
Appendix D Stormwater Management Calculations

Drainage Area and Release Rate Summary - Pond 1

Picton Airport - Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.B.

Weighted Impervious

Catchment ID	Total Area	Imperviousness ¹	Impervious Area
	(ha)	(%)	(ha)
201	19.50	62%	12.13

¹ Refer to **Appendix E** for weighted impervious area calculations

Allowable Release Rate to Marsh Creek

Storm Event	4 Hour Chicago	6 Hour SCS	12 Hour SCS	24 Hour SCS
	(m ³ /s)	(m ³ /s)	(m ³ /s)	(m ³ /s)
2 Year	0.038	0.053	0.076	0.106
5 Year	0.068	0.100	0.137	0.187
10 Year	0.094	0.136	0.184	0.248
25 Year	0.133	0.189	0.253	0.335
50 Year	0.165	0.233	0.310	0.406
100 Year	0.199	0.280	0.369	0.480

*Per Pre-development VO Hydrology Modelling in **Appendix E**.

Controlled Release Rates to Marsh Creek

Storm Event	4 Hour Chicago	6 Hour SCS	12 Hour SCS	24 Hour SCS
	(m ³ /s)	(m ³ /s)	(m ³ /s)	(m ³ /s)
2 Year	0.038	0.049	0.066	0.087
5 Year	0.068	0.087	0.119	0.159
10 Year	0.093	0.121	0.160	0.216
25 Year	0.133	0.169	0.225	0.289
50 Year	0.163	0.212	0.272	0.345
100 Year	0.198	0.251	0.319	0.401

*Per Post-development VO Hydrology Modelling in **Appendix E**.

Comparison of Controlled Flows to Allowable

Storm Event	4 Hour Chicago	6 Hour SCS	12 Hour SCS	24 Hour SCS
	(m ³ /s)	(m ³ /s)	(m ³ /s)	(m ³ /s)
2 Year	0.000	-0.004	-0.010	-0.019
5 Year	0.000	-0.013	-0.018	-0.028
10 Year	-0.001	-0.015	-0.024	-0.032
25 Year	0.000	-0.020	-0.028	-0.046
50 Year	-0.002	-0.021	-0.038	-0.061
100 Year	-0.001	-0.029	-0.050	-0.079

The comparison of the total post-development controlled peak flow to Marsh Creek to the pre-development values show the proposed stormwater management strategy meets quantity control criteria.

Permanent Pool and Extended Detention Sizing - Pond 1

Picton Airport - Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.B.

PERMANENT POOL

Level of Protection = Enhanced (Level 1)

Weighted Impervious = 62 %

Drainage Area = 19.50 ha

SWMP Type = 2. Wetlands

Required Permanent Pool (including 40m³/ha for extended detention)= 112.2 m³/ha

Required Permanent Pool (minus 40m³/ha for extended detention)= 72 m³/ha

Required Permanent Pool = 1408 m³

TABLE 3.2 - WATER QUALITY STORAGE REQUIREMENTS
(FROM MECP SWM PLANNING AND DESIGN MANUAL - 2003)

Protection Level	SWMP Type	Storage Volume (m ³ /ha) for Impervious Level			
		35%	55%	70%	85%
Enhanced (Level 1)	1. Infiltration	25	30	35	40
	2. Wetlands	80	105	120	140
	3. Hybrid Wet Pond/Wetland	110	150	175	195
	4. Wet Pond	140	190	225	250
Normal (Level 2)	1. Infiltration	20	20	25	30
	2. Wetlands	60	70	80	90
	3. Hybrid Wet Pond/Wetland	75	90	105	120
	4. Wet Pond	90	110	130	150
Basic (Level 3)	1. Infiltration	20	20	20	20
	2. Wetlands	60	60	60	60
	3. Hybrid Wet Pond/Wetland	60	70	75	80
	4. Wet Pond	60	75	85	95
	5. Dry Pond (Continuous Flow)	90	150	200	240

EXTENDED DETENTION

Using the 25mm - 4 hour Chicago Storm

Erosion Control Volume (V) = Runoff Depth (mm) x Drainage Area (ha) x 10 (m³) / (mm)(ha)

Erosion Control Volume (V) = 12.36 mm x 19.50 ha x 10 m³ / mm·ha

Erosion Control Volume (V) = 2410 m³

Using 40m³/ha

Extended Detention Volume (V) = 40m³/ha x Drainage Area (ha)

Extended Detention Volume (V) = 40 m³/ha 19.50 ha

Extended Detention Volume (V) = 780 m³

Governing Volume (V) = 2410 m³

9600

Stage Storage - Pond 1

Picton Airport - Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.B.

Elevation (m)	Area (m ²)	Area (m ²)	H (m)	Vol (m ³)	Volume (m ³)	Storage (m ³)	Depth (m)
139	580				0		0
		1710	0.7	1197			
139.7	2840				1197		0.7
		3450	0.3	1035			
140	4060				2232	0	1
		4678	0.6	2806			
140.6	5295				5038	2806	1.6
		6043	1.4	8460			
142.00	6790				13498	11266	3
		6955	0.3	2087			
142.30	7120				15585	13353	3.3

N.W.L.

Permanent Pool Volume Required = 1408 m³
Permanent Pool Volume Provided = 2232 m³

Extended Detention volume required = 2410 m³
Extended Detention waterlevel = 140.52 m

2 year control volume required = 4291 m³
2 year control waterlevel = 140.85 m
2 year active fluctuation = 1.45 m

*24-hr SCS storm utilized per highest storage requirements.

5 year control volume required = 5646 m³
5 year control waterlevel = 141.07 m
5 year active fluctuation = 1.23 m

*24-hr SCS storm utilized per highest storage requirements.

10 year control volume required = 6536 m³
10 year control waterlevel = 141.22 m
10 year active fluctuation = 1.08 m

*24-hr SCS storm utilized per highest storage requirements.

25 year control volume required = 7748 m³
25 year control waterlevel = 141.42 m
25 year active fluctuation = 0.88 m

*24-hr SCS storm utilized per highest storage requirements.

50 year control volume required = 8676 m³
50 year control waterlevel = 141.57 m
50 year active fluctuation = 0.73 m

*24-hr SCS storm utilized per highest storage requirements.

100 year control volume required = 9600 m³
100 year waterlevel = 141.72 m
Freeboard = 0.58 m

*24-hr SCS storm utilized per highest storage requirements.

Weighted Impervious Calculation

Catchment ID	Total Area	Imperviousness ¹	Impervious Area
	(ha)	(%)	(ha)
203	17.16	42%	0.07
EXT-1	1.18	22%	0.26
Total	18.34	41%	0.33

¹ Refer to **Appendix E** for weighted impervious area calculations

Allowable Release Rate to East Lake

Storm Event	4 Hour Chicago	6 Hour SCS	12 Hour SCS	24 Hour SCS
	(m ³ /s)	(m ³ /s)	(m ³ /s)	(m ³ /s)
2 Year	0.154	0.267	0.401	0.588
5 Year	0.304	0.496	0.720	1.020
10 Year	0.426	0.676	0.962	1.339
25 Year	0.608	0.939	1.313	1.798
50 Year	0.760	1.156	1.598	2.167
100 Year	0.922	1.383	1.894	2.548

*Per Pre-development VO Hydrology Modelling in **Appendix E**.

Controlled Release Rates to East Lake

Storm Event	4 Hour Chicago	6 Hour SCS	12 Hour SCS	24 Hour SCS
	(m ³ /s)	(m ³ /s)	(m ³ /s)	(m ³ /s)
2 Year	0.152	0.249	0.364	0.549
5 Year	0.282	0.446	0.667	0.949
10 Year	0.386	0.626	0.877	1.252
25 Year	0.567	0.854	1.200	1.681
50 Year	0.708	1.051	1.459	2.023
100 Year	0.855	1.261	1.727	2.374

*Per Post-development VO Hydrology Modelling in **Appendix E**.

Comparison of Controlled Flows to Allowable

Storm Event	4 Hour Chicago	6 Hour SCS	12 Hour SCS	24 Hour SCS
	(m ³ /s)	(m ³ /s)	(m ³ /s)	(m ³ /s)
2 Year	-0.002	-0.018	-0.037	-0.039
5 Year	-0.022	-0.050	-0.053	-0.071
10 Year	-0.040	-0.050	-0.085	-0.087
25 Year	-0.041	-0.085	-0.113	-0.117
50 Year	-0.052	-0.105	-0.139	-0.144
100 Year	-0.067	-0.122	-0.167	-0.174

The comparison of the total post-development controlled peak flow to Marsh Creek to the pre-development values show the proposed stormwater management strategy meets quantity control criteria.

Permanent Pool and Extended Detention Sizing - Pond 2

Picton Airport - Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.R.B.

PERMANENT POOL

Level of Protection = **Enhanced** (Level 1)

Weighted Impervious = 41 %

Drainage Area = 18.34 ha

SWMP Type = **2. Wetlands**

Required Permanent Pool (including 40m³/ha for extended detention)= 87.4 m³/ha
Required Permanent Pool (minus 40m³/ha for extended detention)= 47 m³/ha

Required Permanent Pool =	869 m³

**TABLE 3.2 - WATER QUALITY STORAGE REQUIREMENTS
(FROM MECP SWM PLANNING AND DESIGN MANUAL - 2003)**

Protection Level	SWMP Type	Storage Volume (m ³ /ha) for Impervious Level			
		35%	55%	70%	85%
Enhanced (Level 1)	1. Infiltration	25	30	35	40
	2. Wetlands	80	105	120	140
	3. Hybrid Wet Pond/Wetland	110	150	175	195
	4. Wet Pond	140	190	225	250
Normal (Level 2)	1. Infiltration	20	20	25	30
	2. Wetlands	60	70	80	90
	3. Hybrid Wet Pond/Wetland	75	90	105	120
	4. Wet Pond	90	110	130	150
Basic (Level 3)	1. Infiltration	20	20	20	20
	2. Wetlands	60	60	60	60
	3. Hybrid Wet Pond/Wetland	60	70	75	80
	4. Wet Pond	60	75	85	95
	5. Dry Pond (Continuous Flow)	90	150	200	240

EXTENDED DETENTION

Using the 25mm - 4 hour Chicago Storm

Erosion Control Volume (V) = Runoff Depth (mm) x Drainage Area (ha) x 10 (r

Erosion Control Volume (V) = **8.29** mm x 18.34 ha x 10 m³

Erosion Control Volume (V) = 1520 m³

Using 40m³/ha

Extended Detention Volume (V) = 40m³/ha x Drainage Area (ha)

Extended Detention Volume (V) = 40 m³/ha 18.34 ha

Extended Detention Volume (V) = 734 m³

Governing Volume (V) =	1520

Elevation (m)	Area (m ²)	Area (m ²)	H (m)	Vol (m ³)	Volume (m ³)	Storage (m ³)	Depth (m)
139.75	740				0		0
		1520	0.7	1064			
140.45	2300				1064		0.7
		2893	0.3	868			
140.75	3485				1932	0	1
		4188	0.6	2512			
141.35	4890				4444	2512	1.6
		5820	1.4	8148			
142.75	6750				12592	10661	3
		6955	0.3	2087			
143.05	7160				14679	12747	3.3

N.W.L.

Permanent Pool Volume Required = 869 m³
Permanent Pool Volume Provided = 1932 m³

Extended Detention volume required = 1520 m³
Extended Detention waterlevel = 141.11 m

2 year control volume required = 948 m³
2 year control waterlevel = 141.08 m
2 year active fluctuation = 1.97 m

*24-hr SCS storm utilized per highest storage requirements.

5 year control volume required = 3985 m³
5 year control waterlevel = 141.60 m
5 year active fluctuation = 1.45 m

*24-hr SCS storm utilized per highest storage requirements.

10 year control volume required = 4687 m³
10 year control waterlevel = 141.72 m
10 year active fluctuation = 1.33 m

*24-hr SCS storm utilized per highest storage requirements.

25 year control volume required = 5673 m³
25 year control waterlevel = 141.89 m
25 year active fluctuation = 1.16 m

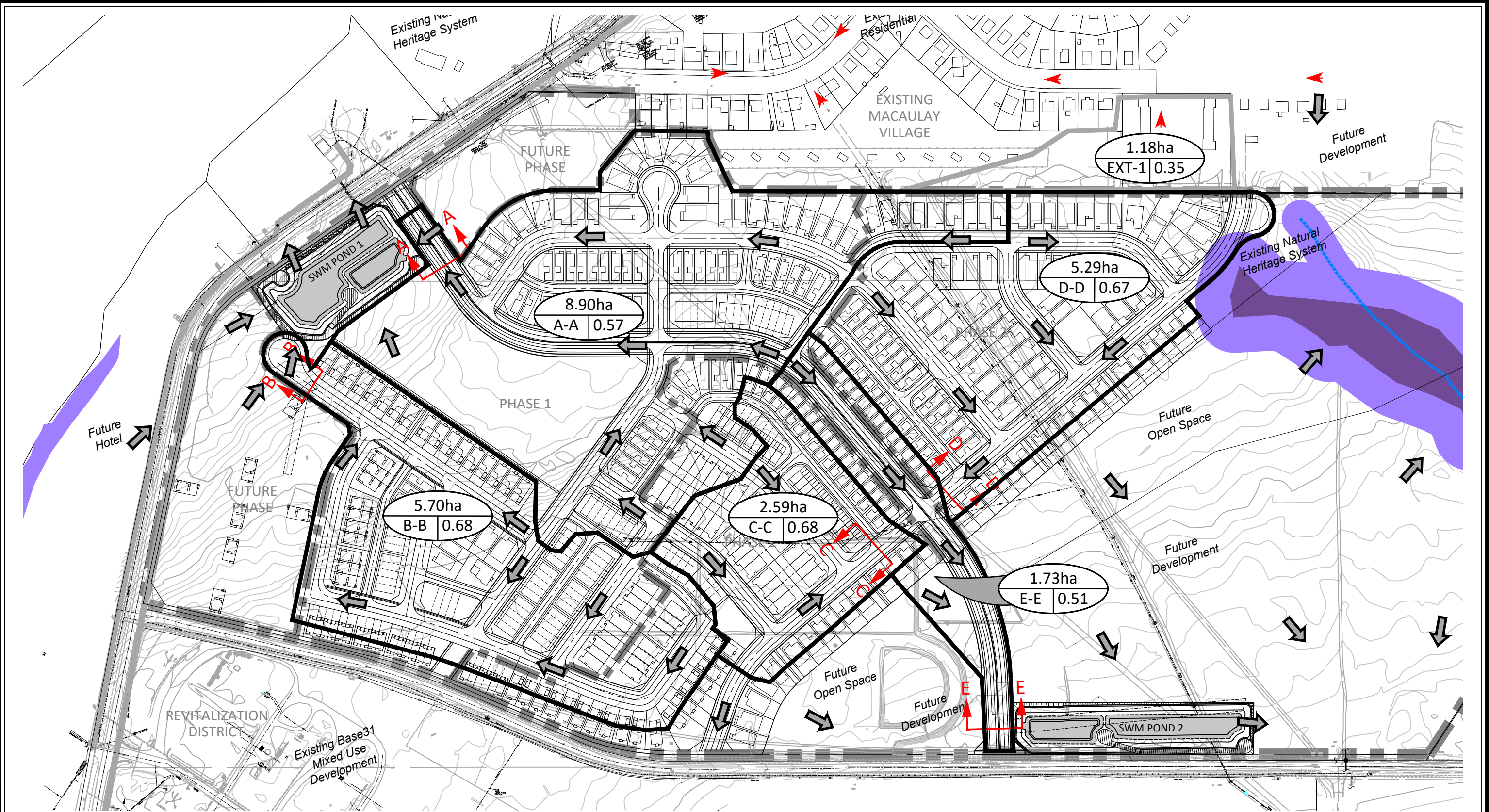
*24-hr SCS storm utilized per highest storage requirements.

50 year control volume required = 6440 m³
50 year control waterlevel = 142.02 m
50 year active fluctuation = 1.03 m

*24-hr SCS storm utilized per highest storage requirements.

100 year control volume required = 7209 m³
100 year waterlevel = 142.16 m
Freeboard = 0.89 m

*24-hr SCS storm utilized per highest storage requirements.



*NOTE: LAYOUT IS SCHEMATIC ONLY, DETAILS TO BE PROVIDED AT DETAILED DESIGN STAGE.

 30 CENTURIAN DRIVE, SUITE 100 MARKHAM, ONTARIO L3R 8B8 TEL: (905) 475-1900 FAX: (905) 475-8335	LEGEND: A A CROSS SECTION 5.42ha 208A 0.22 DRAINAGE AREA (HECTARES) RUNOFF COEFFICIENT CATCHMENT ID LIMIT OF DEVELOPMENT PROPOSED OVERLAND FLOW BOUNDARY LIMIT OF PHASE	PICTON AIRPORT - PRINCE EDWARD COUNTY COMMUNITY PARTNERS INC. DESIGNED BY: R.B. CHECKED BY: A.R.K. SCALE: 1:3000 DATE: AUGUST 2025	OVERLAND FLOW ROUTE DRAINAGE PLAN PROJECT No: 2365A FIGURE No: D.1

A-A		100 Year Return Period Factor =		1.25
	Runoff Coefficient	Area (ha)	Weighted Runoff Coefficient (5 Year)	Weighted Runoff Coefficient (100 Year)
A-A	0.57	8.90	0.57	0.72
TOTAL		8.90	0.57	0.72

A-A	Return Period	
	5 Year	
Area (ha)=	8.90	
Runoff Coeff. =	0.57	
T _c (min)=	15.00	
a =	26.4	
b =	0.00	
c =	0.677	
Intensity (mm/hr) =	67.48	
Runoff (m³/s) =	0.957	

A-A	Return Period	
	100 Year	
Area (ha)=	8.90	
Runoff Coeff. =	0.72	
T _c (min)=	15.00	
a =	43	
b =	0.0	
c =	0.678	
Intensity (mm/hr) =	110.07	
Runoff (m³/s) =	1.951	

*IDF parameters per 2012 City of Belleville Standards

5 Year Flow (A-A)

$$Q_{5yr} \text{ (m}^3\text{/s)} = 0.957$$

100 Year Flow(A-A)

$$Q_{100yr} \text{ (m}^3\text{/s)} = 1.951$$

Required Conveyance Capacity

$$Q_{100-5yr} \text{ (m}^3\text{/s)} = 0.994$$

B-B		100 Year Return Period Factor = 1.25		
	Runoff Coefficient	Area (ha)	Weighted Runoff Coefficient (5 Year)	Weighted Runoff Coefficient (100 Year)
B-B	0.68	5.70	0.68	0.86
TOTAL		5.70	0.68	0.86

B-B	Return Period	
	5 Year	
Area (ha)=	5.70	
Runoff Coeff. =	0.68	
T _c (min)=	15.00	
a =	26.4	
b =	0.00	
c =	0.677	
Intensity (mm/hr) =	67.48	
Runoff (m³/s) =	0.731	

B-B	Return Period	
	100 Year	
Area (ha)=	5.70	
Runoff Coeff. =	0.86	
T _c (min)=	15.00	
a =	43	
b =	0.0	
c =	0.678	
Intensity (mm/hr) =	110.07	
Runoff (m³/s) =	1.491	

*IDF parameters per 2012 City of Belleville Standards

5 Year Flow (B-B)

$$Q_{5yr} \text{ (m}^3\text{/s)} = 0.731$$

100 Year Flow(B-B)

$$Q_{100yr} \text{ (m}^3\text{/s)} = 1.491$$

Required Conveyance Capacity

$$Q_{100-5yr} \text{ (m}^3\text{/s)} = 0.759$$

C-C		100 Year Return Period Factor = 1.25		
	Runoff Coefficient	Area (ha)	Weighted Runoff Coefficient (5 Year)	Weighted Runoff Coefficient (100 Year)
C-C	0.69	2.59	0.69	0.86
TOTAL		2.59	0.69	0.86

C-C	Return Period	
	5 Year	
Area (ha)=	2.59	
Runoff Coeff. =	0.69	
T _c (min)=	15.00	
a =	26.4	
b =	0.00	
c =	0.677	
Intensity (mm/hr) =	67.48	
Runoff (m ³ /s) =	0.334	

C-C	Return Period	
	100 Year	
Area (ha)=	2.59	
Runoff Coeff. =	0.86	
T _c (min)=	15.00	
a =	43	
b =	0.0	
c =	0.678	
Intensity (mm/hr) =	110.07	
Runoff (m ³ /s) =	0.681	

*IDF parameters per 2012 City of Belleville Standards

5 Year Flow (C-C)

$$Q_{5yr} \text{ (m}^3\text{/s)} = 0.334$$

100 Year Flow(C-C)

$$Q_{100yr} \text{ (m}^3\text{/s)} = 0.681$$

Required Conveyance Capacity

$$Q_{100-5yr} \text{ (m}^3\text{/s)} = 0.347$$

D-D		100 Year Return Period Factor = 1.25	
	Runoff Coefficient	Area (ha)	Weighted Runoff Coefficient (5 Year)
D-D	0.71	5.29	0.71
TOTAL		5.29	0.71
			Weighted Runoff Coefficient (100 Year)
			0.89

D-D	Return Period
	5 Year
Area (ha)=	5.29
Runoff Coeff. =	0.71
T _c (min)=	15.00
a =	26.4
b =	0.00
c =	0.677
Intensity (mm/hr) =	67.48
Runoff (m ³ /s) =	0.703

D-D	Return Period
	100 Year
Area (ha)=	5.29
Runoff Coeff. =	0.89
T _c (min)=	15.00
a =	43
b =	0.0
c =	0.678
Intensity (mm/hr) =	110.07
Runoff (m ³ /s) =	1.432

*IDF parameters per 2012 City of Belleville Standards

5 Year Flow (D-D)

$$Q_{5yr} \text{ (m}^3\text{/s)} = 0.703$$

100 Year Flow(D-D)

$$Q_{100yr} \text{ (m}^3\text{/s)} = 1.432$$

Required Conveyance Capacity

$$Q_{100-5yr} \text{ (m}^3\text{/s)} = 0.730$$

E-E		100 Year Return Period Factor = 1.25		
	Runoff Coefficient	Area (ha)	Weighted Runoff Coefficient (5 Year)	Weighted Runoff Coefficient (100 Year)
C-C	0.69	2.59	0.19	0.23
D-D	0.71	5.29	0.39	0.49
E-E	0.59	1.73	0.11	0.13
TOTAL		9.61	0.68	0.85

E-E	Return Period	
	5 Year	
Area (ha)=	9.61	
Runoff Coeff. =	0.68	
T _c (min)=	15.00	
a =	26.4	
b =	0.00	
c =	0.677	
Intensity (mm/hr) =	67.48	
Runoff (m ³ /s) =	1.226	

E-E	Return Period	
	100 Year	
Area (ha)=	9.61	
Runoff Coeff. =	0.85	
T _c (min)=	15.00	
a =	43	
b =	0.0	
c =	0.678	
Intensity (mm/hr) =	110.07	
Runoff (m ³ /s) =	2.501	

*Area and Runoff coefficient per **Figure 5.2**

*IDF parameters per 2012 City of Belleville Standards

5 Year Flow (E-E)

$$Q_{5yr} \text{ (m}^3\text{/s)} = 1.226$$

100 Year Flow(E-E)

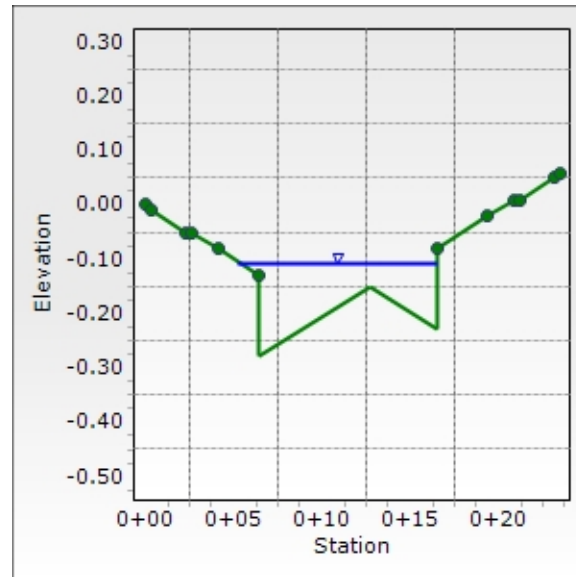
$$Q_{100yr} \text{ (m}^3\text{/s)} = 2.501$$

Required Conveyance Capacity

$$Q_{100-5yr} \text{ (m}^3\text{/s)} = 1.274$$

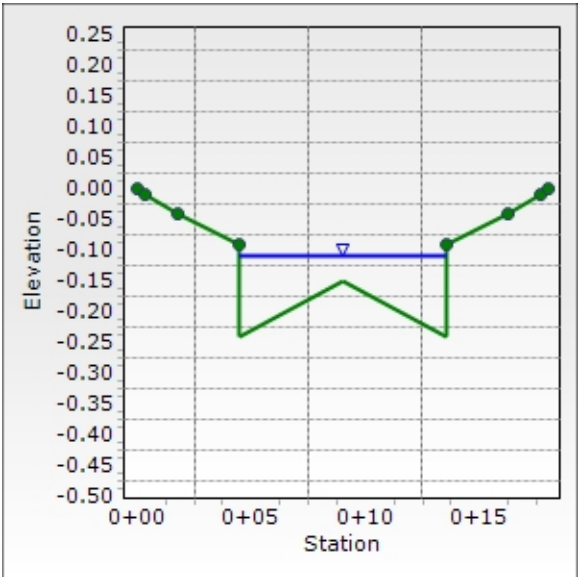
Cross Section for A-A 23.5 m ROW

Project Description	
Friction Method	Manning
Solve For	Formula
	Normal Depth
Input Data	
Channel Slope	0.500 %
Normal Depth	172.9 mm
Discharge	0.99 m ³ /s



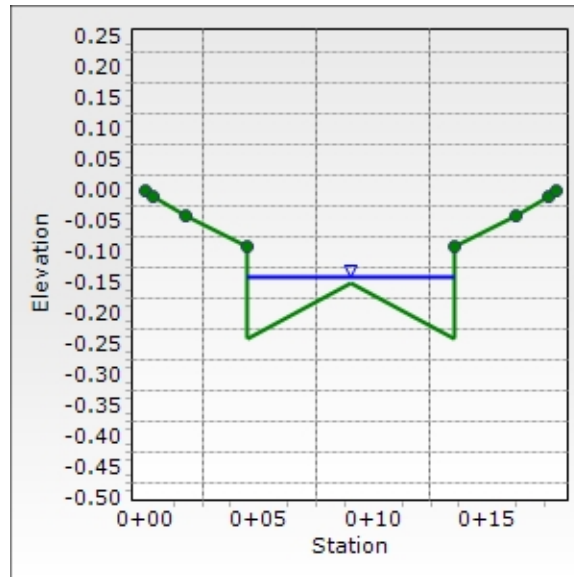
Cross Section B-B for 18.0m ROW @ 0.50%

Project Description	
Friction Method	Manning
	Formula
Solve For	Normal Depth
Input Data	
Channel Slope	0.500 %
Normal Depth	128.0 mm
Discharge	0.76 m ³ /s



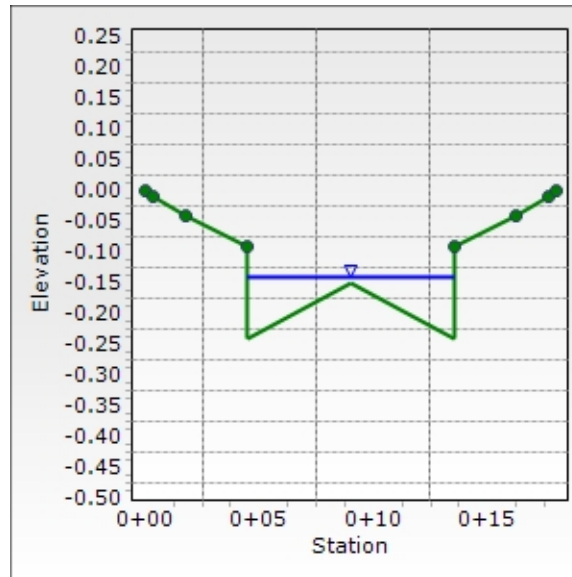
Cross Section for B-B 18.0m ROW @ 2.0%

Project Description	
Friction Method	Manning
Solve For	Formula
	Normal Depth
Input Data	
Channel Slope	2.000 %
Normal Depth	99.6 mm
Discharge	0.76 m ³ /s



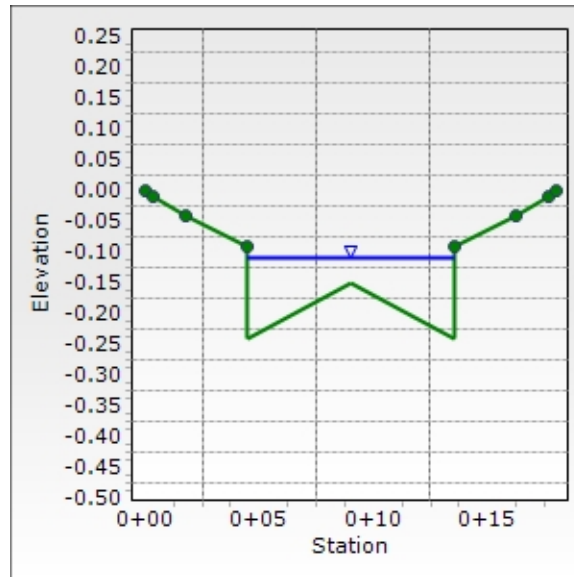
Cross Section for C-C 18.0m ROW @ 0.50%

Project Description	
Friction Method	Manning
	Formula
Solve For	Normal Depth
Input Data	
Channel Slope	0.500 %
Normal Depth	96.7 mm
Discharge	0.35 m ³ /s



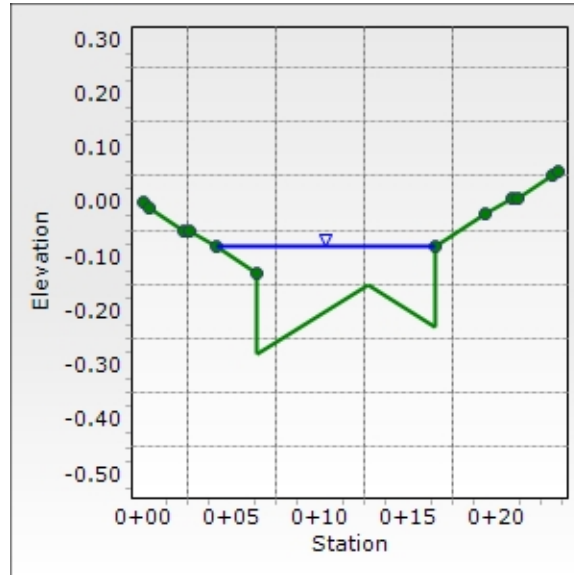
Cross Section for D-D 18.0m ROW

Project Description	
Friction Method	Manning
Solve For	Formula
	Normal Depth
Input Data	
Channel Slope	0.500 %
Normal Depth	126.1 mm
Discharge	0.73 m ³ /s



Cross Section for E-E 23.5 m ROW

Project Description	
Friction Method	Manning
Solve For	Formula
	Normal Depth
Input Data	
Channel Slope	0.500 %
Normal Depth	195.8 mm
Discharge	1.27 m ³ /s



Appendix E Hydrologic Modelling

The following secure link is being provided by SCS Consulting Group Ltd. to share the hydrologic modelling files related to the Functional Servicing and Stormwater Management Report for Phase 1 and 2 of Village A:

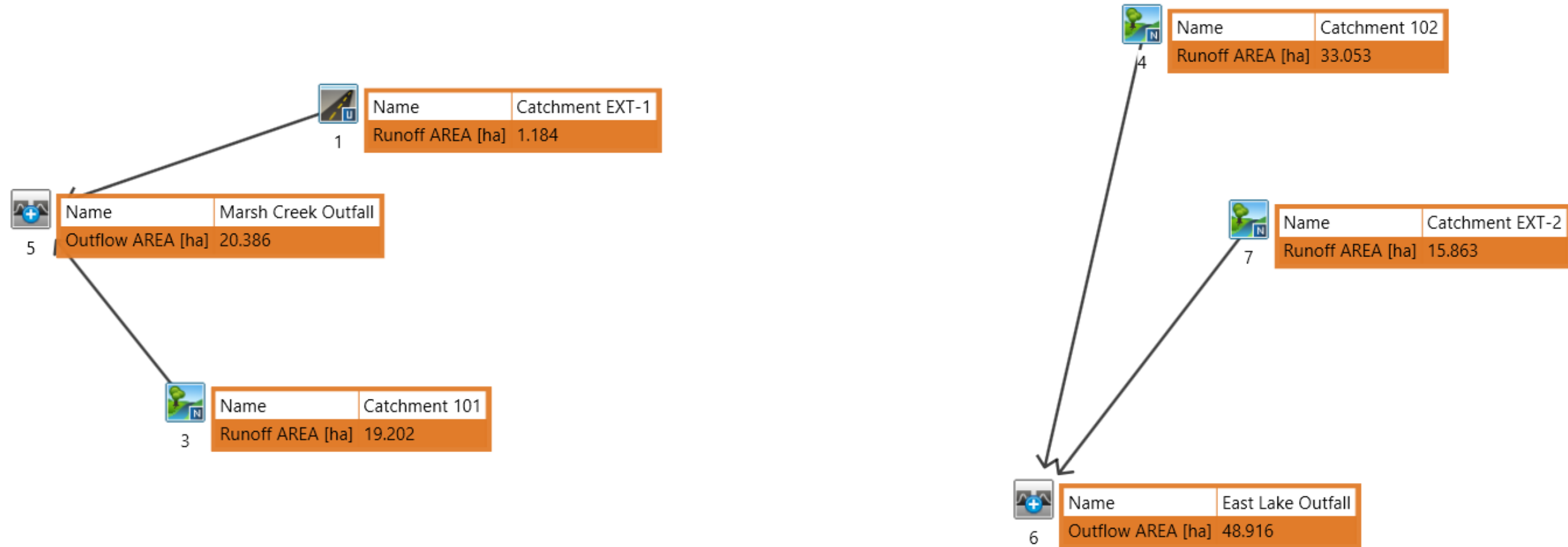
<https://filesafecloud.scsconsultinggroup.com/url/bxb3zirisfunsem>

Please click on the link and download all files from this location.

Hydrology Model – Visual Otthymo



Existing Conditions Visual OTTHYMO Model Schematic



Existing Conditions VO Parameter Summary

Picton Airport Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.B.

NASHYD

Number	102	101	EXT-2
Description			
DT(min)	1	1	1
Area (ha)	33.05	19.2	15.86
CN*	7.2	55.0	62.0
IA(mm)	10.0	9.1	4.6
TP Method	Uplands	Uplands	Uplands
TP (hr)	0.64	1.32	0.40

STANDHYD

Number	EXT-1
Description	
DT(min)	1
Area (ha)	1.18
TIMP ²	0.22
XIMP ^{1,2}	0.22
CN*	54.0
IA(mm)	5.0
SLPP(%)	2
LGP(m)	40
MNP	0.25
DPSI (mm)	2.0
SLPI(%)	1
LGI(m)	88.84
MNI	0.013

¹Note that where there is NO directly connected area (ie: roof runoff to grassed areas), the hydrology program does not accept XIMP=0%, therefore, XIMP = 1% has been used

²Note that where there is NO pervious area, the hydrology program does not accept TIMP and XIMP=100%, therefore, TIMP and XIMP = 99% has been used

Total Area = 69.3 ha

Existing Conditions CN Calculations

Picton Airport Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.B.

Site Soils: (per Prince Edward County Soils Mapping)

Soil Type
33.05 19.2 15.86

Hydrologic Soil Group
B

TABLE OF CURVE NUMBERS (CN's)**									
Land Use	Hydrologic Soil Type								Source
	A	AB	B	BC	C	CD	D	Manning's 'n'	
Meadow "Good"	30	44	58	64.5	71	74.5	78	0.40	MTO
Woodlot "Fair"	36	48	60	66.5	73	76	79	0.40	MTO
Gravel	76	80.5	85	87	89	90	91	0.30	USDA
Lawns "Good"	39	50	61	67.5	74	77	80	0.25	USDA
Pasture/Range	58	61.5	65	70.5	76	78.5	81	0.17	MTO
Crop	66	70	74	78	82	84	86	0.13	MTO
Fallow (Bare)	77	82	86	89	91	93	94	0.05	MTO
Low Density Residences	57	64.5	72	76.5	81	83.5	86	0.25	USDA
Streets, paved	98	98	98	98	98	98	98	0.01	USDA

1. MTO Drainage Manual (1997), Design Chart 1.09-Soil/Land Use Curve Numbers

2. USDA (1986), Urban Hydrology for Small Watersheds, Table 2.2-Runoff Curve Numbers for Urban Areas

HYDROLOGIC SOIL TYPE (%) - Existing Conditions								
Catchment	Hydrologic Soil Type							TOTAL
	A	AB	B	BC	C	CD	D	
102	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100
101	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100
EXT-1	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100
EXT-2	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100

HYDROLOGIC SOIL TYPE (%) - Existing Conditions								
Catchment	Hydrologic Soil Type							TOTAL
	A	AB	B	BC	C	CD	D	
102			100					100
101			100					100
EXT-1			100					100
EXT-2			100					100

LAND USE (%) - Existing Conditions										
Catchment	Meadow	Woodlot	Gravel	Lawns	Pasture Range	Crop	Fallow (Bare)	Low Density Residences	Impervious	Total
102	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
101	43.3	56.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
EXT-1	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0
EXT-2	0.0	0.0	0.0	88.0	0.0	0.0	0.0	0.0	12.0	100.0

Note: Where STANDHYD command used (shaded), impervious fraction is not considered in CN determination, since %Imp directly input in STANDHYD command

LAND USE (%) - Existing Conditions										
Catchment	Meadow	Woodlot	Gravel	Lawns	Pasture Range	Crop	Fallow (Bare)	Low Density Residences	Impervious	Total
102		100.0								100.0
101	43.3	56.7								100.0
EXT-1				100.0						100.0
EXT-2				88.0					12.0	100.0

Note: Where STANDHYD command used (shaded), impervious fraction is not considered in CN determination, since %Imp directly input in STANDHYD command

CURVE NUMBER (CN) - Existing Conditions										
Catchment	Meadow	Woodlot	Gravel	Lawns	Pasture Range	Crop	Fallow (Bare)	Low Density Residences	Impervious	Weighted CN
102	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60
101	25.1	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59
EXT-1	0.0	0.0	0.0	61.0	0.0	0.0	0.0	0.0	0.0	61
EXT-2	0.0	0.0	0.0	53.7	0.0	0.0	0.0	0.0	11.7	65

** AMC II assumed

Existing Conditions CN Calculations

Picton Airport Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.B.

Input Values						
Step						
1	CN (AMC II):	60		101 59	EXT-1 61	EXT-2 65
2	33.05	19	15.86	77	78	82
3	100 Year Precipitation, P =	119.65	mm	119.65	119.65	119.65

$$Q = \frac{(P - I_a)^2}{(P - I_a) + S}$$

$$S = \frac{(P - I_a)^2}{Q} - (P - I_a)$$

Q = rainfall excess or runoff, mm

S = potential maximum retention or available storage, mm

$$CN = \frac{25400}{S + 254}$$

$$S = \frac{25400}{CN} - 254$$

CN* = modified SCS curve # that better reflects Ia conditions in Ontario

Output Values						
	Subcatchment:	0		101	EXT-1	EXT-2
	S _{III} =	1068.92	mm	75.87	71.64	55.76
	SCS Assumption of 0.2 S = Ia =	213.78	mm	15.17	14.33	11.15
4	Q _{III} =	9.09	mm	60.52	62.68	71.67
	Preferred Initial Abstraction, Ia =	10.0	mm	9.1	5.0	4.6
5	S* _{III} =	1212.98	mm	91.28	95.05	69.55
6	CN* _{III} =	17.31	mm	73.56	72.77	78.50
	CN* _{III} =	17	Rounded	74	73	79
7	CN* _{II} =	7	convert	55	54	62

Explanation of Procedure

- 1 Determine CN based on typical AMC II conditions (attached)
- 2 Convert CN from AMC II to AMC III conditions (standard SCS tables)
- 3 Get precipitation depth P for 100 year storm
- 4 Using CN_{III} with Ia = 0.2S, compute Q_{III} for 100 year precipitation
- 5 For the same Q_{III}, compute S*_{III} using Ia=1.5mm (or otherwise determined)
- 6 Compute CN*_{III} using S*_{III}
- 7 Calculate CN*_{II} using SCS conversion table

Existing Conditions IA Calculations

Picton Airport Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.B.

LAND USE (%) - Existing Conditions										
Catchment	Meadow 33.05	Woodlot 19.2	Gravel 15.86	Lawns	Pasture Range	Crop	Fallow (Bare)	Low Density Residences	Impervious	Total
102		100.0								100.0
101	43.3	56.7								100.0
EXT-1				100.0						100.0
EXT-2				88.0					12.0	100.0

IA VALUES (mm) - Existing Conditions										
Catchment	Meadow	Woodlot	Gravel	Lawns	Pasture Range	Crop	Fallow (Bare)	Low Density Residences	Impervious	Total
IA (mm)	8	10	2	5	8	8	3	2	2	
102		10.0								10.0
101	3.5	5.7								9.1
EXT-1				5.0						5.0
EXT-2				4.4					0.2	4.6

* IA values based on LSRCA guidelines

Existing Conditions Time to Peak Calculations

Picton Airport Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.B.

Uplands Method:

Catchment ID	High Elevation	Low Elevation	Length (m)	Slope (%)	Land Cover Type	Velocity (m/s)	Time of Concentration (s)	Time of Concentration (hr)	Time to Peak (hr)
102a	148.09	145.68	249	0.97	Woodland	0.15	1674.4	0.47	0.31
102b	145.68	142.75	277	1.06	Woodland	0.16	1781.4	0.49	0.33
102									0.64
101a	148.18	145.39	261	1.07	Woodland	0.16	1669.4	0.46	0.31
101b	145.39	144.80	248	0.24	Woodland	0.07	3366.4	0.94	0.63
101c	144.80	144.55	101	0.25	Woodland	0.08	1317.3	0.37	0.25
101d	144.55	140.55	169	2.36	Woodland	0.23	728.8	0.20	0.14
101									1.32
EXT-2a	152.70	150.25	311	0.79	Pasture	0.19	1614.9	0.45	0.30
EXT-2b	150.25	148.87	98	1.41	Woodland	0.18	544.2	0.15	0.10
EXT-2									0.40

Refer to Figure 3.1

Existing Conditions Percent Impervious Calculations

Picton Airport Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.B.

Catchment Area (ha)			EXT-1	
			1.184	
Land Use Areas	33.05	19.2	15.86	Total
Open Space	0%	0%	0.90	0.897
Asphalt	90%	90%	0.176	0.176
Rooftop	90%	90%	0.111	0.111
Total Land Use =			1.18	1.18
Timp =			22%	22%
Ximp =			22%	22%

Percent Impervious (Timp) Calculations per Figure 5.1.

 ** SIMULATION:1.1 Chicago 4hr 2yr **

Existing Conditions VO Outputs - Marsh Creek

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-----
| CHICAGO STORM      |   IDF curve parameters: A= 324.567
| Ptotal= 31.70 mm  |   B=    0.000
|                   |   C=    0.677
|                   |   used in:  INTENSITY = A / (t + B)^C
|                   |
|                   |   Duration of storm = 4.00 hrs
|                   |   Storm time step   = 15.00 min
|                   |   Time to peak ratio = 0.33
  
```

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	3.22	1.00	51.89	2.00	4.86	3.00	3.08
0.25	3.96	1.25	11.92	2.25	4.20	3.25	2.84
0.50	5.36	1.50	7.63	2.50	3.72	3.50	2.65
0.75	9.77	1.75	5.87	2.75	3.36	3.75	2.49

```

-----
| CALIB              |   Area      (ha)= 19.20   Curve Number (CN)= 55.0
| NASHYD ( 0003)    |   Ia        (mm)= 9.10    # of Linear Res.(N)= 3.00
| ID= 1 DT= 1.0 min |   U.H. Tp(hrs)= 1.32
|                   |
  
```

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

```

----- TRANSFORMED HYETOGRAPH -----

```

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	3.22	1.017	51.89	2.017	4.86	3.02	3.08
0.033	3.22	1.033	51.89	2.033	4.86	3.03	3.08
0.050	3.22	1.050	51.89	2.050	4.86	3.05	3.08
0.067	3.22	1.067	51.89	2.067	4.86	3.07	3.08
0.083	3.22	1.083	51.89	2.083	4.86	3.08	3.08
0.100	3.22	1.100	51.89	2.100	4.86	3.10	3.08
0.117	3.22	1.117	51.89	2.117	4.86	3.12	3.08
0.133	3.22	1.133	51.89	2.133	4.86	3.13	3.08
0.150	3.22	1.150	51.89	2.150	4.86	3.15	3.08
0.167	3.22	1.167	51.89	2.167	4.86	3.17	3.08
0.183	3.22	1.183	51.89	2.183	4.86	3.18	3.08
0.200	3.22	1.200	51.89	2.200	4.86	3.20	3.08
0.217	3.22	1.217	51.89	2.217	4.86	3.22	3.08
0.233	3.22	1.233	51.89	2.233	4.86	3.23	3.08
0.250	3.22	1.250	51.89	2.250	4.86	3.25	3.08
0.267	3.96	1.267	11.92	2.267	4.20	3.27	2.84
0.283	3.96	1.283	11.92	2.283	4.20	3.28	2.84
0.300	3.96	1.300	11.92	2.300	4.20	3.30	2.84
0.317	3.96	1.317	11.92	2.317	4.20	3.32	2.84
0.333	3.96	1.333	11.92	2.333	4.20	3.33	2.84
0.350	3.96	1.350	11.92	2.350	4.20	3.35	2.84
0.367	3.96	1.367	11.92	2.367	4.20	3.37	2.84
0.383	3.96	1.383	11.92	2.383	4.20	3.38	2.84
0.400	3.96	1.400	11.92	2.400	4.20	3.40	2.84
0.417	3.96	1.417	11.92	2.417	4.20	3.42	2.84
0.433	3.96	1.433	11.92	2.433	4.20	3.43	2.84
0.450	3.96	1.450	11.92	2.450	4.20	3.45	2.84
0.467	3.96	1.467	11.92	2.467	4.20	3.47	2.84
0.483	3.96	1.483	11.92	2.483	4.20	3.48	2.84
0.500	3.96	1.500	11.92	2.500	4.20	3.50	2.84
0.517	5.36	1.517	7.63	2.517	3.72	3.52	2.65
0.533	5.36	1.533	7.63	2.533	3.72	3.53	2.65
0.550	5.36	1.550	7.63	2.550	3.72	3.55	2.65
0.567	5.36	1.567	7.63	2.567	3.72	3.57	2.65
0.583	5.36	1.583	7.63	2.583	3.72	3.58	2.65
0.600	5.36	1.600	7.63	2.600	3.72	3.60	2.65
0.617	5.36	1.617	7.63	2.617	3.72	3.62	2.65
0.633	5.36	1.633	7.63	2.633	3.72	3.63	2.65
0.650	5.36	1.650	7.63	2.650	3.72	3.65	2.65
0.667	5.36	1.667	7.63	2.667	3.72	3.67	2.65
0.683	5.36	1.683	7.63	2.683	3.72	3.68	2.65
0.700	5.36	1.700	7.63	2.700	3.72	3.70	2.65
0.717	5.36	1.717	7.63	2.717	3.72	3.72	2.65
0.733	5.36	1.733	7.63	2.733	3.72	3.73	2.65
0.750	5.36	1.750	7.63	2.750	3.72	3.75	2.65
0.767	9.77	1.767	5.87	2.767	3.36	3.77	2.49
0.783	9.77	1.783	5.87	2.783	3.36	3.78	2.49
0.800	9.77	1.800	5.87	2.800	3.36	3.80	2.49
0.817	9.77	1.817	5.87	2.817	3.36	3.82	2.49
0.833	9.77	1.833	5.87	2.833	3.36	3.83	2.49

0.850	9.77	1.850	5.87	2.850	3.36	3.85	2.49
0.867	9.77	1.867	5.87	2.867	3.36	3.87	2.49
0.883	9.77	1.883	5.87	2.883	3.36	3.88	2.49
0.900	9.77	1.900	5.87	2.900	3.36	3.90	2.49
0.917	9.77	1.917	5.87	2.917	3.36	3.92	2.49
0.933	9.77	1.933	5.87	2.933	3.36	3.93	2.49
0.950	9.77	1.950	5.87	2.950	3.36	3.95	2.49
0.967	9.77	1.967	5.87	2.967	3.36	3.97	2.49
0.983	9.77	1.983	5.87	2.983	3.36	3.98	2.49
1.000	9.77	2.000	5.87	3.000	3.36	4.00	2.49

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.032 (i)
TIME TO PEAK (hrs)= 3.700
RUNOFF VOLUME (mm)= 2.217
TOTAL RAINFALL (mm)= 31.702
RUNOFF COEFFICIENT = 0.070

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0001)
ID= 1 DT= 1.0 min

Area (ha)= 1.18
Total Imp(%)= 22.00 Dir. Conn.(%)= 22.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.26	0.92
Dep. Storage	(mm)=	2.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	88.84	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	3.22	1.017	51.89	2.017	4.86	3.02	3.08
0.033	3.22	1.033	51.89	2.033	4.86	3.03	3.08
0.050	3.22	1.050	51.89	2.050	4.86	3.05	3.08
0.067	3.22	1.067	51.89	2.067	4.86	3.07	3.08
0.083	3.22	1.083	51.89	2.083	4.86	3.08	3.08
0.100	3.22	1.100	51.89	2.100	4.86	3.10	3.08
0.117	3.22	1.117	51.89	2.117	4.86	3.12	3.08
0.133	3.22	1.133	51.89	2.133	4.86	3.13	3.08
0.150	3.22	1.150	51.89	2.150	4.86	3.15	3.08
0.167	3.22	1.167	51.89	2.167	4.86	3.17	3.08
0.183	3.22	1.183	51.89	2.183	4.86	3.18	3.08
0.200	3.22	1.200	51.89	2.200	4.86	3.20	3.08
0.217	3.22	1.217	51.89	2.217	4.86	3.22	3.08
0.233	3.22	1.233	51.89	2.233	4.86	3.23	3.08
0.250	3.22	1.250	51.89	2.250	4.86	3.25	3.08
0.267	3.96	1.267	11.92	2.267	4.20	3.27	2.84
0.283	3.96	1.283	11.92	2.283	4.20	3.28	2.84
0.300	3.96	1.300	11.92	2.300	4.20	3.30	2.84
0.317	3.96	1.317	11.92	2.317	4.20	3.32	2.84
0.333	3.96	1.333	11.92	2.333	4.20	3.33	2.84
0.350	3.96	1.350	11.92	2.350	4.20	3.35	2.84
0.367	3.96	1.367	11.92	2.367	4.20	3.37	2.84
0.383	3.96	1.383	11.92	2.383	4.20	3.38	2.84
0.400	3.96	1.400	11.92	2.400	4.20	3.40	2.84
0.417	3.96	1.417	11.92	2.417	4.20	3.42	2.84
0.433	3.96	1.433	11.92	2.433	4.20	3.43	2.84
0.450	3.96	1.450	11.92	2.450	4.20	3.45	2.84
0.467	3.96	1.467	11.92	2.467	4.20	3.47	2.84
0.483	3.96	1.483	11.92	2.483	4.20	3.48	2.84
0.500	3.96	1.500	11.92	2.500	4.20	3.50	2.84
0.517	5.36	1.517	7.63	2.517	3.72	3.52	2.65
0.533	5.36	1.533	7.63	2.533	3.72	3.53	2.65
0.550	5.36	1.550	7.63	2.550	3.72	3.55	2.65
0.567	5.36	1.567	7.63	2.567	3.72	3.57	2.65
0.583	5.36	1.583	7.63	2.583	3.72	3.58	2.65
0.600	5.36	1.600	7.63	2.600	3.72	3.60	2.65
0.617	5.36	1.617	7.63	2.617	3.72	3.62	2.65
0.633	5.36	1.633	7.63	2.633	3.72	3.63	2.65
0.650	5.36	1.650	7.63	2.650	3.72	3.65	2.65
0.667	5.36	1.667	7.63	2.667	3.72	3.67	2.65
0.683	5.36	1.683	7.63	2.683	3.72	3.68	2.65
0.700	5.36	1.700	7.63	2.700	3.72	3.70	2.65
0.717	5.36	1.717	7.63	2.717	3.72	3.72	2.65
0.733	5.36	1.733	7.63	2.733	3.72	3.73	2.65

0.750	5.36	1.750	7.63	2.750	3.72	3.75	2.65
0.767	9.77	1.767	5.87	2.767	3.36	3.77	2.49
0.783	9.77	1.783	5.87	2.783	3.36	3.78	2.49
0.800	9.77	1.800	5.87	2.800	3.36	3.80	2.49
0.817	9.77	1.817	5.87	2.817	3.36	3.82	2.49
0.833	9.77	1.833	5.87	2.833	3.36	3.83	2.49
0.850	9.77	1.850	5.87	2.850	3.36	3.85	2.49
0.867	9.77	1.867	5.87	2.867	3.36	3.87	2.49
0.883	9.77	1.883	5.87	2.883	3.36	3.88	2.49
0.900	9.77	1.900	5.87	2.900	3.36	3.90	2.49
0.917	9.77	1.917	5.87	2.917	3.36	3.92	2.49
0.933	9.77	1.933	5.87	2.933	3.36	3.93	2.49
0.950	9.77	1.950	5.87	2.950	3.36	3.95	2.49
0.967	9.77	1.967	5.87	2.967	3.36	3.97	2.49
0.983	9.77	1.983	5.87	2.983	3.36	3.98	2.49
1.000	9.77	2.000	5.87	3.000	3.36	4.00	2.49

Max.Eff.Inten.(mm/hr)= 51.89 2.29
over (min) 5.00 36.00
Storage Coeff. (min)= 3.09 (ii) 35.09 (ii)
Unit Hyd. Tpeak (min)= 5.00 36.00
Unit Hyd. peak (cms)= 0.30 0.03

TOTALS
0.037 (iii)

PEAK FLOW (cms)= 0.04 0.00
TIME TO PEAK (hrs)= 1.25 1.88
RUNOFF VOLUME (mm)= 29.70 2.93 8.80
TOTAL RAINFALL (mm)= 31.70 31.70 31.70
RUNOFF COEFFICIENT = 0.94 0.09 0.28

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)				
1 + 2 = 3				
		AREA	QPEAK	TPEAK
		(ha)	(cms)	(hrs)
				R.V.
				(mm)
ID1= 1 (0001):		1.18	0.037	1.25
+ ID2= 2 (0003):		19.20	0.032	3.70
				2.22
ID = 3 (0005):		20.39	0.038	1.25
				2.60

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:1.2 Chicago 4hr 5yr **

CHICAGO STORM | IDF curve parameters: A= 422.097
Ptotal= 41.23 mm | B= 0.000
C= 0.677
used in: INTENSITY = A / (t + B)^C
Duration of storm = 4.00 hrs
Storm time step = 15.00 min
Time to peak ratio = 0.33

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	4.18	1.00	67.48	2.00	6.32	3.00	4.00
0.25	5.15	1.25	15.50	2.25	5.46	3.25	3.70
0.50	6.97	1.50	9.92	2.50	4.84	3.50	3.45
0.75	12.70	1.75	7.63	2.75	4.37	3.75	3.24

CALIB
NASHYD (0003) | Area (ha)= 19.20 Curve Number (CN)= 55.0
ID= 1 DT= 1.0 min | Ia (mm)= 9.10 # of Linear Res.(N)= 3.00
U.H. Tp(hrs)= 1.32

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	4.18	1.017	67.48	2.017	6.32	3.02	4.00

0.033	4.18	1.033	67.48	2.033	6.32	3.03	4.00
0.050	4.18	1.050	67.48	2.050	6.32	3.05	4.00
0.067	4.18	1.067	67.48	2.067	6.32	3.07	4.00
0.083	4.18	1.083	67.48	2.083	6.32	3.08	4.00
0.100	4.18	1.100	67.48	2.100	6.32	3.10	4.00
0.117	4.18	1.117	67.48	2.117	6.32	3.12	4.00
0.133	4.18	1.133	67.48	2.133	6.32	3.13	4.00
0.150	4.18	1.150	67.48	2.150	6.32	3.15	4.00
0.167	4.18	1.167	67.48	2.167	6.32	3.17	4.00
0.183	4.18	1.183	67.48	2.183	6.32	3.18	4.00
0.200	4.18	1.200	67.48	2.200	6.32	3.20	4.00
0.217	4.18	1.217	67.48	2.217	6.32	3.22	4.00
0.233	4.18	1.233	67.48	2.233	6.32	3.23	4.00
0.250	4.18	1.250	67.48	2.250	6.32	3.25	4.00
0.267	5.15	1.267	15.50	2.267	5.46	3.27	3.70
0.283	5.15	1.283	15.50	2.283	5.46	3.28	3.70
0.300	5.15	1.300	15.50	2.300	5.46	3.30	3.70
0.317	5.15	1.317	15.50	2.317	5.46	3.32	3.70
0.333	5.15	1.333	15.50	2.333	5.46	3.33	3.70
0.350	5.15	1.350	15.50	2.350	5.46	3.35	3.70
0.367	5.15	1.367	15.50	2.367	5.46	3.37	3.70
0.383	5.15	1.383	15.50	2.383	5.46	3.38	3.70
0.400	5.15	1.400	15.50	2.400	5.46	3.40	3.70
0.417	5.15	1.417	15.50	2.417	5.46	3.42	3.70
0.433	5.15	1.433	15.50	2.433	5.46	3.43	3.70
0.450	5.15	1.450	15.50	2.450	5.46	3.45	3.70
0.467	5.15	1.467	15.50	2.467	5.46	3.47	3.70
0.483	5.15	1.483	15.50	2.483	5.46	3.48	3.70
0.500	5.15	1.500	15.50	2.500	5.46	3.50	3.70
0.517	6.97	1.517	9.92	2.517	4.84	3.52	3.45
0.533	6.97	1.533	9.92	2.533	4.84	3.53	3.45
0.550	6.97	1.550	9.92	2.550	4.84	3.55	3.45
0.567	6.97	1.567	9.92	2.567	4.84	3.57	3.45
0.583	6.97	1.583	9.92	2.583	4.84	3.58	3.45
0.600	6.97	1.600	9.92	2.600	4.84	3.60	3.45
0.617	6.97	1.617	9.92	2.617	4.84	3.62	3.45
0.633	6.97	1.633	9.92	2.633	4.84	3.63	3.45
0.650	6.97	1.650	9.92	2.650	4.84	3.65	3.45
0.667	6.97	1.667	9.92	2.667	4.84	3.67	3.45
0.683	6.97	1.683	9.92	2.683	4.84	3.68	3.45
0.700	6.97	1.700	9.92	2.700	4.84	3.70	3.45
0.717	6.97	1.717	9.92	2.717	4.84	3.72	3.45
0.733	6.97	1.733	9.92	2.733	4.84	3.73	3.45
0.750	6.97	1.750	9.92	2.750	4.84	3.75	3.45
0.767	12.70	1.767	7.63	2.767	4.37	3.77	3.24
0.783	12.70	1.783	7.63	2.783	4.37	3.78	3.24
0.800	12.70	1.800	7.63	2.800	4.37	3.80	3.24
0.817	12.70	1.817	7.63	2.817	4.37	3.82	3.24
0.833	12.70	1.833	7.63	2.833	4.37	3.83	3.24
0.850	12.70	1.850	7.63	2.850	4.37	3.85	3.24
0.867	12.70	1.867	7.63	2.867	4.37	3.87	3.24
0.883	12.70	1.883	7.63	2.883	4.37	3.88	3.24
0.900	12.70	1.900	7.63	2.900	4.37	3.90	3.24
0.917	12.70	1.917	7.63	2.917	4.37	3.92	3.24
0.933	12.70	1.933	7.63	2.933	4.37	3.93	3.24
0.950	12.70	1.950	7.63	2.950	4.37	3.95	3.24
0.967	12.70	1.967	7.63	2.967	4.37	3.97	3.24
0.983	12.70	1.983	7.63	2.983	4.37	3.98	3.24
1.000	12.70	2.000	7.63	3.000	4.37	4.00	3.24

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.063 (i)

TIME TO PEAK (hrs)= 3.483

RUNOFF VOLUME (mm)= 4.302

TOTAL RAINFALL (mm)= 41.228

RUNOFF COEFFICIENT = 0.104

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB	Area (ha)= 1.18	
STANDHYD (0001)	Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00
ID= 1 DT= 1.0 min		

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	4.18	1.017	67.48	2.017	6.32	3.02	4.00
0.033	4.18	1.033	67.48	2.033	6.32	3.03	4.00
0.050	4.18	1.050	67.48	2.050	6.32	3.05	4.00
0.067	4.18	1.067	67.48	2.067	6.32	3.07	4.00
0.083	4.18	1.083	67.48	2.083	6.32	3.08	4.00
0.100	4.18	1.100	67.48	2.100	6.32	3.10	4.00
0.117	4.18	1.117	67.48	2.117	6.32	3.12	4.00
0.133	4.18	1.133	67.48	2.133	6.32	3.13	4.00
0.150	4.18	1.150	67.48	2.150	6.32	3.15	4.00
0.167	4.18	1.167	67.48	2.167	6.32	3.17	4.00
0.183	4.18	1.183	67.48	2.183	6.32	3.18	4.00
0.200	4.18	1.200	67.48	2.200	6.32	3.20	4.00
0.217	4.18	1.217	67.48	2.217	6.32	3.22	4.00
0.233	4.18	1.233	67.48	2.233	6.32	3.23	4.00
0.250	4.18	1.250	67.48	2.250	6.32	3.25	4.00
0.267	5.15	1.267	15.50	2.267	5.46	3.27	3.70
0.283	5.15	1.283	15.50	2.283	5.46	3.28	3.70
0.300	5.15	1.300	15.50	2.300	5.46	3.30	3.70
0.317	5.15	1.317	15.50	2.317	5.46	3.32	3.70
0.333	5.15	1.333	15.50	2.333	5.46	3.33	3.70
0.350	5.15	1.350	15.50	2.350	5.46	3.35	3.70
0.367	5.15	1.367	15.50	2.367	5.46	3.37	3.70
0.383	5.15	1.383	15.50	2.383	5.46	3.38	3.70
0.400	5.15	1.400	15.50	2.400	5.46	3.40	3.70
0.417	5.15	1.417	15.50	2.417	5.46	3.42	3.70
0.433	5.15	1.433	15.50	2.433	5.46	3.43	3.70
0.450	5.15	1.450	15.50	2.450	5.46	3.45	3.70
0.467	5.15	1.467	15.50	2.467	5.46	3.47	3.70
0.483	5.15	1.483	15.50	2.483	5.46	3.48	3.70
0.500	5.15	1.500	15.50	2.500	5.46	3.50	3.70
0.517	6.97	1.517	9.92	2.517	4.84	3.52	3.45
0.533	6.97	1.533	9.92	2.533	4.84	3.53	3.45
0.550	6.97	1.550	9.92	2.550	4.84	3.55	3.45
0.567	6.97	1.567	9.92	2.567	4.84	3.57	3.45
0.583	6.97	1.583	9.92	2.583	4.84	3.58	3.45
0.600	6.97	1.600	9.92	2.600	4.84	3.60	3.45
0.617	6.97	1.617	9.92	2.617	4.84	3.62	3.45
0.633	6.97	1.633	9.92	2.633	4.84	3.63	3.45
0.650	6.97	1.650	9.92	2.650	4.84	3.65	3.45
0.667	6.97	1.667	9.92	2.667	4.84	3.67	3.45
0.683	6.97	1.683	9.92	2.683	4.84	3.68	3.45
0.700	6.97	1.700	9.92	2.700	4.84	3.70	3.45
0.717	6.97	1.717	9.92	2.717	4.84	3.72	3.45
0.733	6.97	1.733	9.92	2.733	4.84	3.73	3.45
0.750	6.97	1.750	9.92	2.750	4.84	3.75	3.45
0.767	12.70	1.767	7.63	2.767	4.37	3.77	3.24
0.783	12.70	1.783	7.63	2.783	4.37	3.78	3.24
0.800	12.70	1.800	7.63	2.800	4.37	3.80	3.24
0.817	12.70	1.817	7.63	2.817	4.37	3.82	3.24
0.833	12.70	1.833	7.63	2.833	4.37	3.83	3.24
0.850	12.70	1.850	7.63	2.850	4.37	3.85	3.24
0.867	12.70	1.867	7.63	2.867	4.37	3.87	3.24
0.883	12.70	1.883	7.63	2.883	4.37	3.88	3.24
0.900	12.70	1.900	7.63	2.900	4.37	3.90	3.24
0.917	12.70	1.917	7.63	2.917	4.37	3.92	3.24
0.933	12.70	1.933	7.63	2.933	4.37	3.93	3.24
0.950	12.70	1.950	7.63	2.950	4.37	3.95	3.24
0.967	12.70	1.967	7.63	2.967	4.37	3.97	3.24
0.983	12.70	1.983	7.63	2.983	4.37	3.98	3.24
1.000	12.70	2.000	7.63	3.000	4.37	4.00	3.24

Max.Eff.Inten.(mm/hr)= 67.48 4.83
 over (min) 5.00 27.00
 Storage Coeff. (min)= 2.79 (ii) 26.50 (ii)
 Unit Hyd. Tpeak (min)= 5.00 27.00
 Unit Hyd. peak (cms)= 0.32 0.04

TOTALS

PEAK FLOW (cms)= 0.05 0.01 0.050 (iii)
 TIME TO PEAK (hrs)= 1.25 1.68 1.25
 RUNOFF VOLUME (mm)= 39.23 5.20 12.67
 TOTAL RAINFALL (mm)= 41.23 41.23 41.23
 RUNOFF COEFFICIENT = 0.95 0.13 0.31

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

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-----
| ADD HYD ( 0005) |
| 1 + 2 = 3 |
-----
          AREA      QPEAK      TPEAK      R.V.
          (ha)      (cms)      (hrs)      (mm)
ID1= 1 ( 0001):    1.18    0.050    1.25    12.67
+ ID2= 2 ( 0003):   19.20    0.063    3.48    4.30
=====
ID = 3 ( 0005):   20.39    0.068    3.42    4.79

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NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

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*****
** SIMULATION:1.3 Chicago 4hr 10yr **
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| CHICAGO STORM |
| Ptotal= 47.41 mm |
-----
IDF curve parameters: A= 488.045
                      B= 0.000
                      C= 0.678
used in: INTENSITY = A / (t + B)^C

Duration of storm = 4.00 hrs
Storm time step   = 15.00 min
Time to peak ratio = 0.33

```

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	4.80	1.00	77.82	2.00	7.25	3.00	4.59
0.25	5.90	1.25	17.81	2.25	6.26	3.25	4.24
0.50	8.00	1.50	11.39	2.50	5.55	3.50	3.95
0.75	14.59	1.75	8.76	2.75	5.01	3.75	3.71

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-----
| CALIB |
| NASHYD ( 0003) |
| ID= 1 DT= 1.0 min |
-----
Area (ha)= 19.20      Curve Number (CN)= 55.0
Ia (mm)= 9.10        # of Linear Res.(N)= 3.00
U.H. Tp(hrs)= 1.32

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NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

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----- TRANSFORMED HYETOGRAPH -----

```

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	4.80	1.017	77.82	2.017	7.26	3.02	4.59
0.033	4.80	1.033	77.82	2.033	7.25	3.03	4.59
0.050	4.80	1.050	77.82	2.050	7.25	3.05	4.59
0.067	4.80	1.067	77.82	2.067	7.25	3.07	4.59
0.083	4.80	1.083	77.82	2.083	7.25	3.08	4.59
0.100	4.80	1.100	77.82	2.100	7.25	3.10	4.59
0.117	4.80	1.117	77.82	2.117	7.25	3.12	4.59
0.133	4.80	1.133	77.82	2.133	7.25	3.13	4.59
0.150	4.80	1.150	77.82	2.150	7.25	3.15	4.59
0.167	4.80	1.167	77.82	2.167	7.25	3.17	4.59
0.183	4.80	1.183	77.82	2.183	7.25	3.18	4.59
0.200	4.80	1.200	77.82	2.200	7.25	3.20	4.59
0.217	4.80	1.217	77.82	2.217	7.25	3.22	4.59
0.233	4.80	1.233	77.82	2.233	7.25	3.23	4.59
0.250	4.80	1.250	77.82	2.250	7.25	3.25	4.59
0.267	5.90	1.267	17.81	2.267	6.26	3.27	4.24
0.283	5.90	1.283	17.81	2.283	6.26	3.28	4.24
0.300	5.90	1.300	17.81	2.300	6.26	3.30	4.24
0.317	5.90	1.317	17.81	2.317	6.26	3.32	4.24
0.333	5.90	1.333	17.81	2.333	6.26	3.33	4.24
0.350	5.90	1.350	17.81	2.350	6.26	3.35	4.24
0.367	5.90	1.367	17.81	2.367	6.26	3.37	4.24
0.383	5.90	1.383	17.81	2.383	6.26	3.38	4.24
0.400	5.90	1.400	17.81	2.400	6.26	3.40	4.24
0.417	5.90	1.417	17.81	2.417	6.26	3.42	4.24
0.433	5.90	1.433	17.81	2.433	6.26	3.43	4.24
0.450	5.90	1.450	17.81	2.450	6.26	3.45	4.24
0.467	5.90	1.467	17.81	2.467	6.26	3.47	4.24
0.483	5.90	1.483	17.81	2.483	6.26	3.48	4.24
0.500	5.90	1.500	17.81	2.500	6.26	3.50	4.24
0.517	8.00	1.517	11.39	2.517	5.55	3.52	3.95
0.533	8.00	1.533	11.39	2.533	5.55	3.53	3.95
0.550	8.00	1.550	11.39	2.550	5.55	3.55	3.95
0.567	8.00	1.567	11.39	2.567	5.55	3.57	3.95
0.583	8.00	1.583	11.39	2.583	5.55	3.58	3.95
0.600	8.00	1.600	11.39	2.600	5.55	3.60	3.95

0.617	8.00	1.617	11.39	2.617	5.55	3.62	3.95
0.633	8.00	1.633	11.39	2.633	5.55	3.63	3.95
0.650	8.00	1.650	11.39	2.650	5.55	3.65	3.95
0.667	8.00	1.667	11.39	2.667	5.55	3.67	3.95
0.683	8.00	1.683	11.39	2.683	5.55	3.68	3.95
0.700	8.00	1.700	11.39	2.700	5.55	3.70	3.95
0.717	8.00	1.717	11.39	2.717	5.55	3.72	3.95
0.733	8.00	1.733	11.39	2.733	5.55	3.73	3.95
0.750	8.00	1.750	11.39	2.750	5.55	3.75	3.95
0.767	14.59	1.767	8.76	2.767	5.01	3.77	3.71
0.783	14.59	1.783	8.76	2.783	5.01	3.78	3.71
0.800	14.59	1.800	8.76	2.800	5.01	3.80	3.71
0.817	14.59	1.817	8.76	2.817	5.01	3.82	3.71
0.833	14.59	1.833	8.76	2.833	5.01	3.83	3.71
0.850	14.59	1.850	8.76	2.850	5.01	3.85	3.71
0.867	14.59	1.867	8.76	2.867	5.01	3.87	3.71
0.883	14.59	1.883	8.76	2.883	5.01	3.88	3.71
0.900	14.59	1.900	8.76	2.900	5.01	3.90	3.71
0.917	14.59	1.917	8.76	2.917	5.01	3.92	3.71
0.933	14.59	1.933	8.76	2.933	5.01	3.93	3.71
0.950	14.59	1.950	8.76	2.950	5.01	3.95	3.71
0.967	14.59	1.967	8.76	2.967	5.01	3.97	3.71
0.983	14.59	1.983	8.76	2.983	5.01	3.98	3.71
1.000	14.59	2.000	8.76	3.000	5.01	4.00	3.71

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.087 (i)
TIME TO PEAK (hrs)= 3.400
RUNOFF VOLUME (mm)= 5.963
TOTAL RAINFALL (mm)= 47.409
RUNOFF COEFFICIENT = 0.126

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
STANDHYD (0001)	Area (ha)= 1.18		
ID= 1 DT= 1.0 min	Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00	

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	4.80	1.017	77.82	2.017	7.26	3.02	4.59
0.033	4.80	1.033	77.82	2.033	7.25	3.03	4.59
0.050	4.80	1.050	77.82	2.050	7.25	3.05	4.59
0.067	4.80	1.067	77.82	2.067	7.25	3.07	4.59
0.083	4.80	1.083	77.82	2.083	7.25	3.08	4.59
0.100	4.80	1.100	77.82	2.100	7.25	3.10	4.59
0.117	4.80	1.117	77.82	2.117	7.25	3.12	4.59
0.133	4.80	1.133	77.82	2.133	7.25	3.13	4.59
0.150	4.80	1.150	77.82	2.150	7.25	3.15	4.59
0.167	4.80	1.167	77.82	2.167	7.25	3.17	4.59
0.183	4.80	1.183	77.82	2.183	7.25	3.18	4.59
0.200	4.80	1.200	77.82	2.200	7.25	3.20	4.59
0.217	4.80	1.217	77.82	2.217	7.25	3.22	4.59
0.233	4.80	1.233	77.82	2.233	7.25	3.23	4.59
0.250	4.80	1.250	77.82	2.250	7.25	3.25	4.59
0.267	5.90	1.267	17.81	2.267	6.26	3.27	4.24
0.283	5.90	1.283	17.81	2.283	6.26	3.28	4.24
0.300	5.90	1.300	17.81	2.300	6.26	3.30	4.24
0.317	5.90	1.317	17.81	2.317	6.26	3.32	4.24
0.333	5.90	1.333	17.81	2.333	6.26	3.33	4.24
0.350	5.90	1.350	17.81	2.350	6.26	3.35	4.24
0.367	5.90	1.367	17.81	2.367	6.26	3.37	4.24
0.383	5.90	1.383	17.81	2.383	6.26	3.38	4.24
0.400	5.90	1.400	17.81	2.400	6.26	3.40	4.24
0.417	5.90	1.417	17.81	2.417	6.26	3.42	4.24
0.433	5.90	1.433	17.81	2.433	6.26	3.43	4.24
0.450	5.90	1.450	17.81	2.450	6.26	3.45	4.24
0.467	5.90	1.467	17.81	2.467	6.26	3.47	4.24
0.483	5.90	1.483	17.81	2.483	6.26	3.48	4.24
0.500	5.90	1.500	17.81	2.500	6.26	3.50	4.24

0.517	8.00	1.517	11.39	2.517	5.55	3.52	3.95
0.533	8.00	1.533	11.39	2.533	5.55	3.53	3.95
0.550	8.00	1.550	11.39	2.550	5.55	3.55	3.95
0.567	8.00	1.567	11.39	2.567	5.55	3.57	3.95
0.583	8.00	1.583	11.39	2.583	5.55	3.58	3.95
0.600	8.00	1.600	11.39	2.600	5.55	3.60	3.95
0.617	8.00	1.617	11.39	2.617	5.55	3.62	3.95
0.633	8.00	1.633	11.39	2.633	5.55	3.63	3.95
0.650	8.00	1.650	11.39	2.650	5.55	3.65	3.95
0.667	8.00	1.667	11.39	2.667	5.55	3.67	3.95
0.683	8.00	1.683	11.39	2.683	5.55	3.68	3.95
0.700	8.00	1.700	11.39	2.700	5.55	3.70	3.95
0.717	8.00	1.717	11.39	2.717	5.55	3.72	3.95
0.733	8.00	1.733	11.39	2.733	5.55	3.73	3.95
0.750	8.00	1.750	11.39	2.750	5.55	3.75	3.95
0.767	14.59	1.767	8.76	2.767	5.01	3.77	3.71
0.783	14.59	1.783	8.76	2.783	5.01	3.78	3.71
0.800	14.59	1.800	8.76	2.800	5.01	3.80	3.71
0.817	14.59	1.817	8.76	2.817	5.01	3.82	3.71
0.833	14.59	1.833	8.76	2.833	5.01	3.83	3.71
0.850	14.59	1.850	8.76	2.850	5.01	3.85	3.71
0.867	14.59	1.867	8.76	2.867	5.01	3.87	3.71
0.883	14.59	1.883	8.76	2.883	5.01	3.88	3.71
0.900	14.59	1.900	8.76	2.900	5.01	3.90	3.71
0.917	14.59	1.917	8.76	2.917	5.01	3.92	3.71
0.933	14.59	1.933	8.76	2.933	5.01	3.93	3.71
0.950	14.59	1.950	8.76	2.950	5.01	3.95	3.71
0.967	14.59	1.967	8.76	2.967	5.01	3.97	3.71
0.983	14.59	1.983	8.76	2.983	5.01	3.98	3.71
1.000	14.59	2.000	8.76	3.000	5.01	4.00	3.71

Max.Eff.Inten.(mm/hr)=	77.82	7.04	
over (min)	5.00	24.00	
Storage Coeff. (min)=	2.63 (ii)	23.03 (ii)	
Unit Hyd. Tpeak (min)=	5.00	24.00	
Unit Hyd. peak (cms)=	0.33	0.05	
			TOTALS
PEAK FLOW (cms)=	0.06	0.01	0.058 (iii)
TIME TO PEAK (hrs)=	1.25	1.62	1.25
RUNOFF VOLUME (mm)=	45.41	6.95	15.40
TOTAL RAINFALL (mm)=	47.41	47.41	47.41
RUNOFF COEFFICIENT =	0.96	0.15	0.32

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0001):	1.18	0.058	1.25	15.40
+ ID2= 2 (0003):	19.20	0.087	3.40	5.96
ID = 3 (0005):	20.39	0.094	3.30	6.51

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:1.4 Chicago 4hr 25yr **

CHICAGO STORM	IDF curve parameters: A= 569.921
Ptotal= 55.36 mm	B= 0.000
	C= 0.678
	used in: INTENSITY = A / (t + B)^C
	Duration of storm = 4.00 hrs
	Storm time step = 15.00 min
	Time to peak ratio = 0.33

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	5.60	1.00	90.87	2.00	8.47	3.00	5.36
0.25	6.89	1.25	20.79	2.25	7.32	3.25	4.95
0.50	9.34	1.50	13.30	2.50	6.49	3.50	4.62
0.75	17.04	1.75	10.23	2.75	5.85	3.75	4.33

CALIB			
NASHYD (0003)	Area (ha)=	19.20	Curve Number (CN)= 55.0
ID= 1 DT= 1.0 min	Ia (mm)=	9.10	# of Linear Res.(N)= 3.00
	U.H. Tp(hrs)=	1.32	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	5.60	1.017	90.87	2.017	8.47	3.02	5.36
0.033	5.60	1.033	90.87	2.033	8.47	3.03	5.36
0.050	5.60	1.050	90.87	2.050	8.47	3.05	5.36
0.067	5.60	1.067	90.87	2.067	8.47	3.07	5.36
0.083	5.60	1.083	90.87	2.083	8.47	3.08	5.36
0.100	5.60	1.100	90.87	2.100	8.47	3.10	5.36
0.117	5.60	1.117	90.87	2.117	8.47	3.12	5.36
0.133	5.60	1.133	90.87	2.133	8.47	3.13	5.36
0.150	5.60	1.150	90.87	2.150	8.47	3.15	5.36
0.167	5.60	1.167	90.87	2.167	8.47	3.17	5.36
0.183	5.60	1.183	90.87	2.183	8.47	3.18	5.36
0.200	5.60	1.200	90.87	2.200	8.47	3.20	5.36
0.217	5.60	1.217	90.87	2.217	8.47	3.22	5.36
0.233	5.60	1.233	90.87	2.233	8.47	3.23	5.36
0.250	5.60	1.250	90.87	2.250	8.47	3.25	5.36
0.267	6.89	1.267	20.80	2.267	7.32	3.27	4.95
0.283	6.89	1.283	20.79	2.283	7.32	3.28	4.95
0.300	6.89	1.300	20.79	2.300	7.32	3.30	4.95
0.317	6.89	1.317	20.79	2.317	7.32	3.32	4.95
0.333	6.89	1.333	20.79	2.333	7.32	3.33	4.95
0.350	6.89	1.350	20.79	2.350	7.32	3.35	4.95
0.367	6.89	1.367	20.79	2.367	7.32	3.37	4.95
0.383	6.89	1.383	20.79	2.383	7.32	3.38	4.95
0.400	6.89	1.400	20.79	2.400	7.32	3.40	4.95
0.417	6.89	1.417	20.79	2.417	7.32	3.42	4.95
0.433	6.89	1.433	20.79	2.433	7.32	3.43	4.95
0.450	6.89	1.450	20.79	2.450	7.32	3.45	4.95
0.467	6.89	1.467	20.79	2.467	7.32	3.47	4.95
0.483	6.89	1.483	20.79	2.483	7.32	3.48	4.95
0.500	6.89	1.500	20.79	2.500	7.32	3.50	4.95
0.517	9.34	1.517	13.30	2.517	6.49	3.52	4.62
0.533	9.34	1.533	13.30	2.533	6.49	3.53	4.62
0.550	9.34	1.550	13.30	2.550	6.49	3.55	4.62
0.567	9.34	1.567	13.30	2.567	6.49	3.57	4.62
0.583	9.34	1.583	13.30	2.583	6.49	3.58	4.62
0.600	9.34	1.600	13.30	2.600	6.49	3.60	4.62
0.617	9.34	1.617	13.30	2.617	6.49	3.62	4.62
0.633	9.34	1.633	13.30	2.633	6.49	3.63	4.62
0.650	9.34	1.650	13.30	2.650	6.49	3.65	4.62
0.667	9.34	1.667	13.30	2.667	6.49	3.67	4.62
0.683	9.34	1.683	13.30	2.683	6.49	3.68	4.62
0.700	9.34	1.700	13.30	2.700	6.49	3.70	4.62
0.717	9.34	1.717	13.30	2.717	6.49	3.72	4.62
0.733	9.34	1.733	13.30	2.733	6.49	3.73	4.62
0.750	9.34	1.750	13.30	2.750	6.49	3.75	4.62
0.767	17.04	1.767	10.23	2.767	5.85	3.77	4.33
0.783	17.04	1.783	10.23	2.783	5.85	3.78	4.33
0.800	17.04	1.800	10.23	2.800	5.85	3.80	4.33
0.817	17.04	1.817	10.23	2.817	5.85	3.82	4.33
0.833	17.04	1.833	10.23	2.833	5.85	3.83	4.33
0.850	17.04	1.850	10.23	2.850	5.85	3.85	4.33
0.867	17.04	1.867	10.23	2.867	5.85	3.87	4.33
0.883	17.04	1.883	10.23	2.883	5.85	3.88	4.33
0.900	17.04	1.900	10.23	2.900	5.85	3.90	4.33
0.917	17.04	1.917	10.23	2.917	5.85	3.92	4.33
0.933	17.04	1.933	10.23	2.933	5.85	3.93	4.33
0.950	17.04	1.950	10.23	2.950	5.85	3.95	4.33
0.967	17.04	1.967	10.23	2.967	5.85	3.97	4.33
0.983	17.04	1.983	10.23	2.983	5.85	3.98	4.33
1.000	17.04	2.000	10.23	3.000	5.85	4.00	4.33

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.124 (i)
TIME TO PEAK (hrs)= 3.317
RUNOFF VOLUME (mm)= 8.423
TOTAL RAINFALL (mm)= 55.362
RUNOFF COEFFICIENT = 0.152

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0001)
ID= 1 DT= 1.0 min

Area (ha)= 1.18
Total Imp(%)= 22.00 Dir. Conn.(%)= 22.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	5.60	1.017	90.87	2.017	8.47	3.02	5.36
0.033	5.60	1.033	90.87	2.033	8.47	3.03	5.36
0.050	5.60	1.050	90.87	2.050	8.47	3.05	5.36
0.067	5.60	1.067	90.87	2.067	8.47	3.07	5.36
0.083	5.60	1.083	90.87	2.083	8.47	3.08	5.36
0.100	5.60	1.100	90.87	2.100	8.47	3.10	5.36
0.117	5.60	1.117	90.87	2.117	8.47	3.12	5.36
0.133	5.60	1.133	90.87	2.133	8.47	3.13	5.36
0.150	5.60	1.150	90.87	2.150	8.47	3.15	5.36
0.167	5.60	1.167	90.87	2.167	8.47	3.17	5.36
0.183	5.60	1.183	90.87	2.183	8.47	3.18	5.36
0.200	5.60	1.200	90.87	2.200	8.47	3.20	5.36
0.217	5.60	1.217	90.87	2.217	8.47	3.22	5.36
0.233	5.60	1.233	90.87	2.233	8.47	3.23	5.36
0.250	5.60	1.250	90.87	2.250	8.47	3.25	5.36
0.267	6.89	1.267	20.80	2.267	7.32	3.27	4.95
0.283	6.89	1.283	20.79	2.283	7.32	3.28	4.95
0.300	6.89	1.300	20.79	2.300	7.32	3.30	4.95
0.317	6.89	1.317	20.79	2.317	7.32	3.32	4.95
0.333	6.89	1.333	20.79	2.333	7.32	3.33	4.95
0.350	6.89	1.350	20.79	2.350	7.32	3.35	4.95
0.367	6.89	1.367	20.79	2.367	7.32	3.37	4.95
0.383	6.89	1.383	20.79	2.383	7.32	3.38	4.95
0.400	6.89	1.400	20.79	2.400	7.32	3.40	4.95
0.417	6.89	1.417	20.79	2.417	7.32	3.42	4.95
0.433	6.89	1.433	20.79	2.433	7.32	3.43	4.95
0.450	6.89	1.450	20.79	2.450	7.32	3.45	4.95
0.467	6.89	1.467	20.79	2.467	7.32	3.47	4.95
0.483	6.89	1.483	20.79	2.483	7.32	3.48	4.95
0.500	6.89	1.500	20.79	2.500	7.32	3.50	4.95
0.517	9.34	1.517	13.30	2.517	6.49	3.52	4.62
0.533	9.34	1.533	13.30	2.533	6.49	3.53	4.62
0.550	9.34	1.550	13.30	2.550	6.49	3.55	4.62
0.567	9.34	1.567	13.30	2.567	6.49	3.57	4.62
0.583	9.34	1.583	13.30	2.583	6.49	3.58	4.62
0.600	9.34	1.600	13.30	2.600	6.49	3.60	4.62
0.617	9.34	1.617	13.30	2.617	6.49	3.62	4.62
0.633	9.34	1.633	13.30	2.633	6.49	3.63	4.62
0.650	9.34	1.650	13.30	2.650	6.49	3.65	4.62
0.667	9.34	1.667	13.30	2.667	6.49	3.67	4.62
0.683	9.34	1.683	13.30	2.683	6.49	3.68	4.62
0.700	9.34	1.700	13.30	2.700	6.49	3.70	4.62
0.717	9.34	1.717	13.30	2.717	6.49	3.72	4.62
0.733	9.34	1.733	13.30	2.733	6.49	3.73	4.62
0.750	9.34	1.750	13.30	2.750	6.49	3.75	4.62
0.767	17.04	1.767	10.23	2.767	5.85	3.77	4.33
0.783	17.04	1.783	10.23	2.783	5.85	3.78	4.33
0.800	17.04	1.800	10.23	2.800	5.85	3.80	4.33
0.817	17.04	1.817	10.23	2.817	5.85	3.82	4.33
0.833	17.04	1.833	10.23	2.833	5.85	3.83	4.33
0.850	17.04	1.850	10.23	2.850	5.85	3.85	4.33
0.867	17.04	1.867	10.23	2.867	5.85	3.87	4.33
0.883	17.04	1.883	10.23	2.883	5.85	3.88	4.33
0.900	17.04	1.900	10.23	2.900	5.85	3.90	4.33
0.917	17.04	1.917	10.23	2.917	5.85	3.92	4.33
0.933	17.04	1.933	10.23	2.933	5.85	3.93	4.33
0.950	17.04	1.950	10.23	2.950	5.85	3.95	4.33
0.967	17.04	1.967	10.23	2.967	5.85	3.97	4.33
0.983	17.04	1.983	10.23	2.983	5.85	3.98	4.33
1.000	17.04	2.000	10.23	3.000	5.85	4.00	4.33

Max.Eff.Inten.(mm/hr)=	90.87	10.71
over (min)	5.00	20.00
Storage Coeff. (min)=	2.47 (ii)	19.72 (ii)
Unit Hyd. Tpeak (min)=	5.00	20.00

Unit Hyd. peak (cms)=	0.34	0.06	
PEAK FLOW (cms)=	0.07	0.02	*TOTALS*
TIME TO PEAK (hrs)=	1.25	1.55	0.071 (iii)
RUNOFF VOLUME (mm)=	53.36	9.51	1.25
TOTAL RAINFALL (mm)=	55.36	55.36	19.15
RUNOFF COEFFICIENT =	0.96	0.17	55.36
			0.35

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)				
1 + 2 = 3				
ID1= 1 (0001):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
+ ID2= 2 (0003):	1.18	0.071	1.25	19.15
	19.20	0.124	3.32	8.42
ID = 3 (0005):	20.39	0.133	3.27	9.05

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:1.5 Chicago 4hr 50yr **

CHICAGO STORM	IDF curve parameters: A= 630.927
Ptotal= 61.29 mm	B= 0.000
	C= 0.678
	used in: INTENSITY = A / (t + B)^C
	Duration of storm = 4.00 hrs
	Storm time step = 15.00 min
	Time to peak ratio = 0.33

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	6.20	1.00	100.60	2.00	9.38	3.00	5.93
0.25	7.63	1.25	23.02	2.25	8.10	3.25	5.48
0.50	10.34	1.50	14.72	2.50	7.18	3.50	5.11
0.75	18.86	1.75	11.32	2.75	6.48	3.75	4.80

CALIB			
NASHYD (0003)	Area (ha)= 19.20	Curve Number (CN)= 55.0	
ID= 1 DT= 1.0 min	Ia (mm)= 9.10	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 1.32		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	6.20	1.017	100.60	2.017	9.38	3.02	5.93
0.033	6.20	1.033	100.60	2.033	9.38	3.03	5.93
0.050	6.20	1.050	100.60	2.050	9.38	3.05	5.93
0.067	6.20	1.067	100.60	2.067	9.38	3.07	5.93
0.083	6.20	1.083	100.60	2.083	9.38	3.08	5.93
0.100	6.20	1.100	100.60	2.100	9.38	3.10	5.93
0.117	6.20	1.117	100.60	2.117	9.38	3.12	5.93
0.133	6.20	1.133	100.60	2.133	9.38	3.13	5.93
0.150	6.20	1.150	100.60	2.150	9.38	3.15	5.93
0.167	6.20	1.167	100.60	2.167	9.38	3.17	5.93
0.183	6.20	1.183	100.60	2.183	9.38	3.18	5.93
0.200	6.20	1.200	100.60	2.200	9.38	3.20	5.93
0.217	6.20	1.217	100.60	2.217	9.38	3.22	5.93
0.233	6.20	1.233	100.60	2.233	9.38	3.23	5.93
0.250	6.20	1.250	100.60	2.250	9.38	3.25	5.93
0.267	7.63	1.267	23.02	2.267	8.10	3.27	5.48
0.283	7.63	1.283	23.02	2.283	8.10	3.28	5.48
0.300	7.63	1.300	23.02	2.300	8.10	3.30	5.48
0.317	7.63	1.317	23.02	2.317	8.10	3.32	5.48
0.333	7.63	1.333	23.02	2.333	8.10	3.33	5.48
0.350	7.63	1.350	23.02	2.350	8.10	3.35	5.48
0.367	7.63	1.367	23.02	2.367	8.10	3.37	5.48

0.383	7.63	1.383	23.02	2.383	8.10	3.38	5.48
0.400	7.63	1.400	23.02	2.400	8.10	3.40	5.48
0.417	7.63	1.417	23.02	2.417	8.10	3.42	5.48
0.433	7.63	1.433	23.02	2.433	8.10	3.43	5.48
0.450	7.63	1.450	23.02	2.450	8.10	3.45	5.48
0.467	7.63	1.467	23.02	2.467	8.10	3.47	5.48
0.483	7.63	1.483	23.02	2.483	8.10	3.48	5.48
0.500	7.63	1.500	23.02	2.500	8.10	3.50	5.48
0.517	10.34	1.517	14.72	2.517	7.18	3.52	5.11
0.533	10.34	1.533	14.72	2.533	7.18	3.53	5.11
0.550	10.34	1.550	14.72	2.550	7.18	3.55	5.11
0.567	10.34	1.567	14.72	2.567	7.18	3.57	5.11
0.583	10.34	1.583	14.72	2.583	7.18	3.58	5.11
0.600	10.34	1.600	14.72	2.600	7.18	3.60	5.11
0.617	10.34	1.617	14.72	2.617	7.18	3.62	5.11
0.633	10.34	1.633	14.72	2.633	7.18	3.63	5.11
0.650	10.34	1.650	14.72	2.650	7.18	3.65	5.11
0.667	10.34	1.667	14.72	2.667	7.18	3.67	5.11
0.683	10.34	1.683	14.72	2.683	7.18	3.68	5.11
0.700	10.34	1.700	14.72	2.700	7.18	3.70	5.11
0.717	10.34	1.717	14.72	2.717	7.18	3.72	5.11
0.733	10.34	1.733	14.72	2.733	7.18	3.73	5.11
0.750	10.34	1.750	14.72	2.750	7.18	3.75	5.11
0.767	18.86	1.767	11.32	2.767	6.48	3.77	4.80
0.783	18.86	1.783	11.32	2.783	6.48	3.78	4.80
0.800	18.86	1.800	11.32	2.800	6.48	3.80	4.80
0.817	18.86	1.817	11.32	2.817	6.48	3.82	4.80
0.833	18.86	1.833	11.32	2.833	6.48	3.83	4.80
0.850	18.86	1.850	11.32	2.850	6.48	3.85	4.80
0.867	18.86	1.867	11.32	2.867	6.48	3.87	4.80
0.883	18.86	1.883	11.32	2.883	6.48	3.88	4.80
0.900	18.86	1.900	11.32	2.900	6.48	3.90	4.80
0.917	18.86	1.917	11.32	2.917	6.48	3.92	4.80
0.933	18.86	1.933	11.32	2.933	6.48	3.93	4.80
0.950	18.86	1.950	11.32	2.950	6.48	3.95	4.80
0.967	18.86	1.967	11.32	2.967	6.48	3.97	4.80
0.983	18.86	1.983	11.32	2.983	6.48	3.98	4.80
1.000	18.86	2.000	11.32	3.000	6.48	4.00	4.80

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.155 (i)
TIME TO PEAK (hrs)= 3.283
RUNOFF VOLUME (mm)= 10.475
TOTAL RAINFALL (mm)= 61.288
RUNOFF COEFFICIENT = 0.171

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0001)
ID= 1 DT= 1.0 min

Area (ha)= 1.18
Total Imp(%)= 22.00 Dir. Conn.(%)= 22.00

IMPERVIOUS PERVIOUS (i)
Surface Area (ha)= 0.26 0.92
Dep. Storage (mm)= 2.00 5.00
Average Slope (%)= 1.00 2.00
Length (m)= 88.84 40.00
Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.20	1.017	100.60	2.017	9.38	3.02	5.93
0.033	6.20	1.033	100.60	2.033	9.38	3.03	5.93
0.050	6.20	1.050	100.60	2.050	9.38	3.05	5.93
0.067	6.20	1.067	100.60	2.067	9.38	3.07	5.93
0.083	6.20	1.083	100.60	2.083	9.38	3.08	5.93
0.100	6.20	1.100	100.60	2.100	9.38	3.10	5.93
0.117	6.20	1.117	100.60	2.117	9.38	3.12	5.93
0.133	6.20	1.133	100.60	2.133	9.38	3.13	5.93
0.150	6.20	1.150	100.60	2.150	9.38	3.15	5.93
0.167	6.20	1.167	100.60	2.167	9.38	3.17	5.93
0.183	6.20	1.183	100.60	2.183	9.38	3.18	5.93
0.200	6.20	1.200	100.60	2.200	9.38	3.20	5.93
0.217	6.20	1.217	100.60	2.217	9.38	3.22	5.93
0.233	6.20	1.233	100.60	2.233	9.38	3.23	5.93
0.250	6.20	1.250	100.60	2.250	9.38	3.25	5.93
0.267	7.63	1.267	23.02	2.267	8.10	3.27	5.48

0.283	7.63	1.283	23.02	2.283	8.10	3.28	5.48
0.300	7.63	1.300	23.02	2.300	8.10	3.30	5.48
0.317	7.63	1.317	23.02	2.317	8.10	3.32	5.48
0.333	7.63	1.333	23.02	2.333	8.10	3.33	5.48
0.350	7.63	1.350	23.02	2.350	8.10	3.35	5.48
0.367	7.63	1.367	23.02	2.367	8.10	3.37	5.48
0.383	7.63	1.383	23.02	2.383	8.10	3.38	5.48
0.400	7.63	1.400	23.02	2.400	8.10	3.40	5.48
0.417	7.63	1.417	23.02	2.417	8.10	3.42	5.48
0.433	7.63	1.433	23.02	2.433	8.10	3.43	5.48
0.450	7.63	1.450	23.02	2.450	8.10	3.45	5.48
0.467	7.63	1.467	23.02	2.467	8.10	3.47	5.48
0.483	7.63	1.483	23.02	2.483	8.10	3.48	5.48
0.500	7.63	1.500	23.02	2.500	8.10	3.50	5.48
0.517	10.34	1.517	14.72	2.517	7.18	3.52	5.11
0.533	10.34	1.533	14.72	2.533	7.18	3.53	5.11
0.550	10.34	1.550	14.72	2.550	7.18	3.55	5.11
0.567	10.34	1.567	14.72	2.567	7.18	3.57	5.11
0.583	10.34	1.583	14.72	2.583	7.18	3.58	5.11
0.600	10.34	1.600	14.72	2.600	7.18	3.60	5.11
0.617	10.34	1.617	14.72	2.617	7.18	3.62	5.11
0.633	10.34	1.633	14.72	2.633	7.18	3.63	5.11
0.650	10.34	1.650	14.72	2.650	7.18	3.65	5.11
0.667	10.34	1.667	14.72	2.667	7.18	3.67	5.11
0.683	10.34	1.683	14.72	2.683	7.18	3.68	5.11
0.700	10.34	1.700	14.72	2.700	7.18	3.70	5.11
0.717	10.34	1.717	14.72	2.717	7.18	3.72	5.11
0.733	10.34	1.733	14.72	2.733	7.18	3.73	5.11
0.750	10.34	1.750	14.72	2.750	7.18	3.75	5.11
0.767	18.86	1.767	11.32	2.767	6.48	3.77	4.80
0.783	18.86	1.783	11.32	2.783	6.48	3.78	4.80
0.800	18.86	1.800	11.32	2.800	6.48	3.80	4.80
0.817	18.86	1.817	11.32	2.817	6.48	3.82	4.80
0.833	18.86	1.833	11.32	2.833	6.48	3.83	4.80
0.850	18.86	1.850	11.32	2.850	6.48	3.85	4.80
0.867	18.86	1.867	11.32	2.867	6.48	3.87	4.80
0.883	18.86	1.883	11.32	2.883	6.48	3.88	4.80
0.900	18.86	1.900	11.32	2.900	6.48	3.90	4.80
0.917	18.86	1.917	11.32	2.917	6.48	3.92	4.80
0.933	18.86	1.933	11.32	2.933	6.48	3.93	4.80
0.950	18.86	1.950	11.32	2.950	6.48	3.95	4.80
0.967	18.86	1.967	11.32	2.967	6.48	3.97	4.80
0.983	18.86	1.983	11.32	2.983	6.48	3.98	4.80
1.000	18.86	2.000	11.32	3.000	6.48	4.00	4.80

Max.Eff.Inten.(mm/hr)=	100.60	14.27	
over (min)	5.00	18.00	
Storage Coeff. (min)=	2.37 (ii)	17.75 (ii)	
Unit Hyd. Tpeak (min)=	5.00	18.00	
Unit Hyd. peak (cms)=	0.35	0.06	
			TOTALS
PEAK FLOW (cms)=	0.07	0.02	0.081 (iii)
TIME TO PEAK (hrs)=	1.25	1.50	1.25
RUNOFF VOLUME (mm)=	59.29	11.62	22.10
TOTAL RAINFALL (mm)=	61.29	61.29	61.29
RUNOFF COEFFICIENT =	0.97	0.19	0.36

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)				
1 + 2 = 3				
ID1= 1 (0001):	1.18	0.081	1.25	22.10
+ ID2= 2 (0003):	19.20	0.155	3.28	10.48
ID = 3 (0005):	20.39	0.165	3.25	11.15

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:1.6 Chicago 4hr 100yr **

CHICAGO STORM	IDF curve parameters: A= 690.327
Ptotal= 67.06 mm	B= 0.000
	C= 0.678

used in: INTENSITY = A / (t + B)^{AC}

Duration of storm = 4.00 hrs

Storm time step = 15.00 min

Time to peak ratio = 0.33

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	6.78	1.00	110.07	2.00	10.26	3.00	6.49
0.25	8.35	1.25	25.19	2.25	8.86	3.25	6.00
0.50	11.31	1.50	16.11	2.50	7.86	3.50	5.59
0.75	20.64	1.75	12.39	2.75	7.09	3.75	5.25

CALIB			
NASHYD (0003)	Area (ha)= 19.20	Curve Number (CN)= 55.0	
ID= 1 DT= 1.0 min	Ia (mm)= 9.10	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 1.32		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	6.78	1.017	110.07	2.017	10.26	3.02	6.49
0.033	6.78	1.033	110.07	2.033	10.26	3.03	6.49
0.050	6.78	1.050	110.07	2.050	10.26	3.05	6.49
0.067	6.78	1.067	110.07	2.067	10.26	3.07	6.49
0.083	6.78	1.083	110.07	2.083	10.26	3.08	6.49
0.100	6.78	1.100	110.07	2.100	10.26	3.10	6.49
0.117	6.78	1.117	110.07	2.117	10.26	3.12	6.49
0.133	6.78	1.133	110.07	2.133	10.26	3.13	6.49
0.150	6.78	1.150	110.07	2.150	10.26	3.15	6.49
0.167	6.78	1.167	110.07	2.167	10.26	3.17	6.49
0.183	6.78	1.183	110.07	2.183	10.26	3.18	6.49
0.200	6.78	1.200	110.07	2.200	10.26	3.20	6.49
0.217	6.78	1.217	110.07	2.217	10.26	3.22	6.49
0.233	6.78	1.233	110.07	2.233	10.26	3.23	6.49
0.250	6.78	1.250	110.07	2.250	10.26	3.25	6.49
0.267	8.35	1.267	25.19	2.267	8.86	3.27	6.00
0.283	8.35	1.283	25.19	2.283	8.86	3.28	6.00
0.300	8.35	1.300	25.19	2.300	8.86	3.30	6.00
0.317	8.35	1.317	25.19	2.317	8.86	3.32	6.00
0.333	8.35	1.333	25.19	2.333	8.86	3.33	6.00
0.350	8.35	1.350	25.19	2.350	8.86	3.35	6.00
0.367	8.35	1.367	25.19	2.367	8.86	3.37	6.00
0.383	8.35	1.383	25.19	2.383	8.86	3.38	6.00
0.400	8.35	1.400	25.19	2.400	8.86	3.40	6.00
0.417	8.35	1.417	25.19	2.417	8.86	3.42	6.00
0.433	8.35	1.433	25.19	2.433	8.86	3.43	6.00
0.450	8.35	1.450	25.19	2.450	8.86	3.45	6.00
0.467	8.35	1.467	25.19	2.467	8.86	3.47	6.00
0.483	8.35	1.483	25.19	2.483	8.86	3.48	6.00
0.500	8.35	1.500	25.19	2.500	8.86	3.50	6.00
0.517	11.31	1.517	16.11	2.517	7.86	3.52	5.59
0.533	11.31	1.533	16.11	2.533	7.86	3.53	5.59
0.550	11.31	1.550	16.11	2.550	7.86	3.55	5.59
0.567	11.31	1.567	16.11	2.567	7.86	3.57	5.59
0.583	11.31	1.583	16.11	2.583	7.86	3.58	5.59
0.600	11.31	1.600	16.11	2.600	7.86	3.60	5.59
0.617	11.31	1.617	16.11	2.617	7.86	3.62	5.59
0.633	11.31	1.633	16.11	2.633	7.86	3.63	5.59
0.650	11.31	1.650	16.11	2.650	7.86	3.65	5.59
0.667	11.31	1.667	16.11	2.667	7.86	3.67	5.59
0.683	11.31	1.683	16.11	2.683	7.86	3.68	5.59
0.700	11.31	1.700	16.11	2.700	7.86	3.70	5.59
0.717	11.31	1.717	16.11	2.717	7.86	3.72	5.59
0.733	11.31	1.733	16.11	2.733	7.86	3.73	5.59
0.750	11.31	1.750	16.11	2.750	7.86	3.75	5.59
0.767	20.64	1.767	12.39	2.767	7.09	3.77	5.25
0.783	20.64	1.783	12.39	2.783	7.09	3.78	5.25
0.800	20.64	1.800	12.39	2.800	7.09	3.80	5.25
0.817	20.64	1.817	12.39	2.817	7.09	3.82	5.25
0.833	20.64	1.833	12.39	2.833	7.09	3.83	5.25
0.850	20.64	1.850	12.39	2.850	7.09	3.85	5.25
0.867	20.64	1.867	12.39	2.867	7.09	3.87	5.25
0.883	20.64	1.883	12.39	2.883	7.09	3.88	5.25
0.900	20.64	1.900	12.39	2.900	7.09	3.90	5.25
0.917	20.64	1.917	12.39	2.917	7.09	3.92	5.25
0.933	20.64	1.933	12.39	2.933	7.09	3.93	5.25
0.950	20.64	1.950	12.39	2.950	7.09	3.95	5.25

0.967	20.64	1.967	12.39	2.967	7.09	3.97	5.25
0.983	20.64	1.983	12.39	2.983	7.09	3.98	5.25
1.000	20.64	2.000	12.39	3.000	7.09	4.00	5.25

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.188 (i)
 TIME TO PEAK (hrs)= 3.250
 RUNOFF VOLUME (mm)= 12.639
 TOTAL RAINFALL (mm)= 67.058
 RUNOFF COEFFICIENT = 0.188

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB	
STANDHYD (0001)	Area (ha)= 1.18
ID= 1 DT= 1.0 min	Total Imp(%)= 22.00 Dir. Conn.(%)= 22.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.78	1.017	110.07	2.017	10.26	3.02	6.49
0.033	6.78	1.033	110.07	2.033	10.26	3.03	6.49
0.050	6.78	1.050	110.07	2.050	10.26	3.05	6.49
0.067	6.78	1.067	110.07	2.067	10.26	3.07	6.49
0.083	6.78	1.083	110.07	2.083	10.26	3.08	6.49
0.100	6.78	1.100	110.07	2.100	10.26	3.10	6.49
0.117	6.78	1.117	110.07	2.117	10.26	3.12	6.49
0.133	6.78	1.133	110.07	2.133	10.26	3.13	6.49
0.150	6.78	1.150	110.07	2.150	10.26	3.15	6.49
0.167	6.78	1.167	110.07	2.167	10.26	3.17	6.49
0.183	6.78	1.183	110.07	2.183	10.26	3.18	6.49
0.200	6.78	1.200	110.07	2.200	10.26	3.20	6.49
0.217	6.78	1.217	110.07	2.217	10.26	3.22	6.49
0.233	6.78	1.233	110.07	2.233	10.26	3.23	6.49
0.250	6.78	1.250	110.07	2.250	10.26	3.25	6.49
0.267	8.35	1.267	25.19	2.267	8.86	3.27	6.00
0.283	8.35	1.283	25.19	2.283	8.86	3.28	6.00
0.300	8.35	1.300	25.19	2.300	8.86	3.30	6.00
0.317	8.35	1.317	25.19	2.317	8.86	3.32	6.00
0.333	8.35	1.333	25.19	2.333	8.86	3.33	6.00
0.350	8.35	1.350	25.19	2.350	8.86	3.35	6.00
0.367	8.35	1.367	25.19	2.367	8.86	3.37	6.00
0.383	8.35	1.383	25.19	2.383	8.86	3.38	6.00
0.400	8.35	1.400	25.19	2.400	8.86	3.40	6.00
0.417	8.35	1.417	25.19	2.417	8.86	3.42	6.00
0.433	8.35	1.433	25.19	2.433	8.86	3.43	6.00
0.450	8.35	1.450	25.19	2.450	8.86	3.45	6.00
0.467	8.35	1.467	25.19	2.467	8.86	3.47	6.00
0.483	8.35	1.483	25.19	2.483	8.86	3.48	6.00
0.500	8.35	1.500	25.19	2.500	8.86	3.50	6.00
0.517	11.31	1.517	16.11	2.517	7.86	3.52	5.59
0.533	11.31	1.533	16.11	2.533	7.86	3.53	5.59
0.550	11.31	1.550	16.11	2.550	7.86	3.55	5.59
0.567	11.31	1.567	16.11	2.567	7.86	3.57	5.59
0.583	11.31	1.583	16.11	2.583	7.86	3.58	5.59
0.600	11.31	1.600	16.11	2.600	7.86	3.60	5.59
0.617	11.31	1.617	16.11	2.617	7.86	3.62	5.59
0.633	11.31	1.633	16.11	2.633	7.86	3.63	5.59
0.650	11.31	1.650	16.11	2.650	7.86	3.65	5.59
0.667	11.31	1.667	16.11	2.667	7.86	3.67	5.59
0.683	11.31	1.683	16.11	2.683	7.86	3.68	5.59
0.700	11.31	1.700	16.11	2.700	7.86	3.70	5.59
0.717	11.31	1.717	16.11	2.717	7.86	3.72	5.59
0.733	11.31	1.733	16.11	2.733	7.86	3.73	5.59
0.750	11.31	1.750	16.11	2.750	7.86	3.75	5.59
0.767	20.64	1.767	12.39	2.767	7.09	3.77	5.25
0.783	20.64	1.783	12.39	2.783	7.09	3.78	5.25
0.800	20.64	1.800	12.39	2.800	7.09	3.80	5.25
0.817	20.64	1.817	12.39	2.817	7.09	3.82	5.25
0.833	20.64	1.833	12.39	2.833	7.09	3.83	5.25
0.850	20.64	1.850	12.39	2.850	7.09	3.85	5.25

0.867	20.64	1.867	12.39	2.867	7.09	3.87	5.25
0.883	20.64	1.883	12.39	2.883	7.09	3.88	5.25
0.900	20.64	1.900	12.39	2.900	7.09	3.90	5.25
0.917	20.64	1.917	12.39	2.917	7.09	3.92	5.25
0.933	20.64	1.933	12.39	2.933	7.09	3.93	5.25
0.950	20.64	1.950	12.39	2.950	7.09	3.95	5.25
0.967	20.64	1.967	12.39	2.967	7.09	3.97	5.25
0.983	20.64	1.983	12.39	2.983	7.09	3.98	5.25
1.000	20.64	2.000	12.39	3.000	7.09	4.00	5.25

Max.Eff.Inten.(mm/hr)= 110.07 18.69
over (min) 5.00 17.00
Storage Coeff. (min)= 2.29 (ii) 16.09 (ii)
Unit Hyd. Tpeak (min)= 5.00 17.00
Unit Hyd. peak (cms)= 0.35 0.07

TOTALS

PEAK FLOW (cms)= 0.08 0.03 0.091 (iii)
TIME TO PEAK (hrs)= 1.25 1.48 1.25
RUNOFF VOLUME (mm)= 65.06 13.83 25.09
TOTAL RAINFALL (mm)= 67.06 67.06
RUNOFF COEFFICIENT = 0.97 0.21 0.37

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0001):	1.18	0.091	1.25	25.09
+ ID2= 2 (0003):	19.20	0.188	3.25	12.64
=====				
ID = 3 (0005):	20.39	0.199	3.22	13.36

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:2.1 SCS II 6hr 2yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData\Local\Temp\6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\7533ee87
Ptotal= 36.21 mm	Comments: SCS 6 HOUR TYPE II STORM DISTRIBUTION
	Duration of storm = 6.00 hrs
	Mass curve time step = 30.00 min
	New Storm time step = 15.00 min

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.72	1.50	2.90	3.00	23.17	4.50	2.53
0.25	1.45	1.75	2.90	3.25	9.41	4.75	2.17
0.50	1.45	2.00	3.98	3.50	6.88	5.00	1.81
0.75	1.45	2.25	5.07	3.75	4.35	5.25	1.45
1.00	2.17	2.50	21.00	4.00	3.62	5.50	1.45
1.25	2.90	2.75	36.93	4.25	2.90	5.75	1.45

CALIB NASHYD (0003)	Area (ha)= 19.20	Curve Number (CN)= 55.0
ID= 1 DT= 1.0 min	Ia (mm)= 9.10	# of Linear Res.(N)= 3.00
	U.H. Tp(hrs)= 1.32	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.72	1.517	2.90	3.017	23.18	4.52	2.53
0.033	0.72	1.533	2.90	3.033	23.17	4.53	2.53
0.050	0.72	1.550	2.90	3.050	23.17	4.55	2.53
0.067	0.72	1.567	2.90	3.067	23.17	4.57	2.53
0.083	0.72	1.583	2.90	3.083	23.17	4.58	2.53
0.100	0.72	1.600	2.90	3.100	23.17	4.60	2.53

0.117	0.72	1.617	2.90	3.117	23.17	4.62	2.53
0.133	0.72	1.633	2.90	3.133	23.17	4.63	2.53
0.150	0.72	1.650	2.90	3.150	23.17	4.65	2.53
0.167	0.72	1.667	2.90	3.167	23.17	4.67	2.53
0.183	0.72	1.683	2.90	3.183	23.17	4.68	2.53
0.200	0.72	1.700	2.90	3.200	23.17	4.70	2.53
0.217	0.72	1.717	2.90	3.217	23.17	4.72	2.53
0.233	0.72	1.733	2.90	3.233	23.17	4.73	2.53
0.250	0.72	1.750	2.90	3.250	23.17	4.75	2.53
0.267	1.45	1.767	2.90	3.267	9.42	4.77	2.17
0.283	1.45	1.783	2.90	3.283	9.41	4.78	2.17
0.300	1.45	1.800	2.90	3.300	9.41	4.80	2.17
0.317	1.45	1.817	2.90	3.317	9.41	4.82	2.17
0.333	1.45	1.833	2.90	3.333	9.41	4.83	2.17
0.350	1.45	1.850	2.90	3.350	9.41	4.85	2.17
0.367	1.45	1.867	2.90	3.367	9.41	4.87	2.17
0.383	1.45	1.883	2.90	3.383	9.41	4.88	2.17
0.400	1.45	1.900	2.90	3.400	9.41	4.90	2.17
0.417	1.45	1.917	2.90	3.417	9.41	4.92	2.17
0.433	1.45	1.933	2.90	3.433	9.41	4.93	2.17
0.450	1.45	1.950	2.90	3.450	9.41	4.95	2.17
0.467	1.45	1.967	2.90	3.467	9.41	4.97	2.17
0.483	1.45	1.983	2.90	3.483	9.41	4.98	2.17
0.500	1.45	2.000	2.90	3.500	9.41	5.00	2.17
0.517	1.45	2.017	3.98	3.517	6.88	5.02	1.81
0.533	1.45	2.033	3.98	3.533	6.88	5.03	1.81
0.550	1.45	2.050	3.98	3.550	6.88	5.05	1.81
0.567	1.45	2.067	3.98	3.567	6.88	5.07	1.81
0.583	1.45	2.083	3.98	3.583	6.88	5.08	1.81
0.600	1.45	2.100	3.98	3.600	6.88	5.10	1.81
0.617	1.45	2.117	3.98	3.617	6.88	5.12	1.81
0.633	1.45	2.133	3.98	3.633	6.88	5.13	1.81
0.650	1.45	2.150	3.98	3.650	6.88	5.15	1.81
0.667	1.45	2.167	3.98	3.667	6.88	5.17	1.81
0.683	1.45	2.183	3.98	3.683	6.88	5.18	1.81
0.700	1.45	2.200	3.98	3.700	6.88	5.20	1.81
0.717	1.45	2.217	3.98	3.717	6.88	5.22	1.81
0.733	1.45	2.233	3.98	3.733	6.88	5.23	1.81
0.750	1.45	2.250	3.98	3.750	6.88	5.25	1.81
0.767	1.45	2.267	5.07	3.767	4.35	5.27	1.45
0.783	1.45	2.283	5.07	3.783	4.35	5.28	1.45
0.800	1.45	2.300	5.07	3.800	4.35	5.30	1.45
0.817	1.45	2.317	5.07	3.817	4.35	5.32	1.45
0.833	1.45	2.333	5.07	3.833	4.35	5.33	1.45
0.850	1.45	2.350	5.07	3.850	4.35	5.35	1.45
0.867	1.45	2.367	5.07	3.867	4.35	5.37	1.45
0.883	1.45	2.383	5.07	3.883	4.35	5.38	1.45
0.900	1.45	2.400	5.07	3.900	4.35	5.40	1.45
0.917	1.45	2.417	5.07	3.917	4.35	5.42	1.45
0.933	1.45	2.433	5.07	3.933	4.35	5.43	1.45
0.950	1.45	2.450	5.07	3.950	4.35	5.45	1.45
0.967	1.45	2.467	5.07	3.967	4.35	5.47	1.45
0.983	1.45	2.483	5.07	3.983	4.35	5.48	1.45
1.000	1.45	2.500	5.07	4.000	4.35	5.50	1.45
1.017	2.17	2.517	21.00	4.017	3.62	5.52	1.45
1.033	2.17	2.533	21.00	4.033	3.62	5.53	1.45
1.050	2.17	2.550	21.00	4.050	3.62	5.55	1.45
1.067	2.17	2.567	21.00	4.067	3.62	5.57	1.45
1.083	2.17	2.583	21.00	4.083	3.62	5.58	1.45
1.100	2.17	2.600	21.00	4.100	3.62	5.60	1.45
1.117	2.17	2.617	21.00	4.117	3.62	5.62	1.45
1.133	2.17	2.633	21.00	4.133	3.62	5.63	1.45
1.150	2.17	2.650	21.00	4.150	3.62	5.65	1.45
1.167	2.17	2.667	21.00	4.167	3.62	5.67	1.45
1.183	2.17	2.683	21.00	4.183	3.62	5.68	1.45
1.200	2.17	2.700	21.00	4.200	3.62	5.70	1.45
1.217	2.17	2.717	21.00	4.217	3.62	5.72	1.45
1.233	2.17	2.733	21.00	4.233	3.62	5.73	1.45
1.250	2.17	2.750	21.00	4.250	3.62	5.75	1.45
1.267	2.90	2.767	36.93	4.267	2.90	5.77	1.45
1.283	2.90	2.783	36.93	4.283	2.90	5.78	1.45
1.300	2.90	2.800	36.93	4.300	2.90	5.80	1.45
1.317	2.90	2.817	36.93	4.317	2.90	5.82	1.45
1.333	2.90	2.833	36.93	4.333	2.90	5.83	1.45
1.350	2.90	2.850	36.93	4.350	2.90	5.85	1.45
1.367	2.90	2.867	36.93	4.367	2.90	5.87	1.45
1.383	2.90	2.883	36.93	4.383	2.90	5.88	1.45
1.400	2.90	2.900	36.93	4.400	2.90	5.90	1.45
1.417	2.90	2.917	36.93	4.417	2.90	5.92	1.45
1.433	2.90	2.933	36.93	4.433	2.90	5.93	1.45
1.450	2.90	2.950	36.93	4.450	2.90	5.95	1.45
1.467	2.90	2.967	36.93	4.467	2.90	5.97	1.45
1.483	2.90	2.983	36.93	4.483	2.90	5.98	1.45
1.500	2.90	3.000	36.93	4.500	2.90	6.00	1.45

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.049 (i)

TIME TO PEAK (hrs)= 4.900

RUNOFF VOLUME (mm)= 3.089

TOTAL RAINFALL (mm)= 36.029

RUNOFF COEFFICIENT = 0.086

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0001)
ID= 1 DT= 1.0 min

Area (ha)= 1.18
Total Imp(%)= 22.00 Dir. Conn.(%)= 22.00

IMPERVIOUS PERVIOUS (i)
Surface Area (ha)= 0.26 0.92
Dep. Storage (mm)= 2.00 5.00
Average Slope (%)= 1.00 2.00
Length (m)= 88.84 40.00
Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.72	1.517	2.90	3.017	23.18	4.52	2.53
0.033	0.72	1.533	2.90	3.033	23.17	4.53	2.53
0.050	0.72	1.550	2.90	3.050	23.17	4.55	2.53
0.067	0.72	1.567	2.90	3.067	23.17	4.57	2.53
0.083	0.72	1.583	2.90	3.083	23.17	4.58	2.53
0.100	0.72	1.600	2.90	3.100	23.17	4.60	2.53
0.117	0.72	1.617	2.90	3.117	23.17	4.62	2.53
0.133	0.72	1.633	2.90	3.133	23.17	4.63	2.53
0.150	0.72	1.650	2.90	3.150	23.17	4.65	2.53
0.167	0.72	1.667	2.90	3.167	23.17	4.67	2.53
0.183	0.72	1.683	2.90	3.183	23.17	4.68	2.53
0.200	0.72	1.700	2.90	3.200	23.17	4.70	2.53
0.217	0.72	1.717	2.90	3.217	23.17	4.72	2.53
0.233	0.72	1.733	2.90	3.233	23.17	4.73	2.53
0.250	0.72	1.750	2.90	3.250	23.17	4.75	2.53
0.267	1.45	1.767	2.90	3.267	9.42	4.77	2.17
0.283	1.45	1.783	2.90	3.283	9.41	4.78	2.17
0.300	1.45	1.800	2.90	3.300	9.41	4.80	2.17
0.317	1.45	1.817	2.90	3.317	9.41	4.82	2.17
0.333	1.45	1.833	2.90	3.333	9.41	4.83	2.17
0.350	1.45	1.850	2.90	3.350	9.41	4.85	2.17
0.367	1.45	1.867	2.90	3.367	9.41	4.87	2.17
0.383	1.45	1.883	2.90	3.383	9.41	4.88	2.17
0.400	1.45	1.900	2.90	3.400	9.41	4.90	2.17
0.417	1.45	1.917	2.90	3.417	9.41	4.92	2.17
0.433	1.45	1.933	2.90	3.433	9.41	4.93	2.17
0.450	1.45	1.950	2.90	3.450	9.41	4.95	2.17
0.467	1.45	1.967	2.90	3.467	9.41	4.97	2.17
0.483	1.45	1.983	2.90	3.483	9.41	4.98	2.17
0.500	1.45	2.000	2.90	3.500	9.41	5.00	2.17
0.517	1.45	2.017	3.98	3.517	6.88	5.02	1.81
0.533	1.45	2.033	3.98	3.533	6.88	5.03	1.81
0.550	1.45	2.050	3.98	3.550	6.88	5.05	1.81
0.567	1.45	2.067	3.98	3.567	6.88	5.07	1.81
0.583	1.45	2.083	3.98	3.583	6.88	5.08	1.81
0.600	1.45	2.100	3.98	3.600	6.88	5.10	1.81
0.617	1.45	2.117	3.98	3.617	6.88	5.12	1.81
0.633	1.45	2.133	3.98	3.633	6.88	5.13	1.81
0.650	1.45	2.150	3.98	3.650	6.88	5.15	1.81
0.667	1.45	2.167	3.98	3.667	6.88	5.17	1.81
0.683	1.45	2.183	3.98	3.683	6.88	5.18	1.81
0.700	1.45	2.200	3.98	3.700	6.88	5.20	1.81
0.717	1.45	2.217	3.98	3.717	6.88	5.22	1.81
0.733	1.45	2.233	3.98	3.733	6.88	5.23	1.81
0.750	1.45	2.250	3.98	3.750	6.88	5.25	1.81
0.767	1.45	2.267	5.07	3.767	4.35	5.27	1.45
0.783	1.45	2.283	5.07	3.783	4.35	5.28	1.45
0.800	1.45	2.300	5.07	3.800	4.35	5.30	1.45
0.817	1.45	2.317	5.07	3.817	4.35	5.32	1.45
0.833	1.45	2.333	5.07	3.833	4.35	5.33	1.45
0.850	1.45	2.350	5.07	3.850	4.35	5.35	1.45
0.867	1.45	2.367	5.07	3.867	4.35	5.37	1.45
0.883	1.45	2.383	5.07	3.883	4.35	5.38	1.45
0.900	1.45	2.400	5.07	3.900	4.35	5.40	1.45

0.917	1.45	2.417	5.07	3.917	4.35	5.42	1.45
0.933	1.45	2.433	5.07	3.933	4.35	5.43	1.45
0.950	1.45	2.450	5.07	3.950	4.35	5.45	1.45
0.967	1.45	2.467	5.07	3.967	4.35	5.47	1.45
0.983	1.45	2.483	5.07	3.983	4.35	5.48	1.45
1.000	1.45	2.500	5.07	4.000	4.35	5.50	1.45
1.017	2.17	2.517	21.00	4.017	3.62	5.52	1.45
1.033	2.17	2.533	21.00	4.033	3.62	5.53	1.45
1.050	2.17	2.550	21.00	4.050	3.62	5.55	1.45
1.067	2.17	2.567	21.00	4.067	3.62	5.57	1.45
1.083	2.17	2.583	21.00	4.083	3.62	5.58	1.45
1.100	2.17	2.600	21.00	4.100	3.62	5.60	1.45
1.117	2.17	2.617	21.00	4.117	3.62	5.62	1.45
1.133	2.17	2.633	21.00	4.133	3.62	5.63	1.45
1.150	2.17	2.650	21.00	4.150	3.62	5.65	1.45
1.167	2.17	2.667	21.00	4.167	3.62	5.67	1.45
1.183	2.17	2.683	21.00	4.183	3.62	5.68	1.45
1.200	2.17	2.700	21.00	4.200	3.62	5.70	1.45
1.217	2.17	2.717	21.00	4.217	3.62	5.72	1.45
1.233	2.17	2.733	21.00	4.233	3.62	5.73	1.45
1.250	2.17	2.750	21.00	4.250	3.62	5.75	1.45
1.267	2.90	2.767	36.93	4.267	2.90	5.77	1.45
1.283	2.90	2.783	36.93	4.283	2.90	5.78	1.45
1.300	2.90	2.800	36.93	4.300	2.90	5.80	1.45
1.317	2.90	2.817	36.93	4.317	2.90	5.82	1.45
1.333	2.90	2.833	36.93	4.333	2.90	5.83	1.45
1.350	2.90	2.850	36.93	4.350	2.90	5.85	1.45
1.367	2.90	2.867	36.93	4.367	2.90	5.87	1.45
1.383	2.90	2.883	36.93	4.383	2.90	5.88	1.45
1.400	2.90	2.900	36.93	4.400	2.90	5.90	1.45
1.417	2.90	2.917	36.93	4.417	2.90	5.92	1.45
1.433	2.90	2.933	36.93	4.433	2.90	5.93	1.45
1.450	2.90	2.950	36.93	4.450	2.90	5.95	1.45
1.467	2.90	2.967	36.93	4.467	2.90	5.97	1.45
1.483	2.90	2.983	36.93	4.483	2.90	5.98	1.45
1.500	2.90	3.000	36.93	4.500	2.90	6.00	1.45

Max.Eff.Inten.(mm/hr)= 36.93 3.64
over (min) 5.00 31.00
Storage Coeff. (min)= 3.54 (ii) 30.11 (ii)
Unit Hyd. Tpeak (min)= 5.00 31.00
Unit Hyd. peak (cms)= 0.28 0.04

TOTALS
PEAK FLOW (cms)= 0.03 0.01 0.027 (iii)
TIME TO PEAK (hrs)= 3.00 3.65 3.00
RUNOFF VOLUME (mm)= 34.03 3.89 10.51
TOTAL RAINFALL (mm)= 36.03 36.03 36.03
RUNOFF COEFFICIENT = 0.94 0.11 0.29

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)

(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.

(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)				
1 + 2 = 3				
ID1= 1 (0001):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
+ ID2= 2 (0003):	1.18	0.027	3.00	10.51
	19.20	0.049	4.90	3.09
ID = 3 (0005):	20.39	0.053	4.78	3.52

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:2.2 SCS II 6hr 5yr **

MASS STORM

Ptotal= 47.09 mm

Filename: C:\Users\rbrockie\AppData\Local\Temp\6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\c28ef418

Comments: SCS 6 HOUR TYPE II STORM DISTRIBUTION

Duration of storm = 6.00 hrs
Mass curve time step = 30.00 min
New Storm time step = 15.00 min

TIME

RAIN

TIME

RAIN

TIME

RAIN

TIME

RAIN

hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	0.94	1.50	3.77	3.00	30.14	4.50	3.30
0.25	1.88	1.75	3.77	3.25	12.24	4.75	2.83
0.50	1.88	2.00	5.18	3.50	8.95	5.00	2.35
0.75	1.88	2.25	6.59	3.75	5.65	5.25	1.88
1.00	2.83	2.50	27.31	4.00	4.71	5.50	1.88
1.25	3.77	2.75	48.03	4.25	3.77	5.75	1.88

CALIB							
NASHYD	(0003)	Area	(ha)= 19.20	Curve Number	(CN)= 55.0		
ID= 1	DT= 1.0 min	Ia	(mm)= 9.10	# of Linear Res.	(N)= 3.00		
		U.H. Tp	(hrs)= 1.32				

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.94	1.517	3.77	3.017	30.14	4.52	3.30
0.033	0.94	1.533	3.77	3.033	30.14	4.53	3.30
0.050	0.94	1.550	3.77	3.050	30.14	4.55	3.30
0.067	0.94	1.567	3.77	3.067	30.14	4.57	3.30
0.083	0.94	1.583	3.77	3.083	30.14	4.58	3.30
0.100	0.94	1.600	3.77	3.100	30.14	4.60	3.30
0.117	0.94	1.617	3.77	3.117	30.14	4.62	3.30
0.133	0.94	1.633	3.77	3.133	30.14	4.63	3.30
0.150	0.94	1.650	3.77	3.150	30.14	4.65	3.30
0.167	0.94	1.667	3.77	3.167	30.14	4.67	3.30
0.183	0.94	1.683	3.77	3.183	30.14	4.68	3.30
0.200	0.94	1.700	3.77	3.200	30.14	4.70	3.30
0.217	0.94	1.717	3.77	3.217	30.14	4.72	3.30
0.233	0.94	1.733	3.77	3.233	30.14	4.73	3.30
0.250	0.94	1.750	3.77	3.250	30.14	4.75	3.30
0.267	1.88	1.767	3.77	3.267	12.25	4.77	2.83
0.283	1.88	1.783	3.77	3.283	12.24	4.78	2.83
0.300	1.88	1.800	3.77	3.300	12.24	4.80	2.83
0.317	1.88	1.817	3.77	3.317	12.24	4.82	2.83
0.333	1.88	1.833	3.77	3.333	12.24	4.83	2.83
0.350	1.88	1.850	3.77	3.350	12.24	4.85	2.83
0.367	1.88	1.867	3.77	3.367	12.24	4.87	2.83
0.383	1.88	1.883	3.77	3.383	12.24	4.88	2.83
0.400	1.88	1.900	3.77	3.400	12.24	4.90	2.83
0.417	1.88	1.917	3.77	3.417	12.24	4.92	2.83
0.433	1.88	1.933	3.77	3.433	12.24	4.93	2.83
0.450	1.88	1.950	3.77	3.450	12.24	4.95	2.83
0.467	1.88	1.967	3.77	3.467	12.24	4.97	2.83
0.483	1.88	1.983	3.77	3.483	12.24	4.98	2.83
0.500	1.88	2.000	3.77	3.500	12.24	5.00	2.83
0.517	1.88	2.017	5.18	3.517	8.95	5.02	2.35
0.533	1.88	2.033	5.18	3.533	8.95	5.03	2.35
0.550	1.88	2.050	5.18	3.550	8.95	5.05	2.35
0.567	1.88	2.067	5.18	3.567	8.95	5.07	2.35
0.583	1.88	2.083	5.18	3.583	8.95	5.08	2.35
0.600	1.88	2.100	5.18	3.600	8.95	5.10	2.35
0.617	1.88	2.117	5.18	3.617	8.95	5.12	2.35
0.633	1.88	2.133	5.18	3.633	8.95	5.13	2.35
0.650	1.88	2.150	5.18	3.650	8.95	5.15	2.35
0.667	1.88	2.167	5.18	3.667	8.95	5.17	2.35
0.683	1.88	2.183	5.18	3.683	8.95	5.18	2.35
0.700	1.88	2.200	5.18	3.700	8.95	5.20	2.35
0.717	1.88	2.217	5.18	3.717	8.95	5.22	2.35
0.733	1.88	2.233	5.18	3.733	8.95	5.23	2.35
0.750	1.88	2.250	5.18	3.750	8.95	5.25	2.35
0.767	1.88	2.267	6.59	3.767	5.65	5.27	1.88
0.783	1.88	2.283	6.59	3.783	5.65	5.28	1.88
0.800	1.88	2.300	6.59	3.800	5.65	5.30	1.88
0.817	1.88	2.317	6.59	3.817	5.65	5.32	1.88
0.833	1.88	2.333	6.59	3.833	5.65	5.33	1.88
0.850	1.88	2.350	6.59	3.850	5.65	5.35	1.88
0.867	1.88	2.367	6.59	3.867	5.65	5.37	1.88
0.883	1.88	2.383	6.59	3.883	5.65	5.38	1.88
0.900	1.88	2.400	6.59	3.900	5.65	5.40	1.88
0.917	1.88	2.417	6.59	3.917	5.65	5.42	1.88
0.933	1.88	2.433	6.59	3.933	5.65	5.43	1.88
0.950	1.88	2.450	6.59	3.950	5.65	5.45	1.88
0.967	1.88	2.467	6.59	3.967	5.65	5.47	1.88
0.983	1.88	2.483	6.59	3.983	5.65	5.48	1.88
1.000	1.88	2.500	6.59	4.000	5.65	5.50	1.88
1.017	2.83	2.517	27.31	4.017	4.71	5.52	1.88
1.033	2.83	2.533	27.31	4.033	4.71	5.53	1.88
1.050	2.83	2.550	27.31	4.050	4.71	5.55	1.88

1.067	2.83	2.567	27.31	4.067	4.71	5.57	1.88
1.083	2.83	2.583	27.31	4.083	4.71	5.58	1.88
1.100	2.83	2.600	27.31	4.100	4.71	5.60	1.88
1.117	2.83	2.617	27.31	4.117	4.71	5.62	1.88
1.133	2.83	2.633	27.31	4.133	4.71	5.63	1.88
1.150	2.83	2.650	27.31	4.150	4.71	5.65	1.88
1.167	2.83	2.667	27.31	4.167	4.71	5.67	1.88
1.183	2.83	2.683	27.31	4.183	4.71	5.68	1.88
1.200	2.83	2.700	27.31	4.200	4.71	5.70	1.88
1.217	2.83	2.717	27.31	4.217	4.71	5.72	1.88
1.233	2.83	2.733	27.31	4.233	4.71	5.73	1.88
1.250	2.83	2.750	27.31	4.250	4.71	5.75	1.88
1.267	3.77	2.767	48.03	4.267	3.77	5.77	1.88
1.283	3.77	2.783	48.03	4.283	3.77	5.78	1.88
1.300	3.77	2.800	48.03	4.300	3.77	5.80	1.88
1.317	3.77	2.817	48.03	4.317	3.77	5.82	1.88
1.333	3.77	2.833	48.03	4.333	3.77	5.83	1.88
1.350	3.77	2.850	48.03	4.350	3.77	5.85	1.88
1.367	3.77	2.867	48.03	4.367	3.77	5.87	1.88
1.383	3.77	2.883	48.03	4.383	3.77	5.88	1.88
1.400	3.77	2.900	48.03	4.400	3.77	5.90	1.88
1.417	3.77	2.917	48.03	4.417	3.77	5.92	1.88
1.433	3.77	2.933	48.03	4.433	3.77	5.93	1.88
1.450	3.77	2.950	48.03	4.450	3.77	5.95	1.88
1.467	3.77	2.967	48.03	4.467	3.77	5.97	1.88
1.483	3.77	2.983	48.03	4.483	3.77	5.98	1.88
1.500	3.77	3.000	48.03	4.500	3.77	6.00	1.88

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.094 (i)
TIME TO PEAK (hrs)= 4.817
RUNOFF VOLUME (mm)= 5.804
TOTAL RAINFALL (mm)= 46.855
RUNOFF COEFFICIENT = 0.124

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB					
STANDHYD (0001)	Area (ha)=	1.18			
ID= 1 DT= 1.0 min	Total Imp(%)=	22.00	Dir. Conn.(%)=	22.00	
	IMPERVIOUS		PERVIOUS (i)		
Surface Area	(ha)=	0.26	0.92		
Dep. Storage	(mm)=	2.00	5.00		
Average Slope	(%)=	1.00	2.00		
Length	(m)=	88.84	40.00		
Mannings n	=	0.013	0.250		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.94	1.517	3.77	3.017	30.14	4.52	3.30
0.033	0.94	1.533	3.77	3.033	30.14	4.53	3.30
0.050	0.94	1.550	3.77	3.050	30.14	4.55	3.30
0.067	0.94	1.567	3.77	3.067	30.14	4.57	3.30
0.083	0.94	1.583	3.77	3.083	30.14	4.58	3.30
0.100	0.94	1.600	3.77	3.100	30.14	4.60	3.30
0.117	0.94	1.617	3.77	3.117	30.14	4.62	3.30
0.133	0.94	1.633	3.77	3.133	30.14	4.63	3.30
0.150	0.94	1.650	3.77	3.150	30.14	4.65	3.30
0.167	0.94	1.667	3.77	3.167	30.14	4.67	3.30
0.183	0.94	1.683	3.77	3.183	30.14	4.68	3.30
0.200	0.94	1.700	3.77	3.200	30.14	4.70	3.30
0.217	0.94	1.717	3.77	3.217	30.14	4.72	3.30
0.233	0.94	1.733	3.77	3.233	30.14	4.73	3.30
0.250	0.94	1.750	3.77	3.250	30.14	4.75	3.30
0.267	1.88	1.767	3.77	3.267	12.25	4.77	2.83
0.283	1.88	1.783	3.77	3.283	12.24	4.78	2.83
0.300	1.88	1.800	3.77	3.300	12.24	4.80	2.83
0.317	1.88	1.817	3.77	3.317	12.24	4.82	2.83
0.333	1.88	1.833	3.77	3.333	12.24	4.83	2.83
0.350	1.88	1.850	3.77	3.350	12.24	4.85	2.83
0.367	1.88	1.867	3.77	3.367	12.24	4.87	2.83
0.383	1.88	1.883	3.77	3.383	12.24	4.88	2.83
0.400	1.88	1.900	3.77	3.400	12.24	4.90	2.83
0.417	1.88	1.917	3.77	3.417	12.24	4.92	2.83
0.433	1.88	1.933	3.77	3.433	12.24	4.93	2.83
0.450	1.88	1.950	3.77	3.450	12.24	4.95	2.83

0.467	1.88	1.967	3.77	3.467	12.24	4.97	2.83
0.483	1.88	1.983	3.77	3.483	12.24	4.98	2.83
0.500	1.88	2.000	3.77	3.500	12.24	5.00	2.83
0.517	1.88	2.017	5.18	3.517	8.95	5.02	2.35
0.533	1.88	2.033	5.18	3.533	8.95	5.03	2.35
0.550	1.88	2.050	5.18	3.550	8.95	5.05	2.35
0.567	1.88	2.067	5.18	3.567	8.95	5.07	2.35
0.583	1.88	2.083	5.18	3.583	8.95	5.08	2.35
0.600	1.88	2.100	5.18	3.600	8.95	5.10	2.35
0.617	1.88	2.117	5.18	3.617	8.95	5.12	2.35
0.633	1.88	2.133	5.18	3.633	8.95	5.13	2.35
0.650	1.88	2.150	5.18	3.650	8.95	5.15	2.35
0.667	1.88	2.167	5.18	3.667	8.95	5.17	2.35
0.683	1.88	2.183	5.18	3.683	8.95	5.18	2.35
0.700	1.88	2.200	5.18	3.700	8.95	5.20	2.35
0.717	1.88	2.217	5.18	3.717	8.95	5.22	2.35
0.733	1.88	2.233	5.18	3.733	8.95	5.23	2.35
0.750	1.88	2.250	5.18	3.750	8.95	5.25	2.35
0.767	1.88	2.267	6.59	3.767	5.65	5.27	1.88
0.783	1.88	2.283	6.59	3.783	5.65	5.28	1.88
0.800	1.88	2.300	6.59	3.800	5.65	5.30	1.88
0.817	1.88	2.317	6.59	3.817	5.65	5.32	1.88
0.833	1.88	2.333	6.59	3.833	5.65	5.33	1.88
0.850	1.88	2.350	6.59	3.850	5.65	5.35	1.88
0.867	1.88	2.367	6.59	3.867	5.65	5.37	1.88
0.883	1.88	2.383	6.59	3.883	5.65	5.38	1.88
0.900	1.88	2.400	6.59	3.900	5.65	5.40	1.88
0.917	1.88	2.417	6.59	3.917	5.65	5.42	1.88
0.933	1.88	2.433	6.59	3.933	5.65	5.43	1.88
0.950	1.88	2.450	6.59	3.950	5.65	5.45	1.88
0.967	1.88	2.467	6.59	3.967	5.65	5.47	1.88
0.983	1.88	2.483	6.59	3.983	5.65	5.48	1.88
1.000	1.88	2.500	6.59	4.000	5.65	5.50	1.88
1.017	2.83	2.517	27.31	4.017	4.71	5.52	1.88
1.033	2.83	2.533	27.31	4.033	4.71	5.53	1.88
1.050	2.83	2.550	27.31	4.050	4.71	5.55	1.88
1.067	2.83	2.567	27.31	4.067	4.71	5.57	1.88
1.083	2.83	2.583	27.31	4.083	4.71	5.58	1.88
1.100	2.83	2.600	27.31	4.100	4.71	5.60	1.88
1.117	2.83	2.617	27.31	4.117	4.71	5.62	1.88
1.133	2.83	2.633	27.31	4.133	4.71	5.63	1.88
1.150	2.83	2.650	27.31	4.150	4.71	5.65	1.88
1.167	2.83	2.667	27.31	4.167	4.71	5.67	1.88
1.183	2.83	2.683	27.31	4.183	4.71	5.68	1.88
1.200	2.83	2.700	27.31	4.200	4.71	5.70	1.88
1.217	2.83	2.717	27.31	4.217	4.71	5.72	1.88
1.233	2.83	2.733	27.31	4.233	4.71	5.73	1.88
1.250	2.83	2.750	27.31	4.250	4.71	5.75	1.88
1.267	3.77	2.767	48.03	4.267	3.77	5.77	1.88
1.283	3.77	2.783	48.03	4.283	3.77	5.78	1.88
1.300	3.77	2.800	48.03	4.300	3.77	5.80	1.88
1.317	3.77	2.817	48.03	4.317	3.77	5.82	1.88
1.333	3.77	2.833	48.03	4.333	3.77	5.83	1.88
1.350	3.77	2.850	48.03	4.350	3.77	5.85	1.88
1.367	3.77	2.867	48.03	4.367	3.77	5.87	1.88
1.383	3.77	2.883	48.03	4.383	3.77	5.88	1.88
1.400	3.77	2.900	48.03	4.400	3.77	5.90	1.88
1.417	3.77	2.917	48.03	4.417	3.77	5.92	1.88
1.433	3.77	2.933	48.03	4.433	3.77	5.93	1.88
1.450	3.77	2.950	48.03	4.450	3.77	5.95	1.88
1.467	3.77	2.967	48.03	4.467	3.77	5.97	1.88
1.483	3.77	2.983	48.03	4.483	3.77	5.98	1.88
1.500	3.77	3.000	48.03	4.500	3.77	6.00	1.88

Max.Eff.Inten.(mm/hr)= 48.03 6.51
over (min) 5.00 25.00
Storage Coeff. (min)= 3.19 (ii) 24.23 (ii)
Unit Hyd. Tpeak (min)= 5.00 25.00
Unit Hyd. peak (cms)= 0.30 0.05

TOTALS

PEAK FLOW (cms)= 0.03 0.01 0.038 (iii)
TIME TO PEAK (hrs)= 3.00 3.52 3.00
RUNOFF VOLUME (mm)= 44.85 6.78 15.15
TOTAL RAINFALL (mm)= 46.85 46.85 46.85
RUNOFF COEFFICIENT = 0.96 0.14 0.32

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0001):	1.18	0.038	3.00	15.15
+ ID2= 2 (0003):	19.20	0.094	4.82	5.80
ID = 3 (0005):	20.39	0.100	4.75	6.35

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:2.3 SCS II 6hr 10yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData ata\Local\Temp\ 6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\8d975a8e
Ptotal= 54.13 mm	Comments: SCS 6 HOUR TYPE II STORM DISTRIBUTION

Duration of storm = 6.00 hrs
 Mass curve time step = 30.00 min
 New Storm time step = 15.00 min

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	1.08	1.50	4.33	3.00	34.64	4.50	3.79
0.25	2.17	1.75	4.33	3.25	14.07	4.75	3.25
0.50	2.17	2.00	5.95	3.50	10.28	5.00	2.71
0.75	2.17	2.25	7.58	3.75	6.50	5.25	2.17
1.00	3.25	2.50	31.40	4.00	5.41	5.50	2.17
1.25	4.33	2.75	55.21	4.25	4.33	5.75	2.17

CALIB NASHYD (0003) ID= 1 DT= 1.0 min	Area (ha)= 19.20 Ia (mm)= 9.10 U.H. Tp(hrs)= 1.32	Curve Number (CN)= 55.0 # of Linear Res.(N)= 3.00

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.08	1.517	4.33	3.017	34.65	4.52	3.79
0.033	1.08	1.533	4.33	3.033	34.64	4.53	3.79
0.050	1.08	1.550	4.33	3.050	34.64	4.55	3.79
0.067	1.08	1.567	4.33	3.067	34.64	4.57	3.79
0.083	1.08	1.583	4.33	3.083	34.64	4.58	3.79
0.100	1.08	1.600	4.33	3.100	34.64	4.60	3.79
0.117	1.08	1.617	4.33	3.117	34.64	4.62	3.79
0.133	1.08	1.633	4.33	3.133	34.64	4.63	3.79
0.150	1.08	1.650	4.33	3.150	34.64	4.65	3.79
0.167	1.08	1.667	4.33	3.167	34.64	4.67	3.79
0.183	1.08	1.683	4.33	3.183	34.64	4.68	3.79
0.200	1.08	1.700	4.33	3.200	34.64	4.70	3.79
0.217	1.08	1.717	4.33	3.217	34.64	4.72	3.79
0.233	1.08	1.733	4.33	3.233	34.64	4.73	3.79
0.250	1.08	1.750	4.33	3.250	34.64	4.75	3.79
0.267	2.17	1.767	4.33	3.267	14.08	4.77	3.25
0.283	2.17	1.783	4.33	3.283	14.07	4.78	3.25
0.300	2.17	1.800	4.33	3.300	14.07	4.80	3.25
0.317	2.17	1.817	4.33	3.317	14.07	4.82	3.25
0.333	2.17	1.833	4.33	3.333	14.07	4.83	3.25
0.350	2.17	1.850	4.33	3.350	14.07	4.85	3.25
0.367	2.17	1.867	4.33	3.367	14.07	4.87	3.25
0.383	2.17	1.883	4.33	3.383	14.07	4.88	3.25
0.400	2.17	1.900	4.33	3.400	14.07	4.90	3.25
0.417	2.17	1.917	4.33	3.417	14.07	4.92	3.25
0.433	2.17	1.933	4.33	3.433	14.07	4.93	3.25
0.450	2.17	1.950	4.33	3.450	14.07	4.95	3.25
0.467	2.17	1.967	4.33	3.467	14.07	4.97	3.25
0.483	2.17	1.983	4.33	3.483	14.07	4.98	3.25
0.500	2.17	2.000	4.33	3.500	14.07	5.00	3.25
0.517	2.17	2.017	5.95	3.517	10.29	5.02	2.71
0.533	2.17	2.033	5.95	3.533	10.28	5.03	2.71
0.550	2.17	2.050	5.95	3.550	10.28	5.05	2.71
0.567	2.17	2.067	5.95	3.567	10.28	5.07	2.71
0.583	2.17	2.083	5.95	3.583	10.28	5.08	2.71
0.600	2.17	2.100	5.95	3.600	10.28	5.10	2.71

0.617	2.17	2.117	5.95	3.617	10.28	5.12	2.71
0.633	2.17	2.133	5.95	3.633	10.28	5.13	2.71
0.650	2.17	2.150	5.95	3.650	10.28	5.15	2.71
0.667	2.17	2.167	5.95	3.667	10.28	5.17	2.71
0.683	2.17	2.183	5.95	3.683	10.28	5.18	2.71
0.700	2.17	2.200	5.95	3.700	10.28	5.20	2.71
0.717	2.17	2.217	5.95	3.717	10.28	5.22	2.71
0.733	2.17	2.233	5.95	3.733	10.28	5.23	2.71
0.750	2.17	2.250	5.95	3.750	10.28	5.25	2.71
0.767	2.17	2.267	7.58	3.767	6.50	5.27	2.17
0.783	2.17	2.283	7.58	3.783	6.50	5.28	2.17
0.800	2.17	2.300	7.58	3.800	6.50	5.30	2.17
0.817	2.17	2.317	7.58	3.817	6.50	5.32	2.17
0.833	2.17	2.333	7.58	3.833	6.50	5.33	2.17
0.850	2.17	2.350	7.58	3.850	6.50	5.35	2.17
0.867	2.17	2.367	7.58	3.867	6.50	5.37	2.17
0.883	2.17	2.383	7.58	3.883	6.50	5.38	2.17
0.900	2.17	2.400	7.58	3.900	6.50	5.40	2.17
0.917	2.17	2.417	7.58	3.917	6.50	5.42	2.17
0.933	2.17	2.433	7.58	3.933	6.50	5.43	2.17
0.950	2.17	2.450	7.58	3.950	6.50	5.45	2.17
0.967	2.17	2.467	7.58	3.967	6.50	5.47	2.17
0.983	2.17	2.483	7.58	3.983	6.50	5.48	2.17
1.000	2.17	2.500	7.58	4.000	6.50	5.50	2.17
1.017	3.25	2.517	31.39	4.017	5.41	5.52	2.17
1.033	3.25	2.533	31.40	4.033	5.41	5.53	2.17
1.050	3.25	2.550	31.40	4.050	5.41	5.55	2.17
1.067	3.25	2.567	31.40	4.067	5.41	5.57	2.17
1.083	3.25	2.583	31.40	4.083	5.41	5.58	2.17
1.100	3.25	2.600	31.40	4.100	5.41	5.60	2.17
1.117	3.25	2.617	31.40	4.117	5.41	5.62	2.17
1.133	3.25	2.633	31.40	4.133	5.41	5.63	2.17
1.150	3.25	2.650	31.40	4.150	5.41	5.65	2.17
1.167	3.25	2.667	31.40	4.167	5.41	5.67	2.17
1.183	3.25	2.683	31.40	4.183	5.41	5.68	2.17
1.200	3.25	2.700	31.40	4.200	5.41	5.70	2.17
1.217	3.25	2.717	31.40	4.217	5.41	5.72	2.17
1.233	3.25	2.733	31.40	4.233	5.41	5.73	2.17
1.250	3.25	2.750	31.40	4.250	5.41	5.75	2.17
1.267	4.33	2.767	55.21	4.267	4.33	5.77	2.17
1.283	4.33	2.783	55.21	4.283	4.33	5.78	2.17
1.300	4.33	2.800	55.21	4.300	4.33	5.80	2.17
1.317	4.33	2.817	55.21	4.317	4.33	5.82	2.17
1.333	4.33	2.833	55.21	4.333	4.33	5.83	2.17
1.350	4.33	2.850	55.21	4.350	4.33	5.85	2.17
1.367	4.33	2.867	55.21	4.367	4.33	5.87	2.17
1.383	4.33	2.883	55.21	4.383	4.33	5.88	2.17
1.400	4.33	2.900	55.21	4.400	4.33	5.90	2.17
1.417	4.33	2.917	55.21	4.417	4.33	5.92	2.17
1.433	4.33	2.933	55.21	4.433	4.33	5.93	2.17
1.450	4.33	2.950	55.21	4.450	4.33	5.95	2.17
1.467	4.33	2.967	55.21	4.467	4.33	5.97	2.17
1.483	4.33	2.983	55.21	4.483	4.33	5.98	2.17
1.500	4.33	3.000	55.21	4.500	4.33	6.00	2.16

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.129 (i)
TIME TO PEAK (hrs)= 4.800
RUNOFF VOLUME (mm)= 7.932
TOTAL RAINFALL (mm)= 53.859
RUNOFF COEFFICIENT = 0.147

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
STANDHYD (0001)	Area (ha)= 1.18		
ID= 1 DT= 1.0 min	Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00	

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.26	0.92
Dep. Storage	(mm)=	2.00	5.00
Average slope	(%)=	1.00	2.00
Length	(m)=	88.84	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr

0.017	1.08	1.517	4.33	3.017	34.65	4.52	3.79
0.033	1.08	1.533	4.33	3.033	34.64	4.53	3.79
0.050	1.08	1.550	4.33	3.050	34.64	4.55	3.79
0.067	1.08	1.567	4.33	3.067	34.64	4.57	3.79
0.083	1.08	1.583	4.33	3.083	34.64	4.58	3.79
0.100	1.08	1.600	4.33	3.100	34.64	4.60	3.79
0.117	1.08	1.617	4.33	3.117	34.64	4.62	3.79
0.133	1.08	1.633	4.33	3.133	34.64	4.63	3.79
0.150	1.08	1.650	4.33	3.150	34.64	4.65	3.79
0.167	1.08	1.667	4.33	3.167	34.64	4.67	3.79
0.183	1.08	1.683	4.33	3.183	34.64	4.68	3.79
0.200	1.08	1.700	4.33	3.200	34.64	4.70	3.79
0.217	1.08	1.717	4.33	3.217	34.64	4.72	3.79
0.233	1.08	1.733	4.33	3.233	34.64	4.73	3.79
0.250	1.08	1.750	4.33	3.250	34.64	4.75	3.79
0.267	2.17	1.767	4.33	3.267	14.08	4.77	3.25
0.283	2.17	1.783	4.33	3.283	14.07	4.78	3.25
0.300	2.17	1.800	4.33	3.300	14.07	4.80	3.25
0.317	2.17	1.817	4.33	3.317	14.07	4.82	3.25
0.333	2.17	1.833	4.33	3.333	14.07	4.83	3.25
0.350	2.17	1.850	4.33	3.350	14.07	4.85	3.25
0.367	2.17	1.867	4.33	3.367	14.07	4.87	3.25
0.383	2.17	1.883	4.33	3.383	14.07	4.88	3.25
0.400	2.17	1.900	4.33	3.400	14.07	4.90	3.25
0.417	2.17	1.917	4.33	3.417	14.07	4.92	3.25
0.433	2.17	1.933	4.33	3.433	14.07	4.93	3.25
0.450	2.17	1.950	4.33	3.450	14.07	4.95	3.25
0.467	2.17	1.967	4.33	3.467	14.07	4.97	3.25
0.483	2.17	1.983	4.33	3.483	14.07	4.98	3.25
0.500	2.17	2.000	4.33	3.500	14.07	5.00	3.25
0.517	2.17	2.017	5.95	3.517	10.29	5.02	2.71
0.533	2.17	2.033	5.95	3.533	10.28	5.03	2.71
0.550	2.17	2.050	5.95	3.550	10.28	5.05	2.71
0.567	2.17	2.067	5.95	3.567	10.28	5.07	2.71
0.583	2.17	2.083	5.95	3.583	10.28	5.08	2.71
0.600	2.17	2.100	5.95	3.600	10.28	5.10	2.71
0.617	2.17	2.117	5.95	3.617	10.28	5.12	2.71
0.633	2.17	2.133	5.95	3.633	10.28	5.13	2.71
0.650	2.17	2.150	5.95	3.650	10.28	5.15	2.71
0.667	2.17	2.167	5.95	3.667	10.28	5.17	2.71
0.683	2.17	2.183	5.95	3.683	10.28	5.18	2.71
0.700	2.17	2.200	5.95	3.700	10.28	5.20	2.71
0.717	2.17	2.217	5.95	3.717	10.28	5.22	2.71
0.733	2.17	2.233	5.95	3.733	10.28	5.23	2.71
0.750	2.17	2.250	5.95	3.750	10.28	5.25	2.71
0.767	2.17	2.267	7.58	3.767	6.50	5.27	2.17
0.783	2.17	2.283	7.58	3.783	6.50	5.28	2.17
0.800	2.17	2.300	7.58	3.800	6.50	5.30	2.17
0.817	2.17	2.317	7.58	3.817	6.50	5.32	2.17
0.833	2.17	2.333	7.58	3.833	6.50	5.33	2.17
0.850	2.17	2.350	7.58	3.850	6.50	5.35	2.17
0.867	2.17	2.367	7.58	3.867	6.50	5.37	2.17
0.883	2.17	2.383	7.58	3.883	6.50	5.38	2.17
0.900	2.17	2.400	7.58	3.900	6.50	5.40	2.17
0.917	2.17	2.417	7.58	3.917	6.50	5.42	2.17
0.933	2.17	2.433	7.58	3.933	6.50	5.43	2.17
0.950	2.17	2.450	7.58	3.950	6.50	5.45	2.17
0.967	2.17	2.467	7.58	3.967	6.50	5.47	2.17
0.983	2.17	2.483	7.58	3.983	6.50	5.48	2.17
1.000	2.17	2.500	7.58	4.000	6.50	5.50	2.17
1.017	3.25	2.517	31.39	4.017	5.41	5.52	2.17
1.033	3.25	2.533	31.40	4.033	5.41	5.53	2.17
1.050	3.25	2.550	31.40	4.050	5.41	5.55	2.17
1.067	3.25	2.567	31.40	4.067	5.41	5.57	2.17
1.083	3.25	2.583	31.40	4.083	5.41	5.58	2.17
1.100	3.25	2.600	31.40	4.100	5.41	5.60	2.17
1.117	3.25	2.617	31.40	4.117	5.41	5.62	2.17
1.133	3.25	2.633	31.40	4.133	5.41	5.63	2.17
1.150	3.25	2.650	31.40	4.150	5.41	5.65	2.17
1.167	3.25	2.667	31.40	4.167	5.41	5.67	2.17
1.183	3.25	2.683	31.40	4.183	5.41	5.68	2.17
1.200	3.25	2.700	31.40	4.200	5.41	5.70	2.17
1.217	3.25	2.717	31.40	4.217	5.41	5.72	2.17
1.233	3.25	2.733	31.40	4.233	5.41	5.73	2.17
1.250	3.25	2.750	31.40	4.250	5.41	5.75	2.17
1.267	4.33	2.767	55.21	4.267	4.33	5.77	2.17
1.283	4.33	2.783	55.21	4.283	4.33	5.78	2.17
1.300	4.33	2.800	55.21	4.300	4.33	5.80	2.17
1.317	4.33	2.817	55.21	4.317	4.33	5.82	2.17
1.333	4.33	2.833	55.21	4.333	4.33	5.83	2.17
1.350	4.33	2.850	55.21	4.350	4.33	5.85	2.17
1.367	4.33	2.867	55.21	4.367	4.33	5.87	2.17
1.383	4.33	2.883	55.21	4.383	4.33	5.88	2.17
1.400	4.33	2.900	55.21	4.400	4.33	5.90	2.17

1.417	4.33	2.917	55.21	4.417	4.33	5.92	2.17
1.433	4.33	2.933	55.21	4.433	4.33	5.93	2.17
1.450	4.33	2.950	55.21	4.450	4.33	5.95	2.17
1.467	4.33	2.967	55.21	4.467	4.33	5.97	2.17
1.483	4.33	2.983	55.21	4.483	4.33	5.98	2.17
1.500	4.33	3.000	55.21	4.500	4.33	6.00	2.16

Max.Eff.Inten.(mm/hr)= 55.21 8.62
over (min) 5.00 22.00
Storage Coeff. (min)= 3.02 (ii) 21.83 (ii)
Unit Hyd. Tpeak (min)= 5.00 22.00
Unit Hyd. peak (cms)= 0.31 0.05

TOTALS

PEAK FLOW (cms)= 0.04 0.02 0.045 (iii)
TIME TO PEAK (hrs)= 3.00 3.47 3.02
RUNOFF VOLUME (mm)= 51.86 9.00 18.42
TOTAL RAINFALL (mm)= 53.86 53.86 53.86
RUNOFF COEFFICIENT = 0.96 0.17 0.34

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0001):	1.18	0.045	3.02	18.42
+ ID2= 2 (0003):	19.20	0.129	4.80	7.93
=====				
ID = 3 (0005):	20.39	0.136	4.75	8.54

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:2.4 SCS II 6hr 25yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData
	ata\Local\Temp\
	6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\8e8ed2d5
Ptotal= 63.21 mm	Comments: SCS 6 HOUR TYPE II STORM DISTRIBUTION

Duration of storm = 6.00 hrs
Mass curve time step = 30.00 min
New Storm time step = 15.00 min

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	1.26	1.50	5.06	3.00	40.45	4.50	4.42
0.25	2.53	1.75	5.06	3.25	16.43	4.75	3.79
0.50	2.53	2.00	6.95	3.50	12.01	5.00	3.16
0.75	2.53	2.25	8.85	3.75	7.59	5.25	2.53
1.00	3.79	2.50	36.66	4.00	6.32	5.50	2.53
1.25	5.06	2.75	64.47	4.25	5.06	5.75	2.53

CALIB			
NASHYD (0003)	Area (ha)= 19.20	Curve Number (CN)= 55.0	
ID= 1 DT= 1.0 min	Ia (mm)= 9.10	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 1.32		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.26	1.517	5.06	3.017	40.46	4.52	4.42
0.033	1.26	1.533	5.06	3.033	40.45	4.53	4.42
0.050	1.26	1.550	5.06	3.050	40.45	4.55	4.42
0.067	1.26	1.567	5.06	3.067	40.45	4.57	4.42
0.083	1.26	1.583	5.06	3.083	40.45	4.58	4.42
0.100	1.26	1.600	5.06	3.100	40.45	4.60	4.42
0.117	1.26	1.617	5.06	3.117	40.45	4.62	4.42
0.133	1.26	1.633	5.06	3.133	40.45	4.63	4.42
0.150	1.26	1.650	5.06	3.150	40.45	4.65	4.42

0.167	1.26	1.667	5.06	3.167	40.45	4.67	4.42
0.183	1.26	1.683	5.06	3.183	40.45	4.68	4.42
0.200	1.26	1.700	5.06	3.200	40.45	4.70	4.42
0.217	1.26	1.717	5.06	3.217	40.45	4.72	4.42
0.233	1.26	1.733	5.06	3.233	40.45	4.73	4.42
0.250	1.26	1.750	5.06	3.250	40.45	4.75	4.42
0.267	2.53	1.767	5.06	3.267	16.44	4.77	3.79
0.283	2.53	1.783	5.06	3.283	16.43	4.78	3.79
0.300	2.53	1.800	5.06	3.300	16.43	4.80	3.79
0.317	2.53	1.817	5.06	3.317	16.43	4.82	3.79
0.333	2.53	1.833	5.06	3.333	16.43	4.83	3.79
0.350	2.53	1.850	5.06	3.350	16.43	4.85	3.79
0.367	2.53	1.867	5.06	3.367	16.43	4.87	3.79
0.383	2.53	1.883	5.06	3.383	16.43	4.88	3.79
0.400	2.53	1.900	5.06	3.400	16.43	4.90	3.79
0.417	2.53	1.917	5.06	3.417	16.43	4.92	3.79
0.433	2.53	1.933	5.06	3.433	16.43	4.93	3.79
0.450	2.53	1.950	5.06	3.450	16.43	4.95	3.79
0.467	2.53	1.967	5.06	3.467	16.43	4.97	3.79
0.483	2.53	1.983	5.06	3.483	16.43	4.98	3.79
0.500	2.53	2.000	5.06	3.500	16.43	5.00	3.79
0.517	2.53	2.017	6.95	3.517	12.01	5.02	3.16
0.533	2.53	2.033	6.95	3.533	12.01	5.03	3.16
0.550	2.53	2.050	6.95	3.550	12.01	5.05	3.16
0.567	2.53	2.067	6.95	3.567	12.01	5.07	3.16
0.583	2.53	2.083	6.95	3.583	12.01	5.08	3.16
0.600	2.53	2.100	6.95	3.600	12.01	5.10	3.16
0.617	2.53	2.117	6.95	3.617	12.01	5.12	3.16
0.633	2.53	2.133	6.95	3.633	12.01	5.13	3.16
0.650	2.53	2.150	6.95	3.650	12.01	5.15	3.16
0.667	2.53	2.167	6.95	3.667	12.01	5.17	3.16
0.683	2.53	2.183	6.95	3.683	12.01	5.18	3.16
0.700	2.53	2.200	6.95	3.700	12.01	5.20	3.16
0.717	2.53	2.217	6.95	3.717	12.01	5.22	3.16
0.733	2.53	2.233	6.95	3.733	12.01	5.23	3.16
0.750	2.53	2.250	6.95	3.750	12.01	5.25	3.16
0.767	2.53	2.267	8.85	3.767	7.59	5.27	2.53
0.783	2.53	2.283	8.85	3.783	7.59	5.28	2.53
0.800	2.53	2.300	8.85	3.800	7.59	5.30	2.53
0.817	2.53	2.317	8.85	3.817	7.59	5.32	2.53
0.833	2.53	2.333	8.85	3.833	7.59	5.33	2.53
0.850	2.53	2.350	8.85	3.850	7.59	5.35	2.53
0.867	2.53	2.367	8.85	3.867	7.59	5.37	2.53
0.883	2.53	2.383	8.85	3.883	7.59	5.38	2.53
0.900	2.53	2.400	8.85	3.900	7.59	5.40	2.53
0.917	2.53	2.417	8.85	3.917	7.59	5.42	2.53
0.933	2.53	2.433	8.85	3.933	7.59	5.43	2.53
0.950	2.53	2.450	8.85	3.950	7.59	5.45	2.53
0.967	2.53	2.467	8.85	3.967	7.59	5.47	2.53
0.983	2.53	2.483	8.85	3.983	7.59	5.48	2.53
1.000	2.53	2.500	8.85	4.000	7.59	5.50	2.53
1.017	3.79	2.517	36.66	4.017	6.32	5.52	2.53
1.033	3.79	2.533	36.66	4.033	6.32	5.53	2.53
1.050	3.79	2.550	36.66	4.050	6.32	5.55	2.53
1.067	3.79	2.567	36.66	4.067	6.32	5.57	2.53
1.083	3.79	2.583	36.66	4.083	6.32	5.58	2.53
1.100	3.79	2.600	36.66	4.100	6.32	5.60	2.53
1.117	3.79	2.617	36.66	4.117	6.32	5.62	2.53
1.133	3.79	2.633	36.66	4.133	6.32	5.63	2.53
1.150	3.79	2.650	36.66	4.150	6.32	5.65	2.53
1.167	3.79	2.667	36.66	4.167	6.32	5.67	2.53
1.183	3.79	2.683	36.66	4.183	6.32	5.68	2.53
1.200	3.79	2.700	36.66	4.200	6.32	5.70	2.53
1.217	3.79	2.717	36.66	4.217	6.32	5.72	2.53
1.233	3.79	2.733	36.66	4.233	6.32	5.73	2.53
1.250	3.79	2.750	36.66	4.250	6.32	5.75	2.53
1.267	5.06	2.767	64.47	4.267	5.06	5.77	2.53
1.283	5.06	2.783	64.47	4.283	5.06	5.78	2.53
1.300	5.06	2.800	64.47	4.300	5.06	5.80	2.53
1.317	5.06	2.817	64.47	4.317	5.06	5.82	2.53
1.333	5.06	2.833	64.47	4.333	5.06	5.83	2.53
1.350	5.06	2.850	64.47	4.350	5.06	5.85	2.53
1.367	5.06	2.867	64.47	4.367	5.06	5.87	2.53
1.383	5.06	2.883	64.47	4.383	5.06	5.88	2.53
1.400	5.06	2.900	64.47	4.400	5.06	5.90	2.53
1.417	5.06	2.917	64.47	4.417	5.06	5.92	2.53
1.433	5.06	2.933	64.47	4.433	5.06	5.93	2.53
1.450	5.06	2.950	64.47	4.450	5.06	5.95	2.53
1.467	5.06	2.967	64.47	4.467	5.06	5.97	2.53
1.483	5.06	2.983	64.47	4.483	5.06	5.98	2.53
1.500	5.06	3.000	64.47	4.500	5.06	6.00	2.52

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.180 (i)
 TIME TO PEAK (hrs)= 4.767
 RUNOFF VOLUME (mm)= 11.061
 TOTAL RAINFALL (mm)= 62.894
 RUNOFF COEFFICIENT = 0.176

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
 STANDHYD (0001)
 ID= 1 DT= 1.0 min

Area (ha)= 1.18
 Total Imp(%)= 22.00 Dir. Conn.(%)= 22.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.26	1.517	5.06	3.017	40.46	4.52	4.42
0.033	1.26	1.533	5.06	3.033	40.45	4.53	4.42
0.050	1.26	1.550	5.06	3.050	40.45	4.55	4.42
0.067	1.26	1.567	5.06	3.067	40.45	4.57	4.42
0.083	1.26	1.583	5.06	3.083	40.45	4.58	4.42
0.100	1.26	1.600	5.06	3.100	40.45	4.60	4.42
0.117	1.26	1.617	5.06	3.117	40.45	4.62	4.42
0.133	1.26	1.633	5.06	3.133	40.45	4.63	4.42
0.150	1.26	1.650	5.06	3.150	40.45	4.65	4.42
0.167	1.26	1.667	5.06	3.167	40.45	4.67	4.42
0.183	1.26	1.683	5.06	3.183	40.45	4.68	4.42
0.200	1.26	1.700	5.06	3.200	40.45	4.70	4.42
0.217	1.26	1.717	5.06	3.217	40.45	4.72	4.42
0.233	1.26	1.733	5.06	3.233	40.45	4.73	4.42
0.250	1.26	1.750	5.06	3.250	40.45	4.75	4.42
0.267	2.53	1.767	5.06	3.267	16.44	4.77	3.79
0.283	2.53	1.783	5.06	3.283	16.43	4.78	3.79
0.300	2.53	1.800	5.06	3.300	16.43	4.80	3.79
0.317	2.53	1.817	5.06	3.317	16.43	4.82	3.79
0.333	2.53	1.833	5.06	3.333	16.43	4.83	3.79
0.350	2.53	1.850	5.06	3.350	16.43	4.85	3.79
0.367	2.53	1.867	5.06	3.367	16.43	4.87	3.79
0.383	2.53	1.883	5.06	3.383	16.43	4.88	3.79
0.400	2.53	1.900	5.06	3.400	16.43	4.90	3.79
0.417	2.53	1.917	5.06	3.417	16.43	4.92	3.79
0.433	2.53	1.933	5.06	3.433	16.43	4.93	3.79
0.450	2.53	1.950	5.06	3.450	16.43	4.95	3.79
0.467	2.53	1.967	5.06	3.467	16.43	4.97	3.79
0.483	2.53	1.983	5.06	3.483	16.43	4.98	3.79
0.500	2.53	2.000	5.06	3.500	16.43	5.00	3.79
0.517	2.53	2.017	6.95	3.517	12.01	5.02	3.16
0.533	2.53	2.033	6.95	3.533	12.01	5.03	3.16
0.550	2.53	2.050	6.95	3.550	12.01	5.05	3.16
0.567	2.53	2.067	6.95	3.567	12.01	5.07	3.16
0.583	2.53	2.083	6.95	3.583	12.01	5.08	3.16
0.600	2.53	2.100	6.95	3.600	12.01	5.10	3.16
0.617	2.53	2.117	6.95	3.617	12.01	5.12	3.16
0.633	2.53	2.133	6.95	3.633	12.01	5.13	3.16
0.650	2.53	2.150	6.95	3.650	12.01	5.15	3.16
0.667	2.53	2.167	6.95	3.667	12.01	5.17	3.16
0.683	2.53	2.183	6.95	3.683	12.01	5.18	3.16
0.700	2.53	2.200	6.95	3.700	12.01	5.20	3.16
0.717	2.53	2.217	6.95	3.717	12.01	5.22	3.16
0.733	2.53	2.233	6.95	3.733	12.01	5.23	3.16
0.750	2.53	2.250	6.95	3.750	12.01	5.25	3.16
0.767	2.53	2.267	8.85	3.767	7.59	5.27	2.53
0.783	2.53	2.283	8.85	3.783	7.59	5.28	2.53
0.800	2.53	2.300	8.85	3.800	7.59	5.30	2.53
0.817	2.53	2.317	8.85	3.817	7.59	5.32	2.53
0.833	2.53	2.333	8.85	3.833	7.59	5.33	2.53
0.850	2.53	2.350	8.85	3.850	7.59	5.35	2.53
0.867	2.53	2.367	8.85	3.867	7.59	5.37	2.53
0.883	2.53	2.383	8.85	3.883	7.59	5.38	2.53
0.900	2.53	2.400	8.85	3.900	7.59	5.40	2.53
0.917	2.53	2.417	8.85	3.917	7.59	5.42	2.53
0.933	2.53	2.433	8.85	3.933	7.59	5.43	2.53
0.950	2.53	2.450	8.85	3.950	7.59	5.45	2.53

0.967	2.53	2.467	8.85	3.967	7.59	5.47	2.53
0.983	2.53	2.483	8.85	3.983	7.59	5.48	2.53
1.000	2.53	2.500	8.85	4.000	7.59	5.50	2.53
1.017	3.79	2.517	36.66	4.017	6.32	5.52	2.53
1.033	3.79	2.533	36.66	4.033	6.32	5.53	2.53
1.050	3.79	2.550	36.66	4.050	6.32	5.55	2.53
1.067	3.79	2.567	36.66	4.067	6.32	5.57	2.53
1.083	3.79	2.583	36.66	4.083	6.32	5.58	2.53
1.100	3.79	2.600	36.66	4.100	6.32	5.60	2.53
1.117	3.79	2.617	36.66	4.117	6.32	5.62	2.53
1.133	3.79	2.633	36.66	4.133	6.32	5.63	2.53
1.150	3.79	2.650	36.66	4.150	6.32	5.65	2.53
1.167	3.79	2.667	36.66	4.167	6.32	5.67	2.53
1.183	3.79	2.683	36.66	4.183	6.32	5.68	2.53
1.200	3.79	2.700	36.66	4.200	6.32	5.70	2.53
1.217	3.79	2.717	36.66	4.217	6.32	5.72	2.53
1.233	3.79	2.733	36.66	4.233	6.32	5.73	2.53
1.250	3.79	2.750	36.66	4.250	6.32	5.75	2.53
1.267	5.06	2.767	64.47	4.267	5.06	5.77	2.53
1.283	5.06	2.783	64.47	4.283	5.06	5.78	2.53
1.300	5.06	2.800	64.47	4.300	5.06	5.80	2.53
1.317	5.06	2.817	64.47	4.317	5.06	5.82	2.53
1.333	5.06	2.833	64.47	4.333	5.06	5.83	2.53
1.350	5.06	2.850	64.47	4.350	5.06	5.85	2.53
1.367	5.06	2.867	64.47	4.367	5.06	5.87	2.53
1.383	5.06	2.883	64.47	4.383	5.06	5.88	2.53
1.400	5.06	2.900	64.47	4.400	5.06	5.90	2.53
1.417	5.06	2.917	64.47	4.417	5.06	5.92	2.53
1.433	5.06	2.933	64.47	4.433	5.06	5.93	2.53
1.450	5.06	2.950	64.47	4.450	5.06	5.95	2.53
1.467	5.06	2.967	64.47	4.467	5.06	5.97	2.53
1.483	5.06	2.983	64.47	4.483	5.06	5.98	2.53
1.500	5.06	3.000	64.47	4.500	5.06	6.00	2.52

Max.Eff.Inten.(mm/hr)= 64.47 11.81
over (min) 5.00 20.00
Storage Coeff. (min)= 2.84 (ii) 19.42 (ii)
Unit Hyd. Tpeak (min)= 5.00 20.00
Unit Hyd. peak (cms)= 0.32 0.06

TOTALS

PEAK FLOW (cms)= 0.05 0.02 0.056 (iii)
TIME TO PEAK (hrs)= 3.00 3.40 3.02
RUNOFF VOLUME (mm)= 60.89 12.22 22.92
TOTAL RAINFALL (mm)= 62.89 62.89 62.89
RUNOFF COEFFICIENT = 0.97 0.19 0.36

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)	AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0001):	1.18	0.056	3.02	22.92
+ ID2= 2 (0003):	19.20	0.180	4.77	11.06
=====	=====	=====	=====	=====
ID = 3 (0005):	20.39	0.189	4.72	11.75

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:2.5 SCS II 6hr 50yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData
	Local\Temp\
	6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\18df2be1
Ptotal= 69.98 mm	Comments: SCS 6 HOUR TYPE II STORM DISTRIBUTION

Duration of storm = 6.00 hrs
Mass curve time step = 30.00 min
New Storm time step = 15.00 min

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	1.40	1.50	5.60	3.00	44.79	4.50	4.90
0.25	2.80	1.75	5.60	3.25	18.19	4.75	4.20

0.50	2.80	2.00	7.70	3.50	13.30	5.00	3.50
0.75	2.80	2.25	9.80	3.75	8.40	5.25	2.80
1.00	4.20	2.50	40.59	4.00	7.00	5.50	2.80
1.25	5.60	2.75	71.38	4.25	5.60	5.75	2.80

CALIB							
NASHYD	(0003)	Area	(ha)= 19.20	Curve Number	(CN)= 55.0		
ID= 1	DT= 1.0 min	Ia	(mm)= 9.10	# of Linear Res.(N)= 3.00			
		U.H. Tp(hrs)=	1.32				

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.40	1.517	5.60	3.017	44.79	4.52	4.90
0.033	1.40	1.533	5.60	3.033	44.79	4.53	4.90
0.050	1.40	1.550	5.60	3.050	44.79	4.55	4.90
0.067	1.40	1.567	5.60	3.067	44.79	4.57	4.90
0.083	1.40	1.583	5.60	3.083	44.79	4.58	4.90
0.100	1.40	1.600	5.60	3.100	44.79	4.60	4.90
0.117	1.40	1.617	5.60	3.117	44.79	4.62	4.90
0.133	1.40	1.633	5.60	3.133	44.79	4.63	4.90
0.150	1.40	1.650	5.60	3.150	44.79	4.65	4.90
0.167	1.40	1.667	5.60	3.167	44.79	4.67	4.90
0.183	1.40	1.683	5.60	3.183	44.79	4.68	4.90
0.200	1.40	1.700	5.60	3.200	44.79	4.70	4.90
0.217	1.40	1.717	5.60	3.217	44.79	4.72	4.90
0.233	1.40	1.733	5.60	3.233	44.79	4.73	4.90
0.250	1.40	1.750	5.60	3.250	44.79	4.75	4.90
0.267	2.80	1.767	5.60	3.267	18.20	4.77	4.20
0.283	2.80	1.783	5.60	3.283	18.19	4.78	4.20
0.300	2.80	1.800	5.60	3.300	18.19	4.80	4.20
0.317	2.80	1.817	5.60	3.317	18.19	4.82	4.20
0.333	2.80	1.833	5.60	3.333	18.19	4.83	4.20
0.350	2.80	1.850	5.60	3.350	18.19	4.85	4.20
0.367	2.80	1.867	5.60	3.367	18.19	4.87	4.20
0.383	2.80	1.883	5.60	3.383	18.19	4.88	4.20
0.400	2.80	1.900	5.60	3.400	18.19	4.90	4.20
0.417	2.80	1.917	5.60	3.417	18.19	4.92	4.20
0.433	2.80	1.933	5.60	3.433	18.19	4.93	4.20
0.450	2.80	1.950	5.60	3.450	18.19	4.95	4.20
0.467	2.80	1.967	5.60	3.467	18.19	4.97	4.20
0.483	2.80	1.983	5.60	3.483	18.19	4.98	4.20
0.500	2.80	2.000	5.60	3.500	18.19	5.00	4.20
0.517	2.80	2.017	7.70	3.517	13.30	5.02	3.50
0.533	2.80	2.033	7.70	3.533	13.30	5.03	3.50
0.550	2.80	2.050	7.70	3.550	13.30	5.05	3.50
0.567	2.80	2.067	7.70	3.567	13.30	5.07	3.50
0.583	2.80	2.083	7.70	3.583	13.30	5.08	3.50
0.600	2.80	2.100	7.70	3.600	13.30	5.10	3.50
0.617	2.80	2.117	7.70	3.617	13.30	5.12	3.50
0.633	2.80	2.133	7.70	3.633	13.30	5.13	3.50
0.650	2.80	2.150	7.70	3.650	13.30	5.15	3.50
0.667	2.80	2.167	7.70	3.667	13.30	5.17	3.50
0.683	2.80	2.183	7.70	3.683	13.30	5.18	3.50
0.700	2.80	2.200	7.70	3.700	13.30	5.20	3.50
0.717	2.80	2.217	7.70	3.717	13.30	5.22	3.50
0.733	2.80	2.233	7.70	3.733	13.30	5.23	3.50
0.750	2.80	2.250	7.70	3.750	13.30	5.25	3.50
0.767	2.80	2.267	9.80	3.767	8.40	5.27	2.80
0.783	2.80	2.283	9.80	3.783	8.40	5.28	2.80
0.800	2.80	2.300	9.80	3.800	8.40	5.30	2.80
0.817	2.80	2.317	9.80	3.817	8.40	5.32	2.80
0.833	2.80	2.333	9.80	3.833	8.40	5.33	2.80
0.850	2.80	2.350	9.80	3.850	8.40	5.35	2.80
0.867	2.80	2.367	9.80	3.867	8.40	5.37	2.80
0.883	2.80	2.383	9.80	3.883	8.40	5.38	2.80
0.900	2.80	2.400	9.80	3.900	8.40	5.40	2.80
0.917	2.80	2.417	9.80	3.917	8.40	5.42	2.80
0.933	2.80	2.433	9.80	3.933	8.40	5.43	2.80
0.950	2.80	2.450	9.80	3.950	8.40	5.45	2.80
0.967	2.80	2.467	9.80	3.967	8.40	5.47	2.80
0.983	2.80	2.483	9.80	3.983	8.40	5.48	2.80
1.000	2.80	2.500	9.80	4.000	8.40	5.50	2.80
1.017	4.20	2.517	40.59	4.017	7.00	5.52	2.80
1.033	4.20	2.533	40.59	4.033	7.00	5.53	2.80
1.050	4.20	2.550	40.59	4.050	7.00	5.55	2.80
1.067	4.20	2.567	40.59	4.067	7.00	5.57	2.80
1.083	4.20	2.583	40.59	4.083	7.00	5.58	2.80
1.100	4.20	2.600	40.59	4.100	7.00	5.60	2.80

1.117	4.20	2.617	40.59	4.117	7.00	5.62	2.80
1.133	4.20	2.633	40.59	4.133	7.00	5.63	2.80
1.150	4.20	2.650	40.59	4.150	7.00	5.65	2.80
1.167	4.20	2.667	40.59	4.167	7.00	5.67	2.80
1.183	4.20	2.683	40.59	4.183	7.00	5.68	2.80
1.200	4.20	2.700	40.59	4.200	7.00	5.70	2.80
1.217	4.20	2.717	40.59	4.217	7.00	5.72	2.80
1.233	4.20	2.733	40.59	4.233	7.00	5.73	2.80
1.250	4.20	2.750	40.59	4.250	7.00	5.75	2.80
1.267	5.60	2.767	71.38	4.267	5.60	5.77	2.80
1.283	5.60	2.783	71.38	4.283	5.60	5.78	2.80
1.300	5.60	2.800	71.38	4.300	5.60	5.80	2.80
1.317	5.60	2.817	71.38	4.317	5.60	5.82	2.80
1.333	5.60	2.833	71.38	4.333	5.60	5.83	2.80
1.350	5.60	2.850	71.38	4.350	5.60	5.85	2.80
1.367	5.60	2.867	71.38	4.367	5.60	5.87	2.80
1.383	5.60	2.883	71.38	4.383	5.60	5.88	2.80
1.400	5.60	2.900	71.38	4.400	5.60	5.90	2.80
1.417	5.60	2.917	71.38	4.417	5.60	5.92	2.80
1.433	5.60	2.933	71.38	4.433	5.60	5.93	2.80
1.450	5.60	2.950	71.38	4.450	5.60	5.95	2.80
1.467	5.60	2.967	71.38	4.467	5.60	5.97	2.80
1.483	5.60	2.983	71.38	4.483	5.60	5.98	2.80
1.500	5.60	3.000	71.38	4.500	5.60	6.00	2.80

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.223 (i)
TIME TO PEAK (hrs)= 4.750
RUNOFF VOLUME (mm)= 13.654
TOTAL RAINFALL (mm)= 69.630
RUNOFF COEFFICIENT = 0.196

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB STANDHYD (0001) ID= 1 DT= 1.0 min	Area (ha)= 1.18 Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.40	1.517	5.60	3.017	44.79	4.52	4.90
0.033	1.40	1.533	5.60	3.033	44.79	4.53	4.90
0.050	1.40	1.550	5.60	3.050	44.79	4.55	4.90
0.067	1.40	1.567	5.60	3.067	44.79	4.57	4.90
0.083	1.40	1.583	5.60	3.083	44.79	4.58	4.90
0.100	1.40	1.600	5.60	3.100	44.79	4.60	4.90
0.117	1.40	1.617	5.60	3.117	44.79	4.62	4.90
0.133	1.40	1.633	5.60	3.133	44.79	4.63	4.90
0.150	1.40	1.650	5.60	3.150	44.79	4.65	4.90
0.167	1.40	1.667	5.60	3.167	44.79	4.67	4.90
0.183	1.40	1.683	5.60	3.183	44.79	4.68	4.90
0.200	1.40	1.700	5.60	3.200	44.79	4.70	4.90
0.217	1.40	1.717	5.60	3.217	44.79	4.72	4.90
0.233	1.40	1.733	5.60	3.233	44.79	4.73	4.90
0.250	1.40	1.750	5.60	3.250	44.79	4.75	4.90
0.267	2.80	1.767	5.60	3.267	18.20	4.77	4.20
0.283	2.80	1.783	5.60	3.283	18.19	4.78	4.20
0.300	2.80	1.800	5.60	3.300	18.19	4.80	4.20
0.317	2.80	1.817	5.60	3.317	18.19	4.82	4.20
0.333	2.80	1.833	5.60	3.333	18.19	4.83	4.20
0.350	2.80	1.850	5.60	3.350	18.19	4.85	4.20
0.367	2.80	1.867	5.60	3.367	18.19	4.87	4.20
0.383	2.80	1.883	5.60	3.383	18.19	4.88	4.20
0.400	2.80	1.900	5.60	3.400	18.19	4.90	4.20
0.417	2.80	1.917	5.60	3.417	18.19	4.92	4.20
0.433	2.80	1.933	5.60	3.433	18.19	4.93	4.20
0.450	2.80	1.950	5.60	3.450	18.19	4.95	4.20
0.467	2.80	1.967	5.60	3.467	18.19	4.97	4.20
0.483	2.80	1.983	5.60	3.483	18.19	4.98	4.20
0.500	2.80	2.000	5.60	3.500	18.19	5.00	4.20

0.517	2.80	2.017	7.70	3.517	13.30	5.02	3.50
0.533	2.80	2.033	7.70	3.533	13.30	5.03	3.50
0.550	2.80	2.050	7.70	3.550	13.30	5.05	3.50
0.567	2.80	2.067	7.70	3.567	13.30	5.07	3.50
0.583	2.80	2.083	7.70	3.583	13.30	5.08	3.50
0.600	2.80	2.100	7.70	3.600	13.30	5.10	3.50
0.617	2.80	2.117	7.70	3.617	13.30	5.12	3.50
0.633	2.80	2.133	7.70	3.633	13.30	5.13	3.50
0.650	2.80	2.150	7.70	3.650	13.30	5.15	3.50
0.667	2.80	2.167	7.70	3.667	13.30	5.17	3.50
0.683	2.80	2.183	7.70	3.683	13.30	5.18	3.50
0.700	2.80	2.200	7.70	3.700	13.30	5.20	3.50
0.717	2.80	2.217	7.70	3.717	13.30	5.22	3.50
0.733	2.80	2.233	7.70	3.733	13.30	5.23	3.50
0.750	2.80	2.250	7.70	3.750	13.30	5.25	3.50
0.767	2.80	2.267	9.80	3.767	8.40	5.27	2.80
0.783	2.80	2.283	9.80	3.783	8.40	5.28	2.80
0.800	2.80	2.300	9.80	3.800	8.40	5.30	2.80
0.817	2.80	2.317	9.80	3.817	8.40	5.32	2.80
0.833	2.80	2.333	9.80	3.833	8.40	5.33	2.80
0.850	2.80	2.350	9.80	3.850	8.40	5.35	2.80
0.867	2.80	2.367	9.80	3.867	8.40	5.37	2.80
0.883	2.80	2.383	9.80	3.883	8.40	5.38	2.80
0.900	2.80	2.400	9.80	3.900	8.40	5.40	2.80
0.917	2.80	2.417	9.80	3.917	8.40	5.42	2.80
0.933	2.80	2.433	9.80	3.933	8.40	5.43	2.80
0.950	2.80	2.450	9.80	3.950	8.40	5.45	2.80
0.967	2.80	2.467	9.80	3.967	8.40	5.47	2.80
0.983	2.80	2.483	9.80	3.983	8.40	5.48	2.80
1.000	2.80	2.500	9.80	4.000	8.40	5.50	2.80
1.017	4.20	2.517	40.59	4.017	7.00	5.52	2.80
1.033	4.20	2.533	40.59	4.033	7.00	5.53	2.80
1.050	4.20	2.550	40.59	4.050	7.00	5.55	2.80
1.067	4.20	2.567	40.59	4.067	7.00	5.57	2.80
1.083	4.20	2.583	40.59	4.083	7.00	5.58	2.80
1.100	4.20	2.600	40.59	4.100	7.00	5.60	2.80
1.117	4.20	2.617	40.59	4.117	7.00	5.62	2.80
1.133	4.20	2.633	40.59	4.133	7.00	5.63	2.80
1.150	4.20	2.650	40.59	4.150	7.00	5.65	2.80
1.167	4.20	2.667	40.59	4.167	7.00	5.67	2.80
1.183	4.20	2.683	40.59	4.183	7.00	5.68	2.80
1.200	4.20	2.700	40.59	4.200	7.00	5.70	2.80
1.217	4.20	2.717	40.59	4.217	7.00	5.72	2.80
1.233	4.20	2.733	40.59	4.233	7.00	5.73	2.80
1.250	4.20	2.750	40.59	4.250	7.00	5.75	2.80
1.267	5.60	2.767	71.38	4.267	5.60	5.77	2.80
1.283	5.60	2.783	71.38	4.283	5.60	5.78	2.80
1.300	5.60	2.800	71.38	4.300	5.60	5.80	2.80
1.317	5.60	2.817	71.38	4.317	5.60	5.82	2.80
1.333	5.60	2.833	71.38	4.333	5.60	5.83	2.80
1.350	5.60	2.850	71.38	4.350	5.60	5.85	2.80
1.367	5.60	2.867	71.38	4.367	5.60	5.87	2.80
1.383	5.60	2.883	71.38	4.383	5.60	5.88	2.80
1.400	5.60	2.900	71.38	4.400	5.60	5.90	2.80
1.417	5.60	2.917	71.38	4.417	5.60	5.92	2.80
1.433	5.60	2.933	71.38	4.433	5.60	5.93	2.80
1.450	5.60	2.950	71.38	4.450	5.60	5.95	2.80
1.467	5.60	2.967	71.38	4.467	5.60	5.97	2.80
1.483	5.60	2.983	71.38	4.483	5.60	5.98	2.80
1.500	5.60	3.000	71.38	4.500	5.60	6.00	2.80

Max.Eff.Inten.(mm/hr)=	71.38	14.52	
over (min)	5.00	18.00	
Storage Coeff. (min)=	2.72 (ii)	17.99 (ii)	
Unit Hyd. Tpeak (min)=	5.00	18.00	
Unit Hyd. peak (cms)=	0.32	0.06	
			TOTALS
PEAK FLOW (cms)=	0.05	0.03	0.065 (iii)
TIME TO PEAK (hrs)=	3.00	3.37	3.02
RUNOFF VOLUME (mm)=	67.63	14.86	26.46
TOTAL RAINFALL (mm)=	69.63	69.63	69.63
RUNOFF COEFFICIENT =	0.97	0.21	0.38

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

1 + 2 = 3	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0001):	1.18	0.065	3.02	26.46
+ ID2= 2 (0003):	19.20	0.223	4.75	13.65
=====				
ID = 3 (0005):	20.39	0.233	4.70	14.40

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:2.6 SCS II 6hr 100yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData ata\Local\Temp\ 6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\6b2a3b2b
Ptotal= 76.57 mm	Comments: SCS 6 HOUR TYPE II STORM DISTRIBUTION

Duration of storm = 6.00 hrs
 Mass curve time step = 30.00 min
 New Storm time step = 15.00 min

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	1.53	1.50	6.13	3.00	49.00	4.50	5.36
0.25	3.06	1.75	6.13	3.25	19.91	4.75	4.59
0.50	3.06	2.00	8.42	3.50	14.55	5.00	3.83
0.75	3.06	2.25	10.72	3.75	9.19	5.25	3.06
1.00	4.59	2.50	44.41	4.00	7.66	5.50	3.06
1.25	6.13	2.75	78.10	4.25	6.13	5.75	3.06

CALIB	Area (ha)= 19.20	Curve Number (CN)= 55.0
NASHYD (0003)	Ia (mm)= 9.10	# of Linear Res.(N)= 3.00
ID= 1 DT= 1.0 min	U.H. Tp(hrs)= 1.32	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.53	1.517	6.13	3.017	49.01	4.52	5.36
0.033	1.53	1.533	6.13	3.033	49.00	4.53	5.36
0.050	1.53	1.550	6.13	3.050	49.00	4.55	5.36
0.067	1.53	1.567	6.13	3.067	49.00	4.57	5.36
0.083	1.53	1.583	6.13	3.083	49.00	4.58	5.36
0.100	1.53	1.600	6.13	3.100	49.00	4.60	5.36
0.117	1.53	1.617	6.13	3.117	49.00	4.62	5.36
0.133	1.53	1.633	6.13	3.133	49.00	4.63	5.36
0.150	1.53	1.650	6.13	3.150	49.00	4.65	5.36
0.167	1.53	1.667	6.13	3.167	49.00	4.67	5.36
0.183	1.53	1.683	6.13	3.183	49.00	4.68	5.36
0.200	1.53	1.700	6.13	3.200	49.00	4.70	5.36
0.217	1.53	1.717	6.13	3.217	49.00	4.72	5.36
0.233	1.53	1.733	6.13	3.233	49.00	4.73	5.36
0.250	1.53	1.750	6.13	3.250	49.00	4.75	5.36
0.267	3.06	1.767	6.13	3.267	19.91	4.77	4.59
0.283	3.06	1.783	6.13	3.283	19.91	4.78	4.59
0.300	3.06	1.800	6.13	3.300	19.91	4.80	4.59
0.317	3.06	1.817	6.13	3.317	19.91	4.82	4.59
0.333	3.06	1.833	6.13	3.333	19.91	4.83	4.59
0.350	3.06	1.850	6.13	3.350	19.91	4.85	4.59
0.367	3.06	1.867	6.13	3.367	19.91	4.87	4.59
0.383	3.06	1.883	6.13	3.383	19.91	4.88	4.59
0.400	3.06	1.900	6.13	3.400	19.91	4.90	4.59
0.417	3.06	1.917	6.13	3.417	19.91	4.92	4.59
0.433	3.06	1.933	6.13	3.433	19.91	4.93	4.59
0.450	3.06	1.950	6.13	3.450	19.91	4.95	4.59
0.467	3.06	1.967	6.13	3.467	19.91	4.97	4.59
0.483	3.06	1.983	6.13	3.483	19.91	4.98	4.59
0.500	3.06	2.000	6.13	3.500	19.91	5.00	4.59
0.517	3.06	2.017	8.42	3.517	14.55	5.02	3.83
0.533	3.06	2.033	8.42	3.533	14.55	5.03	3.83
0.550	3.06	2.050	8.42	3.550	14.55	5.05	3.83
0.567	3.06	2.067	8.42	3.567	14.55	5.07	3.83
0.583	3.06	2.083	8.42	3.583	14.55	5.08	3.83
0.600	3.06	2.100	8.42	3.600	14.55	5.10	3.83
0.617	3.06	2.117	8.42	3.617	14.55	5.12	3.83
0.633	3.06	2.133	8.42	3.633	14.55	5.13	3.83
0.650	3.06	2.150	8.42	3.650	14.55	5.15	3.83

0.667	3.06	2.167	8.42	3.667	14.55	5.17	3.83
0.683	3.06	2.183	8.42	3.683	14.55	5.18	3.83
0.700	3.06	2.200	8.42	3.700	14.55	5.20	3.83
0.717	3.06	2.217	8.42	3.717	14.55	5.22	3.83
0.733	3.06	2.233	8.42	3.733	14.55	5.23	3.83
0.750	3.06	2.250	8.42	3.750	14.55	5.25	3.83
0.767	3.06	2.267	10.72	3.767	9.19	5.27	3.06
0.783	3.06	2.283	10.72	3.783	9.19	5.28	3.06
0.800	3.06	2.300	10.72	3.800	9.19	5.30	3.06
0.817	3.06	2.317	10.72	3.817	9.19	5.32	3.06
0.833	3.06	2.333	10.72	3.833	9.19	5.33	3.06
0.850	3.06	2.350	10.72	3.850	9.19	5.35	3.06
0.867	3.06	2.367	10.72	3.867	9.19	5.37	3.06
0.883	3.06	2.383	10.72	3.883	9.19	5.38	3.06
0.900	3.06	2.400	10.72	3.900	9.19	5.40	3.06
0.917	3.06	2.417	10.72	3.917	9.19	5.42	3.06
0.933	3.06	2.433	10.72	3.933	9.19	5.43	3.06
0.950	3.06	2.450	10.72	3.950	9.19	5.45	3.06
0.967	3.06	2.467	10.72	3.967	9.19	5.47	3.06
0.983	3.06	2.483	10.72	3.983	9.19	5.48	3.06
1.000	3.06	2.500	10.72	4.000	9.19	5.50	3.06
1.017	4.59	2.517	44.41	4.017	7.66	5.52	3.06
1.033	4.59	2.533	44.41	4.033	7.66	5.53	3.06
1.050	4.59	2.550	44.41	4.050	7.66	5.55	3.06
1.067	4.59	2.567	44.41	4.067	7.66	5.57	3.06
1.083	4.59	2.583	44.41	4.083	7.66	5.58	3.06
1.100	4.59	2.600	44.41	4.100	7.66	5.60	3.06
1.117	4.59	2.617	44.41	4.117	7.66	5.62	3.06
1.133	4.59	2.633	44.41	4.133	7.66	5.63	3.06
1.150	4.59	2.650	44.41	4.150	7.66	5.65	3.06
1.167	4.59	2.667	44.41	4.167	7.66	5.67	3.06
1.183	4.59	2.683	44.41	4.183	7.66	5.68	3.06
1.200	4.59	2.700	44.41	4.200	7.66	5.70	3.06
1.217	4.59	2.717	44.41	4.217	7.66	5.72	3.06
1.233	4.59	2.733	44.41	4.233	7.66	5.73	3.06
1.250	4.59	2.750	44.41	4.250	7.66	5.75	3.06
1.267	6.13	2.767	78.10	4.267	6.13	5.77	3.06
1.283	6.13	2.783	78.10	4.283	6.13	5.78	3.06
1.300	6.13	2.800	78.10	4.300	6.13	5.80	3.06
1.317	6.13	2.817	78.10	4.317	6.13	5.82	3.06
1.333	6.13	2.833	78.10	4.333	6.13	5.83	3.06
1.350	6.13	2.850	78.10	4.350	6.13	5.85	3.06
1.367	6.13	2.867	78.10	4.367	6.13	5.87	3.06
1.383	6.13	2.883	78.10	4.383	6.13	5.88	3.06
1.400	6.13	2.900	78.10	4.400	6.13	5.90	3.06
1.417	6.13	2.917	78.10	4.417	6.13	5.92	3.06
1.433	6.13	2.933	78.10	4.433	6.13	5.93	3.06
1.450	6.13	2.950	78.10	4.450	6.13	5.95	3.06
1.467	6.13	2.967	78.10	4.467	6.13	5.97	3.06
1.483	6.13	2.983	78.10	4.483	6.13	5.98	3.06
1.500	6.13	3.000	78.10	4.500	6.13	6.00	3.06

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.268 (i)
TIME TO PEAK (hrs)= 4.733
RUNOFF VOLUME (mm)= 16.372
TOTAL RAINFALL (mm)= 76.187
RUNOFF COEFFICIENT = 0.215

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0001)
ID= 1 DT= 1.0 min

Area (ha)= 1.18
Total Imp(%)= 22.00 Dir. Conn.(%)= 22.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.26	0.92
Dep. Storage	(mm)=	2.00	5.00
Average slope	(%)=	1.00	2.00
Length	(m)=	88.84	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.53	1.517	6.13	3.017	49.01	4.52	5.36
0.033	1.53	1.533	6.13	3.033	49.00	4.53	5.36
0.050	1.53	1.550	6.13	3.050	49.00	4.55	5.36

0.067	1.53	1.567	6.13	3.067	49.00	4.57	5.36
0.083	1.53	1.583	6.13	3.083	49.00	4.58	5.36
0.100	1.53	1.600	6.13	3.100	49.00	4.60	5.36
0.117	1.53	1.617	6.13	3.117	49.00	4.62	5.36
0.133	1.53	1.633	6.13	3.133	49.00	4.63	5.36
0.150	1.53	1.650	6.13	3.150	49.00	4.65	5.36
0.167	1.53	1.667	6.13	3.167	49.00	4.67	5.36
0.183	1.53	1.683	6.13	3.183	49.00	4.68	5.36
0.200	1.53	1.700	6.13	3.200	49.00	4.70	5.36
0.217	1.53	1.717	6.13	3.217	49.00	4.72	5.36
0.233	1.53	1.733	6.13	3.233	49.00	4.73	5.36
0.250	1.53	1.750	6.13	3.250	49.00	4.75	5.36
0.267	3.06	1.767	6.13	3.267	19.91	4.77	4.59
0.283	3.06	1.783	6.13	3.283	19.91	4.78	4.59
0.300	3.06	1.800	6.13	3.300	19.91	4.80	4.59
0.317	3.06	1.817	6.13	3.317	19.91	4.82	4.59
0.333	3.06	1.833	6.13	3.333	19.91	4.83	4.59
0.350	3.06	1.850	6.13	3.350	19.91	4.85	4.59
0.367	3.06	1.867	6.13	3.367	19.91	4.87	4.59
0.383	3.06	1.883	6.13	3.383	19.91	4.88	4.59
0.400	3.06	1.900	6.13	3.400	19.91	4.90	4.59
0.417	3.06	1.917	6.13	3.417	19.91	4.92	4.59
0.433	3.06	1.933	6.13	3.433	19.91	4.93	4.59
0.450	3.06	1.950	6.13	3.450	19.91	4.95	4.59
0.467	3.06	1.967	6.13	3.467	19.91	4.97	4.59
0.483	3.06	1.983	6.13	3.483	19.91	4.98	4.59
0.500	3.06	2.000	6.13	3.500	19.91	5.00	4.59
0.517	3.06	2.017	8.42	3.517	14.55	5.02	3.83
0.533	3.06	2.033	8.42	3.533	14.55	5.03	3.83
0.550	3.06	2.050	8.42	3.550	14.55	5.05	3.83
0.567	3.06	2.067	8.42	3.567	14.55	5.07	3.83
0.583	3.06	2.083	8.42	3.583	14.55	5.08	3.83
0.600	3.06	2.100	8.42	3.600	14.55	5.10	3.83
0.617	3.06	2.117	8.42	3.617	14.55	5.12	3.83
0.633	3.06	2.133	8.42	3.633	14.55	5.13	3.83
0.650	3.06	2.150	8.42	3.650	14.55	5.15	3.83
0.667	3.06	2.167	8.42	3.667	14.55	5.17	3.83
0.683	3.06	2.183	8.42	3.683	14.55	5.18	3.83
0.700	3.06	2.200	8.42	3.700	14.55	5.20	3.83
0.717	3.06	2.217	8.42	3.717	14.55	5.22	3.83
0.733	3.06	2.233	8.42	3.733	14.55	5.23	3.83
0.750	3.06	2.250	8.42	3.750	14.55	5.25	3.83
0.767	3.06	2.267	10.72	3.767	9.19	5.27	3.06
0.783	3.06	2.283	10.72	3.783	9.19	5.28	3.06
0.800	3.06	2.300	10.72	3.800	9.19	5.30	3.06
0.817	3.06	2.317	10.72	3.817	9.19	5.32	3.06
0.833	3.06	2.333	10.72	3.833	9.19	5.33	3.06
0.850	3.06	2.350	10.72	3.850	9.19	5.35	3.06
0.867	3.06	2.367	10.72	3.867	9.19	5.37	3.06
0.883	3.06	2.383	10.72	3.883	9.19	5.38	3.06
0.900	3.06	2.400	10.72	3.900	9.19	5.40	3.06
0.917	3.06	2.417	10.72	3.917	9.19	5.42	3.06
0.933	3.06	2.433	10.72	3.933	9.19	5.43	3.06
0.950	3.06	2.450	10.72	3.950	9.19	5.45	3.06
0.967	3.06	2.467	10.72	3.967	9.19	5.47	3.06
0.983	3.06	2.483	10.72	3.983	9.19	5.48	3.06
1.000	3.06	2.500	10.72	4.000	9.19	5.50	3.06
1.017	4.59	2.517	44.41	4.017	7.66	5.52	3.06
1.033	4.59	2.533	44.41	4.033	7.66	5.53	3.06
1.050	4.59	2.550	44.41	4.050	7.66	5.55	3.06
1.067	4.59	2.567	44.41	4.067	7.66	5.57	3.06
1.083	4.59	2.583	44.41	4.083	7.66	5.58	3.06
1.100	4.59	2.600	44.41	4.100	7.66	5.60	3.06
1.117	4.59	2.617	44.41	4.117	7.66	5.62	3.06
1.133	4.59	2.633	44.41	4.133	7.66	5.63	3.06
1.150	4.59	2.650	44.41	4.150	7.66	5.65	3.06
1.167	4.59	2.667	44.41	4.167	7.66	5.67	3.06
1.183	4.59	2.683	44.41	4.183	7.66	5.68	3.06
1.200	4.59	2.700	44.41	4.200	7.66	5.70	3.06
1.217	4.59	2.717	44.41	4.217	7.66	5.72	3.06
1.233	4.59	2.733	44.41	4.233	7.66	5.73	3.06
1.250	4.59	2.750	44.41	4.250	7.66	5.75	3.06
1.267	6.13	2.767	78.10	4.267	6.13	5.77	3.06
1.283	6.13	2.783	78.10	4.283	6.13	5.78	3.06
1.300	6.13	2.800	78.10	4.300	6.13	5.80	3.06
1.317	6.13	2.817	78.10	4.317	6.13	5.82	3.06
1.333	6.13	2.833	78.10	4.333	6.13	5.83	3.06
1.350	6.13	2.850	78.10	4.350	6.13	5.85	3.06
1.367	6.13	2.867	78.10	4.367	6.13	5.87	3.06
1.383	6.13	2.883	78.10	4.383	6.13	5.88	3.06
1.400	6.13	2.900	78.10	4.400	6.13	5.90	3.06
1.417	6.13	2.917	78.10	4.417	6.13	5.92	3.06
1.433	6.13	2.933	78.10	4.433	6.13	5.93	3.06
1.450	6.13	2.950	78.10	4.450	6.13	5.95	3.06

1.467	6.13	2.967	78.10	4.467	6.13	5.97	3.06
1.483	6.13	2.983	78.10	4.483	6.13	5.98	3.06
1.500	6.13	3.000	78.10	4.500	6.13	6.00	3.06

Max.Eff.Inten.(mm/hr)=	78.10	17.46	
over (min)	5.00	17.00	
Storage Coeff. (min)=	2.63 (ii)	16.81 (ii)	
Unit Hyd. Tpeak (min)=	5.00	17.00	
Unit Hyd. peak (cms)=	0.33	0.07	
			TOTALS
PEAK FLOW (cms)=	0.06	0.03	0.074 (iii)
TIME TO PEAK (hrs)=	3.00	3.35	3.02
RUNOFF VOLUME (mm)=	74.19	17.62	30.06
TOTAL RAINFALL (mm)=	76.19	76.19	76.19
RUNOFF COEFFICIENT =	0.97	0.23	0.39

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)				
1 + 2 = 3				
ID1= 1 (0001):	1.18	0.074	3.02	30.06
+ ID2= 2 (0003):	19.20	0.268	4.73	16.37
ID = 3 (0005):	20.39	0.280	4.68	17.17

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:3.1 SCS II 12hr 2yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData\Local\Temp\6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\el7838a5
Ptotal= 45.30 mm	Comments: SCS 12 HOUR TYPE II STORM DISTRIBUTION
	Duration of storm = 12.00 hrs
	Mass curve time step = 30.00 min
	New Storm time step = 15.00 min

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	0.45	3.00	1.81	6.00	24.46	9.00	1.81
0.25	0.91	3.25	1.81	6.25	8.15	9.25	1.81
0.50	0.91	3.50	1.81	6.50	5.89	9.50	1.36
0.75	0.91	3.75	1.81	6.75	3.62	9.75	0.91
1.00	0.91	4.00	2.26	7.00	3.17	10.00	0.91
1.25	0.91	4.25	2.72	7.25	2.72	10.25	0.91
1.50	0.91	4.50	3.17	7.50	2.72	10.50	0.91
1.75	0.91	4.75	3.62	7.75	2.72	10.75	0.91
2.00	1.36	5.00	4.53	8.00	2.27	11.00	0.91
2.25	1.81	5.25	5.44	8.25	1.81	11.25	0.91
2.50	1.81	5.50	23.10	8.50	1.81	11.50	0.91
2.75	1.81	5.75	40.77	8.75	1.81	11.75	0.91

CALIB			
NASHYD (0003)	Area (ha)= 19.20	Curve Number (CN)= 55.0	
ID= 1 DT= 1.0 min	Ia (mm)= 9.10	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 1.32		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.45	3.017	1.81	6.017	24.46	9.02	1.81
0.033	0.45	3.033	1.81	6.033	24.46	9.03	1.81
0.050	0.45	3.050	1.81	6.050	24.46	9.05	1.81
0.067	0.45	3.067	1.81	6.067	24.46	9.07	1.81
0.083	0.45	3.083	1.81	6.083	24.46	9.08	1.81
0.100	0.45	3.100	1.81	6.100	24.46	9.10	1.81

0.117	0.45	3.117	1.81	6.117	24.46	9.12	1.81
0.133	0.45	3.133	1.81	6.133	24.46	9.13	1.81
0.150	0.45	3.150	1.81	6.150	24.46	9.15	1.81
0.167	0.45	3.167	1.81	6.167	24.46	9.17	1.81
0.183	0.45	3.183	1.81	6.183	24.46	9.18	1.81
0.200	0.45	3.200	1.81	6.200	24.46	9.20	1.81
0.217	0.45	3.217	1.81	6.217	24.46	9.22	1.81
0.233	0.45	3.233	1.81	6.233	24.46	9.23	1.81
0.250	0.45	3.250	1.81	6.250	24.44	9.25	1.81
0.267	0.91	3.267	1.81	6.267	8.15	9.27	1.81
0.283	0.91	3.283	1.81	6.283	8.15	9.28	1.81
0.300	0.91	3.300	1.81	6.300	8.15	9.30	1.81
0.317	0.91	3.317	1.81	6.317	8.15	9.32	1.81
0.333	0.91	3.333	1.81	6.333	8.15	9.33	1.81
0.350	0.91	3.350	1.81	6.350	8.15	9.35	1.81
0.367	0.91	3.367	1.81	6.367	8.15	9.37	1.81
0.383	0.91	3.383	1.81	6.383	8.15	9.38	1.81
0.400	0.91	3.400	1.81	6.400	8.15	9.40	1.81
0.417	0.91	3.417	1.81	6.417	8.15	9.42	1.81
0.433	0.91	3.433	1.81	6.433	8.15	9.43	1.81
0.450	0.91	3.450	1.81	6.450	8.15	9.45	1.81
0.467	0.91	3.467	1.81	6.467	8.15	9.47	1.81
0.483	0.91	3.483	1.81	6.483	8.15	9.48	1.81
0.500	0.91	3.500	1.81	6.500	8.15	9.50	1.81
0.517	0.91	3.517	1.81	6.517	5.89	9.52	1.36
0.533	0.91	3.533	1.81	6.533	5.89	9.53	1.36
0.550	0.91	3.550	1.81	6.550	5.89	9.55	1.36
0.567	0.91	3.567	1.81	6.567	5.89	9.57	1.36
0.583	0.91	3.583	1.81	6.583	5.89	9.58	1.36
0.600	0.91	3.600	1.81	6.600	5.89	9.60	1.36
0.617	0.91	3.617	1.81	6.617	5.89	9.62	1.36
0.633	0.91	3.633	1.81	6.633	5.89	9.63	1.36
0.650	0.91	3.650	1.81	6.650	5.89	9.65	1.36
0.667	0.91	3.667	1.81	6.667	5.89	9.67	1.36
0.683	0.91	3.683	1.81	6.683	5.89	9.68	1.36
0.700	0.91	3.700	1.81	6.700	5.89	9.70	1.36
0.717	0.91	3.717	1.81	6.717	5.89	9.72	1.36
0.733	0.91	3.733	1.81	6.733	5.89	9.73	1.36
0.750	0.91	3.750	1.81	6.750	5.88	9.75	1.36
0.767	0.91	3.767	1.81	6.767	3.62	9.77	0.91
0.783	0.91	3.783	1.81	6.783	3.62	9.78	0.91
0.800	0.91	3.800	1.81	6.800	3.62	9.80	0.91
0.817	0.91	3.817	1.81	6.817	3.62	9.82	0.91
0.833	0.91	3.833	1.81	6.833	3.62	9.83	0.91
0.850	0.91	3.850	1.81	6.850	3.62	9.85	0.91
0.867	0.91	3.867	1.81	6.867	3.62	9.87	0.91
0.883	0.91	3.883	1.81	6.883	3.62	9.88	0.91
0.900	0.91	3.900	1.81	6.900	3.62	9.90	0.91
0.917	0.91	3.917	1.81	6.917	3.62	9.92	0.91
0.933	0.91	3.933	1.81	6.933	3.62	9.93	0.91
0.950	0.91	3.950	1.81	6.950	3.62	9.95	0.91
0.967	0.91	3.967	1.81	6.967	3.62	9.97	0.91
0.983	0.91	3.983	1.81	6.983	3.62	9.98	0.91
1.000	0.91	4.000	1.81	7.000	3.62	10.00	0.91
1.017	0.91	4.017	2.26	7.017	3.17	10.02	0.91
1.033	0.91	4.033	2.26	7.033	3.17	10.03	0.91
1.050	0.91	4.050	2.26	7.050	3.17	10.05	0.91
1.067	0.91	4.067	2.26	7.067	3.17	10.07	0.91
1.083	0.91	4.083	2.26	7.083	3.17	10.08	0.91
1.100	0.91	4.100	2.26	7.100	3.17	10.10	0.91
1.117	0.91	4.117	2.26	7.117	3.17	10.12	0.91
1.133	0.91	4.133	2.26	7.133	3.17	10.13	0.91
1.150	0.91	4.150	2.26	7.150	3.17	10.15	0.91
1.167	0.91	4.167	2.26	7.167	3.17	10.17	0.91
1.183	0.91	4.183	2.26	7.183	3.17	10.18	0.91
1.200	0.91	4.200	2.26	7.200	3.17	10.20	0.91
1.217	0.91	4.217	2.26	7.217	3.17	10.22	0.91
1.233	0.91	4.233	2.26	7.233	3.17	10.23	0.91
1.250	0.91	4.250	2.26	7.250	3.17	10.25	0.91
1.267	0.91	4.267	2.72	7.267	2.72	10.27	0.91
1.283	0.91	4.283	2.72	7.283	2.72	10.28	0.91
1.300	0.91	4.300	2.72	7.300	2.72	10.30	0.91
1.317	0.91	4.317	2.72	7.317	2.72	10.32	0.91
1.333	0.91	4.333	2.72	7.333	2.72	10.33	0.91
1.350	0.91	4.350	2.72	7.350	2.72	10.35	0.91
1.367	0.91	4.367	2.72	7.367	2.72	10.37	0.91
1.383	0.91	4.383	2.72	7.383	2.72	10.38	0.91
1.400	0.91	4.400	2.72	7.400	2.72	10.40	0.91
1.417	0.91	4.417	2.72	7.417	2.72	10.42	0.91
1.433	0.91	4.433	2.72	7.433	2.72	10.43	0.91
1.450	0.91	4.450	2.72	7.450	2.72	10.45	0.91
1.467	0.91	4.467	2.72	7.467	2.72	10.47	0.91
1.483	0.91	4.483	2.72	7.483	2.72	10.48	0.91
1.500	0.91	4.500	2.72	7.500	2.72	10.50	0.91

1.517	0.91	4.517	3.17	7.517	2.72	10.52	0.91
1.533	0.91	4.533	3.17	7.533	2.72	10.53	0.91
1.550	0.91	4.550	3.17	7.550	2.72	10.55	0.91
1.567	0.91	4.567	3.17	7.567	2.72	10.57	0.91
1.583	0.91	4.583	3.17	7.583	2.72	10.58	0.91
1.600	0.91	4.600	3.17	7.600	2.72	10.60	0.91
1.617	0.91	4.617	3.17	7.617	2.72	10.62	0.91
1.633	0.91	4.633	3.17	7.633	2.72	10.63	0.91
1.650	0.91	4.650	3.17	7.650	2.72	10.65	0.91
1.667	0.91	4.667	3.17	7.667	2.72	10.67	0.91
1.683	0.91	4.683	3.17	7.683	2.72	10.68	0.91
1.700	0.91	4.700	3.17	7.700	2.72	10.70	0.91
1.717	0.91	4.717	3.17	7.717	2.72	10.72	0.91
1.733	0.91	4.733	3.17	7.733	2.72	10.73	0.91
1.750	0.91	4.750	3.17	7.750	2.72	10.75	0.91
1.767	0.91	4.767	3.62	7.767	2.72	10.77	0.91
1.783	0.91	4.783	3.62	7.783	2.72	10.78	0.91
1.800	0.91	4.800	3.62	7.800	2.72	10.80	0.91
1.817	0.91	4.817	3.62	7.817	2.72	10.82	0.91
1.833	0.91	4.833	3.62	7.833	2.72	10.83	0.91
1.850	0.91	4.850	3.62	7.850	2.72	10.85	0.91
1.867	0.91	4.867	3.62	7.867	2.72	10.87	0.91
1.883	0.91	4.883	3.62	7.883	2.72	10.88	0.91
1.900	0.91	4.900	3.62	7.900	2.72	10.90	0.91
1.917	0.91	4.917	3.62	7.917	2.72	10.92	0.91
1.933	0.91	4.933	3.62	7.933	2.72	10.93	0.91
1.950	0.91	4.950	3.62	7.950	2.72	10.95	0.91
1.967	0.91	4.967	3.62	7.967	2.72	10.97	0.91
1.983	0.91	4.983	3.62	7.983	2.72	10.98	0.91
2.000	0.91	5.000	3.62	8.000	2.72	11.00	0.91
2.017	1.36	5.017	4.53	8.017	2.27	11.02	0.91
2.033	1.36	5.033	4.53	8.033	2.27	11.03	0.91
2.050	1.36	5.050	4.53	8.050	2.27	11.05	0.91
2.067	1.36	5.067	4.53	8.067	2.27	11.07	0.91
2.083	1.36	5.083	4.53	8.083	2.27	11.08	0.91
2.100	1.36	5.100	4.53	8.100	2.27	11.10	0.91
2.117	1.36	5.117	4.53	8.117	2.27	11.12	0.91
2.133	1.36	5.133	4.53	8.133	2.27	11.13	0.91
2.150	1.36	5.150	4.53	8.150	2.27	11.15	0.91
2.167	1.36	5.167	4.53	8.167	2.27	11.17	0.91
2.183	1.36	5.183	4.53	8.183	2.27	11.18	0.91
2.200	1.36	5.200	4.53	8.200	2.27	11.20	0.91
2.217	1.36	5.217	4.53	8.217	2.27	11.22	0.91
2.233	1.36	5.233	4.53	8.233	2.27	11.23	0.91
2.250	1.36	5.250	4.53	8.250	2.26	11.25	0.91
2.267	1.81	5.267	5.44	8.267	1.81	11.27	0.91
2.283	1.81	5.283	5.44	8.283	1.81	11.28	0.91
2.300	1.81	5.300	5.44	8.300	1.81	11.30	0.91
2.317	1.81	5.317	5.44	8.317	1.81	11.32	0.91
2.333	1.81	5.333	5.44	8.333	1.81	11.33	0.91
2.350	1.81	5.350	5.44	8.350	1.81	11.35	0.91
2.367	1.81	5.367	5.44	8.367	1.81	11.37	0.91
2.383	1.81	5.383	5.44	8.383	1.81	11.38	0.91
2.400	1.81	5.400	5.44	8.400	1.81	11.40	0.91
2.417	1.81	5.417	5.44	8.417	1.81	11.42	0.91
2.433	1.81	5.433	5.44	8.433	1.81	11.43	0.91
2.450	1.81	5.450	5.44	8.450	1.81	11.45	0.91
2.467	1.81	5.467	5.44	8.467	1.81	11.47	0.91
2.483	1.81	5.483	5.44	8.483	1.81	11.48	0.91
2.500	1.81	5.500	5.45	8.500	1.81	11.50	0.91
2.517	1.81	5.517	23.10	8.517	1.81	11.52	0.91
2.533	1.81	5.533	23.10	8.533	1.81	11.53	0.91
2.550	1.81	5.550	23.10	8.550	1.81	11.55	0.91
2.567	1.81	5.567	23.10	8.567	1.81	11.57	0.91
2.583	1.81	5.583	23.10	8.583	1.81	11.58	0.91
2.600	1.81	5.600	23.10	8.600	1.81	11.60	0.91
2.617	1.81	5.617	23.10	8.617	1.81	11.62	0.91
2.633	1.81	5.633	23.10	8.633	1.81	11.63	0.91
2.650	1.81	5.650	23.10	8.650	1.81	11.65	0.91
2.667	1.81	5.667	23.10	8.667	1.81	11.67	0.91
2.683	1.81	5.683	23.10	8.683	1.81	11.68	0.91
2.700	1.81	5.700	23.10	8.700	1.81	11.70	0.91
2.717	1.81	5.717	23.10	8.717	1.81	11.72	0.91
2.733	1.81	5.733	23.10	8.733	1.81	11.73	0.91
2.750	1.81	5.750	23.12	8.750	1.81	11.75	0.91
2.767	1.81	5.767	40.77	8.767	1.81	11.77	0.91
2.783	1.81	5.783	40.77	8.783	1.81	11.78	0.91
2.800	1.81	5.800	40.77	8.800	1.81	11.80	0.91
2.817	1.81	5.817	40.77	8.817	1.81	11.82	0.91
2.833	1.81	5.833	40.77	8.833	1.81	11.83	0.91
2.850	1.81	5.850	40.77	8.850	1.81	11.85	0.91
2.867	1.81	5.867	40.77	8.867	1.81	11.87	0.91
2.883	1.81	5.883	40.77	8.883	1.81	11.88	0.91
2.900	1.81	5.900	40.77	8.900	1.81	11.90	0.91

2.917	1.81	5.917	40.77	8.917	1.81	11.92	0.91
2.933	1.81	5.933	40.77	8.933	1.81	11.93	0.91
2.950	1.81	5.950	40.77	8.950	1.81	11.95	0.91
2.967	1.81	5.967	40.77	8.967	1.81	11.97	0.91
2.983	1.81	5.983	40.77	8.983	1.81	11.98	0.91
3.000	1.81	6.000	40.75	9.000	1.81	12.00	0.91

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.071 (i)
 TIME TO PEAK (hrs)= 7.683
 RUNOFF VOLUME (mm)= 5.333
 TOTAL RAINFALL (mm)= 45.186
 RUNOFF COEFFICIENT = 0.118

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB STANDHYD (0001) ID= 1 DT= 1.0 min	Area (ha)= 1.18 Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.45	3.017	1.81	6.017	24.46	9.02	1.81
0.033	0.45	3.033	1.81	6.033	24.46	9.03	1.81
0.050	0.45	3.050	1.81	6.050	24.46	9.05	1.81
0.067	0.45	3.067	1.81	6.067	24.46	9.07	1.81
0.083	0.45	3.083	1.81	6.083	24.46	9.08	1.81
0.100	0.45	3.100	1.81	6.100	24.46	9.10	1.81
0.117	0.45	3.117	1.81	6.117	24.46	9.12	1.81
0.133	0.45	3.133	1.81	6.133	24.46	9.13	1.81
0.150	0.45	3.150	1.81	6.150	24.46	9.15	1.81
0.167	0.45	3.167	1.81	6.167	24.46	9.17	1.81
0.183	0.45	3.183	1.81	6.183	24.46	9.18	1.81
0.200	0.45	3.200	1.81	6.200	24.46	9.20	1.81
0.217	0.45	3.217	1.81	6.217	24.46	9.22	1.81
0.233	0.45	3.233	1.81	6.233	24.46	9.23	1.81
0.250	0.45	3.250	1.81	6.250	24.44	9.25	1.81
0.267	0.91	3.267	1.81	6.267	8.15	9.27	1.81
0.283	0.91	3.283	1.81	6.283	8.15	9.28	1.81
0.300	0.91	3.300	1.81	6.300	8.15	9.30	1.81
0.317	0.91	3.317	1.81	6.317	8.15	9.32	1.81
0.333	0.91	3.333	1.81	6.333	8.15	9.33	1.81
0.350	0.91	3.350	1.81	6.350	8.15	9.35	1.81
0.367	0.91	3.367	1.81	6.367	8.15	9.37	1.81
0.383	0.91	3.383	1.81	6.383	8.15	9.38	1.81
0.400	0.91	3.400	1.81	6.400	8.15	9.40	1.81
0.417	0.91	3.417	1.81	6.417	8.15	9.42	1.81
0.433	0.91	3.433	1.81	6.433	8.15	9.43	1.81
0.450	0.91	3.450	1.81	6.450	8.15	9.45	1.81
0.467	0.91	3.467	1.81	6.467	8.15	9.47	1.81
0.483	0.91	3.483	1.81	6.483	8.15	9.48	1.81
0.500	0.91	3.500	1.81	6.500	8.15	9.50	1.81
0.517	0.91	3.517	1.81	6.517	5.89	9.52	1.36
0.533	0.91	3.533	1.81	6.533	5.89	9.53	1.36
0.550	0.91	3.550	1.81	6.550	5.89	9.55	1.36
0.567	0.91	3.567	1.81	6.567	5.89	9.57	1.36
0.583	0.91	3.583	1.81	6.583	5.89	9.58	1.36
0.600	0.91	3.600	1.81	6.600	5.89	9.60	1.36
0.617	0.91	3.617	1.81	6.617	5.89	9.62	1.36
0.633	0.91	3.633	1.81	6.633	5.89	9.63	1.36
0.650	0.91	3.650	1.81	6.650	5.89	9.65	1.36
0.667	0.91	3.667	1.81	6.667	5.89	9.67	1.36
0.683	0.91	3.683	1.81	6.683	5.89	9.68	1.36
0.700	0.91	3.700	1.81	6.700	5.89	9.70	1.36
0.717	0.91	3.717	1.81	6.717	5.89	9.72	1.36
0.733	0.91	3.733	1.81	6.733	5.89	9.73	1.36
0.750	0.91	3.750	1.81	6.750	5.88	9.75	1.36
0.767	0.91	3.767	1.81	6.767	3.62	9.77	0.91
0.783	0.91	3.783	1.81	6.783	3.62	9.78	0.91
0.800	0.91	3.800	1.81	6.800	3.62	9.80	0.91

0.817	0.91	3.817	1.81	6.817	3.62	9.82	0.91
0.833	0.91	3.833	1.81	6.833	3.62	9.83	0.91
0.850	0.91	3.850	1.81	6.850	3.62	9.85	0.91
0.867	0.91	3.867	1.81	6.867	3.62	9.87	0.91
0.883	0.91	3.883	1.81	6.883	3.62	9.88	0.91
0.900	0.91	3.900	1.81	6.900	3.62	9.90	0.91
0.917	0.91	3.917	1.81	6.917	3.62	9.92	0.91
0.933	0.91	3.933	1.81	6.933	3.62	9.93	0.91
0.950	0.91	3.950	1.81	6.950	3.62	9.95	0.91
0.967	0.91	3.967	1.81	6.967	3.62	9.97	0.91
0.983	0.91	3.983	1.81	6.983	3.62	9.98	0.91
1.000	0.91	4.000	1.81	7.000	3.62	10.00	0.91
1.017	0.91	4.017	2.26	7.017	3.17	10.02	0.91
1.033	0.91	4.033	2.26	7.033	3.17	10.03	0.91
1.050	0.91	4.050	2.26	7.050	3.17	10.05	0.91
1.067	0.91	4.067	2.26	7.067	3.17	10.07	0.91
1.083	0.91	4.083	2.26	7.083	3.17	10.08	0.91
1.100	0.91	4.100	2.26	7.100	3.17	10.10	0.91
1.117	0.91	4.117	2.26	7.117	3.17	10.12	0.91
1.133	0.91	4.133	2.26	7.133	3.17	10.13	0.91
1.150	0.91	4.150	2.26	7.150	3.17	10.15	0.91
1.167	0.91	4.167	2.26	7.167	3.17	10.17	0.91
1.183	0.91	4.183	2.26	7.183	3.17	10.18	0.91
1.200	0.91	4.200	2.26	7.200	3.17	10.20	0.91
1.217	0.91	4.217	2.26	7.217	3.17	10.22	0.91
1.233	0.91	4.233	2.26	7.233	3.17	10.23	0.91
1.250	0.91	4.250	2.26	7.250	3.17	10.25	0.91
1.267	0.91	4.267	2.72	7.267	2.72	10.27	0.91
1.283	0.91	4.283	2.72	7.283	2.72	10.28	0.91
1.300	0.91	4.300	2.72	7.300	2.72	10.30	0.91
1.317	0.91	4.317	2.72	7.317	2.72	10.32	0.91
1.333	0.91	4.333	2.72	7.333	2.72	10.33	0.91
1.350	0.91	4.350	2.72	7.350	2.72	10.35	0.91
1.367	0.91	4.367	2.72	7.367	2.72	10.37	0.91
1.383	0.91	4.383	2.72	7.383	2.72	10.38	0.91
1.400	0.91	4.400	2.72	7.400	2.72	10.40	0.91
1.417	0.91	4.417	2.72	7.417	2.72	10.42	0.91
1.433	0.91	4.433	2.72	7.433	2.72	10.43	0.91
1.450	0.91	4.450	2.72	7.450	2.72	10.45	0.91
1.467	0.91	4.467	2.72	7.467	2.72	10.47	0.91
1.483	0.91	4.483	2.72	7.483	2.72	10.48	0.91
1.500	0.91	4.500	2.72	7.500	2.72	10.50	0.91
1.517	0.91	4.517	3.17	7.517	2.72	10.52	0.91
1.533	0.91	4.533	3.17	7.533	2.72	10.53	0.91
1.550	0.91	4.550	3.17	7.550	2.72	10.55	0.91
1.567	0.91	4.567	3.17	7.567	2.72	10.57	0.91
1.583	0.91	4.583	3.17	7.583	2.72	10.58	0.91
1.600	0.91	4.600	3.17	7.600	2.72	10.60	0.91
1.617	0.91	4.617	3.17	7.617	2.72	10.62	0.91
1.633	0.91	4.633	3.17	7.633	2.72	10.63	0.91
1.650	0.91	4.650	3.17	7.650	2.72	10.65	0.91
1.667	0.91	4.667	3.17	7.667	2.72	10.67	0.91
1.683	0.91	4.683	3.17	7.683	2.72	10.68	0.91
1.700	0.91	4.700	3.17	7.700	2.72	10.70	0.91
1.717	0.91	4.717	3.17	7.717	2.72	10.72	0.91
1.733	0.91	4.733	3.17	7.733	2.72	10.73	0.91
1.750	0.91	4.750	3.17	7.750	2.72	10.75	0.91
1.767	0.91	4.767	3.62	7.767	2.72	10.77	0.91
1.783	0.91	4.783	3.62	7.783	2.72	10.78	0.91
1.800	0.91	4.800	3.62	7.800	2.72	10.80	0.91
1.817	0.91	4.817	3.62	7.817	2.72	10.82	0.91
1.833	0.91	4.833	3.62	7.833	2.72	10.83	0.91
1.850	0.91	4.850	3.62	7.850	2.72	10.85	0.91
1.867	0.91	4.867	3.62	7.867	2.72	10.87	0.91
1.883	0.91	4.883	3.62	7.883	2.72	10.88	0.91
1.900	0.91	4.900	3.62	7.900	2.72	10.90	0.91
1.917	0.91	4.917	3.62	7.917	2.72	10.92	0.91
1.933	0.91	4.933	3.62	7.933	2.72	10.93	0.91
1.950	0.91	4.950	3.62	7.950	2.72	10.95	0.91
1.967	0.91	4.967	3.62	7.967	2.72	10.97	0.91
1.983	0.91	4.983	3.62	7.983	2.72	10.98	0.91
2.000	0.91	5.000	3.62	8.000	2.72	11.00	0.91
2.017	1.36	5.017	4.53	8.017	2.27	11.02	0.91
2.033	1.36	5.033	4.53	8.033	2.27	11.03	0.91
2.050	1.36	5.050	4.53	8.050	2.27	11.05	0.91
2.067	1.36	5.067	4.53	8.067	2.27	11.07	0.91
2.083	1.36	5.083	4.53	8.083	2.27	11.08	0.91
2.100	1.36	5.100	4.53	8.100	2.27	11.10	0.91
2.117	1.36	5.117	4.53	8.117	2.27	11.12	0.91
2.133	1.36	5.133	4.53	8.133	2.27	11.13	0.91
2.150	1.36	5.150	4.53	8.150	2.27	11.15	0.91
2.167	1.36	5.167	4.53	8.167	2.27	11.17	0.91
2.183	1.36	5.183	4.53	8.183	2.27	11.18	0.91
2.200	1.36	5.200	4.53	8.200	2.27	11.20	0.91

2.217	1.36	5.217	4.53	8.217	2.27	11.22	0.91
2.233	1.36	5.233	4.53	8.233	2.27	11.23	0.91
2.250	1.36	5.250	4.53	8.250	2.26	11.25	0.91
2.267	1.81	5.267	5.44	8.267	1.81	11.27	0.91
2.283	1.81	5.283	5.44	8.283	1.81	11.28	0.91
2.300	1.81	5.300	5.44	8.300	1.81	11.30	0.91
2.317	1.81	5.317	5.44	8.317	1.81	11.32	0.91
2.333	1.81	5.333	5.44	8.333	1.81	11.33	0.91
2.350	1.81	5.350	5.44	8.350	1.81	11.35	0.91
2.367	1.81	5.367	5.44	8.367	1.81	11.37	0.91
2.383	1.81	5.383	5.44	8.383	1.81	11.38	0.91
2.400	1.81	5.400	5.44	8.400	1.81	11.40	0.91
2.417	1.81	5.417	5.44	8.417	1.81	11.42	0.91
2.433	1.81	5.433	5.44	8.433	1.81	11.43	0.91
2.450	1.81	5.450	5.44	8.450	1.81	11.45	0.91
2.467	1.81	5.467	5.44	8.467	1.81	11.47	0.91
2.483	1.81	5.483	5.44	8.483	1.81	11.48	0.91
2.500	1.81	5.500	5.45	8.500	1.81	11.50	0.91
2.517	1.81	5.517	23.10	8.517	1.81	11.52	0.91
2.533	1.81	5.533	23.10	8.533	1.81	11.53	0.91
2.550	1.81	5.550	23.10	8.550	1.81	11.55	0.91
2.567	1.81	5.567	23.10	8.567	1.81	11.57	0.91
2.583	1.81	5.583	23.10	8.583	1.81	11.58	0.91
2.600	1.81	5.600	23.10	8.600	1.81	11.60	0.91
2.617	1.81	5.617	23.10	8.617	1.81	11.62	0.91
2.633	1.81	5.633	23.10	8.633	1.81	11.63	0.91
2.650	1.81	5.650	23.10	8.650	1.81	11.65	0.91
2.667	1.81	5.667	23.10	8.667	1.81	11.67	0.91
2.683	1.81	5.683	23.10	8.683	1.81	11.68	0.91
2.700	1.81	5.700	23.10	8.700	1.81	11.70	0.91
2.717	1.81	5.717	23.10	8.717	1.81	11.72	0.91
2.733	1.81	5.733	23.10	8.733	1.81	11.73	0.91
2.750	1.81	5.750	23.12	8.750	1.81	11.75	0.91
2.767	1.81	5.767	40.77	8.767	1.81	11.77	0.91
2.783	1.81	5.783	40.77	8.783	1.81	11.78	0.91
2.800	1.81	5.800	40.77	8.800	1.81	11.80	0.91
2.817	1.81	5.817	40.77	8.817	1.81	11.82	0.91
2.833	1.81	5.833	40.77	8.833	1.81	11.83	0.91
2.850	1.81	5.850	40.77	8.850	1.81	11.85	0.91
2.867	1.81	5.867	40.77	8.867	1.81	11.87	0.91
2.883	1.81	5.883	40.77	8.883	1.81	11.88	0.91
2.900	1.81	5.900	40.77	8.900	1.81	11.90	0.91
2.917	1.81	5.917	40.77	8.917	1.81	11.92	0.91
2.933	1.81	5.933	40.77	8.933	1.81	11.93	0.91
2.950	1.81	5.950	40.77	8.950	1.81	11.95	0.91
2.967	1.81	5.967	40.77	8.967	1.81	11.97	0.91
2.983	1.81	5.983	40.77	8.983	1.81	11.98	0.91
3.000	1.81	6.000	40.75	9.000	1.81	12.00	0.91

Max.Eff.Inten.(mm/hr)= 40.77 5.29
over (min) 5.00 27.00
Storage Coeff. (min)= 3.41 (ii) 26.28 (ii)
Unit Hyd. Tpeak (min)= 5.00 27.00
Unit Hyd. peak (cms)= 0.29 0.04

PEAK FLOW (cms)= 0.03 0.01 *TOTALS*
TIME TO PEAK (hrs)= 6.00 6.50 0.032 (iii)
RUNOFF VOLUME (mm)= 43.18 6.29 14.40
TOTAL RAINFALL (mm)= 45.19 45.19 45.19
RUNOFF COEFFICIENT = 0.96 0.14 0.32

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)				
1 + 2 = 3				

ID1= 1 (0001):	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
+ ID2= 2 (0003):	19.20	0.071	7.68	5.33
=====				
ID = 3 (0005):	20.39	0.076	7.63	5.87

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:3.2 SCS II 12hr 5yr **

MASS STORM
Ptotal= 58.91 mm

Filename: C:\Users\rbrockie\AppData
 Local\Temp\
 6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\cfced977
 Comments: SCS 12 HOUR TYPE II STORM DISTRIBUTION

Duration of storm = 12.00 hrs
 Mass curve time step = 30.00 min
 New Storm time step = 15.00 min

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.59	3.00	2.36	6.00	31.81	9.00	2.36
0.25	1.18	3.25	2.36	6.25	10.60	9.25	2.36
0.50	1.18	3.50	2.36	6.50	7.66	9.50	1.77
0.75	1.18	3.75	2.36	6.75	4.71	9.75	1.18
1.00	1.18	4.00	2.95	7.00	4.12	10.00	1.18
1.25	1.18	4.25	3.53	7.25	3.53	10.25	1.18
1.50	1.18	4.50	4.12	7.50	3.53	10.50	1.18
1.75	1.18	4.75	4.71	7.75	3.53	10.75	1.18
2.00	1.77	5.00	5.89	8.00	2.95	11.00	1.18
2.25	2.36	5.25	7.07	8.25	2.36	11.25	1.18
2.50	2.36	5.50	30.04	8.50	2.36	11.50	1.18
2.75	2.36	5.75	53.02	8.75	2.36	11.75	1.18

CALIB
NASHYD (0003)
ID= 1 DT= 1.0 min

Area (ha)= 19.20 Curve Number (CN)= 55.0
 Ia (mm)= 9.10 # of Linear Res.(N)= 3.00
 U.H. Tp(hrs)= 1.32

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.59	3.017	2.36	6.017	31.81	9.02	2.36
0.033	0.59	3.033	2.36	6.033	31.81	9.03	2.36
0.050	0.59	3.050	2.36	6.050	31.81	9.05	2.36
0.067	0.59	3.067	2.36	6.067	31.81	9.07	2.36
0.083	0.59	3.083	2.36	6.083	31.81	9.08	2.36
0.100	0.59	3.100	2.36	6.100	31.81	9.10	2.36
0.117	0.59	3.117	2.36	6.117	31.81	9.12	2.36
0.133	0.59	3.133	2.36	6.133	31.81	9.13	2.36
0.150	0.59	3.150	2.36	6.150	31.81	9.15	2.36
0.167	0.59	3.167	2.36	6.167	31.81	9.17	2.36
0.183	0.59	3.183	2.36	6.183	31.81	9.18	2.36
0.200	0.59	3.200	2.36	6.200	31.81	9.20	2.36
0.217	0.59	3.217	2.36	6.217	31.81	9.22	2.36
0.233	0.59	3.233	2.36	6.233	31.81	9.23	2.36
0.250	0.59	3.250	2.36	6.250	31.78	9.25	2.36
0.267	1.18	3.267	2.36	6.267	10.60	9.27	2.36
0.283	1.18	3.283	2.36	6.283	10.60	9.28	2.36
0.300	1.18	3.300	2.36	6.300	10.60	9.30	2.36
0.317	1.18	3.317	2.36	6.317	10.60	9.32	2.36
0.333	1.18	3.333	2.36	6.333	10.60	9.33	2.36
0.350	1.18	3.350	2.36	6.350	10.60	9.35	2.36
0.367	1.18	3.367	2.36	6.367	10.60	9.37	2.36
0.383	1.18	3.383	2.36	6.383	10.60	9.38	2.36
0.400	1.18	3.400	2.36	6.400	10.60	9.40	2.36
0.417	1.18	3.417	2.36	6.417	10.60	9.42	2.36
0.433	1.18	3.433	2.36	6.433	10.60	9.43	2.36
0.450	1.18	3.450	2.36	6.450	10.60	9.45	2.36
0.467	1.18	3.467	2.36	6.467	10.60	9.47	2.36
0.483	1.18	3.483	2.36	6.483	10.60	9.48	2.36
0.500	1.18	3.500	2.36	6.500	10.60	9.50	2.36
0.517	1.18	3.517	2.36	6.517	7.66	9.52	1.77
0.533	1.18	3.533	2.36	6.533	7.66	9.53	1.77
0.550	1.18	3.550	2.36	6.550	7.66	9.55	1.77
0.567	1.18	3.567	2.36	6.567	7.66	9.57	1.77
0.583	1.18	3.583	2.36	6.583	7.66	9.58	1.77
0.600	1.18	3.600	2.36	6.600	7.66	9.60	1.77
0.617	1.18	3.617	2.36	6.617	7.66	9.62	1.77
0.633	1.18	3.633	2.36	6.633	7.66	9.63	1.77
0.650	1.18	3.650	2.36	6.650	7.66	9.65	1.77
0.667	1.18	3.667	2.36	6.667	7.66	9.67	1.77
0.683	1.18	3.683	2.36	6.683	7.66	9.68	1.77
0.700	1.18	3.700	2.36	6.700	7.66	9.70	1.77
0.717	1.18	3.717	2.36	6.717	7.66	9.72	1.77
0.733	1.18	3.733	2.36	6.733	7.66	9.73	1.77
0.750	1.18	3.750	2.36	6.750	7.65	9.75	1.77

0.767	1.18	3.767	2.36	6.767	4.71	9.77	1.18
0.783	1.18	3.783	2.36	6.783	4.71	9.78	1.18
0.800	1.18	3.800	2.36	6.800	4.71	9.80	1.18
0.817	1.18	3.817	2.36	6.817	4.71	9.82	1.18
0.833	1.18	3.833	2.36	6.833	4.71	9.83	1.18
0.850	1.18	3.850	2.36	6.850	4.71	9.85	1.18
0.867	1.18	3.867	2.36	6.867	4.71	9.87	1.18
0.883	1.18	3.883	2.36	6.883	4.71	9.88	1.18
0.900	1.18	3.900	2.36	6.900	4.71	9.90	1.18
0.917	1.18	3.917	2.36	6.917	4.71	9.92	1.18
0.933	1.18	3.933	2.36	6.933	4.71	9.93	1.18
0.950	1.18	3.950	2.36	6.950	4.71	9.95	1.18
0.967	1.18	3.967	2.36	6.967	4.71	9.97	1.18
0.983	1.18	3.983	2.36	6.983	4.71	9.98	1.18
1.000	1.18	4.000	2.36	7.000	4.71	10.00	1.18
1.017	1.18	4.017	2.95	7.017	4.12	10.02	1.18
1.033	1.18	4.033	2.95	7.033	4.12	10.03	1.18
1.050	1.18	4.050	2.95	7.050	4.12	10.05	1.18
1.067	1.18	4.067	2.95	7.067	4.12	10.07	1.18
1.083	1.18	4.083	2.95	7.083	4.12	10.08	1.18
1.100	1.18	4.100	2.95	7.100	4.12	10.10	1.18
1.117	1.18	4.117	2.95	7.117	4.12	10.12	1.18
1.133	1.18	4.133	2.95	7.133	4.12	10.13	1.18
1.150	1.18	4.150	2.95	7.150	4.12	10.15	1.18
1.167	1.18	4.167	2.95	7.167	4.12	10.17	1.18
1.183	1.18	4.183	2.95	7.183	4.12	10.18	1.18
1.200	1.18	4.200	2.95	7.200	4.12	10.20	1.18
1.217	1.18	4.217	2.95	7.217	4.12	10.22	1.18
1.233	1.18	4.233	2.95	7.233	4.12	10.23	1.18
1.250	1.18	4.250	2.95	7.250	4.12	10.25	1.18
1.267	1.18	4.267	3.53	7.267	3.53	10.27	1.18
1.283	1.18	4.283	3.53	7.283	3.53	10.28	1.18
1.300	1.18	4.300	3.53	7.300	3.53	10.30	1.18
1.317	1.18	4.317	3.53	7.317	3.53	10.32	1.18
1.333	1.18	4.333	3.53	7.333	3.53	10.33	1.18
1.350	1.18	4.350	3.53	7.350	3.53	10.35	1.18
1.367	1.18	4.367	3.53	7.367	3.53	10.37	1.18
1.383	1.18	4.383	3.53	7.383	3.53	10.38	1.18
1.400	1.18	4.400	3.53	7.400	3.53	10.40	1.18
1.417	1.18	4.417	3.53	7.417	3.53	10.42	1.18
1.433	1.18	4.433	3.53	7.433	3.53	10.43	1.18
1.450	1.18	4.450	3.53	7.450	3.53	10.45	1.18
1.467	1.18	4.467	3.53	7.467	3.53	10.47	1.18
1.483	1.18	4.483	3.53	7.483	3.53	10.48	1.18
1.500	1.18	4.500	3.53	7.500	3.53	10.50	1.18
1.517	1.18	4.517	4.12	7.517	3.53	10.52	1.18
1.533	1.18	4.533	4.12	7.533	3.53	10.53	1.18
1.550	1.18	4.550	4.12	7.550	3.53	10.55	1.18
1.567	1.18	4.567	4.12	7.567	3.53	10.57	1.18
1.583	1.18	4.583	4.12	7.583	3.53	10.58	1.18
1.600	1.18	4.600	4.12	7.600	3.53	10.60	1.18
1.617	1.18	4.617	4.12	7.617	3.53	10.62	1.18
1.633	1.18	4.633	4.12	7.633	3.53	10.63	1.18
1.650	1.18	4.650	4.12	7.650	3.53	10.65	1.18
1.667	1.18	4.667	4.12	7.667	3.53	10.67	1.18
1.683	1.18	4.683	4.12	7.683	3.53	10.68	1.18
1.700	1.18	4.700	4.12	7.700	3.53	10.70	1.18
1.717	1.18	4.717	4.12	7.717	3.53	10.72	1.18
1.733	1.18	4.733	4.12	7.733	3.53	10.73	1.18
1.750	1.18	4.750	4.12	7.750	3.53	10.75	1.18
1.767	1.18	4.767	4.71	7.767	3.53	10.77	1.18
1.783	1.18	4.783	4.71	7.783	3.53	10.78	1.18
1.800	1.18	4.800	4.71	7.800	3.53	10.80	1.18
1.817	1.18	4.817	4.71	7.817	3.53	10.82	1.18
1.833	1.18	4.833	4.71	7.833	3.53	10.83	1.18
1.850	1.18	4.850	4.71	7.850	3.53	10.85	1.18
1.867	1.18	4.867	4.71	7.867	3.53	10.87	1.18
1.883	1.18	4.883	4.71	7.883	3.53	10.88	1.18
1.900	1.18	4.900	4.71	7.900	3.53	10.90	1.18
1.917	1.18	4.917	4.71	7.917	3.53	10.92	1.18
1.933	1.18	4.933	4.71	7.933	3.53	10.93	1.18
1.950	1.18	4.950	4.71	7.950	3.53	10.95	1.18
1.967	1.18	4.967	4.71	7.967	3.53	10.97	1.18
1.983	1.18	4.983	4.71	7.983	3.53	10.98	1.18
2.000	1.18	5.000	4.71	8.000	3.53	11.00	1.18
2.017	1.77	5.017	5.89	8.017	2.95	11.02	1.18
2.033	1.77	5.033	5.89	8.033	2.95	11.03	1.18
2.050	1.77	5.050	5.89	8.050	2.95	11.05	1.18
2.067	1.77	5.067	5.89	8.067	2.95	11.07	1.18
2.083	1.77	5.083	5.89	8.083	2.95	11.08	1.18
2.100	1.77	5.100	5.89	8.100	2.95	11.10	1.18
2.117	1.77	5.117	5.89	8.117	2.95	11.12	1.18
2.133	1.77	5.133	5.89	8.133	2.95	11.13	1.18
2.150	1.77	5.150	5.89	8.150	2.95	11.15	1.18

2.167	1.77	5.167	5.89	8.167	2.95	11.17	1.18
2.183	1.77	5.183	5.89	8.183	2.95	11.18	1.18
2.200	1.77	5.200	5.89	8.200	2.95	11.20	1.18
2.217	1.77	5.217	5.89	8.217	2.95	11.22	1.18
2.233	1.77	5.233	5.89	8.233	2.95	11.23	1.18
2.250	1.77	5.250	5.89	8.250	2.94	11.25	1.18
2.267	2.36	5.267	7.07	8.267	2.36	11.27	1.18
2.283	2.36	5.283	7.07	8.283	2.36	11.28	1.18
2.300	2.36	5.300	7.07	8.300	2.36	11.30	1.18
2.317	2.36	5.317	7.07	8.317	2.36	11.32	1.18
2.333	2.36	5.333	7.07	8.333	2.36	11.33	1.18
2.350	2.36	5.350	7.07	8.350	2.36	11.35	1.18
2.367	2.36	5.367	7.07	8.367	2.36	11.37	1.18
2.383	2.36	5.383	7.07	8.383	2.36	11.38	1.18
2.400	2.36	5.400	7.07	8.400	2.36	11.40	1.18
2.417	2.36	5.417	7.07	8.417	2.36	11.42	1.18
2.433	2.36	5.433	7.07	8.433	2.36	11.43	1.18
2.450	2.36	5.450	7.07	8.450	2.36	11.45	1.18
2.467	2.36	5.467	7.07	8.467	2.36	11.47	1.18
2.483	2.36	5.483	7.07	8.483	2.36	11.48	1.18
2.500	2.36	5.500	7.09	8.500	2.36	11.50	1.18
2.517	2.36	5.517	30.04	8.517	2.36	11.52	1.18
2.533	2.36	5.533	30.04	8.533	2.36	11.53	1.18
2.550	2.36	5.550	30.04	8.550	2.36	11.55	1.18
2.567	2.36	5.567	30.04	8.567	2.36	11.57	1.18
2.583	2.36	5.583	30.04	8.583	2.36	11.58	1.18
2.600	2.36	5.600	30.04	8.600	2.36	11.60	1.18
2.617	2.36	5.617	30.04	8.617	2.36	11.62	1.18
2.633	2.36	5.633	30.04	8.633	2.36	11.63	1.18
2.650	2.36	5.650	30.04	8.650	2.36	11.65	1.18
2.667	2.36	5.667	30.04	8.667	2.36	11.67	1.18
2.683	2.36	5.683	30.04	8.683	2.36	11.68	1.18
2.700	2.36	5.700	30.04	8.700	2.36	11.70	1.18
2.717	2.36	5.717	30.04	8.717	2.36	11.72	1.18
2.733	2.36	5.733	30.04	8.733	2.36	11.73	1.18
2.750	2.36	5.750	30.07	8.750	2.36	11.75	1.18
2.767	2.36	5.767	53.02	8.767	2.36	11.77	1.18
2.783	2.36	5.783	53.02	8.783	2.36	11.78	1.18
2.800	2.36	5.800	53.02	8.800	2.36	11.80	1.18
2.817	2.36	5.817	53.02	8.817	2.36	11.82	1.18
2.833	2.36	5.833	53.02	8.833	2.36	11.83	1.18
2.850	2.36	5.850	53.02	8.850	2.36	11.85	1.18
2.867	2.36	5.867	53.02	8.867	2.36	11.87	1.18
2.883	2.36	5.883	53.02	8.883	2.36	11.88	1.18
2.900	2.36	5.900	53.02	8.900	2.36	11.90	1.18
2.917	2.36	5.917	53.02	8.917	2.36	11.92	1.18
2.933	2.36	5.933	53.02	8.933	2.36	11.93	1.18
2.950	2.36	5.950	53.02	8.950	2.36	11.95	1.18
2.967	2.36	5.967	53.02	8.967	2.36	11.97	1.18
2.983	2.36	5.983	53.02	8.983	2.36	11.98	1.18
3.000	2.36	6.000	52.99	9.000	2.36	12.00	1.18

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.130 (i)
TIME TO PEAK (hrs)= 7.633
RUNOFF VOLUME (mm)= 9.568
TOTAL RAINFALL (mm)= 58.762
RUNOFF COEFFICIENT = 0.163

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0001)
ID= 1 DT= 1.0 min

Area (ha)= 1.18
Total Imp(%)= 22.00 Dir. Conn.(%)= 22.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.26	0.92
Dep. Storage	(mm)=	2.00	5.00
Average slope	(%)=	1.00	2.00
Length	(m)=	88.84	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.59	3.017	2.36	6.017	31.81	9.02	2.36
0.033	0.59	3.033	2.36	6.033	31.81	9.03	2.36
0.050	0.59	3.050	2.36	6.050	31.81	9.05	2.36

0.067	0.59	3.067	2.36	6.067	31.81	9.07	2.36
0.083	0.59	3.083	2.36	6.083	31.81	9.08	2.36
0.100	0.59	3.100	2.36	6.100	31.81	9.10	2.36
0.117	0.59	3.117	2.36	6.117	31.81	9.12	2.36
0.133	0.59	3.133	2.36	6.133	31.81	9.13	2.36
0.150	0.59	3.150	2.36	6.150	31.81	9.15	2.36
0.167	0.59	3.167	2.36	6.167	31.81	9.17	2.36
0.183	0.59	3.183	2.36	6.183	31.81	9.18	2.36
0.200	0.59	3.200	2.36	6.200	31.81	9.20	2.36
0.217	0.59	3.217	2.36	6.217	31.81	9.22	2.36
0.233	0.59	3.233	2.36	6.233	31.81	9.23	2.36
0.250	0.59	3.250	2.36	6.250	31.78	9.25	2.36
0.267	1.18	3.267	2.36	6.267	10.60	9.27	2.36
0.283	1.18	3.283	2.36	6.283	10.60	9.28	2.36
0.300	1.18	3.300	2.36	6.300	10.60	9.30	2.36
0.317	1.18	3.317	2.36	6.317	10.60	9.32	2.36
0.333	1.18	3.333	2.36	6.333	10.60	9.33	2.36
0.350	1.18	3.350	2.36	6.350	10.60	9.35	2.36
0.367	1.18	3.367	2.36	6.367	10.60	9.37	2.36
0.383	1.18	3.383	2.36	6.383	10.60	9.38	2.36
0.400	1.18	3.400	2.36	6.400	10.60	9.40	2.36
0.417	1.18	3.417	2.36	6.417	10.60	9.42	2.36
0.433	1.18	3.433	2.36	6.433	10.60	9.43	2.36
0.450	1.18	3.450	2.36	6.450	10.60	9.45	2.36
0.467	1.18	3.467	2.36	6.467	10.60	9.47	2.36
0.483	1.18	3.483	2.36	6.483	10.60	9.48	2.36
0.500	1.18	3.500	2.36	6.500	10.60	9.50	2.36
0.517	1.18	3.517	2.36	6.517	7.66	9.52	1.77
0.533	1.18	3.533	2.36	6.533	7.66	9.53	1.77
0.550	1.18	3.550	2.36	6.550	7.66	9.55	1.77
0.567	1.18	3.567	2.36	6.567	7.66	9.57	1.77
0.583	1.18	3.583	2.36	6.583	7.66	9.58	1.77
0.600	1.18	3.600	2.36	6.600	7.66	9.60	1.77
0.617	1.18	3.617	2.36	6.617	7.66	9.62	1.77
0.633	1.18	3.633	2.36	6.633	7.66	9.63	1.77
0.650	1.18	3.650	2.36	6.650	7.66	9.65	1.77
0.667	1.18	3.667	2.36	6.667	7.66	9.67	1.77
0.683	1.18	3.683	2.36	6.683	7.66	9.68	1.77
0.700	1.18	3.700	2.36	6.700	7.66	9.70	1.77
0.717	1.18	3.717	2.36	6.717	7.66	9.72	1.77
0.733	1.18	3.733	2.36	6.733	7.66	9.73	1.77
0.750	1.18	3.750	2.36	6.750	7.65	9.75	1.77
0.767	1.18	3.767	2.36	6.767	4.71	9.77	1.18
0.783	1.18	3.783	2.36	6.783	4.71	9.78	1.18
0.800	1.18	3.800	2.36	6.800	4.71	9.80	1.18
0.817	1.18	3.817	2.36	6.817	4.71	9.82	1.18
0.833	1.18	3.833	2.36	6.833	4.71	9.83	1.18
0.850	1.18	3.850	2.36	6.850	4.71	9.85	1.18
0.867	1.18	3.867	2.36	6.867	4.71	9.87	1.18
0.883	1.18	3.883	2.36	6.883	4.71	9.88	1.18
0.900	1.18	3.900	2.36	6.900	4.71	9.90	1.18
0.917	1.18	3.917	2.36	6.917	4.71	9.92	1.18
0.933	1.18	3.933	2.36	6.933	4.71	9.93	1.18
0.950	1.18	3.950	2.36	6.950	4.71	9.95	1.18
0.967	1.18	3.967	2.36	6.967	4.71	9.97	1.18
0.983	1.18	3.983	2.36	6.983	4.71	9.98	1.18
1.000	1.18	4.000	2.36	7.000	4.71	10.00	1.18
1.017	1.18	4.017	2.95	7.017	4.12	10.02	1.18
1.033	1.18	4.033	2.95	7.033	4.12	10.03	1.18
1.050	1.18	4.050	2.95	7.050	4.12	10.05	1.18
1.067	1.18	4.067	2.95	7.067	4.12	10.07	1.18
1.083	1.18	4.083	2.95	7.083	4.12	10.08	1.18
1.100	1.18	4.100	2.95	7.100	4.12	10.10	1.18
1.117	1.18	4.117	2.95	7.117	4.12	10.12	1.18
1.133	1.18	4.133	2.95	7.133	4.12	10.13	1.18
1.150	1.18	4.150	2.95	7.150	4.12	10.15	1.18
1.167	1.18	4.167	2.95	7.167	4.12	10.17	1.18
1.183	1.18	4.183	2.95	7.183	4.12	10.18	1.18
1.200	1.18	4.200	2.95	7.200	4.12	10.20	1.18
1.217	1.18	4.217	2.95	7.217	4.12	10.22	1.18
1.233	1.18	4.233	2.95	7.233	4.12	10.23	1.18
1.250	1.18	4.250	2.95	7.250	4.12	10.25	1.18
1.267	1.18	4.267	3.53	7.267	3.53	10.27	1.18
1.283	1.18	4.283	3.53	7.283	3.53	10.28	1.18
1.300	1.18	4.300	3.53	7.300	3.53	10.30	1.18
1.317	1.18	4.317	3.53	7.317	3.53	10.32	1.18
1.333	1.18	4.333	3.53	7.333	3.53	10.33	1.18
1.350	1.18	4.350	3.53	7.350	3.53	10.35	1.18
1.367	1.18	4.367	3.53	7.367	3.53	10.37	1.18
1.383	1.18	4.383	3.53	7.383	3.53	10.38	1.18
1.400	1.18	4.400	3.53	7.400	3.53	10.40	1.18
1.417	1.18	4.417	3.53	7.417	3.53	10.42	1.18
1.433	1.18	4.433	3.53	7.433	3.53	10.43	1.18
1.450	1.18	4.450	3.53	7.450	3.53	10.45	1.18

1.467	1.18	4.467	3.53	7.467	3.53	10.47	1.18
1.483	1.18	4.483	3.53	7.483	3.53	10.48	1.18
1.500	1.18	4.500	3.53	7.500	3.53	10.50	1.18
1.517	1.18	4.517	4.12	7.517	3.53	10.52	1.18
1.533	1.18	4.533	4.12	7.533	3.53	10.53	1.18
1.550	1.18	4.550	4.12	7.550	3.53	10.55	1.18
1.567	1.18	4.567	4.12	7.567	3.53	10.57	1.18
1.583	1.18	4.583	4.12	7.583	3.53	10.58	1.18
1.600	1.18	4.600	4.12	7.600	3.53	10.60	1.18
1.617	1.18	4.617	4.12	7.617	3.53	10.62	1.18
1.633	1.18	4.633	4.12	7.633	3.53	10.63	1.18
1.650	1.18	4.650	4.12	7.650	3.53	10.65	1.18
1.667	1.18	4.667	4.12	7.667	3.53	10.67	1.18
1.683	1.18	4.683	4.12	7.683	3.53	10.68	1.18
1.700	1.18	4.700	4.12	7.700	3.53	10.70	1.18
1.717	1.18	4.717	4.12	7.717	3.53	10.72	1.18
1.733	1.18	4.733	4.12	7.733	3.53	10.73	1.18
1.750	1.18	4.750	4.12	7.750	3.53	10.75	1.18
1.767	1.18	4.767	4.71	7.767	3.53	10.77	1.18
1.783	1.18	4.783	4.71	7.783	3.53	10.78	1.18
1.800	1.18	4.800	4.71	7.800	3.53	10.80	1.18
1.817	1.18	4.817	4.71	7.817	3.53	10.82	1.18
1.833	1.18	4.833	4.71	7.833	3.53	10.83	1.18
1.850	1.18	4.850	4.71	7.850	3.53	10.85	1.18
1.867	1.18	4.867	4.71	7.867	3.53	10.87	1.18
1.883	1.18	4.883	4.71	7.883	3.53	10.88	1.18
1.900	1.18	4.900	4.71	7.900	3.53	10.90	1.18
1.917	1.18	4.917	4.71	7.917	3.53	10.92	1.18
1.933	1.18	4.933	4.71	7.933	3.53	10.93	1.18
1.950	1.18	4.950	4.71	7.950	3.53	10.95	1.18
1.967	1.18	4.967	4.71	7.967	3.53	10.97	1.18
1.983	1.18	4.983	4.71	7.983	3.53	10.98	1.18
2.000	1.18	5.000	4.71	8.000	3.53	11.00	1.18
2.017	1.77	5.017	5.89	8.017	2.95	11.02	1.18
2.033	1.77	5.033	5.89	8.033	2.95	11.03	1.18
2.050	1.77	5.050	5.89	8.050	2.95	11.05	1.18
2.067	1.77	5.067	5.89	8.067	2.95	11.07	1.18
2.083	1.77	5.083	5.89	8.083	2.95	11.08	1.18
2.100	1.77	5.100	5.89	8.100	2.95	11.10	1.18
2.117	1.77	5.117	5.89	8.117	2.95	11.12	1.18
2.133	1.77	5.133	5.89	8.133	2.95	11.13	1.18
2.150	1.77	5.150	5.89	8.150	2.95	11.15	1.18
2.167	1.77	5.167	5.89	8.167	2.95	11.17	1.18
2.183	1.77	5.183	5.89	8.183	2.95	11.18	1.18
2.200	1.77	5.200	5.89	8.200	2.95	11.20	1.18
2.217	1.77	5.217	5.89	8.217	2.95	11.22	1.18
2.233	1.77	5.233	5.89	8.233	2.95	11.23	1.18
2.250	1.77	5.250	5.89	8.250	2.94	11.25	1.18
2.267	2.36	5.267	7.07	8.267	2.36	11.27	1.18
2.283	2.36	5.283	7.07	8.283	2.36	11.28	1.18
2.300	2.36	5.300	7.07	8.300	2.36	11.30	1.18
2.317	2.36	5.317	7.07	8.317	2.36	11.32	1.18
2.333	2.36	5.333	7.07	8.333	2.36	11.33	1.18
2.350	2.36	5.350	7.07	8.350	2.36	11.35	1.18
2.367	2.36	5.367	7.07	8.367	2.36	11.37	1.18
2.383	2.36	5.383	7.07	8.383	2.36	11.38	1.18
2.400	2.36	5.400	7.07	8.400	2.36	11.40	1.18
2.417	2.36	5.417	7.07	8.417	2.36	11.42	1.18
2.433	2.36	5.433	7.07	8.433	2.36	11.43	1.18
2.450	2.36	5.450	7.07	8.450	2.36	11.45	1.18
2.467	2.36	5.467	7.07	8.467	2.36	11.47	1.18
2.483	2.36	5.483	7.07	8.483	2.36	11.48	1.18
2.500	2.36	5.500	7.09	8.500	2.36	11.50	1.18
2.517	2.36	5.517	30.04	8.517	2.36	11.52	1.18
2.533	2.36	5.533	30.04	8.533	2.36	11.53	1.18
2.550	2.36	5.550	30.04	8.550	2.36	11.55	1.18
2.567	2.36	5.567	30.04	8.567	2.36	11.57	1.18
2.583	2.36	5.583	30.04	8.583	2.36	11.58	1.18
2.600	2.36	5.600	30.04	8.600	2.36	11.60	1.18
2.617	2.36	5.617	30.04	8.617	2.36	11.62	1.18
2.633	2.36	5.633	30.04	8.633	2.36	11.63	1.18
2.650	2.36	5.650	30.04	8.650	2.36	11.65	1.18
2.667	2.36	5.667	30.04	8.667	2.36	11.67	1.18
2.683	2.36	5.683	30.04	8.683	2.36	11.68	1.18
2.700	2.36	5.700	30.04	8.700	2.36	11.70	1.18
2.717	2.36	5.717	30.04	8.717	2.36	11.72	1.18
2.733	2.36	5.733	30.04	8.733	2.36	11.73	1.18
2.750	2.36	5.750	30.07	8.750	2.36	11.75	1.18
2.767	2.36	5.767	53.02	8.767	2.36	11.77	1.18
2.783	2.36	5.783	53.02	8.783	2.36	11.78	1.18
2.800	2.36	5.800	53.02	8.800	2.36	11.80	1.18
2.817	2.36	5.817	53.02	8.817	2.36	11.82	1.18
2.833	2.36	5.833	53.02	8.833	2.36	11.83	1.18
2.850	2.36	5.850	53.02	8.850	2.36	11.85	1.18

TRANSFORMED HYETOGRAPH							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr

0.017	0.68	3.017	2.71	6.017	36.54	9.02	2.71
0.033	0.68	3.033	2.71	6.033	36.54	9.03	2.71
0.050	0.68	3.050	2.71	6.050	36.54	9.05	2.71
0.067	0.68	3.067	2.71	6.067	36.54	9.07	2.71
0.083	0.68	3.083	2.71	6.083	36.54	9.08	2.71
0.100	0.68	3.100	2.71	6.100	36.54	9.10	2.71
0.117	0.68	3.117	2.71	6.117	36.54	9.12	2.71
0.133	0.68	3.133	2.71	6.133	36.54	9.13	2.71
0.150	0.68	3.150	2.71	6.150	36.54	9.15	2.71
0.167	0.68	3.167	2.71	6.167	36.54	9.17	2.71
0.183	0.68	3.183	2.71	6.183	36.54	9.18	2.71
0.200	0.68	3.200	2.71	6.200	36.54	9.20	2.71
0.217	0.68	3.217	2.71	6.217	36.54	9.22	2.71
0.233	0.68	3.233	2.71	6.233	36.54	9.23	2.71
0.250	0.68	3.250	2.71	6.250	36.50	9.25	2.71
0.267	1.35	3.267	2.71	6.267	12.18	9.27	2.71
0.283	1.35	3.283	2.71	6.283	12.18	9.28	2.71
0.300	1.35	3.300	2.71	6.300	12.18	9.30	2.71
0.317	1.35	3.317	2.71	6.317	12.18	9.32	2.71
0.333	1.35	3.333	2.71	6.333	12.18	9.33	2.71
0.350	1.35	3.350	2.71	6.350	12.18	9.35	2.71
0.367	1.35	3.367	2.71	6.367	12.18	9.37	2.71
0.383	1.35	3.383	2.71	6.383	12.18	9.38	2.71
0.400	1.35	3.400	2.71	6.400	12.18	9.40	2.71
0.417	1.35	3.417	2.71	6.417	12.18	9.42	2.71
0.433	1.35	3.433	2.71	6.433	12.18	9.43	2.71
0.450	1.35	3.450	2.71	6.450	12.18	9.45	2.71
0.467	1.35	3.467	2.71	6.467	12.18	9.47	2.71
0.483	1.35	3.483	2.71	6.483	12.18	9.48	2.71
0.500	1.35	3.500	2.71	6.500	12.17	9.50	2.71
0.517	1.35	3.517	2.71	6.517	8.80	9.52	2.03
0.533	1.35	3.533	2.71	6.533	8.80	9.53	2.03
0.550	1.35	3.550	2.71	6.550	8.80	9.55	2.03
0.567	1.35	3.567	2.71	6.567	8.80	9.57	2.03
0.583	1.35	3.583	2.71	6.583	8.80	9.58	2.03
0.600	1.35	3.600	2.71	6.600	8.80	9.60	2.03
0.617	1.35	3.617	2.71	6.617	8.80	9.62	2.03
0.633	1.35	3.633	2.71	6.633	8.80	9.63	2.03
0.650	1.35	3.650	2.71	6.650	8.80	9.65	2.03
0.667	1.35	3.667	2.71	6.667	8.80	9.67	2.03
0.683	1.35	3.683	2.71	6.683	8.80	9.68	2.03
0.700	1.35	3.700	2.71	6.700	8.80	9.70	2.03
0.717	1.35	3.717	2.71	6.717	8.80	9.72	2.03
0.733	1.35	3.733	2.71	6.733	8.80	9.73	2.03
0.750	1.35	3.750	2.71	6.750	8.79	9.75	2.03
0.767	1.35	3.767	2.71	6.767	5.41	9.77	1.35
0.783	1.35	3.783	2.71	6.783	5.41	9.78	1.35
0.800	1.35	3.800	2.71	6.800	5.41	9.80	1.35
0.817	1.35	3.817	2.71	6.817	5.41	9.82	1.35
0.833	1.35	3.833	2.71	6.833	5.41	9.83	1.35
0.850	1.35	3.850	2.71	6.850	5.41	9.85	1.35
0.867	1.35	3.867	2.71	6.867	5.41	9.87	1.35
0.883	1.35	3.883	2.71	6.883	5.41	9.88	1.35
0.900	1.35	3.900	2.71	6.900	5.41	9.90	1.35
0.917	1.35	3.917	2.71	6.917	5.41	9.92	1.35
0.933	1.35	3.933	2.71	6.933	5.41	9.93	1.35
0.950	1.35	3.950	2.71	6.950	5.41	9.95	1.35
0.967	1.35	3.967	2.71	6.967	5.41	9.97	1.35
0.983	1.35	3.983	2.71	6.983	5.41	9.98	1.35
1.000	1.35	4.000	2.71	7.000	5.41	10.00	1.35
1.017	1.35	4.017	3.38	7.017	4.74	10.02	1.35
1.033	1.35	4.033	3.38	7.033	4.74	10.03	1.35
1.050	1.35	4.050	3.38	7.050	4.74	10.05	1.35
1.067	1.35	4.067	3.38	7.067	4.74	10.07	1.35
1.083	1.35	4.083	3.38	7.083	4.74	10.08	1.35
1.100	1.35	4.100	3.38	7.100	4.74	10.10	1.35
1.117	1.35	4.117	3.38	7.117	4.74	10.12	1.35
1.133	1.35	4.133	3.38	7.133	4.74	10.13	1.35
1.150	1.35	4.150	3.38	7.150	4.74	10.15	1.35
1.167	1.35	4.167	3.38	7.167	4.74	10.17	1.35
1.183	1.35	4.183	3.38	7.183	4.74	10.18	1.35
1.200	1.35	4.200	3.38	7.200	4.74	10.20	1.35
1.217	1.35	4.217	3.38	7.217	4.74	10.22	1.35
1.233	1.35	4.233	3.38	7.233	4.74	10.23	1.35
1.250	1.35	4.250	3.38	7.250	4.74	10.25	1.35
1.267	1.35	4.267	4.06	7.267	4.06	10.27	1.35
1.283	1.35	4.283	4.06	7.283	4.06	10.28	1.35
1.300	1.35	4.300	4.06	7.300	4.06	10.30	1.35
1.317	1.35	4.317	4.06	7.317	4.06	10.32	1.35
1.333	1.35	4.333	4.06	7.333	4.06	10.33	1.35
1.350	1.35	4.350	4.06	7.350	4.06	10.35	1.35
1.367	1.35	4.367	4.06	7.367	4.06	10.37	1.35
1.383	1.35	4.383	4.06	7.383	4.06	10.38	1.35
1.400	1.35	4.400	4.06	7.400	4.06	10.40	1.35

1.417	1.35	4.417	4.06	7.417	4.06	10.42	1.35
1.433	1.35	4.433	4.06	7.433	4.06	10.43	1.35
1.450	1.35	4.450	4.06	7.450	4.06	10.45	1.35
1.467	1.35	4.467	4.06	7.467	4.06	10.47	1.35
1.483	1.35	4.483	4.06	7.483	4.06	10.48	1.35
1.500	1.35	4.500	4.06	7.500	4.06	10.50	1.35
1.517	1.35	4.517	4.74	7.517	4.06	10.52	1.35
1.533	1.35	4.533	4.74	7.533	4.06	10.53	1.35
1.550	1.35	4.550	4.74	7.550	4.06	10.55	1.35
1.567	1.35	4.567	4.74	7.567	4.06	10.57	1.35
1.583	1.35	4.583	4.74	7.583	4.06	10.58	1.35
1.600	1.35	4.600	4.74	7.600	4.06	10.60	1.35
1.617	1.35	4.617	4.74	7.617	4.06	10.62	1.35
1.633	1.35	4.633	4.74	7.633	4.06	10.63	1.35
1.650	1.35	4.650	4.74	7.650	4.06	10.65	1.35
1.667	1.35	4.667	4.74	7.667	4.06	10.67	1.35
1.683	1.35	4.683	4.74	7.683	4.06	10.68	1.35
1.700	1.35	4.700	4.74	7.700	4.06	10.70	1.35
1.717	1.35	4.717	4.74	7.717	4.06	10.72	1.35
1.733	1.35	4.733	4.74	7.733	4.06	10.73	1.35
1.750	1.35	4.750	4.74	7.750	4.06	10.75	1.35
1.767	1.35	4.767	5.41	7.767	4.06	10.77	1.35
1.783	1.35	4.783	5.41	7.783	4.06	10.78	1.35
1.800	1.35	4.800	5.41	7.800	4.06	10.80	1.35
1.817	1.35	4.817	5.41	7.817	4.06	10.82	1.35
1.833	1.35	4.833	5.41	7.833	4.06	10.83	1.35
1.850	1.35	4.850	5.41	7.850	4.06	10.85	1.35
1.867	1.35	4.867	5.41	7.867	4.06	10.87	1.35
1.883	1.35	4.883	5.41	7.883	4.06	10.88	1.35
1.900	1.35	4.900	5.41	7.900	4.06	10.90	1.35
1.917	1.35	4.917	5.41	7.917	4.06	10.92	1.35
1.933	1.35	4.933	5.41	7.933	4.06	10.93	1.35
1.950	1.35	4.950	5.41	7.950	4.06	10.95	1.35
1.967	1.35	4.967	5.41	7.967	4.06	10.97	1.35
1.983	1.35	4.983	5.41	7.983	4.06	10.98	1.35
2.000	1.35	5.000	5.41	8.000	4.06	11.00	1.35
2.017	2.03	5.017	6.77	8.017	3.38	11.02	1.35
2.033	2.03	5.033	6.77	8.033	3.38	11.03	1.35
2.050	2.03	5.050	6.77	8.050	3.38	11.05	1.35
2.067	2.03	5.067	6.77	8.067	3.38	11.07	1.35
2.083	2.03	5.083	6.77	8.083	3.38	11.08	1.35
2.100	2.03	5.100	6.77	8.100	3.38	11.10	1.35
2.117	2.03	5.117	6.77	8.117	3.38	11.12	1.35
2.133	2.03	5.133	6.77	8.133	3.38	11.13	1.35
2.150	2.03	5.150	6.77	8.150	3.38	11.15	1.35
2.167	2.03	5.167	6.77	8.167	3.38	11.17	1.35
2.183	2.03	5.183	6.77	8.183	3.38	11.18	1.35
2.200	2.03	5.200	6.77	8.200	3.38	11.20	1.35
2.217	2.03	5.217	6.77	8.217	3.38	11.22	1.35
2.233	2.03	5.233	6.77	8.233	3.38	11.23	1.35
2.250	2.03	5.250	6.77	8.250	3.38	11.25	1.35
2.267	2.71	5.267	8.12	8.267	2.71	11.27	1.35
2.283	2.71	5.283	8.12	8.283	2.71	11.28	1.35
2.300	2.71	5.300	8.12	8.300	2.71	11.30	1.35
2.317	2.71	5.317	8.12	8.317	2.71	11.32	1.35
2.333	2.71	5.333	8.12	8.333	2.71	11.33	1.35
2.350	2.71	5.350	8.12	8.350	2.71	11.35	1.35
2.367	2.71	5.367	8.12	8.367	2.71	11.37	1.35
2.383	2.71	5.383	8.12	8.383	2.71	11.38	1.35
2.400	2.71	5.400	8.12	8.400	2.71	11.40	1.35
2.417	2.71	5.417	8.12	8.417	2.71	11.42	1.35
2.433	2.71	5.433	8.12	8.433	2.71	11.43	1.35
2.450	2.71	5.450	8.12	8.450	2.71	11.45	1.35
2.467	2.71	5.467	8.12	8.467	2.71	11.47	1.35
2.483	2.71	5.483	8.12	8.483	2.71	11.48	1.35
2.500	2.71	5.500	8.15	8.500	2.71	11.50	1.35
2.517	2.71	5.517	34.51	8.517	2.71	11.52	1.35
2.533	2.71	5.533	34.51	8.533	2.71	11.53	1.35
2.550	2.71	5.550	34.51	8.550	2.71	11.55	1.35
2.567	2.71	5.567	34.51	8.567	2.71	11.57	1.35
2.583	2.71	5.583	34.51	8.583	2.71	11.58	1.35
2.600	2.71	5.600	34.51	8.600	2.71	11.60	1.35
2.617	2.71	5.617	34.51	8.617	2.71	11.62	1.35
2.633	2.71	5.633	34.51	8.633	2.71	11.63	1.35
2.650	2.71	5.650	34.51	8.650	2.71	11.65	1.35
2.667	2.71	5.667	34.51	8.667	2.71	11.67	1.35
2.683	2.71	5.683	34.51	8.683	2.71	11.68	1.35
2.700	2.71	5.700	34.51	8.700	2.71	11.70	1.35
2.717	2.71	5.717	34.51	8.717	2.71	11.72	1.35
2.733	2.71	5.733	34.51	8.733	2.71	11.73	1.35
2.750	2.71	5.750	34.54	8.750	2.71	11.75	1.35
2.767	2.71	5.767	60.90	8.767	2.71	11.77	1.35
2.783	2.71	5.783	60.90	8.783	2.71	11.78	1.35
2.800	2.71	5.800	60.90	8.800	2.71	11.80	1.35

2.817	2.71	5.817	60.90	8.817	2.71	11.82	1.35
2.833	2.71	5.833	60.90	8.833	2.71	11.83	1.35
2.850	2.71	5.850	60.90	8.850	2.71	11.85	1.35
2.867	2.71	5.867	60.90	8.867	2.71	11.87	1.35
2.883	2.71	5.883	60.90	8.883	2.71	11.88	1.35
2.900	2.71	5.900	60.90	8.900	2.71	11.90	1.35
2.917	2.71	5.917	60.90	8.917	2.71	11.92	1.35
2.933	2.71	5.933	60.90	8.933	2.71	11.93	1.35
2.950	2.71	5.950	60.90	8.950	2.71	11.95	1.35
2.967	2.71	5.967	60.90	8.967	2.71	11.97	1.35
2.983	2.71	5.983	60.90	8.983	2.71	11.98	1.35
3.000	2.71	6.000	60.87	9.000	2.71	12.00	1.35

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.176 (i)
 TIME TO PEAK (hrs)= 7.600
 RUNOFF VOLUME (mm)= 12.798
 TOTAL RAINFALL (mm)= 67.500
 RUNOFF COEFFICIENT = 0.190

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB STANDHYD (0001) ID= 1 DT= 1.0 min	Area (ha)= 1.18 Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.68	3.017	2.71	6.017	36.54	9.02	2.71
0.033	0.68	3.033	2.71	6.033	36.54	9.03	2.71
0.050	0.68	3.050	2.71	6.050	36.54	9.05	2.71
0.067	0.68	3.067	2.71	6.067	36.54	9.07	2.71
0.083	0.68	3.083	2.71	6.083	36.54	9.08	2.71
0.100	0.68	3.100	2.71	6.100	36.54	9.10	2.71
0.117	0.68	3.117	2.71	6.117	36.54	9.12	2.71
0.133	0.68	3.133	2.71	6.133	36.54	9.13	2.71
0.150	0.68	3.150	2.71	6.150	36.54	9.15	2.71
0.167	0.68	3.167	2.71	6.167	36.54	9.17	2.71
0.183	0.68	3.183	2.71	6.183	36.54	9.18	2.71
0.200	0.68	3.200	2.71	6.200	36.54	9.20	2.71
0.217	0.68	3.217	2.71	6.217	36.54	9.22	2.71
0.233	0.68	3.233	2.71	6.233	36.54	9.23	2.71
0.250	0.68	3.250	2.71	6.250	36.50	9.25	2.71
0.267	1.35	3.267	2.71	6.267	12.18	9.27	2.71
0.283	1.35	3.283	2.71	6.283	12.18	9.28	2.71
0.300	1.35	3.300	2.71	6.300	12.18	9.30	2.71
0.317	1.35	3.317	2.71	6.317	12.18	9.32	2.71
0.333	1.35	3.333	2.71	6.333	12.18	9.33	2.71
0.350	1.35	3.350	2.71	6.350	12.18	9.35	2.71
0.367	1.35	3.367	2.71	6.367	12.18	9.37	2.71
0.383	1.35	3.383	2.71	6.383	12.18	9.38	2.71
0.400	1.35	3.400	2.71	6.400	12.18	9.40	2.71
0.417	1.35	3.417	2.71	6.417	12.18	9.42	2.71
0.433	1.35	3.433	2.71	6.433	12.18	9.43	2.71
0.450	1.35	3.450	2.71	6.450	12.18	9.45	2.71
0.467	1.35	3.467	2.71	6.467	12.18	9.47	2.71
0.483	1.35	3.483	2.71	6.483	12.18	9.48	2.71
0.500	1.35	3.500	2.71	6.500	12.17	9.50	2.71
0.517	1.35	3.517	2.71	6.517	8.80	9.52	2.03
0.533	1.35	3.533	2.71	6.533	8.80	9.53	2.03
0.550	1.35	3.550	2.71	6.550	8.80	9.55	2.03
0.567	1.35	3.567	2.71	6.567	8.80	9.57	2.03
0.583	1.35	3.583	2.71	6.583	8.80	9.58	2.03
0.600	1.35	3.600	2.71	6.600	8.80	9.60	2.03
0.617	1.35	3.617	2.71	6.617	8.80	9.62	2.03
0.633	1.35	3.633	2.71	6.633	8.80	9.63	2.03
0.650	1.35	3.650	2.71	6.650	8.80	9.65	2.03
0.667	1.35	3.667	2.71	6.667	8.80	9.67	2.03
0.683	1.35	3.683	2.71	6.683	8.80	9.68	2.03
0.700	1.35	3.700	2.71	6.700	8.80	9.70	2.03

0.717	1.35	3.717	2.71	6.717	8.80	9.72	2.03
0.733	1.35	3.733	2.71	6.733	8.80	9.73	2.03
0.750	1.35	3.750	2.71	6.750	8.79	9.75	2.03
0.767	1.35	3.767	2.71	6.767	5.41	9.77	1.35
0.783	1.35	3.783	2.71	6.783	5.41	9.78	1.35
0.800	1.35	3.800	2.71	6.800	5.41	9.80	1.35
0.817	1.35	3.817	2.71	6.817	5.41	9.82	1.35
0.833	1.35	3.833	2.71	6.833	5.41	9.83	1.35
0.850	1.35	3.850	2.71	6.850	5.41	9.85	1.35
0.867	1.35	3.867	2.71	6.867	5.41	9.87	1.35
0.883	1.35	3.883	2.71	6.883	5.41	9.88	1.35
0.900	1.35	3.900	2.71	6.900	5.41	9.90	1.35
0.917	1.35	3.917	2.71	6.917	5.41	9.92	1.35
0.933	1.35	3.933	2.71	6.933	5.41	9.93	1.35
0.950	1.35	3.950	2.71	6.950	5.41	9.95	1.35
0.967	1.35	3.967	2.71	6.967	5.41	9.97	1.35
0.983	1.35	3.983	2.71	6.983	5.41	9.98	1.35
1.000	1.35	4.000	2.71	7.000	5.41	10.00	1.35
1.017	1.35	4.017	3.38	7.017	4.74	10.02	1.35
1.033	1.35	4.033	3.38	7.033	4.74	10.03	1.35
1.050	1.35	4.050	3.38	7.050	4.74	10.05	1.35
1.067	1.35	4.067	3.38	7.067	4.74	10.07	1.35
1.083	1.35	4.083	3.38	7.083	4.74	10.08	1.35
1.100	1.35	4.100	3.38	7.100	4.74	10.10	1.35
1.117	1.35	4.117	3.38	7.117	4.74	10.12	1.35
1.133	1.35	4.133	3.38	7.133	4.74	10.13	1.35
1.150	1.35	4.150	3.38	7.150	4.74	10.15	1.35
1.167	1.35	4.167	3.38	7.167	4.74	10.17	1.35
1.183	1.35	4.183	3.38	7.183	4.74	10.18	1.35
1.200	1.35	4.200	3.38	7.200	4.74	10.20	1.35
1.217	1.35	4.217	3.38	7.217	4.74	10.22	1.35
1.233	1.35	4.233	3.38	7.233	4.74	10.23	1.35
1.250	1.35	4.250	3.38	7.250	4.74	10.25	1.35
1.267	1.35	4.267	4.06	7.267	4.06	10.27	1.35
1.283	1.35	4.283	4.06	7.283	4.06	10.28	1.35
1.300	1.35	4.300	4.06	7.300	4.06	10.30	1.35
1.317	1.35	4.317	4.06	7.317	4.06	10.32	1.35
1.333	1.35	4.333	4.06	7.333	4.06	10.33	1.35
1.350	1.35	4.350	4.06	7.350	4.06	10.35	1.35
1.367	1.35	4.367	4.06	7.367	4.06	10.37	1.35
1.383	1.35	4.383	4.06	7.383	4.06	10.38	1.35
1.400	1.35	4.400	4.06	7.400	4.06	10.40	1.35
1.417	1.35	4.417	4.06	7.417	4.06	10.42	1.35
1.433	1.35	4.433	4.06	7.433	4.06	10.43	1.35
1.450	1.35	4.450	4.06	7.450	4.06	10.45	1.35
1.467	1.35	4.467	4.06	7.467	4.06	10.47	1.35
1.483	1.35	4.483	4.06	7.483	4.06	10.48	1.35
1.500	1.35	4.500	4.06	7.500	4.06	10.50	1.35
1.517	1.35	4.517	4.74	7.517	4.06	10.52	1.35
1.533	1.35	4.533	4.74	7.533	4.06	10.53	1.35
1.550	1.35	4.550	4.74	7.550	4.06	10.55	1.35
1.567	1.35	4.567	4.74	7.567	4.06	10.57	1.35
1.583	1.35	4.583	4.74	7.583	4.06	10.58	1.35
1.600	1.35	4.600	4.74	7.600	4.06	10.60	1.35
1.617	1.35	4.617	4.74	7.617	4.06	10.62	1.35
1.633	1.35	4.633	4.74	7.633	4.06	10.63	1.35
1.650	1.35	4.650	4.74	7.650	4.06	10.65	1.35
1.667	1.35	4.667	4.74	7.667	4.06	10.67	1.35
1.683	1.35	4.683	4.74	7.683	4.06	10.68	1.35
1.700	1.35	4.700	4.74	7.700	4.06	10.70	1.35
1.717	1.35	4.717	4.74	7.717	4.06	10.72	1.35
1.733	1.35	4.733	4.74	7.733	4.06	10.73	1.35
1.750	1.35	4.750	4.74	7.750	4.06	10.75	1.35
1.767	1.35	4.767	5.41	7.767	4.06	10.77	1.35
1.783	1.35	4.783	5.41	7.783	4.06	10.78	1.35
1.800	1.35	4.800	5.41	7.800	4.06	10.80	1.35
1.817	1.35	4.817	5.41	7.817	4.06	10.82	1.35
1.833	1.35	4.833	5.41	7.833	4.06	10.83	1.35
1.850	1.35	4.850	5.41	7.850	4.06	10.85	1.35
1.867	1.35	4.867	5.41	7.867	4.06	10.87	1.35
1.883	1.35	4.883	5.41	7.883	4.06	10.88	1.35
1.900	1.35	4.900	5.41	7.900	4.06	10.90	1.35
1.917	1.35	4.917	5.41	7.917	4.06	10.92	1.35
1.933	1.35	4.933	5.41	7.933	4.06	10.93	1.35
1.950	1.35	4.950	5.41	7.950	4.06	10.95	1.35
1.967	1.35	4.967	5.41	7.967	4.06	10.97	1.35
1.983	1.35	4.983	5.41	7.983	4.06	10.98	1.35
2.000	1.35	5.000	5.41	8.000	4.06	11.00	1.35
2.017	2.03	5.017	6.77	8.017	3.38	11.02	1.35
2.033	2.03	5.033	6.77	8.033	3.38	11.03	1.35
2.050	2.03	5.050	6.77	8.050	3.38	11.05	1.35
2.067	2.03	5.067	6.77	8.067	3.38	11.07	1.35
2.083	2.03	5.083	6.77	8.083	3.38	11.08	1.35
2.100	2.03	5.100	6.77	8.100	3.38	11.10	1.35

2.117	2.03	5.117	6.77	8.117	3.38	11.12	1.35
2.133	2.03	5.133	6.77	8.133	3.38	11.13	1.35
2.150	2.03	5.150	6.77	8.150	3.38	11.15	1.35
2.167	2.03	5.167	6.77	8.167	3.38	11.17	1.35
2.183	2.03	5.183	6.77	8.183	3.38	11.18	1.35
2.200	2.03	5.200	6.77	8.200	3.38	11.20	1.35
2.217	2.03	5.217	6.77	8.217	3.38	11.22	1.35
2.233	2.03	5.233	6.77	8.233	3.38	11.23	1.35
2.250	2.03	5.250	6.77	8.250	3.38	11.25	1.35
2.267	2.71	5.267	8.12	8.267	2.71	11.27	1.35
2.283	2.71	5.283	8.12	8.283	2.71	11.28	1.35
2.300	2.71	5.300	8.12	8.300	2.71	11.30	1.35
2.317	2.71	5.317	8.12	8.317	2.71	11.32	1.35
2.333	2.71	5.333	8.12	8.333	2.71	11.33	1.35
2.350	2.71	5.350	8.12	8.350	2.71	11.35	1.35
2.367	2.71	5.367	8.12	8.367	2.71	11.37	1.35
2.383	2.71	5.383	8.12	8.383	2.71	11.38	1.35
2.400	2.71	5.400	8.12	8.400	2.71	11.40	1.35
2.417	2.71	5.417	8.12	8.417	2.71	11.42	1.35
2.433	2.71	5.433	8.12	8.433	2.71	11.43	1.35
2.450	2.71	5.450	8.12	8.450	2.71	11.45	1.35
2.467	2.71	5.467	8.12	8.467	2.71	11.47	1.35
2.483	2.71	5.483	8.12	8.483	2.71	11.48	1.35
2.500	2.71	5.500	8.15	8.500	2.71	11.50	1.35
2.517	2.71	5.517	34.51	8.517	2.71	11.52	1.35
2.533	2.71	5.533	34.51	8.533	2.71	11.53	1.35
2.550	2.71	5.550	34.51	8.550	2.71	11.55	1.35
2.567	2.71	5.567	34.51	8.567	2.71	11.57	1.35
2.583	2.71	5.583	34.51	8.583	2.71	11.58	1.35
2.600	2.71	5.600	34.51	8.600	2.71	11.60	1.35
2.617	2.71	5.617	34.51	8.617	2.71	11.62	1.35
2.633	2.71	5.633	34.51	8.633	2.71	11.63	1.35
2.650	2.71	5.650	34.51	8.650	2.71	11.65	1.35
2.667	2.71	5.667	34.51	8.667	2.71	11.67	1.35
2.683	2.71	5.683	34.51	8.683	2.71	11.68	1.35
2.700	2.71	5.700	34.51	8.700	2.71	11.70	1.35
2.717	2.71	5.717	34.51	8.717	2.71	11.72	1.35
2.733	2.71	5.733	34.51	8.733	2.71	11.73	1.35
2.750	2.71	5.750	34.54	8.750	2.71	11.75	1.35
2.767	2.71	5.767	60.90	8.767	2.71	11.77	1.35
2.783	2.71	5.783	60.90	8.783	2.71	11.78	1.35
2.800	2.71	5.800	60.90	8.800	2.71	11.80	1.35
2.817	2.71	5.817	60.90	8.817	2.71	11.82	1.35
2.833	2.71	5.833	60.90	8.833	2.71	11.83	1.35
2.850	2.71	5.850	60.90	8.850	2.71	11.85	1.35
2.867	2.71	5.867	60.90	8.867	2.71	11.87	1.35
2.883	2.71	5.883	60.90	8.883	2.71	11.88	1.35
2.900	2.71	5.900	60.90	8.900	2.71	11.90	1.35
2.917	2.71	5.917	60.90	8.917	2.71	11.92	1.35
2.933	2.71	5.933	60.90	8.933	2.71	11.93	1.35
2.950	2.71	5.950	60.90	8.950	2.71	11.95	1.35
2.967	2.71	5.967	60.90	8.967	2.71	11.97	1.35
2.983	2.71	5.983	60.90	8.983	2.71	11.98	1.35
3.000	2.71	6.000	60.87	9.000	2.71	12.00	1.35

Max.Eff.Inten.(mm/hr)= 60.90 12.39
over (min) 5.00 20.00
Storage Coeff. (min)= 2.90 (ii) 19.17 (ii)
Unit Hyd. Tpeak (min)= 5.00 20.00
Unit Hyd. peak (cms)= 0.31 0.06

TOTALS

PEAK FLOW (cms)= 0.04 0.02 0.056 (iii)
TIME TO PEAK (hrs)= 6.00 6.35 6.02
RUNOFF VOLUME (mm)= 65.50 14.01 25.33
TOTAL RAINFALL (mm)= 67.50 67.50 67.50
RUNOFF COEFFICIENT = 0.97 0.21 0.38

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)				
1 + 2 = 3				

ID1= 1 (0001):	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
+ ID2= 2 (0003):	1.18	0.056	6.02	25.33
	19.20	0.176	7.60	12.80
=====				
ID = 3 (0005):	20.39	0.184	7.57	13.54

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:3.4 SCS II 12hr 25yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData Local\Temp\ 6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\ee92dc1e
Ptotal= 79.02 mm	Comments: SCS 12 HOUR TYPE II STORM DISTRIBUTION

Duration of storm = 12.00 hrs
 Mass curve time step = 30.00 min
 New Storm time step = 15.00 min

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.79	3.00	3.16	6.00	42.67	9.00	3.16
0.25	1.58	3.25	3.16	6.25	14.22	9.25	3.16
0.50	1.58	3.50	3.16	6.50	10.27	9.50	2.37
0.75	1.58	3.75	3.16	6.75	6.32	9.75	1.58
1.00	1.58	4.00	3.95	7.00	5.53	10.00	1.58
1.25	1.58	4.25	4.74	7.25	4.74	10.25	1.58
1.50	1.58	4.50	5.53	7.50	4.74	10.50	1.58
1.75	1.58	4.75	6.32	7.75	4.74	10.75	1.58
2.00	2.37	5.00	7.90	8.00	3.95	11.00	1.58
2.25	3.16	5.25	9.48	8.25	3.16	11.25	1.58
2.50	3.16	5.50	40.30	8.50	3.16	11.50	1.58
2.75	3.16	5.75	71.12	8.75	3.16	11.75	1.58

CALIB	Area (ha)= 19.20	Curve Number (CN)= 55.0
NASHYD (0003)	Ia (mm)= 9.10	# of Linear Res.(N)= 3.00
ID= 1 DT= 1.0 min	U.H. Tp(hrs)= 1.32	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.79	3.017	3.16	6.017	42.67	9.02	3.16
0.033	0.79	3.033	3.16	6.033	42.67	9.03	3.16
0.050	0.79	3.050	3.16	6.050	42.67	9.05	3.16
0.067	0.79	3.067	3.16	6.067	42.67	9.07	3.16
0.083	0.79	3.083	3.16	6.083	42.67	9.08	3.16
0.100	0.79	3.100	3.16	6.100	42.67	9.10	3.16
0.117	0.79	3.117	3.16	6.117	42.67	9.12	3.16
0.133	0.79	3.133	3.16	6.133	42.67	9.13	3.16
0.150	0.79	3.150	3.16	6.150	42.67	9.15	3.16
0.167	0.79	3.167	3.16	6.167	42.67	9.17	3.16
0.183	0.79	3.183	3.16	6.183	42.67	9.18	3.16
0.200	0.79	3.200	3.16	6.200	42.67	9.20	3.16
0.217	0.79	3.217	3.16	6.217	42.67	9.22	3.16
0.233	0.79	3.233	3.16	6.233	42.67	9.23	3.16
0.250	0.79	3.250	3.16	6.250	42.63	9.25	3.16
0.267	1.58	3.267	3.16	6.267	14.22	9.27	3.16
0.283	1.58	3.283	3.16	6.283	14.22	9.28	3.16
0.300	1.58	3.300	3.16	6.300	14.22	9.30	3.16
0.317	1.58	3.317	3.16	6.317	14.22	9.32	3.16
0.333	1.58	3.333	3.16	6.333	14.22	9.33	3.16
0.350	1.58	3.350	3.16	6.350	14.22	9.35	3.16
0.367	1.58	3.367	3.16	6.367	14.22	9.37	3.16
0.383	1.58	3.383	3.16	6.383	14.22	9.38	3.16
0.400	1.58	3.400	3.16	6.400	14.22	9.40	3.16
0.417	1.58	3.417	3.16	6.417	14.22	9.42	3.16
0.433	1.58	3.433	3.16	6.433	14.22	9.43	3.16
0.450	1.58	3.450	3.16	6.450	14.22	9.45	3.16
0.467	1.58	3.467	3.16	6.467	14.22	9.47	3.16
0.483	1.58	3.483	3.16	6.483	14.22	9.48	3.16
0.500	1.58	3.500	3.16	6.500	14.22	9.50	3.16
0.517	1.58	3.517	3.16	6.517	10.27	9.52	2.37
0.533	1.58	3.533	3.16	6.533	10.27	9.53	2.37
0.550	1.58	3.550	3.16	6.550	10.27	9.55	2.37
0.567	1.58	3.567	3.16	6.567	10.27	9.57	2.37
0.583	1.58	3.583	3.16	6.583	10.27	9.58	2.37
0.600	1.58	3.600	3.16	6.600	10.27	9.60	2.37
0.617	1.58	3.617	3.16	6.617	10.27	9.62	2.37
0.633	1.58	3.633	3.16	6.633	10.27	9.63	2.37
0.650	1.58	3.650	3.16	6.650	10.27	9.65	2.37

0.667	1.58	3.667	3.16	6.667	10.27	9.67	2.37
0.683	1.58	3.683	3.16	6.683	10.27	9.68	2.37
0.700	1.58	3.700	3.16	6.700	10.27	9.70	2.37
0.717	1.58	3.717	3.16	6.717	10.27	9.72	2.37
0.733	1.58	3.733	3.16	6.733	10.27	9.73	2.37
0.750	1.58	3.750	3.16	6.750	10.26	9.75	2.37
0.767	1.58	3.767	3.16	6.767	6.32	9.77	1.58
0.783	1.58	3.783	3.16	6.783	6.32	9.78	1.58
0.800	1.58	3.800	3.16	6.800	6.32	9.80	1.58
0.817	1.58	3.817	3.16	6.817	6.32	9.82	1.58
0.833	1.58	3.833	3.16	6.833	6.32	9.83	1.58
0.850	1.58	3.850	3.16	6.850	6.32	9.85	1.58
0.867	1.58	3.867	3.16	6.867	6.32	9.87	1.58
0.883	1.58	3.883	3.16	6.883	6.32	9.88	1.58
0.900	1.58	3.900	3.16	6.900	6.32	9.90	1.58
0.917	1.58	3.917	3.16	6.917	6.32	9.92	1.58
0.933	1.58	3.933	3.16	6.933	6.32	9.93	1.58
0.950	1.58	3.950	3.16	6.950	6.32	9.95	1.58
0.967	1.58	3.967	3.16	6.967	6.32	9.97	1.58
0.983	1.58	3.983	3.16	6.983	6.32	9.98	1.58
1.000	1.58	4.000	3.16	7.000	6.32	10.00	1.58
1.017	1.58	4.017	3.95	7.017	5.53	10.02	1.58
1.033	1.58	4.033	3.95	7.033	5.53	10.03	1.58
1.050	1.58	4.050	3.95	7.050	5.53	10.05	1.58
1.067	1.58	4.067	3.95	7.067	5.53	10.07	1.58
1.083	1.58	4.083	3.95	7.083	5.53	10.08	1.58
1.100	1.58	4.100	3.95	7.100	5.53	10.10	1.58
1.117	1.58	4.117	3.95	7.117	5.53	10.12	1.58
1.133	1.58	4.133	3.95	7.133	5.53	10.13	1.58
1.150	1.58	4.150	3.95	7.150	5.53	10.15	1.58
1.167	1.58	4.167	3.95	7.167	5.53	10.17	1.58
1.183	1.58	4.183	3.95	7.183	5.53	10.18	1.58
1.200	1.58	4.200	3.95	7.200	5.53	10.20	1.58
1.217	1.58	4.217	3.95	7.217	5.53	10.22	1.58
1.233	1.58	4.233	3.95	7.233	5.53	10.23	1.58
1.250	1.58	4.250	3.95	7.250	5.53	10.25	1.58
1.267	1.58	4.267	4.74	7.267	4.74	10.27	1.58
1.283	1.58	4.283	4.74	7.283	4.74	10.28	1.58
1.300	1.58	4.300	4.74	7.300	4.74	10.30	1.58
1.317	1.58	4.317	4.74	7.317	4.74	10.32	1.58
1.333	1.58	4.333	4.74	7.333	4.74	10.33	1.58
1.350	1.58	4.350	4.74	7.350	4.74	10.35	1.58
1.367	1.58	4.367	4.74	7.367	4.74	10.37	1.58
1.383	1.58	4.383	4.74	7.383	4.74	10.38	1.58
1.400	1.58	4.400	4.74	7.400	4.74	10.40	1.58
1.417	1.58	4.417	4.74	7.417	4.74	10.42	1.58
1.433	1.58	4.433	4.74	7.433	4.74	10.43	1.58
1.450	1.58	4.450	4.74	7.450	4.74	10.45	1.58
1.467	1.58	4.467	4.74	7.467	4.74	10.47	1.58
1.483	1.58	4.483	4.74	7.483	4.74	10.48	1.58
1.500	1.58	4.500	4.74	7.500	4.74	10.50	1.58
1.517	1.58	4.517	5.53	7.517	4.74	10.52	1.58
1.533	1.58	4.533	5.53	7.533	4.74	10.53	1.58
1.550	1.58	4.550	5.53	7.550	4.74	10.55	1.58
1.567	1.58	4.567	5.53	7.567	4.74	10.57	1.58
1.583	1.58	4.583	5.53	7.583	4.74	10.58	1.58
1.600	1.58	4.600	5.53	7.600	4.74	10.60	1.58
1.617	1.58	4.617	5.53	7.617	4.74	10.62	1.58
1.633	1.58	4.633	5.53	7.633	4.74	10.63	1.58
1.650	1.58	4.650	5.53	7.650	4.74	10.65	1.58
1.667	1.58	4.667	5.53	7.667	4.74	10.67	1.58
1.683	1.58	4.683	5.53	7.683	4.74	10.68	1.58
1.700	1.58	4.700	5.53	7.700	4.74	10.70	1.58
1.717	1.58	4.717	5.53	7.717	4.74	10.72	1.58
1.733	1.58	4.733	5.53	7.733	4.74	10.73	1.58
1.750	1.58	4.750	5.53	7.750	4.74	10.75	1.58
1.767	1.58	4.767	6.32	7.767	4.74	10.77	1.58
1.783	1.58	4.783	6.32	7.783	4.74	10.78	1.58
1.800	1.58	4.800	6.32	7.800	4.74	10.80	1.58
1.817	1.58	4.817	6.32	7.817	4.74	10.82	1.58
1.833	1.58	4.833	6.32	7.833	4.74	10.83	1.58
1.850	1.58	4.850	6.32	7.850	4.74	10.85	1.58
1.867	1.58	4.867	6.32	7.867	4.74	10.87	1.58
1.883	1.58	4.883	6.32	7.883	4.74	10.88	1.58
1.900	1.58	4.900	6.32	7.900	4.74	10.90	1.58
1.917	1.58	4.917	6.32	7.917	4.74	10.92	1.58
1.933	1.58	4.933	6.32	7.933	4.74	10.93	1.58
1.950	1.58	4.950	6.32	7.950	4.74	10.95	1.58
1.967	1.58	4.967	6.32	7.967	4.74	10.97	1.58
1.983	1.58	4.983	6.32	7.983	4.74	10.98	1.58
2.000	1.58	5.000	6.32	8.000	4.74	11.00	1.58
2.017	2.37	5.017	7.90	8.017	3.95	11.02	1.58
2.033	2.37	5.033	7.90	8.033	3.95	11.03	1.58
2.050	2.37	5.050	7.90	8.050	3.95	11.05	1.58

2.067	2.37	5.067	7.90	8.067	3.95	11.07	1.58
2.083	2.37	5.083	7.90	8.083	3.95	11.08	1.58
2.100	2.37	5.100	7.90	8.100	3.95	11.10	1.58
2.117	2.37	5.117	7.90	8.117	3.95	11.12	1.58
2.133	2.37	5.133	7.90	8.133	3.95	11.13	1.58
2.150	2.37	5.150	7.90	8.150	3.95	11.15	1.58
2.167	2.37	5.167	7.90	8.167	3.95	11.17	1.58
2.183	2.37	5.183	7.90	8.183	3.95	11.18	1.58
2.200	2.37	5.200	7.90	8.200	3.95	11.20	1.58
2.217	2.37	5.217	7.90	8.217	3.95	11.22	1.58
2.233	2.37	5.233	7.90	8.233	3.95	11.23	1.58
2.250	2.37	5.250	7.90	8.250	3.95	11.25	1.58
2.267	3.16	5.267	9.48	8.267	3.16	11.27	1.58
2.283	3.16	5.283	9.48	8.283	3.16	11.28	1.58
2.300	3.16	5.300	9.48	8.300	3.16	11.30	1.58
2.317	3.16	5.317	9.48	8.317	3.16	11.32	1.58
2.333	3.16	5.333	9.48	8.333	3.16	11.33	1.58
2.350	3.16	5.350	9.48	8.350	3.16	11.35	1.58
2.367	3.16	5.367	9.48	8.367	3.16	11.37	1.58
2.383	3.16	5.383	9.48	8.383	3.16	11.38	1.58
2.400	3.16	5.400	9.48	8.400	3.16	11.40	1.58
2.417	3.16	5.417	9.48	8.417	3.16	11.42	1.58
2.433	3.16	5.433	9.48	8.433	3.16	11.43	1.58
2.450	3.16	5.450	9.48	8.450	3.16	11.45	1.58
2.467	3.16	5.467	9.48	8.467	3.16	11.47	1.58
2.483	3.16	5.483	9.48	8.483	3.16	11.48	1.58
2.500	3.16	5.500	9.51	8.500	3.16	11.50	1.58
2.517	3.16	5.517	40.30	8.517	3.16	11.52	1.58
2.533	3.16	5.533	40.30	8.533	3.16	11.53	1.58
2.550	3.16	5.550	40.30	8.550	3.16	11.55	1.58
2.567	3.16	5.567	40.30	8.567	3.16	11.57	1.58
2.583	3.16	5.583	40.30	8.583	3.16	11.58	1.58
2.600	3.16	5.600	40.30	8.600	3.16	11.60	1.58
2.617	3.16	5.617	40.30	8.617	3.16	11.62	1.58
2.633	3.16	5.633	40.30	8.633	3.16	11.63	1.58
2.650	3.16	5.650	40.30	8.650	3.16	11.65	1.58
2.667	3.16	5.667	40.30	8.667	3.16	11.67	1.58
2.683	3.16	5.683	40.30	8.683	3.16	11.68	1.58
2.700	3.16	5.700	40.30	8.700	3.16	11.70	1.58
2.717	3.16	5.717	40.30	8.717	3.16	11.72	1.58
2.733	3.16	5.733	40.30	8.733	3.16	11.73	1.58
2.750	3.16	5.750	40.34	8.750	3.16	11.75	1.58
2.767	3.16	5.767	71.12	8.767	3.16	11.77	1.58
2.783	3.16	5.783	71.12	8.783	3.16	11.78	1.58
2.800	3.16	5.800	71.12	8.800	3.16	11.80	1.58
2.817	3.16	5.817	71.12	8.817	3.16	11.82	1.58
2.833	3.16	5.833	71.12	8.833	3.16	11.83	1.58
2.850	3.16	5.850	71.12	8.850	3.16	11.85	1.58
2.867	3.16	5.867	71.12	8.867	3.16	11.87	1.58
2.883	3.16	5.883	71.12	8.883	3.16	11.88	1.58
2.900	3.16	5.900	71.12	8.900	3.16	11.90	1.58
2.917	3.16	5.917	71.12	8.917	3.16	11.92	1.58
2.933	3.16	5.933	71.12	8.933	3.16	11.93	1.58
2.950	3.16	5.950	71.12	8.950	3.16	11.95	1.58
2.967	3.16	5.967	71.12	8.967	3.16	11.97	1.58
2.983	3.16	5.983	71.12	8.983	3.16	11.98	1.58
3.000	3.16	6.000	71.08	9.000	3.16	12.00	1.58

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.244 (i)
TIME TO PEAK (hrs)= 7.583
RUNOFF VOLUME (mm)= 17.498
TOTAL RAINFALL (mm)= 78.822
RUNOFF COEFFICIENT = 0.222

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
STANDHYD (0001)			
ID= 1 DT= 1.0 min	Area (ha)= 1.18		
	Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00	
		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)= 0.26		0.92
Dep. Storage	(mm)= 2.00		5.00
Average slope	(%)= 1.00		2.00
Length	(m)= 88.84		40.00
Mannings n	= 0.013		0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.79	3.017	3.16	6.017	42.67	9.02	3.16
0.033	0.79	3.033	3.16	6.033	42.67	9.03	3.16
0.050	0.79	3.050	3.16	6.050	42.67	9.05	3.16
0.067	0.79	3.067	3.16	6.067	42.67	9.07	3.16
0.083	0.79	3.083	3.16	6.083	42.67	9.08	3.16
0.100	0.79	3.100	3.16	6.100	42.67	9.10	3.16
0.117	0.79	3.117	3.16	6.117	42.67	9.12	3.16
0.133	0.79	3.133	3.16	6.133	42.67	9.13	3.16
0.150	0.79	3.150	3.16	6.150	42.67	9.15	3.16
0.167	0.79	3.167	3.16	6.167	42.67	9.17	3.16
0.183	0.79	3.183	3.16	6.183	42.67	9.18	3.16
0.200	0.79	3.200	3.16	6.200	42.67	9.20	3.16
0.217	0.79	3.217	3.16	6.217	42.67	9.22	3.16
0.233	0.79	3.233	3.16	6.233	42.67	9.23	3.16
0.250	0.79	3.250	3.16	6.250	42.63	9.25	3.16
0.267	1.58	3.267	3.16	6.267	14.22	9.27	3.16
0.283	1.58	3.283	3.16	6.283	14.22	9.28	3.16
0.300	1.58	3.300	3.16	6.300	14.22	9.30	3.16
0.317	1.58	3.317	3.16	6.317	14.22	9.32	3.16
0.333	1.58	3.333	3.16	6.333	14.22	9.33	3.16
0.350	1.58	3.350	3.16	6.350	14.22	9.35	3.16
0.367	1.58	3.367	3.16	6.367	14.22	9.37	3.16
0.383	1.58	3.383	3.16	6.383	14.22	9.38	3.16
0.400	1.58	3.400	3.16	6.400	14.22	9.40	3.16
0.417	1.58	3.417	3.16	6.417	14.22	9.42	3.16
0.433	1.58	3.433	3.16	6.433	14.22	9.43	3.16
0.450	1.58	3.450	3.16	6.450	14.22	9.45	3.16
0.467	1.58	3.467	3.16	6.467	14.22	9.47	3.16
0.483	1.58	3.483	3.16	6.483	14.22	9.48	3.16
0.500	1.58	3.500	3.16	6.500	14.22	9.50	3.16
0.517	1.58	3.517	3.16	6.517	10.27	9.52	2.37
0.533	1.58	3.533	3.16	6.533	10.27	9.53	2.37
0.550	1.58	3.550	3.16	6.550	10.27	9.55	2.37
0.567	1.58	3.567	3.16	6.567	10.27	9.57	2.37
0.583	1.58	3.583	3.16	6.583	10.27	9.58	2.37
0.600	1.58	3.600	3.16	6.600	10.27	9.60	2.37
0.617	1.58	3.617	3.16	6.617	10.27	9.62	2.37
0.633	1.58	3.633	3.16	6.633	10.27	9.63	2.37
0.650	1.58	3.650	3.16	6.650	10.27	9.65	2.37
0.667	1.58	3.667	3.16	6.667	10.27	9.67	2.37
0.683	1.58	3.683	3.16	6.683	10.27	9.68	2.37
0.700	1.58	3.700	3.16	6.700	10.27	9.70	2.37
0.717	1.58	3.717	3.16	6.717	10.27	9.72	2.37
0.733	1.58	3.733	3.16	6.733	10.27	9.73	2.37
0.750	1.58	3.750	3.16	6.750	10.26	9.75	2.37
0.767	1.58	3.767	3.16	6.767	6.32	9.77	1.58
0.783	1.58	3.783	3.16	6.783	6.32	9.78	1.58
0.800	1.58	3.800	3.16	6.800	6.32	9.80	1.58
0.817	1.58	3.817	3.16	6.817	6.32	9.82	1.58
0.833	1.58	3.833	3.16	6.833	6.32	9.83	1.58
0.850	1.58	3.850	3.16	6.850	6.32	9.85	1.58
0.867	1.58	3.867	3.16	6.867	6.32	9.87	1.58
0.883	1.58	3.883	3.16	6.883	6.32	9.88	1.58
0.900	1.58	3.900	3.16	6.900	6.32	9.90	1.58
0.917	1.58	3.917	3.16	6.917	6.32	9.92	1.58
0.933	1.58	3.933	3.16	6.933	6.32	9.93	1.58
0.950	1.58	3.950	3.16	6.950	6.32	9.95	1.58
0.967	1.58	3.967	3.16	6.967	6.32	9.97	1.58
0.983	1.58	3.983	3.16	6.983	6.32	9.98	1.58
1.000	1.58	4.000	3.16	7.000	6.32	10.00	1.58
1.017	1.58	4.017	3.95	7.017	5.53	10.02	1.58
1.033	1.58	4.033	3.95	7.033	5.53	10.03	1.58
1.050	1.58	4.050	3.95	7.050	5.53	10.05	1.58
1.067	1.58	4.067	3.95	7.067	5.53	10.07	1.58
1.083	1.58	4.083	3.95	7.083	5.53	10.08	1.58
1.100	1.58	4.100	3.95	7.100	5.53	10.10	1.58
1.117	1.58	4.117	3.95	7.117	5.53	10.12	1.58
1.133	1.58	4.133	3.95	7.133	5.53	10.13	1.58
1.150	1.58	4.150	3.95	7.150	5.53	10.15	1.58
1.167	1.58	4.167	3.95	7.167	5.53	10.17	1.58
1.183	1.58	4.183	3.95	7.183	5.53	10.18	1.58
1.200	1.58	4.200	3.95	7.200	5.53	10.20	1.58
1.217	1.58	4.217	3.95	7.217	5.53	10.22	1.58
1.233	1.58	4.233	3.95	7.233	5.53	10.23	1.58
1.250	1.58	4.250	3.95	7.250	5.53	10.25	1.58
1.267	1.58	4.267	4.74	7.267	4.74	10.27	1.58
1.283	1.58	4.283	4.74	7.283	4.74	10.28	1.58
1.300	1.58	4.300	4.74	7.300	4.74	10.30	1.58
1.317	1.58	4.317	4.74	7.317	4.74	10.32	1.58
1.333	1.58	4.333	4.74	7.333	4.74	10.33	1.58
1.350	1.58	4.350	4.74	7.350	4.74	10.35	1.58

1.367	1.58	4.367	4.74	7.367	4.74	10.37	1.58
1.383	1.58	4.383	4.74	7.383	4.74	10.38	1.58
1.400	1.58	4.400	4.74	7.400	4.74	10.40	1.58
1.417	1.58	4.417	4.74	7.417	4.74	10.42	1.58
1.433	1.58	4.433	4.74	7.433	4.74	10.43	1.58
1.450	1.58	4.450	4.74	7.450	4.74	10.45	1.58
1.467	1.58	4.467	4.74	7.467	4.74	10.47	1.58
1.483	1.58	4.483	4.74	7.483	4.74	10.48	1.58
1.500	1.58	4.500	4.74	7.500	4.74	10.50	1.58
1.517	1.58	4.517	5.53	7.517	4.74	10.52	1.58
1.533	1.58	4.533	5.53	7.533	4.74	10.53	1.58
1.550	1.58	4.550	5.53	7.550	4.74	10.55	1.58
1.567	1.58	4.567	5.53	7.567	4.74	10.57	1.58
1.583	1.58	4.583	5.53	7.583	4.74	10.58	1.58
1.600	1.58	4.600	5.53	7.600	4.74	10.60	1.58
1.617	1.58	4.617	5.53	7.617	4.74	10.62	1.58
1.633	1.58	4.633	5.53	7.633	4.74	10.63	1.58
1.650	1.58	4.650	5.53	7.650	4.74	10.65	1.58
1.667	1.58	4.667	5.53	7.667	4.74	10.67	1.58
1.683	1.58	4.683	5.53	7.683	4.74	10.68	1.58
1.700	1.58	4.700	5.53	7.700	4.74	10.70	1.58
1.717	1.58	4.717	5.53	7.717	4.74	10.72	1.58
1.733	1.58	4.733	5.53	7.733	4.74	10.73	1.58
1.750	1.58	4.750	5.53	7.750	4.74	10.75	1.58
1.767	1.58	4.767	6.32	7.767	4.74	10.77	1.58
1.783	1.58	4.783	6.32	7.783	4.74	10.78	1.58
1.800	1.58	4.800	6.32	7.800	4.74	10.80	1.58
1.817	1.58	4.817	6.32	7.817	4.74	10.82	1.58
1.833	1.58	4.833	6.32	7.833	4.74	10.83	1.58
1.850	1.58	4.850	6.32	7.850	4.74	10.85	1.58
1.867	1.58	4.867	6.32	7.867	4.74	10.87	1.58
1.883	1.58	4.883	6.32	7.883	4.74	10.88	1.58
1.900	1.58	4.900	6.32	7.900	4.74	10.90	1.58
1.917	1.58	4.917	6.32	7.917	4.74	10.92	1.58
1.933	1.58	4.933	6.32	7.933	4.74	10.93	1.58
1.950	1.58	4.950	6.32	7.950	4.74	10.95	1.58
1.967	1.58	4.967	6.32	7.967	4.74	10.97	1.58
1.983	1.58	4.983	6.32	7.983	4.74	10.98	1.58
2.000	1.58	5.000	6.32	8.000	4.74	11.00	1.58
2.017	2.37	5.017	7.90	8.017	3.95	11.02	1.58
2.033	2.37	5.033	7.90	8.033	3.95	11.03	1.58
2.050	2.37	5.050	7.90	8.050	3.95	11.05	1.58
2.067	2.37	5.067	7.90	8.067	3.95	11.07	1.58
2.083	2.37	5.083	7.90	8.083	3.95	11.08	1.58
2.100	2.37	5.100	7.90	8.100	3.95	11.10	1.58
2.117	2.37	5.117	7.90	8.117	3.95	11.12	1.58
2.133	2.37	5.133	7.90	8.133	3.95	11.13	1.58
2.150	2.37	5.150	7.90	8.150	3.95	11.15	1.58
2.167	2.37	5.167	7.90	8.167	3.95	11.17	1.58
2.183	2.37	5.183	7.90	8.183	3.95	11.18	1.58
2.200	2.37	5.200	7.90	8.200	3.95	11.20	1.58
2.217	2.37	5.217	7.90	8.217	3.95	11.22	1.58
2.233	2.37	5.233	7.90	8.233	3.95	11.23	1.58
2.250	2.37	5.250	7.90	8.250	3.95	11.25	1.58
2.267	3.16	5.267	9.48	8.267	3.16	11.27	1.58
2.283	3.16	5.283	9.48	8.283	3.16	11.28	1.58
2.300	3.16	5.300	9.48	8.300	3.16	11.30	1.58
2.317	3.16	5.317	9.48	8.317	3.16	11.32	1.58
2.333	3.16	5.333	9.48	8.333	3.16	11.33	1.58
2.350	3.16	5.350	9.48	8.350	3.16	11.35	1.58
2.367	3.16	5.367	9.48	8.367	3.16	11.37	1.58
2.383	3.16	5.383	9.48	8.383	3.16	11.38	1.58
2.400	3.16	5.400	9.48	8.400	3.16	11.40	1.58
2.417	3.16	5.417	9.48	8.417	3.16	11.42	1.58
2.433	3.16	5.433	9.48	8.433	3.16	11.43	1.58
2.450	3.16	5.450	9.48	8.450	3.16	11.45	1.58
2.467	3.16	5.467	9.48	8.467	3.16	11.47	1.58
2.483	3.16	5.483	9.48	8.483	3.16	11.48	1.58
2.500	3.16	5.500	9.51	8.500	3.16	11.50	1.58
2.517	3.16	5.517	40.30	8.517	3.16	11.52	1.58
2.533	3.16	5.533	40.30	8.533	3.16	11.53	1.58
2.550	3.16	5.550	40.30	8.550	3.16	11.55	1.58
2.567	3.16	5.567	40.30	8.567	3.16	11.57	1.58
2.583	3.16	5.583	40.30	8.583	3.16	11.58	1.58
2.600	3.16	5.600	40.30	8.600	3.16	11.60	1.58
2.617	3.16	5.617	40.30	8.617	3.16	11.62	1.58
2.633	3.16	5.633	40.30	8.633	3.16	11.63	1.58
2.650	3.16	5.650	40.30	8.650	3.16	11.65	1.58
2.667	3.16	5.667	40.30	8.667	3.16	11.67	1.58
2.683	3.16	5.683	40.30	8.683	3.16	11.68	1.58
2.700	3.16	5.700	40.30	8.700	3.16	11.70	1.58
2.717	3.16	5.717	40.30	8.717	3.16	11.72	1.58
2.733	3.16	5.733	40.30	8.733	3.16	11.73	1.58
2.750	3.16	5.750	40.34	8.750	3.16	11.75	1.58

2.767	3.16	5.767	71.12	8.767	3.16	11.77	1.58
2.783	3.16	5.783	71.12	8.783	3.16	11.78	1.58
2.800	3.16	5.800	71.12	8.800	3.16	11.80	1.58
2.817	3.16	5.817	71.12	8.817	3.16	11.82	1.58
2.833	3.16	5.833	71.12	8.833	3.16	11.83	1.58
2.850	3.16	5.850	71.12	8.850	3.16	11.85	1.58
2.867	3.16	5.867	71.12	8.867	3.16	11.87	1.58
2.883	3.16	5.883	71.12	8.883	3.16	11.88	1.58
2.900	3.16	5.900	71.12	8.900	3.16	11.90	1.58
2.917	3.16	5.917	71.12	8.917	3.16	11.92	1.58
2.933	3.16	5.933	71.12	8.933	3.16	11.93	1.58
2.950	3.16	5.950	71.12	8.950	3.16	11.95	1.58
2.967	3.16	5.967	71.12	8.967	3.16	11.97	1.58
2.983	3.16	5.983	71.12	8.983	3.16	11.98	1.58
3.000	3.16	6.000	71.08	9.000	3.16	12.00	1.58

Max.Eff.Inten.(mm/hr)= 71.12 17.31
over (min) 5.00 17.00
Storage Coeff. (min)= 2.73 (ii) 16.96 (ii)
Unit Hyd. Tpeak (min)= 5.00 17.00
Unit Hyd. peak (cms)= 0.32 0.07

PEAK FLOW (cms)= 0.05 0.03 0.071 (iii)
TIME TO PEAK (hrs)= 6.00 6.30 6.02
RUNOFF VOLUME (mm)= 76.82 18.78 31.54
TOTAL RAINFALL (mm)= 78.82 78.82 78.82
RUNOFF COEFFICIENT = 0.97 0.24 0.40

TOTALS

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)	AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0001):	1.18	0.071	6.02	31.54
+ ID2= 2 (0003):	19.20	0.244	7.58	17.50
ID = 3 (0005):	20.39	0.253	7.55	18.33

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:3.5 SCS II 12hr 50yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData ata\Local\Temp\ 6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\306310a1
Ptotal= 87.48 mm	Comments: SCS 12 HOUR TYPE II STORM DISTRIBUTION

Duration of storm = 12.00 hrs
Mass curve time step = 30.00 min
New Storm time step = 15.00 min

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	0.87	3.00	3.50	6.00	47.24	9.00	3.50
0.25	1.75	3.25	3.50	6.25	15.75	9.25	3.50
0.50	1.75	3.50	3.50	6.50	11.37	9.50	2.62
0.75	1.75	3.75	3.50	6.75	7.00	9.75	1.75
1.00	1.75	4.00	4.37	7.00	6.12	10.00	1.75
1.25	1.75	4.25	5.25	7.25	5.25	10.25	1.75
1.50	1.75	4.50	6.12	7.50	5.25	10.50	1.75
1.75	1.75	4.75	7.00	7.75	5.25	10.75	1.75
2.00	2.62	5.00	8.75	8.00	4.37	11.00	1.75
2.25	3.50	5.25	10.50	8.25	3.50	11.25	1.75
2.50	3.50	5.50	44.61	8.50	3.50	11.50	1.75
2.75	3.50	5.75	78.73	8.75	3.50	11.75	1.75

CALIB	Area (ha)= 19.20	Curve Number (CN)= 55.0
NASHYD (0003)	Ia (mm)= 9.10	# of Linear Res.(N)= 3.00
ID= 1 DT= 1.0 min	U.H. Tp(hrs)= 1.32	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.87	3.017	3.50	6.017	47.24	9.02	3.50
0.033	0.87	3.033	3.50	6.033	47.24	9.03	3.50
0.050	0.87	3.050	3.50	6.050	47.24	9.05	3.50
0.067	0.87	3.067	3.50	6.067	47.24	9.07	3.50
0.083	0.87	3.083	3.50	6.083	47.24	9.08	3.50
0.100	0.87	3.100	3.50	6.100	47.24	9.10	3.50
0.117	0.87	3.117	3.50	6.117	47.24	9.12	3.50
0.133	0.87	3.133	3.50	6.133	47.24	9.13	3.50
0.150	0.87	3.150	3.50	6.150	47.24	9.15	3.50
0.167	0.87	3.167	3.50	6.167	47.24	9.17	3.50
0.183	0.87	3.183	3.50	6.183	47.24	9.18	3.50
0.200	0.87	3.200	3.50	6.200	47.24	9.20	3.50
0.217	0.87	3.217	3.50	6.217	47.24	9.22	3.50
0.233	0.87	3.233	3.50	6.233	47.24	9.23	3.50
0.250	0.87	3.250	3.50	6.250	47.19	9.25	3.50
0.267	1.75	3.267	3.50	6.267	15.75	9.27	3.50
0.283	1.75	3.283	3.50	6.283	15.75	9.28	3.50
0.300	1.75	3.300	3.50	6.300	15.75	9.30	3.50
0.317	1.75	3.317	3.50	6.317	15.75	9.32	3.50
0.333	1.75	3.333	3.50	6.333	15.75	9.33	3.50
0.350	1.75	3.350	3.50	6.350	15.75	9.35	3.50
0.367	1.75	3.367	3.50	6.367	15.75	9.37	3.50
0.383	1.75	3.383	3.50	6.383	15.75	9.38	3.50
0.400	1.75	3.400	3.50	6.400	15.75	9.40	3.50
0.417	1.75	3.417	3.50	6.417	15.75	9.42	3.50
0.433	1.75	3.433	3.50	6.433	15.75	9.43	3.50
0.450	1.75	3.450	3.50	6.450	15.75	9.45	3.50
0.467	1.75	3.467	3.50	6.467	15.75	9.47	3.50
0.483	1.75	3.483	3.50	6.483	15.75	9.48	3.50
0.500	1.75	3.500	3.50	6.500	15.74	9.50	3.50
0.517	1.75	3.517	3.50	6.517	11.37	9.52	2.62
0.533	1.75	3.533	3.50	6.533	11.37	9.53	2.62
0.550	1.75	3.550	3.50	6.550	11.37	9.55	2.62
0.567	1.75	3.567	3.50	6.567	11.37	9.57	2.62
0.583	1.75	3.583	3.50	6.583	11.37	9.58	2.62
0.600	1.75	3.600	3.50	6.600	11.37	9.60	2.62
0.617	1.75	3.617	3.50	6.617	11.37	9.62	2.62
0.633	1.75	3.633	3.50	6.633	11.37	9.63	2.62
0.650	1.75	3.650	3.50	6.650	11.37	9.65	2.62
0.667	1.75	3.667	3.50	6.667	11.37	9.67	2.62
0.683	1.75	3.683	3.50	6.683	11.37	9.68	2.62
0.700	1.75	3.700	3.50	6.700	11.37	9.70	2.62
0.717	1.75	3.717	3.50	6.717	11.37	9.72	2.62
0.733	1.75	3.733	3.50	6.733	11.37	9.73	2.62
0.750	1.75	3.750	3.50	6.750	11.36	9.75	2.62
0.767	1.75	3.767	3.50	6.767	7.00	9.77	1.75
0.783	1.75	3.783	3.50	6.783	7.00	9.78	1.75
0.800	1.75	3.800	3.50	6.800	7.00	9.80	1.75
0.817	1.75	3.817	3.50	6.817	7.00	9.82	1.75
0.833	1.75	3.833	3.50	6.833	7.00	9.83	1.75
0.850	1.75	3.850	3.50	6.850	7.00	9.85	1.75
0.867	1.75	3.867	3.50	6.867	7.00	9.87	1.75
0.883	1.75	3.883	3.50	6.883	7.00	9.88	1.75
0.900	1.75	3.900	3.50	6.900	7.00	9.90	1.75
0.917	1.75	3.917	3.50	6.917	7.00	9.92	1.75
0.933	1.75	3.933	3.50	6.933	7.00	9.93	1.75
0.950	1.75	3.950	3.50	6.950	7.00	9.95	1.75
0.967	1.75	3.967	3.50	6.967	7.00	9.97	1.75
0.983	1.75	3.983	3.50	6.983	7.00	9.98	1.75
1.000	1.75	4.000	3.50	7.000	7.00	10.00	1.75
1.017	1.75	4.017	4.37	7.017	6.12	10.02	1.75
1.033	1.75	4.033	4.37	7.033	6.12	10.03	1.75
1.050	1.75	4.050	4.37	7.050	6.12	10.05	1.75
1.067	1.75	4.067	4.37	7.067	6.12	10.07	1.75
1.083	1.75	4.083	4.37	7.083	6.12	10.08	1.75
1.100	1.75	4.100	4.37	7.100	6.12	10.10	1.75
1.117	1.75	4.117	4.37	7.117	6.12	10.12	1.75
1.133	1.75	4.133	4.37	7.133	6.12	10.13	1.75
1.150	1.75	4.150	4.37	7.150	6.12	10.15	1.75
1.167	1.75	4.167	4.37	7.167	6.12	10.17	1.75
1.183	1.75	4.183	4.37	7.183	6.12	10.18	1.75
1.200	1.75	4.200	4.37	7.200	6.12	10.20	1.75
1.217	1.75	4.217	4.37	7.217	6.12	10.22	1.75
1.233	1.75	4.233	4.37	7.233	6.12	10.23	1.75
1.250	1.75	4.250	4.37	7.250	6.12	10.25	1.75
1.267	1.75	4.267	5.25	7.267	5.25	10.27	1.75
1.283	1.75	4.283	5.25	7.283	5.25	10.28	1.75
1.300	1.75	4.300	5.25	7.300	5.25	10.30	1.75

1.317	1.75	4.317	5.25	7.317	5.25	10.32	1.75
1.333	1.75	4.333	5.25	7.333	5.25	10.33	1.75
1.350	1.75	4.350	5.25	7.350	5.25	10.35	1.75
1.367	1.75	4.367	5.25	7.367	5.25	10.37	1.75
1.383	1.75	4.383	5.25	7.383	5.25	10.38	1.75
1.400	1.75	4.400	5.25	7.400	5.25	10.40	1.75
1.417	1.75	4.417	5.25	7.417	5.25	10.42	1.75
1.433	1.75	4.433	5.25	7.433	5.25	10.43	1.75
1.450	1.75	4.450	5.25	7.450	5.25	10.45	1.75
1.467	1.75	4.467	5.25	7.467	5.25	10.47	1.75
1.483	1.75	4.483	5.25	7.483	5.25	10.48	1.75
1.500	1.75	4.500	5.25	7.500	5.25	10.50	1.75
1.517	1.75	4.517	6.12	7.517	5.25	10.52	1.75
1.533	1.75	4.533	6.12	7.533	5.25	10.53	1.75
1.550	1.75	4.550	6.12	7.550	5.25	10.55	1.75
1.567	1.75	4.567	6.12	7.567	5.25	10.57	1.75
1.583	1.75	4.583	6.12	7.583	5.25	10.58	1.75
1.600	1.75	4.600	6.12	7.600	5.25	10.60	1.75
1.617	1.75	4.617	6.12	7.617	5.25	10.62	1.75
1.633	1.75	4.633	6.12	7.633	5.25	10.63	1.75
1.650	1.75	4.650	6.12	7.650	5.25	10.65	1.75
1.667	1.75	4.667	6.12	7.667	5.25	10.67	1.75
1.683	1.75	4.683	6.12	7.683	5.25	10.68	1.75
1.700	1.75	4.700	6.12	7.700	5.25	10.70	1.75
1.717	1.75	4.717	6.12	7.717	5.25	10.72	1.75
1.733	1.75	4.733	6.12	7.733	5.25	10.73	1.75
1.750	1.75	4.750	6.12	7.750	5.25	10.75	1.75
1.767	1.75	4.767	7.00	7.767	5.25	10.77	1.75
1.783	1.75	4.783	7.00	7.783	5.25	10.78	1.75
1.800	1.75	4.800	7.00	7.800	5.25	10.80	1.75
1.817	1.75	4.817	7.00	7.817	5.25	10.82	1.75
1.833	1.75	4.833	7.00	7.833	5.25	10.83	1.75
1.850	1.75	4.850	7.00	7.850	5.25	10.85	1.75
1.867	1.75	4.867	7.00	7.867	5.25	10.87	1.75
1.883	1.75	4.883	7.00	7.883	5.25	10.88	1.75
1.900	1.75	4.900	7.00	7.900	5.25	10.90	1.75
1.917	1.75	4.917	7.00	7.917	5.25	10.92	1.75
1.933	1.75	4.933	7.00	7.933	5.25	10.93	1.75
1.950	1.75	4.950	7.00	7.950	5.25	10.95	1.75
1.967	1.75	4.967	7.00	7.967	5.25	10.97	1.75
1.983	1.75	4.983	7.00	7.983	5.25	10.98	1.75
2.000	1.75	5.000	7.00	8.000	5.25	11.00	1.75
2.017	2.62	5.017	8.75	8.017	4.37	11.02	1.75
2.033	2.62	5.033	8.75	8.033	4.37	11.03	1.75
2.050	2.62	5.050	8.75	8.050	4.37	11.05	1.75
2.067	2.62	5.067	8.75	8.067	4.37	11.07	1.75
2.083	2.62	5.083	8.75	8.083	4.37	11.08	1.75
2.100	2.62	5.100	8.75	8.100	4.37	11.10	1.75
2.117	2.62	5.117	8.75	8.117	4.37	11.12	1.75
2.133	2.62	5.133	8.75	8.133	4.37	11.13	1.75
2.150	2.62	5.150	8.75	8.150	4.37	11.15	1.75
2.167	2.62	5.167	8.75	8.167	4.37	11.17	1.75
2.183	2.62	5.183	8.75	8.183	4.37	11.18	1.75
2.200	2.62	5.200	8.75	8.200	4.37	11.20	1.75
2.217	2.62	5.217	8.75	8.217	4.37	11.22	1.75
2.233	2.62	5.233	8.75	8.233	4.37	11.23	1.75
2.250	2.62	5.250	8.75	8.250	4.37	11.25	1.75
2.267	3.50	5.267	10.50	8.267	3.50	11.27	1.75
2.283	3.50	5.283	10.50	8.283	3.50	11.28	1.75
2.300	3.50	5.300	10.50	8.300	3.50	11.30	1.75
2.317	3.50	5.317	10.50	8.317	3.50	11.32	1.75
2.333	3.50	5.333	10.50	8.333	3.50	11.33	1.75
2.350	3.50	5.350	10.50	8.350	3.50	11.35	1.75
2.367	3.50	5.367	10.50	8.367	3.50	11.37	1.75
2.383	3.50	5.383	10.50	8.383	3.50	11.38	1.75
2.400	3.50	5.400	10.50	8.400	3.50	11.40	1.75
2.417	3.50	5.417	10.50	8.417	3.50	11.42	1.75
2.433	3.50	5.433	10.50	8.433	3.50	11.43	1.75
2.450	3.50	5.450	10.50	8.450	3.50	11.45	1.75
2.467	3.50	5.467	10.50	8.467	3.50	11.47	1.75
2.483	3.50	5.483	10.50	8.483	3.50	11.48	1.75
2.500	3.50	5.500	10.53	8.500	3.50	11.50	1.75
2.517	3.50	5.517	44.61	8.517	3.50	11.52	1.75
2.533	3.50	5.533	44.61	8.533	3.50	11.53	1.75
2.550	3.50	5.550	44.61	8.550	3.50	11.55	1.75
2.567	3.50	5.567	44.61	8.567	3.50	11.57	1.75
2.583	3.50	5.583	44.61	8.583	3.50	11.58	1.75
2.600	3.50	5.600	44.61	8.600	3.50	11.60	1.75
2.617	3.50	5.617	44.61	8.617	3.50	11.62	1.75
2.633	3.50	5.633	44.61	8.633	3.50	11.63	1.75
2.650	3.50	5.650	44.61	8.650	3.50	11.65	1.75
2.667	3.50	5.667	44.61	8.667	3.50	11.67	1.75
2.683	3.50	5.683	44.61	8.683	3.50	11.68	1.75
2.700	3.50	5.700	44.61	8.700	3.50	11.70	1.75

2.717	3.50	5.717	44.61	8.717	3.50	11.72	1.75
2.733	3.50	5.733	44.61	8.733	3.50	11.73	1.75
2.750	3.50	5.750	44.66	8.750	3.50	11.75	1.75
2.767	3.50	5.767	78.73	8.767	3.50	11.77	1.75
2.783	3.50	5.783	78.73	8.783	3.50	11.78	1.75
2.800	3.50	5.800	78.73	8.800	3.50	11.80	1.75
2.817	3.50	5.817	78.73	8.817	3.50	11.82	1.75
2.833	3.50	5.833	78.73	8.833	3.50	11.83	1.75
2.850	3.50	5.850	78.73	8.850	3.50	11.85	1.75
2.867	3.50	5.867	78.73	8.867	3.50	11.87	1.75
2.883	3.50	5.883	78.73	8.883	3.50	11.88	1.75
2.900	3.50	5.900	78.73	8.900	3.50	11.90	1.75
2.917	3.50	5.917	78.73	8.917	3.50	11.92	1.75
2.933	3.50	5.933	78.73	8.933	3.50	11.93	1.75
2.950	3.50	5.950	78.73	8.950	3.50	11.95	1.75
2.967	3.50	5.967	78.73	8.967	3.50	11.97	1.75
2.983	3.50	5.983	78.73	8.983	3.50	11.98	1.75
3.000	3.50	6.000	78.69	9.000	3.50	12.00	1.75

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.299 (i)
TIME TO PEAK (hrs)= 7.567
RUNOFF VOLUME (mm)= 21.341
TOTAL RAINFALL (mm)= 87.261
RUNOFF COEFFICIENT = 0.245

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB STANDHYD (0001) ID= 1 DT= 1.0 min	Area (ha)= 1.18 Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00
Surface Area (ha)= 0.26	IMPERVIOUS	PERVIOUS (i)
Dep. Storage (mm)= 2.00		
Average Slope (%)= 1.00		
Length (m)= 88.84		
Mannings n = 0.013		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.87	3.017	3.50	6.017	47.24	9.02	3.50
0.033	0.87	3.033	3.50	6.033	47.24	9.03	3.50
0.050	0.87	3.050	3.50	6.050	47.24	9.05	3.50
0.067	0.87	3.067	3.50	6.067	47.24	9.07	3.50
0.083	0.87	3.083	3.50	6.083	47.24	9.08	3.50
0.100	0.87	3.100	3.50	6.100	47.24	9.10	3.50
0.117	0.87	3.117	3.50	6.117	47.24	9.12	3.50
0.133	0.87	3.133	3.50	6.133	47.24	9.13	3.50
0.150	0.87	3.150	3.50	6.150	47.24	9.15	3.50
0.167	0.87	3.167	3.50	6.167	47.24	9.17	3.50
0.183	0.87	3.183	3.50	6.183	47.24	9.18	3.50
0.200	0.87	3.200	3.50	6.200	47.24	9.20	3.50
0.217	0.87	3.217	3.50	6.217	47.24	9.22	3.50
0.233	0.87	3.233	3.50	6.233	47.24	9.23	3.50
0.250	0.87	3.250	3.50	6.250	47.19	9.25	3.50
0.267	1.75	3.267	3.50	6.267	15.75	9.27	3.50
0.283	1.75	3.283	3.50	6.283	15.75	9.28	3.50
0.300	1.75	3.300	3.50	6.300	15.75	9.30	3.50
0.317	1.75	3.317	3.50	6.317	15.75	9.32	3.50
0.333	1.75	3.333	3.50	6.333	15.75	9.33	3.50
0.350	1.75	3.350	3.50	6.350	15.75	9.35	3.50
0.367	1.75	3.367	3.50	6.367	15.75	9.37	3.50
0.383	1.75	3.383	3.50	6.383	15.75	9.38	3.50
0.400	1.75	3.400	3.50	6.400	15.75	9.40	3.50
0.417	1.75	3.417	3.50	6.417	15.75	9.42	3.50
0.433	1.75	3.433	3.50	6.433	15.75	9.43	3.50
0.450	1.75	3.450	3.50	6.450	15.75	9.45	3.50
0.467	1.75	3.467	3.50	6.467	15.75	9.47	3.50
0.483	1.75	3.483	3.50	6.483	15.75	9.48	3.50
0.500	1.75	3.500	3.50	6.500	15.74	9.50	3.50
0.517	1.75	3.517	3.50	6.517	11.37	9.52	2.62
0.533	1.75	3.533	3.50	6.533	11.37	9.53	2.62
0.550	1.75	3.550	3.50	6.550	11.37	9.55	2.62
0.567	1.75	3.567	3.50	6.567	11.37	9.57	2.62
0.583	1.75	3.583	3.50	6.583	11.37	9.58	2.62
0.600	1.75	3.600	3.50	6.600	11.37	9.60	2.62

0.617	1.75	3.617	3.50	6.617	11.37	9.62	2.62
0.633	1.75	3.633	3.50	6.633	11.37	9.63	2.62
0.650	1.75	3.650	3.50	6.650	11.37	9.65	2.62
0.667	1.75	3.667	3.50	6.667	11.37	9.67	2.62
0.683	1.75	3.683	3.50	6.683	11.37	9.68	2.62
0.700	1.75	3.700	3.50	6.700	11.37	9.70	2.62
0.717	1.75	3.717	3.50	6.717	11.37	9.72	2.62
0.733	1.75	3.733	3.50	6.733	11.37	9.73	2.62
0.750	1.75	3.750	3.50	6.750	11.36	9.75	2.62
0.767	1.75	3.767	3.50	6.767	7.00	9.77	1.75
0.783	1.75	3.783	3.50	6.783	7.00	9.78	1.75
0.800	1.75	3.800	3.50	6.800	7.00	9.80	1.75
0.817	1.75	3.817	3.50	6.817	7.00	9.82	1.75
0.833	1.75	3.833	3.50	6.833	7.00	9.83	1.75
0.850	1.75	3.850	3.50	6.850	7.00	9.85	1.75
0.867	1.75	3.867	3.50	6.867	7.00	9.87	1.75
0.883	1.75	3.883	3.50	6.883	7.00	9.88	1.75
0.900	1.75	3.900	3.50	6.900	7.00	9.90	1.75
0.917	1.75	3.917	3.50	6.917	7.00	9.92	1.75
0.933	1.75	3.933	3.50	6.933	7.00	9.93	1.75
0.950	1.75	3.950	3.50	6.950	7.00	9.95	1.75
0.967	1.75	3.967	3.50	6.967	7.00	9.97	1.75
0.983	1.75	3.983	3.50	6.983	7.00	9.98	1.75
1.000	1.75	4.000	3.50	7.000	7.00	10.00	1.75
1.017	1.75	4.017	4.37	7.017	6.12	10.02	1.75
1.033	1.75	4.033	4.37	7.033	6.12	10.03	1.75
1.050	1.75	4.050	4.37	7.050	6.12	10.05	1.75
1.067	1.75	4.067	4.37	7.067	6.12	10.07	1.75
1.083	1.75	4.083	4.37	7.083	6.12	10.08	1.75
1.100	1.75	4.100	4.37	7.100	6.12	10.10	1.75
1.117	1.75	4.117	4.37	7.117	6.12	10.12	1.75
1.133	1.75	4.133	4.37	7.133	6.12	10.13	1.75
1.150	1.75	4.150	4.37	7.150	6.12	10.15	1.75
1.167	1.75	4.167	4.37	7.167	6.12	10.17	1.75
1.183	1.75	4.183	4.37	7.183	6.12	10.18	1.75
1.200	1.75	4.200	4.37	7.200	6.12	10.20	1.75
1.217	1.75	4.217	4.37	7.217	6.12	10.22	1.75
1.233	1.75	4.233	4.37	7.233	6.12	10.23	1.75
1.250	1.75	4.250	4.37	7.250	6.12	10.25	1.75
1.267	1.75	4.267	5.25	7.267	5.25	10.27	1.75
1.283	1.75	4.283	5.25	7.283	5.25	10.28	1.75
1.300	1.75	4.300	5.25	7.300	5.25	10.30	1.75
1.317	1.75	4.317	5.25	7.317	5.25	10.32	1.75
1.333	1.75	4.333	5.25	7.333	5.25	10.33	1.75
1.350	1.75	4.350	5.25	7.350	5.25	10.35	1.75
1.367	1.75	4.367	5.25	7.367	5.25	10.37	1.75
1.383	1.75	4.383	5.25	7.383	5.25	10.38	1.75
1.400	1.75	4.400	5.25	7.400	5.25	10.40	1.75
1.417	1.75	4.417	5.25	7.417	5.25	10.42	1.75
1.433	1.75	4.433	5.25	7.433	5.25	10.43	1.75
1.450	1.75	4.450	5.25	7.450	5.25	10.45	1.75
1.467	1.75	4.467	5.25	7.467	5.25	10.47	1.75
1.483	1.75	4.483	5.25	7.483	5.25	10.48	1.75
1.500	1.75	4.500	5.25	7.500	5.25	10.50	1.75
1.517	1.75	4.517	6.12	7.517	5.25	10.52	1.75
1.533	1.75	4.533	6.12	7.533	5.25	10.53	1.75
1.550	1.75	4.550	6.12	7.550	5.25	10.55	1.75
1.567	1.75	4.567	6.12	7.567	5.25	10.57	1.75
1.583	1.75	4.583	6.12	7.583	5.25	10.58	1.75
1.600	1.75	4.600	6.12	7.600	5.25	10.60	1.75
1.617	1.75	4.617	6.12	7.617	5.25	10.62	1.75
1.633	1.75	4.633	6.12	7.633	5.25	10.63	1.75
1.650	1.75	4.650	6.12	7.650	5.25	10.65	1.75
1.667	1.75	4.667	6.12	7.667	5.25	10.67	1.75
1.683	1.75	4.683	6.12	7.683	5.25	10.68	1.75
1.700	1.75	4.700	6.12	7.700	5.25	10.70	1.75
1.717	1.75	4.717	6.12	7.717	5.25	10.72	1.75
1.733	1.75	4.733	6.12	7.733	5.25	10.73	1.75
1.750	1.75	4.750	6.12	7.750	5.25	10.75	1.75
1.767	1.75	4.767	7.00	7.767	5.25	10.77	1.75
1.783	1.75	4.783	7.00	7.783	5.25	10.78	1.75
1.800	1.75	4.800	7.00	7.800	5.25	10.80	1.75
1.817	1.75	4.817	7.00	7.817	5.25	10.82	1.75
1.833	1.75	4.833	7.00	7.833	5.25	10.83	1.75
1.850	1.75	4.850	7.00	7.850	5.25	10.85	1.75
1.867	1.75	4.867	7.00	7.867	5.25	10.87	1.75
1.883	1.75	4.883	7.00	7.883	5.25	10.88	1.75
1.900	1.75	4.900	7.00	7.900	5.25	10.90	1.75
1.917	1.75	4.917	7.00	7.917	5.25	10.92	1.75
1.933	1.75	4.933	7.00	7.933	5.25	10.93	1.75
1.950	1.75	4.950	7.00	7.950	5.25	10.95	1.75
1.967	1.75	4.967	7.00	7.967	5.25	10.97	1.75
1.983	1.75	4.983	7.00	7.983	5.25	10.98	1.75
2.000	1.75	5.000	7.00	8.000	5.25	11.00	1.75

2.017	2.62	5.017	8.75	8.017	4.37	11.02	1.75
2.033	2.62	5.033	8.75	8.033	4.37	11.03	1.75
2.050	2.62	5.050	8.75	8.050	4.37	11.05	1.75
2.067	2.62	5.067	8.75	8.067	4.37	11.07	1.75
2.083	2.62	5.083	8.75	8.083	4.37	11.08	1.75
2.100	2.62	5.100	8.75	8.100	4.37	11.10	1.75
2.117	2.62	5.117	8.75	8.117	4.37	11.12	1.75
2.133	2.62	5.133	8.75	8.133	4.37	11.13	1.75
2.150	2.62	5.150	8.75	8.150	4.37	11.15	1.75
2.167	2.62	5.167	8.75	8.167	4.37	11.17	1.75
2.183	2.62	5.183	8.75	8.183	4.37	11.18	1.75
2.200	2.62	5.200	8.75	8.200	4.37	11.20	1.75
2.217	2.62	5.217	8.75	8.217	4.37	11.22	1.75
2.233	2.62	5.233	8.75	8.233	4.37	11.23	1.75
2.250	2.62	5.250	8.75	8.250	4.37	11.25	1.75
2.267	3.50	5.267	10.50	8.267	3.50	11.27	1.75
2.283	3.50	5.283	10.50	8.283	3.50	11.28	1.75
2.300	3.50	5.300	10.50	8.300	3.50	11.30	1.75
2.317	3.50	5.317	10.50	8.317	3.50	11.32	1.75
2.333	3.50	5.333	10.50	8.333	3.50	11.33	1.75
2.350	3.50	5.350	10.50	8.350	3.50	11.35	1.75
2.367	3.50	5.367	10.50	8.367	3.50	11.37	1.75
2.383	3.50	5.383	10.50	8.383	3.50	11.38	1.75
2.400	3.50	5.400	10.50	8.400	3.50	11.40	1.75
2.417	3.50	5.417	10.50	8.417	3.50	11.42	1.75
2.433	3.50	5.433	10.50	8.433	3.50	11.43	1.75
2.450	3.50	5.450	10.50	8.450	3.50	11.45	1.75
2.467	3.50	5.467	10.50	8.467	3.50	11.47	1.75
2.483	3.50	5.483	10.50	8.483	3.50	11.48	1.75
2.500	3.50	5.500	10.53	8.500	3.50	11.50	1.75
2.517	3.50	5.517	44.61	8.517	3.50	11.52	1.75
2.533	3.50	5.533	44.61	8.533	3.50	11.53	1.75
2.550	3.50	5.550	44.61	8.550	3.50	11.55	1.75
2.567	3.50	5.567	44.61	8.567	3.50	11.57	1.75
2.583	3.50	5.583	44.61	8.583	3.50	11.58	1.75
2.600	3.50	5.600	44.61	8.600	3.50	11.60	1.75
2.617	3.50	5.617	44.61	8.617	3.50	11.62	1.75
2.633	3.50	5.633	44.61	8.633	3.50	11.63	1.75
2.650	3.50	5.650	44.61	8.650	3.50	11.65	1.75
2.667	3.50	5.667	44.61	8.667	3.50	11.67	1.75
2.683	3.50	5.683	44.61	8.683	3.50	11.68	1.75
2.700	3.50	5.700	44.61	8.700	3.50	11.70	1.75
2.717	3.50	5.717	44.61	8.717	3.50	11.72	1.75
2.733	3.50	5.733	44.61	8.733	3.50	11.73	1.75
2.750	3.50	5.750	44.66	8.750	3.50	11.75	1.75
2.767	3.50	5.767	78.73	8.767	3.50	11.77	1.75
2.783	3.50	5.783	78.73	8.783	3.50	11.78	1.75
2.800	3.50	5.800	78.73	8.800	3.50	11.80	1.75
2.817	3.50	5.817	78.73	8.817	3.50	11.82	1.75
2.833	3.50	5.833	78.73	8.833	3.50	11.83	1.75
2.850	3.50	5.850	78.73	8.850	3.50	11.85	1.75
2.867	3.50	5.867	78.73	8.867	3.50	11.87	1.75
2.883	3.50	5.883	78.73	8.883	3.50	11.88	1.75
2.900	3.50	5.900	78.73	8.900	3.50	11.90	1.75
2.917	3.50	5.917	78.73	8.917	3.50	11.92	1.75
2.933	3.50	5.933	78.73	8.933	3.50	11.93	1.75
2.950	3.50	5.950	78.73	8.950	3.50	11.95	1.75
2.967	3.50	5.967	78.73	8.967	3.50	11.97	1.75
2.983	3.50	5.983	78.73	8.983	3.50	11.98	1.75
3.000	3.50	6.000	78.69	9.000	3.50	12.00	1.75

Max.Eff.Inten.(mm/hr)= 78.73 21.33
over (min) 5.00 16.00
Storage Coeff. (min)= 2.62 (ii) 15.71 (ii)
Unit Hyd. Tpeak (min)= 5.00 16.00
Unit Hyd. peak (cms)= 0.33 0.07

TOTALS
0.083 (iii)

PEAK FLOW (cms)= 0.06 0.04
TIME TO PEAK (hrs)= 6.00 6.27 6.02
RUNOFF VOLUME (mm)= 85.26 22.66 36.42
TOTAL RAINFALL (mm)= 87.26 87.26 87.26
RUNOFF COEFFICIENT = 0.98 0.26 0.42

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

1 + 2 = 3	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0001):	1.18	0.083	6.02	36.42
+ ID2= 2 (0003):	19.20	0.299	7.57	21.34
=====				
ID = 3 (0005):	20.39	0.310	7.53	22.24

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:3.6 SCS II 12hr 100yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData Local\Temp\6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\b640ac05
Ptotal= 95.71 mm	Comments: SCS 12 HOUR TYPE II STORM DISTRIBUTION

Duration of storm = 12.00 hrs
 Mass curve time step = 30.00 min
 New Storm time step = 15.00 min

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.96	3.00	3.83	6.00	51.68	9.00	3.83
0.25	1.91	3.25	3.83	6.25	17.23	9.25	3.83
0.50	1.91	3.50	3.83	6.50	12.44	9.50	2.87
0.75	1.91	3.75	3.83	6.75	7.66	9.75	1.91
1.00	1.91	4.00	4.79	7.00	6.70	10.00	1.91
1.25	1.91	4.25	5.74	7.25	5.74	10.25	1.91
1.50	1.91	4.50	6.70	7.50	5.74	10.50	1.91
1.75	1.91	4.75	7.66	7.75	5.74	10.75	1.91
2.00	2.87	5.00	9.57	8.00	4.79	11.00	1.91
2.25	3.83	5.25	11.49	8.25	3.83	11.25	1.91
2.50	3.83	5.50	48.81	8.50	3.83	11.50	1.91
2.75	3.83	5.75	86.14	8.75	3.83	11.75	1.91

CALIB	Area (ha)= 19.20	Curve Number (CN)= 55.0
NASHYD (0003)	Ia (mm)= 9.10	# of Linear Res.(N)= 3.00
ID= 1 DT= 1.0 min	U.H. Tp(hrs)= 1.32	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.96	3.017	3.83	6.017	51.68	9.02	3.83
0.033	0.96	3.033	3.83	6.033	51.68	9.03	3.83
0.050	0.96	3.050	3.83	6.050	51.68	9.05	3.83
0.067	0.96	3.067	3.83	6.067	51.68	9.07	3.83
0.083	0.96	3.083	3.83	6.083	51.68	9.08	3.83
0.100	0.96	3.100	3.83	6.100	51.68	9.10	3.83
0.117	0.96	3.117	3.83	6.117	51.68	9.12	3.83
0.133	0.96	3.133	3.83	6.133	51.68	9.13	3.83
0.150	0.96	3.150	3.83	6.150	51.68	9.15	3.83
0.167	0.96	3.167	3.83	6.167	51.68	9.17	3.83
0.183	0.96	3.183	3.83	6.183	51.68	9.18	3.83
0.200	0.96	3.200	3.83	6.200	51.68	9.20	3.83
0.217	0.96	3.217	3.83	6.217	51.68	9.22	3.83
0.233	0.96	3.233	3.83	6.233	51.68	9.23	3.83
0.250	0.96	3.250	3.83	6.250	51.63	9.25	3.83
0.267	1.91	3.267	3.83	6.267	17.23	9.27	3.83
0.283	1.91	3.283	3.83	6.283	17.23	9.28	3.83
0.300	1.91	3.300	3.83	6.300	17.23	9.30	3.83
0.317	1.91	3.317	3.83	6.317	17.23	9.32	3.83
0.333	1.91	3.333	3.83	6.333	17.23	9.33	3.83
0.350	1.91	3.350	3.83	6.350	17.23	9.35	3.83
0.367	1.91	3.367	3.83	6.367	17.23	9.37	3.83
0.383	1.91	3.383	3.83	6.383	17.23	9.38	3.83
0.400	1.91	3.400	3.83	6.400	17.23	9.40	3.83
0.417	1.91	3.417	3.83	6.417	17.23	9.42	3.83
0.433	1.91	3.433	3.83	6.433	17.23	9.43	3.83
0.450	1.91	3.450	3.83	6.450	17.23	9.45	3.83
0.467	1.91	3.467	3.83	6.467	17.23	9.47	3.83
0.483	1.91	3.483	3.83	6.483	17.23	9.48	3.83
0.500	1.91	3.500	3.83	6.500	17.22	9.50	3.83
0.517	1.91	3.517	3.83	6.517	12.44	9.52	2.87
0.533	1.91	3.533	3.83	6.533	12.44	9.53	2.87
0.550	1.91	3.550	3.83	6.550	12.44	9.55	2.87

0.567	1.91	3.567	3.83	6.567	12.44	9.57	2.87
0.583	1.91	3.583	3.83	6.583	12.44	9.58	2.87
0.600	1.91	3.600	3.83	6.600	12.44	9.60	2.87
0.617	1.91	3.617	3.83	6.617	12.44	9.62	2.87
0.633	1.91	3.633	3.83	6.633	12.44	9.63	2.87
0.650	1.91	3.650	3.83	6.650	12.44	9.65	2.87
0.667	1.91	3.667	3.83	6.667	12.44	9.67	2.87
0.683	1.91	3.683	3.83	6.683	12.44	9.68	2.87
0.700	1.91	3.700	3.83	6.700	12.44	9.70	2.87
0.717	1.91	3.717	3.83	6.717	12.44	9.72	2.87
0.733	1.91	3.733	3.83	6.733	12.44	9.73	2.87
0.750	1.91	3.750	3.83	6.750	12.43	9.75	2.87
0.767	1.91	3.767	3.83	6.767	7.66	9.77	1.91
0.783	1.91	3.783	3.83	6.783	7.66	9.78	1.91
0.800	1.91	3.800	3.83	6.800	7.66	9.80	1.91
0.817	1.91	3.817	3.83	6.817	7.66	9.82	1.91
0.833	1.91	3.833	3.83	6.833	7.66	9.83	1.91
0.850	1.91	3.850	3.83	6.850	7.66	9.85	1.91
0.867	1.91	3.867	3.83	6.867	7.66	9.87	1.91
0.883	1.91	3.883	3.83	6.883	7.66	9.88	1.91
0.900	1.91	3.900	3.83	6.900	7.66	9.90	1.91
0.917	1.91	3.917	3.83	6.917	7.66	9.92	1.91
0.933	1.91	3.933	3.83	6.933	7.66	9.93	1.91
0.950	1.91	3.950	3.83	6.950	7.66	9.95	1.91
0.967	1.91	3.967	3.83	6.967	7.66	9.97	1.91
0.983	1.91	3.983	3.83	6.983	7.66	9.98	1.91
1.000	1.91	4.000	3.83	7.000	7.65	10.00	1.91
1.017	1.91	4.017	4.79	7.017	6.70	10.02	1.91
1.033	1.91	4.033	4.79	7.033	6.70	10.03	1.91
1.050	1.91	4.050	4.79	7.050	6.70	10.05	1.91
1.067	1.91	4.067	4.79	7.067	6.70	10.07	1.91
1.083	1.91	4.083	4.79	7.083	6.70	10.08	1.91
1.100	1.91	4.100	4.79	7.100	6.70	10.10	1.91
1.117	1.91	4.117	4.79	7.117	6.70	10.12	1.91
1.133	1.91	4.133	4.79	7.133	6.70	10.13	1.91
1.150	1.91	4.150	4.79	7.150	6.70	10.15	1.91
1.167	1.91	4.167	4.79	7.167	6.70	10.17	1.91
1.183	1.91	4.183	4.79	7.183	6.70	10.18	1.91
1.200	1.91	4.200	4.79	7.200	6.70	10.20	1.91
1.217	1.91	4.217	4.79	7.217	6.70	10.22	1.91
1.233	1.91	4.233	4.79	7.233	6.70	10.23	1.91
1.250	1.91	4.250	4.79	7.250	6.70	10.25	1.91
1.267	1.91	4.267	5.74	7.267	5.74	10.27	1.91
1.283	1.91	4.283	5.74	7.283	5.74	10.28	1.91
1.300	1.91	4.300	5.74	7.300	5.74	10.30	1.91
1.317	1.91	4.317	5.74	7.317	5.74	10.32	1.91
1.333	1.91	4.333	5.74	7.333	5.74	10.33	1.91
1.350	1.91	4.350	5.74	7.350	5.74	10.35	1.91
1.367	1.91	4.367	5.74	7.367	5.74	10.37	1.91
1.383	1.91	4.383	5.74	7.383	5.74	10.38	1.91
1.400	1.91	4.400	5.74	7.400	5.74	10.40	1.91
1.417	1.91	4.417	5.74	7.417	5.74	10.42	1.91
1.433	1.91	4.433	5.74	7.433	5.74	10.43	1.91
1.450	1.91	4.450	5.74	7.450	5.74	10.45	1.91
1.467	1.91	4.467	5.74	7.467	5.74	10.47	1.91
1.483	1.91	4.483	5.74	7.483	5.74	10.48	1.91
1.500	1.91	4.500	5.74	7.500	5.74	10.50	1.91
1.517	1.91	4.517	6.70	7.517	5.74	10.52	1.91
1.533	1.91	4.533	6.70	7.533	5.74	10.53	1.91
1.550	1.91	4.550	6.70	7.550	5.74	10.55	1.91
1.567	1.91	4.567	6.70	7.567	5.74	10.57	1.91
1.583	1.91	4.583	6.70	7.583	5.74	10.58	1.91
1.600	1.91	4.600	6.70	7.600	5.74	10.60	1.91
1.617	1.91	4.617	6.70	7.617	5.74	10.62	1.91
1.633	1.91	4.633	6.70	7.633	5.74	10.63	1.91
1.650	1.91	4.650	6.70	7.650	5.74	10.65	1.91
1.667	1.91	4.667	6.70	7.667	5.74	10.67	1.91
1.683	1.91	4.683	6.70	7.683	5.74	10.68	1.91
1.700	1.91	4.700	6.70	7.700	5.74	10.70	1.91
1.717	1.91	4.717	6.70	7.717	5.74	10.72	1.91
1.733	1.91	4.733	6.70	7.733	5.74	10.73	1.91
1.750	1.91	4.750	6.70	7.750	5.74	10.75	1.91
1.767	1.91	4.767	7.66	7.767	5.74	10.77	1.91
1.783	1.91	4.783	7.66	7.783	5.74	10.78	1.91
1.800	1.91	4.800	7.66	7.800	5.74	10.80	1.91
1.817	1.91	4.817	7.66	7.817	5.74	10.82	1.91
1.833	1.91	4.833	7.66	7.833	5.74	10.83	1.91
1.850	1.91	4.850	7.66	7.850	5.74	10.85	1.91
1.867	1.91	4.867	7.66	7.867	5.74	10.87	1.91
1.883	1.91	4.883	7.66	7.883	5.74	10.88	1.91
1.900	1.91	4.900	7.66	7.900	5.74	10.90	1.91
1.917	1.91	4.917	7.66	7.917	5.74	10.92	1.91
1.933	1.91	4.933	7.66	7.933	5.74	10.93	1.91
1.950	1.91	4.950	7.66	7.950	5.74	10.95	1.91

1.967	1.91	4.967	7.66	7.967	5.74	10.97	1.91
1.983	1.91	4.983	7.66	7.983	5.74	10.98	1.91
2.000	1.91	5.000	7.66	8.000	5.74	11.00	1.91
2.017	2.87	5.017	9.57	8.017	4.79	11.02	1.91
2.033	2.87	5.033	9.57	8.033	4.79	11.03	1.91
2.050	2.87	5.050	9.57	8.050	4.79	11.05	1.91
2.067	2.87	5.067	9.57	8.067	4.79	11.07	1.91
2.083	2.87	5.083	9.57	8.083	4.79	11.08	1.91
2.100	2.87	5.100	9.57	8.100	4.79	11.10	1.91
2.117	2.87	5.117	9.57	8.117	4.79	11.12	1.91
2.133	2.87	5.133	9.57	8.133	4.79	11.13	1.91
2.150	2.87	5.150	9.57	8.150	4.79	11.15	1.91
2.167	2.87	5.167	9.57	8.167	4.79	11.17	1.91
2.183	2.87	5.183	9.57	8.183	4.79	11.18	1.91
2.200	2.87	5.200	9.57	8.200	4.79	11.20	1.91
2.217	2.87	5.217	9.57	8.217	4.79	11.22	1.91
2.233	2.87	5.233	9.57	8.233	4.79	11.23	1.91
2.250	2.87	5.250	9.57	8.250	4.78	11.25	1.91
2.267	3.83	5.267	11.49	8.267	3.83	11.27	1.91
2.283	3.83	5.283	11.49	8.283	3.83	11.28	1.91
2.300	3.83	5.300	11.49	8.300	3.83	11.30	1.91
2.317	3.83	5.317	11.49	8.317	3.83	11.32	1.91
2.333	3.83	5.333	11.49	8.333	3.83	11.33	1.91
2.350	3.83	5.350	11.49	8.350	3.83	11.35	1.91
2.367	3.83	5.367	11.49	8.367	3.83	11.37	1.91
2.383	3.83	5.383	11.49	8.383	3.83	11.38	1.91
2.400	3.83	5.400	11.49	8.400	3.83	11.40	1.91
2.417	3.83	5.417	11.49	8.417	3.83	11.42	1.91
2.433	3.83	5.433	11.49	8.433	3.83	11.43	1.91
2.450	3.83	5.450	11.49	8.450	3.83	11.45	1.91
2.467	3.83	5.467	11.49	8.467	3.83	11.47	1.91
2.483	3.83	5.483	11.49	8.483	3.83	11.48	1.91
2.500	3.83	5.500	11.52	8.500	3.83	11.50	1.91
2.517	3.83	5.517	48.81	8.517	3.83	11.52	1.91
2.533	3.83	5.533	48.81	8.533	3.83	11.53	1.91
2.550	3.83	5.550	48.81	8.550	3.83	11.55	1.91
2.567	3.83	5.567	48.81	8.567	3.83	11.57	1.91
2.583	3.83	5.583	48.81	8.583	3.83	11.58	1.91
2.600	3.83	5.600	48.81	8.600	3.83	11.60	1.91
2.617	3.83	5.617	48.81	8.617	3.83	11.62	1.91
2.633	3.83	5.633	48.81	8.633	3.83	11.63	1.91
2.650	3.83	5.650	48.81	8.650	3.83	11.65	1.91
2.667	3.83	5.667	48.81	8.667	3.83	11.67	1.91
2.683	3.83	5.683	48.81	8.683	3.83	11.68	1.91
2.700	3.83	5.700	48.81	8.700	3.83	11.70	1.91
2.717	3.83	5.717	48.81	8.717	3.83	11.72	1.91
2.733	3.83	5.733	48.81	8.733	3.83	11.73	1.91
2.750	3.83	5.750	48.86	8.750	3.83	11.75	1.91
2.767	3.83	5.767	86.14	8.767	3.83	11.77	1.91
2.783	3.83	5.783	86.14	8.783	3.83	11.78	1.91
2.800	3.83	5.800	86.14	8.800	3.83	11.80	1.91
2.817	3.83	5.817	86.14	8.817	3.83	11.82	1.91
2.833	3.83	5.833	86.14	8.833	3.83	11.83	1.91
2.850	3.83	5.850	86.14	8.850	3.83	11.85	1.91
2.867	3.83	5.867	86.14	8.867	3.83	11.87	1.91
2.883	3.83	5.883	86.14	8.883	3.83	11.88	1.91
2.900	3.83	5.900	86.14	8.900	3.83	11.90	1.91
2.917	3.83	5.917	86.14	8.917	3.83	11.92	1.91
2.933	3.83	5.933	86.14	8.933	3.83	11.93	1.91
2.950	3.83	5.950	86.14	8.950	3.83	11.95	1.91
2.967	3.83	5.967	86.14	8.967	3.83	11.97	1.91
2.983	3.83	5.983	86.14	8.983	3.83	11.98	1.91
3.000	3.83	6.000	86.09	9.000	3.83	12.00	1.91

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.357 (i)
TIME TO PEAK (hrs)= 7.550
RUNOFF VOLUME (mm)= 25.333
TOTAL RAINFALL (mm)= 95.470
RUNOFF COEFFICIENT = 0.265

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB STANDHYD (0001) ID= 1 DT= 1.0 min	Area (ha)= 1.18 Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00
Surface Area (ha)= 0.26 Dep. Storage (mm)= 2.00 Average slope (%)= 1.00	IMPERVIOUS PERVIOUS (i)	0.92 5.00 2.00

Length (m)= 88.84 40.00
Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.96	3.017	3.83	6.017	51.68	9.02	3.83
0.033	0.96	3.033	3.83	6.033	51.68	9.03	3.83
0.050	0.96	3.050	3.83	6.050	51.68	9.05	3.83
0.067	0.96	3.067	3.83	6.067	51.68	9.07	3.83
0.083	0.96	3.083	3.83	6.083	51.68	9.08	3.83
0.100	0.96	3.100	3.83	6.100	51.68	9.10	3.83
0.117	0.96	3.117	3.83	6.117	51.68	9.12	3.83
0.133	0.96	3.133	3.83	6.133	51.68	9.13	3.83
0.150	0.96	3.150	3.83	6.150	51.68	9.15	3.83
0.167	0.96	3.167	3.83	6.167	51.68	9.17	3.83
0.183	0.96	3.183	3.83	6.183	51.68	9.18	3.83
0.200	0.96	3.200	3.83	6.200	51.68	9.20	3.83
0.217	0.96	3.217	3.83	6.217	51.68	9.22	3.83
0.233	0.96	3.233	3.83	6.233	51.68	9.23	3.83
0.250	0.96	3.250	3.83	6.250	51.63	9.25	3.83
0.267	1.91	3.267	3.83	6.267	17.23	9.27	3.83
0.283	1.91	3.283	3.83	6.283	17.23	9.28	3.83
0.300	1.91	3.300	3.83	6.300	17.23	9.30	3.83
0.317	1.91	3.317	3.83	6.317	17.23	9.32	3.83
0.333	1.91	3.333	3.83	6.333	17.23	9.33	3.83
0.350	1.91	3.350	3.83	6.350	17.23	9.35	3.83
0.367	1.91	3.367	3.83	6.367	17.23	9.37	3.83
0.383	1.91	3.383	3.83	6.383	17.23	9.38	3.83
0.400	1.91	3.400	3.83	6.400	17.23	9.40	3.83
0.417	1.91	3.417	3.83	6.417	17.23	9.42	3.83
0.433	1.91	3.433	3.83	6.433	17.23	9.43	3.83
0.450	1.91	3.450	3.83	6.450	17.23	9.45	3.83
0.467	1.91	3.467	3.83	6.467	17.23	9.47	3.83
0.483	1.91	3.483	3.83	6.483	17.23	9.48	3.83
0.500	1.91	3.500	3.83	6.500	17.22	9.50	3.83
0.517	1.91	3.517	3.83	6.517	12.44	9.52	2.87
0.533	1.91	3.533	3.83	6.533	12.44	9.53	2.87
0.550	1.91	3.550	3.83	6.550	12.44	9.55	2.87
0.567	1.91	3.567	3.83	6.567	12.44	9.57	2.87
0.583	1.91	3.583	3.83	6.583	12.44	9.58	2.87
0.600	1.91	3.600	3.83	6.600	12.44	9.60	2.87
0.617	1.91	3.617	3.83	6.617	12.44	9.62	2.87
0.633	1.91	3.633	3.83	6.633	12.44	9.63	2.87
0.650	1.91	3.650	3.83	6.650	12.44	9.65	2.87
0.667	1.91	3.667	3.83	6.667	12.44	9.67	2.87
0.683	1.91	3.683	3.83	6.683	12.44	9.68	2.87
0.700	1.91	3.700	3.83	6.700	12.44	9.70	2.87
0.717	1.91	3.717	3.83	6.717	12.44	9.72	2.87
0.733	1.91	3.733	3.83	6.733	12.44	9.73	2.87
0.750	1.91	3.750	3.83	6.750	12.43	9.75	2.87
0.767	1.91	3.767	3.83	6.767	7.66	9.77	1.91
0.783	1.91	3.783	3.83	6.783	7.66	9.78	1.91
0.800	1.91	3.800	3.83	6.800	7.66	9.80	1.91
0.817	1.91	3.817	3.83	6.817	7.66	9.82	1.91
0.833	1.91	3.833	3.83	6.833	7.66	9.83	1.91
0.850	1.91	3.850	3.83	6.850	7.66	9.85	1.91
0.867	1.91	3.867	3.83	6.867	7.66	9.87	1.91
0.883	1.91	3.883	3.83	6.883	7.66	9.88	1.91
0.900	1.91	3.900	3.83	6.900	7.66	9.90	1.91
0.917	1.91	3.917	3.83	6.917	7.66	9.92	1.91
0.933	1.91	3.933	3.83	6.933	7.66	9.93	1.91
0.950	1.91	3.950	3.83	6.950	7.66	9.95	1.91
0.967	1.91	3.967	3.83	6.967	7.66	9.97	1.91
0.983	1.91	3.983	3.83	6.983	7.66	9.98	1.91
1.000	1.91	4.000	3.83	7.000	7.65	10.00	1.91
1.017	1.91	4.017	4.79	7.017	6.70	10.02	1.91
1.033	1.91	4.033	4.79	7.033	6.70	10.03	1.91
1.050	1.91	4.050	4.79	7.050	6.70	10.05	1.91
1.067	1.91	4.067	4.79	7.067	6.70	10.07	1.91
1.083	1.91	4.083	4.79	7.083	6.70	10.08	1.91
1.100	1.91	4.100	4.79	7.100	6.70	10.10	1.91
1.117	1.91	4.117	4.79	7.117	6.70	10.12	1.91
1.133	1.91	4.133	4.79	7.133	6.70	10.13	1.91
1.150	1.91	4.150	4.79	7.150	6.70	10.15	1.91
1.167	1.91	4.167	4.79	7.167	6.70	10.17	1.91
1.183	1.91	4.183	4.79	7.183	6.70	10.18	1.91
1.200	1.91	4.200	4.79	7.200	6.70	10.20	1.91
1.217	1.91	4.217	4.79	7.217	6.70	10.22	1.91
1.233	1.91	4.233	4.79	7.233	6.70	10.23	1.91
1.250	1.91	4.250	4.79	7.250	6.70	10.25	1.91

1.267	1.91	4.267	5.74	7.267	5.74	10.27	1.91
1.283	1.91	4.283	5.74	7.283	5.74	10.28	1.91
1.300	1.91	4.300	5.74	7.300	5.74	10.30	1.91
1.317	1.91	4.317	5.74	7.317	5.74	10.32	1.91
1.333	1.91	4.333	5.74	7.333	5.74	10.33	1.91
1.350	1.91	4.350	5.74	7.350	5.74	10.35	1.91
1.367	1.91	4.367	5.74	7.367	5.74	10.37	1.91
1.383	1.91	4.383	5.74	7.383	5.74	10.38	1.91
1.400	1.91	4.400	5.74	7.400	5.74	10.40	1.91
1.417	1.91	4.417	5.74	7.417	5.74	10.42	1.91
1.433	1.91	4.433	5.74	7.433	5.74	10.43	1.91
1.450	1.91	4.450	5.74	7.450	5.74	10.45	1.91
1.467	1.91	4.467	5.74	7.467	5.74	10.47	1.91
1.483	1.91	4.483	5.74	7.483	5.74	10.48	1.91
1.500	1.91	4.500	5.74	7.500	5.74	10.50	1.91
1.517	1.91	4.517	6.70	7.517	5.74	10.52	1.91
1.533	1.91	4.533	6.70	7.533	5.74	10.53	1.91
1.550	1.91	4.550	6.70	7.550	5.74	10.55	1.91
1.567	1.91	4.567	6.70	7.567	5.74	10.57	1.91
1.583	1.91	4.583	6.70	7.583	5.74	10.58	1.91
1.600	1.91	4.600	6.70	7.600	5.74	10.60	1.91
1.617	1.91	4.617	6.70	7.617	5.74	10.62	1.91
1.633	1.91	4.633	6.70	7.633	5.74	10.63	1.91
1.650	1.91	4.650	6.70	7.650	5.74	10.65	1.91
1.667	1.91	4.667	6.70	7.667	5.74	10.67	1.91
1.683	1.91	4.683	6.70	7.683	5.74	10.68	1.91
1.700	1.91	4.700	6.70	7.700	5.74	10.70	1.91
1.717	1.91	4.717	6.70	7.717	5.74	10.72	1.91
1.733	1.91	4.733	6.70	7.733	5.74	10.73	1.91
1.750	1.91	4.750	6.70	7.750	5.74	10.75	1.91
1.767	1.91	4.767	7.66	7.767	5.74	10.77	1.91
1.783	1.91	4.783	7.66	7.783	5.74	10.78	1.91
1.800	1.91	4.800	7.66	7.800	5.74	10.80	1.91
1.817	1.91	4.817	7.66	7.817	5.74	10.82	1.91
1.833	1.91	4.833	7.66	7.833	5.74	10.83	1.91
1.850	1.91	4.850	7.66	7.850	5.74	10.85	1.91
1.867	1.91	4.867	7.66	7.867	5.74	10.87	1.91
1.883	1.91	4.883	7.66	7.883	5.74	10.88	1.91
1.900	1.91	4.900	7.66	7.900	5.74	10.90	1.91
1.917	1.91	4.917	7.66	7.917	5.74	10.92	1.91
1.933	1.91	4.933	7.66	7.933	5.74	10.93	1.91
1.950	1.91	4.950	7.66	7.950	5.74	10.95	1.91
1.967	1.91	4.967	7.66	7.967	5.74	10.97	1.91
1.983	1.91	4.983	7.66	7.983	5.74	10.98	1.91
2.000	1.91	5.000	7.66	8.000	5.74	11.00	1.91
2.017	2.87	5.017	9.57	8.017	4.79	11.02	1.91
2.033	2.87	5.033	9.57	8.033	4.79	11.03	1.91
2.050	2.87	5.050	9.57	8.050	4.79	11.05	1.91
2.067	2.87	5.067	9.57	8.067	4.79	11.07	1.91
2.083	2.87	5.083	9.57	8.083	4.79	11.08	1.91
2.100	2.87	5.100	9.57	8.100	4.79	11.10	1.91
2.117	2.87	5.117	9.57	8.117	4.79	11.12	1.91
2.133	2.87	5.133	9.57	8.133	4.79	11.13	1.91
2.150	2.87	5.150	9.57	8.150	4.79	11.15	1.91
2.167	2.87	5.167	9.57	8.167	4.79	11.17	1.91
2.183	2.87	5.183	9.57	8.183	4.79	11.18	1.91
2.200	2.87	5.200	9.57	8.200	4.79	11.20	1.91
2.217	2.87	5.217	9.57	8.217	4.79	11.22	1.91
2.233	2.87	5.233	9.57	8.233	4.79	11.23	1.91
2.250	2.87	5.250	9.57	8.250	4.78	11.25	1.91
2.267	3.83	5.267	11.49	8.267	3.83	11.27	1.91
2.283	3.83	5.283	11.49	8.283	3.83	11.28	1.91
2.300	3.83	5.300	11.49	8.300	3.83	11.30	1.91
2.317	3.83	5.317	11.49	8.317	3.83	11.32	1.91
2.333	3.83	5.333	11.49	8.333	3.83	11.33	1.91
2.350	3.83	5.350	11.49	8.350	3.83	11.35	1.91
2.367	3.83	5.367	11.49	8.367	3.83	11.37	1.91
2.383	3.83	5.383	11.49	8.383	3.83	11.38	1.91
2.400	3.83	5.400	11.49	8.400	3.83	11.40	1.91
2.417	3.83	5.417	11.49	8.417	3.83	11.42	1.91
2.433	3.83	5.433	11.49	8.433	3.83	11.43	1.91
2.450	3.83	5.450	11.49	8.450	3.83	11.45	1.91
2.467	3.83	5.467	11.49	8.467	3.83	11.47	1.91
2.483	3.83	5.483	11.49	8.483	3.83	11.48	1.91
2.500	3.83	5.500	11.52	8.500	3.83	11.50	1.91
2.517	3.83	5.517	48.81	8.517	3.83	11.52	1.91
2.533	3.83	5.533	48.81	8.533	3.83	11.53	1.91
2.550	3.83	5.550	48.81	8.550	3.83	11.55	1.91
2.567	3.83	5.567	48.81	8.567	3.83	11.57	1.91
2.583	3.83	5.583	48.81	8.583	3.83	11.58	1.91
2.600	3.83	5.600	48.81	8.600	3.83	11.60	1.91
2.617	3.83	5.617	48.81	8.617	3.83	11.62	1.91
2.633	3.83	5.633	48.81	8.633	3.83	11.63	1.91
2.650	3.83	5.650	48.81	8.650	3.83	11.65	1.91

2.667	3.83	5.667	48.81	8.667	3.83	11.67	1.91
2.683	3.83	5.683	48.81	8.683	3.83	11.68	1.91
2.700	3.83	5.700	48.81	8.700	3.83	11.70	1.91
2.717	3.83	5.717	48.81	8.717	3.83	11.72	1.91
2.733	3.83	5.733	48.81	8.733	3.83	11.73	1.91
2.750	3.83	5.750	48.86	8.750	3.83	11.75	1.91
2.767	3.83	5.767	86.14	8.767	3.83	11.77	1.91
2.783	3.83	5.783	86.14	8.783	3.83	11.78	1.91
2.800	3.83	5.800	86.14	8.800	3.83	11.80	1.91
2.817	3.83	5.817	86.14	8.817	3.83	11.82	1.91
2.833	3.83	5.833	86.14	8.833	3.83	11.83	1.91
2.850	3.83	5.850	86.14	8.850	3.83	11.85	1.91
2.867	3.83	5.867	86.14	8.867	3.83	11.87	1.91
2.883	3.83	5.883	86.14	8.883	3.83	11.88	1.91
2.900	3.83	5.900	86.14	8.900	3.83	11.90	1.91
2.917	3.83	5.917	86.14	8.917	3.83	11.92	1.91
2.933	3.83	5.933	86.14	8.933	3.83	11.93	1.91
2.950	3.83	5.950	86.14	8.950	3.83	11.95	1.91
2.967	3.83	5.967	86.14	8.967	3.83	11.97	1.91
2.983	3.83	5.983	86.14	8.983	3.83	11.98	1.91
3.000	3.83	6.000	86.09	9.000	3.83	12.00	1.91

Max.Eff.Inten.(mm/hr)= 86.14 25.60
over (min) 5.00 15.00
Storage Coeff. (min)= 2.53 (ii) 14.70 (ii)
Unit Hyd. Tpeak (min)= 5.00 15.00
Unit Hyd. peak (cms)= 0.34 0.08

TOTALS

PEAK FLOW (cms)= 0.06 0.05 0.095 (iii)
TIME TO PEAK (hrs)= 6.00 6.25 6.02
RUNOFF VOLUME (mm)= 93.47 26.67 41.36
TOTAL RAINFALL (mm)= 95.47 95.47 95.47
RUNOFF COEFFICIENT = 0.98 0.28 0.43

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)		AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3		(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0001):		1.18	0.095	6.02	41.36
+ ID2= 2 (0003):		19.20	0.357	7.55	25.33
=====		=====			
ID = 3 (0005):		20.39	0.369	7.53	26.29

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:4.1 SCS II 24hr 2yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData
	ata\Local\Temp\
	6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\38ba427f
Ptotal= 56.66 mm	Comments: SCS 24 HOUR TYPE II STORM DISTRIBUTION 1

Duration of storm = 24.00 hrs
Mass curve time step = 15.00 min

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	0.62	6.00	1.02	12.00	8.16	18.00	1.02
0.25	0.62	6.25	1.02	12.25	8.16	18.25	1.02
0.50	0.62	6.50	1.02	12.50	4.19	18.50	1.02
0.75	0.62	6.75	1.02	12.75	4.19	18.75	1.02
1.00	0.62	7.00	1.25	13.00	3.06	19.00	1.02
1.25	0.62	7.25	1.25	13.25	3.06	19.25	1.02
1.50	0.62	7.50	1.25	13.50	2.38	19.50	1.02
1.75	0.62	7.75	1.25	13.75	2.38	19.75	1.02
2.00	0.74	8.00	1.47	14.00	1.70	20.00	0.68
2.25	0.74	8.25	1.47	14.25	1.70	20.25	0.68
2.50	0.74	8.50	1.59	14.50	1.70	20.50	0.68
2.75	0.74	8.75	1.59	14.75	1.70	20.75	0.68
3.00	0.74	9.00	1.81	15.00	1.70	21.00	0.68
3.25	0.74	9.25	1.81	15.25	1.70	21.25	0.68
3.50	0.74	9.50	2.04	15.50	1.70	21.50	0.68
3.75	0.74	9.75	2.04	15.75	1.70	21.75	0.68

4.00	0.91	10.00	2.61	16.00	1.02	22.00	0.68
4.25	0.91	10.25	2.61	16.25	1.02	22.25	0.68
4.50	0.91	10.50	3.51	16.50	1.02	22.50	0.68
4.75	0.91	10.75	3.51	16.75	1.02	22.75	0.68
5.00	0.91	11.00	5.44	17.00	1.02	23.00	0.68
5.25	0.91	11.25	5.44	17.25	1.02	23.25	0.68
5.50	0.91	11.50	16.77	17.50	1.02	23.50	0.68
5.75	0.91	11.75	69.35	17.75	1.02	23.75	0.68

CALIB			
NASHYD (0003)	Area (ha)=	19.20	Curve Number (CN)= 55.0
ID= 1 DT= 1.0 min	Ia (mm)=	9.10	# of Linear Res.(N)= 3.00
	U.H. Tp(hrs)=	1.32	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.62	6.017	1.02	12.017	8.20	18.02	1.02
0.033	0.62	6.033	1.02	12.033	8.16	18.03	1.02
0.050	0.62	6.050	1.02	12.050	8.16	18.05	1.02
0.067	0.62	6.067	1.02	12.067	8.16	18.07	1.02
0.083	0.62	6.083	1.02	12.083	8.16	18.08	1.02
0.100	0.62	6.100	1.02	12.100	8.16	18.10	1.02
0.117	0.62	6.117	1.02	12.117	8.16	18.12	1.02
0.133	0.62	6.133	1.02	12.133	8.16	18.13	1.02
0.150	0.62	6.150	1.02	12.150	8.16	18.15	1.02
0.167	0.62	6.167	1.02	12.167	8.16	18.17	1.02
0.183	0.62	6.183	1.02	12.183	8.16	18.18	1.02
0.200	0.62	6.200	1.02	12.200	8.16	18.20	1.02
0.217	0.62	6.217	1.02	12.217	8.16	18.22	1.02
0.233	0.62	6.233	1.02	12.233	8.16	18.23	1.02
0.250	0.62	6.250	1.02	12.250	8.16	18.25	1.02
0.267	0.62	6.267	1.02	12.267	8.16	18.27	1.02
0.283	0.62	6.283	1.02	12.283	8.16	18.28	1.02
0.300	0.62	6.300	1.02	12.300	8.16	18.30	1.02
0.317	0.62	6.317	1.02	12.317	8.16	18.32	1.02
0.333	0.62	6.333	1.02	12.333	8.16	18.33	1.02
0.350	0.62	6.350	1.02	12.350	8.16	18.35	1.02
0.367	0.62	6.367	1.02	12.367	8.16	18.37	1.02
0.383	0.62	6.383	1.02	12.383	8.16	18.38	1.02
0.400	0.62	6.400	1.02	12.400	8.16	18.40	1.02
0.417	0.62	6.417	1.02	12.417	8.16	18.42	1.02
0.433	0.62	6.433	1.02	12.433	8.16	18.43	1.02
0.450	0.62	6.450	1.02	12.450	8.16	18.45	1.02
0.467	0.62	6.467	1.02	12.467	8.16	18.47	1.02
0.483	0.62	6.483	1.02	12.483	8.16	18.48	1.02
0.500	0.62	6.500	1.02	12.500	8.16	18.50	1.02
0.517	0.62	6.517	1.02	12.517	4.20	18.52	1.02
0.533	0.62	6.533	1.02	12.533	4.19	18.53	1.02
0.550	0.62	6.550	1.02	12.550	4.19	18.55	1.02
0.567	0.62	6.567	1.02	12.567	4.19	18.57	1.02
0.583	0.62	6.583	1.02	12.583	4.19	18.58	1.02
0.600	0.62	6.600	1.02	12.600	4.19	18.60	1.02
0.617	0.62	6.617	1.02	12.617	4.19	18.62	1.02
0.633	0.62	6.633	1.02	12.633	4.19	18.63	1.02
0.650	0.62	6.650	1.02	12.650	4.19	18.65	1.02
0.667	0.62	6.667	1.02	12.667	4.19	18.67	1.02
0.683	0.62	6.683	1.02	12.683	4.19	18.68	1.02
0.700	0.62	6.700	1.02	12.700	4.19	18.70	1.02
0.717	0.62	6.717	1.02	12.717	4.19	18.72	1.02
0.733	0.62	6.733	1.02	12.733	4.19	18.73	1.02
0.750	0.62	6.750	1.02	12.750	4.19	18.75	1.02
0.767	0.62	6.767	1.02	12.767	4.19	18.77	1.02
0.783	0.62	6.783	1.02	12.783	4.19	18.78	1.02
0.800	0.62	6.800	1.02	12.800	4.19	18.80	1.02
0.817	0.62	6.817	1.02	12.817	4.19	18.82	1.02
0.833	0.62	6.833	1.02	12.833	4.19	18.83	1.02
0.850	0.62	6.850	1.02	12.850	4.19	18.85	1.02
0.867	0.62	6.867	1.02	12.867	4.19	18.87	1.02
0.883	0.62	6.883	1.02	12.883	4.19	18.88	1.02
0.900	0.62	6.900	1.02	12.900	4.19	18.90	1.02
0.917	0.62	6.917	1.02	12.917	4.19	18.92	1.02
0.933	0.62	6.933	1.02	12.933	4.19	18.93	1.02
0.950	0.62	6.950	1.02	12.950	4.19	18.95	1.02
0.967	0.62	6.967	1.02	12.967	4.19	18.97	1.02
0.983	0.62	6.983	1.02	12.983	4.19	18.98	1.02
1.000	0.62	7.000	1.02	13.000	4.19	19.00	1.02
1.017	0.62	7.017	1.25	13.017	3.06	19.02	1.02
1.033	0.62	7.033	1.25	13.033	3.06	19.03	1.02

1.050	0.62	7.050	1.25	13.050	3.06	19.05	1.02
1.067	0.62	7.067	1.25	13.067	3.06	19.07	1.02
1.083	0.62	7.083	1.25	13.083	3.06	19.08	1.02
1.100	0.62	7.100	1.25	13.100	3.06	19.10	1.02
1.117	0.62	7.117	1.25	13.117	3.06	19.12	1.02
1.133	0.62	7.133	1.25	13.133	3.06	19.13	1.02
1.150	0.62	7.150	1.25	13.150	3.06	19.15	1.02
1.167	0.62	7.167	1.25	13.167	3.06	19.17	1.02
1.183	0.62	7.183	1.25	13.183	3.06	19.18	1.02
1.200	0.62	7.200	1.25	13.200	3.06	19.20	1.02
1.217	0.62	7.217	1.25	13.217	3.06	19.22	1.02
1.233	0.62	7.233	1.25	13.233	3.06	19.23	1.02
1.250	0.62	7.250	1.25	13.250	3.06	19.25	1.02
1.267	0.62	7.267	1.25	13.267	3.06	19.27	1.02
1.283	0.62	7.283	1.25	13.283	3.06	19.28	1.02
1.300	0.62	7.300	1.25	13.300	3.06	19.30	1.02
1.317	0.62	7.317	1.25	13.317	3.06	19.32	1.02
1.333	0.62	7.333	1.25	13.333	3.06	19.33	1.02
1.350	0.62	7.350	1.25	13.350	3.06	19.35	1.02
1.367	0.62	7.367	1.25	13.367	3.06	19.37	1.02
1.383	0.62	7.383	1.25	13.383	3.06	19.38	1.02
1.400	0.62	7.400	1.25	13.400	3.06	19.40	1.02
1.417	0.62	7.417	1.25	13.417	3.06	19.42	1.02
1.433	0.62	7.433	1.25	13.433	3.06	19.43	1.02
1.450	0.62	7.450	1.25	13.450	3.06	19.45	1.02
1.467	0.62	7.467	1.25	13.467	3.06	19.47	1.02
1.483	0.62	7.483	1.25	13.483	3.06	19.48	1.02
1.500	0.62	7.500	1.25	13.500	3.06	19.50	1.02
1.517	0.62	7.517	1.25	13.517	2.38	19.52	1.02
1.533	0.62	7.533	1.25	13.533	2.38	19.53	1.02
1.550	0.62	7.550	1.25	13.550	2.38	19.55	1.02
1.567	0.62	7.567	1.25	13.567	2.38	19.57	1.02
1.583	0.62	7.583	1.25	13.583	2.38	19.58	1.02
1.600	0.62	7.600	1.25	13.600	2.38	19.60	1.02
1.617	0.62	7.617	1.25	13.617	2.38	19.62	1.02
1.633	0.62	7.633	1.25	13.633	2.38	19.63	1.02
1.650	0.62	7.650	1.25	13.650	2.38	19.65	1.02
1.667	0.62	7.667	1.25	13.667	2.38	19.67	1.02
1.683	0.62	7.683	1.25	13.683	2.38	19.68	1.02
1.700	0.62	7.700	1.25	13.700	2.38	19.70	1.02
1.717	0.62	7.717	1.25	13.717	2.38	19.72	1.02
1.733	0.62	7.733	1.25	13.733	2.38	19.73	1.02
1.750	0.62	7.750	1.25	13.750	2.38	19.75	1.02
1.767	0.62	7.767	1.25	13.767	2.38	19.77	1.02
1.783	0.62	7.783	1.25	13.783	2.38	19.78	1.02
1.800	0.62	7.800	1.25	13.800	2.38	19.80	1.02
1.817	0.62	7.817	1.25	13.817	2.38	19.82	1.02
1.833	0.62	7.833	1.25	13.833	2.38	19.83	1.02
1.850	0.62	7.850	1.25	13.850	2.38	19.85	1.02
1.867	0.62	7.867	1.25	13.867	2.38	19.87	1.02
1.883	0.62	7.883	1.25	13.883	2.38	19.88	1.02
1.900	0.62	7.900	1.25	13.900	2.38	19.90	1.02
1.917	0.62	7.917	1.25	13.917	2.38	19.92	1.02
1.933	0.62	7.933	1.25	13.933	2.38	19.93	1.02
1.950	0.62	7.950	1.25	13.950	2.38	19.95	1.02
1.967	0.62	7.967	1.25	13.967	2.38	19.97	1.02
1.983	0.62	7.983	1.25	13.983	2.38	19.98	1.02
2.000	0.62	8.000	1.25	14.000	2.38	20.00	1.02
2.017	0.74	8.017	1.47	14.017	1.70	20.02	0.68
2.033	0.74	8.033	1.47	14.033	1.70	20.03	0.68
2.050	0.74	8.050	1.47	14.050	1.70	20.05	0.68
2.067	0.74	8.067	1.47	14.067	1.70	20.07	0.68
2.083	0.74	8.083	1.47	14.083	1.70	20.08	0.68
2.100	0.74	8.100	1.47	14.100	1.70	20.10	0.68
2.117	0.74	8.117	1.47	14.117	1.70	20.12	0.68
2.133	0.74	8.133	1.47	14.133	1.70	20.13	0.68
2.150	0.74	8.150	1.47	14.150	1.70	20.15	0.68
2.167	0.74	8.167	1.47	14.167	1.70	20.17	0.68
2.183	0.74	8.183	1.47	14.183	1.70	20.18	0.68
2.200	0.74	8.200	1.47	14.200	1.70	20.20	0.68
2.217	0.74	8.217	1.47	14.217	1.70	20.22	0.68
2.233	0.74	8.233	1.47	14.233	1.70	20.23	0.68
2.250	0.74	8.250	1.47	14.250	1.70	20.25	0.68
2.267	0.74	8.267	1.47	14.267	1.70	20.27	0.68
2.283	0.74	8.283	1.47	14.283	1.70	20.28	0.68
2.300	0.74	8.300	1.47	14.300	1.70	20.30	0.68
2.317	0.74	8.317	1.47	14.317	1.70	20.32	0.68
2.333	0.74	8.333	1.47	14.333	1.70	20.33	0.68
2.350	0.74	8.350	1.47	14.350	1.70	20.35	0.68
2.367	0.74	8.367	1.47	14.367	1.70	20.37	0.68
2.383	0.74	8.383	1.47	14.383	1.70	20.38	0.68
2.400	0.74	8.400	1.47	14.400	1.70	20.40	0.68
2.417	0.74	8.417	1.47	14.417	1.70	20.42	0.68
2.433	0.74	8.433	1.47	14.433	1.70	20.43	0.68

2.450	0.74	8.450	1.47	14.450	1.70	20.45	0.68
2.467	0.74	8.467	1.47	14.467	1.70	20.47	0.68
2.483	0.74	8.483	1.47	14.483	1.70	20.48	0.68
2.500	0.74	8.500	1.47	14.500	1.70	20.50	0.68
2.517	0.74	8.517	1.59	14.517	1.70	20.52	0.68
2.533	0.74	8.533	1.59	14.533	1.70	20.53	0.68
2.550	0.74	8.550	1.59	14.550	1.70	20.55	0.68
2.567	0.74	8.567	1.59	14.567	1.70	20.57	0.68
2.583	0.74	8.583	1.59	14.583	1.70	20.58	0.68
2.600	0.74	8.600	1.59	14.600	1.70	20.60	0.68
2.617	0.74	8.617	1.59	14.617	1.70	20.62	0.68
2.633	0.74	8.633	1.59	14.633	1.70	20.63	0.68
2.650	0.74	8.650	1.59	14.650	1.70	20.65	0.68
2.667	0.74	8.667	1.59	14.667	1.70	20.67	0.68
2.683	0.74	8.683	1.59	14.683	1.70	20.68	0.68
2.700	0.74	8.700	1.59	14.700	1.70	20.70	0.68
2.717	0.74	8.717	1.59	14.717	1.70	20.72	0.68
2.733	0.74	8.733	1.59	14.733	1.70	20.73	0.68
2.750	0.74	8.750	1.59	14.750	1.70	20.75	0.68
2.767	0.74	8.767	1.59	14.767	1.70	20.77	0.68
2.783	0.74	8.783	1.59	14.783	1.70	20.78	0.68
2.800	0.74	8.800	1.59	14.800	1.70	20.80	0.68
2.817	0.74	8.817	1.59	14.817	1.70	20.82	0.68
2.833	0.74	8.833	1.59	14.833	1.70	20.83	0.68
2.850	0.74	8.850	1.59	14.850	1.70	20.85	0.68
2.867	0.74	8.867	1.59	14.867	1.70	20.87	0.68
2.883	0.74	8.883	1.59	14.883	1.70	20.88	0.68
2.900	0.74	8.900	1.59	14.900	1.70	20.90	0.68
2.917	0.74	8.917	1.59	14.917	1.70	20.92	0.68
2.933	0.74	8.933	1.59	14.933	1.70	20.93	0.68
2.950	0.74	8.950	1.59	14.950	1.70	20.95	0.68
2.967	0.74	8.967	1.59	14.967	1.70	20.97	0.68
2.983	0.74	8.983	1.59	14.983	1.70	20.98	0.68
3.000	0.74	9.000	1.59	15.000	1.70	21.00	0.68
3.017	0.74	9.017	1.81	15.017	1.70	21.02	0.68
3.033	0.74	9.033	1.81	15.033	1.70	21.03	0.68
3.050	0.74	9.050	1.81	15.050	1.70	21.05	0.68
3.067	0.74	9.067	1.81	15.067	1.70	21.07	0.68
3.083	0.74	9.083	1.81	15.083	1.70	21.08	0.68
3.100	0.74	9.100	1.81	15.100	1.70	21.10	0.68
3.117	0.74	9.117	1.81	15.117	1.70	21.12	0.68
3.133	0.74	9.133	1.81	15.133	1.70	21.13	0.68
3.150	0.74	9.150	1.81	15.150	1.70	21.15	0.68
3.167	0.74	9.167	1.81	15.167	1.70	21.17	0.68
3.183	0.74	9.183	1.81	15.183	1.70	21.18	0.68
3.200	0.74	9.200	1.81	15.200	1.70	21.20	0.68
3.217	0.74	9.217	1.81	15.217	1.70	21.22	0.68
3.233	0.74	9.233	1.81	15.233	1.70	21.23	0.68
3.250	0.74	9.250	1.81	15.250	1.70	21.25	0.68
3.267	0.74	9.267	1.81	15.267	1.70	21.27	0.68
3.283	0.74	9.283	1.81	15.283	1.70	21.28	0.68
3.300	0.74	9.300	1.81	15.300	1.70	21.30	0.68
3.317	0.74	9.317	1.81	15.317	1.70	21.32	0.68
3.333	0.74	9.333	1.81	15.333	1.70	21.33	0.68
3.350	0.74	9.350	1.81	15.350	1.70	21.35	0.68
3.367	0.74	9.367	1.81	15.367	1.70	21.37	0.68
3.383	0.74	9.383	1.81	15.383	1.70	21.38	0.68
3.400	0.74	9.400	1.81	15.400	1.70	21.40	0.68
3.417	0.74	9.417	1.81	15.417	1.70	21.42	0.68
3.433	0.74	9.433	1.81	15.433	1.70	21.43	0.68
3.450	0.74	9.450	1.81	15.450	1.70	21.45	0.68
3.467	0.74	9.467	1.81	15.467	1.70	21.47	0.68
3.483	0.74	9.483	1.81	15.483	1.70	21.48	0.68
3.500	0.74	9.500	1.81	15.500	1.70	21.50	0.68
3.517	0.74	9.517	2.04	15.517	1.70	21.52	0.68
3.533	0.74	9.533	2.04	15.533	1.70	21.53	0.68
3.550	0.74	9.550	2.04	15.550	1.70	21.55	0.68
3.567	0.74	9.567	2.04	15.567	1.70	21.57	0.68
3.583	0.74	9.583	2.04	15.583	1.70	21.58	0.68
3.600	0.74	9.600	2.04	15.600	1.70	21.60	0.68
3.617	0.74	9.617	2.04	15.617	1.70	21.62	0.68
3.633	0.74	9.633	2.04	15.633	1.70	21.63	0.68
3.650	0.74	9.650	2.04	15.650	1.70	21.65	0.68
3.667	0.74	9.667	2.04	15.667	1.70	21.67	0.68
3.683	0.74	9.683	2.04	15.683	1.70	21.68	0.68
3.700	0.74	9.700	2.04	15.700	1.70	21.70	0.68
3.717	0.74	9.717	2.04	15.717	1.70	21.72	0.68
3.733	0.74	9.733	2.04	15.733	1.70	21.73	0.68
3.750	0.74	9.750	2.04	15.750	1.70	21.75	0.68
3.767	0.74	9.767	2.04	15.767	1.70	21.77	0.68
3.783	0.74	9.783	2.04	15.783	1.70	21.78	0.68
3.800	0.74	9.800	2.04	15.800	1.70	21.80	0.68
3.817	0.74	9.817	2.04	15.817	1.70	21.82	0.68
3.833	0.74	9.833	2.04	15.833	1.70	21.83	0.68

3.850	0.74	9.850	2.04	15.850	1.70	21.85	0.68
3.867	0.74	9.867	2.04	15.867	1.70	21.87	0.68
3.883	0.74	9.883	2.04	15.883	1.70	21.88	0.68
3.900	0.74	9.900	2.04	15.900	1.70	21.90	0.68
3.917	0.74	9.917	2.04	15.917	1.70	21.92	0.68
3.933	0.74	9.933	2.04	15.933	1.70	21.93	0.68
3.950	0.74	9.950	2.04	15.950	1.70	21.95	0.68
3.967	0.74	9.967	2.04	15.967	1.70	21.97	0.68
3.983	0.74	9.983	2.04	15.983	1.70	21.98	0.68
4.000	0.74	10.000	2.04	16.000	1.70	22.00	0.68
4.017	0.91	10.017	2.61	16.017	1.02	22.02	0.68
4.033	0.91	10.033	2.61	16.033	1.02	22.03	0.68
4.050	0.91	10.050	2.61	16.050	1.02	22.05	0.68
4.067	0.91	10.067	2.61	16.067	1.02	22.07	0.68
4.083	0.91	10.083	2.61	16.083	1.02	22.08	0.68
4.100	0.91	10.100	2.61	16.100	1.02	22.10	0.68
4.117	0.91	10.117	2.61	16.117	1.02	22.12	0.68
4.133	0.91	10.133	2.61	16.133	1.02	22.13	0.68
4.150	0.91	10.150	2.61	16.150	1.02	22.15	0.68
4.167	0.91	10.167	2.61	16.167	1.02	22.17	0.68
4.183	0.91	10.183	2.61	16.183	1.02	22.18	0.68
4.200	0.91	10.200	2.61	16.200	1.02	22.20	0.68
4.217	0.91	10.217	2.61	16.217	1.02	22.22	0.68
4.233	0.91	10.233	2.61	16.233	1.02	22.23	0.68
4.250	0.91	10.250	2.61	16.250	1.02	22.25	0.68
4.267	0.91	10.267	2.61	16.267	1.02	22.27	0.68
4.283	0.91	10.283	2.61	16.283	1.02	22.28	0.68
4.300	0.91	10.300	2.61	16.300	1.02	22.30	0.68
4.317	0.91	10.317	2.61	16.317	1.02	22.32	0.68
4.333	0.91	10.333	2.61	16.333	1.02	22.33	0.68
4.350	0.91	10.350	2.61	16.350	1.02	22.35	0.68
4.367	0.91	10.367	2.61	16.367	1.02	22.37	0.68
4.383	0.91	10.383	2.61	16.383	1.02	22.38	0.68
4.400	0.91	10.400	2.61	16.400	1.02	22.40	0.68
4.417	0.91	10.417	2.61	16.417	1.02	22.42	0.68
4.433	0.91	10.433	2.61	16.433	1.02	22.43	0.68
4.450	0.91	10.450	2.61	16.450	1.02	22.45	0.68
4.467	0.91	10.467	2.61	16.467	1.02	22.47	0.68
4.483	0.91	10.483	2.61	16.483	1.02	22.48	0.68
4.500	0.91	10.500	2.61	16.500	1.02	22.50	0.68
4.517	0.91	10.517	3.51	16.517	1.02	22.52	0.68
4.533	0.91	10.533	3.51	16.533	1.02	22.53	0.68
4.550	0.91	10.550	3.51	16.550	1.02	22.55	0.68
4.567	0.91	10.567	3.51	16.567	1.02	22.57	0.68
4.583	0.91	10.583	3.51	16.583	1.02	22.58	0.68
4.600	0.91	10.600	3.51	16.600	1.02	22.60	0.68
4.617	0.91	10.617	3.51	16.617	1.02	22.62	0.68
4.633	0.91	10.633	3.51	16.633	1.02	22.63	0.68
4.650	0.91	10.650	3.51	16.650	1.02	22.65	0.68
4.667	0.91	10.667	3.51	16.667	1.02	22.67	0.68
4.683	0.91	10.683	3.51	16.683	1.02	22.68	0.68
4.700	0.91	10.700	3.51	16.700	1.02	22.70	0.68
4.717	0.91	10.717	3.51	16.717	1.02	22.72	0.68
4.733	0.91	10.733	3.51	16.733	1.02	22.73	0.68
4.750	0.91	10.750	3.51	16.750	1.02	22.75	0.68
4.767	0.91	10.767	3.51	16.767	1.02	22.77	0.68
4.783	0.91	10.783	3.51	16.783	1.02	22.78	0.68
4.800	0.91	10.800	3.51	16.800	1.02	22.80	0.68
4.817	0.91	10.817	3.51	16.817	1.02	22.82	0.68
4.833	0.91	10.833	3.51	16.833	1.02	22.83	0.68
4.850	0.91	10.850	3.51	16.850	1.02	22.85	0.68
4.867	0.91	10.867	3.51	16.867	1.02	22.87	0.68
4.883	0.91	10.883	3.51	16.883	1.02	22.88	0.68
4.900	0.91	10.900	3.51	16.900	1.02	22.90	0.68
4.917	0.91	10.917	3.51	16.917	1.02	22.92	0.68
4.933	0.91	10.933	3.51	16.933	1.02	22.93	0.68
4.950	0.91	10.950	3.51	16.950	1.02	22.95	0.68
4.967	0.91	10.967	3.51	16.967	1.02	22.97	0.68
4.983	0.91	10.983	3.51	16.983	1.02	22.98	0.68
5.000	0.91	11.000	3.51	17.000	1.02	23.00	0.68
5.017	0.91	11.017	5.44	17.017	1.02	23.02	0.68
5.033	0.91	11.033	5.44	17.033	1.02	23.03	0.68
5.050	0.91	11.050	5.44	17.050	1.02	23.05	0.68
5.067	0.91	11.067	5.44	17.067	1.02	23.07	0.68
5.083	0.91	11.083	5.44	17.083	1.02	23.08	0.68
5.100	0.91	11.100	5.44	17.100	1.02	23.10	0.68
5.117	0.91	11.117	5.44	17.117	1.02	23.12	0.68
5.133	0.91	11.133	5.44	17.133	1.02	23.13	0.68
5.150	0.91	11.150	5.44	17.150	1.02	23.15	0.68
5.167	0.91	11.167	5.44	17.167	1.02	23.17	0.68
5.183	0.91	11.183	5.44	17.183	1.02	23.18	0.68
5.200	0.91	11.200	5.44	17.200	1.02	23.20	0.68
5.217	0.91	11.217	5.44	17.217	1.02	23.22	0.68
5.233	0.91	11.233	5.44	17.233	1.02	23.23	0.68

5.250	0.91	11.250	5.44	17.250	1.02	23.25	0.68
5.267	0.91	11.267	5.44	17.267	1.02	23.27	0.68
5.283	0.91	11.283	5.44	17.283	1.02	23.28	0.68
5.300	0.91	11.300	5.44	17.300	1.02	23.30	0.68
5.317	0.91	11.317	5.44	17.317	1.02	23.32	0.68
5.333	0.91	11.333	5.44	17.333	1.02	23.33	0.68
5.350	0.91	11.350	5.44	17.350	1.02	23.35	0.68
5.367	0.91	11.367	5.44	17.367	1.02	23.37	0.68
5.383	0.91	11.383	5.44	17.383	1.02	23.38	0.68
5.400	0.91	11.400	5.44	17.400	1.02	23.40	0.68
5.417	0.91	11.417	5.44	17.417	1.02	23.42	0.68
5.433	0.91	11.433	5.44	17.433	1.02	23.43	0.68
5.450	0.91	11.450	5.44	17.450	1.02	23.45	0.68
5.467	0.91	11.467	5.44	17.467	1.02	23.47	0.68
5.483	0.91	11.483	5.44	17.483	1.02	23.48	0.68
5.500	0.91	11.500	5.44	17.500	1.02	23.50	0.68
5.517	0.91	11.517	16.77	17.517	1.02	23.52	0.68
5.533	0.91	11.533	16.77	17.533	1.02	23.53	0.68
5.550	0.91	11.550	16.77	17.550	1.02	23.55	0.68
5.567	0.91	11.567	16.77	17.567	1.02	23.57	0.68
5.583	0.91	11.583	16.77	17.583	1.02	23.58	0.68
5.600	0.91	11.600	16.77	17.600	1.02	23.60	0.68
5.617	0.91	11.617	16.77	17.617	1.02	23.62	0.68
5.633	0.91	11.633	16.77	17.633	1.02	23.63	0.68
5.650	0.91	11.650	16.77	17.650	1.02	23.65	0.68
5.667	0.91	11.667	16.77	17.667	1.02	23.67	0.68
5.683	0.91	11.683	16.77	17.683	1.02	23.68	0.68
5.700	0.91	11.700	16.77	17.700	1.02	23.70	0.68
5.717	0.91	11.717	16.77	17.717	1.02	23.72	0.68
5.733	0.91	11.733	16.77	17.733	1.02	23.73	0.68
5.750	0.91	11.750	16.77	17.750	1.02	23.75	0.68
5.767	0.91	11.767	69.35	17.767	1.02	23.77	0.68
5.783	0.91	11.783	69.35	17.783	1.02	23.78	0.68
5.800	0.91	11.800	69.35	17.800	1.02	23.80	0.68
5.817	0.91	11.817	69.35	17.817	1.02	23.82	0.68
5.833	0.91	11.833	69.35	17.833	1.02	23.83	0.68
5.850	0.91	11.850	69.35	17.850	1.02	23.85	0.68
5.867	0.91	11.867	69.35	17.867	1.02	23.87	0.68
5.883	0.91	11.883	69.35	17.883	1.02	23.88	0.68
5.900	0.91	11.900	69.35	17.900	1.02	23.90	0.68
5.917	0.91	11.917	69.35	17.917	1.02	23.92	0.68
5.933	0.91	11.933	69.35	17.933	1.02	23.93	0.68
5.950	0.91	11.950	69.35	17.950	1.02	23.95	0.68
5.967	0.91	11.967	69.35	17.967	1.02	23.97	0.68
5.983	0.91	11.983	69.35	17.983	1.02	23.98	0.68
6.000	0.91	12.000	69.35	18.000	1.02	24.00	0.68

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.101 (i)
TIME TO PEAK (hrs)= 13.500
RUNOFF VOLUME (mm)= 5.867
TOTAL RAINFALL (mm)= 56.661
RUNOFF COEFFICIENT = 0.104

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB STANDHYD (0001) ID= 1 DT= 1.0 min	Area (ha)= 1.18 Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.62	6.017	1.02	12.017	8.20	18.02	1.02
0.033	0.62	6.033	1.02	12.033	8.16	18.03	1.02
0.050	0.62	6.050	1.02	12.050	8.16	18.05	1.02
0.067	0.62	6.067	1.02	12.067	8.16	18.07	1.02
0.083	0.62	6.083	1.02	12.083	8.16	18.08	1.02
0.100	0.62	6.100	1.02	12.100	8.16	18.10	1.02
0.117	0.62	6.117	1.02	12.117	8.16	18.12	1.02
0.133	0.62	6.133	1.02	12.133	8.16	18.13	1.02

0.150	0.62	6.150	1.02	12.150	8.16	18.15	1.02
0.167	0.62	6.167	1.02	12.167	8.16	18.17	1.02
0.183	0.62	6.183	1.02	12.183	8.16	18.18	1.02
0.200	0.62	6.200	1.02	12.200	8.16	18.20	1.02
0.217	0.62	6.217	1.02	12.217	8.16	18.22	1.02
0.233	0.62	6.233	1.02	12.233	8.16	18.23	1.02
0.250	0.62	6.250	1.02	12.250	8.16	18.25	1.02
0.267	0.62	6.267	1.02	12.267	8.16	18.27	1.02
0.283	0.62	6.283	1.02	12.283	8.16	18.28	1.02
0.300	0.62	6.300	1.02	12.300	8.16	18.30	1.02
0.317	0.62	6.317	1.02	12.317	8.16	18.32	1.02
0.333	0.62	6.333	1.02	12.333	8.16	18.33	1.02
0.350	0.62	6.350	1.02	12.350	8.16	18.35	1.02
0.367	0.62	6.367	1.02	12.367	8.16	18.37	1.02
0.383	0.62	6.383	1.02	12.383	8.16	18.38	1.02
0.400	0.62	6.400	1.02	12.400	8.16	18.40	1.02
0.417	0.62	6.417	1.02	12.417	8.16	18.42	1.02
0.433	0.62	6.433	1.02	12.433	8.16	18.43	1.02
0.450	0.62	6.450	1.02	12.450	8.16	18.45	1.02
0.467	0.62	6.467	1.02	12.467	8.16	18.47	1.02
0.483	0.62	6.483	1.02	12.483	8.16	18.48	1.02
0.500	0.62	6.500	1.02	12.500	8.16	18.50	1.02
0.517	0.62	6.517	1.02	12.517	4.20	18.52	1.02
0.533	0.62	6.533	1.02	12.533	4.19	18.53	1.02
0.550	0.62	6.550	1.02	12.550	4.19	18.55	1.02
0.567	0.62	6.567	1.02	12.567	4.19	18.57	1.02
0.583	0.62	6.583	1.02	12.583	4.19	18.58	1.02
0.600	0.62	6.600	1.02	12.600	4.19	18.60	1.02
0.617	0.62	6.617	1.02	12.617	4.19	18.62	1.02
0.633	0.62	6.633	1.02	12.633	4.19	18.63	1.02
0.650	0.62	6.650	1.02	12.650	4.19	18.65	1.02
0.667	0.62	6.667	1.02	12.667	4.19	18.67	1.02
0.683	0.62	6.683	1.02	12.683	4.19	18.68	1.02
0.700	0.62	6.700	1.02	12.700	4.19	18.70	1.02
0.717	0.62	6.717	1.02	12.717	4.19	18.72	1.02
0.733	0.62	6.733	1.02	12.733	4.19	18.73	1.02
0.750	0.62	6.750	1.02	12.750	4.19	18.75	1.02
0.767	0.62	6.767	1.02	12.767	4.19	18.77	1.02
0.783	0.62	6.783	1.02	12.783	4.19	18.78	1.02
0.800	0.62	6.800	1.02	12.800	4.19	18.80	1.02
0.817	0.62	6.817	1.02	12.817	4.19	18.82	1.02
0.833	0.62	6.833	1.02	12.833	4.19	18.83	1.02
0.850	0.62	6.850	1.02	12.850	4.19	18.85	1.02
0.867	0.62	6.867	1.02	12.867	4.19	18.87	1.02
0.883	0.62	6.883	1.02	12.883	4.19	18.88	1.02
0.900	0.62	6.900	1.02	12.900	4.19	18.90	1.02
0.917	0.62	6.917	1.02	12.917	4.19	18.92	1.02
0.933	0.62	6.933	1.02	12.933	4.19	18.93	1.02
0.950	0.62	6.950	1.02	12.950	4.19	18.95	1.02
0.967	0.62	6.967	1.02	12.967	4.19	18.97	1.02
0.983	0.62	6.983	1.02	12.983	4.19	18.98	1.02
1.000	0.62	7.000	1.02	13.000	4.19	19.00	1.02
1.017	0.62	7.017	1.25	13.017	3.06	19.02	1.02
1.033	0.62	7.033	1.25	13.033	3.06	19.03	1.02
1.050	0.62	7.050	1.25	13.050	3.06	19.05	1.02
1.067	0.62	7.067	1.25	13.067	3.06	19.07	1.02
1.083	0.62	7.083	1.25	13.083	3.06	19.08	1.02
1.100	0.62	7.100	1.25	13.100	3.06	19.10	1.02
1.117	0.62	7.117	1.25	13.117	3.06	19.12	1.02
1.133	0.62	7.133	1.25	13.133	3.06	19.13	1.02
1.150	0.62	7.150	1.25	13.150	3.06	19.15	1.02
1.167	0.62	7.167	1.25	13.167	3.06	19.17	1.02
1.183	0.62	7.183	1.25	13.183	3.06	19.18	1.02
1.200	0.62	7.200	1.25	13.200	3.06	19.20	1.02
1.217	0.62	7.217	1.25	13.217	3.06	19.22	1.02
1.233	0.62	7.233	1.25	13.233	3.06	19.23	1.02
1.250	0.62	7.250	1.25	13.250	3.06	19.25	1.02
1.267	0.62	7.267	1.25	13.267	3.06	19.27	1.02
1.283	0.62	7.283	1.25	13.283	3.06	19.28	1.02
1.300	0.62	7.300	1.25	13.300	3.06	19.30	1.02
1.317	0.62	7.317	1.25	13.317	3.06	19.32	1.02
1.333	0.62	7.333	1.25	13.333	3.06	19.33	1.02
1.350	0.62	7.350	1.25	13.350	3.06	19.35	1.02
1.367	0.62	7.367	1.25	13.367	3.06	19.37	1.02
1.383	0.62	7.383	1.25	13.383	3.06	19.38	1.02
1.400	0.62	7.400	1.25	13.400	3.06	19.40	1.02
1.417	0.62	7.417	1.25	13.417	3.06	19.42	1.02
1.433	0.62	7.433	1.25	13.433	3.06	19.43	1.02
1.450	0.62	7.450	1.25	13.450	3.06	19.45	1.02
1.467	0.62	7.467	1.25	13.467	3.06	19.47	1.02
1.483	0.62	7.483	1.25	13.483	3.06	19.48	1.02
1.500	0.62	7.500	1.25	13.500	3.06	19.50	1.02
1.517	0.62	7.517	1.25	13.517	2.38	19.52	1.02
1.533	0.62	7.533	1.25	13.533	2.38	19.53	1.02

1.550	0.62	7.550	1.25	13.550	2.38	19.55	1.02
1.567	0.62	7.567	1.25	13.567	2.38	19.57	1.02
1.583	0.62	7.583	1.25	13.583	2.38	19.58	1.02
1.600	0.62	7.600	1.25	13.600	2.38	19.60	1.02
1.617	0.62	7.617	1.25	13.617	2.38	19.62	1.02
1.633	0.62	7.633	1.25	13.633	2.38	19.63	1.02
1.650	0.62	7.650	1.25	13.650	2.38	19.65	1.02
1.667	0.62	7.667	1.25	13.667	2.38	19.67	1.02
1.683	0.62	7.683	1.25	13.683	2.38	19.68	1.02
1.700	0.62	7.700	1.25	13.700	2.38	19.70	1.02
1.717	0.62	7.717	1.25	13.717	2.38	19.72	1.02
1.733	0.62	7.733	1.25	13.733	2.38	19.73	1.02
1.750	0.62	7.750	1.25	13.750	2.38	19.75	1.02
1.767	0.62	7.767	1.25	13.767	2.38	19.77	1.02
1.783	0.62	7.783	1.25	13.783	2.38	19.78	1.02
1.800	0.62	7.800	1.25	13.800	2.38	19.80	1.02
1.817	0.62	7.817	1.25	13.817	2.38	19.82	1.02
1.833	0.62	7.833	1.25	13.833	2.38	19.83	1.02
1.850	0.62	7.850	1.25	13.850	2.38	19.85	1.02
1.867	0.62	7.867	1.25	13.867	2.38	19.87	1.02
1.883	0.62	7.883	1.25	13.883	2.38	19.88	1.02
1.900	0.62	7.900	1.25	13.900	2.38	19.90	1.02
1.917	0.62	7.917	1.25	13.917	2.38	19.92	1.02
1.933	0.62	7.933	1.25	13.933	2.38	19.93	1.02
1.950	0.62	7.950	1.25	13.950	2.38	19.95	1.02
1.967	0.62	7.967	1.25	13.967	2.38	19.97	1.02
1.983	0.62	7.983	1.25	13.983	2.38	19.98	1.02
2.000	0.62	8.000	1.25	14.000	2.38	20.00	1.02
2.017	0.74	8.017	1.47	14.017	1.70	20.02	0.68
2.033	0.74	8.033	1.47	14.033	1.70	20.03	0.68
2.050	0.74	8.050	1.47	14.050	1.70	20.05	0.68
2.067	0.74	8.067	1.47	14.067	1.70	20.07	0.68
2.083	0.74	8.083	1.47	14.083	1.70	20.08	0.68
2.100	0.74	8.100	1.47	14.100	1.70	20.10	0.68
2.117	0.74	8.117	1.47	14.117	1.70	20.12	0.68
2.133	0.74	8.133	1.47	14.133	1.70	20.13	0.68
2.150	0.74	8.150	1.47	14.150	1.70	20.15	0.68
2.167	0.74	8.167	1.47	14.167	1.70	20.17	0.68
2.183	0.74	8.183	1.47	14.183	1.70	20.18	0.68
2.200	0.74	8.200	1.47	14.200	1.70	20.20	0.68
2.217	0.74	8.217	1.47	14.217	1.70	20.22	0.68
2.233	0.74	8.233	1.47	14.233	1.70	20.23	0.68
2.250	0.74	8.250	1.47	14.250	1.70	20.25	0.68
2.267	0.74	8.267	1.47	14.267	1.70	20.27	0.68
2.283	0.74	8.283	1.47	14.283	1.70	20.28	0.68
2.300	0.74	8.300	1.47	14.300	1.70	20.30	0.68
2.317	0.74	8.317	1.47	14.317	1.70	20.32	0.68
2.333	0.74	8.333	1.47	14.333	1.70	20.33	0.68
2.350	0.74	8.350	1.47	14.350	1.70	20.35	0.68
2.367	0.74	8.367	1.47	14.367	1.70	20.37	0.68
2.383	0.74	8.383	1.47	14.383	1.70	20.38	0.68
2.400	0.74	8.400	1.47	14.400	1.70	20.40	0.68
2.417	0.74	8.417	1.47	14.417	1.70	20.42	0.68
2.433	0.74	8.433	1.47	14.433	1.70	20.43	0.68
2.450	0.74	8.450	1.47	14.450	1.70	20.45	0.68
2.467	0.74	8.467	1.47	14.467	1.70	20.47	0.68
2.483	0.74	8.483	1.47	14.483	1.70	20.48	0.68
2.500	0.74	8.500	1.47	14.500	1.70	20.50	0.68
2.517	0.74	8.517	1.59	14.517	1.70	20.52	0.68
2.533	0.74	8.533	1.59	14.533	1.70	20.53	0.68
2.550	0.74	8.550	1.59	14.550	1.70	20.55	0.68
2.567	0.74	8.567	1.59	14.567	1.70	20.57	0.68
2.583	0.74	8.583	1.59	14.583	1.70	20.58	0.68
2.600	0.74	8.600	1.59	14.600	1.70	20.60	0.68
2.617	0.74	8.617	1.59	14.617	1.70	20.62	0.68
2.633	0.74	8.633	1.59	14.633	1.70	20.63	0.68
2.650	0.74	8.650	1.59	14.650	1.70	20.65	0.68
2.667	0.74	8.667	1.59	14.667	1.70	20.67	0.68
2.683	0.74	8.683	1.59	14.683	1.70	20.68	0.68
2.700	0.74	8.700	1.59	14.700	1.70	20.70	0.68
2.717	0.74	8.717	1.59	14.717	1.70	20.72	0.68
2.733	0.74	8.733	1.59	14.733	1.70	20.73	0.68
2.750	0.74	8.750	1.59	14.750	1.70	20.75	0.68
2.767	0.74	8.767	1.59	14.767	1.70	20.77	0.68
2.783	0.74	8.783	1.59	14.783	1.70	20.78	0.68
2.800	0.74	8.800	1.59	14.800	1.70	20.80	0.68
2.817	0.74	8.817	1.59	14.817	1.70	20.82	0.68
2.833	0.74	8.833	1.59	14.833	1.70	20.83	0.68
2.850	0.74	8.850	1.59	14.850	1.70	20.85	0.68
2.867	0.74	8.867	1.59	14.867	1.70	20.87	0.68
2.883	0.74	8.883	1.59	14.883	1.70	20.88	0.68
2.900	0.74	8.900	1.59	14.900	1.70	20.90	0.68
2.917	0.74	8.917	1.59	14.917	1.70	20.92	0.68
2.933	0.74	8.933	1.59	14.933	1.70	20.93	0.68

2.950	0.74	8.950	1.59	14.950	1.70	20.95	0.68
2.967	0.74	8.967	1.59	14.967	1.70	20.97	0.68
2.983	0.74	8.983	1.59	14.983	1.70	20.98	0.68
3.000	0.74	9.000	1.59	15.000	1.70	21.00	0.68
3.017	0.74	9.017	1.81	15.017	1.70	21.02	0.68
3.033	0.74	9.033	1.81	15.033	1.70	21.03	0.68
3.050	0.74	9.050	1.81	15.050	1.70	21.05	0.68
3.067	0.74	9.067	1.81	15.067	1.70	21.07	0.68
3.083	0.74	9.083	1.81	15.083	1.70	21.08	0.68
3.100	0.74	9.100	1.81	15.100	1.70	21.10	0.68
3.117	0.74	9.117	1.81	15.117	1.70	21.12	0.68
3.133	0.74	9.133	1.81	15.133	1.70	21.13	0.68
3.150	0.74	9.150	1.81	15.150	1.70	21.15	0.68
3.167	0.74	9.167	1.81	15.167	1.70	21.17	0.68
3.183	0.74	9.183	1.81	15.183	1.70	21.18	0.68
3.200	0.74	9.200	1.81	15.200	1.70	21.20	0.68
3.217	0.74	9.217	1.81	15.217	1.70	21.22	0.68
3.233	0.74	9.233	1.81	15.233	1.70	21.23	0.68
3.250	0.74	9.250	1.81	15.250	1.70	21.25	0.68
3.267	0.74	9.267	1.81	15.267	1.70	21.27	0.68
3.283	0.74	9.283	1.81	15.283	1.70	21.28	0.68
3.300	0.74	9.300	1.81	15.300	1.70	21.30	0.68
3.317	0.74	9.317	1.81	15.317	1.70	21.32	0.68
3.333	0.74	9.333	1.81	15.333	1.70	21.33	0.68
3.350	0.74	9.350	1.81	15.350	1.70	21.35	0.68
3.367	0.74	9.367	1.81	15.367	1.70	21.37	0.68
3.383	0.74	9.383	1.81	15.383	1.70	21.38	0.68
3.400	0.74	9.400	1.81	15.400	1.70	21.40	0.68
3.417	0.74	9.417	1.81	15.417	1.70	21.42	0.68
3.433	0.74	9.433	1.81	15.433	1.70	21.43	0.68
3.450	0.74	9.450	1.81	15.450	1.70	21.45	0.68
3.467	0.74	9.467	1.81	15.467	1.70	21.47	0.68
3.483	0.74	9.483	1.81	15.483	1.70	21.48	0.68
3.500	0.74	9.500	1.81	15.500	1.70	21.50	0.68
3.517	0.74	9.517	2.04	15.517	1.70	21.52	0.68
3.533	0.74	9.533	2.04	15.533	1.70	21.53	0.68
3.550	0.74	9.550	2.04	15.550	1.70	21.55	0.68
3.567	0.74	9.567	2.04	15.567	1.70	21.57	0.68
3.583	0.74	9.583	2.04	15.583	1.70	21.58	0.68
3.600	0.74	9.600	2.04	15.600	1.70	21.60	0.68
3.617	0.74	9.617	2.04	15.617	1.70	21.62	0.68
3.633	0.74	9.633	2.04	15.633	1.70	21.63	0.68
3.650	0.74	9.650	2.04	15.650	1.70	21.65	0.68
3.667	0.74	9.667	2.04	15.667	1.70	21.67	0.68
3.683	0.74	9.683	2.04	15.683	1.70	21.68	0.68
3.700	0.74	9.700	2.04	15.700	1.70	21.70	0.68
3.717	0.74	9.717	2.04	15.717	1.70	21.72	0.68
3.733	0.74	9.733	2.04	15.733	1.70	21.73	0.68
3.750	0.74	9.750	2.04	15.750	1.70	21.75	0.68
3.767	0.74	9.767	2.04	15.767	1.70	21.77	0.68
3.783	0.74	9.783	2.04	15.783	1.70	21.78	0.68
3.800	0.74	9.800	2.04	15.800	1.70	21.80	0.68
3.817	0.74	9.817	2.04	15.817	1.70	21.82	0.68
3.833	0.74	9.833	2.04	15.833	1.70	21.83	0.68
3.850	0.74	9.850	2.04	15.850	1.70	21.85	0.68
3.867	0.74	9.867	2.04	15.867	1.70	21.87	0.68
3.883	0.74	9.883	2.04	15.883	1.70	21.88	0.68
3.900	0.74	9.900	2.04	15.900	1.70	21.90	0.68
3.917	0.74	9.917	2.04	15.917	1.70	21.92	0.68
3.933	0.74	9.933	2.04	15.933	1.70	21.93	0.68
3.950	0.74	9.950	2.04	15.950	1.70	21.95	0.68
3.967	0.74	9.967	2.04	15.967	1.70	21.97	0.68
3.983	0.74	9.983	2.04	15.983	1.70	21.98	0.68
4.000	0.74	10.000	2.04	16.000	1.70	22.00	0.68
4.017	0.91	10.017	2.61	16.017	1.02	22.02	0.68
4.033	0.91	10.033	2.61	16.033	1.02	22.03	0.68
4.050	0.91	10.050	2.61	16.050	1.02	22.05	0.68
4.067	0.91	10.067	2.61	16.067	1.02	22.07	0.68
4.083	0.91	10.083	2.61	16.083	1.02	22.08	0.68
4.100	0.91	10.100	2.61	16.100	1.02	22.10	0.68
4.117	0.91	10.117	2.61	16.117	1.02	22.12	0.68
4.133	0.91	10.133	2.61	16.133	1.02	22.13	0.68
4.150	0.91	10.150	2.61	16.150	1.02	22.15	0.68
4.167	0.91	10.167	2.61	16.167	1.02	22.17	0.68
4.183	0.91	10.183	2.61	16.183	1.02	22.18	0.68
4.200	0.91	10.200	2.61	16.200	1.02	22.20	0.68
4.217	0.91	10.217	2.61	16.217	1.02	22.22	0.68
4.233	0.91	10.233	2.61	16.233	1.02	22.23	0.68
4.250	0.91	10.250	2.61	16.250	1.02	22.25	0.68
4.267	0.91	10.267	2.61	16.267	1.02	22.27	0.68
4.283	0.91	10.283	2.61	16.283	1.02	22.28	0.68
4.300	0.91	10.300	2.61	16.300	1.02	22.30	0.68
4.317	0.91	10.317	2.61	16.317	1.02	22.32	0.68
4.333	0.91	10.333	2.61	16.333	1.02	22.33	0.68

4.350	0.91	10.350	2.61	16.350	1.02	22.35	0.68
4.367	0.91	10.367	2.61	16.367	1.02	22.37	0.68
4.383	0.91	10.383	2.61	16.383	1.02	22.38	0.68
4.400	0.91	10.400	2.61	16.400	1.02	22.40	0.68
4.417	0.91	10.417	2.61	16.417	1.02	22.42	0.68
4.433	0.91	10.433	2.61	16.433	1.02	22.43	0.68
4.450	0.91	10.450	2.61	16.450	1.02	22.45	0.68
4.467	0.91	10.467	2.61	16.467	1.02	22.47	0.68
4.483	0.91	10.483	2.61	16.483	1.02	22.48	0.68
4.500	0.91	10.500	2.61	16.500	1.02	22.50	0.68
4.517	0.91	10.517	3.51	16.517	1.02	22.52	0.68
4.533	0.91	10.533	3.51	16.533	1.02	22.53	0.68
4.550	0.91	10.550	3.51	16.550	1.02	22.55	0.68
4.567	0.91	10.567	3.51	16.567	1.02	22.57	0.68
4.583	0.91	10.583	3.51	16.583	1.02	22.58	0.68
4.600	0.91	10.600	3.51	16.600	1.02	22.60	0.68
4.617	0.91	10.617	3.51	16.617	1.02	22.62	0.68
4.633	0.91	10.633	3.51	16.633	1.02	22.63	0.68
4.650	0.91	10.650	3.51	16.650	1.02	22.65	0.68
4.667	0.91	10.667	3.51	16.667	1.02	22.67	0.68
4.683	0.91	10.683	3.51	16.683	1.02	22.68	0.68
4.700	0.91	10.700	3.51	16.700	1.02	22.70	0.68
4.717	0.91	10.717	3.51	16.717	1.02	22.72	0.68
4.733	0.91	10.733	3.51	16.733	1.02	22.73	0.68
4.750	0.91	10.750	3.51	16.750	1.02	22.75	0.68
4.767	0.91	10.767	3.51	16.767	1.02	22.77	0.68
4.783	0.91	10.783	3.51	16.783	1.02	22.78	0.68
4.800	0.91	10.800	3.51	16.800	1.02	22.80	0.68
4.817	0.91	10.817	3.51	16.817	1.02	22.82	0.68
4.833	0.91	10.833	3.51	16.833	1.02	22.83	0.68
4.850	0.91	10.850	3.51	16.850	1.02	22.85	0.68
4.867	0.91	10.867	3.51	16.867	1.02	22.87	0.68
4.883	0.91	10.883	3.51	16.883	1.02	22.88	0.68
4.900	0.91	10.900	3.51	16.900	1.02	22.90	0.68
4.917	0.91	10.917	3.51	16.917	1.02	22.92	0.68
4.933	0.91	10.933	3.51	16.933	1.02	22.93	0.68
4.950	0.91	10.950	3.51	16.950	1.02	22.95	0.68
4.967	0.91	10.967	3.51	16.967	1.02	22.97	0.68
4.983	0.91	10.983	3.51	16.983	1.02	22.98	0.68
5.000	0.91	11.000	3.51	17.000	1.02	23.00	0.68
5.017	0.91	11.017	5.44	17.017	1.02	23.02	0.68
5.033	0.91	11.033	5.44	17.033	1.02	23.03	0.68
5.050	0.91	11.050	5.44	17.050	1.02	23.05	0.68
5.067	0.91	11.067	5.44	17.067	1.02	23.07	0.68
5.083	0.91	11.083	5.44	17.083	1.02	23.08	0.68
5.100	0.91	11.100	5.44	17.100	1.02	23.10	0.68
5.117	0.91	11.117	5.44	17.117	1.02	23.12	0.68
5.133	0.91	11.133	5.44	17.133	1.02	23.13	0.68
5.150	0.91	11.150	5.44	17.150	1.02	23.15	0.68
5.167	0.91	11.167	5.44	17.167	1.02	23.17	0.68
5.183	0.91	11.183	5.44	17.183	1.02	23.18	0.68
5.200	0.91	11.200	5.44	17.200	1.02	23.20	0.68
5.217	0.91	11.217	5.44	17.217	1.02	23.22	0.68
5.233	0.91	11.233	5.44	17.233	1.02	23.23	0.68
5.250	0.91	11.250	5.44	17.250	1.02	23.25	0.68
5.267	0.91	11.267	5.44	17.267	1.02	23.27	0.68
5.283	0.91	11.283	5.44	17.283	1.02	23.28	0.68
5.300	0.91	11.300	5.44	17.300	1.02	23.30	0.68
5.317	0.91	11.317	5.44	17.317	1.02	23.32	0.68
5.333	0.91	11.333	5.44	17.333	1.02	23.33	0.68
5.350	0.91	11.350	5.44	17.350	1.02	23.35	0.68
5.367	0.91	11.367	5.44	17.367	1.02	23.37	0.68
5.383	0.91	11.383	5.44	17.383	1.02	23.38	0.68
5.400	0.91	11.400	5.44	17.400	1.02	23.40	0.68
5.417	0.91	11.417	5.44	17.417	1.02	23.42	0.68
5.433	0.91	11.433	5.44	17.433	1.02	23.43	0.68
5.450	0.91	11.450	5.44	17.450	1.02	23.45	0.68
5.467	0.91	11.467	5.44	17.467	1.02	23.47	0.68
5.483	0.91	11.483	5.44	17.483	1.02	23.48	0.68
5.500	0.91	11.500	5.44	17.500	1.02	23.50	0.68
5.517	0.91	11.517	16.77	17.517	1.02	23.52	0.68
5.533	0.91	11.533	16.77	17.533	1.02	23.53	0.68
5.550	0.91	11.550	16.77	17.550	1.02	23.55	0.68
5.567	0.91	11.567	16.77	17.567	1.02	23.57	0.68
5.583	0.91	11.583	16.77	17.583	1.02	23.58	0.68
5.600	0.91	11.600	16.77	17.600	1.02	23.60	0.68
5.617	0.91	11.617	16.77	17.617	1.02	23.62	0.68
5.633	0.91	11.633	16.77	17.633	1.02	23.63	0.68
5.650	0.91	11.650	16.77	17.650	1.02	23.65	0.68
5.667	0.91	11.667	16.77	17.667	1.02	23.67	0.68
5.683	0.91	11.683	16.77	17.683	1.02	23.68	0.68
5.700	0.91	11.700	16.77	17.700	1.02	23.70	0.68
5.717	0.91	11.717	16.77	17.717	1.02	23.72	0.68
5.733	0.91	11.733	16.77	17.733	1.02	23.73	0.68

5.750	0.91	11.750	16.77	17.750	1.02	23.75	0.68
5.767	0.91	11.767	69.33	17.767	1.02	23.77	0.68
5.783	0.91	11.783	69.35	17.783	1.02	23.78	0.68
5.800	0.91	11.800	69.35	17.800	1.02	23.80	0.68
5.817	0.91	11.817	69.35	17.817	1.02	23.82	0.68
5.833	0.91	11.833	69.35	17.833	1.02	23.83	0.68
5.850	0.91	11.850	69.35	17.850	1.02	23.85	0.68
5.867	0.91	11.867	69.35	17.867	1.02	23.87	0.68
5.883	0.91	11.883	69.35	17.883	1.02	23.88	0.68
5.900	0.91	11.900	69.35	17.900	1.02	23.90	0.68
5.917	0.91	11.917	69.35	17.917	1.02	23.92	0.68
5.933	0.91	11.933	69.35	17.933	1.02	23.93	0.68
5.950	0.91	11.950	69.35	17.950	1.02	23.95	0.68
5.967	0.91	11.967	69.35	17.967	1.02	23.97	0.68
5.983	0.91	11.983	69.35	17.983	1.02	23.98	0.68
6.000	0.91	12.000	69.35	18.000	1.02	24.00	0.68

Max.Eff.Inten.(mm/hr)= 69.35 11.75
over (min) 5.00 20.00
Storage Coeff. (min)= 2.75 (ii) 19.38 (ii)
Unit Hyd. Tpeak (min)= 5.00 20.00
Unit Hyd. peak (cms)= 0.32 0.06

PEAK FLOW (cms)= 0.05 0.02 *TOTALS*
TIME TO PEAK (hrs)= 12.00 12.23 0.058 (iii)
RUNOFF VOLUME (mm)= 54.66 9.95 19.78
TOTAL RAINFALL (mm)= 56.66 56.66 56.66
RUNOFF COEFFICIENT = 0.96 0.18 0.35

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0001):	1.18	0.058	12.00	19.78
+ ID2= 2 (0003):	19.20	0.101	13.50	5.87
=====				
ID = 3 (0005):	20.39	0.106	13.47	9.49

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:4.2 SCS II 24hr 5yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData ata\Local\Temp\ 6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\396bca77
Ptotal= 73.69 mm	Comments: SCS 24 HOUR TYPE II STORM DISTRIBUTION 1

Duration of storm = 24.00 hrs
Mass curve time step = 15.00 min

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.81	6.00	1.33	12.00	10.61	18.00	1.33
0.25	0.81	6.25	1.33	12.25	10.61	18.25	1.33
0.50	0.81	6.50	1.33	12.50	5.45	18.50	1.33
0.75	0.81	6.75	1.33	12.75	5.45	18.75	1.33
1.00	0.81	7.00	1.62	13.00	3.98	19.00	1.33
1.25	0.81	7.25	1.62	13.25	3.98	19.25	1.33
1.50	0.81	7.50	1.62	13.50	3.09	19.50	1.33
1.75	0.81	7.75	1.62	13.75	3.09	19.75	1.33
2.00	0.96	8.00	1.92	14.00	2.21	20.00	0.88
2.25	0.96	8.25	1.92	14.25	2.21	20.25	0.88
2.50	0.96	8.50	2.06	14.50	2.21	20.50	0.88
2.75	0.96	8.75	2.06	14.75	2.21	20.75	0.88
3.00	0.96	9.00	2.36	15.00	2.21	21.00	0.88
3.25	0.96	9.25	2.36	15.25	2.21	21.25	0.88
3.50	0.96	9.50	2.65	15.50	2.21	21.50	0.88
3.75	0.96	9.75	2.65	15.75	2.21	21.75	0.88
4.00	1.18	10.00	3.39	16.00	1.33	22.00	0.88
4.25	1.18	10.25	3.39	16.25	1.33	22.25	0.88
4.50	1.18	10.50	4.57	16.50	1.33	22.50	0.88
4.75	1.18	10.75	4.57	16.75	1.33	22.75	0.88
5.00	1.18	11.00	7.07	17.00	1.33	23.00	0.88

5.25	1.18	11.25	7.07	17.25	1.33	23.25	0.88
5.50	1.18	11.50	21.81	17.50	1.33	23.50	0.88
5.75	1.18	11.75	90.20	17.75	1.33	23.75	0.88

CALIB							
NASHYD (0003)		Area (ha)=	19.20	Curve Number (CN)=	55.0		
ID= 1 DT= 1.0 min		Ia (mm)=	9.10	# of Linear Res.(N)=	3.00		
		U.H. Tp(hrs)=	1.32				

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.81	6.017	1.33	12.017	10.67	18.02	1.33
0.033	0.81	6.033	1.33	12.033	10.61	18.03	1.33
0.050	0.81	6.050	1.33	12.050	10.61	18.05	1.33
0.067	0.81	6.067	1.33	12.067	10.61	18.07	1.33
0.083	0.81	6.083	1.33	12.083	10.61	18.08	1.33
0.100	0.81	6.100	1.33	12.100	10.61	18.10	1.33
0.117	0.81	6.117	1.33	12.117	10.61	18.12	1.33
0.133	0.81	6.133	1.33	12.133	10.61	18.13	1.33
0.150	0.81	6.150	1.33	12.150	10.61	18.15	1.33
0.167	0.81	6.167	1.33	12.167	10.61	18.17	1.33
0.183	0.81	6.183	1.33	12.183	10.61	18.18	1.33
0.200	0.81	6.200	1.33	12.200	10.61	18.20	1.33
0.217	0.81	6.217	1.33	12.217	10.61	18.22	1.33
0.233	0.81	6.233	1.33	12.233	10.61	18.23	1.33
0.250	0.81	6.250	1.33	12.250	10.61	18.25	1.33
0.267	0.81	6.267	1.33	12.267	10.61	18.27	1.33
0.283	0.81	6.283	1.33	12.283	10.61	18.28	1.33
0.300	0.81	6.300	1.33	12.300	10.61	18.30	1.33
0.317	0.81	6.317	1.33	12.317	10.61	18.32	1.33
0.333	0.81	6.333	1.33	12.333	10.61	18.33	1.33
0.350	0.81	6.350	1.33	12.350	10.61	18.35	1.33
0.367	0.81	6.367	1.33	12.367	10.61	18.37	1.33
0.383	0.81	6.383	1.33	12.383	10.61	18.38	1.33
0.400	0.81	6.400	1.33	12.400	10.61	18.40	1.33
0.417	0.81	6.417	1.33	12.417	10.61	18.42	1.33
0.433	0.81	6.433	1.33	12.433	10.61	18.43	1.33
0.450	0.81	6.450	1.33	12.450	10.61	18.45	1.33
0.467	0.81	6.467	1.33	12.467	10.61	18.47	1.33
0.483	0.81	6.483	1.33	12.483	10.61	18.48	1.33
0.500	0.81	6.500	1.33	12.500	10.61	18.50	1.33
0.517	0.81	6.517	1.33	12.517	5.46	18.52	1.33
0.533	0.81	6.533	1.33	12.533	5.45	18.53	1.33
0.550	0.81	6.550	1.33	12.550	5.45	18.55	1.33
0.567	0.81	6.567	1.33	12.567	5.45	18.57	1.33
0.583	0.81	6.583	1.33	12.583	5.45	18.58	1.33
0.600	0.81	6.600	1.33	12.600	5.45	18.60	1.33
0.617	0.81	6.617	1.33	12.617	5.45	18.62	1.33
0.633	0.81	6.633	1.33	12.633	5.45	18.63	1.33
0.650	0.81	6.650	1.33	12.650	5.45	18.65	1.33
0.667	0.81	6.667	1.33	12.667	5.45	18.67	1.33
0.683	0.81	6.683	1.33	12.683	5.45	18.68	1.33
0.700	0.81	6.700	1.33	12.700	5.45	18.70	1.33
0.717	0.81	6.717	1.33	12.717	5.45	18.72	1.33
0.733	0.81	6.733	1.33	12.733	5.45	18.73	1.33
0.750	0.81	6.750	1.33	12.750	5.45	18.75	1.33
0.767	0.81	6.767	1.33	12.767	5.45	18.77	1.33
0.783	0.81	6.783	1.33	12.783	5.45	18.78	1.33
0.800	0.81	6.800	1.33	12.800	5.45	18.80	1.33
0.817	0.81	6.817	1.33	12.817	5.45	18.82	1.33
0.833	0.81	6.833	1.33	12.833	5.45	18.83	1.33
0.850	0.81	6.850	1.33	12.850	5.45	18.85	1.33
0.867	0.81	6.867	1.33	12.867	5.45	18.87	1.33
0.883	0.81	6.883	1.33	12.883	5.45	18.88	1.33
0.900	0.81	6.900	1.33	12.900	5.45	18.90	1.33
0.917	0.81	6.917	1.33	12.917	5.45	18.92	1.33
0.933	0.81	6.933	1.33	12.933	5.45	18.93	1.33
0.950	0.81	6.950	1.33	12.950	5.45	18.95	1.33
0.967	0.81	6.967	1.33	12.967	5.45	18.97	1.33
0.983	0.81	6.983	1.33	12.983	5.45	18.98	1.33
1.000	0.81	7.000	1.33	13.000	5.45	19.00	1.33
1.017	0.81	7.017	1.62	13.017	3.98	19.02	1.33
1.033	0.81	7.033	1.62	13.033	3.98	19.03	1.33
1.050	0.81	7.050	1.62	13.050	3.98	19.05	1.33
1.067	0.81	7.067	1.62	13.067	3.98	19.07	1.33
1.083	0.81	7.083	1.62	13.083	3.98	19.08	1.33
1.100	0.81	7.100	1.62	13.100	3.98	19.10	1.33
1.117	0.81	7.117	1.62	13.117	3.98	19.12	1.33

1.133	0.81	7.133	1.62	13.133	3.98	19.13	1.33
1.150	0.81	7.150	1.62	13.150	3.98	19.15	1.33
1.167	0.81	7.167	1.62	13.167	3.98	19.17	1.33
1.183	0.81	7.183	1.62	13.183	3.98	19.18	1.33
1.200	0.81	7.200	1.62	13.200	3.98	19.20	1.33
1.217	0.81	7.217	1.62	13.217	3.98	19.22	1.33
1.233	0.81	7.233	1.62	13.233	3.98	19.23	1.33
1.250	0.81	7.250	1.62	13.250	3.98	19.25	1.33
1.267	0.81	7.267	1.62	13.267	3.98	19.27	1.33
1.283	0.81	7.283	1.62	13.283	3.98	19.28	1.33
1.300	0.81	7.300	1.62	13.300	3.98	19.30	1.33
1.317	0.81	7.317	1.62	13.317	3.98	19.32	1.33
1.333	0.81	7.333	1.62	13.333	3.98	19.33	1.33
1.350	0.81	7.350	1.62	13.350	3.98	19.35	1.33
1.367	0.81	7.367	1.62	13.367	3.98	19.37	1.33
1.383	0.81	7.383	1.62	13.383	3.98	19.38	1.33
1.400	0.81	7.400	1.62	13.400	3.98	19.40	1.33
1.417	0.81	7.417	1.62	13.417	3.98	19.42	1.33
1.433	0.81	7.433	1.62	13.433	3.98	19.43	1.33
1.450	0.81	7.450	1.62	13.450	3.98	19.45	1.33
1.467	0.81	7.467	1.62	13.467	3.98	19.47	1.33
1.483	0.81	7.483	1.62	13.483	3.98	19.48	1.33
1.500	0.81	7.500	1.62	13.500	3.98	19.50	1.33
1.517	0.81	7.517	1.62	13.517	3.10	19.52	1.33
1.533	0.81	7.533	1.62	13.533	3.09	19.53	1.33
1.550	0.81	7.550	1.62	13.550	3.09	19.55	1.33
1.567	0.81	7.567	1.62	13.567	3.09	19.57	1.33
1.583	0.81	7.583	1.62	13.583	3.09	19.58	1.33
1.600	0.81	7.600	1.62	13.600	3.09	19.60	1.33
1.617	0.81	7.617	1.62	13.617	3.09	19.62	1.33
1.633	0.81	7.633	1.62	13.633	3.09	19.63	1.33
1.650	0.81	7.650	1.62	13.650	3.09	19.65	1.33
1.667	0.81	7.667	1.62	13.667	3.09	19.67	1.33
1.683	0.81	7.683	1.62	13.683	3.09	19.68	1.33
1.700	0.81	7.700	1.62	13.700	3.09	19.70	1.33
1.717	0.81	7.717	1.62	13.717	3.09	19.72	1.33
1.733	0.81	7.733	1.62	13.733	3.09	19.73	1.33
1.750	0.81	7.750	1.62	13.750	3.09	19.75	1.33
1.767	0.81	7.767	1.62	13.767	3.09	19.77	1.33
1.783	0.81	7.783	1.62	13.783	3.09	19.78	1.33
1.800	0.81	7.800	1.62	13.800	3.09	19.80	1.33
1.817	0.81	7.817	1.62	13.817	3.09	19.82	1.33
1.833	0.81	7.833	1.62	13.833	3.09	19.83	1.33
1.850	0.81	7.850	1.62	13.850	3.09	19.85	1.33
1.867	0.81	7.867	1.62	13.867	3.09	19.87	1.33
1.883	0.81	7.883	1.62	13.883	3.09	19.88	1.33
1.900	0.81	7.900	1.62	13.900	3.09	19.90	1.33
1.917	0.81	7.917	1.62	13.917	3.09	19.92	1.33
1.933	0.81	7.933	1.62	13.933	3.09	19.93	1.33
1.950	0.81	7.950	1.62	13.950	3.09	19.95	1.33
1.967	0.81	7.967	1.62	13.967	3.09	19.97	1.33
1.983	0.81	7.983	1.62	13.983	3.09	19.98	1.33
2.000	0.81	8.000	1.62	14.000	3.09	20.00	1.33
2.017	0.96	8.017	1.92	14.017	2.21	20.02	0.89
2.033	0.96	8.033	1.92	14.033	2.21	20.03	0.88
2.050	0.96	8.050	1.92	14.050	2.21	20.05	0.88
2.067	0.96	8.067	1.92	14.067	2.21	20.07	0.88
2.083	0.96	8.083	1.92	14.083	2.21	20.08	0.88
2.100	0.96	8.100	1.92	14.100	2.21	20.10	0.88
2.117	0.96	8.117	1.92	14.117	2.21	20.12	0.88
2.133	0.96	8.133	1.92	14.133	2.21	20.13	0.88
2.150	0.96	8.150	1.92	14.150	2.21	20.15	0.88
2.167	0.96	8.167	1.92	14.167	2.21	20.17	0.88
2.183	0.96	8.183	1.92	14.183	2.21	20.18	0.88
2.200	0.96	8.200	1.92	14.200	2.21	20.20	0.88
2.217	0.96	8.217	1.92	14.217	2.21	20.22	0.88
2.233	0.96	8.233	1.92	14.233	2.21	20.23	0.88
2.250	0.96	8.250	1.92	14.250	2.21	20.25	0.88
2.267	0.96	8.267	1.92	14.267	2.21	20.27	0.88
2.283	0.96	8.283	1.92	14.283	2.21	20.28	0.88
2.300	0.96	8.300	1.92	14.300	2.21	20.30	0.88
2.317	0.96	8.317	1.92	14.317	2.21	20.32	0.88
2.333	0.96	8.333	1.92	14.333	2.21	20.33	0.88
2.350	0.96	8.350	1.92	14.350	2.21	20.35	0.88
2.367	0.96	8.367	1.92	14.367	2.21	20.37	0.88
2.383	0.96	8.383	1.92	14.383	2.21	20.38	0.88
2.400	0.96	8.400	1.92	14.400	2.21	20.40	0.88
2.417	0.96	8.417	1.92	14.417	2.21	20.42	0.88
2.433	0.96	8.433	1.92	14.433	2.21	20.43	0.88
2.450	0.96	8.450	1.92	14.450	2.21	20.45	0.88
2.467	0.96	8.467	1.92	14.467	2.21	20.47	0.88
2.483	0.96	8.483	1.92	14.483	2.21	20.48	0.88
2.500	0.96	8.500	1.92	14.500	2.21	20.50	0.88
2.517	0.96	8.517	2.06	14.517	2.21	20.52	0.88

2.533	0.96	8.533	2.06	14.533	2.21	20.53	0.88
2.550	0.96	8.550	2.06	14.550	2.21	20.55	0.88
2.567	0.96	8.567	2.06	14.567	2.21	20.57	0.88
2.583	0.96	8.583	2.06	14.583	2.21	20.58	0.88
2.600	0.96	8.600	2.06	14.600	2.21	20.60	0.88
2.617	0.96	8.617	2.06	14.617	2.21	20.62	0.88
2.633	0.96	8.633	2.06	14.633	2.21	20.63	0.88
2.650	0.96	8.650	2.06	14.650	2.21	20.65	0.88
2.667	0.96	8.667	2.06	14.667	2.21	20.67	0.88
2.683	0.96	8.683	2.06	14.683	2.21	20.68	0.88
2.700	0.96	8.700	2.06	14.700	2.21	20.70	0.88
2.717	0.96	8.717	2.06	14.717	2.21	20.72	0.88
2.733	0.96	8.733	2.06	14.733	2.21	20.73	0.88
2.750	0.96	8.750	2.06	14.750	2.21	20.75	0.88
2.767	0.96	8.767	2.06	14.767	2.21	20.77	0.88
2.783	0.96	8.783	2.06	14.783	2.21	20.78	0.88
2.800	0.96	8.800	2.06	14.800	2.21	20.80	0.88
2.817	0.96	8.817	2.06	14.817	2.21	20.82	0.88
2.833	0.96	8.833	2.06	14.833	2.21	20.83	0.88
2.850	0.96	8.850	2.06	14.850	2.21	20.85	0.88
2.867	0.96	8.867	2.06	14.867	2.21	20.87	0.88
2.883	0.96	8.883	2.06	14.883	2.21	20.88	0.88
2.900	0.96	8.900	2.06	14.900	2.21	20.90	0.88
2.917	0.96	8.917	2.06	14.917	2.21	20.92	0.88
2.933	0.96	8.933	2.06	14.933	2.21	20.93	0.88
2.950	0.96	8.950	2.06	14.950	2.21	20.95	0.88
2.967	0.96	8.967	2.06	14.967	2.21	20.97	0.88
2.983	0.96	8.983	2.06	14.983	2.21	20.98	0.88
3.000	0.96	9.000	2.06	15.000	2.21	21.00	0.88
3.017	0.96	9.017	2.36	15.017	2.21	21.02	0.88
3.033	0.96	9.033	2.36	15.033	2.21	21.03	0.88
3.050	0.96	9.050	2.36	15.050	2.21	21.05	0.88
3.067	0.96	9.067	2.36	15.067	2.21	21.07	0.88
3.083	0.96	9.083	2.36	15.083	2.21	21.08	0.88
3.100	0.96	9.100	2.36	15.100	2.21	21.10	0.88
3.117	0.96	9.117	2.36	15.117	2.21	21.12	0.88
3.133	0.96	9.133	2.36	15.133	2.21	21.13	0.88
3.150	0.96	9.150	2.36	15.150	2.21	21.15	0.88
3.167	0.96	9.167	2.36	15.167	2.21	21.17	0.88
3.183	0.96	9.183	2.36	15.183	2.21	21.18	0.88
3.200	0.96	9.200	2.36	15.200	2.21	21.20	0.88
3.217	0.96	9.217	2.36	15.217	2.21	21.22	0.88
3.233	0.96	9.233	2.36	15.233	2.21	21.23	0.88
3.250	0.96	9.250	2.36	15.250	2.21	21.25	0.88
3.267	0.96	9.267	2.36	15.267	2.21	21.27	0.88
3.283	0.96	9.283	2.36	15.283	2.21	21.28	0.88
3.300	0.96	9.300	2.36	15.300	2.21	21.30	0.88
3.317	0.96	9.317	2.36	15.317	2.21	21.32	0.88
3.333	0.96	9.333	2.36	15.333	2.21	21.33	0.88
3.350	0.96	9.350	2.36	15.350	2.21	21.35	0.88
3.367	0.96	9.367	2.36	15.367	2.21	21.37	0.88
3.383	0.96	9.383	2.36	15.383	2.21	21.38	0.88
3.400	0.96	9.400	2.36	15.400	2.21	21.40	0.88
3.417	0.96	9.417	2.36	15.417	2.21	21.42	0.88
3.433	0.96	9.433	2.36	15.433	2.21	21.43	0.88
3.450	0.96	9.450	2.36	15.450	2.21	21.45	0.88
3.467	0.96	9.467	2.36	15.467	2.21	21.47	0.88
3.483	0.96	9.483	2.36	15.483	2.21	21.48	0.88
3.500	0.96	9.500	2.36	15.500	2.21	21.50	0.88
3.517	0.96	9.517	2.65	15.517	2.21	21.52	0.88
3.533	0.96	9.533	2.65	15.533	2.21	21.53	0.88
3.550	0.96	9.550	2.65	15.550	2.21	21.55	0.88
3.567	0.96	9.567	2.65	15.567	2.21	21.57	0.88
3.583	0.96	9.583	2.65	15.583	2.21	21.58	0.88
3.600	0.96	9.600	2.65	15.600	2.21	21.60	0.88
3.617	0.96	9.617	2.65	15.617	2.21	21.62	0.88
3.633	0.96	9.633	2.65	15.633	2.21	21.63	0.88
3.650	0.96	9.650	2.65	15.650	2.21	21.65	0.88
3.667	0.96	9.667	2.65	15.667	2.21	21.67	0.88
3.683	0.96	9.683	2.65	15.683	2.21	21.68	0.88
3.700	0.96	9.700	2.65	15.700	2.21	21.70	0.88
3.717	0.96	9.717	2.65	15.717	2.21	21.72	0.88
3.733	0.96	9.733	2.65	15.733	2.21	21.73	0.88
3.750	0.96	9.750	2.65	15.750	2.21	21.75	0.88
3.767	0.96	9.767	2.65	15.767	2.21	21.77	0.88
3.783	0.96	9.783	2.65	15.783	2.21	21.78	0.88
3.800	0.96	9.800	2.65	15.800	2.21	21.80	0.88
3.817	0.96	9.817	2.65	15.817	2.21	21.82	0.88
3.833	0.96	9.833	2.65	15.833	2.21	21.83	0.88
3.850	0.96	9.850	2.65	15.850	2.21	21.85	0.88
3.867	0.96	9.867	2.65	15.867	2.21	21.87	0.88
3.883	0.96	9.883	2.65	15.883	2.21	21.88	0.88
3.900	0.96	9.900	2.65	15.900	2.21	21.90	0.88
3.917	0.96	9.917	2.65	15.917	2.21	21.92	0.88

3.933	0.96	9.933	2.65	15.933	2.21	21.93	0.88
3.950	0.96	9.950	2.65	15.950	2.21	21.95	0.88
3.967	0.96	9.967	2.65	15.967	2.21	21.97	0.88
3.983	0.96	9.983	2.65	15.983	2.21	21.98	0.88
4.000	0.96	10.000	2.65	16.000	2.21	22.00	0.88
4.017	1.18	10.017	3.39	16.017	1.33	22.02	0.88
4.033	1.18	10.033	3.39	16.033	1.33	22.03	0.88
4.050	1.18	10.050	3.39	16.050	1.33	22.05	0.88
4.067	1.18	10.067	3.39	16.067	1.33	22.07	0.88
4.083	1.18	10.083	3.39	16.083	1.33	22.08	0.88
4.100	1.18	10.100	3.39	16.100	1.33	22.10	0.88
4.117	1.18	10.117	3.39	16.117	1.33	22.12	0.88
4.133	1.18	10.133	3.39	16.133	1.33	22.13	0.88
4.150	1.18	10.150	3.39	16.150	1.33	22.15	0.88
4.167	1.18	10.167	3.39	16.167	1.33	22.17	0.88
4.183	1.18	10.183	3.39	16.183	1.33	22.18	0.88
4.200	1.18	10.200	3.39	16.200	1.33	22.20	0.88
4.217	1.18	10.217	3.39	16.217	1.33	22.22	0.88
4.233	1.18	10.233	3.39	16.233	1.33	22.23	0.88
4.250	1.18	10.250	3.39	16.250	1.33	22.25	0.88
4.267	1.18	10.267	3.39	16.267	1.33	22.27	0.88
4.283	1.18	10.283	3.39	16.283	1.33	22.28	0.88
4.300	1.18	10.300	3.39	16.300	1.33	22.30	0.88
4.317	1.18	10.317	3.39	16.317	1.33	22.32	0.88
4.333	1.18	10.333	3.39	16.333	1.33	22.33	0.88
4.350	1.18	10.350	3.39	16.350	1.33	22.35	0.88
4.367	1.18	10.367	3.39	16.367	1.33	22.37	0.88
4.383	1.18	10.383	3.39	16.383	1.33	22.38	0.88
4.400	1.18	10.400	3.39	16.400	1.33	22.40	0.88
4.417	1.18	10.417	3.39	16.417	1.33	22.42	0.88
4.433	1.18	10.433	3.39	16.433	1.33	22.43	0.88
4.450	1.18	10.450	3.39	16.450	1.33	22.45	0.88
4.467	1.18	10.467	3.39	16.467	1.33	22.47	0.88
4.483	1.18	10.483	3.39	16.483	1.33	22.48	0.88
4.500	1.18	10.500	3.39	16.500	1.33	22.50	0.88
4.517	1.18	10.517	4.57	16.517	1.33	22.52	0.88
4.533	1.18	10.533	4.57	16.533	1.33	22.53	0.88
4.550	1.18	10.550	4.57	16.550	1.33	22.55	0.88
4.567	1.18	10.567	4.57	16.567	1.33	22.57	0.88
4.583	1.18	10.583	4.57	16.583	1.33	22.58	0.88
4.600	1.18	10.600	4.57	16.600	1.33	22.60	0.88
4.617	1.18	10.617	4.57	16.617	1.33	22.62	0.88
4.633	1.18	10.633	4.57	16.633	1.33	22.63	0.88
4.650	1.18	10.650	4.57	16.650	1.33	22.65	0.88
4.667	1.18	10.667	4.57	16.667	1.33	22.67	0.88
4.683	1.18	10.683	4.57	16.683	1.33	22.68	0.88
4.700	1.18	10.700	4.57	16.700	1.33	22.70	0.88
4.717	1.18	10.717	4.57	16.717	1.33	22.72	0.88
4.733	1.18	10.733	4.57	16.733	1.33	22.73	0.88
4.750	1.18	10.750	4.57	16.750	1.33	22.75	0.88
4.767	1.18	10.767	4.57	16.767	1.33	22.77	0.88
4.783	1.18	10.783	4.57	16.783	1.33	22.78	0.88
4.800	1.18	10.800	4.57	16.800	1.33	22.80	0.88
4.817	1.18	10.817	4.57	16.817	1.33	22.82	0.88
4.833	1.18	10.833	4.57	16.833	1.33	22.83	0.88
4.850	1.18	10.850	4.57	16.850	1.33	22.85	0.88
4.867	1.18	10.867	4.57	16.867	1.33	22.87	0.88
4.883	1.18	10.883	4.57	16.883	1.33	22.88	0.88
4.900	1.18	10.900	4.57	16.900	1.33	22.90	0.88
4.917	1.18	10.917	4.57	16.917	1.33	22.92	0.88
4.933	1.18	10.933	4.57	16.933	1.33	22.93	0.88
4.950	1.18	10.950	4.57	16.950	1.33	22.95	0.88
4.967	1.18	10.967	4.57	16.967	1.33	22.97	0.88
4.983	1.18	10.983	4.57	16.983	1.33	22.98	0.88
5.000	1.18	11.000	4.57	17.000	1.33	23.00	0.88
5.017	1.18	11.017	7.07	17.017	1.33	23.02	0.88
5.033	1.18	11.033	7.07	17.033	1.33	23.03	0.88
5.050	1.18	11.050	7.07	17.050	1.33	23.05	0.88
5.067	1.18	11.067	7.07	17.067	1.33	23.07	0.88
5.083	1.18	11.083	7.07	17.083	1.33	23.08	0.88
5.100	1.18	11.100	7.07	17.100	1.33	23.10	0.88
5.117	1.18	11.117	7.07	17.117	1.33	23.12	0.88
5.133	1.18	11.133	7.07	17.133	1.33	23.13	0.88
5.150	1.18	11.150	7.07	17.150	1.33	23.15	0.88
5.167	1.18	11.167	7.07	17.167	1.33	23.17	0.88
5.183	1.18	11.183	7.07	17.183	1.33	23.18	0.88
5.200	1.18	11.200	7.07	17.200	1.33	23.20	0.88
5.217	1.18	11.217	7.07	17.217	1.33	23.22	0.88
5.233	1.18	11.233	7.07	17.233	1.33	23.23	0.88
5.250	1.18	11.250	7.07	17.250	1.33	23.25	0.88
5.267	1.18	11.267	7.07	17.267	1.33	23.27	0.88
5.283	1.18	11.283	7.07	17.283	1.33	23.28	0.88
5.300	1.18	11.300	7.07	17.300	1.33	23.30	0.88
5.317	1.18	11.317	7.07	17.317	1.33	23.32	0.88

5.333	1.18	11.333	7.07	17.333	1.33	23.33	0.88
5.350	1.18	11.350	7.07	17.350	1.33	23.35	0.88
5.367	1.18	11.367	7.07	17.367	1.33	23.37	0.88
5.383	1.18	11.383	7.07	17.383	1.33	23.38	0.88
5.400	1.18	11.400	7.07	17.400	1.33	23.40	0.88
5.417	1.18	11.417	7.07	17.417	1.33	23.42	0.88
5.433	1.18	11.433	7.07	17.433	1.33	23.43	0.88
5.450	1.18	11.450	7.07	17.450	1.33	23.45	0.88
5.467	1.18	11.467	7.07	17.467	1.33	23.47	0.88
5.483	1.18	11.483	7.07	17.483	1.33	23.48	0.88
5.500	1.18	11.500	7.07	17.500	1.33	23.50	0.88
5.517	1.18	11.517	21.81	17.517	1.33	23.52	0.88
5.533	1.18	11.533	21.81	17.533	1.33	23.53	0.88
5.550	1.18	11.550	21.81	17.550	1.33	23.55	0.88
5.567	1.18	11.567	21.81	17.567	1.33	23.57	0.88
5.583	1.18	11.583	21.81	17.583	1.33	23.58	0.88
5.600	1.18	11.600	21.81	17.600	1.33	23.60	0.88
5.617	1.18	11.617	21.81	17.617	1.33	23.62	0.88
5.633	1.18	11.633	21.81	17.633	1.33	23.63	0.88
5.650	1.18	11.650	21.81	17.650	1.33	23.65	0.88
5.667	1.18	11.667	21.81	17.667	1.33	23.67	0.88
5.683	1.18	11.683	21.81	17.683	1.33	23.68	0.88
5.700	1.18	11.700	21.81	17.700	1.33	23.70	0.88
5.717	1.18	11.717	21.81	17.717	1.33	23.72	0.88
5.733	1.18	11.733	21.81	17.733	1.33	23.73	0.88
5.750	1.18	11.750	21.81	17.750	1.33	23.75	0.88
5.767	1.18	11.767	90.16	17.767	1.33	23.77	0.88
5.783	1.18	11.783	90.20	17.783	1.33	23.78	0.88
5.800	1.18	11.800	90.20	17.800	1.33	23.80	0.88
5.817	1.18	11.817	90.20	17.817	1.33	23.82	0.88
5.833	1.18	11.833	90.20	17.833	1.33	23.83	0.88
5.850	1.18	11.850	90.20	17.850	1.33	23.85	0.88
5.867	1.18	11.867	90.20	17.867	1.33	23.87	0.88
5.883	1.18	11.883	90.20	17.883	1.33	23.88	0.88
5.900	1.18	11.900	90.20	17.900	1.33	23.90	0.88
5.917	1.18	11.917	90.20	17.917	1.33	23.92	0.88
5.933	1.18	11.933	90.20	17.933	1.33	23.93	0.88
5.950	1.18	11.950	90.20	17.950	1.33	23.95	0.88
5.967	1.18	11.967	90.20	17.967	1.33	23.97	0.88
5.983	1.18	11.983	90.20	17.983	1.33	23.98	0.88
6.000	1.18	12.000	90.20	18.000	1.33	24.00	0.88

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.180 (i)
TIME TO PEAK (hrs)= 13.467
RUNOFF VOLUME (mm)= 10.434
TOTAL RAINFALL (mm)= 73.691
RUNOFF COEFFICIENT = 0.142

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
STANDHYD (0001)	Area (ha)=	1.18	
ID= 1 DT= 1.0 min	Total Imp(%)=	22.00	Dir. Conn.(%)= 22.00

	IMPERVIOUS	PERVIOUS (i)	
Surface Area	(ha)=	0.26	0.92
Dep. Storage	(mm)=	2.00	5.00
Average slope	(%)=	1.00	2.00
Length	(m)=	88.84	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.81	6.017	1.33	12.017	10.67	18.02	1.33
0.033	0.81	6.033	1.33	12.033	10.61	18.03	1.33
0.050	0.81	6.050	1.33	12.050	10.61	18.05	1.33
0.067	0.81	6.067	1.33	12.067	10.61	18.07	1.33
0.083	0.81	6.083	1.33	12.083	10.61	18.08	1.33
0.100	0.81	6.100	1.33	12.100	10.61	18.10	1.33
0.117	0.81	6.117	1.33	12.117	10.61	18.12	1.33
0.133	0.81	6.133	1.33	12.133	10.61	18.13	1.33
0.150	0.81	6.150	1.33	12.150	10.61	18.15	1.33
0.167	0.81	6.167	1.33	12.167	10.61	18.17	1.33
0.183	0.81	6.183	1.33	12.183	10.61	18.18	1.33
0.200	0.81	6.200	1.33	12.200	10.61	18.20	1.33
0.217	0.81	6.217	1.33	12.217	10.61	18.22	1.33

0.233	0.81	6.233	1.33	12.233	10.61	18.23	1.33
0.250	0.81	6.250	1.33	12.250	10.61	18.25	1.33
0.267	0.81	6.267	1.33	12.267	10.61	18.27	1.33
0.283	0.81	6.283	1.33	12.283	10.61	18.28	1.33
0.300	0.81	6.300	1.33	12.300	10.61	18.30	1.33
0.317	0.81	6.317	1.33	12.317	10.61	18.32	1.33
0.333	0.81	6.333	1.33	12.333	10.61	18.33	1.33
0.350	0.81	6.350	1.33	12.350	10.61	18.35	1.33
0.367	0.81	6.367	1.33	12.367	10.61	18.37	1.33
0.383	0.81	6.383	1.33	12.383	10.61	18.38	1.33
0.400	0.81	6.400	1.33	12.400	10.61	18.40	1.33
0.417	0.81	6.417	1.33	12.417	10.61	18.42	1.33
0.433	0.81	6.433	1.33	12.433	10.61	18.43	1.33
0.450	0.81	6.450	1.33	12.450	10.61	18.45	1.33
0.467	0.81	6.467	1.33	12.467	10.61	18.47	1.33
0.483	0.81	6.483	1.33	12.483	10.61	18.48	1.33
0.500	0.81	6.500	1.33	12.500	10.61	18.50	1.33
0.517	0.81	6.517	1.33	12.517	5.46	18.52	1.33
0.533	0.81	6.533	1.33	12.533	5.45	18.53	1.33
0.550	0.81	6.550	1.33	12.550	5.45	18.55	1.33
0.567	0.81	6.567	1.33	12.567	5.45	18.57	1.33
0.583	0.81	6.583	1.33	12.583	5.45	18.58	1.33
0.600	0.81	6.600	1.33	12.600	5.45	18.60	1.33
0.617	0.81	6.617	1.33	12.617	5.45	18.62	1.33
0.633	0.81	6.633	1.33	12.633	5.45	18.63	1.33
0.650	0.81	6.650	1.33	12.650	5.45	18.65	1.33
0.667	0.81	6.667	1.33	12.667	5.45	18.67	1.33
0.683	0.81	6.683	1.33	12.683	5.45	18.68	1.33
0.700	0.81	6.700	1.33	12.700	5.45	18.70	1.33
0.717	0.81	6.717	1.33	12.717	5.45	18.72	1.33
0.733	0.81	6.733	1.33	12.733	5.45	18.73	1.33
0.750	0.81	6.750	1.33	12.750	5.45	18.75	1.33
0.767	0.81	6.767	1.33	12.767	5.45	18.77	1.33
0.783	0.81	6.783	1.33	12.783	5.45	18.78	1.33
0.800	0.81	6.800	1.33	12.800	5.45	18.80	1.33
0.817	0.81	6.817	1.33	12.817	5.45	18.82	1.33
0.833	0.81	6.833	1.33	12.833	5.45	18.83	1.33
0.850	0.81	6.850	1.33	12.850	5.45	18.85	1.33
0.867	0.81	6.867	1.33	12.867	5.45	18.87	1.33
0.883	0.81	6.883	1.33	12.883	5.45	18.88	1.33
0.900	0.81	6.900	1.33	12.900	5.45	18.90	1.33
0.917	0.81	6.917	1.33	12.917	5.45	18.92	1.33
0.933	0.81	6.933	1.33	12.933	5.45	18.93	1.33
0.950	0.81	6.950	1.33	12.950	5.45	18.95	1.33
0.967	0.81	6.967	1.33	12.967	5.45	18.97	1.33
0.983	0.81	6.983	1.33	12.983	5.45	18.98	1.33
1.000	0.81	7.000	1.33	13.000	5.45	19.00	1.33
1.017	0.81	7.017	1.62	13.017	3.98	19.02	1.33
1.033	0.81	7.033	1.62	13.033	3.98	19.03	1.33
1.050	0.81	7.050	1.62	13.050	3.98	19.05	1.33
1.067	0.81	7.067	1.62	13.067	3.98	19.07	1.33
1.083	0.81	7.083	1.62	13.083	3.98	19.08	1.33
1.100	0.81	7.100	1.62	13.100	3.98	19.10	1.33
1.117	0.81	7.117	1.62	13.117	3.98	19.12	1.33
1.133	0.81	7.133	1.62	13.133	3.98	19.13	1.33
1.150	0.81	7.150	1.62	13.150	3.98	19.15	1.33
1.167	0.81	7.167	1.62	13.167	3.98	19.17	1.33
1.183	0.81	7.183	1.62	13.183	3.98	19.18	1.33
1.200	0.81	7.200	1.62	13.200	3.98	19.20	1.33
1.217	0.81	7.217	1.62	13.217	3.98	19.22	1.33
1.233	0.81	7.233	1.62	13.233	3.98	19.23	1.33
1.250	0.81	7.250	1.62	13.250	3.98	19.25	1.33
1.267	0.81	7.267	1.62	13.267	3.98	19.27	1.33
1.283	0.81	7.283	1.62	13.283	3.98	19.28	1.33
1.300	0.81	7.300	1.62	13.300	3.98	19.30	1.33
1.317	0.81	7.317	1.62	13.317	3.98	19.32	1.33
1.333	0.81	7.333	1.62	13.333	3.98	19.33	1.33
1.350	0.81	7.350	1.62	13.350	3.98	19.35	1.33
1.367	0.81	7.367	1.62	13.367	3.98	19.37	1.33
1.383	0.81	7.383	1.62	13.383	3.98	19.38	1.33
1.400	0.81	7.400	1.62	13.400	3.98	19.40	1.33
1.417	0.81	7.417	1.62	13.417	3.98	19.42	1.33
1.433	0.81	7.433	1.62	13.433	3.98	19.43	1.33
1.450	0.81	7.450	1.62	13.450	3.98	19.45	1.33
1.467	0.81	7.467	1.62	13.467	3.98	19.47	1.33
1.483	0.81	7.483	1.62	13.483	3.98	19.48	1.33
1.500	0.81	7.500	1.62	13.500	3.98	19.50	1.33
1.517	0.81	7.517	1.62	13.517	3.10	19.52	1.33
1.533	0.81	7.533	1.62	13.533	3.09	19.53	1.33
1.550	0.81	7.550	1.62	13.550	3.09	19.55	1.33
1.567	0.81	7.567	1.62	13.567	3.09	19.57	1.33
1.583	0.81	7.583	1.62	13.583	3.09	19.58	1.33
1.600	0.81	7.600	1.62	13.600	3.09	19.60	1.33
1.617	0.81	7.617	1.62	13.617	3.09	19.62	1.33

1.633	0.81	7.633	1.62	13.633	3.09	19.63	1.33
1.650	0.81	7.650	1.62	13.650	3.09	19.65	1.33
1.667	0.81	7.667	1.62	13.667	3.09	19.67	1.33
1.683	0.81	7.683	1.62	13.683	3.09	19.68	1.33
1.700	0.81	7.700	1.62	13.700	3.09	19.70	1.33
1.717	0.81	7.717	1.62	13.717	3.09	19.72	1.33
1.733	0.81	7.733	1.62	13.733	3.09	19.73	1.33
1.750	0.81	7.750	1.62	13.750	3.09	19.75	1.33
1.767	0.81	7.767	1.62	13.767	3.09	19.77	1.33
1.783	0.81	7.783	1.62	13.783	3.09	19.78	1.33
1.800	0.81	7.800	1.62	13.800	3.09	19.80	1.33
1.817	0.81	7.817	1.62	13.817	3.09	19.82	1.33
1.833	0.81	7.833	1.62	13.833	3.09	19.83	1.33
1.850	0.81	7.850	1.62	13.850	3.09	19.85	1.33
1.867	0.81	7.867	1.62	13.867	3.09	19.87	1.33
1.883	0.81	7.883	1.62	13.883	3.09	19.88	1.33
1.900	0.81	7.900	1.62	13.900	3.09	19.90	1.33
1.917	0.81	7.917	1.62	13.917	3.09	19.92	1.33
1.933	0.81	7.933	1.62	13.933	3.09	19.93	1.33
1.950	0.81	7.950	1.62	13.950	3.09	19.95	1.33
1.967	0.81	7.967	1.62	13.967	3.09	19.97	1.33
1.983	0.81	7.983	1.62	13.983	3.09	19.98	1.33
2.000	0.81	8.000	1.62	14.000	3.09	20.00	1.33
2.017	0.96	8.017	1.92	14.017	2.21	20.02	0.89
2.033	0.96	8.033	1.92	14.033	2.21	20.03	0.88
2.050	0.96	8.050	1.92	14.050	2.21	20.05	0.88
2.067	0.96	8.067	1.92	14.067	2.21	20.07	0.88
2.083	0.96	8.083	1.92	14.083	2.21	20.08	0.88
2.100	0.96	8.100	1.92	14.100	2.21	20.10	0.88
2.117	0.96	8.117	1.92	14.117	2.21	20.12	0.88
2.133	0.96	8.133	1.92	14.133	2.21	20.13	0.88
2.150	0.96	8.150	1.92	14.150	2.21	20.15	0.88
2.167	0.96	8.167	1.92	14.167	2.21	20.17	0.88
2.183	0.96	8.183	1.92	14.183	2.21	20.18	0.88
2.200	0.96	8.200	1.92	14.200	2.21	20.20	0.88
2.217	0.96	8.217	1.92	14.217	2.21	20.22	0.88
2.233	0.96	8.233	1.92	14.233	2.21	20.23	0.88
2.250	0.96	8.250	1.92	14.250	2.21	20.25	0.88
2.267	0.96	8.267	1.92	14.267	2.21	20.27	0.88
2.283	0.96	8.283	1.92	14.283	2.21	20.28	0.88
2.300	0.96	8.300	1.92	14.300	2.21	20.30	0.88
2.317	0.96	8.317	1.92	14.317	2.21	20.32	0.88
2.333	0.96	8.333	1.92	14.333	2.21	20.33	0.88
2.350	0.96	8.350	1.92	14.350	2.21	20.35	0.88
2.367	0.96	8.367	1.92	14.367	2.21	20.37	0.88
2.383	0.96	8.383	1.92	14.383	2.21	20.38	0.88
2.400	0.96	8.400	1.92	14.400	2.21	20.40	0.88
2.417	0.96	8.417	1.92	14.417	2.21	20.42	0.88
2.433	0.96	8.433	1.92	14.433	2.21	20.43	0.88
2.450	0.96	8.450	1.92	14.450	2.21	20.45	0.88
2.467	0.96	8.467	1.92	14.467	2.21	20.47	0.88
2.483	0.96	8.483	1.92	14.483	2.21	20.48	0.88
2.500	0.96	8.500	1.92	14.500	2.21	20.50	0.88
2.517	0.96	8.517	2.06	14.517	2.21	20.52	0.88
2.533	0.96	8.533	2.06	14.533	2.21	20.53	0.88
2.550	0.96	8.550	2.06	14.550	2.21	20.55	0.88
2.567	0.96	8.567	2.06	14.567	2.21	20.57	0.88
2.583	0.96	8.583	2.06	14.583	2.21	20.58	0.88
2.600	0.96	8.600	2.06	14.600	2.21	20.60	0.88
2.617	0.96	8.617	2.06	14.617	2.21	20.62	0.88
2.633	0.96	8.633	2.06	14.633	2.21	20.63	0.88
2.650	0.96	8.650	2.06	14.650	2.21	20.65	0.88
2.667	0.96	8.667	2.06	14.667	2.21	20.67	0.88
2.683	0.96	8.683	2.06	14.683	2.21	20.68	0.88
2.700	0.96	8.700	2.06	14.700	2.21	20.70	0.88
2.717	0.96	8.717	2.06	14.717	2.21	20.72	0.88
2.733	0.96	8.733	2.06	14.733	2.21	20.73	0.88
2.750	0.96	8.750	2.06	14.750	2.21	20.75	0.88
2.767	0.96	8.767	2.06	14.767	2.21	20.77	0.88
2.783	0.96	8.783	2.06	14.783	2.21	20.78	0.88
2.800	0.96	8.800	2.06	14.800	2.21	20.80	0.88
2.817	0.96	8.817	2.06	14.817	2.21	20.82	0.88
2.833	0.96	8.833	2.06	14.833	2.21	20.83	0.88
2.850	0.96	8.850	2.06	14.850	2.21	20.85	0.88
2.867	0.96	8.867	2.06	14.867	2.21	20.87	0.88
2.883	0.96	8.883	2.06	14.883	2.21	20.88	0.88
2.900	0.96	8.900	2.06	14.900	2.21	20.90	0.88
2.917	0.96	8.917	2.06	14.917	2.21	20.92	0.88
2.933	0.96	8.933	2.06	14.933	2.21	20.93	0.88
2.950	0.96	8.950	2.06	14.950	2.21	20.95	0.88
2.967	0.96	8.967	2.06	14.967	2.21	20.97	0.88
2.983	0.96	8.983	2.06	14.983	2.21	20.98	0.88
3.000	0.96	9.000	2.06	15.000	2.21	21.00	0.88
3.017	0.96	9.017	2.36	15.017	2.21	21.02	0.88

3.033	0.96	9.033	2.36	15.033	2.21	21.03	0.88
3.050	0.96	9.050	2.36	15.050	2.21	21.05	0.88
3.067	0.96	9.067	2.36	15.067	2.21	21.07	0.88
3.083	0.96	9.083	2.36	15.083	2.21	21.08	0.88
3.100	0.96	9.100	2.36	15.100	2.21	21.10	0.88
3.117	0.96	9.117	2.36	15.117	2.21	21.12	0.88
3.133	0.96	9.133	2.36	15.133	2.21	21.13	0.88
3.150	0.96	9.150	2.36	15.150	2.21	21.15	0.88
3.167	0.96	9.167	2.36	15.167	2.21	21.17	0.88
3.183	0.96	9.183	2.36	15.183	2.21	21.18	0.88
3.200	0.96	9.200	2.36	15.200	2.21	21.20	0.88
3.217	0.96	9.217	2.36	15.217	2.21	21.22	0.88
3.233	0.96	9.233	2.36	15.233	2.21	21.23	0.88
3.250	0.96	9.250	2.36	15.250	2.21	21.25	0.88
3.267	0.96	9.267	2.36	15.267	2.21	21.27	0.88
3.283	0.96	9.283	2.36	15.283	2.21	21.28	0.88
3.300	0.96	9.300	2.36	15.300	2.21	21.30	0.88
3.317	0.96	9.317	2.36	15.317	2.21	21.32	0.88
3.333	0.96	9.333	2.36	15.333	2.21	21.33	0.88
3.350	0.96	9.350	2.36	15.350	2.21	21.35	0.88
3.367	0.96	9.367	2.36	15.367	2.21	21.37	0.88
3.383	0.96	9.383	2.36	15.383	2.21	21.38	0.88
3.400	0.96	9.400	2.36	15.400	2.21	21.40	0.88
3.417	0.96	9.417	2.36	15.417	2.21	21.42	0.88
3.433	0.96	9.433	2.36	15.433	2.21	21.43	0.88
3.450	0.96	9.450	2.36	15.450	2.21	21.45	0.88
3.467	0.96	9.467	2.36	15.467	2.21	21.47	0.88
3.483	0.96	9.483	2.36	15.483	2.21	21.48	0.88
3.500	0.96	9.500	2.36	15.500	2.21	21.50	0.88
3.517	0.96	9.517	2.65	15.517	2.21	21.52	0.88
3.533	0.96	9.533	2.65	15.533	2.21	21.53	0.88
3.550	0.96	9.550	2.65	15.550	2.21	21.55	0.88
3.567	0.96	9.567	2.65	15.567	2.21	21.57	0.88
3.583	0.96	9.583	2.65	15.583	2.21	21.58	0.88
3.600	0.96	9.600	2.65	15.600	2.21	21.60	0.88
3.617	0.96	9.617	2.65	15.617	2.21	21.62	0.88
3.633	0.96	9.633	2.65	15.633	2.21	21.63	0.88
3.650	0.96	9.650	2.65	15.650	2.21	21.65	0.88
3.667	0.96	9.667	2.65	15.667	2.21	21.67	0.88
3.683	0.96	9.683	2.65	15.683	2.21	21.68	0.88
3.700	0.96	9.700	2.65	15.700	2.21	21.70	0.88
3.717	0.96	9.717	2.65	15.717	2.21	21.72	0.88
3.733	0.96	9.733	2.65	15.733	2.21	21.73	0.88
3.750	0.96	9.750	2.65	15.750	2.21	21.75	0.88
3.767	0.96	9.767	2.65	15.767	2.21	21.77	0.88
3.783	0.96	9.783	2.65	15.783	2.21	21.78	0.88
3.800	0.96	9.800	2.65	15.800	2.21	21.80	0.88
3.817	0.96	9.817	2.65	15.817	2.21	21.82	0.88
3.833	0.96	9.833	2.65	15.833	2.21	21.83	0.88
3.850	0.96	9.850	2.65	15.850	2.21	21.85	0.88
3.867	0.96	9.867	2.65	15.867	2.21	21.87	0.88
3.883	0.96	9.883	2.65	15.883	2.21	21.88	0.88
3.900	0.96	9.900	2.65	15.900	2.21	21.90	0.88
3.917	0.96	9.917	2.65	15.917	2.21	21.92	0.88
3.933	0.96	9.933	2.65	15.933	2.21	21.93	0.88
3.950	0.96	9.950	2.65	15.950	2.21	21.95	0.88
3.967	0.96	9.967	2.65	15.967	2.21	21.97	0.88
3.983	0.96	9.983	2.65	15.983	2.21	21.98	0.88
4.000	0.96	10.000	2.65	16.000	2.21	22.00	0.88
4.017	1.18	10.017	3.39	16.017	1.33	22.02	0.88
4.033	1.18	10.033	3.39	16.033	1.33	22.03	0.88
4.050	1.18	10.050	3.39	16.050	1.33	22.05	0.88
4.067	1.18	10.067	3.39	16.067	1.33	22.07	0.88
4.083	1.18	10.083	3.39	16.083	1.33	22.08	0.88
4.100	1.18	10.100	3.39	16.100	1.33	22.10	0.88
4.117	1.18	10.117	3.39	16.117	1.33	22.12	0.88
4.133	1.18	10.133	3.39	16.133	1.33	22.13	0.88
4.150	1.18	10.150	3.39	16.150	1.33	22.15	0.88
4.167	1.18	10.167	3.39	16.167	1.33	22.17	0.88
4.183	1.18	10.183	3.39	16.183	1.33	22.18	0.88
4.200	1.18	10.200	3.39	16.200	1.33	22.20	0.88
4.217	1.18	10.217	3.39	16.217	1.33	22.22	0.88
4.233	1.18	10.233	3.39	16.233	1.33	22.23	0.88
4.250	1.18	10.250	3.39	16.250	1.33	22.25	0.88
4.267	1.18	10.267	3.39	16.267	1.33	22.27	0.88
4.283	1.18	10.283	3.39	16.283	1.33	22.28	0.88
4.300	1.18	10.300	3.39	16.300	1.33	22.30	0.88
4.317	1.18	10.317	3.39	16.317	1.33	22.32	0.88
4.333	1.18	10.333	3.39	16.333	1.33	22.33	0.88
4.350	1.18	10.350	3.39	16.350	1.33	22.35	0.88
4.367	1.18	10.367	3.39	16.367	1.33	22.37	0.88
4.383	1.18	10.383	3.39	16.383	1.33	22.38	0.88
4.400	1.18	10.400	3.39	16.400	1.33	22.40	0.88
4.417	1.18	10.417	3.39	16.417	1.33	22.42	0.88

4.433	1.18	10.433	3.39	16.433	1.33	22.43	0.88
4.450	1.18	10.450	3.39	16.450	1.33	22.45	0.88
4.467	1.18	10.467	3.39	16.467	1.33	22.47	0.88
4.483	1.18	10.483	3.39	16.483	1.33	22.48	0.88
4.500	1.18	10.500	3.39	16.500	1.33	22.50	0.88
4.517	1.18	10.517	4.57	16.517	1.33	22.52	0.88
4.533	1.18	10.533	4.57	16.533	1.33	22.53	0.88
4.550	1.18	10.550	4.57	16.550	1.33	22.55	0.88
4.567	1.18	10.567	4.57	16.567	1.33	22.57	0.88
4.583	1.18	10.583	4.57	16.583	1.33	22.58	0.88
4.600	1.18	10.600	4.57	16.600	1.33	22.60	0.88
4.617	1.18	10.617	4.57	16.617	1.33	22.62	0.88
4.633	1.18	10.633	4.57	16.633	1.33	22.63	0.88
4.650	1.18	10.650	4.57	16.650	1.33	22.65	0.88
4.667	1.18	10.667	4.57	16.667	1.33	22.67	0.88
4.683	1.18	10.683	4.57	16.683	1.33	22.68	0.88
4.700	1.18	10.700	4.57	16.700	1.33	22.70	0.88
4.717	1.18	10.717	4.57	16.717	1.33	22.72	0.88
4.733	1.18	10.733	4.57	16.733	1.33	22.73	0.88
4.750	1.18	10.750	4.57	16.750	1.33	22.75	0.88
4.767	1.18	10.767	4.57	16.767	1.33	22.77	0.88
4.783	1.18	10.783	4.57	16.783	1.33	22.78	0.88
4.800	1.18	10.800	4.57	16.800	1.33	22.80	0.88
4.817	1.18	10.817	4.57	16.817	1.33	22.82	0.88
4.833	1.18	10.833	4.57	16.833	1.33	22.83	0.88
4.850	1.18	10.850	4.57	16.850	1.33	22.85	0.88
4.867	1.18	10.867	4.57	16.867	1.33	22.87	0.88
4.883	1.18	10.883	4.57	16.883	1.33	22.88	0.88
4.900	1.18	10.900	4.57	16.900	1.33	22.90	0.88
4.917	1.18	10.917	4.57	16.917	1.33	22.92	0.88
4.933	1.18	10.933	4.57	16.933	1.33	22.93	0.88
4.950	1.18	10.950	4.57	16.950	1.33	22.95	0.88
4.967	1.18	10.967	4.57	16.967	1.33	22.97	0.88
4.983	1.18	10.983	4.57	16.983	1.33	22.98	0.88
5.000	1.18	11.000	4.57	17.000	1.33	23.00	0.88
5.017	1.18	11.017	7.07	17.017	1.33	23.02	0.88
5.033	1.18	11.033	7.07	17.033	1.33	23.03	0.88
5.050	1.18	11.050	7.07	17.050	1.33	23.05	0.88
5.067	1.18	11.067	7.07	17.067	1.33	23.07	0.88
5.083	1.18	11.083	7.07	17.083	1.33	23.08	0.88
5.100	1.18	11.100	7.07	17.100	1.33	23.10	0.88
5.117	1.18	11.117	7.07	17.117	1.33	23.12	0.88
5.133	1.18	11.133	7.07	17.133	1.33	23.13	0.88
5.150	1.18	11.150	7.07	17.150	1.33	23.15	0.88
5.167	1.18	11.167	7.07	17.167	1.33	23.17	0.88
5.183	1.18	11.183	7.07	17.183	1.33	23.18	0.88
5.200	1.18	11.200	7.07	17.200	1.33	23.20	0.88
5.217	1.18	11.217	7.07	17.217	1.33	23.22	0.88
5.233	1.18	11.233	7.07	17.233	1.33	23.23	0.88
5.250	1.18	11.250	7.07	17.250	1.33	23.25	0.88
5.267	1.18	11.267	7.07	17.267	1.33	23.27	0.88
5.283	1.18	11.283	7.07	17.283	1.33	23.28	0.88
5.300	1.18	11.300	7.07	17.300	1.33	23.30	0.88
5.317	1.18	11.317	7.07	17.317	1.33	23.32	0.88
5.333	1.18	11.333	7.07	17.333	1.33	23.33	0.88
5.350	1.18	11.350	7.07	17.350	1.33	23.35	0.88
5.367	1.18	11.367	7.07	17.367	1.33	23.37	0.88
5.383	1.18	11.383	7.07	17.383	1.33	23.38	0.88
5.400	1.18	11.400	7.07	17.400	1.33	23.40	0.88
5.417	1.18	11.417	7.07	17.417	1.33	23.42	0.88
5.433	1.18	11.433	7.07	17.433	1.33	23.43	0.88
5.450	1.18	11.450	7.07	17.450	1.33	23.45	0.88
5.467	1.18	11.467	7.07	17.467	1.33	23.47	0.88
5.483	1.18	11.483	7.07	17.483	1.33	23.48	0.88
5.500	1.18	11.500	7.07	17.500	1.33	23.50	0.88
5.517	1.18	11.517	21.81	17.517	1.33	23.52	0.88
5.533	1.18	11.533	21.81	17.533	1.33	23.53	0.88
5.550	1.18	11.550	21.81	17.550	1.33	23.55	0.88
5.567	1.18	11.567	21.81	17.567	1.33	23.57	0.88
5.583	1.18	11.583	21.81	17.583	1.33	23.58	0.88
5.600	1.18	11.600	21.81	17.600	1.33	23.60	0.88
5.617	1.18	11.617	21.81	17.617	1.33	23.62	0.88
5.633	1.18	11.633	21.81	17.633	1.33	23.63	0.88
5.650	1.18	11.650	21.81	17.650	1.33	23.65	0.88
5.667	1.18	11.667	21.81	17.667	1.33	23.67	0.88
5.683	1.18	11.683	21.81	17.683	1.33	23.68	0.88
5.700	1.18	11.700	21.81	17.700	1.33	23.70	0.88
5.717	1.18	11.717	21.81	17.717	1.33	23.72	0.88
5.733	1.18	11.733	21.81	17.733	1.33	23.73	0.88
5.750	1.18	11.750	21.81	17.750	1.33	23.75	0.88
5.767	1.18	11.767	90.16	17.767	1.33	23.77	0.88
5.783	1.18	11.783	90.20	17.783	1.33	23.78	0.88
5.800	1.18	11.800	90.20	17.800	1.33	23.80	0.88
5.817	1.18	11.817	90.20	17.817	1.33	23.82	0.88

5.833	1.18	11.833	90.20	17.833	1.33	23.83	0.88
5.850	1.18	11.850	90.20	17.850	1.33	23.85	0.88
5.867	1.18	11.867	90.20	17.867	1.33	23.87	0.88
5.883	1.18	11.883	90.20	17.883	1.33	23.88	0.88
5.900	1.18	11.900	90.20	17.900	1.33	23.90	0.88
5.917	1.18	11.917	90.20	17.917	1.33	23.92	0.88
5.933	1.18	11.933	90.20	17.933	1.33	23.93	0.88
5.950	1.18	11.950	90.20	17.950	1.33	23.95	0.88
5.967	1.18	11.967	90.20	17.967	1.33	23.97	0.88
5.983	1.18	11.983	90.20	17.983	1.33	23.98	0.88
6.000	1.18	12.000	90.20	18.000	1.33	24.00	0.88

Max.Eff.Inten.(mm/hr)= 90.20 22.78
over (min) 5.00 16.00
Storage Coeff. (min)= 2.48 (ii) 15.23 (ii)
Unit Hyd. Tpeak (min)= 5.00 16.00
Unit Hyd. peak (cms)= 0.34 0.07

PEAK FLOW (cms)= 0.06 0.03 0.086 (iii)
TIME TO PEAK (hrs)= 12.00 12.17 12.00
RUNOFF VOLUME (mm)= 71.69 16.55 28.68
TOTAL RAINFALL (mm)= 73.69 73.69 73.69
RUNOFF COEFFICIENT = 0.97 0.22 0.39

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0001):	1.18	0.086	12.00	28.68
+ ID2= 2 (0003):	19.20	0.180	13.47	10.43
ID = 3 (0005):	20.39	0.187	13.43	16.09

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:4.3 SCS II 24hr 10yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData ata\Local\Temp\ 6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\d4139db4
Ptotal= 84.59 mm	Comments: SCS 24 HOUR TYPE II STORM DISTRIBUTION 1
Duration of storm = 24.00 hrs	
Mass curve time step = 15.00 min	

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.93	6.00	1.52	12.00	12.18	18.00	1.52
0.25	0.93	6.25	1.52	12.25	12.18	18.25	1.52
0.50	0.93	6.50	1.52	12.50	6.26	18.50	1.52
0.75	0.93	6.75	1.52	12.75	6.26	18.75	1.52
1.00	0.93	7.00	1.86	13.00	4.57	19.00	1.52
1.25	0.93	7.25	1.86	13.25	4.57	19.25	1.52
1.50	0.93	7.50	1.86	13.50	3.55	19.50	1.52
1.75	0.93	7.75	1.86	13.75	3.55	19.75	1.52
2.00	1.10	8.00	2.20	14.00	2.54	20.00	1.02
2.25	1.10	8.25	2.20	14.25	2.54	20.25	1.02
2.50	1.10	8.50	2.37	14.50	2.54	20.50	1.02
2.75	1.10	8.75	2.37	14.75	2.54	20.75	1.02
3.00	1.10	9.00	2.71	15.00	2.54	21.00	1.02
3.25	1.10	9.25	2.71	15.25	2.54	21.25	1.02
3.50	1.10	9.50	3.05	15.50	2.54	21.50	1.02
3.75	1.10	9.75	3.05	15.75	2.54	21.75	1.02
4.00	1.35	10.00	3.89	16.00	1.52	22.00	1.02
4.25	1.35	10.25	3.89	16.25	1.52	22.25	1.02
4.50	1.35	10.50	5.24	16.50	1.52	22.50	1.02
4.75	1.35	10.75	5.24	16.75	1.52	22.75	1.02
5.00	1.35	11.00	8.12	17.00	1.52	23.00	1.02
5.25	1.35	11.25	8.12	17.25	1.52	23.25	1.02
5.50	1.35	11.50	25.04	17.50	1.52	23.50	1.02
5.75	1.35	11.75	103.54	17.75	1.52	23.75	1.02

CALIB
NASHYD (0003)
ID= 1 DT= 1.0 min

Area (ha)= 19.20 Curve Number (CN)= 55.0
Ia (mm)= 9.10 # of Linear Res.(N)= 3.00
U.H. Tp(hrs)= 1.32

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.93	6.017	1.52	12.017	12.24	18.02	1.52
0.033	0.93	6.033	1.52	12.033	12.18	18.03	1.52
0.050	0.93	6.050	1.52	12.050	12.18	18.05	1.52
0.067	0.93	6.067	1.52	12.067	12.18	18.07	1.52
0.083	0.93	6.083	1.52	12.083	12.18	18.08	1.52
0.100	0.93	6.100	1.52	12.100	12.18	18.10	1.52
0.117	0.93	6.117	1.52	12.117	12.18	18.12	1.52
0.133	0.93	6.133	1.52	12.133	12.18	18.13	1.52
0.150	0.93	6.150	1.52	12.150	12.18	18.15	1.52
0.167	0.93	6.167	1.52	12.167	12.18	18.17	1.52
0.183	0.93	6.183	1.52	12.183	12.18	18.18	1.52
0.200	0.93	6.200	1.52	12.200	12.18	18.20	1.52
0.217	0.93	6.217	1.52	12.217	12.18	18.22	1.52
0.233	0.93	6.233	1.52	12.233	12.18	18.23	1.52
0.250	0.93	6.250	1.52	12.250	12.18	18.25	1.52
0.267	0.93	6.267	1.52	12.267	12.18	18.27	1.52
0.283	0.93	6.283	1.52	12.283	12.18	18.28	1.52
0.300	0.93	6.300	1.52	12.300	12.18	18.30	1.52
0.317	0.93	6.317	1.52	12.317	12.18	18.32	1.52
0.333	0.93	6.333	1.52	12.333	12.18	18.33	1.52
0.350	0.93	6.350	1.52	12.350	12.18	18.35	1.52
0.367	0.93	6.367	1.52	12.367	12.18	18.37	1.52
0.383	0.93	6.383	1.52	12.383	12.18	18.38	1.52
0.400	0.93	6.400	1.52	12.400	12.18	18.40	1.52
0.417	0.93	6.417	1.52	12.417	12.18	18.42	1.52
0.433	0.93	6.433	1.52	12.433	12.18	18.43	1.52
0.450	0.93	6.450	1.52	12.450	12.18	18.45	1.52
0.467	0.93	6.467	1.52	12.467	12.18	18.47	1.52
0.483	0.93	6.483	1.52	12.483	12.18	18.48	1.52
0.500	0.93	6.500	1.52	12.500	12.18	18.50	1.52
0.517	0.93	6.517	1.52	12.517	6.27	18.52	1.52
0.533	0.93	6.533	1.52	12.533	6.26	18.53	1.52
0.550	0.93	6.550	1.52	12.550	6.26	18.55	1.52
0.567	0.93	6.567	1.52	12.567	6.26	18.57	1.52
0.583	0.93	6.583	1.52	12.583	6.26	18.58	1.52
0.600	0.93	6.600	1.52	12.600	6.26	18.60	1.52
0.617	0.93	6.617	1.52	12.617	6.26	18.62	1.52
0.633	0.93	6.633	1.52	12.633	6.26	18.63	1.52
0.650	0.93	6.650	1.52	12.650	6.26	18.65	1.52
0.667	0.93	6.667	1.52	12.667	6.26	18.67	1.52
0.683	0.93	6.683	1.52	12.683	6.26	18.68	1.52
0.700	0.93	6.700	1.52	12.700	6.26	18.70	1.52
0.717	0.93	6.717	1.52	12.717	6.26	18.72	1.52
0.733	0.93	6.733	1.52	12.733	6.26	18.73	1.52
0.750	0.93	6.750	1.52	12.750	6.26	18.75	1.52
0.767	0.93	6.767	1.52	12.767	6.26	18.77	1.52
0.783	0.93	6.783	1.52	12.783	6.26	18.78	1.52
0.800	0.93	6.800	1.52	12.800	6.26	18.80	1.52
0.817	0.93	6.817	1.52	12.817	6.26	18.82	1.52
0.833	0.93	6.833	1.52	12.833	6.26	18.83	1.52
0.850	0.93	6.850	1.52	12.850	6.26	18.85	1.52
0.867	0.93	6.867	1.52	12.867	6.26	18.87	1.52
0.883	0.93	6.883	1.52	12.883	6.26	18.88	1.52
0.900	0.93	6.900	1.52	12.900	6.26	18.90	1.52
0.917	0.93	6.917	1.52	12.917	6.26	18.92	1.52
0.933	0.93	6.933	1.52	12.933	6.26	18.93	1.52
0.950	0.93	6.950	1.52	12.950	6.26	18.95	1.52
0.967	0.93	6.967	1.52	12.967	6.26	18.97	1.52
0.983	0.93	6.983	1.52	12.983	6.26	18.98	1.52
1.000	0.93	7.000	1.52	13.000	6.26	19.00	1.52
1.017	0.93	7.017	1.86	13.017	4.57	19.02	1.52
1.033	0.93	7.033	1.86	13.033	4.57	19.03	1.52
1.050	0.93	7.050	1.86	13.050	4.57	19.05	1.52
1.067	0.93	7.067	1.86	13.067	4.57	19.07	1.52
1.083	0.93	7.083	1.86	13.083	4.57	19.08	1.52
1.100	0.93	7.100	1.86	13.100	4.57	19.10	1.52
1.117	0.93	7.117	1.86	13.117	4.57	19.12	1.52
1.133	0.93	7.133	1.86	13.133	4.57	19.13	1.52
1.150	0.93	7.150	1.86	13.150	4.57	19.15	1.52
1.167	0.93	7.167	1.86	13.167	4.57	19.17	1.52
1.183	0.93	7.183	1.86	13.183	4.57	19.18	1.52
1.200	0.93	7.200	1.86	13.200	4.57	19.20	1.52

1.217	0.93	7.217	1.86	13.217	4.57	19.22	1.52
1.233	0.93	7.233	1.86	13.233	4.57	19.23	1.52
1.250	0.93	7.250	1.86	13.250	4.57	19.25	1.52
1.267	0.93	7.267	1.86	13.267	4.57	19.27	1.52
1.283	0.93	7.283	1.86	13.283	4.57	19.28	1.52
1.300	0.93	7.300	1.86	13.300	4.57	19.30	1.52
1.317	0.93	7.317	1.86	13.317	4.57	19.32	1.52
1.333	0.93	7.333	1.86	13.333	4.57	19.33	1.52
1.350	0.93	7.350	1.86	13.350	4.57	19.35	1.52
1.367	0.93	7.367	1.86	13.367	4.57	19.37	1.52
1.383	0.93	7.383	1.86	13.383	4.57	19.38	1.52
1.400	0.93	7.400	1.86	13.400	4.57	19.40	1.52
1.417	0.93	7.417	1.86	13.417	4.57	19.42	1.52
1.433	0.93	7.433	1.86	13.433	4.57	19.43	1.52
1.450	0.93	7.450	1.86	13.450	4.57	19.45	1.52
1.467	0.93	7.467	1.86	13.467	4.57	19.47	1.52
1.483	0.93	7.483	1.86	13.483	4.57	19.48	1.52
1.500	0.93	7.500	1.86	13.500	4.57	19.50	1.52
1.517	0.93	7.517	1.86	13.517	3.55	19.52	1.52
1.533	0.93	7.533	1.86	13.533	3.55	19.53	1.52
1.550	0.93	7.550	1.86	13.550	3.55	19.55	1.52
1.567	0.93	7.567	1.86	13.567	3.55	19.57	1.52
1.583	0.93	7.583	1.86	13.583	3.55	19.58	1.52
1.600	0.93	7.600	1.86	13.600	3.55	19.60	1.52
1.617	0.93	7.617	1.86	13.617	3.55	19.62	1.52
1.633	0.93	7.633	1.86	13.633	3.55	19.63	1.52
1.650	0.93	7.650	1.86	13.650	3.55	19.65	1.52
1.667	0.93	7.667	1.86	13.667	3.55	19.67	1.52
1.683	0.93	7.683	1.86	13.683	3.55	19.68	1.52
1.700	0.93	7.700	1.86	13.700	3.55	19.70	1.52
1.717	0.93	7.717	1.86	13.717	3.55	19.72	1.52
1.733	0.93	7.733	1.86	13.733	3.55	19.73	1.52
1.750	0.93	7.750	1.86	13.750	3.55	19.75	1.52
1.767	0.93	7.767	1.86	13.767	3.55	19.77	1.52
1.783	0.93	7.783	1.86	13.783	3.55	19.78	1.52
1.800	0.93	7.800	1.86	13.800	3.55	19.80	1.52
1.817	0.93	7.817	1.86	13.817	3.55	19.82	1.52
1.833	0.93	7.833	1.86	13.833	3.55	19.83	1.52
1.850	0.93	7.850	1.86	13.850	3.55	19.85	1.52
1.867	0.93	7.867	1.86	13.867	3.55	19.87	1.52
1.883	0.93	7.883	1.86	13.883	3.55	19.88	1.52
1.900	0.93	7.900	1.86	13.900	3.55	19.90	1.52
1.917	0.93	7.917	1.86	13.917	3.55	19.92	1.52
1.933	0.93	7.933	1.86	13.933	3.55	19.93	1.52
1.950	0.93	7.950	1.86	13.950	3.55	19.95	1.52
1.967	0.93	7.967	1.86	13.967	3.55	19.97	1.52
1.983	0.93	7.983	1.86	13.983	3.55	19.98	1.52
2.000	0.93	8.000	1.86	14.000	3.55	20.00	1.52
2.017	1.10	8.017	2.20	14.017	2.54	20.02	1.02
2.033	1.10	8.033	2.20	14.033	2.54	20.03	1.02
2.050	1.10	8.050	2.20	14.050	2.54	20.05	1.02
2.067	1.10	8.067	2.20	14.067	2.54	20.07	1.02
2.083	1.10	8.083	2.20	14.083	2.54	20.08	1.02
2.100	1.10	8.100	2.20	14.100	2.54	20.10	1.02
2.117	1.10	8.117	2.20	14.117	2.54	20.12	1.02
2.133	1.10	8.133	2.20	14.133	2.54	20.13	1.02
2.150	1.10	8.150	2.20	14.150	2.54	20.15	1.02
2.167	1.10	8.167	2.20	14.167	2.54	20.17	1.02
2.183	1.10	8.183	2.20	14.183	2.54	20.18	1.02
2.200	1.10	8.200	2.20	14.200	2.54	20.20	1.02
2.217	1.10	8.217	2.20	14.217	2.54	20.22	1.02
2.233	1.10	8.233	2.20	14.233	2.54	20.23	1.02
2.250	1.10	8.250	2.20	14.250	2.54	20.25	1.02
2.267	1.10	8.267	2.20	14.267	2.54	20.27	1.02
2.283	1.10	8.283	2.20	14.283	2.54	20.28	1.02
2.300	1.10	8.300	2.20	14.300	2.54	20.30	1.02
2.317	1.10	8.317	2.20	14.317	2.54	20.32	1.02
2.333	1.10	8.333	2.20	14.333	2.54	20.33	1.02
2.350	1.10	8.350	2.20	14.350	2.54	20.35	1.02
2.367	1.10	8.367	2.20	14.367	2.54	20.37	1.02
2.383	1.10	8.383	2.20	14.383	2.54	20.38	1.02
2.400	1.10	8.400	2.20	14.400	2.54	20.40	1.02
2.417	1.10	8.417	2.20	14.417	2.54	20.42	1.02
2.433	1.10	8.433	2.20	14.433	2.54	20.43	1.02
2.450	1.10	8.450	2.20	14.450	2.54	20.45	1.02
2.467	1.10	8.467	2.20	14.467	2.54	20.47	1.02
2.483	1.10	8.483	2.20	14.483	2.54	20.48	1.02
2.500	1.10	8.500	2.20	14.500	2.54	20.50	1.02
2.517	1.10	8.517	2.37	14.517	2.54	20.52	1.02
2.533	1.10	8.533	2.37	14.533	2.54	20.53	1.02
2.550	1.10	8.550	2.37	14.550	2.54	20.55	1.02
2.567	1.10	8.567	2.37	14.567	2.54	20.57	1.02
2.583	1.10	8.583	2.37	14.583	2.54	20.58	1.02
2.600	1.10	8.600	2.37	14.600	2.54	20.60	1.02

2.617	1.10	8.617	2.37	14.617	2.54	20.62	1.02
2.633	1.10	8.633	2.37	14.633	2.54	20.63	1.02
2.650	1.10	8.650	2.37	14.650	2.54	20.65	1.02
2.667	1.10	8.667	2.37	14.667	2.54	20.67	1.02
2.683	1.10	8.683	2.37	14.683	2.54	20.68	1.02
2.700	1.10	8.700	2.37	14.700	2.54	20.70	1.02
2.717	1.10	8.717	2.37	14.717	2.54	20.72	1.02
2.733	1.10	8.733	2.37	14.733	2.54	20.73	1.02
2.750	1.10	8.750	2.37	14.750	2.54	20.75	1.02
2.767	1.10	8.767	2.37	14.767	2.54	20.77	1.02
2.783	1.10	8.783	2.37	14.783	2.54	20.78	1.02
2.800	1.10	8.800	2.37	14.800	2.54	20.80	1.02
2.817	1.10	8.817	2.37	14.817	2.54	20.82	1.02
2.833	1.10	8.833	2.37	14.833	2.54	20.83	1.02
2.850	1.10	8.850	2.37	14.850	2.54	20.85	1.02
2.867	1.10	8.867	2.37	14.867	2.54	20.87	1.02
2.883	1.10	8.883	2.37	14.883	2.54	20.88	1.02
2.900	1.10	8.900	2.37	14.900	2.54	20.90	1.02
2.917	1.10	8.917	2.37	14.917	2.54	20.92	1.02
2.933	1.10	8.933	2.37	14.933	2.54	20.93	1.02
2.950	1.10	8.950	2.37	14.950	2.54	20.95	1.02
2.967	1.10	8.967	2.37	14.967	2.54	20.97	1.02
2.983	1.10	8.983	2.37	14.983	2.54	20.98	1.02
3.000	1.10	9.000	2.37	15.000	2.54	21.00	1.02
3.017	1.10	9.017	2.71	15.017	2.54	21.02	1.02
3.033	1.10	9.033	2.71	15.033	2.54	21.03	1.02
3.050	1.10	9.050	2.71	15.050	2.54	21.05	1.02
3.067	1.10	9.067	2.71	15.067	2.54	21.07	1.02
3.083	1.10	9.083	2.71	15.083	2.54	21.08	1.02
3.100	1.10	9.100	2.71	15.100	2.54	21.10	1.02
3.117	1.10	9.117	2.71	15.117	2.54	21.12	1.02
3.133	1.10	9.133	2.71	15.133	2.54	21.13	1.02
3.150	1.10	9.150	2.71	15.150	2.54	21.15	1.02
3.167	1.10	9.167	2.71	15.167	2.54	21.17	1.02
3.183	1.10	9.183	2.71	15.183	2.54	21.18	1.02
3.200	1.10	9.200	2.71	15.200	2.54	21.20	1.02
3.217	1.10	9.217	2.71	15.217	2.54	21.22	1.02
3.233	1.10	9.233	2.71	15.233	2.54	21.23	1.02
3.250	1.10	9.250	2.71	15.250	2.54	21.25	1.02
3.267	1.10	9.267	2.71	15.267	2.54	21.27	1.02
3.283	1.10	9.283	2.71	15.283	2.54	21.28	1.02
3.300	1.10	9.300	2.71	15.300	2.54	21.30	1.02
3.317	1.10	9.317	2.71	15.317	2.54	21.32	1.02
3.333	1.10	9.333	2.71	15.333	2.54	21.33	1.02
3.350	1.10	9.350	2.71	15.350	2.54	21.35	1.02
3.367	1.10	9.367	2.71	15.367	2.54	21.37	1.02
3.383	1.10	9.383	2.71	15.383	2.54	21.38	1.02
3.400	1.10	9.400	2.71	15.400	2.54	21.40	1.02
3.417	1.10	9.417	2.71	15.417	2.54	21.42	1.02
3.433	1.10	9.433	2.71	15.433	2.54	21.43	1.02
3.450	1.10	9.450	2.71	15.450	2.54	21.45	1.02
3.467	1.10	9.467	2.71	15.467	2.54	21.47	1.02
3.483	1.10	9.483	2.71	15.483	2.54	21.48	1.02
3.500	1.10	9.500	2.71	15.500	2.54	21.50	1.02
3.517	1.10	9.517	3.05	15.517	2.54	21.52	1.02
3.533	1.10	9.533	3.05	15.533	2.54	21.53	1.02
3.550	1.10	9.550	3.05	15.550	2.54	21.55	1.02
3.567	1.10	9.567	3.05	15.567	2.54	21.57	1.02
3.583	1.10	9.583	3.05	15.583	2.54	21.58	1.02
3.600	1.10	9.600	3.05	15.600	2.54	21.60	1.02
3.617	1.10	9.617	3.05	15.617	2.54	21.62	1.02
3.633	1.10	9.633	3.05	15.633	2.54	21.63	1.02
3.650	1.10	9.650	3.05	15.650	2.54	21.65	1.02
3.667	1.10	9.667	3.05	15.667	2.54	21.67	1.02
3.683	1.10	9.683	3.05	15.683	2.54	21.68	1.02
3.700	1.10	9.700	3.05	15.700	2.54	21.70	1.02
3.717	1.10	9.717	3.05	15.717	2.54	21.72	1.02
3.733	1.10	9.733	3.05	15.733	2.54	21.73	1.02
3.750	1.10	9.750	3.05	15.750	2.54	21.75	1.02
3.767	1.10	9.767	3.05	15.767	2.54	21.77	1.02
3.783	1.10	9.783	3.05	15.783	2.54	21.78	1.02
3.800	1.10	9.800	3.05	15.800	2.54	21.80	1.02
3.817	1.10	9.817	3.05	15.817	2.54	21.82	1.02
3.833	1.10	9.833	3.05	15.833	2.54	21.83	1.02
3.850	1.10	9.850	3.05	15.850	2.54	21.85	1.02
3.867	1.10	9.867	3.05	15.867	2.54	21.87	1.02
3.883	1.10	9.883	3.05	15.883	2.54	21.88	1.02
3.900	1.10	9.900	3.05	15.900	2.54	21.90	1.02
3.917	1.10	9.917	3.05	15.917	2.54	21.92	1.02
3.933	1.10	9.933	3.05	15.933	2.54	21.93	1.02
3.950	1.10	9.950	3.05	15.950	2.54	21.95	1.02
3.967	1.10	9.967	3.05	15.967	2.54	21.97	1.02
3.983	1.10	9.983	3.05	15.983	2.54	21.98	1.02
4.000	1.10	10.000	3.05	16.000	2.54	22.00	1.02

4.017	1.35	10.017	3.89	16.017	1.53	22.02	1.02
4.033	1.35	10.033	3.89	16.033	1.52	22.03	1.02
4.050	1.35	10.050	3.89	16.050	1.52	22.05	1.02
4.067	1.35	10.067	3.89	16.067	1.52	22.07	1.02
4.083	1.35	10.083	3.89	16.083	1.52	22.08	1.02
4.100	1.35	10.100	3.89	16.100	1.52	22.10	1.02
4.117	1.35	10.117	3.89	16.117	1.52	22.12	1.02
4.133	1.35	10.133	3.89	16.133	1.52	22.13	1.02
4.150	1.35	10.150	3.89	16.150	1.52	22.15	1.02
4.167	1.35	10.167	3.89	16.167	1.52	22.17	1.02
4.183	1.35	10.183	3.89	16.183	1.52	22.18	1.02
4.200	1.35	10.200	3.89	16.200	1.52	22.20	1.02
4.217	1.35	10.217	3.89	16.217	1.52	22.22	1.02
4.233	1.35	10.233	3.89	16.233	1.52	22.23	1.02
4.250	1.35	10.250	3.89	16.250	1.52	22.25	1.02
4.267	1.35	10.267	3.89	16.267	1.52	22.27	1.02
4.283	1.35	10.283	3.89	16.283	1.52	22.28	1.02
4.300	1.35	10.300	3.89	16.300	1.52	22.30	1.02
4.317	1.35	10.317	3.89	16.317	1.52	22.32	1.02
4.333	1.35	10.333	3.89	16.333	1.52	22.33	1.02
4.350	1.35	10.350	3.89	16.350	1.52	22.35	1.02
4.367	1.35	10.367	3.89	16.367	1.52	22.37	1.02
4.383	1.35	10.383	3.89	16.383	1.52	22.38	1.02
4.400	1.35	10.400	3.89	16.400	1.52	22.40	1.02
4.417	1.35	10.417	3.89	16.417	1.52	22.42	1.02
4.433	1.35	10.433	3.89	16.433	1.52	22.43	1.02
4.450	1.35	10.450	3.89	16.450	1.52	22.45	1.02
4.467	1.35	10.467	3.89	16.467	1.52	22.47	1.02
4.483	1.35	10.483	3.89	16.483	1.52	22.48	1.02
4.500	1.35	10.500	3.89	16.500	1.52	22.50	1.02
4.517	1.35	10.517	5.24	16.517	1.52	22.52	1.02
4.533	1.35	10.533	5.24	16.533	1.52	22.53	1.02
4.550	1.35	10.550	5.24	16.550	1.52	22.55	1.02
4.567	1.35	10.567	5.24	16.567	1.52	22.57	1.02
4.583	1.35	10.583	5.24	16.583	1.52	22.58	1.02
4.600	1.35	10.600	5.24	16.600	1.52	22.60	1.02
4.617	1.35	10.617	5.24	16.617	1.52	22.62	1.02
4.633	1.35	10.633	5.24	16.633	1.52	22.63	1.02
4.650	1.35	10.650	5.24	16.650	1.52	22.65	1.02
4.667	1.35	10.667	5.24	16.667	1.52	22.67	1.02
4.683	1.35	10.683	5.24	16.683	1.52	22.68	1.02
4.700	1.35	10.700	5.24	16.700	1.52	22.70	1.02
4.717	1.35	10.717	5.24	16.717	1.52	22.72	1.02
4.733	1.35	10.733	5.24	16.733	1.52	22.73	1.02
4.750	1.35	10.750	5.24	16.750	1.52	22.75	1.02
4.767	1.35	10.767	5.24	16.767	1.52	22.77	1.02
4.783	1.35	10.783	5.24	16.783	1.52	22.78	1.02
4.800	1.35	10.800	5.24	16.800	1.52	22.80	1.02
4.817	1.35	10.817	5.24	16.817	1.52	22.82	1.02
4.833	1.35	10.833	5.24	16.833	1.52	22.83	1.02
4.850	1.35	10.850	5.24	16.850	1.52	22.85	1.02
4.867	1.35	10.867	5.24	16.867	1.52	22.87	1.02
4.883	1.35	10.883	5.24	16.883	1.52	22.88	1.02
4.900	1.35	10.900	5.24	16.900	1.52	22.90	1.02
4.917	1.35	10.917	5.24	16.917	1.52	22.92	1.02
4.933	1.35	10.933	5.24	16.933	1.52	22.93	1.02
4.950	1.35	10.950	5.24	16.950	1.52	22.95	1.02
4.967	1.35	10.967	5.24	16.967	1.52	22.97	1.02
4.983	1.35	10.983	5.24	16.983	1.52	22.98	1.02
5.000	1.35	11.000	5.25	17.000	1.52	23.00	1.02
5.017	1.35	11.017	8.12	17.017	1.52	23.02	1.02
5.033	1.35	11.033	8.12	17.033	1.52	23.03	1.02
5.050	1.35	11.050	8.12	17.050	1.52	23.05	1.02
5.067	1.35	11.067	8.12	17.067	1.52	23.07	1.02
5.083	1.35	11.083	8.12	17.083	1.52	23.08	1.02
5.100	1.35	11.100	8.12	17.100	1.52	23.10	1.02
5.117	1.35	11.117	8.12	17.117	1.52	23.12	1.02
5.133	1.35	11.133	8.12	17.133	1.52	23.13	1.02
5.150	1.35	11.150	8.12	17.150	1.52	23.15	1.02
5.167	1.35	11.167	8.12	17.167	1.52	23.17	1.02
5.183	1.35	11.183	8.12	17.183	1.52	23.18	1.02
5.200	1.35	11.200	8.12	17.200	1.52	23.20	1.02
5.217	1.35	11.217	8.12	17.217	1.52	23.22	1.02
5.233	1.35	11.233	8.12	17.233	1.52	23.23	1.02
5.250	1.35	11.250	8.12	17.250	1.52	23.25	1.02
5.267	1.35	11.267	8.12	17.267	1.52	23.27	1.02
5.283	1.35	11.283	8.12	17.283	1.52	23.28	1.02
5.300	1.35	11.300	8.12	17.300	1.52	23.30	1.02
5.317	1.35	11.317	8.12	17.317	1.52	23.32	1.02
5.333	1.35	11.333	8.12	17.333	1.52	23.33	1.02
5.350	1.35	11.350	8.12	17.350	1.52	23.35	1.02
5.367	1.35	11.367	8.12	17.367	1.52	23.37	1.02
5.383	1.35	11.383	8.12	17.383	1.52	23.38	1.02
5.400	1.35	11.400	8.12	17.400	1.52	23.40	1.02

5.417	1.35	11.417	8.12	17.417	1.52	23.42	1.02
5.433	1.35	11.433	8.12	17.433	1.52	23.43	1.02
5.450	1.35	11.450	8.12	17.450	1.52	23.45	1.02
5.467	1.35	11.467	8.12	17.467	1.52	23.47	1.02
5.483	1.35	11.483	8.12	17.483	1.52	23.48	1.02
5.500	1.35	11.500	8.12	17.500	1.52	23.50	1.02
5.517	1.35	11.517	25.03	17.517	1.52	23.52	1.02
5.533	1.35	11.533	25.04	17.533	1.52	23.53	1.02
5.550	1.35	11.550	25.04	17.550	1.52	23.55	1.02
5.567	1.35	11.567	25.04	17.567	1.52	23.57	1.02
5.583	1.35	11.583	25.04	17.583	1.52	23.58	1.02
5.600	1.35	11.600	25.04	17.600	1.52	23.60	1.02
5.617	1.35	11.617	25.04	17.617	1.52	23.62	1.02
5.633	1.35	11.633	25.04	17.633	1.52	23.63	1.02
5.650	1.35	11.650	25.04	17.650	1.52	23.65	1.02
5.667	1.35	11.667	25.04	17.667	1.52	23.67	1.02
5.683	1.35	11.683	25.04	17.683	1.52	23.68	1.02
5.700	1.35	11.700	25.04	17.700	1.52	23.70	1.02
5.717	1.35	11.717	25.04	17.717	1.52	23.72	1.02
5.733	1.35	11.733	25.04	17.733	1.52	23.73	1.02
5.750	1.35	11.750	25.04	17.750	1.52	23.75	1.02
5.767	1.35	11.767	103.50	17.767	1.52	23.77	1.02
5.783	1.35	11.783	103.54	17.783	1.52	23.78	1.02
5.800	1.35	11.800	103.54	17.800	1.52	23.80	1.02
5.817	1.35	11.817	103.54	17.817	1.52	23.82	1.02
5.833	1.35	11.833	103.54	17.833	1.52	23.83	1.02
5.850	1.35	11.850	103.54	17.850	1.52	23.85	1.02
5.867	1.35	11.867	103.54	17.867	1.52	23.87	1.02
5.883	1.35	11.883	103.54	17.883	1.52	23.88	1.02
5.900	1.35	11.900	103.54	17.900	1.52	23.90	1.02
5.917	1.35	11.917	103.54	17.917	1.52	23.92	1.02
5.933	1.35	11.933	103.54	17.933	1.52	23.93	1.02
5.950	1.35	11.950	103.54	17.950	1.52	23.95	1.02
5.967	1.35	11.967	103.54	17.967	1.52	23.97	1.02
5.983	1.35	11.983	103.54	17.983	1.52	23.98	1.02
6.000	1.35	12.000	103.54	18.000	1.52	24.00	1.02

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.239 (i)
TIME TO PEAK (hrs)= 13.450
RUNOFF VOLUME (mm)= 13.881
TOTAL RAINFALL (mm)= 84.591
RUNOFF COEFFICIENT = 0.164

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0001)
ID= 1 DT= 1.0 min

Area (ha)= 1.18
Total Imp(%)= 22.00 Dir. Conn.(%)= 22.00

IMPERVIOUS PVIOUS (i)
Surface Area (ha)= 0.26 0.92
Dep. Storage (mm)= 2.00 5.00
Average Slope (%)= 1.00 2.00
Length (m)= 88.84 40.00
Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.93	6.017	1.52	12.017	12.24	18.02	1.52
0.033	0.93	6.033	1.52	12.033	12.18	18.03	1.52
0.050	0.93	6.050	1.52	12.050	12.18	18.05	1.52
0.067	0.93	6.067	1.52	12.067	12.18	18.07	1.52
0.083	0.93	6.083	1.52	12.083	12.18	18.08	1.52
0.100	0.93	6.100	1.52	12.100	12.18	18.10	1.52
0.117	0.93	6.117	1.52	12.117	12.18	18.12	1.52
0.133	0.93	6.133	1.52	12.133	12.18	18.13	1.52
0.150	0.93	6.150	1.52	12.150	12.18	18.15	1.52
0.167	0.93	6.167	1.52	12.167	12.18	18.17	1.52
0.183	0.93	6.183	1.52	12.183	12.18	18.18	1.52
0.200	0.93	6.200	1.52	12.200	12.18	18.20	1.52
0.217	0.93	6.217	1.52	12.217	12.18	18.22	1.52
0.233	0.93	6.233	1.52	12.233	12.18	18.23	1.52
0.250	0.93	6.250	1.52	12.250	12.18	18.25	1.52
0.267	0.93	6.267	1.52	12.267	12.18	18.27	1.52
0.283	0.93	6.283	1.52	12.283	12.18	18.28	1.52
0.300	0.93	6.300	1.52	12.300	12.18	18.30	1.52

0.317	0.93	6.317	1.52	12.317	12.18	18.32	1.52
0.333	0.93	6.333	1.52	12.333	12.18	18.33	1.52
0.350	0.93	6.350	1.52	12.350	12.18	18.35	1.52
0.367	0.93	6.367	1.52	12.367	12.18	18.37	1.52
0.383	0.93	6.383	1.52	12.383	12.18	18.38	1.52
0.400	0.93	6.400	1.52	12.400	12.18	18.40	1.52
0.417	0.93	6.417	1.52	12.417	12.18	18.42	1.52
0.433	0.93	6.433	1.52	12.433	12.18	18.43	1.52
0.450	0.93	6.450	1.52	12.450	12.18	18.45	1.52
0.467	0.93	6.467	1.52	12.467	12.18	18.47	1.52
0.483	0.93	6.483	1.52	12.483	12.18	18.48	1.52
0.500	0.93	6.500	1.52	12.500	12.18	18.50	1.52
0.517	0.93	6.517	1.52	12.517	6.27	18.52	1.52
0.533	0.93	6.533	1.52	12.533	6.26	18.53	1.52
0.550	0.93	6.550	1.52	12.550	6.26	18.55	1.52
0.567	0.93	6.567	1.52	12.567	6.26	18.57	1.52
0.583	0.93	6.583	1.52	12.583	6.26	18.58	1.52
0.600	0.93	6.600	1.52	12.600	6.26	18.60	1.52
0.617	0.93	6.617	1.52	12.617	6.26	18.62	1.52
0.633	0.93	6.633	1.52	12.633	6.26	18.63	1.52
0.650	0.93	6.650	1.52	12.650	6.26	18.65	1.52
0.667	0.93	6.667	1.52	12.667	6.26	18.67	1.52
0.683	0.93	6.683	1.52	12.683	6.26	18.68	1.52
0.700	0.93	6.700	1.52	12.700	6.26	18.70	1.52
0.717	0.93	6.717	1.52	12.717	6.26	18.72	1.52
0.733	0.93	6.733	1.52	12.733	6.26	18.73	1.52
0.750	0.93	6.750	1.52	12.750	6.26	18.75	1.52
0.767	0.93	6.767	1.52	12.767	6.26	18.77	1.52
0.783	0.93	6.783	1.52	12.783	6.26	18.78	1.52
0.800	0.93	6.800	1.52	12.800	6.26	18.80	1.52
0.817	0.93	6.817	1.52	12.817	6.26	18.82	1.52
0.833	0.93	6.833	1.52	12.833	6.26	18.83	1.52
0.850	0.93	6.850	1.52	12.850	6.26	18.85	1.52
0.867	0.93	6.867	1.52	12.867	6.26	18.87	1.52
0.883	0.93	6.883	1.52	12.883	6.26	18.88	1.52
0.900	0.93	6.900	1.52	12.900	6.26	18.90	1.52
0.917	0.93	6.917	1.52	12.917	6.26	18.92	1.52
0.933	0.93	6.933	1.52	12.933	6.26	18.93	1.52
0.950	0.93	6.950	1.52	12.950	6.26	18.95	1.52
0.967	0.93	6.967	1.52	12.967	6.26	18.97	1.52
0.983	0.93	6.983	1.52	12.983	6.26	18.98	1.52
1.000	0.93	7.000	1.52	13.000	6.26	19.00	1.52
1.017	0.93	7.017	1.86	13.017	4.57	19.02	1.52
1.033	0.93	7.033	1.86	13.033	4.57	19.03	1.52
1.050	0.93	7.050	1.86	13.050	4.57	19.05	1.52
1.067	0.93	7.067	1.86	13.067	4.57	19.07	1.52
1.083	0.93	7.083	1.86	13.083	4.57	19.08	1.52
1.100	0.93	7.100	1.86	13.100	4.57	19.10	1.52
1.117	0.93	7.117	1.86	13.117	4.57	19.12	1.52
1.133	0.93	7.133	1.86	13.133	4.57	19.13	1.52
1.150	0.93	7.150	1.86	13.150	4.57	19.15	1.52
1.167	0.93	7.167	1.86	13.167	4.57	19.17	1.52
1.183	0.93	7.183	1.86	13.183	4.57	19.18	1.52
1.200	0.93	7.200	1.86	13.200	4.57	19.20	1.52
1.217	0.93	7.217	1.86	13.217	4.57	19.22	1.52
1.233	0.93	7.233	1.86	13.233	4.57	19.23	1.52
1.250	0.93	7.250	1.86	13.250	4.57	19.25	1.52
1.267	0.93	7.267	1.86	13.267	4.57	19.27	1.52
1.283	0.93	7.283	1.86	13.283	4.57	19.28	1.52
1.300	0.93	7.300	1.86	13.300	4.57	19.30	1.52
1.317	0.93	7.317	1.86	13.317	4.57	19.32	1.52
1.333	0.93	7.333	1.86	13.333	4.57	19.33	1.52
1.350	0.93	7.350	1.86	13.350	4.57	19.35	1.52
1.367	0.93	7.367	1.86	13.367	4.57	19.37	1.52
1.383	0.93	7.383	1.86	13.383	4.57	19.38	1.52
1.400	0.93	7.400	1.86	13.400	4.57	19.40	1.52
1.417	0.93	7.417	1.86	13.417	4.57	19.42	1.52
1.433	0.93	7.433	1.86	13.433	4.57	19.43	1.52
1.450	0.93	7.450	1.86	13.450	4.57	19.45	1.52
1.467	0.93	7.467	1.86	13.467	4.57	19.47	1.52
1.483	0.93	7.483	1.86	13.483	4.57	19.48	1.52
1.500	0.93	7.500	1.86	13.500	4.57	19.50	1.52
1.517	0.93	7.517	1.86	13.517	3.55	19.52	1.52
1.533	0.93	7.533	1.86	13.533	3.55	19.53	1.52
1.550	0.93	7.550	1.86	13.550	3.55	19.55	1.52
1.567	0.93	7.567	1.86	13.567	3.55	19.57	1.52
1.583	0.93	7.583	1.86	13.583	3.55	19.58	1.52
1.600	0.93	7.600	1.86	13.600	3.55	19.60	1.52
1.617	0.93	7.617	1.86	13.617	3.55	19.62	1.52
1.633	0.93	7.633	1.86	13.633	3.55	19.63	1.52
1.650	0.93	7.650	1.86	13.650	3.55	19.65	1.52
1.667	0.93	7.667	1.86	13.667	3.55	19.67	1.52
1.683	0.93	7.683	1.86	13.683	3.55	19.68	1.52
1.700	0.93	7.700	1.86	13.700	3.55	19.70	1.52

1.717	0.93	7.717	1.86	13.717	3.55	19.72	1.52
1.733	0.93	7.733	1.86	13.733	3.55	19.73	1.52
1.750	0.93	7.750	1.86	13.750	3.55	19.75	1.52
1.767	0.93	7.767	1.86	13.767	3.55	19.77	1.52
1.783	0.93	7.783	1.86	13.783	3.55	19.78	1.52
1.800	0.93	7.800	1.86	13.800	3.55	19.80	1.52
1.817	0.93	7.817	1.86	13.817	3.55	19.82	1.52
1.833	0.93	7.833	1.86	13.833	3.55	19.83	1.52
1.850	0.93	7.850	1.86	13.850	3.55	19.85	1.52
1.867	0.93	7.867	1.86	13.867	3.55	19.87	1.52
1.883	0.93	7.883	1.86	13.883	3.55	19.88	1.52
1.900	0.93	7.900	1.86	13.900	3.55	19.90	1.52
1.917	0.93	7.917	1.86	13.917	3.55	19.92	1.52
1.933	0.93	7.933	1.86	13.933	3.55	19.93	1.52
1.950	0.93	7.950	1.86	13.950	3.55	19.95	1.52
1.967	0.93	7.967	1.86	13.967	3.55	19.97	1.52
1.983	0.93	7.983	1.86	13.983	3.55	19.98	1.52
2.000	0.93	8.000	1.86	14.000	3.55	20.00	1.52
2.017	1.10	8.017	2.20	14.017	2.54	20.02	1.02
2.033	1.10	8.033	2.20	14.033	2.54	20.03	1.02
2.050	1.10	8.050	2.20	14.050	2.54	20.05	1.02
2.067	1.10	8.067	2.20	14.067	2.54	20.07	1.02
2.083	1.10	8.083	2.20	14.083	2.54	20.08	1.02
2.100	1.10	8.100	2.20	14.100	2.54	20.10	1.02
2.117	1.10	8.117	2.20	14.117	2.54	20.12	1.02
2.133	1.10	8.133	2.20	14.133	2.54	20.13	1.02
2.150	1.10	8.150	2.20	14.150	2.54	20.15	1.02
2.167	1.10	8.167	2.20	14.167	2.54	20.17	1.02
2.183	1.10	8.183	2.20	14.183	2.54	20.18	1.02
2.200	1.10	8.200	2.20	14.200	2.54	20.20	1.02
2.217	1.10	8.217	2.20	14.217	2.54	20.22	1.02
2.233	1.10	8.233	2.20	14.233	2.54	20.23	1.02
2.250	1.10	8.250	2.20	14.250	2.54	20.25	1.02
2.267	1.10	8.267	2.20	14.267	2.54	20.27	1.02
2.283	1.10	8.283	2.20	14.283	2.54	20.28	1.02
2.300	1.10	8.300	2.20	14.300	2.54	20.30	1.02
2.317	1.10	8.317	2.20	14.317	2.54	20.32	1.02
2.333	1.10	8.333	2.20	14.333	2.54	20.33	1.02
2.350	1.10	8.350	2.20	14.350	2.54	20.35	1.02
2.367	1.10	8.367	2.20	14.367	2.54	20.37	1.02
2.383	1.10	8.383	2.20	14.383	2.54	20.38	1.02
2.400	1.10	8.400	2.20	14.400	2.54	20.40	1.02
2.417	1.10	8.417	2.20	14.417	2.54	20.42	1.02
2.433	1.10	8.433	2.20	14.433	2.54	20.43	1.02
2.450	1.10	8.450	2.20	14.450	2.54	20.45	1.02
2.467	1.10	8.467	2.20	14.467	2.54	20.47	1.02
2.483	1.10	8.483	2.20	14.483	2.54	20.48	1.02
2.500	1.10	8.500	2.20	14.500	2.54	20.50	1.02
2.517	1.10	8.517	2.37	14.517	2.54	20.52	1.02
2.533	1.10	8.533	2.37	14.533	2.54	20.53	1.02
2.550	1.10	8.550	2.37	14.550	2.54	20.55	1.02
2.567	1.10	8.567	2.37	14.567	2.54	20.57	1.02
2.583	1.10	8.583	2.37	14.583	2.54	20.58	1.02
2.600	1.10	8.600	2.37	14.600	2.54	20.60	1.02
2.617	1.10	8.617	2.37	14.617	2.54	20.62	1.02
2.633	1.10	8.633	2.37	14.633	2.54	20.63	1.02
2.650	1.10	8.650	2.37	14.650	2.54	20.65	1.02
2.667	1.10	8.667	2.37	14.667	2.54	20.67	1.02
2.683	1.10	8.683	2.37	14.683	2.54	20.68	1.02
2.700	1.10	8.700	2.37	14.700	2.54	20.70	1.02
2.717	1.10	8.717	2.37	14.717	2.54	20.72	1.02
2.733	1.10	8.733	2.37	14.733	2.54	20.73	1.02
2.750	1.10	8.750	2.37	14.750	2.54	20.75	1.02
2.767	1.10	8.767	2.37	14.767	2.54	20.77	1.02
2.783	1.10	8.783	2.37	14.783	2.54	20.78	1.02
2.800	1.10	8.800	2.37	14.800	2.54	20.80	1.02
2.817	1.10	8.817	2.37	14.817	2.54	20.82	1.02
2.833	1.10	8.833	2.37	14.833	2.54	20.83	1.02
2.850	1.10	8.850	2.37	14.850	2.54	20.85	1.02
2.867	1.10	8.867	2.37	14.867	2.54	20.87	1.02
2.883	1.10	8.883	2.37	14.883	2.54	20.88	1.02
2.900	1.10	8.900	2.37	14.900	2.54	20.90	1.02
2.917	1.10	8.917	2.37	14.917	2.54	20.92	1.02
2.933	1.10	8.933	2.37	14.933	2.54	20.93	1.02
2.950	1.10	8.950	2.37	14.950	2.54	20.95	1.02
2.967	1.10	8.967	2.37	14.967	2.54	20.97	1.02
2.983	1.10	8.983	2.37	14.983	2.54	20.98	1.02
3.000	1.10	9.000	2.37	15.000	2.54	21.00	1.02
3.017	1.10	9.017	2.71	15.017	2.54	21.02	1.02
3.033	1.10	9.033	2.71	15.033	2.54	21.03	1.02
3.050	1.10	9.050	2.71	15.050	2.54	21.05	1.02
3.067	1.10	9.067	2.71	15.067	2.54	21.07	1.02
3.083	1.10	9.083	2.71	15.083	2.54	21.08	1.02
3.100	1.10	9.100	2.71	15.100	2.54	21.10	1.02

3.117	1.10	9.117	2.71	15.117	2.54	21.12	1.02
3.133	1.10	9.133	2.71	15.133	2.54	21.13	1.02
3.150	1.10	9.150	2.71	15.150	2.54	21.15	1.02
3.167	1.10	9.167	2.71	15.167	2.54	21.17	1.02
3.183	1.10	9.183	2.71	15.183	2.54	21.18	1.02
3.200	1.10	9.200	2.71	15.200	2.54	21.20	1.02
3.217	1.10	9.217	2.71	15.217	2.54	21.22	1.02
3.233	1.10	9.233	2.71	15.233	2.54	21.23	1.02
3.250	1.10	9.250	2.71	15.250	2.54	21.25	1.02
3.267	1.10	9.267	2.71	15.267	2.54	21.27	1.02
3.283	1.10	9.283	2.71	15.283	2.54	21.28	1.02
3.300	1.10	9.300	2.71	15.300	2.54	21.30	1.02
3.317	1.10	9.317	2.71	15.317	2.54	21.32	1.02
3.333	1.10	9.333	2.71	15.333	2.54	21.33	1.02
3.350	1.10	9.350	2.71	15.350	2.54	21.35	1.02
3.367	1.10	9.367	2.71	15.367	2.54	21.37	1.02
3.383	1.10	9.383	2.71	15.383	2.54	21.38	1.02
3.400	1.10	9.400	2.71	15.400	2.54	21.40	1.02
3.417	1.10	9.417	2.71	15.417	2.54	21.42	1.02
3.433	1.10	9.433	2.71	15.433	2.54	21.43	1.02
3.450	1.10	9.450	2.71	15.450	2.54	21.45	1.02
3.467	1.10	9.467	2.71	15.467	2.54	21.47	1.02
3.483	1.10	9.483	2.71	15.483	2.54	21.48	1.02
3.500	1.10	9.500	2.71	15.500	2.54	21.50	1.02
3.517	1.10	9.517	3.05	15.517	2.54	21.52	1.02
3.533	1.10	9.533	3.05	15.533	2.54	21.53	1.02
3.550	1.10	9.550	3.05	15.550	2.54	21.55	1.02
3.567	1.10	9.567	3.05	15.567	2.54	21.57	1.02
3.583	1.10	9.583	3.05	15.583	2.54	21.58	1.02
3.600	1.10	9.600	3.05	15.600	2.54	21.60	1.02
3.617	1.10	9.617	3.05	15.617	2.54	21.62	1.02
3.633	1.10	9.633	3.05	15.633	2.54	21.63	1.02
3.650	1.10	9.650	3.05	15.650	2.54	21.65	1.02
3.667	1.10	9.667	3.05	15.667	2.54	21.67	1.02
3.683	1.10	9.683	3.05	15.683	2.54	21.68	1.02
3.700	1.10	9.700	3.05	15.700	2.54	21.70	1.02
3.717	1.10	9.717	3.05	15.717	2.54	21.72	1.02
3.733	1.10	9.733	3.05	15.733	2.54	21.73	1.02
3.750	1.10	9.750	3.05	15.750	2.54	21.75	1.02
3.767	1.10	9.767	3.05	15.767	2.54	21.77	1.02
3.783	1.10	9.783	3.05	15.783	2.54	21.78	1.02
3.800	1.10	9.800	3.05	15.800	2.54	21.80	1.02
3.817	1.10	9.817	3.05	15.817	2.54	21.82	1.02
3.833	1.10	9.833	3.05	15.833	2.54	21.83	1.02
3.850	1.10	9.850	3.05	15.850	2.54	21.85	1.02
3.867	1.10	9.867	3.05	15.867	2.54	21.87	1.02
3.883	1.10	9.883	3.05	15.883	2.54	21.88	1.02
3.900	1.10	9.900	3.05	15.900	2.54	21.90	1.02
3.917	1.10	9.917	3.05	15.917	2.54	21.92	1.02
3.933	1.10	9.933	3.05	15.933	2.54	21.93	1.02
3.950	1.10	9.950	3.05	15.950	2.54	21.95	1.02
3.967	1.10	9.967	3.05	15.967	2.54	21.97	1.02
3.983	1.10	9.983	3.05	15.983	2.54	21.98	1.02
4.000	1.10	10.000	3.05	16.000	2.54	22.00	1.02
4.017	1.35	10.017	3.89	16.017	1.52	22.02	1.02
4.033	1.35	10.033	3.89	16.033	1.52	22.03	1.02
4.050	1.35	10.050	3.89	16.050	1.52	22.05	1.02
4.067	1.35	10.067	3.89	16.067	1.52	22.07	1.02
4.083	1.35	10.083	3.89	16.083	1.52	22.08	1.02
4.100	1.35	10.100	3.89	16.100	1.52	22.10	1.02
4.117	1.35	10.117	3.89	16.117	1.52	22.12	1.02
4.133	1.35	10.133	3.89	16.133	1.52	22.13	1.02
4.150	1.35	10.150	3.89	16.150	1.52	22.15	1.02
4.167	1.35	10.167	3.89	16.167	1.52	22.17	1.02
4.183	1.35	10.183	3.89	16.183	1.52	22.18	1.02
4.200	1.35	10.200	3.89	16.200	1.52	22.20	1.02
4.217	1.35	10.217	3.89	16.217	1.52	22.22	1.02
4.233	1.35	10.233	3.89	16.233	1.52	22.23	1.02
4.250	1.35	10.250	3.89	16.250	1.52	22.25	1.02
4.267	1.35	10.267	3.89	16.267	1.52	22.27	1.02
4.283	1.35	10.283	3.89	16.283	1.52	22.28	1.02
4.300	1.35	10.300	3.89	16.300	1.52	22.30	1.02
4.317	1.35	10.317	3.89	16.317	1.52	22.32	1.02
4.333	1.35	10.333	3.89	16.333	1.52	22.33	1.02
4.350	1.35	10.350	3.89	16.350	1.52	22.35	1.02
4.367	1.35	10.367	3.89	16.367	1.52	22.37	1.02
4.383	1.35	10.383	3.89	16.383	1.52	22.38	1.02
4.400	1.35	10.400	3.89	16.400	1.52	22.40	1.02
4.417	1.35	10.417	3.89	16.417	1.52	22.42	1.02
4.433	1.35	10.433	3.89	16.433	1.52	22.43	1.02
4.450	1.35	10.450	3.89	16.450	1.52	22.45	1.02
4.467	1.35	10.467	3.89	16.467	1.52	22.47	1.02
4.483	1.35	10.483	3.89	16.483	1.52	22.48	1.02
4.500	1.35	10.500	3.89	16.500	1.52	22.50	1.02

4.517	1.35	10.517	5.24	16.517	1.52	22.52	1.02
4.533	1.35	10.533	5.24	16.533	1.52	22.53	1.02
4.550	1.35	10.550	5.24	16.550	1.52	22.55	1.02
4.567	1.35	10.567	5.24	16.567	1.52	22.57	1.02
4.583	1.35	10.583	5.24	16.583	1.52	22.58	1.02
4.600	1.35	10.600	5.24	16.600	1.52	22.60	1.02
4.617	1.35	10.617	5.24	16.617	1.52	22.62	1.02
4.633	1.35	10.633	5.24	16.633	1.52	22.63	1.02
4.650	1.35	10.650	5.24	16.650	1.52	22.65	1.02
4.667	1.35	10.667	5.24	16.667	1.52	22.67	1.02
4.683	1.35	10.683	5.24	16.683	1.52	22.68	1.02
4.700	1.35	10.700	5.24	16.700	1.52	22.70	1.02
4.717	1.35	10.717	5.24	16.717	1.52	22.72	1.02
4.733	1.35	10.733	5.24	16.733	1.52	22.73	1.02
4.750	1.35	10.750	5.24	16.750	1.52	22.75	1.02
4.767	1.35	10.767	5.24	16.767	1.52	22.77	1.02
4.783	1.35	10.783	5.24	16.783	1.52	22.78	1.02
4.800	1.35	10.800	5.24	16.800	1.52	22.80	1.02
4.817	1.35	10.817	5.24	16.817	1.52	22.82	1.02
4.833	1.35	10.833	5.24	16.833	1.52	22.83	1.02
4.850	1.35	10.850	5.24	16.850	1.52	22.85	1.02
4.867	1.35	10.867	5.24	16.867	1.52	22.87	1.02
4.883	1.35	10.883	5.24	16.883	1.52	22.88	1.02
4.900	1.35	10.900	5.24	16.900	1.52	22.90	1.02
4.917	1.35	10.917	5.24	16.917	1.52	22.92	1.02
4.933	1.35	10.933	5.24	16.933	1.52	22.93	1.02
4.950	1.35	10.950	5.24	16.950	1.52	22.95	1.02
4.967	1.35	10.967	5.24	16.967	1.52	22.97	1.02
4.983	1.35	10.983	5.24	16.983	1.52	22.98	1.02
5.000	1.35	11.000	5.25	17.000	1.52	23.00	1.02
5.017	1.35	11.017	8.12	17.017	1.52	23.02	1.02
5.033	1.35	11.033	8.12	17.033	1.52	23.03	1.02
5.050	1.35	11.050	8.12	17.050	1.52	23.05	1.02
5.067	1.35	11.067	8.12	17.067	1.52	23.07	1.02
5.083	1.35	11.083	8.12	17.083	1.52	23.08	1.02
5.100	1.35	11.100	8.12	17.100	1.52	23.10	1.02
5.117	1.35	11.117	8.12	17.117	1.52	23.12	1.02
5.133	1.35	11.133	8.12	17.133	1.52	23.13	1.02
5.150	1.35	11.150	8.12	17.150	1.52	23.15	1.02
5.167	1.35	11.167	8.12	17.167	1.52	23.17	1.02
5.183	1.35	11.183	8.12	17.183	1.52	23.18	1.02
5.200	1.35	11.200	8.12	17.200	1.52	23.20	1.02
5.217	1.35	11.217	8.12	17.217	1.52	23.22	1.02
5.233	1.35	11.233	8.12	17.233	1.52	23.23	1.02
5.250	1.35	11.250	8.12	17.250	1.52	23.25	1.02
5.267	1.35	11.267	8.12	17.267	1.52	23.27	1.02
5.283	1.35	11.283	8.12	17.283	1.52	23.28	1.02
5.300	1.35	11.300	8.12	17.300	1.52	23.30	1.02
5.317	1.35	11.317	8.12	17.317	1.52	23.32	1.02
5.333	1.35	11.333	8.12	17.333	1.52	23.33	1.02
5.350	1.35	11.350	8.12	17.350	1.52	23.35	1.02
5.367	1.35	11.367	8.12	17.367	1.52	23.37	1.02
5.383	1.35	11.383	8.12	17.383	1.52	23.38	1.02
5.400	1.35	11.400	8.12	17.400	1.52	23.40	1.02
5.417	1.35	11.417	8.12	17.417	1.52	23.42	1.02
5.433	1.35	11.433	8.12	17.433	1.52	23.43	1.02
5.450	1.35	11.450	8.12	17.450	1.52	23.45	1.02
5.467	1.35	11.467	8.12	17.467	1.52	23.47	1.02
5.483	1.35	11.483	8.12	17.483	1.52	23.48	1.02
5.500	1.35	11.500	8.12	17.500	1.52	23.50	1.02
5.517	1.35	11.517	25.03	17.517	1.52	23.52	1.02
5.533	1.35	11.533	25.04	17.533	1.52	23.53	1.02
5.550	1.35	11.550	25.04	17.550	1.52	23.55	1.02
5.567	1.35	11.567	25.04	17.567	1.52	23.57	1.02
5.583	1.35	11.583	25.04	17.583	1.52	23.58	1.02
5.600	1.35	11.600	25.04	17.600	1.52	23.60	1.02
5.617	1.35	11.617	25.04	17.617	1.52	23.62	1.02
5.633	1.35	11.633	25.04	17.633	1.52	23.63	1.02
5.650	1.35	11.650	25.04	17.650	1.52	23.65	1.02
5.667	1.35	11.667	25.04	17.667	1.52	23.67	1.02
5.683	1.35	11.683	25.04	17.683	1.52	23.68	1.02
5.700	1.35	11.700	25.04	17.700	1.52	23.70	1.02
5.717	1.35	11.717	25.04	17.717	1.52	23.72	1.02
5.733	1.35	11.733	25.04	17.733	1.52	23.73	1.02
5.750	1.35	11.750	25.04	17.750	1.52	23.75	1.02
5.767	1.35	11.767	103.50	17.767	1.52	23.77	1.02
5.783	1.35	11.783	103.54	17.783	1.52	23.78	1.02
5.800	1.35	11.800	103.54	17.800	1.52	23.80	1.02
5.817	1.35	11.817	103.54	17.817	1.52	23.82	1.02
5.833	1.35	11.833	103.54	17.833	1.52	23.83	1.02
5.850	1.35	11.850	103.54	17.850	1.52	23.85	1.02
5.867	1.35	11.867	103.54	17.867	1.52	23.87	1.02
5.883	1.35	11.883	103.54	17.883	1.52	23.88	1.02
5.900	1.35	11.900	103.54	17.900	1.52	23.90	1.02

5.917	1.35	11.917	103.54	17.917	1.52	23.92	1.02
5.933	1.35	11.933	103.54	17.933	1.52	23.93	1.02
5.950	1.35	11.950	103.54	17.950	1.52	23.95	1.02
5.967	1.35	11.967	103.54	17.967	1.52	23.97	1.02
5.983	1.35	11.983	103.54	17.983	1.52	23.98	1.02
6.000	1.35	12.000	103.54	18.000	1.52	24.00	1.02

Max.Eff.Inten.(mm/hr)= 103.54 30.09
over (min) 5.00 14.00
Storage Coeff. (min)= 2.35 (ii) 13.76 (ii)
Unit Hyd. Tpeak (min)= 5.00 14.00
Unit Hyd. peak (cms)= 0.35 0.08

TOTALS

PEAK FLOW (cms)= 0.07 0.04 0.107 (iii)
TIME TO PEAK (hrs)= 12.00 12.13 12.02
RUNOFF VOLUME (mm)= 82.59 21.40 34.86
TOTAL RAINFALL (mm)= 84.59 84.59 84.59
RUNOFF COEFFICIENT = 0.98 0.25 0.41

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0001):	1.18	0.107	12.02	34.86
+ ID2= 2 (0003):	19.20	0.239	13.45	13.88
ID = 3 (0005):	20.39	0.248	13.43	20.97

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:4.4 SCS II 24hr 25yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData Local\Temp\ 6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\bcfe1e71
Ptotal= 98.78 mm	Comments: SCS 24 HOUR TYPE II STORM DISTRIBUTION 1
	Duration of storm = 24.00 hrs Mass curve time step = 15.00 min

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	1.09	6.00	1.78	12.00	14.22	18.00	1.78
0.25	1.09	6.25	1.78	12.25	14.22	18.25	1.78
0.50	1.09	6.50	1.78	12.50	7.31	18.50	1.78
0.75	1.09	6.75	1.78	12.75	7.31	18.75	1.78
1.00	1.09	7.00	2.17	13.00	5.33	19.00	1.78
1.25	1.09	7.25	2.17	13.25	5.33	19.25	1.78
1.50	1.09	7.50	2.17	13.50	4.15	19.50	1.78
1.75	1.09	7.75	2.17	13.75	4.15	19.75	1.78
2.00	1.28	8.00	2.57	14.00	2.96	20.00	1.19
2.25	1.28	8.25	2.57	14.25	2.96	20.25	1.19
2.50	1.28	8.50	2.77	14.50	2.96	20.50	1.19
2.75	1.28	8.75	2.77	14.75	2.96	20.75	1.19
3.00	1.28	9.00	3.16	15.00	2.96	21.00	1.19
3.25	1.28	9.25	3.16	15.25	2.96	21.25	1.19
3.50	1.28	9.50	3.56	15.50	2.96	21.50	1.19
3.75	1.28	9.75	3.56	15.75	2.96	21.75	1.19
4.00	1.58	10.00	4.54	16.00	1.78	22.00	1.19
4.25	1.58	10.25	4.54	16.25	1.78	22.25	1.19
4.50	1.58	10.50	6.12	16.50	1.78	22.50	1.19
4.75	1.58	10.75	6.12	16.75	1.78	22.75	1.19
5.00	1.58	11.00	9.48	17.00	1.78	23.00	1.19
5.25	1.58	11.25	9.48	17.25	1.78	23.25	1.19
5.50	1.58	11.50	29.24	17.50	1.78	23.50	1.19
5.75	1.58	11.75	120.91	17.75	1.78	23.75	1.19

CALIB	Area (ha)= 19.20	Curve Number (CN)= 55.0
NASHYD (0003)	Ia (mm)= 9.10	# of Linear Res.(N)= 3.00
ID= 1 DT= 1.0 min	U.H. Tp(hrs)= 1.32	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.09	6.017	1.78	12.017	14.30	18.02	1.78
0.033	1.09	6.033	1.78	12.033	14.22	18.03	1.78
0.050	1.09	6.050	1.78	12.050	14.22	18.05	1.78
0.067	1.09	6.067	1.78	12.067	14.22	18.07	1.78
0.083	1.09	6.083	1.78	12.083	14.22	18.08	1.78
0.100	1.09	6.100	1.78	12.100	14.22	18.10	1.78
0.117	1.09	6.117	1.78	12.117	14.22	18.12	1.78
0.133	1.09	6.133	1.78	12.133	14.22	18.13	1.78
0.150	1.09	6.150	1.78	12.150	14.22	18.15	1.78
0.167	1.09	6.167	1.78	12.167	14.22	18.17	1.78
0.183	1.09	6.183	1.78	12.183	14.22	18.18	1.78
0.200	1.09	6.200	1.78	12.200	14.22	18.20	1.78
0.217	1.09	6.217	1.78	12.217	14.22	18.22	1.78
0.233	1.09	6.233	1.78	12.233	14.22	18.23	1.78
0.250	1.09	6.250	1.78	12.250	14.22	18.25	1.78
0.267	1.09	6.267	1.78	12.267	14.22	18.27	1.78
0.283	1.09	6.283	1.78	12.283	14.22	18.28	1.78
0.300	1.09	6.300	1.78	12.300	14.22	18.30	1.78
0.317	1.09	6.317	1.78	12.317	14.22	18.32	1.78
0.333	1.09	6.333	1.78	12.333	14.22	18.33	1.78
0.350	1.09	6.350	1.78	12.350	14.22	18.35	1.78
0.367	1.09	6.367	1.78	12.367	14.22	18.37	1.78
0.383	1.09	6.383	1.78	12.383	14.22	18.38	1.78
0.400	1.09	6.400	1.78	12.400	14.22	18.40	1.78
0.417	1.09	6.417	1.78	12.417	14.22	18.42	1.78
0.433	1.09	6.433	1.78	12.433	14.22	18.43	1.78
0.450	1.09	6.450	1.78	12.450	14.22	18.45	1.78
0.467	1.09	6.467	1.78	12.467	14.22	18.47	1.78
0.483	1.09	6.483	1.78	12.483	14.22	18.48	1.78
0.500	1.09	6.500	1.78	12.500	14.22	18.50	1.78
0.517	1.09	6.517	1.78	12.517	7.32	18.52	1.78
0.533	1.09	6.533	1.78	12.533	7.31	18.53	1.78
0.550	1.09	6.550	1.78	12.550	7.31	18.55	1.78
0.567	1.09	6.567	1.78	12.567	7.31	18.57	1.78
0.583	1.09	6.583	1.78	12.583	7.31	18.58	1.78
0.600	1.09	6.600	1.78	12.600	7.31	18.60	1.78
0.617	1.09	6.617	1.78	12.617	7.31	18.62	1.78
0.633	1.09	6.633	1.78	12.633	7.31	18.63	1.78
0.650	1.09	6.650	1.78	12.650	7.31	18.65	1.78
0.667	1.09	6.667	1.78	12.667	7.31	18.67	1.78
0.683	1.09	6.683	1.78	12.683	7.31	18.68	1.78
0.700	1.09	6.700	1.78	12.700	7.31	18.70	1.78
0.717	1.09	6.717	1.78	12.717	7.31	18.72	1.78
0.733	1.09	6.733	1.78	12.733	7.31	18.73	1.78
0.750	1.09	6.750	1.78	12.750	7.31	18.75	1.78
0.767	1.09	6.767	1.78	12.767	7.31	18.77	1.78
0.783	1.09	6.783	1.78	12.783	7.31	18.78	1.78
0.800	1.09	6.800	1.78	12.800	7.31	18.80	1.78
0.817	1.09	6.817	1.78	12.817	7.31	18.82	1.78
0.833	1.09	6.833	1.78	12.833	7.31	18.83	1.78
0.850	1.09	6.850	1.78	12.850	7.31	18.85	1.78
0.867	1.09	6.867	1.78	12.867	7.31	18.87	1.78
0.883	1.09	6.883	1.78	12.883	7.31	18.88	1.78
0.900	1.09	6.900	1.78	12.900	7.31	18.90	1.78
0.917	1.09	6.917	1.78	12.917	7.31	18.92	1.78
0.933	1.09	6.933	1.78	12.933	7.31	18.93	1.78
0.950	1.09	6.950	1.78	12.950	7.31	18.95	1.78
0.967	1.09	6.967	1.78	12.967	7.31	18.97	1.78
0.983	1.09	6.983	1.78	12.983	7.31	18.98	1.78
1.000	1.09	7.000	1.78	13.000	7.31	19.00	1.78
1.017	1.09	7.017	2.17	13.017	5.34	19.02	1.78
1.033	1.09	7.033	2.17	13.033	5.33	19.03	1.78
1.050	1.09	7.050	2.17	13.050	5.33	19.05	1.78
1.067	1.09	7.067	2.17	13.067	5.33	19.07	1.78
1.083	1.09	7.083	2.17	13.083	5.33	19.08	1.78
1.100	1.09	7.100	2.17	13.100	5.33	19.10	1.78
1.117	1.09	7.117	2.17	13.117	5.33	19.12	1.78
1.133	1.09	7.133	2.17	13.133	5.33	19.13	1.78
1.150	1.09	7.150	2.17	13.150	5.33	19.15	1.78
1.167	1.09	7.167	2.17	13.167	5.33	19.17	1.78
1.183	1.09	7.183	2.17	13.183	5.33	19.18	1.78
1.200	1.09	7.200	2.17	13.200	5.33	19.20	1.78
1.217	1.09	7.217	2.17	13.217	5.33	19.22	1.78
1.233	1.09	7.233	2.17	13.233	5.33	19.23	1.78
1.250	1.09	7.250	2.17	13.250	5.33	19.25	1.78
1.267	1.09	7.267	2.17	13.267	5.33	19.27	1.78
1.283	1.09	7.283	2.17	13.283	5.33	19.28	1.78

1.300	1.09	7.300	2.17	13.300	5.33	19.30	1.78
1.317	1.09	7.317	2.17	13.317	5.33	19.32	1.78
1.333	1.09	7.333	2.17	13.333	5.33	19.33	1.78
1.350	1.09	7.350	2.17	13.350	5.33	19.35	1.78
1.367	1.09	7.367	2.17	13.367	5.33	19.37	1.78
1.383	1.09	7.383	2.17	13.383	5.33	19.38	1.78
1.400	1.09	7.400	2.17	13.400	5.33	19.40	1.78
1.417	1.09	7.417	2.17	13.417	5.33	19.42	1.78
1.433	1.09	7.433	2.17	13.433	5.33	19.43	1.78
1.450	1.09	7.450	2.17	13.450	5.33	19.45	1.78
1.467	1.09	7.467	2.17	13.467	5.33	19.47	1.78
1.483	1.09	7.483	2.17	13.483	5.33	19.48	1.78
1.500	1.09	7.500	2.17	13.500	5.33	19.50	1.78
1.517	1.09	7.517	2.17	13.517	4.15	19.52	1.78
1.533	1.09	7.533	2.17	13.533	4.15	19.53	1.78
1.550	1.09	7.550	2.17	13.550	4.15	19.55	1.78
1.567	1.09	7.567	2.17	13.567	4.15	19.57	1.78
1.583	1.09	7.583	2.17	13.583	4.15	19.58	1.78
1.600	1.09	7.600	2.17	13.600	4.15	19.60	1.78
1.617	1.09	7.617	2.17	13.617	4.15	19.62	1.78
1.633	1.09	7.633	2.17	13.633	4.15	19.63	1.78
1.650	1.09	7.650	2.17	13.650	4.15	19.65	1.78
1.667	1.09	7.667	2.17	13.667	4.15	19.67	1.78
1.683	1.09	7.683	2.17	13.683	4.15	19.68	1.78
1.700	1.09	7.700	2.17	13.700	4.15	19.70	1.78
1.717	1.09	7.717	2.17	13.717	4.15	19.72	1.78
1.733	1.09	7.733	2.17	13.733	4.15	19.73	1.78
1.750	1.09	7.750	2.17	13.750	4.15	19.75	1.78
1.767	1.09	7.767	2.17	13.767	4.15	19.77	1.78
1.783	1.09	7.783	2.17	13.783	4.15	19.78	1.78
1.800	1.09	7.800	2.17	13.800	4.15	19.80	1.78
1.817	1.09	7.817	2.17	13.817	4.15	19.82	1.78
1.833	1.09	7.833	2.17	13.833	4.15	19.83	1.78
1.850	1.09	7.850	2.17	13.850	4.15	19.85	1.78
1.867	1.09	7.867	2.17	13.867	4.15	19.87	1.78
1.883	1.09	7.883	2.17	13.883	4.15	19.88	1.78
1.900	1.09	7.900	2.17	13.900	4.15	19.90	1.78
1.917	1.09	7.917	2.17	13.917	4.15	19.92	1.78
1.933	1.09	7.933	2.17	13.933	4.15	19.93	1.78
1.950	1.09	7.950	2.17	13.950	4.15	19.95	1.78
1.967	1.09	7.967	2.17	13.967	4.15	19.97	1.78
1.983	1.09	7.983	2.17	13.983	4.15	19.98	1.78
2.000	1.09	8.000	2.17	14.000	4.15	20.00	1.78
2.017	1.28	8.017	2.57	14.017	2.97	20.02	1.19
2.033	1.28	8.033	2.57	14.033	2.96	20.03	1.19
2.050	1.28	8.050	2.57	14.050	2.96	20.05	1.19
2.067	1.28	8.067	2.57	14.067	2.96	20.07	1.19
2.083	1.28	8.083	2.57	14.083	2.96	20.08	1.19
2.100	1.28	8.100	2.57	14.100	2.96	20.10	1.19
2.117	1.28	8.117	2.57	14.117	2.96	20.12	1.19
2.133	1.28	8.133	2.57	14.133	2.96	20.13	1.19
2.150	1.28	8.150	2.57	14.150	2.96	20.15	1.19
2.167	1.28	8.167	2.57	14.167	2.96	20.17	1.19
2.183	1.28	8.183	2.57	14.183	2.96	20.18	1.19
2.200	1.28	8.200	2.57	14.200	2.96	20.20	1.19
2.217	1.28	8.217	2.57	14.217	2.96	20.22	1.19
2.233	1.28	8.233	2.57	14.233	2.96	20.23	1.19
2.250	1.28	8.250	2.57	14.250	2.96	20.25	1.19
2.267	1.28	8.267	2.57	14.267	2.96	20.27	1.19
2.283	1.28	8.283	2.57	14.283	2.96	20.28	1.19
2.300	1.28	8.300	2.57	14.300	2.96	20.30	1.19
2.317	1.28	8.317	2.57	14.317	2.96	20.32	1.19
2.333	1.28	8.333	2.57	14.333	2.96	20.33	1.19
2.350	1.28	8.350	2.57	14.350	2.96	20.35	1.19
2.367	1.28	8.367	2.57	14.367	2.96	20.37	1.19
2.383	1.28	8.383	2.57	14.383	2.96	20.38	1.19
2.400	1.28	8.400	2.57	14.400	2.96	20.40	1.19
2.417	1.28	8.417	2.57	14.417	2.96	20.42	1.19
2.433	1.28	8.433	2.57	14.433	2.96	20.43	1.19
2.450	1.28	8.450	2.57	14.450	2.96	20.45	1.19
2.467	1.28	8.467	2.57	14.467	2.96	20.47	1.19
2.483	1.28	8.483	2.57	14.483	2.96	20.48	1.19
2.500	1.28	8.500	2.57	14.500	2.96	20.50	1.19
2.517	1.28	8.517	2.77	14.517	2.96	20.52	1.19
2.533	1.28	8.533	2.77	14.533	2.96	20.53	1.19
2.550	1.28	8.550	2.77	14.550	2.96	20.55	1.19
2.567	1.28	8.567	2.77	14.567	2.96	20.57	1.19
2.583	1.28	8.583	2.77	14.583	2.96	20.58	1.19
2.600	1.28	8.600	2.77	14.600	2.96	20.60	1.19
2.617	1.28	8.617	2.77	14.617	2.96	20.62	1.19
2.633	1.28	8.633	2.77	14.633	2.96	20.63	1.19
2.650	1.28	8.650	2.77	14.650	2.96	20.65	1.19
2.667	1.28	8.667	2.77	14.667	2.96	20.67	1.19
2.683	1.28	8.683	2.77	14.683	2.96	20.68	1.19

2.700	1.28	8.700	2.77	14.700	2.96	20.70	1.19
2.717	1.28	8.717	2.77	14.717	2.96	20.72	1.19
2.733	1.28	8.733	2.77	14.733	2.96	20.73	1.19
2.750	1.28	8.750	2.77	14.750	2.96	20.75	1.19
2.767	1.28	8.767	2.77	14.767	2.96	20.77	1.19
2.783	1.28	8.783	2.77	14.783	2.96	20.78	1.19
2.800	1.28	8.800	2.77	14.800	2.96	20.80	1.19
2.817	1.28	8.817	2.77	14.817	2.96	20.82	1.19
2.833	1.28	8.833	2.77	14.833	2.96	20.83	1.19
2.850	1.28	8.850	2.77	14.850	2.96	20.85	1.19
2.867	1.28	8.867	2.77	14.867	2.96	20.87	1.19
2.883	1.28	8.883	2.77	14.883	2.96	20.88	1.19
2.900	1.28	8.900	2.77	14.900	2.96	20.90	1.19
2.917	1.28	8.917	2.77	14.917	2.96	20.92	1.19
2.933	1.28	8.933	2.77	14.933	2.96	20.93	1.19
2.950	1.28	8.950	2.77	14.950	2.96	20.95	1.19
2.967	1.28	8.967	2.77	14.967	2.96	20.97	1.19
2.983	1.28	8.983	2.77	14.983	2.96	20.98	1.19
3.000	1.28	9.000	2.77	15.000	2.96	21.00	1.19
3.017	1.28	9.017	3.16	15.017	2.96	21.02	1.19
3.033	1.28	9.033	3.16	15.033	2.96	21.03	1.19
3.050	1.28	9.050	3.16	15.050	2.96	21.05	1.19
3.067	1.28	9.067	3.16	15.067	2.96	21.07	1.19
3.083	1.28	9.083	3.16	15.083	2.96	21.08	1.19
3.100	1.28	9.100	3.16	15.100	2.96	21.10	1.19
3.117	1.28	9.117	3.16	15.117	2.96	21.12	1.19
3.133	1.28	9.133	3.16	15.133	2.96	21.13	1.19
3.150	1.28	9.150	3.16	15.150	2.96	21.15	1.19
3.167	1.28	9.167	3.16	15.167	2.96	21.17	1.19
3.183	1.28	9.183	3.16	15.183	2.96	21.18	1.19
3.200	1.28	9.200	3.16	15.200	2.96	21.20	1.19
3.217	1.28	9.217	3.16	15.217	2.96	21.22	1.19
3.233	1.28	9.233	3.16	15.233	2.96	21.23	1.19
3.250	1.28	9.250	3.16	15.250	2.96	21.25	1.19
3.267	1.28	9.267	3.16	15.267	2.96	21.27	1.19
3.283	1.28	9.283	3.16	15.283	2.96	21.28	1.19
3.300	1.28	9.300	3.16	15.300	2.96	21.30	1.19
3.317	1.28	9.317	3.16	15.317	2.96	21.32	1.19
3.333	1.28	9.333	3.16	15.333	2.96	21.33	1.19
3.350	1.28	9.350	3.16	15.350	2.96	21.35	1.19
3.367	1.28	9.367	3.16	15.367	2.96	21.37	1.19
3.383	1.28	9.383	3.16	15.383	2.96	21.38	1.19
3.400	1.28	9.400	3.16	15.400	2.96	21.40	1.19
3.417	1.28	9.417	3.16	15.417	2.96	21.42	1.19
3.433	1.28	9.433	3.16	15.433	2.96	21.43	1.19
3.450	1.28	9.450	3.16	15.450	2.96	21.45	1.19
3.467	1.28	9.467	3.16	15.467	2.96	21.47	1.19
3.483	1.28	9.483	3.16	15.483	2.96	21.48	1.19
3.500	1.28	9.500	3.16	15.500	2.96	21.50	1.19
3.517	1.28	9.517	3.56	15.517	2.96	21.52	1.19
3.533	1.28	9.533	3.56	15.533	2.96	21.53	1.19
3.550	1.28	9.550	3.56	15.550	2.96	21.55	1.19
3.567	1.28	9.567	3.56	15.567	2.96	21.57	1.19
3.583	1.28	9.583	3.56	15.583	2.96	21.58	1.19
3.600	1.28	9.600	3.56	15.600	2.96	21.60	1.19
3.617	1.28	9.617	3.56	15.617	2.96	21.62	1.19
3.633	1.28	9.633	3.56	15.633	2.96	21.63	1.19
3.650	1.28	9.650	3.56	15.650	2.96	21.65	1.19
3.667	1.28	9.667	3.56	15.667	2.96	21.67	1.19
3.683	1.28	9.683	3.56	15.683	2.96	21.68	1.19
3.700	1.28	9.700	3.56	15.700	2.96	21.70	1.19
3.717	1.28	9.717	3.56	15.717	2.96	21.72	1.19
3.733	1.28	9.733	3.56	15.733	2.96	21.73	1.19
3.750	1.28	9.750	3.56	15.750	2.96	21.75	1.19
3.767	1.28	9.767	3.56	15.767	2.96	21.77	1.19
3.783	1.28	9.783	3.56	15.783	2.96	21.78	1.19
3.800	1.28	9.800	3.56	15.800	2.96	21.80	1.19
3.817	1.28	9.817	3.56	15.817	2.96	21.82	1.19
3.833	1.28	9.833	3.56	15.833	2.96	21.83	1.19
3.850	1.28	9.850	3.56	15.850	2.96	21.85	1.19
3.867	1.28	9.867	3.56	15.867	2.96	21.87	1.19
3.883	1.28	9.883	3.56	15.883	2.96	21.88	1.19
3.900	1.28	9.900	3.56	15.900	2.96	21.90	1.19
3.917	1.28	9.917	3.56	15.917	2.96	21.92	1.19
3.933	1.28	9.933	3.56	15.933	2.96	21.93	1.19
3.950	1.28	9.950	3.56	15.950	2.96	21.95	1.19
3.967	1.28	9.967	3.56	15.967	2.96	21.97	1.19
3.983	1.28	9.983	3.56	15.983	2.96	21.98	1.19
4.000	1.28	10.000	3.56	16.000	2.96	22.00	1.19
4.017	1.58	10.017	4.54	16.017	1.78	22.02	1.19
4.033	1.58	10.033	4.54	16.033	1.78	22.03	1.19
4.050	1.58	10.050	4.54	16.050	1.78	22.05	1.19
4.067	1.58	10.067	4.54	16.067	1.78	22.07	1.19
4.083	1.58	10.083	4.54	16.083	1.78	22.08	1.19

4.100	1.58	10.100	4.54	16.100	1.78	22.10	1.19
4.117	1.58	10.117	4.54	16.117	1.78	22.12	1.19
4.133	1.58	10.133	4.54	16.133	1.78	22.13	1.19
4.150	1.58	10.150	4.54	16.150	1.78	22.15	1.19
4.167	1.58	10.167	4.54	16.167	1.78	22.17	1.19
4.183	1.58	10.183	4.54	16.183	1.78	22.18	1.19
4.200	1.58	10.200	4.54	16.200	1.78	22.20	1.19
4.217	1.58	10.217	4.54	16.217	1.78	22.22	1.19
4.233	1.58	10.233	4.54	16.233	1.78	22.23	1.19
4.250	1.58	10.250	4.54	16.250	1.78	22.25	1.19
4.267	1.58	10.267	4.54	16.267	1.78	22.27	1.19
4.283	1.58	10.283	4.54	16.283	1.78	22.28	1.19
4.300	1.58	10.300	4.54	16.300	1.78	22.30	1.19
4.317	1.58	10.317	4.54	16.317	1.78	22.32	1.19
4.333	1.58	10.333	4.54	16.333	1.78	22.33	1.19
4.350	1.58	10.350	4.54	16.350	1.78	22.35	1.19
4.367	1.58	10.367	4.54	16.367	1.78	22.37	1.19
4.383	1.58	10.383	4.54	16.383	1.78	22.38	1.19
4.400	1.58	10.400	4.54	16.400	1.78	22.40	1.19
4.417	1.58	10.417	4.54	16.417	1.78	22.42	1.19
4.433	1.58	10.433	4.54	16.433	1.78	22.43	1.19
4.450	1.58	10.450	4.54	16.450	1.78	22.45	1.19
4.467	1.58	10.467	4.54	16.467	1.78	22.47	1.19
4.483	1.58	10.483	4.54	16.483	1.78	22.48	1.19
4.500	1.58	10.500	4.54	16.500	1.78	22.50	1.19
4.517	1.58	10.517	6.12	16.517	1.78	22.52	1.19
4.533	1.58	10.533	6.12	16.533	1.78	22.53	1.19
4.550	1.58	10.550	6.12	16.550	1.78	22.55	1.19
4.567	1.58	10.567	6.12	16.567	1.78	22.57	1.19
4.583	1.58	10.583	6.12	16.583	1.78	22.58	1.19
4.600	1.58	10.600	6.12	16.600	1.78	22.60	1.19
4.617	1.58	10.617	6.12	16.617	1.78	22.62	1.19
4.633	1.58	10.633	6.12	16.633	1.78	22.63	1.19
4.650	1.58	10.650	6.12	16.650	1.78	22.65	1.19
4.667	1.58	10.667	6.12	16.667	1.78	22.67	1.19
4.683	1.58	10.683	6.12	16.683	1.78	22.68	1.19
4.700	1.58	10.700	6.12	16.700	1.78	22.70	1.19
4.717	1.58	10.717	6.12	16.717	1.78	22.72	1.19
4.733	1.58	10.733	6.12	16.733	1.78	22.73	1.19
4.750	1.58	10.750	6.12	16.750	1.78	22.75	1.19
4.767	1.58	10.767	6.12	16.767	1.78	22.77	1.19
4.783	1.58	10.783	6.12	16.783	1.78	22.78	1.19
4.800	1.58	10.800	6.12	16.800	1.78	22.80	1.19
4.817	1.58	10.817	6.12	16.817	1.78	22.82	1.19
4.833	1.58	10.833	6.12	16.833	1.78	22.83	1.19
4.850	1.58	10.850	6.12	16.850	1.78	22.85	1.19
4.867	1.58	10.867	6.12	16.867	1.78	22.87	1.19
4.883	1.58	10.883	6.12	16.883	1.78	22.88	1.19
4.900	1.58	10.900	6.12	16.900	1.78	22.90	1.19
4.917	1.58	10.917	6.12	16.917	1.78	22.92	1.19
4.933	1.58	10.933	6.12	16.933	1.78	22.93	1.19
4.950	1.58	10.950	6.12	16.950	1.78	22.95	1.19
4.967	1.58	10.967	6.12	16.967	1.78	22.97	1.19
4.983	1.58	10.983	6.12	16.983	1.78	22.98	1.19
5.000	1.58	11.000	6.13	17.000	1.78	23.00	1.19
5.017	1.58	11.017	9.48	17.017	1.78	23.02	1.19
5.033	1.58	11.033	9.48	17.033	1.78	23.03	1.19
5.050	1.58	11.050	9.48	17.050	1.78	23.05	1.19
5.067	1.58	11.067	9.48	17.067	1.78	23.07	1.19
5.083	1.58	11.083	9.48	17.083	1.78	23.08	1.19
5.100	1.58	11.100	9.48	17.100	1.78	23.10	1.19
5.117	1.58	11.117	9.48	17.117	1.78	23.12	1.19
5.133	1.58	11.133	9.48	17.133	1.78	23.13	1.19
5.150	1.58	11.150	9.48	17.150	1.78	23.15	1.19
5.167	1.58	11.167	9.48	17.167	1.78	23.17	1.19
5.183	1.58	11.183	9.48	17.183	1.78	23.18	1.19
5.200	1.58	11.200	9.48	17.200	1.78	23.20	1.19
5.217	1.58	11.217	9.48	17.217	1.78	23.22	1.19
5.233	1.58	11.233	9.48	17.233	1.78	23.23	1.19
5.250	1.58	11.250	9.48	17.250	1.78	23.25	1.19
5.267	1.58	11.267	9.48	17.267	1.78	23.27	1.19
5.283	1.58	11.283	9.48	17.283	1.78	23.28	1.19
5.300	1.58	11.300	9.48	17.300	1.78	23.30	1.19
5.317	1.58	11.317	9.48	17.317	1.78	23.32	1.19
5.333	1.58	11.333	9.48	17.333	1.78	23.33	1.19
5.350	1.58	11.350	9.48	17.350	1.78	23.35	1.19
5.367	1.58	11.367	9.48	17.367	1.78	23.37	1.19
5.383	1.58	11.383	9.48	17.383	1.78	23.38	1.19
5.400	1.58	11.400	9.48	17.400	1.78	23.40	1.19
5.417	1.58	11.417	9.48	17.417	1.78	23.42	1.19
5.433	1.58	11.433	9.48	17.433	1.78	23.43	1.19
5.450	1.58	11.450	9.48	17.450	1.78	23.45	1.19
5.467	1.58	11.467	9.48	17.467	1.78	23.47	1.19
5.483	1.58	11.483	9.48	17.483	1.78	23.48	1.19

5.500	1.58	11.500	9.48	17.500	1.78	23.50	1.19
5.517	1.58	11.517	29.23	17.517	1.78	23.52	1.19
5.533	1.58	11.533	29.24	17.533	1.78	23.53	1.19
5.550	1.58	11.550	29.24	17.550	1.78	23.55	1.19
5.567	1.58	11.567	29.24	17.567	1.78	23.57	1.19
5.583	1.58	11.583	29.24	17.583	1.78	23.58	1.19
5.600	1.58	11.600	29.24	17.600	1.78	23.60	1.19
5.617	1.58	11.617	29.24	17.617	1.78	23.62	1.19
5.633	1.58	11.633	29.24	17.633	1.78	23.63	1.19
5.650	1.58	11.650	29.24	17.650	1.78	23.65	1.19
5.667	1.58	11.667	29.24	17.667	1.78	23.67	1.19
5.683	1.58	11.683	29.24	17.683	1.78	23.68	1.19
5.700	1.58	11.700	29.24	17.700	1.78	23.70	1.19
5.717	1.58	11.717	29.24	17.717	1.78	23.72	1.19
5.733	1.58	11.733	29.24	17.733	1.78	23.73	1.19
5.750	1.58	11.750	29.24	17.750	1.78	23.75	1.19
5.767	1.58	11.767	120.86	17.767	1.78	23.77	1.19
5.783	1.58	11.783	120.91	17.783	1.78	23.78	1.19
5.800	1.58	11.800	120.91	17.800	1.78	23.80	1.19
5.817	1.58	11.817	120.91	17.817	1.78	23.82	1.19
5.833	1.58	11.833	120.91	17.833	1.78	23.83	1.19
5.850	1.58	11.850	120.91	17.850	1.78	23.85	1.19
5.867	1.58	11.867	120.91	17.867	1.78	23.87	1.19
5.883	1.58	11.883	120.91	17.883	1.78	23.88	1.19
5.900	1.58	11.900	120.91	17.900	1.78	23.90	1.19
5.917	1.58	11.917	120.91	17.917	1.78	23.92	1.19
5.933	1.58	11.933	120.91	17.933	1.78	23.93	1.19
5.950	1.58	11.950	120.91	17.950	1.78	23.95	1.19
5.967	1.58	11.967	120.91	17.967	1.78	23.97	1.19
5.983	1.58	11.983	120.91	17.983	1.78	23.98	1.19
6.000	1.58	12.000	120.91	18.000	1.78	24.00	1.19

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.325 (i)
TIME TO PEAK (hrs)= 13.433
RUNOFF VOLUME (mm)= 18.904
TOTAL RAINFALL (mm)= 98.781
RUNOFF COEFFICIENT = 0.191

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0001)
ID= 1 DT= 1.0 min

Area (ha)= 1.18
Total Imp(%)= 22.00 Dir. Conn.(%)= 22.00

IMPERVIOUS PERVIOUS (i)
Surface Area (ha)= 0.26 0.92
Dep. Storage (mm)= 2.00 5.00
Average Slope (%)= 1.00 2.00
Length (m)= 88.84 40.00
Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.09	6.017	1.78	12.017	14.30	18.02	1.78
0.033	1.09	6.033	1.78	12.033	14.22	18.03	1.78
0.050	1.09	6.050	1.78	12.050	14.22	18.05	1.78
0.067	1.09	6.067	1.78	12.067	14.22	18.07	1.78
0.083	1.09	6.083	1.78	12.083	14.22	18.08	1.78
0.100	1.09	6.100	1.78	12.100	14.22	18.10	1.78
0.117	1.09	6.117	1.78	12.117	14.22	18.12	1.78
0.133	1.09	6.133	1.78	12.133	14.22	18.13	1.78
0.150	1.09	6.150	1.78	12.150	14.22	18.15	1.78
0.167	1.09	6.167	1.78	12.167	14.22	18.17	1.78
0.183	1.09	6.183	1.78	12.183	14.22	18.18	1.78
0.200	1.09	6.200	1.78	12.200	14.22	18.20	1.78
0.217	1.09	6.217	1.78	12.217	14.22	18.22	1.78
0.233	1.09	6.233	1.78	12.233	14.22	18.23	1.78
0.250	1.09	6.250	1.78	12.250	14.22	18.25	1.78
0.267	1.09	6.267	1.78	12.267	14.22	18.27	1.78
0.283	1.09	6.283	1.78	12.283	14.22	18.28	1.78
0.300	1.09	6.300	1.78	12.300	14.22	18.30	1.78
0.317	1.09	6.317	1.78	12.317	14.22	18.32	1.78
0.333	1.09	6.333	1.78	12.333	14.22	18.33	1.78
0.350	1.09	6.350	1.78	12.350	14.22	18.35	1.78
0.367	1.09	6.367	1.78	12.367	14.22	18.37	1.78
0.383	1.09	6.383	1.78	12.383	14.22	18.38	1.78

0.400	1.09	6.400	1.78	12.400	14.22	18.40	1.78
0.417	1.09	6.417	1.78	12.417	14.22	18.42	1.78
0.433	1.09	6.433	1.78	12.433	14.22	18.43	1.78
0.450	1.09	6.450	1.78	12.450	14.22	18.45	1.78
0.467	1.09	6.467	1.78	12.467	14.22	18.47	1.78
0.483	1.09	6.483	1.78	12.483	14.22	18.48	1.78
0.500	1.09	6.500	1.78	12.500	14.22	18.50	1.78
0.517	1.09	6.517	1.78	12.517	7.32	18.52	1.78
0.533	1.09	6.533	1.78	12.533	7.31	18.53	1.78
0.550	1.09	6.550	1.78	12.550	7.31	18.55	1.78
0.567	1.09	6.567	1.78	12.567	7.31	18.57	1.78
0.583	1.09	6.583	1.78	12.583	7.31	18.58	1.78
0.600	1.09	6.600	1.78	12.600	7.31	18.60	1.78
0.617	1.09	6.617	1.78	12.617	7.31	18.62	1.78
0.633	1.09	6.633	1.78	12.633	7.31	18.63	1.78
0.650	1.09	6.650	1.78	12.650	7.31	18.65	1.78
0.667	1.09	6.667	1.78	12.667	7.31	18.67	1.78
0.683	1.09	6.683	1.78	12.683	7.31	18.68	1.78
0.700	1.09	6.700	1.78	12.700	7.31	18.70	1.78
0.717	1.09	6.717	1.78	12.717	7.31	18.72	1.78
0.733	1.09	6.733	1.78	12.733	7.31	18.73	1.78
0.750	1.09	6.750	1.78	12.750	7.31	18.75	1.78
0.767	1.09	6.767	1.78	12.767	7.31	18.77	1.78
0.783	1.09	6.783	1.78	12.783	7.31	18.78	1.78
0.800	1.09	6.800	1.78	12.800	7.31	18.80	1.78
0.817	1.09	6.817	1.78	12.817	7.31	18.82	1.78
0.833	1.09	6.833	1.78	12.833	7.31	18.83	1.78
0.850	1.09	6.850	1.78	12.850	7.31	18.85	1.78
0.867	1.09	6.867	1.78	12.867	7.31	18.87	1.78
0.883	1.09	6.883	1.78	12.883	7.31	18.88	1.78
0.900	1.09	6.900	1.78	12.900	7.31	18.90	1.78
0.917	1.09	6.917	1.78	12.917	7.31	18.92	1.78
0.933	1.09	6.933	1.78	12.933	7.31	18.93	1.78
0.950	1.09	6.950	1.78	12.950	7.31	18.95	1.78
0.967	1.09	6.967	1.78	12.967	7.31	18.97	1.78
0.983	1.09	6.983	1.78	12.983	7.31	18.98	1.78
1.000	1.09	7.000	1.78	13.000	7.31	19.00	1.78
1.017	1.09	7.017	2.17	13.017	5.34	19.02	1.78
1.033	1.09	7.033	2.17	13.033	5.33	19.03	1.78
1.050	1.09	7.050	2.17	13.050	5.33	19.05	1.78
1.067	1.09	7.067	2.17	13.067	5.33	19.07	1.78
1.083	1.09	7.083	2.17	13.083	5.33	19.08	1.78
1.100	1.09	7.100	2.17	13.100	5.33	19.10	1.78
1.117	1.09	7.117	2.17	13.117	5.33	19.12	1.78
1.133	1.09	7.133	2.17	13.133	5.33	19.13	1.78
1.150	1.09	7.150	2.17	13.150	5.33	19.15	1.78
1.167	1.09	7.167	2.17	13.167	5.33	19.17	1.78
1.183	1.09	7.183	2.17	13.183	5.33	19.18	1.78
1.200	1.09	7.200	2.17	13.200	5.33	19.20	1.78
1.217	1.09	7.217	2.17	13.217	5.33	19.22	1.78
1.233	1.09	7.233	2.17	13.233	5.33	19.23	1.78
1.250	1.09	7.250	2.17	13.250	5.33	19.25	1.78
1.267	1.09	7.267	2.17	13.267	5.33	19.27	1.78
1.283	1.09	7.283	2.17	13.283	5.33	19.28	1.78
1.300	1.09	7.300	2.17	13.300	5.33	19.30	1.78
1.317	1.09	7.317	2.17	13.317	5.33	19.32	1.78
1.333	1.09	7.333	2.17	13.333	5.33	19.33	1.78
1.350	1.09	7.350	2.17	13.350	5.33	19.35	1.78
1.367	1.09	7.367	2.17	13.367	5.33	19.37	1.78
1.383	1.09	7.383	2.17	13.383	5.33	19.38	1.78
1.400	1.09	7.400	2.17	13.400	5.33	19.40	1.78
1.417	1.09	7.417	2.17	13.417	5.33	19.42	1.78
1.433	1.09	7.433	2.17	13.433	5.33	19.43	1.78
1.450	1.09	7.450	2.17	13.450	5.33	19.45	1.78
1.467	1.09	7.467	2.17	13.467	5.33	19.47	1.78
1.483	1.09	7.483	2.17	13.483	5.33	19.48	1.78
1.500	1.09	7.500	2.17	13.500	5.33	19.50	1.78
1.517	1.09	7.517	2.17	13.517	4.15	19.52	1.78
1.533	1.09	7.533	2.17	13.533	4.15	19.53	1.78
1.550	1.09	7.550	2.17	13.550	4.15	19.55	1.78
1.567	1.09	7.567	2.17	13.567	4.15	19.57	1.78
1.583	1.09	7.583	2.17	13.583	4.15	19.58	1.78
1.600	1.09	7.600	2.17	13.600	4.15	19.60	1.78
1.617	1.09	7.617	2.17	13.617	4.15	19.62	1.78
1.633	1.09	7.633	2.17	13.633	4.15	19.63	1.78
1.650	1.09	7.650	2.17	13.650	4.15	19.65	1.78
1.667	1.09	7.667	2.17	13.667	4.15	19.67	1.78
1.683	1.09	7.683	2.17	13.683	4.15	19.68	1.78
1.700	1.09	7.700	2.17	13.700	4.15	19.70	1.78
1.717	1.09	7.717	2.17	13.717	4.15	19.72	1.78
1.733	1.09	7.733	2.17	13.733	4.15	19.73	1.78
1.750	1.09	7.750	2.17	13.750	4.15	19.75	1.78
1.767	1.09	7.767	2.17	13.767	4.15	19.77	1.78
1.783	1.09	7.783	2.17	13.783	4.15	19.78	1.78

1.800	1.09	7.800	2.17	13.800	4.15	19.80	1.78
1.817	1.09	7.817	2.17	13.817	4.15	19.82	1.78
1.833	1.09	7.833	2.17	13.833	4.15	19.83	1.78
1.850	1.09	7.850	2.17	13.850	4.15	19.85	1.78
1.867	1.09	7.867	2.17	13.867	4.15	19.87	1.78
1.883	1.09	7.883	2.17	13.883	4.15	19.88	1.78
1.900	1.09	7.900	2.17	13.900	4.15	19.90	1.78
1.917	1.09	7.917	2.17	13.917	4.15	19.92	1.78
1.933	1.09	7.933	2.17	13.933	4.15	19.93	1.78
1.950	1.09	7.950	2.17	13.950	4.15	19.95	1.78
1.967	1.09	7.967	2.17	13.967	4.15	19.97	1.78
1.983	1.09	7.983	2.17	13.983	4.15	19.98	1.78
2.000	1.09	8.000	2.17	14.000	4.15	20.00	1.78
2.017	1.28	8.017	2.57	14.017	2.97	20.02	1.19
2.033	1.28	8.033	2.57	14.033	2.96	20.03	1.19
2.050	1.28	8.050	2.57	14.050	2.96	20.05	1.19
2.067	1.28	8.067	2.57	14.067	2.96	20.07	1.19
2.083	1.28	8.083	2.57	14.083	2.96	20.08	1.19
2.100	1.28	8.100	2.57	14.100	2.96	20.10	1.19
2.117	1.28	8.117	2.57	14.117	2.96	20.12	1.19
2.133	1.28	8.133	2.57	14.133	2.96	20.13	1.19
2.150	1.28	8.150	2.57	14.150	2.96	20.15	1.19
2.167	1.28	8.167	2.57	14.167	2.96	20.17	1.19
2.183	1.28	8.183	2.57	14.183	2.96	20.18	1.19
2.200	1.28	8.200	2.57	14.200	2.96	20.20	1.19
2.217	1.28	8.217	2.57	14.217	2.96	20.22	1.19
2.233	1.28	8.233	2.57	14.233	2.96	20.23	1.19
2.250	1.28	8.250	2.57	14.250	2.96	20.25	1.19
2.267	1.28	8.267	2.57	14.267	2.96	20.27	1.19
2.283	1.28	8.283	2.57	14.283	2.96	20.28	1.19
2.300	1.28	8.300	2.57	14.300	2.96	20.30	1.19
2.317	1.28	8.317	2.57	14.317	2.96	20.32	1.19
2.333	1.28	8.333	2.57	14.333	2.96	20.33	1.19
2.350	1.28	8.350	2.57	14.350	2.96	20.35	1.19
2.367	1.28	8.367	2.57	14.367	2.96	20.37	1.19
2.383	1.28	8.383	2.57	14.383	2.96	20.38	1.19
2.400	1.28	8.400	2.57	14.400	2.96	20.40	1.19
2.417	1.28	8.417	2.57	14.417	2.96	20.42	1.19
2.433	1.28	8.433	2.57	14.433	2.96	20.43	1.19
2.450	1.28	8.450	2.57	14.450	2.96	20.45	1.19
2.467	1.28	8.467	2.57	14.467	2.96	20.47	1.19
2.483	1.28	8.483	2.57	14.483	2.96	20.48	1.19
2.500	1.28	8.500	2.57	14.500	2.96	20.50	1.19
2.517	1.28	8.517	2.77	14.517	2.96	20.52	1.19
2.533	1.28	8.533	2.77	14.533	2.96	20.53	1.19
2.550	1.28	8.550	2.77	14.550	2.96	20.55	1.19
2.567	1.28	8.567	2.77	14.567	2.96	20.57	1.19
2.583	1.28	8.583	2.77	14.583	2.96	20.58	1.19
2.600	1.28	8.600	2.77	14.600	2.96	20.60	1.19
2.617	1.28	8.617	2.77	14.617	2.96	20.62	1.19
2.633	1.28	8.633	2.77	14.633	2.96	20.63	1.19
2.650	1.28	8.650	2.77	14.650	2.96	20.65	1.19
2.667	1.28	8.667	2.77	14.667	2.96	20.67	1.19
2.683	1.28	8.683	2.77	14.683	2.96	20.68	1.19
2.700	1.28	8.700	2.77	14.700	2.96	20.70	1.19
2.717	1.28	8.717	2.77	14.717	2.96	20.72	1.19
2.733	1.28	8.733	2.77	14.733	2.96	20.73	1.19
2.750	1.28	8.750	2.77	14.750	2.96	20.75	1.19
2.767	1.28	8.767	2.77	14.767	2.96	20.77	1.19
2.783	1.28	8.783	2.77	14.783	2.96	20.78	1.19
2.800	1.28	8.800	2.77	14.800	2.96	20.80	1.19
2.817	1.28	8.817	2.77	14.817	2.96	20.82	1.19
2.833	1.28	8.833	2.77	14.833	2.96	20.83	1.19
2.850	1.28	8.850	2.77	14.850	2.96	20.85	1.19
2.867	1.28	8.867	2.77	14.867	2.96	20.87	1.19
2.883	1.28	8.883	2.77	14.883	2.96	20.88	1.19
2.900	1.28	8.900	2.77	14.900	2.96	20.90	1.19
2.917	1.28	8.917	2.77	14.917	2.96	20.92	1.19
2.933	1.28	8.933	2.77	14.933	2.96	20.93	1.19
2.950	1.28	8.950	2.77	14.950	2.96	20.95	1.19
2.967	1.28	8.967	2.77	14.967	2.96	20.97	1.19
2.983	1.28	8.983	2.77	14.983	2.96	20.98	1.19
3.000	1.28	9.000	2.77	15.000	2.96	21.00	1.19
3.017	1.28	9.017	3.16	15.017	2.96	21.02	1.19
3.033	1.28	9.033	3.16	15.033	2.96	21.03	1.19
3.050	1.28	9.050	3.16	15.050	2.96	21.05	1.19
3.067	1.28	9.067	3.16	15.067	2.96	21.07	1.19
3.083	1.28	9.083	3.16	15.083	2.96	21.08	1.19
3.100	1.28	9.100	3.16	15.100	2.96	21.10	1.19
3.117	1.28	9.117	3.16	15.117	2.96	21.12	1.19
3.133	1.28	9.133	3.16	15.133	2.96	21.13	1.19
3.150	1.28	9.150	3.16	15.150	2.96	21.15	1.19
3.167	1.28	9.167	3.16	15.167	2.96	21.17	1.19
3.183	1.28	9.183	3.16	15.183	2.96	21.18	1.19

3.200	1.28	9.200	3.16	15.200	2.96	21.20	1.19
3.217	1.28	9.217	3.16	15.217	2.96	21.22	1.19
3.233	1.28	9.233	3.16	15.233	2.96	21.23	1.19
3.250	1.28	9.250	3.16	15.250	2.96	21.25	1.19
3.267	1.28	9.267	3.16	15.267	2.96	21.27	1.19
3.283	1.28	9.283	3.16	15.283	2.96	21.28	1.19
3.300	1.28	9.300	3.16	15.300	2.96	21.30	1.19
3.317	1.28	9.317	3.16	15.317	2.96	21.32	1.19
3.333	1.28	9.333	3.16	15.333	2.96	21.33	1.19
3.350	1.28	9.350	3.16	15.350	2.96	21.35	1.19
3.367	1.28	9.367	3.16	15.367	2.96	21.37	1.19
3.383	1.28	9.383	3.16	15.383	2.96	21.38	1.19
3.400	1.28	9.400	3.16	15.400	2.96	21.40	1.19
3.417	1.28	9.417	3.16	15.417	2.96	21.42	1.19
3.433	1.28	9.433	3.16	15.433	2.96	21.43	1.19
3.450	1.28	9.450	3.16	15.450	2.96	21.45	1.19
3.467	1.28	9.467	3.16	15.467	2.96	21.47	1.19
3.483	1.28	9.483	3.16	15.483	2.96	21.48	1.19
3.500	1.28	9.500	3.16	15.500	2.96	21.50	1.19
3.517	1.28	9.517	3.56	15.517	2.96	21.52	1.19
3.533	1.28	9.533	3.56	15.533	2.96	21.53	1.19
3.550	1.28	9.550	3.56	15.550	2.96	21.55	1.19
3.567	1.28	9.567	3.56	15.567	2.96	21.57	1.19
3.583	1.28	9.583	3.56	15.583	2.96	21.58	1.19
3.600	1.28	9.600	3.56	15.600	2.96	21.60	1.19
3.617	1.28	9.617	3.56	15.617	2.96	21.62	1.19
3.633	1.28	9.633	3.56	15.633	2.96	21.63	1.19
3.650	1.28	9.650	3.56	15.650	2.96	21.65	1.19
3.667	1.28	9.667	3.56	15.667	2.96	21.67	1.19
3.683	1.28	9.683	3.56	15.683	2.96	21.68	1.19
3.700	1.28	9.700	3.56	15.700	2.96	21.70	1.19
3.717	1.28	9.717	3.56	15.717	2.96	21.72	1.19
3.733	1.28	9.733	3.56	15.733	2.96	21.73	1.19
3.750	1.28	9.750	3.56	15.750	2.96	21.75	1.19
3.767	1.28	9.767	3.56	15.767	2.96	21.77	1.19
3.783	1.28	9.783	3.56	15.783	2.96	21.78	1.19
3.800	1.28	9.800	3.56	15.800	2.96	21.80	1.19
3.817	1.28	9.817	3.56	15.817	2.96	21.82	1.19
3.833	1.28	9.833	3.56	15.833	2.96	21.83	1.19
3.850	1.28	9.850	3.56	15.850	2.96	21.85	1.19
3.867	1.28	9.867	3.56	15.867	2.96	21.87	1.19
3.883	1.28	9.883	3.56	15.883	2.96	21.88	1.19
3.900	1.28	9.900	3.56	15.900	2.96	21.90	1.19
3.917	1.28	9.917	3.56	15.917	2.96	21.92	1.19
3.933	1.28	9.933	3.56	15.933	2.96	21.93	1.19
3.950	1.28	9.950	3.56	15.950	2.96	21.95	1.19
3.967	1.28	9.967	3.56	15.967	2.96	21.97	1.19
3.983	1.28	9.983	3.56	15.983	2.96	21.98	1.19
4.000	1.28	10.000	3.56	16.000	2.96	22.00	1.19
4.017	1.58	10.017	4.54	16.017	1.78	22.02	1.19
4.033	1.58	10.033	4.54	16.033	1.78	22.03	1.19
4.050	1.58	10.050	4.54	16.050	1.78	22.05	1.19
4.067	1.58	10.067	4.54	16.067	1.78	22.07	1.19
4.083	1.58	10.083	4.54	16.083	1.78	22.08	1.19
4.100	1.58	10.100	4.54	16.100	1.78	22.10	1.19
4.117	1.58	10.117	4.54	16.117	1.78	22.12	1.19
4.133	1.58	10.133	4.54	16.133	1.78	22.13	1.19
4.150	1.58	10.150	4.54	16.150	1.78	22.15	1.19
4.167	1.58	10.167	4.54	16.167	1.78	22.17	1.19
4.183	1.58	10.183	4.54	16.183	1.78	22.18	1.19
4.200	1.58	10.200	4.54	16.200	1.78	22.20	1.19
4.217	1.58	10.217	4.54	16.217	1.78	22.22	1.19
4.233	1.58	10.233	4.54	16.233	1.78	22.23	1.19
4.250	1.58	10.250	4.54	16.250	1.78	22.25	1.19
4.267	1.58	10.267	4.54	16.267	1.78	22.27	1.19
4.283	1.58	10.283	4.54	16.283	1.78	22.28	1.19
4.300	1.58	10.300	4.54	16.300	1.78	22.30	1.19
4.317	1.58	10.317	4.54	16.317	1.78	22.32	1.19
4.333	1.58	10.333	4.54	16.333	1.78	22.33	1.19
4.350	1.58	10.350	4.54	16.350	1.78	22.35	1.19
4.367	1.58	10.367	4.54	16.367	1.78	22.37	1.19
4.383	1.58	10.383	4.54	16.383	1.78	22.38	1.19
4.400	1.58	10.400	4.54	16.400	1.78	22.40	1.19
4.417	1.58	10.417	4.54	16.417	1.78	22.42	1.19
4.433	1.58	10.433	4.54	16.433	1.78	22.43	1.19
4.450	1.58	10.450	4.54	16.450	1.78	22.45	1.19
4.467	1.58	10.467	4.54	16.467	1.78	22.47	1.19
4.483	1.58	10.483	4.54	16.483	1.78	22.48	1.19
4.500	1.58	10.500	4.54	16.500	1.78	22.50	1.19
4.517	1.58	10.517	6.12	16.517	1.78	22.52	1.19
4.533	1.58	10.533	6.12	16.533	1.78	22.53	1.19
4.550	1.58	10.550	6.12	16.550	1.78	22.55	1.19
4.567	1.58	10.567	6.12	16.567	1.78	22.57	1.19
4.583	1.58	10.583	6.12	16.583	1.78	22.58	1.19

4.600	1.58	10.600	6.12	16.600	1.78	22.60	1.19
4.617	1.58	10.617	6.12	16.617	1.78	22.62	1.19
4.633	1.58	10.633	6.12	16.633	1.78	22.63	1.19
4.650	1.58	10.650	6.12	16.650	1.78	22.65	1.19
4.667	1.58	10.667	6.12	16.667	1.78	22.67	1.19
4.683	1.58	10.683	6.12	16.683	1.78	22.68	1.19
4.700	1.58	10.700	6.12	16.700	1.78	22.70	1.19
4.717	1.58	10.717	6.12	16.717	1.78	22.72	1.19
4.733	1.58	10.733	6.12	16.733	1.78	22.73	1.19
4.750	1.58	10.750	6.12	16.750	1.78	22.75	1.19
4.767	1.58	10.767	6.12	16.767	1.78	22.77	1.19
4.783	1.58	10.783	6.12	16.783	1.78	22.78	1.19
4.800	1.58	10.800	6.12	16.800	1.78	22.80	1.19
4.817	1.58	10.817	6.12	16.817	1.78	22.82	1.19
4.833	1.58	10.833	6.12	16.833	1.78	22.83	1.19
4.850	1.58	10.850	6.12	16.850	1.78	22.85	1.19
4.867	1.58	10.867	6.12	16.867	1.78	22.87	1.19
4.883	1.58	10.883	6.12	16.883	1.78	22.88	1.19
4.900	1.58	10.900	6.12	16.900	1.78	22.90	1.19
4.917	1.58	10.917	6.12	16.917	1.78	22.92	1.19
4.933	1.58	10.933	6.12	16.933	1.78	22.93	1.19
4.950	1.58	10.950	6.12	16.950	1.78	22.95	1.19
4.967	1.58	10.967	6.12	16.967	1.78	22.97	1.19
4.983	1.58	10.983	6.12	16.983	1.78	22.98	1.19
5.000	1.58	11.000	6.13	17.000	1.78	23.00	1.19
5.017	1.58	11.017	9.48	17.017	1.78	23.02	1.19
5.033	1.58	11.033	9.48	17.033	1.78	23.03	1.19
5.050	1.58	11.050	9.48	17.050	1.78	23.05	1.19
5.067	1.58	11.067	9.48	17.067	1.78	23.07	1.19
5.083	1.58	11.083	9.48	17.083	1.78	23.08	1.19
5.100	1.58	11.100	9.48	17.100	1.78	23.10	1.19
5.117	1.58	11.117	9.48	17.117	1.78	23.12	1.19
5.133	1.58	11.133	9.48	17.133	1.78	23.13	1.19
5.150	1.58	11.150	9.48	17.150	1.78	23.15	1.19
5.167	1.58	11.167	9.48	17.167	1.78	23.17	1.19
5.183	1.58	11.183	9.48	17.183	1.78	23.18	1.19
5.200	1.58	11.200	9.48	17.200	1.78	23.20	1.19
5.217	1.58	11.217	9.48	17.217	1.78	23.22	1.19
5.233	1.58	11.233	9.48	17.233	1.78	23.23	1.19
5.250	1.58	11.250	9.48	17.250	1.78	23.25	1.19
5.267	1.58	11.267	9.48	17.267	1.78	23.27	1.19
5.283	1.58	11.283	9.48	17.283	1.78	23.28	1.19
5.300	1.58	11.300	9.48	17.300	1.78	23.30	1.19
5.317	1.58	11.317	9.48	17.317	1.78	23.32	1.19
5.333	1.58	11.333	9.48	17.333	1.78	23.33	1.19
5.350	1.58	11.350	9.48	17.350	1.78	23.35	1.19
5.367	1.58	11.367	9.48	17.367	1.78	23.37	1.19
5.383	1.58	11.383	9.48	17.383	1.78	23.38	1.19
5.400	1.58	11.400	9.48	17.400	1.78	23.40	1.19
5.417	1.58	11.417	9.48	17.417	1.78	23.42	1.19
5.433	1.58	11.433	9.48	17.433	1.78	23.43	1.19
5.450	1.58	11.450	9.48	17.450	1.78	23.45	1.19
5.467	1.58	11.467	9.48	17.467	1.78	23.47	1.19
5.483	1.58	11.483	9.48	17.483	1.78	23.48	1.19
5.500	1.58	11.500	9.48	17.500	1.78	23.50	1.19
5.517	1.58	11.517	29.23	17.517	1.78	23.52	1.19
5.533	1.58	11.533	29.24	17.533	1.78	23.53	1.19
5.550	1.58	11.550	29.24	17.550	1.78	23.55	1.19
5.567	1.58	11.567	29.24	17.567	1.78	23.57	1.19
5.583	1.58	11.583	29.24	17.583	1.78	23.58	1.19
5.600	1.58	11.600	29.24	17.600	1.78	23.60	1.19
5.617	1.58	11.617	29.24	17.617	1.78	23.62	1.19
5.633	1.58	11.633	29.24	17.633	1.78	23.63	1.19
5.650	1.58	11.650	29.24	17.650	1.78	23.65	1.19
5.667	1.58	11.667	29.24	17.667	1.78	23.67	1.19
5.683	1.58	11.683	29.24	17.683	1.78	23.68	1.19
5.700	1.58	11.700	29.24	17.700	1.78	23.70	1.19
5.717	1.58	11.717	29.24	17.717	1.78	23.72	1.19
5.733	1.58	11.733	29.24	17.733	1.78	23.73	1.19
5.750	1.58	11.750	29.24	17.750	1.78	23.75	1.19
5.767	1.58	11.767	120.86	17.767	1.78	23.77	1.19
5.783	1.58	11.783	120.91	17.783	1.78	23.78	1.19
5.800	1.58	11.800	120.91	17.800	1.78	23.80	1.19
5.817	1.58	11.817	120.91	17.817	1.78	23.82	1.19
5.833	1.58	11.833	120.91	17.833	1.78	23.83	1.19
5.850	1.58	11.850	120.91	17.850	1.78	23.85	1.19
5.867	1.58	11.867	120.91	17.867	1.78	23.87	1.19
5.883	1.58	11.883	120.91	17.883	1.78	23.88	1.19
5.900	1.58	11.900	120.91	17.900	1.78	23.90	1.19
5.917	1.58	11.917	120.91	17.917	1.78	23.92	1.19
5.933	1.58	11.933	120.91	17.933	1.78	23.93	1.19
5.950	1.58	11.950	120.91	17.950	1.78	23.95	1.19
5.967	1.58	11.967	120.91	17.967	1.78	23.97	1.19
5.983	1.58	11.983	120.91	17.983	1.78	23.98	1.19

6.000 1.58 | 12.000 120.91 | 18.000 1.78 | 24.00 1.19

Max.Eff.Inten.(mm/hr)= 120.91 40.63
over (min) 5.00 13.00
Storage Coeff. (min)= 2.21 (ii) 12.32 (ii)
Unit Hyd. Tpeak (min)= 5.00 13.00
Unit Hyd. peak (cms)= 0.36 0.09

PEAK FLOW (cms)= 0.09 0.06 0.137 (iii)
TIME TO PEAK (hrs)= 12.00 12.12 12.02
RUNOFF VOLUME (mm)= 96.77 28.35 43.40
TOTAL RAINFALL (mm)= 98.78 98.78 98.78
RUNOFF COEFFICIENT = 0.98 0.29 0.44

TOTALS

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0001):	1.18	0.137	12.02	43.40
+ ID2= 2 (0003):	19.20	0.325	13.43	18.90
ID = 3 (0005):	20.39	0.335	13.42	27.98

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:4.5 SCS II 24hr 50yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData\Local\Temp\6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\8e78b838
Ptotal=109.35 mm	Comments: SCS 24 HOUR TYPE II STORM DISTRIBUTION 1

Duration of storm = 24.00 hrs
Mass curve time step = 15.00 min

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	1.20	6.00	1.97	12.00	15.75	18.00	1.97
0.25	1.20	6.25	1.97	12.25	15.75	18.25	1.97
0.50	1.20	6.50	1.97	12.50	8.09	18.50	1.97
0.75	1.20	6.75	1.97	12.75	8.09	18.75	1.97
1.00	1.20	7.00	2.41	13.00	5.90	19.00	1.97
1.25	1.20	7.25	2.41	13.25	5.90	19.25	1.97
1.50	1.20	7.50	2.41	13.50	4.59	19.50	1.97
1.75	1.20	7.75	2.41	13.75	4.59	19.75	1.97
2.00	1.42	8.00	2.84	14.00	3.28	20.00	1.31
2.25	1.42	8.25	2.84	14.25	3.28	20.25	1.31
2.50	1.42	8.50	3.06	14.50	3.28	20.50	1.31
2.75	1.42	8.75	3.06	14.75	3.28	20.75	1.31
3.00	1.42	9.00	3.50	15.00	3.28	21.00	1.31
3.25	1.42	9.25	3.50	15.25	3.28	21.25	1.31
3.50	1.42	9.50	3.94	15.50	3.28	21.50	1.31
3.75	1.42	9.75	3.94	15.75	3.28	21.75	1.31
4.00	1.75	10.00	5.03	16.00	1.97	22.00	1.31
4.25	1.75	10.25	5.03	16.25	1.97	22.25	1.31
4.50	1.75	10.50	6.78	16.50	1.97	22.50	1.31
4.75	1.75	10.75	6.78	16.75	1.97	22.75	1.31
5.00	1.75	11.00	10.50	17.00	1.97	23.00	1.31
5.25	1.75	11.25	10.50	17.25	1.97	23.25	1.31
5.50	1.75	11.50	32.37	17.50	1.97	23.50	1.31
5.75	1.75	11.75	133.84	17.75	1.97	23.75	1.31

CALIB NASHYD (0003)	Area (ha)= 19.20	Curve Number (CN)= 55.0
ID= 1 DT= 1.0 min	Ia (mm)= 9.10	# of Linear Res.(N)= 3.00
	U.H. Tp(hrs)= 1.32	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.20	6.017	1.97	12.017	15.83	18.02	1.97
0.033	1.20	6.033	1.97	12.033	15.75	18.03	1.97
0.050	1.20	6.050	1.97	12.050	15.75	18.05	1.97
0.067	1.20	6.067	1.97	12.067	15.75	18.07	1.97
0.083	1.20	6.083	1.97	12.083	15.75	18.08	1.97
0.100	1.20	6.100	1.97	12.100	15.75	18.10	1.97
0.117	1.20	6.117	1.97	12.117	15.75	18.12	1.97
0.133	1.20	6.133	1.97	12.133	15.75	18.13	1.97
0.150	1.20	6.150	1.97	12.150	15.75	18.15	1.97
0.167	1.20	6.167	1.97	12.167	15.75	18.17	1.97
0.183	1.20	6.183	1.97	12.183	15.75	18.18	1.97
0.200	1.20	6.200	1.97	12.200	15.75	18.20	1.97
0.217	1.20	6.217	1.97	12.217	15.75	18.22	1.97
0.233	1.20	6.233	1.97	12.233	15.75	18.23	1.97
0.250	1.20	6.250	1.97	12.250	15.75	18.25	1.97
0.267	1.20	6.267	1.97	12.267	15.75	18.27	1.97
0.283	1.20	6.283	1.97	12.283	15.75	18.28	1.97
0.300	1.20	6.300	1.97	12.300	15.75	18.30	1.97
0.317	1.20	6.317	1.97	12.317	15.75	18.32	1.97
0.333	1.20	6.333	1.97	12.333	15.75	18.33	1.97
0.350	1.20	6.350	1.97	12.350	15.75	18.35	1.97
0.367	1.20	6.367	1.97	12.367	15.75	18.37	1.97
0.383	1.20	6.383	1.97	12.383	15.75	18.38	1.97
0.400	1.20	6.400	1.97	12.400	15.75	18.40	1.97
0.417	1.20	6.417	1.97	12.417	15.75	18.42	1.97
0.433	1.20	6.433	1.97	12.433	15.75	18.43	1.97
0.450	1.20	6.450	1.97	12.450	15.75	18.45	1.97
0.467	1.20	6.467	1.97	12.467	15.75	18.47	1.97
0.483	1.20	6.483	1.97	12.483	15.75	18.48	1.97
0.500	1.20	6.500	1.97	12.500	15.75	18.50	1.97
0.517	1.20	6.517	1.97	12.517	8.10	18.52	1.97
0.533	1.20	6.533	1.97	12.533	8.09	18.53	1.97
0.550	1.20	6.550	1.97	12.550	8.09	18.55	1.97
0.567	1.20	6.567	1.97	12.567	8.09	18.57	1.97
0.583	1.20	6.583	1.97	12.583	8.09	18.58	1.97
0.600	1.20	6.600	1.97	12.600	8.09	18.60	1.97
0.617	1.20	6.617	1.97	12.617	8.09	18.62	1.97
0.633	1.20	6.633	1.97	12.633	8.09	18.63	1.97
0.650	1.20	6.650	1.97	12.650	8.09	18.65	1.97
0.667	1.20	6.667	1.97	12.667	8.09	18.67	1.97
0.683	1.20	6.683	1.97	12.683	8.09	18.68	1.97
0.700	1.20	6.700	1.97	12.700	8.09	18.70	1.97
0.717	1.20	6.717	1.97	12.717	8.09	18.72	1.97
0.733	1.20	6.733	1.97	12.733	8.09	18.73	1.97
0.750	1.20	6.750	1.97	12.750	8.09	18.75	1.97
0.767	1.20	6.767	1.97	12.767	8.09	18.77	1.97
0.783	1.20	6.783	1.97	12.783	8.09	18.78	1.97
0.800	1.20	6.800	1.97	12.800	8.09	18.80	1.97
0.817	1.20	6.817	1.97	12.817	8.09	18.82	1.97
0.833	1.20	6.833	1.97	12.833	8.09	18.83	1.97
0.850	1.20	6.850	1.97	12.850	8.09	18.85	1.97
0.867	1.20	6.867	1.97	12.867	8.09	18.87	1.97
0.883	1.20	6.883	1.97	12.883	8.09	18.88	1.97
0.900	1.20	6.900	1.97	12.900	8.09	18.90	1.97
0.917	1.20	6.917	1.97	12.917	8.09	18.92	1.97
0.933	1.20	6.933	1.97	12.933	8.09	18.93	1.97
0.950	1.20	6.950	1.97	12.950	8.09	18.95	1.97
0.967	1.20	6.967	1.97	12.967	8.09	18.97	1.97
0.983	1.20	6.983	1.97	12.983	8.09	18.98	1.97
1.000	1.20	7.000	1.97	13.000	8.09	19.00	1.97
1.017	1.20	7.017	2.41	13.017	5.91	19.02	1.97
1.033	1.20	7.033	2.41	13.033	5.90	19.03	1.97
1.050	1.20	7.050	2.41	13.050	5.90	19.05	1.97
1.067	1.20	7.067	2.41	13.067	5.90	19.07	1.97
1.083	1.20	7.083	2.41	13.083	5.90	19.08	1.97
1.100	1.20	7.100	2.41	13.100	5.90	19.10	1.97
1.117	1.20	7.117	2.41	13.117	5.90	19.12	1.97
1.133	1.20	7.133	2.41	13.133	5.90	19.13	1.97
1.150	1.20	7.150	2.41	13.150	5.90	19.15	1.97
1.167	1.20	7.167	2.41	13.167	5.90	19.17	1.97
1.183	1.20	7.183	2.41	13.183	5.90	19.18	1.97
1.200	1.20	7.200	2.41	13.200	5.90	19.20	1.97
1.217	1.20	7.217	2.41	13.217	5.90	19.22	1.97
1.233	1.20	7.233	2.41	13.233	5.90	19.23	1.97
1.250	1.20	7.250	2.41	13.250	5.90	19.25	1.97
1.267	1.20	7.267	2.41	13.267	5.90	19.27	1.97
1.283	1.20	7.283	2.41	13.283	5.90	19.28	1.97
1.300	1.20	7.300	2.41	13.300	5.90	19.30	1.97
1.317	1.20	7.317	2.41	13.317	5.90	19.32	1.97
1.333	1.20	7.333	2.41	13.333	5.90	19.33	1.97
1.350	1.20	7.350	2.41	13.350	5.90	19.35	1.97
1.367	1.20	7.367	2.41	13.367	5.90	19.37	1.97

1.383	1.20	7.383	2.41	13.383	5.90	19.38	1.97
1.400	1.20	7.400	2.41	13.400	5.90	19.40	1.97
1.417	1.20	7.417	2.41	13.417	5.90	19.42	1.97
1.433	1.20	7.433	2.41	13.433	5.90	19.43	1.97
1.450	1.20	7.450	2.41	13.450	5.90	19.45	1.97
1.467	1.20	7.467	2.41	13.467	5.90	19.47	1.97
1.483	1.20	7.483	2.41	13.483	5.90	19.48	1.97
1.500	1.20	7.500	2.41	13.500	5.90	19.50	1.97
1.517	1.20	7.517	2.41	13.517	4.60	19.52	1.97
1.533	1.20	7.533	2.41	13.533	4.59	19.53	1.97
1.550	1.20	7.550	2.41	13.550	4.59	19.55	1.97
1.567	1.20	7.567	2.41	13.567	4.59	19.57	1.97
1.583	1.20	7.583	2.41	13.583	4.59	19.58	1.97
1.600	1.20	7.600	2.41	13.600	4.59	19.60	1.97
1.617	1.20	7.617	2.41	13.617	4.59	19.62	1.97
1.633	1.20	7.633	2.41	13.633	4.59	19.63	1.97
1.650	1.20	7.650	2.41	13.650	4.59	19.65	1.97
1.667	1.20	7.667	2.41	13.667	4.59	19.67	1.97
1.683	1.20	7.683	2.41	13.683	4.59	19.68	1.97
1.700	1.20	7.700	2.41	13.700	4.59	19.70	1.97
1.717	1.20	7.717	2.41	13.717	4.59	19.72	1.97
1.733	1.20	7.733	2.41	13.733	4.59	19.73	1.97
1.750	1.20	7.750	2.41	13.750	4.59	19.75	1.97
1.767	1.20	7.767	2.41	13.767	4.59	19.77	1.97
1.783	1.20	7.783	2.41	13.783	4.59	19.78	1.97
1.800	1.20	7.800	2.41	13.800	4.59	19.80	1.97
1.817	1.20	7.817	2.41	13.817	4.59	19.82	1.97
1.833	1.20	7.833	2.41	13.833	4.59	19.83	1.97
1.850	1.20	7.850	2.41	13.850	4.59	19.85	1.97
1.867	1.20	7.867	2.41	13.867	4.59	19.87	1.97
1.883	1.20	7.883	2.41	13.883	4.59	19.88	1.97
1.900	1.20	7.900	2.41	13.900	4.59	19.90	1.97
1.917	1.20	7.917	2.41	13.917	4.59	19.92	1.97
1.933	1.20	7.933	2.41	13.933	4.59	19.93	1.97
1.950	1.20	7.950	2.41	13.950	4.59	19.95	1.97
1.967	1.20	7.967	2.41	13.967	4.59	19.97	1.97
1.983	1.20	7.983	2.41	13.983	4.59	19.98	1.97
2.000	1.20	8.000	2.41	14.000	4.59	20.00	1.97
2.017	1.42	8.017	2.84	14.017	3.28	20.02	1.32
2.033	1.42	8.033	2.84	14.033	3.28	20.03	1.31
2.050	1.42	8.050	2.84	14.050	3.28	20.05	1.31
2.067	1.42	8.067	2.84	14.067	3.28	20.07	1.31
2.083	1.42	8.083	2.84	14.083	3.28	20.08	1.31
2.100	1.42	8.100	2.84	14.100	3.28	20.10	1.31
2.117	1.42	8.117	2.84	14.117	3.28	20.12	1.31
2.133	1.42	8.133	2.84	14.133	3.28	20.13	1.31
2.150	1.42	8.150	2.84	14.150	3.28	20.15	1.31
2.167	1.42	8.167	2.84	14.167	3.28	20.17	1.31
2.183	1.42	8.183	2.84	14.183	3.28	20.18	1.31
2.200	1.42	8.200	2.84	14.200	3.28	20.20	1.31
2.217	1.42	8.217	2.84	14.217	3.28	20.22	1.31
2.233	1.42	8.233	2.84	14.233	3.28	20.23	1.31
2.250	1.42	8.250	2.84	14.250	3.28	20.25	1.31
2.267	1.42	8.267	2.84	14.267	3.28	20.27	1.31
2.283	1.42	8.283	2.84	14.283	3.28	20.28	1.31
2.300	1.42	8.300	2.84	14.300	3.28	20.30	1.31
2.317	1.42	8.317	2.84	14.317	3.28	20.32	1.31
2.333	1.42	8.333	2.84	14.333	3.28	20.33	1.31
2.350	1.42	8.350	2.84	14.350	3.28	20.35	1.31
2.367	1.42	8.367	2.84	14.367	3.28	20.37	1.31
2.383	1.42	8.383	2.84	14.383	3.28	20.38	1.31
2.400	1.42	8.400	2.84	14.400	3.28	20.40	1.31
2.417	1.42	8.417	2.84	14.417	3.28	20.42	1.31
2.433	1.42	8.433	2.84	14.433	3.28	20.43	1.31
2.450	1.42	8.450	2.84	14.450	3.28	20.45	1.31
2.467	1.42	8.467	2.84	14.467	3.28	20.47	1.31
2.483	1.42	8.483	2.84	14.483	3.28	20.48	1.31
2.500	1.42	8.500	2.84	14.500	3.28	20.50	1.31
2.517	1.42	8.517	3.06	14.517	3.28	20.52	1.31
2.533	1.42	8.533	3.06	14.533	3.28	20.53	1.31
2.550	1.42	8.550	3.06	14.550	3.28	20.55	1.31
2.567	1.42	8.567	3.06	14.567	3.28	20.57	1.31
2.583	1.42	8.583	3.06	14.583	3.28	20.58	1.31
2.600	1.42	8.600	3.06	14.600	3.28	20.60	1.31
2.617	1.42	8.617	3.06	14.617	3.28	20.62	1.31
2.633	1.42	8.633	3.06	14.633	3.28	20.63	1.31
2.650	1.42	8.650	3.06	14.650	3.28	20.65	1.31
2.667	1.42	8.667	3.06	14.667	3.28	20.67	1.31
2.683	1.42	8.683	3.06	14.683	3.28	20.68	1.31
2.700	1.42	8.700	3.06	14.700	3.28	20.70	1.31
2.717	1.42	8.717	3.06	14.717	3.28	20.72	1.31
2.733	1.42	8.733	3.06	14.733	3.28	20.73	1.31
2.750	1.42	8.750	3.06	14.750	3.28	20.75	1.31
2.767	1.42	8.767	3.06	14.767	3.28	20.77	1.31

2.783	1.42	8.783	3.06	14.783	3.28	20.78	1.31
2.800	1.42	8.800	3.06	14.800	3.28	20.80	1.31
2.817	1.42	8.817	3.06	14.817	3.28	20.82	1.31
2.833	1.42	8.833	3.06	14.833	3.28	20.83	1.31
2.850	1.42	8.850	3.06	14.850	3.28	20.85	1.31
2.867	1.42	8.867	3.06	14.867	3.28	20.87	1.31
2.883	1.42	8.883	3.06	14.883	3.28	20.88	1.31
2.900	1.42	8.900	3.06	14.900	3.28	20.90	1.31
2.917	1.42	8.917	3.06	14.917	3.28	20.92	1.31
2.933	1.42	8.933	3.06	14.933	3.28	20.93	1.31
2.950	1.42	8.950	3.06	14.950	3.28	20.95	1.31
2.967	1.42	8.967	3.06	14.967	3.28	20.97	1.31
2.983	1.42	8.983	3.06	14.983	3.28	20.98	1.31
3.000	1.42	9.000	3.06	15.000	3.28	21.00	1.31
3.017	1.42	9.017	3.50	15.017	3.28	21.02	1.31
3.033	1.42	9.033	3.50	15.033	3.28	21.03	1.31
3.050	1.42	9.050	3.50	15.050	3.28	21.05	1.31
3.067	1.42	9.067	3.50	15.067	3.28	21.07	1.31
3.083	1.42	9.083	3.50	15.083	3.28	21.08	1.31
3.100	1.42	9.100	3.50	15.100	3.28	21.10	1.31
3.117	1.42	9.117	3.50	15.117	3.28	21.12	1.31
3.133	1.42	9.133	3.50	15.133	3.28	21.13	1.31
3.150	1.42	9.150	3.50	15.150	3.28	21.15	1.31
3.167	1.42	9.167	3.50	15.167	3.28	21.17	1.31
3.183	1.42	9.183	3.50	15.183	3.28	21.18	1.31
3.200	1.42	9.200	3.50	15.200	3.28	21.20	1.31
3.217	1.42	9.217	3.50	15.217	3.28	21.22	1.31
3.233	1.42	9.233	3.50	15.233	3.28	21.23	1.31
3.250	1.42	9.250	3.50	15.250	3.28	21.25	1.31
3.267	1.42	9.267	3.50	15.267	3.28	21.27	1.31
3.283	1.42	9.283	3.50	15.283	3.28	21.28	1.31
3.300	1.42	9.300	3.50	15.300	3.28	21.30	1.31
3.317	1.42	9.317	3.50	15.317	3.28	21.32	1.31
3.333	1.42	9.333	3.50	15.333	3.28	21.33	1.31
3.350	1.42	9.350	3.50	15.350	3.28	21.35	1.31
3.367	1.42	9.367	3.50	15.367	3.28	21.37	1.31
3.383	1.42	9.383	3.50	15.383	3.28	21.38	1.31
3.400	1.42	9.400	3.50	15.400	3.28	21.40	1.31
3.417	1.42	9.417	3.50	15.417	3.28	21.42	1.31
3.433	1.42	9.433	3.50	15.433	3.28	21.43	1.31
3.450	1.42	9.450	3.50	15.450	3.28	21.45	1.31
3.467	1.42	9.467	3.50	15.467	3.28	21.47	1.31
3.483	1.42	9.483	3.50	15.483	3.28	21.48	1.31
3.500	1.42	9.500	3.50	15.500	3.28	21.50	1.31
3.517	1.42	9.517	3.94	15.517	3.28	21.52	1.31
3.533	1.42	9.533	3.94	15.533	3.28	21.53	1.31
3.550	1.42	9.550	3.94	15.550	3.28	21.55	1.31
3.567	1.42	9.567	3.94	15.567	3.28	21.57	1.31
3.583	1.42	9.583	3.94	15.583	3.28	21.58	1.31
3.600	1.42	9.600	3.94	15.600	3.28	21.60	1.31
3.617	1.42	9.617	3.94	15.617	3.28	21.62	1.31
3.633	1.42	9.633	3.94	15.633	3.28	21.63	1.31
3.650	1.42	9.650	3.94	15.650	3.28	21.65	1.31
3.667	1.42	9.667	3.94	15.667	3.28	21.67	1.31
3.683	1.42	9.683	3.94	15.683	3.28	21.68	1.31
3.700	1.42	9.700	3.94	15.700	3.28	21.70	1.31
3.717	1.42	9.717	3.94	15.717	3.28	21.72	1.31
3.733	1.42	9.733	3.94	15.733	3.28	21.73	1.31
3.750	1.42	9.750	3.94	15.750	3.28	21.75	1.31
3.767	1.42	9.767	3.94	15.767	3.28	21.77	1.31
3.783	1.42	9.783	3.94	15.783	3.28	21.78	1.31
3.800	1.42	9.800	3.94	15.800	3.28	21.80	1.31
3.817	1.42	9.817	3.94	15.817	3.28	21.82	1.31
3.833	1.42	9.833	3.94	15.833	3.28	21.83	1.31
3.850	1.42	9.850	3.94	15.850	3.28	21.85	1.31
3.867	1.42	9.867	3.94	15.867	3.28	21.87	1.31
3.883	1.42	9.883	3.94	15.883	3.28	21.88	1.31
3.900	1.42	9.900	3.94	15.900	3.28	21.90	1.31
3.917	1.42	9.917	3.94	15.917	3.28	21.92	1.31
3.933	1.42	9.933	3.94	15.933	3.28	21.93	1.31
3.950	1.42	9.950	3.94	15.950	3.28	21.95	1.31
3.967	1.42	9.967	3.94	15.967	3.28	21.97	1.31
3.983	1.42	9.983	3.94	15.983	3.28	21.98	1.31
4.000	1.42	10.000	3.94	16.000	3.28	22.00	1.31
4.017	1.75	10.017	5.03	16.017	1.97	22.02	1.31
4.033	1.75	10.033	5.03	16.033	1.97	22.03	1.31
4.050	1.75	10.050	5.03	16.050	1.97	22.05	1.31
4.067	1.75	10.067	5.03	16.067	1.97	22.07	1.31
4.083	1.75	10.083	5.03	16.083	1.97	22.08	1.31
4.100	1.75	10.100	5.03	16.100	1.97	22.10	1.31
4.117	1.75	10.117	5.03	16.117	1.97	22.12	1.31
4.133	1.75	10.133	5.03	16.133	1.97	22.13	1.31
4.150	1.75	10.150	5.03	16.150	1.97	22.15	1.31
4.167	1.75	10.167	5.03	16.167	1.97	22.17	1.31

4.183	1.75	10.183	5.03	16.183	1.97	22.18	1.31
4.200	1.75	10.200	5.03	16.200	1.97	22.20	1.31
4.217	1.75	10.217	5.03	16.217	1.97	22.22	1.31
4.233	1.75	10.233	5.03	16.233	1.97	22.23	1.31
4.250	1.75	10.250	5.03	16.250	1.97	22.25	1.31
4.267	1.75	10.267	5.03	16.267	1.97	22.27	1.31
4.283	1.75	10.283	5.03	16.283	1.97	22.28	1.31
4.300	1.75	10.300	5.03	16.300	1.97	22.30	1.31
4.317	1.75	10.317	5.03	16.317	1.97	22.32	1.31
4.333	1.75	10.333	5.03	16.333	1.97	22.33	1.31
4.350	1.75	10.350	5.03	16.350	1.97	22.35	1.31
4.367	1.75	10.367	5.03	16.367	1.97	22.37	1.31
4.383	1.75	10.383	5.03	16.383	1.97	22.38	1.31
4.400	1.75	10.400	5.03	16.400	1.97	22.40	1.31
4.417	1.75	10.417	5.03	16.417	1.97	22.42	1.31
4.433	1.75	10.433	5.03	16.433	1.97	22.43	1.31
4.450	1.75	10.450	5.03	16.450	1.97	22.45	1.31
4.467	1.75	10.467	5.03	16.467	1.97	22.47	1.31
4.483	1.75	10.483	5.03	16.483	1.97	22.48	1.31
4.500	1.75	10.500	5.03	16.500	1.97	22.50	1.31
4.517	1.75	10.517	6.78	16.517	1.97	22.52	1.31
4.533	1.75	10.533	6.78	16.533	1.97	22.53	1.31
4.550	1.75	10.550	6.78	16.550	1.97	22.55	1.31
4.567	1.75	10.567	6.78	16.567	1.97	22.57	1.31
4.583	1.75	10.583	6.78	16.583	1.97	22.58	1.31
4.600	1.75	10.600	6.78	16.600	1.97	22.60	1.31
4.617	1.75	10.617	6.78	16.617	1.97	22.62	1.31
4.633	1.75	10.633	6.78	16.633	1.97	22.63	1.31
4.650	1.75	10.650	6.78	16.650	1.97	22.65	1.31
4.667	1.75	10.667	6.78	16.667	1.97	22.67	1.31
4.683	1.75	10.683	6.78	16.683	1.97	22.68	1.31
4.700	1.75	10.700	6.78	16.700	1.97	22.70	1.31
4.717	1.75	10.717	6.78	16.717	1.97	22.72	1.31
4.733	1.75	10.733	6.78	16.733	1.97	22.73	1.31
4.750	1.75	10.750	6.78	16.750	1.97	22.75	1.31
4.767	1.75	10.767	6.78	16.767	1.97	22.77	1.31
4.783	1.75	10.783	6.78	16.783	1.97	22.78	1.31
4.800	1.75	10.800	6.78	16.800	1.97	22.80	1.31
4.817	1.75	10.817	6.78	16.817	1.97	22.82	1.31
4.833	1.75	10.833	6.78	16.833	1.97	22.83	1.31
4.850	1.75	10.850	6.78	16.850	1.97	22.85	1.31
4.867	1.75	10.867	6.78	16.867	1.97	22.87	1.31
4.883	1.75	10.883	6.78	16.883	1.97	22.88	1.31
4.900	1.75	10.900	6.78	16.900	1.97	22.90	1.31
4.917	1.75	10.917	6.78	16.917	1.97	22.92	1.31
4.933	1.75	10.933	6.78	16.933	1.97	22.93	1.31
4.950	1.75	10.950	6.78	16.950	1.97	22.95	1.31
4.967	1.75	10.967	6.78	16.967	1.97	22.97	1.31
4.983	1.75	10.983	6.78	16.983	1.97	22.98	1.31
5.000	1.75	11.000	6.78	17.000	1.97	23.00	1.31
5.017	1.75	11.017	10.50	17.017	1.97	23.02	1.31
5.033	1.75	11.033	10.50	17.033	1.97	23.03	1.31
5.050	1.75	11.050	10.50	17.050	1.97	23.05	1.31
5.067	1.75	11.067	10.50	17.067	1.97	23.07	1.31
5.083	1.75	11.083	10.50	17.083	1.97	23.08	1.31
5.100	1.75	11.100	10.50	17.100	1.97	23.10	1.31
5.117	1.75	11.117	10.50	17.117	1.97	23.12	1.31
5.133	1.75	11.133	10.50	17.133	1.97	23.13	1.31
5.150	1.75	11.150	10.50	17.150	1.97	23.15	1.31
5.167	1.75	11.167	10.50	17.167	1.97	23.17	1.31
5.183	1.75	11.183	10.50	17.183	1.97	23.18	1.31
5.200	1.75	11.200	10.50	17.200	1.97	23.20	1.31
5.217	1.75	11.217	10.50	17.217	1.97	23.22	1.31
5.233	1.75	11.233	10.50	17.233	1.97	23.23	1.31
5.250	1.75	11.250	10.50	17.250	1.97	23.25	1.31
5.267	1.75	11.267	10.50	17.267	1.97	23.27	1.31
5.283	1.75	11.283	10.50	17.283	1.97	23.28	1.31
5.300	1.75	11.300	10.50	17.300	1.97	23.30	1.31
5.317	1.75	11.317	10.50	17.317	1.97	23.32	1.31
5.333	1.75	11.333	10.50	17.333	1.97	23.33	1.31
5.350	1.75	11.350	10.50	17.350	1.97	23.35	1.31
5.367	1.75	11.367	10.50	17.367	1.97	23.37	1.31
5.383	1.75	11.383	10.50	17.383	1.97	23.38	1.31
5.400	1.75	11.400	10.50	17.400	1.97	23.40	1.31
5.417	1.75	11.417	10.50	17.417	1.97	23.42	1.31
5.433	1.75	11.433	10.50	17.433	1.97	23.43	1.31
5.450	1.75	11.450	10.50	17.450	1.97	23.45	1.31
5.467	1.75	11.467	10.50	17.467	1.97	23.47	1.31
5.483	1.75	11.483	10.50	17.483	1.97	23.48	1.31
5.500	1.75	11.500	10.50	17.500	1.97	23.50	1.31
5.517	1.75	11.517	32.36	17.517	1.97	23.52	1.31
5.533	1.75	11.533	32.37	17.533	1.97	23.53	1.31
5.550	1.75	11.550	32.37	17.550	1.97	23.55	1.31
5.567	1.75	11.567	32.37	17.567	1.97	23.57	1.31

5.583	1.75	11.583	32.37	17.583	1.97	23.58	1.31
5.600	1.75	11.600	32.37	17.600	1.97	23.60	1.31
5.617	1.75	11.617	32.37	17.617	1.97	23.62	1.31
5.633	1.75	11.633	32.37	17.633	1.97	23.63	1.31
5.650	1.75	11.650	32.37	17.650	1.97	23.65	1.31
5.667	1.75	11.667	32.37	17.667	1.97	23.67	1.31
5.683	1.75	11.683	32.37	17.683	1.97	23.68	1.31
5.700	1.75	11.700	32.37	17.700	1.97	23.70	1.31
5.717	1.75	11.717	32.37	17.717	1.97	23.72	1.31
5.733	1.75	11.733	32.37	17.733	1.97	23.73	1.31
5.750	1.75	11.750	32.37	17.750	1.97	23.75	1.31
5.767	1.75	11.767	133.80	17.767	1.97	23.77	1.31
5.783	1.75	11.783	133.84	17.783	1.97	23.78	1.31
5.800	1.75	11.800	133.84	17.800	1.97	23.80	1.31
5.817	1.75	11.817	133.84	17.817	1.97	23.82	1.31
5.833	1.75	11.833	133.84	17.833	1.97	23.83	1.31
5.850	1.75	11.850	133.84	17.850	1.97	23.85	1.31
5.867	1.75	11.867	133.84	17.867	1.97	23.87	1.31
5.883	1.75	11.883	133.84	17.883	1.97	23.88	1.31
5.900	1.75	11.900	133.84	17.900	1.97	23.90	1.31
5.917	1.75	11.917	133.84	17.917	1.97	23.92	1.31
5.933	1.75	11.933	133.84	17.933	1.97	23.93	1.31
5.950	1.75	11.950	133.84	17.950	1.97	23.95	1.31
5.967	1.75	11.967	133.84	17.967	1.97	23.97	1.31
5.983	1.75	11.983	133.84	17.983	1.97	23.98	1.31
6.000	1.75	12.000	133.84	18.000	1.97	24.00	1.31

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.394 (i)
TIME TO PEAK (hrs)= 13.417
RUNOFF VOLUME (mm)= 22.999
TOTAL RAINFALL (mm)= 109.351
RUNOFF COEFFICIENT = 0.210

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB STANDHYD (0001) ID= 1 DT= 1.0 min	Area (ha)= 1.18 Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00
Surface Area (ha)= 0.26	IMPERVIOUS	PERVIOUS (i)
Dep. Storage (mm)= 2.00		
Average Slope (%)= 1.00		
Length (m)= 88.84		
Mannings n = 0.013		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.20	6.017	1.97	12.017	15.83	18.02	1.97
0.033	1.20	6.033	1.97	12.033	15.75	18.03	1.97
0.050	1.20	6.050	1.97	12.050	15.75	18.05	1.97
0.067	1.20	6.067	1.97	12.067	15.75	18.07	1.97
0.083	1.20	6.083	1.97	12.083	15.75	18.08	1.97
0.100	1.20	6.100	1.97	12.100	15.75	18.10	1.97
0.117	1.20	6.117	1.97	12.117	15.75	18.12	1.97
0.133	1.20	6.133	1.97	12.133	15.75	18.13	1.97
0.150	1.20	6.150	1.97	12.150	15.75	18.15	1.97
0.167	1.20	6.167	1.97	12.167	15.75	18.17	1.97
0.183	1.20	6.183	1.97	12.183	15.75	18.18	1.97
0.200	1.20	6.200	1.97	12.200	15.75	18.20	1.97
0.217	1.20	6.217	1.97	12.217	15.75	18.22	1.97
0.233	1.20	6.233	1.97	12.233	15.75	18.23	1.97
0.250	1.20	6.250	1.97	12.250	15.75	18.25	1.97
0.267	1.20	6.267	1.97	12.267	15.75	18.27	1.97
0.283	1.20	6.283	1.97	12.283	15.75	18.28	1.97
0.300	1.20	6.300	1.97	12.300	15.75	18.30	1.97
0.317	1.20	6.317	1.97	12.317	15.75	18.32	1.97
0.333	1.20	6.333	1.97	12.333	15.75	18.33	1.97
0.350	1.20	6.350	1.97	12.350	15.75	18.35	1.97
0.367	1.20	6.367	1.97	12.367	15.75	18.37	1.97
0.383	1.20	6.383	1.97	12.383	15.75	18.38	1.97
0.400	1.20	6.400	1.97	12.400	15.75	18.40	1.97
0.417	1.20	6.417	1.97	12.417	15.75	18.42	1.97
0.433	1.20	6.433	1.97	12.433	15.75	18.43	1.97
0.450	1.20	6.450	1.97	12.450	15.75	18.45	1.97
0.467	1.20	6.467	1.97	12.467	15.75	18.47	1.97

0.483	1.20	6.483	1.97	12.483	15.75	18.48	1.97
0.500	1.20	6.500	1.97	12.500	15.75	18.50	1.97
0.517	1.20	6.517	1.97	12.517	8.10	18.52	1.97
0.533	1.20	6.533	1.97	12.533	8.09	18.53	1.97
0.550	1.20	6.550	1.97	12.550	8.09	18.55	1.97
0.567	1.20	6.567	1.97	12.567	8.09	18.57	1.97
0.583	1.20	6.583	1.97	12.583	8.09	18.58	1.97
0.600	1.20	6.600	1.97	12.600	8.09	18.60	1.97
0.617	1.20	6.617	1.97	12.617	8.09	18.62	1.97
0.633	1.20	6.633	1.97	12.633	8.09	18.63	1.97
0.650	1.20	6.650	1.97	12.650	8.09	18.65	1.97
0.667	1.20	6.667	1.97	12.667	8.09	18.67	1.97
0.683	1.20	6.683	1.97	12.683	8.09	18.68	1.97
0.700	1.20	6.700	1.97	12.700	8.09	18.70	1.97
0.717	1.20	6.717	1.97	12.717	8.09	18.72	1.97
0.733	1.20	6.733	1.97	12.733	8.09	18.73	1.97
0.750	1.20	6.750	1.97	12.750	8.09	18.75	1.97
0.767	1.20	6.767	1.97	12.767	8.09	18.77	1.97
0.783	1.20	6.783	1.97	12.783	8.09	18.78	1.97
0.800	1.20	6.800	1.97	12.800	8.09	18.80	1.97
0.817	1.20	6.817	1.97	12.817	8.09	18.82	1.97
0.833	1.20	6.833	1.97	12.833	8.09	18.83	1.97
0.850	1.20	6.850	1.97	12.850	8.09	18.85	1.97
0.867	1.20	6.867	1.97	12.867	8.09	18.87	1.97
0.883	1.20	6.883	1.97	12.883	8.09	18.88	1.97
0.900	1.20	6.900	1.97	12.900	8.09	18.90	1.97
0.917	1.20	6.917	1.97	12.917	8.09	18.92	1.97
0.933	1.20	6.933	1.97	12.933	8.09	18.93	1.97
0.950	1.20	6.950	1.97	12.950	8.09	18.95	1.97
0.967	1.20	6.967	1.97	12.967	8.09	18.97	1.97
0.983	1.20	6.983	1.97	12.983	8.09	18.98	1.97
1.000	1.20	7.000	1.97	13.000	8.09	19.00	1.97
1.017	1.20	7.017	2.41	13.017	5.91	19.02	1.97
1.033	1.20	7.033	2.41	13.033	5.90	19.03	1.97
1.050	1.20	7.050	2.41	13.050	5.90	19.05	1.97
1.067	1.20	7.067	2.41	13.067	5.90	19.07	1.97
1.083	1.20	7.083	2.41	13.083	5.90	19.08	1.97
1.100	1.20	7.100	2.41	13.100	5.90	19.10	1.97
1.117	1.20	7.117	2.41	13.117	5.90	19.12	1.97
1.133	1.20	7.133	2.41	13.133	5.90	19.13	1.97
1.150	1.20	7.150	2.41	13.150	5.90	19.15	1.97
1.167	1.20	7.167	2.41	13.167	5.90	19.17	1.97
1.183	1.20	7.183	2.41	13.183	5.90	19.18	1.97
1.200	1.20	7.200	2.41	13.200	5.90	19.20	1.97
1.217	1.20	7.217	2.41	13.217	5.90	19.22	1.97
1.233	1.20	7.233	2.41	13.233	5.90	19.23	1.97
1.250	1.20	7.250	2.41	13.250	5.90	19.25	1.97
1.267	1.20	7.267	2.41	13.267	5.90	19.27	1.97
1.283	1.20	7.283	2.41	13.283	5.90	19.28	1.97
1.300	1.20	7.300	2.41	13.300	5.90	19.30	1.97
1.317	1.20	7.317	2.41	13.317	5.90	19.32	1.97
1.333	1.20	7.333	2.41	13.333	5.90	19.33	1.97
1.350	1.20	7.350	2.41	13.350	5.90	19.35	1.97
1.367	1.20	7.367	2.41	13.367	5.90	19.37	1.97
1.383	1.20	7.383	2.41	13.383	5.90	19.38	1.97
1.400	1.20	7.400	2.41	13.400	5.90	19.40	1.97
1.417	1.20	7.417	2.41	13.417	5.90	19.42	1.97
1.433	1.20	7.433	2.41	13.433	5.90	19.43	1.97
1.450	1.20	7.450	2.41	13.450	5.90	19.45	1.97
1.467	1.20	7.467	2.41	13.467	5.90	19.47	1.97
1.483	1.20	7.483	2.41	13.483	5.90	19.48	1.97
1.500	1.20	7.500	2.41	13.500	5.90	19.50	1.97
1.517	1.20	7.517	2.41	13.517	4.60	19.52	1.97
1.533	1.20	7.533	2.41	13.533	4.59	19.53	1.97
1.550	1.20	7.550	2.41	13.550	4.59	19.55	1.97
1.567	1.20	7.567	2.41	13.567	4.59	19.57	1.97
1.583	1.20	7.583	2.41	13.583	4.59	19.58	1.97
1.600	1.20	7.600	2.41	13.600	4.59	19.60	1.97
1.617	1.20	7.617	2.41	13.617	4.59	19.62	1.97
1.633	1.20	7.633	2.41	13.633	4.59	19.63	1.97
1.650	1.20	7.650	2.41	13.650	4.59	19.65	1.97
1.667	1.20	7.667	2.41	13.667	4.59	19.67	1.97
1.683	1.20	7.683	2.41	13.683	4.59	19.68	1.97
1.700	1.20	7.700	2.41	13.700	4.59	19.70	1.97
1.717	1.20	7.717	2.41	13.717	4.59	19.72	1.97
1.733	1.20	7.733	2.41	13.733	4.59	19.73	1.97
1.750	1.20	7.750	2.41	13.750	4.59	19.75	1.97
1.767	1.20	7.767	2.41	13.767	4.59	19.77	1.97
1.783	1.20	7.783	2.41	13.783	4.59	19.78	1.97
1.800	1.20	7.800	2.41	13.800	4.59	19.80	1.97
1.817	1.20	7.817	2.41	13.817	4.59	19.82	1.97
1.833	1.20	7.833	2.41	13.833	4.59	19.83	1.97
1.850	1.20	7.850	2.41	13.850	4.59	19.85	1.97
1.867	1.20	7.867	2.41	13.867	4.59	19.87	1.97

1.883	1.20	7.883	2.41	13.883	4.59	19.88	1.97
1.900	1.20	7.900	2.41	13.900	4.59	19.90	1.97
1.917	1.20	7.917	2.41	13.917	4.59	19.92	1.97
1.933	1.20	7.933	2.41	13.933	4.59	19.93	1.97
1.950	1.20	7.950	2.41	13.950	4.59	19.95	1.97
1.967	1.20	7.967	2.41	13.967	4.59	19.97	1.97
1.983	1.20	7.983	2.41	13.983	4.59	19.98	1.97
2.000	1.20	8.000	2.41	14.000	4.59	20.00	1.97
2.017	1.42	8.017	2.84	14.017	3.28	20.02	1.32
2.033	1.42	8.033	2.84	14.033	3.28	20.03	1.31
2.050	1.42	8.050	2.84	14.050	3.28	20.05	1.31
2.067	1.42	8.067	2.84	14.067	3.28	20.07	1.31
2.083	1.42	8.083	2.84	14.083	3.28	20.08	1.31
2.100	1.42	8.100	2.84	14.100	3.28	20.10	1.31
2.117	1.42	8.117	2.84	14.117	3.28	20.12	1.31
2.133	1.42	8.133	2.84	14.133	3.28	20.13	1.31
2.150	1.42	8.150	2.84	14.150	3.28	20.15	1.31
2.167	1.42	8.167	2.84	14.167	3.28	20.17	1.31
2.183	1.42	8.183	2.84	14.183	3.28	20.18	1.31
2.200	1.42	8.200	2.84	14.200	3.28	20.20	1.31
2.217	1.42	8.217	2.84	14.217	3.28	20.22	1.31
2.233	1.42	8.233	2.84	14.233	3.28	20.23	1.31
2.250	1.42	8.250	2.84	14.250	3.28	20.25	1.31
2.267	1.42	8.267	2.84	14.267	3.28	20.27	1.31
2.283	1.42	8.283	2.84	14.283	3.28	20.28	1.31
2.300	1.42	8.300	2.84	14.300	3.28	20.30	1.31
2.317	1.42	8.317	2.84	14.317	3.28	20.32	1.31
2.333	1.42	8.333	2.84	14.333	3.28	20.33	1.31
2.350	1.42	8.350	2.84	14.350	3.28	20.35	1.31
2.367	1.42	8.367	2.84	14.367	3.28	20.37	1.31
2.383	1.42	8.383	2.84	14.383	3.28	20.38	1.31
2.400	1.42	8.400	2.84	14.400	3.28	20.40	1.31
2.417	1.42	8.417	2.84	14.417	3.28	20.42	1.31
2.433	1.42	8.433	2.84	14.433	3.28	20.43	1.31
2.450	1.42	8.450	2.84	14.450	3.28	20.45	1.31
2.467	1.42	8.467	2.84	14.467	3.28	20.47	1.31
2.483	1.42	8.483	2.84	14.483	3.28	20.48	1.31
2.500	1.42	8.500	2.84	14.500	3.28	20.50	1.31
2.517	1.42	8.517	3.06	14.517	3.28	20.52	1.31
2.533	1.42	8.533	3.06	14.533	3.28	20.53	1.31
2.550	1.42	8.550	3.06	14.550	3.28	20.55	1.31
2.567	1.42	8.567	3.06	14.567	3.28	20.57	1.31
2.583	1.42	8.583	3.06	14.583	3.28	20.58	1.31
2.600	1.42	8.600	3.06	14.600	3.28	20.60	1.31
2.617	1.42	8.617	3.06	14.617	3.28	20.62	1.31
2.633	1.42	8.633	3.06	14.633	3.28	20.63	1.31
2.650	1.42	8.650	3.06	14.650	3.28	20.65	1.31
2.667	1.42	8.667	3.06	14.667	3.28	20.67	1.31
2.683	1.42	8.683	3.06	14.683	3.28	20.68	1.31
2.700	1.42	8.700	3.06	14.700	3.28	20.70	1.31
2.717	1.42	8.717	3.06	14.717	3.28	20.72	1.31
2.733	1.42	8.733	3.06	14.733	3.28	20.73	1.31
2.750	1.42	8.750	3.06	14.750	3.28	20.75	1.31
2.767	1.42	8.767	3.06	14.767	3.28	20.77	1.31
2.783	1.42	8.783	3.06	14.783	3.28	20.78	1.31
2.800	1.42	8.800	3.06	14.800	3.28	20.80	1.31
2.817	1.42	8.817	3.06	14.817	3.28	20.82	1.31
2.833	1.42	8.833	3.06	14.833	3.28	20.83	1.31
2.850	1.42	8.850	3.06	14.850	3.28	20.85	1.31
2.867	1.42	8.867	3.06	14.867	3.28	20.87	1.31
2.883	1.42	8.883	3.06	14.883	3.28	20.88	1.31
2.900	1.42	8.900	3.06	14.900	3.28	20.90	1.31
2.917	1.42	8.917	3.06	14.917	3.28	20.92	1.31
2.933	1.42	8.933	3.06	14.933	3.28	20.93	1.31
2.950	1.42	8.950	3.06	14.950	3.28	20.95	1.31
2.967	1.42	8.967	3.06	14.967	3.28	20.97	1.31
2.983	1.42	8.983	3.06	14.983	3.28	20.98	1.31
3.000	1.42	9.000	3.06	15.000	3.28	21.00	1.31
3.017	1.42	9.017	3.50	15.017	3.28	21.02	1.31
3.033	1.42	9.033	3.50	15.033	3.28	21.03	1.31
3.050	1.42	9.050	3.50	15.050	3.28	21.05	1.31
3.067	1.42	9.067	3.50	15.067	3.28	21.07	1.31
3.083	1.42	9.083	3.50	15.083	3.28	21.08	1.31
3.100	1.42	9.100	3.50	15.100	3.28	21.10	1.31
3.117	1.42	9.117	3.50	15.117	3.28	21.12	1.31
3.133	1.42	9.133	3.50	15.133	3.28	21.13	1.31
3.150	1.42	9.150	3.50	15.150	3.28	21.15	1.31
3.167	1.42	9.167	3.50	15.167	3.28	21.17	1.31
3.183	1.42	9.183	3.50	15.183	3.28	21.18	1.31
3.200	1.42	9.200	3.50	15.200	3.28	21.20	1.31
3.217	1.42	9.217	3.50	15.217	3.28	21.22	1.31
3.233	1.42	9.233	3.50	15.233	3.28	21.23	1.31
3.250	1.42	9.250	3.50	15.250	3.28	21.25	1.31
3.267	1.42	9.267	3.50	15.267	3.28	21.27	1.31

3.283	1.42	9.283	3.50	15.283	3.28	21.28	1.31
3.300	1.42	9.300	3.50	15.300	3.28	21.30	1.31
3.317	1.42	9.317	3.50	15.317	3.28	21.32	1.31
3.333	1.42	9.333	3.50	15.333	3.28	21.33	1.31
3.350	1.42	9.350	3.50	15.350	3.28	21.35	1.31
3.367	1.42	9.367	3.50	15.367	3.28	21.37	1.31
3.383	1.42	9.383	3.50	15.383	3.28	21.38	1.31
3.400	1.42	9.400	3.50	15.400	3.28	21.40	1.31
3.417	1.42	9.417	3.50	15.417	3.28	21.42	1.31
3.433	1.42	9.433	3.50	15.433	3.28	21.43	1.31
3.450	1.42	9.450	3.50	15.450	3.28	21.45	1.31
3.467	1.42	9.467	3.50	15.467	3.28	21.47	1.31
3.483	1.42	9.483	3.50	15.483	3.28	21.48	1.31
3.500	1.42	9.500	3.50	15.500	3.28	21.50	1.31
3.517	1.42	9.517	3.94	15.517	3.28	21.52	1.31
3.533	1.42	9.533	3.94	15.533	3.28	21.53	1.31
3.550	1.42	9.550	3.94	15.550	3.28	21.55	1.31
3.567	1.42	9.567	3.94	15.567	3.28	21.57	1.31
3.583	1.42	9.583	3.94	15.583	3.28	21.58	1.31
3.600	1.42	9.600	3.94	15.600	3.28	21.60	1.31
3.617	1.42	9.617	3.94	15.617	3.28	21.62	1.31
3.633	1.42	9.633	3.94	15.633	3.28	21.63	1.31
3.650	1.42	9.650	3.94	15.650	3.28	21.65	1.31
3.667	1.42	9.667	3.94	15.667	3.28	21.67	1.31
3.683	1.42	9.683	3.94	15.683	3.28	21.68	1.31
3.700	1.42	9.700	3.94	15.700	3.28	21.70	1.31
3.717	1.42	9.717	3.94	15.717	3.28	21.72	1.31
3.733	1.42	9.733	3.94	15.733	3.28	21.73	1.31
3.750	1.42	9.750	3.94	15.750	3.28	21.75	1.31
3.767	1.42	9.767	3.94	15.767	3.28	21.77	1.31
3.783	1.42	9.783	3.94	15.783	3.28	21.78	1.31
3.800	1.42	9.800	3.94	15.800	3.28	21.80	1.31
3.817	1.42	9.817	3.94	15.817	3.28	21.82	1.31
3.833	1.42	9.833	3.94	15.833	3.28	21.83	1.31
3.850	1.42	9.850	3.94	15.850	3.28	21.85	1.31
3.867	1.42	9.867	3.94	15.867	3.28	21.87	1.31
3.883	1.42	9.883	3.94	15.883	3.28	21.88	1.31
3.900	1.42	9.900	3.94	15.900	3.28	21.90	1.31
3.917	1.42	9.917	3.94	15.917	3.28	21.92	1.31
3.933	1.42	9.933	3.94	15.933	3.28	21.93	1.31
3.950	1.42	9.950	3.94	15.950	3.28	21.95	1.31
3.967	1.42	9.967	3.94	15.967	3.28	21.97	1.31
3.983	1.42	9.983	3.94	15.983	3.28	21.98	1.31
4.000	1.42	10.000	3.94	16.000	3.28	22.00	1.31
4.017	1.75	10.017	5.03	16.017	1.97	22.02	1.31
4.033	1.75	10.033	5.03	16.033	1.97	22.03	1.31
4.050	1.75	10.050	5.03	16.050	1.97	22.05	1.31
4.067	1.75	10.067	5.03	16.067	1.97	22.07	1.31
4.083	1.75	10.083	5.03	16.083	1.97	22.08	1.31
4.100	1.75	10.100	5.03	16.100	1.97	22.10	1.31
4.117	1.75	10.117	5.03	16.117	1.97	22.12	1.31
4.133	1.75	10.133	5.03	16.133	1.97	22.13	1.31
4.150	1.75	10.150	5.03	16.150	1.97	22.15	1.31
4.167	1.75	10.167	5.03	16.167	1.97	22.17	1.31
4.183	1.75	10.183	5.03	16.183	1.97	22.18	1.31
4.200	1.75	10.200	5.03	16.200	1.97	22.20	1.31
4.217	1.75	10.217	5.03	16.217	1.97	22.22	1.31
4.233	1.75	10.233	5.03	16.233	1.97	22.23	1.31
4.250	1.75	10.250	5.03	16.250	1.97	22.25	1.31
4.267	1.75	10.267	5.03	16.267	1.97	22.27	1.31
4.283	1.75	10.283	5.03	16.283	1.97	22.28	1.31
4.300	1.75	10.300	5.03	16.300	1.97	22.30	1.31
4.317	1.75	10.317	5.03	16.317	1.97	22.32	1.31
4.333	1.75	10.333	5.03	16.333	1.97	22.33	1.31
4.350	1.75	10.350	5.03	16.350	1.97	22.35	1.31
4.367	1.75	10.367	5.03	16.367	1.97	22.37	1.31
4.383	1.75	10.383	5.03	16.383	1.97	22.38	1.31
4.400	1.75	10.400	5.03	16.400	1.97	22.40	1.31
4.417	1.75	10.417	5.03	16.417	1.97	22.42	1.31
4.433	1.75	10.433	5.03	16.433	1.97	22.43	1.31
4.450	1.75	10.450	5.03	16.450	1.97	22.45	1.31
4.467	1.75	10.467	5.03	16.467	1.97	22.47	1.31
4.483	1.75	10.483	5.03	16.483	1.97	22.48	1.31
4.500	1.75	10.500	5.03	16.500	1.97	22.50	1.31
4.517	1.75	10.517	6.78	16.517	1.97	22.52	1.31
4.533	1.75	10.533	6.78	16.533	1.97	22.53	1.31
4.550	1.75	10.550	6.78	16.550	1.97	22.55	1.31
4.567	1.75	10.567	6.78	16.567	1.97	22.57	1.31
4.583	1.75	10.583	6.78	16.583	1.97	22.58	1.31
4.600	1.75	10.600	6.78	16.600	1.97	22.60	1.31
4.617	1.75	10.617	6.78	16.617	1.97	22.62	1.31
4.633	1.75	10.633	6.78	16.633	1.97	22.63	1.31
4.650	1.75	10.650	6.78	16.650	1.97	22.65	1.31
4.667	1.75	10.667	6.78	16.667	1.97	22.67	1.31

4.683	1.75	10.683	6.78	16.683	1.97	22.68	1.31
4.700	1.75	10.700	6.78	16.700	1.97	22.70	1.31
4.717	1.75	10.717	6.78	16.717	1.97	22.72	1.31
4.733	1.75	10.733	6.78	16.733	1.97	22.73	1.31
4.750	1.75	10.750	6.78	16.750	1.97	22.75	1.31
4.767	1.75	10.767	6.78	16.767	1.97	22.77	1.31
4.783	1.75	10.783	6.78	16.783	1.97	22.78	1.31
4.800	1.75	10.800	6.78	16.800	1.97	22.80	1.31
4.817	1.75	10.817	6.78	16.817	1.97	22.82	1.31
4.833	1.75	10.833	6.78	16.833	1.97	22.83	1.31
4.850	1.75	10.850	6.78	16.850	1.97	22.85	1.31
4.867	1.75	10.867	6.78	16.867	1.97	22.87	1.31
4.883	1.75	10.883	6.78	16.883	1.97	22.88	1.31
4.900	1.75	10.900	6.78	16.900	1.97	22.90	1.31
4.917	1.75	10.917	6.78	16.917	1.97	22.92	1.31
4.933	1.75	10.933	6.78	16.933	1.97	22.93	1.31
4.950	1.75	10.950	6.78	16.950	1.97	22.95	1.31
4.967	1.75	10.967	6.78	16.967	1.97	22.97	1.31
4.983	1.75	10.983	6.78	16.983	1.97	22.98	1.31
5.000	1.75	11.000	6.78	17.000	1.97	23.00	1.31
5.017	1.75	11.017	10.50	17.017	1.97	23.02	1.31
5.033	1.75	11.033	10.50	17.033	1.97	23.03	1.31
5.050	1.75	11.050	10.50	17.050	1.97	23.05	1.31
5.067	1.75	11.067	10.50	17.067	1.97	23.07	1.31
5.083	1.75	11.083	10.50	17.083	1.97	23.08	1.31
5.100	1.75	11.100	10.50	17.100	1.97	23.10	1.31
5.117	1.75	11.117	10.50	17.117	1.97	23.12	1.31
5.133	1.75	11.133	10.50	17.133	1.97	23.13	1.31
5.150	1.75	11.150	10.50	17.150	1.97	23.15	1.31
5.167	1.75	11.167	10.50	17.167	1.97	23.17	1.31
5.183	1.75	11.183	10.50	17.183	1.97	23.18	1.31
5.200	1.75	11.200	10.50	17.200	1.97	23.20	1.31
5.217	1.75	11.217	10.50	17.217	1.97	23.22	1.31
5.233	1.75	11.233	10.50	17.233	1.97	23.23	1.31
5.250	1.75	11.250	10.50	17.250	1.97	23.25	1.31
5.267	1.75	11.267	10.50	17.267	1.97	23.27	1.31
5.283	1.75	11.283	10.50	17.283	1.97	23.28	1.31
5.300	1.75	11.300	10.50	17.300	1.97	23.30	1.31
5.317	1.75	11.317	10.50	17.317	1.97	23.32	1.31
5.333	1.75	11.333	10.50	17.333	1.97	23.33	1.31
5.350	1.75	11.350	10.50	17.350	1.97	23.35	1.31
5.367	1.75	11.367	10.50	17.367	1.97	23.37	1.31
5.383	1.75	11.383	10.50	17.383	1.97	23.38	1.31
5.400	1.75	11.400	10.50	17.400	1.97	23.40	1.31
5.417	1.75	11.417	10.50	17.417	1.97	23.42	1.31
5.433	1.75	11.433	10.50	17.433	1.97	23.43	1.31
5.450	1.75	11.450	10.50	17.450	1.97	23.45	1.31
5.467	1.75	11.467	10.50	17.467	1.97	23.47	1.31
5.483	1.75	11.483	10.50	17.483	1.97	23.48	1.31
5.500	1.75	11.500	10.50	17.500	1.97	23.50	1.31
5.517	1.75	11.517	32.36	17.517	1.97	23.52	1.31
5.533	1.75	11.533	32.37	17.533	1.97	23.53	1.31
5.550	1.75	11.550	32.37	17.550	1.97	23.55	1.31
5.567	1.75	11.567	32.37	17.567	1.97	23.57	1.31
5.583	1.75	11.583	32.37	17.583	1.97	23.58	1.31
5.600	1.75	11.600	32.37	17.600	1.97	23.60	1.31
5.617	1.75	11.617	32.37	17.617	1.97	23.62	1.31
5.633	1.75	11.633	32.37	17.633	1.97	23.63	1.31
5.650	1.75	11.650	32.37	17.650	1.97	23.65	1.31
5.667	1.75	11.667	32.37	17.667	1.97	23.67	1.31
5.683	1.75	11.683	32.37	17.683	1.97	23.68	1.31
5.700	1.75	11.700	32.37	17.700	1.97	23.70	1.31
5.717	1.75	11.717	32.37	17.717	1.97	23.72	1.31
5.733	1.75	11.733	32.37	17.733	1.97	23.73	1.31
5.750	1.75	11.750	32.37	17.750	1.97	23.75	1.31
5.767	1.75	11.767	133.80	17.767	1.97	23.77	1.31
5.783	1.75	11.783	133.84	17.783	1.97	23.78	1.31
5.800	1.75	11.800	133.84	17.800	1.97	23.80	1.31
5.817	1.75	11.817	133.84	17.817	1.97	23.82	1.31
5.833	1.75	11.833	133.84	17.833	1.97	23.83	1.31
5.850	1.75	11.850	133.84	17.850	1.97	23.85	1.31
5.867	1.75	11.867	133.84	17.867	1.97	23.87	1.31
5.883	1.75	11.883	133.84	17.883	1.97	23.88	1.31
5.900	1.75	11.900	133.84	17.900	1.97	23.90	1.31
5.917	1.75	11.917	133.84	17.917	1.97	23.92	1.31
5.933	1.75	11.933	133.84	17.933	1.97	23.93	1.31
5.950	1.75	11.950	133.84	17.950	1.97	23.95	1.31
5.967	1.75	11.967	133.84	17.967	1.97	23.97	1.31
5.983	1.75	11.983	133.84	17.983	1.97	23.98	1.31
6.000	1.75	12.000	133.84	18.000	1.97	24.00	1.31

Max.Eff.Inten.(mm/hr)= 133.84 49.45
over (min) 5.00 12.00
Storage Coeff. (min)= 2.12 (ii) 11.47 (ii)

Unit Hyd. Tpeak (min)=	5.00	12.00	
Unit Hyd. peak (cms)=	0.36	0.10	
			TOTALS
PEAK FLOW (cms)=	0.10	0.08	0.162 (iii)
TIME TO PEAK (hrs)=	12.00	12.10	12.02
RUNOFF VOLUME (mm)=	107.35	33.95	50.09
TOTAL RAINFALL (mm)=	109.35	109.35	109.35
RUNOFF COEFFICIENT =	0.98	0.31	0.46

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)				
1 + 2 = 3				

	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0001):	1.18	0.162	12.02	50.09
+ ID2= 2 (0003):	19.20	0.394	13.42	23.00
=====				
ID = 3 (0005):	20.39	0.406	13.40	33.64

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:4.6 SCS II 24hr 100yr **

MASS STORM		Filename: C:\Users\rbrockie\AppData
		ata\Local\Temp\
		6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\8d35ac67
Ptotal=119.65 mm		Comments: SCS 24 HOUR TYPE II STORM DISTRIBUTION 1

		Duration of storm = 24.00 hrs
		Mass curve time step = 15.00 min

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	1.32	6.00	2.15	12.00	17.23	18.00	2.15
0.25	1.32	6.25	2.15	12.25	17.23	18.25	2.15
0.50	1.32	6.50	2.15	12.50	8.85	18.50	2.15
0.75	1.32	6.75	2.15	12.75	8.85	18.75	2.15
1.00	1.32	7.00	2.63	13.00	6.46	19.00	2.15
1.25	1.32	7.25	2.63	13.25	6.46	19.25	2.15
1.50	1.32	7.50	2.63	13.50	5.03	19.50	2.15
1.75	1.32	7.75	2.63	13.75	5.03	19.75	2.15
2.00	1.56	8.00	3.11	14.00	3.59	20.00	1.44
2.25	1.56	8.25	3.11	14.25	3.59	20.25	1.44
2.50	1.56	8.50	3.35	14.50	3.59	20.50	1.44
2.75	1.56	8.75	3.35	14.75	3.59	20.75	1.44
3.00	1.56	9.00	3.83	15.00	3.59	21.00	1.44
3.25	1.56	9.25	3.83	15.25	3.59	21.25	1.44
3.50	1.56	9.50	4.31	15.50	3.59	21.50	1.44
3.75	1.56	9.75	4.31	15.75	3.59	21.75	1.44
4.00	1.91	10.00	5.50	16.00	2.15	22.00	1.44
4.25	1.91	10.25	5.50	16.25	2.15	22.25	1.44
4.50	1.91	10.50	7.42	16.50	2.15	22.50	1.44
4.75	1.91	10.75	7.42	16.75	2.15	22.75	1.44
5.00	1.91	11.00	11.49	17.00	2.15	23.00	1.44
5.25	1.91	11.25	11.49	17.25	2.15	23.25	1.44
5.50	1.91	11.50	35.42	17.50	2.15	23.50	1.44
5.75	1.91	11.75	146.45	17.75	2.15	23.75	1.44

CALIB		
NASHYD (0003)		Area (ha)= 19.20
ID= 1 DT= 1.0 min		Ia (mm)= 9.10
-----		U.H. Tp(hrs)= 1.32
		Curve Number (CN)= 55.0
		# of Linear Res.(N)= 3.00

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.32	6.017	2.15	12.017	17.32	18.02	2.15
0.033	1.32	6.033	2.15	12.033	17.23	18.03	2.15
0.050	1.32	6.050	2.15	12.050	17.23	18.05	2.15

0.067	1.32	6.067	2.15	12.067	17.23	18.07	2.15
0.083	1.32	6.083	2.15	12.083	17.23	18.08	2.15
0.100	1.32	6.100	2.15	12.100	17.23	18.10	2.15
0.117	1.32	6.117	2.15	12.117	17.23	18.12	2.15
0.133	1.32	6.133	2.15	12.133	17.23	18.13	2.15
0.150	1.32	6.150	2.15	12.150	17.23	18.15	2.15
0.167	1.32	6.167	2.15	12.167	17.23	18.17	2.15
0.183	1.32	6.183	2.15	12.183	17.23	18.18	2.15
0.200	1.32	6.200	2.15	12.200	17.23	18.20	2.15
0.217	1.32	6.217	2.15	12.217	17.23	18.22	2.15
0.233	1.32	6.233	2.15	12.233	17.23	18.23	2.15
0.250	1.32	6.250	2.15	12.250	17.23	18.25	2.15
0.267	1.32	6.267	2.15	12.267	17.23	18.27	2.15
0.283	1.32	6.283	2.15	12.283	17.23	18.28	2.15
0.300	1.32	6.300	2.15	12.300	17.23	18.30	2.15
0.317	1.32	6.317	2.15	12.317	17.23	18.32	2.15
0.333	1.32	6.333	2.15	12.333	17.23	18.33	2.15
0.350	1.32	6.350	2.15	12.350	17.23	18.35	2.15
0.367	1.32	6.367	2.15	12.367	17.23	18.37	2.15
0.383	1.32	6.383	2.15	12.383	17.23	18.38	2.15
0.400	1.32	6.400	2.15	12.400	17.23	18.40	2.15
0.417	1.32	6.417	2.15	12.417	17.23	18.42	2.15
0.433	1.32	6.433	2.15	12.433	17.23	18.43	2.15
0.450	1.32	6.450	2.15	12.450	17.23	18.45	2.15
0.467	1.32	6.467	2.15	12.467	17.23	18.47	2.15
0.483	1.32	6.483	2.15	12.483	17.23	18.48	2.15
0.500	1.32	6.500	2.15	12.500	17.23	18.50	2.15
0.517	1.32	6.517	2.15	12.517	8.86	18.52	2.15
0.533	1.32	6.533	2.15	12.533	8.85	18.53	2.15
0.550	1.32	6.550	2.15	12.550	8.85	18.55	2.15
0.567	1.32	6.567	2.15	12.567	8.85	18.57	2.15
0.583	1.32	6.583	2.15	12.583	8.85	18.58	2.15
0.600	1.32	6.600	2.15	12.600	8.85	18.60	2.15
0.617	1.32	6.617	2.15	12.617	8.85	18.62	2.15
0.633	1.32	6.633	2.15	12.633	8.85	18.63	2.15
0.650	1.32	6.650	2.15	12.650	8.85	18.65	2.15
0.667	1.32	6.667	2.15	12.667	8.85	18.67	2.15
0.683	1.32	6.683	2.15	12.683	8.85	18.68	2.15
0.700	1.32	6.700	2.15	12.700	8.85	18.70	2.15
0.717	1.32	6.717	2.15	12.717	8.85	18.72	2.15
0.733	1.32	6.733	2.15	12.733	8.85	18.73	2.15
0.750	1.32	6.750	2.15	12.750	8.85	18.75	2.15
0.767	1.32	6.767	2.15	12.767	8.85	18.77	2.15
0.783	1.32	6.783	2.15	12.783	8.85	18.78	2.15
0.800	1.32	6.800	2.15	12.800	8.85	18.80	2.15
0.817	1.32	6.817	2.15	12.817	8.85	18.82	2.15
0.833	1.32	6.833	2.15	12.833	8.85	18.83	2.15
0.850	1.32	6.850	2.15	12.850	8.85	18.85	2.15
0.867	1.32	6.867	2.15	12.867	8.85	18.87	2.15
0.883	1.32	6.883	2.15	12.883	8.85	18.88	2.15
0.900	1.32	6.900	2.15	12.900	8.85	18.90	2.15
0.917	1.32	6.917	2.15	12.917	8.85	18.92	2.15
0.933	1.32	6.933	2.15	12.933	8.85	18.93	2.15
0.950	1.32	6.950	2.15	12.950	8.85	18.95	2.15
0.967	1.32	6.967	2.15	12.967	8.85	18.97	2.15
0.983	1.32	6.983	2.15	12.983	8.85	18.98	2.15
1.000	1.32	7.000	2.15	13.000	8.85	19.00	2.15
1.017	1.32	7.017	2.63	13.017	6.46	19.02	2.15
1.033	1.32	7.033	2.63	13.033	6.46	19.03	2.15
1.050	1.32	7.050	2.63	13.050	6.46	19.05	2.15
1.067	1.32	7.067	2.63	13.067	6.46	19.07	2.15
1.083	1.32	7.083	2.63	13.083	6.46	19.08	2.15
1.100	1.32	7.100	2.63	13.100	6.46	19.10	2.15
1.117	1.32	7.117	2.63	13.117	6.46	19.12	2.15
1.133	1.32	7.133	2.63	13.133	6.46	19.13	2.15
1.150	1.32	7.150	2.63	13.150	6.46	19.15	2.15
1.167	1.32	7.167	2.63	13.167	6.46	19.17	2.15
1.183	1.32	7.183	2.63	13.183	6.46	19.18	2.15
1.200	1.32	7.200	2.63	13.200	6.46	19.20	2.15
1.217	1.32	7.217	2.63	13.217	6.46	19.22	2.15
1.233	1.32	7.233	2.63	13.233	6.46	19.23	2.15
1.250	1.32	7.250	2.63	13.250	6.46	19.25	2.15
1.267	1.32	7.267	2.63	13.267	6.46	19.27	2.15
1.283	1.32	7.283	2.63	13.283	6.46	19.28	2.15
1.300	1.32	7.300	2.63	13.300	6.46	19.30	2.15
1.317	1.32	7.317	2.63	13.317	6.46	19.32	2.15
1.333	1.32	7.333	2.63	13.333	6.46	19.33	2.15
1.350	1.32	7.350	2.63	13.350	6.46	19.35	2.15
1.367	1.32	7.367	2.63	13.367	6.46	19.37	2.15
1.383	1.32	7.383	2.63	13.383	6.46	19.38	2.15
1.400	1.32	7.400	2.63	13.400	6.46	19.40	2.15
1.417	1.32	7.417	2.63	13.417	6.46	19.42	2.15
1.433	1.32	7.433	2.63	13.433	6.46	19.43	2.15
1.450	1.32	7.450	2.63	13.450	6.46	19.45	2.15

1.467	1.32	7.467	2.63	13.467	6.46	19.47	2.15
1.483	1.32	7.483	2.63	13.483	6.46	19.48	2.15
1.500	1.32	7.500	2.63	13.500	6.46	19.50	2.15
1.517	1.32	7.517	2.63	13.517	5.03	19.52	2.15
1.533	1.32	7.533	2.63	13.533	5.03	19.53	2.15
1.550	1.32	7.550	2.63	13.550	5.03	19.55	2.15
1.567	1.32	7.567	2.63	13.567	5.03	19.57	2.15
1.583	1.32	7.583	2.63	13.583	5.03	19.58	2.15
1.600	1.32	7.600	2.63	13.600	5.03	19.60	2.15
1.617	1.32	7.617	2.63	13.617	5.03	19.62	2.15
1.633	1.32	7.633	2.63	13.633	5.03	19.63	2.15
1.650	1.32	7.650	2.63	13.650	5.03	19.65	2.15
1.667	1.32	7.667	2.63	13.667	5.03	19.67	2.15
1.683	1.32	7.683	2.63	13.683	5.03	19.68	2.15
1.700	1.32	7.700	2.63	13.700	5.03	19.70	2.15
1.717	1.32	7.717	2.63	13.717	5.03	19.72	2.15
1.733	1.32	7.733	2.63	13.733	5.03	19.73	2.15
1.750	1.32	7.750	2.63	13.750	5.03	19.75	2.15
1.767	1.32	7.767	2.63	13.767	5.03	19.77	2.15
1.783	1.32	7.783	2.63	13.783	5.03	19.78	2.15
1.800	1.32	7.800	2.63	13.800	5.03	19.80	2.15
1.817	1.32	7.817	2.63	13.817	5.03	19.82	2.15
1.833	1.32	7.833	2.63	13.833	5.03	19.83	2.15
1.850	1.32	7.850	2.63	13.850	5.03	19.85	2.15
1.867	1.32	7.867	2.63	13.867	5.03	19.87	2.15
1.883	1.32	7.883	2.63	13.883	5.03	19.88	2.15
1.900	1.32	7.900	2.63	13.900	5.03	19.90	2.15
1.917	1.32	7.917	2.63	13.917	5.03	19.92	2.15
1.933	1.32	7.933	2.63	13.933	5.03	19.93	2.15
1.950	1.32	7.950	2.63	13.950	5.03	19.95	2.15
1.967	1.32	7.967	2.63	13.967	5.03	19.97	2.15
1.983	1.32	7.983	2.63	13.983	5.03	19.98	2.15
2.000	1.32	8.000	2.63	14.000	5.03	20.00	2.15
2.017	1.56	8.017	3.11	14.017	3.59	20.02	1.44
2.033	1.56	8.033	3.11	14.033	3.59	20.03	1.44
2.050	1.56	8.050	3.11	14.050	3.59	20.05	1.44
2.067	1.56	8.067	3.11	14.067	3.59	20.07	1.44
2.083	1.56	8.083	3.11	14.083	3.59	20.08	1.44
2.100	1.56	8.100	3.11	14.100	3.59	20.10	1.44
2.117	1.56	8.117	3.11	14.117	3.59	20.12	1.44
2.133	1.56	8.133	3.11	14.133	3.59	20.13	1.44
2.150	1.56	8.150	3.11	14.150	3.59	20.15	1.44
2.167	1.56	8.167	3.11	14.167	3.59	20.17	1.44
2.183	1.56	8.183	3.11	14.183	3.59	20.18	1.44
2.200	1.56	8.200	3.11	14.200	3.59	20.20	1.44
2.217	1.56	8.217	3.11	14.217	3.59	20.22	1.44
2.233	1.56	8.233	3.11	14.233	3.59	20.23	1.44
2.250	1.56	8.250	3.11	14.250	3.59	20.25	1.44
2.267	1.56	8.267	3.11	14.267	3.59	20.27	1.44
2.283	1.56	8.283	3.11	14.283	3.59	20.28	1.44
2.300	1.56	8.300	3.11	14.300	3.59	20.30	1.44
2.317	1.56	8.317	3.11	14.317	3.59	20.32	1.44
2.333	1.56	8.333	3.11	14.333	3.59	20.33	1.44
2.350	1.56	8.350	3.11	14.350	3.59	20.35	1.44
2.367	1.56	8.367	3.11	14.367	3.59	20.37	1.44
2.383	1.56	8.383	3.11	14.383	3.59	20.38	1.44
2.400	1.56	8.400	3.11	14.400	3.59	20.40	1.44
2.417	1.56	8.417	3.11	14.417	3.59	20.42	1.44
2.433	1.56	8.433	3.11	14.433	3.59	20.43	1.44
2.450	1.56	8.450	3.11	14.450	3.59	20.45	1.44
2.467	1.56	8.467	3.11	14.467	3.59	20.47	1.44
2.483	1.56	8.483	3.11	14.483	3.59	20.48	1.44
2.500	1.56	8.500	3.11	14.500	3.59	20.50	1.44
2.517	1.56	8.517	3.35	14.517	3.59	20.52	1.44
2.533	1.56	8.533	3.35	14.533	3.59	20.53	1.44
2.550	1.56	8.550	3.35	14.550	3.59	20.55	1.44
2.567	1.56	8.567	3.35	14.567	3.59	20.57	1.44
2.583	1.56	8.583	3.35	14.583	3.59	20.58	1.44
2.600	1.56	8.600	3.35	14.600	3.59	20.60	1.44
2.617	1.56	8.617	3.35	14.617	3.59	20.62	1.44
2.633	1.56	8.633	3.35	14.633	3.59	20.63	1.44
2.650	1.56	8.650	3.35	14.650	3.59	20.65	1.44
2.667	1.56	8.667	3.35	14.667	3.59	20.67	1.44
2.683	1.56	8.683	3.35	14.683	3.59	20.68	1.44
2.700	1.56	8.700	3.35	14.700	3.59	20.70	1.44
2.717	1.56	8.717	3.35	14.717	3.59	20.72	1.44
2.733	1.56	8.733	3.35	14.733	3.59	20.73	1.44
2.750	1.56	8.750	3.35	14.750	3.59	20.75	1.44
2.767	1.56	8.767	3.35	14.767	3.59	20.77	1.44
2.783	1.56	8.783	3.35	14.783	3.59	20.78	1.44
2.800	1.56	8.800	3.35	14.800	3.59	20.80	1.44
2.817	1.56	8.817	3.35	14.817	3.59	20.82	1.44
2.833	1.56	8.833	3.35	14.833	3.59	20.83	1.44
2.850	1.56	8.850	3.35	14.850	3.59	20.85	1.44

2.867	1.56	8.867	3.35	14.867	3.59	20.87	1.44
2.883	1.56	8.883	3.35	14.883	3.59	20.88	1.44
2.900	1.56	8.900	3.35	14.900	3.59	20.90	1.44
2.917	1.56	8.917	3.35	14.917	3.59	20.92	1.44
2.933	1.56	8.933	3.35	14.933	3.59	20.93	1.44
2.950	1.56	8.950	3.35	14.950	3.59	20.95	1.44
2.967	1.56	8.967	3.35	14.967	3.59	20.97	1.44
2.983	1.56	8.983	3.35	14.983	3.59	20.98	1.44
3.000	1.56	9.000	3.35	15.000	3.59	21.00	1.44
3.017	1.56	9.017	3.83	15.017	3.59	21.02	1.44
3.033	1.56	9.033	3.83	15.033	3.59	21.03	1.44
3.050	1.56	9.050	3.83	15.050	3.59	21.05	1.44
3.067	1.56	9.067	3.83	15.067	3.59	21.07	1.44
3.083	1.56	9.083	3.83	15.083	3.59	21.08	1.44
3.100	1.56	9.100	3.83	15.100	3.59	21.10	1.44
3.117	1.56	9.117	3.83	15.117	3.59	21.12	1.44
3.133	1.56	9.133	3.83	15.133	3.59	21.13	1.44
3.150	1.56	9.150	3.83	15.150	3.59	21.15	1.44
3.167	1.56	9.167	3.83	15.167	3.59	21.17	1.44
3.183	1.56	9.183	3.83	15.183	3.59	21.18	1.44
3.200	1.56	9.200	3.83	15.200	3.59	21.20	1.44
3.217	1.56	9.217	3.83	15.217	3.59	21.22	1.44
3.233	1.56	9.233	3.83	15.233	3.59	21.23	1.44
3.250	1.56	9.250	3.83	15.250	3.59	21.25	1.44
3.267	1.56	9.267	3.83	15.267	3.59	21.27	1.44
3.283	1.56	9.283	3.83	15.283	3.59	21.28	1.44
3.300	1.56	9.300	3.83	15.300	3.59	21.30	1.44
3.317	1.56	9.317	3.83	15.317	3.59	21.32	1.44
3.333	1.56	9.333	3.83	15.333	3.59	21.33	1.44
3.350	1.56	9.350	3.83	15.350	3.59	21.35	1.44
3.367	1.56	9.367	3.83	15.367	3.59	21.37	1.44
3.383	1.56	9.383	3.83	15.383	3.59	21.38	1.44
3.400	1.56	9.400	3.83	15.400	3.59	21.40	1.44
3.417	1.56	9.417	3.83	15.417	3.59	21.42	1.44
3.433	1.56	9.433	3.83	15.433	3.59	21.43	1.44
3.450	1.56	9.450	3.83	15.450	3.59	21.45	1.44
3.467	1.56	9.467	3.83	15.467	3.59	21.47	1.44
3.483	1.56	9.483	3.83	15.483	3.59	21.48	1.44
3.500	1.56	9.500	3.83	15.500	3.59	21.50	1.44
3.517	1.56	9.517	4.31	15.517	3.59	21.52	1.44
3.533	1.56	9.533	4.31	15.533	3.59	21.53	1.44
3.550	1.56	9.550	4.31	15.550	3.59	21.55	1.44
3.567	1.56	9.567	4.31	15.567	3.59	21.57	1.44
3.583	1.56	9.583	4.31	15.583	3.59	21.58	1.44
3.600	1.56	9.600	4.31	15.600	3.59	21.60	1.44
3.617	1.56	9.617	4.31	15.617	3.59	21.62	1.44
3.633	1.56	9.633	4.31	15.633	3.59	21.63	1.44
3.650	1.56	9.650	4.31	15.650	3.59	21.65	1.44
3.667	1.56	9.667	4.31	15.667	3.59	21.67	1.44
3.683	1.56	9.683	4.31	15.683	3.59	21.68	1.44
3.700	1.56	9.700	4.31	15.700	3.59	21.70	1.44
3.717	1.56	9.717	4.31	15.717	3.59	21.72	1.44
3.733	1.56	9.733	4.31	15.733	3.59	21.73	1.44
3.750	1.56	9.750	4.31	15.750	3.59	21.75	1.44
3.767	1.56	9.767	4.31	15.767	3.59	21.77	1.44
3.783	1.56	9.783	4.31	15.783	3.59	21.78	1.44
3.800	1.56	9.800	4.31	15.800	3.59	21.80	1.44
3.817	1.56	9.817	4.31	15.817	3.59	21.82	1.44
3.833	1.56	9.833	4.31	15.833	3.59	21.83	1.44
3.850	1.56	9.850	4.31	15.850	3.59	21.85	1.44
3.867	1.56	9.867	4.31	15.867	3.59	21.87	1.44
3.883	1.56	9.883	4.31	15.883	3.59	21.88	1.44
3.900	1.56	9.900	4.31	15.900	3.59	21.90	1.44
3.917	1.56	9.917	4.31	15.917	3.59	21.92	1.44
3.933	1.56	9.933	4.31	15.933	3.59	21.93	1.44
3.950	1.56	9.950	4.31	15.950	3.59	21.95	1.44
3.967	1.56	9.967	4.31	15.967	3.59	21.97	1.44
3.983	1.56	9.983	4.31	15.983	3.59	21.98	1.44
4.000	1.56	10.000	4.31	16.000	3.59	22.00	1.44
4.017	1.91	10.017	5.50	16.017	2.16	22.02	1.44
4.033	1.91	10.033	5.50	16.033	2.15	22.03	1.44
4.050	1.91	10.050	5.50	16.050	2.15	22.05	1.44
4.067	1.91	10.067	5.50	16.067	2.15	22.07	1.44
4.083	1.91	10.083	5.50	16.083	2.15	22.08	1.44
4.100	1.91	10.100	5.50	16.100	2.15	22.10	1.44
4.117	1.91	10.117	5.50	16.117	2.15	22.12	1.44
4.133	1.91	10.133	5.50	16.133	2.15	22.13	1.44
4.150	1.91	10.150	5.50	16.150	2.15	22.15	1.44
4.167	1.91	10.167	5.50	16.167	2.15	22.17	1.44
4.183	1.91	10.183	5.50	16.183	2.15	22.18	1.44
4.200	1.91	10.200	5.50	16.200	2.15	22.20	1.44
4.217	1.91	10.217	5.50	16.217	2.15	22.22	1.44
4.233	1.91	10.233	5.50	16.233	2.15	22.23	1.44
4.250	1.91	10.250	5.50	16.250	2.15	22.25	1.44

4.267	1.91	10.267	5.50	16.267	2.15	22.27	1.44
4.283	1.91	10.283	5.50	16.283	2.15	22.28	1.44
4.300	1.91	10.300	5.50	16.300	2.15	22.30	1.44
4.317	1.91	10.317	5.50	16.317	2.15	22.32	1.44
4.333	1.91	10.333	5.50	16.333	2.15	22.33	1.44
4.350	1.91	10.350	5.50	16.350	2.15	22.35	1.44
4.367	1.91	10.367	5.50	16.367	2.15	22.37	1.44
4.383	1.91	10.383	5.50	16.383	2.15	22.38	1.44
4.400	1.91	10.400	5.50	16.400	2.15	22.40	1.44
4.417	1.91	10.417	5.50	16.417	2.15	22.42	1.44
4.433	1.91	10.433	5.50	16.433	2.15	22.43	1.44
4.450	1.91	10.450	5.50	16.450	2.15	22.45	1.44
4.467	1.91	10.467	5.50	16.467	2.15	22.47	1.44
4.483	1.91	10.483	5.50	16.483	2.15	22.48	1.44
4.500	1.91	10.500	5.51	16.500	2.15	22.50	1.44
4.517	1.91	10.517	7.42	16.517	2.15	22.52	1.44
4.533	1.91	10.533	7.42	16.533	2.15	22.53	1.44
4.550	1.91	10.550	7.42	16.550	2.15	22.55	1.44
4.567	1.91	10.567	7.42	16.567	2.15	22.57	1.44
4.583	1.91	10.583	7.42	16.583	2.15	22.58	1.44
4.600	1.91	10.600	7.42	16.600	2.15	22.60	1.44
4.617	1.91	10.617	7.42	16.617	2.15	22.62	1.44
4.633	1.91	10.633	7.42	16.633	2.15	22.63	1.44
4.650	1.91	10.650	7.42	16.650	2.15	22.65	1.44
4.667	1.91	10.667	7.42	16.667	2.15	22.67	1.44
4.683	1.91	10.683	7.42	16.683	2.15	22.68	1.44
4.700	1.91	10.700	7.42	16.700	2.15	22.70	1.44
4.717	1.91	10.717	7.42	16.717	2.15	22.72	1.44
4.733	1.91	10.733	7.42	16.733	2.15	22.73	1.44
4.750	1.91	10.750	7.42	16.750	2.15	22.75	1.44
4.767	1.91	10.767	7.42	16.767	2.15	22.77	1.44
4.783	1.91	10.783	7.42	16.783	2.15	22.78	1.44
4.800	1.91	10.800	7.42	16.800	2.15	22.80	1.44
4.817	1.91	10.817	7.42	16.817	2.15	22.82	1.44
4.833	1.91	10.833	7.42	16.833	2.15	22.83	1.44
4.850	1.91	10.850	7.42	16.850	2.15	22.85	1.44
4.867	1.91	10.867	7.42	16.867	2.15	22.87	1.44
4.883	1.91	10.883	7.42	16.883	2.15	22.88	1.44
4.900	1.91	10.900	7.42	16.900	2.15	22.90	1.44
4.917	1.91	10.917	7.42	16.917	2.15	22.92	1.44
4.933	1.91	10.933	7.42	16.933	2.15	22.93	1.44
4.950	1.91	10.950	7.42	16.950	2.15	22.95	1.44
4.967	1.91	10.967	7.42	16.967	2.15	22.97	1.44
4.983	1.91	10.983	7.42	16.983	2.15	22.98	1.44
5.000	1.91	11.000	7.42	17.000	2.15	23.00	1.44
5.017	1.91	11.017	11.49	17.017	2.15	23.02	1.44
5.033	1.91	11.033	11.49	17.033	2.15	23.03	1.44
5.050	1.91	11.050	11.49	17.050	2.15	23.05	1.44
5.067	1.91	11.067	11.49	17.067	2.15	23.07	1.44
5.083	1.91	11.083	11.49	17.083	2.15	23.08	1.44
5.100	1.91	11.100	11.49	17.100	2.15	23.10	1.44
5.117	1.91	11.117	11.49	17.117	2.15	23.12	1.44
5.133	1.91	11.133	11.49	17.133	2.15	23.13	1.44
5.150	1.91	11.150	11.49	17.150	2.15	23.15	1.44
5.167	1.91	11.167	11.49	17.167	2.15	23.17	1.44
5.183	1.91	11.183	11.49	17.183	2.15	23.18	1.44
5.200	1.91	11.200	11.49	17.200	2.15	23.20	1.44
5.217	1.91	11.217	11.49	17.217	2.15	23.22	1.44
5.233	1.91	11.233	11.49	17.233	2.15	23.23	1.44
5.250	1.91	11.250	11.49	17.250	2.15	23.25	1.44
5.267	1.91	11.267	11.49	17.267	2.15	23.27	1.44
5.283	1.91	11.283	11.49	17.283	2.15	23.28	1.44
5.300	1.91	11.300	11.49	17.300	2.15	23.30	1.44
5.317	1.91	11.317	11.49	17.317	2.15	23.32	1.44
5.333	1.91	11.333	11.49	17.333	2.15	23.33	1.44
5.350	1.91	11.350	11.49	17.350	2.15	23.35	1.44
5.367	1.91	11.367	11.49	17.367	2.15	23.37	1.44
5.383	1.91	11.383	11.49	17.383	2.15	23.38	1.44
5.400	1.91	11.400	11.49	17.400	2.15	23.40	1.44
5.417	1.91	11.417	11.49	17.417	2.15	23.42	1.44
5.433	1.91	11.433	11.49	17.433	2.15	23.43	1.44
5.450	1.91	11.450	11.49	17.450	2.15	23.45	1.44
5.467	1.91	11.467	11.49	17.467	2.15	23.47	1.44
5.483	1.91	11.483	11.49	17.483	2.15	23.48	1.44
5.500	1.91	11.500	11.49	17.500	2.15	23.50	1.44
5.517	1.91	11.517	35.41	17.517	2.15	23.52	1.44
5.533	1.91	11.533	35.42	17.533	2.15	23.53	1.44
5.550	1.91	11.550	35.42	17.550	2.15	23.55	1.44
5.567	1.91	11.567	35.42	17.567	2.15	23.57	1.44
5.583	1.91	11.583	35.42	17.583	2.15	23.58	1.44
5.600	1.91	11.600	35.42	17.600	2.15	23.60	1.44
5.617	1.91	11.617	35.42	17.617	2.15	23.62	1.44
5.633	1.91	11.633	35.42	17.633	2.15	23.63	1.44
5.650	1.91	11.650	35.42	17.650	2.15	23.65	1.44

5.667	1.91	11.667	35.42	17.667	2.15	23.67	1.44
5.683	1.91	11.683	35.42	17.683	2.15	23.68	1.44
5.700	1.91	11.700	35.42	17.700	2.15	23.70	1.44
5.717	1.91	11.717	35.42	17.717	2.15	23.72	1.44
5.733	1.91	11.733	35.42	17.733	2.15	23.73	1.44
5.750	1.91	11.750	35.42	17.750	2.15	23.75	1.44
5.767	1.91	11.767	146.40	17.767	2.15	23.77	1.44
5.783	1.91	11.783	146.45	17.783	2.15	23.78	1.44
5.800	1.91	11.800	146.45	17.800	2.15	23.80	1.44
5.817	1.91	11.817	146.45	17.817	2.15	23.82	1.44
5.833	1.91	11.833	146.45	17.833	2.15	23.83	1.44
5.850	1.91	11.850	146.45	17.850	2.15	23.85	1.44
5.867	1.91	11.867	146.45	17.867	2.15	23.87	1.44
5.883	1.91	11.883	146.45	17.883	2.15	23.88	1.44
5.900	1.91	11.900	146.45	17.900	2.15	23.90	1.44
5.917	1.91	11.917	146.45	17.917	2.15	23.92	1.44
5.933	1.91	11.933	146.45	17.933	2.15	23.93	1.44
5.950	1.91	11.950	146.45	17.950	2.15	23.95	1.44
5.967	1.91	11.967	146.45	17.967	2.15	23.97	1.44
5.983	1.91	11.983	146.45	17.983	2.15	23.98	1.44
6.000	1.91	12.000	146.45	18.000	2.15	24.00	1.44

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.466 (i)
TIME TO PEAK (hrs)= 13.417
RUNOFF VOLUME (mm)= 27.251
TOTAL RAINFALL (mm)= 119.651
RUNOFF COEFFICIENT = 0.228

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB STANDHYD (0001) ID= 1 DT= 1.0 min	Area (ha)= 1.18 Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.32	6.017	2.15	12.017	17.32	18.02	2.15
0.033	1.32	6.033	2.15	12.033	17.23	18.03	2.15
0.050	1.32	6.050	2.15	12.050	17.23	18.05	2.15
0.067	1.32	6.067	2.15	12.067	17.23	18.07	2.15
0.083	1.32	6.083	2.15	12.083	17.23	18.08	2.15
0.100	1.32	6.100	2.15	12.100	17.23	18.10	2.15
0.117	1.32	6.117	2.15	12.117	17.23	18.12	2.15
0.133	1.32	6.133	2.15	12.133	17.23	18.13	2.15
0.150	1.32	6.150	2.15	12.150	17.23	18.15	2.15
0.167	1.32	6.167	2.15	12.167	17.23	18.17	2.15
0.183	1.32	6.183	2.15	12.183	17.23	18.18	2.15
0.200	1.32	6.200	2.15	12.200	17.23	18.20	2.15
0.217	1.32	6.217	2.15	12.217	17.23	18.22	2.15
0.233	1.32	6.233	2.15	12.233	17.23	18.23	2.15
0.250	1.32	6.250	2.15	12.250	17.23	18.25	2.15
0.267	1.32	6.267	2.15	12.267	17.23	18.27	2.15
0.283	1.32	6.283	2.15	12.283	17.23	18.28	2.15
0.300	1.32	6.300	2.15	12.300	17.23	18.30	2.15
0.317	1.32	6.317	2.15	12.317	17.23	18.32	2.15
0.333	1.32	6.333	2.15	12.333	17.23	18.33	2.15
0.350	1.32	6.350	2.15	12.350	17.23	18.35	2.15
0.367	1.32	6.367	2.15	12.367	17.23	18.37	2.15
0.383	1.32	6.383	2.15	12.383	17.23	18.38	2.15
0.400	1.32	6.400	2.15	12.400	17.23	18.40	2.15
0.417	1.32	6.417	2.15	12.417	17.23	18.42	2.15
0.433	1.32	6.433	2.15	12.433	17.23	18.43	2.15
0.450	1.32	6.450	2.15	12.450	17.23	18.45	2.15
0.467	1.32	6.467	2.15	12.467	17.23	18.47	2.15
0.483	1.32	6.483	2.15	12.483	17.23	18.48	2.15
0.500	1.32	6.500	2.15	12.500	17.23	18.50	2.15
0.517	1.32	6.517	2.15	12.517	8.86	18.52	2.15
0.533	1.32	6.533	2.15	12.533	8.85	18.53	2.15
0.550	1.32	6.550	2.15	12.550	8.85	18.55	2.15

0.567	1.32	6.567	2.15	12.567	8.85	18.57	2.15
0.583	1.32	6.583	2.15	12.583	8.85	18.58	2.15
0.600	1.32	6.600	2.15	12.600	8.85	18.60	2.15
0.617	1.32	6.617	2.15	12.617	8.85	18.62	2.15
0.633	1.32	6.633	2.15	12.633	8.85	18.63	2.15
0.650	1.32	6.650	2.15	12.650	8.85	18.65	2.15
0.667	1.32	6.667	2.15	12.667	8.85	18.67	2.15
0.683	1.32	6.683	2.15	12.683	8.85	18.68	2.15
0.700	1.32	6.700	2.15	12.700	8.85	18.70	2.15
0.717	1.32	6.717	2.15	12.717	8.85	18.72	2.15
0.733	1.32	6.733	2.15	12.733	8.85	18.73	2.15
0.750	1.32	6.750	2.15	12.750	8.85	18.75	2.15
0.767	1.32	6.767	2.15	12.767	8.85	18.77	2.15
0.783	1.32	6.783	2.15	12.783	8.85	18.78	2.15
0.800	1.32	6.800	2.15	12.800	8.85	18.80	2.15
0.817	1.32	6.817	2.15	12.817	8.85	18.82	2.15
0.833	1.32	6.833	2.15	12.833	8.85	18.83	2.15
0.850	1.32	6.850	2.15	12.850	8.85	18.85	2.15
0.867	1.32	6.867	2.15	12.867	8.85	18.87	2.15
0.883	1.32	6.883	2.15	12.883	8.85	18.88	2.15
0.900	1.32	6.900	2.15	12.900	8.85	18.90	2.15
0.917	1.32	6.917	2.15	12.917	8.85	18.92	2.15
0.933	1.32	6.933	2.15	12.933	8.85	18.93	2.15
0.950	1.32	6.950	2.15	12.950	8.85	18.95	2.15
0.967	1.32	6.967	2.15	12.967	8.85	18.97	2.15
0.983	1.32	6.983	2.15	12.983	8.85	18.98	2.15
1.000	1.32	7.000	2.15	13.000	8.85	19.00	2.15
1.017	1.32	7.017	2.63	13.017	6.46	19.02	2.15
1.033	1.32	7.033	2.63	13.033	6.46	19.03	2.15
1.050	1.32	7.050	2.63	13.050	6.46	19.05	2.15
1.067	1.32	7.067	2.63	13.067	6.46	19.07	2.15
1.083	1.32	7.083	2.63	13.083	6.46	19.08	2.15
1.100	1.32	7.100	2.63	13.100	6.46	19.10	2.15
1.117	1.32	7.117	2.63	13.117	6.46	19.12	2.15
1.133	1.32	7.133	2.63	13.133	6.46	19.13	2.15
1.150	1.32	7.150	2.63	13.150	6.46	19.15	2.15
1.167	1.32	7.167	2.63	13.167	6.46	19.17	2.15
1.183	1.32	7.183	2.63	13.183	6.46	19.18	2.15
1.200	1.32	7.200	2.63	13.200	6.46	19.20	2.15
1.217	1.32	7.217	2.63	13.217	6.46	19.22	2.15
1.233	1.32	7.233	2.63	13.233	6.46	19.23	2.15
1.250	1.32	7.250	2.63	13.250	6.46	19.25	2.15
1.267	1.32	7.267	2.63	13.267	6.46	19.27	2.15
1.283	1.32	7.283	2.63	13.283	6.46	19.28	2.15
1.300	1.32	7.300	2.63	13.300	6.46	19.30	2.15
1.317	1.32	7.317	2.63	13.317	6.46	19.32	2.15
1.333	1.32	7.333	2.63	13.333	6.46	19.33	2.15
1.350	1.32	7.350	2.63	13.350	6.46	19.35	2.15
1.367	1.32	7.367	2.63	13.367	6.46	19.37	2.15
1.383	1.32	7.383	2.63	13.383	6.46	19.38	2.15
1.400	1.32	7.400	2.63	13.400	6.46	19.40	2.15
1.417	1.32	7.417	2.63	13.417	6.46	19.42	2.15
1.433	1.32	7.433	2.63	13.433	6.46	19.43	2.15
1.450	1.32	7.450	2.63	13.450	6.46	19.45	2.15
1.467	1.32	7.467	2.63	13.467	6.46	19.47	2.15
1.483	1.32	7.483	2.63	13.483	6.46	19.48	2.15
1.500	1.32	7.500	2.63	13.500	6.46	19.50	2.15
1.517	1.32	7.517	2.63	13.517	5.03	19.52	2.15
1.533	1.32	7.533	2.63	13.533	5.03	19.53	2.15
1.550	1.32	7.550	2.63	13.550	5.03	19.55	2.15
1.567	1.32	7.567	2.63	13.567	5.03	19.57	2.15
1.583	1.32	7.583	2.63	13.583	5.03	19.58	2.15
1.600	1.32	7.600	2.63	13.600	5.03	19.60	2.15
1.617	1.32	7.617	2.63	13.617	5.03	19.62	2.15
1.633	1.32	7.633	2.63	13.633	5.03	19.63	2.15
1.650	1.32	7.650	2.63	13.650	5.03	19.65	2.15
1.667	1.32	7.667	2.63	13.667	5.03	19.67	2.15
1.683	1.32	7.683	2.63	13.683	5.03	19.68	2.15
1.700	1.32	7.700	2.63	13.700	5.03	19.70	2.15
1.717	1.32	7.717	2.63	13.717	5.03	19.72	2.15
1.733	1.32	7.733	2.63	13.733	5.03	19.73	2.15
1.750	1.32	7.750	2.63	13.750	5.03	19.75	2.15
1.767	1.32	7.767	2.63	13.767	5.03	19.77	2.15
1.783	1.32	7.783	2.63	13.783	5.03	19.78	2.15
1.800	1.32	7.800	2.63	13.800	5.03	19.80	2.15
1.817	1.32	7.817	2.63	13.817	5.03	19.82	2.15
1.833	1.32	7.833	2.63	13.833	5.03	19.83	2.15
1.850	1.32	7.850	2.63	13.850	5.03	19.85	2.15
1.867	1.32	7.867	2.63	13.867	5.03	19.87	2.15
1.883	1.32	7.883	2.63	13.883	5.03	19.88	2.15
1.900	1.32	7.900	2.63	13.900	5.03	19.90	2.15
1.917	1.32	7.917	2.63	13.917	5.03	19.92	2.15
1.933	1.32	7.933	2.63	13.933	5.03	19.93	2.15
1.950	1.32	7.950	2.63	13.950	5.03	19.95	2.15

1.967	1.32	7.967	2.63	13.967	5.03	19.97	2.15
1.983	1.32	7.983	2.63	13.983	5.03	19.98	2.15
2.000	1.32	8.000	2.63	14.000	5.03	20.00	2.15
2.017	1.56	8.017	3.11	14.017	3.59	20.02	1.44
2.033	1.56	8.033	3.11	14.033	3.59	20.03	1.44
2.050	1.56	8.050	3.11	14.050	3.59	20.05	1.44
2.067	1.56	8.067	3.11	14.067	3.59	20.07	1.44
2.083	1.56	8.083	3.11	14.083	3.59	20.08	1.44
2.100	1.56	8.100	3.11	14.100	3.59	20.10	1.44
2.117	1.56	8.117	3.11	14.117	3.59	20.12	1.44
2.133	1.56	8.133	3.11	14.133	3.59	20.13	1.44
2.150	1.56	8.150	3.11	14.150	3.59	20.15	1.44
2.167	1.56	8.167	3.11	14.167	3.59	20.17	1.44
2.183	1.56	8.183	3.11	14.183	3.59	20.18	1.44
2.200	1.56	8.200	3.11	14.200	3.59	20.20	1.44
2.217	1.56	8.217	3.11	14.217	3.59	20.22	1.44
2.233	1.56	8.233	3.11	14.233	3.59	20.23	1.44
2.250	1.56	8.250	3.11	14.250	3.59	20.25	1.44
2.267	1.56	8.267	3.11	14.267	3.59	20.27	1.44
2.283	1.56	8.283	3.11	14.283	3.59	20.28	1.44
2.300	1.56	8.300	3.11	14.300	3.59	20.30	1.44
2.317	1.56	8.317	3.11	14.317	3.59	20.32	1.44
2.333	1.56	8.333	3.11	14.333	3.59	20.33	1.44
2.350	1.56	8.350	3.11	14.350	3.59	20.35	1.44
2.367	1.56	8.367	3.11	14.367	3.59	20.37	1.44
2.383	1.56	8.383	3.11	14.383	3.59	20.38	1.44
2.400	1.56	8.400	3.11	14.400	3.59	20.40	1.44
2.417	1.56	8.417	3.11	14.417	3.59	20.42	1.44
2.433	1.56	8.433	3.11	14.433	3.59	20.43	1.44
2.450	1.56	8.450	3.11	14.450	3.59	20.45	1.44
2.467	1.56	8.467	3.11	14.467	3.59	20.47	1.44
2.483	1.56	8.483	3.11	14.483	3.59	20.48	1.44
2.500	1.56	8.500	3.11	14.500	3.59	20.50	1.44
2.517	1.56	8.517	3.35	14.517	3.59	20.52	1.44
2.533	1.56	8.533	3.35	14.533	3.59	20.53	1.44
2.550	1.56	8.550	3.35	14.550	3.59	20.55	1.44
2.567	1.56	8.567	3.35	14.567	3.59	20.57	1.44
2.583	1.56	8.583	3.35	14.583	3.59	20.58	1.44
2.600	1.56	8.600	3.35	14.600	3.59	20.60	1.44
2.617	1.56	8.617	3.35	14.617	3.59	20.62	1.44
2.633	1.56	8.633	3.35	14.633	3.59	20.63	1.44
2.650	1.56	8.650	3.35	14.650	3.59	20.65	1.44
2.667	1.56	8.667	3.35	14.667	3.59	20.67	1.44
2.683	1.56	8.683	3.35	14.683	3.59	20.68	1.44
2.700	1.56	8.700	3.35	14.700	3.59	20.70	1.44
2.717	1.56	8.717	3.35	14.717	3.59	20.72	1.44
2.733	1.56	8.733	3.35	14.733	3.59	20.73	1.44
2.750	1.56	8.750	3.35	14.750	3.59	20.75	1.44
2.767	1.56	8.767	3.35	14.767	3.59	20.77	1.44
2.783	1.56	8.783	3.35	14.783	3.59	20.78	1.44
2.800	1.56	8.800	3.35	14.800	3.59	20.80	1.44
2.817	1.56	8.817	3.35	14.817	3.59	20.82	1.44
2.833	1.56	8.833	3.35	14.833	3.59	20.83	1.44
2.850	1.56	8.850	3.35	14.850	3.59	20.85	1.44
2.867	1.56	8.867	3.35	14.867	3.59	20.87	1.44
2.883	1.56	8.883	3.35	14.883	3.59	20.88	1.44
2.900	1.56	8.900	3.35	14.900	3.59	20.90	1.44
2.917	1.56	8.917	3.35	14.917	3.59	20.92	1.44
2.933	1.56	8.933	3.35	14.933	3.59	20.93	1.44
2.950	1.56	8.950	3.35	14.950	3.59	20.95	1.44
2.967	1.56	8.967	3.35	14.967	3.59	20.97	1.44
2.983	1.56	8.983	3.35	14.983	3.59	20.98	1.44
3.000	1.56	9.000	3.35	15.000	3.59	21.00	1.44
3.017	1.56	9.017	3.83	15.017	3.59	21.02	1.44
3.033	1.56	9.033	3.83	15.033	3.59	21.03	1.44
3.050	1.56	9.050	3.83	15.050	3.59	21.05	1.44
3.067	1.56	9.067	3.83	15.067	3.59	21.07	1.44
3.083	1.56	9.083	3.83	15.083	3.59	21.08	1.44
3.100	1.56	9.100	3.83	15.100	3.59	21.10	1.44
3.117	1.56	9.117	3.83	15.117	3.59	21.12	1.44
3.133	1.56	9.133	3.83	15.133	3.59	21.13	1.44
3.150	1.56	9.150	3.83	15.150	3.59	21.15	1.44
3.167	1.56	9.167	3.83	15.167	3.59	21.17	1.44
3.183	1.56	9.183	3.83	15.183	3.59	21.18	1.44
3.200	1.56	9.200	3.83	15.200	3.59	21.20	1.44
3.217	1.56	9.217	3.83	15.217	3.59	21.22	1.44
3.233	1.56	9.233	3.83	15.233	3.59	21.23	1.44
3.250	1.56	9.250	3.83	15.250	3.59	21.25	1.44
3.267	1.56	9.267	3.83	15.267	3.59	21.27	1.44
3.283	1.56	9.283	3.83	15.283	3.59	21.28	1.44
3.300	1.56	9.300	3.83	15.300	3.59	21.30	1.44
3.317	1.56	9.317	3.83	15.317	3.59	21.32	1.44
3.333	1.56	9.333	3.83	15.333	3.59	21.33	1.44
3.350	1.56	9.350	3.83	15.350	3.59	21.35	1.44

3.367	1.56	9.367	3.83	15.367	3.59	21.37	1.44
3.383	1.56	9.383	3.83	15.383	3.59	21.38	1.44
3.400	1.56	9.400	3.83	15.400	3.59	21.40	1.44
3.417	1.56	9.417	3.83	15.417	3.59	21.42	1.44
3.433	1.56	9.433	3.83	15.433	3.59	21.43	1.44
3.450	1.56	9.450	3.83	15.450	3.59	21.45	1.44
3.467	1.56	9.467	3.83	15.467	3.59	21.47	1.44
3.483	1.56	9.483	3.83	15.483	3.59	21.48	1.44
3.500	1.56	9.500	3.83	15.500	3.59	21.50	1.44
3.517	1.56	9.517	4.31	15.517	3.59	21.52	1.44
3.533	1.56	9.533	4.31	15.533	3.59	21.53	1.44
3.550	1.56	9.550	4.31	15.550	3.59	21.55	1.44
3.567	1.56	9.567	4.31	15.567	3.59	21.57	1.44
3.583	1.56	9.583	4.31	15.583	3.59	21.58	1.44
3.600	1.56	9.600	4.31	15.600	3.59	21.60	1.44
3.617	1.56	9.617	4.31	15.617	3.59	21.62	1.44
3.633	1.56	9.633	4.31	15.633	3.59	21.63	1.44
3.650	1.56	9.650	4.31	15.650	3.59	21.65	1.44
3.667	1.56	9.667	4.31	15.667	3.59	21.67	1.44
3.683	1.56	9.683	4.31	15.683	3.59	21.68	1.44
3.700	1.56	9.700	4.31	15.700	3.59	21.70	1.44
3.717	1.56	9.717	4.31	15.717	3.59	21.72	1.44
3.733	1.56	9.733	4.31	15.733	3.59	21.73	1.44
3.750	1.56	9.750	4.31	15.750	3.59	21.75	1.44
3.767	1.56	9.767	4.31	15.767	3.59	21.77	1.44
3.783	1.56	9.783	4.31	15.783	3.59	21.78	1.44
3.800	1.56	9.800	4.31	15.800	3.59	21.80	1.44
3.817	1.56	9.817	4.31	15.817	3.59	21.82	1.44
3.833	1.56	9.833	4.31	15.833	3.59	21.83	1.44
3.850	1.56	9.850	4.31	15.850	3.59	21.85	1.44
3.867	1.56	9.867	4.31	15.867	3.59	21.87	1.44
3.883	1.56	9.883	4.31	15.883	3.59	21.88	1.44
3.900	1.56	9.900	4.31	15.900	3.59	21.90	1.44
3.917	1.56	9.917	4.31	15.917	3.59	21.92	1.44
3.933	1.56	9.933	4.31	15.933	3.59	21.93	1.44
3.950	1.56	9.950	4.31	15.950	3.59	21.95	1.44
3.967	1.56	9.967	4.31	15.967	3.59	21.97	1.44
3.983	1.56	9.983	4.31	15.983	3.59	21.98	1.44
4.000	1.56	10.000	4.31	16.000	3.59	22.00	1.44
4.017	1.91	10.017	5.50	16.017	2.16	22.02	1.44
4.033	1.91	10.033	5.50	16.033	2.15	22.03	1.44
4.050	1.91	10.050	5.50	16.050	2.15	22.05	1.44
4.067	1.91	10.067	5.50	16.067	2.15	22.07	1.44
4.083	1.91	10.083	5.50	16.083	2.15	22.08	1.44
4.100	1.91	10.100	5.50	16.100	2.15	22.10	1.44
4.117	1.91	10.117	5.50	16.117	2.15	22.12	1.44
4.133	1.91	10.133	5.50	16.133	2.15	22.13	1.44
4.150	1.91	10.150	5.50	16.150	2.15	22.15	1.44
4.167	1.91	10.167	5.50	16.167	2.15	22.17	1.44
4.183	1.91	10.183	5.50	16.183	2.15	22.18	1.44
4.200	1.91	10.200	5.50	16.200	2.15	22.20	1.44
4.217	1.91	10.217	5.50	16.217	2.15	22.22	1.44
4.233	1.91	10.233	5.50	16.233	2.15	22.23	1.44
4.250	1.91	10.250	5.50	16.250	2.15	22.25	1.44
4.267	1.91	10.267	5.50	16.267	2.15	22.27	1.44
4.283	1.91	10.283	5.50	16.283	2.15	22.28	1.44
4.300	1.91	10.300	5.50	16.300	2.15	22.30	1.44
4.317	1.91	10.317	5.50	16.317	2.15	22.32	1.44
4.333	1.91	10.333	5.50	16.333	2.15	22.33	1.44
4.350	1.91	10.350	5.50	16.350	2.15	22.35	1.44
4.367	1.91	10.367	5.50	16.367	2.15	22.37	1.44
4.383	1.91	10.383	5.50	16.383	2.15	22.38	1.44
4.400	1.91	10.400	5.50	16.400	2.15	22.40	1.44
4.417	1.91	10.417	5.50	16.417	2.15	22.42	1.44
4.433	1.91	10.433	5.50	16.433	2.15	22.43	1.44
4.450	1.91	10.450	5.50	16.450	2.15	22.45	1.44
4.467	1.91	10.467	5.50	16.467	2.15	22.47	1.44
4.483	1.91	10.483	5.50	16.483	2.15	22.48	1.44
4.500	1.91	10.500	5.51	16.500	2.15	22.50	1.44
4.517	1.91	10.517	7.42	16.517	2.15	22.52	1.44
4.533	1.91	10.533	7.42	16.533	2.15	22.53	1.44
4.550	1.91	10.550	7.42	16.550	2.15	22.55	1.44
4.567	1.91	10.567	7.42	16.567	2.15	22.57	1.44
4.583	1.91	10.583	7.42	16.583	2.15	22.58	1.44
4.600	1.91	10.600	7.42	16.600	2.15	22.60	1.44
4.617	1.91	10.617	7.42	16.617	2.15	22.62	1.44
4.633	1.91	10.633	7.42	16.633	2.15	22.63	1.44
4.650	1.91	10.650	7.42	16.650	2.15	22.65	1.44
4.667	1.91	10.667	7.42	16.667	2.15	22.67	1.44
4.683	1.91	10.683	7.42	16.683	2.15	22.68	1.44
4.700	1.91	10.700	7.42	16.700	2.15	22.70	1.44
4.717	1.91	10.717	7.42	16.717	2.15	22.72	1.44
4.733	1.91	10.733	7.42	16.733	2.15	22.73	1.44
4.750	1.91	10.750	7.42	16.750	2.15	22.75	1.44

4.767	1.91	10.767	7.42	16.767	2.15	22.77	1.44
4.783	1.91	10.783	7.42	16.783	2.15	22.78	1.44
4.800	1.91	10.800	7.42	16.800	2.15	22.80	1.44
4.817	1.91	10.817	7.42	16.817	2.15	22.82	1.44
4.833	1.91	10.833	7.42	16.833	2.15	22.83	1.44
4.850	1.91	10.850	7.42	16.850	2.15	22.85	1.44
4.867	1.91	10.867	7.42	16.867	2.15	22.87	1.44
4.883	1.91	10.883	7.42	16.883	2.15	22.88	1.44
4.900	1.91	10.900	7.42	16.900	2.15	22.90	1.44
4.917	1.91	10.917	7.42	16.917	2.15	22.92	1.44
4.933	1.91	10.933	7.42	16.933	2.15	22.93	1.44
4.950	1.91	10.950	7.42	16.950	2.15	22.95	1.44
4.967	1.91	10.967	7.42	16.967	2.15	22.97	1.44
4.983	1.91	10.983	7.42	16.983	2.15	22.98	1.44
5.000	1.91	11.000	7.42	17.000	2.15	23.00	1.44
5.017	1.91	11.017	11.49	17.017	2.15	23.02	1.44
5.033	1.91	11.033	11.49	17.033	2.15	23.03	1.44
5.050	1.91	11.050	11.49	17.050	2.15	23.05	1.44
5.067	1.91	11.067	11.49	17.067	2.15	23.07	1.44
5.083	1.91	11.083	11.49	17.083	2.15	23.08	1.44
5.100	1.91	11.100	11.49	17.100	2.15	23.10	1.44
5.117	1.91	11.117	11.49	17.117	2.15	23.12	1.44
5.133	1.91	11.133	11.49	17.133	2.15	23.13	1.44
5.150	1.91	11.150	11.49	17.150	2.15	23.15	1.44
5.167	1.91	11.167	11.49	17.167	2.15	23.17	1.44
5.183	1.91	11.183	11.49	17.183	2.15	23.18	1.44
5.200	1.91	11.200	11.49	17.200	2.15	23.20	1.44
5.217	1.91	11.217	11.49	17.217	2.15	23.22	1.44
5.233	1.91	11.233	11.49	17.233	2.15	23.23	1.44
5.250	1.91	11.250	11.49	17.250	2.15	23.25	1.44
5.267	1.91	11.267	11.49	17.267	2.15	23.27	1.44
5.283	1.91	11.283	11.49	17.283	2.15	23.28	1.44
5.300	1.91	11.300	11.49	17.300	2.15	23.30	1.44
5.317	1.91	11.317	11.49	17.317	2.15	23.32	1.44
5.333	1.91	11.333	11.49	17.333	2.15	23.33	1.44
5.350	1.91	11.350	11.49	17.350	2.15	23.35	1.44
5.367	1.91	11.367	11.49	17.367	2.15	23.37	1.44
5.383	1.91	11.383	11.49	17.383	2.15	23.38	1.44
5.400	1.91	11.400	11.49	17.400	2.15	23.40	1.44
5.417	1.91	11.417	11.49	17.417	2.15	23.42	1.44
5.433	1.91	11.433	11.49	17.433	2.15	23.43	1.44
5.450	1.91	11.450	11.49	17.450	2.15	23.45	1.44
5.467	1.91	11.467	11.49	17.467	2.15	23.47	1.44
5.483	1.91	11.483	11.49	17.483	2.15	23.48	1.44
5.500	1.91	11.500	11.49	17.500	2.15	23.50	1.44
5.517	1.91	11.517	35.41	17.517	2.15	23.52	1.44
5.533	1.91	11.533	35.42	17.533	2.15	23.53	1.44
5.550	1.91	11.550	35.42	17.550	2.15	23.55	1.44
5.567	1.91	11.567	35.42	17.567	2.15	23.57	1.44
5.583	1.91	11.583	35.42	17.583	2.15	23.58	1.44
5.600	1.91	11.600	35.42	17.600	2.15	23.60	1.44
5.617	1.91	11.617	35.42	17.617	2.15	23.62	1.44
5.633	1.91	11.633	35.42	17.633	2.15	23.63	1.44
5.650	1.91	11.650	35.42	17.650	2.15	23.65	1.44
5.667	1.91	11.667	35.42	17.667	2.15	23.67	1.44
5.683	1.91	11.683	35.42	17.683	2.15	23.68	1.44
5.700	1.91	11.700	35.42	17.700	2.15	23.70	1.44
5.717	1.91	11.717	35.42	17.717	2.15	23.72	1.44
5.733	1.91	11.733	35.42	17.733	2.15	23.73	1.44
5.750	1.91	11.750	35.42	17.750	2.15	23.75	1.44
5.767	1.91	11.767	146.40	17.767	2.15	23.77	1.44
5.783	1.91	11.783	146.45	17.783	2.15	23.78	1.44
5.800	1.91	11.800	146.45	17.800	2.15	23.80	1.44
5.817	1.91	11.817	146.45	17.817	2.15	23.82	1.44
5.833	1.91	11.833	146.45	17.833	2.15	23.83	1.44
5.850	1.91	11.850	146.45	17.850	2.15	23.85	1.44
5.867	1.91	11.867	146.45	17.867	2.15	23.87	1.44
5.883	1.91	11.883	146.45	17.883	2.15	23.88	1.44
5.900	1.91	11.900	146.45	17.900	2.15	23.90	1.44
5.917	1.91	11.917	146.45	17.917	2.15	23.92	1.44
5.933	1.91	11.933	146.45	17.933	2.15	23.93	1.44
5.950	1.91	11.950	146.45	17.950	2.15	23.95	1.44
5.967	1.91	11.967	146.45	17.967	2.15	23.97	1.44
5.983	1.91	11.983	146.45	17.983	2.15	23.98	1.44
6.000	1.91	12.000	146.45	18.000	2.15	24.00	1.44

Max.Eff.Inten.(mm/hr)= 146.45 57.88
 over (min) 5.00 11.00
 Storage Coeff. (min)= 2.04 (ii) 10.83 (ii)
 Unit Hyd. Tpeak (min)= 5.00 11.00
 Unit Hyd. peak (cms)= 0.37 0.10

TOTALS
 PEAK FLOW (cms)= 0.11 0.10 0.189 (iii)
 TIME TO PEAK (hrs)= 12.00 12.08 12.02

RUNOFF VOLUME (mm)=	117.65	39.71	56.85
TOTAL RAINFALL (mm)=	119.65	119.65	119.65
RUNOFF COEFFICIENT =	0.98	0.33	0.48

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)				
1 + 2 = 3				
ID1= 1 (0001):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
+ ID2= 2 (0003):	1.18	0.189	12.02	56.85
	19.20	0.466	13.42	27.25
ID = 3 (0005):	20.39	0.480	13.40	39.46

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:5.1 4 hr Chicago 25mm **

READ STORM	Filename: C:\Users\rbrockie\AppData\Local\Temp\6d6f5d86-5e6d-48ce-9a4b-7d19a3d518d0\dc3868a
Ptotal= 25.00 mm	Comments: 25MM4HR

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	2.07	1.00	5.70	2.00	5.19	3.00	2.80
0.17	2.27	1.17	10.78	2.17	4.47	3.17	2.62
0.33	2.52	1.33	50.21	2.33	3.95	3.33	2.48
0.50	2.88	1.50	13.37	2.50	3.56	3.50	2.35
0.67	3.38	1.67	8.29	2.67	3.25	3.67	2.23
0.83	4.18	1.83	6.30	2.83	3.01	3.83	2.14

CALIB	Area (ha)= 19.20	Curve Number (CN)= 55.0
NASHYD (0003)	Ia (mm)= 9.10	# of Linear Res.(N)= 3.00
ID= 1 DT= 1.0 min	U.H. Tp(hrs)= 1.32	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	2.07	1.017	5.70	2.017	5.19	3.02	2.80
0.033	2.07	1.033	5.70	2.033	5.19	3.03	2.80
0.050	2.07	1.050	5.70	2.050	5.19	3.05	2.80
0.067	2.07	1.067	5.70	2.067	5.19	3.07	2.80
0.083	2.07	1.083	5.70	2.083	5.19	3.08	2.80
0.100	2.07	1.100	5.70	2.100	5.19	3.10	2.80
0.117	2.07	1.117	5.70	2.117	5.19	3.12	2.80
0.133	2.07	1.133	5.70	2.133	5.19	3.13	2.80
0.150	2.07	1.150	5.70	2.150	5.19	3.15	2.80
0.167	2.07	1.167	5.70	2.167	5.19	3.17	2.80
0.183	2.27	1.183	10.78	2.183	4.47	3.18	2.62
0.200	2.27	1.200	10.78	2.200	4.47	3.20	2.62
0.217	2.27	1.217	10.78	2.217	4.47	3.22	2.62
0.233	2.27	1.233	10.78	2.233	4.47	3.23	2.62
0.250	2.27	1.250	10.78	2.250	4.47	3.25	2.62
0.267	2.27	1.267	10.78	2.267	4.47	3.27	2.62
0.283	2.27	1.283	10.78	2.283	4.47	3.28	2.62
0.300	2.27	1.300	10.78	2.300	4.47	3.30	2.62
0.317	2.27	1.317	10.78	2.317	4.47	3.32	2.62
0.333	2.27	1.333	10.78	2.333	4.47	3.33	2.62
0.350	2.52	1.350	50.21	2.350	3.95	3.35	2.48
0.367	2.52	1.367	50.21	2.367	3.95	3.37	2.48
0.383	2.52	1.383	50.21	2.383	3.95	3.38	2.48
0.400	2.52	1.400	50.21	2.400	3.95	3.40	2.48
0.417	2.52	1.417	50.21	2.417	3.95	3.42	2.48
0.433	2.52	1.433	50.21	2.433	3.95	3.43	2.48
0.450	2.52	1.450	50.21	2.450	3.95	3.45	2.48

0.467	2.52	1.467	50.21	2.467	3.95	3.47	2.48
0.483	2.52	1.483	50.21	2.483	3.95	3.48	2.48
0.500	2.52	1.500	50.21	2.500	3.95	3.50	2.48
0.517	2.88	1.517	13.37	2.517	3.56	3.52	2.35
0.533	2.88	1.533	13.37	2.533	3.56	3.53	2.35
0.550	2.88	1.550	13.37	2.550	3.56	3.55	2.35
0.567	2.88	1.567	13.37	2.567	3.56	3.57	2.35
0.583	2.88	1.583	13.37	2.583	3.56	3.58	2.35
0.600	2.88	1.600	13.37	2.600	3.56	3.60	2.35
0.617	2.88	1.617	13.37	2.617	3.56	3.62	2.35
0.633	2.88	1.633	13.37	2.633	3.56	3.63	2.35
0.650	2.88	1.650	13.37	2.650	3.56	3.65	2.35
0.667	2.88	1.667	13.37	2.667	3.56	3.67	2.35
0.683	3.38	1.683	8.29	2.683	3.25	3.68	2.23
0.700	3.38	1.700	8.29	2.700	3.25	3.70	2.23
0.717	3.38	1.717	8.29	2.717	3.25	3.72	2.23
0.733	3.38	1.733	8.29	2.733	3.25	3.73	2.23
0.750	3.38	1.750	8.29	2.750	3.25	3.75	2.23
0.767	3.38	1.767	8.29	2.767	3.25	3.77	2.23
0.783	3.38	1.783	8.29	2.783	3.25	3.78	2.23
0.800	3.38	1.800	8.29	2.800	3.25	3.80	2.23
0.817	3.38	1.817	8.29	2.817	3.25	3.82	2.23
0.833	3.38	1.833	8.29	2.833	3.25	3.83	2.23
0.850	4.18	1.850	6.30	2.850	3.01	3.85	2.14
0.867	4.18	1.867	6.30	2.867	3.01	3.87	2.14
0.883	4.18	1.883	6.30	2.883	3.01	3.88	2.14
0.900	4.18	1.900	6.30	2.900	3.01	3.90	2.14
0.917	4.18	1.917	6.30	2.917	3.01	3.92	2.14
0.933	4.18	1.933	6.30	2.933	3.01	3.93	2.14
0.950	4.18	1.950	6.30	2.950	3.01	3.95	2.14
0.967	4.18	1.967	6.30	2.967	3.01	3.97	2.14
0.983	4.18	1.983	6.30	2.983	3.01	3.98	2.14
1.000	4.18	2.000	6.30	3.000	3.01	4.00	2.14

Unit Hyd Qpeak (cms)= 0.556

PEAK FLOW (cms)= 0.018 (i)
TIME TO PEAK (hrs)= 4.150
RUNOFF VOLUME (mm)= 1.130
TOTAL RAINFALL (mm)= 24.997
RUNOFF COEFFICIENT = 0.045

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB STANDHYD (0001) ID= 1 DT= 1.0 min		Area (ha)= 1.18 Total Imp(%)= 22.00		Dir. Conn.(%)= 22.00	
		IMPERVIOUS		PERVIOUS (i)	
Surface Area	(ha)=	0.26		0.92	
Dep. Storage	(mm)=	2.00		5.00	
Average Slope	(%)=	1.00		2.00	
Length	(m)=	88.84		40.00	
Mannings n	=	0.013		0.250	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	2.07	1.017	5.70	2.017	5.19	3.02	2.80
0.033	2.07	1.033	5.70	2.033	5.19	3.03	2.80
0.050	2.07	1.050	5.70	2.050	5.19	3.05	2.80
0.067	2.07	1.067	5.70	2.067	5.19	3.07	2.80
0.083	2.07	1.083	5.70	2.083	5.19	3.08	2.80
0.100	2.07	1.100	5.70	2.100	5.19	3.10	2.80
0.117	2.07	1.117	5.70	2.117	5.19	3.12	2.80
0.133	2.07	1.133	5.70	2.133	5.19	3.13	2.80
0.150	2.07	1.150	5.70	2.150	5.19	3.15	2.80
0.167	2.07	1.167	5.70	2.167	5.19	3.17	2.80
0.183	2.27	1.183	10.78	2.183	4.47	3.18	2.62
0.200	2.27	1.200	10.78	2.200	4.47	3.20	2.62
0.217	2.27	1.217	10.78	2.217	4.47	3.22	2.62
0.233	2.27	1.233	10.78	2.233	4.47	3.23	2.62
0.250	2.27	1.250	10.78	2.250	4.47	3.25	2.62
0.267	2.27	1.267	10.78	2.267	4.47	3.27	2.62
0.283	2.27	1.283	10.78	2.283	4.47	3.28	2.62
0.300	2.27	1.300	10.78	2.300	4.47	3.30	2.62
0.317	2.27	1.317	10.78	2.317	4.47	3.32	2.62
0.333	2.27	1.333	10.78	2.333	4.47	3.33	2.62
0.350	2.52	1.350	50.21	2.350	3.95	3.35	2.48

0.367	2.52	1.367	50.21	2.367	3.95	3.37	2.48
0.383	2.52	1.383	50.21	2.383	3.95	3.38	2.48
0.400	2.52	1.400	50.21	2.400	3.95	3.40	2.48
0.417	2.52	1.417	50.21	2.417	3.95	3.42	2.48
0.433	2.52	1.433	50.21	2.433	3.95	3.43	2.48
0.450	2.52	1.450	50.21	2.450	3.95	3.45	2.48
0.467	2.52	1.467	50.21	2.467	3.95	3.47	2.48
0.483	2.52	1.483	50.21	2.483	3.95	3.48	2.48
0.500	2.52	1.500	50.21	2.500	3.95	3.50	2.48
0.517	2.88	1.517	13.37	2.517	3.56	3.52	2.35
0.533	2.88	1.533	13.37	2.533	3.56	3.53	2.35
0.550	2.88	1.550	13.37	2.550	3.56	3.55	2.35
0.567	2.88	1.567	13.37	2.567	3.56	3.57	2.35
0.583	2.88	1.583	13.37	2.583	3.56	3.58	2.35
0.600	2.88	1.600	13.37	2.600	3.56	3.60	2.35
0.617	2.88	1.617	13.37	2.617	3.56	3.62	2.35
0.633	2.88	1.633	13.37	2.633	3.56	3.63	2.35
0.650	2.88	1.650	13.37	2.650	3.56	3.65	2.35
0.667	2.88	1.667	13.37	2.667	3.56	3.67	2.35
0.683	3.38	1.683	8.29	2.683	3.25	3.68	2.23
0.700	3.38	1.700	8.29	2.700	3.25	3.70	2.23
0.717	3.38	1.717	8.29	2.717	3.25	3.72	2.23
0.733	3.38	1.733	8.29	2.733	3.25	3.73	2.23
0.750	3.38	1.750	8.29	2.750	3.25	3.75	2.23
0.767	3.38	1.767	8.29	2.767	3.25	3.77	2.23
0.783	3.38	1.783	8.29	2.783	3.25	3.78	2.23
0.800	3.38	1.800	8.29	2.800	3.25	3.80	2.23
0.817	3.38	1.817	8.29	2.817	3.25	3.82	2.23
0.833	3.38	1.833	8.29	2.833	3.25	3.83	2.23
0.850	4.18	1.850	6.30	2.850	3.01	3.85	2.14
0.867	4.18	1.867	6.30	2.867	3.01	3.87	2.14
0.883	4.18	1.883	6.30	2.883	3.01	3.88	2.14
0.900	4.18	1.900	6.30	2.900	3.01	3.90	2.14
0.917	4.18	1.917	6.30	2.917	3.01	3.92	2.14
0.933	4.18	1.933	6.30	2.933	3.01	3.93	2.14
0.950	4.18	1.950	6.30	2.950	3.01	3.95	2.14
0.967	4.18	1.967	6.30	2.967	3.01	3.97	2.14
0.983	4.18	1.983	6.30	2.983	3.01	3.98	2.14
1.000	4.18	2.000	6.30	3.000	3.01	4.00	2.14

Max.Eff.Inten.(mm/hr)=	50.21	1.19	
over (min)	5.00	45.00	
Storage Coeff. (min)=	3.13 (ii)	44.71 (ii)	
Unit Hyd. Tpeak (min)=	5.00	45.00	
Unit Hyd. peak (cms)=	0.30	0.03	
			TOTALS
PEAK FLOW (cms)=	0.03	0.00	0.034 (iii)
TIME TO PEAK (hrs)=	1.50	2.50	1.50
RUNOFF VOLUME (mm)=	23.00	1.69	6.36
TOTAL RAINFALL (mm)=	25.00	25.00	25.00
RUNOFF COEFFICIENT =	0.92	0.07	0.25

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0005)				
1 + 2 = 3				
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0001):	1.18	0.034	1.50	6.36
+ ID2= 2 (0003):	19.20	0.018	4.15	1.13
=====				
ID = 3 (0005):	20.39	0.034	1.50	1.43

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:1.1 Chicago 4hr 2yr **

Existing Conditions VO Outputs - East Creek

CALIB			
NASHYD (0004)	Area (ha)= 33.05	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.64		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	3.22	1.017	51.89	2.017	4.86	3.02	3.08
0.033	3.22	1.033	51.89	2.033	4.86	3.03	3.08
0.050	3.22	1.050	51.89	2.050	4.86	3.05	3.08
0.067	3.22	1.067	51.89	2.067	4.86	3.07	3.08
0.083	3.22	1.083	51.89	2.083	4.86	3.08	3.08
0.100	3.22	1.100	51.89	2.100	4.86	3.10	3.08
0.117	3.22	1.117	51.89	2.117	4.86	3.12	3.08
0.133	3.22	1.133	51.89	2.133	4.86	3.13	3.08
0.150	3.22	1.150	51.89	2.150	4.86	3.15	3.08
0.167	3.22	1.167	51.89	2.167	4.86	3.17	3.08
0.183	3.22	1.183	51.89	2.183	4.86	3.18	3.08
0.200	3.22	1.200	51.89	2.200	4.86	3.20	3.08
0.217	3.22	1.217	51.89	2.217	4.86	3.22	3.08
0.233	3.22	1.233	51.89	2.233	4.86	3.23	3.08
0.250	3.22	1.250	51.89	2.250	4.86	3.25	3.08
0.267	3.96	1.267	11.92	2.267	4.20	3.27	2.84
0.283	3.96	1.283	11.92	2.283	4.20	3.28	2.84
0.300	3.96	1.300	11.92	2.300	4.20	3.30	2.84
0.317	3.96	1.317	11.92	2.317	4.20	3.32	2.84
0.333	3.96	1.333	11.92	2.333	4.20	3.33	2.84
0.350	3.96	1.350	11.92	2.350	4.20	3.35	2.84
0.367	3.96	1.367	11.92	2.367	4.20	3.37	2.84
0.383	3.96	1.383	11.92	2.383	4.20	3.38	2.84
0.400	3.96	1.400	11.92	2.400	4.20	3.40	2.84
0.417	3.96	1.417	11.92	2.417	4.20	3.42	2.84
0.433	3.96	1.433	11.92	2.433	4.20	3.43	2.84
0.450	3.96	1.450	11.92	2.450	4.20	3.45	2.84
0.467	3.96	1.467	11.92	2.467	4.20	3.47	2.84
0.483	3.96	1.483	11.92	2.483	4.20	3.48	2.84
0.500	3.96	1.500	11.92	2.500	4.20	3.50	2.84
0.517	5.36	1.517	7.63	2.517	3.72	3.52	2.65
0.533	5.36	1.533	7.63	2.533	3.72	3.53	2.65
0.550	5.36	1.550	7.63	2.550	3.72	3.55	2.65
0.567	5.36	1.567	7.63	2.567	3.72	3.57	2.65
0.583	5.36	1.583	7.63	2.583	3.72	3.58	2.65
0.600	5.36	1.600	7.63	2.600	3.72	3.60	2.65
0.617	5.36	1.617	7.63	2.617	3.72	3.62	2.65
0.633	5.36	1.633	7.63	2.633	3.72	3.63	2.65
0.650	5.36	1.650	7.63	2.650	3.72	3.65	2.65
0.667	5.36	1.667	7.63	2.667	3.72	3.67	2.65
0.683	5.36	1.683	7.63	2.683	3.72	3.68	2.65
0.700	5.36	1.700	7.63	2.700	3.72	3.70	2.65
0.717	5.36	1.717	7.63	2.717	3.72	3.72	2.65
0.733	5.36	1.733	7.63	2.733	3.72	3.73	2.65
0.750	5.36	1.750	7.63	2.750	3.72	3.75	2.65
0.767	9.77	1.767	5.87	2.767	3.36	3.77	2.49
0.783	9.77	1.783	5.87	2.783	3.36	3.78	2.49
0.800	9.77	1.800	5.87	2.800	3.36	3.80	2.49
0.817	9.77	1.817	5.87	2.817	3.36	3.82	2.49
0.833	9.77	1.833	5.87	2.833	3.36	3.83	2.49
0.850	9.77	1.850	5.87	2.850	3.36	3.85	2.49
0.867	9.77	1.867	5.87	2.867	3.36	3.87	2.49
0.883	9.77	1.883	5.87	2.883	3.36	3.88	2.49
0.900	9.77	1.900	5.87	2.900	3.36	3.90	2.49
0.917	9.77	1.917	5.87	2.917	3.36	3.92	2.49
0.933	9.77	1.933	5.87	2.933	3.36	3.93	2.49
0.950	9.77	1.950	5.87	2.950	3.36	3.95	2.49
0.967	9.77	1.967	5.87	2.967	3.36	3.97	2.49
0.983	9.77	1.983	5.87	2.983	3.36	3.98	2.49
1.000	9.77	2.000	5.87	3.000	3.36	4.00	2.49

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.077 (i)
 TIME TO PEAK (hrs)= 2.400
 RUNOFF VOLUME (mm)= 2.290
 TOTAL RAINFALL (mm)= 31.702
 RUNOFF COEFFICIENT = 0.072

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	3.22	1.017	51.89	2.017	4.86	3.02	3.08
0.033	3.22	1.033	51.89	2.033	4.86	3.03	3.08
0.050	3.22	1.050	51.89	2.050	4.86	3.05	3.08
0.067	3.22	1.067	51.89	2.067	4.86	3.07	3.08
0.083	3.22	1.083	51.89	2.083	4.86	3.08	3.08
0.100	3.22	1.100	51.89	2.100	4.86	3.10	3.08
0.117	3.22	1.117	51.89	2.117	4.86	3.12	3.08
0.133	3.22	1.133	51.89	2.133	4.86	3.13	3.08
0.150	3.22	1.150	51.89	2.150	4.86	3.15	3.08
0.167	3.22	1.167	51.89	2.167	4.86	3.17	3.08
0.183	3.22	1.183	51.89	2.183	4.86	3.18	3.08
0.200	3.22	1.200	51.89	2.200	4.86	3.20	3.08
0.217	3.22	1.217	51.89	2.217	4.86	3.22	3.08
0.233	3.22	1.233	51.89	2.233	4.86	3.23	3.08
0.250	3.22	1.250	51.89	2.250	4.86	3.25	3.08
0.267	3.96	1.267	11.92	2.267	4.20	3.27	2.84
0.283	3.96	1.283	11.92	2.283	4.20	3.28	2.84
0.300	3.96	1.300	11.92	2.300	4.20	3.30	2.84
0.317	3.96	1.317	11.92	2.317	4.20	3.32	2.84
0.333	3.96	1.333	11.92	2.333	4.20	3.33	2.84
0.350	3.96	1.350	11.92	2.350	4.20	3.35	2.84
0.367	3.96	1.367	11.92	2.367	4.20	3.37	2.84
0.383	3.96	1.383	11.92	2.383	4.20	3.38	2.84
0.400	3.96	1.400	11.92	2.400	4.20	3.40	2.84
0.417	3.96	1.417	11.92	2.417	4.20	3.42	2.84
0.433	3.96	1.433	11.92	2.433	4.20	3.43	2.84
0.450	3.96	1.450	11.92	2.450	4.20	3.45	2.84
0.467	3.96	1.467	11.92	2.467	4.20	3.47	2.84
0.483	3.96	1.483	11.92	2.483	4.20	3.48	2.84
0.500	3.96	1.500	11.92	2.500	4.20	3.50	2.84
0.517	5.36	1.517	7.63	2.517	3.72	3.52	2.65
0.533	5.36	1.533	7.63	2.533	3.72	3.53	2.65
0.550	5.36	1.550	7.63	2.550	3.72	3.55	2.65
0.567	5.36	1.567	7.63	2.567	3.72	3.57	2.65
0.583	5.36	1.583	7.63	2.583	3.72	3.58	2.65
0.600	5.36	1.600	7.63	2.600	3.72	3.60	2.65
0.617	5.36	1.617	7.63	2.617	3.72	3.62	2.65
0.633	5.36	1.633	7.63	2.633	3.72	3.63	2.65
0.650	5.36	1.650	7.63	2.650	3.72	3.65	2.65
0.667	5.36	1.667	7.63	2.667	3.72	3.67	2.65
0.683	5.36	1.683	7.63	2.683	3.72	3.68	2.65
0.700	5.36	1.700	7.63	2.700	3.72	3.70	2.65
0.717	5.36	1.717	7.63	2.717	3.72	3.72	2.65
0.733	5.36	1.733	7.63	2.733	3.72	3.73	2.65
0.750	5.36	1.750	7.63	2.750	3.72	3.75	2.65
0.767	9.77	1.767	5.87	2.767	3.36	3.77	2.49
0.783	9.77	1.783	5.87	2.783	3.36	3.78	2.49
0.800	9.77	1.800	5.87	2.800	3.36	3.80	2.49
0.817	9.77	1.817	5.87	2.817	3.36	3.82	2.49
0.833	9.77	1.833	5.87	2.833	3.36	3.83	2.49
0.850	9.77	1.850	5.87	2.850	3.36	3.85	2.49
0.867	9.77	1.867	5.87	2.867	3.36	3.87	2.49
0.883	9.77	1.883	5.87	2.883	3.36	3.88	2.49
0.900	9.77	1.900	5.87	2.900	3.36	3.90	2.49
0.917	9.77	1.917	5.87	2.917	3.36	3.92	2.49
0.933	9.77	1.933	5.87	2.933	3.36	3.93	2.49
0.950	9.77	1.950	5.87	2.950	3.36	3.95	2.49
0.967	9.77	1.967	5.87	2.967	3.36	3.97	2.49
0.983	9.77	1.983	5.87	2.983	3.36	3.98	2.49
1.000	9.77	2.000	5.87	3.000	3.36	4.00	2.49

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.095 (i)
TIME TO PEAK (hrs)= 1.750
RUNOFF VOLUME (mm)= 4.018
TOTAL RAINFALL (mm)= 31.702
RUNOFF COEFFICIENT = 0.127

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

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-----
| ADD HYD ( 0006) |
| 1 + 2 = 3 |
|-----|
| ID1= 1 ( 0004): 33.05 0.077 2.40 2.29 |
| + ID2= 2 ( 0007): 15.86 0.095 1.75 4.02 |
|=====|
| ID = 3 ( 0006): 48.92 0.154 1.97 2.85 |
|=====|
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NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

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*****
** SIMULATION:1.2 Chicago 4hr 5yr **
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-----
| CALIB |
| NASHYD ( 0004) | Area (ha)= 33.05 Curve Number (CN)= 58.0
| ID= 1 DT= 1.0 min | Ia (mm)= 10.00 # of Linear Res.(N)= 3.00
|-----| U.H. Tp(hrs)= 0.64
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NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

```
----- TRANSFORMED HYETOGRAPH -----
TIME RAIN TIME RAIN TIME RAIN TIME RAIN
hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr
0.017 4.18 1.017 67.48 2.017 6.32 3.02 4.00
0.033 4.18 1.033 67.48 2.033 6.32 3.03 4.00
0.050 4.18 1.050 67.48 2.050 6.32 3.05 4.00
0.067 4.18 1.067 67.48 2.067 6.32 3.07 4.00
0.083 4.18 1.083 67.48 2.083 6.32 3.08 4.00
0.100 4.18 1.100 67.48 2.100 6.32 3.10 4.00
0.117 4.18 1.117 67.48 2.117 6.32 3.12 4.00
0.133 4.18 1.133 67.48 2.133 6.32 3.13 4.00
0.150 4.18 1.150 67.48 2.150 6.32 3.15 4.00
0.167 4.18 1.167 67.48 2.167 6.32 3.17 4.00
0.183 4.18 1.183 67.48 2.183 6.32 3.18 4.00
0.200 4.18 1.200 67.48 2.200 6.32 3.20 4.00
0.217 4.18 1.217 67.48 2.217 6.32 3.22 4.00
0.233 4.18 1.233 67.48 2.233 6.32 3.23 4.00
0.250 4.18 1.250 67.48 2.250 6.32 3.25 4.00
0.267 5.15 1.267 15.50 2.267 5.46 3.27 3.70
0.283 5.15 1.283 15.50 2.283 5.46 3.28 3.70
0.300 5.15 1.300 15.50 2.300 5.46 3.30 3.70
0.317 5.15 1.317 15.50 2.317 5.46 3.32 3.70
0.333 5.15 1.333 15.50 2.333 5.46 3.33 3.70
0.350 5.15 1.350 15.50 2.350 5.46 3.35 3.70
0.367 5.15 1.367 15.50 2.367 5.46 3.37 3.70
0.383 5.15 1.383 15.50 2.383 5.46 3.38 3.70
0.400 5.15 1.400 15.50 2.400 5.46 3.40 3.70
0.417 5.15 1.417 15.50 2.417 5.46 3.42 3.70
0.433 5.15 1.433 15.50 2.433 5.46 3.43 3.70
0.450 5.15 1.450 15.50 2.450 5.46 3.45 3.70
0.467 5.15 1.467 15.50 2.467 5.46 3.47 3.70
0.483 5.15 1.483 15.50 2.483 5.46 3.48 3.70
0.500 5.15 1.500 15.50 2.500 5.46 3.50 3.70
0.517 6.97 1.517 9.92 2.517 4.84 3.52 3.45
0.533 6.97 1.533 9.92 2.533 4.84 3.53 3.45
0.550 6.97 1.550 9.92 2.550 4.84 3.55 3.45
0.567 6.97 1.567 9.92 2.567 4.84 3.57 3.45
0.583 6.97 1.583 9.92 2.583 4.84 3.58 3.45
0.600 6.97 1.600 9.92 2.600 4.84 3.60 3.45
0.617 6.97 1.617 9.92 2.617 4.84 3.62 3.45
0.633 6.97 1.633 9.92 2.633 4.84 3.63 3.45
0.650 6.97 1.650 9.92 2.650 4.84 3.65 3.45
0.667 6.97 1.667 9.92 2.667 4.84 3.67 3.45
0.683 6.97 1.683 9.92 2.683 4.84 3.68 3.45
0.700 6.97 1.700 9.92 2.700 4.84 3.70 3.45
0.717 6.97 1.717 9.92 2.717 4.84 3.72 3.45
0.733 6.97 1.733 9.92 2.733 4.84 3.73 3.45
0.750 6.97 1.750 9.92 2.750 4.84 3.75 3.45
0.767 12.70 1.767 7.63 2.767 4.37 3.77 3.24
0.783 12.70 1.783 7.63 2.783 4.37 3.78 3.24
0.800 12.70 1.800 7.63 2.800 4.37 3.80 3.24
0.817 12.70 1.817 7.63 2.817 4.37 3.82 3.24
0.833 12.70 1.833 7.63 2.833 4.37 3.83 3.24
0.850 12.70 1.850 7.63 2.850 4.37 3.85 3.24
0.867 12.70 1.867 7.63 2.867 4.37 3.87 3.24
0.883 12.70 1.883 7.63 2.883 4.37 3.88 3.24
0.900 12.70 1.900 7.63 2.900 4.37 3.90 3.24
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0.917	12.70	1.917	7.63	2.917	4.37	3.92	3.24
0.933	12.70	1.933	7.63	2.933	4.37	3.93	3.24
0.950	12.70	1.950	7.63	2.950	4.37	3.95	3.24
0.967	12.70	1.967	7.63	2.967	4.37	3.97	3.24
0.983	12.70	1.983	7.63	2.983	4.37	3.98	3.24
1.000	12.70	2.000	7.63	3.000	4.37	4.00	3.24

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.161 (i)
TIME TO PEAK (hrs)= 2.267
RUNOFF VOLUME (mm)= 4.532
TOTAL RAINFALL (mm)= 41.228
RUNOFF COEFFICIENT = 0.110

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB							
NASHYD	(0007)	Area	(ha)= 15.86	Curve Number	(CN)= 62.0		
ID= 1	DT= 1.0 min	Ia	(mm)= 4.60	# of Linear Res.(N)= 3.00			
		U.H. Tp(hrs)=	0.40				

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	4.18	1.017	67.48	2.017	6.32	3.02	4.00
0.033	4.18	1.033	67.48	2.033	6.32	3.03	4.00
0.050	4.18	1.050	67.48	2.050	6.32	3.05	4.00
0.067	4.18	1.067	67.48	2.067	6.32	3.07	4.00
0.083	4.18	1.083	67.48	2.083	6.32	3.08	4.00
0.100	4.18	1.100	67.48	2.100	6.32	3.10	4.00
0.117	4.18	1.117	67.48	2.117	6.32	3.12	4.00
0.133	4.18	1.133	67.48	2.133	6.32	3.13	4.00
0.150	4.18	1.150	67.48	2.150	6.32	3.15	4.00
0.167	4.18	1.167	67.48	2.167	6.32	3.17	4.00
0.183	4.18	1.183	67.48	2.183	6.32	3.18	4.00
0.200	4.18	1.200	67.48	2.200	6.32	3.20	4.00
0.217	4.18	1.217	67.48	2.217	6.32	3.22	4.00
0.233	4.18	1.233	67.48	2.233	6.32	3.23	4.00
0.250	4.18	1.250	67.48	2.250	6.32	3.25	4.00
0.267	5.15	1.267	15.50	2.267	5.46	3.27	3.70
0.283	5.15	1.283	15.50	2.283	5.46	3.28	3.70
0.300	5.15	1.300	15.50	2.300	5.46	3.30	3.70
0.317	5.15	1.317	15.50	2.317	5.46	3.32	3.70
0.333	5.15	1.333	15.50	2.333	5.46	3.33	3.70
0.350	5.15	1.350	15.50	2.350	5.46	3.35	3.70
0.367	5.15	1.367	15.50	2.367	5.46	3.37	3.70
0.383	5.15	1.383	15.50	2.383	5.46	3.38	3.70
0.400	5.15	1.400	15.50	2.400	5.46	3.40	3.70
0.417	5.15	1.417	15.50	2.417	5.46	3.42	3.70
0.433	5.15	1.433	15.50	2.433	5.46	3.43	3.70
0.450	5.15	1.450	15.50	2.450	5.46	3.45	3.70
0.467	5.15	1.467	15.50	2.467	5.46	3.47	3.70
0.483	5.15	1.483	15.50	2.483	5.46	3.48	3.70
0.500	5.15	1.500	15.50	2.500	5.46	3.50	3.70
0.517	6.97	1.517	9.92	2.517	4.84	3.52	3.45
0.533	6.97	1.533	9.92	2.533	4.84	3.53	3.45
0.550	6.97	1.550	9.92	2.550	4.84	3.55	3.45
0.567	6.97	1.567	9.92	2.567	4.84	3.57	3.45
0.583	6.97	1.583	9.92	2.583	4.84	3.58	3.45
0.600	6.97	1.600	9.92	2.600	4.84	3.60	3.45
0.617	6.97	1.617	9.92	2.617	4.84	3.62	3.45
0.633	6.97	1.633	9.92	2.633	4.84	3.63	3.45
0.650	6.97	1.650	9.92	2.650	4.84	3.65	3.45
0.667	6.97	1.667	9.92	2.667	4.84	3.67	3.45
0.683	6.97	1.683	9.92	2.683	4.84	3.68	3.45
0.700	6.97	1.700	9.92	2.700	4.84	3.70	3.45
0.717	6.97	1.717	9.92	2.717	4.84	3.72	3.45
0.733	6.97	1.733	9.92	2.733	4.84	3.73	3.45
0.750	6.97	1.750	9.92	2.750	4.84	3.75	3.45
0.767	12.70	1.767	7.63	2.767	4.37	3.77	3.24
0.783	12.70	1.783	7.63	2.783	4.37	3.78	3.24
0.800	12.70	1.800	7.63	2.800	4.37	3.80	3.24
0.817	12.70	1.817	7.63	2.817	4.37	3.82	3.24
0.833	12.70	1.833	7.63	2.833	4.37	3.83	3.24
0.850	12.70	1.850	7.63	2.850	4.37	3.85	3.24
0.867	12.70	1.867	7.63	2.867	4.37	3.87	3.24
0.883	12.70	1.883	7.63	2.883	4.37	3.88	3.24
0.900	12.70	1.900	7.63	2.900	4.37	3.90	3.24

0.917	12.70	1.917	7.63	2.917	4.37	3.92	3.24
0.933	12.70	1.933	7.63	2.933	4.37	3.93	3.24
0.950	12.70	1.950	7.63	2.950	4.37	3.95	3.24
0.967	12.70	1.967	7.63	2.967	4.37	3.97	3.24
0.983	12.70	1.983	7.63	2.983	4.37	3.98	3.24
1.000	12.70	2.000	7.63	3.000	4.37	4.00	3.24

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.172 (i)
 TIME TO PEAK (hrs)= 1.717
 RUNOFF VOLUME (mm)= 6.976
 TOTAL RAINFALL (mm)= 41.228
 RUNOFF COEFFICIENT = 0.169

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0004):	33.05	0.161	2.27	4.53
+ ID2= 2 (0007):	15.86	0.172	1.72	6.98
=====	=====	=====	=====	=====
ID = 3 (0006):	48.92	0.304	1.93	5.32

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:1.3 Chicago 4hr 10yr **

CALIB	Area (ha)=	33.05	Curve Number (CN)=	58.0
NASHYD (0004)	Ia (mm)=	10.00	# of Linear Res.(N)=	3.00
ID= 1 DT= 1.0 min	U.H. Tp(hrs)=	0.64		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	4.80	1.017	77.82	2.017	7.26	3.02	4.59
0.033	4.80	1.033	77.82	2.033	7.25	3.03	4.59
0.050	4.80	1.050	77.82	2.050	7.25	3.05	4.59
0.067	4.80	1.067	77.82	2.067	7.25	3.07	4.59
0.083	4.80	1.083	77.82	2.083	7.25	3.08	4.59
0.100	4.80	1.100	77.82	2.100	7.25	3.10	4.59
0.117	4.80	1.117	77.82	2.117	7.25	3.12	4.59
0.133	4.80	1.133	77.82	2.133	7.25	3.13	4.59
0.150	4.80	1.150	77.82	2.150	7.25	3.15	4.59
0.167	4.80	1.167	77.82	2.167	7.25	3.17	4.59
0.183	4.80	1.183	77.82	2.183	7.25	3.18	4.59
0.200	4.80	1.200	77.82	2.200	7.25	3.20	4.59
0.217	4.80	1.217	77.82	2.217	7.25	3.22	4.59
0.233	4.80	1.233	77.82	2.233	7.25	3.23	4.59
0.250	4.80	1.250	77.82	2.250	7.25	3.25	4.59
0.267	5.90	1.267	17.81	2.267	6.26	3.27	4.24
0.283	5.90	1.283	17.81	2.283	6.26	3.28	4.24
0.300	5.90	1.300	17.81	2.300	6.26	3.30	4.24
0.317	5.90	1.317	17.81	2.317	6.26	3.32	4.24
0.333	5.90	1.333	17.81	2.333	6.26	3.33	4.24
0.350	5.90	1.350	17.81	2.350	6.26	3.35	4.24
0.367	5.90	1.367	17.81	2.367	6.26	3.37	4.24
0.383	5.90	1.383	17.81	2.383	6.26	3.38	4.24
0.400	5.90	1.400	17.81	2.400	6.26	3.40	4.24
0.417	5.90	1.417	17.81	2.417	6.26	3.42	4.24
0.433	5.90	1.433	17.81	2.433	6.26	3.43	4.24
0.450	5.90	1.450	17.81	2.450	6.26	3.45	4.24
0.467	5.90	1.467	17.81	2.467	6.26	3.47	4.24
0.483	5.90	1.483	17.81	2.483	6.26	3.48	4.24
0.500	5.90	1.500	17.81	2.500	6.26	3.50	4.24
0.517	8.00	1.517	11.39	2.517	5.55	3.52	3.95
0.533	8.00	1.533	11.39	2.533	5.55	3.53	3.95
0.550	8.00	1.550	11.39	2.550	5.55	3.55	3.95
0.567	8.00	1.567	11.39	2.567	5.55	3.57	3.95
0.583	8.00	1.583	11.39	2.583	5.55	3.58	3.95
0.600	8.00	1.600	11.39	2.600	5.55	3.60	3.95
0.617	8.00	1.617	11.39	2.617	5.55	3.62	3.95
0.633	8.00	1.633	11.39	2.633	5.55	3.63	3.95
0.650	8.00	1.650	11.39	2.650	5.55	3.65	3.95

0.667	8.00	1.667	11.39	2.667	5.55	3.67	3.95
0.683	8.00	1.683	11.39	2.683	5.55	3.68	3.95
0.700	8.00	1.700	11.39	2.700	5.55	3.70	3.95
0.717	8.00	1.717	11.39	2.717	5.55	3.72	3.95
0.733	8.00	1.733	11.39	2.733	5.55	3.73	3.95
0.750	8.00	1.750	11.39	2.750	5.55	3.75	3.95
0.767	14.59	1.767	8.76	2.767	5.01	3.77	3.71
0.783	14.59	1.783	8.76	2.783	5.01	3.78	3.71
0.800	14.59	1.800	8.76	2.800	5.01	3.80	3.71
0.817	14.59	1.817	8.76	2.817	5.01	3.82	3.71
0.833	14.59	1.833	8.76	2.833	5.01	3.83	3.71
0.850	14.59	1.850	8.76	2.850	5.01	3.85	3.71
0.867	14.59	1.867	8.76	2.867	5.01	3.87	3.71
0.883	14.59	1.883	8.76	2.883	5.01	3.88	3.71
0.900	14.59	1.900	8.76	2.900	5.01	3.90	3.71
0.917	14.59	1.917	8.76	2.917	5.01	3.92	3.71
0.933	14.59	1.933	8.76	2.933	5.01	3.93	3.71
0.950	14.59	1.950	8.76	2.950	5.01	3.95	3.71
0.967	14.59	1.967	8.76	2.967	5.01	3.97	3.71
0.983	14.59	1.983	8.76	2.983	5.01	3.98	3.71
1.000	14.59	2.000	8.76	3.000	5.01	4.00	3.71

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.230 (i)
TIME TO PEAK (hrs)= 2.200
RUNOFF VOLUME (mm)= 6.322
TOTAL RAINFALL (mm)= 47.409
RUNOFF COEFFICIENT = 0.133

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	4.80	1.017	77.82	2.017	7.26	3.02	4.59
0.033	4.80	1.033	77.82	2.033	7.25	3.03	4.59
0.050	4.80	1.050	77.82	2.050	7.25	3.05	4.59
0.067	4.80	1.067	77.82	2.067	7.25	3.07	4.59
0.083	4.80	1.083	77.82	2.083	7.25	3.08	4.59
0.100	4.80	1.100	77.82	2.100	7.25	3.10	4.59
0.117	4.80	1.117	77.82	2.117	7.25	3.12	4.59
0.133	4.80	1.133	77.82	2.133	7.25	3.13	4.59
0.150	4.80	1.150	77.82	2.150	7.25	3.15	4.59
0.167	4.80	1.167	77.82	2.167	7.25	3.17	4.59
0.183	4.80	1.183	77.82	2.183	7.25	3.18	4.59
0.200	4.80	1.200	77.82	2.200	7.25	3.20	4.59
0.217	4.80	1.217	77.82	2.217	7.25	3.22	4.59
0.233	4.80	1.233	77.82	2.233	7.25	3.23	4.59
0.250	4.80	1.250	77.82	2.250	7.25	3.25	4.59
0.267	5.90	1.267	17.81	2.267	6.26	3.27	4.24
0.283	5.90	1.283	17.81	2.283	6.26	3.28	4.24
0.300	5.90	1.300	17.81	2.300	6.26	3.30	4.24
0.317	5.90	1.317	17.81	2.317	6.26	3.32	4.24
0.333	5.90	1.333	17.81	2.333	6.26	3.33	4.24
0.350	5.90	1.350	17.81	2.350	6.26	3.35	4.24
0.367	5.90	1.367	17.81	2.367	6.26	3.37	4.24
0.383	5.90	1.383	17.81	2.383	6.26	3.38	4.24
0.400	5.90	1.400	17.81	2.400	6.26	3.40	4.24
0.417	5.90	1.417	17.81	2.417	6.26	3.42	4.24
0.433	5.90	1.433	17.81	2.433	6.26	3.43	4.24
0.450	5.90	1.450	17.81	2.450	6.26	3.45	4.24
0.467	5.90	1.467	17.81	2.467	6.26	3.47	4.24
0.483	5.90	1.483	17.81	2.483	6.26	3.48	4.24
0.500	5.90	1.500	17.81	2.500	6.26	3.50	4.24
0.517	8.00	1.517	11.39	2.517	5.55	3.52	3.95
0.533	8.00	1.533	11.39	2.533	5.55	3.53	3.95
0.550	8.00	1.550	11.39	2.550	5.55	3.55	3.95
0.567	8.00	1.567	11.39	2.567	5.55	3.57	3.95
0.583	8.00	1.583	11.39	2.583	5.55	3.58	3.95
0.600	8.00	1.600	11.39	2.600	5.55	3.60	3.95
0.617	8.00	1.617	11.39	2.617	5.55	3.62	3.95
0.633	8.00	1.633	11.39	2.633	5.55	3.63	3.95
0.650	8.00	1.650	11.39	2.650	5.55	3.65	3.95

0.667	8.00	1.667	11.39	2.667	5.55	3.67	3.95
0.683	8.00	1.683	11.39	2.683	5.55	3.68	3.95
0.700	8.00	1.700	11.39	2.700	5.55	3.70	3.95
0.717	8.00	1.717	11.39	2.717	5.55	3.72	3.95
0.733	8.00	1.733	11.39	2.733	5.55	3.73	3.95
0.750	8.00	1.750	11.39	2.750	5.55	3.75	3.95
0.767	14.59	1.767	8.76	2.767	5.01	3.77	3.71
0.783	14.59	1.783	8.76	2.783	5.01	3.78	3.71
0.800	14.59	1.800	8.76	2.800	5.01	3.80	3.71
0.817	14.59	1.817	8.76	2.817	5.01	3.82	3.71
0.833	14.59	1.833	8.76	2.833	5.01	3.83	3.71
0.850	14.59	1.850	8.76	2.850	5.01	3.85	3.71
0.867	14.59	1.867	8.76	2.867	5.01	3.87	3.71
0.883	14.59	1.883	8.76	2.883	5.01	3.88	3.71
0.900	14.59	1.900	8.76	2.900	5.01	3.90	3.71
0.917	14.59	1.917	8.76	2.917	5.01	3.92	3.71
0.933	14.59	1.933	8.76	2.933	5.01	3.93	3.71
0.950	14.59	1.950	8.76	2.950	5.01	3.95	3.71
0.967	14.59	1.967	8.76	2.967	5.01	3.97	3.71
0.983	14.59	1.983	8.76	2.983	5.01	3.98	3.71
1.000	14.59	2.000	8.76	3.000	5.01	4.00	3.71

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.232 (i)
TIME TO PEAK (hrs)= 1.700
RUNOFF VOLUME (mm)= 9.233
TOTAL RAINFALL (mm)= 47.409
RUNOFF COEFFICIENT = 0.195

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)				
1 + 2 = 3				
		AREA	QPEAK	TPEAK
		(ha)	(cms)	(hrs)
ID1= 1 (0004):		33.05	0.230	2.20
+ ID2= 2 (0007):		15.86	0.232	1.70
ID = 3 (0006):		48.92	0.426	1.92
				7.27

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:1.4 Chicago 4hr 25yr **

CALIB			
NASHYD (0004)		Area (ha)= 33.05	Curve Number (CN)= 58.0
ID= 1 DT= 1.0 min		Ia (mm)= 10.00	# of Linear Res.(N)= 3.00
		U.H. Tp(hrs)= 0.64	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	5.60	1.017	90.87	2.017	8.47	3.02	5.36
0.033	5.60	1.033	90.87	2.033	8.47	3.03	5.36
0.050	5.60	1.050	90.87	2.050	8.47	3.05	5.36
0.067	5.60	1.067	90.87	2.067	8.47	3.07	5.36
0.083	5.60	1.083	90.87	2.083	8.47	3.08	5.36
0.100	5.60	1.100	90.87	2.100	8.47	3.10	5.36
0.117	5.60	1.117	90.87	2.117	8.47	3.12	5.36
0.133	5.60	1.133	90.87	2.133	8.47	3.13	5.36
0.150	5.60	1.150	90.87	2.150	8.47	3.15	5.36
0.167	5.60	1.167	90.87	2.167	8.47	3.17	5.36
0.183	5.60	1.183	90.87	2.183	8.47	3.18	5.36
0.200	5.60	1.200	90.87	2.200	8.47	3.20	5.36
0.217	5.60	1.217	90.87	2.217	8.47	3.22	5.36
0.233	5.60	1.233	90.87	2.233	8.47	3.23	5.36
0.250	5.60	1.250	90.87	2.250	8.47	3.25	5.36
0.267	6.89	1.267	20.80	2.267	7.32	3.27	4.95
0.283	6.89	1.283	20.79	2.283	7.32	3.28	4.95
0.300	6.89	1.300	20.79	2.300	7.32	3.30	4.95
0.317	6.89	1.317	20.79	2.317	7.32	3.32	4.95
0.333	6.89	1.333	20.79	2.333	7.32	3.33	4.95
0.350	6.89	1.350	20.79	2.350	7.32	3.35	4.95
0.367	6.89	1.367	20.79	2.367	7.32	3.37	4.95
0.383	6.89	1.383	20.79	2.383	7.32	3.38	4.95
0.400	6.89	1.400	20.79	2.400	7.32	3.40	4.95

0.417	6.89	1.417	20.79	2.417	7.32	3.42	4.95
0.433	6.89	1.433	20.79	2.433	7.32	3.43	4.95
0.450	6.89	1.450	20.79	2.450	7.32	3.45	4.95
0.467	6.89	1.467	20.79	2.467	7.32	3.47	4.95
0.483	6.89	1.483	20.79	2.483	7.32	3.48	4.95
0.500	6.89	1.500	20.79	2.500	7.32	3.50	4.95
0.517	9.34	1.517	13.30	2.517	6.49	3.52	4.62
0.533	9.34	1.533	13.30	2.533	6.49	3.53	4.62
0.550	9.34	1.550	13.30	2.550	6.49	3.55	4.62
0.567	9.34	1.567	13.30	2.567	6.49	3.57	4.62
0.583	9.34	1.583	13.30	2.583	6.49	3.58	4.62
0.600	9.34	1.600	13.30	2.600	6.49	3.60	4.62
0.617	9.34	1.617	13.30	2.617	6.49	3.62	4.62
0.633	9.34	1.633	13.30	2.633	6.49	3.63	4.62
0.650	9.34	1.650	13.30	2.650	6.49	3.65	4.62
0.667	9.34	1.667	13.30	2.667	6.49	3.67	4.62
0.683	9.34	1.683	13.30	2.683	6.49	3.68	4.62
0.700	9.34	1.700	13.30	2.700	6.49	3.70	4.62
0.717	9.34	1.717	13.30	2.717	6.49	3.72	4.62
0.733	9.34	1.733	13.30	2.733	6.49	3.73	4.62
0.750	9.34	1.750	13.30	2.750	6.49	3.75	4.62
0.767	17.04	1.767	10.23	2.767	5.85	3.77	4.33
0.783	17.04	1.783	10.23	2.783	5.85	3.78	4.33
0.800	17.04	1.800	10.23	2.800	5.85	3.80	4.33
0.817	17.04	1.817	10.23	2.817	5.85	3.82	4.33
0.833	17.04	1.833	10.23	2.833	5.85	3.83	4.33
0.850	17.04	1.850	10.23	2.850	5.85	3.85	4.33
0.867	17.04	1.867	10.23	2.867	5.85	3.87	4.33
0.883	17.04	1.883	10.23	2.883	5.85	3.88	4.33
0.900	17.04	1.900	10.23	2.900	5.85	3.90	4.33
0.917	17.04	1.917	10.23	2.917	5.85	3.92	4.33
0.933	17.04	1.933	10.23	2.933	5.85	3.93	4.33
0.950	17.04	1.950	10.23	2.950	5.85	3.95	4.33
0.967	17.04	1.967	10.23	2.967	5.85	3.97	4.33
0.983	17.04	1.983	10.23	2.983	5.85	3.98	4.33
1.000	17.04	2.000	10.23	3.000	5.85	4.00	4.33

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.335 (i)
TIME TO PEAK (hrs)= 2.167
RUNOFF VOLUME (mm)= 8.974
TOTAL RAINFALL (mm)= 55.362
RUNOFF COEFFICIENT = 0.162

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	5.60	1.017	90.87	2.017	8.47	3.02	5.36
0.033	5.60	1.033	90.87	2.033	8.47	3.03	5.36
0.050	5.60	1.050	90.87	2.050	8.47	3.05	5.36
0.067	5.60	1.067	90.87	2.067	8.47	3.07	5.36
0.083	5.60	1.083	90.87	2.083	8.47	3.08	5.36
0.100	5.60	1.100	90.87	2.100	8.47	3.10	5.36
0.117	5.60	1.117	90.87	2.117	8.47	3.12	5.36
0.133	5.60	1.133	90.87	2.133	8.47	3.13	5.36
0.150	5.60	1.150	90.87	2.150	8.47	3.15	5.36
0.167	5.60	1.167	90.87	2.167	8.47	3.17	5.36
0.183	5.60	1.183	90.87	2.183	8.47	3.18	5.36
0.200	5.60	1.200	90.87	2.200	8.47	3.20	5.36
0.217	5.60	1.217	90.87	2.217	8.47	3.22	5.36
0.233	5.60	1.233	90.87	2.233	8.47	3.23	5.36
0.250	5.60	1.250	90.87	2.250	8.47	3.25	5.36
0.267	6.89	1.267	20.80	2.267	7.32	3.27	4.95
0.283	6.89	1.283	20.79	2.283	7.32	3.28	4.95
0.300	6.89	1.300	20.79	2.300	7.32	3.30	4.95
0.317	6.89	1.317	20.79	2.317	7.32	3.32	4.95
0.333	6.89	1.333	20.79	2.333	7.32	3.33	4.95
0.350	6.89	1.350	20.79	2.350	7.32	3.35	4.95
0.367	6.89	1.367	20.79	2.367	7.32	3.37	4.95
0.383	6.89	1.383	20.79	2.383	7.32	3.38	4.95
0.400	6.89	1.400	20.79	2.400	7.32	3.40	4.95

0.417	6.89	1.417	20.79	2.417	7.32	3.42	4.95
0.433	6.89	1.433	20.79	2.433	7.32	3.43	4.95
0.450	6.89	1.450	20.79	2.450	7.32	3.45	4.95
0.467	6.89	1.467	20.79	2.467	7.32	3.47	4.95
0.483	6.89	1.483	20.79	2.483	7.32	3.48	4.95
0.500	6.89	1.500	20.79	2.500	7.32	3.50	4.95
0.517	9.34	1.517	13.30	2.517	6.49	3.52	4.62
0.533	9.34	1.533	13.30	2.533	6.49	3.53	4.62
0.550	9.34	1.550	13.30	2.550	6.49	3.55	4.62
0.567	9.34	1.567	13.30	2.567	6.49	3.57	4.62
0.583	9.34	1.583	13.30	2.583	6.49	3.58	4.62
0.600	9.34	1.600	13.30	2.600	6.49	3.60	4.62
0.617	9.34	1.617	13.30	2.617	6.49	3.62	4.62
0.633	9.34	1.633	13.30	2.633	6.49	3.63	4.62
0.650	9.34	1.650	13.30	2.650	6.49	3.65	4.62
0.667	9.34	1.667	13.30	2.667	6.49	3.67	4.62
0.683	9.34	1.683	13.30	2.683	6.49	3.68	4.62
0.700	9.34	1.700	13.30	2.700	6.49	3.70	4.62
0.717	9.34	1.717	13.30	2.717	6.49	3.72	4.62
0.733	9.34	1.733	13.30	2.733	6.49	3.73	4.62
0.750	9.34	1.750	13.30	2.750	6.49	3.75	4.62
0.767	17.04	1.767	10.23	2.767	5.85	3.77	4.33
0.783	17.04	1.783	10.23	2.783	5.85	3.78	4.33
0.800	17.04	1.800	10.23	2.800	5.85	3.80	4.33
0.817	17.04	1.817	10.23	2.817	5.85	3.82	4.33
0.833	17.04	1.833	10.23	2.833	5.85	3.83	4.33
0.850	17.04	1.850	10.23	2.850	5.85	3.85	4.33
0.867	17.04	1.867	10.23	2.867	5.85	3.87	4.33
0.883	17.04	1.883	10.23	2.883	5.85	3.88	4.33
0.900	17.04	1.900	10.23	2.900	5.85	3.90	4.33
0.917	17.04	1.917	10.23	2.917	5.85	3.92	4.33
0.933	17.04	1.933	10.23	2.933	5.85	3.93	4.33
0.950	17.04	1.950	10.23	2.950	5.85	3.95	4.33
0.967	17.04	1.967	10.23	2.967	5.85	3.97	4.33
0.983	17.04	1.983	10.23	2.983	5.85	3.98	4.33
1.000	17.04	2.000	10.23	3.000	5.85	4.00	4.33

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.320 (i)
TIME TO PEAK (hrs)= 1.700
RUNOFF VOLUME (mm)= 12.482
TOTAL RAINFALL (mm)= 55.362
RUNOFF COEFFICIENT = 0.225

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 +	2 = 3				
ID1= 1 (0004):		33.05	0.335	2.17	8.97
+ ID2= 2 (0007):		15.86	0.320	1.70	12.48
=====		=====			
ID = 3 (0006):		48.92	0.608	1.90	10.11

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:1.5 Chicago 4hr 50yr **

CALIB		Area (ha)=	Curve Number (CN)=
NASHYD (0004)			
ID= 1 DT= 1.0 min		Ia (mm)= 10.00	# of Linear Res.(N)= 3.00
-----		U.H. Tp(hrs)= 0.64	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	6.20	1.017	100.60	2.017	9.38	3.02	5.93
0.033	6.20	1.033	100.60	2.033	9.38	3.03	5.93
0.050	6.20	1.050	100.60	2.050	9.38	3.05	5.93
0.067	6.20	1.067	100.60	2.067	9.38	3.07	5.93
0.083	6.20	1.083	100.60	2.083	9.38	3.08	5.93
0.100	6.20	1.100	100.60	2.100	9.38	3.10	5.93
0.117	6.20	1.117	100.60	2.117	9.38	3.12	5.93
0.133	6.20	1.133	100.60	2.133	9.38	3.13	5.93
0.150	6.20	1.150	100.60	2.150	9.38	3.15	5.93

0.167	6.20	1.167	100.60	2.167	9.38	3.17	5.93
0.183	6.20	1.183	100.60	2.183	9.38	3.18	5.93
0.200	6.20	1.200	100.60	2.200	9.38	3.20	5.93
0.217	6.20	1.217	100.60	2.217	9.38	3.22	5.93
0.233	6.20	1.233	100.60	2.233	9.38	3.23	5.93
0.250	6.20	1.250	100.60	2.250	9.38	3.25	5.93
0.267	7.63	1.267	23.02	2.267	8.10	3.27	5.48
0.283	7.63	1.283	23.02	2.283	8.10	3.28	5.48
0.300	7.63	1.300	23.02	2.300	8.10	3.30	5.48
0.317	7.63	1.317	23.02	2.317	8.10	3.32	5.48
0.333	7.63	1.333	23.02	2.333	8.10	3.33	5.48
0.350	7.63	1.350	23.02	2.350	8.10	3.35	5.48
0.367	7.63	1.367	23.02	2.367	8.10	3.37	5.48
0.383	7.63	1.383	23.02	2.383	8.10	3.38	5.48
0.400	7.63	1.400	23.02	2.400	8.10	3.40	5.48
0.417	7.63	1.417	23.02	2.417	8.10	3.42	5.48
0.433	7.63	1.433	23.02	2.433	8.10	3.43	5.48
0.450	7.63	1.450	23.02	2.450	8.10	3.45	5.48
0.467	7.63	1.467	23.02	2.467	8.10	3.47	5.48
0.483	7.63	1.483	23.02	2.483	8.10	3.48	5.48
0.500	7.63	1.500	23.02	2.500	8.10	3.50	5.48
0.517	10.34	1.517	14.72	2.517	7.18	3.52	5.11
0.533	10.34	1.533	14.72	2.533	7.18	3.53	5.11
0.550	10.34	1.550	14.72	2.550	7.18	3.55	5.11
0.567	10.34	1.567	14.72	2.567	7.18	3.57	5.11
0.583	10.34	1.583	14.72	2.583	7.18	3.58	5.11
0.600	10.34	1.600	14.72	2.600	7.18	3.60	5.11
0.617	10.34	1.617	14.72	2.617	7.18	3.62	5.11
0.633	10.34	1.633	14.72	2.633	7.18	3.63	5.11
0.650	10.34	1.650	14.72	2.650	7.18	3.65	5.11
0.667	10.34	1.667	14.72	2.667	7.18	3.67	5.11
0.683	10.34	1.683	14.72	2.683	7.18	3.68	5.11
0.700	10.34	1.700	14.72	2.700	7.18	3.70	5.11
0.717	10.34	1.717	14.72	2.717	7.18	3.72	5.11
0.733	10.34	1.733	14.72	2.733	7.18	3.73	5.11
0.750	10.34	1.750	14.72	2.750	7.18	3.75	5.11
0.767	18.86	1.767	11.32	2.767	6.48	3.77	4.80
0.783	18.86	1.783	11.32	2.783	6.48	3.78	4.80
0.800	18.86	1.800	11.32	2.800	6.48	3.80	4.80
0.817	18.86	1.817	11.32	2.817	6.48	3.82	4.80
0.833	18.86	1.833	11.32	2.833	6.48	3.83	4.80
0.850	18.86	1.850	11.32	2.850	6.48	3.85	4.80
0.867	18.86	1.867	11.32	2.867	6.48	3.87	4.80
0.883	18.86	1.883	11.32	2.883	6.48	3.88	4.80
0.900	18.86	1.900	11.32	2.900	6.48	3.90	4.80
0.917	18.86	1.917	11.32	2.917	6.48	3.92	4.80
0.933	18.86	1.933	11.32	2.933	6.48	3.93	4.80
0.950	18.86	1.950	11.32	2.950	6.48	3.95	4.80
0.967	18.86	1.967	11.32	2.967	6.48	3.97	4.80
0.983	18.86	1.983	11.32	2.983	6.48	3.98	4.80
1.000	18.86	2.000	11.32	3.000	6.48	4.00	4.80

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.425 (i)
TIME TO PEAK (hrs)= 2.133
RUNOFF VOLUME (mm)= 11.183
TOTAL RAINFALL (mm)= 61.288
RUNOFF COEFFICIENT = 0.182

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.20	1.017	100.60	2.017	9.38	3.02	5.93
0.033	6.20	1.033	100.60	2.033	9.38	3.03	5.93
0.050	6.20	1.050	100.60	2.050	9.38	3.05	5.93
0.067	6.20	1.067	100.60	2.067	9.38	3.07	5.93
0.083	6.20	1.083	100.60	2.083	9.38	3.08	5.93
0.100	6.20	1.100	100.60	2.100	9.38	3.10	5.93
0.117	6.20	1.117	100.60	2.117	9.38	3.12	5.93
0.133	6.20	1.133	100.60	2.133	9.38	3.13	5.93
0.150	6.20	1.150	100.60	2.150	9.38	3.15	5.93

0.167	6.20	1.167	100.60	2.167	9.38	3.17	5.93
0.183	6.20	1.183	100.60	2.183	9.38	3.18	5.93
0.200	6.20	1.200	100.60	2.200	9.38	3.20	5.93
0.217	6.20	1.217	100.60	2.217	9.38	3.22	5.93
0.233	6.20	1.233	100.60	2.233	9.38	3.23	5.93
0.250	6.20	1.250	100.60	2.250	9.38	3.25	5.93
0.267	7.63	1.267	23.02	2.267	8.10	3.27	5.48
0.283	7.63	1.283	23.02	2.283	8.10	3.28	5.48
0.300	7.63	1.300	23.02	2.300	8.10	3.30	5.48
0.317	7.63	1.317	23.02	2.317	8.10	3.32	5.48
0.333	7.63	1.333	23.02	2.333	8.10	3.33	5.48
0.350	7.63	1.350	23.02	2.350	8.10	3.35	5.48
0.367	7.63	1.367	23.02	2.367	8.10	3.37	5.48
0.383	7.63	1.383	23.02	2.383	8.10	3.38	5.48
0.400	7.63	1.400	23.02	2.400	8.10	3.40	5.48
0.417	7.63	1.417	23.02	2.417	8.10	3.42	5.48
0.433	7.63	1.433	23.02	2.433	8.10	3.43	5.48
0.450	7.63	1.450	23.02	2.450	8.10	3.45	5.48
0.467	7.63	1.467	23.02	2.467	8.10	3.47	5.48
0.483	7.63	1.483	23.02	2.483	8.10	3.48	5.48
0.500	7.63	1.500	23.02	2.500	8.10	3.50	5.48
0.517	10.34	1.517	14.72	2.517	7.18	3.52	5.11
0.533	10.34	1.533	14.72	2.533	7.18	3.53	5.11
0.550	10.34	1.550	14.72	2.550	7.18	3.55	5.11
0.567	10.34	1.567	14.72	2.567	7.18	3.57	5.11
0.583	10.34	1.583	14.72	2.583	7.18	3.58	5.11
0.600	10.34	1.600	14.72	2.600	7.18	3.60	5.11
0.617	10.34	1.617	14.72	2.617	7.18	3.62	5.11
0.633	10.34	1.633	14.72	2.633	7.18	3.63	5.11
0.650	10.34	1.650	14.72	2.650	7.18	3.65	5.11
0.667	10.34	1.667	14.72	2.667	7.18	3.67	5.11
0.683	10.34	1.683	14.72	2.683	7.18	3.68	5.11
0.700	10.34	1.700	14.72	2.700	7.18	3.70	5.11
0.717	10.34	1.717	14.72	2.717	7.18	3.72	5.11
0.733	10.34	1.733	14.72	2.733	7.18	3.73	5.11
0.750	10.34	1.750	14.72	2.750	7.18	3.75	5.11
0.767	18.86	1.767	11.32	2.767	6.48	3.77	4.80
0.783	18.86	1.783	11.32	2.783	6.48	3.78	4.80
0.800	18.86	1.800	11.32	2.800	6.48	3.80	4.80
0.817	18.86	1.817	11.32	2.817	6.48	3.82	4.80
0.833	18.86	1.833	11.32	2.833	6.48	3.83	4.80
0.850	18.86	1.850	11.32	2.850	6.48	3.85	4.80
0.867	18.86	1.867	11.32	2.867	6.48	3.87	4.80
0.883	18.86	1.883	11.32	2.883	6.48	3.88	4.80
0.900	18.86	1.900	11.32	2.900	6.48	3.90	4.80
0.917	18.86	1.917	11.32	2.917	6.48	3.92	4.80
0.933	18.86	1.933	11.32	2.933	6.48	3.93	4.80
0.950	18.86	1.950	11.32	2.950	6.48	3.95	4.80
0.967	18.86	1.967	11.32	2.967	6.48	3.97	4.80
0.983	18.86	1.983	11.32	2.983	6.48	3.98	4.80
1.000	18.86	2.000	11.32	3.000	6.48	4.00	4.80

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.392 (i)
TIME TO PEAK (hrs)= 1.683
RUNOFF VOLUME (mm)= 15.132
TOTAL RAINFALL (mm)= 61.288
RUNOFF COEFFICIENT = 0.247

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0004):	33.05	0.425	2.13	11.18
+ ID2= 2 (0007):	15.86	0.392	1.68	15.13
=====				
ID = 3 (0006):	48.92	0.760	1.88	12.46

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:1.6 Chicago 4hr 100yr **

CALIB				
NASHYD (0004)	Area	(ha)=	33.05	Curve Number (CN)= 58.0
ID= 1 DT= 1.0 min	Ia	(mm)=	10.00	# of Linear Res.(N)= 3.00
	U.H. Tp	(hrs)=	0.64	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.78	1.017	110.07	2.017	10.26	3.02	6.49
0.033	6.78	1.033	110.07	2.033	10.26	3.03	6.49
0.050	6.78	1.050	110.07	2.050	10.26	3.05	6.49
0.067	6.78	1.067	110.07	2.067	10.26	3.07	6.49
0.083	6.78	1.083	110.07	2.083	10.26	3.08	6.49
0.100	6.78	1.100	110.07	2.100	10.26	3.10	6.49
0.117	6.78	1.117	110.07	2.117	10.26	3.12	6.49
0.133	6.78	1.133	110.07	2.133	10.26	3.13	6.49
0.150	6.78	1.150	110.07	2.150	10.26	3.15	6.49
0.167	6.78	1.167	110.07	2.167	10.26	3.17	6.49
0.183	6.78	1.183	110.07	2.183	10.26	3.18	6.49
0.200	6.78	1.200	110.07	2.200	10.26	3.20	6.49
0.217	6.78	1.217	110.07	2.217	10.26	3.22	6.49
0.233	6.78	1.233	110.07	2.233	10.26	3.23	6.49
0.250	6.78	1.250	110.07	2.250	10.26	3.25	6.49
0.267	8.35	1.267	25.19	2.267	8.86	3.27	6.00
0.283	8.35	1.283	25.19	2.283	8.86	3.28	6.00
0.300	8.35	1.300	25.19	2.300	8.86	3.30	6.00
0.317	8.35	1.317	25.19	2.317	8.86	3.32	6.00
0.333	8.35	1.333	25.19	2.333	8.86	3.33	6.00
0.350	8.35	1.350	25.19	2.350	8.86	3.35	6.00
0.367	8.35	1.367	25.19	2.367	8.86	3.37	6.00
0.383	8.35	1.383	25.19	2.383	8.86	3.38	6.00
0.400	8.35	1.400	25.19	2.400	8.86	3.40	6.00
0.417	8.35	1.417	25.19	2.417	8.86	3.42	6.00
0.433	8.35	1.433	25.19	2.433	8.86	3.43	6.00
0.450	8.35	1.450	25.19	2.450	8.86	3.45	6.00
0.467	8.35	1.467	25.19	2.467	8.86	3.47	6.00
0.483	8.35	1.483	25.19	2.483	8.86	3.48	6.00
0.500	8.35	1.500	25.19	2.500	8.86	3.50	6.00
0.517	11.31	1.517	16.11	2.517	7.86	3.52	5.59
0.533	11.31	1.533	16.11	2.533	7.86	3.53	5.59
0.550	11.31	1.550	16.11	2.550	7.86	3.55	5.59
0.567	11.31	1.567	16.11	2.567	7.86	3.57	5.59
0.583	11.31	1.583	16.11	2.583	7.86	3.58	5.59
0.600	11.31	1.600	16.11	2.600	7.86	3.60	5.59
0.617	11.31	1.617	16.11	2.617	7.86	3.62	5.59
0.633	11.31	1.633	16.11	2.633	7.86	3.63	5.59
0.650	11.31	1.650	16.11	2.650	7.86	3.65	5.59
0.667	11.31	1.667	16.11	2.667	7.86	3.67	5.59
0.683	11.31	1.683	16.11	2.683	7.86	3.68	5.59
0.700	11.31	1.700	16.11	2.700	7.86	3.70	5.59
0.717	11.31	1.717	16.11	2.717	7.86	3.72	5.59
0.733	11.31	1.733	16.11	2.733	7.86	3.73	5.59
0.750	11.31	1.750	16.11	2.750	7.86	3.75	5.59
0.767	20.64	1.767	12.39	2.767	7.09	3.77	5.25
0.783	20.64	1.783	12.39	2.783	7.09	3.78	5.25
0.800	20.64	1.800	12.39	2.800	7.09	3.80	5.25
0.817	20.64	1.817	12.39	2.817	7.09	3.82	5.25
0.833	20.64	1.833	12.39	2.833	7.09	3.83	5.25
0.850	20.64	1.850	12.39	2.850	7.09	3.85	5.25
0.867	20.64	1.867	12.39	2.867	7.09	3.87	5.25
0.883	20.64	1.883	12.39	2.883	7.09	3.88	5.25
0.900	20.64	1.900	12.39	2.900	7.09	3.90	5.25
0.917	20.64	1.917	12.39	2.917	7.09	3.92	5.25
0.933	20.64	1.933	12.39	2.933	7.09	3.93	5.25
0.950	20.64	1.950	12.39	2.950	7.09	3.95	5.25
0.967	20.64	1.967	12.39	2.967	7.09	3.97	5.25
0.983	20.64	1.983	12.39	2.983	7.09	3.98	5.25
1.000	20.64	2.000	12.39	3.000	7.09	4.00	5.25

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.520 (i)
 TIME TO PEAK (hrs)= 2.117
 RUNOFF VOLUME (mm)= 13.510
 TOTAL RAINFALL (mm)= 67.058
 RUNOFF COEFFICIENT = 0.201

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB	Area (ha)=	15.86	Curve Number (CN)=	62.0
NASHYD (0007)	Ia (mm)=	4.60	# of Linear Res.(N)=	3.00
ID= 1 DT= 1.0 min	U.H. Tp(hrs)=	0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.78	1.017	110.07	2.017	10.26	3.02	6.49
0.033	6.78	1.033	110.07	2.033	10.26	3.03	6.49
0.050	6.78	1.050	110.07	2.050	10.26	3.05	6.49
0.067	6.78	1.067	110.07	2.067	10.26	3.07	6.49
0.083	6.78	1.083	110.07	2.083	10.26	3.08	6.49
0.100	6.78	1.100	110.07	2.100	10.26	3.10	6.49
0.117	6.78	1.117	110.07	2.117	10.26	3.12	6.49
0.133	6.78	1.133	110.07	2.133	10.26	3.13	6.49
0.150	6.78	1.150	110.07	2.150	10.26	3.15	6.49
0.167	6.78	1.167	110.07	2.167	10.26	3.17	6.49
0.183	6.78	1.183	110.07	2.183	10.26	3.18	6.49
0.200	6.78	1.200	110.07	2.200	10.26	3.20	6.49
0.217	6.78	1.217	110.07	2.217	10.26	3.22	6.49
0.233	6.78	1.233	110.07	2.233	10.26	3.23	6.49
0.250	6.78	1.250	110.07	2.250	10.26	3.25	6.49
0.267	8.35	1.267	25.19	2.267	8.86	3.27	6.00
0.283	8.35	1.283	25.19	2.283	8.86	3.28	6.00
0.300	8.35	1.300	25.19	2.300	8.86	3.30	6.00
0.317	8.35	1.317	25.19	2.317	8.86	3.32	6.00
0.333	8.35	1.333	25.19	2.333	8.86	3.33	6.00
0.350	8.35	1.350	25.19	2.350	8.86	3.35	6.00
0.367	8.35	1.367	25.19	2.367	8.86	3.37	6.00
0.383	8.35	1.383	25.19	2.383	8.86	3.38	6.00
0.400	8.35	1.400	25.19	2.400	8.86	3.40	6.00
0.417	8.35	1.417	25.19	2.417	8.86	3.42	6.00
0.433	8.35	1.433	25.19	2.433	8.86	3.43	6.00
0.450	8.35	1.450	25.19	2.450	8.86	3.45	6.00
0.467	8.35	1.467	25.19	2.467	8.86	3.47	6.00
0.483	8.35	1.483	25.19	2.483	8.86	3.48	6.00
0.500	8.35	1.500	25.19	2.500	8.86	3.50	6.00
0.517	11.31	1.517	16.11	2.517	7.86	3.52	5.59
0.533	11.31	1.533	16.11	2.533	7.86	3.53	5.59
0.550	11.31	1.550	16.11	2.550	7.86	3.55	5.59
0.567	11.31	1.567	16.11	2.567	7.86	3.57	5.59
0.583	11.31	1.583	16.11	2.583	7.86	3.58	5.59
0.600	11.31	1.600	16.11	2.600	7.86	3.60	5.59
0.617	11.31	1.617	16.11	2.617	7.86	3.62	5.59
0.633	11.31	1.633	16.11	2.633	7.86	3.63	5.59
0.650	11.31	1.650	16.11	2.650	7.86	3.65	5.59
0.667	11.31	1.667	16.11	2.667	7.86	3.67	5.59
0.683	11.31	1.683	16.11	2.683	7.86	3.68	5.59
0.700	11.31	1.700	16.11	2.700	7.86	3.70	5.59
0.717	11.31	1.717	16.11	2.717	7.86	3.72	5.59
0.733	11.31	1.733	16.11	2.733	7.86	3.73	5.59
0.750	11.31	1.750	16.11	2.750	7.86	3.75	5.59
0.767	20.64	1.767	12.39	2.767	7.09	3.77	5.25
0.783	20.64	1.783	12.39	2.783	7.09	3.78	5.25
0.800	20.64	1.800	12.39	2.800	7.09	3.80	5.25
0.817	20.64	1.817	12.39	2.817	7.09	3.82	5.25
0.833	20.64	1.833	12.39	2.833	7.09	3.83	5.25
0.850	20.64	1.850	12.39	2.850	7.09	3.85	5.25
0.867	20.64	1.867	12.39	2.867	7.09	3.87	5.25
0.883	20.64	1.883	12.39	2.883	7.09	3.88	5.25
0.900	20.64	1.900	12.39	2.900	7.09	3.90	5.25
0.917	20.64	1.917	12.39	2.917	7.09	3.92	5.25
0.933	20.64	1.933	12.39	2.933	7.09	3.93	5.25
0.950	20.64	1.950	12.39	2.950	7.09	3.95	5.25
0.967	20.64	1.967	12.39	2.967	7.09	3.97	5.25
0.983	20.64	1.983	12.39	2.983	7.09	3.98	5.25
1.000	20.64	2.000	12.39	3.000	7.09	4.00	5.25

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.468 (i)
 TIME TO PEAK (hrs)= 1.683
 RUNOFF VOLUME (mm)= 17.884
 TOTAL RAINFALL (mm)= 67.058
 RUNOFF COEFFICIENT = 0.267

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)	AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0004):	33.05	0.520	2.12	13.51


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+ ID2= 2 ( 0007):    15.86    0.468    1.68    17.88
=====
ID = 3 ( 0006):    48.92    0.922    1.88    14.93

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NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

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** SIMULATION:2.1 SCS II 6hr 2yr **
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| CALIB                                     |
| NASHYD ( 0004) | Area (ha)= 33.05 | Curve Number (CN)= 58.0 |
| ID= 1 DT= 1.0 min | Ia (mm)= 10.00 | # of Linear Res.(N)= 3.00 |
|-----| U.H. Tp(hrs)= 0.64 |

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NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

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----- TRANSFORMED HYETOGRAPH -----

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TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.72	1.517	2.90	3.017	23.18	4.52	2.53
0.033	0.72	1.533	2.90	3.033	23.17	4.53	2.53
0.050	0.72	1.550	2.90	3.050	23.17	4.55	2.53
0.067	0.72	1.567	2.90	3.067	23.17	4.57	2.53
0.083	0.72	1.583	2.90	3.083	23.17	4.58	2.53
0.100	0.72	1.600	2.90	3.100	23.17	4.60	2.53
0.117	0.72	1.617	2.90	3.117	23.17	4.62	2.53
0.133	0.72	1.633	2.90	3.133	23.17	4.63	2.53
0.150	0.72	1.650	2.90	3.150	23.17	4.65	2.53
0.167	0.72	1.667	2.90	3.167	23.17	4.67	2.53
0.183	0.72	1.683	2.90	3.183	23.17	4.68	2.53
0.200	0.72	1.700	2.90	3.200	23.17	4.70	2.53
0.217	0.72	1.717	2.90	3.217	23.17	4.72	2.53
0.233	0.72	1.733	2.90	3.233	23.17	4.73	2.53
0.250	0.72	1.750	2.90	3.250	23.17	4.75	2.53
0.267	1.45	1.767	2.90	3.267	9.42	4.77	2.17
0.283	1.45	1.783	2.90	3.283	9.41	4.78	2.17
0.300	1.45	1.800	2.90	3.300	9.41	4.80	2.17
0.317	1.45	1.817	2.90	3.317	9.41	4.82	2.17
0.333	1.45	1.833	2.90	3.333	9.41	4.83	2.17
0.350	1.45	1.850	2.90	3.350	9.41	4.85	2.17
0.367	1.45	1.867	2.90	3.367	9.41	4.87	2.17
0.383	1.45	1.883	2.90	3.383	9.41	4.88	2.17
0.400	1.45	1.900	2.90	3.400	9.41	4.90	2.17
0.417	1.45	1.917	2.90	3.417	9.41	4.92	2.17
0.433	1.45	1.933	2.90	3.433	9.41	4.93	2.17
0.450	1.45	1.950	2.90	3.450	9.41	4.95	2.17
0.467	1.45	1.967	2.90	3.467	9.41	4.97	2.17
0.483	1.45	1.983	2.90	3.483	9.41	4.98	2.17
0.500	1.45	2.000	2.90	3.500	9.41	5.00	2.17
0.517	1.45	2.017	3.98	3.517	6.88	5.02	1.81
0.533	1.45	2.033	3.98	3.533	6.88	5.03	1.81
0.550	1.45	2.050	3.98	3.550	6.88	5.05	1.81
0.567	1.45	2.067	3.98	3.567	6.88	5.07	1.81
0.583	1.45	2.083	3.98	3.583	6.88	5.08	1.81
0.600	1.45	2.100	3.98	3.600	6.88	5.10	1.81
0.617	1.45	2.117	3.98	3.617	6.88	5.12	1.81
0.633	1.45	2.133	3.98	3.633	6.88	5.13	1.81
0.650	1.45	2.150	3.98	3.650	6.88	5.15	1.81
0.667	1.45	2.167	3.98	3.667	6.88	5.17	1.81
0.683	1.45	2.183	3.98	3.683	6.88	5.18	1.81
0.700	1.45	2.200	3.98	3.700	6.88	5.20	1.81
0.717	1.45	2.217	3.98	3.717	6.88	5.22	1.81
0.733	1.45	2.233	3.98	3.733	6.88	5.23	1.81
0.750	1.45	2.250	3.98	3.750	6.88	5.25	1.81
0.767	1.45	2.267	5.07	3.767	4.35	5.27	1.45
0.783	1.45	2.283	5.07	3.783	4.35	5.28	1.45
0.800	1.45	2.300	5.07	3.800	4.35	5.30	1.45
0.817	1.45	2.317	5.07	3.817	4.35	5.32	1.45
0.833	1.45	2.333	5.07	3.833	4.35	5.33	1.45
0.850	1.45	2.350	5.07	3.850	4.35	5.35	1.45
0.867	1.45	2.367	5.07	3.867	4.35	5.37	1.45
0.883	1.45	2.383	5.07	3.883	4.35	5.38	1.45
0.900	1.45	2.400	5.07	3.900	4.35	5.40	1.45
0.917	1.45	2.417	5.07	3.917	4.35	5.42	1.45
0.933	1.45	2.433	5.07	3.933	4.35	5.43	1.45
0.950	1.45	2.450	5.07	3.950	4.35	5.45	1.45
0.967	1.45	2.467	5.07	3.967	4.35	5.47	1.45
0.983	1.45	2.483	5.07	3.983	4.35	5.48	1.45
1.000	1.45	2.500	5.07	4.000	4.35	5.50	1.45
1.017	2.17	2.517	21.00	4.017	3.62	5.52	1.45
1.033	2.17	2.533	21.00	4.033	3.62	5.53	1.45
1.050	2.17	2.550	21.00	4.050	3.62	5.55	1.45

1.067	2.17	2.567	21.00	4.067	3.62	5.57	1.45
1.083	2.17	2.583	21.00	4.083	3.62	5.58	1.45
1.100	2.17	2.600	21.00	4.100	3.62	5.60	1.45
1.117	2.17	2.617	21.00	4.117	3.62	5.62	1.45
1.133	2.17	2.633	21.00	4.133	3.62	5.63	1.45
1.150	2.17	2.650	21.00	4.150	3.62	5.65	1.45
1.167	2.17	2.667	21.00	4.167	3.62	5.67	1.45
1.183	2.17	2.683	21.00	4.183	3.62	5.68	1.45
1.200	2.17	2.700	21.00	4.200	3.62	5.70	1.45
1.217	2.17	2.717	21.00	4.217	3.62	5.72	1.45
1.233	2.17	2.733	21.00	4.233	3.62	5.73	1.45
1.250	2.17	2.750	21.00	4.250	3.62	5.75	1.45
1.267	2.90	2.767	36.93	4.267	2.90	5.77	1.45
1.283	2.90	2.783	36.93	4.283	2.90	5.78	1.45
1.300	2.90	2.800	36.93	4.300	2.90	5.80	1.45
1.317	2.90	2.817	36.93	4.317	2.90	5.82	1.45
1.333	2.90	2.833	36.93	4.333	2.90	5.83	1.45
1.350	2.90	2.850	36.93	4.350	2.90	5.85	1.45
1.367	2.90	2.867	36.93	4.367	2.90	5.87	1.45
1.383	2.90	2.883	36.93	4.383	2.90	5.88	1.45
1.400	2.90	2.900	36.93	4.400	2.90	5.90	1.45
1.417	2.90	2.917	36.93	4.417	2.90	5.92	1.45
1.433	2.90	2.933	36.93	4.433	2.90	5.93	1.45
1.450	2.90	2.950	36.93	4.450	2.90	5.95	1.45
1.467	2.90	2.967	36.93	4.467	2.90	5.97	1.45
1.483	2.90	2.983	36.93	4.483	2.90	5.98	1.45
1.500	2.90	3.000	36.93	4.500	2.90	6.00	1.45

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.139 (i)
TIME TO PEAK (hrs)= 3.983
RUNOFF VOLUME (mm)= 3.227
TOTAL RAINFALL (mm)= 36.029
RUNOFF COEFFICIENT = 0.090

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.72	1.517	2.90	3.017	23.18	4.52	2.53
0.033	0.72	1.533	2.90	3.033	23.17	4.53	2.53
0.050	0.72	1.550	2.90	3.050	23.17	4.55	2.53
0.067	0.72	1.567	2.90	3.067	23.17	4.57	2.53
0.083	0.72	1.583	2.90	3.083	23.17	4.58	2.53
0.100	0.72	1.600	2.90	3.100	23.17	4.60	2.53
0.117	0.72	1.617	2.90	3.117	23.17	4.62	2.53
0.133	0.72	1.633	2.90	3.133	23.17	4.63	2.53
0.150	0.72	1.650	2.90	3.150	23.17	4.65	2.53
0.167	0.72	1.667	2.90	3.167	23.17	4.67	2.53
0.183	0.72	1.683	2.90	3.183	23.17	4.68	2.53
0.200	0.72	1.700	2.90	3.200	23.17	4.70	2.53
0.217	0.72	1.717	2.90	3.217	23.17	4.72	2.53
0.233	0.72	1.733	2.90	3.233	23.17	4.73	2.53
0.250	0.72	1.750	2.90	3.250	23.17	4.75	2.53
0.267	1.45	1.767	2.90	3.267	9.42	4.77	2.17
0.283	1.45	1.783	2.90	3.283	9.41	4.78	2.17
0.300	1.45	1.800	2.90	3.300	9.41	4.80	2.17
0.317	1.45	1.817	2.90	3.317	9.41	4.82	2.17
0.333	1.45	1.833	2.90	3.333	9.41	4.83	2.17
0.350	1.45	1.850	2.90	3.350	9.41	4.85	2.17
0.367	1.45	1.867	2.90	3.367	9.41	4.87	2.17
0.383	1.45	1.883	2.90	3.383	9.41	4.88	2.17
0.400	1.45	1.900	2.90	3.400	9.41	4.90	2.17
0.417	1.45	1.917	2.90	3.417	9.41	4.92	2.17
0.433	1.45	1.933	2.90	3.433	9.41	4.93	2.17
0.450	1.45	1.950	2.90	3.450	9.41	4.95	2.17
0.467	1.45	1.967	2.90	3.467	9.41	4.97	2.17
0.483	1.45	1.983	2.90	3.483	9.41	4.98	2.17
0.500	1.45	2.000	2.90	3.500	9.41	5.00	2.17
0.517	1.45	2.017	3.98	3.517	6.88	5.02	1.81
0.533	1.45	2.033	3.98	3.533	6.88	5.03	1.81
0.550	1.45	2.050	3.98	3.550	6.88	5.05	1.81

0.567	1.45	2.067	3.98	3.567	6.88	5.07	1.81
0.583	1.45	2.083	3.98	3.583	6.88	5.08	1.81
0.600	1.45	2.100	3.98	3.600	6.88	5.10	1.81
0.617	1.45	2.117	3.98	3.617	6.88	5.12	1.81
0.633	1.45	2.133	3.98	3.633	6.88	5.13	1.81
0.650	1.45	2.150	3.98	3.650	6.88	5.15	1.81
0.667	1.45	2.167	3.98	3.667	6.88	5.17	1.81
0.683	1.45	2.183	3.98	3.683	6.88	5.18	1.81
0.700	1.45	2.200	3.98	3.700	6.88	5.20	1.81
0.717	1.45	2.217	3.98	3.717	6.88	5.22	1.81
0.733	1.45	2.233	3.98	3.733	6.88	5.23	1.81
0.750	1.45	2.250	3.98	3.750	6.88	5.25	1.81
0.767	1.45	2.267	5.07	3.767	4.35	5.27	1.45
0.783	1.45	2.283	5.07	3.783	4.35	5.28	1.45
0.800	1.45	2.300	5.07	3.800	4.35	5.30	1.45
0.817	1.45	2.317	5.07	3.817	4.35	5.32	1.45
0.833	1.45	2.333	5.07	3.833	4.35	5.33	1.45
0.850	1.45	2.350	5.07	3.850	4.35	5.35	1.45
0.867	1.45	2.367	5.07	3.867	4.35	5.37	1.45
0.883	1.45	2.383	5.07	3.883	4.35	5.38	1.45
0.900	1.45	2.400	5.07	3.900	4.35	5.40	1.45
0.917	1.45	2.417	5.07	3.917	4.35	5.42	1.45
0.933	1.45	2.433	5.07	3.933	4.35	5.43	1.45
0.950	1.45	2.450	5.07	3.950	4.35	5.45	1.45
0.967	1.45	2.467	5.07	3.967	4.35	5.47	1.45
0.983	1.45	2.483	5.07	3.983	4.35	5.48	1.45
1.000	1.45	2.500	5.07	4.000	4.35	5.50	1.45
1.017	2.17	2.517	21.00	4.017	3.62	5.52	1.45
1.033	2.17	2.533	21.00	4.033	3.62	5.53	1.45
1.050	2.17	2.550	21.00	4.050	3.62	5.55	1.45
1.067	2.17	2.567	21.00	4.067	3.62	5.57	1.45
1.083	2.17	2.583	21.00	4.083	3.62	5.58	1.45
1.100	2.17	2.600	21.00	4.100	3.62	5.60	1.45
1.117	2.17	2.617	21.00	4.117	3.62	5.62	1.45
1.133	2.17	2.633	21.00	4.133	3.62	5.63	1.45
1.150	2.17	2.650	21.00	4.150	3.62	5.65	1.45
1.167	2.17	2.667	21.00	4.167	3.62	5.67	1.45
1.183	2.17	2.683	21.00	4.183	3.62	5.68	1.45
1.200	2.17	2.700	21.00	4.200	3.62	5.70	1.45
1.217	2.17	2.717	21.00	4.217	3.62	5.72	1.45
1.233	2.17	2.733	21.00	4.233	3.62	5.73	1.45
1.250	2.17	2.750	21.00	4.250	3.62	5.75	1.45
1.267	2.90	2.767	36.93	4.267	2.90	5.77	1.45
1.283	2.90	2.783	36.93	4.283	2.90	5.78	1.45
1.300	2.90	2.800	36.93	4.300	2.90	5.80	1.45
1.317	2.90	2.817	36.93	4.317	2.90	5.82	1.45
1.333	2.90	2.833	36.93	4.333	2.90	5.83	1.45
1.350	2.90	2.850	36.93	4.350	2.90	5.85	1.45
1.367	2.90	2.867	36.93	4.367	2.90	5.87	1.45
1.383	2.90	2.883	36.93	4.383	2.90	5.88	1.45
1.400	2.90	2.900	36.93	4.400	2.90	5.90	1.45
1.417	2.90	2.917	36.93	4.417	2.90	5.92	1.45
1.433	2.90	2.933	36.93	4.433	2.90	5.93	1.45
1.450	2.90	2.950	36.93	4.450	2.90	5.95	1.45
1.467	2.90	2.967	36.93	4.467	2.90	5.97	1.45
1.483	2.90	2.983	36.93	4.483	2.90	5.98	1.45
1.500	2.90	3.000	36.93	4.500	2.90	6.00	1.45

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.149 (i)
TIME TO PEAK (hrs)= 3.533
RUNOFF VOLUME (mm)= 5.279
TOTAL RAINFALL (mm)= 36.029
RUNOFF COEFFICIENT = 0.147

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)				
1 + 2 = 3				

ID1= 1 (0004):	33.05	0.139	3.98	3.23
+ ID2= 2 (0007):	15.86	0.149	3.53	5.28
=====				
ID = 3 (0006):	48.92	0.267	3.72	3.89

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:2.2 SCS II 6hr 5yr **

CALIB
NASHYD (0004)
ID= 1 DT= 1.0 min

Area (ha)= 33.05 Curve Number (CN)= 58.0
Ia (mm)= 10.00 # of Linear Res.(N)= 3.00
U.H. Tp(hrs)= 0.64

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.94	1.517	3.77	3.017	30.14	4.52	3.30
0.033	0.94	1.533	3.77	3.033	30.14	4.53	3.30
0.050	0.94	1.550	3.77	3.050	30.14	4.55	3.30
0.067	0.94	1.567	3.77	3.067	30.14	4.57	3.30
0.083	0.94	1.583	3.77	3.083	30.14	4.58	3.30
0.100	0.94	1.600	3.77	3.100	30.14	4.60	3.30
0.117	0.94	1.617	3.77	3.117	30.14	4.62	3.30
0.133	0.94	1.633	3.77	3.133	30.14	4.63	3.30
0.150	0.94	1.650	3.77	3.150	30.14	4.65	3.30
0.167	0.94	1.667	3.77	3.167	30.14	4.67	3.30
0.183	0.94	1.683	3.77	3.183	30.14	4.68	3.30
0.200	0.94	1.700	3.77	3.200	30.14	4.70	3.30
0.217	0.94	1.717	3.77	3.217	30.14	4.72	3.30
0.233	0.94	1.733	3.77	3.233	30.14	4.73	3.30
0.250	0.94	1.750	3.77	3.250	30.14	4.75	3.30
0.267	1.88	1.767	3.77	3.267	12.25	4.77	2.83
0.283	1.88	1.783	3.77	3.283	12.24	4.78	2.83
0.300	1.88	1.800	3.77	3.300	12.24	4.80	2.83
0.317	1.88	1.817	3.77	3.317	12.24	4.82	2.83
0.333	1.88	1.833	3.77	3.333	12.24	4.83	2.83
0.350	1.88	1.850	3.77	3.350	12.24	4.85	2.83
0.367	1.88	1.867	3.77	3.367	12.24	4.87	2.83
0.383	1.88	1.883	3.77	3.383	12.24	4.88	2.83
0.400	1.88	1.900	3.77	3.400	12.24	4.90	2.83
0.417	1.88	1.917	3.77	3.417	12.24	4.92	2.83
0.433	1.88	1.933	3.77	3.433	12.24	4.93	2.83
0.450	1.88	1.950	3.77	3.450	12.24	4.95	2.83
0.467	1.88	1.967	3.77	3.467	12.24	4.97	2.83
0.483	1.88	1.983	3.77	3.483	12.24	4.98	2.83
0.500	1.88	2.000	3.77	3.500	12.24	5.00	2.83
0.517	1.88	2.017	5.18	3.517	8.95	5.02	2.35
0.533	1.88	2.033	5.18	3.533	8.95	5.03	2.35
0.550	1.88	2.050	5.18	3.550	8.95	5.05	2.35
0.567	1.88	2.067	5.18	3.567	8.95	5.07	2.35
0.583	1.88	2.083	5.18	3.583	8.95	5.08	2.35
0.600	1.88	2.100	5.18	3.600	8.95	5.10	2.35
0.617	1.88	2.117	5.18	3.617	8.95	5.12	2.35
0.633	1.88	2.133	5.18	3.633	8.95	5.13	2.35
0.650	1.88	2.150	5.18	3.650	8.95	5.15	2.35
0.667	1.88	2.167	5.18	3.667	8.95	5.17	2.35
0.683	1.88	2.183	5.18	3.683	8.95	5.18	2.35
0.700	1.88	2.200	5.18	3.700	8.95	5.20	2.35
0.717	1.88	2.217	5.18	3.717	8.95	5.22	2.35
0.733	1.88	2.233	5.18	3.733	8.95	5.23	2.35
0.750	1.88	2.250	5.18	3.750	8.95	5.25	2.35
0.767	1.88	2.267	6.59	3.767	5.65	5.27	1.88
0.783	1.88	2.283	6.59	3.783	5.65	5.28	1.88
0.800	1.88	2.300	6.59	3.800	5.65	5.30	1.88
0.817	1.88	2.317	6.59	3.817	5.65	5.32	1.88
0.833	1.88	2.333	6.59	3.833	5.65	5.33	1.88
0.850	1.88	2.350	6.59	3.850	5.65	5.35	1.88
0.867	1.88	2.367	6.59	3.867	5.65	5.37	1.88
0.883	1.88	2.383	6.59	3.883	5.65	5.38	1.88
0.900	1.88	2.400	6.59	3.900	5.65	5.40	1.88
0.917	1.88	2.417	6.59	3.917	5.65	5.42	1.88
0.933	1.88	2.433	6.59	3.933	5.65	5.43	1.88
0.950	1.88	2.450	6.59	3.950	5.65	5.45	1.88
0.967	1.88	2.467	6.59	3.967	5.65	5.47	1.88
0.983	1.88	2.483	6.59	3.983	5.65	5.48	1.88
1.000	1.88	2.500	6.59	4.000	5.65	5.50	1.88
1.017	2.83	2.517	27.31	4.017	4.71	5.52	1.88
1.033	2.83	2.533	27.31	4.033	4.71	5.53	1.88
1.050	2.83	2.550	27.31	4.050	4.71	5.55	1.88
1.067	2.83	2.567	27.31	4.067	4.71	5.57	1.88
1.083	2.83	2.583	27.31	4.083	4.71	5.58	1.88
1.100	2.83	2.600	27.31	4.100	4.71	5.60	1.88
1.117	2.83	2.617	27.31	4.117	4.71	5.62	1.88
1.133	2.83	2.633	27.31	4.133	4.71	5.63	1.88
1.150	2.83	2.650	27.31	4.150	4.71	5.65	1.88
1.167	2.83	2.667	27.31	4.167	4.71	5.67	1.88
1.183	2.83	2.683	27.31	4.183	4.71	5.68	1.88
1.200	2.83	2.700	27.31	4.200	4.71	5.70	1.88

1.217	2.83	2.717	27.31	4.217	4.71	5.72	1.88
1.233	2.83	2.733	27.31	4.233	4.71	5.73	1.88
1.250	2.83	2.750	27.31	4.250	4.71	5.75	1.88
1.267	3.77	2.767	48.03	4.267	3.77	5.77	1.88
1.283	3.77	2.783	48.03	4.283	3.77	5.78	1.88
1.300	3.77	2.800	48.03	4.300	3.77	5.80	1.88
1.317	3.77	2.817	48.03	4.317	3.77	5.82	1.88
1.333	3.77	2.833	48.03	4.333	3.77	5.83	1.88
1.350	3.77	2.850	48.03	4.350	3.77	5.85	1.88
1.367	3.77	2.867	48.03	4.367	3.77	5.87	1.88
1.383	3.77	2.883	48.03	4.383	3.77	5.88	1.88
1.400	3.77	2.900	48.03	4.400	3.77	5.90	1.88
1.417	3.77	2.917	48.03	4.417	3.77	5.92	1.88
1.433	3.77	2.933	48.03	4.433	3.77	5.93	1.88
1.450	3.77	2.950	48.03	4.450	3.77	5.95	1.88
1.467	3.77	2.967	48.03	4.467	3.77	5.97	1.88
1.483	3.77	2.983	48.03	4.483	3.77	5.98	1.88
1.500	3.77	3.000	48.03	4.500	3.77	6.00	1.88

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.272 (i)
TIME TO PEAK (hrs)= 3.917
RUNOFF VOLUME (mm)= 6.152
TOTAL RAINFALL (mm)= 46.855
RUNOFF COEFFICIENT = 0.131

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.94	1.517	3.77	3.017	30.14	4.52	3.30
0.033	0.94	1.533	3.77	3.033	30.14	4.53	3.30
0.050	0.94	1.550	3.77	3.050	30.14	4.55	3.30
0.067	0.94	1.567	3.77	3.067	30.14	4.57	3.30
0.083	0.94	1.583	3.77	3.083	30.14	4.58	3.30
0.100	0.94	1.600	3.77	3.100	30.14	4.60	3.30
0.117	0.94	1.617	3.77	3.117	30.14	4.62	3.30
0.133	0.94	1.633	3.77	3.133	30.14	4.63	3.30
0.150	0.94	1.650	3.77	3.150	30.14	4.65	3.30
0.167	0.94	1.667	3.77	3.167	30.14	4.67	3.30
0.183	0.94	1.683	3.77	3.183	30.14	4.68	3.30
0.200	0.94	1.700	3.77	3.200	30.14	4.70	3.30
0.217	0.94	1.717	3.77	3.217	30.14	4.72	3.30
0.233	0.94	1.733	3.77	3.233	30.14	4.73	3.30
0.250	0.94	1.750	3.77	3.250	30.14	4.75	3.30
0.267	1.88	1.767	3.77	3.267	12.25	4.77	2.83
0.283	1.88	1.783	3.77	3.283	12.24	4.78	2.83
0.300	1.88	1.800	3.77	3.300	12.24	4.80	2.83
0.317	1.88	1.817	3.77	3.317	12.24	4.82	2.83
0.333	1.88	1.833	3.77	3.333	12.24	4.83	2.83
0.350	1.88	1.850	3.77	3.350	12.24	4.85	2.83
0.367	1.88	1.867	3.77	3.367	12.24	4.87	2.83
0.383	1.88	1.883	3.77	3.383	12.24	4.88	2.83
0.400	1.88	1.900	3.77	3.400	12.24	4.90	2.83
0.417	1.88	1.917	3.77	3.417	12.24	4.92	2.83
0.433	1.88	1.933	3.77	3.433	12.24	4.93	2.83
0.450	1.88	1.950	3.77	3.450	12.24	4.95	2.83
0.467	1.88	1.967	3.77	3.467	12.24	4.97	2.83
0.483	1.88	1.983	3.77	3.483	12.24	4.98	2.83
0.500	1.88	2.000	3.77	3.500	12.24	5.00	2.83
0.517	1.88	2.017	5.18	3.517	8.95	5.02	2.35
0.533	1.88	2.033	5.18	3.533	8.95	5.03	2.35
0.550	1.88	2.050	5.18	3.550	8.95	5.05	2.35
0.567	1.88	2.067	5.18	3.567	8.95	5.07	2.35
0.583	1.88	2.083	5.18	3.583	8.95	5.08	2.35
0.600	1.88	2.100	5.18	3.600	8.95	5.10	2.35
0.617	1.88	2.117	5.18	3.617	8.95	5.12	2.35
0.633	1.88	2.133	5.18	3.633	8.95	5.13	2.35
0.650	1.88	2.150	5.18	3.650	8.95	5.15	2.35
0.667	1.88	2.167	5.18	3.667	8.95	5.17	2.35
0.683	1.88	2.183	5.18	3.683	8.95	5.18	2.35
0.700	1.88	2.200	5.18	3.700	8.95	5.20	2.35

0.717	1.88	2.217	5.18	3.717	8.95	5.22	2.35
0.733	1.88	2.233	5.18	3.733	8.95	5.23	2.35
0.750	1.88	2.250	5.18	3.750	8.95	5.25	2.35
0.767	1.88	2.267	6.59	3.767	5.65	5.27	1.88
0.783	1.88	2.283	6.59	3.783	5.65	5.28	1.88
0.800	1.88	2.300	6.59	3.800	5.65	5.30	1.88
0.817	1.88	2.317	6.59	3.817	5.65	5.32	1.88
0.833	1.88	2.333	6.59	3.833	5.65	5.33	1.88
0.850	1.88	2.350	6.59	3.850	5.65	5.35	1.88
0.867	1.88	2.367	6.59	3.867	5.65	5.37	1.88
0.883	1.88	2.383	6.59	3.883	5.65	5.38	1.88
0.900	1.88	2.400	6.59	3.900	5.65	5.40	1.88
0.917	1.88	2.417	6.59	3.917	5.65	5.42	1.88
0.933	1.88	2.433	6.59	3.933	5.65	5.43	1.88
0.950	1.88	2.450	6.59	3.950	5.65	5.45	1.88
0.967	1.88	2.467	6.59	3.967	5.65	5.47	1.88
0.983	1.88	2.483	6.59	3.983	5.65	5.48	1.88
1.000	1.88	2.500	6.59	4.000	5.65	5.50	1.88
1.017	2.83	2.517	27.31	4.017	4.71	5.52	1.88
1.033	2.83	2.533	27.31	4.033	4.71	5.53	1.88
1.050	2.83	2.550	27.31	4.050	4.71	5.55	1.88
1.067	2.83	2.567	27.31	4.067	4.71	5.57	1.88
1.083	2.83	2.583	27.31	4.083	4.71	5.58	1.88
1.100	2.83	2.600	27.31	4.100	4.71	5.60	1.88
1.117	2.83	2.617	27.31	4.117	4.71	5.62	1.88
1.133	2.83	2.633	27.31	4.133	4.71	5.63	1.88
1.150	2.83	2.650	27.31	4.150	4.71	5.65	1.88
1.167	2.83	2.667	27.31	4.167	4.71	5.67	1.88
1.183	2.83	2.683	27.31	4.183	4.71	5.68	1.88
1.200	2.83	2.700	27.31	4.200	4.71	5.70	1.88
1.217	2.83	2.717	27.31	4.217	4.71	5.72	1.88
1.233	2.83	2.733	27.31	4.233	4.71	5.73	1.88
1.250	2.83	2.750	27.31	4.250	4.71	5.75	1.88
1.267	3.77	2.767	48.03	4.267	3.77	5.77	1.88
1.283	3.77	2.783	48.03	4.283	3.77	5.78	1.88
1.300	3.77	2.800	48.03	4.300	3.77	5.80	1.88
1.317	3.77	2.817	48.03	4.317	3.77	5.82	1.88
1.333	3.77	2.833	48.03	4.333	3.77	5.83	1.88
1.350	3.77	2.850	48.03	4.350	3.77	5.85	1.88
1.367	3.77	2.867	48.03	4.367	3.77	5.87	1.88
1.383	3.77	2.883	48.03	4.383	3.77	5.88	1.88
1.400	3.77	2.900	48.03	4.400	3.77	5.90	1.88
1.417	3.77	2.917	48.03	4.417	3.77	5.92	1.88
1.433	3.77	2.933	48.03	4.433	3.77	5.93	1.88
1.450	3.77	2.950	48.03	4.450	3.77	5.95	1.88
1.467	3.77	2.967	48.03	4.467	3.77	5.97	1.88
1.483	3.77	2.983	48.03	4.483	3.77	5.98	1.88
1.500	3.77	3.000	48.03	4.500	3.77	6.00	1.88

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.258 (i)
TIME TO PEAK (hrs)= 3.517
RUNOFF VOLUME (mm)= 9.020
TOTAL RAINFALL (mm)= 46.855
RUNOFF COEFFICIENT = 0.193

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)		AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3		(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0004):		33.05	0.272	3.92	6.15
+ ID2= 2 (0007):		15.86	0.258	3.52	9.02
ID = 3 (0006):		48.92	0.496	3.70	7.08

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:2.3 SCS II 6hr 10yr **

CALIB		Area	(ha)=	33.05	Curve Number (CN)=	58.0
NASHYD (0004)		Ia	(mm)=	10.00	# of Linear Res.(N)=	3.00
ID= 1 DT= 1.0 min		U.H. Tp	(hrs)=	0.64		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.08	1.517	4.33	3.017	34.65	4.52	3.79
0.033	1.08	1.533	4.33	3.033	34.64	4.53	3.79
0.050	1.08	1.550	4.33	3.050	34.64	4.55	3.79
0.067	1.08	1.567	4.33	3.067	34.64	4.57	3.79
0.083	1.08	1.583	4.33	3.083	34.64	4.58	3.79
0.100	1.08	1.600	4.33	3.100	34.64	4.60	3.79
0.117	1.08	1.617	4.33	3.117	34.64	4.62	3.79
0.133	1.08	1.633	4.33	3.133	34.64	4.63	3.79
0.150	1.08	1.650	4.33	3.150	34.64	4.65	3.79
0.167	1.08	1.667	4.33	3.167	34.64	4.67	3.79
0.183	1.08	1.683	4.33	3.183	34.64	4.68	3.79
0.200	1.08	1.700	4.33	3.200	34.64	4.70	3.79
0.217	1.08	1.717	4.33	3.217	34.64	4.72	3.79
0.233	1.08	1.733	4.33	3.233	34.64	4.73	3.79
0.250	1.08	1.750	4.33	3.250	34.64	4.75	3.79
0.267	2.17	1.767	4.33	3.267	14.08	4.77	3.25
0.283	2.17	1.783	4.33	3.283	14.07	4.78	3.25
0.300	2.17	1.800	4.33	3.300	14.07	4.80	3.25
0.317	2.17	1.817	4.33	3.317	14.07	4.82	3.25
0.333	2.17	1.833	4.33	3.333	14.07	4.83	3.25
0.350	2.17	1.850	4.33	3.350	14.07	4.85	3.25
0.367	2.17	1.867	4.33	3.367	14.07	4.87	3.25
0.383	2.17	1.883	4.33	3.383	14.07	4.88	3.25
0.400	2.17	1.900	4.33	3.400	14.07	4.90	3.25
0.417	2.17	1.917	4.33	3.417	14.07	4.92	3.25
0.433	2.17	1.933	4.33	3.433	14.07	4.93	3.25
0.450	2.17	1.950	4.33	3.450	14.07	4.95	3.25
0.467	2.17	1.967	4.33	3.467	14.07	4.97	3.25
0.483	2.17	1.983	4.33	3.483	14.07	4.98	3.25
0.500	2.17	2.000	4.33	3.500	14.07	5.00	3.25
0.517	2.17	2.017	5.95	3.517	10.29	5.02	2.71
0.533	2.17	2.033	5.95	3.533	10.28	5.03	2.71
0.550	2.17	2.050	5.95	3.550	10.28	5.05	2.71
0.567	2.17	2.067	5.95	3.567	10.28	5.07	2.71
0.583	2.17	2.083	5.95	3.583	10.28	5.08	2.71
0.600	2.17	2.100	5.95	3.600	10.28	5.10	2.71
0.617	2.17	2.117	5.95	3.617	10.28	5.12	2.71
0.633	2.17	2.133	5.95	3.633	10.28	5.13	2.71
0.650	2.17	2.150	5.95	3.650	10.28	5.15	2.71
0.667	2.17	2.167	5.95	3.667	10.28	5.17	2.71
0.683	2.17	2.183	5.95	3.683	10.28	5.18	2.71
0.700	2.17	2.200	5.95	3.700	10.28	5.20	2.71
0.717	2.17	2.217	5.95	3.717	10.28	5.22	2.71
0.733	2.17	2.233	5.95	3.733	10.28	5.23	2.71
0.750	2.17	2.250	5.95	3.750	10.28	5.25	2.71
0.767	2.17	2.267	7.58	3.767	6.50	5.27	2.17
0.783	2.17	2.283	7.58	3.783	6.50	5.28	2.17
0.800	2.17	2.300	7.58	3.800	6.50	5.30	2.17
0.817	2.17	2.317	7.58	3.817	6.50	5.32	2.17
0.833	2.17	2.333	7.58	3.833	6.50	5.33	2.17
0.850	2.17	2.350	7.58	3.850	6.50	5.35	2.17
0.867	2.17	2.367	7.58	3.867	6.50	5.37	2.17
0.883	2.17	2.383	7.58	3.883	6.50	5.38	2.17
0.900	2.17	2.400	7.58	3.900	6.50	5.40	2.17
0.917	2.17	2.417	7.58	3.917	6.50	5.42	2.17
0.933	2.17	2.433	7.58	3.933	6.50	5.43	2.17
0.950	2.17	2.450	7.58	3.950	6.50	5.45	2.17
0.967	2.17	2.467	7.58	3.967	6.50	5.47	2.17
0.983	2.17	2.483	7.58	3.983	6.50	5.48	2.17
1.000	2.17	2.500	7.58	4.000	6.50	5.50	2.17
1.017	3.25	2.517	31.39	4.017	5.41	5.52	2.17
1.033	3.25	2.533	31.40	4.033	5.41	5.53	2.17
1.050	3.25	2.550	31.40	4.050	5.41	5.55	2.17
1.067	3.25	2.567	31.40	4.067	5.41	5.57	2.17
1.083	3.25	2.583	31.40	4.083	5.41	5.58	2.17
1.100	3.25	2.600	31.40	4.100	5.41	5.60	2.17
1.117	3.25	2.617	31.40	4.117	5.41	5.62	2.17
1.133	3.25	2.633	31.40	4.133	5.41	5.63	2.17
1.150	3.25	2.650	31.40	4.150	5.41	5.65	2.17
1.167	3.25	2.667	31.40	4.167	5.41	5.67	2.17
1.183	3.25	2.683	31.40	4.183	5.41	5.68	2.17
1.200	3.25	2.700	31.40	4.200	5.41	5.70	2.17
1.217	3.25	2.717	31.40	4.217	5.41	5.72	2.17
1.233	3.25	2.733	31.40	4.233	5.41	5.73	2.17
1.250	3.25	2.750	31.40	4.250	5.41	5.75	2.17
1.267	4.33	2.767	55.21	4.267	4.33	5.77	2.17
1.283	4.33	2.783	55.21	4.283	4.33	5.78	2.17
1.300	4.33	2.800	55.21	4.300	4.33	5.80	2.17
1.317	4.33	2.817	55.21	4.317	4.33	5.82	2.17
1.333	4.33	2.833	55.21	4.333	4.33	5.83	2.17
1.350	4.33	2.850	55.21	4.350	4.33	5.85	2.17

1.367	4.33	2.867	55.21	4.367	4.33	5.87	2.17
1.383	4.33	2.883	55.21	4.383	4.33	5.88	2.17
1.400	4.33	2.900	55.21	4.400	4.33	5.90	2.17
1.417	4.33	2.917	55.21	4.417	4.33	5.92	2.17
1.433	4.33	2.933	55.21	4.433	4.33	5.93	2.17
1.450	4.33	2.950	55.21	4.450	4.33	5.95	2.17
1.467	4.33	2.967	55.21	4.467	4.33	5.97	2.17
1.483	4.33	2.983	55.21	4.483	4.33	5.98	2.17
1.500	4.33	3.000	55.21	4.500	4.33	6.00	2.16

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.378 (i)
 TIME TO PEAK (hrs)= 3.900
 RUNOFF VOLUME (mm)= 8.445
 TOTAL RAINFALL (mm)= 53.859
 RUNOFF COEFFICIENT = 0.157

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.08	1.517	4.33	3.017	34.65	4.52	3.79
0.033	1.08	1.533	4.33	3.033	34.64	4.53	3.79
0.050	1.08	1.550	4.33	3.050	34.64	4.55	3.79
0.067	1.08	1.567	4.33	3.067	34.64	4.57	3.79
0.083	1.08	1.583	4.33	3.083	34.64	4.58	3.79
0.100	1.08	1.600	4.33	3.100	34.64	4.60	3.79
0.117	1.08	1.617	4.33	3.117	34.64	4.62	3.79
0.133	1.08	1.633	4.33	3.133	34.64	4.63	3.79
0.150	1.08	1.650	4.33	3.150	34.64	4.65	3.79
0.167	1.08	1.667	4.33	3.167	34.64	4.67	3.79
0.183	1.08	1.683	4.33	3.183	34.64	4.68	3.79
0.200	1.08	1.700	4.33	3.200	34.64	4.70	3.79
0.217	1.08	1.717	4.33	3.217	34.64	4.72	3.79
0.233	1.08	1.733	4.33	3.233	34.64	4.73	3.79
0.250	1.08	1.750	4.33	3.250	34.64	4.75	3.79
0.267	2.17	1.767	4.33	3.267	14.08	4.77	3.25
0.283	2.17	1.783	4.33	3.283	14.07	4.78	3.25
0.300	2.17	1.800	4.33	3.300	14.07	4.80	3.25
0.317	2.17	1.817	4.33	3.317	14.07	4.82	3.25
0.333	2.17	1.833	4.33	3.333	14.07	4.83	3.25
0.350	2.17	1.850	4.33	3.350	14.07	4.85	3.25
0.367	2.17	1.867	4.33	3.367	14.07	4.87	3.25
0.383	2.17	1.883	4.33	3.383	14.07	4.88	3.25
0.400	2.17	1.900	4.33	3.400	14.07	4.90	3.25
0.417	2.17	1.917	4.33	3.417	14.07	4.92	3.25
0.433	2.17	1.933	4.33	3.433	14.07	4.93	3.25
0.450	2.17	1.950	4.33	3.450	14.07	4.95	3.25
0.467	2.17	1.967	4.33	3.467	14.07	4.97	3.25
0.483	2.17	1.983	4.33	3.483	14.07	4.98	3.25
0.500	2.17	2.000	4.33	3.500	14.07	5.00	3.25
0.517	2.17	2.017	5.95	3.517	10.29	5.02	2.71
0.533	2.17	2.033	5.95	3.533	10.28	5.03	2.71
0.550	2.17	2.050	5.95	3.550	10.28	5.05	2.71
0.567	2.17	2.067	5.95	3.567	10.28	5.07	2.71
0.583	2.17	2.083	5.95	3.583	10.28	5.08	2.71
0.600	2.17	2.100	5.95	3.600	10.28	5.10	2.71
0.617	2.17	2.117	5.95	3.617	10.28	5.12	2.71
0.633	2.17	2.133	5.95	3.633	10.28	5.13	2.71
0.650	2.17	2.150	5.95	3.650	10.28	5.15	2.71
0.667	2.17	2.167	5.95	3.667	10.28	5.17	2.71
0.683	2.17	2.183	5.95	3.683	10.28	5.18	2.71
0.700	2.17	2.200	5.95	3.700	10.28	5.20	2.71
0.717	2.17	2.217	5.95	3.717	10.28	5.22	2.71
0.733	2.17	2.233	5.95	3.733	10.28	5.23	2.71
0.750	2.17	2.250	5.95	3.750	10.28	5.25	2.71
0.767	2.17	2.267	7.58	3.767	6.50	5.27	2.17
0.783	2.17	2.283	7.58	3.783	6.50	5.28	2.17
0.800	2.17	2.300	7.58	3.800	6.50	5.30	2.17
0.817	2.17	2.317	7.58	3.817	6.50	5.32	2.17
0.833	2.17	2.333	7.58	3.833	6.50	5.33	2.17
0.850	2.17	2.350	7.58	3.850	6.50	5.35	2.17

0.867	2.17	2.367	7.58	3.867	6.50	5.37	2.17
0.883	2.17	2.383	7.58	3.883	6.50	5.38	2.17
0.900	2.17	2.400	7.58	3.900	6.50	5.40	2.17
0.917	2.17	2.417	7.58	3.917	6.50	5.42	2.17
0.933	2.17	2.433	7.58	3.933	6.50	5.43	2.17
0.950	2.17	2.450	7.58	3.950	6.50	5.45	2.17
0.967	2.17	2.467	7.58	3.967	6.50	5.47	2.17
0.983	2.17	2.483	7.58	3.983	6.50	5.48	2.17
1.000	2.17	2.500	7.58	4.000	6.50	5.50	2.17
1.017	3.25	2.517	31.39	4.017	5.41	5.52	2.17
1.033	3.25	2.533	31.40	4.033	5.41	5.53	2.17
1.050	3.25	2.550	31.40	4.050	5.41	5.55	2.17
1.067	3.25	2.567	31.40	4.067	5.41	5.57	2.17
1.083	3.25	2.583	31.40	4.083	5.41	5.58	2.17
1.100	3.25	2.600	31.40	4.100	5.41	5.60	2.17
1.117	3.25	2.617	31.40	4.117	5.41	5.62	2.17
1.133	3.25	2.633	31.40	4.133	5.41	5.63	2.17
1.150	3.25	2.650	31.40	4.150	5.41	5.65	2.17
1.167	3.25	2.667	31.40	4.167	5.41	5.67	2.17
1.183	3.25	2.683	31.40	4.183	5.41	5.68	2.17
1.200	3.25	2.700	31.40	4.200	5.41	5.70	2.17
1.217	3.25	2.717	31.40	4.217	5.41	5.72	2.17
1.233	3.25	2.733	31.40	4.233	5.41	5.73	2.17
1.250	3.25	2.750	31.40	4.250	5.41	5.75	2.17
1.267	4.33	2.767	55.21	4.267	4.33	5.77	2.17
1.283	4.33	2.783	55.21	4.283	4.33	5.78	2.17
1.300	4.33	2.800	55.21	4.300	4.33	5.80	2.17
1.317	4.33	2.817	55.21	4.317	4.33	5.82	2.17
1.333	4.33	2.833	55.21	4.333	4.33	5.83	2.17
1.350	4.33	2.850	55.21	4.350	4.33	5.85	2.17
1.367	4.33	2.867	55.21	4.367	4.33	5.87	2.17
1.383	4.33	2.883	55.21	4.383	4.33	5.88	2.17
1.400	4.33	2.900	55.21	4.400	4.33	5.90	2.17
1.417	4.33	2.917	55.21	4.417	4.33	5.92	2.17
1.433	4.33	2.933	55.21	4.433	4.33	5.93	2.17
1.450	4.33	2.950	55.21	4.450	4.33	5.95	2.17
1.467	4.33	2.967	55.21	4.467	4.33	5.97	2.17
1.483	4.33	2.983	55.21	4.483	4.33	5.98	2.17
1.500	4.33	3.000	55.21	4.500	4.33	6.00	2.16

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.340 (i)
TIME TO PEAK (hrs)= 3.517
RUNOFF VOLUME (mm)= 11.840
TOTAL RAINFALL (mm)= 53.859
RUNOFF COEFFICIENT = 0.220

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)				
1 + 2 = 3				

		AREA	QPEAK	TPEAK
		(ha)	(cms)	(hrs)
				R.V.
				(mm)
ID1= 1 (0004):		33.05	0.378	3.90
+ ID2= 2 (0007):		15.86	0.340	3.52
				11.84
=====				
ID = 3 (0006):		48.92	0.676	3.68
				9.55

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:2.4 SCS II 6hr 25yr **

CALIB				
NASHYD (0004)				
ID= 1 DT= 1.0 min				
		Area (ha)=	33.05	Curve Number (CN)= 58.0
		Ia (mm)=	10.00	# of Linear Res.(N)= 3.00
		U.H. Tp(hrs)=	0.64	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.26	1.517	5.06	3.017	40.46	4.52	4.42
0.033	1.26	1.533	5.06	3.033	40.45	4.53	4.42
0.050	1.26	1.550	5.06	3.050	40.45	4.55	4.42
0.067	1.26	1.567	5.06	3.067	40.45	4.57	4.42
0.083	1.26	1.583	5.06	3.083	40.45	4.58	4.42
0.100	1.26	1.600	5.06	3.100	40.45	4.60	4.42

0.117	1.26	1.617	5.06	3.117	40.45	4.62	4.42
0.133	1.26	1.633	5.06	3.133	40.45	4.63	4.42
0.150	1.26	1.650	5.06	3.150	40.45	4.65	4.42
0.167	1.26	1.667	5.06	3.167	40.45	4.67	4.42
0.183	1.26	1.683	5.06	3.183	40.45	4.68	4.42
0.200	1.26	1.700	5.06	3.200	40.45	4.70	4.42
0.217	1.26	1.717	5.06	3.217	40.45	4.72	4.42
0.233	1.26	1.733	5.06	3.233	40.45	4.73	4.42
0.250	1.26	1.750	5.06	3.250	40.45	4.75	4.42
0.267	2.53	1.767	5.06	3.267	16.44	4.77	3.79
0.283	2.53	1.783	5.06	3.283	16.43	4.78	3.79
0.300	2.53	1.800	5.06	3.300	16.43	4.80	3.79
0.317	2.53	1.817	5.06	3.317	16.43	4.82	3.79
0.333	2.53	1.833	5.06	3.333	16.43	4.83	3.79
0.350	2.53	1.850	5.06	3.350	16.43	4.85	3.79
0.367	2.53	1.867	5.06	3.367	16.43	4.87	3.79
0.383	2.53	1.883	5.06	3.383	16.43	4.88	3.79
0.400	2.53	1.900	5.06	3.400	16.43	4.90	3.79
0.417	2.53	1.917	5.06	3.417	16.43	4.92	3.79
0.433	2.53	1.933	5.06	3.433	16.43	4.93	3.79
0.450	2.53	1.950	5.06	3.450	16.43	4.95	3.79
0.467	2.53	1.967	5.06	3.467	16.43	4.97	3.79
0.483	2.53	1.983	5.06	3.483	16.43	4.98	3.79
0.500	2.53	2.000	5.06	3.500	16.43	5.00	3.79
0.517	2.53	2.017	6.95	3.517	12.01	5.02	3.16
0.533	2.53	2.033	6.95	3.533	12.01	5.03	3.16
0.550	2.53	2.050	6.95	3.550	12.01	5.05	3.16
0.567	2.53	2.067	6.95	3.567	12.01	5.07	3.16
0.583	2.53	2.083	6.95	3.583	12.01	5.08	3.16
0.600	2.53	2.100	6.95	3.600	12.01	5.10	3.16
0.617	2.53	2.117	6.95	3.617	12.01	5.12	3.16
0.633	2.53	2.133	6.95	3.633	12.01	5.13	3.16
0.650	2.53	2.150	6.95	3.650	12.01	5.15	3.16
0.667	2.53	2.167	6.95	3.667	12.01	5.17	3.16
0.683	2.53	2.183	6.95	3.683	12.01	5.18	3.16
0.700	2.53	2.200	6.95	3.700	12.01	5.20	3.16
0.717	2.53	2.217	6.95	3.717	12.01	5.22	3.16
0.733	2.53	2.233	6.95	3.733	12.01	5.23	3.16
0.750	2.53	2.250	6.95	3.750	12.01	5.25	3.16
0.767	2.53	2.267	8.85	3.767	7.59	5.27	2.53
0.783	2.53	2.283	8.85	3.783	7.59	5.28	2.53
0.800	2.53	2.300	8.85	3.800	7.59	5.30	2.53
0.817	2.53	2.317	8.85	3.817	7.59	5.32	2.53
0.833	2.53	2.333	8.85	3.833	7.59	5.33	2.53
0.850	2.53	2.350	8.85	3.850	7.59	5.35	2.53
0.867	2.53	2.367	8.85	3.867	7.59	5.37	2.53
0.883	2.53	2.383	8.85	3.883	7.59	5.38	2.53
0.900	2.53	2.400	8.85	3.900	7.59	5.40	2.53
0.917	2.53	2.417	8.85	3.917	7.59	5.42	2.53
0.933	2.53	2.433	8.85	3.933	7.59	5.43	2.53
0.950	2.53	2.450	8.85	3.950	7.59	5.45	2.53
0.967	2.53	2.467	8.85	3.967	7.59	5.47	2.53
0.983	2.53	2.483	8.85	3.983	7.59	5.48	2.53
1.000	2.53	2.500	8.85	4.000	7.59	5.50	2.53
1.017	3.79	2.517	36.66	4.017	6.32	5.52	2.53
1.033	3.79	2.533	36.66	4.033	6.32	5.53	2.53
1.050	3.79	2.550	36.66	4.050	6.32	5.55	2.53
1.067	3.79	2.567	36.66	4.067	6.32	5.57	2.53
1.083	3.79	2.583	36.66	4.083	6.32	5.58	2.53
1.100	3.79	2.600	36.66	4.100	6.32	5.60	2.53
1.117	3.79	2.617	36.66	4.117	6.32	5.62	2.53
1.133	3.79	2.633	36.66	4.133	6.32	5.63	2.53
1.150	3.79	2.650	36.66	4.150	6.32	5.65	2.53
1.167	3.79	2.667	36.66	4.167	6.32	5.67	2.53
1.183	3.79	2.683	36.66	4.183	6.32	5.68	2.53
1.200	3.79	2.700	36.66	4.200	6.32	5.70	2.53
1.217	3.79	2.717	36.66	4.217	6.32	5.72	2.53
1.233	3.79	2.733	36.66	4.233	6.32	5.73	2.53
1.250	3.79	2.750	36.66	4.250	6.32	5.75	2.53
1.267	5.06	2.767	64.47	4.267	5.06	5.77	2.53
1.283	5.06	2.783	64.47	4.283	5.06	5.78	2.53
1.300	5.06	2.800	64.47	4.300	5.06	5.80	2.53
1.317	5.06	2.817	64.47	4.317	5.06	5.82	2.53
1.333	5.06	2.833	64.47	4.333	5.06	5.83	2.53
1.350	5.06	2.850	64.47	4.350	5.06	5.85	2.53
1.367	5.06	2.867	64.47	4.367	5.06	5.87	2.53
1.383	5.06	2.883	64.47	4.383	5.06	5.88	2.53
1.400	5.06	2.900	64.47	4.400	5.06	5.90	2.53
1.417	5.06	2.917	64.47	4.417	5.06	5.92	2.53
1.433	5.06	2.933	64.47	4.433	5.06	5.93	2.53
1.450	5.06	2.950	64.47	4.450	5.06	5.95	2.53
1.467	5.06	2.967	64.47	4.467	5.06	5.97	2.53
1.483	5.06	2.983	64.47	4.483	5.06	5.98	2.53
1.500	5.06	3.000	64.47	4.500	5.06	6.00	2.52

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.535 (i)
TIME TO PEAK (hrs)= 3.883
RUNOFF VOLUME (mm)= 11.814
TOTAL RAINFALL (mm)= 62.894
RUNOFF COEFFICIENT = 0.188

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.26	1.517	5.06	3.017	40.46	4.52	4.42
0.033	1.26	1.533	5.06	3.033	40.45	4.53	4.42
0.050	1.26	1.550	5.06	3.050	40.45	4.55	4.42
0.067	1.26	1.567	5.06	3.067	40.45	4.57	4.42
0.083	1.26	1.583	5.06	3.083	40.45	4.58	4.42
0.100	1.26	1.600	5.06	3.100	40.45	4.60	4.42
0.117	1.26	1.617	5.06	3.117	40.45	4.62	4.42
0.133	1.26	1.633	5.06	3.133	40.45	4.63	4.42
0.150	1.26	1.650	5.06	3.150	40.45	4.65	4.42
0.167	1.26	1.667	5.06	3.167	40.45	4.67	4.42
0.183	1.26	1.683	5.06	3.183	40.45	4.68	4.42
0.200	1.26	1.700	5.06	3.200	40.45	4.70	4.42
0.217	1.26	1.717	5.06	3.217	40.45	4.72	4.42
0.233	1.26	1.733	5.06	3.233	40.45	4.73	4.42
0.250	1.26	1.750	5.06	3.250	40.45	4.75	4.42
0.267	2.53	1.767	5.06	3.267	16.44	4.77	3.79
0.283	2.53	1.783	5.06	3.283	16.43	4.78	3.79
0.300	2.53	1.800	5.06	3.300	16.43	4.80	3.79
0.317	2.53	1.817	5.06	3.317	16.43	4.82	3.79
0.333	2.53	1.833	5.06	3.333	16.43	4.83	3.79
0.350	2.53	1.850	5.06	3.350	16.43	4.85	3.79
0.367	2.53	1.867	5.06	3.367	16.43	4.87	3.79
0.383	2.53	1.883	5.06	3.383	16.43	4.88	3.79
0.400	2.53	1.900	5.06	3.400	16.43	4.90	3.79
0.417	2.53	1.917	5.06	3.417	16.43	4.92	3.79
0.433	2.53	1.933	5.06	3.433	16.43	4.93	3.79
0.450	2.53	1.950	5.06	3.450	16.43	4.95	3.79
0.467	2.53	1.967	5.06	3.467	16.43	4.97	3.79
0.483	2.53	1.983	5.06	3.483	16.43	4.98	3.79
0.500	2.53	2.000	5.06	3.500	16.43	5.00	3.79
0.517	2.53	2.017	6.95	3.517	12.01	5.02	3.16
0.533	2.53	2.033	6.95	3.533	12.01	5.03	3.16
0.550	2.53	2.050	6.95	3.550	12.01	5.05	3.16
0.567	2.53	2.067	6.95	3.567	12.01	5.07	3.16
0.583	2.53	2.083	6.95	3.583	12.01	5.08	3.16
0.600	2.53	2.100	6.95	3.600	12.01	5.10	3.16
0.617	2.53	2.117	6.95	3.617	12.01	5.12	3.16
0.633	2.53	2.133	6.95	3.633	12.01	5.13	3.16
0.650	2.53	2.150	6.95	3.650	12.01	5.15	3.16
0.667	2.53	2.167	6.95	3.667	12.01	5.17	3.16
0.683	2.53	2.183	6.95	3.683	12.01	5.18	3.16
0.700	2.53	2.200	6.95	3.700	12.01	5.20	3.16
0.717	2.53	2.217	6.95	3.717	12.01	5.22	3.16
0.733	2.53	2.233	6.95	3.733	12.01	5.23	3.16
0.750	2.53	2.250	6.95	3.750	12.01	5.25	3.16
0.767	2.53	2.267	8.85	3.767	7.59	5.27	2.53
0.783	2.53	2.283	8.85	3.783	7.59	5.28	2.53
0.800	2.53	2.300	8.85	3.800	7.59	5.30	2.53
0.817	2.53	2.317	8.85	3.817	7.59	5.32	2.53
0.833	2.53	2.333	8.85	3.833	7.59	5.33	2.53
0.850	2.53	2.350	8.85	3.850	7.59	5.35	2.53
0.867	2.53	2.367	8.85	3.867	7.59	5.37	2.53
0.883	2.53	2.383	8.85	3.883	7.59	5.38	2.53
0.900	2.53	2.400	8.85	3.900	7.59	5.40	2.53
0.917	2.53	2.417	8.85	3.917	7.59	5.42	2.53
0.933	2.53	2.433	8.85	3.933	7.59	5.43	2.53
0.950	2.53	2.450	8.85	3.950	7.59	5.45	2.53
0.967	2.53	2.467	8.85	3.967	7.59	5.47	2.53
0.983	2.53	2.483	8.85	3.983	7.59	5.48	2.53
1.000	2.53	2.500	8.85	4.000	7.59	5.50	2.53

1.017	3.79	2.517	36.66	4.017	6.32	5.52	2.53
1.033	3.79	2.533	36.66	4.033	6.32	5.53	2.53
1.050	3.79	2.550	36.66	4.050	6.32	5.55	2.53
1.067	3.79	2.567	36.66	4.067	6.32	5.57	2.53
1.083	3.79	2.583	36.66	4.083	6.32	5.58	2.53
1.100	3.79	2.600	36.66	4.100	6.32	5.60	2.53
1.117	3.79	2.617	36.66	4.117	6.32	5.62	2.53
1.133	3.79	2.633	36.66	4.133	6.32	5.63	2.53
1.150	3.79	2.650	36.66	4.150	6.32	5.65	2.53
1.167	3.79	2.667	36.66	4.167	6.32	5.67	2.53
1.183	3.79	2.683	36.66	4.183	6.32	5.68	2.53
1.200	3.79	2.700	36.66	4.200	6.32	5.70	2.53
1.217	3.79	2.717	36.66	4.217	6.32	5.72	2.53
1.233	3.79	2.733	36.66	4.233	6.32	5.73	2.53
1.250	3.79	2.750	36.66	4.250	6.32	5.75	2.53
1.267	5.06	2.767	64.47	4.267	5.06	5.77	2.53
1.283	5.06	2.783	64.47	4.283	5.06	5.78	2.53
1.300	5.06	2.800	64.47	4.300	5.06	5.80	2.53
1.317	5.06	2.817	64.47	4.317	5.06	5.82	2.53
1.333	5.06	2.833	64.47	4.333	5.06	5.83	2.53
1.350	5.06	2.850	64.47	4.350	5.06	5.85	2.53
1.367	5.06	2.867	64.47	4.367	5.06	5.87	2.53
1.383	5.06	2.883	64.47	4.383	5.06	5.88	2.53
1.400	5.06	2.900	64.47	4.400	5.06	5.90	2.53
1.417	5.06	2.917	64.47	4.417	5.06	5.92	2.53
1.433	5.06	2.933	64.47	4.433	5.06	5.93	2.53
1.450	5.06	2.950	64.47	4.450	5.06	5.95	2.53
1.467	5.06	2.967	64.47	4.467	5.06	5.97	2.53
1.483	5.06	2.983	64.47	4.483	5.06	5.98	2.53
1.500	5.06	3.000	64.47	4.500	5.06	6.00	2.52

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.459 (i)
TIME TO PEAK (hrs)= 3.500
RUNOFF VOLUME (mm)= 15.881
TOTAL RAINFALL (mm)= 62.894
RUNOFF COEFFICIENT = 0.253

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)		AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3		(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0004):		33.05	0.535	3.88	11.81
+ ID2= 2 (0007):		15.86	0.459	3.50	15.88
=====		=====			
ID = 3 (0006):		48.92	0.939	3.67	13.13

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:2.5 SCS II 6hr 50yr **

CALIB		Area	(ha)=	33.05	Curve Number	(CN)=	58.0
NASHYD (0004)		Ia	(mm)=	10.00	# of Linear Res.(N)=	3.00	
ID= 1 DT= 1.0 min		U.H. Tp	(hrs)=	0.64			

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.40	1.517	5.60	3.017	44.79	4.52	4.90
0.033	1.40	1.533	5.60	3.033	44.79	4.53	4.90
0.050	1.40	1.550	5.60	3.050	44.79	4.55	4.90
0.067	1.40	1.567	5.60	3.067	44.79	4.57	4.90
0.083	1.40	1.583	5.60	3.083	44.79	4.58	4.90
0.100	1.40	1.600	5.60	3.100	44.79	4.60	4.90
0.117	1.40	1.617	5.60	3.117	44.79	4.62	4.90
0.133	1.40	1.633	5.60	3.133	44.79	4.63	4.90
0.150	1.40	1.650	5.60	3.150	44.79	4.65	4.90
0.167	1.40	1.667	5.60	3.167	44.79	4.67	4.90
0.183	1.40	1.683	5.60	3.183	44.79	4.68	4.90
0.200	1.40	1.700	5.60	3.200	44.79	4.70	4.90
0.217	1.40	1.717	5.60	3.217	44.79	4.72	4.90
0.233	1.40	1.733	5.60	3.233	44.79	4.73	4.90
0.250	1.40	1.750	5.60	3.250	44.79	4.75	4.90

0.267	2.80	1.767	5.60	3.267	18.20	4.77	4.20
0.283	2.80	1.783	5.60	3.283	18.19	4.78	4.20
0.300	2.80	1.800	5.60	3.300	18.19	4.80	4.20
0.317	2.80	1.817	5.60	3.317	18.19	4.82	4.20
0.333	2.80	1.833	5.60	3.333	18.19	4.83	4.20
0.350	2.80	1.850	5.60	3.350	18.19	4.85	4.20
0.367	2.80	1.867	5.60	3.367	18.19	4.87	4.20
0.383	2.80	1.883	5.60	3.383	18.19	4.88	4.20
0.400	2.80	1.900	5.60	3.400	18.19	4.90	4.20
0.417	2.80	1.917	5.60	3.417	18.19	4.92	4.20
0.433	2.80	1.933	5.60	3.433	18.19	4.93	4.20
0.450	2.80	1.950	5.60	3.450	18.19	4.95	4.20
0.467	2.80	1.967	5.60	3.467	18.19	4.97	4.20
0.483	2.80	1.983	5.60	3.483	18.19	4.98	4.20
0.500	2.80	2.000	5.60	3.500	18.19	5.00	4.20
0.517	2.80	2.017	7.70	3.517	13.30	5.02	3.50
0.533	2.80	2.033	7.70	3.533	13.30	5.03	3.50
0.550	2.80	2.050	7.70	3.550	13.30	5.05	3.50
0.567	2.80	2.067	7.70	3.567	13.30	5.07	3.50
0.583	2.80	2.083	7.70	3.583	13.30	5.08	3.50
0.600	2.80	2.100	7.70	3.600	13.30	5.10	3.50
0.617	2.80	2.117	7.70	3.617	13.30	5.12	3.50
0.633	2.80	2.133	7.70	3.633	13.30	5.13	3.50
0.650	2.80	2.150	7.70	3.650	13.30	5.15	3.50
0.667	2.80	2.167	7.70	3.667	13.30	5.17	3.50
0.683	2.80	2.183	7.70	3.683	13.30	5.18	3.50
0.700	2.80	2.200	7.70	3.700	13.30	5.20	3.50
0.717	2.80	2.217	7.70	3.717	13.30	5.22	3.50
0.733	2.80	2.233	7.70	3.733	13.30	5.23	3.50
0.750	2.80	2.250	7.70	3.750	13.30	5.25	3.50
0.767	2.80	2.267	9.80	3.767	8.40	5.27	2.80
0.783	2.80	2.283	9.80	3.783	8.40	5.28	2.80
0.800	2.80	2.300	9.80	3.800	8.40	5.30	2.80
0.817	2.80	2.317	9.80	3.817	8.40	5.32	2.80
0.833	2.80	2.333	9.80	3.833	8.40	5.33	2.80
0.850	2.80	2.350	9.80	3.850	8.40	5.35	2.80
0.867	2.80	2.367	9.80	3.867	8.40	5.37	2.80
0.883	2.80	2.383	9.80	3.883	8.40	5.38	2.80
0.900	2.80	2.400	9.80	3.900	8.40	5.40	2.80
0.917	2.80	2.417	9.80	3.917	8.40	5.42	2.80
0.933	2.80	2.433	9.80	3.933	8.40	5.43	2.80
0.950	2.80	2.450	9.80	3.950	8.40	5.45	2.80
0.967	2.80	2.467	9.80	3.967	8.40	5.47	2.80
0.983	2.80	2.483	9.80	3.983	8.40	5.48	2.80
1.000	2.80	2.500	9.80	4.000	8.40	5.50	2.80
1.017	4.20	2.517	40.59	4.017	7.00	5.52	2.80
1.033	4.20	2.533	40.59	4.033	7.00	5.53	2.80
1.050	4.20	2.550	40.59	4.050	7.00	5.55	2.80
1.067	4.20	2.567	40.59	4.067	7.00	5.57	2.80
1.083	4.20	2.583	40.59	4.083	7.00	5.58	2.80
1.100	4.20	2.600	40.59	4.100	7.00	5.60	2.80
1.117	4.20	2.617	40.59	4.117	7.00	5.62	2.80
1.133	4.20	2.633	40.59	4.133	7.00	5.63	2.80
1.150	4.20	2.650	40.59	4.150	7.00	5.65	2.80
1.167	4.20	2.667	40.59	4.167	7.00	5.67	2.80
1.183	4.20	2.683	40.59	4.183	7.00	5.68	2.80
1.200	4.20	2.700	40.59	4.200	7.00	5.70	2.80
1.217	4.20	2.717	40.59	4.217	7.00	5.72	2.80
1.233	4.20	2.733	40.59	4.233	7.00	5.73	2.80
1.250	4.20	2.750	40.59	4.250	7.00	5.75	2.80
1.267	5.60	2.767	71.38	4.267	5.60	5.77	2.80
1.283	5.60	2.783	71.38	4.283	5.60	5.78	2.80
1.300	5.60	2.800	71.38	4.300	5.60	5.80	2.80
1.317	5.60	2.817	71.38	4.317	5.60	5.82	2.80
1.333	5.60	2.833	71.38	4.333	5.60	5.83	2.80
1.350	5.60	2.850	71.38	4.350	5.60	5.85	2.80
1.367	5.60	2.867	71.38	4.367	5.60	5.87	2.80
1.383	5.60	2.883	71.38	4.383	5.60	5.88	2.80
1.400	5.60	2.900	71.38	4.400	5.60	5.90	2.80
1.417	5.60	2.917	71.38	4.417	5.60	5.92	2.80
1.433	5.60	2.933	71.38	4.433	5.60	5.93	2.80
1.450	5.60	2.950	71.38	4.450	5.60	5.95	2.80
1.467	5.60	2.967	71.38	4.467	5.60	5.97	2.80
1.483	5.60	2.983	71.38	4.483	5.60	5.98	2.80
1.500	5.60	3.000	71.38	4.500	5.60	6.00	2.80

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.665 (i)
TIME TO PEAK (hrs)= 3.867
RUNOFF VOLUME (mm)= 14.599
TOTAL RAINFALL (mm)= 69.630
RUNOFF COEFFICIENT = 0.210

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.40	1.517	5.60	3.017	44.79	4.52	4.90
0.033	1.40	1.533	5.60	3.033	44.79	4.53	4.90
0.050	1.40	1.550	5.60	3.050	44.79	4.55	4.90
0.067	1.40	1.567	5.60	3.067	44.79	4.57	4.90
0.083	1.40	1.583	5.60	3.083	44.79	4.58	4.90
0.100	1.40	1.600	5.60	3.100	44.79	4.60	4.90
0.117	1.40	1.617	5.60	3.117	44.79	4.62	4.90
0.133	1.40	1.633	5.60	3.133	44.79	4.63	4.90
0.150	1.40	1.650	5.60	3.150	44.79	4.65	4.90
0.167	1.40	1.667	5.60	3.167	44.79	4.67	4.90
0.183	1.40	1.683	5.60	3.183	44.79	4.68	4.90
0.200	1.40	1.700	5.60	3.200	44.79	4.70	4.90
0.217	1.40	1.717	5.60	3.217	44.79	4.72	4.90
0.233	1.40	1.733	5.60	3.233	44.79	4.73	4.90
0.250	1.40	1.750	5.60	3.250	44.79	4.75	4.90
0.267	2.80	1.767	5.60	3.267	18.20	4.77	4.20
0.283	2.80	1.783	5.60	3.283	18.19	4.78	4.20
0.300	2.80	1.800	5.60	3.300	18.19	4.80	4.20
0.317	2.80	1.817	5.60	3.317	18.19	4.82	4.20
0.333	2.80	1.833	5.60	3.333	18.19	4.83	4.20
0.350	2.80	1.850	5.60	3.350	18.19	4.85	4.20
0.367	2.80	1.867	5.60	3.367	18.19	4.87	4.20
0.383	2.80	1.883	5.60	3.383	18.19	4.88	4.20
0.400	2.80	1.900	5.60	3.400	18.19	4.90	4.20
0.417	2.80	1.917	5.60	3.417	18.19	4.92	4.20
0.433	2.80	1.933	5.60	3.433	18.19	4.93	4.20
0.450	2.80	1.950	5.60	3.450	18.19	4.95	4.20
0.467	2.80	1.967	5.60	3.467	18.19	4.97	4.20
0.483	2.80	1.983	5.60	3.483	18.19	4.98	4.20
0.500	2.80	2.000	5.60	3.500	18.19	5.00	4.20
0.517	2.80	2.017	7.70	3.517	13.30	5.02	3.50
0.533	2.80	2.033	7.70	3.533	13.30	5.03	3.50
0.550	2.80	2.050	7.70	3.550	13.30	5.05	3.50
0.567	2.80	2.067	7.70	3.567	13.30	5.07	3.50
0.583	2.80	2.083	7.70	3.583	13.30	5.08	3.50
0.600	2.80	2.100	7.70	3.600	13.30	5.10	3.50
0.617	2.80	2.117	7.70	3.617	13.30	5.12	3.50
0.633	2.80	2.133	7.70	3.633	13.30	5.13	3.50
0.650	2.80	2.150	7.70	3.650	13.30	5.15	3.50
0.667	2.80	2.167	7.70	3.667	13.30	5.17	3.50
0.683	2.80	2.183	7.70	3.683	13.30	5.18	3.50
0.700	2.80	2.200	7.70	3.700	13.30	5.20	3.50
0.717	2.80	2.217	7.70	3.717	13.30	5.22	3.50
0.733	2.80	2.233	7.70	3.733	13.30	5.23	3.50
0.750	2.80	2.250	7.70	3.750	13.30	5.25	3.50
0.767	2.80	2.267	9.80	3.767	8.40	5.27	2.80
0.783	2.80	2.283	9.80	3.783	8.40	5.28	2.80
0.800	2.80	2.300	9.80	3.800	8.40	5.30	2.80
0.817	2.80	2.317	9.80	3.817	8.40	5.32	2.80
0.833	2.80	2.333	9.80	3.833	8.40	5.33	2.80
0.850	2.80	2.350	9.80	3.850	8.40	5.35	2.80
0.867	2.80	2.367	9.80	3.867	8.40	5.37	2.80
0.883	2.80	2.383	9.80	3.883	8.40	5.38	2.80
0.900	2.80	2.400	9.80	3.900	8.40	5.40	2.80
0.917	2.80	2.417	9.80	3.917	8.40	5.42	2.80
0.933	2.80	2.433	9.80	3.933	8.40	5.43	2.80
0.950	2.80	2.450	9.80	3.950	8.40	5.45	2.80
0.967	2.80	2.467	9.80	3.967	8.40	5.47	2.80
0.983	2.80	2.483	9.80	3.983	8.40	5.48	2.80
1.000	2.80	2.500	9.80	4.000	8.40	5.50	2.80
1.017	4.20	2.517	40.59	4.017	7.00	5.52	2.80
1.033	4.20	2.533	40.59	4.033	7.00	5.53	2.80
1.050	4.20	2.550	40.59	4.050	7.00	5.55	2.80
1.067	4.20	2.567	40.59	4.067	7.00	5.57	2.80
1.083	4.20	2.583	40.59	4.083	7.00	5.58	2.80
1.100	4.20	2.600	40.59	4.100	7.00	5.60	2.80
1.117	4.20	2.617	40.59	4.117	7.00	5.62	2.80
1.133	4.20	2.633	40.59	4.133	7.00	5.63	2.80
1.150	4.20	2.650	40.59	4.150	7.00	5.65	2.80

1.167	4.20	2.667	40.59	4.167	7.00	5.67	2.80
1.183	4.20	2.683	40.59	4.183	7.00	5.68	2.80
1.200	4.20	2.700	40.59	4.200	7.00	5.70	2.80
1.217	4.20	2.717	40.59	4.217	7.00	5.72	2.80
1.233	4.20	2.733	40.59	4.233	7.00	5.73	2.80
1.250	4.20	2.750	40.59	4.250	7.00	5.75	2.80
1.267	5.60	2.767	71.38	4.267	5.60	5.77	2.80
1.283	5.60	2.783	71.38	4.283	5.60	5.78	2.80
1.300	5.60	2.800	71.38	4.300	5.60	5.80	2.80
1.317	5.60	2.817	71.38	4.317	5.60	5.82	2.80
1.333	5.60	2.833	71.38	4.333	5.60	5.83	2.80
1.350	5.60	2.850	71.38	4.350	5.60	5.85	2.80
1.367	5.60	2.867	71.38	4.367	5.60	5.87	2.80
1.383	5.60	2.883	71.38	4.383	5.60	5.88	2.80
1.400	5.60	2.900	71.38	4.400	5.60	5.90	2.80
1.417	5.60	2.917	71.38	4.417	5.60	5.92	2.80
1.433	5.60	2.933	71.38	4.433	5.60	5.93	2.80
1.450	5.60	2.950	71.38	4.450	5.60	5.95	2.80
1.467	5.60	2.967	71.38	4.467	5.60	5.97	2.80
1.483	5.60	2.983	71.38	4.483	5.60	5.98	2.80
1.500	5.60	3.000	71.38	4.500	5.60	6.00	2.80

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.556 (i)
 TIME TO PEAK (hrs)= 3.500
 RUNOFF VOLUME (mm)= 19.161
 TOTAL RAINFALL (mm)= 69.630
 RUNOFF COEFFICIENT = 0.275

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)					
1 + 2 = 3					
		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0004):		33.05	0.665	3.87	14.60
+ ID2= 2 (0007):		15.86	0.556	3.50	19.16
=====		=====			
ID = 3 (0006):		48.92	1.156	3.67	16.08

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:2.6 SCS II 6hr 100yr **

CALIB					
NASHYD (0004)					
ID= 1 DT= 1.0 min		Area (ha)= 33.05	Curve Number (CN)= 58.0		
		Ia (mm)= 10.00	# of Linear Res.(N)= 3.00		
		U.H. Tp(hrs)= 0.64			

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.53	1.517	6.13	3.017	49.01	4.52	5.36
0.033	1.53	1.533	6.13	3.033	49.00	4.53	5.36
0.050	1.53	1.550	6.13	3.050	49.00	4.55	5.36
0.067	1.53	1.567	6.13	3.067	49.00	4.57	5.36
0.083	1.53	1.583	6.13	3.083	49.00	4.58	5.36
0.100	1.53	1.600	6.13	3.100	49.00	4.60	5.36
0.117	1.53	1.617	6.13	3.117	49.00	4.62	5.36
0.133	1.53	1.633	6.13	3.133	49.00	4.63	5.36
0.150	1.53	1.650	6.13	3.150	49.00	4.65	5.36
0.167	1.53	1.667	6.13	3.167	49.00	4.67	5.36
0.183	1.53	1.683	6.13	3.183	49.00	4.68	5.36
0.200	1.53	1.700	6.13	3.200	49.00	4.70	5.36
0.217	1.53	1.717	6.13	3.217	49.00	4.72	5.36
0.233	1.53	1.733	6.13	3.233	49.00	4.73	5.36
0.250	1.53	1.750	6.13	3.250	49.00	4.75	5.36
0.267	3.06	1.767	6.13	3.267	19.91	4.77	4.59
0.283	3.06	1.783	6.13	3.283	19.91	4.78	4.59
0.300	3.06	1.800	6.13	3.300	19.91	4.80	4.59
0.317	3.06	1.817	6.13	3.317	19.91	4.82	4.59
0.333	3.06	1.833	6.13	3.333	19.91	4.83	4.59
0.350	3.06	1.850	6.13	3.350	19.91	4.85	4.59
0.367	3.06	1.867	6.13	3.367	19.91	4.87	4.59
0.383	3.06	1.883	6.13	3.383	19.91	4.88	4.59
0.400	3.06	1.900	6.13	3.400	19.91	4.90	4.59

0.417	3.06	1.917	6.13	3.417	19.91	4.92	4.59
0.433	3.06	1.933	6.13	3.433	19.91	4.93	4.59
0.450	3.06	1.950	6.13	3.450	19.91	4.95	4.59
0.467	3.06	1.967	6.13	3.467	19.91	4.97	4.59
0.483	3.06	1.983	6.13	3.483	19.91	4.98	4.59
0.500	3.06	2.000	6.13	3.500	19.91	5.00	4.59
0.517	3.06	2.017	8.42	3.517	14.55	5.02	3.83
0.533	3.06	2.033	8.42	3.533	14.55	5.03	3.83
0.550	3.06	2.050	8.42	3.550	14.55	5.05	3.83
0.567	3.06	2.067	8.42	3.567	14.55	5.07	3.83
0.583	3.06	2.083	8.42	3.583	14.55	5.08	3.83
0.600	3.06	2.100	8.42	3.600	14.55	5.10	3.83
0.617	3.06	2.117	8.42	3.617	14.55	5.12	3.83
0.633	3.06	2.133	8.42	3.633	14.55	5.13	3.83
0.650	3.06	2.150	8.42	3.650	14.55	5.15	3.83
0.667	3.06	2.167	8.42	3.667	14.55	5.17	3.83
0.683	3.06	2.183	8.42	3.683	14.55	5.18	3.83
0.700	3.06	2.200	8.42	3.700	14.55	5.20	3.83
0.717	3.06	2.217	8.42	3.717	14.55	5.22	3.83
0.733	3.06	2.233	8.42	3.733	14.55	5.23	3.83
0.750	3.06	2.250	8.42	3.750	14.55	5.25	3.83
0.767	3.06	2.267	10.72	3.767	9.19	5.27	3.06
0.783	3.06	2.283	10.72	3.783	9.19	5.28	3.06
0.800	3.06	2.300	10.72	3.800	9.19	5.30	3.06
0.817	3.06	2.317	10.72	3.817	9.19	5.32	3.06
0.833	3.06	2.333	10.72	3.833	9.19	5.33	3.06
0.850	3.06	2.350	10.72	3.850	9.19	5.35	3.06
0.867	3.06	2.367	10.72	3.867	9.19	5.37	3.06
0.883	3.06	2.383	10.72	3.883	9.19	5.38	3.06
0.900	3.06	2.400	10.72	3.900	9.19	5.40	3.06
0.917	3.06	2.417	10.72	3.917	9.19	5.42	3.06
0.933	3.06	2.433	10.72	3.933	9.19	5.43	3.06
0.950	3.06	2.450	10.72	3.950	9.19	5.45	3.06
0.967	3.06	2.467	10.72	3.967	9.19	5.47	3.06
0.983	3.06	2.483	10.72	3.983	9.19	5.48	3.06
1.000	3.06	2.500	10.72	4.000	9.19	5.50	3.06
1.017	4.59	2.517	44.41	4.017	7.66	5.52	3.06
1.033	4.59	2.533	44.41	4.033	7.66	5.53	3.06
1.050	4.59	2.550	44.41	4.050	7.66	5.55	3.06
1.067	4.59	2.567	44.41	4.067	7.66	5.57	3.06
1.083	4.59	2.583	44.41	4.083	7.66	5.58	3.06
1.100	4.59	2.600	44.41	4.100	7.66	5.60	3.06
1.117	4.59	2.617	44.41	4.117	7.66	5.62	3.06
1.133	4.59	2.633	44.41	4.133	7.66	5.63	3.06
1.150	4.59	2.650	44.41	4.150	7.66	5.65	3.06
1.167	4.59	2.667	44.41	4.167	7.66	5.67	3.06
1.183	4.59	2.683	44.41	4.183	7.66	5.68	3.06
1.200	4.59	2.700	44.41	4.200	7.66	5.70	3.06
1.217	4.59	2.717	44.41	4.217	7.66	5.72	3.06
1.233	4.59	2.733	44.41	4.233	7.66	5.73	3.06
1.250	4.59	2.750	44.41	4.250	7.66	5.75	3.06
1.267	6.13	2.767	78.10	4.267	6.13	5.77	3.06
1.283	6.13	2.783	78.10	4.283	6.13	5.78	3.06
1.300	6.13	2.800	78.10	4.300	6.13	5.80	3.06
1.317	6.13	2.817	78.10	4.317	6.13	5.82	3.06
1.333	6.13	2.833	78.10	4.333	6.13	5.83	3.06
1.350	6.13	2.850	78.10	4.350	6.13	5.85	3.06
1.367	6.13	2.867	78.10	4.367	6.13	5.87	3.06
1.383	6.13	2.883	78.10	4.383	6.13	5.88	3.06
1.400	6.13	2.900	78.10	4.400	6.13	5.90	3.06
1.417	6.13	2.917	78.10	4.417	6.13	5.92	3.06
1.433	6.13	2.933	78.10	4.433	6.13	5.93	3.06
1.450	6.13	2.950	78.10	4.450	6.13	5.95	3.06
1.467	6.13	2.967	78.10	4.467	6.13	5.97	3.06
1.483	6.13	2.983	78.10	4.483	6.13	5.98	3.06
1.500	6.13	3.000	78.10	4.500	6.13	6.00	3.06

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.802 (i)
TIME TO PEAK (hrs)= 3.850
RUNOFF VOLUME (mm)= 17.515
TOTAL RAINFALL (mm)= 76.187
RUNOFF COEFFICIENT = 0.230

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.53	1.517	6.13	3.017	49.01	4.52	5.36
0.033	1.53	1.533	6.13	3.033	49.00	4.53	5.36
0.050	1.53	1.550	6.13	3.050	49.00	4.55	5.36
0.067	1.53	1.567	6.13	3.067	49.00	4.57	5.36
0.083	1.53	1.583	6.13	3.083	49.00	4.58	5.36
0.100	1.53	1.600	6.13	3.100	49.00	4.60	5.36
0.117	1.53	1.617	6.13	3.117	49.00	4.62	5.36
0.133	1.53	1.633	6.13	3.133	49.00	4.63	5.36
0.150	1.53	1.650	6.13	3.150	49.00	4.65	5.36
0.167	1.53	1.667	6.13	3.167	49.00	4.67	5.36
0.183	1.53	1.683	6.13	3.183	49.00	4.68	5.36
0.200	1.53	1.700	6.13	3.200	49.00	4.70	5.36
0.217	1.53	1.717	6.13	3.217	49.00	4.72	5.36
0.233	1.53	1.733	6.13	3.233	49.00	4.73	5.36
0.250	1.53	1.750	6.13	3.250	49.00	4.75	5.36
0.267	3.06	1.767	6.13	3.267	19.91	4.77	4.59
0.283	3.06	1.783	6.13	3.283	19.91	4.78	4.59
0.300	3.06	1.800	6.13	3.300	19.91	4.80	4.59
0.317	3.06	1.817	6.13	3.317	19.91	4.82	4.59
0.333	3.06	1.833	6.13	3.333	19.91	4.83	4.59
0.350	3.06	1.850	6.13	3.350	19.91	4.85	4.59
0.367	3.06	1.867	6.13	3.367	19.91	4.87	4.59
0.383	3.06	1.883	6.13	3.383	19.91	4.88	4.59
0.400	3.06	1.900	6.13	3.400	19.91	4.90	4.59
0.417	3.06	1.917	6.13	3.417	19.91	4.92	4.59
0.433	3.06	1.933	6.13	3.433	19.91	4.93	4.59
0.450	3.06	1.950	6.13	3.450	19.91	4.95	4.59
0.467	3.06	1.967	6.13	3.467	19.91	4.97	4.59
0.483	3.06	1.983	6.13	3.483	19.91	4.98	4.59
0.500	3.06	2.000	6.13	3.500	19.91	5.00	4.59
0.517	3.06	2.017	8.42	3.517	14.55	5.02	3.83
0.533	3.06	2.033	8.42	3.533	14.55	5.03	3.83
0.550	3.06	2.050	8.42	3.550	14.55	5.05	3.83
0.567	3.06	2.067	8.42	3.567	14.55	5.07	3.83
0.583	3.06	2.083	8.42	3.583	14.55	5.08	3.83
0.600	3.06	2.100	8.42	3.600	14.55	5.10	3.83
0.617	3.06	2.117	8.42	3.617	14.55	5.12	3.83
0.633	3.06	2.133	8.42	3.633	14.55	5.13	3.83
0.650	3.06	2.150	8.42	3.650	14.55	5.15	3.83
0.667	3.06	2.167	8.42	3.667	14.55	5.17	3.83
0.683	3.06	2.183	8.42	3.683	14.55	5.18	3.83
0.700	3.06	2.200	8.42	3.700	14.55	5.20	3.83
0.717	3.06	2.217	8.42	3.717	14.55	5.22	3.83
0.733	3.06	2.233	8.42	3.733	14.55	5.23	3.83
0.750	3.06	2.250	8.42	3.750	14.55	5.25	3.83
0.767	3.06	2.267	10.72	3.767	9.19	5.27	3.06
0.783	3.06	2.283	10.72	3.783	9.19	5.28	3.06
0.800	3.06	2.300	10.72	3.800	9.19	5.30	3.06
0.817	3.06	2.317	10.72	3.817	9.19	5.32	3.06
0.833	3.06	2.333	10.72	3.833	9.19	5.33	3.06
0.850	3.06	2.350	10.72	3.850	9.19	5.35	3.06
0.867	3.06	2.367	10.72	3.867	9.19	5.37	3.06
0.883	3.06	2.383	10.72	3.883	9.19	5.38	3.06
0.900	3.06	2.400	10.72	3.900	9.19	5.40	3.06
0.917	3.06	2.417	10.72	3.917	9.19	5.42	3.06
0.933	3.06	2.433	10.72	3.933	9.19	5.43	3.06
0.950	3.06	2.450	10.72	3.950	9.19	5.45	3.06
0.967	3.06	2.467	10.72	3.967	9.19	5.47	3.06
0.983	3.06	2.483	10.72	3.983	9.19	5.48	3.06
1.000	3.06	2.500	10.72	4.000	9.19	5.50	3.06
1.017	4.59	2.517	44.41	4.017	7.66	5.52	3.06
1.033	4.59	2.533	44.41	4.033	7.66	5.53	3.06
1.050	4.59	2.550	44.41	4.050	7.66	5.55	3.06
1.067	4.59	2.567	44.41	4.067	7.66	5.57	3.06
1.083	4.59	2.583	44.41	4.083	7.66	5.58	3.06
1.100	4.59	2.600	44.41	4.100	7.66	5.60	3.06
1.117	4.59	2.617	44.41	4.117	7.66	5.62	3.06
1.133	4.59	2.633	44.41	4.133	7.66	5.63	3.06
1.150	4.59	2.650	44.41	4.150	7.66	5.65	3.06
1.167	4.59	2.667	44.41	4.167	7.66	5.67	3.06
1.183	4.59	2.683	44.41	4.183	7.66	5.68	3.06
1.200	4.59	2.700	44.41	4.200	7.66	5.70	3.06
1.217	4.59	2.717	44.41	4.217	7.66	5.72	3.06
1.233	4.59	2.733	44.41	4.233	7.66	5.73	3.06
1.250	4.59	2.750	44.41	4.250	7.66	5.75	3.06
1.267	6.13	2.767	78.10	4.267	6.13	5.77	3.06
1.283	6.13	2.783	78.10	4.283	6.13	5.78	3.06
1.300	6.13	2.800	78.10	4.300	6.13	5.80	3.06

1.317	6.13	2.817	78.10	4.317	6.13	5.82	3.06
1.333	6.13	2.833	78.10	4.333	6.13	5.83	3.06
1.350	6.13	2.850	78.10	4.350	6.13	5.85	3.06
1.367	6.13	2.867	78.10	4.367	6.13	5.87	3.06
1.383	6.13	2.883	78.10	4.383	6.13	5.88	3.06
1.400	6.13	2.900	78.10	4.400	6.13	5.90	3.06
1.417	6.13	2.917	78.10	4.417	6.13	5.92	3.06
1.433	6.13	2.933	78.10	4.433	6.13	5.93	3.06
1.450	6.13	2.950	78.10	4.450	6.13	5.95	3.06
1.467	6.13	2.967	78.10	4.467	6.13	5.97	3.06
1.483	6.13	2.983	78.10	4.483	6.13	5.98	3.06
1.500	6.13	3.000	78.10	4.500	6.13	6.00	3.06

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.656 (i)
TIME TO PEAK (hrs)= 3.500
RUNOFF VOLUME (mm)= 22.549
TOTAL RAINFALL (mm)= 76.187
RUNOFF COEFFICIENT = 0.296

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)				
1 + 2 = 3				
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0004):	33.05	0.802	3.85	17.51
+ ID2= 2 (0007):	15.86	0.656	3.50	22.55
=====				
ID = 3 (0006):	48.92	1.383	3.67	19.15

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:3.1 SCS II 12hr 2yr **

CALIB				
NASHYD (0004)				
ID= 1 DT= 1.0 min				
	Area (ha)=	33.05	Curve Number (CN)=	58.0
	Ia (mm)=	10.00	# of Linear Res.(N)=	3.00
	U.H. Tp(hrs)=	0.64		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.45	3.017	1.81	6.017	24.46	9.02	1.81
0.033	0.45	3.033	1.81	6.033	24.46	9.03	1.81
0.050	0.45	3.050	1.81	6.050	24.46	9.05	1.81
0.067	0.45	3.067	1.81	6.067	24.46	9.07	1.81
0.083	0.45	3.083	1.81	6.083	24.46	9.08	1.81
0.100	0.45	3.100	1.81	6.100	24.46	9.10	1.81
0.117	0.45	3.117	1.81	6.117	24.46	9.12	1.81
0.133	0.45	3.133	1.81	6.133	24.46	9.13	1.81
0.150	0.45	3.150	1.81	6.150	24.46	9.15	1.81
0.167	0.45	3.167	1.81	6.167	24.46	9.17	1.81
0.183	0.45	3.183	1.81	6.183	24.46	9.18	1.81
0.200	0.45	3.200	1.81	6.200	24.46	9.20	1.81
0.217	0.45	3.217	1.81	6.217	24.46	9.22	1.81
0.233	0.45	3.233	1.81	6.233	24.46	9.23	1.81
0.250	0.45	3.250	1.81	6.250	24.44	9.25	1.81
0.267	0.91	3.267	1.81	6.267	8.15	9.27	1.81
0.283	0.91	3.283	1.81	6.283	8.15	9.28	1.81
0.300	0.91	3.300	1.81	6.300	8.15	9.30	1.81
0.317	0.91	3.317	1.81	6.317	8.15	9.32	1.81
0.333	0.91	3.333	1.81	6.333	8.15	9.33	1.81
0.350	0.91	3.350	1.81	6.350	8.15	9.35	1.81
0.367	0.91	3.367	1.81	6.367	8.15	9.37	1.81
0.383	0.91	3.383	1.81	6.383	8.15	9.38	1.81
0.400	0.91	3.400	1.81	6.400	8.15	9.40	1.81
0.417	0.91	3.417	1.81	6.417	8.15	9.42	1.81
0.433	0.91	3.433	1.81	6.433	8.15	9.43	1.81
0.450	0.91	3.450	1.81	6.450	8.15	9.45	1.81
0.467	0.91	3.467	1.81	6.467	8.15	9.47	1.81
0.483	0.91	3.483	1.81	6.483	8.15	9.48	1.81
0.500	0.91	3.500	1.81	6.500	8.15	9.50	1.81
0.517	0.91	3.517	1.81	6.517	5.89	9.52	1.36
0.533	0.91	3.533	1.81	6.533	5.89	9.53	1.36
0.550	0.91	3.550	1.81	6.550	5.89	9.55	1.36

0.567	0.91	3.567	1.81	6.567	5.89	9.57	1.36
0.583	0.91	3.583	1.81	6.583	5.89	9.58	1.36
0.600	0.91	3.600	1.81	6.600	5.89	9.60	1.36
0.617	0.91	3.617	1.81	6.617	5.89	9.62	1.36
0.633	0.91	3.633	1.81	6.633	5.89	9.63	1.36
0.650	0.91	3.650	1.81	6.650	5.89	9.65	1.36
0.667	0.91	3.667	1.81	6.667	5.89	9.67	1.36
0.683	0.91	3.683	1.81	6.683	5.89	9.68	1.36
0.700	0.91	3.700	1.81	6.700	5.89	9.70	1.36
0.717	0.91	3.717	1.81	6.717	5.89	9.72	1.36
0.733	0.91	3.733	1.81	6.733	5.89	9.73	1.36
0.750	0.91	3.750	1.81	6.750	5.88	9.75	1.36
0.767	0.91	3.767	1.81	6.767	3.62	9.77	0.91
0.783	0.91	3.783	1.81	6.783	3.62	9.78	0.91
0.800	0.91	3.800	1.81	6.800	3.62	9.80	0.91
0.817	0.91	3.817	1.81	6.817	3.62	9.82	0.91
0.833	0.91	3.833	1.81	6.833	3.62	9.83	0.91
0.850	0.91	3.850	1.81	6.850	3.62	9.85	0.91
0.867	0.91	3.867	1.81	6.867	3.62	9.87	0.91
0.883	0.91	3.883	1.81	6.883	3.62	9.88	0.91
0.900	0.91	3.900	1.81	6.900	3.62	9.90	0.91
0.917	0.91	3.917	1.81	6.917	3.62	9.92	0.91
0.933	0.91	3.933	1.81	6.933	3.62	9.93	0.91
0.950	0.91	3.950	1.81	6.950	3.62	9.95	0.91
0.967	0.91	3.967	1.81	6.967	3.62	9.97	0.91
0.983	0.91	3.983	1.81	6.983	3.62	9.98	0.91
1.000	0.91	4.000	1.81	7.000	3.62	10.00	0.91
1.017	0.91	4.017	2.26	7.017	3.17	10.02	0.91
1.033	0.91	4.033	2.26	7.033	3.17	10.03	0.91
1.050	0.91	4.050	2.26	7.050	3.17	10.05	0.91
1.067	0.91	4.067	2.26	7.067	3.17	10.07	0.91
1.083	0.91	4.083	2.26	7.083	3.17	10.08	0.91
1.100	0.91	4.100	2.26	7.100	3.17	10.10	0.91
1.117	0.91	4.117	2.26	7.117	3.17	10.12	0.91
1.133	0.91	4.133	2.26	7.133	3.17	10.13	0.91
1.150	0.91	4.150	2.26	7.150	3.17	10.15	0.91
1.167	0.91	4.167	2.26	7.167	3.17	10.17	0.91
1.183	0.91	4.183	2.26	7.183	3.17	10.18	0.91
1.200	0.91	4.200	2.26	7.200	3.17	10.20	0.91
1.217	0.91	4.217	2.26	7.217	3.17	10.22	0.91
1.233	0.91	4.233	2.26	7.233	3.17	10.23	0.91
1.250	0.91	4.250	2.26	7.250	3.17	10.25	0.91
1.267	0.91	4.267	2.72	7.267	2.72	10.27	0.91
1.283	0.91	4.283	2.72	7.283	2.72	10.28	0.91
1.300	0.91	4.300	2.72	7.300	2.72	10.30	0.91
1.317	0.91	4.317	2.72	7.317	2.72	10.32	0.91
1.333	0.91	4.333	2.72	7.333	2.72	10.33	0.91
1.350	0.91	4.350	2.72	7.350	2.72	10.35	0.91
1.367	0.91	4.367	2.72	7.367	2.72	10.37	0.91
1.383	0.91	4.383	2.72	7.383	2.72	10.38	0.91
1.400	0.91	4.400	2.72	7.400	2.72	10.40	0.91
1.417	0.91	4.417	2.72	7.417	2.72	10.42	0.91
1.433	0.91	4.433	2.72	7.433	2.72	10.43	0.91
1.450	0.91	4.450	2.72	7.450	2.72	10.45	0.91
1.467	0.91	4.467	2.72	7.467	2.72	10.47	0.91
1.483	0.91	4.483	2.72	7.483	2.72	10.48	0.91
1.500	0.91	4.500	2.72	7.500	2.72	10.50	0.91
1.517	0.91	4.517	3.17	7.517	2.72	10.52	0.91
1.533	0.91	4.533	3.17	7.533	2.72	10.53	0.91
1.550	0.91	4.550	3.17	7.550	2.72	10.55	0.91
1.567	0.91	4.567	3.17	7.567	2.72	10.57	0.91
1.583	0.91	4.583	3.17	7.583	2.72	10.58	0.91
1.600	0.91	4.600	3.17	7.600	2.72	10.60	0.91
1.617	0.91	4.617	3.17	7.617	2.72	10.62	0.91
1.633	0.91	4.633	3.17	7.633	2.72	10.63	0.91
1.650	0.91	4.650	3.17	7.650	2.72	10.65	0.91
1.667	0.91	4.667	3.17	7.667	2.72	10.67	0.91
1.683	0.91	4.683	3.17	7.683	2.72	10.68	0.91
1.700	0.91	4.700	3.17	7.700	2.72	10.70	0.91
1.717	0.91	4.717	3.17	7.717	2.72	10.72	0.91
1.733	0.91	4.733	3.17	7.733	2.72	10.73	0.91
1.750	0.91	4.750	3.17	7.750	2.72	10.75	0.91
1.767	0.91	4.767	3.62	7.767	2.72	10.77	0.91
1.783	0.91	4.783	3.62	7.783	2.72	10.78	0.91
1.800	0.91	4.800	3.62	7.800	2.72	10.80	0.91
1.817	0.91	4.817	3.62	7.817	2.72	10.82	0.91
1.833	0.91	4.833	3.62	7.833	2.72	10.83	0.91
1.850	0.91	4.850	3.62	7.850	2.72	10.85	0.91
1.867	0.91	4.867	3.62	7.867	2.72	10.87	0.91
1.883	0.91	4.883	3.62	7.883	2.72	10.88	0.91
1.900	0.91	4.900	3.62	7.900	2.72	10.90	0.91
1.917	0.91	4.917	3.62	7.917	2.72	10.92	0.91
1.933	0.91	4.933	3.62	7.933	2.72	10.93	0.91
1.950	0.91	4.950	3.62	7.950	2.72	10.95	0.91

1.967	0.91	4.967	3.62	7.967	2.72	10.97	0.91
1.983	0.91	4.983	3.62	7.983	2.72	10.98	0.91
2.000	0.91	5.000	3.62	8.000	2.72	11.00	0.91
2.017	1.36	5.017	4.53	8.017	2.27	11.02	0.91
2.033	1.36	5.033	4.53	8.033	2.27	11.03	0.91
2.050	1.36	5.050	4.53	8.050	2.27	11.05	0.91
2.067	1.36	5.067	4.53	8.067	2.27	11.07	0.91
2.083	1.36	5.083	4.53	8.083	2.27	11.08	0.91
2.100	1.36	5.100	4.53	8.100	2.27	11.10	0.91
2.117	1.36	5.117	4.53	8.117	2.27	11.12	0.91
2.133	1.36	5.133	4.53	8.133	2.27	11.13	0.91
2.150	1.36	5.150	4.53	8.150	2.27	11.15	0.91
2.167	1.36	5.167	4.53	8.167	2.27	11.17	0.91
2.183	1.36	5.183	4.53	8.183	2.27	11.18	0.91
2.200	1.36	5.200	4.53	8.200	2.27	11.20	0.91
2.217	1.36	5.217	4.53	8.217	2.27	11.22	0.91
2.233	1.36	5.233	4.53	8.233	2.27	11.23	0.91
2.250	1.36	5.250	4.53	8.250	2.26	11.25	0.91
2.267	1.81	5.267	5.44	8.267	1.81	11.27	0.91
2.283	1.81	5.283	5.44	8.283	1.81	11.28	0.91
2.300	1.81	5.300	5.44	8.300	1.81	11.30	0.91
2.317	1.81	5.317	5.44	8.317	1.81	11.32	0.91
2.333	1.81	5.333	5.44	8.333	1.81	11.33	0.91
2.350	1.81	5.350	5.44	8.350	1.81	11.35	0.91
2.367	1.81	5.367	5.44	8.367	1.81	11.37	0.91
2.383	1.81	5.383	5.44	8.383	1.81	11.38	0.91
2.400	1.81	5.400	5.44	8.400	1.81	11.40	0.91
2.417	1.81	5.417	5.44	8.417	1.81	11.42	0.91
2.433	1.81	5.433	5.44	8.433	1.81	11.43	0.91
2.450	1.81	5.450	5.44	8.450	1.81	11.45	0.91
2.467	1.81	5.467	5.44	8.467	1.81	11.47	0.91
2.483	1.81	5.483	5.44	8.483	1.81	11.48	0.91
2.500	1.81	5.500	5.45	8.500	1.81	11.50	0.91
2.517	1.81	5.517	23.10	8.517	1.81	11.52	0.91
2.533	1.81	5.533	23.10	8.533	1.81	11.53	0.91
2.550	1.81	5.550	23.10	8.550	1.81	11.55	0.91
2.567	1.81	5.567	23.10	8.567	1.81	11.57	0.91
2.583	1.81	5.583	23.10	8.583	1.81	11.58	0.91
2.600	1.81	5.600	23.10	8.600	1.81	11.60	0.91
2.617	1.81	5.617	23.10	8.617	1.81	11.62	0.91
2.633	1.81	5.633	23.10	8.633	1.81	11.63	0.91
2.650	1.81	5.650	23.10	8.650	1.81	11.65	0.91
2.667	1.81	5.667	23.10	8.667	1.81	11.67	0.91
2.683	1.81	5.683	23.10	8.683	1.81	11.68	0.91
2.700	1.81	5.700	23.10	8.700	1.81	11.70	0.91
2.717	1.81	5.717	23.10	8.717	1.81	11.72	0.91
2.733	1.81	5.733	23.10	8.733	1.81	11.73	0.91
2.750	1.81	5.750	23.12	8.750	1.81	11.75	0.91
2.767	1.81	5.767	40.77	8.767	1.81	11.77	0.91
2.783	1.81	5.783	40.77	8.783	1.81	11.78	0.91
2.800	1.81	5.800	40.77	8.800	1.81	11.80	0.91
2.817	1.81	5.817	40.77	8.817	1.81	11.82	0.91
2.833	1.81	5.833	40.77	8.833	1.81	11.83	0.91
2.850	1.81	5.850	40.77	8.850	1.81	11.85	0.91
2.867	1.81	5.867	40.77	8.867	1.81	11.87	0.91
2.883	1.81	5.883	40.77	8.883	1.81	11.88	0.91
2.900	1.81	5.900	40.77	8.900	1.81	11.90	0.91
2.917	1.81	5.917	40.77	8.917	1.81	11.92	0.91
2.933	1.81	5.933	40.77	8.933	1.81	11.93	0.91
2.950	1.81	5.950	40.77	8.950	1.81	11.95	0.91
2.967	1.81	5.967	40.77	8.967	1.81	11.97	0.91
2.983	1.81	5.983	40.77	8.983	1.81	11.98	0.91
3.000	1.81	6.000	40.75	9.000	1.81	12.00	0.91

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.213 (i)
TIME TO PEAK (hrs)= 6.817
RUNOFF VOLUME (mm)= 5.650
TOTAL RAINFALL (mm)= 45.186
RUNOFF COEFFICIENT = 0.125

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.45	3.017	1.81	6.017	24.46	9.02	1.81
0.033	0.45	3.033	1.81	6.033	24.46	9.03	1.81
0.050	0.45	3.050	1.81	6.050	24.46	9.05	1.81
0.067	0.45	3.067	1.81	6.067	24.46	9.07	1.81
0.083	0.45	3.083	1.81	6.083	24.46	9.08	1.81
0.100	0.45	3.100	1.81	6.100	24.46	9.10	1.81
0.117	0.45	3.117	1.81	6.117	24.46	9.12	1.81
0.133	0.45	3.133	1.81	6.133	24.46	9.13	1.81
0.150	0.45	3.150	1.81	6.150	24.46	9.15	1.81
0.167	0.45	3.167	1.81	6.167	24.46	9.17	1.81
0.183	0.45	3.183	1.81	6.183	24.46	9.18	1.81
0.200	0.45	3.200	1.81	6.200	24.46	9.20	1.81
0.217	0.45	3.217	1.81	6.217	24.46	9.22	1.81
0.233	0.45	3.233	1.81	6.233	24.46	9.23	1.81
0.250	0.45	3.250	1.81	6.250	24.44	9.25	1.81
0.267	0.91	3.267	1.81	6.267	8.15	9.27	1.81
0.283	0.91	3.283	1.81	6.283	8.15	9.28	1.81
0.300	0.91	3.300	1.81	6.300	8.15	9.30	1.81
0.317	0.91	3.317	1.81	6.317	8.15	9.32	1.81
0.333	0.91	3.333	1.81	6.333	8.15	9.33	1.81
0.350	0.91	3.350	1.81	6.350	8.15	9.35	1.81
0.367	0.91	3.367	1.81	6.367	8.15	9.37	1.81
0.383	0.91	3.383	1.81	6.383	8.15	9.38	1.81
0.400	0.91	3.400	1.81	6.400	8.15	9.40	1.81
0.417	0.91	3.417	1.81	6.417	8.15	9.42	1.81
0.433	0.91	3.433	1.81	6.433	8.15	9.43	1.81
0.450	0.91	3.450	1.81	6.450	8.15	9.45	1.81
0.467	0.91	3.467	1.81	6.467	8.15	9.47	1.81
0.483	0.91	3.483	1.81	6.483	8.15	9.48	1.81
0.500	0.91	3.500	1.81	6.500	8.15	9.50	1.81
0.517	0.91	3.517	1.81	6.517	5.89	9.52	1.36
0.533	0.91	3.533	1.81	6.533	5.89	9.53	1.36
0.550	0.91	3.550	1.81	6.550	5.89	9.55	1.36
0.567	0.91	3.567	1.81	6.567	5.89	9.57	1.36
0.583	0.91	3.583	1.81	6.583	5.89	9.58	1.36
0.600	0.91	3.600	1.81	6.600	5.89	9.60	1.36
0.617	0.91	3.617	1.81	6.617	5.89	9.62	1.36
0.633	0.91	3.633	1.81	6.633	5.89	9.63	1.36
0.650	0.91	3.650	1.81	6.650	5.89	9.65	1.36
0.667	0.91	3.667	1.81	6.667	5.89	9.67	1.36
0.683	0.91	3.683	1.81	6.683	5.89	9.68	1.36
0.700	0.91	3.700	1.81	6.700	5.89	9.70	1.36
0.717	0.91	3.717	1.81	6.717	5.89	9.72	1.36
0.733	0.91	3.733	1.81	6.733	5.89	9.73	1.36
0.750	0.91	3.750	1.81	6.750	5.88	9.75	1.36
0.767	0.91	3.767	1.81	6.767	3.62	9.77	0.91
0.783	0.91	3.783	1.81	6.783	3.62	9.78	0.91
0.800	0.91	3.800	1.81	6.800	3.62	9.80	0.91
0.817	0.91	3.817	1.81	6.817	3.62	9.82	0.91
0.833	0.91	3.833	1.81	6.833	3.62	9.83	0.91
0.850	0.91	3.850	1.81	6.850	3.62	9.85	0.91
0.867	0.91	3.867	1.81	6.867	3.62	9.87	0.91
0.883	0.91	3.883	1.81	6.883	3.62	9.88	0.91
0.900	0.91	3.900	1.81	6.900	3.62	9.90	0.91
0.917	0.91	3.917	1.81	6.917	3.62	9.92	0.91
0.933	0.91	3.933	1.81	6.933	3.62	9.93	0.91
0.950	0.91	3.950	1.81	6.950	3.62	9.95	0.91
0.967	0.91	3.967	1.81	6.967	3.62	9.97	0.91
0.983	0.91	3.983	1.81	6.983	3.62	9.98	0.91
1.000	0.91	4.000	1.81	7.000	3.62	10.00	0.91
1.017	0.91	4.017	2.26	7.017	3.17	10.02	0.91
1.033	0.91	4.033	2.26	7.033	3.17	10.03	0.91
1.050	0.91	4.050	2.26	7.050	3.17	10.05	0.91
1.067	0.91	4.067	2.26	7.067	3.17	10.07	0.91
1.083	0.91	4.083	2.26	7.083	3.17	10.08	0.91
1.100	0.91	4.100	2.26	7.100	3.17	10.10	0.91
1.117	0.91	4.117	2.26	7.117	3.17	10.12	0.91
1.133	0.91	4.133	2.26	7.133	3.17	10.13	0.91
1.150	0.91	4.150	2.26	7.150	3.17	10.15	0.91
1.167	0.91	4.167	2.26	7.167	3.17	10.17	0.91
1.183	0.91	4.183	2.26	7.183	3.17	10.18	0.91
1.200	0.91	4.200	2.26	7.200	3.17	10.20	0.91
1.217	0.91	4.217	2.26	7.217	3.17	10.22	0.91
1.233	0.91	4.233	2.26	7.233	3.17	10.23	0.91
1.250	0.91	4.250	2.26	7.250	3.17	10.25	0.91
1.267	0.91	4.267	2.72	7.267	2.72	10.27	0.91
1.283	0.91	4.283	2.72	7.283	2.72	10.28	0.91
1.300	0.91	4.300	2.72	7.300	2.72	10.30	0.91
1.317	0.91	4.317	2.72	7.317	2.72	10.32	0.91
1.333	0.91	4.333	2.72	7.333	2.72	10.33	0.91
1.350	0.91	4.350	2.72	7.350	2.72	10.35	0.91

1.367	0.91	4.367	2.72	7.367	2.72	10.37	0.91
1.383	0.91	4.383	2.72	7.383	2.72	10.38	0.91
1.400	0.91	4.400	2.72	7.400	2.72	10.40	0.91
1.417	0.91	4.417	2.72	7.417	2.72	10.42	0.91
1.433	0.91	4.433	2.72	7.433	2.72	10.43	0.91
1.450	0.91	4.450	2.72	7.450	2.72	10.45	0.91
1.467	0.91	4.467	2.72	7.467	2.72	10.47	0.91
1.483	0.91	4.483	2.72	7.483	2.72	10.48	0.91
1.500	0.91	4.500	2.72	7.500	2.72	10.50	0.91
1.517	0.91	4.517	3.17	7.517	2.72	10.52	0.91
1.533	0.91	4.533	3.17	7.533	2.72	10.53	0.91
1.550	0.91	4.550	3.17	7.550	2.72	10.55	0.91
1.567	0.91	4.567	3.17	7.567	2.72	10.57	0.91
1.583	0.91	4.583	3.17	7.583	2.72	10.58	0.91
1.600	0.91	4.600	3.17	7.600	2.72	10.60	0.91
1.617	0.91	4.617	3.17	7.617	2.72	10.62	0.91
1.633	0.91	4.633	3.17	7.633	2.72	10.63	0.91
1.650	0.91	4.650	3.17	7.650	2.72	10.65	0.91
1.667	0.91	4.667	3.17	7.667	2.72	10.67	0.91
1.683	0.91	4.683	3.17	7.683	2.72	10.68	0.91
1.700	0.91	4.700	3.17	7.700	2.72	10.70	0.91
1.717	0.91	4.717	3.17	7.717	2.72	10.72	0.91
1.733	0.91	4.733	3.17	7.733	2.72	10.73	0.91
1.750	0.91	4.750	3.17	7.750	2.72	10.75	0.91
1.767	0.91	4.767	3.62	7.767	2.72	10.77	0.91
1.783	0.91	4.783	3.62	7.783	2.72	10.78	0.91
1.800	0.91	4.800	3.62	7.800	2.72	10.80	0.91
1.817	0.91	4.817	3.62	7.817	2.72	10.82	0.91
1.833	0.91	4.833	3.62	7.833	2.72	10.83	0.91
1.850	0.91	4.850	3.62	7.850	2.72	10.85	0.91
1.867	0.91	4.867	3.62	7.867	2.72	10.87	0.91
1.883	0.91	4.883	3.62	7.883	2.72	10.88	0.91
1.900	0.91	4.900	3.62	7.900	2.72	10.90	0.91
1.917	0.91	4.917	3.62	7.917	2.72	10.92	0.91
1.933	0.91	4.933	3.62	7.933	2.72	10.93	0.91
1.950	0.91	4.950	3.62	7.950	2.72	10.95	0.91
1.967	0.91	4.967	3.62	7.967	2.72	10.97	0.91
1.983	0.91	4.983	3.62	7.983	2.72	10.98	0.91
2.000	0.91	5.000	3.62	8.000	2.72	11.00	0.91
2.017	1.36	5.017	4.53	8.017	2.27	11.02	0.91
2.033	1.36	5.033	4.53	8.033	2.27	11.03	0.91
2.050	1.36	5.050	4.53	8.050	2.27	11.05	0.91
2.067	1.36	5.067	4.53	8.067	2.27	11.07	0.91
2.083	1.36	5.083	4.53	8.083	2.27	11.08	0.91
2.100	1.36	5.100	4.53	8.100	2.27	11.10	0.91
2.117	1.36	5.117	4.53	8.117	2.27	11.12	0.91
2.133	1.36	5.133	4.53	8.133	2.27	11.13	0.91
2.150	1.36	5.150	4.53	8.150	2.27	11.15	0.91
2.167	1.36	5.167	4.53	8.167	2.27	11.17	0.91
2.183	1.36	5.183	4.53	8.183	2.27	11.18	0.91
2.200	1.36	5.200	4.53	8.200	2.27	11.20	0.91
2.217	1.36	5.217	4.53	8.217	2.27	11.22	0.91
2.233	1.36	5.233	4.53	8.233	2.27	11.23	0.91
2.250	1.36	5.250	4.53	8.250	2.26	11.25	0.91
2.267	1.81	5.267	5.44	8.267	1.81	11.27	0.91
2.283	1.81	5.283	5.44	8.283	1.81	11.28	0.91
2.300	1.81	5.300	5.44	8.300	1.81	11.30	0.91
2.317	1.81	5.317	5.44	8.317	1.81	11.32	0.91
2.333	1.81	5.333	5.44	8.333	1.81	11.33	0.91
2.350	1.81	5.350	5.44	8.350	1.81	11.35	0.91
2.367	1.81	5.367	5.44	8.367	1.81	11.37	0.91
2.383	1.81	5.383	5.44	8.383	1.81	11.38	0.91
2.400	1.81	5.400	5.44	8.400	1.81	11.40	0.91
2.417	1.81	5.417	5.44	8.417	1.81	11.42	0.91
2.433	1.81	5.433	5.44	8.433	1.81	11.43	0.91
2.450	1.81	5.450	5.44	8.450	1.81	11.45	0.91
2.467	1.81	5.467	5.44	8.467	1.81	11.47	0.91
2.483	1.81	5.483	5.44	8.483	1.81	11.48	0.91
2.500	1.81	5.500	5.45	8.500	1.81	11.50	0.91
2.517	1.81	5.517	23.10	8.517	1.81	11.52	0.91
2.533	1.81	5.533	23.10	8.533	1.81	11.53	0.91
2.550	1.81	5.550	23.10	8.550	1.81	11.55	0.91
2.567	1.81	5.567	23.10	8.567	1.81	11.57	0.91
2.583	1.81	5.583	23.10	8.583	1.81	11.58	0.91
2.600	1.81	5.600	23.10	8.600	1.81	11.60	0.91
2.617	1.81	5.617	23.10	8.617	1.81	11.62	0.91
2.633	1.81	5.633	23.10	8.633	1.81	11.63	0.91
2.650	1.81	5.650	23.10	8.650	1.81	11.65	0.91
2.667	1.81	5.667	23.10	8.667	1.81	11.67	0.91
2.683	1.81	5.683	23.10	8.683	1.81	11.68	0.91
2.700	1.81	5.700	23.10	8.700	1.81	11.70	0.91
2.717	1.81	5.717	23.10	8.717	1.81	11.72	0.91
2.733	1.81	5.733	23.10	8.733	1.81	11.73	0.91
2.750	1.81	5.750	23.12	8.750	1.81	11.75	0.91

2.767	1.81	5.767	40.77	8.767	1.81	11.77	0.91
2.783	1.81	5.783	40.77	8.783	1.81	11.78	0.91
2.800	1.81	5.800	40.77	8.800	1.81	11.80	0.91
2.817	1.81	5.817	40.77	8.817	1.81	11.82	0.91
2.833	1.81	5.833	40.77	8.833	1.81	11.83	0.91
2.850	1.81	5.850	40.77	8.850	1.81	11.85	0.91
2.867	1.81	5.867	40.77	8.867	1.81	11.87	0.91
2.883	1.81	5.883	40.77	8.883	1.81	11.88	0.91
2.900	1.81	5.900	40.77	8.900	1.81	11.90	0.91
2.917	1.81	5.917	40.77	8.917	1.81	11.92	0.91
2.933	1.81	5.933	40.77	8.933	1.81	11.93	0.91
2.950	1.81	5.950	40.77	8.950	1.81	11.95	0.91
2.967	1.81	5.967	40.77	8.967	1.81	11.97	0.91
2.983	1.81	5.983	40.77	8.983	1.81	11.98	0.91
3.000	1.81	6.000	40.75	9.000	1.81	12.00	0.91

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.213 (i)
 TIME TO PEAK (hrs)= 6.467
 RUNOFF VOLUME (mm)= 8.393
 TOTAL RAINFALL (mm)= 45.186
 RUNOFF COEFFICIENT = 0.186

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0004):	33.05	0.213	6.82	5.65
+ ID2= 2 (0007):	15.86	0.213	6.47	8.39
=====				
ID = 3 (0006):	48.92	0.401	6.62	6.54

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:3.2 SCS II 12hr 5yr **

CALIB	Area (ha)=	33.05	Curve Number (CN)=	58.0
NASHYD (0004)	Ia (mm)=	10.00	# of Linear Res.(N)=	3.00
ID= 1 DT= 1.0 min	U.H. Tp(hrs)=	0.64		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.59	3.017	2.36	6.017	31.81	9.02	2.36
0.033	0.59	3.033	2.36	6.033	31.81	9.03	2.36
0.050	0.59	3.050	2.36	6.050	31.81	9.05	2.36
0.067	0.59	3.067	2.36	6.067	31.81	9.07	2.36
0.083	0.59	3.083	2.36	6.083	31.81	9.08	2.36
0.100	0.59	3.100	2.36	6.100	31.81	9.10	2.36
0.117	0.59	3.117	2.36	6.117	31.81	9.12	2.36
0.133	0.59	3.133	2.36	6.133	31.81	9.13	2.36
0.150	0.59	3.150	2.36	6.150	31.81	9.15	2.36
0.167	0.59	3.167	2.36	6.167	31.81	9.17	2.36
0.183	0.59	3.183	2.36	6.183	31.81	9.18	2.36
0.200	0.59	3.200	2.36	6.200	31.81	9.20	2.36
0.217	0.59	3.217	2.36	6.217	31.81	9.22	2.36
0.233	0.59	3.233	2.36	6.233	31.81	9.23	2.36
0.250	0.59	3.250	2.36	6.250	31.78	9.25	2.36
0.267	1.18	3.267	2.36	6.267	10.60	9.27	2.36
0.283	1.18	3.283	2.36	6.283	10.60	9.28	2.36
0.300	1.18	3.300	2.36	6.300	10.60	9.30	2.36
0.317	1.18	3.317	2.36	6.317	10.60	9.32	2.36
0.333	1.18	3.333	2.36	6.333	10.60	9.33	2.36
0.350	1.18	3.350	2.36	6.350	10.60	9.35	2.36
0.367	1.18	3.367	2.36	6.367	10.60	9.37	2.36
0.383	1.18	3.383	2.36	6.383	10.60	9.38	2.36
0.400	1.18	3.400	2.36	6.400	10.60	9.40	2.36
0.417	1.18	3.417	2.36	6.417	10.60	9.42	2.36
0.433	1.18	3.433	2.36	6.433	10.60	9.43	2.36
0.450	1.18	3.450	2.36	6.450	10.60	9.45	2.36
0.467	1.18	3.467	2.36	6.467	10.60	9.47	2.36
0.483	1.18	3.483	2.36	6.483	10.60	9.48	2.36
0.500	1.18	3.500	2.36	6.500	10.60	9.50	2.36

0.517	1.18	3.517	2.36	6.517	7.66	9.52	1.77
0.533	1.18	3.533	2.36	6.533	7.66	9.53	1.77
0.550	1.18	3.550	2.36	6.550	7.66	9.55	1.77
0.567	1.18	3.567	2.36	6.567	7.66	9.57	1.77
0.583	1.18	3.583	2.36	6.583	7.66	9.58	1.77
0.600	1.18	3.600	2.36	6.600	7.66	9.60	1.77
0.617	1.18	3.617	2.36	6.617	7.66	9.62	1.77
0.633	1.18	3.633	2.36	6.633	7.66	9.63	1.77
0.650	1.18	3.650	2.36	6.650	7.66	9.65	1.77
0.667	1.18	3.667	2.36	6.667	7.66	9.67	1.77
0.683	1.18	3.683	2.36	6.683	7.66	9.68	1.77
0.700	1.18	3.700	2.36	6.700	7.66	9.70	1.77
0.717	1.18	3.717	2.36	6.717	7.66	9.72	1.77
0.733	1.18	3.733	2.36	6.733	7.66	9.73	1.77
0.750	1.18	3.750	2.36	6.750	7.65	9.75	1.77
0.767	1.18	3.767	2.36	6.767	4.71	9.77	1.18
0.783	1.18	3.783	2.36	6.783	4.71	9.78	1.18
0.800	1.18	3.800	2.36	6.800	4.71	9.80	1.18
0.817	1.18	3.817	2.36	6.817	4.71	9.82	1.18
0.833	1.18	3.833	2.36	6.833	4.71	9.83	1.18
0.850	1.18	3.850	2.36	6.850	4.71	9.85	1.18
0.867	1.18	3.867	2.36	6.867	4.71	9.87	1.18
0.883	1.18	3.883	2.36	6.883	4.71	9.88	1.18
0.900	1.18	3.900	2.36	6.900	4.71	9.90	1.18
0.917	1.18	3.917	2.36	6.917	4.71	9.92	1.18
0.933	1.18	3.933	2.36	6.933	4.71	9.93	1.18
0.950	1.18	3.950	2.36	6.950	4.71	9.95	1.18
0.967	1.18	3.967	2.36	6.967	4.71	9.97	1.18
0.983	1.18	3.983	2.36	6.983	4.71	9.98	1.18
1.000	1.18	4.000	2.36	7.000	4.71	10.00	1.18
1.017	1.18	4.017	2.95	7.017	4.12	10.02	1.18
1.033	1.18	4.033	2.95	7.033	4.12	10.03	1.18
1.050	1.18	4.050	2.95	7.050	4.12	10.05	1.18
1.067	1.18	4.067	2.95	7.067	4.12	10.07	1.18
1.083	1.18	4.083	2.95	7.083	4.12	10.08	1.18
1.100	1.18	4.100	2.95	7.100	4.12	10.10	1.18
1.117	1.18	4.117	2.95	7.117	4.12	10.12	1.18
1.133	1.18	4.133	2.95	7.133	4.12	10.13	1.18
1.150	1.18	4.150	2.95	7.150	4.12	10.15	1.18
1.167	1.18	4.167	2.95	7.167	4.12	10.17	1.18
1.183	1.18	4.183	2.95	7.183	4.12	10.18	1.18
1.200	1.18	4.200	2.95	7.200	4.12	10.20	1.18
1.217	1.18	4.217	2.95	7.217	4.12	10.22	1.18
1.233	1.18	4.233	2.95	7.233	4.12	10.23	1.18
1.250	1.18	4.250	2.95	7.250	4.12	10.25	1.18
1.267	1.18	4.267	3.53	7.267	3.53	10.27	1.18
1.283	1.18	4.283	3.53	7.283	3.53	10.28	1.18
1.300	1.18	4.300	3.53	7.300	3.53	10.30	1.18
1.317	1.18	4.317	3.53	7.317	3.53	10.32	1.18
1.333	1.18	4.333	3.53	7.333	3.53	10.33	1.18
1.350	1.18	4.350	3.53	7.350	3.53	10.35	1.18
1.367	1.18	4.367	3.53	7.367	3.53	10.37	1.18
1.383	1.18	4.383	3.53	7.383	3.53	10.38	1.18
1.400	1.18	4.400	3.53	7.400	3.53	10.40	1.18
1.417	1.18	4.417	3.53	7.417	3.53	10.42	1.18
1.433	1.18	4.433	3.53	7.433	3.53	10.43	1.18
1.450	1.18	4.450	3.53	7.450	3.53	10.45	1.18
1.467	1.18	4.467	3.53	7.467	3.53	10.47	1.18
1.483	1.18	4.483	3.53	7.483	3.53	10.48	1.18
1.500	1.18	4.500	3.53	7.500	3.53	10.50	1.18
1.517	1.18	4.517	4.12	7.517	3.53	10.52	1.18
1.533	1.18	4.533	4.12	7.533	3.53	10.53	1.18
1.550	1.18	4.550	4.12	7.550	3.53	10.55	1.18
1.567	1.18	4.567	4.12	7.567	3.53	10.57	1.18
1.583	1.18	4.583	4.12	7.583	3.53	10.58	1.18
1.600	1.18	4.600	4.12	7.600	3.53	10.60	1.18
1.617	1.18	4.617	4.12	7.617	3.53	10.62	1.18
1.633	1.18	4.633	4.12	7.633	3.53	10.63	1.18
1.650	1.18	4.650	4.12	7.650	3.53	10.65	1.18
1.667	1.18	4.667	4.12	7.667	3.53	10.67	1.18
1.683	1.18	4.683	4.12	7.683	3.53	10.68	1.18
1.700	1.18	4.700	4.12	7.700	3.53	10.70	1.18
1.717	1.18	4.717	4.12	7.717	3.53	10.72	1.18
1.733	1.18	4.733	4.12	7.733	3.53	10.73	1.18
1.750	1.18	4.750	4.12	7.750	3.53	10.75	1.18
1.767	1.18	4.767	4.71	7.767	3.53	10.77	1.18
1.783	1.18	4.783	4.71	7.783	3.53	10.78	1.18
1.800	1.18	4.800	4.71	7.800	3.53	10.80	1.18
1.817	1.18	4.817	4.71	7.817	3.53	10.82	1.18
1.833	1.18	4.833	4.71	7.833	3.53	10.83	1.18
1.850	1.18	4.850	4.71	7.850	3.53	10.85	1.18
1.867	1.18	4.867	4.71	7.867	3.53	10.87	1.18
1.883	1.18	4.883	4.71	7.883	3.53	10.88	1.18
1.900	1.18	4.900	4.71	7.900	3.53	10.90	1.18

1.917	1.18	4.917	4.71	7.917	3.53	10.92	1.18
1.933	1.18	4.933	4.71	7.933	3.53	10.93	1.18
1.950	1.18	4.950	4.71	7.950	3.53	10.95	1.18
1.967	1.18	4.967	4.71	7.967	3.53	10.97	1.18
1.983	1.18	4.983	4.71	7.983	3.53	10.98	1.18
2.000	1.18	5.000	4.71	8.000	3.53	11.00	1.18
2.017	1.77	5.017	5.89	8.017	2.95	11.02	1.18
2.033	1.77	5.033	5.89	8.033	2.95	11.03	1.18
2.050	1.77	5.050	5.89	8.050	2.95	11.05	1.18
2.067	1.77	5.067	5.89	8.067	2.95	11.07	1.18
2.083	1.77	5.083	5.89	8.083	2.95	11.08	1.18
2.100	1.77	5.100	5.89	8.100	2.95	11.10	1.18
2.117	1.77	5.117	5.89	8.117	2.95	11.12	1.18
2.133	1.77	5.133	5.89	8.133	2.95	11.13	1.18
2.150	1.77	5.150	5.89	8.150	2.95	11.15	1.18
2.167	1.77	5.167	5.89	8.167	2.95	11.17	1.18
2.183	1.77	5.183	5.89	8.183	2.95	11.18	1.18
2.200	1.77	5.200	5.89	8.200	2.95	11.20	1.18
2.217	1.77	5.217	5.89	8.217	2.95	11.22	1.18
2.233	1.77	5.233	5.89	8.233	2.95	11.23	1.18
2.250	1.77	5.250	5.89	8.250	2.94	11.25	1.18
2.267	2.36	5.267	7.07	8.267	2.36	11.27	1.18
2.283	2.36	5.283	7.07	8.283	2.36	11.28	1.18
2.300	2.36	5.300	7.07	8.300	2.36	11.30	1.18
2.317	2.36	5.317	7.07	8.317	2.36	11.32	1.18
2.333	2.36	5.333	7.07	8.333	2.36	11.33	1.18
2.350	2.36	5.350	7.07	8.350	2.36	11.35	1.18
2.367	2.36	5.367	7.07	8.367	2.36	11.37	1.18
2.383	2.36	5.383	7.07	8.383	2.36	11.38	1.18
2.400	2.36	5.400	7.07	8.400	2.36	11.40	1.18
2.417	2.36	5.417	7.07	8.417	2.36	11.42	1.18
2.433	2.36	5.433	7.07	8.433	2.36	11.43	1.18
2.450	2.36	5.450	7.07	8.450	2.36	11.45	1.18
2.467	2.36	5.467	7.07	8.467	2.36	11.47	1.18
2.483	2.36	5.483	7.07	8.483	2.36	11.48	1.18
2.500	2.36	5.500	7.09	8.500	2.36	11.50	1.18
2.517	2.36	5.517	30.04	8.517	2.36	11.52	1.18
2.533	2.36	5.533	30.04	8.533	2.36	11.53	1.18
2.550	2.36	5.550	30.04	8.550	2.36	11.55	1.18
2.567	2.36	5.567	30.04	8.567	2.36	11.57	1.18
2.583	2.36	5.583	30.04	8.583	2.36	11.58	1.18
2.600	2.36	5.600	30.04	8.600	2.36	11.60	1.18
2.617	2.36	5.617	30.04	8.617	2.36	11.62	1.18
2.633	2.36	5.633	30.04	8.633	2.36	11.63	1.18
2.650	2.36	5.650	30.04	8.650	2.36	11.65	1.18
2.667	2.36	5.667	30.04	8.667	2.36	11.67	1.18
2.683	2.36	5.683	30.04	8.683	2.36	11.68	1.18
2.700	2.36	5.700	30.04	8.700	2.36	11.70	1.18
2.717	2.36	5.717	30.04	8.717	2.36	11.72	1.18
2.733	2.36	5.733	30.04	8.733	2.36	11.73	1.18
2.750	2.36	5.750	30.07	8.750	2.36	11.75	1.18
2.767	2.36	5.767	53.02	8.767	2.36	11.77	1.18
2.783	2.36	5.783	53.02	8.783	2.36	11.78	1.18
2.800	2.36	5.800	53.02	8.800	2.36	11.80	1.18
2.817	2.36	5.817	53.02	8.817	2.36	11.82	1.18
2.833	2.36	5.833	53.02	8.833	2.36	11.83	1.18
2.850	2.36	5.850	53.02	8.850	2.36	11.85	1.18
2.867	2.36	5.867	53.02	8.867	2.36	11.87	1.18
2.883	2.36	5.883	53.02	8.883	2.36	11.88	1.18
2.900	2.36	5.900	53.02	8.900	2.36	11.90	1.18
2.917	2.36	5.917	53.02	8.917	2.36	11.92	1.18
2.933	2.36	5.933	53.02	8.933	2.36	11.93	1.18
2.950	2.36	5.950	53.02	8.950	2.36	11.95	1.18
2.967	2.36	5.967	53.02	8.967	2.36	11.97	1.18
2.983	2.36	5.983	53.02	8.983	2.36	11.98	1.18
3.000	2.36	6.000	52.99	9.000	2.36	12.00	1.18

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.400 (i)
TIME TO PEAK (hrs)= 6.783
RUNOFF VOLUME (mm)= 10.219
TOTAL RAINFALL (mm)= 58.762
RUNOFF COEFFICIENT = 0.174

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB	Area (ha)= 15.86	Curve Number (CN)= 62.0
NASHYD (0007)	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00
ID= 1 DT= 1.0 min	U.H. Tp(hrs)= 0.40	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.59	3.017	2.36	6.017	31.81	9.02	2.36
0.033	0.59	3.033	2.36	6.033	31.81	9.03	2.36
0.050	0.59	3.050	2.36	6.050	31.81	9.05	2.36
0.067	0.59	3.067	2.36	6.067	31.81	9.07	2.36
0.083	0.59	3.083	2.36	6.083	31.81	9.08	2.36
0.100	0.59	3.100	2.36	6.100	31.81	9.10	2.36
0.117	0.59	3.117	2.36	6.117	31.81	9.12	2.36
0.133	0.59	3.133	2.36	6.133	31.81	9.13	2.36
0.150	0.59	3.150	2.36	6.150	31.81	9.15	2.36
0.167	0.59	3.167	2.36	6.167	31.81	9.17	2.36
0.183	0.59	3.183	2.36	6.183	31.81	9.18	2.36
0.200	0.59	3.200	2.36	6.200	31.81	9.20	2.36
0.217	0.59	3.217	2.36	6.217	31.81	9.22	2.36
0.233	0.59	3.233	2.36	6.233	31.81	9.23	2.36
0.250	0.59	3.250	2.36	6.250	31.78	9.25	2.36
0.267	1.18	3.267	2.36	6.267	10.60	9.27	2.36
0.283	1.18	3.283	2.36	6.283	10.60	9.28	2.36
0.300	1.18	3.300	2.36	6.300	10.60	9.30	2.36
0.317	1.18	3.317	2.36	6.317	10.60	9.32	2.36
0.333	1.18	3.333	2.36	6.333	10.60	9.33	2.36
0.350	1.18	3.350	2.36	6.350	10.60	9.35	2.36
0.367	1.18	3.367	2.36	6.367	10.60	9.37	2.36
0.383	1.18	3.383	2.36	6.383	10.60	9.38	2.36
0.400	1.18	3.400	2.36	6.400	10.60	9.40	2.36
0.417	1.18	3.417	2.36	6.417	10.60	9.42	2.36
0.433	1.18	3.433	2.36	6.433	10.60	9.43	2.36
0.450	1.18	3.450	2.36	6.450	10.60	9.45	2.36
0.467	1.18	3.467	2.36	6.467	10.60	9.47	2.36
0.483	1.18	3.483	2.36	6.483	10.60	9.48	2.36
0.500	1.18	3.500	2.36	6.500	10.60	9.50	2.36
0.517	1.18	3.517	2.36	6.517	7.66	9.52	1.77
0.533	1.18	3.533	2.36	6.533	7.66	9.53	1.77
0.550	1.18	3.550	2.36	6.550	7.66	9.55	1.77
0.567	1.18	3.567	2.36	6.567	7.66	9.57	1.77
0.583	1.18	3.583	2.36	6.583	7.66	9.58	1.77
0.600	1.18	3.600	2.36	6.600	7.66	9.60	1.77
0.617	1.18	3.617	2.36	6.617	7.66	9.62	1.77
0.633	1.18	3.633	2.36	6.633	7.66	9.63	1.77
0.650	1.18	3.650	2.36	6.650	7.66	9.65	1.77
0.667	1.18	3.667	2.36	6.667	7.66	9.67	1.77
0.683	1.18	3.683	2.36	6.683	7.66	9.68	1.77
0.700	1.18	3.700	2.36	6.700	7.66	9.70	1.77
0.717	1.18	3.717	2.36	6.717	7.66	9.72	1.77
0.733	1.18	3.733	2.36	6.733	7.66	9.73	1.77
0.750	1.18	3.750	2.36	6.750	7.65	9.75	1.77
0.767	1.18	3.767	2.36	6.767	4.71	9.77	1.18
0.783	1.18	3.783	2.36	6.783	4.71	9.78	1.18
0.800	1.18	3.800	2.36	6.800	4.71	9.80	1.18
0.817	1.18	3.817	2.36	6.817	4.71	9.82	1.18
0.833	1.18	3.833	2.36	6.833	4.71	9.83	1.18
0.850	1.18	3.850	2.36	6.850	4.71	9.85	1.18
0.867	1.18	3.867	2.36	6.867	4.71	9.87	1.18
0.883	1.18	3.883	2.36	6.883	4.71	9.88	1.18
0.900	1.18	3.900	2.36	6.900	4.71	9.90	1.18
0.917	1.18	3.917	2.36	6.917	4.71	9.92	1.18
0.933	1.18	3.933	2.36	6.933	4.71	9.93	1.18
0.950	1.18	3.950	2.36	6.950	4.71	9.95	1.18
0.967	1.18	3.967	2.36	6.967	4.71	9.97	1.18
0.983	1.18	3.983	2.36	6.983	4.71	9.98	1.18
1.000	1.18	4.000	2.36	7.000	4.71	10.00	1.18
1.017	1.18	4.017	2.95	7.017	4.12	10.02	1.18
1.033	1.18	4.033	2.95	7.033	4.12	10.03	1.18
1.050	1.18	4.050	2.95	7.050	4.12	10.05	1.18
1.067	1.18	4.067	2.95	7.067	4.12	10.07	1.18
1.083	1.18	4.083	2.95	7.083	4.12	10.08	1.18
1.100	1.18	4.100	2.95	7.100	4.12	10.10	1.18
1.117	1.18	4.117	2.95	7.117	4.12	10.12	1.18
1.133	1.18	4.133	2.95	7.133	4.12	10.13	1.18
1.150	1.18	4.150	2.95	7.150	4.12	10.15	1.18
1.167	1.18	4.167	2.95	7.167	4.12	10.17	1.18
1.183	1.18	4.183	2.95	7.183	4.12	10.18	1.18
1.200	1.18	4.200	2.95	7.200	4.12	10.20	1.18
1.217	1.18	4.217	2.95	7.217	4.12	10.22	1.18
1.233	1.18	4.233	2.95	7.233	4.12	10.23	1.18
1.250	1.18	4.250	2.95	7.250	4.12	10.25	1.18
1.267	1.18	4.267	3.53	7.267	3.53	10.27	1.18
1.283	1.18	4.283	3.53	7.283	3.53	10.28	1.18
1.300	1.18	4.300	3.53	7.300	3.53	10.30	1.18

1.317	1.18	4.317	3.53	7.317	3.53	10.32	1.18
1.333	1.18	4.333	3.53	7.333	3.53	10.33	1.18
1.350	1.18	4.350	3.53	7.350	3.53	10.35	1.18
1.367	1.18	4.367	3.53	7.367	3.53	10.37	1.18
1.383	1.18	4.383	3.53	7.383	3.53	10.38	1.18
1.400	1.18	4.400	3.53	7.400	3.53	10.40	1.18
1.417	1.18	4.417	3.53	7.417	3.53	10.42	1.18
1.433	1.18	4.433	3.53	7.433	3.53	10.43	1.18
1.450	1.18	4.450	3.53	7.450	3.53	10.45	1.18
1.467	1.18	4.467	3.53	7.467	3.53	10.47	1.18
1.483	1.18	4.483	3.53	7.483	3.53	10.48	1.18
1.500	1.18	4.500	3.53	7.500	3.53	10.50	1.18
1.517	1.18	4.517	4.12	7.517	3.53	10.52	1.18
1.533	1.18	4.533	4.12	7.533	3.53	10.53	1.18
1.550	1.18	4.550	4.12	7.550	3.53	10.55	1.18
1.567	1.18	4.567	4.12	7.567	3.53	10.57	1.18
1.583	1.18	4.583	4.12	7.583	3.53	10.58	1.18
1.600	1.18	4.600	4.12	7.600	3.53	10.60	1.18
1.617	1.18	4.617	4.12	7.617	3.53	10.62	1.18
1.633	1.18	4.633	4.12	7.633	3.53	10.63	1.18
1.650	1.18	4.650	4.12	7.650	3.53	10.65	1.18
1.667	1.18	4.667	4.12	7.667	3.53	10.67	1.18
1.683	1.18	4.683	4.12	7.683	3.53	10.68	1.18
1.700	1.18	4.700	4.12	7.700	3.53	10.70	1.18
1.717	1.18	4.717	4.12	7.717	3.53	10.72	1.18
1.733	1.18	4.733	4.12	7.733	3.53	10.73	1.18
1.750	1.18	4.750	4.12	7.750	3.53	10.75	1.18
1.767	1.18	4.767	4.71	7.767	3.53	10.77	1.18
1.783	1.18	4.783	4.71	7.783	3.53	10.78	1.18
1.800	1.18	4.800	4.71	7.800	3.53	10.80	1.18
1.817	1.18	4.817	4.71	7.817	3.53	10.82	1.18
1.833	1.18	4.833	4.71	7.833	3.53	10.83	1.18
1.850	1.18	4.850	4.71	7.850	3.53	10.85	1.18
1.867	1.18	4.867	4.71	7.867	3.53	10.87	1.18
1.883	1.18	4.883	4.71	7.883	3.53	10.88	1.18
1.900	1.18	4.900	4.71	7.900	3.53	10.90	1.18
1.917	1.18	4.917	4.71	7.917	3.53	10.92	1.18
1.933	1.18	4.933	4.71	7.933	3.53	10.93	1.18
1.950	1.18	4.950	4.71	7.950	3.53	10.95	1.18
1.967	1.18	4.967	4.71	7.967	3.53	10.97	1.18
1.983	1.18	4.983	4.71	7.983	3.53	10.98	1.18
2.000	1.18	5.000	4.71	8.000	3.53	11.00	1.18
2.017	1.77	5.017	5.89	8.017	2.95	11.02	1.18
2.033	1.77	5.033	5.89	8.033	2.95	11.03	1.18
2.050	1.77	5.050	5.89	8.050	2.95	11.05	1.18
2.067	1.77	5.067	5.89	8.067	2.95	11.07	1.18
2.083	1.77	5.083	5.89	8.083	2.95	11.08	1.18
2.100	1.77	5.100	5.89	8.100	2.95	11.10	1.18
2.117	1.77	5.117	5.89	8.117	2.95	11.12	1.18
2.133	1.77	5.133	5.89	8.133	2.95	11.13	1.18
2.150	1.77	5.150	5.89	8.150	2.95	11.15	1.18
2.167	1.77	5.167	5.89	8.167	2.95	11.17	1.18
2.183	1.77	5.183	5.89	8.183	2.95	11.18	1.18
2.200	1.77	5.200	5.89	8.200	2.95	11.20	1.18
2.217	1.77	5.217	5.89	8.217	2.95	11.22	1.18
2.233	1.77	5.233	5.89	8.233	2.95	11.23	1.18
2.250	1.77	5.250	5.89	8.250	2.94	11.25	1.18
2.267	2.36	5.267	7.07	8.267	2.36	11.27	1.18
2.283	2.36	5.283	7.07	8.283	2.36	11.28	1.18
2.300	2.36	5.300	7.07	8.300	2.36	11.30	1.18
2.317	2.36	5.317	7.07	8.317	2.36	11.32	1.18
2.333	2.36	5.333	7.07	8.333	2.36	11.33	1.18
2.350	2.36	5.350	7.07	8.350	2.36	11.35	1.18
2.367	2.36	5.367	7.07	8.367	2.36	11.37	1.18
2.383	2.36	5.383	7.07	8.383	2.36	11.38	1.18
2.400	2.36	5.400	7.07	8.400	2.36	11.40	1.18
2.417	2.36	5.417	7.07	8.417	2.36	11.42	1.18
2.433	2.36	5.433	7.07	8.433	2.36	11.43	1.18
2.450	2.36	5.450	7.07	8.450	2.36	11.45	1.18
2.467	2.36	5.467	7.07	8.467	2.36	11.47	1.18
2.483	2.36	5.483	7.07	8.483	2.36	11.48	1.18
2.500	2.36	5.500	7.09	8.500	2.36	11.50	1.18
2.517	2.36	5.517	30.04	8.517	2.36	11.52	1.18
2.533	2.36	5.533	30.04	8.533	2.36	11.53	1.18
2.550	2.36	5.550	30.04	8.550	2.36	11.55	1.18
2.567	2.36	5.567	30.04	8.567	2.36	11.57	1.18
2.583	2.36	5.583	30.04	8.583	2.36	11.58	1.18
2.600	2.36	5.600	30.04	8.600	2.36	11.60	1.18
2.617	2.36	5.617	30.04	8.617	2.36	11.62	1.18
2.633	2.36	5.633	30.04	8.633	2.36	11.63	1.18
2.650	2.36	5.650	30.04	8.650	2.36	11.65	1.18
2.667	2.36	5.667	30.04	8.667	2.36	11.67	1.18
2.683	2.36	5.683	30.04	8.683	2.36	11.68	1.18
2.700	2.36	5.700	30.04	8.700	2.36	11.70	1.18

2.717	2.36	5.717	30.04	8.717	2.36	11.72	1.18
2.733	2.36	5.733	30.04	8.733	2.36	11.73	1.18
2.750	2.36	5.750	30.07	8.750	2.36	11.75	1.18
2.767	2.36	5.767	53.02	8.767	2.36	11.77	1.18
2.783	2.36	5.783	53.02	8.783	2.36	11.78	1.18
2.800	2.36	5.800	53.02	8.800	2.36	11.80	1.18
2.817	2.36	5.817	53.02	8.817	2.36	11.82	1.18
2.833	2.36	5.833	53.02	8.833	2.36	11.83	1.18
2.850	2.36	5.850	53.02	8.850	2.36	11.85	1.18
2.867	2.36	5.867	53.02	8.867	2.36	11.87	1.18
2.883	2.36	5.883	53.02	8.883	2.36	11.88	1.18
2.900	2.36	5.900	53.02	8.900	2.36	11.90	1.18
2.917	2.36	5.917	53.02	8.917	2.36	11.92	1.18
2.933	2.36	5.933	53.02	8.933	2.36	11.93	1.18
2.950	2.36	5.950	53.02	8.950	2.36	11.95	1.18
2.967	2.36	5.967	53.02	8.967	2.36	11.97	1.18
2.983	2.36	5.983	53.02	8.983	2.36	11.98	1.18
3.000	2.36	6.000	52.99	9.000	2.36	12.00	1.18

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.360 (i)
TIME TO PEAK (hrs)= 6.450
RUNOFF VOLUME (mm)= 13.980
TOTAL RAINFALL (mm)= 58.762
RUNOFF COEFFICIENT = 0.238

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)		AREA		QPEAK		TPEAK		R.V.	
1	2 = 3	(ha)	(cms)	(hrs)		(mm)			
ID1= 1 (0004):		33.05	0.400	6.78		10.22			
+ ID2= 2 (0007):		15.86	0.360	6.45		13.98			
=====		=====		=====		=====		=====	
ID = 3 (0006):		48.92	0.720	6.60		11.44			

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:3.3 SCS II 12hr 10yr **

CALIB		Area		Curve Number	
NASHYD (0004)		(ha)=		(CN)=	
ID= 1 DT= 1.0 min		Ia (mm)=	10.00	# of Linear Res.(N)=	3.00
		U.H. Tp(hrs)=	0.64		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.68	3.017	2.71	6.017	36.54	9.02	2.71
0.033	0.68	3.033	2.71	6.033	36.54	9.03	2.71
0.050	0.68	3.050	2.71	6.050	36.54	9.05	2.71
0.067	0.68	3.067	2.71	6.067	36.54	9.07	2.71
0.083	0.68	3.083	2.71	6.083	36.54	9.08	2.71
0.100	0.68	3.100	2.71	6.100	36.54	9.10	2.71
0.117	0.68	3.117	2.71	6.117	36.54	9.12	2.71
0.133	0.68	3.133	2.71	6.133	36.54	9.13	2.71
0.150	0.68	3.150	2.71	6.150	36.54	9.15	2.71
0.167	0.68	3.167	2.71	6.167	36.54	9.17	2.71
0.183	0.68	3.183	2.71	6.183	36.54	9.18	2.71
0.200	0.68	3.200	2.71	6.200	36.54	9.20	2.71
0.217	0.68	3.217	2.71	6.217	36.54	9.22	2.71
0.233	0.68	3.233	2.71	6.233	36.54	9.23	2.71
0.250	0.68	3.250	2.71	6.250	36.50	9.25	2.71
0.267	1.35	3.267	2.71	6.267	12.18	9.27	2.71
0.283	1.35	3.283	2.71	6.283	12.18	9.28	2.71
0.300	1.35	3.300	2.71	6.300	12.18	9.30	2.71
0.317	1.35	3.317	2.71	6.317	12.18	9.32	2.71
0.333	1.35	3.333	2.71	6.333	12.18	9.33	2.71
0.350	1.35	3.350	2.71	6.350	12.18	9.35	2.71
0.367	1.35	3.367	2.71	6.367	12.18	9.37	2.71
0.383	1.35	3.383	2.71	6.383	12.18	9.38	2.71
0.400	1.35	3.400	2.71	6.400	12.18	9.40	2.71
0.417	1.35	3.417	2.71	6.417	12.18	9.42	2.71
0.433	1.35	3.433	2.71	6.433	12.18	9.43	2.71
0.450	1.35	3.450	2.71	6.450	12.18	9.45	2.71

0.467	1.35	3.467	2.71	6.467	12.18	9.47	2.71
0.483	1.35	3.483	2.71	6.483	12.18	9.48	2.71
0.500	1.35	3.500	2.71	6.500	12.17	9.50	2.71
0.517	1.35	3.517	2.71	6.517	8.80	9.52	2.03
0.533	1.35	3.533	2.71	6.533	8.80	9.53	2.03
0.550	1.35	3.550	2.71	6.550	8.80	9.55	2.03
0.567	1.35	3.567	2.71	6.567	8.80	9.57	2.03
0.583	1.35	3.583	2.71	6.583	8.80	9.58	2.03
0.600	1.35	3.600	2.71	6.600	8.80	9.60	2.03
0.617	1.35	3.617	2.71	6.617	8.80	9.62	2.03
0.633	1.35	3.633	2.71	6.633	8.80	9.63	2.03
0.650	1.35	3.650	2.71	6.650	8.80	9.65	2.03
0.667	1.35	3.667	2.71	6.667	8.80	9.67	2.03
0.683	1.35	3.683	2.71	6.683	8.80	9.68	2.03
0.700	1.35	3.700	2.71	6.700	8.80	9.70	2.03
0.717	1.35	3.717	2.71	6.717	8.80	9.72	2.03
0.733	1.35	3.733	2.71	6.733	8.80	9.73	2.03
0.750	1.35	3.750	2.71	6.750	8.79	9.75	2.03
0.767	1.35	3.767	2.71	6.767	5.41	9.77	1.35
0.783	1.35	3.783	2.71	6.783	5.41	9.78	1.35
0.800	1.35	3.800	2.71	6.800	5.41	9.80	1.35
0.817	1.35	3.817	2.71	6.817	5.41	9.82	1.35
0.833	1.35	3.833	2.71	6.833	5.41	9.83	1.35
0.850	1.35	3.850	2.71	6.850	5.41	9.85	1.35
0.867	1.35	3.867	2.71	6.867	5.41	9.87	1.35
0.883	1.35	3.883	2.71	6.883	5.41	9.88	1.35
0.900	1.35	3.900	2.71	6.900	5.41	9.90	1.35
0.917	1.35	3.917	2.71	6.917	5.41	9.92	1.35
0.933	1.35	3.933	2.71	6.933	5.41	9.93	1.35
0.950	1.35	3.950	2.71	6.950	5.41	9.95	1.35
0.967	1.35	3.967	2.71	6.967	5.41	9.97	1.35
0.983	1.35	3.983	2.71	6.983	5.41	9.98	1.35
1.000	1.35	4.000	2.71	7.000	5.41	10.00	1.35
1.017	1.35	4.017	3.38	7.017	4.74	10.02	1.35
1.033	1.35	4.033	3.38	7.033	4.74	10.03	1.35
1.050	1.35	4.050	3.38	7.050	4.74	10.05	1.35
1.067	1.35	4.067	3.38	7.067	4.74	10.07	1.35
1.083	1.35	4.083	3.38	7.083	4.74	10.08	1.35
1.100	1.35	4.100	3.38	7.100	4.74	10.10	1.35
1.117	1.35	4.117	3.38	7.117	4.74	10.12	1.35
1.133	1.35	4.133	3.38	7.133	4.74	10.13	1.35
1.150	1.35	4.150	3.38	7.150	4.74	10.15	1.35
1.167	1.35	4.167	3.38	7.167	4.74	10.17	1.35
1.183	1.35	4.183	3.38	7.183	4.74	10.18	1.35
1.200	1.35	4.200	3.38	7.200	4.74	10.20	1.35
1.217	1.35	4.217	3.38	7.217	4.74	10.22	1.35
1.233	1.35	4.233	3.38	7.233	4.74	10.23	1.35
1.250	1.35	4.250	3.38	7.250	4.74	10.25	1.35
1.267	1.35	4.267	4.06	7.267	4.06	10.27	1.35
1.283	1.35	4.283	4.06	7.283	4.06	10.28	1.35
1.300	1.35	4.300	4.06	7.300	4.06	10.30	1.35
1.317	1.35	4.317	4.06	7.317	4.06	10.32	1.35
1.333	1.35	4.333	4.06	7.333	4.06	10.33	1.35
1.350	1.35	4.350	4.06	7.350	4.06	10.35	1.35
1.367	1.35	4.367	4.06	7.367	4.06	10.37	1.35
1.383	1.35	4.383	4.06	7.383	4.06	10.38	1.35
1.400	1.35	4.400	4.06	7.400	4.06	10.40	1.35
1.417	1.35	4.417	4.06	7.417	4.06	10.42	1.35
1.433	1.35	4.433	4.06	7.433	4.06	10.43	1.35
1.450	1.35	4.450	4.06	7.450	4.06	10.45	1.35
1.467	1.35	4.467	4.06	7.467	4.06	10.47	1.35
1.483	1.35	4.483	4.06	7.483	4.06	10.48	1.35
1.500	1.35	4.500	4.06	7.500	4.06	10.50	1.35
1.517	1.35	4.517	4.74	7.517	4.06	10.52	1.35
1.533	1.35	4.533	4.74	7.533	4.06	10.53	1.35
1.550	1.35	4.550	4.74	7.550	4.06	10.55	1.35
1.567	1.35	4.567	4.74	7.567	4.06	10.57	1.35
1.583	1.35	4.583	4.74	7.583	4.06	10.58	1.35
1.600	1.35	4.600	4.74	7.600	4.06	10.60	1.35
1.617	1.35	4.617	4.74	7.617	4.06	10.62	1.35
1.633	1.35	4.633	4.74	7.633	4.06	10.63	1.35
1.650	1.35	4.650	4.74	7.650	4.06	10.65	1.35
1.667	1.35	4.667	4.74	7.667	4.06	10.67	1.35
1.683	1.35	4.683	4.74	7.683	4.06	10.68	1.35
1.700	1.35	4.700	4.74	7.700	4.06	10.70	1.35
1.717	1.35	4.717	4.74	7.717	4.06	10.72	1.35
1.733	1.35	4.733	4.74	7.733	4.06	10.73	1.35
1.750	1.35	4.750	4.74	7.750	4.06	10.75	1.35
1.767	1.35	4.767	5.41	7.767	4.06	10.77	1.35
1.783	1.35	4.783	5.41	7.783	4.06	10.78	1.35
1.800	1.35	4.800	5.41	7.800	4.06	10.80	1.35
1.817	1.35	4.817	5.41	7.817	4.06	10.82	1.35
1.833	1.35	4.833	5.41	7.833	4.06	10.83	1.35
1.850	1.35	4.850	5.41	7.850	4.06	10.85	1.35

1.867	1.35	4.867	5.41	7.867	4.06	10.87	1.35
1.883	1.35	4.883	5.41	7.883	4.06	10.88	1.35
1.900	1.35	4.900	5.41	7.900	4.06	10.90	1.35
1.917	1.35	4.917	5.41	7.917	4.06	10.92	1.35
1.933	1.35	4.933	5.41	7.933	4.06	10.93	1.35
1.950	1.35	4.950	5.41	7.950	4.06	10.95	1.35
1.967	1.35	4.967	5.41	7.967	4.06	10.97	1.35
1.983	1.35	4.983	5.41	7.983	4.06	10.98	1.35
2.000	1.35	5.000	5.41	8.000	4.06	11.00	1.35
2.017	2.03	5.017	6.77	8.017	3.38	11.02	1.35
2.033	2.03	5.033	6.77	8.033	3.38	11.03	1.35
2.050	2.03	5.050	6.77	8.050	3.38	11.05	1.35
2.067	2.03	5.067	6.77	8.067	3.38	11.07	1.35
2.083	2.03	5.083	6.77	8.083	3.38	11.08	1.35
2.100	2.03	5.100	6.77	8.100	3.38	11.10	1.35
2.117	2.03	5.117	6.77	8.117	3.38	11.12	1.35
2.133	2.03	5.133	6.77	8.133	3.38	11.13	1.35
2.150	2.03	5.150	6.77	8.150	3.38	11.15	1.35
2.167	2.03	5.167	6.77	8.167	3.38	11.17	1.35
2.183	2.03	5.183	6.77	8.183	3.38	11.18	1.35
2.200	2.03	5.200	6.77	8.200	3.38	11.20	1.35
2.217	2.03	5.217	6.77	8.217	3.38	11.22	1.35
2.233	2.03	5.233	6.77	8.233	3.38	11.23	1.35
2.250	2.03	5.250	6.77	8.250	3.38	11.25	1.35
2.267	2.71	5.267	8.12	8.267	2.71	11.27	1.35
2.283	2.71	5.283	8.12	8.283	2.71	11.28	1.35
2.300	2.71	5.300	8.12	8.300	2.71	11.30	1.35
2.317	2.71	5.317	8.12	8.317	2.71	11.32	1.35
2.333	2.71	5.333	8.12	8.333	2.71	11.33	1.35
2.350	2.71	5.350	8.12	8.350	2.71	11.35	1.35
2.367	2.71	5.367	8.12	8.367	2.71	11.37	1.35
2.383	2.71	5.383	8.12	8.383	2.71	11.38	1.35
2.400	2.71	5.400	8.12	8.400	2.71	11.40	1.35
2.417	2.71	5.417	8.12	8.417	2.71	11.42	1.35
2.433	2.71	5.433	8.12	8.433	2.71	11.43	1.35
2.450	2.71	5.450	8.12	8.450	2.71	11.45	1.35
2.467	2.71	5.467	8.12	8.467	2.71	11.47	1.35
2.483	2.71	5.483	8.12	8.483	2.71	11.48	1.35
2.500	2.71	5.500	8.15	8.500	2.71	11.50	1.35
2.517	2.71	5.517	34.51	8.517	2.71	11.52	1.35
2.533	2.71	5.533	34.51	8.533	2.71	11.53	1.35
2.550	2.71	5.550	34.51	8.550	2.71	11.55	1.35
2.567	2.71	5.567	34.51	8.567	2.71	11.57	1.35
2.583	2.71	5.583	34.51	8.583	2.71	11.58	1.35
2.600	2.71	5.600	34.51	8.600	2.71	11.60	1.35
2.617	2.71	5.617	34.51	8.617	2.71	11.62	1.35
2.633	2.71	5.633	34.51	8.633	2.71	11.63	1.35
2.650	2.71	5.650	34.51	8.650	2.71	11.65	1.35
2.667	2.71	5.667	34.51	8.667	2.71	11.67	1.35
2.683	2.71	5.683	34.51	8.683	2.71	11.68	1.35
2.700	2.71	5.700	34.51	8.700	2.71	11.70	1.35
2.717	2.71	5.717	34.51	8.717	2.71	11.72	1.35
2.733	2.71	5.733	34.51	8.733	2.71	11.73	1.35
2.750	2.71	5.750	34.54	8.750	2.71	11.75	1.35
2.767	2.71	5.767	60.90	8.767	2.71	11.77	1.35
2.783	2.71	5.783	60.90	8.783	2.71	11.78	1.35
2.800	2.71	5.800	60.90	8.800	2.71	11.80	1.35
2.817	2.71	5.817	60.90	8.817	2.71	11.82	1.35
2.833	2.71	5.833	60.90	8.833	2.71	11.83	1.35
2.850	2.71	5.850	60.90	8.850	2.71	11.85	1.35
2.867	2.71	5.867	60.90	8.867	2.71	11.87	1.35
2.883	2.71	5.883	60.90	8.883	2.71	11.88	1.35
2.900	2.71	5.900	60.90	8.900	2.71	11.90	1.35
2.917	2.71	5.917	60.90	8.917	2.71	11.92	1.35
2.933	2.71	5.933	60.90	8.933	2.71	11.93	1.35
2.950	2.71	5.950	60.90	8.950	2.71	11.95	1.35
2.967	2.71	5.967	60.90	8.967	2.71	11.97	1.35
2.983	2.71	5.983	60.90	8.983	2.71	11.98	1.35
3.000	2.71	6.000	60.87	9.000	2.71	12.00	1.35

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.543 (i)
TIME TO PEAK (hrs)= 6.767
RUNOFF VOLUME (mm)= 13.695
TOTAL RAINFALL (mm)= 67.500
RUNOFF COEFFICIENT = 0.203

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	

ID= 1 DT= 1.0 min | Ia (mm)= 4.60 # of Linear Res.(N)= 3.00
 ----- U.H. Tp(hrs)= 0.40

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.68	3.017	2.71	6.017	36.54	9.02	2.71
0.033	0.68	3.033	2.71	6.033	36.54	9.03	2.71
0.050	0.68	3.050	2.71	6.050	36.54	9.05	2.71
0.067	0.68	3.067	2.71	6.067	36.54	9.07	2.71
0.083	0.68	3.083	2.71	6.083	36.54	9.08	2.71
0.100	0.68	3.100	2.71	6.100	36.54	9.10	2.71
0.117	0.68	3.117	2.71	6.117	36.54	9.12	2.71
0.133	0.68	3.133	2.71	6.133	36.54	9.13	2.71
0.150	0.68	3.150	2.71	6.150	36.54	9.15	2.71
0.167	0.68	3.167	2.71	6.167	36.54	9.17	2.71
0.183	0.68	3.183	2.71	6.183	36.54	9.18	2.71
0.200	0.68	3.200	2.71	6.200	36.54	9.20	2.71
0.217	0.68	3.217	2.71	6.217	36.54	9.22	2.71
0.233	0.68	3.233	2.71	6.233	36.54	9.23	2.71
0.250	0.68	3.250	2.71	6.250	36.50	9.25	2.71
0.267	1.35	3.267	2.71	6.267	12.18	9.27	2.71
0.283	1.35	3.283	2.71	6.283	12.18	9.28	2.71
0.300	1.35	3.300	2.71	6.300	12.18	9.30	2.71
0.317	1.35	3.317	2.71	6.317	12.18	9.32	2.71
0.333	1.35	3.333	2.71	6.333	12.18	9.33	2.71
0.350	1.35	3.350	2.71	6.350	12.18	9.35	2.71
0.367	1.35	3.367	2.71	6.367	12.18	9.37	2.71
0.383	1.35	3.383	2.71	6.383	12.18	9.38	2.71
0.400	1.35	3.400	2.71	6.400	12.18	9.40	2.71
0.417	1.35	3.417	2.71	6.417	12.18	9.42	2.71
0.433	1.35	3.433	2.71	6.433	12.18	9.43	2.71
0.450	1.35	3.450	2.71	6.450	12.18	9.45	2.71
0.467	1.35	3.467	2.71	6.467	12.18	9.47	2.71
0.483	1.35	3.483	2.71	6.483	12.18	9.48	2.71
0.500	1.35	3.500	2.71	6.500	12.17	9.50	2.71
0.517	1.35	3.517	2.71	6.517	8.80	9.52	2.03
0.533	1.35	3.533	2.71	6.533	8.80	9.53	2.03
0.550	1.35	3.550	2.71	6.550	8.80	9.55	2.03
0.567	1.35	3.567	2.71	6.567	8.80	9.57	2.03
0.583	1.35	3.583	2.71	6.583	8.80	9.58	2.03
0.600	1.35	3.600	2.71	6.600	8.80	9.60	2.03
0.617	1.35	3.617	2.71	6.617	8.80	9.62	2.03
0.633	1.35	3.633	2.71	6.633	8.80	9.63	2.03
0.650	1.35	3.650	2.71	6.650	8.80	9.65	2.03
0.667	1.35	3.667	2.71	6.667	8.80	9.67	2.03
0.683	1.35	3.683	2.71	6.683	8.80	9.68	2.03
0.700	1.35	3.700	2.71	6.700	8.80	9.70	2.03
0.717	1.35	3.717	2.71	6.717	8.80	9.72	2.03
0.733	1.35	3.733	2.71	6.733	8.80	9.73	2.03
0.750	1.35	3.750	2.71	6.750	8.79	9.75	2.03
0.767	1.35	3.767	2.71	6.767	5.41	9.77	1.35
0.783	1.35	3.783	2.71	6.783	5.41	9.78	1.35
0.800	1.35	3.800	2.71	6.800	5.41	9.80	1.35
0.817	1.35	3.817	2.71	6.817	5.41	9.82	1.35
0.833	1.35	3.833	2.71	6.833	5.41	9.83	1.35
0.850	1.35	3.850	2.71	6.850	5.41	9.85	1.35
0.867	1.35	3.867	2.71	6.867	5.41	9.87	1.35
0.883	1.35	3.883	2.71	6.883	5.41	9.88	1.35
0.900	1.35	3.900	2.71	6.900	5.41	9.90	1.35
0.917	1.35	3.917	2.71	6.917	5.41	9.92	1.35
0.933	1.35	3.933	2.71	6.933	5.41	9.93	1.35
0.950	1.35	3.950	2.71	6.950	5.41	9.95	1.35
0.967	1.35	3.967	2.71	6.967	5.41	9.97	1.35
0.983	1.35	3.983	2.71	6.983	5.41	9.98	1.35
1.000	1.35	4.000	2.71	7.000	5.41	10.00	1.35
1.017	1.35	4.017	3.38	7.017	4.74	10.02	1.35
1.033	1.35	4.033	3.38	7.033	4.74	10.03	1.35
1.050	1.35	4.050	3.38	7.050	4.74	10.05	1.35
1.067	1.35	4.067	3.38	7.067	4.74	10.07	1.35
1.083	1.35	4.083	3.38	7.083	4.74	10.08	1.35
1.100	1.35	4.100	3.38	7.100	4.74	10.10	1.35
1.117	1.35	4.117	3.38	7.117	4.74	10.12	1.35
1.133	1.35	4.133	3.38	7.133	4.74	10.13	1.35
1.150	1.35	4.150	3.38	7.150	4.74	10.15	1.35
1.167	1.35	4.167	3.38	7.167	4.74	10.17	1.35
1.183	1.35	4.183	3.38	7.183	4.74	10.18	1.35
1.200	1.35	4.200	3.38	7.200	4.74	10.20	1.35
1.217	1.35	4.217	3.38	7.217	4.74	10.22	1.35
1.233	1.35	4.233	3.38	7.233	4.74	10.23	1.35
1.250	1.35	4.250	3.38	7.250	4.74	10.25	1.35

1.267	1.35	4.267	4.06	7.267	4.06	10.27	1.35
1.283	1.35	4.283	4.06	7.283	4.06	10.28	1.35
1.300	1.35	4.300	4.06	7.300	4.06	10.30	1.35
1.317	1.35	4.317	4.06	7.317	4.06	10.32	1.35
1.333	1.35	4.333	4.06	7.333	4.06	10.33	1.35
1.350	1.35	4.350	4.06	7.350	4.06	10.35	1.35
1.367	1.35	4.367	4.06	7.367	4.06	10.37	1.35
1.383	1.35	4.383	4.06	7.383	4.06	10.38	1.35
1.400	1.35	4.400	4.06	7.400	4.06	10.40	1.35
1.417	1.35	4.417	4.06	7.417	4.06	10.42	1.35
1.433	1.35	4.433	4.06	7.433	4.06	10.43	1.35
1.450	1.35	4.450	4.06	7.450	4.06	10.45	1.35
1.467	1.35	4.467	4.06	7.467	4.06	10.47	1.35
1.483	1.35	4.483	4.06	7.483	4.06	10.48	1.35
1.500	1.35	4.500	4.06	7.500	4.06	10.50	1.35
1.517	1.35	4.517	4.74	7.517	4.06	10.52	1.35
1.533	1.35	4.533	4.74	7.533	4.06	10.53	1.35
1.550	1.35	4.550	4.74	7.550	4.06	10.55	1.35
1.567	1.35	4.567	4.74	7.567	4.06	10.57	1.35
1.583	1.35	4.583	4.74	7.583	4.06	10.58	1.35
1.600	1.35	4.600	4.74	7.600	4.06	10.60	1.35
1.617	1.35	4.617	4.74	7.617	4.06	10.62	1.35
1.633	1.35	4.633	4.74	7.633	4.06	10.63	1.35
1.650	1.35	4.650	4.74	7.650	4.06	10.65	1.35
1.667	1.35	4.667	4.74	7.667	4.06	10.67	1.35
1.683	1.35	4.683	4.74	7.683	4.06	10.68	1.35
1.700	1.35	4.700	4.74	7.700	4.06	10.70	1.35
1.717	1.35	4.717	4.74	7.717	4.06	10.72	1.35
1.733	1.35	4.733	4.74	7.733	4.06	10.73	1.35
1.750	1.35	4.750	4.74	7.750	4.06	10.75	1.35
1.767	1.35	4.767	5.41	7.767	4.06	10.77	1.35
1.783	1.35	4.783	5.41	7.783	4.06	10.78	1.35
1.800	1.35	4.800	5.41	7.800	4.06	10.80	1.35
1.817	1.35	4.817	5.41	7.817	4.06	10.82	1.35
1.833	1.35	4.833	5.41	7.833	4.06	10.83	1.35
1.850	1.35	4.850	5.41	7.850	4.06	10.85	1.35
1.867	1.35	4.867	5.41	7.867	4.06	10.87	1.35
1.883	1.35	4.883	5.41	7.883	4.06	10.88	1.35
1.900	1.35	4.900	5.41	7.900	4.06	10.90	1.35
1.917	1.35	4.917	5.41	7.917	4.06	10.92	1.35
1.933	1.35	4.933	5.41	7.933	4.06	10.93	1.35
1.950	1.35	4.950	5.41	7.950	4.06	10.95	1.35
1.967	1.35	4.967	5.41	7.967	4.06	10.97	1.35
1.983	1.35	4.983	5.41	7.983	4.06	10.98	1.35
2.000	1.35	5.000	5.41	8.000	4.06	11.00	1.35
2.017	2.03	5.017	6.77	8.017	3.38	11.02	1.35
2.033	2.03	5.033	6.77	8.033	3.38	11.03	1.35
2.050	2.03	5.050	6.77	8.050	3.38	11.05	1.35
2.067	2.03	5.067	6.77	8.067	3.38	11.07	1.35
2.083	2.03	5.083	6.77	8.083	3.38	11.08	1.35
2.100	2.03	5.100	6.77	8.100	3.38	11.10	1.35
2.117	2.03	5.117	6.77	8.117	3.38	11.12	1.35
2.133	2.03	5.133	6.77	8.133	3.38	11.13	1.35
2.150	2.03	5.150	6.77	8.150	3.38	11.15	1.35
2.167	2.03	5.167	6.77	8.167	3.38	11.17	1.35
2.183	2.03	5.183	6.77	8.183	3.38	11.18	1.35
2.200	2.03	5.200	6.77	8.200	3.38	11.20	1.35
2.217	2.03	5.217	6.77	8.217	3.38	11.22	1.35
2.233	2.03	5.233	6.77	8.233	3.38	11.23	1.35
2.250	2.03	5.250	6.77	8.250	3.38	11.25	1.35
2.267	2.71	5.267	8.12	8.267	2.71	11.27	1.35
2.283	2.71	5.283	8.12	8.283	2.71	11.28	1.35
2.300	2.71	5.300	8.12	8.300	2.71	11.30	1.35
2.317	2.71	5.317	8.12	8.317	2.71	11.32	1.35
2.333	2.71	5.333	8.12	8.333	2.71	11.33	1.35
2.350	2.71	5.350	8.12	8.350	2.71	11.35	1.35
2.367	2.71	5.367	8.12	8.367	2.71	11.37	1.35
2.383	2.71	5.383	8.12	8.383	2.71	11.38	1.35
2.400	2.71	5.400	8.12	8.400	2.71	11.40	1.35
2.417	2.71	5.417	8.12	8.417	2.71	11.42	1.35
2.433	2.71	5.433	8.12	8.433	2.71	11.43	1.35
2.450	2.71	5.450	8.12	8.450	2.71	11.45	1.35
2.467	2.71	5.467	8.12	8.467	2.71	11.47	1.35
2.483	2.71	5.483	8.12	8.483	2.71	11.48	1.35
2.500	2.71	5.500	8.15	8.500	2.71	11.50	1.35
2.517	2.71	5.517	34.51	8.517	2.71	11.52	1.35
2.533	2.71	5.533	34.51	8.533	2.71	11.53	1.35
2.550	2.71	5.550	34.51	8.550	2.71	11.55	1.35
2.567	2.71	5.567	34.51	8.567	2.71	11.57	1.35
2.583	2.71	5.583	34.51	8.583	2.71	11.58	1.35
2.600	2.71	5.600	34.51	8.600	2.71	11.60	1.35
2.617	2.71	5.617	34.51	8.617	2.71	11.62	1.35
2.633	2.71	5.633	34.51	8.633	2.71	11.63	1.35
2.650	2.71	5.650	34.51	8.650	2.71	11.65	1.35

2.667	2.71	5.667	34.51	8.667	2.71	11.67	1.35
2.683	2.71	5.683	34.51	8.683	2.71	11.68	1.35
2.700	2.71	5.700	34.51	8.700	2.71	11.70	1.35
2.717	2.71	5.717	34.51	8.717	2.71	11.72	1.35
2.733	2.71	5.733	34.51	8.733	2.71	11.73	1.35
2.750	2.71	5.750	34.54	8.750	2.71	11.75	1.35
2.767	2.71	5.767	60.90	8.767	2.71	11.77	1.35
2.783	2.71	5.783	60.90	8.783	2.71	11.78	1.35
2.800	2.71	5.800	60.90	8.800	2.71	11.80	1.35
2.817	2.71	5.817	60.90	8.817	2.71	11.82	1.35
2.833	2.71	5.833	60.90	8.833	2.71	11.83	1.35
2.850	2.71	5.850	60.90	8.850	2.71	11.85	1.35
2.867	2.71	5.867	60.90	8.867	2.71	11.87	1.35
2.883	2.71	5.883	60.90	8.883	2.71	11.88	1.35
2.900	2.71	5.900	60.90	8.900	2.71	11.90	1.35
2.917	2.71	5.917	60.90	8.917	2.71	11.92	1.35
2.933	2.71	5.933	60.90	8.933	2.71	11.93	1.35
2.950	2.71	5.950	60.90	8.950	2.71	11.95	1.35
2.967	2.71	5.967	60.90	8.967	2.71	11.97	1.35
2.983	2.71	5.983	60.90	8.983	2.71	11.98	1.35
3.000	2.71	6.000	60.87	9.000	2.71	12.00	1.35

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.468 (i)
TIME TO PEAK (hrs)= 6.450
RUNOFF VOLUME (mm)= 18.101
TOTAL RAINFALL (mm)= 67.500
RUNOFF COEFFICIENT = 0.268

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1	2 = 3				
ID1= 1 (0004):		33.05	0.543	6.77	13.69
+ ID2= 2 (0007):		15.86	0.468	6.45	18.10
=====		=====			
ID = 3 (0006):		48.92	0.962	6.58	15.12

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:3.4 SCS II 12hr 25yr **

CALIB			
NASHYD (0004)	Area (ha)= 33.05	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.64		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.79	3.017	3.16	6.017	42.67	9.02	3.16
0.033	0.79	3.033	3.16	6.033	42.67	9.03	3.16
0.050	0.79	3.050	3.16	6.050	42.67	9.05	3.16
0.067	0.79	3.067	3.16	6.067	42.67	9.07	3.16
0.083	0.79	3.083	3.16	6.083	42.67	9.08	3.16
0.100	0.79	3.100	3.16	6.100	42.67	9.10	3.16
0.117	0.79	3.117	3.16	6.117	42.67	9.12	3.16
0.133	0.79	3.133	3.16	6.133	42.67	9.13	3.16
0.150	0.79	3.150	3.16	6.150	42.67	9.15	3.16
0.167	0.79	3.167	3.16	6.167	42.67	9.17	3.16
0.183	0.79	3.183	3.16	6.183	42.67	9.18	3.16
0.200	0.79	3.200	3.16	6.200	42.67	9.20	3.16
0.217	0.79	3.217	3.16	6.217	42.67	9.22	3.16
0.233	0.79	3.233	3.16	6.233	42.67	9.23	3.16
0.250	0.79	3.250	3.16	6.250	42.63	9.25	3.16
0.267	1.58	3.267	3.16	6.267	14.22	9.27	3.16
0.283	1.58	3.283	3.16	6.283	14.22	9.28	3.16
0.300	1.58	3.300	3.16	6.300	14.22	9.30	3.16
0.317	1.58	3.317	3.16	6.317	14.22	9.32	3.16
0.333	1.58	3.333	3.16	6.333	14.22	9.33	3.16
0.350	1.58	3.350	3.16	6.350	14.22	9.35	3.16
0.367	1.58	3.367	3.16	6.367	14.22	9.37	3.16
0.383	1.58	3.383	3.16	6.383	14.22	9.38	3.16
0.400	1.58	3.400	3.16	6.400	14.22	9.40	3.16

0.417	1.58	3.417	3.16	6.417	14.22	9.42	3.16
0.433	1.58	3.433	3.16	6.433	14.22	9.43	3.16
0.450	1.58	3.450	3.16	6.450	14.22	9.45	3.16
0.467	1.58	3.467	3.16	6.467	14.22	9.47	3.16
0.483	1.58	3.483	3.16	6.483	14.22	9.48	3.16
0.500	1.58	3.500	3.16	6.500	14.22	9.50	3.16
0.517	1.58	3.517	3.16	6.517	10.27	9.52	2.37
0.533	1.58	3.533	3.16	6.533	10.27	9.53	2.37
0.550	1.58	3.550	3.16	6.550	10.27	9.55	2.37
0.567	1.58	3.567	3.16	6.567	10.27	9.57	2.37
0.583	1.58	3.583	3.16	6.583	10.27	9.58	2.37
0.600	1.58	3.600	3.16	6.600	10.27	9.60	2.37
0.617	1.58	3.617	3.16	6.617	10.27	9.62	2.37
0.633	1.58	3.633	3.16	6.633	10.27	9.63	2.37
0.650	1.58	3.650	3.16	6.650	10.27	9.65	2.37
0.667	1.58	3.667	3.16	6.667	10.27	9.67	2.37
0.683	1.58	3.683	3.16	6.683	10.27	9.68	2.37
0.700	1.58	3.700	3.16	6.700	10.27	9.70	2.37
0.717	1.58	3.717	3.16	6.717	10.27	9.72	2.37
0.733	1.58	3.733	3.16	6.733	10.27	9.73	2.37
0.750	1.58	3.750	3.16	6.750	10.26	9.75	2.37
0.767	1.58	3.767	3.16	6.767	6.32	9.77	1.58
0.783	1.58	3.783	3.16	6.783	6.32	9.78	1.58
0.800	1.58	3.800	3.16	6.800	6.32	9.80	1.58
0.817	1.58	3.817	3.16	6.817	6.32	9.82	1.58
0.833	1.58	3.833	3.16	6.833	6.32	9.83	1.58
0.850	1.58	3.850	3.16	6.850	6.32	9.85	1.58
0.867	1.58	3.867	3.16	6.867	6.32	9.87	1.58
0.883	1.58	3.883	3.16	6.883	6.32	9.88	1.58
0.900	1.58	3.900	3.16	6.900	6.32	9.90	1.58
0.917	1.58	3.917	3.16	6.917	6.32	9.92	1.58
0.933	1.58	3.933	3.16	6.933	6.32	9.93	1.58
0.950	1.58	3.950	3.16	6.950	6.32	9.95	1.58
0.967	1.58	3.967	3.16	6.967	6.32	9.97	1.58
0.983	1.58	3.983	3.16	6.983	6.32	9.98	1.58
1.000	1.58	4.000	3.16	7.000	6.32	10.00	1.58
1.017	1.58	4.017	3.95	7.017	5.53	10.02	1.58
1.033	1.58	4.033	3.95	7.033	5.53	10.03	1.58
1.050	1.58	4.050	3.95	7.050	5.53	10.05	1.58
1.067	1.58	4.067	3.95	7.067	5.53	10.07	1.58
1.083	1.58	4.083	3.95	7.083	5.53	10.08	1.58
1.100	1.58	4.100	3.95	7.100	5.53	10.10	1.58
1.117	1.58	4.117	3.95	7.117	5.53	10.12	1.58
1.133	1.58	4.133	3.95	7.133	5.53	10.13	1.58
1.150	1.58	4.150	3.95	7.150	5.53	10.15	1.58
1.167	1.58	4.167	3.95	7.167	5.53	10.17	1.58
1.183	1.58	4.183	3.95	7.183	5.53	10.18	1.58
1.200	1.58	4.200	3.95	7.200	5.53	10.20	1.58
1.217	1.58	4.217	3.95	7.217	5.53	10.22	1.58
1.233	1.58	4.233	3.95	7.233	5.53	10.23	1.58
1.250	1.58	4.250	3.95	7.250	5.53	10.25	1.58
1.267	1.58	4.267	4.74	7.267	4.74	10.27	1.58
1.283	1.58	4.283	4.74	7.283	4.74	10.28	1.58
1.300	1.58	4.300	4.74	7.300	4.74	10.30	1.58
1.317	1.58	4.317	4.74	7.317	4.74	10.32	1.58
1.333	1.58	4.333	4.74	7.333	4.74	10.33	1.58
1.350	1.58	4.350	4.74	7.350	4.74	10.35	1.58
1.367	1.58	4.367	4.74	7.367	4.74	10.37	1.58
1.383	1.58	4.383	4.74	7.383	4.74	10.38	1.58
1.400	1.58	4.400	4.74	7.400	4.74	10.40	1.58
1.417	1.58	4.417	4.74	7.417	4.74	10.42	1.58
1.433	1.58	4.433	4.74	7.433	4.74	10.43	1.58
1.450	1.58	4.450	4.74	7.450	4.74	10.45	1.58
1.467	1.58	4.467	4.74	7.467	4.74	10.47	1.58
1.483	1.58	4.483	4.74	7.483	4.74	10.48	1.58
1.500	1.58	4.500	4.74	7.500	4.74	10.50	1.58
1.517	1.58	4.517	5.53	7.517	4.74	10.52	1.58
1.533	1.58	4.533	5.53	7.533	4.74	10.53	1.58
1.550	1.58	4.550	5.53	7.550	4.74	10.55	1.58
1.567	1.58	4.567	5.53	7.567	4.74	10.57	1.58
1.583	1.58	4.583	5.53	7.583	4.74	10.58	1.58
1.600	1.58	4.600	5.53	7.600	4.74	10.60	1.58
1.617	1.58	4.617	5.53	7.617	4.74	10.62	1.58
1.633	1.58	4.633	5.53	7.633	4.74	10.63	1.58
1.650	1.58	4.650	5.53	7.650	4.74	10.65	1.58
1.667	1.58	4.667	5.53	7.667	4.74	10.67	1.58
1.683	1.58	4.683	5.53	7.683	4.74	10.68	1.58
1.700	1.58	4.700	5.53	7.700	4.74	10.70	1.58
1.717	1.58	4.717	5.53	7.717	4.74	10.72	1.58
1.733	1.58	4.733	5.53	7.733	4.74	10.73	1.58
1.750	1.58	4.750	5.53	7.750	4.74	10.75	1.58
1.767	1.58	4.767	6.32	7.767	4.74	10.77	1.58
1.783	1.58	4.783	6.32	7.783	4.74	10.78	1.58
1.800	1.58	4.800	6.32	7.800	4.74	10.80	1.58

1.817	1.58	4.817	6.32	7.817	4.74	10.82	1.58
1.833	1.58	4.833	6.32	7.833	4.74	10.83	1.58
1.850	1.58	4.850	6.32	7.850	4.74	10.85	1.58
1.867	1.58	4.867	6.32	7.867	4.74	10.87	1.58
1.883	1.58	4.883	6.32	7.883	4.74	10.88	1.58
1.900	1.58	4.900	6.32	7.900	4.74	10.90	1.58
1.917	1.58	4.917	6.32	7.917	4.74	10.92	1.58
1.933	1.58	4.933	6.32	7.933	4.74	10.93	1.58
1.950	1.58	4.950	6.32	7.950	4.74	10.95	1.58
1.967	1.58	4.967	6.32	7.967	4.74	10.97	1.58
1.983	1.58	4.983	6.32	7.983	4.74	10.98	1.58
2.000	1.58	5.000	6.32	8.000	4.74	11.00	1.58
2.017	2.37	5.017	7.90	8.017	3.95	11.02	1.58
2.033	2.37	5.033	7.90	8.033	3.95	11.03	1.58
2.050	2.37	5.050	7.90	8.050	3.95	11.05	1.58
2.067	2.37	5.067	7.90	8.067	3.95	11.07	1.58
2.083	2.37	5.083	7.90	8.083	3.95	11.08	1.58
2.100	2.37	5.100	7.90	8.100	3.95	11.10	1.58
2.117	2.37	5.117	7.90	8.117	3.95	11.12	1.58
2.133	2.37	5.133	7.90	8.133	3.95	11.13	1.58
2.150	2.37	5.150	7.90	8.150	3.95	11.15	1.58
2.167	2.37	5.167	7.90	8.167	3.95	11.17	1.58
2.183	2.37	5.183	7.90	8.183	3.95	11.18	1.58
2.200	2.37	5.200	7.90	8.200	3.95	11.20	1.58
2.217	2.37	5.217	7.90	8.217	3.95	11.22	1.58
2.233	2.37	5.233	7.90	8.233	3.95	11.23	1.58
2.250	2.37	5.250	7.90	8.250	3.95	11.25	1.58
2.267	3.16	5.267	9.48	8.267	3.16	11.27	1.58
2.283	3.16	5.283	9.48	8.283	3.16	11.28	1.58
2.300	3.16	5.300	9.48	8.300	3.16	11.30	1.58
2.317	3.16	5.317	9.48	8.317	3.16	11.32	1.58
2.333	3.16	5.333	9.48	8.333	3.16	11.33	1.58
2.350	3.16	5.350	9.48	8.350	3.16	11.35	1.58
2.367	3.16	5.367	9.48	8.367	3.16	11.37	1.58
2.383	3.16	5.383	9.48	8.383	3.16	11.38	1.58
2.400	3.16	5.400	9.48	8.400	3.16	11.40	1.58
2.417	3.16	5.417	9.48	8.417	3.16	11.42	1.58
2.433	3.16	5.433	9.48	8.433	3.16	11.43	1.58
2.450	3.16	5.450	9.48	8.450	3.16	11.45	1.58
2.467	3.16	5.467	9.48	8.467	3.16	11.47	1.58
2.483	3.16	5.483	9.48	8.483	3.16	11.48	1.58
2.500	3.16	5.500	9.51	8.500	3.16	11.50	1.58
2.517	3.16	5.517	40.30	8.517	3.16	11.52	1.58
2.533	3.16	5.533	40.30	8.533	3.16	11.53	1.58
2.550	3.16	5.550	40.30	8.550	3.16	11.55	1.58
2.567	3.16	5.567	40.30	8.567	3.16	11.57	1.58
2.583	3.16	5.583	40.30	8.583	3.16	11.58	1.58
2.600	3.16	5.600	40.30	8.600	3.16	11.60	1.58
2.617	3.16	5.617	40.30	8.617	3.16	11.62	1.58
2.633	3.16	5.633	40.30	8.633	3.16	11.63	1.58
2.650	3.16	5.650	40.30	8.650	3.16	11.65	1.58
2.667	3.16	5.667	40.30	8.667	3.16	11.67	1.58
2.683	3.16	5.683	40.30	8.683	3.16	11.68	1.58
2.700	3.16	5.700	40.30	8.700	3.16	11.70	1.58
2.717	3.16	5.717	40.30	8.717	3.16	11.72	1.58
2.733	3.16	5.733	40.30	8.733	3.16	11.73	1.58
2.750	3.16	5.750	40.34	8.750	3.16	11.75	1.58
2.767	3.16	5.767	71.12	8.767	3.16	11.77	1.58
2.783	3.16	5.783	71.12	8.783	3.16	11.78	1.58
2.800	3.16	5.800	71.12	8.800	3.16	11.80	1.58
2.817	3.16	5.817	71.12	8.817	3.16	11.82	1.58
2.833	3.16	5.833	71.12	8.833	3.16	11.83	1.58
2.850	3.16	5.850	71.12	8.850	3.16	11.85	1.58
2.867	3.16	5.867	71.12	8.867	3.16	11.87	1.58
2.883	3.16	5.883	71.12	8.883	3.16	11.88	1.58
2.900	3.16	5.900	71.12	8.900	3.16	11.90	1.58
2.917	3.16	5.917	71.12	8.917	3.16	11.92	1.58
2.933	3.16	5.933	71.12	8.933	3.16	11.93	1.58
2.950	3.16	5.950	71.12	8.950	3.16	11.95	1.58
2.967	3.16	5.967	71.12	8.967	3.16	11.97	1.58
2.983	3.16	5.983	71.12	8.983	3.16	11.98	1.58
3.000	3.16	6.000	71.08	9.000	3.16	12.00	1.58

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.753 (i)
TIME TO PEAK (hrs)= 6.750
RUNOFF VOLUME (mm)= 18.740
TOTAL RAINFALL (mm)= 78.822
RUNOFF COEFFICIENT = 0.238

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
NASHYD (0007)
ID= 1 DT= 1.0 min

Area (ha)= 15.86 Curve Number (CN)= 62.0
Ia (mm)= 4.60 # of Linear Res.(N)= 3.00
U.H. Tp(hrs)= 0.40

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.79	3.017	3.16	6.017	42.67	9.02	3.16
0.033	0.79	3.033	3.16	6.033	42.67	9.03	3.16
0.050	0.79	3.050	3.16	6.050	42.67	9.05	3.16
0.067	0.79	3.067	3.16	6.067	42.67	9.07	3.16
0.083	0.79	3.083	3.16	6.083	42.67	9.08	3.16
0.100	0.79	3.100	3.16	6.100	42.67	9.10	3.16
0.117	0.79	3.117	3.16	6.117	42.67	9.12	3.16
0.133	0.79	3.133	3.16	6.133	42.67	9.13	3.16
0.150	0.79	3.150	3.16	6.150	42.67	9.15	3.16
0.167	0.79	3.167	3.16	6.167	42.67	9.17	3.16
0.183	0.79	3.183	3.16	6.183	42.67	9.18	3.16
0.200	0.79	3.200	3.16	6.200	42.67	9.20	3.16
0.217	0.79	3.217	3.16	6.217	42.67	9.22	3.16
0.233	0.79	3.233	3.16	6.233	42.67	9.23	3.16
0.250	0.79	3.250	3.16	6.250	42.63	9.25	3.16
0.267	1.58	3.267	3.16	6.267	14.22	9.27	3.16
0.283	1.58	3.283	3.16	6.283	14.22	9.28	3.16
0.300	1.58	3.300	3.16	6.300	14.22	9.30	3.16
0.317	1.58	3.317	3.16	6.317	14.22	9.32	3.16
0.333	1.58	3.333	3.16	6.333	14.22	9.33	3.16
0.350	1.58	3.350	3.16	6.350	14.22	9.35	3.16
0.367	1.58	3.367	3.16	6.367	14.22	9.37	3.16
0.383	1.58	3.383	3.16	6.383	14.22	9.38	3.16
0.400	1.58	3.400	3.16	6.400	14.22	9.40	3.16
0.417	1.58	3.417	3.16	6.417	14.22	9.42	3.16
0.433	1.58	3.433	3.16	6.433	14.22	9.43	3.16
0.450	1.58	3.450	3.16	6.450	14.22	9.45	3.16
0.467	1.58	3.467	3.16	6.467	14.22	9.47	3.16
0.483	1.58	3.483	3.16	6.483	14.22	9.48	3.16
0.500	1.58	3.500	3.16	6.500	14.22	9.50	3.16
0.517	1.58	3.517	3.16	6.517	10.27	9.52	2.37
0.533	1.58	3.533	3.16	6.533	10.27	9.53	2.37
0.550	1.58	3.550	3.16	6.550	10.27	9.55	2.37
0.567	1.58	3.567	3.16	6.567	10.27	9.57	2.37
0.583	1.58	3.583	3.16	6.583	10.27	9.58	2.37
0.600	1.58	3.600	3.16	6.600	10.27	9.60	2.37
0.617	1.58	3.617	3.16	6.617	10.27	9.62	2.37
0.633	1.58	3.633	3.16	6.633	10.27	9.63	2.37
0.650	1.58	3.650	3.16	6.650	10.27	9.65	2.37
0.667	1.58	3.667	3.16	6.667	10.27	9.67	2.37
0.683	1.58	3.683	3.16	6.683	10.27	9.68	2.37
0.700	1.58	3.700	3.16	6.700	10.27	9.70	2.37
0.717	1.58	3.717	3.16	6.717	10.27	9.72	2.37
0.733	1.58	3.733	3.16	6.733	10.27	9.73	2.37
0.750	1.58	3.750	3.16	6.750	10.26	9.75	2.37
0.767	1.58	3.767	3.16	6.767	6.32	9.77	1.58
0.783	1.58	3.783	3.16	6.783	6.32	9.78	1.58
0.800	1.58	3.800	3.16	6.800	6.32	9.80	1.58
0.817	1.58	3.817	3.16	6.817	6.32	9.82	1.58
0.833	1.58	3.833	3.16	6.833	6.32	9.83	1.58
0.850	1.58	3.850	3.16	6.850	6.32	9.85	1.58
0.867	1.58	3.867	3.16	6.867	6.32	9.87	1.58
0.883	1.58	3.883	3.16	6.883	6.32	9.88	1.58
0.900	1.58	3.900	3.16	6.900	6.32	9.90	1.58
0.917	1.58	3.917	3.16	6.917	6.32	9.92	1.58
0.933	1.58	3.933	3.16	6.933	6.32	9.93	1.58
0.950	1.58	3.950	3.16	6.950	6.32	9.95	1.58
0.967	1.58	3.967	3.16	6.967	6.32	9.97	1.58
0.983	1.58	3.983	3.16	6.983	6.32	9.98	1.58
1.000	1.58	4.000	3.16	7.000	6.32	10.00	1.58
1.017	1.58	4.017	3.95	7.017	5.53	10.02	1.58
1.033	1.58	4.033	3.95	7.033	5.53	10.03	1.58
1.050	1.58	4.050	3.95	7.050	5.53	10.05	1.58
1.067	1.58	4.067	3.95	7.067	5.53	10.07	1.58
1.083	1.58	4.083	3.95	7.083	5.53	10.08	1.58
1.100	1.58	4.100	3.95	7.100	5.53	10.10	1.58
1.117	1.58	4.117	3.95	7.117	5.53	10.12	1.58
1.133	1.58	4.133	3.95	7.133	5.53	10.13	1.58
1.150	1.58	4.150	3.95	7.150	5.53	10.15	1.58
1.167	1.58	4.167	3.95	7.167	5.53	10.17	1.58
1.183	1.58	4.183	3.95	7.183	5.53	10.18	1.58
1.200	1.58	4.200	3.95	7.200	5.53	10.20	1.58

1.217	1.58	4.217	3.95	7.217	5.53	10.22	1.58
1.233	1.58	4.233	3.95	7.233	5.53	10.23	1.58
1.250	1.58	4.250	3.95	7.250	5.53	10.25	1.58
1.267	1.58	4.267	4.74	7.267	4.74	10.27	1.58
1.283	1.58	4.283	4.74	7.283	4.74	10.28	1.58
1.300	1.58	4.300	4.74	7.300	4.74	10.30	1.58
1.317	1.58	4.317	4.74	7.317	4.74	10.32	1.58
1.333	1.58	4.333	4.74	7.333	4.74	10.33	1.58
1.350	1.58	4.350	4.74	7.350	4.74	10.35	1.58
1.367	1.58	4.367	4.74	7.367	4.74	10.37	1.58
1.383	1.58	4.383	4.74	7.383	4.74	10.38	1.58
1.400	1.58	4.400	4.74	7.400	4.74	10.40	1.58
1.417	1.58	4.417	4.74	7.417	4.74	10.42	1.58
1.433	1.58	4.433	4.74	7.433	4.74	10.43	1.58
1.450	1.58	4.450	4.74	7.450	4.74	10.45	1.58
1.467	1.58	4.467	4.74	7.467	4.74	10.47	1.58
1.483	1.58	4.483	4.74	7.483	4.74	10.48	1.58
1.500	1.58	4.500	4.74	7.500	4.74	10.50	1.58
1.517	1.58	4.517	5.53	7.517	4.74	10.52	1.58
1.533	1.58	4.533	5.53	7.533	4.74	10.53	1.58
1.550	1.58	4.550	5.53	7.550	4.74	10.55	1.58
1.567	1.58	4.567	5.53	7.567	4.74	10.57	1.58
1.583	1.58	4.583	5.53	7.583	4.74	10.58	1.58
1.600	1.58	4.600	5.53	7.600	4.74	10.60	1.58
1.617	1.58	4.617	5.53	7.617	4.74	10.62	1.58
1.633	1.58	4.633	5.53	7.633	4.74	10.63	1.58
1.650	1.58	4.650	5.53	7.650	4.74	10.65	1.58
1.667	1.58	4.667	5.53	7.667	4.74	10.67	1.58
1.683	1.58	4.683	5.53	7.683	4.74	10.68	1.58
1.700	1.58	4.700	5.53	7.700	4.74	10.70	1.58
1.717	1.58	4.717	5.53	7.717	4.74	10.72	1.58
1.733	1.58	4.733	5.53	7.733	4.74	10.73	1.58
1.750	1.58	4.750	5.53	7.750	4.74	10.75	1.58
1.767	1.58	4.767	6.32	7.767	4.74	10.77	1.58
1.783	1.58	4.783	6.32	7.783	4.74	10.78	1.58
1.800	1.58	4.800	6.32	7.800	4.74	10.80	1.58
1.817	1.58	4.817	6.32	7.817	4.74	10.82	1.58
1.833	1.58	4.833	6.32	7.833	4.74	10.83	1.58
1.850	1.58	4.850	6.32	7.850	4.74	10.85	1.58
1.867	1.58	4.867	6.32	7.867	4.74	10.87	1.58
1.883	1.58	4.883	6.32	7.883	4.74	10.88	1.58
1.900	1.58	4.900	6.32	7.900	4.74	10.90	1.58
1.917	1.58	4.917	6.32	7.917	4.74	10.92	1.58
1.933	1.58	4.933	6.32	7.933	4.74	10.93	1.58
1.950	1.58	4.950	6.32	7.950	4.74	10.95	1.58
1.967	1.58	4.967	6.32	7.967	4.74	10.97	1.58
1.983	1.58	4.983	6.32	7.983	4.74	10.98	1.58
2.000	1.58	5.000	6.32	8.000	4.74	11.00	1.58
2.017	2.37	5.017	7.90	8.017	3.95	11.02	1.58
2.033	2.37	5.033	7.90	8.033	3.95	11.03	1.58
2.050	2.37	5.050	7.90	8.050	3.95	11.05	1.58
2.067	2.37	5.067	7.90	8.067	3.95	11.07	1.58
2.083	2.37	5.083	7.90	8.083	3.95	11.08	1.58
2.100	2.37	5.100	7.90	8.100	3.95	11.10	1.58
2.117	2.37	5.117	7.90	8.117	3.95	11.12	1.58
2.133	2.37	5.133	7.90	8.133	3.95	11.13	1.58
2.150	2.37	5.150	7.90	8.150	3.95	11.15	1.58
2.167	2.37	5.167	7.90	8.167	3.95	11.17	1.58
2.183	2.37	5.183	7.90	8.183	3.95	11.18	1.58
2.200	2.37	5.200	7.90	8.200	3.95	11.20	1.58
2.217	2.37	5.217	7.90	8.217	3.95	11.22	1.58
2.233	2.37	5.233	7.90	8.233	3.95	11.23	1.58
2.250	2.37	5.250	7.90	8.250	3.95	11.25	1.58
2.267	3.16	5.267	9.48	8.267	3.16	11.27	1.58
2.283	3.16	5.283	9.48	8.283	3.16	11.28	1.58
2.300	3.16	5.300	9.48	8.300	3.16	11.30	1.58
2.317	3.16	5.317	9.48	8.317	3.16	11.32	1.58
2.333	3.16	5.333	9.48	8.333	3.16	11.33	1.58
2.350	3.16	5.350	9.48	8.350	3.16	11.35	1.58
2.367	3.16	5.367	9.48	8.367	3.16	11.37	1.58
2.383	3.16	5.383	9.48	8.383	3.16	11.38	1.58
2.400	3.16	5.400	9.48	8.400	3.16	11.40	1.58
2.417	3.16	5.417	9.48	8.417	3.16	11.42	1.58
2.433	3.16	5.433	9.48	8.433	3.16	11.43	1.58
2.450	3.16	5.450	9.48	8.450	3.16	11.45	1.58
2.467	3.16	5.467	9.48	8.467	3.16	11.47	1.58
2.483	3.16	5.483	9.48	8.483	3.16	11.48	1.58
2.500	3.16	5.500	9.51	8.500	3.16	11.50	1.58
2.517	3.16	5.517	40.30	8.517	3.16	11.52	1.58
2.533	3.16	5.533	40.30	8.533	3.16	11.53	1.58
2.550	3.16	5.550	40.30	8.550	3.16	11.55	1.58
2.567	3.16	5.567	40.30	8.567	3.16	11.57	1.58
2.583	3.16	5.583	40.30	8.583	3.16	11.58	1.58
2.600	3.16	5.600	40.30	8.600	3.16	11.60	1.58

2.617	3.16	5.617	40.30	8.617	3.16	11.62	1.58
2.633	3.16	5.633	40.30	8.633	3.16	11.63	1.58
2.650	3.16	5.650	40.30	8.650	3.16	11.65	1.58
2.667	3.16	5.667	40.30	8.667	3.16	11.67	1.58
2.683	3.16	5.683	40.30	8.683	3.16	11.68	1.58
2.700	3.16	5.700	40.30	8.700	3.16	11.70	1.58
2.717	3.16	5.717	40.30	8.717	3.16	11.72	1.58
2.733	3.16	5.733	40.30	8.733	3.16	11.73	1.58
2.750	3.16	5.750	40.34	8.750	3.16	11.75	1.58
2.767	3.16	5.767	71.12	8.767	3.16	11.77	1.58
2.783	3.16	5.783	71.12	8.783	3.16	11.78	1.58
2.800	3.16	5.800	71.12	8.800	3.16	11.80	1.58
2.817	3.16	5.817	71.12	8.817	3.16	11.82	1.58
2.833	3.16	5.833	71.12	8.833	3.16	11.83	1.58
2.850	3.16	5.850	71.12	8.850	3.16	11.85	1.58
2.867	3.16	5.867	71.12	8.867	3.16	11.87	1.58
2.883	3.16	5.883	71.12	8.883	3.16	11.88	1.58
2.900	3.16	5.900	71.12	8.900	3.16	11.90	1.58
2.917	3.16	5.917	71.12	8.917	3.16	11.92	1.58
2.933	3.16	5.933	71.12	8.933	3.16	11.93	1.58
2.950	3.16	5.950	71.12	8.950	3.16	11.95	1.58
2.967	3.16	5.967	71.12	8.967	3.16	11.97	1.58
2.983	3.16	5.983	71.12	8.983	3.16	11.98	1.58
3.000	3.16	6.000	71.08	9.000	3.16	12.00	1.58

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.624 (i)
TIME TO PEAK (hrs)= 6.450
RUNOFF VOLUME (mm)= 23.962
TOTAL RAINFALL (mm)= 78.822
RUNOFF COEFFICIENT = 0.304

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)					
1	+	2	=	3	
ID1= 1 (0004):				AREA (ha)	QPEAK (cms)
					TPEAK (hrs)
					R.V. (mm)
+ ID2= 2 (0007):				33.05	0.753
				15.86	0.624
ID = 3 (0006):				48.92	1.313
					6.58
					20.43

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:3.5 SCS II 12hr 50yr **

CALIB					
NASHYD (0004)		Area (ha)=	33.05	Curve Number (CN)=	58.0
ID= 1 DT= 1.0 min		Ia (mm)=	10.00	# of Linear Res.(N)=	3.00
		U.H. Tp(hrs)=	0.64		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.87	3.017	3.50	6.017	47.24	9.02	3.50
0.033	0.87	3.033	3.50	6.033	47.24	9.03	3.50
0.050	0.87	3.050	3.50	6.050	47.24	9.05	3.50
0.067	0.87	3.067	3.50	6.067	47.24	9.07	3.50
0.083	0.87	3.083	3.50	6.083	47.24	9.08	3.50
0.100	0.87	3.100	3.50	6.100	47.24	9.10	3.50
0.117	0.87	3.117	3.50	6.117	47.24	9.12	3.50
0.133	0.87	3.133	3.50	6.133	47.24	9.13	3.50
0.150	0.87	3.150	3.50	6.150	47.24	9.15	3.50
0.167	0.87	3.167	3.50	6.167	47.24	9.17	3.50
0.183	0.87	3.183	3.50	6.183	47.24	9.18	3.50
0.200	0.87	3.200	3.50	6.200	47.24	9.20	3.50
0.217	0.87	3.217	3.50	6.217	47.24	9.22	3.50
0.233	0.87	3.233	3.50	6.233	47.24	9.23	3.50
0.250	0.87	3.250	3.50	6.250	47.19	9.25	3.50
0.267	1.75	3.267	3.50	6.267	15.75	9.27	3.50
0.283	1.75	3.283	3.50	6.283	15.75	9.28	3.50
0.300	1.75	3.300	3.50	6.300	15.75	9.30	3.50
0.317	1.75	3.317	3.50	6.317	15.75	9.32	3.50
0.333	1.75	3.333	3.50	6.333	15.75	9.33	3.50
0.350	1.75	3.350	3.50	6.350	15.75	9.35	3.50

0.367	1.75	3.367	3.50	6.367	15.75	9.37	3.50
0.383	1.75	3.383	3.50	6.383	15.75	9.38	3.50
0.400	1.75	3.400	3.50	6.400	15.75	9.40	3.50
0.417	1.75	3.417	3.50	6.417	15.75	9.42	3.50
0.433	1.75	3.433	3.50	6.433	15.75	9.43	3.50
0.450	1.75	3.450	3.50	6.450	15.75	9.45	3.50
0.467	1.75	3.467	3.50	6.467	15.75	9.47	3.50
0.483	1.75	3.483	3.50	6.483	15.75	9.48	3.50
0.500	1.75	3.500	3.50	6.500	15.74	9.50	3.50
0.517	1.75	3.517	3.50	6.517	11.37	9.52	2.62
0.533	1.75	3.533	3.50	6.533	11.37	9.53	2.62
0.550	1.75	3.550	3.50	6.550	11.37	9.55	2.62
0.567	1.75	3.567	3.50	6.567	11.37	9.57	2.62
0.583	1.75	3.583	3.50	6.583	11.37	9.58	2.62
0.600	1.75	3.600	3.50	6.600	11.37	9.60	2.62
0.617	1.75	3.617	3.50	6.617	11.37	9.62	2.62
0.633	1.75	3.633	3.50	6.633	11.37	9.63	2.62
0.650	1.75	3.650	3.50	6.650	11.37	9.65	2.62
0.667	1.75	3.667	3.50	6.667	11.37	9.67	2.62
0.683	1.75	3.683	3.50	6.683	11.37	9.68	2.62
0.700	1.75	3.700	3.50	6.700	11.37	9.70	2.62
0.717	1.75	3.717	3.50	6.717	11.37	9.72	2.62
0.733	1.75	3.733	3.50	6.733	11.37	9.73	2.62
0.750	1.75	3.750	3.50	6.750	11.36	9.75	2.62
0.767	1.75	3.767	3.50	6.767	7.00	9.77	1.75
0.783	1.75	3.783	3.50	6.783	7.00	9.78	1.75
0.800	1.75	3.800	3.50	6.800	7.00	9.80	1.75
0.817	1.75	3.817	3.50	6.817	7.00	9.82	1.75
0.833	1.75	3.833	3.50	6.833	7.00	9.83	1.75
0.850	1.75	3.850	3.50	6.850	7.00	9.85	1.75
0.867	1.75	3.867	3.50	6.867	7.00	9.87	1.75
0.883	1.75	3.883	3.50	6.883	7.00	9.88	1.75
0.900	1.75	3.900	3.50	6.900	7.00	9.90	1.75
0.917	1.75	3.917	3.50	6.917	7.00	9.92	1.75
0.933	1.75	3.933	3.50	6.933	7.00	9.93	1.75
0.950	1.75	3.950	3.50	6.950	7.00	9.95	1.75
0.967	1.75	3.967	3.50	6.967	7.00	9.97	1.75
0.983	1.75	3.983	3.50	6.983	7.00	9.98	1.75
1.000	1.75	4.000	3.50	7.000	7.00	10.00	1.75
1.017	1.75	4.017	4.37	7.017	6.12	10.02	1.75
1.033	1.75	4.033	4.37	7.033	6.12	10.03	1.75
1.050	1.75	4.050	4.37	7.050	6.12	10.05	1.75
1.067	1.75	4.067	4.37	7.067	6.12	10.07	1.75
1.083	1.75	4.083	4.37	7.083	6.12	10.08	1.75
1.100	1.75	4.100	4.37	7.100	6.12	10.10	1.75
1.117	1.75	4.117	4.37	7.117	6.12	10.12	1.75
1.133	1.75	4.133	4.37	7.133	6.12	10.13	1.75
1.150	1.75	4.150	4.37	7.150	6.12	10.15	1.75
1.167	1.75	4.167	4.37	7.167	6.12	10.17	1.75
1.183	1.75	4.183	4.37	7.183	6.12	10.18	1.75
1.200	1.75	4.200	4.37	7.200	6.12	10.20	1.75
1.217	1.75	4.217	4.37	7.217	6.12	10.22	1.75
1.233	1.75	4.233	4.37	7.233	6.12	10.23	1.75
1.250	1.75	4.250	4.37	7.250	6.12	10.25	1.75
1.267	1.75	4.267	5.25	7.267	5.25	10.27	1.75
1.283	1.75	4.283	5.25	7.283	5.25	10.28	1.75
1.300	1.75	4.300	5.25	7.300	5.25	10.30	1.75
1.317	1.75	4.317	5.25	7.317	5.25	10.32	1.75
1.333	1.75	4.333	5.25	7.333	5.25	10.33	1.75
1.350	1.75	4.350	5.25	7.350	5.25	10.35	1.75
1.367	1.75	4.367	5.25	7.367	5.25	10.37	1.75
1.383	1.75	4.383	5.25	7.383	5.25	10.38	1.75
1.400	1.75	4.400	5.25	7.400	5.25	10.40	1.75
1.417	1.75	4.417	5.25	7.417	5.25	10.42	1.75
1.433	1.75	4.433	5.25	7.433	5.25	10.43	1.75
1.450	1.75	4.450	5.25	7.450	5.25	10.45	1.75
1.467	1.75	4.467	5.25	7.467	5.25	10.47	1.75
1.483	1.75	4.483	5.25	7.483	5.25	10.48	1.75
1.500	1.75	4.500	5.25	7.500	5.25	10.50	1.75
1.517	1.75	4.517	6.12	7.517	5.25	10.52	1.75
1.533	1.75	4.533	6.12	7.533	5.25	10.53	1.75
1.550	1.75	4.550	6.12	7.550	5.25	10.55	1.75
1.567	1.75	4.567	6.12	7.567	5.25	10.57	1.75
1.583	1.75	4.583	6.12	7.583	5.25	10.58	1.75
1.600	1.75	4.600	6.12	7.600	5.25	10.60	1.75
1.617	1.75	4.617	6.12	7.617	5.25	10.62	1.75
1.633	1.75	4.633	6.12	7.633	5.25	10.63	1.75
1.650	1.75	4.650	6.12	7.650	5.25	10.65	1.75
1.667	1.75	4.667	6.12	7.667	5.25	10.67	1.75
1.683	1.75	4.683	6.12	7.683	5.25	10.68	1.75
1.700	1.75	4.700	6.12	7.700	5.25	10.70	1.75
1.717	1.75	4.717	6.12	7.717	5.25	10.72	1.75
1.733	1.75	4.733	6.12	7.733	5.25	10.73	1.75
1.750	1.75	4.750	6.12	7.750	5.25	10.75	1.75

1.767	1.75	4.767	7.00	7.767	5.25	10.77	1.75
1.783	1.75	4.783	7.00	7.783	5.25	10.78	1.75
1.800	1.75	4.800	7.00	7.800	5.25	10.80	1.75
1.817	1.75	4.817	7.00	7.817	5.25	10.82	1.75
1.833	1.75	4.833	7.00	7.833	5.25	10.83	1.75
1.850	1.75	4.850	7.00	7.850	5.25	10.85	1.75
1.867	1.75	4.867	7.00	7.867	5.25	10.87	1.75
1.883	1.75	4.883	7.00	7.883	5.25	10.88	1.75
1.900	1.75	4.900	7.00	7.900	5.25	10.90	1.75
1.917	1.75	4.917	7.00	7.917	5.25	10.92	1.75
1.933	1.75	4.933	7.00	7.933	5.25	10.93	1.75
1.950	1.75	4.950	7.00	7.950	5.25	10.95	1.75
1.967	1.75	4.967	7.00	7.967	5.25	10.97	1.75
1.983	1.75	4.983	7.00	7.983	5.25	10.98	1.75
2.000	1.75	5.000	7.00	8.000	5.25	11.00	1.75
2.017	2.62	5.017	8.75	8.017	4.37	11.02	1.75
2.033	2.62	5.033	8.75	8.033	4.37	11.03	1.75
2.050	2.62	5.050	8.75	8.050	4.37	11.05	1.75
2.067	2.62	5.067	8.75	8.067	4.37	11.07	1.75
2.083	2.62	5.083	8.75	8.083	4.37	11.08	1.75
2.100	2.62	5.100	8.75	8.100	4.37	11.10	1.75
2.117	2.62	5.117	8.75	8.117	4.37	11.12	1.75
2.133	2.62	5.133	8.75	8.133	4.37	11.13	1.75
2.150	2.62	5.150	8.75	8.150	4.37	11.15	1.75
2.167	2.62	5.167	8.75	8.167	4.37	11.17	1.75
2.183	2.62	5.183	8.75	8.183	4.37	11.18	1.75
2.200	2.62	5.200	8.75	8.200	4.37	11.20	1.75
2.217	2.62	5.217	8.75	8.217	4.37	11.22	1.75
2.233	2.62	5.233	8.75	8.233	4.37	11.23	1.75
2.250	2.62	5.250	8.75	8.250	4.37	11.25	1.75
2.267	3.50	5.267	10.50	8.267	3.50	11.27	1.75
2.283	3.50	5.283	10.50	8.283	3.50	11.28	1.75
2.300	3.50	5.300	10.50	8.300	3.50	11.30	1.75
2.317	3.50	5.317	10.50	8.317	3.50	11.32	1.75
2.333	3.50	5.333	10.50	8.333	3.50	11.33	1.75
2.350	3.50	5.350	10.50	8.350	3.50	11.35	1.75
2.367	3.50	5.367	10.50	8.367	3.50	11.37	1.75
2.383	3.50	5.383	10.50	8.383	3.50	11.38	1.75
2.400	3.50	5.400	10.50	8.400	3.50	11.40	1.75
2.417	3.50	5.417	10.50	8.417	3.50	11.42	1.75
2.433	3.50	5.433	10.50	8.433	3.50	11.43	1.75
2.450	3.50	5.450	10.50	8.450	3.50	11.45	1.75
2.467	3.50	5.467	10.50	8.467	3.50	11.47	1.75
2.483	3.50	5.483	10.50	8.483	3.50	11.48	1.75
2.500	3.50	5.500	10.53	8.500	3.50	11.50	1.75
2.517	3.50	5.517	44.61	8.517	3.50	11.52	1.75
2.533	3.50	5.533	44.61	8.533	3.50	11.53	1.75
2.550	3.50	5.550	44.61	8.550	3.50	11.55	1.75
2.567	3.50	5.567	44.61	8.567	3.50	11.57	1.75
2.583	3.50	5.583	44.61	8.583	3.50	11.58	1.75
2.600	3.50	5.600	44.61	8.600	3.50	11.60	1.75
2.617	3.50	5.617	44.61	8.617	3.50	11.62	1.75
2.633	3.50	5.633	44.61	8.633	3.50	11.63	1.75
2.650	3.50	5.650	44.61	8.650	3.50	11.65	1.75
2.667	3.50	5.667	44.61	8.667	3.50	11.67	1.75
2.683	3.50	5.683	44.61	8.683	3.50	11.68	1.75
2.700	3.50	5.700	44.61	8.700	3.50	11.70	1.75
2.717	3.50	5.717	44.61	8.717	3.50	11.72	1.75
2.733	3.50	5.733	44.61	8.733	3.50	11.73	1.75
2.750	3.50	5.750	44.66	8.750	3.50	11.75	1.75
2.767	3.50	5.767	78.73	8.767	3.50	11.77	1.75
2.783	3.50	5.783	78.73	8.783	3.50	11.78	1.75
2.800	3.50	5.800	78.73	8.800	3.50	11.80	1.75
2.817	3.50	5.817	78.73	8.817	3.50	11.82	1.75
2.833	3.50	5.833	78.73	8.833	3.50	11.83	1.75
2.850	3.50	5.850	78.73	8.850	3.50	11.85	1.75
2.867	3.50	5.867	78.73	8.867	3.50	11.87	1.75
2.883	3.50	5.883	78.73	8.883	3.50	11.88	1.75
2.900	3.50	5.900	78.73	8.900	3.50	11.90	1.75
2.917	3.50	5.917	78.73	8.917	3.50	11.92	1.75
2.933	3.50	5.933	78.73	8.933	3.50	11.93	1.75
2.950	3.50	5.950	78.73	8.950	3.50	11.95	1.75
2.967	3.50	5.967	78.73	8.967	3.50	11.97	1.75
2.983	3.50	5.983	78.73	8.983	3.50	11.98	1.75
3.000	3.50	6.000	78.69	9.000	3.50	12.00	1.75

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.925 (i)

TIME TO PEAK (hrs)= 6.750

RUNOFF VOLUME (mm)= 22.854

TOTAL RAINFALL (mm)= 87.261

RUNOFF COEFFICIENT = 0.262

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.87	3.017	3.50	6.017	47.24	9.02	3.50
0.033	0.87	3.033	3.50	6.033	47.24	9.03	3.50
0.050	0.87	3.050	3.50	6.050	47.24	9.05	3.50
0.067	0.87	3.067	3.50	6.067	47.24	9.07	3.50
0.083	0.87	3.083	3.50	6.083	47.24	9.08	3.50
0.100	0.87	3.100	3.50	6.100	47.24	9.10	3.50
0.117	0.87	3.117	3.50	6.117	47.24	9.12	3.50
0.133	0.87	3.133	3.50	6.133	47.24	9.13	3.50
0.150	0.87	3.150	3.50	6.150	47.24	9.15	3.50
0.167	0.87	3.167	3.50	6.167	47.24	9.17	3.50
0.183	0.87	3.183	3.50	6.183	47.24	9.18	3.50
0.200	0.87	3.200	3.50	6.200	47.24	9.20	3.50
0.217	0.87	3.217	3.50	6.217	47.24	9.22	3.50
0.233	0.87	3.233	3.50	6.233	47.24	9.23	3.50
0.250	0.87	3.250	3.50	6.250	47.19	9.25	3.50
0.267	1.75	3.267	3.50	6.267	15.75	9.27	3.50
0.283	1.75	3.283	3.50	6.283	15.75	9.28	3.50
0.300	1.75	3.300	3.50	6.300	15.75	9.30	3.50
0.317	1.75	3.317	3.50	6.317	15.75	9.32	3.50
0.333	1.75	3.333	3.50	6.333	15.75	9.33	3.50
0.350	1.75	3.350	3.50	6.350	15.75	9.35	3.50
0.367	1.75	3.367	3.50	6.367	15.75	9.37	3.50
0.383	1.75	3.383	3.50	6.383	15.75	9.38	3.50
0.400	1.75	3.400	3.50	6.400	15.75	9.40	3.50
0.417	1.75	3.417	3.50	6.417	15.75	9.42	3.50
0.433	1.75	3.433	3.50	6.433	15.75	9.43	3.50
0.450	1.75	3.450	3.50	6.450	15.75	9.45	3.50
0.467	1.75	3.467	3.50	6.467	15.75	9.47	3.50
0.483	1.75	3.483	3.50	6.483	15.75	9.48	3.50
0.500	1.75	3.500	3.50	6.500	15.74	9.50	3.50
0.517	1.75	3.517	3.50	6.517	11.37	9.52	2.62
0.533	1.75	3.533	3.50	6.533	11.37	9.53	2.62
0.550	1.75	3.550	3.50	6.550	11.37	9.55	2.62
0.567	1.75	3.567	3.50	6.567	11.37	9.57	2.62
0.583	1.75	3.583	3.50	6.583	11.37	9.58	2.62
0.600	1.75	3.600	3.50	6.600	11.37	9.60	2.62
0.617	1.75	3.617	3.50	6.617	11.37	9.62	2.62
0.633	1.75	3.633	3.50	6.633	11.37	9.63	2.62
0.650	1.75	3.650	3.50	6.650	11.37	9.65	2.62
0.667	1.75	3.667	3.50	6.667	11.37	9.67	2.62
0.683	1.75	3.683	3.50	6.683	11.37	9.68	2.62
0.700	1.75	3.700	3.50	6.700	11.37	9.70	2.62
0.717	1.75	3.717	3.50	6.717	11.37	9.72	2.62
0.733	1.75	3.733	3.50	6.733	11.37	9.73	2.62
0.750	1.75	3.750	3.50	6.750	11.36	9.75	2.62
0.767	1.75	3.767	3.50	6.767	7.00	9.77	1.75
0.783	1.75	3.783	3.50	6.783	7.00	9.78	1.75
0.800	1.75	3.800	3.50	6.800	7.00	9.80	1.75
0.817	1.75	3.817	3.50	6.817	7.00	9.82	1.75
0.833	1.75	3.833	3.50	6.833	7.00	9.83	1.75
0.850	1.75	3.850	3.50	6.850	7.00	9.85	1.75
0.867	1.75	3.867	3.50	6.867	7.00	9.87	1.75
0.883	1.75	3.883	3.50	6.883	7.00	9.88	1.75
0.900	1.75	3.900	3.50	6.900	7.00	9.90	1.75
0.917	1.75	3.917	3.50	6.917	7.00	9.92	1.75
0.933	1.75	3.933	3.50	6.933	7.00	9.93	1.75
0.950	1.75	3.950	3.50	6.950	7.00	9.95	1.75
0.967	1.75	3.967	3.50	6.967	7.00	9.97	1.75
0.983	1.75	3.983	3.50	6.983	7.00	9.98	1.75
1.000	1.75	4.000	3.50	7.000	7.00	10.00	1.75
1.017	1.75	4.017	4.37	7.017	6.12	10.02	1.75
1.033	1.75	4.033	4.37	7.033	6.12	10.03	1.75
1.050	1.75	4.050	4.37	7.050	6.12	10.05	1.75
1.067	1.75	4.067	4.37	7.067	6.12	10.07	1.75
1.083	1.75	4.083	4.37	7.083	6.12	10.08	1.75
1.100	1.75	4.100	4.37	7.100	6.12	10.10	1.75
1.117	1.75	4.117	4.37	7.117	6.12	10.12	1.75
1.133	1.75	4.133	4.37	7.133	6.12	10.13	1.75
1.150	1.75	4.150	4.37	7.150	6.12	10.15	1.75

1.167	1.75	4.167	4.37	7.167	6.12	10.17	1.75
1.183	1.75	4.183	4.37	7.183	6.12	10.18	1.75
1.200	1.75	4.200	4.37	7.200	6.12	10.20	1.75
1.217	1.75	4.217	4.37	7.217	6.12	10.22	1.75
1.233	1.75	4.233	4.37	7.233	6.12	10.23	1.75
1.250	1.75	4.250	4.37	7.250	6.12	10.25	1.75
1.267	1.75	4.267	5.25	7.267	5.25	10.27	1.75
1.283	1.75	4.283	5.25	7.283	5.25	10.28	1.75
1.300	1.75	4.300	5.25	7.300	5.25	10.30	1.75
1.317	1.75	4.317	5.25	7.317	5.25	10.32	1.75
1.333	1.75	4.333	5.25	7.333	5.25	10.33	1.75
1.350	1.75	4.350	5.25	7.350	5.25	10.35	1.75
1.367	1.75	4.367	5.25	7.367	5.25	10.37	1.75
1.383	1.75	4.383	5.25	7.383	5.25	10.38	1.75
1.400	1.75	4.400	5.25	7.400	5.25	10.40	1.75
1.417	1.75	4.417	5.25	7.417	5.25	10.42	1.75
1.433	1.75	4.433	5.25	7.433	5.25	10.43	1.75
1.450	1.75	4.450	5.25	7.450	5.25	10.45	1.75
1.467	1.75	4.467	5.25	7.467	5.25	10.47	1.75
1.483	1.75	4.483	5.25	7.483	5.25	10.48	1.75
1.500	1.75	4.500	5.25	7.500	5.25	10.50	1.75
1.517	1.75	4.517	6.12	7.517	5.25	10.52	1.75
1.533	1.75	4.533	6.12	7.533	5.25	10.53	1.75
1.550	1.75	4.550	6.12	7.550	5.25	10.55	1.75
1.567	1.75	4.567	6.12	7.567	5.25	10.57	1.75
1.583	1.75	4.583	6.12	7.583	5.25	10.58	1.75
1.600	1.75	4.600	6.12	7.600	5.25	10.60	1.75
1.617	1.75	4.617	6.12	7.617	5.25	10.62	1.75
1.633	1.75	4.633	6.12	7.633	5.25	10.63	1.75
1.650	1.75	4.650	6.12	7.650	5.25	10.65	1.75
1.667	1.75	4.667	6.12	7.667	5.25	10.67	1.75
1.683	1.75	4.683	6.12	7.683	5.25	10.68	1.75
1.700	1.75	4.700	6.12	7.700	5.25	10.70	1.75
1.717	1.75	4.717	6.12	7.717	5.25	10.72	1.75
1.733	1.75	4.733	6.12	7.733	5.25	10.73	1.75
1.750	1.75	4.750	6.12	7.750	5.25	10.75	1.75
1.767	1.75	4.767	7.00	7.767	5.25	10.77	1.75
1.783	1.75	4.783	7.00	7.783	5.25	10.78	1.75
1.800	1.75	4.800	7.00	7.800	5.25	10.80	1.75
1.817	1.75	4.817	7.00	7.817	5.25	10.82	1.75
1.833	1.75	4.833	7.00	7.833	5.25	10.83	1.75
1.850	1.75	4.850	7.00	7.850	5.25	10.85	1.75
1.867	1.75	4.867	7.00	7.867	5.25	10.87	1.75
1.883	1.75	4.883	7.00	7.883	5.25	10.88	1.75
1.900	1.75	4.900	7.00	7.900	5.25	10.90	1.75
1.917	1.75	4.917	7.00	7.917	5.25	10.92	1.75
1.933	1.75	4.933	7.00	7.933	5.25	10.93	1.75
1.950	1.75	4.950	7.00	7.950	5.25	10.95	1.75
1.967	1.75	4.967	7.00	7.967	5.25	10.97	1.75
1.983	1.75	4.983	7.00	7.983	5.25	10.98	1.75
2.000	1.75	5.000	7.00	8.000	5.25	11.00	1.75
2.017	2.62	5.017	8.75	8.017	4.37	11.02	1.75
2.033	2.62	5.033	8.75	8.033	4.37	11.03	1.75
2.050	2.62	5.050	8.75	8.050	4.37	11.05	1.75
2.067	2.62	5.067	8.75	8.067	4.37	11.07	1.75
2.083	2.62	5.083	8.75	8.083	4.37	11.08	1.75
2.100	2.62	5.100	8.75	8.100	4.37	11.10	1.75
2.117	2.62	5.117	8.75	8.117	4.37	11.12	1.75
2.133	2.62	5.133	8.75	8.133	4.37	11.13	1.75
2.150	2.62	5.150	8.75	8.150	4.37	11.15	1.75
2.167	2.62	5.167	8.75	8.167	4.37	11.17	1.75
2.183	2.62	5.183	8.75	8.183	4.37	11.18	1.75
2.200	2.62	5.200	8.75	8.200	4.37	11.20	1.75
2.217	2.62	5.217	8.75	8.217	4.37	11.22	1.75
2.233	2.62	5.233	8.75	8.233	4.37	11.23	1.75
2.250	2.62	5.250	8.75	8.250	4.37	11.25	1.75
2.267	3.50	5.267	10.50	8.267	3.50	11.27	1.75
2.283	3.50	5.283	10.50	8.283	3.50	11.28	1.75
2.300	3.50	5.300	10.50	8.300	3.50	11.30	1.75
2.317	3.50	5.317	10.50	8.317	3.50	11.32	1.75
2.333	3.50	5.333	10.50	8.333	3.50	11.33	1.75
2.350	3.50	5.350	10.50	8.350	3.50	11.35	1.75
2.367	3.50	5.367	10.50	8.367	3.50	11.37	1.75
2.383	3.50	5.383	10.50	8.383	3.50	11.38	1.75
2.400	3.50	5.400	10.50	8.400	3.50	11.40	1.75
2.417	3.50	5.417	10.50	8.417	3.50	11.42	1.75
2.433	3.50	5.433	10.50	8.433	3.50	11.43	1.75
2.450	3.50	5.450	10.50	8.450	3.50	11.45	1.75
2.467	3.50	5.467	10.50	8.467	3.50	11.47	1.75
2.483	3.50	5.483	10.50	8.483	3.50	11.48	1.75
2.500	3.50	5.500	10.53	8.500	3.50	11.50	1.75
2.517	3.50	5.517	44.61	8.517	3.50	11.52	1.75
2.533	3.50	5.533	44.61	8.533	3.50	11.53	1.75
2.550	3.50	5.550	44.61	8.550	3.50	11.55	1.75

2.567	3.50	5.567	44.61	8.567	3.50	11.57	1.75
2.583	3.50	5.583	44.61	8.583	3.50	11.58	1.75
2.600	3.50	5.600	44.61	8.600	3.50	11.60	1.75
2.617	3.50	5.617	44.61	8.617	3.50	11.62	1.75
2.633	3.50	5.633	44.61	8.633	3.50	11.63	1.75
2.650	3.50	5.650	44.61	8.650	3.50	11.65	1.75
2.667	3.50	5.667	44.61	8.667	3.50	11.67	1.75
2.683	3.50	5.683	44.61	8.683	3.50	11.68	1.75
2.700	3.50	5.700	44.61	8.700	3.50	11.70	1.75
2.717	3.50	5.717	44.61	8.717	3.50	11.72	1.75
2.733	3.50	5.733	44.61	8.733	3.50	11.73	1.75
2.750	3.50	5.750	44.66	8.750	3.50	11.75	1.75
2.767	3.50	5.767	78.73	8.767	3.50	11.77	1.75
2.783	3.50	5.783	78.73	8.783	3.50	11.78	1.75
2.800	3.50	5.800	78.73	8.800	3.50	11.80	1.75
2.817	3.50	5.817	78.73	8.817	3.50	11.82	1.75
2.833	3.50	5.833	78.73	8.833	3.50	11.83	1.75
2.850	3.50	5.850	78.73	8.850	3.50	11.85	1.75
2.867	3.50	5.867	78.73	8.867	3.50	11.87	1.75
2.883	3.50	5.883	78.73	8.883	3.50	11.88	1.75
2.900	3.50	5.900	78.73	8.900	3.50	11.90	1.75
2.917	3.50	5.917	78.73	8.917	3.50	11.92	1.75
2.933	3.50	5.933	78.73	8.933	3.50	11.93	1.75
2.950	3.50	5.950	78.73	8.950	3.50	11.95	1.75
2.967	3.50	5.967	78.73	8.967	3.50	11.97	1.75
2.983	3.50	5.983	78.73	8.983	3.50	11.98	1.75
3.000	3.50	6.000	78.69	9.000	3.50	12.00	1.75

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.749 (i)
TIME TO PEAK (hrs)= 6.433
RUNOFF VOLUME (mm)= 28.668
TOTAL RAINFALL (mm)= 87.261
RUNOFF COEFFICIENT = 0.329

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)		AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3		(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0004):		33.05	0.925	6.75	22.85
+ ID2= 2 (0007):		15.86	0.749	6.43	28.67
=====		=====			
ID = 3 (0006):		48.92	1.598	6.58	24.74

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:3.6 SCS II 12hr 100yr **

CALIB			
NASHYD (0004)	Area (ha)=	33.05	Curve Number (CN)= 58.0
ID= 1 DT= 1.0 min	Ia (mm)=	10.00	# of Linear Res.(N)= 3.00
	U.H. Tp(hrs)=	0.64	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.96	3.017	3.83	6.017	51.68	9.02	3.83
0.033	0.96	3.033	3.83	6.033	51.68	9.03	3.83
0.050	0.96	3.050	3.83	6.050	51.68	9.05	3.83
0.067	0.96	3.067	3.83	6.067	51.68	9.07	3.83
0.083	0.96	3.083	3.83	6.083	51.68	9.08	3.83
0.100	0.96	3.100	3.83	6.100	51.68	9.10	3.83
0.117	0.96	3.117	3.83	6.117	51.68	9.12	3.83
0.133	0.96	3.133	3.83	6.133	51.68	9.13	3.83
0.150	0.96	3.150	3.83	6.150	51.68	9.15	3.83
0.167	0.96	3.167	3.83	6.167	51.68	9.17	3.83
0.183	0.96	3.183	3.83	6.183	51.68	9.18	3.83
0.200	0.96	3.200	3.83	6.200	51.68	9.20	3.83
0.217	0.96	3.217	3.83	6.217	51.68	9.22	3.83
0.233	0.96	3.233	3.83	6.233	51.68	9.23	3.83
0.250	0.96	3.250	3.83	6.250	51.63	9.25	3.83
0.267	1.91	3.267	3.83	6.267	17.23	9.27	3.83
0.283	1.91	3.283	3.83	6.283	17.23	9.28	3.83
0.300	1.91	3.300	3.83	6.300	17.23	9.30	3.83

0.317	1.91	3.317	3.83	6.317	17.23	9.32	3.83
0.333	1.91	3.333	3.83	6.333	17.23	9.33	3.83
0.350	1.91	3.350	3.83	6.350	17.23	9.35	3.83
0.367	1.91	3.367	3.83	6.367	17.23	9.37	3.83
0.383	1.91	3.383	3.83	6.383	17.23	9.38	3.83
0.400	1.91	3.400	3.83	6.400	17.23	9.40	3.83
0.417	1.91	3.417	3.83	6.417	17.23	9.42	3.83
0.433	1.91	3.433	3.83	6.433	17.23	9.43	3.83
0.450	1.91	3.450	3.83	6.450	17.23	9.45	3.83
0.467	1.91	3.467	3.83	6.467	17.23	9.47	3.83
0.483	1.91	3.483	3.83	6.483	17.23	9.48	3.83
0.500	1.91	3.500	3.83	6.500	17.22	9.50	3.83
0.517	1.91	3.517	3.83	6.517	12.44	9.52	2.87
0.533	1.91	3.533	3.83	6.533	12.44	9.53	2.87
0.550	1.91	3.550	3.83	6.550	12.44	9.55	2.87
0.567	1.91	3.567	3.83	6.567	12.44	9.57	2.87
0.583	1.91	3.583	3.83	6.583	12.44	9.58	2.87
0.600	1.91	3.600	3.83	6.600	12.44	9.60	2.87
0.617	1.91	3.617	3.83	6.617	12.44	9.62	2.87
0.633	1.91	3.633	3.83	6.633	12.44	9.63	2.87
0.650	1.91	3.650	3.83	6.650	12.44	9.65	2.87
0.667	1.91	3.667	3.83	6.667	12.44	9.67	2.87
0.683	1.91	3.683	3.83	6.683	12.44	9.68	2.87
0.700	1.91	3.700	3.83	6.700	12.44	9.70	2.87
0.717	1.91	3.717	3.83	6.717	12.44	9.72	2.87
0.733	1.91	3.733	3.83	6.733	12.44	9.73	2.87
0.750	1.91	3.750	3.83	6.750	12.43	9.75	2.87
0.767	1.91	3.767	3.83	6.767	7.66	9.77	1.91
0.783	1.91	3.783	3.83	6.783	7.66	9.78	1.91
0.800	1.91	3.800	3.83	6.800	7.66	9.80	1.91
0.817	1.91	3.817	3.83	6.817	7.66	9.82	1.91
0.833	1.91	3.833	3.83	6.833	7.66	9.83	1.91
0.850	1.91	3.850	3.83	6.850	7.66	9.85	1.91
0.867	1.91	3.867	3.83	6.867	7.66	9.87	1.91
0.883	1.91	3.883	3.83	6.883	7.66	9.88	1.91
0.900	1.91	3.900	3.83	6.900	7.66	9.90	1.91
0.917	1.91	3.917	3.83	6.917	7.66	9.92	1.91
0.933	1.91	3.933	3.83	6.933	7.66	9.93	1.91
0.950	1.91	3.950	3.83	6.950	7.66	9.95	1.91
0.967	1.91	3.967	3.83	6.967	7.66	9.97	1.91
0.983	1.91	3.983	3.83	6.983	7.66	9.98	1.91
1.000	1.91	4.000	3.83	7.000	7.65	10.00	1.91
1.017	1.91	4.017	4.79	7.017	6.70	10.02	1.91
1.033	1.91	4.033	4.79	7.033	6.70	10.03	1.91
1.050	1.91	4.050	4.79	7.050	6.70	10.05	1.91
1.067	1.91	4.067	4.79	7.067	6.70	10.07	1.91
1.083	1.91	4.083	4.79	7.083	6.70	10.08	1.91
1.100	1.91	4.100	4.79	7.100	6.70	10.10	1.91
1.117	1.91	4.117	4.79	7.117	6.70	10.12	1.91
1.133	1.91	4.133	4.79	7.133	6.70	10.13	1.91
1.150	1.91	4.150	4.79	7.150	6.70	10.15	1.91
1.167	1.91	4.167	4.79	7.167	6.70	10.17	1.91
1.183	1.91	4.183	4.79	7.183	6.70	10.18	1.91
1.200	1.91	4.200	4.79	7.200	6.70	10.20	1.91
1.217	1.91	4.217	4.79	7.217	6.70	10.22	1.91
1.233	1.91	4.233	4.79	7.233	6.70	10.23	1.91
1.250	1.91	4.250	4.79	7.250	6.70	10.25	1.91
1.267	1.91	4.267	5.74	7.267	5.74	10.27	1.91
1.283	1.91	4.283	5.74	7.283	5.74	10.28	1.91
1.300	1.91	4.300	5.74	7.300	5.74	10.30	1.91
1.317	1.91	4.317	5.74	7.317	5.74	10.32	1.91
1.333	1.91	4.333	5.74	7.333	5.74	10.33	1.91
1.350	1.91	4.350	5.74	7.350	5.74	10.35	1.91
1.367	1.91	4.367	5.74	7.367	5.74	10.37	1.91
1.383	1.91	4.383	5.74	7.383	5.74	10.38	1.91
1.400	1.91	4.400	5.74	7.400	5.74	10.40	1.91
1.417	1.91	4.417	5.74	7.417	5.74	10.42	1.91
1.433	1.91	4.433	5.74	7.433	5.74	10.43	1.91
1.450	1.91	4.450	5.74	7.450	5.74	10.45	1.91
1.467	1.91	4.467	5.74	7.467	5.74	10.47	1.91
1.483	1.91	4.483	5.74	7.483	5.74	10.48	1.91
1.500	1.91	4.500	5.74	7.500	5.74	10.50	1.91
1.517	1.91	4.517	6.70	7.517	5.74	10.52	1.91
1.533	1.91	4.533	6.70	7.533	5.74	10.53	1.91
1.550	1.91	4.550	6.70	7.550	5.74	10.55	1.91
1.567	1.91	4.567	6.70	7.567	5.74	10.57	1.91
1.583	1.91	4.583	6.70	7.583	5.74	10.58	1.91
1.600	1.91	4.600	6.70	7.600	5.74	10.60	1.91
1.617	1.91	4.617	6.70	7.617	5.74	10.62	1.91
1.633	1.91	4.633	6.70	7.633	5.74	10.63	1.91
1.650	1.91	4.650	6.70	7.650	5.74	10.65	1.91
1.667	1.91	4.667	6.70	7.667	5.74	10.67	1.91
1.683	1.91	4.683	6.70	7.683	5.74	10.68	1.91
1.700	1.91	4.700	6.70	7.700	5.74	10.70	1.91

1.717	1.91	4.717	6.70	7.717	5.74	10.72	1.91
1.733	1.91	4.733	6.70	7.733	5.74	10.73	1.91
1.750	1.91	4.750	6.70	7.750	5.74	10.75	1.91
1.767	1.91	4.767	7.66	7.767	5.74	10.77	1.91
1.783	1.91	4.783	7.66	7.783	5.74	10.78	1.91
1.800	1.91	4.800	7.66	7.800	5.74	10.80	1.91
1.817	1.91	4.817	7.66	7.817	5.74	10.82	1.91
1.833	1.91	4.833	7.66	7.833	5.74	10.83	1.91
1.850	1.91	4.850	7.66	7.850	5.74	10.85	1.91
1.867	1.91	4.867	7.66	7.867	5.74	10.87	1.91
1.883	1.91	4.883	7.66	7.883	5.74	10.88	1.91
1.900	1.91	4.900	7.66	7.900	5.74	10.90	1.91
1.917	1.91	4.917	7.66	7.917	5.74	10.92	1.91
1.933	1.91	4.933	7.66	7.933	5.74	10.93	1.91
1.950	1.91	4.950	7.66	7.950	5.74	10.95	1.91
1.967	1.91	4.967	7.66	7.967	5.74	10.97	1.91
1.983	1.91	4.983	7.66	7.983	5.74	10.98	1.91
2.000	1.91	5.000	7.66	8.000	5.74	11.00	1.91
2.017	2.87	5.017	9.57	8.017	4.79	11.02	1.91
2.033	2.87	5.033	9.57	8.033	4.79	11.03	1.91
2.050	2.87	5.050	9.57	8.050	4.79	11.05	1.91
2.067	2.87	5.067	9.57	8.067	4.79	11.07	1.91
2.083	2.87	5.083	9.57	8.083	4.79	11.08	1.91
2.100	2.87	5.100	9.57	8.100	4.79	11.10	1.91
2.117	2.87	5.117	9.57	8.117	4.79	11.12	1.91
2.133	2.87	5.133	9.57	8.133	4.79	11.13	1.91
2.150	2.87	5.150	9.57	8.150	4.79	11.15	1.91
2.167	2.87	5.167	9.57	8.167	4.79	11.17	1.91
2.183	2.87	5.183	9.57	8.183	4.79	11.18	1.91
2.200	2.87	5.200	9.57	8.200	4.79	11.20	1.91
2.217	2.87	5.217	9.57	8.217	4.79	11.22	1.91
2.233	2.87	5.233	9.57	8.233	4.79	11.23	1.91
2.250	2.87	5.250	9.57	8.250	4.78	11.25	1.91
2.267	3.83	5.267	11.49	8.267	3.83	11.27	1.91
2.283	3.83	5.283	11.49	8.283	3.83	11.28	1.91
2.300	3.83	5.300	11.49	8.300	3.83	11.30	1.91
2.317	3.83	5.317	11.49	8.317	3.83	11.32	1.91
2.333	3.83	5.333	11.49	8.333	3.83	11.33	1.91
2.350	3.83	5.350	11.49	8.350	3.83	11.35	1.91
2.367	3.83	5.367	11.49	8.367	3.83	11.37	1.91
2.383	3.83	5.383	11.49	8.383	3.83	11.38	1.91
2.400	3.83	5.400	11.49	8.400	3.83	11.40	1.91
2.417	3.83	5.417	11.49	8.417	3.83	11.42	1.91
2.433	3.83	5.433	11.49	8.433	3.83	11.43	1.91
2.450	3.83	5.450	11.49	8.450	3.83	11.45	1.91
2.467	3.83	5.467	11.49	8.467	3.83	11.47	1.91
2.483	3.83	5.483	11.49	8.483	3.83	11.48	1.91
2.500	3.83	5.500	11.52	8.500	3.83	11.50	1.91
2.517	3.83	5.517	48.81	8.517	3.83	11.52	1.91
2.533	3.83	5.533	48.81	8.533	3.83	11.53	1.91
2.550	3.83	5.550	48.81	8.550	3.83	11.55	1.91
2.567	3.83	5.567	48.81	8.567	3.83	11.57	1.91
2.583	3.83	5.583	48.81	8.583	3.83	11.58	1.91
2.600	3.83	5.600	48.81	8.600	3.83	11.60	1.91
2.617	3.83	5.617	48.81	8.617	3.83	11.62	1.91
2.633	3.83	5.633	48.81	8.633	3.83	11.63	1.91
2.650	3.83	5.650	48.81	8.650	3.83	11.65	1.91
2.667	3.83	5.667	48.81	8.667	3.83	11.67	1.91
2.683	3.83	5.683	48.81	8.683	3.83	11.68	1.91
2.700	3.83	5.700	48.81	8.700	3.83	11.70	1.91
2.717	3.83	5.717	48.81	8.717	3.83	11.72	1.91
2.733	3.83	5.733	48.81	8.733	3.83	11.73	1.91
2.750	3.83	5.750	48.86	8.750	3.83	11.75	1.91
2.767	3.83	5.767	86.14	8.767	3.83	11.77	1.91
2.783	3.83	5.783	86.14	8.783	3.83	11.78	1.91
2.800	3.83	5.800	86.14	8.800	3.83	11.80	1.91
2.817	3.83	5.817	86.14	8.817	3.83	11.82	1.91
2.833	3.83	5.833	86.14	8.833	3.83	11.83	1.91
2.850	3.83	5.850	86.14	8.850	3.83	11.85	1.91
2.867	3.83	5.867	86.14	8.867	3.83	11.87	1.91
2.883	3.83	5.883	86.14	8.883	3.83	11.88	1.91
2.900	3.83	5.900	86.14	8.900	3.83	11.90	1.91
2.917	3.83	5.917	86.14	8.917	3.83	11.92	1.91
2.933	3.83	5.933	86.14	8.933	3.83	11.93	1.91
2.950	3.83	5.950	86.14	8.950	3.83	11.95	1.91
2.967	3.83	5.967	86.14	8.967	3.83	11.97	1.91
2.983	3.83	5.983	86.14	8.983	3.83	11.98	1.91
3.000	3.83	6.000	86.09	9.000	3.83	12.00	1.91

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 1.104 (i)

TIME TO PEAK (hrs)= 6.733

RUNOFF VOLUME (mm)= 27.116

TOTAL RAINFALL (mm)= 95.470
RUNOFF COEFFICIENT = 0.284

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB NASHYD (0007) ID= 1 DT= 1.0 min	Area (ha)= 15.86 Ia (mm)= 4.60 U.H. Tp(hrs)= 0.40	Curve Number (CN)= 62.0 # of Linear Res.(N)= 3.00

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.96	3.017	3.83	6.017	51.68	9.02	3.83
0.033	0.96	3.033	3.83	6.033	51.68	9.03	3.83
0.050	0.96	3.050	3.83	6.050	51.68	9.05	3.83
0.067	0.96	3.067	3.83	6.067	51.68	9.07	3.83
0.083	0.96	3.083	3.83	6.083	51.68	9.08	3.83
0.100	0.96	3.100	3.83	6.100	51.68	9.10	3.83
0.117	0.96	3.117	3.83	6.117	51.68	9.12	3.83
0.133	0.96	3.133	3.83	6.133	51.68	9.13	3.83
0.150	0.96	3.150	3.83	6.150	51.68	9.15	3.83
0.167	0.96	3.167	3.83	6.167	51.68	9.17	3.83
0.183	0.96	3.183	3.83	6.183	51.68	9.18	3.83
0.200	0.96	3.200	3.83	6.200	51.68	9.20	3.83
0.217	0.96	3.217	3.83	6.217	51.68	9.22	3.83
0.233	0.96	3.233	3.83	6.233	51.68	9.23	3.83
0.250	0.96	3.250	3.83	6.250	51.63	9.25	3.83
0.267	1.91	3.267	3.83	6.267	17.23	9.27	3.83
0.283	1.91	3.283	3.83	6.283	17.23	9.28	3.83
0.300	1.91	3.300	3.83	6.300	17.23	9.30	3.83
0.317	1.91	3.317	3.83	6.317	17.23	9.32	3.83
0.333	1.91	3.333	3.83	6.333	17.23	9.33	3.83
0.350	1.91	3.350	3.83	6.350	17.23	9.35	3.83
0.367	1.91	3.367	3.83	6.367	17.23	9.37	3.83
0.383	1.91	3.383	3.83	6.383	17.23	9.38	3.83
0.400	1.91	3.400	3.83	6.400	17.23	9.40	3.83
0.417	1.91	3.417	3.83	6.417	17.23	9.42	3.83
0.433	1.91	3.433	3.83	6.433	17.23	9.43	3.83
0.450	1.91	3.450	3.83	6.450	17.23	9.45	3.83
0.467	1.91	3.467	3.83	6.467	17.23	9.47	3.83
0.483	1.91	3.483	3.83	6.483	17.23	9.48	3.83
0.500	1.91	3.500	3.83	6.500	17.22	9.50	3.83
0.517	1.91	3.517	3.83	6.517	12.44	9.52	2.87
0.533	1.91	3.533	3.83	6.533	12.44	9.53	2.87
0.550	1.91	3.550	3.83	6.550	12.44	9.55	2.87
0.567	1.91	3.567	3.83	6.567	12.44	9.57	2.87
0.583	1.91	3.583	3.83	6.583	12.44	9.58	2.87
0.600	1.91	3.600	3.83	6.600	12.44	9.60	2.87
0.617	1.91	3.617	3.83	6.617	12.44	9.62	2.87
0.633	1.91	3.633	3.83	6.633	12.44	9.63	2.87
0.650	1.91	3.650	3.83	6.650	12.44	9.65	2.87
0.667	1.91	3.667	3.83	6.667	12.44	9.67	2.87
0.683	1.91	3.683	3.83	6.683	12.44	9.68	2.87
0.700	1.91	3.700	3.83	6.700	12.44	9.70	2.87
0.717	1.91	3.717	3.83	6.717	12.44	9.72	2.87
0.733	1.91	3.733	3.83	6.733	12.44	9.73	2.87
0.750	1.91	3.750	3.83	6.750	12.43	9.75	2.87
0.767	1.91	3.767	3.83	6.767	7.66	9.77	1.91
0.783	1.91	3.783	3.83	6.783	7.66	9.78	1.91
0.800	1.91	3.800	3.83	6.800	7.66	9.80	1.91
0.817	1.91	3.817	3.83	6.817	7.66	9.82	1.91
0.833	1.91	3.833	3.83	6.833	7.66	9.83	1.91
0.850	1.91	3.850	3.83	6.850	7.66	9.85	1.91
0.867	1.91	3.867	3.83	6.867	7.66	9.87	1.91
0.883	1.91	3.883	3.83	6.883	7.66	9.88	1.91
0.900	1.91	3.900	3.83	6.900	7.66	9.90	1.91
0.917	1.91	3.917	3.83	6.917	7.66	9.92	1.91
0.933	1.91	3.933	3.83	6.933	7.66	9.93	1.91
0.950	1.91	3.950	3.83	6.950	7.66	9.95	1.91
0.967	1.91	3.967	3.83	6.967	7.66	9.97	1.91
0.983	1.91	3.983	3.83	6.983	7.66	9.98	1.91
1.000	1.91	4.000	3.83	7.000	7.65	10.00	1.91
1.017	1.91	4.017	4.79	7.017	6.70	10.02	1.91
1.033	1.91	4.033	4.79	7.033	6.70	10.03	1.91
1.050	1.91	4.050	4.79	7.050	6.70	10.05	1.91
1.067	1.91	4.067	4.79	7.067	6.70	10.07	1.91
1.083	1.91	4.083	4.79	7.083	6.70	10.08	1.91
1.100	1.91	4.100	4.79	7.100	6.70	10.10	1.91

1.117	1.91	4.117	4.79	7.117	6.70	10.12	1.91
1.133	1.91	4.133	4.79	7.133	6.70	10.13	1.91
1.150	1.91	4.150	4.79	7.150	6.70	10.15	1.91
1.167	1.91	4.167	4.79	7.167	6.70	10.17	1.91
1.183	1.91	4.183	4.79	7.183	6.70	10.18	1.91
1.200	1.91	4.200	4.79	7.200	6.70	10.20	1.91
1.217	1.91	4.217	4.79	7.217	6.70	10.22	1.91
1.233	1.91	4.233	4.79	7.233	6.70	10.23	1.91
1.250	1.91	4.250	4.79	7.250	6.70	10.25	1.91
1.267	1.91	4.267	5.74	7.267	5.74	10.27	1.91
1.283	1.91	4.283	5.74	7.283	5.74	10.28	1.91
1.300	1.91	4.300	5.74	7.300	5.74	10.30	1.91
1.317	1.91	4.317	5.74	7.317	5.74	10.32	1.91
1.333	1.91	4.333	5.74	7.333	5.74	10.33	1.91
1.350	1.91	4.350	5.74	7.350	5.74	10.35	1.91
1.367	1.91	4.367	5.74	7.367	5.74	10.37	1.91
1.383	1.91	4.383	5.74	7.383	5.74	10.38	1.91
1.400	1.91	4.400	5.74	7.400	5.74	10.40	1.91
1.417	1.91	4.417	5.74	7.417	5.74	10.42	1.91
1.433	1.91	4.433	5.74	7.433	5.74	10.43	1.91
1.450	1.91	4.450	5.74	7.450	5.74	10.45	1.91
1.467	1.91	4.467	5.74	7.467	5.74	10.47	1.91
1.483	1.91	4.483	5.74	7.483	5.74	10.48	1.91
1.500	1.91	4.500	5.74	7.500	5.74	10.50	1.91
1.517	1.91	4.517	6.70	7.517	5.74	10.52	1.91
1.533	1.91	4.533	6.70	7.533	5.74	10.53	1.91
1.550	1.91	4.550	6.70	7.550	5.74	10.55	1.91
1.567	1.91	4.567	6.70	7.567	5.74	10.57	1.91
1.583	1.91	4.583	6.70	7.583	5.74	10.58	1.91
1.600	1.91	4.600	6.70	7.600	5.74	10.60	1.91
1.617	1.91	4.617	6.70	7.617	5.74	10.62	1.91
1.633	1.91	4.633	6.70	7.633	5.74	10.63	1.91
1.650	1.91	4.650	6.70	7.650	5.74	10.65	1.91
1.667	1.91	4.667	6.70	7.667	5.74	10.67	1.91
1.683	1.91	4.683	6.70	7.683	5.74	10.68	1.91
1.700	1.91	4.700	6.70	7.700	5.74	10.70	1.91
1.717	1.91	4.717	6.70	7.717	5.74	10.72	1.91
1.733	1.91	4.733	6.70	7.733	5.74	10.73	1.91
1.750	1.91	4.750	6.70	7.750	5.74	10.75	1.91
1.767	1.91	4.767	7.66	7.767	5.74	10.77	1.91
1.783	1.91	4.783	7.66	7.783	5.74	10.78	1.91
1.800	1.91	4.800	7.66	7.800	5.74	10.80	1.91
1.817	1.91	4.817	7.66	7.817	5.74	10.82	1.91
1.833	1.91	4.833	7.66	7.833	5.74	10.83	1.91
1.850	1.91	4.850	7.66	7.850	5.74	10.85	1.91
1.867	1.91	4.867	7.66	7.867	5.74	10.87	1.91
1.883	1.91	4.883	7.66	7.883	5.74	10.88	1.91
1.900	1.91	4.900	7.66	7.900	5.74	10.90	1.91
1.917	1.91	4.917	7.66	7.917	5.74	10.92	1.91
1.933	1.91	4.933	7.66	7.933	5.74	10.93	1.91
1.950	1.91	4.950	7.66	7.950	5.74	10.95	1.91
1.967	1.91	4.967	7.66	7.967	5.74	10.97	1.91
1.983	1.91	4.983	7.66	7.983	5.74	10.98	1.91
2.000	1.91	5.000	7.66	8.000	5.74	11.00	1.91
2.017	2.87	5.017	9.57	8.017	4.79	11.02	1.91
2.033	2.87	5.033	9.57	8.033	4.79	11.03	1.91
2.050	2.87	5.050	9.57	8.050	4.79	11.05	1.91
2.067	2.87	5.067	9.57	8.067	4.79	11.07	1.91
2.083	2.87	5.083	9.57	8.083	4.79	11.08	1.91
2.100	2.87	5.100	9.57	8.100	4.79	11.10	1.91
2.117	2.87	5.117	9.57	8.117	4.79	11.12	1.91
2.133	2.87	5.133	9.57	8.133	4.79	11.13	1.91
2.150	2.87	5.150	9.57	8.150	4.79	11.15	1.91
2.167	2.87	5.167	9.57	8.167	4.79	11.17	1.91
2.183	2.87	5.183	9.57	8.183	4.79	11.18	1.91
2.200	2.87	5.200	9.57	8.200	4.79	11.20	1.91
2.217	2.87	5.217	9.57	8.217	4.79	11.22	1.91
2.233	2.87	5.233	9.57	8.233	4.79	11.23	1.91
2.250	2.87	5.250	9.57	8.250	4.78	11.25	1.91
2.267	3.83	5.267	11.49	8.267	3.83	11.27	1.91
2.283	3.83	5.283	11.49	8.283	3.83	11.28	1.91
2.300	3.83	5.300	11.49	8.300	3.83	11.30	1.91
2.317	3.83	5.317	11.49	8.317	3.83	11.32	1.91
2.333	3.83	5.333	11.49	8.333	3.83	11.33	1.91
2.350	3.83	5.350	11.49	8.350	3.83	11.35	1.91
2.367	3.83	5.367	11.49	8.367	3.83	11.37	1.91
2.383	3.83	5.383	11.49	8.383	3.83	11.38	1.91
2.400	3.83	5.400	11.49	8.400	3.83	11.40	1.91
2.417	3.83	5.417	11.49	8.417	3.83	11.42	1.91
2.433	3.83	5.433	11.49	8.433	3.83	11.43	1.91
2.450	3.83	5.450	11.49	8.450	3.83	11.45	1.91
2.467	3.83	5.467	11.49	8.467	3.83	11.47	1.91
2.483	3.83	5.483	11.49	8.483	3.83	11.48	1.91
2.500	3.83	5.500	11.52	8.500	3.83	11.50	1.91

2.517	3.83	5.517	48.81	8.517	3.83	11.52	1.91
2.533	3.83	5.533	48.81	8.533	3.83	11.53	1.91
2.550	3.83	5.550	48.81	8.550	3.83	11.55	1.91
2.567	3.83	5.567	48.81	8.567	3.83	11.57	1.91
2.583	3.83	5.583	48.81	8.583	3.83	11.58	1.91
2.600	3.83	5.600	48.81	8.600	3.83	11.60	1.91
2.617	3.83	5.617	48.81	8.617	3.83	11.62	1.91
2.633	3.83	5.633	48.81	8.633	3.83	11.63	1.91
2.650	3.83	5.650	48.81	8.650	3.83	11.65	1.91
2.667	3.83	5.667	48.81	8.667	3.83	11.67	1.91
2.683	3.83	5.683	48.81	8.683	3.83	11.68	1.91
2.700	3.83	5.700	48.81	8.700	3.83	11.70	1.91
2.717	3.83	5.717	48.81	8.717	3.83	11.72	1.91
2.733	3.83	5.733	48.81	8.733	3.83	11.73	1.91
2.750	3.83	5.750	48.86	8.750	3.83	11.75	1.91
2.767	3.83	5.767	86.14	8.767	3.83	11.77	1.91
2.783	3.83	5.783	86.14	8.783	3.83	11.78	1.91
2.800	3.83	5.800	86.14	8.800	3.83	11.80	1.91
2.817	3.83	5.817	86.14	8.817	3.83	11.82	1.91
2.833	3.83	5.833	86.14	8.833	3.83	11.83	1.91
2.850	3.83	5.850	86.14	8.850	3.83	11.85	1.91
2.867	3.83	5.867	86.14	8.867	3.83	11.87	1.91
2.883	3.83	5.883	86.14	8.883	3.83	11.88	1.91
2.900	3.83	5.900	86.14	8.900	3.83	11.90	1.91
2.917	3.83	5.917	86.14	8.917	3.83	11.92	1.91
2.933	3.83	5.933	86.14	8.933	3.83	11.93	1.91
2.950	3.83	5.950	86.14	8.950	3.83	11.95	1.91
2.967	3.83	5.967	86.14	8.967	3.83	11.97	1.91
2.983	3.83	5.983	86.14	8.983	3.83	11.98	1.91
3.000	3.83	6.000	86.09	9.000	3.83	12.00	1.91

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.878 (i)
TIME TO PEAK (hrs)= 6.433
RUNOFF VOLUME (mm)= 33.492
TOTAL RAINFALL (mm)= 95.470
RUNOFF COEFFICIENT = 0.351

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)		AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3		(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0004):		33.05	1.104	6.73	27.12
+ ID2= 2 (0007):		15.86	0.878	6.43	33.49
=====		=====			
ID = 3 (0006):		48.92	1.894	6.58	29.18

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:4.1 SCS II 24hr 2yr **

CALIB		Area	(ha)=	33.05	Curve Number	(CN)=	58.0
NASHYD (0004)		Ia	(mm)=	10.00	# of Linear Res.(N)=	3.00	
ID= 1 DT= 1.0 min		U.H. Tp	(hrs)=	0.64			

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.62	6.017	1.02	12.017	8.20	18.02	1.02
0.033	0.62	6.033	1.02	12.033	8.16	18.03	1.02
0.050	0.62	6.050	1.02	12.050	8.16	18.05	1.02
0.067	0.62	6.067	1.02	12.067	8.16	18.07	1.02
0.083	0.62	6.083	1.02	12.083	8.16	18.08	1.02
0.100	0.62	6.100	1.02	12.100	8.16	18.10	1.02
0.117	0.62	6.117	1.02	12.117	8.16	18.12	1.02
0.133	0.62	6.133	1.02	12.133	8.16	18.13	1.02
0.150	0.62	6.150	1.02	12.150	8.16	18.15	1.02
0.167	0.62	6.167	1.02	12.167	8.16	18.17	1.02
0.183	0.62	6.183	1.02	12.183	8.16	18.18	1.02
0.200	0.62	6.200	1.02	12.200	8.16	18.20	1.02
0.217	0.62	6.217	1.02	12.217	8.16	18.22	1.02
0.233	0.62	6.233	1.02	12.233	8.16	18.23	1.02
0.250	0.62	6.250	1.02	12.250	8.16	18.25	1.02

0.267	0.62	6.267	1.02	12.267	8.16	18.27	1.02
0.283	0.62	6.283	1.02	12.283	8.16	18.28	1.02
0.300	0.62	6.300	1.02	12.300	8.16	18.30	1.02
0.317	0.62	6.317	1.02	12.317	8.16	18.32	1.02
0.333	0.62	6.333	1.02	12.333	8.16	18.33	1.02
0.350	0.62	6.350	1.02	12.350	8.16	18.35	1.02
0.367	0.62	6.367	1.02	12.367	8.16	18.37	1.02
0.383	0.62	6.383	1.02	12.383	8.16	18.38	1.02
0.400	0.62	6.400	1.02	12.400	8.16	18.40	1.02
0.417	0.62	6.417	1.02	12.417	8.16	18.42	1.02
0.433	0.62	6.433	1.02	12.433	8.16	18.43	1.02
0.450	0.62	6.450	1.02	12.450	8.16	18.45	1.02
0.467	0.62	6.467	1.02	12.467	8.16	18.47	1.02
0.483	0.62	6.483	1.02	12.483	8.16	18.48	1.02
0.500	0.62	6.500	1.02	12.500	8.16	18.50	1.02
0.517	0.62	6.517	1.02	12.517	4.20	18.52	1.02
0.533	0.62	6.533	1.02	12.533	4.19	18.53	1.02
0.550	0.62	6.550	1.02	12.550	4.19	18.55	1.02
0.567	0.62	6.567	1.02	12.567	4.19	18.57	1.02
0.583	0.62	6.583	1.02	12.583	4.19	18.58	1.02
0.600	0.62	6.600	1.02	12.600	4.19	18.60	1.02
0.617	0.62	6.617	1.02	12.617	4.19	18.62	1.02
0.633	0.62	6.633	1.02	12.633	4.19	18.63	1.02
0.650	0.62	6.650	1.02	12.650	4.19	18.65	1.02
0.667	0.62	6.667	1.02	12.667	4.19	18.67	1.02
0.683	0.62	6.683	1.02	12.683	4.19	18.68	1.02
0.700	0.62	6.700	1.02	12.700	4.19	18.70	1.02
0.717	0.62	6.717	1.02	12.717	4.19	18.72	1.02
0.733	0.62	6.733	1.02	12.733	4.19	18.73	1.02
0.750	0.62	6.750	1.02	12.750	4.19	18.75	1.02
0.767	0.62	6.767	1.02	12.767	4.19	18.77	1.02
0.783	0.62	6.783	1.02	12.783	4.19	18.78	1.02
0.800	0.62	6.800	1.02	12.800	4.19	18.80	1.02
0.817	0.62	6.817	1.02	12.817	4.19	18.82	1.02
0.833	0.62	6.833	1.02	12.833	4.19	18.83	1.02
0.850	0.62	6.850	1.02	12.850	4.19	18.85	1.02
0.867	0.62	6.867	1.02	12.867	4.19	18.87	1.02
0.883	0.62	6.883	1.02	12.883	4.19	18.88	1.02
0.900	0.62	6.900	1.02	12.900	4.19	18.90	1.02
0.917	0.62	6.917	1.02	12.917	4.19	18.92	1.02
0.933	0.62	6.933	1.02	12.933	4.19	18.93	1.02
0.950	0.62	6.950	1.02	12.950	4.19	18.95	1.02
0.967	0.62	6.967	1.02	12.967	4.19	18.97	1.02
0.983	0.62	6.983	1.02	12.983	4.19	18.98	1.02
1.000	0.62	7.000	1.02	13.000	4.19	19.00	1.02
1.017	0.62	7.017	1.25	13.017	3.06	19.02	1.02
1.033	0.62	7.033	1.25	13.033	3.06	19.03	1.02
1.050	0.62	7.050	1.25	13.050	3.06	19.05	1.02
1.067	0.62	7.067	1.25	13.067	3.06	19.07	1.02
1.083	0.62	7.083	1.25	13.083	3.06	19.08	1.02
1.100	0.62	7.100	1.25	13.100	3.06	19.10	1.02
1.117	0.62	7.117	1.25	13.117	3.06	19.12	1.02
1.133	0.62	7.133	1.25	13.133	3.06	19.13	1.02
1.150	0.62	7.150	1.25	13.150	3.06	19.15	1.02
1.167	0.62	7.167	1.25	13.167	3.06	19.17	1.02
1.183	0.62	7.183	1.25	13.183	3.06	19.18	1.02
1.200	0.62	7.200	1.25	13.200	3.06	19.20	1.02
1.217	0.62	7.217	1.25	13.217	3.06	19.22	1.02
1.233	0.62	7.233	1.25	13.233	3.06	19.23	1.02
1.250	0.62	7.250	1.25	13.250	3.06	19.25	1.02
1.267	0.62	7.267	1.25	13.267	3.06	19.27	1.02
1.283	0.62	7.283	1.25	13.283	3.06	19.28	1.02
1.300	0.62	7.300	1.25	13.300	3.06	19.30	1.02
1.317	0.62	7.317	1.25	13.317	3.06	19.32	1.02
1.333	0.62	7.333	1.25	13.333	3.06	19.33	1.02
1.350	0.62	7.350	1.25	13.350	3.06	19.35	1.02
1.367	0.62	7.367	1.25	13.367	3.06	19.37	1.02
1.383	0.62	7.383	1.25	13.383	3.06	19.38	1.02
1.400	0.62	7.400	1.25	13.400	3.06	19.40	1.02
1.417	0.62	7.417	1.25	13.417	3.06	19.42	1.02
1.433	0.62	7.433	1.25	13.433	3.06	19.43	1.02
1.450	0.62	7.450	1.25	13.450	3.06	19.45	1.02
1.467	0.62	7.467	1.25	13.467	3.06	19.47	1.02
1.483	0.62	7.483	1.25	13.483	3.06	19.48	1.02
1.500	0.62	7.500	1.25	13.500	3.06	19.50	1.02
1.517	0.62	7.517	1.25	13.517	2.38	19.52	1.02
1.533	0.62	7.533	1.25	13.533	2.38	19.53	1.02
1.550	0.62	7.550	1.25	13.550	2.38	19.55	1.02
1.567	0.62	7.567	1.25	13.567	2.38	19.57	1.02
1.583	0.62	7.583	1.25	13.583	2.38	19.58	1.02
1.600	0.62	7.600	1.25	13.600	2.38	19.60	1.02
1.617	0.62	7.617	1.25	13.617	2.38	19.62	1.02
1.633	0.62	7.633	1.25	13.633	2.38	19.63	1.02
1.650	0.62	7.650	1.25	13.650	2.38	19.65	1.02

1.667	0.62	7.667	1.25	13.667	2.38	19.67	1.02
1.683	0.62	7.683	1.25	13.683	2.38	19.68	1.02
1.700	0.62	7.700	1.25	13.700	2.38	19.70	1.02
1.717	0.62	7.717	1.25	13.717	2.38	19.72	1.02
1.733	0.62	7.733	1.25	13.733	2.38	19.73	1.02
1.750	0.62	7.750	1.25	13.750	2.38	19.75	1.02
1.767	0.62	7.767	1.25	13.767	2.38	19.77	1.02
1.783	0.62	7.783	1.25	13.783	2.38	19.78	1.02
1.800	0.62	7.800	1.25	13.800	2.38	19.80	1.02
1.817	0.62	7.817	1.25	13.817	2.38	19.82	1.02
1.833	0.62	7.833	1.25	13.833	2.38	19.83	1.02
1.850	0.62	7.850	1.25	13.850	2.38	19.85	1.02
1.867	0.62	7.867	1.25	13.867	2.38	19.87	1.02
1.883	0.62	7.883	1.25	13.883	2.38	19.88	1.02
1.900	0.62	7.900	1.25	13.900	2.38	19.90	1.02
1.917	0.62	7.917	1.25	13.917	2.38	19.92	1.02
1.933	0.62	7.933	1.25	13.933	2.38	19.93	1.02
1.950	0.62	7.950	1.25	13.950	2.38	19.95	1.02
1.967	0.62	7.967	1.25	13.967	2.38	19.97	1.02
1.983	0.62	7.983	1.25	13.983	2.38	19.98	1.02
2.000	0.62	8.000	1.25	14.000	2.38	20.00	1.02
2.017	0.74	8.017	1.47	14.017	1.70	20.02	0.68
2.033	0.74	8.033	1.47	14.033	1.70	20.03	0.68
2.050	0.74	8.050	1.47	14.050	1.70	20.05	0.68
2.067	0.74	8.067	1.47	14.067	1.70	20.07	0.68
2.083	0.74	8.083	1.47	14.083	1.70	20.08	0.68
2.100	0.74	8.100	1.47	14.100	1.70	20.10	0.68
2.117	0.74	8.117	1.47	14.117	1.70	20.12	0.68
2.133	0.74	8.133	1.47	14.133	1.70	20.13	0.68
2.150	0.74	8.150	1.47	14.150	1.70	20.15	0.68
2.167	0.74	8.167	1.47	14.167	1.70	20.17	0.68
2.183	0.74	8.183	1.47	14.183	1.70	20.18	0.68
2.200	0.74	8.200	1.47	14.200	1.70	20.20	0.68
2.217	0.74	8.217	1.47	14.217	1.70	20.22	0.68
2.233	0.74	8.233	1.47	14.233	1.70	20.23	0.68
2.250	0.74	8.250	1.47	14.250	1.70	20.25	0.68
2.267	0.74	8.267	1.47	14.267	1.70	20.27	0.68
2.283	0.74	8.283	1.47	14.283	1.70	20.28	0.68
2.300	0.74	8.300	1.47	14.300	1.70	20.30	0.68
2.317	0.74	8.317	1.47	14.317	1.70	20.32	0.68
2.333	0.74	8.333	1.47	14.333	1.70	20.33	0.68
2.350	0.74	8.350	1.47	14.350	1.70	20.35	0.68
2.367	0.74	8.367	1.47	14.367	1.70	20.37	0.68
2.383	0.74	8.383	1.47	14.383	1.70	20.38	0.68
2.400	0.74	8.400	1.47	14.400	1.70	20.40	0.68
2.417	0.74	8.417	1.47	14.417	1.70	20.42	0.68
2.433	0.74	8.433	1.47	14.433	1.70	20.43	0.68
2.450	0.74	8.450	1.47	14.450	1.70	20.45	0.68
2.467	0.74	8.467	1.47	14.467	1.70	20.47	0.68
2.483	0.74	8.483	1.47	14.483	1.70	20.48	0.68
2.500	0.74	8.500	1.47	14.500	1.70	20.50	0.68
2.517	0.74	8.517	1.59	14.517	1.70	20.52	0.68
2.533	0.74	8.533	1.59	14.533	1.70	20.53	0.68
2.550	0.74	8.550	1.59	14.550	1.70	20.55	0.68
2.567	0.74	8.567	1.59	14.567	1.70	20.57	0.68
2.583	0.74	8.583	1.59	14.583	1.70	20.58	0.68
2.600	0.74	8.600	1.59	14.600	1.70	20.60	0.68
2.617	0.74	8.617	1.59	14.617	1.70	20.62	0.68
2.633	0.74	8.633	1.59	14.633	1.70	20.63	0.68
2.650	0.74	8.650	1.59	14.650	1.70	20.65	0.68
2.667	0.74	8.667	1.59	14.667	1.70	20.67	0.68
2.683	0.74	8.683	1.59	14.683	1.70	20.68	0.68
2.700	0.74	8.700	1.59	14.700	1.70	20.70	0.68
2.717	0.74	8.717	1.59	14.717	1.70	20.72	0.68
2.733	0.74	8.733	1.59	14.733	1.70	20.73	0.68
2.750	0.74	8.750	1.59	14.750	1.70	20.75	0.68
2.767	0.74	8.767	1.59	14.767	1.70	20.77	0.68
2.783	0.74	8.783	1.59	14.783	1.70	20.78	0.68
2.800	0.74	8.800	1.59	14.800	1.70	20.80	0.68
2.817	0.74	8.817	1.59	14.817	1.70	20.82	0.68
2.833	0.74	8.833	1.59	14.833	1.70	20.83	0.68
2.850	0.74	8.850	1.59	14.850	1.70	20.85	0.68
2.867	0.74	8.867	1.59	14.867	1.70	20.87	0.68
2.883	0.74	8.883	1.59	14.883	1.70	20.88	0.68
2.900	0.74	8.900	1.59	14.900	1.70	20.90	0.68
2.917	0.74	8.917	1.59	14.917	1.70	20.92	0.68
2.933	0.74	8.933	1.59	14.933	1.70	20.93	0.68
2.950	0.74	8.950	1.59	14.950	1.70	20.95	0.68
2.967	0.74	8.967	1.59	14.967	1.70	20.97	0.68
2.983	0.74	8.983	1.59	14.983	1.70	20.98	0.68
3.000	0.74	9.000	1.59	15.000	1.70	21.00	0.68
3.017	0.74	9.017	1.81	15.017	1.70	21.02	0.68
3.033	0.74	9.033	1.81	15.033	1.70	21.03	0.68
3.050	0.74	9.050	1.81	15.050	1.70	21.05	0.68

3.067	0.74	9.067	1.81	15.067	1.70	21.07	0.68
3.083	0.74	9.083	1.81	15.083	1.70	21.08	0.68
3.100	0.74	9.100	1.81	15.100	1.70	21.10	0.68
3.117	0.74	9.117	1.81	15.117	1.70	21.12	0.68
3.133	0.74	9.133	1.81	15.133	1.70	21.13	0.68
3.150	0.74	9.150	1.81	15.150	1.70	21.15	0.68
3.167	0.74	9.167	1.81	15.167	1.70	21.17	0.68
3.183	0.74	9.183	1.81	15.183	1.70	21.18	0.68
3.200	0.74	9.200	1.81	15.200	1.70	21.20	0.68
3.217	0.74	9.217	1.81	15.217	1.70	21.22	0.68
3.233	0.74	9.233	1.81	15.233	1.70	21.23	0.68
3.250	0.74	9.250	1.81	15.250	1.70	21.25	0.68
3.267	0.74	9.267	1.81	15.267	1.70	21.27	0.68
3.283	0.74	9.283	1.81	15.283	1.70	21.28	0.68
3.300	0.74	9.300	1.81	15.300	1.70	21.30	0.68
3.317	0.74	9.317	1.81	15.317	1.70	21.32	0.68
3.333	0.74	9.333	1.81	15.333	1.70	21.33	0.68
3.350	0.74	9.350	1.81	15.350	1.70	21.35	0.68
3.367	0.74	9.367	1.81	15.367	1.70	21.37	0.68
3.383	0.74	9.383	1.81	15.383	1.70	21.38	0.68
3.400	0.74	9.400	1.81	15.400	1.70	21.40	0.68
3.417	0.74	9.417	1.81	15.417	1.70	21.42	0.68
3.433	0.74	9.433	1.81	15.433	1.70	21.43	0.68
3.450	0.74	9.450	1.81	15.450	1.70	21.45	0.68
3.467	0.74	9.467	1.81	15.467	1.70	21.47	0.68
3.483	0.74	9.483	1.81	15.483	1.70	21.48	0.68
3.500	0.74	9.500	1.81	15.500	1.70	21.50	0.68
3.517	0.74	9.517	2.04	15.517	1.70	21.52	0.68
3.533	0.74	9.533	2.04	15.533	1.70	21.53	0.68
3.550	0.74	9.550	2.04	15.550	1.70	21.55	0.68
3.567	0.74	9.567	2.04	15.567	1.70	21.57	0.68
3.583	0.74	9.583	2.04	15.583	1.70	21.58	0.68
3.600	0.74	9.600	2.04	15.600	1.70	21.60	0.68
3.617	0.74	9.617	2.04	15.617	1.70	21.62	0.68
3.633	0.74	9.633	2.04	15.633	1.70	21.63	0.68
3.650	0.74	9.650	2.04	15.650	1.70	21.65	0.68
3.667	0.74	9.667	2.04	15.667	1.70	21.67	0.68
3.683	0.74	9.683	2.04	15.683	1.70	21.68	0.68
3.700	0.74	9.700	2.04	15.700	1.70	21.70	0.68
3.717	0.74	9.717	2.04	15.717	1.70	21.72	0.68
3.733	0.74	9.733	2.04	15.733	1.70	21.73	0.68
3.750	0.74	9.750	2.04	15.750	1.70	21.75	0.68
3.767	0.74	9.767	2.04	15.767	1.70	21.77	0.68
3.783	0.74	9.783	2.04	15.783	1.70	21.78	0.68
3.800	0.74	9.800	2.04	15.800	1.70	21.80	0.68
3.817	0.74	9.817	2.04	15.817	1.70	21.82	0.68
3.833	0.74	9.833	2.04	15.833	1.70	21.83	0.68
3.850	0.74	9.850	2.04	15.850	1.70	21.85	0.68
3.867	0.74	9.867	2.04	15.867	1.70	21.87	0.68
3.883	0.74	9.883	2.04	15.883	1.70	21.88	0.68
3.900	0.74	9.900	2.04	15.900	1.70	21.90	0.68
3.917	0.74	9.917	2.04	15.917	1.70	21.92	0.68
3.933	0.74	9.933	2.04	15.933	1.70	21.93	0.68
3.950	0.74	9.950	2.04	15.950	1.70	21.95	0.68
3.967	0.74	9.967	2.04	15.967	1.70	21.97	0.68
3.983	0.74	9.983	2.04	15.983	1.70	21.98	0.68
4.000	0.74	10.000	2.04	16.000	1.70	22.00	0.68
4.017	0.91	10.017	2.61	16.017	1.02	22.02	0.68
4.033	0.91	10.033	2.61	16.033	1.02	22.03	0.68
4.050	0.91	10.050	2.61	16.050	1.02	22.05	0.68
4.067	0.91	10.067	2.61	16.067	1.02	22.07	0.68
4.083	0.91	10.083	2.61	16.083	1.02	22.08	0.68
4.100	0.91	10.100	2.61	16.100	1.02	22.10	0.68
4.117	0.91	10.117	2.61	16.117	1.02	22.12	0.68
4.133	0.91	10.133	2.61	16.133	1.02	22.13	0.68
4.150	0.91	10.150	2.61	16.150	1.02	22.15	0.68
4.167	0.91	10.167	2.61	16.167	1.02	22.17	0.68
4.183	0.91	10.183	2.61	16.183	1.02	22.18	0.68
4.200	0.91	10.200	2.61	16.200	1.02	22.20	0.68
4.217	0.91	10.217	2.61	16.217	1.02	22.22	0.68
4.233	0.91	10.233	2.61	16.233	1.02	22.23	0.68
4.250	0.91	10.250	2.61	16.250	1.02	22.25	0.68
4.267	0.91	10.267	2.61	16.267	1.02	22.27	0.68
4.283	0.91	10.283	2.61	16.283	1.02	22.28	0.68
4.300	0.91	10.300	2.61	16.300	1.02	22.30	0.68
4.317	0.91	10.317	2.61	16.317	1.02	22.32	0.68
4.333	0.91	10.333	2.61	16.333	1.02	22.33	0.68
4.350	0.91	10.350	2.61	16.350	1.02	22.35	0.68
4.367	0.91	10.367	2.61	16.367	1.02	22.37	0.68
4.383	0.91	10.383	2.61	16.383	1.02	22.38	0.68
4.400	0.91	10.400	2.61	16.400	1.02	22.40	0.68
4.417	0.91	10.417	2.61	16.417	1.02	22.42	0.68
4.433	0.91	10.433	2.61	16.433	1.02	22.43	0.68
4.450	0.91	10.450	2.61	16.450	1.02	22.45	0.68

4.467	0.91	10.467	2.61	16.467	1.02	22.47	0.68
4.483	0.91	10.483	2.61	16.483	1.02	22.48	0.68
4.500	0.91	10.500	2.61	16.500	1.02	22.50	0.68
4.517	0.91	10.517	3.51	16.517	1.02	22.52	0.68
4.533	0.91	10.533	3.51	16.533	1.02	22.53	0.68
4.550	0.91	10.550	3.51	16.550	1.02	22.55	0.68
4.567	0.91	10.567	3.51	16.567	1.02	22.57	0.68
4.583	0.91	10.583	3.51	16.583	1.02	22.58	0.68
4.600	0.91	10.600	3.51	16.600	1.02	22.60	0.68
4.617	0.91	10.617	3.51	16.617	1.02	22.62	0.68
4.633	0.91	10.633	3.51	16.633	1.02	22.63	0.68
4.650	0.91	10.650	3.51	16.650	1.02	22.65	0.68
4.667	0.91	10.667	3.51	16.667	1.02	22.67	0.68
4.683	0.91	10.683	3.51	16.683	1.02	22.68	0.68
4.700	0.91	10.700	3.51	16.700	1.02	22.70	0.68
4.717	0.91	10.717	3.51	16.717	1.02	22.72	0.68
4.733	0.91	10.733	3.51	16.733	1.02	22.73	0.68
4.750	0.91	10.750	3.51	16.750	1.02	22.75	0.68
4.767	0.91	10.767	3.51	16.767	1.02	22.77	0.68
4.783	0.91	10.783	3.51	16.783	1.02	22.78	0.68
4.800	0.91	10.800	3.51	16.800	1.02	22.80	0.68
4.817	0.91	10.817	3.51	16.817	1.02	22.82	0.68
4.833	0.91	10.833	3.51	16.833	1.02	22.83	0.68
4.850	0.91	10.850	3.51	16.850	1.02	22.85	0.68
4.867	0.91	10.867	3.51	16.867	1.02	22.87	0.68
4.883	0.91	10.883	3.51	16.883	1.02	22.88	0.68
4.900	0.91	10.900	3.51	16.900	1.02	22.90	0.68
4.917	0.91	10.917	3.51	16.917	1.02	22.92	0.68
4.933	0.91	10.933	3.51	16.933	1.02	22.93	0.68
4.950	0.91	10.950	3.51	16.950	1.02	22.95	0.68
4.967	0.91	10.967	3.51	16.967	1.02	22.97	0.68
4.983	0.91	10.983	3.51	16.983	1.02	22.98	0.68
5.000	0.91	11.000	3.51	17.000	1.02	23.00	0.68
5.017	0.91	11.017	5.44	17.017	1.02	23.02	0.68
5.033	0.91	11.033	5.44	17.033	1.02	23.03	0.68
5.050	0.91	11.050	5.44	17.050	1.02	23.05	0.68
5.067	0.91	11.067	5.44	17.067	1.02	23.07	0.68
5.083	0.91	11.083	5.44	17.083	1.02	23.08	0.68
5.100	0.91	11.100	5.44	17.100	1.02	23.10	0.68
5.117	0.91	11.117	5.44	17.117	1.02	23.12	0.68
5.133	0.91	11.133	5.44	17.133	1.02	23.13	0.68
5.150	0.91	11.150	5.44	17.150	1.02	23.15	0.68
5.167	0.91	11.167	5.44	17.167	1.02	23.17	0.68
5.183	0.91	11.183	5.44	17.183	1.02	23.18	0.68
5.200	0.91	11.200	5.44	17.200	1.02	23.20	0.68
5.217	0.91	11.217	5.44	17.217	1.02	23.22	0.68
5.233	0.91	11.233	5.44	17.233	1.02	23.23	0.68
5.250	0.91	11.250	5.44	17.250	1.02	23.25	0.68
5.267	0.91	11.267	5.44	17.267	1.02	23.27	0.68
5.283	0.91	11.283	5.44	17.283	1.02	23.28	0.68
5.300	0.91	11.300	5.44	17.300	1.02	23.30	0.68
5.317	0.91	11.317	5.44	17.317	1.02	23.32	0.68
5.333	0.91	11.333	5.44	17.333	1.02	23.33	0.68
5.350	0.91	11.350	5.44	17.350	1.02	23.35	0.68
5.367	0.91	11.367	5.44	17.367	1.02	23.37	0.68
5.383	0.91	11.383	5.44	17.383	1.02	23.38	0.68
5.400	0.91	11.400	5.44	17.400	1.02	23.40	0.68
5.417	0.91	11.417	5.44	17.417	1.02	23.42	0.68
5.433	0.91	11.433	5.44	17.433	1.02	23.43	0.68
5.450	0.91	11.450	5.44	17.450	1.02	23.45	0.68
5.467	0.91	11.467	5.44	17.467	1.02	23.47	0.68
5.483	0.91	11.483	5.44	17.483	1.02	23.48	0.68
5.500	0.91	11.500	5.44	17.500	1.02	23.50	0.68
5.517	0.91	11.517	16.77	17.517	1.02	23.52	0.68
5.533	0.91	11.533	16.77	17.533	1.02	23.53	0.68
5.550	0.91	11.550	16.77	17.550	1.02	23.55	0.68
5.567	0.91	11.567	16.77	17.567	1.02	23.57	0.68
5.583	0.91	11.583	16.77	17.583	1.02	23.58	0.68
5.600	0.91	11.600	16.77	17.600	1.02	23.60	0.68
5.617	0.91	11.617	16.77	17.617	1.02	23.62	0.68
5.633	0.91	11.633	16.77	17.633	1.02	23.63	0.68
5.650	0.91	11.650	16.77	17.650	1.02	23.65	0.68
5.667	0.91	11.667	16.77	17.667	1.02	23.67	0.68
5.683	0.91	11.683	16.77	17.683	1.02	23.68	0.68
5.700	0.91	11.700	16.77	17.700	1.02	23.70	0.68
5.717	0.91	11.717	16.77	17.717	1.02	23.72	0.68
5.733	0.91	11.733	16.77	17.733	1.02	23.73	0.68
5.750	0.91	11.750	16.77	17.750	1.02	23.75	0.68
5.767	0.91	11.767	69.35	17.767	1.02	23.77	0.68
5.783	0.91	11.783	69.35	17.783	1.02	23.78	0.68
5.800	0.91	11.800	69.35	17.800	1.02	23.80	0.68
5.817	0.91	11.817	69.35	17.817	1.02	23.82	0.68
5.833	0.91	11.833	69.35	17.833	1.02	23.83	0.68
5.850	0.91	11.850	69.35	17.850	1.02	23.85	0.68

5.867	0.91	11.867	69.35	17.867	1.02	23.87	0.68
5.883	0.91	11.883	69.35	17.883	1.02	23.88	0.68
5.900	0.91	11.900	69.35	17.900	1.02	23.90	0.68
5.917	0.91	11.917	69.35	17.917	1.02	23.92	0.68
5.933	0.91	11.933	69.35	17.933	1.02	23.93	0.68
5.950	0.91	11.950	69.35	17.950	1.02	23.95	0.68
5.967	0.91	11.967	69.35	17.967	1.02	23.97	0.68
5.983	0.91	11.983	69.35	17.983	1.02	23.98	0.68
6.000	0.91	12.000	69.35	18.000	1.02	24.00	0.68

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.317 (i)
 TIME TO PEAK (hrs)= 12.650
 RUNOFF VOLUME (mm)= 6.915
 TOTAL RAINFALL (mm)= 56.661
 RUNOFF COEFFICIENT = 0.122

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.62	6.017	1.02	12.017	8.20	18.02	1.02
0.033	0.62	6.033	1.02	12.033	8.16	18.03	1.02
0.050	0.62	6.050	1.02	12.050	8.16	18.05	1.02
0.067	0.62	6.067	1.02	12.067	8.16	18.07	1.02
0.083	0.62	6.083	1.02	12.083	8.16	18.08	1.02
0.100	0.62	6.100	1.02	12.100	8.16	18.10	1.02
0.117	0.62	6.117	1.02	12.117	8.16	18.12	1.02
0.133	0.62	6.133	1.02	12.133	8.16	18.13	1.02
0.150	0.62	6.150	1.02	12.150	8.16	18.15	1.02
0.167	0.62	6.167	1.02	12.167	8.16	18.17	1.02
0.183	0.62	6.183	1.02	12.183	8.16	18.18	1.02
0.200	0.62	6.200	1.02	12.200	8.16	18.20	1.02
0.217	0.62	6.217	1.02	12.217	8.16	18.22	1.02
0.233	0.62	6.233	1.02	12.233	8.16	18.23	1.02
0.250	0.62	6.250	1.02	12.250	8.16	18.25	1.02
0.267	0.62	6.267	1.02	12.267	8.16	18.27	1.02
0.283	0.62	6.283	1.02	12.283	8.16	18.28	1.02
0.300	0.62	6.300	1.02	12.300	8.16	18.30	1.02
0.317	0.62	6.317	1.02	12.317	8.16	18.32	1.02
0.333	0.62	6.333	1.02	12.333	8.16	18.33	1.02
0.350	0.62	6.350	1.02	12.350	8.16	18.35	1.02
0.367	0.62	6.367	1.02	12.367	8.16	18.37	1.02
0.383	0.62	6.383	1.02	12.383	8.16	18.38	1.02
0.400	0.62	6.400	1.02	12.400	8.16	18.40	1.02
0.417	0.62	6.417	1.02	12.417	8.16	18.42	1.02
0.433	0.62	6.433	1.02	12.433	8.16	18.43	1.02
0.450	0.62	6.450	1.02	12.450	8.16	18.45	1.02
0.467	0.62	6.467	1.02	12.467	8.16	18.47	1.02
0.483	0.62	6.483	1.02	12.483	8.16	18.48	1.02
0.500	0.62	6.500	1.02	12.500	8.16	18.50	1.02
0.517	0.62	6.517	1.02	12.517	4.20	18.52	1.02
0.533	0.62	6.533	1.02	12.533	4.19	18.53	1.02
0.550	0.62	6.550	1.02	12.550	4.19	18.55	1.02
0.567	0.62	6.567	1.02	12.567	4.19	18.57	1.02
0.583	0.62	6.583	1.02	12.583	4.19	18.58	1.02
0.600	0.62	6.600	1.02	12.600	4.19	18.60	1.02
0.617	0.62	6.617	1.02	12.617	4.19	18.62	1.02
0.633	0.62	6.633	1.02	12.633	4.19	18.63	1.02
0.650	0.62	6.650	1.02	12.650	4.19	18.65	1.02
0.667	0.62	6.667	1.02	12.667	4.19	18.67	1.02
0.683	0.62	6.683	1.02	12.683	4.19	18.68	1.02
0.700	0.62	6.700	1.02	12.700	4.19	18.70	1.02
0.717	0.62	6.717	1.02	12.717	4.19	18.72	1.02
0.733	0.62	6.733	1.02	12.733	4.19	18.73	1.02
0.750	0.62	6.750	1.02	12.750	4.19	18.75	1.02
0.767	0.62	6.767	1.02	12.767	4.19	18.77	1.02
0.783	0.62	6.783	1.02	12.783	4.19	18.78	1.02
0.800	0.62	6.800	1.02	12.800	4.19	18.80	1.02
0.817	0.62	6.817	1.02	12.817	4.19	18.82	1.02
0.833	0.62	6.833	1.02	12.833	4.19	18.83	1.02
0.850	0.62	6.850	1.02	12.850	4.19	18.85	1.02

0.867	0.62	6.867	1.02	12.867	4.19	18.87	1.02
0.883	0.62	6.883	1.02	12.883	4.19	18.88	1.02
0.900	0.62	6.900	1.02	12.900	4.19	18.90	1.02
0.917	0.62	6.917	1.02	12.917	4.19	18.92	1.02
0.933	0.62	6.933	1.02	12.933	4.19	18.93	1.02
0.950	0.62	6.950	1.02	12.950	4.19	18.95	1.02
0.967	0.62	6.967	1.02	12.967	4.19	18.97	1.02
0.983	0.62	6.983	1.02	12.983	4.19	18.98	1.02
1.000	0.62	7.000	1.02	13.000	4.19	19.00	1.02
1.017	0.62	7.017	1.25	13.017	3.06	19.02	1.02
1.033	0.62	7.033	1.25	13.033	3.06	19.03	1.02
1.050	0.62	7.050	1.25	13.050	3.06	19.05	1.02
1.067	0.62	7.067	1.25	13.067	3.06	19.07	1.02
1.083	0.62	7.083	1.25	13.083	3.06	19.08	1.02
1.100	0.62	7.100	1.25	13.100	3.06	19.10	1.02
1.117	0.62	7.117	1.25	13.117	3.06	19.12	1.02
1.133	0.62	7.133	1.25	13.133	3.06	19.13	1.02
1.150	0.62	7.150	1.25	13.150	3.06	19.15	1.02
1.167	0.62	7.167	1.25	13.167	3.06	19.17	1.02
1.183	0.62	7.183	1.25	13.183	3.06	19.18	1.02
1.200	0.62	7.200	1.25	13.200	3.06	19.20	1.02
1.217	0.62	7.217	1.25	13.217	3.06	19.22	1.02
1.233	0.62	7.233	1.25	13.233	3.06	19.23	1.02
1.250	0.62	7.250	1.25	13.250	3.06	19.25	1.02
1.267	0.62	7.267	1.25	13.267	3.06	19.27	1.02
1.283	0.62	7.283	1.25	13.283	3.06	19.28	1.02
1.300	0.62	7.300	1.25	13.300	3.06	19.30	1.02
1.317	0.62	7.317	1.25	13.317	3.06	19.32	1.02
1.333	0.62	7.333	1.25	13.333	3.06	19.33	1.02
1.350	0.62	7.350	1.25	13.350	3.06	19.35	1.02
1.367	0.62	7.367	1.25	13.367	3.06	19.37	1.02
1.383	0.62	7.383	1.25	13.383	3.06	19.38	1.02
1.400	0.62	7.400	1.25	13.400	3.06	19.40	1.02
1.417	0.62	7.417	1.25	13.417	3.06	19.42	1.02
1.433	0.62	7.433	1.25	13.433	3.06	19.43	1.02
1.450	0.62	7.450	1.25	13.450	3.06	19.45	1.02
1.467	0.62	7.467	1.25	13.467	3.06	19.47	1.02
1.483	0.62	7.483	1.25	13.483	3.06	19.48	1.02
1.500	0.62	7.500	1.25	13.500	3.06	19.50	1.02
1.517	0.62	7.517	1.25	13.517	2.38	19.52	1.02
1.533	0.62	7.533	1.25	13.533	2.38	19.53	1.02
1.550	0.62	7.550	1.25	13.550	2.38	19.55	1.02
1.567	0.62	7.567	1.25	13.567	2.38	19.57	1.02
1.583	0.62	7.583	1.25	13.583	2.38	19.58	1.02
1.600	0.62	7.600	1.25	13.600	2.38	19.60	1.02
1.617	0.62	7.617	1.25	13.617	2.38	19.62	1.02
1.633	0.62	7.633	1.25	13.633	2.38	19.63	1.02
1.650	0.62	7.650	1.25	13.650	2.38	19.65	1.02
1.667	0.62	7.667	1.25	13.667	2.38	19.67	1.02
1.683	0.62	7.683	1.25	13.683	2.38	19.68	1.02
1.700	0.62	7.700	1.25	13.700	2.38	19.70	1.02
1.717	0.62	7.717	1.25	13.717	2.38	19.72	1.02
1.733	0.62	7.733	1.25	13.733	2.38	19.73	1.02
1.750	0.62	7.750	1.25	13.750	2.38	19.75	1.02
1.767	0.62	7.767	1.25	13.767	2.38	19.77	1.02
1.783	0.62	7.783	1.25	13.783	2.38	19.78	1.02
1.800	0.62	7.800	1.25	13.800	2.38	19.80	1.02
1.817	0.62	7.817	1.25	13.817	2.38	19.82	1.02
1.833	0.62	7.833	1.25	13.833	2.38	19.83	1.02
1.850	0.62	7.850	1.25	13.850	2.38	19.85	1.02
1.867	0.62	7.867	1.25	13.867	2.38	19.87	1.02
1.883	0.62	7.883	1.25	13.883	2.38	19.88	1.02
1.900	0.62	7.900	1.25	13.900	2.38	19.90	1.02
1.917	0.62	7.917	1.25	13.917	2.38	19.92	1.02
1.933	0.62	7.933	1.25	13.933	2.38	19.93	1.02
1.950	0.62	7.950	1.25	13.950	2.38	19.95	1.02
1.967	0.62	7.967	1.25	13.967	2.38	19.97	1.02
1.983	0.62	7.983	1.25	13.983	2.38	19.98	1.02
2.000	0.62	8.000	1.25	14.000	2.38	20.00	1.02
2.017	0.74	8.017	1.47	14.017	1.70	20.02	0.68
2.033	0.74	8.033	1.47	14.033	1.70	20.03	0.68
2.050	0.74	8.050	1.47	14.050	1.70	20.05	0.68
2.067	0.74	8.067	1.47	14.067	1.70	20.07	0.68
2.083	0.74	8.083	1.47	14.083	1.70	20.08	0.68
2.100	0.74	8.100	1.47	14.100	1.70	20.10	0.68
2.117	0.74	8.117	1.47	14.117	1.70	20.12	0.68
2.133	0.74	8.133	1.47	14.133	1.70	20.13	0.68
2.150	0.74	8.150	1.47	14.150	1.70	20.15	0.68
2.167	0.74	8.167	1.47	14.167	1.70	20.17	0.68
2.183	0.74	8.183	1.47	14.183	1.70	20.18	0.68
2.200	0.74	8.200	1.47	14.200	1.70	20.20	0.68
2.217	0.74	8.217	1.47	14.217	1.70	20.22	0.68
2.233	0.74	8.233	1.47	14.233	1.70	20.23	0.68
2.250	0.74	8.250	1.47	14.250	1.70	20.25	0.68

2.267	0.74	8.267	1.47	14.267	1.70	20.27	0.68
2.283	0.74	8.283	1.47	14.283	1.70	20.28	0.68
2.300	0.74	8.300	1.47	14.300	1.70	20.30	0.68
2.317	0.74	8.317	1.47	14.317	1.70	20.32	0.68
2.333	0.74	8.333	1.47	14.333	1.70	20.33	0.68
2.350	0.74	8.350	1.47	14.350	1.70	20.35	0.68
2.367	0.74	8.367	1.47	14.367	1.70	20.37	0.68
2.383	0.74	8.383	1.47	14.383	1.70	20.38	0.68
2.400	0.74	8.400	1.47	14.400	1.70	20.40	0.68
2.417	0.74	8.417	1.47	14.417	1.70	20.42	0.68
2.433	0.74	8.433	1.47	14.433	1.70	20.43	0.68
2.450	0.74	8.450	1.47	14.450	1.70	20.45	0.68
2.467	0.74	8.467	1.47	14.467	1.70	20.47	0.68
2.483	0.74	8.483	1.47	14.483	1.70	20.48	0.68
2.500	0.74	8.500	1.47	14.500	1.70	20.50	0.68
2.517	0.74	8.517	1.59	14.517	1.70	20.52	0.68
2.533	0.74	8.533	1.59	14.533	1.70	20.53	0.68
2.550	0.74	8.550	1.59	14.550	1.70	20.55	0.68
2.567	0.74	8.567	1.59	14.567	1.70	20.57	0.68
2.583	0.74	8.583	1.59	14.583	1.70	20.58	0.68
2.600	0.74	8.600	1.59	14.600	1.70	20.60	0.68
2.617	0.74	8.617	1.59	14.617	1.70	20.62	0.68
2.633	0.74	8.633	1.59	14.633	1.70	20.63	0.68
2.650	0.74	8.650	1.59	14.650	1.70	20.65	0.68
2.667	0.74	8.667	1.59	14.667	1.70	20.67	0.68
2.683	0.74	8.683	1.59	14.683	1.70	20.68	0.68
2.700	0.74	8.700	1.59	14.700	1.70	20.70	0.68
2.717	0.74	8.717	1.59	14.717	1.70	20.72	0.68
2.733	0.74	8.733	1.59	14.733	1.70	20.73	0.68
2.750	0.74	8.750	1.59	14.750	1.70	20.75	0.68
2.767	0.74	8.767	1.59	14.767	1.70	20.77	0.68
2.783	0.74	8.783	1.59	14.783	1.70	20.78	0.68
2.800	0.74	8.800	1.59	14.800	1.70	20.80	0.68
2.817	0.74	8.817	1.59	14.817	1.70	20.82	0.68
2.833	0.74	8.833	1.59	14.833	1.70	20.83	0.68
2.850	0.74	8.850	1.59	14.850	1.70	20.85	0.68
2.867	0.74	8.867	1.59	14.867	1.70	20.87	0.68
2.883	0.74	8.883	1.59	14.883	1.70	20.88	0.68
2.900	0.74	8.900	1.59	14.900	1.70	20.90	0.68
2.917	0.74	8.917	1.59	14.917	1.70	20.92	0.68
2.933	0.74	8.933	1.59	14.933	1.70	20.93	0.68
2.950	0.74	8.950	1.59	14.950	1.70	20.95	0.68
2.967	0.74	8.967	1.59	14.967	1.70	20.97	0.68
2.983	0.74	8.983	1.59	14.983	1.70	20.98	0.68
3.000	0.74	9.000	1.59	15.000	1.70	21.00	0.68
3.017	0.74	9.017	1.81	15.017	1.70	21.02	0.68
3.033	0.74	9.033	1.81	15.033	1.70	21.03	0.68
3.050	0.74	9.050	1.81	15.050	1.70	21.05	0.68
3.067	0.74	9.067	1.81	15.067	1.70	21.07	0.68
3.083	0.74	9.083	1.81	15.083	1.70	21.08	0.68
3.100	0.74	9.100	1.81	15.100	1.70	21.10	0.68
3.117	0.74	9.117	1.81	15.117	1.70	21.12	0.68
3.133	0.74	9.133	1.81	15.133	1.70	21.13	0.68
3.150	0.74	9.150	1.81	15.150	1.70	21.15	0.68
3.167	0.74	9.167	1.81	15.167	1.70	21.17	0.68
3.183	0.74	9.183	1.81	15.183	1.70	21.18	0.68
3.200	0.74	9.200	1.81	15.200	1.70	21.20	0.68
3.217	0.74	9.217	1.81	15.217	1.70	21.22	0.68
3.233	0.74	9.233	1.81	15.233	1.70	21.23	0.68
3.250	0.74	9.250	1.81	15.250	1.70	21.25	0.68
3.267	0.74	9.267	1.81	15.267	1.70	21.27	0.68
3.283	0.74	9.283	1.81	15.283	1.70	21.28	0.68
3.300	0.74	9.300	1.81	15.300	1.70	21.30	0.68
3.317	0.74	9.317	1.81	15.317	1.70	21.32	0.68
3.333	0.74	9.333	1.81	15.333	1.70	21.33	0.68
3.350	0.74	9.350	1.81	15.350	1.70	21.35	0.68
3.367	0.74	9.367	1.81	15.367	1.70	21.37	0.68
3.383	0.74	9.383	1.81	15.383	1.70	21.38	0.68
3.400	0.74	9.400	1.81	15.400	1.70	21.40	0.68
3.417	0.74	9.417	1.81	15.417	1.70	21.42	0.68
3.433	0.74	9.433	1.81	15.433	1.70	21.43	0.68
3.450	0.74	9.450	1.81	15.450	1.70	21.45	0.68
3.467	0.74	9.467	1.81	15.467	1.70	21.47	0.68
3.483	0.74	9.483	1.81	15.483	1.70	21.48	0.68
3.500	0.74	9.500	1.81	15.500	1.70	21.50	0.68
3.517	0.74	9.517	2.04	15.517	1.70	21.52	0.68
3.533	0.74	9.533	2.04	15.533	1.70	21.53	0.68
3.550	0.74	9.550	2.04	15.550	1.70	21.55	0.68
3.567	0.74	9.567	2.04	15.567	1.70	21.57	0.68
3.583	0.74	9.583	2.04	15.583	1.70	21.58	0.68
3.600	0.74	9.600	2.04	15.600	1.70	21.60	0.68
3.617	0.74	9.617	2.04	15.617	1.70	21.62	0.68
3.633	0.74	9.633	2.04	15.633	1.70	21.63	0.68
3.650	0.74	9.650	2.04	15.650	1.70	21.65	0.68

3.667	0.74	9.667	2.04	15.667	1.70	21.67	0.68
3.683	0.74	9.683	2.04	15.683	1.70	21.68	0.68
3.700	0.74	9.700	2.04	15.700	1.70	21.70	0.68
3.717	0.74	9.717	2.04	15.717	1.70	21.72	0.68
3.733	0.74	9.733	2.04	15.733	1.70	21.73	0.68
3.750	0.74	9.750	2.04	15.750	1.70	21.75	0.68
3.767	0.74	9.767	2.04	15.767	1.70	21.77	0.68
3.783	0.74	9.783	2.04	15.783	1.70	21.78	0.68
3.800	0.74	9.800	2.04	15.800	1.70	21.80	0.68
3.817	0.74	9.817	2.04	15.817	1.70	21.82	0.68
3.833	0.74	9.833	2.04	15.833	1.70	21.83	0.68
3.850	0.74	9.850	2.04	15.850	1.70	21.85	0.68
3.867	0.74	9.867	2.04	15.867	1.70	21.87	0.68
3.883	0.74	9.883	2.04	15.883	1.70	21.88	0.68
3.900	0.74	9.900	2.04	15.900	1.70	21.90	0.68
3.917	0.74	9.917	2.04	15.917	1.70	21.92	0.68
3.933	0.74	9.933	2.04	15.933	1.70	21.93	0.68
3.950	0.74	9.950	2.04	15.950	1.70	21.95	0.68
3.967	0.74	9.967	2.04	15.967	1.70	21.97	0.68
3.983	0.74	9.983	2.04	15.983	1.70	21.98	0.68
4.000	0.74	10.000	2.04	16.000	1.70	22.00	0.68
4.017	0.91	10.017	2.61	16.017	1.02	22.02	0.68
4.033	0.91	10.033	2.61	16.033	1.02	22.03	0.68
4.050	0.91	10.050	2.61	16.050	1.02	22.05	0.68
4.067	0.91	10.067	2.61	16.067	1.02	22.07	0.68
4.083	0.91	10.083	2.61	16.083	1.02	22.08	0.68
4.100	0.91	10.100	2.61	16.100	1.02	22.10	0.68
4.117	0.91	10.117	2.61	16.117	1.02	22.12	0.68
4.133	0.91	10.133	2.61	16.133	1.02	22.13	0.68
4.150	0.91	10.150	2.61	16.150	1.02	22.15	0.68
4.167	0.91	10.167	2.61	16.167	1.02	22.17	0.68
4.183	0.91	10.183	2.61	16.183	1.02	22.18	0.68
4.200	0.91	10.200	2.61	16.200	1.02	22.20	0.68
4.217	0.91	10.217	2.61	16.217	1.02	22.22	0.68
4.233	0.91	10.233	2.61	16.233	1.02	22.23	0.68
4.250	0.91	10.250	2.61	16.250	1.02	22.25	0.68
4.267	0.91	10.267	2.61	16.267	1.02	22.27	0.68
4.283	0.91	10.283	2.61	16.283	1.02	22.28	0.68
4.300	0.91	10.300	2.61	16.300	1.02	22.30	0.68
4.317	0.91	10.317	2.61	16.317	1.02	22.32	0.68
4.333	0.91	10.333	2.61	16.333	1.02	22.33	0.68
4.350	0.91	10.350	2.61	16.350	1.02	22.35	0.68
4.367	0.91	10.367	2.61	16.367	1.02	22.37	0.68
4.383	0.91	10.383	2.61	16.383	1.02	22.38	0.68
4.400	0.91	10.400	2.61	16.400	1.02	22.40	0.68
4.417	0.91	10.417	2.61	16.417	1.02	22.42	0.68
4.433	0.91	10.433	2.61	16.433	1.02	22.43	0.68
4.450	0.91	10.450	2.61	16.450	1.02	22.45	0.68
4.467	0.91	10.467	2.61	16.467	1.02	22.47	0.68
4.483	0.91	10.483	2.61	16.483	1.02	22.48	0.68
4.500	0.91	10.500	2.61	16.500	1.02	22.50	0.68
4.517	0.91	10.517	3.51	16.517	1.02	22.52	0.68
4.533	0.91	10.533	3.51	16.533	1.02	22.53	0.68
4.550	0.91	10.550	3.51	16.550	1.02	22.55	0.68
4.567	0.91	10.567	3.51	16.567	1.02	22.57	0.68
4.583	0.91	10.583	3.51	16.583	1.02	22.58	0.68
4.600	0.91	10.600	3.51	16.600	1.02	22.60	0.68
4.617	0.91	10.617	3.51	16.617	1.02	22.62	0.68
4.633	0.91	10.633	3.51	16.633	1.02	22.63	0.68
4.650	0.91	10.650	3.51	16.650	1.02	22.65	0.68
4.667	0.91	10.667	3.51	16.667	1.02	22.67	0.68
4.683	0.91	10.683	3.51	16.683	1.02	22.68	0.68
4.700	0.91	10.700	3.51	16.700	1.02	22.70	0.68
4.717	0.91	10.717	3.51	16.717	1.02	22.72	0.68
4.733	0.91	10.733	3.51	16.733	1.02	22.73	0.68
4.750	0.91	10.750	3.51	16.750	1.02	22.75	0.68
4.767	0.91	10.767	3.51	16.767	1.02	22.77	0.68
4.783	0.91	10.783	3.51	16.783	1.02	22.78	0.68
4.800	0.91	10.800	3.51	16.800	1.02	22.80	0.68
4.817	0.91	10.817	3.51	16.817	1.02	22.82	0.68
4.833	0.91	10.833	3.51	16.833	1.02	22.83	0.68
4.850	0.91	10.850	3.51	16.850	1.02	22.85	0.68
4.867	0.91	10.867	3.51	16.867	1.02	22.87	0.68
4.883	0.91	10.883	3.51	16.883	1.02	22.88	0.68
4.900	0.91	10.900	3.51	16.900	1.02	22.90	0.68
4.917	0.91	10.917	3.51	16.917	1.02	22.92	0.68
4.933	0.91	10.933	3.51	16.933	1.02	22.93	0.68
4.950	0.91	10.950	3.51	16.950	1.02	22.95	0.68
4.967	0.91	10.967	3.51	16.967	1.02	22.97	0.68
4.983	0.91	10.983	3.51	16.983	1.02	22.98	0.68
5.000	0.91	11.000	3.51	17.000	1.02	23.00	0.68
5.017	0.91	11.017	5.44	17.017	1.02	23.02	0.68
5.033	0.91	11.033	5.44	17.033	1.02	23.03	0.68
5.050	0.91	11.050	5.44	17.050	1.02	23.05	0.68

5.067	0.91	11.067	5.44	17.067	1.02	23.07	0.68
5.083	0.91	11.083	5.44	17.083	1.02	23.08	0.68
5.100	0.91	11.100	5.44	17.100	1.02	23.10	0.68
5.117	0.91	11.117	5.44	17.117	1.02	23.12	0.68
5.133	0.91	11.133	5.44	17.133	1.02	23.13	0.68
5.150	0.91	11.150	5.44	17.150	1.02	23.15	0.68
5.167	0.91	11.167	5.44	17.167	1.02	23.17	0.68
5.183	0.91	11.183	5.44	17.183	1.02	23.18	0.68
5.200	0.91	11.200	5.44	17.200	1.02	23.20	0.68
5.217	0.91	11.217	5.44	17.217	1.02	23.22	0.68
5.233	0.91	11.233	5.44	17.233	1.02	23.23	0.68
5.250	0.91	11.250	5.44	17.250	1.02	23.25	0.68
5.267	0.91	11.267	5.44	17.267	1.02	23.27	0.68
5.283	0.91	11.283	5.44	17.283	1.02	23.28	0.68
5.300	0.91	11.300	5.44	17.300	1.02	23.30	0.68
5.317	0.91	11.317	5.44	17.317	1.02	23.32	0.68
5.333	0.91	11.333	5.44	17.333	1.02	23.33	0.68
5.350	0.91	11.350	5.44	17.350	1.02	23.35	0.68
5.367	0.91	11.367	5.44	17.367	1.02	23.37	0.68
5.383	0.91	11.383	5.44	17.383	1.02	23.38	0.68
5.400	0.91	11.400	5.44	17.400	1.02	23.40	0.68
5.417	0.91	11.417	5.44	17.417	1.02	23.42	0.68
5.433	0.91	11.433	5.44	17.433	1.02	23.43	0.68
5.450	0.91	11.450	5.44	17.450	1.02	23.45	0.68
5.467	0.91	11.467	5.44	17.467	1.02	23.47	0.68
5.483	0.91	11.483	5.44	17.483	1.02	23.48	0.68
5.500	0.91	11.500	5.44	17.500	1.02	23.50	0.68
5.517	0.91	11.517	16.77	17.517	1.02	23.52	0.68
5.533	0.91	11.533	16.77	17.533	1.02	23.53	0.68
5.550	0.91	11.550	16.77	17.550	1.02	23.55	0.68
5.567	0.91	11.567	16.77	17.567	1.02	23.57	0.68
5.583	0.91	11.583	16.77	17.583	1.02	23.58	0.68
5.600	0.91	11.600	16.77	17.600	1.02	23.60	0.68
5.617	0.91	11.617	16.77	17.617	1.02	23.62	0.68
5.633	0.91	11.633	16.77	17.633	1.02	23.63	0.68
5.650	0.91	11.650	16.77	17.650	1.02	23.65	0.68
5.667	0.91	11.667	16.77	17.667	1.02	23.67	0.68
5.683	0.91	11.683	16.77	17.683	1.02	23.68	0.68
5.700	0.91	11.700	16.77	17.700	1.02	23.70	0.68
5.717	0.91	11.717	16.77	17.717	1.02	23.72	0.68
5.733	0.91	11.733	16.77	17.733	1.02	23.73	0.68
5.750	0.91	11.750	16.77	17.750	1.02	23.75	0.68
5.767	0.91	11.767	69.35	17.767	1.02	23.77	0.68
5.783	0.91	11.783	69.35	17.783	1.02	23.78	0.68
5.800	0.91	11.800	69.35	17.800	1.02	23.80	0.68
5.817	0.91	11.817	69.35	17.817	1.02	23.82	0.68
5.833	0.91	11.833	69.35	17.833	1.02	23.83	0.68
5.850	0.91	11.850	69.35	17.850	1.02	23.85	0.68
5.867	0.91	11.867	69.35	17.867	1.02	23.87	0.68
5.883	0.91	11.883	69.35	17.883	1.02	23.88	0.68
5.900	0.91	11.900	69.35	17.900	1.02	23.90	0.68
5.917	0.91	11.917	69.35	17.917	1.02	23.92	0.68
5.933	0.91	11.933	69.35	17.933	1.02	23.93	0.68
5.950	0.91	11.950	69.35	17.950	1.02	23.95	0.68
5.967	0.91	11.967	69.35	17.967	1.02	23.97	0.68
5.983	0.91	11.983	69.35	17.983	1.02	23.98	0.68
6.000	0.91	12.000	69.35	18.000	1.02	24.00	0.68

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.308 (i)
 TIME TO PEAK (hrs)= 12.317
 RUNOFF VOLUME (mm)= 10.185
 TOTAL RAINFALL (mm)= 56.661
 RUNOFF COEFFICIENT = 0.180

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0004):	33.05	0.317	12.65	6.91
+ ID2= 2 (0007):	15.86	0.308	12.32	10.18
ID = 3 (0006):	48.92	0.588	12.45	10.61

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:4.2 SCS II 24hr 5yr **

CALIB	Area (ha)= 33.05	Curve Number (CN)= 58.0
NASHYD (0004)	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00
ID= 1 DT= 1.0 min	U.H. Tp(hrs)= 0.64	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.81	6.017	1.33	12.017	10.67	18.02	1.33
0.033	0.81	6.033	1.33	12.033	10.61	18.03	1.33
0.050	0.81	6.050	1.33	12.050	10.61	18.05	1.33
0.067	0.81	6.067	1.33	12.067	10.61	18.07	1.33
0.083	0.81	6.083	1.33	12.083	10.61	18.08	1.33
0.100	0.81	6.100	1.33	12.100	10.61	18.10	1.33
0.117	0.81	6.117	1.33	12.117	10.61	18.12	1.33
0.133	0.81	6.133	1.33	12.133	10.61	18.13	1.33
0.150	0.81	6.150	1.33	12.150	10.61	18.15	1.33
0.167	0.81	6.167	1.33	12.167	10.61	18.17	1.33
0.183	0.81	6.183	1.33	12.183	10.61	18.18	1.33
0.200	0.81	6.200	1.33	12.200	10.61	18.20	1.33
0.217	0.81	6.217	1.33	12.217	10.61	18.22	1.33
0.233	0.81	6.233	1.33	12.233	10.61	18.23	1.33
0.250	0.81	6.250	1.33	12.250	10.61	18.25	1.33
0.267	0.81	6.267	1.33	12.267	10.61	18.27	1.33
0.283	0.81	6.283	1.33	12.283	10.61	18.28	1.33
0.300	0.81	6.300	1.33	12.300	10.61	18.30	1.33
0.317	0.81	6.317	1.33	12.317	10.61	18.32	1.33
0.333	0.81	6.333	1.33	12.333	10.61	18.33	1.33
0.350	0.81	6.350	1.33	12.350	10.61	18.35	1.33
0.367	0.81	6.367	1.33	12.367	10.61	18.37	1.33
0.383	0.81	6.383	1.33	12.383	10.61	18.38	1.33
0.400	0.81	6.400	1.33	12.400	10.61	18.40	1.33
0.417	0.81	6.417	1.33	12.417	10.61	18.42	1.33
0.433	0.81	6.433	1.33	12.433	10.61	18.43	1.33
0.450	0.81	6.450	1.33	12.450	10.61	18.45	1.33
0.467	0.81	6.467	1.33	12.467	10.61	18.47	1.33
0.483	0.81	6.483	1.33	12.483	10.61	18.48	1.33
0.500	0.81	6.500	1.33	12.500	10.61	18.50	1.33
0.517	0.81	6.517	1.33	12.517	5.46	18.52	1.33
0.533	0.81	6.533	1.33	12.533	5.45	18.53	1.33
0.550	0.81	6.550	1.33	12.550	5.45	18.55	1.33
0.567	0.81	6.567	1.33	12.567	5.45	18.57	1.33
0.583	0.81	6.583	1.33	12.583	5.45	18.58	1.33
0.600	0.81	6.600	1.33	12.600	5.45	18.60	1.33
0.617	0.81	6.617	1.33	12.617	5.45	18.62	1.33
0.633	0.81	6.633	1.33	12.633	5.45	18.63	1.33
0.650	0.81	6.650	1.33	12.650	5.45	18.65	1.33
0.667	0.81	6.667	1.33	12.667	5.45	18.67	1.33
0.683	0.81	6.683	1.33	12.683	5.45	18.68	1.33
0.700	0.81	6.700	1.33	12.700	5.45	18.70	1.33
0.717	0.81	6.717	1.33	12.717	5.45	18.72	1.33
0.733	0.81	6.733	1.33	12.733	5.45	18.73	1.33
0.750	0.81	6.750	1.33	12.750	5.45	18.75	1.33
0.767	0.81	6.767	1.33	12.767	5.45	18.77	1.33
0.783	0.81	6.783	1.33	12.783	5.45	18.78	1.33
0.800	0.81	6.800	1.33	12.800	5.45	18.80	1.33
0.817	0.81	6.817	1.33	12.817	5.45	18.82	1.33
0.833	0.81	6.833	1.33	12.833	5.45	18.83	1.33
0.850	0.81	6.850	1.33	12.850	5.45	18.85	1.33
0.867	0.81	6.867	1.33	12.867	5.45	18.87	1.33
0.883	0.81	6.883	1.33	12.883	5.45	18.88	1.33
0.900	0.81	6.900	1.33	12.900	5.45	18.90	1.33
0.917	0.81	6.917	1.33	12.917	5.45	18.92	1.33
0.933	0.81	6.933	1.33	12.933	5.45	18.93	1.33
0.950	0.81	6.950	1.33	12.950	5.45	18.95	1.33
0.967	0.81	6.967	1.33	12.967	5.45	18.97	1.33
0.983	0.81	6.983	1.33	12.983	5.45	18.98	1.33
1.000	0.81	7.000	1.33	13.000	5.45	19.00	1.33
1.017	0.81	7.017	1.62	13.017	3.98	19.02	1.33
1.033	0.81	7.033	1.62	13.033	3.98	19.03	1.33
1.050	0.81	7.050	1.62	13.050	3.98	19.05	1.33
1.067	0.81	7.067	1.62	13.067	3.98	19.07	1.33
1.083	0.81	7.083	1.62	13.083	3.98	19.08	1.33
1.100	0.81	7.100	1.62	13.100	3.98	19.10	1.33
1.117	0.81	7.117	1.62	13.117	3.98	19.12	1.33
1.133	0.81	7.133	1.62	13.133	3.98	19.13	1.33
1.150	0.81	7.150	1.62	13.150	3.98	19.15	1.33
1.167	0.81	7.167	1.62	13.167	3.98	19.17	1.33
1.183	0.81	7.183	1.62	13.183	3.98	19.18	1.33
1.200	0.81	7.200	1.62	13.200	3.98	19.20	1.33

1.217	0.81	7.217	1.62	13.217	3.98	19.22	1.33
1.233	0.81	7.233	1.62	13.233	3.98	19.23	1.33
1.250	0.81	7.250	1.62	13.250	3.98	19.25	1.33
1.267	0.81	7.267	1.62	13.267	3.98	19.27	1.33
1.283	0.81	7.283	1.62	13.283	3.98	19.28	1.33
1.300	0.81	7.300	1.62	13.300	3.98	19.30	1.33
1.317	0.81	7.317	1.62	13.317	3.98	19.32	1.33
1.333	0.81	7.333	1.62	13.333	3.98	19.33	1.33
1.350	0.81	7.350	1.62	13.350	3.98	19.35	1.33
1.367	0.81	7.367	1.62	13.367	3.98	19.37	1.33
1.383	0.81	7.383	1.62	13.383	3.98	19.38	1.33
1.400	0.81	7.400	1.62	13.400	3.98	19.40	1.33
1.417	0.81	7.417	1.62	13.417	3.98	19.42	1.33
1.433	0.81	7.433	1.62	13.433	3.98	19.43	1.33
1.450	0.81	7.450	1.62	13.450	3.98	19.45	1.33
1.467	0.81	7.467	1.62	13.467	3.98	19.47	1.33
1.483	0.81	7.483	1.62	13.483	3.98	19.48	1.33
1.500	0.81	7.500	1.62	13.500	3.98	19.50	1.33
1.517	0.81	7.517	1.62	13.517	3.10	19.52	1.33
1.533	0.81	7.533	1.62	13.533	3.09	19.53	1.33
1.550	0.81	7.550	1.62	13.550	3.09	19.55	1.33
1.567	0.81	7.567	1.62	13.567	3.09	19.57	1.33
1.583	0.81	7.583	1.62	13.583	3.09	19.58	1.33
1.600	0.81	7.600	1.62	13.600	3.09	19.60	1.33
1.617	0.81	7.617	1.62	13.617	3.09	19.62	1.33
1.633	0.81	7.633	1.62	13.633	3.09	19.63	1.33
1.650	0.81	7.650	1.62	13.650	3.09	19.65	1.33
1.667	0.81	7.667	1.62	13.667	3.09	19.67	1.33
1.683	0.81	7.683	1.62	13.683	3.09	19.68	1.33
1.700	0.81	7.700	1.62	13.700	3.09	19.70	1.33
1.717	0.81	7.717	1.62	13.717	3.09	19.72	1.33
1.733	0.81	7.733	1.62	13.733	3.09	19.73	1.33
1.750	0.81	7.750	1.62	13.750	3.09	19.75	1.33
1.767	0.81	7.767	1.62	13.767	3.09	19.77	1.33
1.783	0.81	7.783	1.62	13.783	3.09	19.78	1.33
1.800	0.81	7.800	1.62	13.800	3.09	19.80	1.33
1.817	0.81	7.817	1.62	13.817	3.09	19.82	1.33
1.833	0.81	7.833	1.62	13.833	3.09	19.83	1.33
1.850	0.81	7.850	1.62	13.850	3.09	19.85	1.33
1.867	0.81	7.867	1.62	13.867	3.09	19.87	1.33
1.883	0.81	7.883	1.62	13.883	3.09	19.88	1.33
1.900	0.81	7.900	1.62	13.900	3.09	19.90	1.33
1.917	0.81	7.917	1.62	13.917	3.09	19.92	1.33
1.933	0.81	7.933	1.62	13.933	3.09	19.93	1.33
1.950	0.81	7.950	1.62	13.950	3.09	19.95	1.33
1.967	0.81	7.967	1.62	13.967	3.09	19.97	1.33
1.983	0.81	7.983	1.62	13.983	3.09	19.98	1.33
2.000	0.81	8.000	1.62	14.000	3.09	20.00	1.33
2.017	0.96	8.017	1.92	14.017	2.21	20.02	0.89
2.033	0.96	8.033	1.92	14.033	2.21	20.03	0.88
2.050	0.96	8.050	1.92	14.050	2.21	20.05	0.88
2.067	0.96	8.067	1.92	14.067	2.21	20.07	0.88
2.083	0.96	8.083	1.92	14.083	2.21	20.08	0.88
2.100	0.96	8.100	1.92	14.100	2.21	20.10	0.88
2.117	0.96	8.117	1.92	14.117	2.21	20.12	0.88
2.133	0.96	8.133	1.92	14.133	2.21	20.13	0.88
2.150	0.96	8.150	1.92	14.150	2.21	20.15	0.88
2.167	0.96	8.167	1.92	14.167	2.21	20.17	0.88
2.183	0.96	8.183	1.92	14.183	2.21	20.18	0.88
2.200	0.96	8.200	1.92	14.200	2.21	20.20	0.88
2.217	0.96	8.217	1.92	14.217	2.21	20.22	0.88
2.233	0.96	8.233	1.92	14.233	2.21	20.23	0.88
2.250	0.96	8.250	1.92	14.250	2.21	20.25	0.88
2.267	0.96	8.267	1.92	14.267	2.21	20.27	0.88
2.283	0.96	8.283	1.92	14.283	2.21	20.28	0.88
2.300	0.96	8.300	1.92	14.300	2.21	20.30	0.88
2.317	0.96	8.317	1.92	14.317	2.21	20.32	0.88
2.333	0.96	8.333	1.92	14.333	2.21	20.33	0.88
2.350	0.96	8.350	1.92	14.350	2.21	20.35	0.88
2.367	0.96	8.367	1.92	14.367	2.21	20.37	0.88
2.383	0.96	8.383	1.92	14.383	2.21	20.38	0.88
2.400	0.96	8.400	1.92	14.400	2.21	20.40	0.88
2.417	0.96	8.417	1.92	14.417	2.21	20.42	0.88
2.433	0.96	8.433	1.92	14.433	2.21	20.43	0.88
2.450	0.96	8.450	1.92	14.450	2.21	20.45	0.88
2.467	0.96	8.467	1.92	14.467	2.21	20.47	0.88
2.483	0.96	8.483	1.92	14.483	2.21	20.48	0.88
2.500	0.96	8.500	1.92	14.500	2.21	20.50	0.88
2.517	0.96	8.517	2.06	14.517	2.21	20.52	0.88
2.533	0.96	8.533	2.06	14.533	2.21	20.53	0.88
2.550	0.96	8.550	2.06	14.550	2.21	20.55	0.88
2.567	0.96	8.567	2.06	14.567	2.21	20.57	0.88
2.583	0.96	8.583	2.06	14.583	2.21	20.58	0.88
2.600	0.96	8.600	2.06	14.600	2.21	20.60	0.88

2.617	0.96	8.617	2.06	14.617	2.21	20.62	0.88
2.633	0.96	8.633	2.06	14.633	2.21	20.63	0.88
2.650	0.96	8.650	2.06	14.650	2.21	20.65	0.88
2.667	0.96	8.667	2.06	14.667	2.21	20.67	0.88
2.683	0.96	8.683	2.06	14.683	2.21	20.68	0.88
2.700	0.96	8.700	2.06	14.700	2.21	20.70	0.88
2.717	0.96	8.717	2.06	14.717	2.21	20.72	0.88
2.733	0.96	8.733	2.06	14.733	2.21	20.73	0.88
2.750	0.96	8.750	2.06	14.750	2.21	20.75	0.88
2.767	0.96	8.767	2.06	14.767	2.21	20.77	0.88
2.783	0.96	8.783	2.06	14.783	2.21	20.78	0.88
2.800	0.96	8.800	2.06	14.800	2.21	20.80	0.88
2.817	0.96	8.817	2.06	14.817	2.21	20.82	0.88
2.833	0.96	8.833	2.06	14.833	2.21	20.83	0.88
2.850	0.96	8.850	2.06	14.850	2.21	20.85	0.88
2.867	0.96	8.867	2.06	14.867	2.21	20.87	0.88
2.883	0.96	8.883	2.06	14.883	2.21	20.88	0.88
2.900	0.96	8.900	2.06	14.900	2.21	20.90	0.88
2.917	0.96	8.917	2.06	14.917	2.21	20.92	0.88
2.933	0.96	8.933	2.06	14.933	2.21	20.93	0.88
2.950	0.96	8.950	2.06	14.950	2.21	20.95	0.88
2.967	0.96	8.967	2.06	14.967	2.21	20.97	0.88
2.983	0.96	8.983	2.06	14.983	2.21	20.98	0.88
3.000	0.96	9.000	2.06	15.000	2.21	21.00	0.88
3.017	0.96	9.017	2.36	15.017	2.21	21.02	0.88
3.033	0.96	9.033	2.36	15.033	2.21	21.03	0.88
3.050	0.96	9.050	2.36	15.050	2.21	21.05	0.88
3.067	0.96	9.067	2.36	15.067	2.21	21.07	0.88
3.083	0.96	9.083	2.36	15.083	2.21	21.08	0.88
3.100	0.96	9.100	2.36	15.100	2.21	21.10	0.88
3.117	0.96	9.117	2.36	15.117	2.21	21.12	0.88
3.133	0.96	9.133	2.36	15.133	2.21	21.13	0.88
3.150	0.96	9.150	2.36	15.150	2.21	21.15	0.88
3.167	0.96	9.167	2.36	15.167	2.21	21.17	0.88
3.183	0.96	9.183	2.36	15.183	2.21	21.18	0.88
3.200	0.96	9.200	2.36	15.200	2.21	21.20	0.88
3.217	0.96	9.217	2.36	15.217	2.21	21.22	0.88
3.233	0.96	9.233	2.36	15.233	2.21	21.23	0.88
3.250	0.96	9.250	2.36	15.250	2.21	21.25	0.88
3.267	0.96	9.267	2.36	15.267	2.21	21.27	0.88
3.283	0.96	9.283	2.36	15.283	2.21	21.28	0.88
3.300	0.96	9.300	2.36	15.300	2.21	21.30	0.88
3.317	0.96	9.317	2.36	15.317	2.21	21.32	0.88
3.333	0.96	9.333	2.36	15.333	2.21	21.33	0.88
3.350	0.96	9.350	2.36	15.350	2.21	21.35	0.88
3.367	0.96	9.367	2.36	15.367	2.21	21.37	0.88
3.383	0.96	9.383	2.36	15.383	2.21	21.38	0.88
3.400	0.96	9.400	2.36	15.400	2.21	21.40	0.88
3.417	0.96	9.417	2.36	15.417	2.21	21.42	0.88
3.433	0.96	9.433	2.36	15.433	2.21	21.43	0.88
3.450	0.96	9.450	2.36	15.450	2.21	21.45	0.88
3.467	0.96	9.467	2.36	15.467	2.21	21.47	0.88
3.483	0.96	9.483	2.36	15.483	2.21	21.48	0.88
3.500	0.96	9.500	2.36	15.500	2.21	21.50	0.88
3.517	0.96	9.517	2.65	15.517	2.21	21.52	0.88
3.533	0.96	9.533	2.65	15.533	2.21	21.53	0.88
3.550	0.96	9.550	2.65	15.550	2.21	21.55	0.88
3.567	0.96	9.567	2.65	15.567	2.21	21.57	0.88
3.583	0.96	9.583	2.65	15.583	2.21	21.58	0.88
3.600	0.96	9.600	2.65	15.600	2.21	21.60	0.88
3.617	0.96	9.617	2.65	15.617	2.21	21.62	0.88
3.633	0.96	9.633	2.65	15.633	2.21	21.63	0.88
3.650	0.96	9.650	2.65	15.650	2.21	21.65	0.88
3.667	0.96	9.667	2.65	15.667	2.21	21.67	0.88
3.683	0.96	9.683	2.65	15.683	2.21	21.68	0.88
3.700	0.96	9.700	2.65	15.700	2.21	21.70	0.88
3.717	0.96	9.717	2.65	15.717	2.21	21.72	0.88
3.733	0.96	9.733	2.65	15.733	2.21	21.73	0.88
3.750	0.96	9.750	2.65	15.750	2.21	21.75	0.88
3.767	0.96	9.767	2.65	15.767	2.21	21.77	0.88
3.783	0.96	9.783	2.65	15.783	2.21	21.78	0.88
3.800	0.96	9.800	2.65	15.800	2.21	21.80	0.88
3.817	0.96	9.817	2.65	15.817	2.21	21.82	0.88
3.833	0.96	9.833	2.65	15.833	2.21	21.83	0.88
3.850	0.96	9.850	2.65	15.850	2.21	21.85	0.88
3.867	0.96	9.867	2.65	15.867	2.21	21.87	0.88
3.883	0.96	9.883	2.65	15.883	2.21	21.88	0.88
3.900	0.96	9.900	2.65	15.900	2.21	21.90	0.88
3.917	0.96	9.917	2.65	15.917	2.21	21.92	0.88
3.933	0.96	9.933	2.65	15.933	2.21	21.93	0.88
3.950	0.96	9.950	2.65	15.950	2.21	21.95	0.88
3.967	0.96	9.967	2.65	15.967	2.21	21.97	0.88
3.983	0.96	9.983	2.65	15.983	2.21	21.98	0.88
4.000	0.96	10.000	2.65	16.000	2.21	22.00	0.88

4.017	1.18	10.017	3.39	16.017	1.33	22.02	0.88
4.033	1.18	10.033	3.39	16.033	1.33	22.03	0.88
4.050	1.18	10.050	3.39	16.050	1.33	22.05	0.88
4.067	1.18	10.067	3.39	16.067	1.33	22.07	0.88
4.083	1.18	10.083	3.39	16.083	1.33	22.08	0.88
4.100	1.18	10.100	3.39	16.100	1.33	22.10	0.88
4.117	1.18	10.117	3.39	16.117	1.33	22.12	0.88
4.133	1.18	10.133	3.39	16.133	1.33	22.13	0.88
4.150	1.18	10.150	3.39	16.150	1.33	22.15	0.88
4.167	1.18	10.167	3.39	16.167	1.33	22.17	0.88
4.183	1.18	10.183	3.39	16.183	1.33	22.18	0.88
4.200	1.18	10.200	3.39	16.200	1.33	22.20	0.88
4.217	1.18	10.217	3.39	16.217	1.33	22.22	0.88
4.233	1.18	10.233	3.39	16.233	1.33	22.23	0.88
4.250	1.18	10.250	3.39	16.250	1.33	22.25	0.88
4.267	1.18	10.267	3.39	16.267	1.33	22.27	0.88
4.283	1.18	10.283	3.39	16.283	1.33	22.28	0.88
4.300	1.18	10.300	3.39	16.300	1.33	22.30	0.88
4.317	1.18	10.317	3.39	16.317	1.33	22.32	0.88
4.333	1.18	10.333	3.39	16.333	1.33	22.33	0.88
4.350	1.18	10.350	3.39	16.350	1.33	22.35	0.88
4.367	1.18	10.367	3.39	16.367	1.33	22.37	0.88
4.383	1.18	10.383	3.39	16.383	1.33	22.38	0.88
4.400	1.18	10.400	3.39	16.400	1.33	22.40	0.88
4.417	1.18	10.417	3.39	16.417	1.33	22.42	0.88
4.433	1.18	10.433	3.39	16.433	1.33	22.43	0.88
4.450	1.18	10.450	3.39	16.450	1.33	22.45	0.88
4.467	1.18	10.467	3.39	16.467	1.33	22.47	0.88
4.483	1.18	10.483	3.39	16.483	1.33	22.48	0.88
4.500	1.18	10.500	3.39	16.500	1.33	22.50	0.88
4.517	1.18	10.517	4.57	16.517	1.33	22.52	0.88
4.533	1.18	10.533	4.57	16.533	1.33	22.53	0.88
4.550	1.18	10.550	4.57	16.550	1.33	22.55	0.88
4.567	1.18	10.567	4.57	16.567	1.33	22.57	0.88
4.583	1.18	10.583	4.57	16.583	1.33	22.58	0.88
4.600	1.18	10.600	4.57	16.600	1.33	22.60	0.88
4.617	1.18	10.617	4.57	16.617	1.33	22.62	0.88
4.633	1.18	10.633	4.57	16.633	1.33	22.63	0.88
4.650	1.18	10.650	4.57	16.650	1.33	22.65	0.88
4.667	1.18	10.667	4.57	16.667	1.33	22.67	0.88
4.683	1.18	10.683	4.57	16.683	1.33	22.68	0.88
4.700	1.18	10.700	4.57	16.700	1.33	22.70	0.88
4.717	1.18	10.717	4.57	16.717	1.33	22.72	0.88
4.733	1.18	10.733	4.57	16.733	1.33	22.73	0.88
4.750	1.18	10.750	4.57	16.750	1.33	22.75	0.88
4.767	1.18	10.767	4.57	16.767	1.33	22.77	0.88
4.783	1.18	10.783	4.57	16.783	1.33	22.78	0.88
4.800	1.18	10.800	4.57	16.800	1.33	22.80	0.88
4.817	1.18	10.817	4.57	16.817	1.33	22.82	0.88
4.833	1.18	10.833	4.57	16.833	1.33	22.83	0.88
4.850	1.18	10.850	4.57	16.850	1.33	22.85	0.88
4.867	1.18	10.867	4.57	16.867	1.33	22.87	0.88
4.883	1.18	10.883	4.57	16.883	1.33	22.88	0.88
4.900	1.18	10.900	4.57	16.900	1.33	22.90	0.88
4.917	1.18	10.917	4.57	16.917	1.33	22.92	0.88
4.933	1.18	10.933	4.57	16.933	1.33	22.93	0.88
4.950	1.18	10.950	4.57	16.950	1.33	22.95	0.88
4.967	1.18	10.967	4.57	16.967	1.33	22.97	0.88
4.983	1.18	10.983	4.57	16.983	1.33	22.98	0.88
5.000	1.18	11.000	4.57	17.000	1.33	23.00	0.88
5.017	1.18	11.017	7.07	17.017	1.33	23.02	0.88
5.033	1.18	11.033	7.07	17.033	1.33	23.03	0.88
5.050	1.18	11.050	7.07	17.050	1.33	23.05	0.88
5.067	1.18	11.067	7.07	17.067	1.33	23.07	0.88
5.083	1.18	11.083	7.07	17.083	1.33	23.08	0.88
5.100	1.18	11.100	7.07	17.100	1.33	23.10	0.88
5.117	1.18	11.117	7.07	17.117	1.33	23.12	0.88
5.133	1.18	11.133	7.07	17.133	1.33	23.13	0.88
5.150	1.18	11.150	7.07	17.150	1.33	23.15	0.88
5.167	1.18	11.167	7.07	17.167	1.33	23.17	0.88
5.183	1.18	11.183	7.07	17.183	1.33	23.18	0.88
5.200	1.18	11.200	7.07	17.200	1.33	23.20	0.88
5.217	1.18	11.217	7.07	17.217	1.33	23.22	0.88
5.233	1.18	11.233	7.07	17.233	1.33	23.23	0.88
5.250	1.18	11.250	7.07	17.250	1.33	23.25	0.88
5.267	1.18	11.267	7.07	17.267	1.33	23.27	0.88
5.283	1.18	11.283	7.07	17.283	1.33	23.28	0.88
5.300	1.18	11.300	7.07	17.300	1.33	23.30	0.88
5.317	1.18	11.317	7.07	17.317	1.33	23.32	0.88
5.333	1.18	11.333	7.07	17.333	1.33	23.33	0.88
5.350	1.18	11.350	7.07	17.350	1.33	23.35	0.88
5.367	1.18	11.367	7.07	17.367	1.33	23.37	0.88
5.383	1.18	11.383	7.07	17.383	1.33	23.38	0.88
5.400	1.18	11.400	7.07	17.400	1.33	23.40	0.88

5.417	1.18	11.417	7.07	17.417	1.33	23.42	0.88
5.433	1.18	11.433	7.07	17.433	1.33	23.43	0.88
5.450	1.18	11.450	7.07	17.450	1.33	23.45	0.88
5.467	1.18	11.467	7.07	17.467	1.33	23.47	0.88
5.483	1.18	11.483	7.07	17.483	1.33	23.48	0.88
5.500	1.18	11.500	7.07	17.500	1.33	23.50	0.88
5.517	1.18	11.517	21.81	17.517	1.33	23.52	0.88
5.533	1.18	11.533	21.81	17.533	1.33	23.53	0.88
5.550	1.18	11.550	21.81	17.550	1.33	23.55	0.88
5.567	1.18	11.567	21.81	17.567	1.33	23.57	0.88
5.583	1.18	11.583	21.81	17.583	1.33	23.58	0.88
5.600	1.18	11.600	21.81	17.600	1.33	23.60	0.88
5.617	1.18	11.617	21.81	17.617	1.33	23.62	0.88
5.633	1.18	11.633	21.81	17.633	1.33	23.63	0.88
5.650	1.18	11.650	21.81	17.650	1.33	23.65	0.88
5.667	1.18	11.667	21.81	17.667	1.33	23.67	0.88
5.683	1.18	11.683	21.81	17.683	1.33	23.68	0.88
5.700	1.18	11.700	21.81	17.700	1.33	23.70	0.88
5.717	1.18	11.717	21.81	17.717	1.33	23.72	0.88
5.733	1.18	11.733	21.81	17.733	1.33	23.73	0.88
5.750	1.18	11.750	21.81	17.750	1.33	23.75	0.88
5.767	1.18	11.767	90.16	17.767	1.33	23.77	0.88
5.783	1.18	11.783	90.20	17.783	1.33	23.78	0.88
5.800	1.18	11.800	90.20	17.800	1.33	23.80	0.88
5.817	1.18	11.817	90.20	17.817	1.33	23.82	0.88
5.833	1.18	11.833	90.20	17.833	1.33	23.83	0.88
5.850	1.18	11.850	90.20	17.850	1.33	23.85	0.88
5.867	1.18	11.867	90.20	17.867	1.33	23.87	0.88
5.883	1.18	11.883	90.20	17.883	1.33	23.88	0.88
5.900	1.18	11.900	90.20	17.900	1.33	23.90	0.88
5.917	1.18	11.917	90.20	17.917	1.33	23.92	0.88
5.933	1.18	11.933	90.20	17.933	1.33	23.93	0.88
5.950	1.18	11.950	90.20	17.950	1.33	23.95	0.88
5.967	1.18	11.967	90.20	17.967	1.33	23.97	0.88
5.983	1.18	11.983	90.20	17.983	1.33	23.98	0.88
6.000	1.18	12.000	90.20	18.000	1.33	24.00	0.88

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.570 (i)
 TIME TO PEAK (hrs)= 12.633
 RUNOFF VOLUME (mm)= 12.296
 TOTAL RAINFALL (mm)= 73.691
 RUNOFF COEFFICIENT = 0.167

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.81	6.017	1.33	12.017	10.67	18.02	1.33
0.033	0.81	6.033	1.33	12.033	10.61	18.03	1.33
0.050	0.81	6.050	1.33	12.050	10.61	18.05	1.33
0.067	0.81	6.067	1.33	12.067	10.61	18.07	1.33
0.083	0.81	6.083	1.33	12.083	10.61	18.08	1.33
0.100	0.81	6.100	1.33	12.100	10.61	18.10	1.33
0.117	0.81	6.117	1.33	12.117	10.61	18.12	1.33
0.133	0.81	6.133	1.33	12.133	10.61	18.13	1.33
0.150	0.81	6.150	1.33	12.150	10.61	18.15	1.33
0.167	0.81	6.167	1.33	12.167	10.61	18.17	1.33
0.183	0.81	6.183	1.33	12.183	10.61	18.18	1.33
0.200	0.81	6.200	1.33	12.200	10.61	18.20	1.33
0.217	0.81	6.217	1.33	12.217	10.61	18.22	1.33
0.233	0.81	6.233	1.33	12.233	10.61	18.23	1.33
0.250	0.81	6.250	1.33	12.250	10.61	18.25	1.33
0.267	0.81	6.267	1.33	12.267	10.61	18.27	1.33
0.283	0.81	6.283	1.33	12.283	10.61	18.28	1.33
0.300	0.81	6.300	1.33	12.300	10.61	18.30	1.33
0.317	0.81	6.317	1.33	12.317	10.61	18.32	1.33
0.333	0.81	6.333	1.33	12.333	10.61	18.33	1.33
0.350	0.81	6.350	1.33	12.350	10.61	18.35	1.33
0.367	0.81	6.367	1.33	12.367	10.61	18.37	1.33
0.383	0.81	6.383	1.33	12.383	10.61	18.38	1.33
0.400	0.81	6.400	1.33	12.400	10.61	18.40	1.33

0.417	0.81	6.417	1.33	12.417	10.61	18.42	1.33
0.433	0.81	6.433	1.33	12.433	10.61	18.43	1.33
0.450	0.81	6.450	1.33	12.450	10.61	18.45	1.33
0.467	0.81	6.467	1.33	12.467	10.61	18.47	1.33
0.483	0.81	6.483	1.33	12.483	10.61	18.48	1.33
0.500	0.81	6.500	1.33	12.500	10.61	18.50	1.33
0.517	0.81	6.517	1.33	12.517	5.46	18.52	1.33
0.533	0.81	6.533	1.33	12.533	5.45	18.53	1.33
0.550	0.81	6.550	1.33	12.550	5.45	18.55	1.33
0.567	0.81	6.567	1.33	12.567	5.45	18.57	1.33
0.583	0.81	6.583	1.33	12.583	5.45	18.58	1.33
0.600	0.81	6.600	1.33	12.600	5.45	18.60	1.33
0.617	0.81	6.617	1.33	12.617	5.45	18.62	1.33
0.633	0.81	6.633	1.33	12.633	5.45	18.63	1.33
0.650	0.81	6.650	1.33	12.650	5.45	18.65	1.33
0.667	0.81	6.667	1.33	12.667	5.45	18.67	1.33
0.683	0.81	6.683	1.33	12.683	5.45	18.68	1.33
0.700	0.81	6.700	1.33	12.700	5.45	18.70	1.33
0.717	0.81	6.717	1.33	12.717	5.45	18.72	1.33
0.733	0.81	6.733	1.33	12.733	5.45	18.73	1.33
0.750	0.81	6.750	1.33	12.750	5.45	18.75	1.33
0.767	0.81	6.767	1.33	12.767	5.45	18.77	1.33
0.783	0.81	6.783	1.33	12.783	5.45	18.78	1.33
0.800	0.81	6.800	1.33	12.800	5.45	18.80	1.33
0.817	0.81	6.817	1.33	12.817	5.45	18.82	1.33
0.833	0.81	6.833	1.33	12.833	5.45	18.83	1.33
0.850	0.81	6.850	1.33	12.850	5.45	18.85	1.33
0.867	0.81	6.867	1.33	12.867	5.45	18.87	1.33
0.883	0.81	6.883	1.33	12.883	5.45	18.88	1.33
0.900	0.81	6.900	1.33	12.900	5.45	18.90	1.33
0.917	0.81	6.917	1.33	12.917	5.45	18.92	1.33
0.933	0.81	6.933	1.33	12.933	5.45	18.93	1.33
0.950	0.81	6.950	1.33	12.950	5.45	18.95	1.33
0.967	0.81	6.967	1.33	12.967	5.45	18.97	1.33
0.983	0.81	6.983	1.33	12.983	5.45	18.98	1.33
1.000	0.81	7.000	1.33	13.000	5.45	19.00	1.33
1.017	0.81	7.017	1.62	13.017	3.98	19.02	1.33
1.033	0.81	7.033	1.62	13.033	3.98	19.03	1.33
1.050	0.81	7.050	1.62	13.050	3.98	19.05	1.33
1.067	0.81	7.067	1.62	13.067	3.98	19.07	1.33
1.083	0.81	7.083	1.62	13.083	3.98	19.08	1.33
1.100	0.81	7.100	1.62	13.100	3.98	19.10	1.33
1.117	0.81	7.117	1.62	13.117	3.98	19.12	1.33
1.133	0.81	7.133	1.62	13.133	3.98	19.13	1.33
1.150	0.81	7.150	1.62	13.150	3.98	19.15	1.33
1.167	0.81	7.167	1.62	13.167	3.98	19.17	1.33
1.183	0.81	7.183	1.62	13.183	3.98	19.18	1.33
1.200	0.81	7.200	1.62	13.200	3.98	19.20	1.33
1.217	0.81	7.217	1.62	13.217	3.98	19.22	1.33
1.233	0.81	7.233	1.62	13.233	3.98	19.23	1.33
1.250	0.81	7.250	1.62	13.250	3.98	19.25	1.33
1.267	0.81	7.267	1.62	13.267	3.98	19.27	1.33
1.283	0.81	7.283	1.62	13.283	3.98	19.28	1.33
1.300	0.81	7.300	1.62	13.300	3.98	19.30	1.33
1.317	0.81	7.317	1.62	13.317	3.98	19.32	1.33
1.333	0.81	7.333	1.62	13.333	3.98	19.33	1.33
1.350	0.81	7.350	1.62	13.350	3.98	19.35	1.33
1.367	0.81	7.367	1.62	13.367	3.98	19.37	1.33
1.383	0.81	7.383	1.62	13.383	3.98	19.38	1.33
1.400	0.81	7.400	1.62	13.400	3.98	19.40	1.33
1.417	0.81	7.417	1.62	13.417	3.98	19.42	1.33
1.433	0.81	7.433	1.62	13.433	3.98	19.43	1.33
1.450	0.81	7.450	1.62	13.450	3.98	19.45	1.33
1.467	0.81	7.467	1.62	13.467	3.98	19.47	1.33
1.483	0.81	7.483	1.62	13.483	3.98	19.48	1.33
1.500	0.81	7.500	1.62	13.500	3.98	19.50	1.33
1.517	0.81	7.517	1.62	13.517	3.10	19.52	1.33
1.533	0.81	7.533	1.62	13.533	3.09	19.53	1.33
1.550	0.81	7.550	1.62	13.550	3.09	19.55	1.33
1.567	0.81	7.567	1.62	13.567	3.09	19.57	1.33
1.583	0.81	7.583	1.62	13.583	3.09	19.58	1.33
1.600	0.81	7.600	1.62	13.600	3.09	19.60	1.33
1.617	0.81	7.617	1.62	13.617	3.09	19.62	1.33
1.633	0.81	7.633	1.62	13.633	3.09	19.63	1.33
1.650	0.81	7.650	1.62	13.650	3.09	19.65	1.33
1.667	0.81	7.667	1.62	13.667	3.09	19.67	1.33
1.683	0.81	7.683	1.62	13.683	3.09	19.68	1.33
1.700	0.81	7.700	1.62	13.700	3.09	19.70	1.33
1.717	0.81	7.717	1.62	13.717	3.09	19.72	1.33
1.733	0.81	7.733	1.62	13.733	3.09	19.73	1.33
1.750	0.81	7.750	1.62	13.750	3.09	19.75	1.33
1.767	0.81	7.767	1.62	13.767	3.09	19.77	1.33
1.783	0.81	7.783	1.62	13.783	3.09	19.78	1.33
1.800	0.81	7.800	1.62	13.800	3.09	19.80	1.33

1.817	0.81	7.817	1.62	13.817	3.09	19.82	1.33
1.833	0.81	7.833	1.62	13.833	3.09	19.83	1.33
1.850	0.81	7.850	1.62	13.850	3.09	19.85	1.33
1.867	0.81	7.867	1.62	13.867	3.09	19.87	1.33
1.883	0.81	7.883	1.62	13.883	3.09	19.88	1.33
1.900	0.81	7.900	1.62	13.900	3.09	19.90	1.33
1.917	0.81	7.917	1.62	13.917	3.09	19.92	1.33
1.933	0.81	7.933	1.62	13.933	3.09	19.93	1.33
1.950	0.81	7.950	1.62	13.950	3.09	19.95	1.33
1.967	0.81	7.967	1.62	13.967	3.09	19.97	1.33
1.983	0.81	7.983	1.62	13.983	3.09	19.98	1.33
2.000	0.81	8.000	1.62	14.000	3.09	20.00	1.33
2.017	0.96	8.017	1.92	14.017	2.21	20.02	0.89
2.033	0.96	8.033	1.92	14.033	2.21	20.03	0.88
2.050	0.96	8.050	1.92	14.050	2.21	20.05	0.88
2.067	0.96	8.067	1.92	14.067	2.21	20.07	0.88
2.083	0.96	8.083	1.92	14.083	2.21	20.08	0.88
2.100	0.96	8.100	1.92	14.100	2.21	20.10	0.88
2.117	0.96	8.117	1.92	14.117	2.21	20.12	0.88
2.133	0.96	8.133	1.92	14.133	2.21	20.13	0.88
2.150	0.96	8.150	1.92	14.150	2.21	20.15	0.88
2.167	0.96	8.167	1.92	14.167	2.21	20.17	0.88
2.183	0.96	8.183	1.92	14.183	2.21	20.18	0.88
2.200	0.96	8.200	1.92	14.200	2.21	20.20	0.88
2.217	0.96	8.217	1.92	14.217	2.21	20.22	0.88
2.233	0.96	8.233	1.92	14.233	2.21	20.23	0.88
2.250	0.96	8.250	1.92	14.250	2.21	20.25	0.88
2.267	0.96	8.267	1.92	14.267	2.21	20.27	0.88
2.283	0.96	8.283	1.92	14.283	2.21	20.28	0.88
2.300	0.96	8.300	1.92	14.300	2.21	20.30	0.88
2.317	0.96	8.317	1.92	14.317	2.21	20.32	0.88
2.333	0.96	8.333	1.92	14.333	2.21	20.33	0.88
2.350	0.96	8.350	1.92	14.350	2.21	20.35	0.88
2.367	0.96	8.367	1.92	14.367	2.21	20.37	0.88
2.383	0.96	8.383	1.92	14.383	2.21	20.38	0.88
2.400	0.96	8.400	1.92	14.400	2.21	20.40	0.88
2.417	0.96	8.417	1.92	14.417	2.21	20.42	0.88
2.433	0.96	8.433	1.92	14.433	2.21	20.43	0.88
2.450	0.96	8.450	1.92	14.450	2.21	20.45	0.88
2.467	0.96	8.467	1.92	14.467	2.21	20.47	0.88
2.483	0.96	8.483	1.92	14.483	2.21	20.48	0.88
2.500	0.96	8.500	1.92	14.500	2.21	20.50	0.88
2.517	0.96	8.517	2.06	14.517	2.21	20.52	0.88
2.533	0.96	8.533	2.06	14.533	2.21	20.53	0.88
2.550	0.96	8.550	2.06	14.550	2.21	20.55	0.88
2.567	0.96	8.567	2.06	14.567	2.21	20.57	0.88
2.583	0.96	8.583	2.06	14.583	2.21	20.58	0.88
2.600	0.96	8.600	2.06	14.600	2.21	20.60	0.88
2.617	0.96	8.617	2.06	14.617	2.21	20.62	0.88
2.633	0.96	8.633	2.06	14.633	2.21	20.63	0.88
2.650	0.96	8.650	2.06	14.650	2.21	20.65	0.88
2.667	0.96	8.667	2.06	14.667	2.21	20.67	0.88
2.683	0.96	8.683	2.06	14.683	2.21	20.68	0.88
2.700	0.96	8.700	2.06	14.700	2.21	20.70	0.88
2.717	0.96	8.717	2.06	14.717	2.21	20.72	0.88
2.733	0.96	8.733	2.06	14.733	2.21	20.73	0.88
2.750	0.96	8.750	2.06	14.750	2.21	20.75	0.88
2.767	0.96	8.767	2.06	14.767	2.21	20.77	0.88
2.783	0.96	8.783	2.06	14.783	2.21	20.78	0.88
2.800	0.96	8.800	2.06	14.800	2.21	20.80	0.88
2.817	0.96	8.817	2.06	14.817	2.21	20.82	0.88
2.833	0.96	8.833	2.06	14.833	2.21	20.83	0.88
2.850	0.96	8.850	2.06	14.850	2.21	20.85	0.88
2.867	0.96	8.867	2.06	14.867	2.21	20.87	0.88
2.883	0.96	8.883	2.06	14.883	2.21	20.88	0.88
2.900	0.96	8.900	2.06	14.900	2.21	20.90	0.88
2.917	0.96	8.917	2.06	14.917	2.21	20.92	0.88
2.933	0.96	8.933	2.06	14.933	2.21	20.93	0.88
2.950	0.96	8.950	2.06	14.950	2.21	20.95	0.88
2.967	0.96	8.967	2.06	14.967	2.21	20.97	0.88
2.983	0.96	8.983	2.06	14.983	2.21	20.98	0.88
3.000	0.96	9.000	2.06	15.000	2.21	21.00	0.88
3.017	0.96	9.017	2.36	15.017	2.21	21.02	0.88
3.033	0.96	9.033	2.36	15.033	2.21	21.03	0.88
3.050	0.96	9.050	2.36	15.050	2.21	21.05	0.88
3.067	0.96	9.067	2.36	15.067	2.21	21.07	0.88
3.083	0.96	9.083	2.36	15.083	2.21	21.08	0.88
3.100	0.96	9.100	2.36	15.100	2.21	21.10	0.88
3.117	0.96	9.117	2.36	15.117	2.21	21.12	0.88
3.133	0.96	9.133	2.36	15.133	2.21	21.13	0.88
3.150	0.96	9.150	2.36	15.150	2.21	21.15	0.88
3.167	0.96	9.167	2.36	15.167	2.21	21.17	0.88
3.183	0.96	9.183	2.36	15.183	2.21	21.18	0.88
3.200	0.96	9.200	2.36	15.200	2.21	21.20	0.88

3.217	0.96	9.217	2.36	15.217	2.21	21.22	0.88
3.233	0.96	9.233	2.36	15.233	2.21	21.23	0.88
3.250	0.96	9.250	2.36	15.250	2.21	21.25	0.88
3.267	0.96	9.267	2.36	15.267	2.21	21.27	0.88
3.283	0.96	9.283	2.36	15.283	2.21	21.28	0.88
3.300	0.96	9.300	2.36	15.300	2.21	21.30	0.88
3.317	0.96	9.317	2.36	15.317	2.21	21.32	0.88
3.333	0.96	9.333	2.36	15.333	2.21	21.33	0.88
3.350	0.96	9.350	2.36	15.350	2.21	21.35	0.88
3.367	0.96	9.367	2.36	15.367	2.21	21.37	0.88
3.383	0.96	9.383	2.36	15.383	2.21	21.38	0.88
3.400	0.96	9.400	2.36	15.400	2.21	21.40	0.88
3.417	0.96	9.417	2.36	15.417	2.21	21.42	0.88
3.433	0.96	9.433	2.36	15.433	2.21	21.43	0.88
3.450	0.96	9.450	2.36	15.450	2.21	21.45	0.88
3.467	0.96	9.467	2.36	15.467	2.21	21.47	0.88
3.483	0.96	9.483	2.36	15.483	2.21	21.48	0.88
3.500	0.96	9.500	2.36	15.500	2.21	21.50	0.88
3.517	0.96	9.517	2.65	15.517	2.21	21.52	0.88
3.533	0.96	9.533	2.65	15.533	2.21	21.53	0.88
3.550	0.96	9.550	2.65	15.550	2.21	21.55	0.88
3.567	0.96	9.567	2.65	15.567	2.21	21.57	0.88
3.583	0.96	9.583	2.65	15.583	2.21	21.58	0.88
3.600	0.96	9.600	2.65	15.600	2.21	21.60	0.88
3.617	0.96	9.617	2.65	15.617	2.21	21.62	0.88
3.633	0.96	9.633	2.65	15.633	2.21	21.63	0.88
3.650	0.96	9.650	2.65	15.650	2.21	21.65	0.88
3.667	0.96	9.667	2.65	15.667	2.21	21.67	0.88
3.683	0.96	9.683	2.65	15.683	2.21	21.68	0.88
3.700	0.96	9.700	2.65	15.700	2.21	21.70	0.88
3.717	0.96	9.717	2.65	15.717	2.21	21.72	0.88
3.733	0.96	9.733	2.65	15.733	2.21	21.73	0.88
3.750	0.96	9.750	2.65	15.750	2.21	21.75	0.88
3.767	0.96	9.767	2.65	15.767	2.21	21.77	0.88
3.783	0.96	9.783	2.65	15.783	2.21	21.78	0.88
3.800	0.96	9.800	2.65	15.800	2.21	21.80	0.88
3.817	0.96	9.817	2.65	15.817	2.21	21.82	0.88
3.833	0.96	9.833	2.65	15.833	2.21	21.83	0.88
3.850	0.96	9.850	2.65	15.850	2.21	21.85	0.88
3.867	0.96	9.867	2.65	15.867	2.21	21.87	0.88
3.883	0.96	9.883	2.65	15.883	2.21	21.88	0.88
3.900	0.96	9.900	2.65	15.900	2.21	21.90	0.88
3.917	0.96	9.917	2.65	15.917	2.21	21.92	0.88
3.933	0.96	9.933	2.65	15.933	2.21	21.93	0.88
3.950	0.96	9.950	2.65	15.950	2.21	21.95	0.88
3.967	0.96	9.967	2.65	15.967	2.21	21.97	0.88
3.983	0.96	9.983	2.65	15.983	2.21	21.98	0.88
4.000	0.96	10.000	2.65	16.000	2.21	22.00	0.88
4.017	1.18	10.017	3.39	16.017	1.33	22.02	0.88
4.033	1.18	10.033	3.39	16.033	1.33	22.03	0.88
4.050	1.18	10.050	3.39	16.050	1.33	22.05	0.88
4.067	1.18	10.067	3.39	16.067	1.33	22.07	0.88
4.083	1.18	10.083	3.39	16.083	1.33	22.08	0.88
4.100	1.18	10.100	3.39	16.100	1.33	22.10	0.88
4.117	1.18	10.117	3.39	16.117	1.33	22.12	0.88
4.133	1.18	10.133	3.39	16.133	1.33	22.13	0.88
4.150	1.18	10.150	3.39	16.150	1.33	22.15	0.88
4.167	1.18	10.167	3.39	16.167	1.33	22.17	0.88
4.183	1.18	10.183	3.39	16.183	1.33	22.18	0.88
4.200	1.18	10.200	3.39	16.200	1.33	22.20	0.88
4.217	1.18	10.217	3.39	16.217	1.33	22.22	0.88
4.233	1.18	10.233	3.39	16.233	1.33	22.23	0.88
4.250	1.18	10.250	3.39	16.250	1.33	22.25	0.88
4.267	1.18	10.267	3.39	16.267	1.33	22.27	0.88
4.283	1.18	10.283	3.39	16.283	1.33	22.28	0.88
4.300	1.18	10.300	3.39	16.300	1.33	22.30	0.88
4.317	1.18	10.317	3.39	16.317	1.33	22.32	0.88
4.333	1.18	10.333	3.39	16.333	1.33	22.33	0.88
4.350	1.18	10.350	3.39	16.350	1.33	22.35	0.88
4.367	1.18	10.367	3.39	16.367	1.33	22.37	0.88
4.383	1.18	10.383	3.39	16.383	1.33	22.38	0.88
4.400	1.18	10.400	3.39	16.400	1.33	22.40	0.88
4.417	1.18	10.417	3.39	16.417	1.33	22.42	0.88
4.433	1.18	10.433	3.39	16.433	1.33	22.43	0.88
4.450	1.18	10.450	3.39	16.450	1.33	22.45	0.88
4.467	1.18	10.467	3.39	16.467	1.33	22.47	0.88
4.483	1.18	10.483	3.39	16.483	1.33	22.48	0.88
4.500	1.18	10.500	3.39	16.500	1.33	22.50	0.88
4.517	1.18	10.517	4.57	16.517	1.33	22.52	0.88
4.533	1.18	10.533	4.57	16.533	1.33	22.53	0.88
4.550	1.18	10.550	4.57	16.550	1.33	22.55	0.88
4.567	1.18	10.567	4.57	16.567	1.33	22.57	0.88
4.583	1.18	10.583	4.57	16.583	1.33	22.58	0.88
4.600	1.18	10.600	4.57	16.600	1.33	22.60	0.88

4.617	1.18	10.617	4.57	16.617	1.33	22.62	0.88
4.633	1.18	10.633	4.57	16.633	1.33	22.63	0.88
4.650	1.18	10.650	4.57	16.650	1.33	22.65	0.88
4.667	1.18	10.667	4.57	16.667	1.33	22.67	0.88
4.683	1.18	10.683	4.57	16.683	1.33	22.68	0.88
4.700	1.18	10.700	4.57	16.700	1.33	22.70	0.88
4.717	1.18	10.717	4.57	16.717	1.33	22.72	0.88
4.733	1.18	10.733	4.57	16.733	1.33	22.73	0.88
4.750	1.18	10.750	4.57	16.750	1.33	22.75	0.88
4.767	1.18	10.767	4.57	16.767	1.33	22.77	0.88
4.783	1.18	10.783	4.57	16.783	1.33	22.78	0.88
4.800	1.18	10.800	4.57	16.800	1.33	22.80	0.88
4.817	1.18	10.817	4.57	16.817	1.33	22.82	0.88
4.833	1.18	10.833	4.57	16.833	1.33	22.83	0.88
4.850	1.18	10.850	4.57	16.850	1.33	22.85	0.88
4.867	1.18	10.867	4.57	16.867	1.33	22.87	0.88
4.883	1.18	10.883	4.57	16.883	1.33	22.88	0.88
4.900	1.18	10.900	4.57	16.900	1.33	22.90	0.88
4.917	1.18	10.917	4.57	16.917	1.33	22.92	0.88
4.933	1.18	10.933	4.57	16.933	1.33	22.93	0.88
4.950	1.18	10.950	4.57	16.950	1.33	22.95	0.88
4.967	1.18	10.967	4.57	16.967	1.33	22.97	0.88
4.983	1.18	10.983	4.57	16.983	1.33	22.98	0.88
5.000	1.18	11.000	4.57	17.000	1.33	23.00	0.88
5.017	1.18	11.017	7.07	17.017	1.33	23.02	0.88
5.033	1.18	11.033	7.07	17.033	1.33	23.03	0.88
5.050	1.18	11.050	7.07	17.050	1.33	23.05	0.88
5.067	1.18	11.067	7.07	17.067	1.33	23.07	0.88
5.083	1.18	11.083	7.07	17.083	1.33	23.08	0.88
5.100	1.18	11.100	7.07	17.100	1.33	23.10	0.88
5.117	1.18	11.117	7.07	17.117	1.33	23.12	0.88
5.133	1.18	11.133	7.07	17.133	1.33	23.13	0.88
5.150	1.18	11.150	7.07	17.150	1.33	23.15	0.88
5.167	1.18	11.167	7.07	17.167	1.33	23.17	0.88
5.183	1.18	11.183	7.07	17.183	1.33	23.18	0.88
5.200	1.18	11.200	7.07	17.200	1.33	23.20	0.88
5.217	1.18	11.217	7.07	17.217	1.33	23.22	0.88
5.233	1.18	11.233	7.07	17.233	1.33	23.23	0.88
5.250	1.18	11.250	7.07	17.250	1.33	23.25	0.88
5.267	1.18	11.267	7.07	17.267	1.33	23.27	0.88
5.283	1.18	11.283	7.07	17.283	1.33	23.28	0.88
5.300	1.18	11.300	7.07	17.300	1.33	23.30	0.88
5.317	1.18	11.317	7.07	17.317	1.33	23.32	0.88
5.333	1.18	11.333	7.07	17.333	1.33	23.33	0.88
5.350	1.18	11.350	7.07	17.350	1.33	23.35	0.88
5.367	1.18	11.367	7.07	17.367	1.33	23.37	0.88
5.383	1.18	11.383	7.07	17.383	1.33	23.38	0.88
5.400	1.18	11.400	7.07	17.400	1.33	23.40	0.88
5.417	1.18	11.417	7.07	17.417	1.33	23.42	0.88
5.433	1.18	11.433	7.07	17.433	1.33	23.43	0.88
5.450	1.18	11.450	7.07	17.450	1.33	23.45	0.88
5.467	1.18	11.467	7.07	17.467	1.33	23.47	0.88
5.483	1.18	11.483	7.07	17.483	1.33	23.48	0.88
5.500	1.18	11.500	7.07	17.500	1.33	23.50	0.88
5.517	1.18	11.517	21.81	17.517	1.33	23.52	0.88
5.533	1.18	11.533	21.81	17.533	1.33	23.53	0.88
5.550	1.18	11.550	21.81	17.550	1.33	23.55	0.88
5.567	1.18	11.567	21.81	17.567	1.33	23.57	0.88
5.583	1.18	11.583	21.81	17.583	1.33	23.58	0.88
5.600	1.18	11.600	21.81	17.600	1.33	23.60	0.88
5.617	1.18	11.617	21.81	17.617	1.33	23.62	0.88
5.633	1.18	11.633	21.81	17.633	1.33	23.63	0.88
5.650	1.18	11.650	21.81	17.650	1.33	23.65	0.88
5.667	1.18	11.667	21.81	17.667	1.33	23.67	0.88
5.683	1.18	11.683	21.81	17.683	1.33	23.68	0.88
5.700	1.18	11.700	21.81	17.700	1.33	23.70	0.88
5.717	1.18	11.717	21.81	17.717	1.33	23.72	0.88
5.733	1.18	11.733	21.81	17.733	1.33	23.73	0.88
5.750	1.18	11.750	21.81	17.750	1.33	23.75	0.88
5.767	1.18	11.767	90.16	17.767	1.33	23.77	0.88
5.783	1.18	11.783	90.20	17.783	1.33	23.78	0.88
5.800	1.18	11.800	90.20	17.800	1.33	23.80	0.88
5.817	1.18	11.817	90.20	17.817	1.33	23.82	0.88
5.833	1.18	11.833	90.20	17.833	1.33	23.83	0.88
5.850	1.18	11.850	90.20	17.850	1.33	23.85	0.88
5.867	1.18	11.867	90.20	17.867	1.33	23.87	0.88
5.883	1.18	11.883	90.20	17.883	1.33	23.88	0.88
5.900	1.18	11.900	90.20	17.900	1.33	23.90	0.88
5.917	1.18	11.917	90.20	17.917	1.33	23.92	0.88
5.933	1.18	11.933	90.20	17.933	1.33	23.93	0.88
5.950	1.18	11.950	90.20	17.950	1.33	23.95	0.88
5.967	1.18	11.967	90.20	17.967	1.33	23.97	0.88
5.983	1.18	11.983	90.20	17.983	1.33	23.98	0.88
6.000	1.18	12.000	90.20	18.000	1.33	24.00	0.88

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.510 (i)
TIME TO PEAK (hrs)= 12.317
RUNOFF VOLUME (mm)= 16.795
TOTAL RAINFALL (mm)= 73.691
RUNOFF COEFFICIENT = 0.228

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 +	2 = 3				
ID1= 1 (	0004):	33.05	0.570	12.63	12.30
+ ID2= 2 (	0007):	15.86	0.510	12.32	16.79
=====		=====			
ID = 3 (	0006):	48.92	1.020	12.45	17.96

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:4.3 SCS II 24hr 10yr **

CALIB		Area (ha)=	Curve Number (CN)=
NASHYD (	0004)		
ID= 1 DT= 1.0 min		Ia (mm)= 10.00	# of Linear Res.(N)= 3.00
-----		U.H. Tp(hrs)= 0.64	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.93	6.017	1.52	12.017	12.24	18.02	1.52
0.033	0.93	6.033	1.52	12.033	12.18	18.03	1.52
0.050	0.93	6.050	1.52	12.050	12.18	18.05	1.52
0.067	0.93	6.067	1.52	12.067	12.18	18.07	1.52
0.083	0.93	6.083	1.52	12.083	12.18	18.08	1.52
0.100	0.93	6.100	1.52	12.100	12.18	18.10	1.52
0.117	0.93	6.117	1.52	12.117	12.18	18.12	1.52
0.133	0.93	6.133	1.52	12.133	12.18	18.13	1.52
0.150	0.93	6.150	1.52	12.150	12.18	18.15	1.52
0.167	0.93	6.167	1.52	12.167	12.18	18.17	1.52
0.183	0.93	6.183	1.52	12.183	12.18	18.18	1.52
0.200	0.93	6.200	1.52	12.200	12.18	18.20	1.52
0.217	0.93	6.217	1.52	12.217	12.18	18.22	1.52
0.233	0.93	6.233	1.52	12.233	12.18	18.23	1.52
0.250	0.93	6.250	1.52	12.250	12.18	18.25	1.52
0.267	0.93	6.267	1.52	12.267	12.18	18.27	1.52
0.283	0.93	6.283	1.52	12.283	12.18	18.28	1.52
0.300	0.93	6.300	1.52	12.300	12.18	18.30	1.52
0.317	0.93	6.317	1.52	12.317	12.18	18.32	1.52
0.333	0.93	6.333	1.52	12.333	12.18	18.33	1.52
0.350	0.93	6.350	1.52	12.350	12.18	18.35	1.52
0.367	0.93	6.367	1.52	12.367	12.18	18.37	1.52
0.383	0.93	6.383	1.52	12.383	12.18	18.38	1.52
0.400	0.93	6.400	1.52	12.400	12.18	18.40	1.52
0.417	0.93	6.417	1.52	12.417	12.18	18.42	1.52
0.433	0.93	6.433	1.52	12.433	12.18	18.43	1.52
0.450	0.93	6.450	1.52	12.450	12.18	18.45	1.52
0.467	0.93	6.467	1.52	12.467	12.18	18.47	1.52
0.483	0.93	6.483	1.52	12.483	12.18	18.48	1.52
0.500	0.93	6.500	1.52	12.500	12.18	18.50	1.52
0.517	0.93	6.517	1.52	12.517	6.27	18.52	1.52
0.533	0.93	6.533	1.52	12.533	6.26	18.53	1.52
0.550	0.93	6.550	1.52	12.550	6.26	18.55	1.52
0.567	0.93	6.567	1.52	12.567	6.26	18.57	1.52
0.583	0.93	6.583	1.52	12.583	6.26	18.58	1.52
0.600	0.93	6.600	1.52	12.600	6.26	18.60	1.52
0.617	0.93	6.617	1.52	12.617	6.26	18.62	1.52
0.633	0.93	6.633	1.52	12.633	6.26	18.63	1.52
0.650	0.93	6.650	1.52	12.650	6.26	18.65	1.52
0.667	0.93	6.667	1.52	12.667	6.26	18.67	1.52
0.683	0.93	6.683	1.52	12.683	6.26	18.68	1.52
0.700	0.93	6.700	1.52	12.700	6.26	18.70	1.52
0.717	0.93	6.717	1.52	12.717	6.26	18.72	1.52
0.733	0.93	6.733	1.52	12.733	6.26	18.73	1.52
0.750	0.93	6.750	1.52	12.750	6.26	18.75	1.52

0.767	0.93	6.767	1.52	12.767	6.26	18.77	1.52
0.783	0.93	6.783	1.52	12.783	6.26	18.78	1.52
0.800	0.93	6.800	1.52	12.800	6.26	18.80	1.52
0.817	0.93	6.817	1.52	12.817	6.26	18.82	1.52
0.833	0.93	6.833	1.52	12.833	6.26	18.83	1.52
0.850	0.93	6.850	1.52	12.850	6.26	18.85	1.52
0.867	0.93	6.867	1.52	12.867	6.26	18.87	1.52
0.883	0.93	6.883	1.52	12.883	6.26	18.88	1.52
0.900	0.93	6.900	1.52	12.900	6.26	18.90	1.52
0.917	0.93	6.917	1.52	12.917	6.26	18.92	1.52
0.933	0.93	6.933	1.52	12.933	6.26	18.93	1.52
0.950	0.93	6.950	1.52	12.950	6.26	18.95	1.52
0.967	0.93	6.967	1.52	12.967	6.26	18.97	1.52
0.983	0.93	6.983	1.52	12.983	6.26	18.98	1.52
1.000	0.93	7.000	1.52	13.000	6.26	19.00	1.52
1.017	0.93	7.017	1.86	13.017	4.57	19.02	1.52
1.033	0.93	7.033	1.86	13.033	4.57	19.03	1.52
1.050	0.93	7.050	1.86	13.050	4.57	19.05	1.52
1.067	0.93	7.067	1.86	13.067	4.57	19.07	1.52
1.083	0.93	7.083	1.86	13.083	4.57	19.08	1.52
1.100	0.93	7.100	1.86	13.100	4.57	19.10	1.52
1.117	0.93	7.117	1.86	13.117	4.57	19.12	1.52
1.133	0.93	7.133	1.86	13.133	4.57	19.13	1.52
1.150	0.93	7.150	1.86	13.150	4.57	19.15	1.52
1.167	0.93	7.167	1.86	13.167	4.57	19.17	1.52
1.183	0.93	7.183	1.86	13.183	4.57	19.18	1.52
1.200	0.93	7.200	1.86	13.200	4.57	19.20	1.52
1.217	0.93	7.217	1.86	13.217	4.57	19.22	1.52
1.233	0.93	7.233	1.86	13.233	4.57	19.23	1.52
1.250	0.93	7.250	1.86	13.250	4.57	19.25	1.52
1.267	0.93	7.267	1.86	13.267	4.57	19.27	1.52
1.283	0.93	7.283	1.86	13.283	4.57	19.28	1.52
1.300	0.93	7.300	1.86	13.300	4.57	19.30	1.52
1.317	0.93	7.317	1.86	13.317	4.57	19.32	1.52
1.333	0.93	7.333	1.86	13.333	4.57	19.33	1.52
1.350	0.93	7.350	1.86	13.350	4.57	19.35	1.52
1.367	0.93	7.367	1.86	13.367	4.57	19.37	1.52
1.383	0.93	7.383	1.86	13.383	4.57	19.38	1.52
1.400	0.93	7.400	1.86	13.400	4.57	19.40	1.52
1.417	0.93	7.417	1.86	13.417	4.57	19.42	1.52
1.433	0.93	7.433	1.86	13.433	4.57	19.43	1.52
1.450	0.93	7.450	1.86	13.450	4.57	19.45	1.52
1.467	0.93	7.467	1.86	13.467	4.57	19.47	1.52
1.483	0.93	7.483	1.86	13.483	4.57	19.48	1.52
1.500	0.93	7.500	1.86	13.500	4.57	19.50	1.52
1.517	0.93	7.517	1.86	13.517	3.55	19.52	1.52
1.533	0.93	7.533	1.86	13.533	3.55	19.53	1.52
1.550	0.93	7.550	1.86	13.550	3.55	19.55	1.52
1.567	0.93	7.567	1.86	13.567	3.55	19.57	1.52
1.583	0.93	7.583	1.86	13.583	3.55	19.58	1.52
1.600	0.93	7.600	1.86	13.600	3.55	19.60	1.52
1.617	0.93	7.617	1.86	13.617	3.55	19.62	1.52
1.633	0.93	7.633	1.86	13.633	3.55	19.63	1.52
1.650	0.93	7.650	1.86	13.650	3.55	19.65	1.52
1.667	0.93	7.667	1.86	13.667	3.55	19.67	1.52
1.683	0.93	7.683	1.86	13.683	3.55	19.68	1.52
1.700	0.93	7.700	1.86	13.700	3.55	19.70	1.52
1.717	0.93	7.717	1.86	13.717	3.55	19.72	1.52
1.733	0.93	7.733	1.86	13.733	3.55	19.73	1.52
1.750	0.93	7.750	1.86	13.750	3.55	19.75	1.52
1.767	0.93	7.767	1.86	13.767	3.55	19.77	1.52
1.783	0.93	7.783	1.86	13.783	3.55	19.78	1.52
1.800	0.93	7.800	1.86	13.800	3.55	19.80	1.52
1.817	0.93	7.817	1.86	13.817	3.55	19.82	1.52
1.833	0.93	7.833	1.86	13.833	3.55	19.83	1.52
1.850	0.93	7.850	1.86	13.850	3.55	19.85	1.52
1.867	0.93	7.867	1.86	13.867	3.55	19.87	1.52
1.883	0.93	7.883	1.86	13.883	3.55	19.88	1.52
1.900	0.93	7.900	1.86	13.900	3.55	19.90	1.52
1.917	0.93	7.917	1.86	13.917	3.55	19.92	1.52
1.933	0.93	7.933	1.86	13.933	3.55	19.93	1.52
1.950	0.93	7.950	1.86	13.950	3.55	19.95	1.52
1.967	0.93	7.967	1.86	13.967	3.55	19.97	1.52
1.983	0.93	7.983	1.86	13.983	3.55	19.98	1.52
2.000	0.93	8.000	1.86	14.000	3.55	20.00	1.52
2.017	1.10	8.017	2.20	14.017	2.54	20.02	1.02
2.033	1.10	8.033	2.20	14.033	2.54	20.03	1.02
2.050	1.10	8.050	2.20	14.050	2.54	20.05	1.02
2.067	1.10	8.067	2.20	14.067	2.54	20.07	1.02
2.083	1.10	8.083	2.20	14.083	2.54	20.08	1.02
2.100	1.10	8.100	2.20	14.100	2.54	20.10	1.02
2.117	1.10	8.117	2.20	14.117	2.54	20.12	1.02
2.133	1.10	8.133	2.20	14.133	2.54	20.13	1.02
2.150	1.10	8.150	2.20	14.150	2.54	20.15	1.02

2.167	1.10	8.167	2.20	14.167	2.54	20.17	1.02
2.183	1.10	8.183	2.20	14.183	2.54	20.18	1.02
2.200	1.10	8.200	2.20	14.200	2.54	20.20	1.02
2.217	1.10	8.217	2.20	14.217	2.54	20.22	1.02
2.233	1.10	8.233	2.20	14.233	2.54	20.23	1.02
2.250	1.10	8.250	2.20	14.250	2.54	20.25	1.02
2.267	1.10	8.267	2.20	14.267	2.54	20.27	1.02
2.283	1.10	8.283	2.20	14.283	2.54	20.28	1.02
2.300	1.10	8.300	2.20	14.300	2.54	20.30	1.02
2.317	1.10	8.317	2.20	14.317	2.54	20.32	1.02
2.333	1.10	8.333	2.20	14.333	2.54	20.33	1.02
2.350	1.10	8.350	2.20	14.350	2.54	20.35	1.02
2.367	1.10	8.367	2.20	14.367	2.54	20.37	1.02
2.383	1.10	8.383	2.20	14.383	2.54	20.38	1.02
2.400	1.10	8.400	2.20	14.400	2.54	20.40	1.02
2.417	1.10	8.417	2.20	14.417	2.54	20.42	1.02
2.433	1.10	8.433	2.20	14.433	2.54	20.43	1.02
2.450	1.10	8.450	2.20	14.450	2.54	20.45	1.02
2.467	1.10	8.467	2.20	14.467	2.54	20.47	1.02
2.483	1.10	8.483	2.20	14.483	2.54	20.48	1.02
2.500	1.10	8.500	2.20	14.500	2.54	20.50	1.02
2.517	1.10	8.517	2.37	14.517	2.54	20.52	1.02
2.533	1.10	8.533	2.37	14.533	2.54	20.53	1.02
2.550	1.10	8.550	2.37	14.550	2.54	20.55	1.02
2.567	1.10	8.567	2.37	14.567	2.54	20.57	1.02
2.583	1.10	8.583	2.37	14.583	2.54	20.58	1.02
2.600	1.10	8.600	2.37	14.600	2.54	20.60	1.02
2.617	1.10	8.617	2.37	14.617	2.54	20.62	1.02
2.633	1.10	8.633	2.37	14.633	2.54	20.63	1.02
2.650	1.10	8.650	2.37	14.650	2.54	20.65	1.02
2.667	1.10	8.667	2.37	14.667	2.54	20.67	1.02
2.683	1.10	8.683	2.37	14.683	2.54	20.68	1.02
2.700	1.10	8.700	2.37	14.700	2.54	20.70	1.02
2.717	1.10	8.717	2.37	14.717	2.54	20.72	1.02
2.733	1.10	8.733	2.37	14.733	2.54	20.73	1.02
2.750	1.10	8.750	2.37	14.750	2.54	20.75	1.02
2.767	1.10	8.767	2.37	14.767	2.54	20.77	1.02
2.783	1.10	8.783	2.37	14.783	2.54	20.78	1.02
2.800	1.10	8.800	2.37	14.800	2.54	20.80	1.02
2.817	1.10	8.817	2.37	14.817	2.54	20.82	1.02
2.833	1.10	8.833	2.37	14.833	2.54	20.83	1.02
2.850	1.10	8.850	2.37	14.850	2.54	20.85	1.02
2.867	1.10	8.867	2.37	14.867	2.54	20.87	1.02
2.883	1.10	8.883	2.37	14.883	2.54	20.88	1.02
2.900	1.10	8.900	2.37	14.900	2.54	20.90	1.02
2.917	1.10	8.917	2.37	14.917	2.54	20.92	1.02
2.933	1.10	8.933	2.37	14.933	2.54	20.93	1.02
2.950	1.10	8.950	2.37	14.950	2.54	20.95	1.02
2.967	1.10	8.967	2.37	14.967	2.54	20.97	1.02
2.983	1.10	8.983	2.37	14.983	2.54	20.98	1.02
3.000	1.10	9.000	2.37	15.000	2.54	21.00	1.02
3.017	1.10	9.017	2.71	15.017	2.54	21.02	1.02
3.033	1.10	9.033	2.71	15.033	2.54	21.03	1.02
3.050	1.10	9.050	2.71	15.050	2.54	21.05	1.02
3.067	1.10	9.067	2.71	15.067	2.54	21.07	1.02
3.083	1.10	9.083	2.71	15.083	2.54	21.08	1.02
3.100	1.10	9.100	2.71	15.100	2.54	21.10	1.02
3.117	1.10	9.117	2.71	15.117	2.54	21.12	1.02
3.133	1.10	9.133	2.71	15.133	2.54	21.13	1.02
3.150	1.10	9.150	2.71	15.150	2.54	21.15	1.02
3.167	1.10	9.167	2.71	15.167	2.54	21.17	1.02
3.183	1.10	9.183	2.71	15.183	2.54	21.18	1.02
3.200	1.10	9.200	2.71	15.200	2.54	21.20	1.02
3.217	1.10	9.217	2.71	15.217	2.54	21.22	1.02
3.233	1.10	9.233	2.71	15.233	2.54	21.23	1.02
3.250	1.10	9.250	2.71	15.250	2.54	21.25	1.02
3.267	1.10	9.267	2.71	15.267	2.54	21.27	1.02
3.283	1.10	9.283	2.71	15.283	2.54	21.28	1.02
3.300	1.10	9.300	2.71	15.300	2.54	21.30	1.02
3.317	1.10	9.317	2.71	15.317	2.54	21.32	1.02
3.333	1.10	9.333	2.71	15.333	2.54	21.33	1.02
3.350	1.10	9.350	2.71	15.350	2.54	21.35	1.02
3.367	1.10	9.367	2.71	15.367	2.54	21.37	1.02
3.383	1.10	9.383	2.71	15.383	2.54	21.38	1.02
3.400	1.10	9.400	2.71	15.400	2.54	21.40	1.02
3.417	1.10	9.417	2.71	15.417	2.54	21.42	1.02
3.433	1.10	9.433	2.71	15.433	2.54	21.43	1.02
3.450	1.10	9.450	2.71	15.450	2.54	21.45	1.02
3.467	1.10	9.467	2.71	15.467	2.54	21.47	1.02
3.483	1.10	9.483	2.71	15.483	2.54	21.48	1.02
3.500	1.10	9.500	2.71	15.500	2.54	21.50	1.02
3.517	1.10	9.517	3.05	15.517	2.54	21.52	1.02
3.533	1.10	9.533	3.05	15.533	2.54	21.53	1.02
3.550	1.10	9.550	3.05	15.550	2.54	21.55	1.02

3.567	1.10	9.567	3.05	15.567	2.54	21.57	1.02
3.583	1.10	9.583	3.05	15.583	2.54	21.58	1.02
3.600	1.10	9.600	3.05	15.600	2.54	21.60	1.02
3.617	1.10	9.617	3.05	15.617	2.54	21.62	1.02
3.633	1.10	9.633	3.05	15.633	2.54	21.63	1.02
3.650	1.10	9.650	3.05	15.650	2.54	21.65	1.02
3.667	1.10	9.667	3.05	15.667	2.54	21.67	1.02
3.683	1.10	9.683	3.05	15.683	2.54	21.68	1.02
3.700	1.10	9.700	3.05	15.700	2.54	21.70	1.02
3.717	1.10	9.717	3.05	15.717	2.54	21.72	1.02
3.733	1.10	9.733	3.05	15.733	2.54	21.73	1.02
3.750	1.10	9.750	3.05	15.750	2.54	21.75	1.02
3.767	1.10	9.767	3.05	15.767	2.54	21.77	1.02
3.783	1.10	9.783	3.05	15.783	2.54	21.78	1.02
3.800	1.10	9.800	3.05	15.800	2.54	21.80	1.02
3.817	1.10	9.817	3.05	15.817	2.54	21.82	1.02
3.833	1.10	9.833	3.05	15.833	2.54	21.83	1.02
3.850	1.10	9.850	3.05	15.850	2.54	21.85	1.02
3.867	1.10	9.867	3.05	15.867	2.54	21.87	1.02
3.883	1.10	9.883	3.05	15.883	2.54	21.88	1.02
3.900	1.10	9.900	3.05	15.900	2.54	21.90	1.02
3.917	1.10	9.917	3.05	15.917	2.54	21.92	1.02
3.933	1.10	9.933	3.05	15.933	2.54	21.93	1.02
3.950	1.10	9.950	3.05	15.950	2.54	21.95	1.02
3.967	1.10	9.967	3.05	15.967	2.54	21.97	1.02
3.983	1.10	9.983	3.05	15.983	2.54	21.98	1.02
4.000	1.10	10.000	3.05	16.000	2.54	22.00	1.02
4.017	1.35	10.017	3.89	16.017	1.53	22.02	1.02
4.033	1.35	10.033	3.89	16.033	1.52	22.03	1.02
4.050	1.35	10.050	3.89	16.050	1.52	22.05	1.02
4.067	1.35	10.067	3.89	16.067	1.52	22.07	1.02
4.083	1.35	10.083	3.89	16.083	1.52	22.08	1.02
4.100	1.35	10.100	3.89	16.100	1.52	22.10	1.02
4.117	1.35	10.117	3.89	16.117	1.52	22.12	1.02
4.133	1.35	10.133	3.89	16.133	1.52	22.13	1.02
4.150	1.35	10.150	3.89	16.150	1.52	22.15	1.02
4.167	1.35	10.167	3.89	16.167	1.52	22.17	1.02
4.183	1.35	10.183	3.89	16.183	1.52	22.18	1.02
4.200	1.35	10.200	3.89	16.200	1.52	22.20	1.02
4.217	1.35	10.217	3.89	16.217	1.52	22.22	1.02
4.233	1.35	10.233	3.89	16.233	1.52	22.23	1.02
4.250	1.35	10.250	3.89	16.250	1.52	22.25	1.02
4.267	1.35	10.267	3.89	16.267	1.52	22.27	1.02
4.283	1.35	10.283	3.89	16.283	1.52	22.28	1.02
4.300	1.35	10.300	3.89	16.300	1.52	22.30	1.02
4.317	1.35	10.317	3.89	16.317	1.52	22.32	1.02
4.333	1.35	10.333	3.89	16.333	1.52	22.33	1.02
4.350	1.35	10.350	3.89	16.350	1.52	22.35	1.02
4.367	1.35	10.367	3.89	16.367	1.52	22.37	1.02
4.383	1.35	10.383	3.89	16.383	1.52	22.38	1.02
4.400	1.35	10.400	3.89	16.400	1.52	22.40	1.02
4.417	1.35	10.417	3.89	16.417	1.52	22.42	1.02
4.433	1.35	10.433	3.89	16.433	1.52	22.43	1.02
4.450	1.35	10.450	3.89	16.450	1.52	22.45	1.02
4.467	1.35	10.467	3.89	16.467	1.52	22.47	1.02
4.483	1.35	10.483	3.89	16.483	1.52	22.48	1.02
4.500	1.35	10.500	3.89	16.500	1.52	22.50	1.02
4.517	1.35	10.517	5.24	16.517	1.52	22.52	1.02
4.533	1.35	10.533	5.24	16.533	1.52	22.53	1.02
4.550	1.35	10.550	5.24	16.550	1.52	22.55	1.02
4.567	1.35	10.567	5.24	16.567	1.52	22.57	1.02
4.583	1.35	10.583	5.24	16.583	1.52	22.58	1.02
4.600	1.35	10.600	5.24	16.600	1.52	22.60	1.02
4.617	1.35	10.617	5.24	16.617	1.52	22.62	1.02
4.633	1.35	10.633	5.24	16.633	1.52	22.63	1.02
4.650	1.35	10.650	5.24	16.650	1.52	22.65	1.02
4.667	1.35	10.667	5.24	16.667	1.52	22.67	1.02
4.683	1.35	10.683	5.24	16.683	1.52	22.68	1.02
4.700	1.35	10.700	5.24	16.700	1.52	22.70	1.02
4.717	1.35	10.717	5.24	16.717	1.52	22.72	1.02
4.733	1.35	10.733	5.24	16.733	1.52	22.73	1.02
4.750	1.35	10.750	5.24	16.750	1.52	22.75	1.02
4.767	1.35	10.767	5.24	16.767	1.52	22.77	1.02
4.783	1.35	10.783	5.24	16.783	1.52	22.78	1.02
4.800	1.35	10.800	5.24	16.800	1.52	22.80	1.02
4.817	1.35	10.817	5.24	16.817	1.52	22.82	1.02
4.833	1.35	10.833	5.24	16.833	1.52	22.83	1.02
4.850	1.35	10.850	5.24	16.850	1.52	22.85	1.02
4.867	1.35	10.867	5.24	16.867	1.52	22.87	1.02
4.883	1.35	10.883	5.24	16.883	1.52	22.88	1.02
4.900	1.35	10.900	5.24	16.900	1.52	22.90	1.02
4.917	1.35	10.917	5.24	16.917	1.52	22.92	1.02
4.933	1.35	10.933	5.24	16.933	1.52	22.93	1.02
4.950	1.35	10.950	5.24	16.950	1.52	22.95	1.02

4.967	1.35	10.967	5.24	16.967	1.52	22.97	1.02
4.983	1.35	10.983	5.24	16.983	1.52	22.98	1.02
5.000	1.35	11.000	5.25	17.000	1.52	23.00	1.02
5.017	1.35	11.017	8.12	17.017	1.52	23.02	1.02
5.033	1.35	11.033	8.12	17.033	1.52	23.03	1.02
5.050	1.35	11.050	8.12	17.050	1.52	23.05	1.02
5.067	1.35	11.067	8.12	17.067	1.52	23.07	1.02
5.083	1.35	11.083	8.12	17.083	1.52	23.08	1.02
5.100	1.35	11.100	8.12	17.100	1.52	23.10	1.02
5.117	1.35	11.117	8.12	17.117	1.52	23.12	1.02
5.133	1.35	11.133	8.12	17.133	1.52	23.13	1.02
5.150	1.35	11.150	8.12	17.150	1.52	23.15	1.02
5.167	1.35	11.167	8.12	17.167	1.52	23.17	1.02
5.183	1.35	11.183	8.12	17.183	1.52	23.18	1.02
5.200	1.35	11.200	8.12	17.200	1.52	23.20	1.02
5.217	1.35	11.217	8.12	17.217	1.52	23.22	1.02
5.233	1.35	11.233	8.12	17.233	1.52	23.23	1.02
5.250	1.35	11.250	8.12	17.250	1.52	23.25	1.02
5.267	1.35	11.267	8.12	17.267	1.52	23.27	1.02
5.283	1.35	11.283	8.12	17.283	1.52	23.28	1.02
5.300	1.35	11.300	8.12	17.300	1.52	23.30	1.02
5.317	1.35	11.317	8.12	17.317	1.52	23.32	1.02
5.333	1.35	11.333	8.12	17.333	1.52	23.33	1.02
5.350	1.35	11.350	8.12	17.350	1.52	23.35	1.02
5.367	1.35	11.367	8.12	17.367	1.52	23.37	1.02
5.383	1.35	11.383	8.12	17.383	1.52	23.38	1.02
5.400	1.35	11.400	8.12	17.400	1.52	23.40	1.02
5.417	1.35	11.417	8.12	17.417	1.52	23.42	1.02
5.433	1.35	11.433	8.12	17.433	1.52	23.43	1.02
5.450	1.35	11.450	8.12	17.450	1.52	23.45	1.02
5.467	1.35	11.467	8.12	17.467	1.52	23.47	1.02
5.483	1.35	11.483	8.12	17.483	1.52	23.48	1.02
5.500	1.35	11.500	8.12	17.500	1.52	23.50	1.02
5.517	1.35	11.517	25.03	17.517	1.52	23.52	1.02
5.533	1.35	11.533	25.04	17.533	1.52	23.53	1.02
5.550	1.35	11.550	25.04	17.550	1.52	23.55	1.02
5.567	1.35	11.567	25.04	17.567	1.52	23.57	1.02
5.583	1.35	11.583	25.04	17.583	1.52	23.58	1.02
5.600	1.35	11.600	25.04	17.600	1.52	23.60	1.02
5.617	1.35	11.617	25.04	17.617	1.52	23.62	1.02
5.633	1.35	11.633	25.04	17.633	1.52	23.63	1.02
5.650	1.35	11.650	25.04	17.650	1.52	23.65	1.02
5.667	1.35	11.667	25.04	17.667	1.52	23.67	1.02
5.683	1.35	11.683	25.04	17.683	1.52	23.68	1.02
5.700	1.35	11.700	25.04	17.700	1.52	23.70	1.02
5.717	1.35	11.717	25.04	17.717	1.52	23.72	1.02
5.733	1.35	11.733	25.04	17.733	1.52	23.73	1.02
5.750	1.35	11.750	25.04	17.750	1.52	23.75	1.02
5.767	1.35	11.767	103.50	17.767	1.52	23.77	1.02
5.783	1.35	11.783	103.54	17.783	1.52	23.78	1.02
5.800	1.35	11.800	103.54	17.800	1.52	23.80	1.02
5.817	1.35	11.817	103.54	17.817	1.52	23.82	1.02
5.833	1.35	11.833	103.54	17.833	1.52	23.83	1.02
5.850	1.35	11.850	103.54	17.850	1.52	23.85	1.02
5.867	1.35	11.867	103.54	17.867	1.52	23.87	1.02
5.883	1.35	11.883	103.54	17.883	1.52	23.88	1.02
5.900	1.35	11.900	103.54	17.900	1.52	23.90	1.02
5.917	1.35	11.917	103.54	17.917	1.52	23.92	1.02
5.933	1.35	11.933	103.54	17.933	1.52	23.93	1.02
5.950	1.35	11.950	103.54	17.950	1.52	23.95	1.02
5.967	1.35	11.967	103.54	17.967	1.52	23.97	1.02
5.983	1.35	11.983	103.54	17.983	1.52	23.98	1.02
6.000	1.35	12.000	103.54	18.000	1.52	24.00	1.02

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.759 (i)
TIME TO PEAK (hrs)= 12.617
RUNOFF VOLUME (mm)= 16.333
TOTAL RAINFALL (mm)= 84.591
RUNOFF COEFFICIENT = 0.193

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB		
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00
	U.H. Tp(hrs)= 0.40	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.93	6.017	1.52	12.017	12.24	18.02	1.52
0.033	0.93	6.033	1.52	12.033	12.18	18.03	1.52
0.050	0.93	6.050	1.52	12.050	12.18	18.05	1.52
0.067	0.93	6.067	1.52	12.067	12.18	18.07	1.52
0.083	0.93	6.083	1.52	12.083	12.18	18.08	1.52
0.100	0.93	6.100	1.52	12.100	12.18	18.10	1.52
0.117	0.93	6.117	1.52	12.117	12.18	18.12	1.52
0.133	0.93	6.133	1.52	12.133	12.18	18.13	1.52
0.150	0.93	6.150	1.52	12.150	12.18	18.15	1.52
0.167	0.93	6.167	1.52	12.167	12.18	18.17	1.52
0.183	0.93	6.183	1.52	12.183	12.18	18.18	1.52
0.200	0.93	6.200	1.52	12.200	12.18	18.20	1.52
0.217	0.93	6.217	1.52	12.217	12.18	18.22	1.52
0.233	0.93	6.233	1.52	12.233	12.18	18.23	1.52
0.250	0.93	6.250	1.52	12.250	12.18	18.25	1.52
0.267	0.93	6.267	1.52	12.267	12.18	18.27	1.52
0.283	0.93	6.283	1.52	12.283	12.18	18.28	1.52
0.300	0.93	6.300	1.52	12.300	12.18	18.30	1.52
0.317	0.93	6.317	1.52	12.317	12.18	18.32	1.52
0.333	0.93	6.333	1.52	12.333	12.18	18.33	1.52
0.350	0.93	6.350	1.52	12.350	12.18	18.35	1.52
0.367	0.93	6.367	1.52	12.367	12.18	18.37	1.52
0.383	0.93	6.383	1.52	12.383	12.18	18.38	1.52
0.400	0.93	6.400	1.52	12.400	12.18	18.40	1.52
0.417	0.93	6.417	1.52	12.417	12.18	18.42	1.52
0.433	0.93	6.433	1.52	12.433	12.18	18.43	1.52
0.450	0.93	6.450	1.52	12.450	12.18	18.45	1.52
0.467	0.93	6.467	1.52	12.467	12.18	18.47	1.52
0.483	0.93	6.483	1.52	12.483	12.18	18.48	1.52
0.500	0.93	6.500	1.52	12.500	12.18	18.50	1.52
0.517	0.93	6.517	1.52	12.517	6.27	18.52	1.52
0.533	0.93	6.533	1.52	12.533	6.26	18.53	1.52
0.550	0.93	6.550	1.52	12.550	6.26	18.55	1.52
0.567	0.93	6.567	1.52	12.567	6.26	18.57	1.52
0.583	0.93	6.583	1.52	12.583	6.26	18.58	1.52
0.600	0.93	6.600	1.52	12.600	6.26	18.60	1.52
0.617	0.93	6.617	1.52	12.617	6.26	18.62	1.52
0.633	0.93	6.633	1.52	12.633	6.26	18.63	1.52
0.650	0.93	6.650	1.52	12.650	6.26	18.65	1.52
0.667	0.93	6.667	1.52	12.667	6.26	18.67	1.52
0.683	0.93	6.683	1.52	12.683	6.26	18.68	1.52
0.700	0.93	6.700	1.52	12.700	6.26	18.70	1.52
0.717	0.93	6.717	1.52	12.717	6.26	18.72	1.52
0.733	0.93	6.733	1.52	12.733	6.26	18.73	1.52
0.750	0.93	6.750	1.52	12.750	6.26	18.75	1.52
0.767	0.93	6.767	1.52	12.767	6.26	18.77	1.52
0.783	0.93	6.783	1.52	12.783	6.26	18.78	1.52
0.800	0.93	6.800	1.52	12.800	6.26	18.80	1.52
0.817	0.93	6.817	1.52	12.817	6.26	18.82	1.52
0.833	0.93	6.833	1.52	12.833	6.26	18.83	1.52
0.850	0.93	6.850	1.52	12.850	6.26	18.85	1.52
0.867	0.93	6.867	1.52	12.867	6.26	18.87	1.52
0.883	0.93	6.883	1.52	12.883	6.26	18.88	1.52
0.900	0.93	6.900	1.52	12.900	6.26	18.90	1.52
0.917	0.93	6.917	1.52	12.917	6.26	18.92	1.52
0.933	0.93	6.933	1.52	12.933	6.26	18.93	1.52
0.950	0.93	6.950	1.52	12.950	6.26	18.95	1.52
0.967	0.93	6.967	1.52	12.967	6.26	18.97	1.52
0.983	0.93	6.983	1.52	12.983	6.26	18.98	1.52
1.000	0.93	7.000	1.52	13.000	6.26	19.00	1.52
1.017	0.93	7.017	1.86	13.017	4.57	19.02	1.52
1.033	0.93	7.033	1.86	13.033	4.57	19.03	1.52
1.050	0.93	7.050	1.86	13.050	4.57	19.05	1.52
1.067	0.93	7.067	1.86	13.067	4.57	19.07	1.52
1.083	0.93	7.083	1.86	13.083	4.57	19.08	1.52
1.100	0.93	7.100	1.86	13.100	4.57	19.10	1.52
1.117	0.93	7.117	1.86	13.117	4.57	19.12	1.52
1.133	0.93	7.133	1.86	13.133	4.57	19.13	1.52
1.150	0.93	7.150	1.86	13.150	4.57	19.15	1.52
1.167	0.93	7.167	1.86	13.167	4.57	19.17	1.52
1.183	0.93	7.183	1.86	13.183	4.57	19.18	1.52
1.200	0.93	7.200	1.86	13.200	4.57	19.20	1.52
1.217	0.93	7.217	1.86	13.217	4.57	19.22	1.52
1.233	0.93	7.233	1.86	13.233	4.57	19.23	1.52
1.250	0.93	7.250	1.86	13.250	4.57	19.25	1.52
1.267	0.93	7.267	1.86	13.267	4.57	19.27	1.52
1.283	0.93	7.283	1.86	13.283	4.57	19.28	1.52
1.300	0.93	7.300	1.86	13.300	4.57	19.30	1.52
1.317	0.93	7.317	1.86	13.317	4.57	19.32	1.52
1.333	0.93	7.333	1.86	13.333	4.57	19.33	1.52
1.350	0.93	7.350	1.86	13.350	4.57	19.35	1.52

1.367	0.93	7.367	1.86	13.367	4.57	19.37	1.52
1.383	0.93	7.383	1.86	13.383	4.57	19.38	1.52
1.400	0.93	7.400	1.86	13.400	4.57	19.40	1.52
1.417	0.93	7.417	1.86	13.417	4.57	19.42	1.52
1.433	0.93	7.433	1.86	13.433	4.57	19.43	1.52
1.450	0.93	7.450	1.86	13.450	4.57	19.45	1.52
1.467	0.93	7.467	1.86	13.467	4.57	19.47	1.52
1.483	0.93	7.483	1.86	13.483	4.57	19.48	1.52
1.500	0.93	7.500	1.86	13.500	4.57	19.50	1.52
1.517	0.93	7.517	1.86	13.517	3.55	19.52	1.52
1.533	0.93	7.533	1.86	13.533	3.55	19.53	1.52
1.550	0.93	7.550	1.86	13.550	3.55	19.55	1.52
1.567	0.93	7.567	1.86	13.567	3.55	19.57	1.52
1.583	0.93	7.583	1.86	13.583	3.55	19.58	1.52
1.600	0.93	7.600	1.86	13.600	3.55	19.60	1.52
1.617	0.93	7.617	1.86	13.617	3.55	19.62	1.52
1.633	0.93	7.633	1.86	13.633	3.55	19.63	1.52
1.650	0.93	7.650	1.86	13.650	3.55	19.65	1.52
1.667	0.93	7.667	1.86	13.667	3.55	19.67	1.52
1.683	0.93	7.683	1.86	13.683	3.55	19.68	1.52
1.700	0.93	7.700	1.86	13.700	3.55	19.70	1.52
1.717	0.93	7.717	1.86	13.717	3.55	19.72	1.52
1.733	0.93	7.733	1.86	13.733	3.55	19.73	1.52
1.750	0.93	7.750	1.86	13.750	3.55	19.75	1.52
1.767	0.93	7.767	1.86	13.767	3.55	19.77	1.52
1.783	0.93	7.783	1.86	13.783	3.55	19.78	1.52
1.800	0.93	7.800	1.86	13.800	3.55	19.80	1.52
1.817	0.93	7.817	1.86	13.817	3.55	19.82	1.52
1.833	0.93	7.833	1.86	13.833	3.55	19.83	1.52
1.850	0.93	7.850	1.86	13.850	3.55	19.85	1.52
1.867	0.93	7.867	1.86	13.867	3.55	19.87	1.52
1.883	0.93	7.883	1.86	13.883	3.55	19.88	1.52
1.900	0.93	7.900	1.86	13.900	3.55	19.90	1.52
1.917	0.93	7.917	1.86	13.917	3.55	19.92	1.52
1.933	0.93	7.933	1.86	13.933	3.55	19.93	1.52
1.950	0.93	7.950	1.86	13.950	3.55	19.95	1.52
1.967	0.93	7.967	1.86	13.967	3.55	19.97	1.52
1.983	0.93	7.983	1.86	13.983	3.55	19.98	1.52
2.000	0.93	8.000	1.86	14.000	3.55	20.00	1.52
2.017	1.10	8.017	2.20	14.017	2.54	20.02	1.02
2.033	1.10	8.033	2.20	14.033	2.54	20.03	1.02
2.050	1.10	8.050	2.20	14.050	2.54	20.05	1.02
2.067	1.10	8.067	2.20	14.067	2.54	20.07	1.02
2.083	1.10	8.083	2.20	14.083	2.54	20.08	1.02
2.100	1.10	8.100	2.20	14.100	2.54	20.10	1.02
2.117	1.10	8.117	2.20	14.117	2.54	20.12	1.02
2.133	1.10	8.133	2.20	14.133	2.54	20.13	1.02
2.150	1.10	8.150	2.20	14.150	2.54	20.15	1.02
2.167	1.10	8.167	2.20	14.167	2.54	20.17	1.02
2.183	1.10	8.183	2.20	14.183	2.54	20.18	1.02
2.200	1.10	8.200	2.20	14.200	2.54	20.20	1.02
2.217	1.10	8.217	2.20	14.217	2.54	20.22	1.02
2.233	1.10	8.233	2.20	14.233	2.54	20.23	1.02
2.250	1.10	8.250	2.20	14.250	2.54	20.25	1.02
2.267	1.10	8.267	2.20	14.267	2.54	20.27	1.02
2.283	1.10	8.283	2.20	14.283	2.54	20.28	1.02
2.300	1.10	8.300	2.20	14.300	2.54	20.30	1.02
2.317	1.10	8.317	2.20	14.317	2.54	20.32	1.02
2.333	1.10	8.333	2.20	14.333	2.54	20.33	1.02
2.350	1.10	8.350	2.20	14.350	2.54	20.35	1.02
2.367	1.10	8.367	2.20	14.367	2.54	20.37	1.02
2.383	1.10	8.383	2.20	14.383	2.54	20.38	1.02
2.400	1.10	8.400	2.20	14.400	2.54	20.40	1.02
2.417	1.10	8.417	2.20	14.417	2.54	20.42	1.02
2.433	1.10	8.433	2.20	14.433	2.54	20.43	1.02
2.450	1.10	8.450	2.20	14.450	2.54	20.45	1.02
2.467	1.10	8.467	2.20	14.467	2.54	20.47	1.02
2.483	1.10	8.483	2.20	14.483	2.54	20.48	1.02
2.500	1.10	8.500	2.20	14.500	2.54	20.50	1.02
2.517	1.10	8.517	2.37	14.517	2.54	20.52	1.02
2.533	1.10	8.533	2.37	14.533	2.54	20.53	1.02
2.550	1.10	8.550	2.37	14.550	2.54	20.55	1.02
2.567	1.10	8.567	2.37	14.567	2.54	20.57	1.02
2.583	1.10	8.583	2.37	14.583	2.54	20.58	1.02
2.600	1.10	8.600	2.37	14.600	2.54	20.60	1.02
2.617	1.10	8.617	2.37	14.617	2.54	20.62	1.02
2.633	1.10	8.633	2.37	14.633	2.54	20.63	1.02
2.650	1.10	8.650	2.37	14.650	2.54	20.65	1.02
2.667	1.10	8.667	2.37	14.667	2.54	20.67	1.02
2.683	1.10	8.683	2.37	14.683	2.54	20.68	1.02
2.700	1.10	8.700	2.37	14.700	2.54	20.70	1.02
2.717	1.10	8.717	2.37	14.717	2.54	20.72	1.02
2.733	1.10	8.733	2.37	14.733	2.54	20.73	1.02
2.750	1.10	8.750	2.37	14.750	2.54	20.75	1.02

2.767	1.10	8.767	2.37	14.767	2.54	20.77	1.02
2.783	1.10	8.783	2.37	14.783	2.54	20.78	1.02
2.800	1.10	8.800	2.37	14.800	2.54	20.80	1.02
2.817	1.10	8.817	2.37	14.817	2.54	20.82	1.02
2.833	1.10	8.833	2.37	14.833	2.54	20.83	1.02
2.850	1.10	8.850	2.37	14.850	2.54	20.85	1.02
2.867	1.10	8.867	2.37	14.867	2.54	20.87	1.02
2.883	1.10	8.883	2.37	14.883	2.54	20.88	1.02
2.900	1.10	8.900	2.37	14.900	2.54	20.90	1.02
2.917	1.10	8.917	2.37	14.917	2.54	20.92	1.02
2.933	1.10	8.933	2.37	14.933	2.54	20.93	1.02
2.950	1.10	8.950	2.37	14.950	2.54	20.95	1.02
2.967	1.10	8.967	2.37	14.967	2.54	20.97	1.02
2.983	1.10	8.983	2.37	14.983	2.54	20.98	1.02
3.000	1.10	9.000	2.37	15.000	2.54	21.00	1.02
3.017	1.10	9.017	2.71	15.017	2.54	21.02	1.02
3.033	1.10	9.033	2.71	15.033	2.54	21.03	1.02
3.050	1.10	9.050	2.71	15.050	2.54	21.05	1.02
3.067	1.10	9.067	2.71	15.067	2.54	21.07	1.02
3.083	1.10	9.083	2.71	15.083	2.54	21.08	1.02
3.100	1.10	9.100	2.71	15.100	2.54	21.10	1.02
3.117	1.10	9.117	2.71	15.117	2.54	21.12	1.02
3.133	1.10	9.133	2.71	15.133	2.54	21.13	1.02
3.150	1.10	9.150	2.71	15.150	2.54	21.15	1.02
3.167	1.10	9.167	2.71	15.167	2.54	21.17	1.02
3.183	1.10	9.183	2.71	15.183	2.54	21.18	1.02
3.200	1.10	9.200	2.71	15.200	2.54	21.20	1.02
3.217	1.10	9.217	2.71	15.217	2.54	21.22	1.02
3.233	1.10	9.233	2.71	15.233	2.54	21.23	1.02
3.250	1.10	9.250	2.71	15.250	2.54	21.25	1.02
3.267	1.10	9.267	2.71	15.267	2.54	21.27	1.02
3.283	1.10	9.283	2.71	15.283	2.54	21.28	1.02
3.300	1.10	9.300	2.71	15.300	2.54	21.30	1.02
3.317	1.10	9.317	2.71	15.317	2.54	21.32	1.02
3.333	1.10	9.333	2.71	15.333	2.54	21.33	1.02
3.350	1.10	9.350	2.71	15.350	2.54	21.35	1.02
3.367	1.10	9.367	2.71	15.367	2.54	21.37	1.02
3.383	1.10	9.383	2.71	15.383	2.54	21.38	1.02
3.400	1.10	9.400	2.71	15.400	2.54	21.40	1.02
3.417	1.10	9.417	2.71	15.417	2.54	21.42	1.02
3.433	1.10	9.433	2.71	15.433	2.54	21.43	1.02
3.450	1.10	9.450	2.71	15.450	2.54	21.45	1.02
3.467	1.10	9.467	2.71	15.467	2.54	21.47	1.02
3.483	1.10	9.483	2.71	15.483	2.54	21.48	1.02
3.500	1.10	9.500	2.71	15.500	2.54	21.50	1.02
3.517	1.10	9.517	3.05	15.517	2.54	21.52	1.02
3.533	1.10	9.533	3.05	15.533	2.54	21.53	1.02
3.550	1.10	9.550	3.05	15.550	2.54	21.55	1.02
3.567	1.10	9.567	3.05	15.567	2.54	21.57	1.02
3.583	1.10	9.583	3.05	15.583	2.54	21.58	1.02
3.600	1.10	9.600	3.05	15.600	2.54	21.60	1.02
3.617	1.10	9.617	3.05	15.617	2.54	21.62	1.02
3.633	1.10	9.633	3.05	15.633	2.54	21.63	1.02
3.650	1.10	9.650	3.05	15.650	2.54	21.65	1.02
3.667	1.10	9.667	3.05	15.667	2.54	21.67	1.02
3.683	1.10	9.683	3.05	15.683	2.54	21.68	1.02
3.700	1.10	9.700	3.05	15.700	2.54	21.70	1.02
3.717	1.10	9.717	3.05	15.717	2.54	21.72	1.02
3.733	1.10	9.733	3.05	15.733	2.54	21.73	1.02
3.750	1.10	9.750	3.05	15.750	2.54	21.75	1.02
3.767	1.10	9.767	3.05	15.767	2.54	21.77	1.02
3.783	1.10	9.783	3.05	15.783	2.54	21.78	1.02
3.800	1.10	9.800	3.05	15.800	2.54	21.80	1.02
3.817	1.10	9.817	3.05	15.817	2.54	21.82	1.02
3.833	1.10	9.833	3.05	15.833	2.54	21.83	1.02
3.850	1.10	9.850	3.05	15.850	2.54	21.85	1.02
3.867	1.10	9.867	3.05	15.867	2.54	21.87	1.02
3.883	1.10	9.883	3.05	15.883	2.54	21.88	1.02
3.900	1.10	9.900	3.05	15.900	2.54	21.90	1.02
3.917	1.10	9.917	3.05	15.917	2.54	21.92	1.02
3.933	1.10	9.933	3.05	15.933	2.54	21.93	1.02
3.950	1.10	9.950	3.05	15.950	2.54	21.95	1.02
3.967	1.10	9.967	3.05	15.967	2.54	21.97	1.02
3.983	1.10	9.983	3.05	15.983	2.54	21.98	1.02
4.000	1.10	10.000	3.05	16.000	2.54	22.00	1.02
4.017	1.35	10.017	3.89	16.017	1.53	22.02	1.02
4.033	1.35	10.033	3.89	16.033	1.52	22.03	1.02
4.050	1.35	10.050	3.89	16.050	1.52	22.05	1.02
4.067	1.35	10.067	3.89	16.067	1.52	22.07	1.02
4.083	1.35	10.083	3.89	16.083	1.52	22.08	1.02
4.100	1.35	10.100	3.89	16.100	1.52	22.10	1.02
4.117	1.35	10.117	3.89	16.117	1.52	22.12	1.02
4.133	1.35	10.133	3.89	16.133	1.52	22.13	1.02
4.150	1.35	10.150	3.89	16.150	1.52	22.15	1.02

4.167	1.35	10.167	3.89	16.167	1.52	22.17	1.02
4.183	1.35	10.183	3.89	16.183	1.52	22.18	1.02
4.200	1.35	10.200	3.89	16.200	1.52	22.20	1.02
4.217	1.35	10.217	3.89	16.217	1.52	22.22	1.02
4.233	1.35	10.233	3.89	16.233	1.52	22.23	1.02
4.250	1.35	10.250	3.89	16.250	1.52	22.25	1.02
4.267	1.35	10.267	3.89	16.267	1.52	22.27	1.02
4.283	1.35	10.283	3.89	16.283	1.52	22.28	1.02
4.300	1.35	10.300	3.89	16.300	1.52	22.30	1.02
4.317	1.35	10.317	3.89	16.317	1.52	22.32	1.02
4.333	1.35	10.333	3.89	16.333	1.52	22.33	1.02
4.350	1.35	10.350	3.89	16.350	1.52	22.35	1.02
4.367	1.35	10.367	3.89	16.367	1.52	22.37	1.02
4.383	1.35	10.383	3.89	16.383	1.52	22.38	1.02
4.400	1.35	10.400	3.89	16.400	1.52	22.40	1.02
4.417	1.35	10.417	3.89	16.417	1.52	22.42	1.02
4.433	1.35	10.433	3.89	16.433	1.52	22.43	1.02
4.450	1.35	10.450	3.89	16.450	1.52	22.45	1.02
4.467	1.35	10.467	3.89	16.467	1.52	22.47	1.02
4.483	1.35	10.483	3.89	16.483	1.52	22.48	1.02
4.500	1.35	10.500	3.89	16.500	1.52	22.50	1.02
4.517	1.35	10.517	5.24	16.517	1.52	22.52	1.02
4.533	1.35	10.533	5.24	16.533	1.52	22.53	1.02
4.550	1.35	10.550	5.24	16.550	1.52	22.55	1.02
4.567	1.35	10.567	5.24	16.567	1.52	22.57	1.02
4.583	1.35	10.583	5.24	16.583	1.52	22.58	1.02
4.600	1.35	10.600	5.24	16.600	1.52	22.60	1.02
4.617	1.35	10.617	5.24	16.617	1.52	22.62	1.02
4.633	1.35	10.633	5.24	16.633	1.52	22.63	1.02
4.650	1.35	10.650	5.24	16.650	1.52	22.65	1.02
4.667	1.35	10.667	5.24	16.667	1.52	22.67	1.02
4.683	1.35	10.683	5.24	16.683	1.52	22.68	1.02
4.700	1.35	10.700	5.24	16.700	1.52	22.70	1.02
4.717	1.35	10.717	5.24	16.717	1.52	22.72	1.02
4.733	1.35	10.733	5.24	16.733	1.52	22.73	1.02
4.750	1.35	10.750	5.24	16.750	1.52	22.75	1.02
4.767	1.35	10.767	5.24	16.767	1.52	22.77	1.02
4.783	1.35	10.783	5.24	16.783	1.52	22.78	1.02
4.800	1.35	10.800	5.24	16.800	1.52	22.80	1.02
4.817	1.35	10.817	5.24	16.817	1.52	22.82	1.02
4.833	1.35	10.833	5.24	16.833	1.52	22.83	1.02
4.850	1.35	10.850	5.24	16.850	1.52	22.85	1.02
4.867	1.35	10.867	5.24	16.867	1.52	22.87	1.02
4.883	1.35	10.883	5.24	16.883	1.52	22.88	1.02
4.900	1.35	10.900	5.24	16.900	1.52	22.90	1.02
4.917	1.35	10.917	5.24	16.917	1.52	22.92	1.02
4.933	1.35	10.933	5.24	16.933	1.52	22.93	1.02
4.950	1.35	10.950	5.24	16.950	1.52	22.95	1.02
4.967	1.35	10.967	5.24	16.967	1.52	22.97	1.02
4.983	1.35	10.983	5.24	16.983	1.52	22.98	1.02
5.000	1.35	11.000	5.25	17.000	1.52	23.00	1.02
5.017	1.35	11.017	8.12	17.017	1.52	23.02	1.02
5.033	1.35	11.033	8.12	17.033	1.52	23.03	1.02
5.050	1.35	11.050	8.12	17.050	1.52	23.05	1.02
5.067	1.35	11.067	8.12	17.067	1.52	23.07	1.02
5.083	1.35	11.083	8.12	17.083	1.52	23.08	1.02
5.100	1.35	11.100	8.12	17.100	1.52	23.10	1.02
5.117	1.35	11.117	8.12	17.117	1.52	23.12	1.02
5.133	1.35	11.133	8.12	17.133	1.52	23.13	1.02
5.150	1.35	11.150	8.12	17.150	1.52	23.15	1.02
5.167	1.35	11.167	8.12	17.167	1.52	23.17	1.02
5.183	1.35	11.183	8.12	17.183	1.52	23.18	1.02
5.200	1.35	11.200	8.12	17.200	1.52	23.20	1.02
5.217	1.35	11.217	8.12	17.217	1.52	23.22	1.02
5.233	1.35	11.233	8.12	17.233	1.52	23.23	1.02
5.250	1.35	11.250	8.12	17.250	1.52	23.25	1.02
5.267	1.35	11.267	8.12	17.267	1.52	23.27	1.02
5.283	1.35	11.283	8.12	17.283	1.52	23.28	1.02
5.300	1.35	11.300	8.12	17.300	1.52	23.30	1.02
5.317	1.35	11.317	8.12	17.317	1.52	23.32	1.02
5.333	1.35	11.333	8.12	17.333	1.52	23.33	1.02
5.350	1.35	11.350	8.12	17.350	1.52	23.35	1.02
5.367	1.35	11.367	8.12	17.367	1.52	23.37	1.02
5.383	1.35	11.383	8.12	17.383	1.52	23.38	1.02
5.400	1.35	11.400	8.12	17.400	1.52	23.40	1.02
5.417	1.35	11.417	8.12	17.417	1.52	23.42	1.02
5.433	1.35	11.433	8.12	17.433	1.52	23.43	1.02
5.450	1.35	11.450	8.12	17.450	1.52	23.45	1.02
5.467	1.35	11.467	8.12	17.467	1.52	23.47	1.02
5.483	1.35	11.483	8.12	17.483	1.52	23.48	1.02
5.500	1.35	11.500	8.12	17.500	1.52	23.50	1.02
5.517	1.35	11.517	25.03	17.517	1.52	23.52	1.02
5.533	1.35	11.533	25.04	17.533	1.52	23.53	1.02
5.550	1.35	11.550	25.04	17.550	1.52	23.55	1.02

5.567	1.35	11.567	25.04	17.567	1.52	23.57	1.02
5.583	1.35	11.583	25.04	17.583	1.52	23.58	1.02
5.600	1.35	11.600	25.04	17.600	1.52	23.60	1.02
5.617	1.35	11.617	25.04	17.617	1.52	23.62	1.02
5.633	1.35	11.633	25.04	17.633	1.52	23.63	1.02
5.650	1.35	11.650	25.04	17.650	1.52	23.65	1.02
5.667	1.35	11.667	25.04	17.667	1.52	23.67	1.02
5.683	1.35	11.683	25.04	17.683	1.52	23.68	1.02
5.700	1.35	11.700	25.04	17.700	1.52	23.70	1.02
5.717	1.35	11.717	25.04	17.717	1.52	23.72	1.02
5.733	1.35	11.733	25.04	17.733	1.52	23.73	1.02
5.750	1.35	11.750	25.04	17.750	1.52	23.75	1.02
5.767	1.35	11.767	103.50	17.767	1.52	23.77	1.02
5.783	1.35	11.783	103.54	17.783	1.52	23.78	1.02
5.800	1.35	11.800	103.54	17.800	1.52	23.80	1.02
5.817	1.35	11.817	103.54	17.817	1.52	23.82	1.02
5.833	1.35	11.833	103.54	17.833	1.52	23.83	1.02
5.850	1.35	11.850	103.54	17.850	1.52	23.85	1.02
5.867	1.35	11.867	103.54	17.867	1.52	23.87	1.02
5.883	1.35	11.883	103.54	17.883	1.52	23.88	1.02
5.900	1.35	11.900	103.54	17.900	1.52	23.90	1.02
5.917	1.35	11.917	103.54	17.917	1.52	23.92	1.02
5.933	1.35	11.933	103.54	17.933	1.52	23.93	1.02
5.950	1.35	11.950	103.54	17.950	1.52	23.95	1.02
5.967	1.35	11.967	103.54	17.967	1.52	23.97	1.02
5.983	1.35	11.983	103.54	17.983	1.52	23.98	1.02
6.000	1.35	12.000	103.54	18.000	1.52	24.00	1.02

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.657 (i)
 TIME TO PEAK (hrs)= 12.317
 RUNOFF VOLUME (mm)= 21.609
 TOTAL RAINFALL (mm)= 84.591
 RUNOFF COEFFICIENT = 0.255

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)				
1 + 2 = 3				

	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0004):	33.05	0.759	12.62	16.33
+ ID2= 2 (0007):	15.86	0.657	12.32	21.61
=====				
ID = 3 (0006):	48.92	1.339	12.45	23.35

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:4.4 SCS II 24hr 25yr **

CALIB			
NASHYD (0004)			
ID= 1 DT= 1.0 min			

Area	(ha)=	33.05	Curve Number (CN)= 58.0
Ia	(mm)=	10.00	# of Linear Res.(N)= 3.00
U.H. Tp	(hrs)=	0.64	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.09	6.017	1.78	12.017	14.30	18.02	1.78
0.033	1.09	6.033	1.78	12.033	14.22	18.03	1.78
0.050	1.09	6.050	1.78	12.050	14.22	18.05	1.78
0.067	1.09	6.067	1.78	12.067	14.22	18.07	1.78
0.083	1.09	6.083	1.78	12.083	14.22	18.08	1.78
0.100	1.09	6.100	1.78	12.100	14.22	18.10	1.78
0.117	1.09	6.117	1.78	12.117	14.22	18.12	1.78
0.133	1.09	6.133	1.78	12.133	14.22	18.13	1.78
0.150	1.09	6.150	1.78	12.150	14.22	18.15	1.78
0.167	1.09	6.167	1.78	12.167	14.22	18.17	1.78
0.183	1.09	6.183	1.78	12.183	14.22	18.18	1.78
0.200	1.09	6.200	1.78	12.200	14.22	18.20	1.78
0.217	1.09	6.217	1.78	12.217	14.22	18.22	1.78
0.233	1.09	6.233	1.78	12.233	14.22	18.23	1.78
0.250	1.09	6.250	1.78	12.250	14.22	18.25	1.78
0.267	1.09	6.267	1.78	12.267	14.22	18.27	1.78
0.283	1.09	6.283	1.78	12.283	14.22	18.28	1.78
0.300	1.09	6.300	1.78	12.300	14.22	18.30	1.78

0.317	1.09	6.317	1.78	12.317	14.22	18.32	1.78
0.333	1.09	6.333	1.78	12.333	14.22	18.33	1.78
0.350	1.09	6.350	1.78	12.350	14.22	18.35	1.78
0.367	1.09	6.367	1.78	12.367	14.22	18.37	1.78
0.383	1.09	6.383	1.78	12.383	14.22	18.38	1.78
0.400	1.09	6.400	1.78	12.400	14.22	18.40	1.78
0.417	1.09	6.417	1.78	12.417	14.22	18.42	1.78
0.433	1.09	6.433	1.78	12.433	14.22	18.43	1.78
0.450	1.09	6.450	1.78	12.450	14.22	18.45	1.78
0.467	1.09	6.467	1.78	12.467	14.22	18.47	1.78
0.483	1.09	6.483	1.78	12.483	14.22	18.48	1.78
0.500	1.09	6.500	1.78	12.500	14.22	18.50	1.78
0.517	1.09	6.517	1.78	12.517	7.32	18.52	1.78
0.533	1.09	6.533	1.78	12.533	7.31	18.53	1.78
0.550	1.09	6.550	1.78	12.550	7.31	18.55	1.78
0.567	1.09	6.567	1.78	12.567	7.31	18.57	1.78
0.583	1.09	6.583	1.78	12.583	7.31	18.58	1.78
0.600	1.09	6.600	1.78	12.600	7.31	18.60	1.78
0.617	1.09	6.617	1.78	12.617	7.31	18.62	1.78
0.633	1.09	6.633	1.78	12.633	7.31	18.63	1.78
0.650	1.09	6.650	1.78	12.650	7.31	18.65	1.78
0.667	1.09	6.667	1.78	12.667	7.31	18.67	1.78
0.683	1.09	6.683	1.78	12.683	7.31	18.68	1.78
0.700	1.09	6.700	1.78	12.700	7.31	18.70	1.78
0.717	1.09	6.717	1.78	12.717	7.31	18.72	1.78
0.733	1.09	6.733	1.78	12.733	7.31	18.73	1.78
0.750	1.09	6.750	1.78	12.750	7.31	18.75	1.78
0.767	1.09	6.767	1.78	12.767	7.31	18.77	1.78
0.783	1.09	6.783	1.78	12.783	7.31	18.78	1.78
0.800	1.09	6.800	1.78	12.800	7.31	18.80	1.78
0.817	1.09	6.817	1.78	12.817	7.31	18.82	1.78
0.833	1.09	6.833	1.78	12.833	7.31	18.83	1.78
0.850	1.09	6.850	1.78	12.850	7.31	18.85	1.78
0.867	1.09	6.867	1.78	12.867	7.31	18.87	1.78
0.883	1.09	6.883	1.78	12.883	7.31	18.88	1.78
0.900	1.09	6.900	1.78	12.900	7.31	18.90	1.78
0.917	1.09	6.917	1.78	12.917	7.31	18.92	1.78
0.933	1.09	6.933	1.78	12.933	7.31	18.93	1.78
0.950	1.09	6.950	1.78	12.950	7.31	18.95	1.78
0.967	1.09	6.967	1.78	12.967	7.31	18.97	1.78
0.983	1.09	6.983	1.78	12.983	7.31	18.98	1.78
1.000	1.09	7.000	1.78	13.000	7.31	19.00	1.78
1.017	1.09	7.017	2.17	13.017	5.34	19.02	1.78
1.033	1.09	7.033	2.17	13.033	5.33	19.03	1.78
1.050	1.09	7.050	2.17	13.050	5.33	19.05	1.78
1.067	1.09	7.067	2.17	13.067	5.33	19.07	1.78
1.083	1.09	7.083	2.17	13.083	5.33	19.08	1.78
1.100	1.09	7.100	2.17	13.100	5.33	19.10	1.78
1.117	1.09	7.117	2.17	13.117	5.33	19.12	1.78
1.133	1.09	7.133	2.17	13.133	5.33	19.13	1.78
1.150	1.09	7.150	2.17	13.150	5.33	19.15	1.78
1.167	1.09	7.167	2.17	13.167	5.33	19.17	1.78
1.183	1.09	7.183	2.17	13.183	5.33	19.18	1.78
1.200	1.09	7.200	2.17	13.200	5.33	19.20	1.78
1.217	1.09	7.217	2.17	13.217	5.33	19.22	1.78
1.233	1.09	7.233	2.17	13.233	5.33	19.23	1.78
1.250	1.09	7.250	2.17	13.250	5.33	19.25	1.78
1.267	1.09	7.267	2.17	13.267	5.33	19.27	1.78
1.283	1.09	7.283	2.17	13.283	5.33	19.28	1.78
1.300	1.09	7.300	2.17	13.300	5.33	19.30	1.78
1.317	1.09	7.317	2.17	13.317	5.33	19.32	1.78
1.333	1.09	7.333	2.17	13.333	5.33	19.33	1.78
1.350	1.09	7.350	2.17	13.350	5.33	19.35	1.78
1.367	1.09	7.367	2.17	13.367	5.33	19.37	1.78
1.383	1.09	7.383	2.17	13.383	5.33	19.38	1.78
1.400	1.09	7.400	2.17	13.400	5.33	19.40	1.78
1.417	1.09	7.417	2.17	13.417	5.33	19.42	1.78
1.433	1.09	7.433	2.17	13.433	5.33	19.43	1.78
1.450	1.09	7.450	2.17	13.450	5.33	19.45	1.78
1.467	1.09	7.467	2.17	13.467	5.33	19.47	1.78
1.483	1.09	7.483	2.17	13.483	5.33	19.48	1.78
1.500	1.09	7.500	2.17	13.500	5.33	19.50	1.78
1.517	1.09	7.517	2.17	13.517	4.15	19.52	1.78
1.533	1.09	7.533	2.17	13.533	4.15	19.53	1.78
1.550	1.09	7.550	2.17	13.550	4.15	19.55	1.78
1.567	1.09	7.567	2.17	13.567	4.15	19.57	1.78
1.583	1.09	7.583	2.17	13.583	4.15	19.58	1.78
1.600	1.09	7.600	2.17	13.600	4.15	19.60	1.78
1.617	1.09	7.617	2.17	13.617	4.15	19.62	1.78
1.633	1.09	7.633	2.17	13.633	4.15	19.63	1.78
1.650	1.09	7.650	2.17	13.650	4.15	19.65	1.78
1.667	1.09	7.667	2.17	13.667	4.15	19.67	1.78
1.683	1.09	7.683	2.17	13.683	4.15	19.68	1.78
1.700	1.09	7.700	2.17	13.700	4.15	19.70	1.78

1.717	1.09	7.717	2.17	13.717	4.15	19.72	1.78
1.733	1.09	7.733	2.17	13.733	4.15	19.73	1.78
1.750	1.09	7.750	2.17	13.750	4.15	19.75	1.78
1.767	1.09	7.767	2.17	13.767	4.15	19.77	1.78
1.783	1.09	7.783	2.17	13.783	4.15	19.78	1.78
1.800	1.09	7.800	2.17	13.800	4.15	19.80	1.78
1.817	1.09	7.817	2.17	13.817	4.15	19.82	1.78
1.833	1.09	7.833	2.17	13.833	4.15	19.83	1.78
1.850	1.09	7.850	2.17	13.850	4.15	19.85	1.78
1.867	1.09	7.867	2.17	13.867	4.15	19.87	1.78
1.883	1.09	7.883	2.17	13.883	4.15	19.88	1.78
1.900	1.09	7.900	2.17	13.900	4.15	19.90	1.78
1.917	1.09	7.917	2.17	13.917	4.15	19.92	1.78
1.933	1.09	7.933	2.17	13.933	4.15	19.93	1.78
1.950	1.09	7.950	2.17	13.950	4.15	19.95	1.78
1.967	1.09	7.967	2.17	13.967	4.15	19.97	1.78
1.983	1.09	7.983	2.17	13.983	4.15	19.98	1.78
2.000	1.09	8.000	2.17	14.000	4.15	20.00	1.78
2.017	1.28	8.017	2.57	14.017	2.97	20.02	1.19
2.033	1.28	8.033	2.57	14.033	2.96	20.03	1.19
2.050	1.28	8.050	2.57	14.050	2.96	20.05	1.19
2.067	1.28	8.067	2.57	14.067	2.96	20.07	1.19
2.083	1.28	8.083	2.57	14.083	2.96	20.08	1.19
2.100	1.28	8.100	2.57	14.100	2.96	20.10	1.19
2.117	1.28	8.117	2.57	14.117	2.96	20.12	1.19
2.133	1.28	8.133	2.57	14.133	2.96	20.13	1.19
2.150	1.28	8.150	2.57	14.150	2.96	20.15	1.19
2.167	1.28	8.167	2.57	14.167	2.96	20.17	1.19
2.183	1.28	8.183	2.57	14.183	2.96	20.18	1.19
2.200	1.28	8.200	2.57	14.200	2.96	20.20	1.19
2.217	1.28	8.217	2.57	14.217	2.96	20.22	1.19
2.233	1.28	8.233	2.57	14.233	2.96	20.23	1.19
2.250	1.28	8.250	2.57	14.250	2.96	20.25	1.19
2.267	1.28	8.267	2.57	14.267	2.96	20.27	1.19
2.283	1.28	8.283	2.57	14.283	2.96	20.28	1.19
2.300	1.28	8.300	2.57	14.300	2.96	20.30	1.19
2.317	1.28	8.317	2.57	14.317	2.96	20.32	1.19
2.333	1.28	8.333	2.57	14.333	2.96	20.33	1.19
2.350	1.28	8.350	2.57	14.350	2.96	20.35	1.19
2.367	1.28	8.367	2.57	14.367	2.96	20.37	1.19
2.383	1.28	8.383	2.57	14.383	2.96	20.38	1.19
2.400	1.28	8.400	2.57	14.400	2.96	20.40	1.19
2.417	1.28	8.417	2.57	14.417	2.96	20.42	1.19
2.433	1.28	8.433	2.57	14.433	2.96	20.43	1.19
2.450	1.28	8.450	2.57	14.450	2.96	20.45	1.19
2.467	1.28	8.467	2.57	14.467	2.96	20.47	1.19
2.483	1.28	8.483	2.57	14.483	2.96	20.48	1.19
2.500	1.28	8.500	2.57	14.500	2.96	20.50	1.19
2.517	1.28	8.517	2.77	14.517	2.96	20.52	1.19
2.533	1.28	8.533	2.77	14.533	2.96	20.53	1.19
2.550	1.28	8.550	2.77	14.550	2.96	20.55	1.19
2.567	1.28	8.567	2.77	14.567	2.96	20.57	1.19
2.583	1.28	8.583	2.77	14.583	2.96	20.58	1.19
2.600	1.28	8.600	2.77	14.600	2.96	20.60	1.19
2.617	1.28	8.617	2.77	14.617	2.96	20.62	1.19
2.633	1.28	8.633	2.77	14.633	2.96	20.63	1.19
2.650	1.28	8.650	2.77	14.650	2.96	20.65	1.19
2.667	1.28	8.667	2.77	14.667	2.96	20.67	1.19
2.683	1.28	8.683	2.77	14.683	2.96	20.68	1.19
2.700	1.28	8.700	2.77	14.700	2.96	20.70	1.19
2.717	1.28	8.717	2.77	14.717	2.96	20.72	1.19
2.733	1.28	8.733	2.77	14.733	2.96	20.73	1.19
2.750	1.28	8.750	2.77	14.750	2.96	20.75	1.19
2.767	1.28	8.767	2.77	14.767	2.96	20.77	1.19
2.783	1.28	8.783	2.77	14.783	2.96	20.78	1.19
2.800	1.28	8.800	2.77	14.800	2.96	20.80	1.19
2.817	1.28	8.817	2.77	14.817	2.96	20.82	1.19
2.833	1.28	8.833	2.77	14.833	2.96	20.83	1.19
2.850	1.28	8.850	2.77	14.850	2.96	20.85	1.19
2.867	1.28	8.867	2.77	14.867	2.96	20.87	1.19
2.883	1.28	8.883	2.77	14.883	2.96	20.88	1.19
2.900	1.28	8.900	2.77	14.900	2.96	20.90	1.19
2.917	1.28	8.917	2.77	14.917	2.96	20.92	1.19
2.933	1.28	8.933	2.77	14.933	2.96	20.93	1.19
2.950	1.28	8.950	2.77	14.950	2.96	20.95	1.19
2.967	1.28	8.967	2.77	14.967	2.96	20.97	1.19
2.983	1.28	8.983	2.77	14.983	2.96	20.98	1.19
3.000	1.28	9.000	2.77	15.000	2.96	21.00	1.19
3.017	1.28	9.017	3.16	15.017	2.96	21.02	1.19
3.033	1.28	9.033	3.16	15.033	2.96	21.03	1.19
3.050	1.28	9.050	3.16	15.050	2.96	21.05	1.19
3.067	1.28	9.067	3.16	15.067	2.96	21.07	1.19
3.083	1.28	9.083	3.16	15.083	2.96	21.08	1.19
3.100	1.28	9.100	3.16	15.100	2.96	21.10	1.19

3.117	1.28	9.117	3.16	15.117	2.96	21.12	1.19
3.133	1.28	9.133	3.16	15.133	2.96	21.13	1.19
3.150	1.28	9.150	3.16	15.150	2.96	21.15	1.19
3.167	1.28	9.167	3.16	15.167	2.96	21.17	1.19
3.183	1.28	9.183	3.16	15.183	2.96	21.18	1.19
3.200	1.28	9.200	3.16	15.200	2.96	21.20	1.19
3.217	1.28	9.217	3.16	15.217	2.96	21.22	1.19
3.233	1.28	9.233	3.16	15.233	2.96	21.23	1.19
3.250	1.28	9.250	3.16	15.250	2.96	21.25	1.19
3.267	1.28	9.267	3.16	15.267	2.96	21.27	1.19
3.283	1.28	9.283	3.16	15.283	2.96	21.28	1.19
3.300	1.28	9.300	3.16	15.300	2.96	21.30	1.19
3.317	1.28	9.317	3.16	15.317	2.96	21.32	1.19
3.333	1.28	9.333	3.16	15.333	2.96	21.33	1.19
3.350	1.28	9.350	3.16	15.350	2.96	21.35	1.19
3.367	1.28	9.367	3.16	15.367	2.96	21.37	1.19
3.383	1.28	9.383	3.16	15.383	2.96	21.38	1.19
3.400	1.28	9.400	3.16	15.400	2.96	21.40	1.19
3.417	1.28	9.417	3.16	15.417	2.96	21.42	1.19
3.433	1.28	9.433	3.16	15.433	2.96	21.43	1.19
3.450	1.28	9.450	3.16	15.450	2.96	21.45	1.19
3.467	1.28	9.467	3.16	15.467	2.96	21.47	1.19
3.483	1.28	9.483	3.16	15.483	2.96	21.48	1.19
3.500	1.28	9.500	3.16	15.500	2.96	21.50	1.19
3.517	1.28	9.517	3.56	15.517	2.96	21.52	1.19
3.533	1.28	9.533	3.56	15.533	2.96	21.53	1.19
3.550	1.28	9.550	3.56	15.550	2.96	21.55	1.19
3.567	1.28	9.567	3.56	15.567	2.96	21.57	1.19
3.583	1.28	9.583	3.56	15.583	2.96	21.58	1.19
3.600	1.28	9.600	3.56	15.600	2.96	21.60	1.19
3.617	1.28	9.617	3.56	15.617	2.96	21.62	1.19
3.633	1.28	9.633	3.56	15.633	2.96	21.63	1.19
3.650	1.28	9.650	3.56	15.650	2.96	21.65	1.19
3.667	1.28	9.667	3.56	15.667	2.96	21.67	1.19
3.683	1.28	9.683	3.56	15.683	2.96	21.68	1.19
3.700	1.28	9.700	3.56	15.700	2.96	21.70	1.19
3.717	1.28	9.717	3.56	15.717	2.96	21.72	1.19
3.733	1.28	9.733	3.56	15.733	2.96	21.73	1.19
3.750	1.28	9.750	3.56	15.750	2.96	21.75	1.19
3.767	1.28	9.767	3.56	15.767	2.96	21.77	1.19
3.783	1.28	9.783	3.56	15.783	2.96	21.78	1.19
3.800	1.28	9.800	3.56	15.800	2.96	21.80	1.19
3.817	1.28	9.817	3.56	15.817	2.96	21.82	1.19
3.833	1.28	9.833	3.56	15.833	2.96	21.83	1.19
3.850	1.28	9.850	3.56	15.850	2.96	21.85	1.19
3.867	1.28	9.867	3.56	15.867	2.96	21.87	1.19
3.883	1.28	9.883	3.56	15.883	2.96	21.88	1.19
3.900	1.28	9.900	3.56	15.900	2.96	21.90	1.19
3.917	1.28	9.917	3.56	15.917	2.96	21.92	1.19
3.933	1.28	9.933	3.56	15.933	2.96	21.93	1.19
3.950	1.28	9.950	3.56	15.950	2.96	21.95	1.19
3.967	1.28	9.967	3.56	15.967	2.96	21.97	1.19
3.983	1.28	9.983	3.56	15.983	2.96	21.98	1.19
4.000	1.28	10.000	3.56	16.000	2.96	22.00	1.19
4.017	1.58	10.017	4.54	16.017	1.78	22.02	1.19
4.033	1.58	10.033	4.54	16.033	1.78	22.03	1.19
4.050	1.58	10.050	4.54	16.050	1.78	22.05	1.19
4.067	1.58	10.067	4.54	16.067	1.78	22.07	1.19
4.083	1.58	10.083	4.54	16.083	1.78	22.08	1.19
4.100	1.58	10.100	4.54	16.100	1.78	22.10	1.19
4.117	1.58	10.117	4.54	16.117	1.78	22.12	1.19
4.133	1.58	10.133	4.54	16.133	1.78	22.13	1.19
4.150	1.58	10.150	4.54	16.150	1.78	22.15	1.19
4.167	1.58	10.167	4.54	16.167	1.78	22.17	1.19
4.183	1.58	10.183	4.54	16.183	1.78	22.18	1.19
4.200	1.58	10.200	4.54	16.200	1.78	22.20	1.19
4.217	1.58	10.217	4.54	16.217	1.78	22.22	1.19
4.233	1.58	10.233	4.54	16.233	1.78	22.23	1.19
4.250	1.58	10.250	4.54	16.250	1.78	22.25	1.19
4.267	1.58	10.267	4.54	16.267	1.78	22.27	1.19
4.283	1.58	10.283	4.54	16.283	1.78	22.28	1.19
4.300	1.58	10.300	4.54	16.300	1.78	22.30	1.19
4.317	1.58	10.317	4.54	16.317	1.78	22.32	1.19
4.333	1.58	10.333	4.54	16.333	1.78	22.33	1.19
4.350	1.58	10.350	4.54	16.350	1.78	22.35	1.19
4.367	1.58	10.367	4.54	16.367	1.78	22.37	1.19
4.383	1.58	10.383	4.54	16.383	1.78	22.38	1.19
4.400	1.58	10.400	4.54	16.400	1.78	22.40	1.19
4.417	1.58	10.417	4.54	16.417	1.78	22.42	1.19
4.433	1.58	10.433	4.54	16.433	1.78	22.43	1.19
4.450	1.58	10.450	4.54	16.450	1.78	22.45	1.19
4.467	1.58	10.467	4.54	16.467	1.78	22.47	1.19
4.483	1.58	10.483	4.54	16.483	1.78	22.48	1.19
4.500	1.58	10.500	4.54	16.500	1.78	22.50	1.19

4.517	1.58	10.517	6.12	16.517	1.78	22.52	1.19
4.533	1.58	10.533	6.12	16.533	1.78	22.53	1.19
4.550	1.58	10.550	6.12	16.550	1.78	22.55	1.19
4.567	1.58	10.567	6.12	16.567	1.78	22.57	1.19
4.583	1.58	10.583	6.12	16.583	1.78	22.58	1.19
4.600	1.58	10.600	6.12	16.600	1.78	22.60	1.19
4.617	1.58	10.617	6.12	16.617	1.78	22.62	1.19
4.633	1.58	10.633	6.12	16.633	1.78	22.63	1.19
4.650	1.58	10.650	6.12	16.650	1.78	22.65	1.19
4.667	1.58	10.667	6.12	16.667	1.78	22.67	1.19
4.683	1.58	10.683	6.12	16.683	1.78	22.68	1.19
4.700	1.58	10.700	6.12	16.700	1.78	22.70	1.19
4.717	1.58	10.717	6.12	16.717	1.78	22.72	1.19
4.733	1.58	10.733	6.12	16.733	1.78	22.73	1.19
4.750	1.58	10.750	6.12	16.750	1.78	22.75	1.19
4.767	1.58	10.767	6.12	16.767	1.78	22.77	1.19
4.783	1.58	10.783	6.12	16.783	1.78	22.78	1.19
4.800	1.58	10.800	6.12	16.800	1.78	22.80	1.19
4.817	1.58	10.817	6.12	16.817	1.78	22.82	1.19
4.833	1.58	10.833	6.12	16.833	1.78	22.83	1.19
4.850	1.58	10.850	6.12	16.850	1.78	22.85	1.19
4.867	1.58	10.867	6.12	16.867	1.78	22.87	1.19
4.883	1.58	10.883	6.12	16.883	1.78	22.88	1.19
4.900	1.58	10.900	6.12	16.900	1.78	22.90	1.19
4.917	1.58	10.917	6.12	16.917	1.78	22.92	1.19
4.933	1.58	10.933	6.12	16.933	1.78	22.93	1.19
4.950	1.58	10.950	6.12	16.950	1.78	22.95	1.19
4.967	1.58	10.967	6.12	16.967	1.78	22.97	1.19
4.983	1.58	10.983	6.12	16.983	1.78	22.98	1.19
5.000	1.58	11.000	6.13	17.000	1.78	23.00	1.19
5.017	1.58	11.017	9.48	17.017	1.78	23.02	1.19
5.033	1.58	11.033	9.48	17.033	1.78	23.03	1.19
5.050	1.58	11.050	9.48	17.050	1.78	23.05	1.19
5.067	1.58	11.067	9.48	17.067	1.78	23.07	1.19
5.083	1.58	11.083	9.48	17.083	1.78	23.08	1.19
5.100	1.58	11.100	9.48	17.100	1.78	23.10	1.19
5.117	1.58	11.117	9.48	17.117	1.78	23.12	1.19
5.133	1.58	11.133	9.48	17.133	1.78	23.13	1.19
5.150	1.58	11.150	9.48	17.150	1.78	23.15	1.19
5.167	1.58	11.167	9.48	17.167	1.78	23.17	1.19
5.183	1.58	11.183	9.48	17.183	1.78	23.18	1.19
5.200	1.58	11.200	9.48	17.200	1.78	23.20	1.19
5.217	1.58	11.217	9.48	17.217	1.78	23.22	1.19
5.233	1.58	11.233	9.48	17.233	1.78	23.23	1.19
5.250	1.58	11.250	9.48	17.250	1.78	23.25	1.19
5.267	1.58	11.267	9.48	17.267	1.78	23.27	1.19
5.283	1.58	11.283	9.48	17.283	1.78	23.28	1.19
5.300	1.58	11.300	9.48	17.300	1.78	23.30	1.19
5.317	1.58	11.317	9.48	17.317	1.78	23.32	1.19
5.333	1.58	11.333	9.48	17.333	1.78	23.33	1.19
5.350	1.58	11.350	9.48	17.350	1.78	23.35	1.19
5.367	1.58	11.367	9.48	17.367	1.78	23.37	1.19
5.383	1.58	11.383	9.48	17.383	1.78	23.38	1.19
5.400	1.58	11.400	9.48	17.400	1.78	23.40	1.19
5.417	1.58	11.417	9.48	17.417	1.78	23.42	1.19
5.433	1.58	11.433	9.48	17.433	1.78	23.43	1.19
5.450	1.58	11.450	9.48	17.450	1.78	23.45	1.19
5.467	1.58	11.467	9.48	17.467	1.78	23.47	1.19
5.483	1.58	11.483	9.48	17.483	1.78	23.48	1.19
5.500	1.58	11.500	9.48	17.500	1.78	23.50	1.19
5.517	1.58	11.517	29.23	17.517	1.78	23.52	1.19
5.533	1.58	11.533	29.24	17.533	1.78	23.53	1.19
5.550	1.58	11.550	29.24	17.550	1.78	23.55	1.19
5.567	1.58	11.567	29.24	17.567	1.78	23.57	1.19
5.583	1.58	11.583	29.24	17.583	1.78	23.58	1.19
5.600	1.58	11.600	29.24	17.600	1.78	23.60	1.19
5.617	1.58	11.617	29.24	17.617	1.78	23.62	1.19
5.633	1.58	11.633	29.24	17.633	1.78	23.63	1.19
5.650	1.58	11.650	29.24	17.650	1.78	23.65	1.19
5.667	1.58	11.667	29.24	17.667	1.78	23.67	1.19
5.683	1.58	11.683	29.24	17.683	1.78	23.68	1.19
5.700	1.58	11.700	29.24	17.700	1.78	23.70	1.19
5.717	1.58	11.717	29.24	17.717	1.78	23.72	1.19
5.733	1.58	11.733	29.24	17.733	1.78	23.73	1.19
5.750	1.58	11.750	29.24	17.750	1.78	23.75	1.19
5.767	1.58	11.767	120.86	17.767	1.78	23.77	1.19
5.783	1.58	11.783	120.91	17.783	1.78	23.78	1.19
5.800	1.58	11.800	120.91	17.800	1.78	23.80	1.19
5.817	1.58	11.817	120.91	17.817	1.78	23.82	1.19
5.833	1.58	11.833	120.91	17.833	1.78	23.83	1.19
5.850	1.58	11.850	120.91	17.850	1.78	23.85	1.19
5.867	1.58	11.867	120.91	17.867	1.78	23.87	1.19
5.883	1.58	11.883	120.91	17.883	1.78	23.88	1.19
5.900	1.58	11.900	120.91	17.900	1.78	23.90	1.19

5.917	1.58	11.917	120.91	17.917	1.78	23.92	1.19
5.933	1.58	11.933	120.91	17.933	1.78	23.93	1.19
5.950	1.58	11.950	120.91	17.950	1.78	23.95	1.19
5.967	1.58	11.967	120.91	17.967	1.78	23.97	1.19
5.983	1.58	11.983	120.91	17.983	1.78	23.98	1.19
6.000	1.58	12.000	120.91	18.000	1.78	24.00	1.19

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 1.032 (i)
 TIME TO PEAK (hrs)= 12.617
 RUNOFF VOLUME (mm)= 22.183
 TOTAL RAINFALL (mm)= 98.781
 RUNOFF COEFFICIENT = 0.225

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.09	6.017	1.78	12.017	14.30	18.02	1.78
0.033	1.09	6.033	1.78	12.033	14.22	18.03	1.78
0.050	1.09	6.050	1.78	12.050	14.22	18.05	1.78
0.067	1.09	6.067	1.78	12.067	14.22	18.07	1.78
0.083	1.09	6.083	1.78	12.083	14.22	18.08	1.78
0.100	1.09	6.100	1.78	12.100	14.22	18.10	1.78
0.117	1.09	6.117	1.78	12.117	14.22	18.12	1.78
0.133	1.09	6.133	1.78	12.133	14.22	18.13	1.78
0.150	1.09	6.150	1.78	12.150	14.22	18.15	1.78
0.167	1.09	6.167	1.78	12.167	14.22	18.17	1.78
0.183	1.09	6.183	1.78	12.183	14.22	18.18	1.78
0.200	1.09	6.200	1.78	12.200	14.22	18.20	1.78
0.217	1.09	6.217	1.78	12.217	14.22	18.22	1.78
0.233	1.09	6.233	1.78	12.233	14.22	18.23	1.78
0.250	1.09	6.250	1.78	12.250	14.22	18.25	1.78
0.267	1.09	6.267	1.78	12.267	14.22	18.27	1.78
0.283	1.09	6.283	1.78	12.283	14.22	18.28	1.78
0.300	1.09	6.300	1.78	12.300	14.22	18.30	1.78
0.317	1.09	6.317	1.78	12.317	14.22	18.32	1.78
0.333	1.09	6.333	1.78	12.333	14.22	18.33	1.78
0.350	1.09	6.350	1.78	12.350	14.22	18.35	1.78
0.367	1.09	6.367	1.78	12.367	14.22	18.37	1.78
0.383	1.09	6.383	1.78	12.383	14.22	18.38	1.78
0.400	1.09	6.400	1.78	12.400	14.22	18.40	1.78
0.417	1.09	6.417	1.78	12.417	14.22	18.42	1.78
0.433	1.09	6.433	1.78	12.433	14.22	18.43	1.78
0.450	1.09	6.450	1.78	12.450	14.22	18.45	1.78
0.467	1.09	6.467	1.78	12.467	14.22	18.47	1.78
0.483	1.09	6.483	1.78	12.483	14.22	18.48	1.78
0.500	1.09	6.500	1.78	12.500	14.22	18.50	1.78
0.517	1.09	6.517	1.78	12.517	7.32	18.52	1.78
0.533	1.09	6.533	1.78	12.533	7.31	18.53	1.78
0.550	1.09	6.550	1.78	12.550	7.31	18.55	1.78
0.567	1.09	6.567	1.78	12.567	7.31	18.57	1.78
0.583	1.09	6.583	1.78	12.583	7.31	18.58	1.78
0.600	1.09	6.600	1.78	12.600	7.31	18.60	1.78
0.617	1.09	6.617	1.78	12.617	7.31	18.62	1.78
0.633	1.09	6.633	1.78	12.633	7.31	18.63	1.78
0.650	1.09	6.650	1.78	12.650	7.31	18.65	1.78
0.667	1.09	6.667	1.78	12.667	7.31	18.67	1.78
0.683	1.09	6.683	1.78	12.683	7.31	18.68	1.78
0.700	1.09	6.700	1.78	12.700	7.31	18.70	1.78
0.717	1.09	6.717	1.78	12.717	7.31	18.72	1.78
0.733	1.09	6.733	1.78	12.733	7.31	18.73	1.78
0.750	1.09	6.750	1.78	12.750	7.31	18.75	1.78
0.767	1.09	6.767	1.78	12.767	7.31	18.77	1.78
0.783	1.09	6.783	1.78	12.783	7.31	18.78	1.78
0.800	1.09	6.800	1.78	12.800	7.31	18.80	1.78
0.817	1.09	6.817	1.78	12.817	7.31	18.82	1.78
0.833	1.09	6.833	1.78	12.833	7.31	18.83	1.78
0.850	1.09	6.850	1.78	12.850	7.31	18.85	1.78
0.867	1.09	6.867	1.78	12.867	7.31	18.87	1.78
0.883	1.09	6.883	1.78	12.883	7.31	18.88	1.78
0.900	1.09	6.900	1.78	12.900	7.31	18.90	1.78

0.917	1.09	6.917	1.78	12.917	7.31	18.92	1.78
0.933	1.09	6.933	1.78	12.933	7.31	18.93	1.78
0.950	1.09	6.950	1.78	12.950	7.31	18.95	1.78
0.967	1.09	6.967	1.78	12.967	7.31	18.97	1.78
0.983	1.09	6.983	1.78	12.983	7.31	18.98	1.78
1.000	1.09	7.000	1.78	13.000	7.31	19.00	1.78
1.017	1.09	7.017	2.17	13.017	5.34	19.02	1.78
1.033	1.09	7.033	2.17	13.033	5.33	19.03	1.78
1.050	1.09	7.050	2.17	13.050	5.33	19.05	1.78
1.067	1.09	7.067	2.17	13.067	5.33	19.07	1.78
1.083	1.09	7.083	2.17	13.083	5.33	19.08	1.78
1.100	1.09	7.100	2.17	13.100	5.33	19.10	1.78
1.117	1.09	7.117	2.17	13.117	5.33	19.12	1.78
1.133	1.09	7.133	2.17	13.133	5.33	19.13	1.78
1.150	1.09	7.150	2.17	13.150	5.33	19.15	1.78
1.167	1.09	7.167	2.17	13.167	5.33	19.17	1.78
1.183	1.09	7.183	2.17	13.183	5.33	19.18	1.78
1.200	1.09	7.200	2.17	13.200	5.33	19.20	1.78
1.217	1.09	7.217	2.17	13.217	5.33	19.22	1.78
1.233	1.09	7.233	2.17	13.233	5.33	19.23	1.78
1.250	1.09	7.250	2.17	13.250	5.33	19.25	1.78
1.267	1.09	7.267	2.17	13.267	5.33	19.27	1.78
1.283	1.09	7.283	2.17	13.283	5.33	19.28	1.78
1.300	1.09	7.300	2.17	13.300	5.33	19.30	1.78
1.317	1.09	7.317	2.17	13.317	5.33	19.32	1.78
1.333	1.09	7.333	2.17	13.333	5.33	19.33	1.78
1.350	1.09	7.350	2.17	13.350	5.33	19.35	1.78
1.367	1.09	7.367	2.17	13.367	5.33	19.37	1.78
1.383	1.09	7.383	2.17	13.383	5.33	19.38	1.78
1.400	1.09	7.400	2.17	13.400	5.33	19.40	1.78
1.417	1.09	7.417	2.17	13.417	5.33	19.42	1.78
1.433	1.09	7.433	2.17	13.433	5.33	19.43	1.78
1.450	1.09	7.450	2.17	13.450	5.33	19.45	1.78
1.467	1.09	7.467	2.17	13.467	5.33	19.47	1.78
1.483	1.09	7.483	2.17	13.483	5.33	19.48	1.78
1.500	1.09	7.500	2.17	13.500	5.33	19.50	1.78
1.517	1.09	7.517	2.17	13.517	4.15	19.52	1.78
1.533	1.09	7.533	2.17	13.533	4.15	19.53	1.78
1.550	1.09	7.550	2.17	13.550	4.15	19.55	1.78
1.567	1.09	7.567	2.17	13.567	4.15	19.57	1.78
1.583	1.09	7.583	2.17	13.583	4.15	19.58	1.78
1.600	1.09	7.600	2.17	13.600	4.15	19.60	1.78
1.617	1.09	7.617	2.17	13.617	4.15	19.62	1.78
1.633	1.09	7.633	2.17	13.633	4.15	19.63	1.78
1.650	1.09	7.650	2.17	13.650	4.15	19.65	1.78
1.667	1.09	7.667	2.17	13.667	4.15	19.67	1.78
1.683	1.09	7.683	2.17	13.683	4.15	19.68	1.78
1.700	1.09	7.700	2.17	13.700	4.15	19.70	1.78
1.717	1.09	7.717	2.17	13.717	4.15	19.72	1.78
1.733	1.09	7.733	2.17	13.733	4.15	19.73	1.78
1.750	1.09	7.750	2.17	13.750	4.15	19.75	1.78
1.767	1.09	7.767	2.17	13.767	4.15	19.77	1.78
1.783	1.09	7.783	2.17	13.783	4.15	19.78	1.78
1.800	1.09	7.800	2.17	13.800	4.15	19.80	1.78
1.817	1.09	7.817	2.17	13.817	4.15	19.82	1.78
1.833	1.09	7.833	2.17	13.833	4.15	19.83	1.78
1.850	1.09	7.850	2.17	13.850	4.15	19.85	1.78
1.867	1.09	7.867	2.17	13.867	4.15	19.87	1.78
1.883	1.09	7.883	2.17	13.883	4.15	19.88	1.78
1.900	1.09	7.900	2.17	13.900	4.15	19.90	1.78
1.917	1.09	7.917	2.17	13.917	4.15	19.92	1.78
1.933	1.09	7.933	2.17	13.933	4.15	19.93	1.78
1.950	1.09	7.950	2.17	13.950	4.15	19.95	1.78
1.967	1.09	7.967	2.17	13.967	4.15	19.97	1.78
1.983	1.09	7.983	2.17	13.983	4.15	19.98	1.78
2.000	1.09	8.000	2.17	14.000	4.15	20.00	1.78
2.017	1.28	8.017	2.57	14.017	2.97	20.02	1.19
2.033	1.28	8.033	2.57	14.033	2.96	20.03	1.19
2.050	1.28	8.050	2.57	14.050	2.96	20.05	1.19
2.067	1.28	8.067	2.57	14.067	2.96	20.07	1.19
2.083	1.28	8.083	2.57	14.083	2.96	20.08	1.19
2.100	1.28	8.100	2.57	14.100	2.96	20.10	1.19
2.117	1.28	8.117	2.57	14.117	2.96	20.12	1.19
2.133	1.28	8.133	2.57	14.133	2.96	20.13	1.19
2.150	1.28	8.150	2.57	14.150	2.96	20.15	1.19
2.167	1.28	8.167	2.57	14.167	2.96	20.17	1.19
2.183	1.28	8.183	2.57	14.183	2.96	20.18	1.19
2.200	1.28	8.200	2.57	14.200	2.96	20.20	1.19
2.217	1.28	8.217	2.57	14.217	2.96	20.22	1.19
2.233	1.28	8.233	2.57	14.233	2.96	20.23	1.19
2.250	1.28	8.250	2.57	14.250	2.96	20.25	1.19
2.267	1.28	8.267	2.57	14.267	2.96	20.27	1.19
2.283	1.28	8.283	2.57	14.283	2.96	20.28	1.19
2.300	1.28	8.300	2.57	14.300	2.96	20.30	1.19

2.317	1.28	8.317	2.57	14.317	2.96	20.32	1.19
2.333	1.28	8.333	2.57	14.333	2.96	20.33	1.19
2.350	1.28	8.350	2.57	14.350	2.96	20.35	1.19
2.367	1.28	8.367	2.57	14.367	2.96	20.37	1.19
2.383	1.28	8.383	2.57	14.383	2.96	20.38	1.19
2.400	1.28	8.400	2.57	14.400	2.96	20.40	1.19
2.417	1.28	8.417	2.57	14.417	2.96	20.42	1.19
2.433	1.28	8.433	2.57	14.433	2.96	20.43	1.19
2.450	1.28	8.450	2.57	14.450	2.96	20.45	1.19
2.467	1.28	8.467	2.57	14.467	2.96	20.47	1.19
2.483	1.28	8.483	2.57	14.483	2.96	20.48	1.19
2.500	1.28	8.500	2.57	14.500	2.96	20.50	1.19
2.517	1.28	8.517	2.77	14.517	2.96	20.52	1.19
2.533	1.28	8.533	2.77	14.533	2.96	20.53	1.19
2.550	1.28	8.550	2.77	14.550	2.96	20.55	1.19
2.567	1.28	8.567	2.77	14.567	2.96	20.57	1.19
2.583	1.28	8.583	2.77	14.583	2.96	20.58	1.19
2.600	1.28	8.600	2.77	14.600	2.96	20.60	1.19
2.617	1.28	8.617	2.77	14.617	2.96	20.62	1.19
2.633	1.28	8.633	2.77	14.633	2.96	20.63	1.19
2.650	1.28	8.650	2.77	14.650	2.96	20.65	1.19
2.667	1.28	8.667	2.77	14.667	2.96	20.67	1.19
2.683	1.28	8.683	2.77	14.683	2.96	20.68	1.19
2.700	1.28	8.700	2.77	14.700	2.96	20.70	1.19
2.717	1.28	8.717	2.77	14.717	2.96	20.72	1.19
2.733	1.28	8.733	2.77	14.733	2.96	20.73	1.19
2.750	1.28	8.750	2.77	14.750	2.96	20.75	1.19
2.767	1.28	8.767	2.77	14.767	2.96	20.77	1.19
2.783	1.28	8.783	2.77	14.783	2.96	20.78	1.19
2.800	1.28	8.800	2.77	14.800	2.96	20.80	1.19
2.817	1.28	8.817	2.77	14.817	2.96	20.82	1.19
2.833	1.28	8.833	2.77	14.833	2.96	20.83	1.19
2.850	1.28	8.850	2.77	14.850	2.96	20.85	1.19
2.867	1.28	8.867	2.77	14.867	2.96	20.87	1.19
2.883	1.28	8.883	2.77	14.883	2.96	20.88	1.19
2.900	1.28	8.900	2.77	14.900	2.96	20.90	1.19
2.917	1.28	8.917	2.77	14.917	2.96	20.92	1.19
2.933	1.28	8.933	2.77	14.933	2.96	20.93	1.19
2.950	1.28	8.950	2.77	14.950	2.96	20.95	1.19
2.967	1.28	8.967	2.77	14.967	2.96	20.97	1.19
2.983	1.28	8.983	2.77	14.983	2.96	20.98	1.19
3.000	1.28	9.000	2.77	15.000	2.96	21.00	1.19
3.017	1.28	9.017	3.16	15.017	2.96	21.02	1.19
3.033	1.28	9.033	3.16	15.033	2.96	21.03	1.19
3.050	1.28	9.050	3.16	15.050	2.96	21.05	1.19
3.067	1.28	9.067	3.16	15.067	2.96	21.07	1.19
3.083	1.28	9.083	3.16	15.083	2.96	21.08	1.19
3.100	1.28	9.100	3.16	15.100	2.96	21.10	1.19
3.117	1.28	9.117	3.16	15.117	2.96	21.12	1.19
3.133	1.28	9.133	3.16	15.133	2.96	21.13	1.19
3.150	1.28	9.150	3.16	15.150	2.96	21.15	1.19
3.167	1.28	9.167	3.16	15.167	2.96	21.17	1.19
3.183	1.28	9.183	3.16	15.183	2.96	21.18	1.19
3.200	1.28	9.200	3.16	15.200	2.96	21.20	1.19
3.217	1.28	9.217	3.16	15.217	2.96	21.22	1.19
3.233	1.28	9.233	3.16	15.233	2.96	21.23	1.19
3.250	1.28	9.250	3.16	15.250	2.96	21.25	1.19
3.267	1.28	9.267	3.16	15.267	2.96	21.27	1.19
3.283	1.28	9.283	3.16	15.283	2.96	21.28	1.19
3.300	1.28	9.300	3.16	15.300	2.96	21.30	1.19
3.317	1.28	9.317	3.16	15.317	2.96	21.32	1.19
3.333	1.28	9.333	3.16	15.333	2.96	21.33	1.19
3.350	1.28	9.350	3.16	15.350	2.96	21.35	1.19
3.367	1.28	9.367	3.16	15.367	2.96	21.37	1.19
3.383	1.28	9.383	3.16	15.383	2.96	21.38	1.19
3.400	1.28	9.400	3.16	15.400	2.96	21.40	1.19
3.417	1.28	9.417	3.16	15.417	2.96	21.42	1.19
3.433	1.28	9.433	3.16	15.433	2.96	21.43	1.19
3.450	1.28	9.450	3.16	15.450	2.96	21.45	1.19
3.467	1.28	9.467	3.16	15.467	2.96	21.47	1.19
3.483	1.28	9.483	3.16	15.483	2.96	21.48	1.19
3.500	1.28	9.500	3.16	15.500	2.96	21.50	1.19
3.517	1.28	9.517	3.56	15.517	2.96	21.52	1.19
3.533	1.28	9.533	3.56	15.533	2.96	21.53	1.19
3.550	1.28	9.550	3.56	15.550	2.96	21.55	1.19
3.567	1.28	9.567	3.56	15.567	2.96	21.57	1.19
3.583	1.28	9.583	3.56	15.583	2.96	21.58	1.19
3.600	1.28	9.600	3.56	15.600	2.96	21.60	1.19
3.617	1.28	9.617	3.56	15.617	2.96	21.62	1.19
3.633	1.28	9.633	3.56	15.633	2.96	21.63	1.19
3.650	1.28	9.650	3.56	15.650	2.96	21.65	1.19
3.667	1.28	9.667	3.56	15.667	2.96	21.67	1.19
3.683	1.28	9.683	3.56	15.683	2.96	21.68	1.19
3.700	1.28	9.700	3.56	15.700	2.96	21.70	1.19

3.717	1.28	9.717	3.56	15.717	2.96	21.72	1.19
3.733	1.28	9.733	3.56	15.733	2.96	21.73	1.19
3.750	1.28	9.750	3.56	15.750	2.96	21.75	1.19
3.767	1.28	9.767	3.56	15.767	2.96	21.77	1.19
3.783	1.28	9.783	3.56	15.783	2.96	21.78	1.19
3.800	1.28	9.800	3.56	15.800	2.96	21.80	1.19
3.817	1.28	9.817	3.56	15.817	2.96	21.82	1.19
3.833	1.28	9.833	3.56	15.833	2.96	21.83	1.19
3.850	1.28	9.850	3.56	15.850	2.96	21.85	1.19
3.867	1.28	9.867	3.56	15.867	2.96	21.87	1.19
3.883	1.28	9.883	3.56	15.883	2.96	21.88	1.19
3.900	1.28	9.900	3.56	15.900	2.96	21.90	1.19
3.917	1.28	9.917	3.56	15.917	2.96	21.92	1.19
3.933	1.28	9.933	3.56	15.933	2.96	21.93	1.19
3.950	1.28	9.950	3.56	15.950	2.96	21.95	1.19
3.967	1.28	9.967	3.56	15.967	2.96	21.97	1.19
3.983	1.28	9.983	3.56	15.983	2.96	21.98	1.19
4.000	1.28	10.000	3.56	16.000	2.96	22.00	1.19
4.017	1.58	10.017	4.54	16.017	1.78	22.02	1.19
4.033	1.58	10.033	4.54	16.033	1.78	22.03	1.19
4.050	1.58	10.050	4.54	16.050	1.78	22.05	1.19
4.067	1.58	10.067	4.54	16.067	1.78	22.07	1.19
4.083	1.58	10.083	4.54	16.083	1.78	22.08	1.19
4.100	1.58	10.100	4.54	16.100	1.78	22.10	1.19
4.117	1.58	10.117	4.54	16.117	1.78	22.12	1.19
4.133	1.58	10.133	4.54	16.133	1.78	22.13	1.19
4.150	1.58	10.150	4.54	16.150	1.78	22.15	1.19
4.167	1.58	10.167	4.54	16.167	1.78	22.17	1.19
4.183	1.58	10.183	4.54	16.183	1.78	22.18	1.19
4.200	1.58	10.200	4.54	16.200	1.78	22.20	1.19
4.217	1.58	10.217	4.54	16.217	1.78	22.22	1.19
4.233	1.58	10.233	4.54	16.233	1.78	22.23	1.19
4.250	1.58	10.250	4.54	16.250	1.78	22.25	1.19
4.267	1.58	10.267	4.54	16.267	1.78	22.27	1.19
4.283	1.58	10.283	4.54	16.283	1.78	22.28	1.19
4.300	1.58	10.300	4.54	16.300	1.78	22.30	1.19
4.317	1.58	10.317	4.54	16.317	1.78	22.32	1.19
4.333	1.58	10.333	4.54	16.333	1.78	22.33	1.19
4.350	1.58	10.350	4.54	16.350	1.78	22.35	1.19
4.367	1.58	10.367	4.54	16.367	1.78	22.37	1.19
4.383	1.58	10.383	4.54	16.383	1.78	22.38	1.19
4.400	1.58	10.400	4.54	16.400	1.78	22.40	1.19
4.417	1.58	10.417	4.54	16.417	1.78	22.42	1.19
4.433	1.58	10.433	4.54	16.433	1.78	22.43	1.19
4.450	1.58	10.450	4.54	16.450	1.78	22.45	1.19
4.467	1.58	10.467	4.54	16.467	1.78	22.47	1.19
4.483	1.58	10.483	4.54	16.483	1.78	22.48	1.19
4.500	1.58	10.500	4.54	16.500	1.78	22.50	1.19
4.517	1.58	10.517	6.12	16.517	1.78	22.52	1.19
4.533	1.58	10.533	6.12	16.533	1.78	22.53	1.19
4.550	1.58	10.550	6.12	16.550	1.78	22.55	1.19
4.567	1.58	10.567	6.12	16.567	1.78	22.57	1.19
4.583	1.58	10.583	6.12	16.583	1.78	22.58	1.19
4.600	1.58	10.600	6.12	16.600	1.78	22.60	1.19
4.617	1.58	10.617	6.12	16.617	1.78	22.62	1.19
4.633	1.58	10.633	6.12	16.633	1.78	22.63	1.19
4.650	1.58	10.650	6.12	16.650	1.78	22.65	1.19
4.667	1.58	10.667	6.12	16.667	1.78	22.67	1.19
4.683	1.58	10.683	6.12	16.683	1.78	22.68	1.19
4.700	1.58	10.700	6.12	16.700	1.78	22.70	1.19
4.717	1.58	10.717	6.12	16.717	1.78	22.72	1.19
4.733	1.58	10.733	6.12	16.733	1.78	22.73	1.19
4.750	1.58	10.750	6.12	16.750	1.78	22.75	1.19
4.767	1.58	10.767	6.12	16.767	1.78	22.77	1.19
4.783	1.58	10.783	6.12	16.783	1.78	22.78	1.19
4.800	1.58	10.800	6.12	16.800	1.78	22.80	1.19
4.817	1.58	10.817	6.12	16.817	1.78	22.82	1.19
4.833	1.58	10.833	6.12	16.833	1.78	22.83	1.19
4.850	1.58	10.850	6.12	16.850	1.78	22.85	1.19
4.867	1.58	10.867	6.12	16.867	1.78	22.87	1.19
4.883	1.58	10.883	6.12	16.883	1.78	22.88	1.19
4.900	1.58	10.900	6.12	16.900	1.78	22.90	1.19
4.917	1.58	10.917	6.12	16.917	1.78	22.92	1.19
4.933	1.58	10.933	6.12	16.933	1.78	22.93	1.19
4.950	1.58	10.950	6.12	16.950	1.78	22.95	1.19
4.967	1.58	10.967	6.12	16.967	1.78	22.97	1.19
4.983	1.58	10.983	6.12	16.983	1.78	22.98	1.19
5.000	1.58	11.000	6.13	17.000	1.78	23.00	1.19
5.017	1.58	11.017	9.48	17.017	1.78	23.02	1.19
5.033	1.58	11.033	9.48	17.033	1.78	23.03	1.19
5.050	1.58	11.050	9.48	17.050	1.78	23.05	1.19
5.067	1.58	11.067	9.48	17.067	1.78	23.07	1.19
5.083	1.58	11.083	9.48	17.083	1.78	23.08	1.19
5.100	1.58	11.100	9.48	17.100	1.78	23.10	1.19

5.117	1.58	11.117	9.48	17.117	1.78	23.12	1.19
5.133	1.58	11.133	9.48	17.133	1.78	23.13	1.19
5.150	1.58	11.150	9.48	17.150	1.78	23.15	1.19
5.167	1.58	11.167	9.48	17.167	1.78	23.17	1.19
5.183	1.58	11.183	9.48	17.183	1.78	23.18	1.19
5.200	1.58	11.200	9.48	17.200	1.78	23.20	1.19
5.217	1.58	11.217	9.48	17.217	1.78	23.22	1.19
5.233	1.58	11.233	9.48	17.233	1.78	23.23	1.19
5.250	1.58	11.250	9.48	17.250	1.78	23.25	1.19
5.267	1.58	11.267	9.48	17.267	1.78	23.27	1.19
5.283	1.58	11.283	9.48	17.283	1.78	23.28	1.19
5.300	1.58	11.300	9.48	17.300	1.78	23.30	1.19
5.317	1.58	11.317	9.48	17.317	1.78	23.32	1.19
5.333	1.58	11.333	9.48	17.333	1.78	23.33	1.19
5.350	1.58	11.350	9.48	17.350	1.78	23.35	1.19
5.367	1.58	11.367	9.48	17.367	1.78	23.37	1.19
5.383	1.58	11.383	9.48	17.383	1.78	23.38	1.19
5.400	1.58	11.400	9.48	17.400	1.78	23.40	1.19
5.417	1.58	11.417	9.48	17.417	1.78	23.42	1.19
5.433	1.58	11.433	9.48	17.433	1.78	23.43	1.19
5.450	1.58	11.450	9.48	17.450	1.78	23.45	1.19
5.467	1.58	11.467	9.48	17.467	1.78	23.47	1.19
5.483	1.58	11.483	9.48	17.483	1.78	23.48	1.19
5.500	1.58	11.500	9.48	17.500	1.78	23.50	1.19
5.517	1.58	11.517	29.23	17.517	1.78	23.52	1.19
5.533	1.58	11.533	29.24	17.533	1.78	23.53	1.19
5.550	1.58	11.550	29.24	17.550	1.78	23.55	1.19
5.567	1.58	11.567	29.24	17.567	1.78	23.57	1.19
5.583	1.58	11.583	29.24	17.583	1.78	23.58	1.19
5.600	1.58	11.600	29.24	17.600	1.78	23.60	1.19
5.617	1.58	11.617	29.24	17.617	1.78	23.62	1.19
5.633	1.58	11.633	29.24	17.633	1.78	23.63	1.19
5.650	1.58	11.650	29.24	17.650	1.78	23.65	1.19
5.667	1.58	11.667	29.24	17.667	1.78	23.67	1.19
5.683	1.58	11.683	29.24	17.683	1.78	23.68	1.19
5.700	1.58	11.700	29.24	17.700	1.78	23.70	1.19
5.717	1.58	11.717	29.24	17.717	1.78	23.72	1.19
5.733	1.58	11.733	29.24	17.733	1.78	23.73	1.19
5.750	1.58	11.750	29.24	17.750	1.78	23.75	1.19
5.767	1.58	11.767	120.86	17.767	1.78	23.77	1.19
5.783	1.58	11.783	120.91	17.783	1.78	23.78	1.19
5.800	1.58	11.800	120.91	17.800	1.78	23.80	1.19
5.817	1.58	11.817	120.91	17.817	1.78	23.82	1.19
5.833	1.58	11.833	120.91	17.833	1.78	23.83	1.19
5.850	1.58	11.850	120.91	17.850	1.78	23.85	1.19
5.867	1.58	11.867	120.91	17.867	1.78	23.87	1.19
5.883	1.58	11.883	120.91	17.883	1.78	23.88	1.19
5.900	1.58	11.900	120.91	17.900	1.78	23.90	1.19
5.917	1.58	11.917	120.91	17.917	1.78	23.92	1.19
5.933	1.58	11.933	120.91	17.933	1.78	23.93	1.19
5.950	1.58	11.950	120.91	17.950	1.78	23.95	1.19
5.967	1.58	11.967	120.91	17.967	1.78	23.97	1.19
5.983	1.58	11.983	120.91	17.983	1.78	23.98	1.19
6.000	1.58	12.000	120.91	18.000	1.78	24.00	1.19

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.865 (i)
TIME TO PEAK (hrs)= 12.317
RUNOFF VOLUME (mm)= 28.452
TOTAL RAINFALL (mm)= 98.781
RUNOFF COEFFICIENT = 0.288

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)					
1 + 2 = 3					
		AREA	QPEAK	TPEAK	R.V.
		(ha)	(cms)	(hrs)	(mm)
ID1=	1 (0004):	33.05	1.032	12.62	22.18
+	ID2= 2 (0007):	15.86	0.865	12.32	28.45
=====					
ID =	3 (0006):	48.92	1.798	12.45	31.04

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:4.5 SCS II 24hr 50yr **

CALIB					
NASHYD (0004)					
Area	(ha)=	33.05	Curve Number	(CN)=	58.0

ID= 1 DT= 1.0 min | Ia (mm)= 10.00 # of Linear Res.(N)= 3.00
 ----- U.H. Tp(hrs)= 0.64

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.20	6.017	1.97	12.017	15.83	18.02	1.97
0.033	1.20	6.033	1.97	12.033	15.75	18.03	1.97
0.050	1.20	6.050	1.97	12.050	15.75	18.05	1.97
0.067	1.20	6.067	1.97	12.067	15.75	18.07	1.97
0.083	1.20	6.083	1.97	12.083	15.75	18.08	1.97
0.100	1.20	6.100	1.97	12.100	15.75	18.10	1.97
0.117	1.20	6.117	1.97	12.117	15.75	18.12	1.97
0.133	1.20	6.133	1.97	12.133	15.75	18.13	1.97
0.150	1.20	6.150	1.97	12.150	15.75	18.15	1.97
0.167	1.20	6.167	1.97	12.167	15.75	18.17	1.97
0.183	1.20	6.183	1.97	12.183	15.75	18.18	1.97
0.200	1.20	6.200	1.97	12.200	15.75	18.20	1.97
0.217	1.20	6.217	1.97	12.217	15.75	18.22	1.97
0.233	1.20	6.233	1.97	12.233	15.75	18.23	1.97
0.250	1.20	6.250	1.97	12.250	15.75	18.25	1.97
0.267	1.20	6.267	1.97	12.267	15.75	18.27	1.97
0.283	1.20	6.283	1.97	12.283	15.75	18.28	1.97
0.300	1.20	6.300	1.97	12.300	15.75	18.30	1.97
0.317	1.20	6.317	1.97	12.317	15.75	18.32	1.97
0.333	1.20	6.333	1.97	12.333	15.75	18.33	1.97
0.350	1.20	6.350	1.97	12.350	15.75	18.35	1.97
0.367	1.20	6.367	1.97	12.367	15.75	18.37	1.97
0.383	1.20	6.383	1.97	12.383	15.75	18.38	1.97
0.400	1.20	6.400	1.97	12.400	15.75	18.40	1.97
0.417	1.20	6.417	1.97	12.417	15.75	18.42	1.97
0.433	1.20	6.433	1.97	12.433	15.75	18.43	1.97
0.450	1.20	6.450	1.97	12.450	15.75	18.45	1.97
0.467	1.20	6.467	1.97	12.467	15.75	18.47	1.97
0.483	1.20	6.483	1.97	12.483	15.75	18.48	1.97
0.500	1.20	6.500	1.97	12.500	15.75	18.50	1.97
0.517	1.20	6.517	1.97	12.517	8.10	18.52	1.97
0.533	1.20	6.533	1.97	12.533	8.09	18.53	1.97
0.550	1.20	6.550	1.97	12.550	8.09	18.55	1.97
0.567	1.20	6.567	1.97	12.567	8.09	18.57	1.97
0.583	1.20	6.583	1.97	12.583	8.09	18.58	1.97
0.600	1.20	6.600	1.97	12.600	8.09	18.60	1.97
0.617	1.20	6.617	1.97	12.617	8.09	18.62	1.97
0.633	1.20	6.633	1.97	12.633	8.09	18.63	1.97
0.650	1.20	6.650	1.97	12.650	8.09	18.65	1.97
0.667	1.20	6.667	1.97	12.667	8.09	18.67	1.97
0.683	1.20	6.683	1.97	12.683	8.09	18.68	1.97
0.700	1.20	6.700	1.97	12.700	8.09	18.70	1.97
0.717	1.20	6.717	1.97	12.717	8.09	18.72	1.97
0.733	1.20	6.733	1.97	12.733	8.09	18.73	1.97
0.750	1.20	6.750	1.97	12.750	8.09	18.75	1.97
0.767	1.20	6.767	1.97	12.767	8.09	18.77	1.97
0.783	1.20	6.783	1.97	12.783	8.09	18.78	1.97
0.800	1.20	6.800	1.97	12.800	8.09	18.80	1.97
0.817	1.20	6.817	1.97	12.817	8.09	18.82	1.97
0.833	1.20	6.833	1.97	12.833	8.09	18.83	1.97
0.850	1.20	6.850	1.97	12.850	8.09	18.85	1.97
0.867	1.20	6.867	1.97	12.867	8.09	18.87	1.97
0.883	1.20	6.883	1.97	12.883	8.09	18.88	1.97
0.900	1.20	6.900	1.97	12.900	8.09	18.90	1.97
0.917	1.20	6.917	1.97	12.917	8.09	18.92	1.97
0.933	1.20	6.933	1.97	12.933	8.09	18.93	1.97
0.950	1.20	6.950	1.97	12.950	8.09	18.95	1.97
0.967	1.20	6.967	1.97	12.967	8.09	18.97	1.97
0.983	1.20	6.983	1.97	12.983	8.09	18.98	1.97
1.000	1.20	7.000	1.97	13.000	8.09	19.00	1.97
1.017	1.20	7.017	2.41	13.017	5.91	19.02	1.97
1.033	1.20	7.033	2.41	13.033	5.90	19.03	1.97
1.050	1.20	7.050	2.41	13.050	5.90	19.05	1.97
1.067	1.20	7.067	2.41	13.067	5.90	19.07	1.97
1.083	1.20	7.083	2.41	13.083	5.90	19.08	1.97
1.100	1.20	7.100	2.41	13.100	5.90	19.10	1.97
1.117	1.20	7.117	2.41	13.117	5.90	19.12	1.97
1.133	1.20	7.133	2.41	13.133	5.90	19.13	1.97
1.150	1.20	7.150	2.41	13.150	5.90	19.15	1.97
1.167	1.20	7.167	2.41	13.167	5.90	19.17	1.97
1.183	1.20	7.183	2.41	13.183	5.90	19.18	1.97
1.200	1.20	7.200	2.41	13.200	5.90	19.20	1.97
1.217	1.20	7.217	2.41	13.217	5.90	19.22	1.97
1.233	1.20	7.233	2.41	13.233	5.90	19.23	1.97
1.250	1.20	7.250	2.41	13.250	5.90	19.25	1.97

1.267	1.20	7.267	2.41	13.267	5.90	19.27	1.97
1.283	1.20	7.283	2.41	13.283	5.90	19.28	1.97
1.300	1.20	7.300	2.41	13.300	5.90	19.30	1.97
1.317	1.20	7.317	2.41	13.317	5.90	19.32	1.97
1.333	1.20	7.333	2.41	13.333	5.90	19.33	1.97
1.350	1.20	7.350	2.41	13.350	5.90	19.35	1.97
1.367	1.20	7.367	2.41	13.367	5.90	19.37	1.97
1.383	1.20	7.383	2.41	13.383	5.90	19.38	1.97
1.400	1.20	7.400	2.41	13.400	5.90	19.40	1.97
1.417	1.20	7.417	2.41	13.417	5.90	19.42	1.97
1.433	1.20	7.433	2.41	13.433	5.90	19.43	1.97
1.450	1.20	7.450	2.41	13.450	5.90	19.45	1.97
1.467	1.20	7.467	2.41	13.467	5.90	19.47	1.97
1.483	1.20	7.483	2.41	13.483	5.90	19.48	1.97
1.500	1.20	7.500	2.41	13.500	5.90	19.50	1.97
1.517	1.20	7.517	2.41	13.517	4.60	19.52	1.97
1.533	1.20	7.533	2.41	13.533	4.59	19.53	1.97
1.550	1.20	7.550	2.41	13.550	4.59	19.55	1.97
1.567	1.20	7.567	2.41	13.567	4.59	19.57	1.97
1.583	1.20	7.583	2.41	13.583	4.59	19.58	1.97
1.600	1.20	7.600	2.41	13.600	4.59	19.60	1.97
1.617	1.20	7.617	2.41	13.617	4.59	19.62	1.97
1.633	1.20	7.633	2.41	13.633	4.59	19.63	1.97
1.650	1.20	7.650	2.41	13.650	4.59	19.65	1.97
1.667	1.20	7.667	2.41	13.667	4.59	19.67	1.97
1.683	1.20	7.683	2.41	13.683	4.59	19.68	1.97
1.700	1.20	7.700	2.41	13.700	4.59	19.70	1.97
1.717	1.20	7.717	2.41	13.717	4.59	19.72	1.97
1.733	1.20	7.733	2.41	13.733	4.59	19.73	1.97
1.750	1.20	7.750	2.41	13.750	4.59	19.75	1.97
1.767	1.20	7.767	2.41	13.767	4.59	19.77	1.97
1.783	1.20	7.783	2.41	13.783	4.59	19.78	1.97
1.800	1.20	7.800	2.41	13.800	4.59	19.80	1.97
1.817	1.20	7.817	2.41	13.817	4.59	19.82	1.97
1.833	1.20	7.833	2.41	13.833	4.59	19.83	1.97
1.850	1.20	7.850	2.41	13.850	4.59	19.85	1.97
1.867	1.20	7.867	2.41	13.867	4.59	19.87	1.97
1.883	1.20	7.883	2.41	13.883	4.59	19.88	1.97
1.900	1.20	7.900	2.41	13.900	4.59	19.90	1.97
1.917	1.20	7.917	2.41	13.917	4.59	19.92	1.97
1.933	1.20	7.933	2.41	13.933	4.59	19.93	1.97
1.950	1.20	7.950	2.41	13.950	4.59	19.95	1.97
1.967	1.20	7.967	2.41	13.967	4.59	19.97	1.97
1.983	1.20	7.983	2.41	13.983	4.59	19.98	1.97
2.000	1.20	8.000	2.41	14.000	4.59	20.00	1.97
2.017	1.42	8.017	2.84	14.017	3.28	20.02	1.32
2.033	1.42	8.033	2.84	14.033	3.28	20.03	1.31
2.050	1.42	8.050	2.84	14.050	3.28	20.05	1.31
2.067	1.42	8.067	2.84	14.067	3.28	20.07	1.31
2.083	1.42	8.083	2.84	14.083	3.28	20.08	1.31
2.100	1.42	8.100	2.84	14.100	3.28	20.10	1.31
2.117	1.42	8.117	2.84	14.117	3.28	20.12	1.31
2.133	1.42	8.133	2.84	14.133	3.28	20.13	1.31
2.150	1.42	8.150	2.84	14.150	3.28	20.15	1.31
2.167	1.42	8.167	2.84	14.167	3.28	20.17	1.31
2.183	1.42	8.183	2.84	14.183	3.28	20.18	1.31
2.200	1.42	8.200	2.84	14.200	3.28	20.20	1.31
2.217	1.42	8.217	2.84	14.217	3.28	20.22	1.31
2.233	1.42	8.233	2.84	14.233	3.28	20.23	1.31
2.250	1.42	8.250	2.84	14.250	3.28	20.25	1.31
2.267	1.42	8.267	2.84	14.267	3.28	20.27	1.31
2.283	1.42	8.283	2.84	14.283	3.28	20.28	1.31
2.300	1.42	8.300	2.84	14.300	3.28	20.30	1.31
2.317	1.42	8.317	2.84	14.317	3.28	20.32	1.31
2.333	1.42	8.333	2.84	14.333	3.28	20.33	1.31
2.350	1.42	8.350	2.84	14.350	3.28	20.35	1.31
2.367	1.42	8.367	2.84	14.367	3.28	20.37	1.31
2.383	1.42	8.383	2.84	14.383	3.28	20.38	1.31
2.400	1.42	8.400	2.84	14.400	3.28	20.40	1.31
2.417	1.42	8.417	2.84	14.417	3.28	20.42	1.31
2.433	1.42	8.433	2.84	14.433	3.28	20.43	1.31
2.450	1.42	8.450	2.84	14.450	3.28	20.45	1.31
2.467	1.42	8.467	2.84	14.467	3.28	20.47	1.31
2.483	1.42	8.483	2.84	14.483	3.28	20.48	1.31
2.500	1.42	8.500	2.84	14.500	3.28	20.50	1.31
2.517	1.42	8.517	3.06	14.517	3.28	20.52	1.31
2.533	1.42	8.533	3.06	14.533	3.28	20.53	1.31
2.550	1.42	8.550	3.06	14.550	3.28	20.55	1.31
2.567	1.42	8.567	3.06	14.567	3.28	20.57	1.31
2.583	1.42	8.583	3.06	14.583	3.28	20.58	1.31
2.600	1.42	8.600	3.06	14.600	3.28	20.60	1.31
2.617	1.42	8.617	3.06	14.617	3.28	20.62	1.31
2.633	1.42	8.633	3.06	14.633	3.28	20.63	1.31
2.650	1.42	8.650	3.06	14.650	3.28	20.65	1.31

2.667	1.42	8.667	3.06	14.667	3.28	20.67	1.31
2.683	1.42	8.683	3.06	14.683	3.28	20.68	1.31
2.700	1.42	8.700	3.06	14.700	3.28	20.70	1.31
2.717	1.42	8.717	3.06	14.717	3.28	20.72	1.31
2.733	1.42	8.733	3.06	14.733	3.28	20.73	1.31
2.750	1.42	8.750	3.06	14.750	3.28	20.75	1.31
2.767	1.42	8.767	3.06	14.767	3.28	20.77	1.31
2.783	1.42	8.783	3.06	14.783	3.28	20.78	1.31
2.800	1.42	8.800	3.06	14.800	3.28	20.80	1.31
2.817	1.42	8.817	3.06	14.817	3.28	20.82	1.31
2.833	1.42	8.833	3.06	14.833	3.28	20.83	1.31
2.850	1.42	8.850	3.06	14.850	3.28	20.85	1.31
2.867	1.42	8.867	3.06	14.867	3.28	20.87	1.31
2.883	1.42	8.883	3.06	14.883	3.28	20.88	1.31
2.900	1.42	8.900	3.06	14.900	3.28	20.90	1.31
2.917	1.42	8.917	3.06	14.917	3.28	20.92	1.31
2.933	1.42	8.933	3.06	14.933	3.28	20.93	1.31
2.950	1.42	8.950	3.06	14.950	3.28	20.95	1.31
2.967	1.42	8.967	3.06	14.967	3.28	20.97	1.31
2.983	1.42	8.983	3.06	14.983	3.28	20.98	1.31
3.000	1.42	9.000	3.06	15.000	3.28	21.00	1.31
3.017	1.42	9.017	3.50	15.017	3.28	21.02	1.31
3.033	1.42	9.033	3.50	15.033	3.28	21.03	1.31
3.050	1.42	9.050	3.50	15.050	3.28	21.05	1.31
3.067	1.42	9.067	3.50	15.067	3.28	21.07	1.31
3.083	1.42	9.083	3.50	15.083	3.28	21.08	1.31
3.100	1.42	9.100	3.50	15.100	3.28	21.10	1.31
3.117	1.42	9.117	3.50	15.117	3.28	21.12	1.31
3.133	1.42	9.133	3.50	15.133	3.28	21.13	1.31
3.150	1.42	9.150	3.50	15.150	3.28	21.15	1.31
3.167	1.42	9.167	3.50	15.167	3.28	21.17	1.31
3.183	1.42	9.183	3.50	15.183	3.28	21.18	1.31
3.200	1.42	9.200	3.50	15.200	3.28	21.20	1.31
3.217	1.42	9.217	3.50	15.217	3.28	21.22	1.31
3.233	1.42	9.233	3.50	15.233	3.28	21.23	1.31
3.250	1.42	9.250	3.50	15.250	3.28	21.25	1.31
3.267	1.42	9.267	3.50	15.267	3.28	21.27	1.31
3.283	1.42	9.283	3.50	15.283	3.28	21.28	1.31
3.300	1.42	9.300	3.50	15.300	3.28	21.30	1.31
3.317	1.42	9.317	3.50	15.317	3.28	21.32	1.31
3.333	1.42	9.333	3.50	15.333	3.28	21.33	1.31
3.350	1.42	9.350	3.50	15.350	3.28	21.35	1.31
3.367	1.42	9.367	3.50	15.367	3.28	21.37	1.31
3.383	1.42	9.383	3.50	15.383	3.28	21.38	1.31
3.400	1.42	9.400	3.50	15.400	3.28	21.40	1.31
3.417	1.42	9.417	3.50	15.417	3.28	21.42	1.31
3.433	1.42	9.433	3.50	15.433	3.28	21.43	1.31
3.450	1.42	9.450	3.50	15.450	3.28	21.45	1.31
3.467	1.42	9.467	3.50	15.467	3.28	21.47	1.31
3.483	1.42	9.483	3.50	15.483	3.28	21.48	1.31
3.500	1.42	9.500	3.50	15.500	3.28	21.50	1.31
3.517	1.42	9.517	3.94	15.517	3.28	21.52	1.31
3.533	1.42	9.533	3.94	15.533	3.28	21.53	1.31
3.550	1.42	9.550	3.94	15.550	3.28	21.55	1.31
3.567	1.42	9.567	3.94	15.567	3.28	21.57	1.31
3.583	1.42	9.583	3.94	15.583	3.28	21.58	1.31
3.600	1.42	9.600	3.94	15.600	3.28	21.60	1.31
3.617	1.42	9.617	3.94	15.617	3.28	21.62	1.31
3.633	1.42	9.633	3.94	15.633	3.28	21.63	1.31
3.650	1.42	9.650	3.94	15.650	3.28	21.65	1.31
3.667	1.42	9.667	3.94	15.667	3.28	21.67	1.31
3.683	1.42	9.683	3.94	15.683	3.28	21.68	1.31
3.700	1.42	9.700	3.94	15.700	3.28	21.70	1.31
3.717	1.42	9.717	3.94	15.717	3.28	21.72	1.31
3.733	1.42	9.733	3.94	15.733	3.28	21.73	1.31
3.750	1.42	9.750	3.94	15.750	3.28	21.75	1.31
3.767	1.42	9.767	3.94	15.767	3.28	21.77	1.31
3.783	1.42	9.783	3.94	15.783	3.28	21.78	1.31
3.800	1.42	9.800	3.94	15.800	3.28	21.80	1.31
3.817	1.42	9.817	3.94	15.817	3.28	21.82	1.31
3.833	1.42	9.833	3.94	15.833	3.28	21.83	1.31
3.850	1.42	9.850	3.94	15.850	3.28	21.85	1.31
3.867	1.42	9.867	3.94	15.867	3.28	21.87	1.31
3.883	1.42	9.883	3.94	15.883	3.28	21.88	1.31
3.900	1.42	9.900	3.94	15.900	3.28	21.90	1.31
3.917	1.42	9.917	3.94	15.917	3.28	21.92	1.31
3.933	1.42	9.933	3.94	15.933	3.28	21.93	1.31
3.950	1.42	9.950	3.94	15.950	3.28	21.95	1.31
3.967	1.42	9.967	3.94	15.967	3.28	21.97	1.31
3.983	1.42	9.983	3.94	15.983	3.28	21.98	1.31
4.000	1.42	10.000	3.94	16.000	3.28	22.00	1.31
4.017	1.75	10.017	5.03	16.017	1.97	22.02	1.31
4.033	1.75	10.033	5.03	16.033	1.97	22.03	1.31
4.050	1.75	10.050	5.03	16.050	1.97	22.05	1.31

4.067	1.75	10.067	5.03	16.067	1.97	22.07	1.31
4.083	1.75	10.083	5.03	16.083	1.97	22.08	1.31
4.100	1.75	10.100	5.03	16.100	1.97	22.10	1.31
4.117	1.75	10.117	5.03	16.117	1.97	22.12	1.31
4.133	1.75	10.133	5.03	16.133	1.97	22.13	1.31
4.150	1.75	10.150	5.03	16.150	1.97	22.15	1.31
4.167	1.75	10.167	5.03	16.167	1.97	22.17	1.31
4.183	1.75	10.183	5.03	16.183	1.97	22.18	1.31
4.200	1.75	10.200	5.03	16.200	1.97	22.20	1.31
4.217	1.75	10.217	5.03	16.217	1.97	22.22	1.31
4.233	1.75	10.233	5.03	16.233	1.97	22.23	1.31
4.250	1.75	10.250	5.03	16.250	1.97	22.25	1.31
4.267	1.75	10.267	5.03	16.267	1.97	22.27	1.31
4.283	1.75	10.283	5.03	16.283	1.97	22.28	1.31
4.300	1.75	10.300	5.03	16.300	1.97	22.30	1.31
4.317	1.75	10.317	5.03	16.317	1.97	22.32	1.31
4.333	1.75	10.333	5.03	16.333	1.97	22.33	1.31
4.350	1.75	10.350	5.03	16.350	1.97	22.35	1.31
4.367	1.75	10.367	5.03	16.367	1.97	22.37	1.31
4.383	1.75	10.383	5.03	16.383	1.97	22.38	1.31
4.400	1.75	10.400	5.03	16.400	1.97	22.40	1.31
4.417	1.75	10.417	5.03	16.417	1.97	22.42	1.31
4.433	1.75	10.433	5.03	16.433	1.97	22.43	1.31
4.450	1.75	10.450	5.03	16.450	1.97	22.45	1.31
4.467	1.75	10.467	5.03	16.467	1.97	22.47	1.31
4.483	1.75	10.483	5.03	16.483	1.97	22.48	1.31
4.500	1.75	10.500	5.03	16.500	1.97	22.50	1.31
4.517	1.75	10.517	6.78	16.517	1.97	22.52	1.31
4.533	1.75	10.533	6.78	16.533	1.97	22.53	1.31
4.550	1.75	10.550	6.78	16.550	1.97	22.55	1.31
4.567	1.75	10.567	6.78	16.567	1.97	22.57	1.31
4.583	1.75	10.583	6.78	16.583	1.97	22.58	1.31
4.600	1.75	10.600	6.78	16.600	1.97	22.60	1.31
4.617	1.75	10.617	6.78	16.617	1.97	22.62	1.31
4.633	1.75	10.633	6.78	16.633	1.97	22.63	1.31
4.650	1.75	10.650	6.78	16.650	1.97	22.65	1.31
4.667	1.75	10.667	6.78	16.667	1.97	22.67	1.31
4.683	1.75	10.683	6.78	16.683	1.97	22.68	1.31
4.700	1.75	10.700	6.78	16.700	1.97	22.70	1.31
4.717	1.75	10.717	6.78	16.717	1.97	22.72	1.31
4.733	1.75	10.733	6.78	16.733	1.97	22.73	1.31
4.750	1.75	10.750	6.78	16.750	1.97	22.75	1.31
4.767	1.75	10.767	6.78	16.767	1.97	22.77	1.31
4.783	1.75	10.783	6.78	16.783	1.97	22.78	1.31
4.800	1.75	10.800	6.78	16.800	1.97	22.80	1.31
4.817	1.75	10.817	6.78	16.817	1.97	22.82	1.31
4.833	1.75	10.833	6.78	16.833	1.97	22.83	1.31
4.850	1.75	10.850	6.78	16.850	1.97	22.85	1.31
4.867	1.75	10.867	6.78	16.867	1.97	22.87	1.31
4.883	1.75	10.883	6.78	16.883	1.97	22.88	1.31
4.900	1.75	10.900	6.78	16.900	1.97	22.90	1.31
4.917	1.75	10.917	6.78	16.917	1.97	22.92	1.31
4.933	1.75	10.933	6.78	16.933	1.97	22.93	1.31
4.950	1.75	10.950	6.78	16.950	1.97	22.95	1.31
4.967	1.75	10.967	6.78	16.967	1.97	22.97	1.31
4.983	1.75	10.983	6.78	16.983	1.97	22.98	1.31
5.000	1.75	11.000	6.78	17.000	1.97	23.00	1.31
5.017	1.75	11.017	10.50	17.017	1.97	23.02	1.31
5.033	1.75	11.033	10.50	17.033	1.97	23.03	1.31
5.050	1.75	11.050	10.50	17.050	1.97	23.05	1.31
5.067	1.75	11.067	10.50	17.067	1.97	23.07	1.31
5.083	1.75	11.083	10.50	17.083	1.97	23.08	1.31
5.100	1.75	11.100	10.50	17.100	1.97	23.10	1.31
5.117	1.75	11.117	10.50	17.117	1.97	23.12	1.31
5.133	1.75	11.133	10.50	17.133	1.97	23.13	1.31
5.150	1.75	11.150	10.50	17.150	1.97	23.15	1.31
5.167	1.75	11.167	10.50	17.167	1.97	23.17	1.31
5.183	1.75	11.183	10.50	17.183	1.97	23.18	1.31
5.200	1.75	11.200	10.50	17.200	1.97	23.20	1.31
5.217	1.75	11.217	10.50	17.217	1.97	23.22	1.31
5.233	1.75	11.233	10.50	17.233	1.97	23.23	1.31
5.250	1.75	11.250	10.50	17.250	1.97	23.25	1.31
5.267	1.75	11.267	10.50	17.267	1.97	23.27	1.31
5.283	1.75	11.283	10.50	17.283	1.97	23.28	1.31
5.300	1.75	11.300	10.50	17.300	1.97	23.30	1.31
5.317	1.75	11.317	10.50	17.317	1.97	23.32	1.31
5.333	1.75	11.333	10.50	17.333	1.97	23.33	1.31
5.350	1.75	11.350	10.50	17.350	1.97	23.35	1.31
5.367	1.75	11.367	10.50	17.367	1.97	23.37	1.31
5.383	1.75	11.383	10.50	17.383	1.97	23.38	1.31
5.400	1.75	11.400	10.50	17.400	1.97	23.40	1.31
5.417	1.75	11.417	10.50	17.417	1.97	23.42	1.31
5.433	1.75	11.433	10.50	17.433	1.97	23.43	1.31
5.450	1.75	11.450	10.50	17.450	1.97	23.45	1.31

5.467	1.75	11.467	10.50	17.467	1.97	23.47	1.31
5.483	1.75	11.483	10.50	17.483	1.97	23.48	1.31
5.500	1.75	11.500	10.50	17.500	1.97	23.50	1.31
5.517	1.75	11.517	32.36	17.517	1.97	23.52	1.31
5.533	1.75	11.533	32.37	17.533	1.97	23.53	1.31
5.550	1.75	11.550	32.37	17.550	1.97	23.55	1.31
5.567	1.75	11.567	32.37	17.567	1.97	23.57	1.31
5.583	1.75	11.583	32.37	17.583	1.97	23.58	1.31
5.600	1.75	11.600	32.37	17.600	1.97	23.60	1.31
5.617	1.75	11.617	32.37	17.617	1.97	23.62	1.31
5.633	1.75	11.633	32.37	17.633	1.97	23.63	1.31
5.650	1.75	11.650	32.37	17.650	1.97	23.65	1.31
5.667	1.75	11.667	32.37	17.667	1.97	23.67	1.31
5.683	1.75	11.683	32.37	17.683	1.97	23.68	1.31
5.700	1.75	11.700	32.37	17.700	1.97	23.70	1.31
5.717	1.75	11.717	32.37	17.717	1.97	23.72	1.31
5.733	1.75	11.733	32.37	17.733	1.97	23.73	1.31
5.750	1.75	11.750	32.37	17.750	1.97	23.75	1.31
5.767	1.75	11.767	133.80	17.767	1.97	23.77	1.31
5.783	1.75	11.783	133.84	17.783	1.97	23.78	1.31
5.800	1.75	11.800	133.84	17.800	1.97	23.80	1.31
5.817	1.75	11.817	133.84	17.817	1.97	23.82	1.31
5.833	1.75	11.833	133.84	17.833	1.97	23.83	1.31
5.850	1.75	11.850	133.84	17.850	1.97	23.85	1.31
5.867	1.75	11.867	133.84	17.867	1.97	23.87	1.31
5.883	1.75	11.883	133.84	17.883	1.97	23.88	1.31
5.900	1.75	11.900	133.84	17.900	1.97	23.90	1.31
5.917	1.75	11.917	133.84	17.917	1.97	23.92	1.31
5.933	1.75	11.933	133.84	17.933	1.97	23.93	1.31
5.950	1.75	11.950	133.84	17.950	1.97	23.95	1.31
5.967	1.75	11.967	133.84	17.967	1.97	23.97	1.31
5.983	1.75	11.983	133.84	17.983	1.97	23.98	1.31
6.000	1.75	12.000	133.84	18.000	1.97	24.00	1.31

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 1.254 (i)
TIME TO PEAK (hrs)= 12.617
RUNOFF VOLUME (mm)= 26.928
TOTAL RAINFALL (mm)= 109.351
RUNOFF COEFFICIENT = 0.246

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.20	6.017	1.97	12.017	15.83	18.02	1.97
0.033	1.20	6.033	1.97	12.033	15.75	18.03	1.97
0.050	1.20	6.050	1.97	12.050	15.75	18.05	1.97
0.067	1.20	6.067	1.97	12.067	15.75	18.07	1.97
0.083	1.20	6.083	1.97	12.083	15.75	18.08	1.97
0.100	1.20	6.100	1.97	12.100	15.75	18.10	1.97
0.117	1.20	6.117	1.97	12.117	15.75	18.12	1.97
0.133	1.20	6.133	1.97	12.133	15.75	18.13	1.97
0.150	1.20	6.150	1.97	12.150	15.75	18.15	1.97
0.167	1.20	6.167	1.97	12.167	15.75	18.17	1.97
0.183	1.20	6.183	1.97	12.183	15.75	18.18	1.97
0.200	1.20	6.200	1.97	12.200	15.75	18.20	1.97
0.217	1.20	6.217	1.97	12.217	15.75	18.22	1.97
0.233	1.20	6.233	1.97	12.233	15.75	18.23	1.97
0.250	1.20	6.250	1.97	12.250	15.75	18.25	1.97
0.267	1.20	6.267	1.97	12.267	15.75	18.27	1.97
0.283	1.20	6.283	1.97	12.283	15.75	18.28	1.97
0.300	1.20	6.300	1.97	12.300	15.75	18.30	1.97
0.317	1.20	6.317	1.97	12.317	15.75	18.32	1.97
0.333	1.20	6.333	1.97	12.333	15.75	18.33	1.97
0.350	1.20	6.350	1.97	12.350	15.75	18.35	1.97
0.367	1.20	6.367	1.97	12.367	15.75	18.37	1.97
0.383	1.20	6.383	1.97	12.383	15.75	18.38	1.97
0.400	1.20	6.400	1.97	12.400	15.75	18.40	1.97
0.417	1.20	6.417	1.97	12.417	15.75	18.42	1.97
0.433	1.20	6.433	1.97	12.433	15.75	18.43	1.97
0.450	1.20	6.450	1.97	12.450	15.75	18.45	1.97

0.467	1.20	6.467	1.97	12.467	15.75	18.47	1.97
0.483	1.20	6.483	1.97	12.483	15.75	18.48	1.97
0.500	1.20	6.500	1.97	12.500	15.75	18.50	1.97
0.517	1.20	6.517	1.97	12.517	8.10	18.52	1.97
0.533	1.20	6.533	1.97	12.533	8.09	18.53	1.97
0.550	1.20	6.550	1.97	12.550	8.09	18.55	1.97
0.567	1.20	6.567	1.97	12.567	8.09	18.57	1.97
0.583	1.20	6.583	1.97	12.583	8.09	18.58	1.97
0.600	1.20	6.600	1.97	12.600	8.09	18.60	1.97
0.617	1.20	6.617	1.97	12.617	8.09	18.62	1.97
0.633	1.20	6.633	1.97	12.633	8.09	18.63	1.97
0.650	1.20	6.650	1.97	12.650	8.09	18.65	1.97
0.667	1.20	6.667	1.97	12.667	8.09	18.67	1.97
0.683	1.20	6.683	1.97	12.683	8.09	18.68	1.97
0.700	1.20	6.700	1.97	12.700	8.09	18.70	1.97
0.717	1.20	6.717	1.97	12.717	8.09	18.72	1.97
0.733	1.20	6.733	1.97	12.733	8.09	18.73	1.97
0.750	1.20	6.750	1.97	12.750	8.09	18.75	1.97
0.767	1.20	6.767	1.97	12.767	8.09	18.77	1.97
0.783	1.20	6.783	1.97	12.783	8.09	18.78	1.97
0.800	1.20	6.800	1.97	12.800	8.09	18.80	1.97
0.817	1.20	6.817	1.97	12.817	8.09	18.82	1.97
0.833	1.20	6.833	1.97	12.833	8.09	18.83	1.97
0.850	1.20	6.850	1.97	12.850	8.09	18.85	1.97
0.867	1.20	6.867	1.97	12.867	8.09	18.87	1.97
0.883	1.20	6.883	1.97	12.883	8.09	18.88	1.97
0.900	1.20	6.900	1.97	12.900	8.09	18.90	1.97
0.917	1.20	6.917	1.97	12.917	8.09	18.92	1.97
0.933	1.20	6.933	1.97	12.933	8.09	18.93	1.97
0.950	1.20	6.950	1.97	12.950	8.09	18.95	1.97
0.967	1.20	6.967	1.97	12.967	8.09	18.97	1.97
0.983	1.20	6.983	1.97	12.983	8.09	18.98	1.97
1.000	1.20	7.000	1.97	13.000	8.09	19.00	1.97
1.017	1.20	7.017	2.41	13.017	5.91	19.02	1.97
1.033	1.20	7.033	2.41	13.033	5.90	19.03	1.97
1.050	1.20	7.050	2.41	13.050	5.90	19.05	1.97
1.067	1.20	7.067	2.41	13.067	5.90	19.07	1.97
1.083	1.20	7.083	2.41	13.083	5.90	19.08	1.97
1.100	1.20	7.100	2.41	13.100	5.90	19.10	1.97
1.117	1.20	7.117	2.41	13.117	5.90	19.12	1.97
1.133	1.20	7.133	2.41	13.133	5.90	19.13	1.97
1.150	1.20	7.150	2.41	13.150	5.90	19.15	1.97
1.167	1.20	7.167	2.41	13.167	5.90	19.17	1.97
1.183	1.20	7.183	2.41	13.183	5.90	19.18	1.97
1.200	1.20	7.200	2.41	13.200	5.90	19.20	1.97
1.217	1.20	7.217	2.41	13.217	5.90	19.22	1.97
1.233	1.20	7.233	2.41	13.233	5.90	19.23	1.97
1.250	1.20	7.250	2.41	13.250	5.90	19.25	1.97
1.267	1.20	7.267	2.41	13.267	5.90	19.27	1.97
1.283	1.20	7.283	2.41	13.283	5.90	19.28	1.97
1.300	1.20	7.300	2.41	13.300	5.90	19.30	1.97
1.317	1.20	7.317	2.41	13.317	5.90	19.32	1.97
1.333	1.20	7.333	2.41	13.333	5.90	19.33	1.97
1.350	1.20	7.350	2.41	13.350	5.90	19.35	1.97
1.367	1.20	7.367	2.41	13.367	5.90	19.37	1.97
1.383	1.20	7.383	2.41	13.383	5.90	19.38	1.97
1.400	1.20	7.400	2.41	13.400	5.90	19.40	1.97
1.417	1.20	7.417	2.41	13.417	5.90	19.42	1.97
1.433	1.20	7.433	2.41	13.433	5.90	19.43	1.97
1.450	1.20	7.450	2.41	13.450	5.90	19.45	1.97
1.467	1.20	7.467	2.41	13.467	5.90	19.47	1.97
1.483	1.20	7.483	2.41	13.483	5.90	19.48	1.97
1.500	1.20	7.500	2.41	13.500	5.90	19.50	1.97
1.517	1.20	7.517	2.41	13.517	4.60	19.52	1.97
1.533	1.20	7.533	2.41	13.533	4.59	19.53	1.97
1.550	1.20	7.550	2.41	13.550	4.59	19.55	1.97
1.567	1.20	7.567	2.41	13.567	4.59	19.57	1.97
1.583	1.20	7.583	2.41	13.583	4.59	19.58	1.97
1.600	1.20	7.600	2.41	13.600	4.59	19.60	1.97
1.617	1.20	7.617	2.41	13.617	4.59	19.62	1.97
1.633	1.20	7.633	2.41	13.633	4.59	19.63	1.97
1.650	1.20	7.650	2.41	13.650	4.59	19.65	1.97
1.667	1.20	7.667	2.41	13.667	4.59	19.67	1.97
1.683	1.20	7.683	2.41	13.683	4.59	19.68	1.97
1.700	1.20	7.700	2.41	13.700	4.59	19.70	1.97
1.717	1.20	7.717	2.41	13.717	4.59	19.72	1.97
1.733	1.20	7.733	2.41	13.733	4.59	19.73	1.97
1.750	1.20	7.750	2.41	13.750	4.59	19.75	1.97
1.767	1.20	7.767	2.41	13.767	4.59	19.77	1.97
1.783	1.20	7.783	2.41	13.783	4.59	19.78	1.97
1.800	1.20	7.800	2.41	13.800	4.59	19.80	1.97
1.817	1.20	7.817	2.41	13.817	4.59	19.82	1.97
1.833	1.20	7.833	2.41	13.833	4.59	19.83	1.97
1.850	1.20	7.850	2.41	13.850	4.59	19.85	1.97

1.867	1.20	7.867	2.41	13.867	4.59	19.87	1.97
1.883	1.20	7.883	2.41	13.883	4.59	19.88	1.97
1.900	1.20	7.900	2.41	13.900	4.59	19.90	1.97
1.917	1.20	7.917	2.41	13.917	4.59	19.92	1.97
1.933	1.20	7.933	2.41	13.933	4.59	19.93	1.97
1.950	1.20	7.950	2.41	13.950	4.59	19.95	1.97
1.967	1.20	7.967	2.41	13.967	4.59	19.97	1.97
1.983	1.20	7.983	2.41	13.983	4.59	19.98	1.97
2.000	1.20	8.000	2.41	14.000	4.59	20.00	1.97
2.017	1.42	8.017	2.84	14.017	3.28	20.02	1.32
2.033	1.42	8.033	2.84	14.033	3.28	20.03	1.31
2.050	1.42	8.050	2.84	14.050	3.28	20.05	1.31
2.067	1.42	8.067	2.84	14.067	3.28	20.07	1.31
2.083	1.42	8.083	2.84	14.083	3.28	20.08	1.31
2.100	1.42	8.100	2.84	14.100	3.28	20.10	1.31
2.117	1.42	8.117	2.84	14.117	3.28	20.12	1.31
2.133	1.42	8.133	2.84	14.133	3.28	20.13	1.31
2.150	1.42	8.150	2.84	14.150	3.28	20.15	1.31
2.167	1.42	8.167	2.84	14.167	3.28	20.17	1.31
2.183	1.42	8.183	2.84	14.183	3.28	20.18	1.31
2.200	1.42	8.200	2.84	14.200	3.28	20.20	1.31
2.217	1.42	8.217	2.84	14.217	3.28	20.22	1.31
2.233	1.42	8.233	2.84	14.233	3.28	20.23	1.31
2.250	1.42	8.250	2.84	14.250	3.28	20.25	1.31
2.267	1.42	8.267	2.84	14.267	3.28	20.27	1.31
2.283	1.42	8.283	2.84	14.283	3.28	20.28	1.31
2.300	1.42	8.300	2.84	14.300	3.28	20.30	1.31
2.317	1.42	8.317	2.84	14.317	3.28	20.32	1.31
2.333	1.42	8.333	2.84	14.333	3.28	20.33	1.31
2.350	1.42	8.350	2.84	14.350	3.28	20.35	1.31
2.367	1.42	8.367	2.84	14.367	3.28	20.37	1.31
2.383	1.42	8.383	2.84	14.383	3.28	20.38	1.31
2.400	1.42	8.400	2.84	14.400	3.28	20.40	1.31
2.417	1.42	8.417	2.84	14.417	3.28	20.42	1.31
2.433	1.42	8.433	2.84	14.433	3.28	20.43	1.31
2.450	1.42	8.450	2.84	14.450	3.28	20.45	1.31
2.467	1.42	8.467	2.84	14.467	3.28	20.47	1.31
2.483	1.42	8.483	2.84	14.483	3.28	20.48	1.31
2.500	1.42	8.500	2.84	14.500	3.28	20.50	1.31
2.517	1.42	8.517	3.06	14.517	3.28	20.52	1.31
2.533	1.42	8.533	3.06	14.533	3.28	20.53	1.31
2.550	1.42	8.550	3.06	14.550	3.28	20.55	1.31
2.567	1.42	8.567	3.06	14.567	3.28	20.57	1.31
2.583	1.42	8.583	3.06	14.583	3.28	20.58	1.31
2.600	1.42	8.600	3.06	14.600	3.28	20.60	1.31
2.617	1.42	8.617	3.06	14.617	3.28	20.62	1.31
2.633	1.42	8.633	3.06	14.633	3.28	20.63	1.31
2.650	1.42	8.650	3.06	14.650	3.28	20.65	1.31
2.667	1.42	8.667	3.06	14.667	3.28	20.67	1.31
2.683	1.42	8.683	3.06	14.683	3.28	20.68	1.31
2.700	1.42	8.700	3.06	14.700	3.28	20.70	1.31
2.717	1.42	8.717	3.06	14.717	3.28	20.72	1.31
2.733	1.42	8.733	3.06	14.733	3.28	20.73	1.31
2.750	1.42	8.750	3.06	14.750	3.28	20.75	1.31
2.767	1.42	8.767	3.06	14.767	3.28	20.77	1.31
2.783	1.42	8.783	3.06	14.783	3.28	20.78	1.31
2.800	1.42	8.800	3.06	14.800	3.28	20.80	1.31
2.817	1.42	8.817	3.06	14.817	3.28	20.82	1.31
2.833	1.42	8.833	3.06	14.833	3.28	20.83	1.31
2.850	1.42	8.850	3.06	14.850	3.28	20.85	1.31
2.867	1.42	8.867	3.06	14.867	3.28	20.87	1.31
2.883	1.42	8.883	3.06	14.883	3.28	20.88	1.31
2.900	1.42	8.900	3.06	14.900	3.28	20.90	1.31
2.917	1.42	8.917	3.06	14.917	3.28	20.92	1.31
2.933	1.42	8.933	3.06	14.933	3.28	20.93	1.31
2.950	1.42	8.950	3.06	14.950	3.28	20.95	1.31
2.967	1.42	8.967	3.06	14.967	3.28	20.97	1.31
2.983	1.42	8.983	3.06	14.983	3.28	20.98	1.31
3.000	1.42	9.000	3.06	15.000	3.28	21.00	1.31
3.017	1.42	9.017	3.50	15.017	3.28	21.02	1.31
3.033	1.42	9.033	3.50	15.033	3.28	21.03	1.31
3.050	1.42	9.050	3.50	15.050	3.28	21.05	1.31
3.067	1.42	9.067	3.50	15.067	3.28	21.07	1.31
3.083	1.42	9.083	3.50	15.083	3.28	21.08	1.31
3.100	1.42	9.100	3.50	15.100	3.28	21.10	1.31
3.117	1.42	9.117	3.50	15.117	3.28	21.12	1.31
3.133	1.42	9.133	3.50	15.133	3.28	21.13	1.31
3.150	1.42	9.150	3.50	15.150	3.28	21.15	1.31
3.167	1.42	9.167	3.50	15.167	3.28	21.17	1.31
3.183	1.42	9.183	3.50	15.183	3.28	21.18	1.31
3.200	1.42	9.200	3.50	15.200	3.28	21.20	1.31
3.217	1.42	9.217	3.50	15.217	3.28	21.22	1.31
3.233	1.42	9.233	3.50	15.233	3.28	21.23	1.31
3.250	1.42	9.250	3.50	15.250	3.28	21.25	1.31

3.267	1.42	9.267	3.50	15.267	3.28	21.27	1.31
3.283	1.42	9.283	3.50	15.283	3.28	21.28	1.31
3.300	1.42	9.300	3.50	15.300	3.28	21.30	1.31
3.317	1.42	9.317	3.50	15.317	3.28	21.32	1.31
3.333	1.42	9.333	3.50	15.333	3.28	21.33	1.31
3.350	1.42	9.350	3.50	15.350	3.28	21.35	1.31
3.367	1.42	9.367	3.50	15.367	3.28	21.37	1.31
3.383	1.42	9.383	3.50	15.383	3.28	21.38	1.31
3.400	1.42	9.400	3.50	15.400	3.28	21.40	1.31
3.417	1.42	9.417	3.50	15.417	3.28	21.42	1.31
3.433	1.42	9.433	3.50	15.433	3.28	21.43	1.31
3.450	1.42	9.450	3.50	15.450	3.28	21.45	1.31
3.467	1.42	9.467	3.50	15.467	3.28	21.47	1.31
3.483	1.42	9.483	3.50	15.483	3.28	21.48	1.31
3.500	1.42	9.500	3.50	15.500	3.28	21.50	1.31
3.517	1.42	9.517	3.94	15.517	3.28	21.52	1.31
3.533	1.42	9.533	3.94	15.533	3.28	21.53	1.31
3.550	1.42	9.550	3.94	15.550	3.28	21.55	1.31
3.567	1.42	9.567	3.94	15.567	3.28	21.57	1.31
3.583	1.42	9.583	3.94	15.583	3.28	21.58	1.31
3.600	1.42	9.600	3.94	15.600	3.28	21.60	1.31
3.617	1.42	9.617	3.94	15.617	3.28	21.62	1.31
3.633	1.42	9.633	3.94	15.633	3.28	21.63	1.31
3.650	1.42	9.650	3.94	15.650	3.28	21.65	1.31
3.667	1.42	9.667	3.94	15.667	3.28	21.67	1.31
3.683	1.42	9.683	3.94	15.683	3.28	21.68	1.31
3.700	1.42	9.700	3.94	15.700	3.28	21.70	1.31
3.717	1.42	9.717	3.94	15.717	3.28	21.72	1.31
3.733	1.42	9.733	3.94	15.733	3.28	21.73	1.31
3.750	1.42	9.750	3.94	15.750	3.28	21.75	1.31
3.767	1.42	9.767	3.94	15.767	3.28	21.77	1.31
3.783	1.42	9.783	3.94	15.783	3.28	21.78	1.31
3.800	1.42	9.800	3.94	15.800	3.28	21.80	1.31
3.817	1.42	9.817	3.94	15.817	3.28	21.82	1.31
3.833	1.42	9.833	3.94	15.833	3.28	21.83	1.31
3.850	1.42	9.850	3.94	15.850	3.28	21.85	1.31
3.867	1.42	9.867	3.94	15.867	3.28	21.87	1.31
3.883	1.42	9.883	3.94	15.883	3.28	21.88	1.31
3.900	1.42	9.900	3.94	15.900	3.28	21.90	1.31
3.917	1.42	9.917	3.94	15.917	3.28	21.92	1.31
3.933	1.42	9.933	3.94	15.933	3.28	21.93	1.31
3.950	1.42	9.950	3.94	15.950	3.28	21.95	1.31
3.967	1.42	9.967	3.94	15.967	3.28	21.97	1.31
3.983	1.42	9.983	3.94	15.983	3.28	21.98	1.31
4.000	1.42	10.000	3.94	16.000	3.28	22.00	1.31
4.017	1.75	10.017	5.03	16.017	1.97	22.02	1.31
4.033	1.75	10.033	5.03	16.033	1.97	22.03	1.31
4.050	1.75	10.050	5.03	16.050	1.97	22.05	1.31
4.067	1.75	10.067	5.03	16.067	1.97	22.07	1.31
4.083	1.75	10.083	5.03	16.083	1.97	22.08	1.31
4.100	1.75	10.100	5.03	16.100	1.97	22.10	1.31
4.117	1.75	10.117	5.03	16.117	1.97	22.12	1.31
4.133	1.75	10.133	5.03	16.133	1.97	22.13	1.31
4.150	1.75	10.150	5.03	16.150	1.97	22.15	1.31
4.167	1.75	10.167	5.03	16.167	1.97	22.17	1.31
4.183	1.75	10.183	5.03	16.183	1.97	22.18	1.31
4.200	1.75	10.200	5.03	16.200	1.97	22.20	1.31
4.217	1.75	10.217	5.03	16.217	1.97	22.22	1.31
4.233	1.75	10.233	5.03	16.233	1.97	22.23	1.31
4.250	1.75	10.250	5.03	16.250	1.97	22.25	1.31
4.267	1.75	10.267	5.03	16.267	1.97	22.27	1.31
4.283	1.75	10.283	5.03	16.283	1.97	22.28	1.31
4.300	1.75	10.300	5.03	16.300	1.97	22.30	1.31
4.317	1.75	10.317	5.03	16.317	1.97	22.32	1.31
4.333	1.75	10.333	5.03	16.333	1.97	22.33	1.31
4.350	1.75	10.350	5.03	16.350	1.97	22.35	1.31
4.367	1.75	10.367	5.03	16.367	1.97	22.37	1.31
4.383	1.75	10.383	5.03	16.383	1.97	22.38	1.31
4.400	1.75	10.400	5.03	16.400	1.97	22.40	1.31
4.417	1.75	10.417	5.03	16.417	1.97	22.42	1.31
4.433	1.75	10.433	5.03	16.433	1.97	22.43	1.31
4.450	1.75	10.450	5.03	16.450	1.97	22.45	1.31
4.467	1.75	10.467	5.03	16.467	1.97	22.47	1.31
4.483	1.75	10.483	5.03	16.483	1.97	22.48	1.31
4.500	1.75	10.500	5.03	16.500	1.97	22.50	1.31
4.517	1.75	10.517	6.78	16.517	1.97	22.52	1.31
4.533	1.75	10.533	6.78	16.533	1.97	22.53	1.31
4.550	1.75	10.550	6.78	16.550	1.97	22.55	1.31
4.567	1.75	10.567	6.78	16.567	1.97	22.57	1.31
4.583	1.75	10.583	6.78	16.583	1.97	22.58	1.31
4.600	1.75	10.600	6.78	16.600	1.97	22.60	1.31
4.617	1.75	10.617	6.78	16.617	1.97	22.62	1.31
4.633	1.75	10.633	6.78	16.633	1.97	22.63	1.31
4.650	1.75	10.650	6.78	16.650	1.97	22.65	1.31

4.667	1.75	10.667	6.78	16.667	1.97	22.67	1.31
4.683	1.75	10.683	6.78	16.683	1.97	22.68	1.31
4.700	1.75	10.700	6.78	16.700	1.97	22.70	1.31
4.717	1.75	10.717	6.78	16.717	1.97	22.72	1.31
4.733	1.75	10.733	6.78	16.733	1.97	22.73	1.31
4.750	1.75	10.750	6.78	16.750	1.97	22.75	1.31
4.767	1.75	10.767	6.78	16.767	1.97	22.77	1.31
4.783	1.75	10.783	6.78	16.783	1.97	22.78	1.31
4.800	1.75	10.800	6.78	16.800	1.97	22.80	1.31
4.817	1.75	10.817	6.78	16.817	1.97	22.82	1.31
4.833	1.75	10.833	6.78	16.833	1.97	22.83	1.31
4.850	1.75	10.850	6.78	16.850	1.97	22.85	1.31
4.867	1.75	10.867	6.78	16.867	1.97	22.87	1.31
4.883	1.75	10.883	6.78	16.883	1.97	22.88	1.31
4.900	1.75	10.900	6.78	16.900	1.97	22.90	1.31
4.917	1.75	10.917	6.78	16.917	1.97	22.92	1.31
4.933	1.75	10.933	6.78	16.933	1.97	22.93	1.31
4.950	1.75	10.950	6.78	16.950	1.97	22.95	1.31
4.967	1.75	10.967	6.78	16.967	1.97	22.97	1.31
4.983	1.75	10.983	6.78	16.983	1.97	22.98	1.31
5.000	1.75	11.000	6.78	17.000	1.97	23.00	1.31
5.017	1.75	11.017	10.50	17.017	1.97	23.02	1.31
5.033	1.75	11.033	10.50	17.033	1.97	23.03	1.31
5.050	1.75	11.050	10.50	17.050	1.97	23.05	1.31
5.067	1.75	11.067	10.50	17.067	1.97	23.07	1.31
5.083	1.75	11.083	10.50	17.083	1.97	23.08	1.31
5.100	1.75	11.100	10.50	17.100	1.97	23.10	1.31
5.117	1.75	11.117	10.50	17.117	1.97	23.12	1.31
5.133	1.75	11.133	10.50	17.133	1.97	23.13	1.31
5.150	1.75	11.150	10.50	17.150	1.97	23.15	1.31
5.167	1.75	11.167	10.50	17.167	1.97	23.17	1.31
5.183	1.75	11.183	10.50	17.183	1.97	23.18	1.31
5.200	1.75	11.200	10.50	17.200	1.97	23.20	1.31
5.217	1.75	11.217	10.50	17.217	1.97	23.22	1.31
5.233	1.75	11.233	10.50	17.233	1.97	23.23	1.31
5.250	1.75	11.250	10.50	17.250	1.97	23.25	1.31
5.267	1.75	11.267	10.50	17.267	1.97	23.27	1.31
5.283	1.75	11.283	10.50	17.283	1.97	23.28	1.31
5.300	1.75	11.300	10.50	17.300	1.97	23.30	1.31
5.317	1.75	11.317	10.50	17.317	1.97	23.32	1.31
5.333	1.75	11.333	10.50	17.333	1.97	23.33	1.31
5.350	1.75	11.350	10.50	17.350	1.97	23.35	1.31
5.367	1.75	11.367	10.50	17.367	1.97	23.37	1.31
5.383	1.75	11.383	10.50	17.383	1.97	23.38	1.31
5.400	1.75	11.400	10.50	17.400	1.97	23.40	1.31
5.417	1.75	11.417	10.50	17.417	1.97	23.42	1.31
5.433	1.75	11.433	10.50	17.433	1.97	23.43	1.31
5.450	1.75	11.450	10.50	17.450	1.97	23.45	1.31
5.467	1.75	11.467	10.50	17.467	1.97	23.47	1.31
5.483	1.75	11.483	10.50	17.483	1.97	23.48	1.31
5.500	1.75	11.500	10.50	17.500	1.97	23.50	1.31
5.517	1.75	11.517	32.36	17.517	1.97	23.52	1.31
5.533	1.75	11.533	32.37	17.533	1.97	23.53	1.31
5.550	1.75	11.550	32.37	17.550	1.97	23.55	1.31
5.567	1.75	11.567	32.37	17.567	1.97	23.57	1.31
5.583	1.75	11.583	32.37	17.583	1.97	23.58	1.31
5.600	1.75	11.600	32.37	17.600	1.97	23.60	1.31
5.617	1.75	11.617	32.37	17.617	1.97	23.62	1.31
5.633	1.75	11.633	32.37	17.633	1.97	23.63	1.31
5.650	1.75	11.650	32.37	17.650	1.97	23.65	1.31
5.667	1.75	11.667	32.37	17.667	1.97	23.67	1.31
5.683	1.75	11.683	32.37	17.683	1.97	23.68	1.31
5.700	1.75	11.700	32.37	17.700	1.97	23.70	1.31
5.717	1.75	11.717	32.37	17.717	1.97	23.72	1.31
5.733	1.75	11.733	32.37	17.733	1.97	23.73	1.31
5.750	1.75	11.750	32.37	17.750	1.97	23.75	1.31
5.767	1.75	11.767	133.80	17.767	1.97	23.77	1.31
5.783	1.75	11.783	133.84	17.783	1.97	23.78	1.31
5.800	1.75	11.800	133.84	17.800	1.97	23.80	1.31
5.817	1.75	11.817	133.84	17.817	1.97	23.82	1.31
5.833	1.75	11.833	133.84	17.833	1.97	23.83	1.31
5.850	1.75	11.850	133.84	17.850	1.97	23.85	1.31
5.867	1.75	11.867	133.84	17.867	1.97	23.87	1.31
5.883	1.75	11.883	133.84	17.883	1.97	23.88	1.31
5.900	1.75	11.900	133.84	17.900	1.97	23.90	1.31
5.917	1.75	11.917	133.84	17.917	1.97	23.92	1.31
5.933	1.75	11.933	133.84	17.933	1.97	23.93	1.31
5.950	1.75	11.950	133.84	17.950	1.97	23.95	1.31
5.967	1.75	11.967	133.84	17.967	1.97	23.97	1.31
5.983	1.75	11.983	133.84	17.983	1.97	23.98	1.31
6.000	1.75	12.000	133.84	18.000	1.97	24.00	1.31

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 1.032 (i)
 TIME TO PEAK (hrs)= 12.300
 RUNOFF VOLUME (mm)= 33.919
 TOTAL RAINFALL (mm)= 109.351
 RUNOFF COEFFICIENT = 0.310

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

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-----
| ADD HYD ( 0006) |
| 1 + 2 = 3 |
-----
ID1= 1 ( 0004):   AREA   QPEAK   TPEAK   R.V.
+ ID2= 2 ( 0007):   (ha)   (cms)   (hrs)   (mm)
=====
ID = 3 ( 0006):   33.05  1.254  12.62  26.93
                  15.86  1.032  12.30  33.92
                  48.92  2.167  12.43  37.21
=====
  
```

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:4.6 SCS II 24hr 100yr **

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-----
| CALIB |
| NASHYD ( 0004) |
| ID= 1 DT= 1.0 min |
-----
Area (ha)= 33.05   Curve Number (CN)= 58.0
Ia (mm)= 10.00    # of Linear Res.(N)= 3.00
U.H. Tp(hrs)= 0.64
  
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NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

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----- TRANSFORMED HYETOGRAPH -----
TIME    RAIN    TIME    RAIN    TIME    RAIN    TIME    RAIN
hrs      mm/hr   hrs      mm/hr   hrs      mm/hr   hrs      mm/hr
0.017    1.32    6.017    2.15   12.017    17.32   18.02    2.15
0.033    1.32    6.033    2.15   12.033    17.23   18.03    2.15
0.050    1.32    6.050    2.15   12.050    17.23   18.05    2.15
0.067    1.32    6.067    2.15   12.067    17.23   18.07    2.15
0.083    1.32    6.083    2.15   12.083    17.23   18.08    2.15
0.100    1.32    6.100    2.15   12.100    17.23   18.10    2.15
0.117    1.32    6.117    2.15   12.117    17.23   18.12    2.15
0.133    1.32    6.133    2.15   12.133    17.23   18.13    2.15
0.150    1.32    6.150    2.15   12.150    17.23   18.15    2.15
0.167    1.32    6.167    2.15   12.167    17.23   18.17    2.15
0.183    1.32    6.183    2.15   12.183    17.23   18.18    2.15
0.200    1.32    6.200    2.15   12.200    17.23   18.20    2.15
0.217    1.32    6.217    2.15   12.217    17.23   18.22    2.15
0.233    1.32    6.233    2.15   12.233    17.23   18.23    2.15
0.250    1.32    6.250    2.15   12.250    17.23   18.25    2.15
0.267    1.32    6.267    2.15   12.267    17.23   18.27    2.15
0.283    1.32    6.283    2.15   12.283    17.23   18.28    2.15
0.300    1.32    6.300    2.15   12.300    17.23   18.30    2.15
0.317    1.32    6.317    2.15   12.317    17.23   18.32    2.15
0.333    1.32    6.333    2.15   12.333    17.23   18.33    2.15
0.350    1.32    6.350    2.15   12.350    17.23   18.35    2.15
0.367    1.32    6.367    2.15   12.367    17.23   18.37    2.15
0.383    1.32    6.383    2.15   12.383    17.23   18.38    2.15
0.400    1.32    6.400    2.15   12.400    17.23   18.40    2.15
0.417    1.32    6.417    2.15   12.417    17.23   18.42    2.15
0.433    1.32    6.433    2.15   12.433    17.23   18.43    2.15
0.450    1.32    6.450    2.15   12.450    17.23   18.45    2.15
0.467    1.32    6.467    2.15   12.467    17.23   18.47    2.15
0.483    1.32    6.483    2.15   12.483    17.23   18.48    2.15
0.500    1.32    6.500    2.15   12.500    17.23   18.50    2.15
0.517    1.32    6.517    2.15   12.517    8.86   18.52    2.15
0.533    1.32    6.533    2.15   12.533    8.85   18.53    2.15
0.550    1.32    6.550    2.15   12.550    8.85   18.55    2.15
0.567    1.32    6.567    2.15   12.567    8.85   18.57    2.15
0.583    1.32    6.583    2.15   12.583    8.85   18.58    2.15
0.600    1.32    6.600    2.15   12.600    8.85   18.60    2.15
0.617    1.32    6.617    2.15   12.617    8.85   18.62    2.15
0.633    1.32    6.633    2.15   12.633    8.85   18.63    2.15
0.650    1.32    6.650    2.15   12.650    8.85   18.65    2.15
0.667    1.32    6.667    2.15   12.667    8.85   18.67    2.15
0.683    1.32    6.683    2.15   12.683    8.85   18.68    2.15
0.700    1.32    6.700    2.15   12.700    8.85   18.70    2.15
0.717    1.32    6.717    2.15   12.717    8.85   18.72    2.15
0.733    1.32    6.733    2.15   12.733    8.85   18.73    2.15
0.750    1.32    6.750    2.15   12.750    8.85   18.75    2.15
0.767    1.32    6.767    2.15   12.767    8.85   18.77    2.15
0.783    1.32    6.783    2.15   12.783    8.85   18.78    2.15
0.800    1.32    6.800    2.15   12.800    8.85   18.80    2.15
  
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0.817	1.32	6.817	2.15	12.817	8.85	18.82	2.15
0.833	1.32	6.833	2.15	12.833	8.85	18.83	2.15
0.850	1.32	6.850	2.15	12.850	8.85	18.85	2.15
0.867	1.32	6.867	2.15	12.867	8.85	18.87	2.15
0.883	1.32	6.883	2.15	12.883	8.85	18.88	2.15
0.900	1.32	6.900	2.15	12.900	8.85	18.90	2.15
0.917	1.32	6.917	2.15	12.917	8.85	18.92	2.15
0.933	1.32	6.933	2.15	12.933	8.85	18.93	2.15
0.950	1.32	6.950	2.15	12.950	8.85	18.95	2.15
0.967	1.32	6.967	2.15	12.967	8.85	18.97	2.15
0.983	1.32	6.983	2.15	12.983	8.85	18.98	2.15
1.000	1.32	7.000	2.15	13.000	8.85	19.00	2.15
1.017	1.32	7.017	2.63	13.017	6.46	19.02	2.15
1.033	1.32	7.033	2.63	13.033	6.46	19.03	2.15
1.050	1.32	7.050	2.63	13.050	6.46	19.05	2.15
1.067	1.32	7.067	2.63	13.067	6.46	19.07	2.15
1.083	1.32	7.083	2.63	13.083	6.46	19.08	2.15
1.100	1.32	7.100	2.63	13.100	6.46	19.10	2.15
1.117	1.32	7.117	2.63	13.117	6.46	19.12	2.15
1.133	1.32	7.133	2.63	13.133	6.46	19.13	2.15
1.150	1.32	7.150	2.63	13.150	6.46	19.15	2.15
1.167	1.32	7.167	2.63	13.167	6.46	19.17	2.15
1.183	1.32	7.183	2.63	13.183	6.46	19.18	2.15
1.200	1.32	7.200	2.63	13.200	6.46	19.20	2.15
1.217	1.32	7.217	2.63	13.217	6.46	19.22	2.15
1.233	1.32	7.233	2.63	13.233	6.46	19.23	2.15
1.250	1.32	7.250	2.63	13.250	6.46	19.25	2.15
1.267	1.32	7.267	2.63	13.267	6.46	19.27	2.15
1.283	1.32	7.283	2.63	13.283	6.46	19.28	2.15
1.300	1.32	7.300	2.63	13.300	6.46	19.30	2.15
1.317	1.32	7.317	2.63	13.317	6.46	19.32	2.15
1.333	1.32	7.333	2.63	13.333	6.46	19.33	2.15
1.350	1.32	7.350	2.63	13.350	6.46	19.35	2.15
1.367	1.32	7.367	2.63	13.367	6.46	19.37	2.15
1.383	1.32	7.383	2.63	13.383	6.46	19.38	2.15
1.400	1.32	7.400	2.63	13.400	6.46	19.40	2.15
1.417	1.32	7.417	2.63	13.417	6.46	19.42	2.15
1.433	1.32	7.433	2.63	13.433	6.46	19.43	2.15
1.450	1.32	7.450	2.63	13.450	6.46	19.45	2.15
1.467	1.32	7.467	2.63	13.467	6.46	19.47	2.15
1.483	1.32	7.483	2.63	13.483	6.46	19.48	2.15
1.500	1.32	7.500	2.63	13.500	6.46	19.50	2.15
1.517	1.32	7.517	2.63	13.517	5.03	19.52	2.15
1.533	1.32	7.533	2.63	13.533	5.03	19.53	2.15
1.550	1.32	7.550	2.63	13.550	5.03	19.55	2.15
1.567	1.32	7.567	2.63	13.567	5.03	19.57	2.15
1.583	1.32	7.583	2.63	13.583	5.03	19.58	2.15
1.600	1.32	7.600	2.63	13.600	5.03	19.60	2.15
1.617	1.32	7.617	2.63	13.617	5.03	19.62	2.15
1.633	1.32	7.633	2.63	13.633	5.03	19.63	2.15
1.650	1.32	7.650	2.63	13.650	5.03	19.65	2.15
1.667	1.32	7.667	2.63	13.667	5.03	19.67	2.15
1.683	1.32	7.683	2.63	13.683	5.03	19.68	2.15
1.700	1.32	7.700	2.63	13.700	5.03	19.70	2.15
1.717	1.32	7.717	2.63	13.717	5.03	19.72	2.15
1.733	1.32	7.733	2.63	13.733	5.03	19.73	2.15
1.750	1.32	7.750	2.63	13.750	5.03	19.75	2.15
1.767	1.32	7.767	2.63	13.767	5.03	19.77	2.15
1.783	1.32	7.783	2.63	13.783	5.03	19.78	2.15
1.800	1.32	7.800	2.63	13.800	5.03	19.80	2.15
1.817	1.32	7.817	2.63	13.817	5.03	19.82	2.15
1.833	1.32	7.833	2.63	13.833	5.03	19.83	2.15
1.850	1.32	7.850	2.63	13.850	5.03	19.85	2.15
1.867	1.32	7.867	2.63	13.867	5.03	19.87	2.15
1.883	1.32	7.883	2.63	13.883	5.03	19.88	2.15
1.900	1.32	7.900	2.63	13.900	5.03	19.90	2.15
1.917	1.32	7.917	2.63	13.917	5.03	19.92	2.15
1.933	1.32	7.933	2.63	13.933	5.03	19.93	2.15
1.950	1.32	7.950	2.63	13.950	5.03	19.95	2.15
1.967	1.32	7.967	2.63	13.967	5.03	19.97	2.15
1.983	1.32	7.983	2.63	13.983	5.03	19.98	2.15
2.000	1.32	8.000	2.63	14.000	5.03	20.00	2.15
2.017	1.56	8.017	3.11	14.017	3.59	20.02	1.44
2.033	1.56	8.033	3.11	14.033	3.59	20.03	1.44
2.050	1.56	8.050	3.11	14.050	3.59	20.05	1.44
2.067	1.56	8.067	3.11	14.067	3.59	20.07	1.44
2.083	1.56	8.083	3.11	14.083	3.59	20.08	1.44
2.100	1.56	8.100	3.11	14.100	3.59	20.10	1.44
2.117	1.56	8.117	3.11	14.117	3.59	20.12	1.44
2.133	1.56	8.133	3.11	14.133	3.59	20.13	1.44
2.150	1.56	8.150	3.11	14.150	3.59	20.15	1.44
2.167	1.56	8.167	3.11	14.167	3.59	20.17	1.44
2.183	1.56	8.183	3.11	14.183	3.59	20.18	1.44
2.200	1.56	8.200	3.11	14.200	3.59	20.20	1.44

2.217	1.56	8.217	3.11	14.217	3.59	20.22	1.44
2.233	1.56	8.233	3.11	14.233	3.59	20.23	1.44
2.250	1.56	8.250	3.11	14.250	3.59	20.25	1.44
2.267	1.56	8.267	3.11	14.267	3.59	20.27	1.44
2.283	1.56	8.283	3.11	14.283	3.59	20.28	1.44
2.300	1.56	8.300	3.11	14.300	3.59	20.30	1.44
2.317	1.56	8.317	3.11	14.317	3.59	20.32	1.44
2.333	1.56	8.333	3.11	14.333	3.59	20.33	1.44
2.350	1.56	8.350	3.11	14.350	3.59	20.35	1.44
2.367	1.56	8.367	3.11	14.367	3.59	20.37	1.44
2.383	1.56	8.383	3.11	14.383	3.59	20.38	1.44
2.400	1.56	8.400	3.11	14.400	3.59	20.40	1.44
2.417	1.56	8.417	3.11	14.417	3.59	20.42	1.44
2.433	1.56	8.433	3.11	14.433	3.59	20.43	1.44
2.450	1.56	8.450	3.11	14.450	3.59	20.45	1.44
2.467	1.56	8.467	3.11	14.467	3.59	20.47	1.44
2.483	1.56	8.483	3.11	14.483	3.59	20.48	1.44
2.500	1.56	8.500	3.11	14.500	3.59	20.50	1.44
2.517	1.56	8.517	3.35	14.517	3.59	20.52	1.44
2.533	1.56	8.533	3.35	14.533	3.59	20.53	1.44
2.550	1.56	8.550	3.35	14.550	3.59	20.55	1.44
2.567	1.56	8.567	3.35	14.567	3.59	20.57	1.44
2.583	1.56	8.583	3.35	14.583	3.59	20.58	1.44
2.600	1.56	8.600	3.35	14.600	3.59	20.60	1.44
2.617	1.56	8.617	3.35	14.617	3.59	20.62	1.44
2.633	1.56	8.633	3.35	14.633	3.59	20.63	1.44
2.650	1.56	8.650	3.35	14.650	3.59	20.65	1.44
2.667	1.56	8.667	3.35	14.667	3.59	20.67	1.44
2.683	1.56	8.683	3.35	14.683	3.59	20.68	1.44
2.700	1.56	8.700	3.35	14.700	3.59	20.70	1.44
2.717	1.56	8.717	3.35	14.717	3.59	20.72	1.44
2.733	1.56	8.733	3.35	14.733	3.59	20.73	1.44
2.750	1.56	8.750	3.35	14.750	3.59	20.75	1.44
2.767	1.56	8.767	3.35	14.767	3.59	20.77	1.44
2.783	1.56	8.783	3.35	14.783	3.59	20.78	1.44
2.800	1.56	8.800	3.35	14.800	3.59	20.80	1.44
2.817	1.56	8.817	3.35	14.817	3.59	20.82	1.44
2.833	1.56	8.833	3.35	14.833	3.59	20.83	1.44
2.850	1.56	8.850	3.35	14.850	3.59	20.85	1.44
2.867	1.56	8.867	3.35	14.867	3.59	20.87	1.44
2.883	1.56	8.883	3.35	14.883	3.59	20.88	1.44
2.900	1.56	8.900	3.35	14.900	3.59	20.90	1.44
2.917	1.56	8.917	3.35	14.917	3.59	20.92	1.44
2.933	1.56	8.933	3.35	14.933	3.59	20.93	1.44
2.950	1.56	8.950	3.35	14.950	3.59	20.95	1.44
2.967	1.56	8.967	3.35	14.967	3.59	20.97	1.44
2.983	1.56	8.983	3.35	14.983	3.59	20.98	1.44
3.000	1.56	9.000	3.35	15.000	3.59	21.00	1.44
3.017	1.56	9.017	3.83	15.017	3.59	21.02	1.44
3.033	1.56	9.033	3.83	15.033	3.59	21.03	1.44
3.050	1.56	9.050	3.83	15.050	3.59	21.05	1.44
3.067	1.56	9.067	3.83	15.067	3.59	21.07	1.44
3.083	1.56	9.083	3.83	15.083	3.59	21.08	1.44
3.100	1.56	9.100	3.83	15.100	3.59	21.10	1.44
3.117	1.56	9.117	3.83	15.117	3.59	21.12	1.44
3.133	1.56	9.133	3.83	15.133	3.59	21.13	1.44
3.150	1.56	9.150	3.83	15.150	3.59	21.15	1.44
3.167	1.56	9.167	3.83	15.167	3.59	21.17	1.44
3.183	1.56	9.183	3.83	15.183	3.59	21.18	1.44
3.200	1.56	9.200	3.83	15.200	3.59	21.20	1.44
3.217	1.56	9.217	3.83	15.217	3.59	21.22	1.44
3.233	1.56	9.233	3.83	15.233	3.59	21.23	1.44
3.250	1.56	9.250	3.83	15.250	3.59	21.25	1.44
3.267	1.56	9.267	3.83	15.267	3.59	21.27	1.44
3.283	1.56	9.283	3.83	15.283	3.59	21.28	1.44
3.300	1.56	9.300	3.83	15.300	3.59	21.30	1.44
3.317	1.56	9.317	3.83	15.317	3.59	21.32	1.44
3.333	1.56	9.333	3.83	15.333	3.59	21.33	1.44
3.350	1.56	9.350	3.83	15.350	3.59	21.35	1.44
3.367	1.56	9.367	3.83	15.367	3.59	21.37	1.44
3.383	1.56	9.383	3.83	15.383	3.59	21.38	1.44
3.400	1.56	9.400	3.83	15.400	3.59	21.40	1.44
3.417	1.56	9.417	3.83	15.417	3.59	21.42	1.44
3.433	1.56	9.433	3.83	15.433	3.59	21.43	1.44
3.450	1.56	9.450	3.83	15.450	3.59	21.45	1.44
3.467	1.56	9.467	3.83	15.467	3.59	21.47	1.44
3.483	1.56	9.483	3.83	15.483	3.59	21.48	1.44
3.500	1.56	9.500	3.83	15.500	3.59	21.50	1.44
3.517	1.56	9.517	4.31	15.517	3.59	21.52	1.44
3.533	1.56	9.533	4.31	15.533	3.59	21.53	1.44
3.550	1.56	9.550	4.31	15.550	3.59	21.55	1.44
3.567	1.56	9.567	4.31	15.567	3.59	21.57	1.44
3.583	1.56	9.583	4.31	15.583	3.59	21.58	1.44
3.600	1.56	9.600	4.31	15.600	3.59	21.60	1.44

3.617	1.56	9.617	4.31	15.617	3.59	21.62	1.44
3.633	1.56	9.633	4.31	15.633	3.59	21.63	1.44
3.650	1.56	9.650	4.31	15.650	3.59	21.65	1.44
3.667	1.56	9.667	4.31	15.667	3.59	21.67	1.44
3.683	1.56	9.683	4.31	15.683	3.59	21.68	1.44
3.700	1.56	9.700	4.31	15.700	3.59	21.70	1.44
3.717	1.56	9.717	4.31	15.717	3.59	21.72	1.44
3.733	1.56	9.733	4.31	15.733	3.59	21.73	1.44
3.750	1.56	9.750	4.31	15.750	3.59	21.75	1.44
3.767	1.56	9.767	4.31	15.767	3.59	21.77	1.44
3.783	1.56	9.783	4.31	15.783	3.59	21.78	1.44
3.800	1.56	9.800	4.31	15.800	3.59	21.80	1.44
3.817	1.56	9.817	4.31	15.817	3.59	21.82	1.44
3.833	1.56	9.833	4.31	15.833	3.59	21.83	1.44
3.850	1.56	9.850	4.31	15.850	3.59	21.85	1.44
3.867	1.56	9.867	4.31	15.867	3.59	21.87	1.44
3.883	1.56	9.883	4.31	15.883	3.59	21.88	1.44
3.900	1.56	9.900	4.31	15.900	3.59	21.90	1.44
3.917	1.56	9.917	4.31	15.917	3.59	21.92	1.44
3.933	1.56	9.933	4.31	15.933	3.59	21.93	1.44
3.950	1.56	9.950	4.31	15.950	3.59	21.95	1.44
3.967	1.56	9.967	4.31	15.967	3.59	21.97	1.44
3.983	1.56	9.983	4.31	15.983	3.59	21.98	1.44
4.000	1.56	10.000	4.31	16.000	3.59	22.00	1.44
4.017	1.91	10.017	5.50	16.017	2.16	22.02	1.44
4.033	1.91	10.033	5.50	16.033	2.15	22.03	1.44
4.050	1.91	10.050	5.50	16.050	2.15	22.05	1.44
4.067	1.91	10.067	5.50	16.067	2.15	22.07	1.44
4.083	1.91	10.083	5.50	16.083	2.15	22.08	1.44
4.100	1.91	10.100	5.50	16.100	2.15	22.10	1.44
4.117	1.91	10.117	5.50	16.117	2.15	22.12	1.44
4.133	1.91	10.133	5.50	16.133	2.15	22.13	1.44
4.150	1.91	10.150	5.50	16.150	2.15	22.15	1.44
4.167	1.91	10.167	5.50	16.167	2.15	22.17	1.44
4.183	1.91	10.183	5.50	16.183	2.15	22.18	1.44
4.200	1.91	10.200	5.50	16.200	2.15	22.20	1.44
4.217	1.91	10.217	5.50	16.217	2.15	22.22	1.44
4.233	1.91	10.233	5.50	16.233	2.15	22.23	1.44
4.250	1.91	10.250	5.50	16.250	2.15	22.25	1.44
4.267	1.91	10.267	5.50	16.267	2.15	22.27	1.44
4.283	1.91	10.283	5.50	16.283	2.15	22.28	1.44
4.300	1.91	10.300	5.50	16.300	2.15	22.30	1.44
4.317	1.91	10.317	5.50	16.317	2.15	22.32	1.44
4.333	1.91	10.333	5.50	16.333	2.15	22.33	1.44
4.350	1.91	10.350	5.50	16.350	2.15	22.35	1.44
4.367	1.91	10.367	5.50	16.367	2.15	22.37	1.44
4.383	1.91	10.383	5.50	16.383	2.15	22.38	1.44
4.400	1.91	10.400	5.50	16.400	2.15	22.40	1.44
4.417	1.91	10.417	5.50	16.417	2.15	22.42	1.44
4.433	1.91	10.433	5.50	16.433	2.15	22.43	1.44
4.450	1.91	10.450	5.50	16.450	2.15	22.45	1.44
4.467	1.91	10.467	5.50	16.467	2.15	22.47	1.44
4.483	1.91	10.483	5.50	16.483	2.15	22.48	1.44
4.500	1.91	10.500	5.51	16.500	2.15	22.50	1.44
4.517	1.91	10.517	7.42	16.517	2.15	22.52	1.44
4.533	1.91	10.533	7.42	16.533	2.15	22.53	1.44
4.550	1.91	10.550	7.42	16.550	2.15	22.55	1.44
4.567	1.91	10.567	7.42	16.567	2.15	22.57	1.44
4.583	1.91	10.583	7.42	16.583	2.15	22.58	1.44
4.600	1.91	10.600	7.42	16.600	2.15	22.60	1.44
4.617	1.91	10.617	7.42	16.617	2.15	22.62	1.44
4.633	1.91	10.633	7.42	16.633	2.15	22.63	1.44
4.650	1.91	10.650	7.42	16.650	2.15	22.65	1.44
4.667	1.91	10.667	7.42	16.667	2.15	22.67	1.44
4.683	1.91	10.683	7.42	16.683	2.15	22.68	1.44
4.700	1.91	10.700	7.42	16.700	2.15	22.70	1.44
4.717	1.91	10.717	7.42	16.717	2.15	22.72	1.44
4.733	1.91	10.733	7.42	16.733	2.15	22.73	1.44
4.750	1.91	10.750	7.42	16.750	2.15	22.75	1.44
4.767	1.91	10.767	7.42	16.767	2.15	22.77	1.44
4.783	1.91	10.783	7.42	16.783	2.15	22.78	1.44
4.800	1.91	10.800	7.42	16.800	2.15	22.80	1.44
4.817	1.91	10.817	7.42	16.817	2.15	22.82	1.44
4.833	1.91	10.833	7.42	16.833	2.15	22.83	1.44
4.850	1.91	10.850	7.42	16.850	2.15	22.85	1.44
4.867	1.91	10.867	7.42	16.867	2.15	22.87	1.44
4.883	1.91	10.883	7.42	16.883	2.15	22.88	1.44
4.900	1.91	10.900	7.42	16.900	2.15	22.90	1.44
4.917	1.91	10.917	7.42	16.917	2.15	22.92	1.44
4.933	1.91	10.933	7.42	16.933	2.15	22.93	1.44
4.950	1.91	10.950	7.42	16.950	2.15	22.95	1.44
4.967	1.91	10.967	7.42	16.967	2.15	22.97	1.44
4.983	1.91	10.983	7.42	16.983	2.15	22.98	1.44
5.000	1.91	11.000	7.42	17.000	2.15	23.00	1.44

5.017	1.91	11.017	11.49	17.017	2.15	23.02	1.44
5.033	1.91	11.033	11.49	17.033	2.15	23.03	1.44
5.050	1.91	11.050	11.49	17.050	2.15	23.05	1.44
5.067	1.91	11.067	11.49	17.067	2.15	23.07	1.44
5.083	1.91	11.083	11.49	17.083	2.15	23.08	1.44
5.100	1.91	11.100	11.49	17.100	2.15	23.10	1.44
5.117	1.91	11.117	11.49	17.117	2.15	23.12	1.44
5.133	1.91	11.133	11.49	17.133	2.15	23.13	1.44
5.150	1.91	11.150	11.49	17.150	2.15	23.15	1.44
5.167	1.91	11.167	11.49	17.167	2.15	23.17	1.44
5.183	1.91	11.183	11.49	17.183	2.15	23.18	1.44
5.200	1.91	11.200	11.49	17.200	2.15	23.20	1.44
5.217	1.91	11.217	11.49	17.217	2.15	23.22	1.44
5.233	1.91	11.233	11.49	17.233	2.15	23.23	1.44
5.250	1.91	11.250	11.49	17.250	2.15	23.25	1.44
5.267	1.91	11.267	11.49	17.267	2.15	23.27	1.44
5.283	1.91	11.283	11.49	17.283	2.15	23.28	1.44
5.300	1.91	11.300	11.49	17.300	2.15	23.30	1.44
5.317	1.91	11.317	11.49	17.317	2.15	23.32	1.44
5.333	1.91	11.333	11.49	17.333	2.15	23.33	1.44
5.350	1.91	11.350	11.49	17.350	2.15	23.35	1.44
5.367	1.91	11.367	11.49	17.367	2.15	23.37	1.44
5.383	1.91	11.383	11.49	17.383	2.15	23.38	1.44
5.400	1.91	11.400	11.49	17.400	2.15	23.40	1.44
5.417	1.91	11.417	11.49	17.417	2.15	23.42	1.44
5.433	1.91	11.433	11.49	17.433	2.15	23.43	1.44
5.450	1.91	11.450	11.49	17.450	2.15	23.45	1.44
5.467	1.91	11.467	11.49	17.467	2.15	23.47	1.44
5.483	1.91	11.483	11.49	17.483	2.15	23.48	1.44
5.500	1.91	11.500	11.49	17.500	2.15	23.50	1.44
5.517	1.91	11.517	35.41	17.517	2.15	23.52	1.44
5.533	1.91	11.533	35.42	17.533	2.15	23.53	1.44
5.550	1.91	11.550	35.42	17.550	2.15	23.55	1.44
5.567	1.91	11.567	35.42	17.567	2.15	23.57	1.44
5.583	1.91	11.583	35.42	17.583	2.15	23.58	1.44
5.600	1.91	11.600	35.42	17.600	2.15	23.60	1.44
5.617	1.91	11.617	35.42	17.617	2.15	23.62	1.44
5.633	1.91	11.633	35.42	17.633	2.15	23.63	1.44
5.650	1.91	11.650	35.42	17.650	2.15	23.65	1.44
5.667	1.91	11.667	35.42	17.667	2.15	23.67	1.44
5.683	1.91	11.683	35.42	17.683	2.15	23.68	1.44
5.700	1.91	11.700	35.42	17.700	2.15	23.70	1.44
5.717	1.91	11.717	35.42	17.717	2.15	23.72	1.44
5.733	1.91	11.733	35.42	17.733	2.15	23.73	1.44
5.750	1.91	11.750	35.42	17.750	2.15	23.75	1.44
5.767	1.91	11.767	146.40	17.767	2.15	23.77	1.44
5.783	1.91	11.783	146.45	17.783	2.15	23.78	1.44
5.800	1.91	11.800	146.45	17.800	2.15	23.80	1.44
5.817	1.91	11.817	146.45	17.817	2.15	23.82	1.44
5.833	1.91	11.833	146.45	17.833	2.15	23.83	1.44
5.850	1.91	11.850	146.45	17.850	2.15	23.85	1.44
5.867	1.91	11.867	146.45	17.867	2.15	23.87	1.44
5.883	1.91	11.883	146.45	17.883	2.15	23.88	1.44
5.900	1.91	11.900	146.45	17.900	2.15	23.90	1.44
5.917	1.91	11.917	146.45	17.917	2.15	23.92	1.44
5.933	1.91	11.933	146.45	17.933	2.15	23.93	1.44
5.950	1.91	11.950	146.45	17.950	2.15	23.95	1.44
5.967	1.91	11.967	146.45	17.967	2.15	23.97	1.44
5.983	1.91	11.983	146.45	17.983	2.15	23.98	1.44
6.000	1.91	12.000	146.45	18.000	2.15	24.00	1.44

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 1.482 (i)
TIME TO PEAK (hrs)= 12.600
RUNOFF VOLUME (mm)= 31.834
TOTAL RAINFALL (mm)= 119.651
RUNOFF COEFFICIENT = 0.266

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr

0.017	1.32	6.017	2.15	12.017	17.32	18.02	2.15
0.033	1.32	6.033	2.15	12.033	17.23	18.03	2.15
0.050	1.32	6.050	2.15	12.050	17.23	18.05	2.15
0.067	1.32	6.067	2.15	12.067	17.23	18.07	2.15
0.083	1.32	6.083	2.15	12.083	17.23	18.08	2.15
0.100	1.32	6.100	2.15	12.100	17.23	18.10	2.15
0.117	1.32	6.117	2.15	12.117	17.23	18.12	2.15
0.133	1.32	6.133	2.15	12.133	17.23	18.13	2.15
0.150	1.32	6.150	2.15	12.150	17.23	18.15	2.15
0.167	1.32	6.167	2.15	12.167	17.23	18.17	2.15
0.183	1.32	6.183	2.15	12.183	17.23	18.18	2.15
0.200	1.32	6.200	2.15	12.200	17.23	18.20	2.15
0.217	1.32	6.217	2.15	12.217	17.23	18.22	2.15
0.233	1.32	6.233	2.15	12.233	17.23	18.23	2.15
0.250	1.32	6.250	2.15	12.250	17.23	18.25	2.15
0.267	1.32	6.267	2.15	12.267	17.23	18.27	2.15
0.283	1.32	6.283	2.15	12.283	17.23	18.28	2.15
0.300	1.32	6.300	2.15	12.300	17.23	18.30	2.15
0.317	1.32	6.317	2.15	12.317	17.23	18.32	2.15
0.333	1.32	6.333	2.15	12.333	17.23	18.33	2.15
0.350	1.32	6.350	2.15	12.350	17.23	18.35	2.15
0.367	1.32	6.367	2.15	12.367	17.23	18.37	2.15
0.383	1.32	6.383	2.15	12.383	17.23	18.38	2.15
0.400	1.32	6.400	2.15	12.400	17.23	18.40	2.15
0.417	1.32	6.417	2.15	12.417	17.23	18.42	2.15
0.433	1.32	6.433	2.15	12.433	17.23	18.43	2.15
0.450	1.32	6.450	2.15	12.450	17.23	18.45	2.15
0.467	1.32	6.467	2.15	12.467	17.23	18.47	2.15
0.483	1.32	6.483	2.15	12.483	17.23	18.48	2.15
0.500	1.32	6.500	2.15	12.500	17.23	18.50	2.15
0.517	1.32	6.517	2.15	12.517	8.86	18.52	2.15
0.533	1.32	6.533	2.15	12.533	8.85	18.53	2.15
0.550	1.32	6.550	2.15	12.550	8.85	18.55	2.15
0.567	1.32	6.567	2.15	12.567	8.85	18.57	2.15
0.583	1.32	6.583	2.15	12.583	8.85	18.58	2.15
0.600	1.32	6.600	2.15	12.600	8.85	18.60	2.15
0.617	1.32	6.617	2.15	12.617	8.85	18.62	2.15
0.633	1.32	6.633	2.15	12.633	8.85	18.63	2.15
0.650	1.32	6.650	2.15	12.650	8.85	18.65	2.15
0.667	1.32	6.667	2.15	12.667	8.85	18.67	2.15
0.683	1.32	6.683	2.15	12.683	8.85	18.68	2.15
0.700	1.32	6.700	2.15	12.700	8.85	18.70	2.15
0.717	1.32	6.717	2.15	12.717	8.85	18.72	2.15
0.733	1.32	6.733	2.15	12.733	8.85	18.73	2.15
0.750	1.32	6.750	2.15	12.750	8.85	18.75	2.15
0.767	1.32	6.767	2.15	12.767	8.85	18.77	2.15
0.783	1.32	6.783	2.15	12.783	8.85	18.78	2.15
0.800	1.32	6.800	2.15	12.800	8.85	18.80	2.15
0.817	1.32	6.817	2.15	12.817	8.85	18.82	2.15
0.833	1.32	6.833	2.15	12.833	8.85	18.83	2.15
0.850	1.32	6.850	2.15	12.850	8.85	18.85	2.15
0.867	1.32	6.867	2.15	12.867	8.85	18.87	2.15
0.883	1.32	6.883	2.15	12.883	8.85	18.88	2.15
0.900	1.32	6.900	2.15	12.900	8.85	18.90	2.15
0.917	1.32	6.917	2.15	12.917	8.85	18.92	2.15
0.933	1.32	6.933	2.15	12.933	8.85	18.93	2.15
0.950	1.32	6.950	2.15	12.950	8.85	18.95	2.15
0.967	1.32	6.967	2.15	12.967	8.85	18.97	2.15
0.983	1.32	6.983	2.15	12.983	8.85	18.98	2.15
1.000	1.32	7.000	2.15	13.000	8.85	19.00	2.15
1.017	1.32	7.017	2.63	13.017	6.46	19.02	2.15
1.033	1.32	7.033	2.63	13.033	6.46	19.03	2.15
1.050	1.32	7.050	2.63	13.050	6.46	19.05	2.15
1.067	1.32	7.067	2.63	13.067	6.46	19.07	2.15
1.083	1.32	7.083	2.63	13.083	6.46	19.08	2.15
1.100	1.32	7.100	2.63	13.100	6.46	19.10	2.15
1.117	1.32	7.117	2.63	13.117	6.46	19.12	2.15
1.133	1.32	7.133	2.63	13.133	6.46	19.13	2.15
1.150	1.32	7.150	2.63	13.150	6.46	19.15	2.15
1.167	1.32	7.167	2.63	13.167	6.46	19.17	2.15
1.183	1.32	7.183	2.63	13.183	6.46	19.18	2.15
1.200	1.32	7.200	2.63	13.200	6.46	19.20	2.15
1.217	1.32	7.217	2.63	13.217	6.46	19.22	2.15
1.233	1.32	7.233	2.63	13.233	6.46	19.23	2.15
1.250	1.32	7.250	2.63	13.250	6.46	19.25	2.15
1.267	1.32	7.267	2.63	13.267	6.46	19.27	2.15
1.283	1.32	7.283	2.63	13.283	6.46	19.28	2.15
1.300	1.32	7.300	2.63	13.300	6.46	19.30	2.15
1.317	1.32	7.317	2.63	13.317	6.46	19.32	2.15
1.333	1.32	7.333	2.63	13.333	6.46	19.33	2.15
1.350	1.32	7.350	2.63	13.350	6.46	19.35	2.15
1.367	1.32	7.367	2.63	13.367	6.46	19.37	2.15
1.383	1.32	7.383	2.63	13.383	6.46	19.38	2.15
1.400	1.32	7.400	2.63	13.400	6.46	19.40	2.15

1.417	1.32	7.417	2.63	13.417	6.46	19.42	2.15
1.433	1.32	7.433	2.63	13.433	6.46	19.43	2.15
1.450	1.32	7.450	2.63	13.450	6.46	19.45	2.15
1.467	1.32	7.467	2.63	13.467	6.46	19.47	2.15
1.483	1.32	7.483	2.63	13.483	6.46	19.48	2.15
1.500	1.32	7.500	2.63	13.500	6.46	19.50	2.15
1.517	1.32	7.517	2.63	13.517	5.03	19.52	2.15
1.533	1.32	7.533	2.63	13.533	5.03	19.53	2.15
1.550	1.32	7.550	2.63	13.550	5.03	19.55	2.15
1.567	1.32	7.567	2.63	13.567	5.03	19.57	2.15
1.583	1.32	7.583	2.63	13.583	5.03	19.58	2.15
1.600	1.32	7.600	2.63	13.600	5.03	19.60	2.15
1.617	1.32	7.617	2.63	13.617	5.03	19.62	2.15
1.633	1.32	7.633	2.63	13.633	5.03	19.63	2.15
1.650	1.32	7.650	2.63	13.650	5.03	19.65	2.15
1.667	1.32	7.667	2.63	13.667	5.03	19.67	2.15
1.683	1.32	7.683	2.63	13.683	5.03	19.68	2.15
1.700	1.32	7.700	2.63	13.700	5.03	19.70	2.15
1.717	1.32	7.717	2.63	13.717	5.03	19.72	2.15
1.733	1.32	7.733	2.63	13.733	5.03	19.73	2.15
1.750	1.32	7.750	2.63	13.750	5.03	19.75	2.15
1.767	1.32	7.767	2.63	13.767	5.03	19.77	2.15
1.783	1.32	7.783	2.63	13.783	5.03	19.78	2.15
1.800	1.32	7.800	2.63	13.800	5.03	19.80	2.15
1.817	1.32	7.817	2.63	13.817	5.03	19.82	2.15
1.833	1.32	7.833	2.63	13.833	5.03	19.83	2.15
1.850	1.32	7.850	2.63	13.850	5.03	19.85	2.15
1.867	1.32	7.867	2.63	13.867	5.03	19.87	2.15
1.883	1.32	7.883	2.63	13.883	5.03	19.88	2.15
1.900	1.32	7.900	2.63	13.900	5.03	19.90	2.15
1.917	1.32	7.917	2.63	13.917	5.03	19.92	2.15
1.933	1.32	7.933	2.63	13.933	5.03	19.93	2.15
1.950	1.32	7.950	2.63	13.950	5.03	19.95	2.15
1.967	1.32	7.967	2.63	13.967	5.03	19.97	2.15
1.983	1.32	7.983	2.63	13.983	5.03	19.98	2.15
2.000	1.32	8.000	2.63	14.000	5.03	20.00	2.15
2.017	1.56	8.017	3.11	14.017	3.59	20.02	1.44
2.033	1.56	8.033	3.11	14.033	3.59	20.03	1.44
2.050	1.56	8.050	3.11	14.050	3.59	20.05	1.44
2.067	1.56	8.067	3.11	14.067	3.59	20.07	1.44
2.083	1.56	8.083	3.11	14.083	3.59	20.08	1.44
2.100	1.56	8.100	3.11	14.100	3.59	20.10	1.44
2.117	1.56	8.117	3.11	14.117	3.59	20.12	1.44
2.133	1.56	8.133	3.11	14.133	3.59	20.13	1.44
2.150	1.56	8.150	3.11	14.150	3.59	20.15	1.44
2.167	1.56	8.167	3.11	14.167	3.59	20.17	1.44
2.183	1.56	8.183	3.11	14.183	3.59	20.18	1.44
2.200	1.56	8.200	3.11	14.200	3.59	20.20	1.44
2.217	1.56	8.217	3.11	14.217	3.59	20.22	1.44
2.233	1.56	8.233	3.11	14.233	3.59	20.23	1.44
2.250	1.56	8.250	3.11	14.250	3.59	20.25	1.44
2.267	1.56	8.267	3.11	14.267	3.59	20.27	1.44
2.283	1.56	8.283	3.11	14.283	3.59	20.28	1.44
2.300	1.56	8.300	3.11	14.300	3.59	20.30	1.44
2.317	1.56	8.317	3.11	14.317	3.59	20.32	1.44
2.333	1.56	8.333	3.11	14.333	3.59	20.33	1.44
2.350	1.56	8.350	3.11	14.350	3.59	20.35	1.44
2.367	1.56	8.367	3.11	14.367	3.59	20.37	1.44
2.383	1.56	8.383	3.11	14.383	3.59	20.38	1.44
2.400	1.56	8.400	3.11	14.400	3.59	20.40	1.44
2.417	1.56	8.417	3.11	14.417	3.59	20.42	1.44
2.433	1.56	8.433	3.11	14.433	3.59	20.43	1.44
2.450	1.56	8.450	3.11	14.450	3.59	20.45	1.44
2.467	1.56	8.467	3.11	14.467	3.59	20.47	1.44
2.483	1.56	8.483	3.11	14.483	3.59	20.48	1.44
2.500	1.56	8.500	3.11	14.500	3.59	20.50	1.44
2.517	1.56	8.517	3.35	14.517	3.59	20.52	1.44
2.533	1.56	8.533	3.35	14.533	3.59	20.53	1.44
2.550	1.56	8.550	3.35	14.550	3.59	20.55	1.44
2.567	1.56	8.567	3.35	14.567	3.59	20.57	1.44
2.583	1.56	8.583	3.35	14.583	3.59	20.58	1.44
2.600	1.56	8.600	3.35	14.600	3.59	20.60	1.44
2.617	1.56	8.617	3.35	14.617	3.59	20.62	1.44
2.633	1.56	8.633	3.35	14.633	3.59	20.63	1.44
2.650	1.56	8.650	3.35	14.650	3.59	20.65	1.44
2.667	1.56	8.667	3.35	14.667	3.59	20.67	1.44
2.683	1.56	8.683	3.35	14.683	3.59	20.68	1.44
2.700	1.56	8.700	3.35	14.700	3.59	20.70	1.44
2.717	1.56	8.717	3.35	14.717	3.59	20.72	1.44
2.733	1.56	8.733	3.35	14.733	3.59	20.73	1.44
2.750	1.56	8.750	3.35	14.750	3.59	20.75	1.44
2.767	1.56	8.767	3.35	14.767	3.59	20.77	1.44
2.783	1.56	8.783	3.35	14.783	3.59	20.78	1.44
2.800	1.56	8.800	3.35	14.800	3.59	20.80	1.44

2.817	1.56	8.817	3.35	14.817	3.59	20.82	1.44
2.833	1.56	8.833	3.35	14.833	3.59	20.83	1.44
2.850	1.56	8.850	3.35	14.850	3.59	20.85	1.44
2.867	1.56	8.867	3.35	14.867	3.59	20.87	1.44
2.883	1.56	8.883	3.35	14.883	3.59	20.88	1.44
2.900	1.56	8.900	3.35	14.900	3.59	20.90	1.44
2.917	1.56	8.917	3.35	14.917	3.59	20.92	1.44
2.933	1.56	8.933	3.35	14.933	3.59	20.93	1.44
2.950	1.56	8.950	3.35	14.950	3.59	20.95	1.44
2.967	1.56	8.967	3.35	14.967	3.59	20.97	1.44
2.983	1.56	8.983	3.35	14.983	3.59	20.98	1.44
3.000	1.56	9.000	3.35	15.000	3.59	21.00	1.44
3.017	1.56	9.017	3.83	15.017	3.59	21.02	1.44
3.033	1.56	9.033	3.83	15.033	3.59	21.03	1.44
3.050	1.56	9.050	3.83	15.050	3.59	21.05	1.44
3.067	1.56	9.067	3.83	15.067	3.59	21.07	1.44
3.083	1.56	9.083	3.83	15.083	3.59	21.08	1.44
3.100	1.56	9.100	3.83	15.100	3.59	21.10	1.44
3.117	1.56	9.117	3.83	15.117	3.59	21.12	1.44
3.133	1.56	9.133	3.83	15.133	3.59	21.13	1.44
3.150	1.56	9.150	3.83	15.150	3.59	21.15	1.44
3.167	1.56	9.167	3.83	15.167	3.59	21.17	1.44
3.183	1.56	9.183	3.83	15.183	3.59	21.18	1.44
3.200	1.56	9.200	3.83	15.200	3.59	21.20	1.44
3.217	1.56	9.217	3.83	15.217	3.59	21.22	1.44
3.233	1.56	9.233	3.83	15.233	3.59	21.23	1.44
3.250	1.56	9.250	3.83	15.250	3.59	21.25	1.44
3.267	1.56	9.267	3.83	15.267	3.59	21.27	1.44
3.283	1.56	9.283	3.83	15.283	3.59	21.28	1.44
3.300	1.56	9.300	3.83	15.300	3.59	21.30	1.44
3.317	1.56	9.317	3.83	15.317	3.59	21.32	1.44
3.333	1.56	9.333	3.83	15.333	3.59	21.33	1.44
3.350	1.56	9.350	3.83	15.350	3.59	21.35	1.44
3.367	1.56	9.367	3.83	15.367	3.59	21.37	1.44
3.383	1.56	9.383	3.83	15.383	3.59	21.38	1.44
3.400	1.56	9.400	3.83	15.400	3.59	21.40	1.44
3.417	1.56	9.417	3.83	15.417	3.59	21.42	1.44
3.433	1.56	9.433	3.83	15.433	3.59	21.43	1.44
3.450	1.56	9.450	3.83	15.450	3.59	21.45	1.44
3.467	1.56	9.467	3.83	15.467	3.59	21.47	1.44
3.483	1.56	9.483	3.83	15.483	3.59	21.48	1.44
3.500	1.56	9.500	3.83	15.500	3.59	21.50	1.44
3.517	1.56	9.517	4.31	15.517	3.59	21.52	1.44
3.533	1.56	9.533	4.31	15.533	3.59	21.53	1.44
3.550	1.56	9.550	4.31	15.550	3.59	21.55	1.44
3.567	1.56	9.567	4.31	15.567	3.59	21.57	1.44
3.583	1.56	9.583	4.31	15.583	3.59	21.58	1.44
3.600	1.56	9.600	4.31	15.600	3.59	21.60	1.44
3.617	1.56	9.617	4.31	15.617	3.59	21.62	1.44
3.633	1.56	9.633	4.31	15.633	3.59	21.63	1.44
3.650	1.56	9.650	4.31	15.650	3.59	21.65	1.44
3.667	1.56	9.667	4.31	15.667	3.59	21.67	1.44
3.683	1.56	9.683	4.31	15.683	3.59	21.68	1.44
3.700	1.56	9.700	4.31	15.700	3.59	21.70	1.44
3.717	1.56	9.717	4.31	15.717	3.59	21.72	1.44
3.733	1.56	9.733	4.31	15.733	3.59	21.73	1.44
3.750	1.56	9.750	4.31	15.750	3.59	21.75	1.44
3.767	1.56	9.767	4.31	15.767	3.59	21.77	1.44
3.783	1.56	9.783	4.31	15.783	3.59	21.78	1.44
3.800	1.56	9.800	4.31	15.800	3.59	21.80	1.44
3.817	1.56	9.817	4.31	15.817	3.59	21.82	1.44
3.833	1.56	9.833	4.31	15.833	3.59	21.83	1.44
3.850	1.56	9.850	4.31	15.850	3.59	21.85	1.44
3.867	1.56	9.867	4.31	15.867	3.59	21.87	1.44
3.883	1.56	9.883	4.31	15.883	3.59	21.88	1.44
3.900	1.56	9.900	4.31	15.900	3.59	21.90	1.44
3.917	1.56	9.917	4.31	15.917	3.59	21.92	1.44
3.933	1.56	9.933	4.31	15.933	3.59	21.93	1.44
3.950	1.56	9.950	4.31	15.950	3.59	21.95	1.44
3.967	1.56	9.967	4.31	15.967	3.59	21.97	1.44
3.983	1.56	9.983	4.31	15.983	3.59	21.98	1.44
4.000	1.56	10.000	4.31	16.000	3.59	22.00	1.44
4.017	1.91	10.017	5.50	16.017	2.16	22.02	1.44
4.033	1.91	10.033	5.50	16.033	2.15	22.03	1.44
4.050	1.91	10.050	5.50	16.050	2.15	22.05	1.44
4.067	1.91	10.067	5.50	16.067	2.15	22.07	1.44
4.083	1.91	10.083	5.50	16.083	2.15	22.08	1.44
4.100	1.91	10.100	5.50	16.100	2.15	22.10	1.44
4.117	1.91	10.117	5.50	16.117	2.15	22.12	1.44
4.133	1.91	10.133	5.50	16.133	2.15	22.13	1.44
4.150	1.91	10.150	5.50	16.150	2.15	22.15	1.44
4.167	1.91	10.167	5.50	16.167	2.15	22.17	1.44
4.183	1.91	10.183	5.50	16.183	2.15	22.18	1.44
4.200	1.91	10.200	5.50	16.200	2.15	22.20	1.44

4.217	1.91	10.217	5.50	16.217	2.15	22.22	1.44
4.233	1.91	10.233	5.50	16.233	2.15	22.23	1.44
4.250	1.91	10.250	5.50	16.250	2.15	22.25	1.44
4.267	1.91	10.267	5.50	16.267	2.15	22.27	1.44
4.283	1.91	10.283	5.50	16.283	2.15	22.28	1.44
4.300	1.91	10.300	5.50	16.300	2.15	22.30	1.44
4.317	1.91	10.317	5.50	16.317	2.15	22.32	1.44
4.333	1.91	10.333	5.50	16.333	2.15	22.33	1.44
4.350	1.91	10.350	5.50	16.350	2.15	22.35	1.44
4.367	1.91	10.367	5.50	16.367	2.15	22.37	1.44
4.383	1.91	10.383	5.50	16.383	2.15	22.38	1.44
4.400	1.91	10.400	5.50	16.400	2.15	22.40	1.44
4.417	1.91	10.417	5.50	16.417	2.15	22.42	1.44
4.433	1.91	10.433	5.50	16.433	2.15	22.43	1.44
4.450	1.91	10.450	5.50	16.450	2.15	22.45	1.44
4.467	1.91	10.467	5.50	16.467	2.15	22.47	1.44
4.483	1.91	10.483	5.50	16.483	2.15	22.48	1.44
4.500	1.91	10.500	5.51	16.500	2.15	22.50	1.44
4.517	1.91	10.517	7.42	16.517	2.15	22.52	1.44
4.533	1.91	10.533	7.42	16.533	2.15	22.53	1.44
4.550	1.91	10.550	7.42	16.550	2.15	22.55	1.44
4.567	1.91	10.567	7.42	16.567	2.15	22.57	1.44
4.583	1.91	10.583	7.42	16.583	2.15	22.58	1.44
4.600	1.91	10.600	7.42	16.600	2.15	22.60	1.44
4.617	1.91	10.617	7.42	16.617	2.15	22.62	1.44
4.633	1.91	10.633	7.42	16.633	2.15	22.63	1.44
4.650	1.91	10.650	7.42	16.650	2.15	22.65	1.44
4.667	1.91	10.667	7.42	16.667	2.15	22.67	1.44
4.683	1.91	10.683	7.42	16.683	2.15	22.68	1.44
4.700	1.91	10.700	7.42	16.700	2.15	22.70	1.44
4.717	1.91	10.717	7.42	16.717	2.15	22.72	1.44
4.733	1.91	10.733	7.42	16.733	2.15	22.73	1.44
4.750	1.91	10.750	7.42	16.750	2.15	22.75	1.44
4.767	1.91	10.767	7.42	16.767	2.15	22.77	1.44
4.783	1.91	10.783	7.42	16.783	2.15	22.78	1.44
4.800	1.91	10.800	7.42	16.800	2.15	22.80	1.44
4.817	1.91	10.817	7.42	16.817	2.15	22.82	1.44
4.833	1.91	10.833	7.42	16.833	2.15	22.83	1.44
4.850	1.91	10.850	7.42	16.850	2.15	22.85	1.44
4.867	1.91	10.867	7.42	16.867	2.15	22.87	1.44
4.883	1.91	10.883	7.42	16.883	2.15	22.88	1.44
4.900	1.91	10.900	7.42	16.900	2.15	22.90	1.44
4.917	1.91	10.917	7.42	16.917	2.15	22.92	1.44
4.933	1.91	10.933	7.42	16.933	2.15	22.93	1.44
4.950	1.91	10.950	7.42	16.950	2.15	22.95	1.44
4.967	1.91	10.967	7.42	16.967	2.15	22.97	1.44
4.983	1.91	10.983	7.42	16.983	2.15	22.98	1.44
5.000	1.91	11.000	7.42	17.000	2.15	23.00	1.44
5.017	1.91	11.017	11.49	17.017	2.15	23.02	1.44
5.033	1.91	11.033	11.49	17.033	2.15	23.03	1.44
5.050	1.91	11.050	11.49	17.050	2.15	23.05	1.44
5.067	1.91	11.067	11.49	17.067	2.15	23.07	1.44
5.083	1.91	11.083	11.49	17.083	2.15	23.08	1.44
5.100	1.91	11.100	11.49	17.100	2.15	23.10	1.44
5.117	1.91	11.117	11.49	17.117	2.15	23.12	1.44
5.133	1.91	11.133	11.49	17.133	2.15	23.13	1.44
5.150	1.91	11.150	11.49	17.150	2.15	23.15	1.44
5.167	1.91	11.167	11.49	17.167	2.15	23.17	1.44
5.183	1.91	11.183	11.49	17.183	2.15	23.18	1.44
5.200	1.91	11.200	11.49	17.200	2.15	23.20	1.44
5.217	1.91	11.217	11.49	17.217	2.15	23.22	1.44
5.233	1.91	11.233	11.49	17.233	2.15	23.23	1.44
5.250	1.91	11.250	11.49	17.250	2.15	23.25	1.44
5.267	1.91	11.267	11.49	17.267	2.15	23.27	1.44
5.283	1.91	11.283	11.49	17.283	2.15	23.28	1.44
5.300	1.91	11.300	11.49	17.300	2.15	23.30	1.44
5.317	1.91	11.317	11.49	17.317	2.15	23.32	1.44
5.333	1.91	11.333	11.49	17.333	2.15	23.33	1.44
5.350	1.91	11.350	11.49	17.350	2.15	23.35	1.44
5.367	1.91	11.367	11.49	17.367	2.15	23.37	1.44
5.383	1.91	11.383	11.49	17.383	2.15	23.38	1.44
5.400	1.91	11.400	11.49	17.400	2.15	23.40	1.44
5.417	1.91	11.417	11.49	17.417	2.15	23.42	1.44
5.433	1.91	11.433	11.49	17.433	2.15	23.43	1.44
5.450	1.91	11.450	11.49	17.450	2.15	23.45	1.44
5.467	1.91	11.467	11.49	17.467	2.15	23.47	1.44
5.483	1.91	11.483	11.49	17.483	2.15	23.48	1.44
5.500	1.91	11.500	11.49	17.500	2.15	23.50	1.44
5.517	1.91	11.517	35.41	17.517	2.15	23.52	1.44
5.533	1.91	11.533	35.42	17.533	2.15	23.53	1.44
5.550	1.91	11.550	35.42	17.550	2.15	23.55	1.44
5.567	1.91	11.567	35.42	17.567	2.15	23.57	1.44
5.583	1.91	11.583	35.42	17.583	2.15	23.58	1.44
5.600	1.91	11.600	35.42	17.600	2.15	23.60	1.44

5.617	1.91	11.617	35.42	17.617	2.15	23.62	1.44
5.633	1.91	11.633	35.42	17.633	2.15	23.63	1.44
5.650	1.91	11.650	35.42	17.650	2.15	23.65	1.44
5.667	1.91	11.667	35.42	17.667	2.15	23.67	1.44
5.683	1.91	11.683	35.42	17.683	2.15	23.68	1.44
5.700	1.91	11.700	35.42	17.700	2.15	23.70	1.44
5.717	1.91	11.717	35.42	17.717	2.15	23.72	1.44
5.733	1.91	11.733	35.42	17.733	2.15	23.73	1.44
5.750	1.91	11.750	35.42	17.750	2.15	23.75	1.44
5.767	1.91	11.767	146.40	17.767	2.15	23.77	1.44
5.783	1.91	11.783	146.45	17.783	2.15	23.78	1.44
5.800	1.91	11.800	146.45	17.800	2.15	23.80	1.44
5.817	1.91	11.817	146.45	17.817	2.15	23.82	1.44
5.833	1.91	11.833	146.45	17.833	2.15	23.83	1.44
5.850	1.91	11.850	146.45	17.850	2.15	23.85	1.44
5.867	1.91	11.867	146.45	17.867	2.15	23.87	1.44
5.883	1.91	11.883	146.45	17.883	2.15	23.88	1.44
5.900	1.91	11.900	146.45	17.900	2.15	23.90	1.44
5.917	1.91	11.917	146.45	17.917	2.15	23.92	1.44
5.933	1.91	11.933	146.45	17.933	2.15	23.93	1.44
5.950	1.91	11.950	146.45	17.950	2.15	23.95	1.44
5.967	1.91	11.967	146.45	17.967	2.15	23.97	1.44
5.983	1.91	11.983	146.45	17.983	2.15	23.98	1.44
6.000	1.91	12.000	146.45	18.000	2.15	24.00	1.44

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 1.203 (i)
TIME TO PEAK (hrs)= 12.300
RUNOFF VOLUME (mm)= 39.514
TOTAL RAINFALL (mm)= 119.651
RUNOFF COEFFICIENT = 0.330

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)					
1 + 2 = 3					
		AREA	QPEAK	TPEAK	R.V.
		(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0004):		33.05	1.482	12.60	31.83
+ ID2= 2 (0007):		15.86	1.203	12.30	39.51
=====					
ID = 3 (0006):		48.92	2.548	12.43	43.53

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:5.1 4 hr Chicago 25mm **

CALIB					
NASHYD (0004)					
ID= 1 DT= 1.0 min					
		Area (ha)=	33.05	Curve Number (CN)=	58.0
		Ia (mm)=	10.00	# of Linear Res.(N)=	3.00
		U.H. Tp(hrs)=	0.64		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	2.07	1.017	5.70	2.017	5.19	3.02	2.80
0.033	2.07	1.033	5.70	2.033	5.19	3.03	2.80
0.050	2.07	1.050	5.70	2.050	5.19	3.05	2.80
0.067	2.07	1.067	5.70	2.067	5.19	3.07	2.80
0.083	2.07	1.083	5.70	2.083	5.19	3.08	2.80
0.100	2.07	1.100	5.70	2.100	5.19	3.10	2.80
0.117	2.07	1.117	5.70	2.117	5.19	3.12	2.80
0.133	2.07	1.133	5.70	2.133	5.19	3.13	2.80
0.150	2.07	1.150	5.70	2.150	5.19	3.15	2.80
0.167	2.07	1.167	5.70	2.167	5.19	3.17	2.80
0.183	2.27	1.183	10.78	2.183	4.47	3.18	2.62
0.200	2.27	1.200	10.78	2.200	4.47	3.20	2.62
0.217	2.27	1.217	10.78	2.217	4.47	3.22	2.62
0.233	2.27	1.233	10.78	2.233	4.47	3.23	2.62
0.250	2.27	1.250	10.78	2.250	4.47	3.25	2.62
0.267	2.27	1.267	10.78	2.267	4.47	3.27	2.62
0.283	2.27	1.283	10.78	2.283	4.47	3.28	2.62
0.300	2.27	1.300	10.78	2.300	4.47	3.30	2.62
0.317	2.27	1.317	10.78	2.317	4.47	3.32	2.62
0.333	2.27	1.333	10.78	2.333	4.47	3.33	2.62
0.350	2.52	1.350	50.21	2.350	3.95	3.35	2.48

0.367	2.52	1.367	50.21	2.367	3.95	3.37	2.48
0.383	2.52	1.383	50.21	2.383	3.95	3.38	2.48
0.400	2.52	1.400	50.21	2.400	3.95	3.40	2.48
0.417	2.52	1.417	50.21	2.417	3.95	3.42	2.48
0.433	2.52	1.433	50.21	2.433	3.95	3.43	2.48
0.450	2.52	1.450	50.21	2.450	3.95	3.45	2.48
0.467	2.52	1.467	50.21	2.467	3.95	3.47	2.48
0.483	2.52	1.483	50.21	2.483	3.95	3.48	2.48
0.500	2.52	1.500	50.21	2.500	3.95	3.50	2.48
0.517	2.88	1.517	13.37	2.517	3.56	3.52	2.35
0.533	2.88	1.533	13.37	2.533	3.56	3.53	2.35
0.550	2.88	1.550	13.37	2.550	3.56	3.55	2.35
0.567	2.88	1.567	13.37	2.567	3.56	3.57	2.35
0.583	2.88	1.583	13.37	2.583	3.56	3.58	2.35
0.600	2.88	1.600	13.37	2.600	3.56	3.60	2.35
0.617	2.88	1.617	13.37	2.617	3.56	3.62	2.35
0.633	2.88	1.633	13.37	2.633	3.56	3.63	2.35
0.650	2.88	1.650	13.37	2.650	3.56	3.65	2.35
0.667	2.88	1.667	13.37	2.667	3.56	3.67	2.35
0.683	3.38	1.683	8.29	2.683	3.25	3.68	2.23
0.700	3.38	1.700	8.29	2.700	3.25	3.70	2.23
0.717	3.38	1.717	8.29	2.717	3.25	3.72	2.23
0.733	3.38	1.733	8.29	2.733	3.25	3.73	2.23
0.750	3.38	1.750	8.29	2.750	3.25	3.75	2.23
0.767	3.38	1.767	8.29	2.767	3.25	3.77	2.23
0.783	3.38	1.783	8.29	2.783	3.25	3.78	2.23
0.800	3.38	1.800	8.29	2.800	3.25	3.80	2.23
0.817	3.38	1.817	8.29	2.817	3.25	3.82	2.23
0.833	3.38	1.833	8.29	2.833	3.25	3.83	2.23
0.850	4.18	1.850	6.30	2.850	3.01	3.85	2.14
0.867	4.18	1.867	6.30	2.867	3.01	3.87	2.14
0.883	4.18	1.883	6.30	2.883	3.01	3.88	2.14
0.900	4.18	1.900	6.30	2.900	3.01	3.90	2.14
0.917	4.18	1.917	6.30	2.917	3.01	3.92	2.14
0.933	4.18	1.933	6.30	2.933	3.01	3.93	2.14
0.950	4.18	1.950	6.30	2.950	3.01	3.95	2.14
0.967	4.18	1.967	6.30	2.967	3.01	3.97	2.14
0.983	4.18	1.983	6.30	2.983	3.01	3.98	2.14
1.000	4.18	2.000	6.30	3.000	3.01	4.00	2.14

Unit Hyd Qpeak (cms)= 1.973

PEAK FLOW (cms)= 0.039 (i)
TIME TO PEAK (hrs)= 2.917
RUNOFF VOLUME (mm)= 1.131
TOTAL RAINFALL (mm)= 24.997
RUNOFF COEFFICIENT = 0.045

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0007)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	2.07	1.017	5.70	2.017	5.19	3.02	2.80
0.033	2.07	1.033	5.70	2.033	5.19	3.03	2.80
0.050	2.07	1.050	5.70	2.050	5.19	3.05	2.80
0.067	2.07	1.067	5.70	2.067	5.19	3.07	2.80
0.083	2.07	1.083	5.70	2.083	5.19	3.08	2.80
0.100	2.07	1.100	5.70	2.100	5.19	3.10	2.80
0.117	2.07	1.117	5.70	2.117	5.19	3.12	2.80
0.133	2.07	1.133	5.70	2.133	5.19	3.13	2.80
0.150	2.07	1.150	5.70	2.150	5.19	3.15	2.80
0.167	2.07	1.167	5.70	2.167	5.19	3.17	2.80
0.183	2.27	1.183	10.78	2.183	4.47	3.18	2.62
0.200	2.27	1.200	10.78	2.200	4.47	3.20	2.62
0.217	2.27	1.217	10.78	2.217	4.47	3.22	2.62
0.233	2.27	1.233	10.78	2.233	4.47	3.23	2.62
0.250	2.27	1.250	10.78	2.250	4.47	3.25	2.62
0.267	2.27	1.267	10.78	2.267	4.47	3.27	2.62
0.283	2.27	1.283	10.78	2.283	4.47	3.28	2.62
0.300	2.27	1.300	10.78	2.300	4.47	3.30	2.62
0.317	2.27	1.317	10.78	2.317	4.47	3.32	2.62
0.333	2.27	1.333	10.78	2.333	4.47	3.33	2.62
0.350	2.52	1.350	50.21	2.350	3.95	3.35	2.48

0.367	2.52	1.367	50.21	2.367	3.95	3.37	2.48
0.383	2.52	1.383	50.21	2.383	3.95	3.38	2.48
0.400	2.52	1.400	50.21	2.400	3.95	3.40	2.48
0.417	2.52	1.417	50.21	2.417	3.95	3.42	2.48
0.433	2.52	1.433	50.21	2.433	3.95	3.43	2.48
0.450	2.52	1.450	50.21	2.450	3.95	3.45	2.48
0.467	2.52	1.467	50.21	2.467	3.95	3.47	2.48
0.483	2.52	1.483	50.21	2.483	3.95	3.48	2.48
0.500	2.52	1.500	50.21	2.500	3.95	3.50	2.48
0.517	2.88	1.517	13.37	2.517	3.56	3.52	2.35
0.533	2.88	1.533	13.37	2.533	3.56	3.53	2.35
0.550	2.88	1.550	13.37	2.550	3.56	3.55	2.35
0.567	2.88	1.567	13.37	2.567	3.56	3.57	2.35
0.583	2.88	1.583	13.37	2.583	3.56	3.58	2.35
0.600	2.88	1.600	13.37	2.600	3.56	3.60	2.35
0.617	2.88	1.617	13.37	2.617	3.56	3.62	2.35
0.633	2.88	1.633	13.37	2.633	3.56	3.63	2.35
0.650	2.88	1.650	13.37	2.650	3.56	3.65	2.35
0.667	2.88	1.667	13.37	2.667	3.56	3.67	2.35
0.683	3.38	1.683	8.29	2.683	3.25	3.68	2.23
0.700	3.38	1.700	8.29	2.700	3.25	3.70	2.23
0.717	3.38	1.717	8.29	2.717	3.25	3.72	2.23
0.733	3.38	1.733	8.29	2.733	3.25	3.73	2.23
0.750	3.38	1.750	8.29	2.750	3.25	3.75	2.23
0.767	3.38	1.767	8.29	2.767	3.25	3.77	2.23
0.783	3.38	1.783	8.29	2.783	3.25	3.78	2.23
0.800	3.38	1.800	8.29	2.800	3.25	3.80	2.23
0.817	3.38	1.817	8.29	2.817	3.25	3.82	2.23
0.833	3.38	1.833	8.29	2.833	3.25	3.83	2.23
0.850	4.18	1.850	6.30	2.850	3.01	3.85	2.14
0.867	4.18	1.867	6.30	2.867	3.01	3.87	2.14
0.883	4.18	1.883	6.30	2.883	3.01	3.88	2.14
0.900	4.18	1.900	6.30	2.900	3.01	3.90	2.14
0.917	4.18	1.917	6.30	2.917	3.01	3.92	2.14
0.933	4.18	1.933	6.30	2.933	3.01	3.93	2.14
0.950	4.18	1.950	6.30	2.950	3.01	3.95	2.14
0.967	4.18	1.967	6.30	2.967	3.01	3.97	2.14
0.983	4.18	1.983	6.30	2.983	3.01	3.98	2.14
1.000	4.18	2.000	6.30	3.000	3.01	4.00	2.14

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.056 (i)
TIME TO PEAK (hrs)= 2.067
RUNOFF VOLUME (mm)= 2.363
TOTAL RAINFALL (mm)= 24.997
RUNOFF COEFFICIENT = 0.095

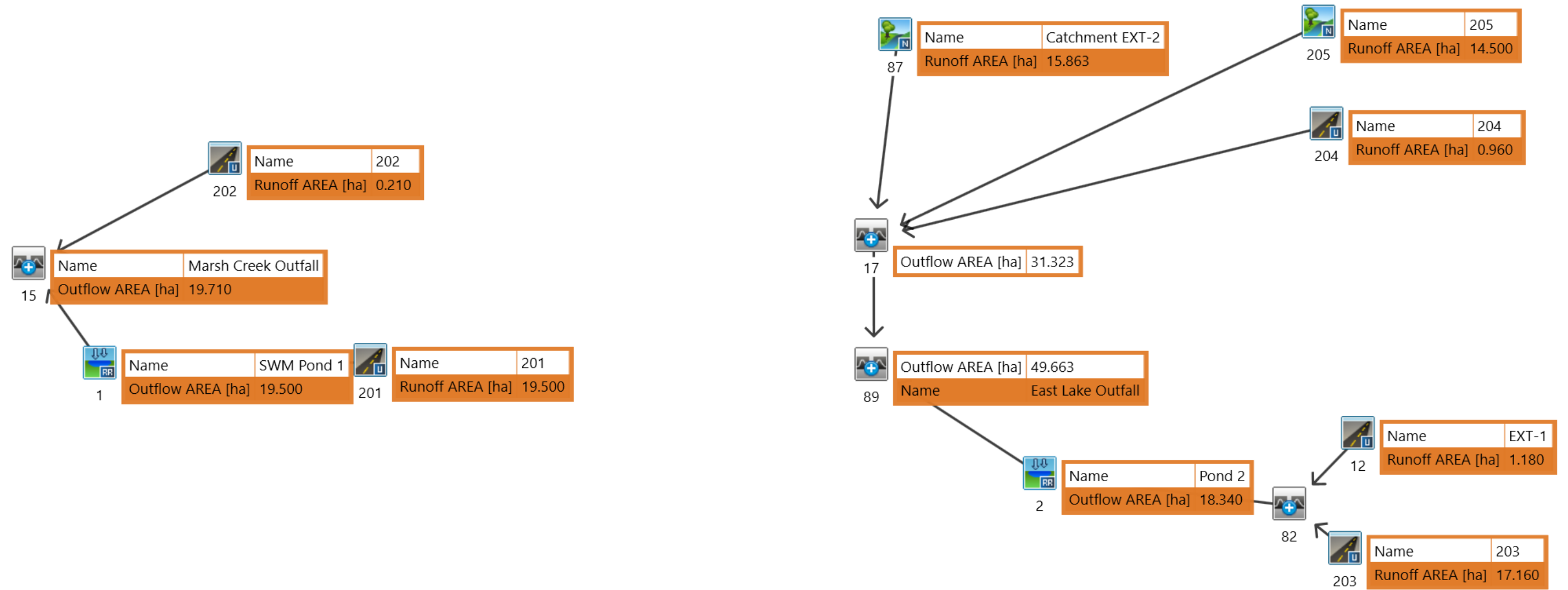
(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0006)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0004):	33.05	0.039	2.92	1.13
+ ID2= 2 (0007):	15.86	0.056	2.07	2.36
=====				
ID = 3 (0006):	48.92	0.083	2.32	1.53

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

Proposed Conditions - SWM

Visual OTTHYMO Model Schematic



Proposed Conditions VO Parameter Summary

Picton Airport - Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.B.

NASHYD

Number	205	EXT-2					
Description							
DT(min)	0	0					
Area (ha)	14.5	15.86					
CN*	58.0	62.0					
IA(mm)	10.0	4.6					
TP Method	Uplands	Uplands					
TP (hr)	0.44	0.40					

STANDHYD

Number	201	202	203	204	EXT-1			
Description								
DT(min)	1	1	1	1	1			
Area (ha)	19.50	0.21	17.16	0.96	1.18			
TIMP ²	0.62	0.65	0.42	0.68	0.22			
XIMP ^{1,2}	0.48	0.65	0.30	0.47	0.22			
CN*	54.0	54.0	54.0	54.0	54.0			
IA(mm)	5.0	5.0	5.0	5.0	4.6			
SLPP(%)	2	2	2	2	2			
LGP(m)	40	40	40	40	40			
MNP	0.25	0.25	0.25	0.25	0.25			
DPSI (mm)	2.0	2.0	2.0	2.0	2.0			
SLPI(%)	1	1	1	1	1			
LGI(m)	360.56	37.42	338.23	80.00	88.84			
MNI	0.013	0.013	0.013	0.013	0.013			

¹Note that where there is NO directly connected area (ie: roof runoff to grassed areas), the hydrology program does not accept XIMP=0%, therefore, XIMP = 1% has been used

²Note that where there is NO pervious area, the hydrology program does not accept TIMP and XIMP=100%, therefore, TIMP and XIMP = 99% has been used

Proposed Conditions CN Calculations

Picton Airport - Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.B.

Site Soils: (per Prince Edward County Soils Mapping)

Soil Type

Rockland
Farmington Loam

Hydrologic Soil Group

B
B

TABLE OF CURVE NUMBERS (CN's)**										Source
Land Use	Hydrologic Soil Type							Manning's 'n'		
	A	AB	B	BC	C	CD	D			
Meadow "Good"	30	44	58	64.5	71	74.5	78	0.40	MTO	
Woodlot "Fair"	36	48	60	66.5	73	76	79	0.40	MTO	
Gravel	76	80.5	85	87	89	90	91	0.30	USDA	
Lawns "Good"	39	50	61	67.5	74	77	80	0.25	USDA	
Pasture/Range	58	61.5	65	70.5	76	78.5	81	0.17	MTO	
Crop	66	70	74	64	54	70	86	0.13	MTO	
Fallow (Bare)	77	82	86	89	4.6408318	93	94	0.05	MTO	
Low Density Residences	57	64.5	72	76.5	81	83.5	86	0.25	USDA	
Streets, paved	98	98	98	98	98	98	98	0.01	USDA	

1. MTO Drainage Manual (1997), Design Chart 1.09-Soil/Land Use Curve Numbers

2. USDA (1986), Urban Hydrology for Small Watersheds, Table 2.2-Runoff Curve Numbers for Urban Areas

HYDROLOGIC SOIL TYPE (%) - Proposed Conditions								
Catchment	Hydrologic Soil Type							TOTAL
	A	AB	B	BC	C	CD	D	
201	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100
202	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100
203	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100
204	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100
204	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100
205	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100
EXT-1	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100
EXT-2	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

HYDROLOGIC SOIL TYPE (%) - Proposed Conditions								
Catchment	Hydrologic Soil Type							TOTAL
	A	AB	B	BC	C	CD	D	
201			100					100
202			100					100
203			100					100
204			100					100
204			100					100
205			100					100
EXT-1			100					100
EXT-2			100					100
								0
								0
								0
								0

Proposed Conditions CN Calculations

Picton Airport - Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.B.

LAND USE (%) - Proposed Conditions										
Catchment	Meadow	Woodlot	Gravel	Lawns	Pasture Range	Crop	Fallow (Bare)	Low Density Residences	Impervious	Total
201	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0
202	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0
203	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0
204	0.0	0.0	0.0	100.0	100.0	0.0	0.0	0.0	0.0	200.0
204	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0
205	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0
EXT-1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
EXT-2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Note: Where STANDHYD command used (shaded), impervious fraction is not considered in CN determination, since %Imp directly input in STANDHYD command

LAND USE (%) - Proposed Conditions										
Catchment	Meadow	Woodlot	Gravel	Lawns	Pasture Range	Crop	Fallow (Bare)	Low Density Residences	Impervious	Total
201				100.0						100.0
202				100.0						100.0
203				100.0						100.0
204				0.0	100.0					100.0
204				100.0						100.0
205				100.0						100.0
EXT-1										0.0
EXT-2										0.0
0										0.0
0										0.0
0										0.0
0										0.0

Note: Where STANDHYD command used (shaded), impervious fraction is not considered in CN determination, since %Imp directly input in STANDHYD command

CURVE NUMBER (CN) - Proposed Conditions										
Catchment	Meadow	Woodlot	Gravel	Lawns	Pasture Range	Crop	Fallow (Bare)	Low Density Residences	Impervious	Weighted CN
201	0.0	0.0	0.0	61.0	0.0	0.0	0.0	0.0	0.0	61
202	0.0	0.0	0.0	61.0	0.0	0.0	0.0	0.0	0.0	61
203	0.0	0.0	0.0	61.0	0.0	0.0	0.0	0.0	0.0	61
204	0.0	0.0	0.0	61.0	65.0	0.0	0.0	0.0	0.0	126
204	0.0	0.0	0.0	61.0	0.0	0.0	0.0	0.0	0.0	61
205	0.0	0.0	0.0	61.0	0.0	0.0	0.0	0.0	0.0	61
EXT-1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
EXT-2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

** AMC II assumed

Proposed Conditions CN Calculations

Picton Airport - Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.B.

Input Values															
Step	1	Subcatchment: CN (AMC II):	201 61		202 61	203 61	204 126	204 61	EXT-1 61	0 #DIV/0!	0 #DIV/0!	0 #DIV/0!	210 #DIV/0!	0 #DIV/0!	EXT-2 #DIV/0!
	2	CN (AMC III) =	78		78	78	100	78	78	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	3	100 Year Precipitation, P =	119.65	mm	119.65	119.65	119.65	119.65	119.65	119.65	119.65	119.65	119.65	119.65	119.65

$$Q = \frac{(P - I_a)^2}{(P - I_a) + S}$$

Q = rainfall excess or runoff, mm

S = potential maximum retention or available storage, mm

$$CN = \frac{25400}{S + 254}$$

CN* = modified SCS curve # that better reflects Ia conditions in Ontario

Output Values																	
4	Subcatchment:	201		202	203	204	204	EXT-1	0	0	0	210	0	EXT-2			
	S _{III} =	71.64	mm	71.64	71.64	0.00	71.64	71.64	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
	SCS Assumption of 0.2 S = Ia =	14.33	mm	14.33	14.33	0.00	14.33	14.33	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
	Q _{III} =	62.68	mm	62.68	62.68	119.65	62.68	62.68	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
5	Preferred Initial Abstraction, Ia =	5.0	mm	5.0	5.0	8.0	5.0	#REF!	0.0	0.0	0.0	0.0	4.6	0.0			
	S* _{III} =	95.05	mm	95.05	95.05	-7.47	95.05	#REF!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
6	CN* _{III} =	72.77	mm	72.77	72.77	103.03	72.77	#REF!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
7	CN* _{III} =	73	Rounded	73	73	103	73	#REF!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
	CN*I=	54	convert	54	54	100	54	#REF!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			

Explanation of Procedure

- Determine CN based on typical AMC II conditions (attached)
- Convert CN from AMC II to AMC III conditions (standard SCS tables)
- Get precipitation depth P for 100 year storm
- Using CN_{III} with Ia = 0.2S, compute Q_{III} for 100 year precipitation
- For the same Q_{III}, compute S*_{III} using Ia=1.5mm (or otherwise determined)
- Compute CN*_{III} using S*_{III}
- Calculate CN*_I using SCS conversion table

Proposed Conditions CN Calculations

Picton Airport - Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.B.

HYDROLOGIC SOIL TYPE (ha) - Proposed Conditions								
Catchment	Hydrologic Soil Type							TOTAL
	A	AB	B	BC	C	CD	D	
201			19.50					19.50
202			0.21					0.21
203			17.16					17.16
204			4.85					4.85
204			0.96					0.96
205			14.50					14.50
EXT-1			1.18					1.18
EXT-2			15.86					15.86
								0.00
								0.00
								0.00
								0.00

HYDROLOGIC SOIL TYPE (%) - Proposed Conditions								
Catchment	Hydrologic Soil Type							TOTAL
	A	AB	B	BC	C	CD	D	
201	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100.0
202	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100.0
203	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100.0
204	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100.0
204	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100.0
205	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100.0
EXT-1	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100.0
EXT-2	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100.0
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

HYDROLOGIC SOIL TYPE (%) - Proposed Conditions								
Catchment	Hydrologic Soil Type							TOTAL
	A	AB	B	BC	C	CD	D	
201			100.0					100.0
202			100.0					100.0
203			100.0					100.0
204			100.0					100.0
204			100.0					100.0
205			100.0					100.0
EXT-1			100.0					100.0
EXT-2			100.0					100.0
0								0.0
0								0.0
0								0.0
0								0.0

Proposed Conditions CN Calculations

Picton Airport - Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.B.

LAND USE (ha) - Proposed Conditions										
Catchment	Meadow	Woodlot	Gravel	Lawns	Pasture Range	Crop	Fallow (Bare)	Low Density Residences	Impervious	Total
201				19.50						19.50
202				0.21						0.21
203				17.16						17.16
204					4.85					4.85
204				0.96						0.96
205				14.50						14.50
EXT-1										0.00
EXT-2										0.00
0										0.00
0										0.00
0										0.00
0										0.00

LAND USE (%) - Proposed Conditions										
Catchment	Meadow	Woodlot	Gravel	Lawns	Pasture Range	Crop	Fallow (Bare)	Low Density Residences	Impervious	Total
201	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0
202	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0
203	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0
204	0.0	0.0	0.0	100.0	100.0	0.0	0.0	0.0	0.0	200.0
204	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0
205	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0
EXT-1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
EXT-2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

LAND USE (%) - Proposed Conditions										
Catchment	Meadow	Woodlot	Gravel	Lawns	Pasture Range	Crop	Fallow (Bare)	Low Density Residences	Impervious	Total
201				100.0						100.0
202				100.0						100.0
203				100.0						100.0
204					100.0					100.0
204				100.0						100.0
205				100.0						100.0
EXT-1										0.0
EXT-2										0.0
0										0.0
0										0.0
0										0.0
0										0.0

Proposed Conditions IA Calculations

Picton Airport - Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.B.

LAND USE (%) - Proposed Conditions										
Catchment	Meadow	Woodlot	Gravel	Lawns	Pasture Range	Crop	Fallow (Bare)	Low Density Residences	Impervious	Total
201				100.0						100.0
202				100.0						100.0
203				100.0						100.0
204				0.0	100.0					100.0
204				100.0						100.0
205				100.0						100.0
EXT-1										0.0
EXT-2										0.0
0										0.0
0										0.0
0										0.0
0										0.0

IA VALUES (mm) - Proposed Conditions										
Catchment	Meadow	Woodlot	Gravel	Lawns	Pasture Range	Crop	Fallow (Bare)	Low Density Residences	Impervious	Total
IA (mm)	8	10	2	5	8	8	3	2	2	
201				5.0						5.0
202				5.0						5.0
203				5.0						5.0
204				0.0	8.0					8.0
204				5.0						5.0
205				5.0						5.0
EXT-1										0.0
EXT-2										0.0
0										0.0
0										0.0
0										0.0
0										0.0

* IA values based on LSRCA guidelines

Proposed Conditions Time to Peak Calculations

Picton Airport - Village A
Project Number: 2365
Date: August 2025
Designer Initials: R.B.

Uplands Method:

Catchment ID	High Elevation	Low Elevation	Length (m)	Slope (%)	Land Cover Type	Velocity (m/s)	Time of Concentration (s)	Time of Concentration (hr)	Time to Peak (hr)
205	146.75	142.70	375	1.08	Woodland	0.16	2386.8	0.66	0.44

Proposed Conditions
Percent Impervious Calculations

			201	202	203	204	205
Catchment Area (ha)			19.50	0.21	17.16	4.85	0.96
Land Use Areas	Timp	Ximp					
Parks	7%	7%	2.08	0.21	0.82		0.74
Road Widening	65%	65%	0.90				
SWM Pond	50%	50%					
High Density Block	99%	99%	8.17		8.50		0.74
18m ROW	67%	67%					
Single Houses	66%	47%					
23.5m ROW	64%	64%	4.40		1.66		0.22
Walkway	50%	50%					
Townhouses	71%	46%					
Laneway	71%	71%	3.95				
Future Phase (Medium Density)	75%	75%					
Asphalt	90%	90%					
Rooftop	90%	90%	19.50	0.21	17.16	58.64	0.96
Open Space	0%	0%					
Total Land Use =							
Timp =			62%	65%	42%	1002%	68%
Ximp =			48%	65%	30%	1002%	47%

Percent Impervious (Timp) Calculations per Figure 5.2

Land Use	Lot Type				
Single Houses	9.20x30m	11.6x30m	13.4x30m	Max. Timp	Max. Ximp
18m ROW	65%	65%	65%	66%	47%
23.5m ROW	66%	66%	66%		
Townhouses	Street	Back to back	Laneway	Max. Timp	Max. Ximp
7.5m ROW	-	-	71%	71%	46%
18m ROW	66%	0%	-		
23.5m ROW	68%	-	-		

*Ximp calculations based on total impervious areas directly connected

 ** SIMULATION:1.1 Chicago 4hr 2yr **

Proposed Conditions VO Outputs - Marsh Creek

CHICAGO STORM
 Ptotal= 31.70 mm

IDF curve parameters: A= 324.567
 B= 0.000
 C= 0.677
 used in: INTENSITY = $A / (t + B)^C$
 Duration of storm = 4.00 hrs
 Storm time step = 15.00 min
 Time to peak ratio = 0.33

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	3.22	1.00	51.89	2.00	4.86	3.00	3.08
0.25	3.96	1.25	11.92	2.25	4.20	3.25	2.84
0.50	5.36	1.50	7.63	2.50	3.72	3.50	2.65
0.75	9.77	1.75	5.87	2.75	3.36	3.75	2.49

CALIB
 STANDHYD (0201)
 ID= 1 DT= 1.0 min

Area (ha)= 19.50
 Total Imp(%)= 62.00 Dir. Conn.(%)= 48.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	12.09	7.41
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	298.34	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	3.22	1.017	51.89	2.017	4.86	3.02	3.08
0.033	3.22	1.033	51.89	2.033	4.86	3.03	3.08
0.050	3.22	1.050	51.89	2.050	4.86	3.05	3.08
0.067	3.22	1.067	51.89	2.067	4.86	3.07	3.08
0.083	3.22	1.083	51.89	2.083	4.86	3.08	3.08
0.100	3.22	1.100	51.89	2.100	4.86	3.10	3.08
0.117	3.22	1.117	51.89	2.117	4.86	3.12	3.08
0.133	3.22	1.133	51.89	2.133	4.86	3.13	3.08
0.150	3.22	1.150	51.89	2.150	4.86	3.15	3.08
0.167	3.22	1.167	51.89	2.167	4.86	3.17	3.08
0.183	3.22	1.183	51.89	2.183	4.86	3.18	3.08
0.200	3.22	1.200	51.89	2.200	4.86	3.20	3.08
0.217	3.22	1.217	51.89	2.217	4.86	3.22	3.08
0.233	3.22	1.233	51.89	2.233	4.86	3.23	3.08
0.250	3.22	1.250	51.89	2.250	4.86	3.25	3.08
0.267	3.96	1.267	11.92	2.267	4.20	3.27	2.84
0.283	3.96	1.283	11.92	2.283	4.20	3.28	2.84
0.300	3.96	1.300	11.92	2.300	4.20	3.30	2.84
0.317	3.96	1.317	11.92	2.317	4.20	3.32	2.84
0.333	3.96	1.333	11.92	2.333	4.20	3.33	2.84
0.350	3.96	1.350	11.92	2.350	4.20	3.35	2.84
0.367	3.96	1.367	11.92	2.367	4.20	3.37	2.84
0.383	3.96	1.383	11.92	2.383	4.20	3.38	2.84
0.400	3.96	1.400	11.92	2.400	4.20	3.40	2.84
0.417	3.96	1.417	11.92	2.417	4.20	3.42	2.84
0.433	3.96	1.433	11.92	2.433	4.20	3.43	2.84
0.450	3.96	1.450	11.92	2.450	4.20	3.45	2.84
0.467	3.96	1.467	11.92	2.467	4.20	3.47	2.84
0.483	3.96	1.483	11.92	2.483	4.20	3.48	2.84
0.500	3.96	1.500	11.92	2.500	4.20	3.50	2.84
0.517	5.36	1.517	7.63	2.517	3.72	3.52	2.65
0.533	5.36	1.533	7.63	2.533	3.72	3.53	2.65
0.550	5.36	1.550	7.63	2.550	3.72	3.55	2.65
0.567	5.36	1.567	7.63	2.567	3.72	3.57	2.65
0.583	5.36	1.583	7.63	2.583	3.72	3.58	2.65
0.600	5.36	1.600	7.63	2.600	3.72	3.60	2.65
0.617	5.36	1.617	7.63	2.617	3.72	3.62	2.65
0.633	5.36	1.633	7.63	2.633	3.72	3.63	2.65
0.650	5.36	1.650	7.63	2.650	3.72	3.65	2.65
0.667	5.36	1.667	7.63	2.667	3.72	3.67	2.65
0.683	5.36	1.683	7.63	2.683	3.72	3.68	2.65
0.700	5.36	1.700	7.63	2.700	3.72	3.70	2.65
0.717	5.36	1.717	7.63	2.717	3.72	3.72	2.65
0.733	5.36	1.733	7.63	2.733	3.72	3.73	2.65

0.750	5.36	1.750	7.63	2.750	3.72	3.75	2.65
0.767	9.77	1.767	5.87	2.767	3.36	3.77	2.49
0.783	9.77	1.783	5.87	2.783	3.36	3.78	2.49
0.800	9.77	1.800	5.87	2.800	3.36	3.80	2.49
0.817	9.77	1.817	5.87	2.817	3.36	3.82	2.49
0.833	9.77	1.833	5.87	2.833	3.36	3.83	2.49
0.850	9.77	1.850	5.87	2.850	3.36	3.85	2.49
0.867	9.77	1.867	5.87	2.867	3.36	3.87	2.49
0.883	9.77	1.883	5.87	2.883	3.36	3.88	2.49
0.900	9.77	1.900	5.87	2.900	3.36	3.90	2.49
0.917	9.77	1.917	5.87	2.917	3.36	3.92	2.49
0.933	9.77	1.933	5.87	2.933	3.36	3.93	2.49
0.950	9.77	1.950	5.87	2.950	3.36	3.95	2.49
0.967	9.77	1.967	5.87	2.967	3.36	3.97	2.49
0.983	9.77	1.983	5.87	2.983	3.36	3.98	2.49
1.000	9.77	2.000	5.87	3.000	3.36	4.00	2.49

Max.Eff.Inten.(mm/hr)= 51.89 8.58
over (min) 6.00 15.00
Storage Coeff. (min)= 6.40 (ii) 14.76 (ii)
Unit Hyd. Tpeak (min)= 6.00 15.00
Unit Hyd. peak (cms)= 0.18 0.08

TOTALS
1.232 (iii)

PEAK FLOW (cms)= 1.18 0.09
TIME TO PEAK (hrs)= 1.27 1.45
RUNOFF VOLUME (mm)= 29.70 4.23 16.45
TOTAL RAINFALL (mm)= 31.70 31.70 31.70
RUNOFF COEFFICIENT = 0.94 0.13 0.52

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)		OVERFLOW IS OFF			
IN= 2---> OUT= 1					
DT= 5.0 min					
		OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
		0.0000	0.0000	0.1330	0.5200
		0.0380	0.2900	0.1650	0.5800
		0.0680	0.3850	0.2000	0.6300
		0.0940	0.4500	0.4800	1.1000

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)	19.500	1.232	1.27	16.45
OUTFLOW: ID= 1 (0001)	19.500	0.037	4.17	12.73

PEAK FLOW REDUCTION [Qout/Qin](%)= 3.03
TIME SHIFT OF PEAK FLOW (min)=174.00
MAXIMUM STORAGE USED (ha.m.)= 0.2850

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB					
STANDHYD (0202)					
ID= 1 DT= 1.0 min		Area (ha)= 0.21			
		Total Imp(%)= 65.00	Dir. Conn.(%)= 65.00		

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.14	0.07
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	15.25	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	3.22	1.017	51.89	2.017	4.86	3.02	3.08
0.033	3.22	1.033	51.89	2.033	4.86	3.03	3.08
0.050	3.22	1.050	51.89	2.050	4.86	3.05	3.08
0.067	3.22	1.067	51.89	2.067	4.86	3.07	3.08
0.083	3.22	1.083	51.89	2.083	4.86	3.08	3.08
0.100	3.22	1.100	51.89	2.100	4.86	3.10	3.08
0.117	3.22	1.117	51.89	2.117	4.86	3.12	3.08
0.133	3.22	1.133	51.89	2.133	4.86	3.13	3.08

0.150	3.22	1.150	51.89	2.150	4.86	3.15	3.08
0.167	3.22	1.167	51.89	2.167	4.86	3.17	3.08
0.183	3.22	1.183	51.89	2.183	4.86	3.18	3.08
0.200	3.22	1.200	51.89	2.200	4.86	3.20	3.08
0.217	3.22	1.217	51.89	2.217	4.86	3.22	3.08
0.233	3.22	1.233	51.89	2.233	4.86	3.23	3.08
0.250	3.22	1.250	51.89	2.250	4.86	3.25	3.08
0.267	3.96	1.267	11.92	2.267	4.20	3.27	2.84
0.283	3.96	1.283	11.92	2.283	4.20	3.28	2.84
0.300	3.96	1.300	11.92	2.300	4.20	3.30	2.84
0.317	3.96	1.317	11.92	2.317	4.20	3.32	2.84
0.333	3.96	1.333	11.92	2.333	4.20	3.33	2.84
0.350	3.96	1.350	11.92	2.350	4.20	3.35	2.84
0.367	3.96	1.367	11.92	2.367	4.20	3.37	2.84
0.383	3.96	1.383	11.92	2.383	4.20	3.38	2.84
0.400	3.96	1.400	11.92	2.400	4.20	3.40	2.84
0.417	3.96	1.417	11.92	2.417	4.20	3.42	2.84
0.433	3.96	1.433	11.92	2.433	4.20	3.43	2.84
0.450	3.96	1.450	11.92	2.450	4.20	3.45	2.84
0.467	3.96	1.467	11.92	2.467	4.20	3.47	2.84
0.483	3.96	1.483	11.92	2.483	4.20	3.48	2.84
0.500	3.96	1.500	11.92	2.500	4.20	3.50	2.84
0.517	5.36	1.517	7.63	2.517	3.72	3.52	2.65
0.533	5.36	1.533	7.63	2.533	3.72	3.53	2.65
0.550	5.36	1.550	7.63	2.550	3.72	3.55	2.65
0.567	5.36	1.567	7.63	2.567	3.72	3.57	2.65
0.583	5.36	1.583	7.63	2.583	3.72	3.58	2.65
0.600	5.36	1.600	7.63	2.600	3.72	3.60	2.65
0.617	5.36	1.617	7.63	2.617	3.72	3.62	2.65
0.633	5.36	1.633	7.63	2.633	3.72	3.63	2.65
0.650	5.36	1.650	7.63	2.650	3.72	3.65	2.65
0.667	5.36	1.667	7.63	2.667	3.72	3.67	2.65
0.683	5.36	1.683	7.63	2.683	3.72	3.68	2.65
0.700	5.36	1.700	7.63	2.700	3.72	3.70	2.65
0.717	5.36	1.717	7.63	2.717	3.72	3.72	2.65
0.733	5.36	1.733	7.63	2.733	3.72	3.73	2.65
0.750	5.36	1.750	7.63	2.750	3.72	3.75	2.65
0.767	9.77	1.767	5.87	2.767	3.36	3.77	2.49
0.783	9.77	1.783	5.87	2.783	3.36	3.78	2.49
0.800	9.77	1.800	5.87	2.800	3.36	3.80	2.49
0.817	9.77	1.817	5.87	2.817	3.36	3.82	2.49
0.833	9.77	1.833	5.87	2.833	3.36	3.83	2.49
0.850	9.77	1.850	5.87	2.850	3.36	3.85	2.49
0.867	9.77	1.867	5.87	2.867	3.36	3.87	2.49
0.883	9.77	1.883	5.87	2.883	3.36	3.88	2.49
0.900	9.77	1.900	5.87	2.900	3.36	3.90	2.49
0.917	9.77	1.917	5.87	2.917	3.36	3.92	2.49
0.933	9.77	1.933	5.87	2.933	3.36	3.93	2.49
0.950	9.77	1.950	5.87	2.950	3.36	3.95	2.49
0.967	9.77	1.967	5.87	2.967	3.36	3.97	2.49
0.983	9.77	1.983	5.87	2.983	3.36	3.98	2.49
1.000	9.77	2.000	5.87	3.000	3.36	4.00	2.49

Max.Eff.Inten.(mm/hr)=	51.89	4.14	
over (min)	5.00	9.00	
Storage Coeff. (min)=	1.07 (ii)	8.24 (ii)	
Unit Hyd. Tpeak (min)=	5.00	9.00	
Unit Hyd. peak (cms)=	0.47	0.13	
			TOTALS
PEAK FLOW (cms)=	0.02	0.00	0.020 (iii)
TIME TO PEAK (hrs)=	1.25	1.35	1.25
RUNOFF VOLUME (mm)=	29.70	2.93	20.31
TOTAL RAINFALL (mm)=	31.70	31.70	31.70
RUNOFF COEFFICIENT =	0.94	0.09	0.64

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)				
1 + 2 = 3				
ID1= 1 (0001):	19.50	0.037	4.17	12.73
+ ID2= 2 (0202):	0.21	0.020	1.25	20.31
ID = 3 (0015):	19.71	0.038	4.00	12.81

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:1.2 Chicago 4hr 5yr **

CHICAGO STORM
 Ptotal= 41.23 mm

IDF curve parameters: A= 422.097
 B= 0.000
 C= 0.677
 used in: INTENSITY = $A / (t + B)^C$

Duration of storm = 4.00 hrs
 Storm time step = 15.00 min
 Time to peak ratio = 0.33

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	4.18	1.00	67.48	2.00	6.32	3.00	4.00
0.25	5.15	1.25	15.50	2.25	5.46	3.25	3.70
0.50	6.97	1.50	9.92	2.50	4.84	3.50	3.45
0.75	12.70	1.75	7.63	2.75	4.37	3.75	3.24

CALIB
 STANDHYD (0201)
 ID= 1 DT= 1.0 min

Area (ha)= 19.50
 Total Imp(%)= 62.00 Dir. Conn.(%)= 48.00

	IMPERVIOUS (ha)=	PERVIOUS (i) 7.41
Surface Area	12.09	
Dep. Storage	(mm)= 2.00	5.00
Average Slope	(%)= 1.00	2.00
Length	(m)= 298.34	40.00
Mannings n	= 0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	4.18	1.017	67.48	2.017	6.32	3.02	4.00
0.033	4.18	1.033	67.48	2.033	6.32	3.03	4.00
0.050	4.18	1.050	67.48	2.050	6.32	3.05	4.00
0.067	4.18	1.067	67.48	2.067	6.32	3.07	4.00
0.083	4.18	1.083	67.48	2.083	6.32	3.08	4.00
0.100	4.18	1.100	67.48	2.100	6.32	3.10	4.00
0.117	4.18	1.117	67.48	2.117	6.32	3.12	4.00
0.133	4.18	1.133	67.48	2.133	6.32	3.13	4.00
0.150	4.18	1.150	67.48	2.150	6.32	3.15	4.00
0.167	4.18	1.167	67.48	2.167	6.32	3.17	4.00
0.183	4.18	1.183	67.48	2.183	6.32	3.18	4.00
0.200	4.18	1.200	67.48	2.200	6.32	3.20	4.00
0.217	4.18	1.217	67.48	2.217	6.32	3.22	4.00
0.233	4.18	1.233	67.48	2.233	6.32	3.23	4.00
0.250	4.18	1.250	67.48	2.250	6.32	3.25	4.00
0.267	5.15	1.267	15.50	2.267	5.46	3.27	3.70
0.283	5.15	1.283	15.50	2.283	5.46	3.28	3.70
0.300	5.15	1.300	15.50	2.300	5.46	3.30	3.70
0.317	5.15	1.317	15.50	2.317	5.46	3.32	3.70
0.333	5.15	1.333	15.50	2.333	5.46	3.33	3.70
0.350	5.15	1.350	15.50	2.350	5.46	3.35	3.70
0.367	5.15	1.367	15.50	2.367	5.46	3.37	3.70
0.383	5.15	1.383	15.50	2.383	5.46	3.38	3.70
0.400	5.15	1.400	15.50	2.400	5.46	3.40	3.70
0.417	5.15	1.417	15.50	2.417	5.46	3.42	3.70
0.433	5.15	1.433	15.50	2.433	5.46	3.43	3.70
0.450	5.15	1.450	15.50	2.450	5.46	3.45	3.70
0.467	5.15	1.467	15.50	2.467	5.46	3.47	3.70
0.483	5.15	1.483	15.50	2.483	5.46	3.48	3.70
0.500	5.15	1.500	15.50	2.500	5.46	3.50	3.70
0.517	6.97	1.517	9.92	2.517	4.84	3.52	3.45
0.533	6.97	1.533	9.92	2.533	4.84	3.53	3.45
0.550	6.97	1.550	9.92	2.550	4.84	3.55	3.45
0.567	6.97	1.567	9.92	2.567	4.84	3.57	3.45
0.583	6.97	1.583	9.92	2.583	4.84	3.58	3.45
0.600	6.97	1.600	9.92	2.600	4.84	3.60	3.45
0.617	6.97	1.617	9.92	2.617	4.84	3.62	3.45
0.633	6.97	1.633	9.92	2.633	4.84	3.63	3.45
0.650	6.97	1.650	9.92	2.650	4.84	3.65	3.45
0.667	6.97	1.667	9.92	2.667	4.84	3.67	3.45
0.683	6.97	1.683	9.92	2.683	4.84	3.68	3.45
0.700	6.97	1.700	9.92	2.700	4.84	3.70	3.45
0.717	6.97	1.717	9.92	2.717	4.84	3.72	3.45

0.733	6.97	1.733	9.92	2.733	4.84	3.73	3.45
0.750	6.97	1.750	9.92	2.750	4.84	3.75	3.45
0.767	12.70	1.767	7.63	2.767	4.37	3.77	3.24
0.783	12.70	1.783	7.63	2.783	4.37	3.78	3.24
0.800	12.70	1.800	7.63	2.800	4.37	3.80	3.24
0.817	12.70	1.817	7.63	2.817	4.37	3.82	3.24
0.833	12.70	1.833	7.63	2.833	4.37	3.83	3.24
0.850	12.70	1.850	7.63	2.850	4.37	3.85	3.24
0.867	12.70	1.867	7.63	2.867	4.37	3.87	3.24
0.883	12.70	1.883	7.63	2.883	4.37	3.88	3.24
0.900	12.70	1.900	7.63	2.900	4.37	3.90	3.24
0.917	12.70	1.917	7.63	2.917	4.37	3.92	3.24
0.933	12.70	1.933	7.63	2.933	4.37	3.93	3.24
0.950	12.70	1.950	7.63	2.950	4.37	3.95	3.24
0.967	12.70	1.967	7.63	2.967	4.37	3.97	3.24
0.983	12.70	1.983	7.63	2.983	4.37	3.98	3.24
1.000	12.70	2.000	7.63	3.000	4.37	4.00	3.24

Max.Eff.Inten.(mm/hr)= 67.48 15.09
over (min) 6.00 14.00
Storage Coeff. (min)= 5.76 (ii) 13.28 (ii)
Unit Hyd. Tpeak (min)= 6.00 14.00
Unit Hyd. peak (cms)= 0.19 0.08

TOTALS

PEAK FLOW (cms)= 1.58 0.17 1.679 (iii)
TIME TO PEAK (hrs)= 1.27 1.43 1.27
RUNOFF VOLUME (mm)= 39.23 7.21 22.58
TOTAL RAINFALL (mm)= 41.23 41.23 41.23
RUNOFF COEFFICIENT = 0.95 0.17 0.55

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

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RESERVOIR( 0001)
IN= 2----> OUT= 1
DT= 5.0 min
OVERFLOW IS OFF

OUTFLOW    STORAGE    |    OUTFLOW    STORAGE
(cms)      (ha.m.)    |    (cms)      (ha.m.)
0.0000     0.0000    |    0.1330     0.5200
0.0380     0.2900    |    0.1650     0.5800
0.0680     0.3850    |    0.2000     0.6300
0.0940     0.4500    |    0.4800     1.1000

AREA        QPEAK      TPEAK      R.V.
(ha)        (cms)      (hrs)      (mm)
INFLOW : ID= 2 ( 0201) 19.500    1.679    1.27    22.58
OUTFLOW: ID= 1 ( 0001) 19.500    0.067    4.13    17.79

PEAK FLOW REDUCTION [Qout/Qin](%)= 4.00
TIME SHIFT OF PEAK FLOW (min)=172.00
MAXIMUM STORAGE USED (ha.m.)= 0.3825

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**** WARNING : SELECTED ROUTING TIME STEP DENIED.

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CALIB
STANDHYD ( 0202)
ID= 1 DT= 1.0 min
Area (ha)= 0.21
Total Imp(%)= 65.00 Dir. Conn.(%)= 65.00

IMPERVIOUS    PERVIOUS (i)
Surface Area (ha)= 0.14 0.07
Dep. Storage (mm)= 2.00 5.00
Average slope (%)= 1.00 2.00
Length (m)= 15.25 40.00
Mannings n = 0.013 0.250

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NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

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----- TRANSFORMED HYETOGRAPH -----
TIME    RAIN    TIME    RAIN    TIME    RAIN    TIME    RAIN
hrs     mm/hr   hrs     mm/hr   hrs     mm/hr   hrs     mm/hr
0.017   4.18   1.017   67.48   2.017   6.32   3.02   4.00
0.033   4.18   1.033   67.48   2.033   6.32   3.03   4.00
0.050   4.18   1.050   67.48   2.050   6.32   3.05   4.00
0.067   4.18   1.067   67.48   2.067   6.32   3.07   4.00
0.083   4.18   1.083   67.48   2.083   6.32   3.08   4.00
0.100   4.18   1.100   67.48   2.100   6.32   3.10   4.00
0.117   4.18   1.117   67.48   2.117   6.32   3.12   4.00

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0.133	4.18	1.133	67.48	2.133	6.32	3.13	4.00
0.150	4.18	1.150	67.48	2.150	6.32	3.15	4.00
0.167	4.18	1.167	67.48	2.167	6.32	3.17	4.00
0.183	4.18	1.183	67.48	2.183	6.32	3.18	4.00
0.200	4.18	1.200	67.48	2.200	6.32	3.20	4.00
0.217	4.18	1.217	67.48	2.217	6.32	3.22	4.00
0.233	4.18	1.233	67.48	2.233	6.32	3.23	4.00
0.250	4.18	1.250	67.48	2.250	6.32	3.25	4.00
0.267	5.15	1.267	15.50	2.267	5.46	3.27	3.70
0.283	5.15	1.283	15.50	2.283	5.46	3.28	3.70
0.300	5.15	1.300	15.50	2.300	5.46	3.30	3.70
0.317	5.15	1.317	15.50	2.317	5.46	3.32	3.70
0.333	5.15	1.333	15.50	2.333	5.46	3.33	3.70
0.350	5.15	1.350	15.50	2.350	5.46	3.35	3.70
0.367	5.15	1.367	15.50	2.367	5.46	3.37	3.70
0.383	5.15	1.383	15.50	2.383	5.46	3.38	3.70
0.400	5.15	1.400	15.50	2.400	5.46	3.40	3.70
0.417	5.15	1.417	15.50	2.417	5.46	3.42	3.70
0.433	5.15	1.433	15.50	2.433	5.46	3.43	3.70
0.450	5.15	1.450	15.50	2.450	5.46	3.45	3.70
0.467	5.15	1.467	15.50	2.467	5.46	3.47	3.70
0.483	5.15	1.483	15.50	2.483	5.46	3.48	3.70
0.500	5.15	1.500	15.50	2.500	5.46	3.50	3.70
0.517	6.97	1.517	9.92	2.517	4.84	3.52	3.45
0.533	6.97	1.533	9.92	2.533	4.84	3.53	3.45
0.550	6.97	1.550	9.92	2.550	4.84	3.55	3.45
0.567	6.97	1.567	9.92	2.567	4.84	3.57	3.45
0.583	6.97	1.583	9.92	2.583	4.84	3.58	3.45
0.600	6.97	1.600	9.92	2.600	4.84	3.60	3.45
0.617	6.97	1.617	9.92	2.617	4.84	3.62	3.45
0.633	6.97	1.633	9.92	2.633	4.84	3.63	3.45
0.650	6.97	1.650	9.92	2.650	4.84	3.65	3.45
0.667	6.97	1.667	9.92	2.667	4.84	3.67	3.45
0.683	6.97	1.683	9.92	2.683	4.84	3.68	3.45
0.700	6.97	1.700	9.92	2.700	4.84	3.70	3.45
0.717	6.97	1.717	9.92	2.717	4.84	3.72	3.45
0.733	6.97	1.733	9.92	2.733	4.84	3.73	3.45
0.750	6.97	1.750	9.92	2.750	4.84	3.75	3.45
0.767	12.70	1.767	7.63	2.767	4.37	3.77	3.24
0.783	12.70	1.783	7.63	2.783	4.37	3.78	3.24
0.800	12.70	1.800	7.63	2.800	4.37	3.80	3.24
0.817	12.70	1.817	7.63	2.817	4.37	3.82	3.24
0.833	12.70	1.833	7.63	2.833	4.37	3.83	3.24
0.850	12.70	1.850	7.63	2.850	4.37	3.85	3.24
0.867	12.70	1.867	7.63	2.867	4.37	3.87	3.24
0.883	12.70	1.883	7.63	2.883	4.37	3.88	3.24
0.900	12.70	1.900	7.63	2.900	4.37	3.90	3.24
0.917	12.70	1.917	7.63	2.917	4.37	3.92	3.24
0.933	12.70	1.933	7.63	2.933	4.37	3.93	3.24
0.950	12.70	1.950	7.63	2.950	4.37	3.95	3.24
0.967	12.70	1.967	7.63	2.967	4.37	3.97	3.24
0.983	12.70	1.983	7.63	2.983	4.37	3.98	3.24
1.000	12.70	2.000	7.63	3.000	4.37	4.00	3.24

Max.Eff.Inten.(mm/hr)= 67.48 7.66
over (min) 5.00 8.00
Storage Coeff. (min)= 0.97 (ii) 7.42 (ii)
Unit Hyd. Tpeak (min)= 5.00 8.00
Unit Hyd. peak (cms)= 0.48 0.15

TOTALS
PEAK FLOW (cms)= 0.03 0.00 0.027 (iii)
TIME TO PEAK (hrs)= 1.25 1.33 1.25
RUNOFF VOLUME (mm)= 39.23 5.20 27.30
TOTAL RAINFALL (mm)= 41.23 41.23 41.23
RUNOFF COEFFICIENT = 0.95 0.13 0.66

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)				
1 + 2 = 3				

ID1= 1 (0001):	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
+ ID2= 2 (0202):	19.50	0.067	4.13	17.79
	0.21	0.027	1.25	27.30
=====				
ID = 3 (0015):	19.71	0.068	4.02	17.89

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:1.3 Chicago 4hr 10yr **

CHICAGO STORM
Ptotal= 47.41 mm

IDF curve parameters: A= 488.045
B= 0.000
C= 0.678
used in: INTENSITY = $A / (t + B)^C$

Duration of storm = 4.00 hrs
Storm time step = 15.00 min
Time to peak ratio = 0.33

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	4.80	1.00	77.82	2.00	7.25	3.00	4.59
0.25	5.90	1.25	17.81	2.25	6.26	3.25	4.24
0.50	8.00	1.50	11.39	2.50	5.55	3.50	3.95
0.75	14.59	1.75	8.76	2.75	5.01	3.75	3.71

CALIB
STANDHYD (0201)
ID= 1 DT= 1.0 min

Area (ha)= 19.50
Total Imp(%)= 62.00 Dir. Conn.(%)= 48.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	12.09	7.41
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	298.34	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	4.80	1.017	77.82	2.017	7.26	3.02	4.59
0.033	4.80	1.033	77.82	2.033	7.25	3.03	4.59
0.050	4.80	1.050	77.82	2.050	7.25	3.05	4.59
0.067	4.80	1.067	77.82	2.067	7.25	3.07	4.59
0.083	4.80	1.083	77.82	2.083	7.25	3.08	4.59
0.100	4.80	1.100	77.82	2.100	7.25	3.10	4.59
0.117	4.80	1.117	77.82	2.117	7.25	3.12	4.59
0.133	4.80	1.133	77.82	2.133	7.25	3.13	4.59
0.150	4.80	1.150	77.82	2.150	7.25	3.15	4.59
0.167	4.80	1.167	77.82	2.167	7.25	3.17	4.59
0.183	4.80	1.183	77.82	2.183	7.25	3.18	4.59
0.200	4.80	1.200	77.82	2.200	7.25	3.20	4.59
0.217	4.80	1.217	77.82	2.217	7.25	3.22	4.59
0.233	4.80	1.233	77.82	2.233	7.25	3.23	4.59
0.250	4.80	1.250	77.82	2.250	7.25	3.25	4.59
0.267	5.90	1.267	17.81	2.267	6.26	3.27	4.24
0.283	5.90	1.283	17.81	2.283	6.26	3.28	4.24
0.300	5.90	1.300	17.81	2.300	6.26	3.30	4.24
0.317	5.90	1.317	17.81	2.317	6.26	3.32	4.24
0.333	5.90	1.333	17.81	2.333	6.26	3.33	4.24
0.350	5.90	1.350	17.81	2.350	6.26	3.35	4.24
0.367	5.90	1.367	17.81	2.367	6.26	3.37	4.24
0.383	5.90	1.383	17.81	2.383	6.26	3.38	4.24
0.400	5.90	1.400	17.81	2.400	6.26	3.40	4.24
0.417	5.90	1.417	17.81	2.417	6.26	3.42	4.24
0.433	5.90	1.433	17.81	2.433	6.26	3.43	4.24
0.450	5.90	1.450	17.81	2.450	6.26	3.45	4.24
0.467	5.90	1.467	17.81	2.467	6.26	3.47	4.24
0.483	5.90	1.483	17.81	2.483	6.26	3.48	4.24
0.500	5.90	1.500	17.81	2.500	6.26	3.50	4.24
0.517	8.00	1.517	11.39	2.517	5.55	3.52	3.95
0.533	8.00	1.533	11.39	2.533	5.55	3.53	3.95
0.550	8.00	1.550	11.39	2.550	5.55	3.55	3.95
0.567	8.00	1.567	11.39	2.567	5.55	3.57	3.95
0.583	8.00	1.583	11.39	2.583	5.55	3.58	3.95
0.600	8.00	1.600	11.39	2.600	5.55	3.60	3.95
0.617	8.00	1.617	11.39	2.617	5.55	3.62	3.95
0.633	8.00	1.633	11.39	2.633	5.55	3.63	3.95
0.650	8.00	1.650	11.39	2.650	5.55	3.65	3.95
0.667	8.00	1.667	11.39	2.667	5.55	3.67	3.95
0.683	8.00	1.683	11.39	2.683	5.55	3.68	3.95

0.700	8.00	1.700	11.39	2.700	5.55	3.70	3.95
0.717	8.00	1.717	11.39	2.717	5.55	3.72	3.95
0.733	8.00	1.733	11.39	2.733	5.55	3.73	3.95
0.750	8.00	1.750	11.39	2.750	5.55	3.75	3.95
0.767	14.59	1.767	8.76	2.767	5.01	3.77	3.71
0.783	14.59	1.783	8.76	2.783	5.01	3.78	3.71
0.800	14.59	1.800	8.76	2.800	5.01	3.80	3.71
0.817	14.59	1.817	8.76	2.817	5.01	3.82	3.71
0.833	14.59	1.833	8.76	2.833	5.01	3.83	3.71
0.850	14.59	1.850	8.76	2.850	5.01	3.85	3.71
0.867	14.59	1.867	8.76	2.867	5.01	3.87	3.71
0.883	14.59	1.883	8.76	2.883	5.01	3.88	3.71
0.900	14.59	1.900	8.76	2.900	5.01	3.90	3.71
0.917	14.59	1.917	8.76	2.917	5.01	3.92	3.71
0.933	14.59	1.933	8.76	2.933	5.01	3.93	3.71
0.950	14.59	1.950	8.76	2.950	5.01	3.95	3.71
0.967	14.59	1.967	8.76	2.967	5.01	3.97	3.71
0.983	14.59	1.983	8.76	2.983	5.01	3.98	3.71
1.000	14.59	2.000	8.76	3.000	5.01	4.00	3.71

Max.Eff.Inten.(mm/hr)= 77.82 20.18
over (min) 5.00 13.00
Storage Coeff. (min)= 5.44 (ii) 12.55 (ii)
Unit Hyd. Tpeak (min)= 5.00 13.00
Unit Hyd. peak (cms)= 0.21 0.09

TOTALS
PEAK FLOW (cms)= 1.86 0.23 2.002 (iii)
TIME TO PEAK (hrs)= 1.25 1.42 1.27
RUNOFF VOLUME (mm)= 45.41 9.48 26.73
TOTAL RAINFALL (mm)= 47.41 47.41 47.41
RUNOFF COEFFICIENT = 0.96 0.20 0.56

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)		OVERFLOW IS OFF			
IN= 2---> OUT= 1					
DT= 5.0 min					
		OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
		0.0000	0.0000	0.1330	0.5200
		0.0380	0.2900	0.1650	0.5800
		0.0680	0.3850	0.2000	0.6300
		0.0940	0.4500	0.4800	1.1000
		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)		19.500	2.002	1.27	26.73
OUTFLOW: ID= 1 (0001)		19.500	0.091	4.10	21.43

PEAK FLOW REDUCTION [Qout/Qin](%)= 4.56
TIME SHIFT OF PEAK FLOW (min)=170.00
MAXIMUM STORAGE USED (ha.m.)= 0.4435

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB					
STANDHYD (0202)					
ID= 1 DT= 1.0 min					
		Area (ha)= 0.21			
		Total Imp(%)= 65.00	Dir. Conn.(%)= 65.00		
		IMPERVIOUS	PERVIOUS (i)		
Surface Area (ha)=		0.14	0.07		
Dep. Storage (mm)=		2.00	5.00		
Average slope (%)=		1.00	2.00		
Length (m)=		15.25	40.00		
Mannings n =		0.013	0.250		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	4.80	1.017	77.82	2.017	7.26	3.02	4.59
0.033	4.80	1.033	77.82	2.033	7.25	3.03	4.59
0.050	4.80	1.050	77.82	2.050	7.25	3.05	4.59
0.067	4.80	1.067	77.82	2.067	7.25	3.07	4.59
0.083	4.80	1.083	77.82	2.083	7.25	3.08	4.59

0.100	4.80	1.100	77.82	2.100	7.25	3.10	4.59
0.117	4.80	1.117	77.82	2.117	7.25	3.12	4.59
0.133	4.80	1.133	77.82	2.133	7.25	3.13	4.59
0.150	4.80	1.150	77.82	2.150	7.25	3.15	4.59
0.167	4.80	1.167	77.82	2.167	7.25	3.17	4.59
0.183	4.80	1.183	77.82	2.183	7.25	3.18	4.59
0.200	4.80	1.200	77.82	2.200	7.25	3.20	4.59
0.217	4.80	1.217	77.82	2.217	7.25	3.22	4.59
0.233	4.80	1.233	77.82	2.233	7.25	3.23	4.59
0.250	4.80	1.250	77.82	2.250	7.25	3.25	4.59
0.267	5.90	1.267	17.81	2.267	6.26	3.27	4.24
0.283	5.90	1.283	17.81	2.283	6.26	3.28	4.24
0.300	5.90	1.300	17.81	2.300	6.26	3.30	4.24
0.317	5.90	1.317	17.81	2.317	6.26	3.32	4.24
0.333	5.90	1.333	17.81	2.333	6.26	3.33	4.24
0.350	5.90	1.350	17.81	2.350	6.26	3.35	4.24
0.367	5.90	1.367	17.81	2.367	6.26	3.37	4.24
0.383	5.90	1.383	17.81	2.383	6.26	3.38	4.24
0.400	5.90	1.400	17.81	2.400	6.26	3.40	4.24
0.417	5.90	1.417	17.81	2.417	6.26	3.42	4.24
0.433	5.90	1.433	17.81	2.433	6.26	3.43	4.24
0.450	5.90	1.450	17.81	2.450	6.26	3.45	4.24
0.467	5.90	1.467	17.81	2.467	6.26	3.47	4.24
0.483	5.90	1.483	17.81	2.483	6.26	3.48	4.24
0.500	5.90	1.500	17.81	2.500	6.26	3.50	4.24
0.517	8.00	1.517	11.39	2.517	5.55	3.52	3.95
0.533	8.00	1.533	11.39	2.533	5.55	3.53	3.95
0.550	8.00	1.550	11.39	2.550	5.55	3.55	3.95
0.567	8.00	1.567	11.39	2.567	5.55	3.57	3.95
0.583	8.00	1.583	11.39	2.583	5.55	3.58	3.95
0.600	8.00	1.600	11.39	2.600	5.55	3.60	3.95
0.617	8.00	1.617	11.39	2.617	5.55	3.62	3.95
0.633	8.00	1.633	11.39	2.633	5.55	3.63	3.95
0.650	8.00	1.650	11.39	2.650	5.55	3.65	3.95
0.667	8.00	1.667	11.39	2.667	5.55	3.67	3.95
0.683	8.00	1.683	11.39	2.683	5.55	3.68	3.95
0.700	8.00	1.700	11.39	2.700	5.55	3.70	3.95
0.717	8.00	1.717	11.39	2.717	5.55	3.72	3.95
0.733	8.00	1.733	11.39	2.733	5.55	3.73	3.95
0.750	8.00	1.750	11.39	2.750	5.55	3.75	3.95
0.767	14.59	1.767	8.76	2.767	5.01	3.77	3.71
0.783	14.59	1.783	8.76	2.783	5.01	3.78	3.71
0.800	14.59	1.800	8.76	2.800	5.01	3.80	3.71
0.817	14.59	1.817	8.76	2.817	5.01	3.82	3.71
0.833	14.59	1.833	8.76	2.833	5.01	3.83	3.71
0.850	14.59	1.850	8.76	2.850	5.01	3.85	3.71
0.867	14.59	1.867	8.76	2.867	5.01	3.87	3.71
0.883	14.59	1.883	8.76	2.883	5.01	3.88	3.71
0.900	14.59	1.900	8.76	2.900	5.01	3.90	3.71
0.917	14.59	1.917	8.76	2.917	5.01	3.92	3.71
0.933	14.59	1.933	8.76	2.933	5.01	3.93	3.71
0.950	14.59	1.950	8.76	2.950	5.01	3.95	3.71
0.967	14.59	1.967	8.76	2.967	5.01	3.97	3.71
0.983	14.59	1.983	8.76	2.983	5.01	3.98	3.71
1.000	14.59	2.000	8.76	3.000	5.01	4.00	3.71

Max.Eff.Inten.(mm/hr)= 77.82 10.46
over (min) 5.00 8.00
Storage Coeff. (min)= 0.91 (ii) 7.00 (ii)
Unit Hyd. Tpeak (min)= 5.00 8.00
Unit Hyd. peak (cms)= 0.48 0.15

TOTALS
PEAK FLOW (cms)= 0.03 0.00 0.031 (iii)
TIME TO PEAK (hrs)= 1.25 1.32 1.25
RUNOFF VOLUME (mm)= 45.41 6.95 31.93
TOTAL RAINFALL (mm)= 47.41 47.41 47.41
RUNOFF COEFFICIENT = 0.96 0.15 0.67

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

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-----
| ADD HYD ( 0015) |
| 1 + 2 = 3 |
-----
ID1= 1 ( 0001): 19.50 0.091 4.10 21.43
+ ID2= 2 ( 0202): 0.21 0.031 1.25 31.93

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=====

ID = 3 (0015): 19.71 0.093 4.02 21.55

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:1.4 Chicago 4hr 25yr **

CHICAGO STORM	IDF curve parameters: A= 569.921
Ptotal= 55.36 mm	B= 0.000
	C= 0.678

used in: INTENSITY = $A / (t + B)^C$

Duration of storm = 4.00 hrs
Storm time step = 15.00 min
Time to peak ratio = 0.33

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	5.60	1.00	90.87	2.00	8.47	3.00	5.36
0.25	6.89	1.25	20.79	2.25	7.32	3.25	4.95
0.50	9.34	1.50	13.30	2.50	6.49	3.50	4.62
0.75	17.04	1.75	10.23	2.75	5.85	3.75	4.33

CALIB	Area (ha)= 19.50
STANDHYD (0201)	Total Imp(%)= 62.00
ID= 1 DT= 1.0 min	Dir. Conn.(%)= 48.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	12.09	7.41
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	298.34	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	5.60	1.017	90.87	2.017	8.47	3.02	5.36
0.033	5.60	1.033	90.87	2.033	8.47	3.03	5.36
0.050	5.60	1.050	90.87	2.050	8.47	3.05	5.36
0.067	5.60	1.067	90.87	2.067	8.47	3.07	5.36
0.083	5.60	1.083	90.87	2.083	8.47	3.08	5.36
0.100	5.60	1.100	90.87	2.100	8.47	3.10	5.36
0.117	5.60	1.117	90.87	2.117	8.47	3.12	5.36
0.133	5.60	1.133	90.87	2.133	8.47	3.13	5.36
0.150	5.60	1.150	90.87	2.150	8.47	3.15	5.36
0.167	5.60	1.167	90.87	2.167	8.47	3.17	5.36
0.183	5.60	1.183	90.87	2.183	8.47	3.18	5.36
0.200	5.60	1.200	90.87	2.200	8.47	3.20	5.36
0.217	5.60	1.217	90.87	2.217	8.47	3.22	5.36
0.233	5.60	1.233	90.87	2.233	8.47	3.23	5.36
0.250	5.60	1.250	90.87	2.250	8.47	3.25	5.36
0.267	6.89	1.267	20.80	2.267	7.32	3.27	4.95
0.283	6.89	1.283	20.79	2.283	7.32	3.28	4.95
0.300	6.89	1.300	20.79	2.300	7.32	3.30	4.95
0.317	6.89	1.317	20.79	2.317	7.32	3.32	4.95
0.333	6.89	1.333	20.79	2.333	7.32	3.33	4.95
0.350	6.89	1.350	20.79	2.350	7.32	3.35	4.95
0.367	6.89	1.367	20.79	2.367	7.32	3.37	4.95
0.383	6.89	1.383	20.79	2.383	7.32	3.38	4.95
0.400	6.89	1.400	20.79	2.400	7.32	3.40	4.95
0.417	6.89	1.417	20.79	2.417	7.32	3.42	4.95
0.433	6.89	1.433	20.79	2.433	7.32	3.43	4.95
0.450	6.89	1.450	20.79	2.450	7.32	3.45	4.95
0.467	6.89	1.467	20.79	2.467	7.32	3.47	4.95
0.483	6.89	1.483	20.79	2.483	7.32	3.48	4.95
0.500	6.89	1.500	20.79	2.500	7.32	3.50	4.95
0.517	9.34	1.517	13.30	2.517	6.49	3.52	4.62
0.533	9.34	1.533	13.30	2.533	6.49	3.53	4.62
0.550	9.34	1.550	13.30	2.550	6.49	3.55	4.62
0.567	9.34	1.567	13.30	2.567	6.49	3.57	4.62
0.583	9.34	1.583	13.30	2.583	6.49	3.58	4.62
0.600	9.34	1.600	13.30	2.600	6.49	3.60	4.62
0.617	9.34	1.617	13.30	2.617	6.49	3.62	4.62
0.633	9.34	1.633	13.30	2.633	6.49	3.63	4.62
0.650	9.34	1.650	13.30	2.650	6.49	3.65	4.62

0.667	9.34	1.667	13.30	2.667	6.49	3.67	4.62
0.683	9.34	1.683	13.30	2.683	6.49	3.68	4.62
0.700	9.34	1.700	13.30	2.700	6.49	3.70	4.62
0.717	9.34	1.717	13.30	2.717	6.49	3.72	4.62
0.733	9.34	1.733	13.30	2.733	6.49	3.73	4.62
0.750	9.34	1.750	13.30	2.750	6.49	3.75	4.62
0.767	17.04	1.767	10.23	2.767	5.85	3.77	4.33
0.783	17.04	1.783	10.23	2.783	5.85	3.78	4.33
0.800	17.04	1.800	10.23	2.800	5.85	3.80	4.33
0.817	17.04	1.817	10.23	2.817	5.85	3.82	4.33
0.833	17.04	1.833	10.23	2.833	5.85	3.83	4.33
0.850	17.04	1.850	10.23	2.850	5.85	3.85	4.33
0.867	17.04	1.867	10.23	2.867	5.85	3.87	4.33
0.883	17.04	1.883	10.23	2.883	5.85	3.88	4.33
0.900	17.04	1.900	10.23	2.900	5.85	3.90	4.33
0.917	17.04	1.917	10.23	2.917	5.85	3.92	4.33
0.933	17.04	1.933	10.23	2.933	5.85	3.93	4.33
0.950	17.04	1.950	10.23	2.950	5.85	3.95	4.33
0.967	17.04	1.967	10.23	2.967	5.85	3.97	4.33
0.983	17.04	1.983	10.23	2.983	5.85	3.98	4.33
1.000	17.04	2.000	10.23	3.000	5.85	4.00	4.33

Max.Eff.Inten.(mm/hr)= 90.87 27.50
over (min) 5.00 12.00
Storage Coeff. (min)= 5.11 (ii) 11.79 (ii)
Unit Hyd. Tpeak (min)= 5.00 12.00
Unit Hyd. peak (cms)= 0.22 0.10

TOTALS

PEAK FLOW (cms)= 2.20 0.33 2.418 (iii)
TIME TO PEAK (hrs)= 1.25 1.40 1.27
RUNOFF VOLUME (mm)= 53.36 12.74 32.24
TOTAL RAINFALL (mm)= 55.36 55.36 55.36
RUNOFF COEFFICIENT = 0.96 0.23 0.58

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)					
IN= 2----> OUT= 1					
DT= 5.0 min					

OVERFLOW IS OFF					
		OUTFLOW	STORAGE	OUTFLOW	STORAGE
		(cms)	(ha.m.)	(cms)	(ha.m.)
		0.0000	0.0000	0.1330	0.5200
		0.0380	0.2900	0.1650	0.5800
		0.0680	0.3850	0.2000	0.6300
		0.0940	0.4500	0.4800	1.1000
		AREA	QPEAK	TPEAK	R.V.
		(ha)	(cms)	(hrs)	(mm)
INFLOW : ID= 2 (0201)		19.500	2.418	1.27	32.24
OUTFLOW: ID= 1 (0001)		19.500	0.132	4.07	26.46

PEAK FLOW REDUCTION [Qout/Qin](%)= 5.45
TIME SHIFT OF PEAK FLOW (min)=168.00
MAXIMUM STORAGE USED (ha.m.)= 0.5179

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB			
STANDHYD (0202)			
ID= 1 DT= 1.0 min			

Area (ha)= 0.21			
Total Imp(%)= 65.00		Dir. Conn.(%)= 65.00	

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.14	0.07
Dep. Storage	(mm)=	2.00	5.00
Average slope	(%)=	1.00	2.00
Length	(m)=	15.25	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	5.60	1.017	90.87	2.017	8.47	3.02	5.36
0.033	5.60	1.033	90.87	2.033	8.47	3.03	5.36
0.050	5.60	1.050	90.87	2.050	8.47	3.05	5.36

0.067	5.60	1.067	90.87	2.067	8.47	3.07	5.36
0.083	5.60	1.083	90.87	2.083	8.47	3.08	5.36
0.100	5.60	1.100	90.87	2.100	8.47	3.10	5.36
0.117	5.60	1.117	90.87	2.117	8.47	3.12	5.36
0.133	5.60	1.133	90.87	2.133	8.47	3.13	5.36
0.150	5.60	1.150	90.87	2.150	8.47	3.15	5.36
0.167	5.60	1.167	90.87	2.167	8.47	3.17	5.36
0.183	5.60	1.183	90.87	2.183	8.47	3.18	5.36
0.200	5.60	1.200	90.87	2.200	8.47	3.20	5.36
0.217	5.60	1.217	90.87	2.217	8.47	3.22	5.36
0.233	5.60	1.233	90.87	2.233	8.47	3.23	5.36
0.250	5.60	1.250	90.87	2.250	8.47	3.25	5.36
0.267	6.89	1.267	20.80	2.267	7.32	3.27	4.95
0.283	6.89	1.283	20.79	2.283	7.32	3.28	4.95
0.300	6.89	1.300	20.79	2.300	7.32	3.30	4.95
0.317	6.89	1.317	20.79	2.317	7.32	3.32	4.95
0.333	6.89	1.333	20.79	2.333	7.32	3.33	4.95
0.350	6.89	1.350	20.79	2.350	7.32	3.35	4.95
0.367	6.89	1.367	20.79	2.367	7.32	3.37	4.95
0.383	6.89	1.383	20.79	2.383	7.32	3.38	4.95
0.400	6.89	1.400	20.79	2.400	7.32	3.40	4.95
0.417	6.89	1.417	20.79	2.417	7.32	3.42	4.95
0.433	6.89	1.433	20.79	2.433	7.32	3.43	4.95
0.450	6.89	1.450	20.79	2.450	7.32	3.45	4.95
0.467	6.89	1.467	20.79	2.467	7.32	3.47	4.95
0.483	6.89	1.483	20.79	2.483	7.32	3.48	4.95
0.500	6.89	1.500	20.79	2.500	7.32	3.50	4.95
0.517	9.34	1.517	13.30	2.517	6.49	3.52	4.62
0.533	9.34	1.533	13.30	2.533	6.49	3.53	4.62
0.550	9.34	1.550	13.30	2.550	6.49	3.55	4.62
0.567	9.34	1.567	13.30	2.567	6.49	3.57	4.62
0.583	9.34	1.583	13.30	2.583	6.49	3.58	4.62
0.600	9.34	1.600	13.30	2.600	6.49	3.60	4.62
0.617	9.34	1.617	13.30	2.617	6.49	3.62	4.62
0.633	9.34	1.633	13.30	2.633	6.49	3.63	4.62
0.650	9.34	1.650	13.30	2.650	6.49	3.65	4.62
0.667	9.34	1.667	13.30	2.667	6.49	3.67	4.62
0.683	9.34	1.683	13.30	2.683	6.49	3.68	4.62
0.700	9.34	1.700	13.30	2.700	6.49	3.70	4.62
0.717	9.34	1.717	13.30	2.717	6.49	3.72	4.62
0.733	9.34	1.733	13.30	2.733	6.49	3.73	4.62
0.750	9.34	1.750	13.30	2.750	6.49	3.75	4.62
0.767	17.04	1.767	10.23	2.767	5.85	3.77	4.33
0.783	17.04	1.783	10.23	2.783	5.85	3.78	4.33
0.800	17.04	1.800	10.23	2.800	5.85	3.80	4.33
0.817	17.04	1.817	10.23	2.817	5.85	3.82	4.33
0.833	17.04	1.833	10.23	2.833	5.85	3.83	4.33
0.850	17.04	1.850	10.23	2.850	5.85	3.85	4.33
0.867	17.04	1.867	10.23	2.867	5.85	3.87	4.33
0.883	17.04	1.883	10.23	2.883	5.85	3.88	4.33
0.900	17.04	1.900	10.23	2.900	5.85	3.90	4.33
0.917	17.04	1.917	10.23	2.917	5.85	3.92	4.33
0.933	17.04	1.933	10.23	2.933	5.85	3.93	4.33
0.950	17.04	1.950	10.23	2.950	5.85	3.95	4.33
0.967	17.04	1.967	10.23	2.967	5.85	3.97	4.33
0.983	17.04	1.983	10.23	2.983	5.85	3.98	4.33
1.000	17.04	2.000	10.23	3.000	5.85	4.00	4.33

Max.Eff.Inten.(mm/hr)= 90.87 14.56
over (min) 5.00 7.00
Storage Coeff. (min)= 0.86 (ii) 6.58 (ii)
Unit Hyd. Tpeak (min)= 5.00 7.00
Unit Hyd. peak (cms)= 0.49 0.17

TOTALS

PEAK FLOW (cms)= 0.03 0.00 0.036 (iii)
TIME TO PEAK (hrs)= 1.23 1.30 1.25
RUNOFF VOLUME (mm)= 53.36 9.51 37.99
TOTAL RAINFALL (mm)= 55.36 55.36 55.36
RUNOFF COEFFICIENT = 0.96 0.17 0.69

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

| ADD HYD (0015) |
1 + 2 = 3

AREA QPEAK TPEAK R.V.
(ha) (cms) (hrs) (mm)


```

ID1= 1 ( 0001):    19.50    0.132    4.07    26.46
+ ID2= 2 ( 0202):     0.21    0.036    1.25    37.99
=====
ID = 3 ( 0015):    19.71    0.133    4.02    26.59

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NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:1.5 Chicago 4hr 50yr **

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| CHICAGO STORM          | IDF curve parameters: A= 630.927
| Ptotal= 61.29 mm      | B=    0.000
|                         | C=    0.678
|                         | used in:  INTENSITY = A / (t + B)^C
|                         |
|                         | Duration of storm = 4.00 hrs
|                         | Storm time step   = 15.00 min
|                         | Time to peak ratio = 0.33
|                         |

```

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	6.20	1.00	100.60	2.00	9.38	3.00	5.93
0.25	7.63	1.25	23.02	2.25	8.10	3.25	5.48
0.50	10.34	1.50	14.72	2.50	7.18	3.50	5.11
0.75	18.86	1.75	11.32	2.75	6.48	3.75	4.80

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-----
| CALIB                  |
| STANDHYD ( 0201)      | Area (ha)= 19.50
| ID= 1 DT= 1.0 min     | Total Imp(%)= 62.00 Dir. Conn.(%)= 48.00
|                         |
|                         | IMPERVIOUS      PERVIOUS (i)
| Surface Area          | (ha)= 12.09      7.41
| Dep. Storage          | (mm)= 2.00       5.00
| Average Slope         | (%)= 1.00       2.00
| Length                | (m)= 298.34     40.00
| Mannings n            | = 0.013         0.250

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NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

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----- TRANSFORMED HYETOGRAPH -----

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TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	6.20	1.017	100.60	2.017	9.38	3.02	5.93
0.033	6.20	1.033	100.60	2.033	9.38	3.03	5.93
0.050	6.20	1.050	100.60	2.050	9.38	3.05	5.93
0.067	6.20	1.067	100.60	2.067	9.38	3.07	5.93
0.083	6.20	1.083	100.60	2.083	9.38	3.08	5.93
0.100	6.20	1.100	100.60	2.100	9.38	3.10	5.93
0.117	6.20	1.117	100.60	2.117	9.38	3.12	5.93
0.133	6.20	1.133	100.60	2.133	9.38	3.13	5.93
0.150	6.20	1.150	100.60	2.150	9.38	3.15	5.93
0.167	6.20	1.167	100.60	2.167	9.38	3.17	5.93
0.183	6.20	1.183	100.60	2.183	9.38	3.18	5.93
0.200	6.20	1.200	100.60	2.200	9.38	3.20	5.93
0.217	6.20	1.217	100.60	2.217	9.38	3.22	5.93
0.233	6.20	1.233	100.60	2.233	9.38	3.23	5.93
0.250	6.20	1.250	100.60	2.250	9.38	3.25	5.93
0.267	7.63	1.267	23.02	2.267	8.10	3.27	5.48
0.283	7.63	1.283	23.02	2.283	8.10	3.28	5.48
0.300	7.63	1.300	23.02	2.300	8.10	3.30	5.48
0.317	7.63	1.317	23.02	2.317	8.10	3.32	5.48
0.333	7.63	1.333	23.02	2.333	8.10	3.33	5.48
0.350	7.63	1.350	23.02	2.350	8.10	3.35	5.48
0.367	7.63	1.367	23.02	2.367	8.10	3.37	5.48
0.383	7.63	1.383	23.02	2.383	8.10	3.38	5.48
0.400	7.63	1.400	23.02	2.400	8.10	3.40	5.48
0.417	7.63	1.417	23.02	2.417	8.10	3.42	5.48
0.433	7.63	1.433	23.02	2.433	8.10	3.43	5.48
0.450	7.63	1.450	23.02	2.450	8.10	3.45	5.48
0.467	7.63	1.467	23.02	2.467	8.10	3.47	5.48
0.483	7.63	1.483	23.02	2.483	8.10	3.48	5.48
0.500	7.63	1.500	23.02	2.500	8.10	3.50	5.48
0.517	10.34	1.517	14.72	2.517	7.18	3.52	5.11
0.533	10.34	1.533	14.72	2.533	7.18	3.53	5.11
0.550	10.34	1.550	14.72	2.550	7.18	3.55	5.11
0.567	10.34	1.567	14.72	2.567	7.18	3.57	5.11
0.583	10.34	1.583	14.72	2.583	7.18	3.58	5.11
0.600	10.34	1.600	14.72	2.600	7.18	3.60	5.11
0.617	10.34	1.617	14.72	2.617	7.18	3.62	5.11

0.633	10.34	1.633	14.72	2.633	7.18	3.63	5.11
0.650	10.34	1.650	14.72	2.650	7.18	3.65	5.11
0.667	10.34	1.667	14.72	2.667	7.18	3.67	5.11
0.683	10.34	1.683	14.72	2.683	7.18	3.68	5.11
0.700	10.34	1.700	14.72	2.700	7.18	3.70	5.11
0.717	10.34	1.717	14.72	2.717	7.18	3.72	5.11
0.733	10.34	1.733	14.72	2.733	7.18	3.73	5.11
0.750	10.34	1.750	14.72	2.750	7.18	3.75	5.11
0.767	18.86	1.767	11.32	2.767	6.48	3.77	4.80
0.783	18.86	1.783	11.32	2.783	6.48	3.78	4.80
0.800	18.86	1.800	11.32	2.800	6.48	3.80	4.80
0.817	18.86	1.817	11.32	2.817	6.48	3.82	4.80
0.833	18.86	1.833	11.32	2.833	6.48	3.83	4.80
0.850	18.86	1.850	11.32	2.850	6.48	3.85	4.80
0.867	18.86	1.867	11.32	2.867	6.48	3.87	4.80
0.883	18.86	1.883	11.32	2.883	6.48	3.88	4.80
0.900	18.86	1.900	11.32	2.900	6.48	3.90	4.80
0.917	18.86	1.917	11.32	2.917	6.48	3.92	4.80
0.933	18.86	1.933	11.32	2.933	6.48	3.93	4.80
0.950	18.86	1.950	11.32	2.950	6.48	3.95	4.80
0.967	18.86	1.967	11.32	2.967	6.48	3.97	4.80
0.983	18.86	1.983	11.32	2.983	6.48	3.98	4.80
1.000	18.86	2.000	11.32	3.000	6.48	4.00	4.80

Max.Eff.Inten.(mm/hr)= 100.60 33.52
 over (min) 5.00 12.00
 Storage Coeff. (min)= 4.91 (ii) 11.32 (ii)
 Unit Hyd. Tpeak (min)= 5.00 12.00
 Unit Hyd. peak (cms)= 0.23 0.10

 PEAK FLOW (cms)= 2.45 0.41 *TOTALS*
 TIME TO PEAK (hrs)= 1.25 1.38 2.729 (iii)
 RUNOFF VOLUME (mm)= 59.29 15.40 1.27
 TOTAL RAINFALL (mm)= 61.29 61.29 36.46
 RUNOFF COEFFICIENT = 0.97 0.25 61.29
 0.59

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
 (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
 (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)					OVERFLOW IS OFF				
IN= 2---> OUT= 1									
DT= 5.0 min									
					OUTFLOW	STORAGE	OUTFLOW	STORAGE	
					(cms)	(ha.m.)	(cms)	(ha.m.)	
					0.0000	0.0000	0.1330	0.5200	
					0.0380	0.2900	0.1650	0.5800	
					0.0680	0.3850	0.2000	0.6300	
					0.0940	0.4500	0.4800	1.1000	
					AREA	QPEAK	TPEAK	R.V.	
					(ha)	(cms)	(hrs)	(mm)	
INFLOW : ID= 2 (0201)					19.500	2.729	1.27	36.46	
OUTFLOW: ID= 1 (0001)					19.500	0.161	4.05	30.40	

PEAK FLOW REDUCTION [Qout/Qin](%)= 5.90
 TIME SHIFT OF PEAK FLOW (min)=167.00
 MAXIMUM STORAGE USED (ha.m.)= 0.5723

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB									
STANDHYD (0202)									
ID= 1 DT= 1.0 min									
					Area (ha)=	0.21			
					Total Imp(%)=	65.00	Dir. Conn.(%)=	65.00	
					IMPERVIOUS	PERVIOUS (i)			
Surface Area (ha)=					0.14	0.07			
Dep. Storage (mm)=					2.00	5.00			
Average slope (%)=					1.00	2.00			
Length (m)=					15.25	40.00			
Mannings n =					0.013	0.250			

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.20	1.017	100.60	2.017	9.38	3.02	5.93

0.033	6.20	1.033	100.60	2.033	9.38	3.03	5.93
0.050	6.20	1.050	100.60	2.050	9.38	3.05	5.93
0.067	6.20	1.067	100.60	2.067	9.38	3.07	5.93
0.083	6.20	1.083	100.60	2.083	9.38	3.08	5.93
0.100	6.20	1.100	100.60	2.100	9.38	3.10	5.93
0.117	6.20	1.117	100.60	2.117	9.38	3.12	5.93
0.133	6.20	1.133	100.60	2.133	9.38	3.13	5.93
0.150	6.20	1.150	100.60	2.150	9.38	3.15	5.93
0.167	6.20	1.167	100.60	2.167	9.38	3.17	5.93
0.183	6.20	1.183	100.60	2.183	9.38	3.18	5.93
0.200	6.20	1.200	100.60	2.200	9.38	3.20	5.93
0.217	6.20	1.217	100.60	2.217	9.38	3.22	5.93
0.233	6.20	1.233	100.60	2.233	9.38	3.23	5.93
0.250	6.20	1.250	100.60	2.250	9.38	3.25	5.93
0.267	7.63	1.267	23.02	2.267	8.10	3.27	5.48
0.283	7.63	1.283	23.02	2.283	8.10	3.28	5.48
0.300	7.63	1.300	23.02	2.300	8.10	3.30	5.48
0.317	7.63	1.317	23.02	2.317	8.10	3.32	5.48
0.333	7.63	1.333	23.02	2.333	8.10	3.33	5.48
0.350	7.63	1.350	23.02	2.350	8.10	3.35	5.48
0.367	7.63	1.367	23.02	2.367	8.10	3.37	5.48
0.383	7.63	1.383	23.02	2.383	8.10	3.38	5.48
0.400	7.63	1.400	23.02	2.400	8.10	3.40	5.48
0.417	7.63	1.417	23.02	2.417	8.10	3.42	5.48
0.433	7.63	1.433	23.02	2.433	8.10	3.43	5.48
0.450	7.63	1.450	23.02	2.450	8.10	3.45	5.48
0.467	7.63	1.467	23.02	2.467	8.10	3.47	5.48
0.483	7.63	1.483	23.02	2.483	8.10	3.48	5.48
0.500	7.63	1.500	23.02	2.500	8.10	3.50	5.48
0.517	10.34	1.517	14.72	2.517	7.18	3.52	5.11
0.533	10.34	1.533	14.72	2.533	7.18	3.53	5.11
0.550	10.34	1.550	14.72	2.550	7.18	3.55	5.11
0.567	10.34	1.567	14.72	2.567	7.18	3.57	5.11
0.583	10.34	1.583	14.72	2.583	7.18	3.58	5.11
0.600	10.34	1.600	14.72	2.600	7.18	3.60	5.11
0.617	10.34	1.617	14.72	2.617	7.18	3.62	5.11
0.633	10.34	1.633	14.72	2.633	7.18	3.63	5.11
0.650	10.34	1.650	14.72	2.650	7.18	3.65	5.11
0.667	10.34	1.667	14.72	2.667	7.18	3.67	5.11
0.683	10.34	1.683	14.72	2.683	7.18	3.68	5.11
0.700	10.34	1.700	14.72	2.700	7.18	3.70	5.11
0.717	10.34	1.717	14.72	2.717	7.18	3.72	5.11
0.733	10.34	1.733	14.72	2.733	7.18	3.73	5.11
0.750	10.34	1.750	14.72	2.750	7.18	3.75	5.11
0.767	18.86	1.767	11.32	2.767	6.48	3.77	4.80
0.783	18.86	1.783	11.32	2.783	6.48	3.78	4.80
0.800	18.86	1.800	11.32	2.800	6.48	3.80	4.80
0.817	18.86	1.817	11.32	2.817	6.48	3.82	4.80
0.833	18.86	1.833	11.32	2.833	6.48	3.83	4.80
0.850	18.86	1.850	11.32	2.850	6.48	3.85	4.80
0.867	18.86	1.867	11.32	2.867	6.48	3.87	4.80
0.883	18.86	1.883	11.32	2.883	6.48	3.88	4.80
0.900	18.86	1.900	11.32	2.900	6.48	3.90	4.80
0.917	18.86	1.917	11.32	2.917	6.48	3.92	4.80
0.933	18.86	1.933	11.32	2.933	6.48	3.93	4.80
0.950	18.86	1.950	11.32	2.950	6.48	3.95	4.80
0.967	18.86	1.967	11.32	2.967	6.48	3.97	4.80
0.983	18.86	1.983	11.32	2.983	6.48	3.98	4.80
1.000	18.86	2.000	11.32	3.000	6.48	4.00	4.80

Max.Eff.Inten.(mm/hr)=	100.60	17.97
over (min)	5.00	7.00
Storage Coeff. (min)=	0.82 (ii)	6.32 (ii)
Unit Hyd. Tpeak (min)=	5.00	7.00
Unit Hyd. peak (cms)=	0.50	0.17

PEAK FLOW (cms)=	0.04	0.00	*TOTALS*
TIME TO PEAK (hrs)=	1.23	1.30	0.041 (iii)
RUNOFF VOLUME (mm)=	59.29	11.62	1.25
TOTAL RAINFALL (mm)=	61.29	61.29	42.59
RUNOFF COEFFICIENT =	0.97	0.19	61.29
			0.69

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

1 + 2 = 3	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0001):	19.50	0.161	4.05	30.40
+ ID2= 2 (0202):	0.21	0.041	1.25	42.59
=====				
ID = 3 (0015):	19.71	0.163	4.00	30.53

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:1.6 Chicago 4hr 100yr **

CHICAGO STORM	IDF curve parameters: A= 690.327
Ptotal= 67.06 mm	B= 0.000
	C= 0.678

used in: INTENSITY = A / (t + B)^C

Duration of storm = 4.00 hrs
 Storm time step = 15.00 min
 Time to peak ratio = 0.33

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	6.78	1.00	110.07	2.00	10.26	3.00	6.49
0.25	8.35	1.25	25.19	2.25	8.86	3.25	6.00
0.50	11.31	1.50	16.11	2.50	7.86	3.50	5.59
0.75	20.64	1.75	12.39	2.75	7.09	3.75	5.25

CALIB	Area (ha)= 19.50
STANDHYD (0201)	Total Imp(%)= 62.00 Dir. Conn.(%)= 48.00
ID= 1 DT= 1.0 min	

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	12.09	7.41
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	298.34	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	6.78	1.017	110.07	2.017	10.26	3.02	6.49
0.033	6.78	1.033	110.07	2.033	10.26	3.03	6.49
0.050	6.78	1.050	110.07	2.050	10.26	3.05	6.49
0.067	6.78	1.067	110.07	2.067	10.26	3.07	6.49
0.083	6.78	1.083	110.07	2.083	10.26	3.08	6.49
0.100	6.78	1.100	110.07	2.100	10.26	3.10	6.49
0.117	6.78	1.117	110.07	2.117	10.26	3.12	6.49
0.133	6.78	1.133	110.07	2.133	10.26	3.13	6.49
0.150	6.78	1.150	110.07	2.150	10.26	3.15	6.49
0.167	6.78	1.167	110.07	2.167	10.26	3.17	6.49
0.183	6.78	1.183	110.07	2.183	10.26	3.18	6.49
0.200	6.78	1.200	110.07	2.200	10.26	3.20	6.49
0.217	6.78	1.217	110.07	2.217	10.26	3.22	6.49
0.233	6.78	1.233	110.07	2.233	10.26	3.23	6.49
0.250	6.78	1.250	110.07	2.250	10.26	3.25	6.49
0.267	8.35	1.267	25.19	2.267	8.86	3.27	6.00
0.283	8.35	1.283	25.19	2.283	8.86	3.28	6.00
0.300	8.35	1.300	25.19	2.300	8.86	3.30	6.00
0.317	8.35	1.317	25.19	2.317	8.86	3.32	6.00
0.333	8.35	1.333	25.19	2.333	8.86	3.33	6.00
0.350	8.35	1.350	25.19	2.350	8.86	3.35	6.00
0.367	8.35	1.367	25.19	2.367	8.86	3.37	6.00
0.383	8.35	1.383	25.19	2.383	8.86	3.38	6.00
0.400	8.35	1.400	25.19	2.400	8.86	3.40	6.00
0.417	8.35	1.417	25.19	2.417	8.86	3.42	6.00
0.433	8.35	1.433	25.19	2.433	8.86	3.43	6.00
0.450	8.35	1.450	25.19	2.450	8.86	3.45	6.00
0.467	8.35	1.467	25.19	2.467	8.86	3.47	6.00
0.483	8.35	1.483	25.19	2.483	8.86	3.48	6.00
0.500	8.35	1.500	25.19	2.500	8.86	3.50	6.00
0.517	11.31	1.517	16.11	2.517	7.86	3.52	5.59
0.533	11.31	1.533	16.11	2.533	7.86	3.53	5.59
0.550	11.31	1.550	16.11	2.550	7.86	3.55	5.59
0.567	11.31	1.567	16.11	2.567	7.86	3.57	5.59
0.583	11.31	1.583	16.11	2.583	7.86	3.58	5.59

0.600	11.31	1.600	16.11	2.600	7.86	3.60	5.59
0.617	11.31	1.617	16.11	2.617	7.86	3.62	5.59
0.633	11.31	1.633	16.11	2.633	7.86	3.63	5.59
0.650	11.31	1.650	16.11	2.650	7.86	3.65	5.59
0.667	11.31	1.667	16.11	2.667	7.86	3.67	5.59
0.683	11.31	1.683	16.11	2.683	7.86	3.68	5.59
0.700	11.31	1.700	16.11	2.700	7.86	3.70	5.59
0.717	11.31	1.717	16.11	2.717	7.86	3.72	5.59
0.733	11.31	1.733	16.11	2.733	7.86	3.73	5.59
0.750	11.31	1.750	16.11	2.750	7.86	3.75	5.59
0.767	20.64	1.767	12.39	2.767	7.09	3.77	5.25
0.783	20.64	1.783	12.39	2.783	7.09	3.78	5.25
0.800	20.64	1.800	12.39	2.800	7.09	3.80	5.25
0.817	20.64	1.817	12.39	2.817	7.09	3.82	5.25
0.833	20.64	1.833	12.39	2.833	7.09	3.83	5.25
0.850	20.64	1.850	12.39	2.850	7.09	3.85	5.25
0.867	20.64	1.867	12.39	2.867	7.09	3.87	5.25
0.883	20.64	1.883	12.39	2.883	7.09	3.88	5.25
0.900	20.64	1.900	12.39	2.900	7.09	3.90	5.25
0.917	20.64	1.917	12.39	2.917	7.09	3.92	5.25
0.933	20.64	1.933	12.39	2.933	7.09	3.93	5.25
0.950	20.64	1.950	12.39	2.950	7.09	3.95	5.25
0.967	20.64	1.967	12.39	2.967	7.09	3.97	5.25
0.983	20.64	1.983	12.39	2.983	7.09	3.98	5.25
1.000	20.64	2.000	12.39	3.000	7.09	4.00	5.25

Max.Eff.Inten.(mm/hr)= 110.07 39.82
over (min) 5.00 11.00
Storage Coeff. (min)= 4.74 (ii) 10.92 (ii)
Unit Hyd. Tpeak (min)= 5.00 11.00
Unit Hyd. peak (cms)= 0.23 0.10

TOTALS

PEAK FLOW (cms)= 2.70 0.50 3.061 (iii)
TIME TO PEAK (hrs)= 1.25 1.37 1.27
RUNOFF VOLUME (mm)= 65.06 18.15 40.66
TOTAL RAINFALL (mm)= 67.06 67.06 67.06
RUNOFF COEFFICIENT = 0.97 0.27 0.61

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)		OVERFLOW IS OFF			
IN= 2---> OUT= 1					
DT= 5.0 min					
		OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
		0.0000	0.0000	0.1330	0.5200
		0.0380	0.2900	0.1650	0.5800
		0.0680	0.3850	0.2000	0.6300
		0.0940	0.4500	0.4800	1.1000
		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)		19.500	3.061	1.27	40.66
OUTFLOW: ID= 1 (0001)		19.500	0.196	4.03	34.38

PEAK FLOW REDUCTION [Qout/Qin](%)= 6.39
TIME SHIFT OF PEAK FLOW (min)=166.00
MAXIMUM STORAGE USED (ha.m.)= 0.6236

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB					
STANDHYD (0202)					
ID= 1 DT= 1.0 min					
		Area (ha)=	0.21		
		Total Imp(%)=	65.00	Dir. Conn.(%)=	65.00
		IMPERVIOUS	PERVIOUS (i)		
Surface Area (ha)=		0.14	0.07		
Dep. Storage (mm)=		2.00	5.00		
Average slope (%)=		1.00	2.00		
Length (m)=		15.25	40.00		
Mannings n =		0.013	0.250		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----
TIME RAIN | TIME RAIN | TIME RAIN | TIME RAIN

hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.78	1.017	110.07	2.017	10.26	3.02	6.49
0.033	6.78	1.033	110.07	2.033	10.26	3.03	6.49
0.050	6.78	1.050	110.07	2.050	10.26	3.05	6.49
0.067	6.78	1.067	110.07	2.067	10.26	3.07	6.49
0.083	6.78	1.083	110.07	2.083	10.26	3.08	6.49
0.100	6.78	1.100	110.07	2.100	10.26	3.10	6.49
0.117	6.78	1.117	110.07	2.117	10.26	3.12	6.49
0.133	6.78	1.133	110.07	2.133	10.26	3.13	6.49
0.150	6.78	1.150	110.07	2.150	10.26	3.15	6.49
0.167	6.78	1.167	110.07	2.167	10.26	3.17	6.49
0.183	6.78	1.183	110.07	2.183	10.26	3.18	6.49
0.200	6.78	1.200	110.07	2.200	10.26	3.20	6.49
0.217	6.78	1.217	110.07	2.217	10.26	3.22	6.49
0.233	6.78	1.233	110.07	2.233	10.26	3.23	6.49
0.250	6.78	1.250	110.07	2.250	10.26	3.25	6.49
0.267	8.35	1.267	25.19	2.267	8.86	3.27	6.00
0.283	8.35	1.283	25.19	2.283	8.86	3.28	6.00
0.300	8.35	1.300	25.19	2.300	8.86	3.30	6.00
0.317	8.35	1.317	25.19	2.317	8.86	3.32	6.00
0.333	8.35	1.333	25.19	2.333	8.86	3.33	6.00
0.350	8.35	1.350	25.19	2.350	8.86	3.35	6.00
0.367	8.35	1.367	25.19	2.367	8.86	3.37	6.00
0.383	8.35	1.383	25.19	2.383	8.86	3.38	6.00
0.400	8.35	1.400	25.19	2.400	8.86	3.40	6.00
0.417	8.35	1.417	25.19	2.417	8.86	3.42	6.00
0.433	8.35	1.433	25.19	2.433	8.86	3.43	6.00
0.450	8.35	1.450	25.19	2.450	8.86	3.45	6.00
0.467	8.35	1.467	25.19	2.467	8.86	3.47	6.00
0.483	8.35	1.483	25.19	2.483	8.86	3.48	6.00
0.500	8.35	1.500	25.19	2.500	8.86	3.50	6.00
0.517	11.31	1.517	16.11	2.517	7.86	3.52	5.59
0.533	11.31	1.533	16.11	2.533	7.86	3.53	5.59
0.550	11.31	1.550	16.11	2.550	7.86	3.55	5.59
0.567	11.31	1.567	16.11	2.567	7.86	3.57	5.59
0.583	11.31	1.583	16.11	2.583	7.86	3.58	5.59
0.600	11.31	1.600	16.11	2.600	7.86	3.60	5.59
0.617	11.31	1.617	16.11	2.617	7.86	3.62	5.59
0.633	11.31	1.633	16.11	2.633	7.86	3.63	5.59
0.650	11.31	1.650	16.11	2.650	7.86	3.65	5.59
0.667	11.31	1.667	16.11	2.667	7.86	3.67	5.59
0.683	11.31	1.683	16.11	2.683	7.86	3.68	5.59
0.700	11.31	1.700	16.11	2.700	7.86	3.70	5.59
0.717	11.31	1.717	16.11	2.717	7.86	3.72	5.59
0.733	11.31	1.733	16.11	2.733	7.86	3.73	5.59
0.750	11.31	1.750	16.11	2.750	7.86	3.75	5.59
0.767	20.64	1.767	12.39	2.767	7.09	3.77	5.25
0.783	20.64	1.783	12.39	2.783	7.09	3.78	5.25
0.800	20.64	1.800	12.39	2.800	7.09	3.80	5.25
0.817	20.64	1.817	12.39	2.817	7.09	3.82	5.25
0.833	20.64	1.833	12.39	2.833	7.09	3.83	5.25
0.850	20.64	1.850	12.39	2.850	7.09	3.85	5.25
0.867	20.64	1.867	12.39	2.867	7.09	3.87	5.25
0.883	20.64	1.883	12.39	2.883	7.09	3.88	5.25
0.900	20.64	1.900	12.39	2.900	7.09	3.90	5.25
0.917	20.64	1.917	12.39	2.917	7.09	3.92	5.25
0.933	20.64	1.933	12.39	2.933	7.09	3.93	5.25
0.950	20.64	1.950	12.39	2.950	7.09	3.95	5.25
0.967	20.64	1.967	12.39	2.967	7.09	3.97	5.25
0.983	20.64	1.983	12.39	2.983	7.09	3.98	5.25
1.000	20.64	2.000	12.39	3.000	7.09	4.00	5.25

Max.Eff.Inten.(mm/hr)= 110.07 21.58
 over (min) 5.00 7.00
 Storage Coeff. (min)= 0.80 (ii) 6.10 (ii)
 Unit Hyd. Tpeak (min)= 5.00 7.00
 Unit Hyd. peak (cms)= 0.50 0.18

TOTALS

PEAK FLOW (cms)= 0.04 0.00 0.045 (iii)
 TIME TO PEAK (hrs)= 1.23 1.30 1.25
 RUNOFF VOLUME (mm)= 65.06 13.83 47.11
 TOTAL RAINFALL (mm)= 67.06 67.06 67.06
 RUNOFF COEFFICIENT = 0.97 0.21 0.70

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

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-----
| ADD HYD ( 0015) |
| 1 + 2 = 3 |
-----
      AREA      QPEAK      TPEAK      R.V.
      (ha)      (cms)      (hrs)      (mm)
ID1= 1 ( 0001):  19.50  0.196  4.03  34.38
+ ID2= 2 ( 0202):   0.21  0.045  1.25  47.11
=====
ID = 3 ( 0015):  19.71  0.198  4.00  34.51

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NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

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*****
** SIMULATION:2.1 SCS II 6hr 2yr **
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| MASS STORM |      Filename: C:\Users\rbrockie\AppData
|             |      ata\Local\Temp\
|             |      ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\7533ee87
| Ptotal= 36.21 mm |      Comments: SCS 6 HOUR TYPE II STORM DISTRIBUTION
-----

Duration of storm      = 6.00 hrs
Mass curve time step   = 30.00 min
New Storm time step    = 15.00 min

```

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.72	1.50	2.90	3.00	23.17	4.50	2.53
0.25	1.45	1.75	2.90	3.25	9.41	4.75	2.17
0.50	1.45	2.00	3.98	3.50	6.88	5.00	1.81
0.75	1.45	2.25	5.07	3.75	4.35	5.25	1.45
1.00	2.17	2.50	21.00	4.00	3.62	5.50	1.45
1.25	2.90	2.75	36.93	4.25	2.90	5.75	1.45

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| CALIB |
| STANDHYD ( 0201) |      Area (ha)= 19.50
| ID= 1 DT= 1.0 min |      Total Imp(%)= 62.00      Dir. Conn.(%)= 48.00
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		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	12.09	7.41
Dep. Storage	(mm)=	2.00	5.00
Average slope	(%)=	1.00	2.00
Length	(m)=	298.34	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

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-----
      TIME      RAIN      TIME      RAIN      TIME      RAIN      TIME      RAIN
      hrs      mm/hr     hrs      mm/hr     hrs      mm/hr     hrs      mm/hr
-----
0.017  0.72  1.517  2.90  3.017  23.18  4.52  2.53
0.033  0.72  1.533  2.90  3.033  23.17  4.53  2.53
0.050  0.72  1.550  2.90  3.050  23.17  4.55  2.53
0.067  0.72  1.567  2.90  3.067  23.17  4.57  2.53
0.083  0.72  1.583  2.90  3.083  23.17  4.58  2.53
0.100  0.72  1.600  2.90  3.100  23.17  4.60  2.53
0.117  0.72  1.617  2.90  3.117  23.17  4.62  2.53
0.133  0.72  1.633  2.90  3.133  23.17  4.63  2.53
0.150  0.72  1.650  2.90  3.150  23.17  4.65  2.53
0.167  0.72  1.667  2.90  3.167  23.17  4.67  2.53
0.183  0.72  1.683  2.90  3.183  23.17  4.68  2.53
0.200  0.72  1.700  2.90  3.200  23.17  4.70  2.53
0.217  0.72  1.717  2.90  3.217  23.17  4.72  2.53
0.233  0.72  1.733  2.90  3.233  23.17  4.73  2.53
0.250  0.72  1.750  2.90  3.250  23.17  4.75  2.53
0.267  1.45  1.767  2.90  3.267  9.42  4.77  2.17
0.283  1.45  1.783  2.90  3.283  9.41  4.78  2.17
0.300  1.45  1.800  2.90  3.300  9.41  4.80  2.17
0.317  1.45  1.817  2.90  3.317  9.41  4.82  2.17
0.333  1.45  1.833  2.90  3.333  9.41  4.83  2.17
0.350  1.45  1.850  2.90  3.350  9.41  4.85  2.17
0.367  1.45  1.867  2.90  3.367  9.41  4.87  2.17
0.383  1.45  1.883  2.90  3.383  9.41  4.88  2.17
0.400  1.45  1.900  2.90  3.400  9.41  4.90  2.17
0.417  1.45  1.917  2.90  3.417  9.41  4.92  2.17
0.433  1.45  1.933  2.90  3.433  9.41  4.93  2.17
0.450  1.45  1.950  2.90  3.450  9.41  4.95  2.17
0.467  1.45  1.967  2.90  3.467  9.41  4.97  2.17
0.483  1.45  1.983  2.90  3.483  9.41  4.98  2.17
0.500  1.45  2.000  2.90  3.500  9.41  5.00  2.17
0.517  1.45  2.017  3.98  3.517  6.88  5.02  1.81

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0.533	1.45	2.033	3.98	3.533	6.88	5.03	1.81
0.550	1.45	2.050	3.98	3.550	6.88	5.05	1.81
0.567	1.45	2.067	3.98	3.567	6.88	5.07	1.81
0.583	1.45	2.083	3.98	3.583	6.88	5.08	1.81
0.600	1.45	2.100	3.98	3.600	6.88	5.10	1.81
0.617	1.45	2.117	3.98	3.617	6.88	5.12	1.81
0.633	1.45	2.133	3.98	3.633	6.88	5.13	1.81
0.650	1.45	2.150	3.98	3.650	6.88	5.15	1.81
0.667	1.45	2.167	3.98	3.667	6.88	5.17	1.81
0.683	1.45	2.183	3.98	3.683	6.88	5.18	1.81
0.700	1.45	2.200	3.98	3.700	6.88	5.20	1.81
0.717	1.45	2.217	3.98	3.717	6.88	5.22	1.81
0.733	1.45	2.233	3.98	3.733	6.88	5.23	1.81
0.750	1.45	2.250	3.98	3.750	6.88	5.25	1.81
0.767	1.45	2.267	5.07	3.767	4.35	5.27	1.45
0.783	1.45	2.283	5.07	3.783	4.35	5.28	1.45
0.800	1.45	2.300	5.07	3.800	4.35	5.30	1.45
0.817	1.45	2.317	5.07	3.817	4.35	5.32	1.45
0.833	1.45	2.333	5.07	3.833	4.35	5.33	1.45
0.850	1.45	2.350	5.07	3.850	4.35	5.35	1.45
0.867	1.45	2.367	5.07	3.867	4.35	5.37	1.45
0.883	1.45	2.383	5.07	3.883	4.35	5.38	1.45
0.900	1.45	2.400	5.07	3.900	4.35	5.40	1.45
0.917	1.45	2.417	5.07	3.917	4.35	5.42	1.45
0.933	1.45	2.433	5.07	3.933	4.35	5.43	1.45
0.950	1.45	2.450	5.07	3.950	4.35	5.45	1.45
0.967	1.45	2.467	5.07	3.967	4.35	5.47	1.45
0.983	1.45	2.483	5.07	3.983	4.35	5.48	1.45
1.000	1.45	2.500	5.07	4.000	4.35	5.50	1.45
1.017	2.17	2.517	21.00	4.017	3.62	5.52	1.45
1.033	2.17	2.533	21.00	4.033	3.62	5.53	1.45
1.050	2.17	2.550	21.00	4.050	3.62	5.55	1.45
1.067	2.17	2.567	21.00	4.067	3.62	5.57	1.45
1.083	2.17	2.583	21.00	4.083	3.62	5.58	1.45
1.100	2.17	2.600	21.00	4.100	3.62	5.60	1.45
1.117	2.17	2.617	21.00	4.117	3.62	5.62	1.45
1.133	2.17	2.633	21.00	4.133	3.62	5.63	1.45
1.150	2.17	2.650	21.00	4.150	3.62	5.65	1.45
1.167	2.17	2.667	21.00	4.167	3.62	5.67	1.45
1.183	2.17	2.683	21.00	4.183	3.62	5.68	1.45
1.200	2.17	2.700	21.00	4.200	3.62	5.70	1.45
1.217	2.17	2.717	21.00	4.217	3.62	5.72	1.45
1.233	2.17	2.733	21.00	4.233	3.62	5.73	1.45
1.250	2.17	2.750	21.00	4.250	3.62	5.75	1.45
1.267	2.90	2.767	36.93	4.267	2.90	5.77	1.45
1.283	2.90	2.783	36.93	4.283	2.90	5.78	1.45
1.300	2.90	2.800	36.93	4.300	2.90	5.80	1.45
1.317	2.90	2.817	36.93	4.317	2.90	5.82	1.45
1.333	2.90	2.833	36.93	4.333	2.90	5.83	1.45
1.350	2.90	2.850	36.93	4.350	2.90	5.85	1.45
1.367	2.90	2.867	36.93	4.367	2.90	5.87	1.45
1.383	2.90	2.883	36.93	4.383	2.90	5.88	1.45
1.400	2.90	2.900	36.93	4.400	2.90	5.90	1.45
1.417	2.90	2.917	36.93	4.417	2.90	5.92	1.45
1.433	2.90	2.933	36.93	4.433	2.90	5.93	1.45
1.450	2.90	2.950	36.93	4.450	2.90	5.95	1.45
1.467	2.90	2.967	36.93	4.467	2.90	5.97	1.45
1.483	2.90	2.983	36.93	4.483	2.90	5.98	1.45
1.500	2.90	3.000	36.93	4.500	2.90	6.00	1.45

Max.Eff.Inten.(mm/hr)=	36.93	7.22	
over (min)	7.00	28.00	
Storage Coeff. (min)=	7.33 (ii)	27.53 (ii)	
Unit Hyd. Tpeak (min)=	7.00	28.00	
Unit Hyd. peak (cms)=	0.16	0.04	
			TOTALS
PEAK FLOW (cms)=	0.87	0.09	0.900 (iii)
TIME TO PEAK (hrs)=	3.03	3.57	3.03
RUNOFF VOLUME (mm)=	34.03	5.50	19.19
TOTAL RAINFALL (mm)=	36.03	36.03	36.03
RUNOFF COEFFICIENT =	0.94	0.15	0.53

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)	OVERFLOW IS OFF		
IN= 2---> OUT= 1			
DT= 5.0 min	OUTFLOW	STORAGE	OUTFLOW STORAGE

(cms)	(ha.m.)	(cms)	(ha.m.)
0.0000	0.0000	0.1330	0.5200
0.0380	0.2900	0.1650	0.5800
0.0680	0.3850	0.2000	0.6300
0.0940	0.4500	0.4800	1.1000

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)	19.500	0.900	3.03	19.19
OUTFLOW: ID= 1 (0001)	19.500	0.048	6.07	14.59

PEAK FLOW REDUCTION [Qout/Qin](%)= 5.38
TIME SHIFT OF PEAK FLOW (min)=182.00
MAXIMUM STORAGE USED (ha.m.)= 0.3230

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB STANDHYD (0202) ID= 1 DT= 1.0 min	Area (ha)= 0.21 Total Imp(%)= 65.00	Dir. Conn.(%)= 65.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.14	0.07
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	15.25	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.72	1.517	2.90	3.017	23.18	4.52	2.53
0.033	0.72	1.533	2.90	3.033	23.17	4.53	2.53
0.050	0.72	1.550	2.90	3.050	23.17	4.55	2.53
0.067	0.72	1.567	2.90	3.067	23.17	4.57	2.53
0.083	0.72	1.583	2.90	3.083	23.17	4.58	2.53
0.100	0.72	1.600	2.90	3.100	23.17	4.60	2.53
0.117	0.72	1.617	2.90	3.117	23.17	4.62	2.53
0.133	0.72	1.633	2.90	3.133	23.17	4.63	2.53
0.150	0.72	1.650	2.90	3.150	23.17	4.65	2.53
0.167	0.72	1.667	2.90	3.167	23.17	4.67	2.53
0.183	0.72	1.683	2.90	3.183	23.17	4.68	2.53
0.200	0.72	1.700	2.90	3.200	23.17	4.70	2.53
0.217	0.72	1.717	2.90	3.217	23.17	4.72	2.53
0.233	0.72	1.733	2.90	3.233	23.17	4.73	2.53
0.250	0.72	1.750	2.90	3.250	23.17	4.75	2.53
0.267	1.45	1.767	2.90	3.267	9.42	4.77	2.17
0.283	1.45	1.783	2.90	3.283	9.41	4.78	2.17
0.300	1.45	1.800	2.90	3.300	9.41	4.80	2.17
0.317	1.45	1.817	2.90	3.317	9.41	4.82	2.17
0.333	1.45	1.833	2.90	3.333	9.41	4.83	2.17
0.350	1.45	1.850	2.90	3.350	9.41	4.85	2.17
0.367	1.45	1.867	2.90	3.367	9.41	4.87	2.17
0.383	1.45	1.883	2.90	3.383	9.41	4.88	2.17
0.400	1.45	1.900	2.90	3.400	9.41	4.90	2.17
0.417	1.45	1.917	2.90	3.417	9.41	4.92	2.17
0.433	1.45	1.933	2.90	3.433	9.41	4.93	2.17
0.450	1.45	1.950	2.90	3.450	9.41	4.95	2.17
0.467	1.45	1.967	2.90	3.467	9.41	4.97	2.17
0.483	1.45	1.983	2.90	3.483	9.41	4.98	2.17
0.500	1.45	2.000	2.90	3.500	9.41	5.00	2.17
0.517	1.45	2.017	3.98	3.517	6.88	5.02	1.81
0.533	1.45	2.033	3.98	3.533	6.88	5.03	1.81
0.550	1.45	2.050	3.98	3.550	6.88	5.05	1.81
0.567	1.45	2.067	3.98	3.567	6.88	5.07	1.81
0.583	1.45	2.083	3.98	3.583	6.88	5.08	1.81
0.600	1.45	2.100	3.98	3.600	6.88	5.10	1.81
0.617	1.45	2.117	3.98	3.617	6.88	5.12	1.81
0.633	1.45	2.133	3.98	3.633	6.88	5.13	1.81
0.650	1.45	2.150	3.98	3.650	6.88	5.15	1.81
0.667	1.45	2.167	3.98	3.667	6.88	5.17	1.81
0.683	1.45	2.183	3.98	3.683	6.88	5.18	1.81
0.700	1.45	2.200	3.98	3.700	6.88	5.20	1.81
0.717	1.45	2.217	3.98	3.717	6.88	5.22	1.81
0.733	1.45	2.233	3.98	3.733	6.88	5.23	1.81
0.750	1.45	2.250	3.98	3.750	6.88	5.25	1.81
0.767	1.45	2.267	5.07	3.767	4.35	5.27	1.45
0.783	1.45	2.283	5.07	3.783	4.35	5.28	1.45
0.800	1.45	2.300	5.07	3.800	4.35	5.30	1.45
0.817	1.45	2.317	5.07	3.817	4.35	5.32	1.45

0.833	1.45	2.333	5.07	3.833	4.35	5.33	1.45
0.850	1.45	2.350	5.07	3.850	4.35	5.35	1.45
0.867	1.45	2.367	5.07	3.867	4.35	5.37	1.45
0.883	1.45	2.383	5.07	3.883	4.35	5.38	1.45
0.900	1.45	2.400	5.07	3.900	4.35	5.40	1.45
0.917	1.45	2.417	5.07	3.917	4.35	5.42	1.45
0.933	1.45	2.433	5.07	3.933	4.35	5.43	1.45
0.950	1.45	2.450	5.07	3.950	4.35	5.45	1.45
0.967	1.45	2.467	5.07	3.967	4.35	5.47	1.45
0.983	1.45	2.483	5.07	3.983	4.35	5.48	1.45
1.000	1.45	2.500	5.07	4.000	4.35	5.50	1.45
1.017	2.17	2.517	21.00	4.017	3.62	5.52	1.45
1.033	2.17	2.533	21.00	4.033	3.62	5.53	1.45
1.050	2.17	2.550	21.00	4.050	3.62	5.55	1.45
1.067	2.17	2.567	21.00	4.067	3.62	5.57	1.45
1.083	2.17	2.583	21.00	4.083	3.62	5.58	1.45
1.100	2.17	2.600	21.00	4.100	3.62	5.60	1.45
1.117	2.17	2.617	21.00	4.117	3.62	5.62	1.45
1.133	2.17	2.633	21.00	4.133	3.62	5.63	1.45
1.150	2.17	2.650	21.00	4.150	3.62	5.65	1.45
1.167	2.17	2.667	21.00	4.167	3.62	5.67	1.45
1.183	2.17	2.683	21.00	4.183	3.62	5.68	1.45
1.200	2.17	2.700	21.00	4.200	3.62	5.70	1.45
1.217	2.17	2.717	21.00	4.217	3.62	5.72	1.45
1.233	2.17	2.733	21.00	4.233	3.62	5.73	1.45
1.250	2.17	2.750	21.00	4.250	3.62	5.75	1.45
1.267	2.90	2.767	36.93	4.267	2.90	5.77	1.45
1.283	2.90	2.783	36.93	4.283	2.90	5.78	1.45
1.300	2.90	2.800	36.93	4.300	2.90	5.80	1.45
1.317	2.90	2.817	36.93	4.317	2.90	5.82	1.45
1.333	2.90	2.833	36.93	4.333	2.90	5.83	1.45
1.350	2.90	2.850	36.93	4.350	2.90	5.85	1.45
1.367	2.90	2.867	36.93	4.367	2.90	5.87	1.45
1.383	2.90	2.883	36.93	4.383	2.90	5.88	1.45
1.400	2.90	2.900	36.93	4.400	2.90	5.90	1.45
1.417	2.90	2.917	36.93	4.417	2.90	5.92	1.45
1.433	2.90	2.933	36.93	4.433	2.90	5.93	1.45
1.450	2.90	2.950	36.93	4.450	2.90	5.95	1.45
1.467	2.90	2.967	36.93	4.467	2.90	5.97	1.45
1.483	2.90	2.983	36.93	4.483	2.90	5.98	1.45
1.500	2.90	3.000	36.93	4.500	2.90	6.00	1.45

Max.Eff.Inten.(mm/hr)=	36.93	3.96	
over (min)	5.00	10.00	
Storage Coeff. (min)=	1.23 (ii)	9.44 (ii)	
Unit Hyd. Tpeak (min)=	5.00	10.00	
Unit Hyd. peak (cms)=	0.45	0.12	
			TOTALS
PEAK FLOW (cms)=	0.01	0.00	0.014 (iii)
TIME TO PEAK (hrs)=	3.00	3.28	3.00
RUNOFF VOLUME (mm)=	34.03	3.89	23.46
TOTAL RAINFALL (mm)=	36.03	36.03	36.03
RUNOFF COEFFICIENT =	0.94	0.11	0.65

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)				
1 + 2 = 3				
ID1= 1 (0001):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
+ ID2= 2 (0202):	19.50	0.048	6.07	14.59
	0.21	0.014	3.00	23.46
ID = 3 (0015):	19.71	0.049	6.00	14.68

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:2.2 SCS II 6hr 5yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData
	Local\Temp\
	ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\c28ef418
Ptotal= 47.09 mm	Comments: SCS 6 HOUR TYPE II STORM DISTRIBUTION
	Duration of storm = 6.00 hrs

Mass curve time step = 30.00 min
New Storm time step = 15.00 min

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.94	1.50	3.77	3.00	30.14	4.50	3.30
0.25	1.88	1.75	3.77	3.25	12.24	4.75	2.83
0.50	1.88	2.00	5.18	3.50	8.95	5.00	2.35
0.75	1.88	2.25	6.59	3.75	5.65	5.25	1.88
1.00	2.83	2.50	27.31	4.00	4.71	5.50	1.88
1.25	3.77	2.75	48.03	4.25	3.77	5.75	1.88

CALIB
STANDHYD (0201)
ID= 1 DT= 1.0 min

Area (ha)= 19.50
Total Imp(%)= 62.00 Dir. Conn.(%)= 48.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	12.09	7.41
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	298.34	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.94	1.517	3.77	3.017	30.14	4.52	3.30
0.033	0.94	1.533	3.77	3.033	30.14	4.53	3.30
0.050	0.94	1.550	3.77	3.050	30.14	4.55	3.30
0.067	0.94	1.567	3.77	3.067	30.14	4.57	3.30
0.083	0.94	1.583	3.77	3.083	30.14	4.58	3.30
0.100	0.94	1.600	3.77	3.100	30.14	4.60	3.30
0.117	0.94	1.617	3.77	3.117	30.14	4.62	3.30
0.133	0.94	1.633	3.77	3.133	30.14	4.63	3.30
0.150	0.94	1.650	3.77	3.150	30.14	4.65	3.30
0.167	0.94	1.667	3.77	3.167	30.14	4.67	3.30
0.183	0.94	1.683	3.77	3.183	30.14	4.68	3.30
0.200	0.94	1.700	3.77	3.200	30.14	4.70	3.30
0.217	0.94	1.717	3.77	3.217	30.14	4.72	3.30
0.233	0.94	1.733	3.77	3.233	30.14	4.73	3.30
0.250	0.94	1.750	3.77	3.250	30.14	4.75	3.30
0.267	1.88	1.767	3.77	3.267	12.25	4.77	2.83
0.283	1.88	1.783	3.77	3.283	12.24	4.78	2.83
0.300	1.88	1.800	3.77	3.300	12.24	4.80	2.83
0.317	1.88	1.817	3.77	3.317	12.24	4.82	2.83
0.333	1.88	1.833	3.77	3.333	12.24	4.83	2.83
0.350	1.88	1.850	3.77	3.350	12.24	4.85	2.83
0.367	1.88	1.867	3.77	3.367	12.24	4.87	2.83
0.383	1.88	1.883	3.77	3.383	12.24	4.88	2.83
0.400	1.88	1.900	3.77	3.400	12.24	4.90	2.83
0.417	1.88	1.917	3.77	3.417	12.24	4.92	2.83
0.433	1.88	1.933	3.77	3.433	12.24	4.93	2.83
0.450	1.88	1.950	3.77	3.450	12.24	4.95	2.83
0.467	1.88	1.967	3.77	3.467	12.24	4.97	2.83
0.483	1.88	1.983	3.77	3.483	12.24	4.98	2.83
0.500	1.88	2.000	3.77	3.500	12.24	5.00	2.83
0.517	1.88	2.017	5.18	3.517	8.95	5.02	2.35
0.533	1.88	2.033	5.18	3.533	8.95	5.03	2.35
0.550	1.88	2.050	5.18	3.550	8.95	5.05	2.35
0.567	1.88	2.067	5.18	3.567	8.95	5.07	2.35
0.583	1.88	2.083	5.18	3.583	8.95	5.08	2.35
0.600	1.88	2.100	5.18	3.600	8.95	5.10	2.35
0.617	1.88	2.117	5.18	3.617	8.95	5.12	2.35
0.633	1.88	2.133	5.18	3.633	8.95	5.13	2.35
0.650	1.88	2.150	5.18	3.650	8.95	5.15	2.35
0.667	1.88	2.167	5.18	3.667	8.95	5.17	2.35
0.683	1.88	2.183	5.18	3.683	8.95	5.18	2.35
0.700	1.88	2.200	5.18	3.700	8.95	5.20	2.35
0.717	1.88	2.217	5.18	3.717	8.95	5.22	2.35
0.733	1.88	2.233	5.18	3.733	8.95	5.23	2.35
0.750	1.88	2.250	5.18	3.750	8.95	5.25	2.35
0.767	1.88	2.267	6.59	3.767	5.65	5.27	1.88
0.783	1.88	2.283	6.59	3.783	5.65	5.28	1.88
0.800	1.88	2.300	6.59	3.800	5.65	5.30	1.88
0.817	1.88	2.317	6.59	3.817	5.65	5.32	1.88
0.833	1.88	2.333	6.59	3.833	5.65	5.33	1.88
0.850	1.88	2.350	6.59	3.850	5.65	5.35	1.88
0.867	1.88	2.367	6.59	3.867	5.65	5.37	1.88

0.883	1.88	2.383	6.59	3.883	5.65	5.38	1.88
0.900	1.88	2.400	6.59	3.900	5.65	5.40	1.88
0.917	1.88	2.417	6.59	3.917	5.65	5.42	1.88
0.933	1.88	2.433	6.59	3.933	5.65	5.43	1.88
0.950	1.88	2.450	6.59	3.950	5.65	5.45	1.88
0.967	1.88	2.467	6.59	3.967	5.65	5.47	1.88
0.983	1.88	2.483	6.59	3.983	5.65	5.48	1.88
1.000	1.88	2.500	6.59	4.000	5.65	5.50	1.88
1.017	2.83	2.517	27.31	4.017	4.71	5.52	1.88
1.033	2.83	2.533	27.31	4.033	4.71	5.53	1.88
1.050	2.83	2.550	27.31	4.050	4.71	5.55	1.88
1.067	2.83	2.567	27.31	4.067	4.71	5.57	1.88
1.083	2.83	2.583	27.31	4.083	4.71	5.58	1.88
1.100	2.83	2.600	27.31	4.100	4.71	5.60	1.88
1.117	2.83	2.617	27.31	4.117	4.71	5.62	1.88
1.133	2.83	2.633	27.31	4.133	4.71	5.63	1.88
1.150	2.83	2.650	27.31	4.150	4.71	5.65	1.88
1.167	2.83	2.667	27.31	4.167	4.71	5.67	1.88
1.183	2.83	2.683	27.31	4.183	4.71	5.68	1.88
1.200	2.83	2.700	27.31	4.200	4.71	5.70	1.88
1.217	2.83	2.717	27.31	4.217	4.71	5.72	1.88
1.233	2.83	2.733	27.31	4.233	4.71	5.73	1.88
1.250	2.83	2.750	27.31	4.250	4.71	5.75	1.88
1.267	3.77	2.767	48.03	4.267	3.77	5.77	1.88
1.283	3.77	2.783	48.03	4.283	3.77	5.78	1.88
1.300	3.77	2.800	48.03	4.300	3.77	5.80	1.88
1.317	3.77	2.817	48.03	4.317	3.77	5.82	1.88
1.333	3.77	2.833	48.03	4.333	3.77	5.83	1.88
1.350	3.77	2.850	48.03	4.350	3.77	5.85	1.88
1.367	3.77	2.867	48.03	4.367	3.77	5.87	1.88
1.383	3.77	2.883	48.03	4.383	3.77	5.88	1.88
1.400	3.77	2.900	48.03	4.400	3.77	5.90	1.88
1.417	3.77	2.917	48.03	4.417	3.77	5.92	1.88
1.433	3.77	2.933	48.03	4.433	3.77	5.93	1.88
1.450	3.77	2.950	48.03	4.450	3.77	5.95	1.88
1.467	3.77	2.967	48.03	4.467	3.77	5.97	1.88
1.483	3.77	2.983	48.03	4.483	3.77	5.98	1.88
1.500	3.77	3.000	48.03	4.500	3.77	6.00	1.88

Max.Eff.Inten.(mm/hr)=	48.03	13.50	
over (min)	7.00	16.00	
Storage Coeff. (min)=	6.60 (ii)	15.22 (ii)	
Unit Hyd. Tpeak (min)=	7.00	16.00	
Unit Hyd. peak (cms)=	0.17	0.07	
			TOTALS
PEAK FLOW (cms)=	1.15	0.20	1.275 (iii)
TIME TO PEAK (hrs)=	3.02	3.33	3.03
RUNOFF VOLUME (mm)=	44.85	9.27	26.35
TOTAL RAINFALL (mm)=	46.85	46.85	46.85
RUNOFF COEFFICIENT =	0.96	0.20	0.56

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 5.0 min				
	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	0.1330	0.5200
	0.0380	0.2900	0.1650	0.5800
	0.0680	0.3850	0.2000	0.6300
	0.0940	0.4500	0.4800	1.1000
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)	19.500	1.275	3.03	26.35
OUTFLOW: ID= 1 (0001)	19.500	0.086	5.37	20.69
	PEAK FLOW REDUCTION [Qout/Qin](%)=	6.72		
	TIME SHIFT OF PEAK FLOW (min)=	140.00		
	MAXIMUM STORAGE USED (ha.m.)=	0.4293		
**** WARNING : SELECTED ROUTING TIME STEP DENIED.				

CALIB				
STANDHYD (0202)	Area (ha)=	0.21		
ID= 1 DT= 1.0 min	Total Imp(%)=	65.00	Dir. Conn.(%)=	65.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.14	0.07
Dep. Storage	(mm)=	2.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	15.25	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.94	1.517	3.77	3.017	30.14	4.52	3.30
0.033	0.94	1.533	3.77	3.033	30.14	4.53	3.30
0.050	0.94	1.550	3.77	3.050	30.14	4.55	3.30
0.067	0.94	1.567	3.77	3.067	30.14	4.57	3.30
0.083	0.94	1.583	3.77	3.083	30.14	4.58	3.30
0.100	0.94	1.600	3.77	3.100	30.14	4.60	3.30
0.117	0.94	1.617	3.77	3.117	30.14	4.62	3.30
0.133	0.94	1.633	3.77	3.133	30.14	4.63	3.30
0.150	0.94	1.650	3.77	3.150	30.14	4.65	3.30
0.167	0.94	1.667	3.77	3.167	30.14	4.67	3.30
0.183	0.94	1.683	3.77	3.183	30.14	4.68	3.30
0.200	0.94	1.700	3.77	3.200	30.14	4.70	3.30
0.217	0.94	1.717	3.77	3.217	30.14	4.72	3.30
0.233	0.94	1.733	3.77	3.233	30.14	4.73	3.30
0.250	0.94	1.750	3.77	3.250	30.14	4.75	3.30
0.267	1.88	1.767	3.77	3.267	12.25	4.77	2.83
0.283	1.88	1.783	3.77	3.283	12.24	4.78	2.83
0.300	1.88	1.800	3.77	3.300	12.24	4.80	2.83
0.317	1.88	1.817	3.77	3.317	12.24	4.82	2.83
0.333	1.88	1.833	3.77	3.333	12.24	4.83	2.83
0.350	1.88	1.850	3.77	3.350	12.24	4.85	2.83
0.367	1.88	1.867	3.77	3.367	12.24	4.87	2.83
0.383	1.88	1.883	3.77	3.383	12.24	4.88	2.83
0.400	1.88	1.900	3.77	3.400	12.24	4.90	2.83
0.417	1.88	1.917	3.77	3.417	12.24	4.92	2.83
0.433	1.88	1.933	3.77	3.433	12.24	4.93	2.83
0.450	1.88	1.950	3.77	3.450	12.24	4.95	2.83
0.467	1.88	1.967	3.77	3.467	12.24	4.97	2.83
0.483	1.88	1.983	3.77	3.483	12.24	4.98	2.83
0.500	1.88	2.000	3.77	3.500	12.24	5.00	2.83
0.517	1.88	2.017	5.18	3.517	8.95	5.02	2.35
0.533	1.88	2.033	5.18	3.533	8.95	5.03	2.35
0.550	1.88	2.050	5.18	3.550	8.95	5.05	2.35
0.567	1.88	2.067	5.18	3.567	8.95	5.07	2.35
0.583	1.88	2.083	5.18	3.583	8.95	5.08	2.35
0.600	1.88	2.100	5.18	3.600	8.95	5.10	2.35
0.617	1.88	2.117	5.18	3.617	8.95	5.12	2.35
0.633	1.88	2.133	5.18	3.633	8.95	5.13	2.35
0.650	1.88	2.150	5.18	3.650	8.95	5.15	2.35
0.667	1.88	2.167	5.18	3.667	8.95	5.17	2.35
0.683	1.88	2.183	5.18	3.683	8.95	5.18	2.35
0.700	1.88	2.200	5.18	3.700	8.95	5.20	2.35
0.717	1.88	2.217	5.18	3.717	8.95	5.22	2.35
0.733	1.88	2.233	5.18	3.733	8.95	5.23	2.35
0.750	1.88	2.250	5.18	3.750	8.95	5.25	2.35
0.767	1.88	2.267	6.59	3.767	5.65	5.27	1.88
0.783	1.88	2.283	6.59	3.783	5.65	5.28	1.88
0.800	1.88	2.300	6.59	3.800	5.65	5.30	1.88
0.817	1.88	2.317	6.59	3.817	5.65	5.32	1.88
0.833	1.88	2.333	6.59	3.833	5.65	5.33	1.88
0.850	1.88	2.350	6.59	3.850	5.65	5.35	1.88
0.867	1.88	2.367	6.59	3.867	5.65	5.37	1.88
0.883	1.88	2.383	6.59	3.883	5.65	5.38	1.88
0.900	1.88	2.400	6.59	3.900	5.65	5.40	1.88
0.917	1.88	2.417	6.59	3.917	5.65	5.42	1.88
0.933	1.88	2.433	6.59	3.933	5.65	5.43	1.88
0.950	1.88	2.450	6.59	3.950	5.65	5.45	1.88
0.967	1.88	2.467	6.59	3.967	5.65	5.47	1.88
0.983	1.88	2.483	6.59	3.983	5.65	5.48	1.88
1.000	1.88	2.500	6.59	4.000	5.65	5.50	1.88
1.017	2.83	2.517	27.31	4.017	4.71	5.52	1.88
1.033	2.83	2.533	27.31	4.033	4.71	5.53	1.88
1.050	2.83	2.550	27.31	4.050	4.71	5.55	1.88
1.067	2.83	2.567	27.31	4.067	4.71	5.57	1.88
1.083	2.83	2.583	27.31	4.083	4.71	5.58	1.88
1.100	2.83	2.600	27.31	4.100	4.71	5.60	1.88
1.117	2.83	2.617	27.31	4.117	4.71	5.62	1.88
1.133	2.83	2.633	27.31	4.133	4.71	5.63	1.88
1.150	2.83	2.650	27.31	4.150	4.71	5.65	1.88
1.167	2.83	2.667	27.31	4.167	4.71	5.67	1.88

1.183	2.83	2.683	27.31	4.183	4.71	5.68	1.88
1.200	2.83	2.700	27.31	4.200	4.71	5.70	1.88
1.217	2.83	2.717	27.31	4.217	4.71	5.72	1.88
1.233	2.83	2.733	27.31	4.233	4.71	5.73	1.88
1.250	2.83	2.750	27.31	4.250	4.71	5.75	1.88
1.267	3.77	2.767	48.03	4.267	3.77	5.77	1.88
1.283	3.77	2.783	48.03	4.283	3.77	5.78	1.88
1.300	3.77	2.800	48.03	4.300	3.77	5.80	1.88
1.317	3.77	2.817	48.03	4.317	3.77	5.82	1.88
1.333	3.77	2.833	48.03	4.333	3.77	5.83	1.88
1.350	3.77	2.850	48.03	4.350	3.77	5.85	1.88
1.367	3.77	2.867	48.03	4.367	3.77	5.87	1.88
1.383	3.77	2.883	48.03	4.383	3.77	5.88	1.88
1.400	3.77	2.900	48.03	4.400	3.77	5.90	1.88
1.417	3.77	2.917	48.03	4.417	3.77	5.92	1.88
1.433	3.77	2.933	48.03	4.433	3.77	5.93	1.88
1.450	3.77	2.950	48.03	4.450	3.77	5.95	1.88
1.467	3.77	2.967	48.03	4.467	3.77	5.97	1.88
1.483	3.77	2.983	48.03	4.483	3.77	5.98	1.88
1.500	3.77	3.000	48.03	4.500	3.77	6.00	1.88

Max.Eff.Inten.(mm/hr)= 48.03 7.07
over (min) 5.00 9.00
Storage Coeff. (min)= 1.11 (ii) 8.50 (ii)
Unit Hyd. Tpeak (min)= 5.00 9.00
Unit Hyd. peak (cms)= 0.46 0.13

TOTALS
PEAK FLOW (cms)= 0.02 0.00 0.019 (iii)
TIME TO PEAK (hrs)= 3.00 3.27 3.00
RUNOFF VOLUME (mm)= 44.85 6.78 31.51
TOTAL RAINFALL (mm)= 46.85 46.85 46.85
RUNOFF COEFFICIENT = 0.96 0.14 0.67

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)	AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0001):	19.50	0.086	5.37	20.69
+ ID2= 2 (0202):	0.21	0.019	3.00	31.51
=====				
ID = 3 (0015):	19.71	0.087	5.27	20.81

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:2.3 SCS II 6hr 10yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData\Local\Temp\ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\8d975a8e
Ptotal= 54.13 mm	Comments: SCS 6 HOUR TYPE II STORM DISTRIBUTION

Duration of storm = 6.00 hrs
Mass curve time step = 30.00 min
New Storm time step = 15.00 min

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	1.08	1.50	4.33	3.00	34.64	4.50	3.79
0.25	2.17	1.75	4.33	3.25	14.07	4.75	3.25
0.50	2.17	2.00	5.95	3.50	10.28	5.00	2.71
0.75	2.17	2.25	7.58	3.75	6.50	5.25	2.17
1.00	3.25	2.50	31.40	4.00	5.41	5.50	2.17
1.25	4.33	2.75	55.21	4.25	4.33	5.75	2.17

CALIB	Area (ha)= 19.50	
STANDHYD (0201)	Total Imp(%)= 62.00	Dir. Conn.(%)= 48.00
ID= 1 DT= 1.0 min		

IMPERVIOUS PERVIOUS (i)
Surface Area (ha)= 12.09 7.41

Dep. Storage	(mm)=	2.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	298.34	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.08	1.517	4.33	3.017	34.65	4.52	3.79
0.033	1.08	1.533	4.33	3.033	34.64	4.53	3.79
0.050	1.08	1.550	4.33	3.050	34.64	4.55	3.79
0.067	1.08	1.567	4.33	3.067	34.64	4.57	3.79
0.083	1.08	1.583	4.33	3.083	34.64	4.58	3.79
0.100	1.08	1.600	4.33	3.100	34.64	4.60	3.79
0.117	1.08	1.617	4.33	3.117	34.64	4.62	3.79
0.133	1.08	1.633	4.33	3.133	34.64	4.63	3.79
0.150	1.08	1.650	4.33	3.150	34.64	4.65	3.79
0.167	1.08	1.667	4.33	3.167	34.64	4.67	3.79
0.183	1.08	1.683	4.33	3.183	34.64	4.68	3.79
0.200	1.08	1.700	4.33	3.200	34.64	4.70	3.79
0.217	1.08	1.717	4.33	3.217	34.64	4.72	3.79
0.233	1.08	1.733	4.33	3.233	34.64	4.73	3.79
0.250	1.08	1.750	4.33	3.250	34.64	4.75	3.79
0.267	2.17	1.767	4.33	3.267	14.08	4.77	3.25
0.283	2.17	1.783	4.33	3.283	14.07	4.78	3.25
0.300	2.17	1.800	4.33	3.300	14.07	4.80	3.25
0.317	2.17	1.817	4.33	3.317	14.07	4.82	3.25
0.333	2.17	1.833	4.33	3.333	14.07	4.83	3.25
0.350	2.17	1.850	4.33	3.350	14.07	4.85	3.25
0.367	2.17	1.867	4.33	3.367	14.07	4.87	3.25
0.383	2.17	1.883	4.33	3.383	14.07	4.88	3.25
0.400	2.17	1.900	4.33	3.400	14.07	4.90	3.25
0.417	2.17	1.917	4.33	3.417	14.07	4.92	3.25
0.433	2.17	1.933	4.33	3.433	14.07	4.93	3.25
0.450	2.17	1.950	4.33	3.450	14.07	4.95	3.25
0.467	2.17	1.967	4.33	3.467	14.07	4.97	3.25
0.483	2.17	1.983	4.33	3.483	14.07	4.98	3.25
0.500	2.17	2.000	4.33	3.500	14.07	5.00	3.25
0.517	2.17	2.017	5.95	3.517	10.29	5.02	2.71
0.533	2.17	2.033	5.95	3.533	10.28	5.03	2.71
0.550	2.17	2.050	5.95	3.550	10.28	5.05	2.71
0.567	2.17	2.067	5.95	3.567	10.28	5.07	2.71
0.583	2.17	2.083	5.95	3.583	10.28	5.08	2.71
0.600	2.17	2.100	5.95	3.600	10.28	5.10	2.71
0.617	2.17	2.117	5.95	3.617	10.28	5.12	2.71
0.633	2.17	2.133	5.95	3.633	10.28	5.13	2.71
0.650	2.17	2.150	5.95	3.650	10.28	5.15	2.71
0.667	2.17	2.167	5.95	3.667	10.28	5.17	2.71
0.683	2.17	2.183	5.95	3.683	10.28	5.18	2.71
0.700	2.17	2.200	5.95	3.700	10.28	5.20	2.71
0.717	2.17	2.217	5.95	3.717	10.28	5.22	2.71
0.733	2.17	2.233	5.95	3.733	10.28	5.23	2.71
0.750	2.17	2.250	5.95	3.750	10.28	5.25	2.71
0.767	2.17	2.267	7.58	3.767	6.50	5.27	2.17
0.783	2.17	2.283	7.58	3.783	6.50	5.28	2.17
0.800	2.17	2.300	7.58	3.800	6.50	5.30	2.17
0.817	2.17	2.317	7.58	3.817	6.50	5.32	2.17
0.833	2.17	2.333	7.58	3.833	6.50	5.33	2.17
0.850	2.17	2.350	7.58	3.850	6.50	5.35	2.17
0.867	2.17	2.367	7.58	3.867	6.50	5.37	2.17
0.883	2.17	2.383	7.58	3.883	6.50	5.38	2.17
0.900	2.17	2.400	7.58	3.900	6.50	5.40	2.17
0.917	2.17	2.417	7.58	3.917	6.50	5.42	2.17
0.933	2.17	2.433	7.58	3.933	6.50	5.43	2.17
0.950	2.17	2.450	7.58	3.950	6.50	5.45	2.17
0.967	2.17	2.467	7.58	3.967	6.50	5.47	2.17
0.983	2.17	2.483	7.58	3.983	6.50	5.48	2.17
1.000	2.17	2.500	7.58	4.000	6.50	5.50	2.17
1.017	3.25	2.517	31.39	4.017	5.41	5.52	2.17
1.033	3.25	2.533	31.40	4.033	5.41	5.53	2.17
1.050	3.25	2.550	31.40	4.050	5.41	5.55	2.17
1.067	3.25	2.567	31.40	4.067	5.41	5.57	2.17
1.083	3.25	2.583	31.40	4.083	5.41	5.58	2.17
1.100	3.25	2.600	31.40	4.100	5.41	5.60	2.17
1.117	3.25	2.617	31.40	4.117	5.41	5.62	2.17
1.133	3.25	2.633	31.40	4.133	5.41	5.63	2.17
1.150	3.25	2.650	31.40	4.150	5.41	5.65	2.17
1.167	3.25	2.667	31.40	4.167	5.41	5.67	2.17
1.183	3.25	2.683	31.40	4.183	5.41	5.68	2.17
1.200	3.25	2.700	31.40	4.200	5.41	5.70	2.17
1.217	3.25	2.717	31.40	4.217	5.41	5.72	2.17

1.233	3.25	2.733	31.40	4.233	5.41	5.73	2.17
1.250	3.25	2.750	31.40	4.250	5.41	5.75	2.17
1.267	4.33	2.767	55.21	4.267	4.33	5.77	2.17
1.283	4.33	2.783	55.21	4.283	4.33	5.78	2.17
1.300	4.33	2.800	55.21	4.300	4.33	5.80	2.17
1.317	4.33	2.817	55.21	4.317	4.33	5.82	2.17
1.333	4.33	2.833	55.21	4.333	4.33	5.83	2.17
1.350	4.33	2.850	55.21	4.350	4.33	5.85	2.17
1.367	4.33	2.867	55.21	4.367	4.33	5.87	2.17
1.383	4.33	2.883	55.21	4.383	4.33	5.88	2.17
1.400	4.33	2.900	55.21	4.400	4.33	5.90	2.17
1.417	4.33	2.917	55.21	4.417	4.33	5.92	2.17
1.433	4.33	2.933	55.21	4.433	4.33	5.93	2.17
1.450	4.33	2.950	55.21	4.450	4.33	5.95	2.17
1.467	4.33	2.967	55.21	4.467	4.33	5.97	2.17
1.483	4.33	2.983	55.21	4.483	4.33	5.98	2.17
1.500	4.33	3.000	55.21	4.500	4.33	6.00	2.16

Max.Eff.Inten.(mm/hr)= 55.21 17.76
over (min) 6.00 15.00
Storage Coeff. (min)= 6.24 (ii) 14.39 (ii)
Unit Hyd. Tpeak (min)= 6.00 15.00
Unit Hyd. peak (cms)= 0.18 0.08

TOTALS

PEAK FLOW (cms)= 1.34 0.27 1.513 (iii)
TIME TO PEAK (hrs)= 3.02 3.32 3.03
RUNOFF VOLUME (mm)= 51.86 12.10 31.18
TOTAL RAINFALL (mm)= 53.86 53.86
RUNOFF COEFFICIENT = 0.96 0.22 0.58

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)					
IN= 2---> OUT= 1					
DT= 5.0 min					

OVERFLOW IS OFF					
		OUTFLOW	STORAGE	OUTFLOW	STORAGE
		(cms)	(ha.m.)	(cms)	(ha.m.)
		0.0000	0.0000	0.1330	0.5200
		0.0380	0.2900	0.1650	0.5800
		0.0680	0.3850	0.2000	0.6300
		0.0940	0.4500	0.4800	1.1000
		AREA	QPEAK	TPEAK	R.V.
		(ha)	(cms)	(hrs)	(mm)
INFLOW : ID= 2 (0201)		19.500	1.513	3.03	31.18
OUTFLOW: ID= 1 (0001)		19.500	0.120	5.12	25.05
PEAK FLOW REDUCTION [Qout/Qin](%)= 7.91					
TIME SHIFT OF PEAK FLOW (min)=125.00					
MAXIMUM STORAGE USED (ha.m.)= 0.4961					

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB					
STANDHYD (0202)					
ID= 1 DT= 1.0 min					

		Area (ha)=	0.21		
		Total Imp(%)=	65.00	Dir. Conn.(%)=	65.00
		IMPERVIOUS	PERVIOUS (i)		
Surface Area (ha)=		0.14	0.07		
Dep. Storage (mm)=		2.00	5.00		
Average slope (%)=		1.00	2.00		
Length (m)=		15.25	40.00		
Mannings n =		0.013	0.250		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.08	1.517	4.33	3.017	34.65	4.52	3.79
0.033	1.08	1.533	4.33	3.033	34.64	4.53	3.79
0.050	1.08	1.550	4.33	3.050	34.64	4.55	3.79
0.067	1.08	1.567	4.33	3.067	34.64	4.57	3.79
0.083	1.08	1.583	4.33	3.083	34.64	4.58	3.79
0.100	1.08	1.600	4.33	3.100	34.64	4.60	3.79
0.117	1.08	1.617	4.33	3.117	34.64	4.62	3.79

0.133	1.08	1.633	4.33	3.133	34.64	4.63	3.79
0.150	1.08	1.650	4.33	3.150	34.64	4.65	3.79
0.167	1.08	1.667	4.33	3.167	34.64	4.67	3.79
0.183	1.08	1.683	4.33	3.183	34.64	4.68	3.79
0.200	1.08	1.700	4.33	3.200	34.64	4.70	3.79
0.217	1.08	1.717	4.33	3.217	34.64	4.72	3.79
0.233	1.08	1.733	4.33	3.233	34.64	4.73	3.79
0.250	1.08	1.750	4.33	3.250	34.64	4.75	3.79
0.267	2.17	1.767	4.33	3.267	14.08	4.77	3.25
0.283	2.17	1.783	4.33	3.283	14.07	4.78	3.25
0.300	2.17	1.800	4.33	3.300	14.07	4.80	3.25
0.317	2.17	1.817	4.33	3.317	14.07	4.82	3.25
0.333	2.17	1.833	4.33	3.333	14.07	4.83	3.25
0.350	2.17	1.850	4.33	3.350	14.07	4.85	3.25
0.367	2.17	1.867	4.33	3.367	14.07	4.87	3.25
0.383	2.17	1.883	4.33	3.383	14.07	4.88	3.25
0.400	2.17	1.900	4.33	3.400	14.07	4.90	3.25
0.417	2.17	1.917	4.33	3.417	14.07	4.92	3.25
0.433	2.17	1.933	4.33	3.433	14.07	4.93	3.25
0.450	2.17	1.950	4.33	3.450	14.07	4.95	3.25
0.467	2.17	1.967	4.33	3.467	14.07	4.97	3.25
0.483	2.17	1.983	4.33	3.483	14.07	4.98	3.25
0.500	2.17	2.000	4.33	3.500	14.07	5.00	3.25
0.517	2.17	2.017	5.95	3.517	10.29	5.02	2.71
0.533	2.17	2.033	5.95	3.533	10.28	5.03	2.71
0.550	2.17	2.050	5.95	3.550	10.28	5.05	2.71
0.567	2.17	2.067	5.95	3.567	10.28	5.07	2.71
0.583	2.17	2.083	5.95	3.583	10.28	5.08	2.71
0.600	2.17	2.100	5.95	3.600	10.28	5.10	2.71
0.617	2.17	2.117	5.95	3.617	10.28	5.12	2.71
0.633	2.17	2.133	5.95	3.633	10.28	5.13	2.71
0.650	2.17	2.150	5.95	3.650	10.28	5.15	2.71
0.667	2.17	2.167	5.95	3.667	10.28	5.17	2.71
0.683	2.17	2.183	5.95	3.683	10.28	5.18	2.71
0.700	2.17	2.200	5.95	3.700	10.28	5.20	2.71
0.717	2.17	2.217	5.95	3.717	10.28	5.22	2.71
0.733	2.17	2.233	5.95	3.733	10.28	5.23	2.71
0.750	2.17	2.250	5.95	3.750	10.28	5.25	2.71
0.767	2.17	2.267	7.58	3.767	6.50	5.27	2.17
0.783	2.17	2.283	7.58	3.783	6.50	5.28	2.17
0.800	2.17	2.300	7.58	3.800	6.50	5.30	2.17
0.817	2.17	2.317	7.58	3.817	6.50	5.32	2.17
0.833	2.17	2.333	7.58	3.833	6.50	5.33	2.17
0.850	2.17	2.350	7.58	3.850	6.50	5.35	2.17
0.867	2.17	2.367	7.58	3.867	6.50	5.37	2.17
0.883	2.17	2.383	7.58	3.883	6.50	5.38	2.17
0.900	2.17	2.400	7.58	3.900	6.50	5.40	2.17
0.917	2.17	2.417	7.58	3.917	6.50	5.42	2.17
0.933	2.17	2.433	7.58	3.933	6.50	5.43	2.17
0.950	2.17	2.450	7.58	3.950	6.50	5.45	2.17
0.967	2.17	2.467	7.58	3.967	6.50	5.47	2.17
0.983	2.17	2.483	7.58	3.983	6.50	5.48	2.17
1.000	2.17	2.500	7.58	4.000	6.50	5.50	2.17
1.017	3.25	2.517	31.39	4.017	5.41	5.52	2.17
1.033	3.25	2.533	31.40	4.033	5.41	5.53	2.17
1.050	3.25	2.550	31.40	4.050	5.41	5.55	2.17
1.067	3.25	2.567	31.40	4.067	5.41	5.57	2.17
1.083	3.25	2.583	31.40	4.083	5.41	5.58	2.17
1.100	3.25	2.600	31.40	4.100	5.41	5.60	2.17
1.117	3.25	2.617	31.40	4.117	5.41	5.62	2.17
1.133	3.25	2.633	31.40	4.133	5.41	5.63	2.17
1.150	3.25	2.650	31.40	4.150	5.41	5.65	2.17
1.167	3.25	2.667	31.40	4.167	5.41	5.67	2.17
1.183	3.25	2.683	31.40	4.183	5.41	5.68	2.17
1.200	3.25	2.700	31.40	4.200	5.41	5.70	2.17
1.217	3.25	2.717	31.40	4.217	5.41	5.72	2.17
1.233	3.25	2.733	31.40	4.233	5.41	5.73	2.17
1.250	3.25	2.750	31.40	4.250	5.41	5.75	2.17
1.267	4.33	2.767	55.21	4.267	4.33	5.77	2.17
1.283	4.33	2.783	55.21	4.283	4.33	5.78	2.17
1.300	4.33	2.800	55.21	4.300	4.33	5.80	2.17
1.317	4.33	2.817	55.21	4.317	4.33	5.82	2.17
1.333	4.33	2.833	55.21	4.333	4.33	5.83	2.17
1.350	4.33	2.850	55.21	4.350	4.33	5.85	2.17
1.367	4.33	2.867	55.21	4.367	4.33	5.87	2.17
1.383	4.33	2.883	55.21	4.383	4.33	5.88	2.17
1.400	4.33	2.900	55.21	4.400	4.33	5.90	2.17
1.417	4.33	2.917	55.21	4.417	4.33	5.92	2.17
1.433	4.33	2.933	55.21	4.433	4.33	5.93	2.17
1.450	4.33	2.950	55.21	4.450	4.33	5.95	2.17
1.467	4.33	2.967	55.21	4.467	4.33	5.97	2.17
1.483	4.33	2.983	55.21	4.483	4.33	5.98	2.17
1.500	4.33	3.000	55.21	4.500	4.33	6.00	2.16

Max.Eff.Inten.(mm/hr)=	55.21	9.47	
over (min)	5.00	9.00	
Storage Coeff. (min)=	1.05 (ii)	8.04 (ii)	
Unit Hyd. Tpeak (min)=	5.00	9.00	
Unit Hyd. peak (cms)=	0.47	0.14	
			TOTALS
PEAK FLOW (cms)=	0.02	0.00	0.022 (iii)
TIME TO PEAK (hrs)=	3.00	3.27	3.00
RUNOFF VOLUME (mm)=	51.86	9.00	36.84
TOTAL RAINFALL (mm)=	53.86	53.86	53.86
RUNOFF COEFFICIENT =	0.96	0.17	0.68

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)				
1 + 2 = 3				
ID1= 1 (0001):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
+ ID2= 2 (0202):	19.50	0.120	5.12	25.05
	0.21	0.022	3.00	36.84
ID = 3 (0015):	19.71	0.121	5.03	25.18

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:2.4 SCS II 6hr 25yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData ata\Local\Temp\ ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\8e8ed2d5
Ptotal= 63.21 mm	Comments: SCS 6 HOUR TYPE II STORM DISTRIBUTION
	Duration of storm = 6.00 hrs
	Mass curve time step = 30.00 min
	New Storm time step = 15.00 min

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	1.26	1.50	5.06	3.00	40.45	4.50	4.42
0.25	2.53	1.75	5.06	3.25	16.43	4.75	3.79
0.50	2.53	2.00	6.95	3.50	12.01	5.00	3.16
0.75	2.53	2.25	8.85	3.75	7.59	5.25	2.53
1.00	3.79	2.50	36.66	4.00	6.32	5.50	2.53
1.25	5.06	2.75	64.47	4.25	5.06	5.75	2.53

CALIB			
STANDHYD (0201)	Area (ha)= 19.50		
ID= 1 DT= 1.0 min	Total Imp(%)= 62.00	Dir. Conn.(%)= 48.00	

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	12.09	7.41
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	298.34	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.26	1.517	5.06	3.017	40.46	4.52	4.42
0.033	1.26	1.533	5.06	3.033	40.45	4.53	4.42
0.050	1.26	1.550	5.06	3.050	40.45	4.55	4.42
0.067	1.26	1.567	5.06	3.067	40.45	4.57	4.42
0.083	1.26	1.583	5.06	3.083	40.45	4.58	4.42
0.100	1.26	1.600	5.06	3.100	40.45	4.60	4.42
0.117	1.26	1.617	5.06	3.117	40.45	4.62	4.42
0.133	1.26	1.633	5.06	3.133	40.45	4.63	4.42
0.150	1.26	1.650	5.06	3.150	40.45	4.65	4.42
0.167	1.26	1.667	5.06	3.167	40.45	4.67	4.42

0.183	1.26	1.683	5.06	3.183	40.45	4.68	4.42
0.200	1.26	1.700	5.06	3.200	40.45	4.70	4.42
0.217	1.26	1.717	5.06	3.217	40.45	4.72	4.42
0.233	1.26	1.733	5.06	3.233	40.45	4.73	4.42
0.250	1.26	1.750	5.06	3.250	40.45	4.75	4.42
0.267	2.53	1.767	5.06	3.267	16.44	4.77	3.79
0.283	2.53	1.783	5.06	3.283	16.43	4.78	3.79
0.300	2.53	1.800	5.06	3.300	16.43	4.80	3.79
0.317	2.53	1.817	5.06	3.317	16.43	4.82	3.79
0.333	2.53	1.833	5.06	3.333	16.43	4.83	3.79
0.350	2.53	1.850	5.06	3.350	16.43	4.85	3.79
0.367	2.53	1.867	5.06	3.367	16.43	4.87	3.79
0.383	2.53	1.883	5.06	3.383	16.43	4.88	3.79
0.400	2.53	1.900	5.06	3.400	16.43	4.90	3.79
0.417	2.53	1.917	5.06	3.417	16.43	4.92	3.79
0.433	2.53	1.933	5.06	3.433	16.43	4.93	3.79
0.450	2.53	1.950	5.06	3.450	16.43	4.95	3.79
0.467	2.53	1.967	5.06	3.467	16.43	4.97	3.79
0.483	2.53	1.983	5.06	3.483	16.43	4.98	3.79
0.500	2.53	2.000	5.06	3.500	16.43	5.00	3.79
0.517	2.53	2.017	6.95	3.517	12.01	5.02	3.16
0.533	2.53	2.033	6.95	3.533	12.01	5.03	3.16
0.550	2.53	2.050	6.95	3.550	12.01	5.05	3.16
0.567	2.53	2.067	6.95	3.567	12.01	5.07	3.16
0.583	2.53	2.083	6.95	3.583	12.01	5.08	3.16
0.600	2.53	2.100	6.95	3.600	12.01	5.10	3.16
0.617	2.53	2.117	6.95	3.617	12.01	5.12	3.16
0.633	2.53	2.133	6.95	3.633	12.01	5.13	3.16
0.650	2.53	2.150	6.95	3.650	12.01	5.15	3.16
0.667	2.53	2.167	6.95	3.667	12.01	5.17	3.16
0.683	2.53	2.183	6.95	3.683	12.01	5.18	3.16
0.700	2.53	2.200	6.95	3.700	12.01	5.20	3.16
0.717	2.53	2.217	6.95	3.717	12.01	5.22	3.16
0.733	2.53	2.233	6.95	3.733	12.01	5.23	3.16
0.750	2.53	2.250	6.95	3.750	12.01	5.25	3.16
0.767	2.53	2.267	8.85	3.767	7.59	5.27	2.53
0.783	2.53	2.283	8.85	3.783	7.59	5.28	2.53
0.800	2.53	2.300	8.85	3.800	7.59	5.30	2.53
0.817	2.53	2.317	8.85	3.817	7.59	5.32	2.53
0.833	2.53	2.333	8.85	3.833	7.59	5.33	2.53
0.850	2.53	2.350	8.85	3.850	7.59	5.35	2.53
0.867	2.53	2.367	8.85	3.867	7.59	5.37	2.53
0.883	2.53	2.383	8.85	3.883	7.59	5.38	2.53
0.900	2.53	2.400	8.85	3.900	7.59	5.40	2.53
0.917	2.53	2.417	8.85	3.917	7.59	5.42	2.53
0.933	2.53	2.433	8.85	3.933	7.59	5.43	2.53
0.950	2.53	2.450	8.85	3.950	7.59	5.45	2.53
0.967	2.53	2.467	8.85	3.967	7.59	5.47	2.53
0.983	2.53	2.483	8.85	3.983	7.59	5.48	2.53
1.000	2.53	2.500	8.85	4.000	7.59	5.50	2.53
1.017	3.79	2.517	36.66	4.017	6.32	5.52	2.53
1.033	3.79	2.533	36.66	4.033	6.32	5.53	2.53
1.050	3.79	2.550	36.66	4.050	6.32	5.55	2.53
1.067	3.79	2.567	36.66	4.067	6.32	5.57	2.53
1.083	3.79	2.583	36.66	4.083	6.32	5.58	2.53
1.100	3.79	2.600	36.66	4.100	6.32	5.60	2.53
1.117	3.79	2.617	36.66	4.117	6.32	5.62	2.53
1.133	3.79	2.633	36.66	4.133	6.32	5.63	2.53
1.150	3.79	2.650	36.66	4.150	6.32	5.65	2.53
1.167	3.79	2.667	36.66	4.167	6.32	5.67	2.53
1.183	3.79	2.683	36.66	4.183	6.32	5.68	2.53
1.200	3.79	2.700	36.66	4.200	6.32	5.70	2.53
1.217	3.79	2.717	36.66	4.217	6.32	5.72	2.53
1.233	3.79	2.733	36.66	4.233	6.32	5.73	2.53
1.250	3.79	2.750	36.66	4.250	6.32	5.75	2.53
1.267	5.06	2.767	64.47	4.267	5.06	5.77	2.53
1.283	5.06	2.783	64.47	4.283	5.06	5.78	2.53
1.300	5.06	2.800	64.47	4.300	5.06	5.80	2.53
1.317	5.06	2.817	64.47	4.317	5.06	5.82	2.53
1.333	5.06	2.833	64.47	4.333	5.06	5.83	2.53
1.350	5.06	2.850	64.47	4.350	5.06	5.85	2.53
1.367	5.06	2.867	64.47	4.367	5.06	5.87	2.53
1.383	5.06	2.883	64.47	4.383	5.06	5.88	2.53
1.400	5.06	2.900	64.47	4.400	5.06	5.90	2.53
1.417	5.06	2.917	64.47	4.417	5.06	5.92	2.53
1.433	5.06	2.933	64.47	4.433	5.06	5.93	2.53
1.450	5.06	2.950	64.47	4.450	5.06	5.95	2.53
1.467	5.06	2.967	64.47	4.467	5.06	5.97	2.53
1.483	5.06	2.983	64.47	4.483	5.06	5.98	2.53
1.500	5.06	3.000	64.47	4.500	5.06	6.00	2.52

Max.Eff.Inten.(mm/hr)= 64.47 23.92
over (min) 6.00 14.00
Storage Coeff. (min)= 5.87 (ii) 13.53 (ii)

Unit Hyd. Tpeak (min)=	6.00	14.00	
Unit Hyd. peak (cms)=	0.19	0.08	
			TOTALS
PEAK FLOW (cms)=	1.58	0.37	1.831 (iii)
TIME TO PEAK (hrs)=	3.02	3.30	3.03
RUNOFF VOLUME (mm)=	60.89	16.14	37.62
TOTAL RAINFALL (mm)=	62.89	62.89	62.89
RUNOFF COEFFICIENT =	0.97	0.26	0.60

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)		OVERFLOW IS OFF			
IN= 2---> OUT= 1					
DT= 5.0 min					
		OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
		0.0000	0.0000	0.1330	0.5200
		0.0380	0.2900	0.1650	0.5800
		0.0680	0.3850	0.2000	0.6300
		0.0940	0.4500	0.4800	1.1000
		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)		19.500	1.831	3.03	37.62
OUTFLOW: ID= 1 (0001)		19.500	0.167	4.88	31.02
		PEAK FLOW REDUCTION [Qout/Qin](%)= 9.11			
		TIME SHIFT OF PEAK FLOW (min)=111.00			
		MAXIMUM STORAGE USED (ha.m.)= 0.5826			

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB					
STANDHYD (0202)					
ID= 1 DT= 1.0 min					
		Area (ha)=	0.21		
		Total Imp(%)=	65.00	Dir. Conn.(%)=	65.00
		IMPERVIOUS	PERVIOUS (i)		
Surface Area (ha)=		0.14	0.07		
Dep. Storage (mm)=		2.00	5.00		
Average slope (%)=		1.00	2.00		
Length (m)=		15.25	40.00		
Mannings n =		0.013	0.250		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.26	1.517	5.06	3.017	40.46	4.52	4.42
0.033	1.26	1.533	5.06	3.033	40.45	4.53	4.42
0.050	1.26	1.550	5.06	3.050	40.45	4.55	4.42
0.067	1.26	1.567	5.06	3.067	40.45	4.57	4.42
0.083	1.26	1.583	5.06	3.083	40.45	4.58	4.42
0.100	1.26	1.600	5.06	3.100	40.45	4.60	4.42
0.117	1.26	1.617	5.06	3.117	40.45	4.62	4.42
0.133	1.26	1.633	5.06	3.133	40.45	4.63	4.42
0.150	1.26	1.650	5.06	3.150	40.45	4.65	4.42
0.167	1.26	1.667	5.06	3.167	40.45	4.67	4.42
0.183	1.26	1.683	5.06	3.183	40.45	4.68	4.42
0.200	1.26	1.700	5.06	3.200	40.45	4.70	4.42
0.217	1.26	1.717	5.06	3.217	40.45	4.72	4.42
0.233	1.26	1.733	5.06	3.233	40.45	4.73	4.42
0.250	1.26	1.750	5.06	3.250	40.45	4.75	4.42
0.267	2.53	1.767	5.06	3.267	16.44	4.77	3.79
0.283	2.53	1.783	5.06	3.283	16.43	4.78	3.79
0.300	2.53	1.800	5.06	3.300	16.43	4.80	3.79
0.317	2.53	1.817	5.06	3.317	16.43	4.82	3.79
0.333	2.53	1.833	5.06	3.333	16.43	4.83	3.79
0.350	2.53	1.850	5.06	3.350	16.43	4.85	3.79
0.367	2.53	1.867	5.06	3.367	16.43	4.87	3.79
0.383	2.53	1.883	5.06	3.383	16.43	4.88	3.79
0.400	2.53	1.900	5.06	3.400	16.43	4.90	3.79
0.417	2.53	1.917	5.06	3.417	16.43	4.92	3.79
0.433	2.53	1.933	5.06	3.433	16.43	4.93	3.79
0.450	2.53	1.950	5.06	3.450	16.43	4.95	3.79
0.467	2.53	1.967	5.06	3.467	16.43	4.97	3.79

0.483	2.53	1.983	5.06	3.483	16.43	4.98	3.79
0.500	2.53	2.000	5.06	3.500	16.43	5.00	3.79
0.517	2.53	2.017	6.95	3.517	12.01	5.02	3.16
0.533	2.53	2.033	6.95	3.533	12.01	5.03	3.16
0.550	2.53	2.050	6.95	3.550	12.01	5.05	3.16
0.567	2.53	2.067	6.95	3.567	12.01	5.07	3.16
0.583	2.53	2.083	6.95	3.583	12.01	5.08	3.16
0.600	2.53	2.100	6.95	3.600	12.01	5.10	3.16
0.617	2.53	2.117	6.95	3.617	12.01	5.12	3.16
0.633	2.53	2.133	6.95	3.633	12.01	5.13	3.16
0.650	2.53	2.150	6.95	3.650	12.01	5.15	3.16
0.667	2.53	2.167	6.95	3.667	12.01	5.17	3.16
0.683	2.53	2.183	6.95	3.683	12.01	5.18	3.16
0.700	2.53	2.200	6.95	3.700	12.01	5.20	3.16
0.717	2.53	2.217	6.95	3.717	12.01	5.22	3.16
0.733	2.53	2.233	6.95	3.733	12.01	5.23	3.16
0.750	2.53	2.250	6.95	3.750	12.01	5.25	3.16
0.767	2.53	2.267	8.85	3.767	7.59	5.27	2.53
0.783	2.53	2.283	8.85	3.783	7.59	5.28	2.53
0.800	2.53	2.300	8.85	3.800	7.59	5.30	2.53
0.817	2.53	2.317	8.85	3.817	7.59	5.32	2.53
0.833	2.53	2.333	8.85	3.833	7.59	5.33	2.53
0.850	2.53	2.350	8.85	3.850	7.59	5.35	2.53
0.867	2.53	2.367	8.85	3.867	7.59	5.37	2.53
0.883	2.53	2.383	8.85	3.883	7.59	5.38	2.53
0.900	2.53	2.400	8.85	3.900	7.59	5.40	2.53
0.917	2.53	2.417	8.85	3.917	7.59	5.42	2.53
0.933	2.53	2.433	8.85	3.933	7.59	5.43	2.53
0.950	2.53	2.450	8.85	3.950	7.59	5.45	2.53
0.967	2.53	2.467	8.85	3.967	7.59	5.47	2.53
0.983	2.53	2.483	8.85	3.983	7.59	5.48	2.53
1.000	2.53	2.500	8.85	4.000	7.59	5.50	2.53
1.017	3.79	2.517	36.66	4.017	6.32	5.52	2.53
1.033	3.79	2.533	36.66	4.033	6.32	5.53	2.53
1.050	3.79	2.550	36.66	4.050	6.32	5.55	2.53
1.067	3.79	2.567	36.66	4.067	6.32	5.57	2.53
1.083	3.79	2.583	36.66	4.083	6.32	5.58	2.53
1.100	3.79	2.600	36.66	4.100	6.32	5.60	2.53
1.117	3.79	2.617	36.66	4.117	6.32	5.62	2.53
1.133	3.79	2.633	36.66	4.133	6.32	5.63	2.53
1.150	3.79	2.650	36.66	4.150	6.32	5.65	2.53
1.167	3.79	2.667	36.66	4.167	6.32	5.67	2.53
1.183	3.79	2.683	36.66	4.183	6.32	5.68	2.53
1.200	3.79	2.700	36.66	4.200	6.32	5.70	2.53
1.217	3.79	2.717	36.66	4.217	6.32	5.72	2.53
1.233	3.79	2.733	36.66	4.233	6.32	5.73	2.53
1.250	3.79	2.750	36.66	4.250	6.32	5.75	2.53
1.267	5.06	2.767	64.47	4.267	5.06	5.77	2.53
1.283	5.06	2.783	64.47	4.283	5.06	5.78	2.53
1.300	5.06	2.800	64.47	4.300	5.06	5.80	2.53
1.317	5.06	2.817	64.47	4.317	5.06	5.82	2.53
1.333	5.06	2.833	64.47	4.333	5.06	5.83	2.53
1.350	5.06	2.850	64.47	4.350	5.06	5.85	2.53
1.367	5.06	2.867	64.47	4.367	5.06	5.87	2.53
1.383	5.06	2.883	64.47	4.383	5.06	5.88	2.53
1.400	5.06	2.900	64.47	4.400	5.06	5.90	2.53
1.417	5.06	2.917	64.47	4.417	5.06	5.92	2.53
1.433	5.06	2.933	64.47	4.433	5.06	5.93	2.53
1.450	5.06	2.950	64.47	4.450	5.06	5.95	2.53
1.467	5.06	2.967	64.47	4.467	5.06	5.97	2.53
1.483	5.06	2.983	64.47	4.483	5.06	5.98	2.53
1.500	5.06	3.000	64.47	4.500	5.06	6.00	2.52

Max.Eff.Inten.(mm/hr)= 64.47 12.99
over (min) 5.00 8.00
Storage Coeff. (min)= 0.99 (ii) 7.55 (ii)
Unit Hyd. Tpeak (min)= 5.00 8.00
Unit Hyd. peak (cms)= 0.48 0.15

TOTALS

PEAK FLOW (cms)= 0.02 0.00 0.026 (iii)
TIME TO PEAK (hrs)= 3.00 3.10 3.00
RUNOFF VOLUME (mm)= 60.89 12.22 43.84
TOTAL RAINFALL (mm)= 62.89 62.89 62.89
RUNOFF COEFFICIENT = 0.97 0.19 0.70

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0001):	19.50	0.167	4.88	31.02
+ ID2= 2 (0202):	0.21	0.026	3.00	43.84
=====				
ID = 3 (0015):	19.71	0.169	4.80	31.16

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:2.5 SCS II 6hr 50yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData ata\Local\Temp\ ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\18df2be1
Ptotal= 69.98 mm	Comments: SCS 6 HOUR TYPE II STORM DISTRIBUTION

Duration of storm = 6.00 hrs
 Mass curve time step = 30.00 min
 New Storm time step = 15.00 min

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	1.40	1.50	5.60	3.00	44.79	4.50	4.90
0.25	2.80	1.75	5.60	3.25	18.19	4.75	4.20
0.50	2.80	2.00	7.70	3.50	13.30	5.00	3.50
0.75	2.80	2.25	9.80	3.75	8.40	5.25	2.80
1.00	4.20	2.50	40.59	4.00	7.00	5.50	2.80
1.25	5.60	2.75	71.38	4.25	5.60	5.75	2.80

CALIB STANDHYD (0201)	Area (ha)= 19.50	
ID= 1 DT= 1.0 min	Total Imp(%)= 62.00	Dir. Conn.(%)= 48.00

	IMPERVIOUS (ha)	PERVIOUS (i)
Surface Area	12.09	7.41
Dep. Storage	2.00	5.00
Average Slope	1.00	2.00
Length	298.34	40.00
Mannings n	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.40	1.517	5.60	3.017	44.79	4.52	4.90
0.033	1.40	1.533	5.60	3.033	44.79	4.53	4.90
0.050	1.40	1.550	5.60	3.050	44.79	4.55	4.90
0.067	1.40	1.567	5.60	3.067	44.79	4.57	4.90
0.083	1.40	1.583	5.60	3.083	44.79	4.58	4.90
0.100	1.40	1.600	5.60	3.100	44.79	4.60	4.90
0.117	1.40	1.617	5.60	3.117	44.79	4.62	4.90
0.133	1.40	1.633	5.60	3.133	44.79	4.63	4.90
0.150	1.40	1.650	5.60	3.150	44.79	4.65	4.90
0.167	1.40	1.667	5.60	3.167	44.79	4.67	4.90
0.183	1.40	1.683	5.60	3.183	44.79	4.68	4.90
0.200	1.40	1.700	5.60	3.200	44.79	4.70	4.90
0.217	1.40	1.717	5.60	3.217	44.79	4.72	4.90
0.233	1.40	1.733	5.60	3.233	44.79	4.73	4.90
0.250	1.40	1.750	5.60	3.250	44.79	4.75	4.90
0.267	2.80	1.767	5.60	3.267	18.20	4.77	4.20
0.283	2.80	1.783	5.60	3.283	18.19	4.78	4.20
0.300	2.80	1.800	5.60	3.300	18.19	4.80	4.20
0.317	2.80	1.817	5.60	3.317	18.19	4.82	4.20
0.333	2.80	1.833	5.60	3.333	18.19	4.83	4.20
0.350	2.80	1.850	5.60	3.350	18.19	4.85	4.20
0.367	2.80	1.867	5.60	3.367	18.19	4.87	4.20
0.383	2.80	1.883	5.60	3.383	18.19	4.88	4.20
0.400	2.80	1.900	5.60	3.400	18.19	4.90	4.20
0.417	2.80	1.917	5.60	3.417	18.19	4.92	4.20
0.433	2.80	1.933	5.60	3.433	18.19	4.93	4.20
0.450	2.80	1.950	5.60	3.450	18.19	4.95	4.20
0.467	2.80	1.967	5.60	3.467	18.19	4.97	4.20
0.483	2.80	1.983	5.60	3.483	18.19	4.98	4.20
0.500	2.80	2.000	5.60	3.500	18.19	5.00	4.20

0.517	2.80	2.017	7.70	3.517	13.30	5.02	3.50
0.533	2.80	2.033	7.70	3.533	13.30	5.03	3.50
0.550	2.80	2.050	7.70	3.550	13.30	5.05	3.50
0.567	2.80	2.067	7.70	3.567	13.30	5.07	3.50
0.583	2.80	2.083	7.70	3.583	13.30	5.08	3.50
0.600	2.80	2.100	7.70	3.600	13.30	5.10	3.50
0.617	2.80	2.117	7.70	3.617	13.30	5.12	3.50
0.633	2.80	2.133	7.70	3.633	13.30	5.13	3.50
0.650	2.80	2.150	7.70	3.650	13.30	5.15	3.50
0.667	2.80	2.167	7.70	3.667	13.30	5.17	3.50
0.683	2.80	2.183	7.70	3.683	13.30	5.18	3.50
0.700	2.80	2.200	7.70	3.700	13.30	5.20	3.50
0.717	2.80	2.217	7.70	3.717	13.30	5.22	3.50
0.733	2.80	2.233	7.70	3.733	13.30	5.23	3.50
0.750	2.80	2.250	7.70	3.750	13.30	5.25	3.50
0.767	2.80	2.267	9.80	3.767	8.40	5.27	2.80
0.783	2.80	2.283	9.80	3.783	8.40	5.28	2.80
0.800	2.80	2.300	9.80	3.800	8.40	5.30	2.80
0.817	2.80	2.317	9.80	3.817	8.40	5.32	2.80
0.833	2.80	2.333	9.80	3.833	8.40	5.33	2.80
0.850	2.80	2.350	9.80	3.850	8.40	5.35	2.80
0.867	2.80	2.367	9.80	3.867	8.40	5.37	2.80
0.883	2.80	2.383	9.80	3.883	8.40	5.38	2.80
0.900	2.80	2.400	9.80	3.900	8.40	5.40	2.80
0.917	2.80	2.417	9.80	3.917	8.40	5.42	2.80
0.933	2.80	2.433	9.80	3.933	8.40	5.43	2.80
0.950	2.80	2.450	9.80	3.950	8.40	5.45	2.80
0.967	2.80	2.467	9.80	3.967	8.40	5.47	2.80
0.983	2.80	2.483	9.80	3.983	8.40	5.48	2.80
1.000	2.80	2.500	9.80	4.000	8.40	5.50	2.80
1.017	4.20	2.517	40.59	4.017	7.00	5.52	2.80
1.033	4.20	2.533	40.59	4.033	7.00	5.53	2.80
1.050	4.20	2.550	40.59	4.050	7.00	5.55	2.80
1.067	4.20	2.567	40.59	4.067	7.00	5.57	2.80
1.083	4.20	2.583	40.59	4.083	7.00	5.58	2.80
1.100	4.20	2.600	40.59	4.100	7.00	5.60	2.80
1.117	4.20	2.617	40.59	4.117	7.00	5.62	2.80
1.133	4.20	2.633	40.59	4.133	7.00	5.63	2.80
1.150	4.20	2.650	40.59	4.150	7.00	5.65	2.80
1.167	4.20	2.667	40.59	4.167	7.00	5.67	2.80
1.183	4.20	2.683	40.59	4.183	7.00	5.68	2.80
1.200	4.20	2.700	40.59	4.200	7.00	5.70	2.80
1.217	4.20	2.717	40.59	4.217	7.00	5.72	2.80
1.233	4.20	2.733	40.59	4.233	7.00	5.73	2.80
1.250	4.20	2.750	40.59	4.250	7.00	5.75	2.80
1.267	5.60	2.767	71.38	4.267	5.60	5.77	2.80
1.283	5.60	2.783	71.38	4.283	5.60	5.78	2.80
1.300	5.60	2.800	71.38	4.300	5.60	5.80	2.80
1.317	5.60	2.817	71.38	4.317	5.60	5.82	2.80
1.333	5.60	2.833	71.38	4.333	5.60	5.83	2.80
1.350	5.60	2.850	71.38	4.350	5.60	5.85	2.80
1.367	5.60	2.867	71.38	4.367	5.60	5.87	2.80
1.383	5.60	2.883	71.38	4.383	5.60	5.88	2.80
1.400	5.60	2.900	71.38	4.400	5.60	5.90	2.80
1.417	5.60	2.917	71.38	4.417	5.60	5.92	2.80
1.433	5.60	2.933	71.38	4.433	5.60	5.93	2.80
1.450	5.60	2.950	71.38	4.450	5.60	5.95	2.80
1.467	5.60	2.967	71.38	4.467	5.60	5.97	2.80
1.483	5.60	2.983	71.38	4.483	5.60	5.98	2.80
1.500	5.60	3.000	71.38	4.500	5.60	6.00	2.80

Max.Eff.Inten.(mm/hr)=	71.38	28.94
over (min)	6.00	13.00
Storage Coeff. (min)=	5.63 (ii)	12.99 (ii)
Unit Hyd. Tpeak (min)=	6.00	13.00
Unit Hyd. peak (cms)=	0.20	0.09

TOTALS
2.082 (iii)

PEAK FLOW (cms)=	1.76	0.45	
TIME TO PEAK (hrs)=	3.02	3.28	3.03
RUNOFF VOLUME (mm)=	67.63	19.42	42.56
TOTAL RAINFALL (mm)=	69.63	69.63	69.63
RUNOFF COEFFICIENT =	0.97	0.28	0.61

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001) | OVERFLOW IS OFF
IN= 2--> OUT=1 |

DT= 5.0 min	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	0.1330	0.5200
	0.0380	0.2900	0.1650	0.5800
	0.0680	0.3850	0.2000	0.6300
	0.0940	0.4500	0.4800	1.1000

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)	19.500	2.082	3.03	42.56
OUTFLOW: ID= 1 (0001)	19.500	0.210	4.72	35.69

PEAK FLOW REDUCTION [Qout/Qin](%)= 10.08
TIME SHIFT OF PEAK FLOW (min)=101.00
MAXIMUM STORAGE USED (ha.m.)= 0.6465

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB STANDHYD (0202) ID= 1 DT= 1.0 min	Area (ha)= 0.21 Total Imp(%)= 65.00	Dir. Conn.(%)= 65.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.14	0.07
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	15.25	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.40	1.517	5.60	3.017	44.79	4.52	4.90
0.033	1.40	1.533	5.60	3.033	44.79	4.53	4.90
0.050	1.40	1.550	5.60	3.050	44.79	4.55	4.90
0.067	1.40	1.567	5.60	3.067	44.79	4.57	4.90
0.083	1.40	1.583	5.60	3.083	44.79	4.58	4.90
0.100	1.40	1.600	5.60	3.100	44.79	4.60	4.90
0.117	1.40	1.617	5.60	3.117	44.79	4.62	4.90
0.133	1.40	1.633	5.60	3.133	44.79	4.63	4.90
0.150	1.40	1.650	5.60	3.150	44.79	4.65	4.90
0.167	1.40	1.667	5.60	3.167	44.79	4.67	4.90
0.183	1.40	1.683	5.60	3.183	44.79	4.68	4.90
0.200	1.40	1.700	5.60	3.200	44.79	4.70	4.90
0.217	1.40	1.717	5.60	3.217	44.79	4.72	4.90
0.233	1.40	1.733	5.60	3.233	44.79	4.73	4.90
0.250	1.40	1.750	5.60	3.250	44.79	4.75	4.90
0.267	2.80	1.767	5.60	3.267	18.20	4.77	4.20
0.283	2.80	1.783	5.60	3.283	18.19	4.78	4.20
0.300	2.80	1.800	5.60	3.300	18.19	4.80	4.20
0.317	2.80	1.817	5.60	3.317	18.19	4.82	4.20
0.333	2.80	1.833	5.60	3.333	18.19	4.83	4.20
0.350	2.80	1.850	5.60	3.350	18.19	4.85	4.20
0.367	2.80	1.867	5.60	3.367	18.19	4.87	4.20
0.383	2.80	1.883	5.60	3.383	18.19	4.88	4.20
0.400	2.80	1.900	5.60	3.400	18.19	4.90	4.20
0.417	2.80	1.917	5.60	3.417	18.19	4.92	4.20
0.433	2.80	1.933	5.60	3.433	18.19	4.93	4.20
0.450	2.80	1.950	5.60	3.450	18.19	4.95	4.20
0.467	2.80	1.967	5.60	3.467	18.19	4.97	4.20
0.483	2.80	1.983	5.60	3.483	18.19	4.98	4.20
0.500	2.80	2.000	5.60	3.500	18.19	5.00	4.20
0.517	2.80	2.017	7.70	3.517	13.30	5.02	3.50
0.533	2.80	2.033	7.70	3.533	13.30	5.03	3.50
0.550	2.80	2.050	7.70	3.550	13.30	5.05	3.50
0.567	2.80	2.067	7.70	3.567	13.30	5.07	3.50
0.583	2.80	2.083	7.70	3.583	13.30	5.08	3.50
0.600	2.80	2.100	7.70	3.600	13.30	5.10	3.50
0.617	2.80	2.117	7.70	3.617	13.30	5.12	3.50
0.633	2.80	2.133	7.70	3.633	13.30	5.13	3.50
0.650	2.80	2.150	7.70	3.650	13.30	5.15	3.50
0.667	2.80	2.167	7.70	3.667	13.30	5.17	3.50
0.683	2.80	2.183	7.70	3.683	13.30	5.18	3.50
0.700	2.80	2.200	7.70	3.700	13.30	5.20	3.50
0.717	2.80	2.217	7.70	3.717	13.30	5.22	3.50
0.733	2.80	2.233	7.70	3.733	13.30	5.23	3.50
0.750	2.80	2.250	7.70	3.750	13.30	5.25	3.50
0.767	2.80	2.267	9.80	3.767	8.40	5.27	2.80
0.783	2.80	2.283	9.80	3.783	8.40	5.28	2.80
0.800	2.80	2.300	9.80	3.800	8.40	5.30	2.80

0.817	2.80	2.317	9.80	3.817	8.40	5.32	2.80
0.833	2.80	2.333	9.80	3.833	8.40	5.33	2.80
0.850	2.80	2.350	9.80	3.850	8.40	5.35	2.80
0.867	2.80	2.367	9.80	3.867	8.40	5.37	2.80
0.883	2.80	2.383	9.80	3.883	8.40	5.38	2.80
0.900	2.80	2.400	9.80	3.900	8.40	5.40	2.80
0.917	2.80	2.417	9.80	3.917	8.40	5.42	2.80
0.933	2.80	2.433	9.80	3.933	8.40	5.43	2.80
0.950	2.80	2.450	9.80	3.950	8.40	5.45	2.80
0.967	2.80	2.467	9.80	3.967	8.40	5.47	2.80
0.983	2.80	2.483	9.80	3.983	8.40	5.48	2.80
1.000	2.80	2.500	9.80	4.000	8.40	5.50	2.80
1.017	4.20	2.517	40.59	4.017	7.00	5.52	2.80
1.033	4.20	2.533	40.59	4.033	7.00	5.53	2.80
1.050	4.20	2.550	40.59	4.050	7.00	5.55	2.80
1.067	4.20	2.567	40.59	4.067	7.00	5.57	2.80
1.083	4.20	2.583	40.59	4.083	7.00	5.58	2.80
1.100	4.20	2.600	40.59	4.100	7.00	5.60	2.80
1.117	4.20	2.617	40.59	4.117	7.00	5.62	2.80
1.133	4.20	2.633	40.59	4.133	7.00	5.63	2.80
1.150	4.20	2.650	40.59	4.150	7.00	5.65	2.80
1.167	4.20	2.667	40.59	4.167	7.00	5.67	2.80
1.183	4.20	2.683	40.59	4.183	7.00	5.68	2.80
1.200	4.20	2.700	40.59	4.200	7.00	5.70	2.80
1.217	4.20	2.717	40.59	4.217	7.00	5.72	2.80
1.233	4.20	2.733	40.59	4.233	7.00	5.73	2.80
1.250	4.20	2.750	40.59	4.250	7.00	5.75	2.80
1.267	5.60	2.767	71.38	4.267	5.60	5.77	2.80
1.283	5.60	2.783	71.38	4.283	5.60	5.78	2.80
1.300	5.60	2.800	71.38	4.300	5.60	5.80	2.80
1.317	5.60	2.817	71.38	4.317	5.60	5.82	2.80
1.333	5.60	2.833	71.38	4.333	5.60	5.83	2.80
1.350	5.60	2.850	71.38	4.350	5.60	5.85	2.80
1.367	5.60	2.867	71.38	4.367	5.60	5.87	2.80
1.383	5.60	2.883	71.38	4.383	5.60	5.88	2.80
1.400	5.60	2.900	71.38	4.400	5.60	5.90	2.80
1.417	5.60	2.917	71.38	4.417	5.60	5.92	2.80
1.433	5.60	2.933	71.38	4.433	5.60	5.93	2.80
1.450	5.60	2.950	71.38	4.450	5.60	5.95	2.80
1.467	5.60	2.967	71.38	4.467	5.60	5.97	2.80
1.483	5.60	2.983	71.38	4.483	5.60	5.98	2.80
1.500	5.60	3.000	71.38	4.500	5.60	6.00	2.80

Max.Eff.Inten.(mm/hr)=	71.38	15.89	
over (min)	5.00	8.00	
Storage Coeff. (min)=	0.95 (ii)	7.25 (ii)	
Unit Hyd. Tpeak (min)=	5.00	8.00	
Unit Hyd. peak (cms)=	0.48	0.15	
			TOTALS
PEAK FLOW (cms)=	0.03	0.00	0.030 (iii)
TIME TO PEAK (hrs)=	3.00	3.10	3.00
RUNOFF VOLUME (mm)=	67.63	14.86	49.14
TOTAL RAINFALL (mm)=	69.63	69.63	69.63
RUNOFF COEFFICIENT =	0.97	0.21	0.71

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)				
1 + 2 = 3				
ID1= 1 (0001):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
+ ID2= 2 (0202):	19.50	0.210	4.72	35.69
	0.21	0.030	3.00	49.14
ID = 3 (0015):	19.71	0.212	4.70	35.83

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:2.6 SCS II 6hr 100yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData ata\Local\Temp\ ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\6b2a3b2b
Ptotal= 76.57 mm	Comments: SCS 6 HOUR TYPE II STORM DISTRIBUTION

Duration of storm = 6.00 hrs
 Mass curve time step = 30.00 min
 New Storm time step = 15.00 min

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	1.53	1.50	6.13	3.00	49.00	4.50	5.36
0.25	3.06	1.75	6.13	3.25	19.91	4.75	4.59
0.50	3.06	2.00	8.42	3.50	14.55	5.00	3.83
0.75	3.06	2.25	10.72	3.75	9.19	5.25	3.06
1.00	4.59	2.50	44.41	4.00	7.66	5.50	3.06
1.25	6.13	2.75	78.10	4.25	6.13	5.75	3.06

CALIB
 STANDHYD (0201)
 ID= 1 DT= 1.0 min

Area (ha)= 19.50
 Total Imp(%)= 62.00 Dir. Conn.(%)= 48.00

IMPERVIOUS PERVIOUS (i)
 Surface Area (ha)= 12.09 7.41
 Dep. Storage (mm)= 2.00 5.00
 Average Slope (%)= 1.00 2.00
 Length (m)= 298.34 40.00
 Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.53	1.517	6.13	3.017	49.01	4.52	5.36
0.033	1.53	1.533	6.13	3.033	49.00	4.53	5.36
0.050	1.53	1.550	6.13	3.050	49.00	4.55	5.36
0.067	1.53	1.567	6.13	3.067	49.00	4.57	5.36
0.083	1.53	1.583	6.13	3.083	49.00	4.58	5.36
0.100	1.53	1.600	6.13	3.100	49.00	4.60	5.36
0.117	1.53	1.617	6.13	3.117	49.00	4.62	5.36
0.133	1.53	1.633	6.13	3.133	49.00	4.63	5.36
0.150	1.53	1.650	6.13	3.150	49.00	4.65	5.36
0.167	1.53	1.667	6.13	3.167	49.00	4.67	5.36
0.183	1.53	1.683	6.13	3.183	49.00	4.68	5.36
0.200	1.53	1.700	6.13	3.200	49.00	4.70	5.36
0.217	1.53	1.717	6.13	3.217	49.00	4.72	5.36
0.233	1.53	1.733	6.13	3.233	49.00	4.73	5.36
0.250	1.53	1.750	6.13	3.250	49.00	4.75	5.36
0.267	3.06	1.767	6.13	3.267	19.91	4.77	4.59
0.283	3.06	1.783	6.13	3.283	19.91	4.78	4.59
0.300	3.06	1.800	6.13	3.300	19.91	4.80	4.59
0.317	3.06	1.817	6.13	3.317	19.91	4.82	4.59
0.333	3.06	1.833	6.13	3.333	19.91	4.83	4.59
0.350	3.06	1.850	6.13	3.350	19.91	4.85	4.59
0.367	3.06	1.867	6.13	3.367	19.91	4.87	4.59
0.383	3.06	1.883	6.13	3.383	19.91	4.88	4.59
0.400	3.06	1.900	6.13	3.400	19.91	4.90	4.59
0.417	3.06	1.917	6.13	3.417	19.91	4.92	4.59
0.433	3.06	1.933	6.13	3.433	19.91	4.93	4.59
0.450	3.06	1.950	6.13	3.450	19.91	4.95	4.59
0.467	3.06	1.967	6.13	3.467	19.91	4.97	4.59
0.483	3.06	1.983	6.13	3.483	19.91	4.98	4.59
0.500	3.06	2.000	6.13	3.500	19.91	5.00	4.59
0.517	3.06	2.017	8.42	3.517	14.55	5.02	3.83
0.533	3.06	2.033	8.42	3.533	14.55	5.03	3.83
0.550	3.06	2.050	8.42	3.550	14.55	5.05	3.83
0.567	3.06	2.067	8.42	3.567	14.55	5.07	3.83
0.583	3.06	2.083	8.42	3.583	14.55	5.08	3.83
0.600	3.06	2.100	8.42	3.600	14.55	5.10	3.83
0.617	3.06	2.117	8.42	3.617	14.55	5.12	3.83
0.633	3.06	2.133	8.42	3.633	14.55	5.13	3.83
0.650	3.06	2.150	8.42	3.650	14.55	5.15	3.83
0.667	3.06	2.167	8.42	3.667	14.55	5.17	3.83
0.683	3.06	2.183	8.42	3.683	14.55	5.18	3.83
0.700	3.06	2.200	8.42	3.700	14.55	5.20	3.83
0.717	3.06	2.217	8.42	3.717	14.55	5.22	3.83
0.733	3.06	2.233	8.42	3.733	14.55	5.23	3.83
0.750	3.06	2.250	8.42	3.750	14.55	5.25	3.83
0.767	3.06	2.267	10.72	3.767	9.19	5.27	3.06
0.783	3.06	2.283	10.72	3.783	9.19	5.28	3.06
0.800	3.06	2.300	10.72	3.800	9.19	5.30	3.06
0.817	3.06	2.317	10.72	3.817	9.19	5.32	3.06
0.833	3.06	2.333	10.72	3.833	9.19	5.33	3.06

0.850	3.06	2.350	10.72	3.850	9.19	5.35	3.06
0.867	3.06	2.367	10.72	3.867	9.19	5.37	3.06
0.883	3.06	2.383	10.72	3.883	9.19	5.38	3.06
0.900	3.06	2.400	10.72	3.900	9.19	5.40	3.06
0.917	3.06	2.417	10.72	3.917	9.19	5.42	3.06
0.933	3.06	2.433	10.72	3.933	9.19	5.43	3.06
0.950	3.06	2.450	10.72	3.950	9.19	5.45	3.06
0.967	3.06	2.467	10.72	3.967	9.19	5.47	3.06
0.983	3.06	2.483	10.72	3.983	9.19	5.48	3.06
1.000	3.06	2.500	10.72	4.000	9.19	5.50	3.06
1.017	4.59	2.517	44.41	4.017	7.66	5.52	3.06
1.033	4.59	2.533	44.41	4.033	7.66	5.53	3.06
1.050	4.59	2.550	44.41	4.050	7.66	5.55	3.06
1.067	4.59	2.567	44.41	4.067	7.66	5.57	3.06
1.083	4.59	2.583	44.41	4.083	7.66	5.58	3.06
1.100	4.59	2.600	44.41	4.100	7.66	5.60	3.06
1.117	4.59	2.617	44.41	4.117	7.66	5.62	3.06
1.133	4.59	2.633	44.41	4.133	7.66	5.63	3.06
1.150	4.59	2.650	44.41	4.150	7.66	5.65	3.06
1.167	4.59	2.667	44.41	4.167	7.66	5.67	3.06
1.183	4.59	2.683	44.41	4.183	7.66	5.68	3.06
1.200	4.59	2.700	44.41	4.200	7.66	5.70	3.06
1.217	4.59	2.717	44.41	4.217	7.66	5.72	3.06
1.233	4.59	2.733	44.41	4.233	7.66	5.73	3.06
1.250	4.59	2.750	44.41	4.250	7.66	5.75	3.06
1.267	6.13	2.767	78.10	4.267	6.13	5.77	3.06
1.283	6.13	2.783	78.10	4.283	6.13	5.78	3.06
1.300	6.13	2.800	78.10	4.300	6.13	5.80	3.06
1.317	6.13	2.817	78.10	4.317	6.13	5.82	3.06
1.333	6.13	2.833	78.10	4.333	6.13	5.83	3.06
1.350	6.13	2.850	78.10	4.350	6.13	5.85	3.06
1.367	6.13	2.867	78.10	4.367	6.13	5.87	3.06
1.383	6.13	2.883	78.10	4.383	6.13	5.88	3.06
1.400	6.13	2.900	78.10	4.400	6.13	5.90	3.06
1.417	6.13	2.917	78.10	4.417	6.13	5.92	3.06
1.433	6.13	2.933	78.10	4.433	6.13	5.93	3.06
1.450	6.13	2.950	78.10	4.450	6.13	5.95	3.06
1.467	6.13	2.967	78.10	4.467	6.13	5.97	3.06
1.483	6.13	2.983	78.10	4.483	6.13	5.98	3.06
1.500	6.13	3.000	78.10	4.500	6.13	6.00	3.06

Max.Eff.Inten.(mm/hr)=	78.10	34.15	
over (min)	5.00	13.00	
Storage Coeff. (min)=	5.43 (ii)	12.53 (ii)	
Unit Hyd. Tpeak (min)=	5.00	13.00	
Unit Hyd. peak (cms)=	0.21	0.09	
			TOTALS
PEAK FLOW (cms)=	1.94	0.53	2.323 (iii)
TIME TO PEAK (hrs)=	3.00	3.27	3.02
RUNOFF VOLUME (mm)=	74.18	22.81	47.47
TOTAL RAINFALL (mm)=	76.19	76.19	76.19
RUNOFF COEFFICIENT =	0.97	0.30	0.62

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 5.0 min				
	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	0.1330	0.5200
	0.0380	0.2900	0.1650	0.5800
	0.0680	0.3850	0.2000	0.6300
	0.0940	0.4500	0.4800	1.1000
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)	19.500	2.323	3.02	47.47
OUTFLOW: ID= 1 (0001)	19.500	0.248	4.60	40.36
	PEAK FLOW REDUCTION [Qout/Qin](%)=	10.69		
	TIME SHIFT OF PEAK FLOW (min)=	95.00		
	MAXIMUM STORAGE USED (ha.m.)=	0.7113		

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

STANDHYD (0202) | Area (ha)= 0.21
 ID= 1 DT= 1.0 min | Total Imp(%)= 65.00 Dir. Conn.(%)= 65.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.14	0.07
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	15.25	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.53	1.517	6.13	3.017	49.01	4.52	5.36
0.033	1.53	1.533	6.13	3.033	49.00	4.53	5.36
0.050	1.53	1.550	6.13	3.050	49.00	4.55	5.36
0.067	1.53	1.567	6.13	3.067	49.00	4.57	5.36
0.083	1.53	1.583	6.13	3.083	49.00	4.58	5.36
0.100	1.53	1.600	6.13	3.100	49.00	4.60	5.36
0.117	1.53	1.617	6.13	3.117	49.00	4.62	5.36
0.133	1.53	1.633	6.13	3.133	49.00	4.63	5.36
0.150	1.53	1.650	6.13	3.150	49.00	4.65	5.36
0.167	1.53	1.667	6.13	3.167	49.00	4.67	5.36
0.183	1.53	1.683	6.13	3.183	49.00	4.68	5.36
0.200	1.53	1.700	6.13	3.200	49.00	4.70	5.36
0.217	1.53	1.717	6.13	3.217	49.00	4.72	5.36
0.233	1.53	1.733	6.13	3.233	49.00	4.73	5.36
0.250	1.53	1.750	6.13	3.250	49.00	4.75	5.36
0.267	3.06	1.767	6.13	3.267	19.91	4.77	4.59
0.283	3.06	1.783	6.13	3.283	19.91	4.78	4.59
0.300	3.06	1.800	6.13	3.300	19.91	4.80	4.59
0.317	3.06	1.817	6.13	3.317	19.91	4.82	4.59
0.333	3.06	1.833	6.13	3.333	19.91	4.83	4.59
0.350	3.06	1.850	6.13	3.350	19.91	4.85	4.59
0.367	3.06	1.867	6.13	3.367	19.91	4.87	4.59
0.383	3.06	1.883	6.13	3.383	19.91	4.88	4.59
0.400	3.06	1.900	6.13	3.400	19.91	4.90	4.59
0.417	3.06	1.917	6.13	3.417	19.91	4.92	4.59
0.433	3.06	1.933	6.13	3.433	19.91	4.93	4.59
0.450	3.06	1.950	6.13	3.450	19.91	4.95	4.59
0.467	3.06	1.967	6.13	3.467	19.91	4.97	4.59
0.483	3.06	1.983	6.13	3.483	19.91	4.98	4.59
0.500	3.06	2.000	6.13	3.500	19.91	5.00	4.59
0.517	3.06	2.017	8.42	3.517	14.55	5.02	3.83
0.533	3.06	2.033	8.42	3.533	14.55	5.03	3.83
0.550	3.06	2.050	8.42	3.550	14.55	5.05	3.83
0.567	3.06	2.067	8.42	3.567	14.55	5.07	3.83
0.583	3.06	2.083	8.42	3.583	14.55	5.08	3.83
0.600	3.06	2.100	8.42	3.600	14.55	5.10	3.83
0.617	3.06	2.117	8.42	3.617	14.55	5.12	3.83
0.633	3.06	2.133	8.42	3.633	14.55	5.13	3.83
0.650	3.06	2.150	8.42	3.650	14.55	5.15	3.83
0.667	3.06	2.167	8.42	3.667	14.55	5.17	3.83
0.683	3.06	2.183	8.42	3.683	14.55	5.18	3.83
0.700	3.06	2.200	8.42	3.700	14.55	5.20	3.83
0.717	3.06	2.217	8.42	3.717	14.55	5.22	3.83
0.733	3.06	2.233	8.42	3.733	14.55	5.23	3.83
0.750	3.06	2.250	8.42	3.750	14.55	5.25	3.83
0.767	3.06	2.267	10.72	3.767	9.19	5.27	3.06
0.783	3.06	2.283	10.72	3.783	9.19	5.28	3.06
0.800	3.06	2.300	10.72	3.800	9.19	5.30	3.06
0.817	3.06	2.317	10.72	3.817	9.19	5.32	3.06
0.833	3.06	2.333	10.72	3.833	9.19	5.33	3.06
0.850	3.06	2.350	10.72	3.850	9.19	5.35	3.06
0.867	3.06	2.367	10.72	3.867	9.19	5.37	3.06
0.883	3.06	2.383	10.72	3.883	9.19	5.38	3.06
0.900	3.06	2.400	10.72	3.900	9.19	5.40	3.06
0.917	3.06	2.417	10.72	3.917	9.19	5.42	3.06
0.933	3.06	2.433	10.72	3.933	9.19	5.43	3.06
0.950	3.06	2.450	10.72	3.950	9.19	5.45	3.06
0.967	3.06	2.467	10.72	3.967	9.19	5.47	3.06
0.983	3.06	2.483	10.72	3.983	9.19	5.48	3.06
1.000	3.06	2.500	10.72	4.000	9.19	5.50	3.06
1.017	4.59	2.517	44.41	4.017	7.66	5.52	3.06
1.033	4.59	2.533	44.41	4.033	7.66	5.53	3.06
1.050	4.59	2.550	44.41	4.050	7.66	5.55	3.06
1.067	4.59	2.567	44.41	4.067	7.66	5.57	3.06
1.083	4.59	2.583	44.41	4.083	7.66	5.58	3.06
1.100	4.59	2.600	44.41	4.100	7.66	5.60	3.06
1.117	4.59	2.617	44.41	4.117	7.66	5.62	3.06
1.133	4.59	2.633	44.41	4.133	7.66	5.63	3.06

1.150	4.59	2.650	44.41	4.150	7.66	5.65	3.06
1.167	4.59	2.667	44.41	4.167	7.66	5.67	3.06
1.183	4.59	2.683	44.41	4.183	7.66	5.68	3.06
1.200	4.59	2.700	44.41	4.200	7.66	5.70	3.06
1.217	4.59	2.717	44.41	4.217	7.66	5.72	3.06
1.233	4.59	2.733	44.41	4.233	7.66	5.73	3.06
1.250	4.59	2.750	44.41	4.250	7.66	5.75	3.06
1.267	6.13	2.767	78.10	4.267	6.13	5.77	3.06
1.283	6.13	2.783	78.10	4.283	6.13	5.78	3.06
1.300	6.13	2.800	78.10	4.300	6.13	5.80	3.06
1.317	6.13	2.817	78.10	4.317	6.13	5.82	3.06
1.333	6.13	2.833	78.10	4.333	6.13	5.83	3.06
1.350	6.13	2.850	78.10	4.350	6.13	5.85	3.06
1.367	6.13	2.867	78.10	4.367	6.13	5.87	3.06
1.383	6.13	2.883	78.10	4.383	6.13	5.88	3.06
1.400	6.13	2.900	78.10	4.400	6.13	5.90	3.06
1.417	6.13	2.917	78.10	4.417	6.13	5.92	3.06
1.433	6.13	2.933	78.10	4.433	6.13	5.93	3.06
1.450	6.13	2.950	78.10	4.450	6.13	5.95	3.06
1.467	6.13	2.967	78.10	4.467	6.13	5.97	3.06
1.483	6.13	2.983	78.10	4.483	6.13	5.98	3.06
1.500	6.13	3.000	78.10	4.500	6.13	6.00	3.06

Max.Eff.Inten.(mm/hr)= 78.10 18.94
over (min) 5.00 7.00
Storage Coeff. (min)= 0.91 (ii) 6.99 (ii)
Unit Hyd. Tpeak (min)= 5.00 7.00
Unit Hyd. peak (cms)= 0.49 0.16

TOTALS

PEAK FLOW (cms)= 0.03 0.00 0.033 (iii)
TIME TO PEAK (hrs)= 3.00 3.08 3.00
RUNOFF VOLUME (mm)= 74.19 17.62 54.37
TOTAL RAINFALL (mm)= 76.19 76.19 76.19
RUNOFF COEFFICIENT = 0.97 0.23 0.71

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)				
1 + 2 = 3				
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0001):	19.50	0.248	4.60	40.36
+ ID2= 2 (0202):	0.21	0.033	3.00	54.37
=====				
ID = 3 (0015):	19.71	0.251	4.53	40.51

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:3.1 SCS II 12hr 2yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData ata\Local\Temp\ ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\el7838a5
Ptotal= 45.30 mm	Comments: SCS 12 HOUR TYPE II STORM DISTRIBUTION

Duration of storm = 12.00 hrs
Mass curve time step = 30.00 min
New Storm time step = 15.00 min

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.45	3.00	1.81	6.00	24.46	9.00	1.81
0.25	0.91	3.25	1.81	6.25	8.15	9.25	1.81
0.50	0.91	3.50	1.81	6.50	5.89	9.50	1.36
0.75	0.91	3.75	1.81	6.75	3.62	9.75	0.91
1.00	0.91	4.00	2.26	7.00	3.17	10.00	0.91
1.25	0.91	4.25	2.72	7.25	2.72	10.25	0.91
1.50	0.91	4.50	3.17	7.50	2.72	10.50	0.91
1.75	0.91	4.75	3.62	7.75	2.72	10.75	0.91
2.00	1.36	5.00	4.53	8.00	2.27	11.00	0.91
2.25	1.81	5.25	5.44	8.25	1.81	11.25	0.91
2.50	1.81	5.50	23.10	8.50	1.81	11.50	0.91
2.75	1.81	5.75	40.77	8.75	1.81	11.75	0.91

CALIB
STANDHYD (0201)
ID= 1 DT= 1.0 min

Area (ha)= 19.50
Total Imp(%)= 62.00 Dir. Conn.(%)= 48.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	12.09	7.41
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	298.34	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.45	3.017	1.81	6.017	24.46	9.02	1.81
0.033	0.45	3.033	1.81	6.033	24.46	9.03	1.81
0.050	0.45	3.050	1.81	6.050	24.46	9.05	1.81
0.067	0.45	3.067	1.81	6.067	24.46	9.07	1.81
0.083	0.45	3.083	1.81	6.083	24.46	9.08	1.81
0.100	0.45	3.100	1.81	6.100	24.46	9.10	1.81
0.117	0.45	3.117	1.81	6.117	24.46	9.12	1.81
0.133	0.45	3.133	1.81	6.133	24.46	9.13	1.81
0.150	0.45	3.150	1.81	6.150	24.46	9.15	1.81
0.167	0.45	3.167	1.81	6.167	24.46	9.17	1.81
0.183	0.45	3.183	1.81	6.183	24.46	9.18	1.81
0.200	0.45	3.200	1.81	6.200	24.46	9.20	1.81
0.217	0.45	3.217	1.81	6.217	24.46	9.22	1.81
0.233	0.45	3.233	1.81	6.233	24.46	9.23	1.81
0.250	0.45	3.250	1.81	6.250	24.44	9.25	1.81
0.267	0.91	3.267	1.81	6.267	8.15	9.27	1.81
0.283	0.91	3.283	1.81	6.283	8.15	9.28	1.81
0.300	0.91	3.300	1.81	6.300	8.15	9.30	1.81
0.317	0.91	3.317	1.81	6.317	8.15	9.32	1.81
0.333	0.91	3.333	1.81	6.333	8.15	9.33	1.81
0.350	0.91	3.350	1.81	6.350	8.15	9.35	1.81
0.367	0.91	3.367	1.81	6.367	8.15	9.37	1.81
0.383	0.91	3.383	1.81	6.383	8.15	9.38	1.81
0.400	0.91	3.400	1.81	6.400	8.15	9.40	1.81
0.417	0.91	3.417	1.81	6.417	8.15	9.42	1.81
0.433	0.91	3.433	1.81	6.433	8.15	9.43	1.81
0.450	0.91	3.450	1.81	6.450	8.15	9.45	1.81
0.467	0.91	3.467	1.81	6.467	8.15	9.47	1.81
0.483	0.91	3.483	1.81	6.483	8.15	9.48	1.81
0.500	0.91	3.500	1.81	6.500	8.15	9.50	1.81
0.517	0.91	3.517	1.81	6.517	5.89	9.52	1.36
0.533	0.91	3.533	1.81	6.533	5.89	9.53	1.36
0.550	0.91	3.550	1.81	6.550	5.89	9.55	1.36
0.567	0.91	3.567	1.81	6.567	5.89	9.57	1.36
0.583	0.91	3.583	1.81	6.583	5.89	9.58	1.36
0.600	0.91	3.600	1.81	6.600	5.89	9.60	1.36
0.617	0.91	3.617	1.81	6.617	5.89	9.62	1.36
0.633	0.91	3.633	1.81	6.633	5.89	9.63	1.36
0.650	0.91	3.650	1.81	6.650	5.89	9.65	1.36
0.667	0.91	3.667	1.81	6.667	5.89	9.67	1.36
0.683	0.91	3.683	1.81	6.683	5.89	9.68	1.36
0.700	0.91	3.700	1.81	6.700	5.89	9.70	1.36
0.717	0.91	3.717	1.81	6.717	5.89	9.72	1.36
0.733	0.91	3.733	1.81	6.733	5.89	9.73	1.36
0.750	0.91	3.750	1.81	6.750	5.88	9.75	1.36
0.767	0.91	3.767	1.81	6.767	3.62	9.77	0.91
0.783	0.91	3.783	1.81	6.783	3.62	9.78	0.91
0.800	0.91	3.800	1.81	6.800	3.62	9.80	0.91
0.817	0.91	3.817	1.81	6.817	3.62	9.82	0.91
0.833	0.91	3.833	1.81	6.833	3.62	9.83	0.91
0.850	0.91	3.850	1.81	6.850	3.62	9.85	0.91
0.867	0.91	3.867	1.81	6.867	3.62	9.87	0.91
0.883	0.91	3.883	1.81	6.883	3.62	9.88	0.91
0.900	0.91	3.900	1.81	6.900	3.62	9.90	0.91
0.917	0.91	3.917	1.81	6.917	3.62	9.92	0.91
0.933	0.91	3.933	1.81	6.933	3.62	9.93	0.91
0.950	0.91	3.950	1.81	6.950	3.62	9.95	0.91
0.967	0.91	3.967	1.81	6.967	3.62	9.97	0.91
0.983	0.91	3.983	1.81	6.983	3.62	9.98	0.91
1.000	0.91	4.000	1.81	7.000	3.62	10.00	0.91
1.017	0.91	4.017	2.26	7.017	3.17	10.02	0.91
1.033	0.91	4.033	2.26	7.033	3.17	10.03	0.91
1.050	0.91	4.050	2.26	7.050	3.17	10.05	0.91
1.067	0.91	4.067	2.26	7.067	3.17	10.07	0.91

1.083	0.91	4.083	2.26	7.083	3.17	10.08	0.91
1.100	0.91	4.100	2.26	7.100	3.17	10.10	0.91
1.117	0.91	4.117	2.26	7.117	3.17	10.12	0.91
1.133	0.91	4.133	2.26	7.133	3.17	10.13	0.91
1.150	0.91	4.150	2.26	7.150	3.17	10.15	0.91
1.167	0.91	4.167	2.26	7.167	3.17	10.17	0.91
1.183	0.91	4.183	2.26	7.183	3.17	10.18	0.91
1.200	0.91	4.200	2.26	7.200	3.17	10.20	0.91
1.217	0.91	4.217	2.26	7.217	3.17	10.22	0.91
1.233	0.91	4.233	2.26	7.233	3.17	10.23	0.91
1.250	0.91	4.250	2.26	7.250	3.17	10.25	0.91
1.267	0.91	4.267	2.72	7.267	2.72	10.27	0.91
1.283	0.91	4.283	2.72	7.283	2.72	10.28	0.91
1.300	0.91	4.300	2.72	7.300	2.72	10.30	0.91
1.317	0.91	4.317	2.72	7.317	2.72	10.32	0.91
1.333	0.91	4.333	2.72	7.333	2.72	10.33	0.91
1.350	0.91	4.350	2.72	7.350	2.72	10.35	0.91
1.367	0.91	4.367	2.72	7.367	2.72	10.37	0.91
1.383	0.91	4.383	2.72	7.383	2.72	10.38	0.91
1.400	0.91	4.400	2.72	7.400	2.72	10.40	0.91
1.417	0.91	4.417	2.72	7.417	2.72	10.42	0.91
1.433	0.91	4.433	2.72	7.433	2.72	10.43	0.91
1.450	0.91	4.450	2.72	7.450	2.72	10.45	0.91
1.467	0.91	4.467	2.72	7.467	2.72	10.47	0.91
1.483	0.91	4.483	2.72	7.483	2.72	10.48	0.91
1.500	0.91	4.500	2.72	7.500	2.72	10.50	0.91
1.517	0.91	4.517	3.17	7.517	2.72	10.52	0.91
1.533	0.91	4.533	3.17	7.533	2.72	10.53	0.91
1.550	0.91	4.550	3.17	7.550	2.72	10.55	0.91
1.567	0.91	4.567	3.17	7.567	2.72	10.57	0.91
1.583	0.91	4.583	3.17	7.583	2.72	10.58	0.91
1.600	0.91	4.600	3.17	7.600	2.72	10.60	0.91
1.617	0.91	4.617	3.17	7.617	2.72	10.62	0.91
1.633	0.91	4.633	3.17	7.633	2.72	10.63	0.91
1.650	0.91	4.650	3.17	7.650	2.72	10.65	0.91
1.667	0.91	4.667	3.17	7.667	2.72	10.67	0.91
1.683	0.91	4.683	3.17	7.683	2.72	10.68	0.91
1.700	0.91	4.700	3.17	7.700	2.72	10.70	0.91
1.717	0.91	4.717	3.17	7.717	2.72	10.72	0.91
1.733	0.91	4.733	3.17	7.733	2.72	10.73	0.91
1.750	0.91	4.750	3.17	7.750	2.72	10.75	0.91
1.767	0.91	4.767	3.62	7.767	2.72	10.77	0.91
1.783	0.91	4.783	3.62	7.783	2.72	10.78	0.91
1.800	0.91	4.800	3.62	7.800	2.72	10.80	0.91
1.817	0.91	4.817	3.62	7.817	2.72	10.82	0.91
1.833	0.91	4.833	3.62	7.833	2.72	10.83	0.91
1.850	0.91	4.850	3.62	7.850	2.72	10.85	0.91
1.867	0.91	4.867	3.62	7.867	2.72	10.87	0.91
1.883	0.91	4.883	3.62	7.883	2.72	10.88	0.91
1.900	0.91	4.900	3.62	7.900	2.72	10.90	0.91
1.917	0.91	4.917	3.62	7.917	2.72	10.92	0.91
1.933	0.91	4.933	3.62	7.933	2.72	10.93	0.91
1.950	0.91	4.950	3.62	7.950	2.72	10.95	0.91
1.967	0.91	4.967	3.62	7.967	2.72	10.97	0.91
1.983	0.91	4.983	3.62	7.983	2.72	10.98	0.91
2.000	0.91	5.000	3.62	8.000	2.72	11.00	0.91
2.017	1.36	5.017	4.53	8.017	2.27	11.02	0.91
2.033	1.36	5.033	4.53	8.033	2.27	11.03	0.91
2.050	1.36	5.050	4.53	8.050	2.27	11.05	0.91
2.067	1.36	5.067	4.53	8.067	2.27	11.07	0.91
2.083	1.36	5.083	4.53	8.083	2.27	11.08	0.91
2.100	1.36	5.100	4.53	8.100	2.27	11.10	0.91
2.117	1.36	5.117	4.53	8.117	2.27	11.12	0.91
2.133	1.36	5.133	4.53	8.133	2.27	11.13	0.91
2.150	1.36	5.150	4.53	8.150	2.27	11.15	0.91
2.167	1.36	5.167	4.53	8.167	2.27	11.17	0.91
2.183	1.36	5.183	4.53	8.183	2.27	11.18	0.91
2.200	1.36	5.200	4.53	8.200	2.27	11.20	0.91
2.217	1.36	5.217	4.53	8.217	2.27	11.22	0.91
2.233	1.36	5.233	4.53	8.233	2.27	11.23	0.91
2.250	1.36	5.250	4.53	8.250	2.26	11.25	0.91
2.267	1.81	5.267	5.44	8.267	1.81	11.27	0.91
2.283	1.81	5.283	5.44	8.283	1.81	11.28	0.91
2.300	1.81	5.300	5.44	8.300	1.81	11.30	0.91
2.317	1.81	5.317	5.44	8.317	1.81	11.32	0.91
2.333	1.81	5.333	5.44	8.333	1.81	11.33	0.91
2.350	1.81	5.350	5.44	8.350	1.81	11.35	0.91
2.367	1.81	5.367	5.44	8.367	1.81	11.37	0.91
2.383	1.81	5.383	5.44	8.383	1.81	11.38	0.91
2.400	1.81	5.400	5.44	8.400	1.81	11.40	0.91
2.417	1.81	5.417	5.44	8.417	1.81	11.42	0.91
2.433	1.81	5.433	5.44	8.433	1.81	11.43	0.91
2.450	1.81	5.450	5.44	8.450	1.81	11.45	0.91
2.467	1.81	5.467	5.44	8.467	1.81	11.47	0.91

2.483	1.81	5.483	5.44	8.483	1.81	11.48	0.91
2.500	1.81	5.500	5.45	8.500	1.81	11.50	0.91
2.517	1.81	5.517	23.10	8.517	1.81	11.52	0.91
2.533	1.81	5.533	23.10	8.533	1.81	11.53	0.91
2.550	1.81	5.550	23.10	8.550	1.81	11.55	0.91
2.567	1.81	5.567	23.10	8.567	1.81	11.57	0.91
2.583	1.81	5.583	23.10	8.583	1.81	11.58	0.91
2.600	1.81	5.600	23.10	8.600	1.81	11.60	0.91
2.617	1.81	5.617	23.10	8.617	1.81	11.62	0.91
2.633	1.81	5.633	23.10	8.633	1.81	11.63	0.91
2.650	1.81	5.650	23.10	8.650	1.81	11.65	0.91
2.667	1.81	5.667	23.10	8.667	1.81	11.67	0.91
2.683	1.81	5.683	23.10	8.683	1.81	11.68	0.91
2.700	1.81	5.700	23.10	8.700	1.81	11.70	0.91
2.717	1.81	5.717	23.10	8.717	1.81	11.72	0.91
2.733	1.81	5.733	23.10	8.733	1.81	11.73	0.91
2.750	1.81	5.750	23.12	8.750	1.81	11.75	0.91
2.767	1.81	5.767	40.77	8.767	1.81	11.77	0.91
2.783	1.81	5.783	40.77	8.783	1.81	11.78	0.91
2.800	1.81	5.800	40.77	8.800	1.81	11.80	0.91
2.817	1.81	5.817	40.77	8.817	1.81	11.82	0.91
2.833	1.81	5.833	40.77	8.833	1.81	11.83	0.91
2.850	1.81	5.850	40.77	8.850	1.81	11.85	0.91
2.867	1.81	5.867	40.77	8.867	1.81	11.87	0.91
2.883	1.81	5.883	40.77	8.883	1.81	11.88	0.91
2.900	1.81	5.900	40.77	8.900	1.81	11.90	0.91
2.917	1.81	5.917	40.77	8.917	1.81	11.92	0.91
2.933	1.81	5.933	40.77	8.933	1.81	11.93	0.91
2.950	1.81	5.950	40.77	8.950	1.81	11.95	0.91
2.967	1.81	5.967	40.77	8.967	1.81	11.97	0.91
2.983	1.81	5.983	40.77	8.983	1.81	11.98	0.91
3.000	1.81	6.000	40.75	9.000	1.81	12.00	0.91

Max.Eff.Inten.(mm/hr)= 40.77 10.29
over (min) 7.00 25.00
Storage Coeff. (min)= 7.05 (ii) 24.57 (ii)
Unit Hyd. Tpeak (min)= 7.00 25.00
Unit Hyd. peak (cms)= 0.16 0.05

PEAK FLOW (cms)= 0.97 0.14 *TOTALS*
TIME TO PEAK (hrs)= 6.03 6.43 1.029 (iii)
RUNOFF VOLUME (mm)= 43.18 8.64 25.22
TOTAL RAINFALL (mm)= 45.19 45.19 45.19
RUNOFF COEFFICIENT = 0.96 0.19 0.56

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 5.0 min				
	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	0.1330	0.5200
	0.0380	0.2900	0.1650	0.5800
	0.0680	0.3850	0.2000	0.6300
	0.0940	0.4500	0.4800	1.1000

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)	19.500	1.029	6.03	25.22
OUTFLOW: ID= 1 (0001)	19.500	0.065	9.53	18.67

PEAK FLOW REDUCTION [Qout/Qin](%)= 6.32
TIME SHIFT OF PEAK FLOW (min)=210.00
MAXIMUM STORAGE USED (ha.m.)= 0.3757

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB STANDHYD (0202)	Area (ha)= 0.21	Total Imp(%)= 65.00	Dir. Conn.(%)= 65.00
ID= 1 DT= 1.0 min			

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.14	0.07
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	15.25	40.00

Mannings n

=

0.013

0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.45	3.017	1.81	6.017	24.46	9.02	1.81
0.033	0.45	3.033	1.81	6.033	24.46	9.03	1.81
0.050	0.45	3.050	1.81	6.050	24.46	9.05	1.81
0.067	0.45	3.067	1.81	6.067	24.46	9.07	1.81
0.083	0.45	3.083	1.81	6.083	24.46	9.08	1.81
0.100	0.45	3.100	1.81	6.100	24.46	9.10	1.81
0.117	0.45	3.117	1.81	6.117	24.46	9.12	1.81
0.133	0.45	3.133	1.81	6.133	24.46	9.13	1.81
0.150	0.45	3.150	1.81	6.150	24.46	9.15	1.81
0.167	0.45	3.167	1.81	6.167	24.46	9.17	1.81
0.183	0.45	3.183	1.81	6.183	24.46	9.18	1.81
0.200	0.45	3.200	1.81	6.200	24.46	9.20	1.81
0.217	0.45	3.217	1.81	6.217	24.46	9.22	1.81
0.233	0.45	3.233	1.81	6.233	24.46	9.23	1.81
0.250	0.45	3.250	1.81	6.250	24.44	9.25	1.81
0.267	0.91	3.267	1.81	6.267	8.15	9.27	1.81
0.283	0.91	3.283	1.81	6.283	8.15	9.28	1.81
0.300	0.91	3.300	1.81	6.300	8.15	9.30	1.81
0.317	0.91	3.317	1.81	6.317	8.15	9.32	1.81
0.333	0.91	3.333	1.81	6.333	8.15	9.33	1.81
0.350	0.91	3.350	1.81	6.350	8.15	9.35	1.81
0.367	0.91	3.367	1.81	6.367	8.15	9.37	1.81
0.383	0.91	3.383	1.81	6.383	8.15	9.38	1.81
0.400	0.91	3.400	1.81	6.400	8.15	9.40	1.81
0.417	0.91	3.417	1.81	6.417	8.15	9.42	1.81
0.433	0.91	3.433	1.81	6.433	8.15	9.43	1.81
0.450	0.91	3.450	1.81	6.450	8.15	9.45	1.81
0.467	0.91	3.467	1.81	6.467	8.15	9.47	1.81
0.483	0.91	3.483	1.81	6.483	8.15	9.48	1.81
0.500	0.91	3.500	1.81	6.500	8.15	9.50	1.81
0.517	0.91	3.517	1.81	6.517	5.89	9.52	1.36
0.533	0.91	3.533	1.81	6.533	5.89	9.53	1.36
0.550	0.91	3.550	1.81	6.550	5.89	9.55	1.36
0.567	0.91	3.567	1.81	6.567	5.89	9.57	1.36
0.583	0.91	3.583	1.81	6.583	5.89	9.58	1.36
0.600	0.91	3.600	1.81	6.600	5.89	9.60	1.36
0.617	0.91	3.617	1.81	6.617	5.89	9.62	1.36
0.633	0.91	3.633	1.81	6.633	5.89	9.63	1.36
0.650	0.91	3.650	1.81	6.650	5.89	9.65	1.36
0.667	0.91	3.667	1.81	6.667	5.89	9.67	1.36
0.683	0.91	3.683	1.81	6.683	5.89	9.68	1.36
0.700	0.91	3.700	1.81	6.700	5.89	9.70	1.36
0.717	0.91	3.717	1.81	6.717	5.89	9.72	1.36
0.733	0.91	3.733	1.81	6.733	5.89	9.73	1.36
0.750	0.91	3.750	1.81	6.750	5.88	9.75	1.36
0.767	0.91	3.767	1.81	6.767	3.62	9.77	0.91
0.783	0.91	3.783	1.81	6.783	3.62	9.78	0.91
0.800	0.91	3.800	1.81	6.800	3.62	9.80	0.91
0.817	0.91	3.817	1.81	6.817	3.62	9.82	0.91
0.833	0.91	3.833	1.81	6.833	3.62	9.83	0.91
0.850	0.91	3.850	1.81	6.850	3.62	9.85	0.91
0.867	0.91	3.867	1.81	6.867	3.62	9.87	0.91
0.883	0.91	3.883	1.81	6.883	3.62	9.88	0.91
0.900	0.91	3.900	1.81	6.900	3.62	9.90	0.91
0.917	0.91	3.917	1.81	6.917	3.62	9.92	0.91
0.933	0.91	3.933	1.81	6.933	3.62	9.93	0.91
0.950	0.91	3.950	1.81	6.950	3.62	9.95	0.91
0.967	0.91	3.967	1.81	6.967	3.62	9.97	0.91
0.983	0.91	3.983	1.81	6.983	3.62	9.98	0.91
1.000	0.91	4.000	1.81	7.000	3.62	10.00	0.91
1.017	0.91	4.017	2.26	7.017	3.17	10.02	0.91
1.033	0.91	4.033	2.26	7.033	3.17	10.03	0.91
1.050	0.91	4.050	2.26	7.050	3.17	10.05	0.91
1.067	0.91	4.067	2.26	7.067	3.17	10.07	0.91
1.083	0.91	4.083	2.26	7.083	3.17	10.08	0.91
1.100	0.91	4.100	2.26	7.100	3.17	10.10	0.91
1.117	0.91	4.117	2.26	7.117	3.17	10.12	0.91
1.133	0.91	4.133	2.26	7.133	3.17	10.13	0.91
1.150	0.91	4.150	2.26	7.150	3.17	10.15	0.91
1.167	0.91	4.167	2.26	7.167	3.17	10.17	0.91
1.183	0.91	4.183	2.26	7.183	3.17	10.18	0.91
1.200	0.91	4.200	2.26	7.200	3.17	10.20	0.91
1.217	0.91	4.217	2.26	7.217	3.17	10.22	0.91
1.233	0.91	4.233	2.26	7.233	3.17	10.23	0.91
1.250	0.91	4.250	2.26	7.250	3.17	10.25	0.91
1.267	0.91	4.267	2.72	7.267	2.72	10.27	0.91

1.283	0.91	4.283	2.72	7.283	2.72	10.28	0.91
1.300	0.91	4.300	2.72	7.300	2.72	10.30	0.91
1.317	0.91	4.317	2.72	7.317	2.72	10.32	0.91
1.333	0.91	4.333	2.72	7.333	2.72	10.33	0.91
1.350	0.91	4.350	2.72	7.350	2.72	10.35	0.91
1.367	0.91	4.367	2.72	7.367	2.72	10.37	0.91
1.383	0.91	4.383	2.72	7.383	2.72	10.38	0.91
1.400	0.91	4.400	2.72	7.400	2.72	10.40	0.91
1.417	0.91	4.417	2.72	7.417	2.72	10.42	0.91
1.433	0.91	4.433	2.72	7.433	2.72	10.43	0.91
1.450	0.91	4.450	2.72	7.450	2.72	10.45	0.91
1.467	0.91	4.467	2.72	7.467	2.72	10.47	0.91
1.483	0.91	4.483	2.72	7.483	2.72	10.48	0.91
1.500	0.91	4.500	2.72	7.500	2.72	10.50	0.91
1.517	0.91	4.517	3.17	7.517	2.72	10.52	0.91
1.533	0.91	4.533	3.17	7.533	2.72	10.53	0.91
1.550	0.91	4.550	3.17	7.550	2.72	10.55	0.91
1.567	0.91	4.567	3.17	7.567	2.72	10.57	0.91
1.583	0.91	4.583	3.17	7.583	2.72	10.58	0.91
1.600	0.91	4.600	3.17	7.600	2.72	10.60	0.91
1.617	0.91	4.617	3.17	7.617	2.72	10.62	0.91
1.633	0.91	4.633	3.17	7.633	2.72	10.63	0.91
1.650	0.91	4.650	3.17	7.650	2.72	10.65	0.91
1.667	0.91	4.667	3.17	7.667	2.72	10.67	0.91
1.683	0.91	4.683	3.17	7.683	2.72	10.68	0.91
1.700	0.91	4.700	3.17	7.700	2.72	10.70	0.91
1.717	0.91	4.717	3.17	7.717	2.72	10.72	0.91
1.733	0.91	4.733	3.17	7.733	2.72	10.73	0.91
1.750	0.91	4.750	3.17	7.750	2.72	10.75	0.91
1.767	0.91	4.767	3.62	7.767	2.72	10.77	0.91
1.783	0.91	4.783	3.62	7.783	2.72	10.78	0.91
1.800	0.91	4.800	3.62	7.800	2.72	10.80	0.91
1.817	0.91	4.817	3.62	7.817	2.72	10.82	0.91
1.833	0.91	4.833	3.62	7.833	2.72	10.83	0.91
1.850	0.91	4.850	3.62	7.850	2.72	10.85	0.91
1.867	0.91	4.867	3.62	7.867	2.72	10.87	0.91
1.883	0.91	4.883	3.62	7.883	2.72	10.88	0.91
1.900	0.91	4.900	3.62	7.900	2.72	10.90	0.91
1.917	0.91	4.917	3.62	7.917	2.72	10.92	0.91
1.933	0.91	4.933	3.62	7.933	2.72	10.93	0.91
1.950	0.91	4.950	3.62	7.950	2.72	10.95	0.91
1.967	0.91	4.967	3.62	7.967	2.72	10.97	0.91
1.983	0.91	4.983	3.62	7.983	2.72	10.98	0.91
2.000	0.91	5.000	3.62	8.000	2.72	11.00	0.91
2.017	1.36	5.017	4.53	8.017	2.27	11.02	0.91
2.033	1.36	5.033	4.53	8.033	2.27	11.03	0.91
2.050	1.36	5.050	4.53	8.050	2.27	11.05	0.91
2.067	1.36	5.067	4.53	8.067	2.27	11.07	0.91
2.083	1.36	5.083	4.53	8.083	2.27	11.08	0.91
2.100	1.36	5.100	4.53	8.100	2.27	11.10	0.91
2.117	1.36	5.117	4.53	8.117	2.27	11.12	0.91
2.133	1.36	5.133	4.53	8.133	2.27	11.13	0.91
2.150	1.36	5.150	4.53	8.150	2.27	11.15	0.91
2.167	1.36	5.167	4.53	8.167	2.27	11.17	0.91
2.183	1.36	5.183	4.53	8.183	2.27	11.18	0.91
2.200	1.36	5.200	4.53	8.200	2.27	11.20	0.91
2.217	1.36	5.217	4.53	8.217	2.27	11.22	0.91
2.233	1.36	5.233	4.53	8.233	2.27	11.23	0.91
2.250	1.36	5.250	4.53	8.250	2.26	11.25	0.91
2.267	1.81	5.267	5.44	8.267	1.81	11.27	0.91
2.283	1.81	5.283	5.44	8.283	1.81	11.28	0.91
2.300	1.81	5.300	5.44	8.300	1.81	11.30	0.91
2.317	1.81	5.317	5.44	8.317	1.81	11.32	0.91
2.333	1.81	5.333	5.44	8.333	1.81	11.33	0.91
2.350	1.81	5.350	5.44	8.350	1.81	11.35	0.91
2.367	1.81	5.367	5.44	8.367	1.81	11.37	0.91
2.383	1.81	5.383	5.44	8.383	1.81	11.38	0.91
2.400	1.81	5.400	5.44	8.400	1.81	11.40	0.91
2.417	1.81	5.417	5.44	8.417	1.81	11.42	0.91
2.433	1.81	5.433	5.44	8.433	1.81	11.43	0.91
2.450	1.81	5.450	5.44	8.450	1.81	11.45	0.91
2.467	1.81	5.467	5.44	8.467	1.81	11.47	0.91
2.483	1.81	5.483	5.44	8.483	1.81	11.48	0.91
2.500	1.81	5.500	5.45	8.500	1.81	11.50	0.91
2.517	1.81	5.517	23.10	8.517	1.81	11.52	0.91
2.533	1.81	5.533	23.10	8.533	1.81	11.53	0.91
2.550	1.81	5.550	23.10	8.550	1.81	11.55	0.91
2.567	1.81	5.567	23.10	8.567	1.81	11.57	0.91
2.583	1.81	5.583	23.10	8.583	1.81	11.58	0.91
2.600	1.81	5.600	23.10	8.600	1.81	11.60	0.91
2.617	1.81	5.617	23.10	8.617	1.81	11.62	0.91
2.633	1.81	5.633	23.10	8.633	1.81	11.63	0.91
2.650	1.81	5.650	23.10	8.650	1.81	11.65	0.91
2.667	1.81	5.667	23.10	8.667	1.81	11.67	0.91

2.683	1.81	5.683	23.10	8.683	1.81	11.68	0.91
2.700	1.81	5.700	23.10	8.700	1.81	11.70	0.91
2.717	1.81	5.717	23.10	8.717	1.81	11.72	0.91
2.733	1.81	5.733	23.10	8.733	1.81	11.73	0.91
2.750	1.81	5.750	23.12	8.750	1.81	11.75	0.91
2.767	1.81	5.767	40.77	8.767	1.81	11.77	0.91
2.783	1.81	5.783	40.77	8.783	1.81	11.78	0.91
2.800	1.81	5.800	40.77	8.800	1.81	11.80	0.91
2.817	1.81	5.817	40.77	8.817	1.81	11.82	0.91
2.833	1.81	5.833	40.77	8.833	1.81	11.83	0.91
2.850	1.81	5.850	40.77	8.850	1.81	11.85	0.91
2.867	1.81	5.867	40.77	8.867	1.81	11.87	0.91
2.883	1.81	5.883	40.77	8.883	1.81	11.88	0.91
2.900	1.81	5.900	40.77	8.900	1.81	11.90	0.91
2.917	1.81	5.917	40.77	8.917	1.81	11.92	0.91
2.933	1.81	5.933	40.77	8.933	1.81	11.93	0.91
2.950	1.81	5.950	40.77	8.950	1.81	11.95	0.91
2.967	1.81	5.967	40.77	8.967	1.81	11.97	0.91
2.983	1.81	5.983	40.77	8.983	1.81	11.98	0.91
3.000	1.81	6.000	40.75	9.000	1.81	12.00	0.91

Max.Eff.Inten.(mm/hr)= 40.77 6.08
over (min) 5.00 10.00
Storage Coeff. (min)= 1.18 (ii) 9.07 (ii)
Unit Hyd. Tpeak (min)= 5.00 10.00
Unit Hyd. peak (cms)= 0.45 0.12

PEAK FLOW (cms)= 0.02 0.00 *TOTALS*
TIME TO PEAK (hrs)= 5.98 6.13 0.016 (iii)
RUNOFF VOLUME (mm)= 43.18 6.29 6.00
TOTAL RAINFALL (mm)= 45.19 45.19 30.26
RUNOFF COEFFICIENT = 0.96 0.14 45.19
0.67

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0001):	19.50	0.065	9.53	18.67
+ ID2= 2 (0202):	0.21	0.016	6.00	30.26
=====				
ID = 3 (0015):	19.71	0.066	9.50	18.79

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:3.2 SCS II 12hr 5yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData ata\Local\Temp\ ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\cfced977
Ptotal= 58.91 mm	Comments: SCS 12 HOUR TYPE II STORM DISTRIBUTION
Duration of storm = 12.00 hrs	
Mass curve time step = 30.00 min	
New Storm time step = 15.00 min	

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.59	3.00	2.36	6.00	31.81	9.00	2.36
0.25	1.18	3.25	2.36	6.25	10.60	9.25	2.36
0.50	1.18	3.50	2.36	6.50	7.66	9.50	1.77
0.75	1.18	3.75	2.36	6.75	4.71	9.75	1.18
1.00	1.18	4.00	2.95	7.00	4.12	10.00	1.18
1.25	1.18	4.25	3.53	7.25	3.53	10.25	1.18
1.50	1.18	4.50	4.12	7.50	3.53	10.50	1.18
1.75	1.18	4.75	4.71	7.75	3.53	10.75	1.18
2.00	1.77	5.00	5.89	8.00	2.95	11.00	1.18
2.25	2.36	5.25	7.07	8.25	2.36	11.25	1.18
2.50	2.36	5.50	30.04	8.50	2.36	11.50	1.18
2.75	2.36	5.75	53.02	8.75	2.36	11.75	1.18

CALIB
STANDHYD (0201)
ID= 1 DT= 1.0 min

Area (ha)= 19.50
Total Imp(%)= 62.00 Dir. Conn.(%)= 48.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	12.09	7.41
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	298.34	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.59	3.017	2.36	6.017	31.81	9.02	2.36
0.033	0.59	3.033	2.36	6.033	31.81	9.03	2.36
0.050	0.59	3.050	2.36	6.050	31.81	9.05	2.36
0.067	0.59	3.067	2.36	6.067	31.81	9.07	2.36
0.083	0.59	3.083	2.36	6.083	31.81	9.08	2.36
0.100	0.59	3.100	2.36	6.100	31.81	9.10	2.36
0.117	0.59	3.117	2.36	6.117	31.81	9.12	2.36
0.133	0.59	3.133	2.36	6.133	31.81	9.13	2.36
0.150	0.59	3.150	2.36	6.150	31.81	9.15	2.36
0.167	0.59	3.167	2.36	6.167	31.81	9.17	2.36
0.183	0.59	3.183	2.36	6.183	31.81	9.18	2.36
0.200	0.59	3.200	2.36	6.200	31.81	9.20	2.36
0.217	0.59	3.217	2.36	6.217	31.81	9.22	2.36
0.233	0.59	3.233	2.36	6.233	31.81	9.23	2.36
0.250	0.59	3.250	2.36	6.250	31.78	9.25	2.36
0.267	1.18	3.267	2.36	6.267	10.60	9.27	2.36
0.283	1.18	3.283	2.36	6.283	10.60	9.28	2.36
0.300	1.18	3.300	2.36	6.300	10.60	9.30	2.36
0.317	1.18	3.317	2.36	6.317	10.60	9.32	2.36
0.333	1.18	3.333	2.36	6.333	10.60	9.33	2.36
0.350	1.18	3.350	2.36	6.350	10.60	9.35	2.36
0.367	1.18	3.367	2.36	6.367	10.60	9.37	2.36
0.383	1.18	3.383	2.36	6.383	10.60	9.38	2.36
0.400	1.18	3.400	2.36	6.400	10.60	9.40	2.36
0.417	1.18	3.417	2.36	6.417	10.60	9.42	2.36
0.433	1.18	3.433	2.36	6.433	10.60	9.43	2.36
0.450	1.18	3.450	2.36	6.450	10.60	9.45	2.36
0.467	1.18	3.467	2.36	6.467	10.60	9.47	2.36
0.483	1.18	3.483	2.36	6.483	10.60	9.48	2.36
0.500	1.18	3.500	2.36	6.500	10.60	9.50	2.36
0.517	1.18	3.517	2.36	6.517	7.66	9.52	1.77
0.533	1.18	3.533	2.36	6.533	7.66	9.53	1.77
0.550	1.18	3.550	2.36	6.550	7.66	9.55	1.77
0.567	1.18	3.567	2.36	6.567	7.66	9.57	1.77
0.583	1.18	3.583	2.36	6.583	7.66	9.58	1.77
0.600	1.18	3.600	2.36	6.600	7.66	9.60	1.77
0.617	1.18	3.617	2.36	6.617	7.66	9.62	1.77
0.633	1.18	3.633	2.36	6.633	7.66	9.63	1.77
0.650	1.18	3.650	2.36	6.650	7.66	9.65	1.77
0.667	1.18	3.667	2.36	6.667	7.66	9.67	1.77
0.683	1.18	3.683	2.36	6.683	7.66	9.68	1.77
0.700	1.18	3.700	2.36	6.700	7.66	9.70	1.77
0.717	1.18	3.717	2.36	6.717	7.66	9.72	1.77
0.733	1.18	3.733	2.36	6.733	7.66	9.73	1.77
0.750	1.18	3.750	2.36	6.750	7.65	9.75	1.77
0.767	1.18	3.767	2.36	6.767	4.71	9.77	1.18
0.783	1.18	3.783	2.36	6.783	4.71	9.78	1.18
0.800	1.18	3.800	2.36	6.800	4.71	9.80	1.18
0.817	1.18	3.817	2.36	6.817	4.71	9.82	1.18
0.833	1.18	3.833	2.36	6.833	4.71	9.83	1.18
0.850	1.18	3.850	2.36	6.850	4.71	9.85	1.18
0.867	1.18	3.867	2.36	6.867	4.71	9.87	1.18
0.883	1.18	3.883	2.36	6.883	4.71	9.88	1.18
0.900	1.18	3.900	2.36	6.900	4.71	9.90	1.18
0.917	1.18	3.917	2.36	6.917	4.71	9.92	1.18
0.933	1.18	3.933	2.36	6.933	4.71	9.93	1.18
0.950	1.18	3.950	2.36	6.950	4.71	9.95	1.18
0.967	1.18	3.967	2.36	6.967	4.71	9.97	1.18
0.983	1.18	3.983	2.36	6.983	4.71	9.98	1.18
1.000	1.18	4.000	2.36	7.000	4.71	10.00	1.18
1.017	1.18	4.017	2.95	7.017	4.12	10.02	1.18
1.033	1.18	4.033	2.95	7.033	4.12	10.03	1.18
1.050	1.18	4.050	2.95	7.050	4.12	10.05	1.18
1.067	1.18	4.067	2.95	7.067	4.12	10.07	1.18
1.083	1.18	4.083	2.95	7.083	4.12	10.08	1.18
1.100	1.18	4.100	2.95	7.100	4.12	10.10	1.18
1.117	1.18	4.117	2.95	7.117	4.12	10.12	1.18

1.133	1.18	4.133	2.95	7.133	4.12	10.13	1.18
1.150	1.18	4.150	2.95	7.150	4.12	10.15	1.18
1.167	1.18	4.167	2.95	7.167	4.12	10.17	1.18
1.183	1.18	4.183	2.95	7.183	4.12	10.18	1.18
1.200	1.18	4.200	2.95	7.200	4.12	10.20	1.18
1.217	1.18	4.217	2.95	7.217	4.12	10.22	1.18
1.233	1.18	4.233	2.95	7.233	4.12	10.23	1.18
1.250	1.18	4.250	2.95	7.250	4.12	10.25	1.18
1.267	1.18	4.267	3.53	7.267	3.53	10.27	1.18
1.283	1.18	4.283	3.53	7.283	3.53	10.28	1.18
1.300	1.18	4.300	3.53	7.300	3.53	10.30	1.18
1.317	1.18	4.317	3.53	7.317	3.53	10.32	1.18
1.333	1.18	4.333	3.53	7.333	3.53	10.33	1.18
1.350	1.18	4.350	3.53	7.350	3.53	10.35	1.18
1.367	1.18	4.367	3.53	7.367	3.53	10.37	1.18
1.383	1.18	4.383	3.53	7.383	3.53	10.38	1.18
1.400	1.18	4.400	3.53	7.400	3.53	10.40	1.18
1.417	1.18	4.417	3.53	7.417	3.53	10.42	1.18
1.433	1.18	4.433	3.53	7.433	3.53	10.43	1.18
1.450	1.18	4.450	3.53	7.450	3.53	10.45	1.18
1.467	1.18	4.467	3.53	7.467	3.53	10.47	1.18
1.483	1.18	4.483	3.53	7.483	3.53	10.48	1.18
1.500	1.18	4.500	3.53	7.500	3.53	10.50	1.18
1.517	1.18	4.517	4.12	7.517	3.53	10.52	1.18
1.533	1.18	4.533	4.12	7.533	3.53	10.53	1.18
1.550	1.18	4.550	4.12	7.550	3.53	10.55	1.18
1.567	1.18	4.567	4.12	7.567	3.53	10.57	1.18
1.583	1.18	4.583	4.12	7.583	3.53	10.58	1.18
1.600	1.18	4.600	4.12	7.600	3.53	10.60	1.18
1.617	1.18	4.617	4.12	7.617	3.53	10.62	1.18
1.633	1.18	4.633	4.12	7.633	3.53	10.63	1.18
1.650	1.18	4.650	4.12	7.650	3.53	10.65	1.18
1.667	1.18	4.667	4.12	7.667	3.53	10.67	1.18
1.683	1.18	4.683	4.12	7.683	3.53	10.68	1.18
1.700	1.18	4.700	4.12	7.700	3.53	10.70	1.18
1.717	1.18	4.717	4.12	7.717	3.53	10.72	1.18
1.733	1.18	4.733	4.12	7.733	3.53	10.73	1.18
1.750	1.18	4.750	4.12	7.750	3.53	10.75	1.18
1.767	1.18	4.767	4.71	7.767	3.53	10.77	1.18
1.783	1.18	4.783	4.71	7.783	3.53	10.78	1.18
1.800	1.18	4.800	4.71	7.800	3.53	10.80	1.18
1.817	1.18	4.817	4.71	7.817	3.53	10.82	1.18
1.833	1.18	4.833	4.71	7.833	3.53	10.83	1.18
1.850	1.18	4.850	4.71	7.850	3.53	10.85	1.18
1.867	1.18	4.867	4.71	7.867	3.53	10.87	1.18
1.883	1.18	4.883	4.71	7.883	3.53	10.88	1.18
1.900	1.18	4.900	4.71	7.900	3.53	10.90	1.18
1.917	1.18	4.917	4.71	7.917	3.53	10.92	1.18
1.933	1.18	4.933	4.71	7.933	3.53	10.93	1.18
1.950	1.18	4.950	4.71	7.950	3.53	10.95	1.18
1.967	1.18	4.967	4.71	7.967	3.53	10.97	1.18
1.983	1.18	4.983	4.71	7.983	3.53	10.98	1.18
2.000	1.18	5.000	4.71	8.000	3.53	11.00	1.18
2.017	1.77	5.017	5.89	8.017	2.95	11.02	1.18
2.033	1.77	5.033	5.89	8.033	2.95	11.03	1.18
2.050	1.77	5.050	5.89	8.050	2.95	11.05	1.18
2.067	1.77	5.067	5.89	8.067	2.95	11.07	1.18
2.083	1.77	5.083	5.89	8.083	2.95	11.08	1.18
2.100	1.77	5.100	5.89	8.100	2.95	11.10	1.18
2.117	1.77	5.117	5.89	8.117	2.95	11.12	1.18
2.133	1.77	5.133	5.89	8.133	2.95	11.13	1.18
2.150	1.77	5.150	5.89	8.150	2.95	11.15	1.18
2.167	1.77	5.167	5.89	8.167	2.95	11.17	1.18
2.183	1.77	5.183	5.89	8.183	2.95	11.18	1.18
2.200	1.77	5.200	5.89	8.200	2.95	11.20	1.18
2.217	1.77	5.217	5.89	8.217	2.95	11.22	1.18
2.233	1.77	5.233	5.89	8.233	2.95	11.23	1.18
2.250	1.77	5.250	5.89	8.250	2.94	11.25	1.18
2.267	2.36	5.267	7.07	8.267	2.36	11.27	1.18
2.283	2.36	5.283	7.07	8.283	2.36	11.28	1.18
2.300	2.36	5.300	7.07	8.300	2.36	11.30	1.18
2.317	2.36	5.317	7.07	8.317	2.36	11.32	1.18
2.333	2.36	5.333	7.07	8.333	2.36	11.33	1.18
2.350	2.36	5.350	7.07	8.350	2.36	11.35	1.18
2.367	2.36	5.367	7.07	8.367	2.36	11.37	1.18
2.383	2.36	5.383	7.07	8.383	2.36	11.38	1.18
2.400	2.36	5.400	7.07	8.400	2.36	11.40	1.18
2.417	2.36	5.417	7.07	8.417	2.36	11.42	1.18
2.433	2.36	5.433	7.07	8.433	2.36	11.43	1.18
2.450	2.36	5.450	7.07	8.450	2.36	11.45	1.18
2.467	2.36	5.467	7.07	8.467	2.36	11.47	1.18
2.483	2.36	5.483	7.07	8.483	2.36	11.48	1.18
2.500	2.36	5.500	7.09	8.500	2.36	11.50	1.18
2.517	2.36	5.517	30.04	8.517	2.36	11.52	1.18

2.533	2.36	5.533	30.04	8.533	2.36	11.53	1.18
2.550	2.36	5.550	30.04	8.550	2.36	11.55	1.18
2.567	2.36	5.567	30.04	8.567	2.36	11.57	1.18
2.583	2.36	5.583	30.04	8.583	2.36	11.58	1.18
2.600	2.36	5.600	30.04	8.600	2.36	11.60	1.18
2.617	2.36	5.617	30.04	8.617	2.36	11.62	1.18
2.633	2.36	5.633	30.04	8.633	2.36	11.63	1.18
2.650	2.36	5.650	30.04	8.650	2.36	11.65	1.18
2.667	2.36	5.667	30.04	8.667	2.36	11.67	1.18
2.683	2.36	5.683	30.04	8.683	2.36	11.68	1.18
2.700	2.36	5.700	30.04	8.700	2.36	11.70	1.18
2.717	2.36	5.717	30.04	8.717	2.36	11.72	1.18
2.733	2.36	5.733	30.04	8.733	2.36	11.73	1.18
2.750	2.36	5.750	30.07	8.750	2.36	11.75	1.18
2.767	2.36	5.767	53.02	8.767	2.36	11.77	1.18
2.783	2.36	5.783	53.02	8.783	2.36	11.78	1.18
2.800	2.36	5.800	53.02	8.800	2.36	11.80	1.18
2.817	2.36	5.817	53.02	8.817	2.36	11.82	1.18
2.833	2.36	5.833	53.02	8.833	2.36	11.83	1.18
2.850	2.36	5.850	53.02	8.850	2.36	11.85	1.18
2.867	2.36	5.867	53.02	8.867	2.36	11.87	1.18
2.883	2.36	5.883	53.02	8.883	2.36	11.88	1.18
2.900	2.36	5.900	53.02	8.900	2.36	11.90	1.18
2.917	2.36	5.917	53.02	8.917	2.36	11.92	1.18
2.933	2.36	5.933	53.02	8.933	2.36	11.93	1.18
2.950	2.36	5.950	53.02	8.950	2.36	11.95	1.18
2.967	2.36	5.967	53.02	8.967	2.36	11.97	1.18
2.983	2.36	5.983	53.02	8.983	2.36	11.98	1.18
3.000	2.36	6.000	52.99	9.000	2.36	12.00	1.18

Max.Eff.Inten.(mm/hr)= 53.02 19.32
over (min) 6.00 15.00
Storage Coeff. (min)= 6.34 (ii) 14.63 (ii)
Unit Hyd. Tpeak (min)= 6.00 15.00
Unit Hyd. peak (cms)= 0.18 0.08

TOTALS

PEAK FLOW (cms)= 1.28 0.28 1.485 (iii)
TIME TO PEAK (hrs)= 6.02 6.27 6.03
RUNOFF VOLUME (mm)= 56.76 14.24 34.65
TOTAL RAINFALL (mm)= 58.76 58.76
RUNOFF COEFFICIENT = 0.97 0.24 0.59

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)		OVERFLOW IS OFF			
IN= 2---> OUT= 1					
DT= 5.0 min					
		OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
		0.0000	0.0000	0.1330	0.5200
		0.0380	0.2900	0.1650	0.5800
		0.0680	0.3850	0.2000	0.6300
		0.0940	0.4500	0.4800	1.1000
		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)		19.500	1.485	6.03	34.65
OUTFLOW: ID= 1 (0001)		19.500	0.118	8.25	27.03

PEAK FLOW REDUCTION [Qout/Qin](%)= 7.95
TIME SHIFT OF PEAK FLOW (min)=133.00
MAXIMUM STORAGE USED (ha.m.)= 0.4931

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB					
STANDHYD (0202)					
ID= 1 DT= 1.0 min					
		Area (ha)=	0.21		
		Total Imp(%)=	65.00	Dir. Conn.(%)=	65.00
		IMPERVIOUS	PERVIOUS (i)		
Surface Area (ha)=		0.14	0.07		
Dep. Storage (mm)=		2.00	5.00		
Average slope (%)=		1.00	2.00		
Length (m)=		15.25	40.00		
Mannings n =		0.013	0.250		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.59	3.017	2.36	6.017	31.81	9.02	2.36
0.033	0.59	3.033	2.36	6.033	31.81	9.03	2.36
0.050	0.59	3.050	2.36	6.050	31.81	9.05	2.36
0.067	0.59	3.067	2.36	6.067	31.81	9.07	2.36
0.083	0.59	3.083	2.36	6.083	31.81	9.08	2.36
0.100	0.59	3.100	2.36	6.100	31.81	9.10	2.36
0.117	0.59	3.117	2.36	6.117	31.81	9.12	2.36
0.133	0.59	3.133	2.36	6.133	31.81	9.13	2.36
0.150	0.59	3.150	2.36	6.150	31.81	9.15	2.36
0.167	0.59	3.167	2.36	6.167	31.81	9.17	2.36
0.183	0.59	3.183	2.36	6.183	31.81	9.18	2.36
0.200	0.59	3.200	2.36	6.200	31.81	9.20	2.36
0.217	0.59	3.217	2.36	6.217	31.81	9.22	2.36
0.233	0.59	3.233	2.36	6.233	31.81	9.23	2.36
0.250	0.59	3.250	2.36	6.250	31.78	9.25	2.36
0.267	1.18	3.267	2.36	6.267	10.60	9.27	2.36
0.283	1.18	3.283	2.36	6.283	10.60	9.28	2.36
0.300	1.18	3.300	2.36	6.300	10.60	9.30	2.36
0.317	1.18	3.317	2.36	6.317	10.60	9.32	2.36
0.333	1.18	3.333	2.36	6.333	10.60	9.33	2.36
0.350	1.18	3.350	2.36	6.350	10.60	9.35	2.36
0.367	1.18	3.367	2.36	6.367	10.60	9.37	2.36
0.383	1.18	3.383	2.36	6.383	10.60	9.38	2.36
0.400	1.18	3.400	2.36	6.400	10.60	9.40	2.36
0.417	1.18	3.417	2.36	6.417	10.60	9.42	2.36
0.433	1.18	3.433	2.36	6.433	10.60	9.43	2.36
0.450	1.18	3.450	2.36	6.450	10.60	9.45	2.36
0.467	1.18	3.467	2.36	6.467	10.60	9.47	2.36
0.483	1.18	3.483	2.36	6.483	10.60	9.48	2.36
0.500	1.18	3.500	2.36	6.500	10.60	9.50	2.36
0.517	1.18	3.517	2.36	6.517	7.66	9.52	1.77
0.533	1.18	3.533	2.36	6.533	7.66	9.53	1.77
0.550	1.18	3.550	2.36	6.550	7.66	9.55	1.77
0.567	1.18	3.567	2.36	6.567	7.66	9.57	1.77
0.583	1.18	3.583	2.36	6.583	7.66	9.58	1.77
0.600	1.18	3.600	2.36	6.600	7.66	9.60	1.77
0.617	1.18	3.617	2.36	6.617	7.66	9.62	1.77
0.633	1.18	3.633	2.36	6.633	7.66	9.63	1.77
0.650	1.18	3.650	2.36	6.650	7.66	9.65	1.77
0.667	1.18	3.667	2.36	6.667	7.66	9.67	1.77
0.683	1.18	3.683	2.36	6.683	7.66	9.68	1.77
0.700	1.18	3.700	2.36	6.700	7.66	9.70	1.77
0.717	1.18	3.717	2.36	6.717	7.66	9.72	1.77
0.733	1.18	3.733	2.36	6.733	7.66	9.73	1.77
0.750	1.18	3.750	2.36	6.750	7.65	9.75	1.77
0.767	1.18	3.767	2.36	6.767	4.71	9.77	1.18
0.783	1.18	3.783	2.36	6.783	4.71	9.78	1.18
0.800	1.18	3.800	2.36	6.800	4.71	9.80	1.18
0.817	1.18	3.817	2.36	6.817	4.71	9.82	1.18
0.833	1.18	3.833	2.36	6.833	4.71	9.83	1.18
0.850	1.18	3.850	2.36	6.850	4.71	9.85	1.18
0.867	1.18	3.867	2.36	6.867	4.71	9.87	1.18
0.883	1.18	3.883	2.36	6.883	4.71	9.88	1.18
0.900	1.18	3.900	2.36	6.900	4.71	9.90	1.18
0.917	1.18	3.917	2.36	6.917	4.71	9.92	1.18
0.933	1.18	3.933	2.36	6.933	4.71	9.93	1.18
0.950	1.18	3.950	2.36	6.950	4.71	9.95	1.18
0.967	1.18	3.967	2.36	6.967	4.71	9.97	1.18
0.983	1.18	3.983	2.36	6.983	4.71	9.98	1.18
1.000	1.18	4.000	2.36	7.000	4.71	10.00	1.18
1.017	1.18	4.017	2.95	7.017	4.12	10.02	1.18
1.033	1.18	4.033	2.95	7.033	4.12	10.03	1.18
1.050	1.18	4.050	2.95	7.050	4.12	10.05	1.18
1.067	1.18	4.067	2.95	7.067	4.12	10.07	1.18
1.083	1.18	4.083	2.95	7.083	4.12	10.08	1.18
1.100	1.18	4.100	2.95	7.100	4.12	10.10	1.18
1.117	1.18	4.117	2.95	7.117	4.12	10.12	1.18
1.133	1.18	4.133	2.95	7.133	4.12	10.13	1.18
1.150	1.18	4.150	2.95	7.150	4.12	10.15	1.18
1.167	1.18	4.167	2.95	7.167	4.12	10.17	1.18
1.183	1.18	4.183	2.95	7.183	4.12	10.18	1.18
1.200	1.18	4.200	2.95	7.200	4.12	10.20	1.18
1.217	1.18	4.217	2.95	7.217	4.12	10.22	1.18
1.233	1.18	4.233	2.95	7.233	4.12	10.23	1.18
1.250	1.18	4.250	2.95	7.250	4.12	10.25	1.18
1.267	1.18	4.267	3.53	7.267	3.53	10.27	1.18
1.283	1.18	4.283	3.53	7.283	3.53	10.28	1.18
1.300	1.18	4.300	3.53	7.300	3.53	10.30	1.18
1.317	1.18	4.317	3.53	7.317	3.53	10.32	1.18

1.333	1.18	4.333	3.53	7.333	3.53	10.33	1.18
1.350	1.18	4.350	3.53	7.350	3.53	10.35	1.18
1.367	1.18	4.367	3.53	7.367	3.53	10.37	1.18
1.383	1.18	4.383	3.53	7.383	3.53	10.38	1.18
1.400	1.18	4.400	3.53	7.400	3.53	10.40	1.18
1.417	1.18	4.417	3.53	7.417	3.53	10.42	1.18
1.433	1.18	4.433	3.53	7.433	3.53	10.43	1.18
1.450	1.18	4.450	3.53	7.450	3.53	10.45	1.18
1.467	1.18	4.467	3.53	7.467	3.53	10.47	1.18
1.483	1.18	4.483	3.53	7.483	3.53	10.48	1.18
1.500	1.18	4.500	3.53	7.500	3.53	10.50	1.18
1.517	1.18	4.517	4.12	7.517	3.53	10.52	1.18
1.533	1.18	4.533	4.12	7.533	3.53	10.53	1.18
1.550	1.18	4.550	4.12	7.550	3.53	10.55	1.18
1.567	1.18	4.567	4.12	7.567	3.53	10.57	1.18
1.583	1.18	4.583	4.12	7.583	3.53	10.58	1.18
1.600	1.18	4.600	4.12	7.600	3.53	10.60	1.18
1.617	1.18	4.617	4.12	7.617	3.53	10.62	1.18
1.633	1.18	4.633	4.12	7.633	3.53	10.63	1.18
1.650	1.18	4.650	4.12	7.650	3.53	10.65	1.18
1.667	1.18	4.667	4.12	7.667	3.53	10.67	1.18
1.683	1.18	4.683	4.12	7.683	3.53	10.68	1.18
1.700	1.18	4.700	4.12	7.700	3.53	10.70	1.18
1.717	1.18	4.717	4.12	7.717	3.53	10.72	1.18
1.733	1.18	4.733	4.12	7.733	3.53	10.73	1.18
1.750	1.18	4.750	4.12	7.750	3.53	10.75	1.18
1.767	1.18	4.767	4.71	7.767	3.53	10.77	1.18
1.783	1.18	4.783	4.71	7.783	3.53	10.78	1.18
1.800	1.18	4.800	4.71	7.800	3.53	10.80	1.18
1.817	1.18	4.817	4.71	7.817	3.53	10.82	1.18
1.833	1.18	4.833	4.71	7.833	3.53	10.83	1.18
1.850	1.18	4.850	4.71	7.850	3.53	10.85	1.18
1.867	1.18	4.867	4.71	7.867	3.53	10.87	1.18
1.883	1.18	4.883	4.71	7.883	3.53	10.88	1.18
1.900	1.18	4.900	4.71	7.900	3.53	10.90	1.18
1.917	1.18	4.917	4.71	7.917	3.53	10.92	1.18
1.933	1.18	4.933	4.71	7.933	3.53	10.93	1.18
1.950	1.18	4.950	4.71	7.950	3.53	10.95	1.18
1.967	1.18	4.967	4.71	7.967	3.53	10.97	1.18
1.983	1.18	4.983	4.71	7.983	3.53	10.98	1.18
2.000	1.18	5.000	4.71	8.000	3.53	11.00	1.18
2.017	1.77	5.017	5.89	8.017	2.95	11.02	1.18
2.033	1.77	5.033	5.89	8.033	2.95	11.03	1.18
2.050	1.77	5.050	5.89	8.050	2.95	11.05	1.18
2.067	1.77	5.067	5.89	8.067	2.95	11.07	1.18
2.083	1.77	5.083	5.89	8.083	2.95	11.08	1.18
2.100	1.77	5.100	5.89	8.100	2.95	11.10	1.18
2.117	1.77	5.117	5.89	8.117	2.95	11.12	1.18
2.133	1.77	5.133	5.89	8.133	2.95	11.13	1.18
2.150	1.77	5.150	5.89	8.150	2.95	11.15	1.18
2.167	1.77	5.167	5.89	8.167	2.95	11.17	1.18
2.183	1.77	5.183	5.89	8.183	2.95	11.18	1.18
2.200	1.77	5.200	5.89	8.200	2.95	11.20	1.18
2.217	1.77	5.217	5.89	8.217	2.95	11.22	1.18
2.233	1.77	5.233	5.89	8.233	2.95	11.23	1.18
2.250	1.77	5.250	5.89	8.250	2.94	11.25	1.18
2.267	2.36	5.267	7.07	8.267	2.36	11.27	1.18
2.283	2.36	5.283	7.07	8.283	2.36	11.28	1.18
2.300	2.36	5.300	7.07	8.300	2.36	11.30	1.18
2.317	2.36	5.317	7.07	8.317	2.36	11.32	1.18
2.333	2.36	5.333	7.07	8.333	2.36	11.33	1.18
2.350	2.36	5.350	7.07	8.350	2.36	11.35	1.18
2.367	2.36	5.367	7.07	8.367	2.36	11.37	1.18
2.383	2.36	5.383	7.07	8.383	2.36	11.38	1.18
2.400	2.36	5.400	7.07	8.400	2.36	11.40	1.18
2.417	2.36	5.417	7.07	8.417	2.36	11.42	1.18
2.433	2.36	5.433	7.07	8.433	2.36	11.43	1.18
2.450	2.36	5.450	7.07	8.450	2.36	11.45	1.18
2.467	2.36	5.467	7.07	8.467	2.36	11.47	1.18
2.483	2.36	5.483	7.07	8.483	2.36	11.48	1.18
2.500	2.36	5.500	7.09	8.500	2.36	11.50	1.18
2.517	2.36	5.517	30.04	8.517	2.36	11.52	1.18
2.533	2.36	5.533	30.04	8.533	2.36	11.53	1.18
2.550	2.36	5.550	30.04	8.550	2.36	11.55	1.18
2.567	2.36	5.567	30.04	8.567	2.36	11.57	1.18
2.583	2.36	5.583	30.04	8.583	2.36	11.58	1.18
2.600	2.36	5.600	30.04	8.600	2.36	11.60	1.18
2.617	2.36	5.617	30.04	8.617	2.36	11.62	1.18
2.633	2.36	5.633	30.04	8.633	2.36	11.63	1.18
2.650	2.36	5.650	30.04	8.650	2.36	11.65	1.18
2.667	2.36	5.667	30.04	8.667	2.36	11.67	1.18
2.683	2.36	5.683	30.04	8.683	2.36	11.68	1.18
2.700	2.36	5.700	30.04	8.700	2.36	11.70	1.18
2.717	2.36	5.717	30.04	8.717	2.36	11.72	1.18

2.733	2.36	5.733	30.04	8.733	2.36	11.73	1.18
2.750	2.36	5.750	30.07	8.750	2.36	11.75	1.18
2.767	2.36	5.767	53.02	8.767	2.36	11.77	1.18
2.783	2.36	5.783	53.02	8.783	2.36	11.78	1.18
2.800	2.36	5.800	53.02	8.800	2.36	11.80	1.18
2.817	2.36	5.817	53.02	8.817	2.36	11.82	1.18
2.833	2.36	5.833	53.02	8.833	2.36	11.83	1.18
2.850	2.36	5.850	53.02	8.850	2.36	11.85	1.18
2.867	2.36	5.867	53.02	8.867	2.36	11.87	1.18
2.883	2.36	5.883	53.02	8.883	2.36	11.88	1.18
2.900	2.36	5.900	53.02	8.900	2.36	11.90	1.18
2.917	2.36	5.917	53.02	8.917	2.36	11.92	1.18
2.933	2.36	5.933	53.02	8.933	2.36	11.93	1.18
2.950	2.36	5.950	53.02	8.950	2.36	11.95	1.18
2.967	2.36	5.967	53.02	8.967	2.36	11.97	1.18
2.983	2.36	5.983	53.02	8.983	2.36	11.98	1.18
3.000	2.36	6.000	52.99	9.000	2.36	12.00	1.18

Max.Eff.Inten.(mm/hr)= 53.02 10.47
over (min) 5.00 9.00
Storage Coeff. (min)= 1.07 (ii) 8.17 (ii)
Unit Hyd. Tpeak (min)= 5.00 9.00
Unit Hyd. peak (cms)= 0.47 0.13

TOTALS

PEAK FLOW (cms)= 0.02 0.00 0.022 (iii)
TIME TO PEAK (hrs)= 5.98 6.12 6.00
RUNOFF VOLUME (mm)= 56.76 10.70 40.62
TOTAL RAINFALL (mm)= 58.76 58.76
RUNOFF COEFFICIENT = 0.97 0.18 0.69

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0001):	19.50	0.118	8.25	27.03
+ ID2= 2 (0202):	0.21	0.022	6.00	40.62
=====				
ID = 3 (0015):	19.71	0.119	8.23	27.17

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:3.3 SCS II 12hr 10yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData Local\Temp\ ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\10820067
Ptotal= 67.67 mm	Comments: SCS 12 HOUR TYPE II STORM DISTRIBUTION

Duration of storm = 12.00 hrs
Mass curve time step = 30.00 min
New Storm time step = 15.00 min

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.68	3.00	2.71	6.00	36.54	9.00	2.71
0.25	1.35	3.25	2.71	6.25	12.18	9.25	2.71
0.50	1.35	3.50	2.71	6.50	8.80	9.50	2.03
0.75	1.35	3.75	2.71	6.75	5.41	9.75	1.35
1.00	1.35	4.00	3.38	7.00	4.74	10.00	1.35
1.25	1.35	4.25	4.06	7.25	4.06	10.25	1.35
1.50	1.35	4.50	4.74	7.50	4.06	10.50	1.35
1.75	1.35	4.75	5.41	7.75	4.06	10.75	1.35
2.00	2.03	5.00	6.77	8.00	3.38	11.00	1.35
2.25	2.71	5.25	8.12	8.25	2.71	11.25	1.35
2.50	2.71	5.50	34.51	8.50	2.71	11.50	1.35
2.75	2.71	5.75	60.90	8.75	2.71	11.75	1.35

CALIB STANDHYD (0201)	Area (ha)= 19.50
ID= 1 DT= 1.0 min	Total Imp(%)= 62.00 Dir. Conn.(%)= 48.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	12.09	7.41
Dep. Storage	(mm)=	2.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	298.34	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.68	3.017	2.71	6.017	36.54	9.02	2.71
0.033	0.68	3.033	2.71	6.033	36.54	9.03	2.71
0.050	0.68	3.050	2.71	6.050	36.54	9.05	2.71
0.067	0.68	3.067	2.71	6.067	36.54	9.07	2.71
0.083	0.68	3.083	2.71	6.083	36.54	9.08	2.71
0.100	0.68	3.100	2.71	6.100	36.54	9.10	2.71
0.117	0.68	3.117	2.71	6.117	36.54	9.12	2.71
0.133	0.68	3.133	2.71	6.133	36.54	9.13	2.71
0.150	0.68	3.150	2.71	6.150	36.54	9.15	2.71
0.167	0.68	3.167	2.71	6.167	36.54	9.17	2.71
0.183	0.68	3.183	2.71	6.183	36.54	9.18	2.71
0.200	0.68	3.200	2.71	6.200	36.54	9.20	2.71
0.217	0.68	3.217	2.71	6.217	36.54	9.22	2.71
0.233	0.68	3.233	2.71	6.233	36.54	9.23	2.71
0.250	0.68	3.250	2.71	6.250	36.50	9.25	2.71
0.267	1.35	3.267	2.71	6.267	12.18	9.27	2.71
0.283	1.35	3.283	2.71	6.283	12.18	9.28	2.71
0.300	1.35	3.300	2.71	6.300	12.18	9.30	2.71
0.317	1.35	3.317	2.71	6.317	12.18	9.32	2.71
0.333	1.35	3.333	2.71	6.333	12.18	9.33	2.71
0.350	1.35	3.350	2.71	6.350	12.18	9.35	2.71
0.367	1.35	3.367	2.71	6.367	12.18	9.37	2.71
0.383	1.35	3.383	2.71	6.383	12.18	9.38	2.71
0.400	1.35	3.400	2.71	6.400	12.18	9.40	2.71
0.417	1.35	3.417	2.71	6.417	12.18	9.42	2.71
0.433	1.35	3.433	2.71	6.433	12.18	9.43	2.71
0.450	1.35	3.450	2.71	6.450	12.18	9.45	2.71
0.467	1.35	3.467	2.71	6.467	12.18	9.47	2.71
0.483	1.35	3.483	2.71	6.483	12.18	9.48	2.71
0.500	1.35	3.500	2.71	6.500	12.17	9.50	2.71
0.517	1.35	3.517	2.71	6.517	8.80	9.52	2.03
0.533	1.35	3.533	2.71	6.533	8.80	9.53	2.03
0.550	1.35	3.550	2.71	6.550	8.80	9.55	2.03
0.567	1.35	3.567	2.71	6.567	8.80	9.57	2.03
0.583	1.35	3.583	2.71	6.583	8.80	9.58	2.03
0.600	1.35	3.600	2.71	6.600	8.80	9.60	2.03
0.617	1.35	3.617	2.71	6.617	8.80	9.62	2.03
0.633	1.35	3.633	2.71	6.633	8.80	9.63	2.03
0.650	1.35	3.650	2.71	6.650	8.80	9.65	2.03
0.667	1.35	3.667	2.71	6.667	8.80	9.67	2.03
0.683	1.35	3.683	2.71	6.683	8.80	9.68	2.03
0.700	1.35	3.700	2.71	6.700	8.80	9.70	2.03
0.717	1.35	3.717	2.71	6.717	8.80	9.72	2.03
0.733	1.35	3.733	2.71	6.733	8.80	9.73	2.03
0.750	1.35	3.750	2.71	6.750	8.79	9.75	2.03
0.767	1.35	3.767	2.71	6.767	5.41	9.77	1.35
0.783	1.35	3.783	2.71	6.783	5.41	9.78	1.35
0.800	1.35	3.800	2.71	6.800	5.41	9.80	1.35
0.817	1.35	3.817	2.71	6.817	5.41	9.82	1.35
0.833	1.35	3.833	2.71	6.833	5.41	9.83	1.35
0.850	1.35	3.850	2.71	6.850	5.41	9.85	1.35
0.867	1.35	3.867	2.71	6.867	5.41	9.87	1.35
0.883	1.35	3.883	2.71	6.883	5.41	9.88	1.35
0.900	1.35	3.900	2.71	6.900	5.41	9.90	1.35
0.917	1.35	3.917	2.71	6.917	5.41	9.92	1.35
0.933	1.35	3.933	2.71	6.933	5.41	9.93	1.35
0.950	1.35	3.950	2.71	6.950	5.41	9.95	1.35
0.967	1.35	3.967	2.71	6.967	5.41	9.97	1.35
0.983	1.35	3.983	2.71	6.983	5.41	9.98	1.35
1.000	1.35	4.000	2.71	7.000	5.41	10.00	1.35
1.017	1.35	4.017	3.38	7.017	4.74	10.02	1.35
1.033	1.35	4.033	3.38	7.033	4.74	10.03	1.35
1.050	1.35	4.050	3.38	7.050	4.74	10.05	1.35
1.067	1.35	4.067	3.38	7.067	4.74	10.07	1.35
1.083	1.35	4.083	3.38	7.083	4.74	10.08	1.35
1.100	1.35	4.100	3.38	7.100	4.74	10.10	1.35
1.117	1.35	4.117	3.38	7.117	4.74	10.12	1.35
1.133	1.35	4.133	3.38	7.133	4.74	10.13	1.35
1.150	1.35	4.150	3.38	7.150	4.74	10.15	1.35
1.167	1.35	4.167	3.38	7.167	4.74	10.17	1.35

1.183	1.35	4.183	3.38	7.183	4.74	10.18	1.35
1.200	1.35	4.200	3.38	7.200	4.74	10.20	1.35
1.217	1.35	4.217	3.38	7.217	4.74	10.22	1.35
1.233	1.35	4.233	3.38	7.233	4.74	10.23	1.35
1.250	1.35	4.250	3.38	7.250	4.74	10.25	1.35
1.267	1.35	4.267	4.06	7.267	4.06	10.27	1.35
1.283	1.35	4.283	4.06	7.283	4.06	10.28	1.35
1.300	1.35	4.300	4.06	7.300	4.06	10.30	1.35
1.317	1.35	4.317	4.06	7.317	4.06	10.32	1.35
1.333	1.35	4.333	4.06	7.333	4.06	10.33	1.35
1.350	1.35	4.350	4.06	7.350	4.06	10.35	1.35
1.367	1.35	4.367	4.06	7.367	4.06	10.37	1.35
1.383	1.35	4.383	4.06	7.383	4.06	10.38	1.35
1.400	1.35	4.400	4.06	7.400	4.06	10.40	1.35
1.417	1.35	4.417	4.06	7.417	4.06	10.42	1.35
1.433	1.35	4.433	4.06	7.433	4.06	10.43	1.35
1.450	1.35	4.450	4.06	7.450	4.06	10.45	1.35
1.467	1.35	4.467	4.06	7.467	4.06	10.47	1.35
1.483	1.35	4.483	4.06	7.483	4.06	10.48	1.35
1.500	1.35	4.500	4.06	7.500	4.06	10.50	1.35
1.517	1.35	4.517	4.74	7.517	4.06	10.52	1.35
1.533	1.35	4.533	4.74	7.533	4.06	10.53	1.35
1.550	1.35	4.550	4.74	7.550	4.06	10.55	1.35
1.567	1.35	4.567	4.74	7.567	4.06	10.57	1.35
1.583	1.35	4.583	4.74	7.583	4.06	10.58	1.35
1.600	1.35	4.600	4.74	7.600	4.06	10.60	1.35
1.617	1.35	4.617	4.74	7.617	4.06	10.62	1.35
1.633	1.35	4.633	4.74	7.633	4.06	10.63	1.35
1.650	1.35	4.650	4.74	7.650	4.06	10.65	1.35
1.667	1.35	4.667	4.74	7.667	4.06	10.67	1.35
1.683	1.35	4.683	4.74	7.683	4.06	10.68	1.35
1.700	1.35	4.700	4.74	7.700	4.06	10.70	1.35
1.717	1.35	4.717	4.74	7.717	4.06	10.72	1.35
1.733	1.35	4.733	4.74	7.733	4.06	10.73	1.35
1.750	1.35	4.750	4.74	7.750	4.06	10.75	1.35
1.767	1.35	4.767	5.41	7.767	4.06	10.77	1.35
1.783	1.35	4.783	5.41	7.783	4.06	10.78	1.35
1.800	1.35	4.800	5.41	7.800	4.06	10.80	1.35
1.817	1.35	4.817	5.41	7.817	4.06	10.82	1.35
1.833	1.35	4.833	5.41	7.833	4.06	10.83	1.35
1.850	1.35	4.850	5.41	7.850	4.06	10.85	1.35
1.867	1.35	4.867	5.41	7.867	4.06	10.87	1.35
1.883	1.35	4.883	5.41	7.883	4.06	10.88	1.35
1.900	1.35	4.900	5.41	7.900	4.06	10.90	1.35
1.917	1.35	4.917	5.41	7.917	4.06	10.92	1.35
1.933	1.35	4.933	5.41	7.933	4.06	10.93	1.35
1.950	1.35	4.950	5.41	7.950	4.06	10.95	1.35
1.967	1.35	4.967	5.41	7.967	4.06	10.97	1.35
1.983	1.35	4.983	5.41	7.983	4.06	10.98	1.35
2.000	1.35	5.000	5.41	8.000	4.06	11.00	1.35
2.017	2.03	5.017	6.77	8.017	3.38	11.02	1.35
2.033	2.03	5.033	6.77	8.033	3.38	11.03	1.35
2.050	2.03	5.050	6.77	8.050	3.38	11.05	1.35
2.067	2.03	5.067	6.77	8.067	3.38	11.07	1.35
2.083	2.03	5.083	6.77	8.083	3.38	11.08	1.35
2.100	2.03	5.100	6.77	8.100	3.38	11.10	1.35
2.117	2.03	5.117	6.77	8.117	3.38	11.12	1.35
2.133	2.03	5.133	6.77	8.133	3.38	11.13	1.35
2.150	2.03	5.150	6.77	8.150	3.38	11.15	1.35
2.167	2.03	5.167	6.77	8.167	3.38	11.17	1.35
2.183	2.03	5.183	6.77	8.183	3.38	11.18	1.35
2.200	2.03	5.200	6.77	8.200	3.38	11.20	1.35
2.217	2.03	5.217	6.77	8.217	3.38	11.22	1.35
2.233	2.03	5.233	6.77	8.233	3.38	11.23	1.35
2.250	2.03	5.250	6.77	8.250	3.38	11.25	1.35
2.267	2.71	5.267	8.12	8.267	2.71	11.27	1.35
2.283	2.71	5.283	8.12	8.283	2.71	11.28	1.35
2.300	2.71	5.300	8.12	8.300	2.71	11.30	1.35
2.317	2.71	5.317	8.12	8.317	2.71	11.32	1.35
2.333	2.71	5.333	8.12	8.333	2.71	11.33	1.35
2.350	2.71	5.350	8.12	8.350	2.71	11.35	1.35
2.367	2.71	5.367	8.12	8.367	2.71	11.37	1.35
2.383	2.71	5.383	8.12	8.383	2.71	11.38	1.35
2.400	2.71	5.400	8.12	8.400	2.71	11.40	1.35
2.417	2.71	5.417	8.12	8.417	2.71	11.42	1.35
2.433	2.71	5.433	8.12	8.433	2.71	11.43	1.35
2.450	2.71	5.450	8.12	8.450	2.71	11.45	1.35
2.467	2.71	5.467	8.12	8.467	2.71	11.47	1.35
2.483	2.71	5.483	8.12	8.483	2.71	11.48	1.35
2.500	2.71	5.500	8.15	8.500	2.71	11.50	1.35
2.517	2.71	5.517	34.51	8.517	2.71	11.52	1.35
2.533	2.71	5.533	34.51	8.533	2.71	11.53	1.35
2.550	2.71	5.550	34.51	8.550	2.71	11.55	1.35
2.567	2.71	5.567	34.51	8.567	2.71	11.57	1.35

2.583	2.71	5.583	34.51	8.583	2.71	11.58	1.35
2.600	2.71	5.600	34.51	8.600	2.71	11.60	1.35
2.617	2.71	5.617	34.51	8.617	2.71	11.62	1.35
2.633	2.71	5.633	34.51	8.633	2.71	11.63	1.35
2.650	2.71	5.650	34.51	8.650	2.71	11.65	1.35
2.667	2.71	5.667	34.51	8.667	2.71	11.67	1.35
2.683	2.71	5.683	34.51	8.683	2.71	11.68	1.35
2.700	2.71	5.700	34.51	8.700	2.71	11.70	1.35
2.717	2.71	5.717	34.51	8.717	2.71	11.72	1.35
2.733	2.71	5.733	34.51	8.733	2.71	11.73	1.35
2.750	2.71	5.750	34.54	8.750	2.71	11.75	1.35
2.767	2.71	5.767	60.90	8.767	2.71	11.77	1.35
2.783	2.71	5.783	60.90	8.783	2.71	11.78	1.35
2.800	2.71	5.800	60.90	8.800	2.71	11.80	1.35
2.817	2.71	5.817	60.90	8.817	2.71	11.82	1.35
2.833	2.71	5.833	60.90	8.833	2.71	11.83	1.35
2.850	2.71	5.850	60.90	8.850	2.71	11.85	1.35
2.867	2.71	5.867	60.90	8.867	2.71	11.87	1.35
2.883	2.71	5.883	60.90	8.883	2.71	11.88	1.35
2.900	2.71	5.900	60.90	8.900	2.71	11.90	1.35
2.917	2.71	5.917	60.90	8.917	2.71	11.92	1.35
2.933	2.71	5.933	60.90	8.933	2.71	11.93	1.35
2.950	2.71	5.950	60.90	8.950	2.71	11.95	1.35
2.967	2.71	5.967	60.90	8.967	2.71	11.97	1.35
2.983	2.71	5.983	60.90	8.983	2.71	11.98	1.35
3.000	2.71	6.000	60.87	9.000	2.71	12.00	1.35

Max.Eff.Inten.(mm/hr)= 60.90 25.06
over (min) 6.00 14.00
Storage Coeff. (min)= 6.00 (ii) 13.84 (ii)
Unit Hyd. Tpeak (min)= 6.00 14.00
Unit Hyd. peak (cms)= 0.19 0.08

TOTALS

PEAK FLOW (cms)= 1.49 0.37 1.765 (iii)
TIME TO PEAK (hrs)= 6.02 6.25 6.03
RUNOFF VOLUME (mm)= 65.50 18.36 40.99
TOTAL RAINFALL (mm)= 67.50 67.50 67.50
RUNOFF COEFFICIENT = 0.97 0.27 0.61

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)
IN= 2---> OUT= 1
DT= 5.0 min

OVERFLOW IS OFF

OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
0.0000	0.0000	0.1330	0.5200
0.0380	0.2900	0.1650	0.5800
0.0680	0.3850	0.2000	0.6300
0.0940	0.4500	0.4800	1.1000

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)	19.500	1.765	6.03	40.99
OUTFLOW: ID= 1 (0001)	19.500	0.158	7.93	32.90

PEAK FLOW REDUCTION [Qout/Qin](%)= 8.98
TIME SHIFT OF PEAK FLOW (min)=114.00
MAXIMUM STORAGE USED (ha.m.)= 0.5676

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB
STANDHYD (0202)
ID= 1 DT= 1.0 min

Area (ha)= 0.21
Total Imp(%)= 65.00 Dir. Conn.(%)= 65.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.14	0.07
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	15.25	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.68	3.017	2.71	6.017	36.54	9.02	2.71
0.033	0.68	3.033	2.71	6.033	36.54	9.03	2.71
0.050	0.68	3.050	2.71	6.050	36.54	9.05	2.71
0.067	0.68	3.067	2.71	6.067	36.54	9.07	2.71
0.083	0.68	3.083	2.71	6.083	36.54	9.08	2.71
0.100	0.68	3.100	2.71	6.100	36.54	9.10	2.71
0.117	0.68	3.117	2.71	6.117	36.54	9.12	2.71
0.133	0.68	3.133	2.71	6.133	36.54	9.13	2.71
0.150	0.68	3.150	2.71	6.150	36.54	9.15	2.71
0.167	0.68	3.167	2.71	6.167	36.54	9.17	2.71
0.183	0.68	3.183	2.71	6.183	36.54	9.18	2.71
0.200	0.68	3.200	2.71	6.200	36.54	9.20	2.71
0.217	0.68	3.217	2.71	6.217	36.54	9.22	2.71
0.233	0.68	3.233	2.71	6.233	36.54	9.23	2.71
0.250	0.68	3.250	2.71	6.250	36.50	9.25	2.71
0.267	1.35	3.267	2.71	6.267	12.18	9.27	2.71
0.283	1.35	3.283	2.71	6.283	12.18	9.28	2.71
0.300	1.35	3.300	2.71	6.300	12.18	9.30	2.71
0.317	1.35	3.317	2.71	6.317	12.18	9.32	2.71
0.333	1.35	3.333	2.71	6.333	12.18	9.33	2.71
0.350	1.35	3.350	2.71	6.350	12.18	9.35	2.71
0.367	1.35	3.367	2.71	6.367	12.18	9.37	2.71
0.383	1.35	3.383	2.71	6.383	12.18	9.38	2.71
0.400	1.35	3.400	2.71	6.400	12.18	9.40	2.71
0.417	1.35	3.417	2.71	6.417	12.18	9.42	2.71
0.433	1.35	3.433	2.71	6.433	12.18	9.43	2.71
0.450	1.35	3.450	2.71	6.450	12.18	9.45	2.71
0.467	1.35	3.467	2.71	6.467	12.18	9.47	2.71
0.483	1.35	3.483	2.71	6.483	12.18	9.48	2.71
0.500	1.35	3.500	2.71	6.500	12.17	9.50	2.71
0.517	1.35	3.517	2.71	6.517	8.80	9.52	2.03
0.533	1.35	3.533	2.71	6.533	8.80	9.53	2.03
0.550	1.35	3.550	2.71	6.550	8.80	9.55	2.03
0.567	1.35	3.567	2.71	6.567	8.80	9.57	2.03
0.583	1.35	3.583	2.71	6.583	8.80	9.58	2.03
0.600	1.35	3.600	2.71	6.600	8.80	9.60	2.03
0.617	1.35	3.617	2.71	6.617	8.80	9.62	2.03
0.633	1.35	3.633	2.71	6.633	8.80	9.63	2.03
0.650	1.35	3.650	2.71	6.650	8.80	9.65	2.03
0.667	1.35	3.667	2.71	6.667	8.80	9.67	2.03
0.683	1.35	3.683	2.71	6.683	8.80	9.68	2.03
0.700	1.35	3.700	2.71	6.700	8.80	9.70	2.03
0.717	1.35	3.717	2.71	6.717	8.80	9.72	2.03
0.733	1.35	3.733	2.71	6.733	8.80	9.73	2.03
0.750	1.35	3.750	2.71	6.750	8.79	9.75	2.03
0.767	1.35	3.767	2.71	6.767	5.41	9.77	1.35
0.783	1.35	3.783	2.71	6.783	5.41	9.78	1.35
0.800	1.35	3.800	2.71	6.800	5.41	9.80	1.35
0.817	1.35	3.817	2.71	6.817	5.41	9.82	1.35
0.833	1.35	3.833	2.71	6.833	5.41	9.83	1.35
0.850	1.35	3.850	2.71	6.850	5.41	9.85	1.35
0.867	1.35	3.867	2.71	6.867	5.41	9.87	1.35
0.883	1.35	3.883	2.71	6.883	5.41	9.88	1.35
0.900	1.35	3.900	2.71	6.900	5.41	9.90	1.35
0.917	1.35	3.917	2.71	6.917	5.41	9.92	1.35
0.933	1.35	3.933	2.71	6.933	5.41	9.93	1.35
0.950	1.35	3.950	2.71	6.950	5.41	9.95	1.35
0.967	1.35	3.967	2.71	6.967	5.41	9.97	1.35
0.983	1.35	3.983	2.71	6.983	5.41	9.98	1.35
1.000	1.35	4.000	2.71	7.000	5.41	10.00	1.35
1.017	1.35	4.017	3.38	7.017	4.74	10.02	1.35
1.033	1.35	4.033	3.38	7.033	4.74	10.03	1.35
1.050	1.35	4.050	3.38	7.050	4.74	10.05	1.35
1.067	1.35	4.067	3.38	7.067	4.74	10.07	1.35
1.083	1.35	4.083	3.38	7.083	4.74	10.08	1.35
1.100	1.35	4.100	3.38	7.100	4.74	10.10	1.35
1.117	1.35	4.117	3.38	7.117	4.74	10.12	1.35
1.133	1.35	4.133	3.38	7.133	4.74	10.13	1.35
1.150	1.35	4.150	3.38	7.150	4.74	10.15	1.35
1.167	1.35	4.167	3.38	7.167	4.74	10.17	1.35
1.183	1.35	4.183	3.38	7.183	4.74	10.18	1.35
1.200	1.35	4.200	3.38	7.200	4.74	10.20	1.35
1.217	1.35	4.217	3.38	7.217	4.74	10.22	1.35
1.233	1.35	4.233	3.38	7.233	4.74	10.23	1.35
1.250	1.35	4.250	3.38	7.250	4.74	10.25	1.35
1.267	1.35	4.267	4.06	7.267	4.06	10.27	1.35
1.283	1.35	4.283	4.06	7.283	4.06	10.28	1.35
1.300	1.35	4.300	4.06	7.300	4.06	10.30	1.35
1.317	1.35	4.317	4.06	7.317	4.06	10.32	1.35
1.333	1.35	4.333	4.06	7.333	4.06	10.33	1.35
1.350	1.35	4.350	4.06	7.350	4.06	10.35	1.35
1.367	1.35	4.367	4.06	7.367	4.06	10.37	1.35

1.383	1.35	4.383	4.06	7.383	4.06	10.38	1.35
1.400	1.35	4.400	4.06	7.400	4.06	10.40	1.35
1.417	1.35	4.417	4.06	7.417	4.06	10.42	1.35
1.433	1.35	4.433	4.06	7.433	4.06	10.43	1.35
1.450	1.35	4.450	4.06	7.450	4.06	10.45	1.35
1.467	1.35	4.467	4.06	7.467	4.06	10.47	1.35
1.483	1.35	4.483	4.06	7.483	4.06	10.48	1.35
1.500	1.35	4.500	4.06	7.500	4.06	10.50	1.35
1.517	1.35	4.517	4.74	7.517	4.06	10.52	1.35
1.533	1.35	4.533	4.74	7.533	4.06	10.53	1.35
1.550	1.35	4.550	4.74	7.550	4.06	10.55	1.35
1.567	1.35	4.567	4.74	7.567	4.06	10.57	1.35
1.583	1.35	4.583	4.74	7.583	4.06	10.58	1.35
1.600	1.35	4.600	4.74	7.600	4.06	10.60	1.35
1.617	1.35	4.617	4.74	7.617	4.06	10.62	1.35
1.633	1.35	4.633	4.74	7.633	4.06	10.63	1.35
1.650	1.35	4.650	4.74	7.650	4.06	10.65	1.35
1.667	1.35	4.667	4.74	7.667	4.06	10.67	1.35
1.683	1.35	4.683	4.74	7.683	4.06	10.68	1.35
1.700	1.35	4.700	4.74	7.700	4.06	10.70	1.35
1.717	1.35	4.717	4.74	7.717	4.06	10.72	1.35
1.733	1.35	4.733	4.74	7.733	4.06	10.73	1.35
1.750	1.35	4.750	4.74	7.750	4.06	10.75	1.35
1.767	1.35	4.767	5.41	7.767	4.06	10.77	1.35
1.783	1.35	4.783	5.41	7.783	4.06	10.78	1.35
1.800	1.35	4.800	5.41	7.800	4.06	10.80	1.35
1.817	1.35	4.817	5.41	7.817	4.06	10.82	1.35
1.833	1.35	4.833	5.41	7.833	4.06	10.83	1.35
1.850	1.35	4.850	5.41	7.850	4.06	10.85	1.35
1.867	1.35	4.867	5.41	7.867	4.06	10.87	1.35
1.883	1.35	4.883	5.41	7.883	4.06	10.88	1.35
1.900	1.35	4.900	5.41	7.900	4.06	10.90	1.35
1.917	1.35	4.917	5.41	7.917	4.06	10.92	1.35
1.933	1.35	4.933	5.41	7.933	4.06	10.93	1.35
1.950	1.35	4.950	5.41	7.950	4.06	10.95	1.35
1.967	1.35	4.967	5.41	7.967	4.06	10.97	1.35
1.983	1.35	4.983	5.41	7.983	4.06	10.98	1.35
2.000	1.35	5.000	5.41	8.000	4.06	11.00	1.35
2.017	2.03	5.017	6.77	8.017	3.38	11.02	1.35
2.033	2.03	5.033	6.77	8.033	3.38	11.03	1.35
2.050	2.03	5.050	6.77	8.050	3.38	11.05	1.35
2.067	2.03	5.067	6.77	8.067	3.38	11.07	1.35
2.083	2.03	5.083	6.77	8.083	3.38	11.08	1.35
2.100	2.03	5.100	6.77	8.100	3.38	11.10	1.35
2.117	2.03	5.117	6.77	8.117	3.38	11.12	1.35
2.133	2.03	5.133	6.77	8.133	3.38	11.13	1.35
2.150	2.03	5.150	6.77	8.150	3.38	11.15	1.35
2.167	2.03	5.167	6.77	8.167	3.38	11.17	1.35
2.183	2.03	5.183	6.77	8.183	3.38	11.18	1.35
2.200	2.03	5.200	6.77	8.200	3.38	11.20	1.35
2.217	2.03	5.217	6.77	8.217	3.38	11.22	1.35
2.233	2.03	5.233	6.77	8.233	3.38	11.23	1.35
2.250	2.03	5.250	6.77	8.250	3.38	11.25	1.35
2.267	2.71	5.267	8.12	8.267	2.71	11.27	1.35
2.283	2.71	5.283	8.12	8.283	2.71	11.28	1.35
2.300	2.71	5.300	8.12	8.300	2.71	11.30	1.35
2.317	2.71	5.317	8.12	8.317	2.71	11.32	1.35
2.333	2.71	5.333	8.12	8.333	2.71	11.33	1.35
2.350	2.71	5.350	8.12	8.350	2.71	11.35	1.35
2.367	2.71	5.367	8.12	8.367	2.71	11.37	1.35
2.383	2.71	5.383	8.12	8.383	2.71	11.38	1.35
2.400	2.71	5.400	8.12	8.400	2.71	11.40	1.35
2.417	2.71	5.417	8.12	8.417	2.71	11.42	1.35
2.433	2.71	5.433	8.12	8.433	2.71	11.43	1.35
2.450	2.71	5.450	8.12	8.450	2.71	11.45	1.35
2.467	2.71	5.467	8.12	8.467	2.71	11.47	1.35
2.483	2.71	5.483	8.12	8.483	2.71	11.48	1.35
2.500	2.71	5.500	8.15	8.500	2.71	11.50	1.35
2.517	2.71	5.517	34.51	8.517	2.71	11.52	1.35
2.533	2.71	5.533	34.51	8.533	2.71	11.53	1.35
2.550	2.71	5.550	34.51	8.550	2.71	11.55	1.35
2.567	2.71	5.567	34.51	8.567	2.71	11.57	1.35
2.583	2.71	5.583	34.51	8.583	2.71	11.58	1.35
2.600	2.71	5.600	34.51	8.600	2.71	11.60	1.35
2.617	2.71	5.617	34.51	8.617	2.71	11.62	1.35
2.633	2.71	5.633	34.51	8.633	2.71	11.63	1.35
2.650	2.71	5.650	34.51	8.650	2.71	11.65	1.35
2.667	2.71	5.667	34.51	8.667	2.71	11.67	1.35
2.683	2.71	5.683	34.51	8.683	2.71	11.68	1.35
2.700	2.71	5.700	34.51	8.700	2.71	11.70	1.35
2.717	2.71	5.717	34.51	8.717	2.71	11.72	1.35
2.733	2.71	5.733	34.51	8.733	2.71	11.73	1.35
2.750	2.71	5.750	34.54	8.750	2.71	11.75	1.35
2.767	2.71	5.767	60.90	8.767	2.71	11.77	1.35

2.783	2.71	5.783	60.90	8.783	2.71	11.78	1.35
2.800	2.71	5.800	60.90	8.800	2.71	11.80	1.35
2.817	2.71	5.817	60.90	8.817	2.71	11.82	1.35
2.833	2.71	5.833	60.90	8.833	2.71	11.83	1.35
2.850	2.71	5.850	60.90	8.850	2.71	11.85	1.35
2.867	2.71	5.867	60.90	8.867	2.71	11.87	1.35
2.883	2.71	5.883	60.90	8.883	2.71	11.88	1.35
2.900	2.71	5.900	60.90	8.900	2.71	11.90	1.35
2.917	2.71	5.917	60.90	8.917	2.71	11.92	1.35
2.933	2.71	5.933	60.90	8.933	2.71	11.93	1.35
2.950	2.71	5.950	60.90	8.950	2.71	11.95	1.35
2.967	2.71	5.967	60.90	8.967	2.71	11.97	1.35
2.983	2.71	5.983	60.90	8.983	2.71	11.98	1.35
3.000	2.71	6.000	60.87	9.000	2.71	12.00	1.35

Max.Eff.Inten.(mm/hr)= 60.90 13.79
over (min) 5.00 8.00
Storage Coeff. (min)= 1.01 (ii) 7.73 (ii)
Unit Hyd. Tpeak (min)= 5.00 8.00
Unit Hyd. peak (cms)= 0.47 0.14

TOTALS

PEAK FLOW (cms)= 0.02 0.00 0.025 (iii)
TIME TO PEAK (hrs)= 5.98 6.08 6.00
RUNOFF VOLUME (mm)= 65.50 14.01 47.46
TOTAL RAINFALL (mm)= 67.50 67.50 67.50
RUNOFF COEFFICIENT = 0.97 0.21 0.70

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0001):	19.50	0.158	7.93	32.90
+ ID2= 2 (0202):	0.21	0.025	6.00	47.46
=====				
ID = 3 (0015):	19.71	0.160	7.95	33.06

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:3.4 SCS II 12hr 25yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData
	ata\Local\Temp\
	ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\ee92dc1e
Ptotal= 79.02 mm	Comments: SCS 12 HOUR TYPE II STORM DISTRIBUTION
	Duration of storm = 12.00 hrs
	Mass curve time step = 30.00 min
	New Storm time step = 15.00 min

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	0.79	3.00	3.16	6.00	42.67	9.00	3.16
0.25	1.58	3.25	3.16	6.25	14.22	9.25	3.16
0.50	1.58	3.50	3.16	6.50	10.27	9.50	2.37
0.75	1.58	3.75	3.16	6.75	6.32	9.75	1.58
1.00	1.58	4.00	3.95	7.00	5.53	10.00	1.58
1.25	1.58	4.25	4.74	7.25	4.74	10.25	1.58
1.50	1.58	4.50	5.53	7.50	4.74	10.50	1.58
1.75	1.58	4.75	6.32	7.75	4.74	10.75	1.58
2.00	2.37	5.00	7.90	8.00	3.95	11.00	1.58
2.25	3.16	5.25	9.48	8.25	3.16	11.25	1.58
2.50	3.16	5.50	40.30	8.50	3.16	11.50	1.58
2.75	3.16	5.75	71.12	8.75	3.16	11.75	1.58

CALIB			
STANDHYD (0201)	Area (ha)= 19.50		
ID= 1 DT= 1.0 min	Total Imp(%)= 62.00	Dir. Conn.(%)= 48.00	
	IMPERVIOUS	PERVIOUS (i)	
Surface Area (ha)=	12.09	7.41	

Dep. Storage	(mm)=	2.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	298.34	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.79	3.017	3.16	6.017	42.67	9.02	3.16
0.033	0.79	3.033	3.16	6.033	42.67	9.03	3.16
0.050	0.79	3.050	3.16	6.050	42.67	9.05	3.16
0.067	0.79	3.067	3.16	6.067	42.67	9.07	3.16
0.083	0.79	3.083	3.16	6.083	42.67	9.08	3.16
0.100	0.79	3.100	3.16	6.100	42.67	9.10	3.16
0.117	0.79	3.117	3.16	6.117	42.67	9.12	3.16
0.133	0.79	3.133	3.16	6.133	42.67	9.13	3.16
0.150	0.79	3.150	3.16	6.150	42.67	9.15	3.16
0.167	0.79	3.167	3.16	6.167	42.67	9.17	3.16
0.183	0.79	3.183	3.16	6.183	42.67	9.18	3.16
0.200	0.79	3.200	3.16	6.200	42.67	9.20	3.16
0.217	0.79	3.217	3.16	6.217	42.67	9.22	3.16
0.233	0.79	3.233	3.16	6.233	42.67	9.23	3.16
0.250	0.79	3.250	3.16	6.250	42.63	9.25	3.16
0.267	1.58	3.267	3.16	6.267	14.22	9.27	3.16
0.283	1.58	3.283	3.16	6.283	14.22	9.28	3.16
0.300	1.58	3.300	3.16	6.300	14.22	9.30	3.16
0.317	1.58	3.317	3.16	6.317	14.22	9.32	3.16
0.333	1.58	3.333	3.16	6.333	14.22	9.33	3.16
0.350	1.58	3.350	3.16	6.350	14.22	9.35	3.16
0.367	1.58	3.367	3.16	6.367	14.22	9.37	3.16
0.383	1.58	3.383	3.16	6.383	14.22	9.38	3.16
0.400	1.58	3.400	3.16	6.400	14.22	9.40	3.16
0.417	1.58	3.417	3.16	6.417	14.22	9.42	3.16
0.433	1.58	3.433	3.16	6.433	14.22	9.43	3.16
0.450	1.58	3.450	3.16	6.450	14.22	9.45	3.16
0.467	1.58	3.467	3.16	6.467	14.22	9.47	3.16
0.483	1.58	3.483	3.16	6.483	14.22	9.48	3.16
0.500	1.58	3.500	3.16	6.500	14.22	9.50	3.16
0.517	1.58	3.517	3.16	6.517	10.27	9.52	2.37
0.533	1.58	3.533	3.16	6.533	10.27	9.53	2.37
0.550	1.58	3.550	3.16	6.550	10.27	9.55	2.37
0.567	1.58	3.567	3.16	6.567	10.27	9.57	2.37
0.583	1.58	3.583	3.16	6.583	10.27	9.58	2.37
0.600	1.58	3.600	3.16	6.600	10.27	9.60	2.37
0.617	1.58	3.617	3.16	6.617	10.27	9.62	2.37
0.633	1.58	3.633	3.16	6.633	10.27	9.63	2.37
0.650	1.58	3.650	3.16	6.650	10.27	9.65	2.37
0.667	1.58	3.667	3.16	6.667	10.27	9.67	2.37
0.683	1.58	3.683	3.16	6.683	10.27	9.68	2.37
0.700	1.58	3.700	3.16	6.700	10.27	9.70	2.37
0.717	1.58	3.717	3.16	6.717	10.27	9.72	2.37
0.733	1.58	3.733	3.16	6.733	10.27	9.73	2.37
0.750	1.58	3.750	3.16	6.750	10.26	9.75	2.37
0.767	1.58	3.767	3.16	6.767	6.32	9.77	1.58
0.783	1.58	3.783	3.16	6.783	6.32	9.78	1.58
0.800	1.58	3.800	3.16	6.800	6.32	9.80	1.58
0.817	1.58	3.817	3.16	6.817	6.32	9.82	1.58
0.833	1.58	3.833	3.16	6.833	6.32	9.83	1.58
0.850	1.58	3.850	3.16	6.850	6.32	9.85	1.58
0.867	1.58	3.867	3.16	6.867	6.32	9.87	1.58
0.883	1.58	3.883	3.16	6.883	6.32	9.88	1.58
0.900	1.58	3.900	3.16	6.900	6.32	9.90	1.58
0.917	1.58	3.917	3.16	6.917	6.32	9.92	1.58
0.933	1.58	3.933	3.16	6.933	6.32	9.93	1.58
0.950	1.58	3.950	3.16	6.950	6.32	9.95	1.58
0.967	1.58	3.967	3.16	6.967	6.32	9.97	1.58
0.983	1.58	3.983	3.16	6.983	6.32	9.98	1.58
1.000	1.58	4.000	3.16	7.000	6.32	10.00	1.58
1.017	1.58	4.017	3.95	7.017	5.53	10.02	1.58
1.033	1.58	4.033	3.95	7.033	5.53	10.03	1.58
1.050	1.58	4.050	3.95	7.050	5.53	10.05	1.58
1.067	1.58	4.067	3.95	7.067	5.53	10.07	1.58
1.083	1.58	4.083	3.95	7.083	5.53	10.08	1.58
1.100	1.58	4.100	3.95	7.100	5.53	10.10	1.58
1.117	1.58	4.117	3.95	7.117	5.53	10.12	1.58
1.133	1.58	4.133	3.95	7.133	5.53	10.13	1.58
1.150	1.58	4.150	3.95	7.150	5.53	10.15	1.58
1.167	1.58	4.167	3.95	7.167	5.53	10.17	1.58
1.183	1.58	4.183	3.95	7.183	5.53	10.18	1.58
1.200	1.58	4.200	3.95	7.200	5.53	10.20	1.58
1.217	1.58	4.217	3.95	7.217	5.53	10.22	1.58

1.233	1.58	4.233	3.95	7.233	5.53	10.23	1.58
1.250	1.58	4.250	3.95	7.250	5.53	10.25	1.58
1.267	1.58	4.267	4.74	7.267	4.74	10.27	1.58
1.283	1.58	4.283	4.74	7.283	4.74	10.28	1.58
1.300	1.58	4.300	4.74	7.300	4.74	10.30	1.58
1.317	1.58	4.317	4.74	7.317	4.74	10.32	1.58
1.333	1.58	4.333	4.74	7.333	4.74	10.33	1.58
1.350	1.58	4.350	4.74	7.350	4.74	10.35	1.58
1.367	1.58	4.367	4.74	7.367	4.74	10.37	1.58
1.383	1.58	4.383	4.74	7.383	4.74	10.38	1.58
1.400	1.58	4.400	4.74	7.400	4.74	10.40	1.58
1.417	1.58	4.417	4.74	7.417	4.74	10.42	1.58
1.433	1.58	4.433	4.74	7.433	4.74	10.43	1.58
1.450	1.58	4.450	4.74	7.450	4.74	10.45	1.58
1.467	1.58	4.467	4.74	7.467	4.74	10.47	1.58
1.483	1.58	4.483	4.74	7.483	4.74	10.48	1.58
1.500	1.58	4.500	4.74	7.500	4.74	10.50	1.58
1.517	1.58	4.517	5.53	7.517	4.74	10.52	1.58
1.533	1.58	4.533	5.53	7.533	4.74	10.53	1.58
1.550	1.58	4.550	5.53	7.550	4.74	10.55	1.58
1.567	1.58	4.567	5.53	7.567	4.74	10.57	1.58
1.583	1.58	4.583	5.53	7.583	4.74	10.58	1.58
1.600	1.58	4.600	5.53	7.600	4.74	10.60	1.58
1.617	1.58	4.617	5.53	7.617	4.74	10.62	1.58
1.633	1.58	4.633	5.53	7.633	4.74	10.63	1.58
1.650	1.58	4.650	5.53	7.650	4.74	10.65	1.58
1.667	1.58	4.667	5.53	7.667	4.74	10.67	1.58
1.683	1.58	4.683	5.53	7.683	4.74	10.68	1.58
1.700	1.58	4.700	5.53	7.700	4.74	10.70	1.58
1.717	1.58	4.717	5.53	7.717	4.74	10.72	1.58
1.733	1.58	4.733	5.53	7.733	4.74	10.73	1.58
1.750	1.58	4.750	5.53	7.750	4.74	10.75	1.58
1.767	1.58	4.767	6.32	7.767	4.74	10.77	1.58
1.783	1.58	4.783	6.32	7.783	4.74	10.78	1.58
1.800	1.58	4.800	6.32	7.800	4.74	10.80	1.58
1.817	1.58	4.817	6.32	7.817	4.74	10.82	1.58
1.833	1.58	4.833	6.32	7.833	4.74	10.83	1.58
1.850	1.58	4.850	6.32	7.850	4.74	10.85	1.58
1.867	1.58	4.867	6.32	7.867	4.74	10.87	1.58
1.883	1.58	4.883	6.32	7.883	4.74	10.88	1.58
1.900	1.58	4.900	6.32	7.900	4.74	10.90	1.58
1.917	1.58	4.917	6.32	7.917	4.74	10.92	1.58
1.933	1.58	4.933	6.32	7.933	4.74	10.93	1.58
1.950	1.58	4.950	6.32	7.950	4.74	10.95	1.58
1.967	1.58	4.967	6.32	7.967	4.74	10.97	1.58
1.983	1.58	4.983	6.32	7.983	4.74	10.98	1.58
2.000	1.58	5.000	6.32	8.000	4.74	11.00	1.58
2.017	2.37	5.017	7.90	8.017	3.95	11.02	1.58
2.033	2.37	5.033	7.90	8.033	3.95	11.03	1.58
2.050	2.37	5.050	7.90	8.050	3.95	11.05	1.58
2.067	2.37	5.067	7.90	8.067	3.95	11.07	1.58
2.083	2.37	5.083	7.90	8.083	3.95	11.08	1.58
2.100	2.37	5.100	7.90	8.100	3.95	11.10	1.58
2.117	2.37	5.117	7.90	8.117	3.95	11.12	1.58
2.133	2.37	5.133	7.90	8.133	3.95	11.13	1.58
2.150	2.37	5.150	7.90	8.150	3.95	11.15	1.58
2.167	2.37	5.167	7.90	8.167	3.95	11.17	1.58
2.183	2.37	5.183	7.90	8.183	3.95	11.18	1.58
2.200	2.37	5.200	7.90	8.200	3.95	11.20	1.58
2.217	2.37	5.217	7.90	8.217	3.95	11.22	1.58
2.233	2.37	5.233	7.90	8.233	3.95	11.23	1.58
2.250	2.37	5.250	7.90	8.250	3.95	11.25	1.58
2.267	3.16	5.267	9.48	8.267	3.16	11.27	1.58
2.283	3.16	5.283	9.48	8.283	3.16	11.28	1.58
2.300	3.16	5.300	9.48	8.300	3.16	11.30	1.58
2.317	3.16	5.317	9.48	8.317	3.16	11.32	1.58
2.333	3.16	5.333	9.48	8.333	3.16	11.33	1.58
2.350	3.16	5.350	9.48	8.350	3.16	11.35	1.58
2.367	3.16	5.367	9.48	8.367	3.16	11.37	1.58
2.383	3.16	5.383	9.48	8.383	3.16	11.38	1.58
2.400	3.16	5.400	9.48	8.400	3.16	11.40	1.58
2.417	3.16	5.417	9.48	8.417	3.16	11.42	1.58
2.433	3.16	5.433	9.48	8.433	3.16	11.43	1.58
2.450	3.16	5.450	9.48	8.450	3.16	11.45	1.58
2.467	3.16	5.467	9.48	8.467	3.16	11.47	1.58
2.483	3.16	5.483	9.48	8.483	3.16	11.48	1.58
2.500	3.16	5.500	9.51	8.500	3.16	11.50	1.58
2.517	3.16	5.517	40.30	8.517	3.16	11.52	1.58
2.533	3.16	5.533	40.30	8.533	3.16	11.53	1.58
2.550	3.16	5.550	40.30	8.550	3.16	11.55	1.58
2.567	3.16	5.567	40.30	8.567	3.16	11.57	1.58
2.583	3.16	5.583	40.30	8.583	3.16	11.58	1.58
2.600	3.16	5.600	40.30	8.600	3.16	11.60	1.58
2.617	3.16	5.617	40.30	8.617	3.16	11.62	1.58

2.633	3.16	5.633	40.30	8.633	3.16	11.63	1.58
2.650	3.16	5.650	40.30	8.650	3.16	11.65	1.58
2.667	3.16	5.667	40.30	8.667	3.16	11.67	1.58
2.683	3.16	5.683	40.30	8.683	3.16	11.68	1.58
2.700	3.16	5.700	40.30	8.700	3.16	11.70	1.58
2.717	3.16	5.717	40.30	8.717	3.16	11.72	1.58
2.733	3.16	5.733	40.30	8.733	3.16	11.73	1.58
2.750	3.16	5.750	40.34	8.750	3.16	11.75	1.58
2.767	3.16	5.767	71.12	8.767	3.16	11.77	1.58
2.783	3.16	5.783	71.12	8.783	3.16	11.78	1.58
2.800	3.16	5.800	71.12	8.800	3.16	11.80	1.58
2.817	3.16	5.817	71.12	8.817	3.16	11.82	1.58
2.833	3.16	5.833	71.12	8.833	3.16	11.83	1.58
2.850	3.16	5.850	71.12	8.850	3.16	11.85	1.58
2.867	3.16	5.867	71.12	8.867	3.16	11.87	1.58
2.883	3.16	5.883	71.12	8.883	3.16	11.88	1.58
2.900	3.16	5.900	71.12	8.900	3.16	11.90	1.58
2.917	3.16	5.917	71.12	8.917	3.16	11.92	1.58
2.933	3.16	5.933	71.12	8.933	3.16	11.93	1.58
2.950	3.16	5.950	71.12	8.950	3.16	11.95	1.58
2.967	3.16	5.967	71.12	8.967	3.16	11.97	1.58
2.983	3.16	5.983	71.12	8.983	3.16	11.98	1.58
3.000	3.16	6.000	71.08	9.000	3.16	12.00	1.58

Max.Eff.Inten.(mm/hr)= 71.12 33.25
over (min) 6.00 14.00
Storage Coeff. (min)= 5.64 (ii) 13.01 (ii)
Unit Hyd. Tpeak (min)= 6.00 14.00
Unit Hyd. peak (cms)= 0.20 0.08

PEAK FLOW (cms)= 1.75 0.50 *TOTALS*
TIME TO PEAK (hrs)= 6.02 6.22 2.133 (iii)
RUNOFF VOLUME (mm)= 76.82 24.22 6.03
TOTAL RAINFALL (mm)= 78.82 78.82 49.47
RUNOFF COEFFICIENT = 0.97 0.31 78.82
0.63

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)		OVERFLOW IS OFF			
IN= 2----> OUT= 1					
DT= 5.0 min					
		OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
		0.0000	0.0000	0.1330	0.5200
		0.0380	0.2900	0.1650	0.5800
		0.0680	0.3850	0.2000	0.6300
		0.0940	0.4500	0.4800	1.1000
		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)		19.500	2.133	6.03	49.47
OUTFLOW: ID= 1 (0001)		19.500	0.223	7.37	40.91

PEAK FLOW REDUCTION [Qout/Qin](%)= 10.44
TIME SHIFT OF PEAK FLOW (min)= 80.00
MAXIMUM STORAGE USED (ha.m.)= 0.6682

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB					
STANDHYD (0202)					
ID= 1 DT= 1.0 min					
		Area (ha)=	0.21		
		Total Imp(%)=	65.00	Dir. Conn.(%)=	65.00
		IMPERVIOUS	PERVIOUS (i)		
Surface Area (ha)=		0.14	0.07		
Dep. Storage (mm)=		2.00	5.00		
Average slope (%)=		1.00	2.00		
Length (m)=		15.25	40.00		
Mannings n =		0.013	0.250		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.79	3.017	3.16	6.017	42.67	9.02	3.16

0.033	0.79	3.033	3.16	6.033	42.67	9.03	3.16
0.050	0.79	3.050	3.16	6.050	42.67	9.05	3.16
0.067	0.79	3.067	3.16	6.067	42.67	9.07	3.16
0.083	0.79	3.083	3.16	6.083	42.67	9.08	3.16
0.100	0.79	3.100	3.16	6.100	42.67	9.10	3.16
0.117	0.79	3.117	3.16	6.117	42.67	9.12	3.16
0.133	0.79	3.133	3.16	6.133	42.67	9.13	3.16
0.150	0.79	3.150	3.16	6.150	42.67	9.15	3.16
0.167	0.79	3.167	3.16	6.167	42.67	9.17	3.16
0.183	0.79	3.183	3.16	6.183	42.67	9.18	3.16
0.200	0.79	3.200	3.16	6.200	42.67	9.20	3.16
0.217	0.79	3.217	3.16	6.217	42.67	9.22	3.16
0.233	0.79	3.233	3.16	6.233	42.67	9.23	3.16
0.250	0.79	3.250	3.16	6.250	42.63	9.25	3.16
0.267	1.58	3.267	3.16	6.267	14.22	9.27	3.16
0.283	1.58	3.283	3.16	6.283	14.22	9.28	3.16
0.300	1.58	3.300	3.16	6.300	14.22	9.30	3.16
0.317	1.58	3.317	3.16	6.317	14.22	9.32	3.16
0.333	1.58	3.333	3.16	6.333	14.22	9.33	3.16
0.350	1.58	3.350	3.16	6.350	14.22	9.35	3.16
0.367	1.58	3.367	3.16	6.367	14.22	9.37	3.16
0.383	1.58	3.383	3.16	6.383	14.22	9.38	3.16
0.400	1.58	3.400	3.16	6.400	14.22	9.40	3.16
0.417	1.58	3.417	3.16	6.417	14.22	9.42	3.16
0.433	1.58	3.433	3.16	6.433	14.22	9.43	3.16
0.450	1.58	3.450	3.16	6.450	14.22	9.45	3.16
0.467	1.58	3.467	3.16	6.467	14.22	9.47	3.16
0.483	1.58	3.483	3.16	6.483	14.22	9.48	3.16
0.500	1.58	3.500	3.16	6.500	14.22	9.50	3.16
0.517	1.58	3.517	3.16	6.517	10.27	9.52	2.37
0.533	1.58	3.533	3.16	6.533	10.27	9.53	2.37
0.550	1.58	3.550	3.16	6.550	10.27	9.55	2.37
0.567	1.58	3.567	3.16	6.567	10.27	9.57	2.37
0.583	1.58	3.583	3.16	6.583	10.27	9.58	2.37
0.600	1.58	3.600	3.16	6.600	10.27	9.60	2.37
0.617	1.58	3.617	3.16	6.617	10.27	9.62	2.37
0.633	1.58	3.633	3.16	6.633	10.27	9.63	2.37
0.650	1.58	3.650	3.16	6.650	10.27	9.65	2.37
0.667	1.58	3.667	3.16	6.667	10.27	9.67	2.37
0.683	1.58	3.683	3.16	6.683	10.27	9.68	2.37
0.700	1.58	3.700	3.16	6.700	10.27	9.70	2.37
0.717	1.58	3.717	3.16	6.717	10.27	9.72	2.37
0.733	1.58	3.733	3.16	6.733	10.27	9.73	2.37
0.750	1.58	3.750	3.16	6.750	10.26	9.75	2.37
0.767	1.58	3.767	3.16	6.767	6.32	9.77	1.58
0.783	1.58	3.783	3.16	6.783	6.32	9.78	1.58
0.800	1.58	3.800	3.16	6.800	6.32	9.80	1.58
0.817	1.58	3.817	3.16	6.817	6.32	9.82	1.58
0.833	1.58	3.833	3.16	6.833	6.32	9.83	1.58
0.850	1.58	3.850	3.16	6.850	6.32	9.85	1.58
0.867	1.58	3.867	3.16	6.867	6.32	9.87	1.58
0.883	1.58	3.883	3.16	6.883	6.32	9.88	1.58
0.900	1.58	3.900	3.16	6.900	6.32	9.90	1.58
0.917	1.58	3.917	3.16	6.917	6.32	9.92	1.58
0.933	1.58	3.933	3.16	6.933	6.32	9.93	1.58
0.950	1.58	3.950	3.16	6.950	6.32	9.95	1.58
0.967	1.58	3.967	3.16	6.967	6.32	9.97	1.58
0.983	1.58	3.983	3.16	6.983	6.32	9.98	1.58
1.000	1.58	4.000	3.16	7.000	6.32	10.00	1.58
1.017	1.58	4.017	3.95	7.017	5.53	10.02	1.58
1.033	1.58	4.033	3.95	7.033	5.53	10.03	1.58
1.050	1.58	4.050	3.95	7.050	5.53	10.05	1.58
1.067	1.58	4.067	3.95	7.067	5.53	10.07	1.58
1.083	1.58	4.083	3.95	7.083	5.53	10.08	1.58
1.100	1.58	4.100	3.95	7.100	5.53	10.10	1.58
1.117	1.58	4.117	3.95	7.117	5.53	10.12	1.58
1.133	1.58	4.133	3.95	7.133	5.53	10.13	1.58
1.150	1.58	4.150	3.95	7.150	5.53	10.15	1.58
1.167	1.58	4.167	3.95	7.167	5.53	10.17	1.58
1.183	1.58	4.183	3.95	7.183	5.53	10.18	1.58
1.200	1.58	4.200	3.95	7.200	5.53	10.20	1.58
1.217	1.58	4.217	3.95	7.217	5.53	10.22	1.58
1.233	1.58	4.233	3.95	7.233	5.53	10.23	1.58
1.250	1.58	4.250	3.95	7.250	5.53	10.25	1.58
1.267	1.58	4.267	4.74	7.267	4.74	10.27	1.58
1.283	1.58	4.283	4.74	7.283	4.74	10.28	1.58
1.300	1.58	4.300	4.74	7.300	4.74	10.30	1.58
1.317	1.58	4.317	4.74	7.317	4.74	10.32	1.58
1.333	1.58	4.333	4.74	7.333	4.74	10.33	1.58
1.350	1.58	4.350	4.74	7.350	4.74	10.35	1.58
1.367	1.58	4.367	4.74	7.367	4.74	10.37	1.58
1.383	1.58	4.383	4.74	7.383	4.74	10.38	1.58
1.400	1.58	4.400	4.74	7.400	4.74	10.40	1.58
1.417	1.58	4.417	4.74	7.417	4.74	10.42	1.58

1.433	1.58	4.433	4.74	7.433	4.74	10.43	1.58
1.450	1.58	4.450	4.74	7.450	4.74	10.45	1.58
1.467	1.58	4.467	4.74	7.467	4.74	10.47	1.58
1.483	1.58	4.483	4.74	7.483	4.74	10.48	1.58
1.500	1.58	4.500	4.74	7.500	4.74	10.50	1.58
1.517	1.58	4.517	5.53	7.517	4.74	10.52	1.58
1.533	1.58	4.533	5.53	7.533	4.74	10.53	1.58
1.550	1.58	4.550	5.53	7.550	4.74	10.55	1.58
1.567	1.58	4.567	5.53	7.567	4.74	10.57	1.58
1.583	1.58	4.583	5.53	7.583	4.74	10.58	1.58
1.600	1.58	4.600	5.53	7.600	4.74	10.60	1.58
1.617	1.58	4.617	5.53	7.617	4.74	10.62	1.58
1.633	1.58	4.633	5.53	7.633	4.74	10.63	1.58
1.650	1.58	4.650	5.53	7.650	4.74	10.65	1.58
1.667	1.58	4.667	5.53	7.667	4.74	10.67	1.58
1.683	1.58	4.683	5.53	7.683	4.74	10.68	1.58
1.700	1.58	4.700	5.53	7.700	4.74	10.70	1.58
1.717	1.58	4.717	5.53	7.717	4.74	10.72	1.58
1.733	1.58	4.733	5.53	7.733	4.74	10.73	1.58
1.750	1.58	4.750	5.53	7.750	4.74	10.75	1.58
1.767	1.58	4.767	6.32	7.767	4.74	10.77	1.58
1.783	1.58	4.783	6.32	7.783	4.74	10.78	1.58
1.800	1.58	4.800	6.32	7.800	4.74	10.80	1.58
1.817	1.58	4.817	6.32	7.817	4.74	10.82	1.58
1.833	1.58	4.833	6.32	7.833	4.74	10.83	1.58
1.850	1.58	4.850	6.32	7.850	4.74	10.85	1.58
1.867	1.58	4.867	6.32	7.867	4.74	10.87	1.58
1.883	1.58	4.883	6.32	7.883	4.74	10.88	1.58
1.900	1.58	4.900	6.32	7.900	4.74	10.90	1.58
1.917	1.58	4.917	6.32	7.917	4.74	10.92	1.58
1.933	1.58	4.933	6.32	7.933	4.74	10.93	1.58
1.950	1.58	4.950	6.32	7.950	4.74	10.95	1.58
1.967	1.58	4.967	6.32	7.967	4.74	10.97	1.58
1.983	1.58	4.983	6.32	7.983	4.74	10.98	1.58
2.000	1.58	5.000	6.32	8.000	4.74	11.00	1.58
2.017	2.37	5.017	7.90	8.017	3.95	11.02	1.58
2.033	2.37	5.033	7.90	8.033	3.95	11.03	1.58
2.050	2.37	5.050	7.90	8.050	3.95	11.05	1.58
2.067	2.37	5.067	7.90	8.067	3.95	11.07	1.58
2.083	2.37	5.083	7.90	8.083	3.95	11.08	1.58
2.100	2.37	5.100	7.90	8.100	3.95	11.10	1.58
2.117	2.37	5.117	7.90	8.117	3.95	11.12	1.58
2.133	2.37	5.133	7.90	8.133	3.95	11.13	1.58
2.150	2.37	5.150	7.90	8.150	3.95	11.15	1.58
2.167	2.37	5.167	7.90	8.167	3.95	11.17	1.58
2.183	2.37	5.183	7.90	8.183	3.95	11.18	1.58
2.200	2.37	5.200	7.90	8.200	3.95	11.20	1.58
2.217	2.37	5.217	7.90	8.217	3.95	11.22	1.58
2.233	2.37	5.233	7.90	8.233	3.95	11.23	1.58
2.250	2.37	5.250	7.90	8.250	3.95	11.25	1.58
2.267	3.16	5.267	9.48	8.267	3.16	11.27	1.58
2.283	3.16	5.283	9.48	8.283	3.16	11.28	1.58
2.300	3.16	5.300	9.48	8.300	3.16	11.30	1.58
2.317	3.16	5.317	9.48	8.317	3.16	11.32	1.58
2.333	3.16	5.333	9.48	8.333	3.16	11.33	1.58
2.350	3.16	5.350	9.48	8.350	3.16	11.35	1.58
2.367	3.16	5.367	9.48	8.367	3.16	11.37	1.58
2.383	3.16	5.383	9.48	8.383	3.16	11.38	1.58
2.400	3.16	5.400	9.48	8.400	3.16	11.40	1.58
2.417	3.16	5.417	9.48	8.417	3.16	11.42	1.58
2.433	3.16	5.433	9.48	8.433	3.16	11.43	1.58
2.450	3.16	5.450	9.48	8.450	3.16	11.45	1.58
2.467	3.16	5.467	9.48	8.467	3.16	11.47	1.58
2.483	3.16	5.483	9.48	8.483	3.16	11.48	1.58
2.500	3.16	5.500	9.51	8.500	3.16	11.50	1.58
2.517	3.16	5.517	40.30	8.517	3.16	11.52	1.58
2.533	3.16	5.533	40.30	8.533	3.16	11.53	1.58
2.550	3.16	5.550	40.30	8.550	3.16	11.55	1.58
2.567	3.16	5.567	40.30	8.567	3.16	11.57	1.58
2.583	3.16	5.583	40.30	8.583	3.16	11.58	1.58
2.600	3.16	5.600	40.30	8.600	3.16	11.60	1.58
2.617	3.16	5.617	40.30	8.617	3.16	11.62	1.58
2.633	3.16	5.633	40.30	8.633	3.16	11.63	1.58
2.650	3.16	5.650	40.30	8.650	3.16	11.65	1.58
2.667	3.16	5.667	40.30	8.667	3.16	11.67	1.58
2.683	3.16	5.683	40.30	8.683	3.16	11.68	1.58
2.700	3.16	5.700	40.30	8.700	3.16	11.70	1.58
2.717	3.16	5.717	40.30	8.717	3.16	11.72	1.58
2.733	3.16	5.733	40.30	8.733	3.16	11.73	1.58
2.750	3.16	5.750	40.34	8.750	3.16	11.75	1.58
2.767	3.16	5.767	71.12	8.767	3.16	11.77	1.58
2.783	3.16	5.783	71.12	8.783	3.16	11.78	1.58
2.800	3.16	5.800	71.12	8.800	3.16	11.80	1.58
2.817	3.16	5.817	71.12	8.817	3.16	11.82	1.58

2.833	3.16	5.833	71.12	8.833	3.16	11.83	1.58
2.850	3.16	5.850	71.12	8.850	3.16	11.85	1.58
2.867	3.16	5.867	71.12	8.867	3.16	11.87	1.58
2.883	3.16	5.883	71.12	8.883	3.16	11.88	1.58
2.900	3.16	5.900	71.12	8.900	3.16	11.90	1.58
2.917	3.16	5.917	71.12	8.917	3.16	11.92	1.58
2.933	3.16	5.933	71.12	8.933	3.16	11.93	1.58
2.950	3.16	5.950	71.12	8.950	3.16	11.95	1.58
2.967	3.16	5.967	71.12	8.967	3.16	11.97	1.58
2.983	3.16	5.983	71.12	8.983	3.16	11.98	1.58
3.000	3.16	6.000	71.08	9.000	3.16	12.00	1.58

Max.Eff.Inten.(mm/hr)= 71.12 18.60
over (min) 5.00 8.00
Storage Coeff. (min)= 0.95 (ii) 7.26 (ii)
Unit Hyd. Tpeak (min)= 5.00 8.00
Unit Hyd. peak (cms)= 0.48 0.15

PEAK FLOW (cms)= 0.03 0.00 0.030 (iii)
TIME TO PEAK (hrs)= 5.98 6.08 6.00
RUNOFF VOLUME (mm)= 76.82 18.78 56.49
TOTAL RAINFALL (mm)= 78.82 78.82 78.82
RUNOFF COEFFICIENT = 0.97 0.24 0.72

TOTALS

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)				
1 + 2 = 3				
ID1= 1 (0001):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
+ ID2= 2 (0202):	19.50	0.223	7.37	40.91
	0.21	0.030	6.00	56.49
ID = 3 (0015):	19.71	0.225	7.30	41.08

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:3.5 SCS II 12hr 50yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData\Local\Temp\ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\306310a1
Ptotal= 87.48 mm	Comments: SCS 12 HOUR TYPE II STORM DISTRIBUTION

Duration of storm = 12.00 hrs
Mass curve time step = 30.00 min
New Storm time step = 15.00 min

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.87	3.00	3.50	6.00	47.24	9.00	3.50
0.25	1.75	3.25	3.50	6.25	15.75	9.25	3.50
0.50	1.75	3.50	3.50	6.50	11.37	9.50	2.62
0.75	1.75	3.75	3.50	6.75	7.00	9.75	1.75
1.00	1.75	4.00	4.37	7.00	6.12	10.00	1.75
1.25	1.75	4.25	5.25	7.25	5.25	10.25	1.75
1.50	1.75	4.50	6.12	7.50	5.25	10.50	1.75
1.75	1.75	4.75	7.00	7.75	5.25	10.75	1.75
2.00	2.62	5.00	8.75	8.00	4.37	11.00	1.75
2.25	3.50	5.25	10.50	8.25	3.50	11.25	1.75
2.50	3.50	5.50	44.61	8.50	3.50	11.50	1.75
2.75	3.50	5.75	78.73	8.75	3.50	11.75	1.75

CALIB	Area (ha)= 19.50	
STANDHYD (0201)	Total Imp(%)= 62.00	Dir. Conn.(%)= 48.00
ID= 1 DT= 1.0 min		

IMPERVIOUS Pervious (i)
Surface Area (ha)= 12.09 7.41
Dep. Storage (mm)= 2.00 5.00
Average Slope (%)= 1.00 2.00

Length (m)= 298.34 40.00
Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.87	3.017	3.50	6.017	47.24	9.02	3.50
0.033	0.87	3.033	3.50	6.033	47.24	9.03	3.50
0.050	0.87	3.050	3.50	6.050	47.24	9.05	3.50
0.067	0.87	3.067	3.50	6.067	47.24	9.07	3.50
0.083	0.87	3.083	3.50	6.083	47.24	9.08	3.50
0.100	0.87	3.100	3.50	6.100	47.24	9.10	3.50
0.117	0.87	3.117	3.50	6.117	47.24	9.12	3.50
0.133	0.87	3.133	3.50	6.133	47.24	9.13	3.50
0.150	0.87	3.150	3.50	6.150	47.24	9.15	3.50
0.167	0.87	3.167	3.50	6.167	47.24	9.17	3.50
0.183	0.87	3.183	3.50	6.183	47.24	9.18	3.50
0.200	0.87	3.200	3.50	6.200	47.24	9.20	3.50
0.217	0.87	3.217	3.50	6.217	47.24	9.22	3.50
0.233	0.87	3.233	3.50	6.233	47.24	9.23	3.50
0.250	0.87	3.250	3.50	6.250	47.19	9.25	3.50
0.267	1.75	3.267	3.50	6.267	15.75	9.27	3.50
0.283	1.75	3.283	3.50	6.283	15.75	9.28	3.50
0.300	1.75	3.300	3.50	6.300	15.75	9.30	3.50
0.317	1.75	3.317	3.50	6.317	15.75	9.32	3.50
0.333	1.75	3.333	3.50	6.333	15.75	9.33	3.50
0.350	1.75	3.350	3.50	6.350	15.75	9.35	3.50
0.367	1.75	3.367	3.50	6.367	15.75	9.37	3.50
0.383	1.75	3.383	3.50	6.383	15.75	9.38	3.50
0.400	1.75	3.400	3.50	6.400	15.75	9.40	3.50
0.417	1.75	3.417	3.50	6.417	15.75	9.42	3.50
0.433	1.75	3.433	3.50	6.433	15.75	9.43	3.50
0.450	1.75	3.450	3.50	6.450	15.75	9.45	3.50
0.467	1.75	3.467	3.50	6.467	15.75	9.47	3.50
0.483	1.75	3.483	3.50	6.483	15.75	9.48	3.50
0.500	1.75	3.500	3.50	6.500	15.74	9.50	3.50
0.517	1.75	3.517	3.50	6.517	11.37	9.52	2.62
0.533	1.75	3.533	3.50	6.533	11.37	9.53	2.62
0.550	1.75	3.550	3.50	6.550	11.37	9.55	2.62
0.567	1.75	3.567	3.50	6.567	11.37	9.57	2.62
0.583	1.75	3.583	3.50	6.583	11.37	9.58	2.62
0.600	1.75	3.600	3.50	6.600	11.37	9.60	2.62
0.617	1.75	3.617	3.50	6.617	11.37	9.62	2.62
0.633	1.75	3.633	3.50	6.633	11.37	9.63	2.62
0.650	1.75	3.650	3.50	6.650	11.37	9.65	2.62
0.667	1.75	3.667	3.50	6.667	11.37	9.67	2.62
0.683	1.75	3.683	3.50	6.683	11.37	9.68	2.62
0.700	1.75	3.700	3.50	6.700	11.37	9.70	2.62
0.717	1.75	3.717	3.50	6.717	11.37	9.72	2.62
0.733	1.75	3.733	3.50	6.733	11.37	9.73	2.62
0.750	1.75	3.750	3.50	6.750	11.36	9.75	2.62
0.767	1.75	3.767	3.50	6.767	7.00	9.77	1.75
0.783	1.75	3.783	3.50	6.783	7.00	9.78	1.75
0.800	1.75	3.800	3.50	6.800	7.00	9.80	1.75
0.817	1.75	3.817	3.50	6.817	7.00	9.82	1.75
0.833	1.75	3.833	3.50	6.833	7.00	9.83	1.75
0.850	1.75	3.850	3.50	6.850	7.00	9.85	1.75
0.867	1.75	3.867	3.50	6.867	7.00	9.87	1.75
0.883	1.75	3.883	3.50	6.883	7.00	9.88	1.75
0.900	1.75	3.900	3.50	6.900	7.00	9.90	1.75
0.917	1.75	3.917	3.50	6.917	7.00	9.92	1.75
0.933	1.75	3.933	3.50	6.933	7.00	9.93	1.75
0.950	1.75	3.950	3.50	6.950	7.00	9.95	1.75
0.967	1.75	3.967	3.50	6.967	7.00	9.97	1.75
0.983	1.75	3.983	3.50	6.983	7.00	9.98	1.75
1.000	1.75	4.000	3.50	7.000	7.00	10.00	1.75
1.017	1.75	4.017	4.37	7.017	6.12	10.02	1.75
1.033	1.75	4.033	4.37	7.033	6.12	10.03	1.75
1.050	1.75	4.050	4.37	7.050	6.12	10.05	1.75
1.067	1.75	4.067	4.37	7.067	6.12	10.07	1.75
1.083	1.75	4.083	4.37	7.083	6.12	10.08	1.75
1.100	1.75	4.100	4.37	7.100	6.12	10.10	1.75
1.117	1.75	4.117	4.37	7.117	6.12	10.12	1.75
1.133	1.75	4.133	4.37	7.133	6.12	10.13	1.75
1.150	1.75	4.150	4.37	7.150	6.12	10.15	1.75
1.167	1.75	4.167	4.37	7.167	6.12	10.17	1.75
1.183	1.75	4.183	4.37	7.183	6.12	10.18	1.75
1.200	1.75	4.200	4.37	7.200	6.12	10.20	1.75
1.217	1.75	4.217	4.37	7.217	6.12	10.22	1.75
1.233	1.75	4.233	4.37	7.233	6.12	10.23	1.75
1.250	1.75	4.250	4.37	7.250	6.12	10.25	1.75

1.267	1.75	4.267	5.25	7.267	5.25	10.27	1.75
1.283	1.75	4.283	5.25	7.283	5.25	10.28	1.75
1.300	1.75	4.300	5.25	7.300	5.25	10.30	1.75
1.317	1.75	4.317	5.25	7.317	5.25	10.32	1.75
1.333	1.75	4.333	5.25	7.333	5.25	10.33	1.75
1.350	1.75	4.350	5.25	7.350	5.25	10.35	1.75
1.367	1.75	4.367	5.25	7.367	5.25	10.37	1.75
1.383	1.75	4.383	5.25	7.383	5.25	10.38	1.75
1.400	1.75	4.400	5.25	7.400	5.25	10.40	1.75
1.417	1.75	4.417	5.25	7.417	5.25	10.42	1.75
1.433	1.75	4.433	5.25	7.433	5.25	10.43	1.75
1.450	1.75	4.450	5.25	7.450	5.25	10.45	1.75
1.467	1.75	4.467	5.25	7.467	5.25	10.47	1.75
1.483	1.75	4.483	5.25	7.483	5.25	10.48	1.75
1.500	1.75	4.500	5.25	7.500	5.25	10.50	1.75
1.517	1.75	4.517	6.12	7.517	5.25	10.52	1.75
1.533	1.75	4.533	6.12	7.533	5.25	10.53	1.75
1.550	1.75	4.550	6.12	7.550	5.25	10.55	1.75
1.567	1.75	4.567	6.12	7.567	5.25	10.57	1.75
1.583	1.75	4.583	6.12	7.583	5.25	10.58	1.75
1.600	1.75	4.600	6.12	7.600	5.25	10.60	1.75
1.617	1.75	4.617	6.12	7.617	5.25	10.62	1.75
1.633	1.75	4.633	6.12	7.633	5.25	10.63	1.75
1.650	1.75	4.650	6.12	7.650	5.25	10.65	1.75
1.667	1.75	4.667	6.12	7.667	5.25	10.67	1.75
1.683	1.75	4.683	6.12	7.683	5.25	10.68	1.75
1.700	1.75	4.700	6.12	7.700	5.25	10.70	1.75
1.717	1.75	4.717	6.12	7.717	5.25	10.72	1.75
1.733	1.75	4.733	6.12	7.733	5.25	10.73	1.75
1.750	1.75	4.750	6.12	7.750	5.25	10.75	1.75
1.767	1.75	4.767	7.00	7.767	5.25	10.77	1.75
1.783	1.75	4.783	7.00	7.783	5.25	10.78	1.75
1.800	1.75	4.800	7.00	7.800	5.25	10.80	1.75
1.817	1.75	4.817	7.00	7.817	5.25	10.82	1.75
1.833	1.75	4.833	7.00	7.833	5.25	10.83	1.75
1.850	1.75	4.850	7.00	7.850	5.25	10.85	1.75
1.867	1.75	4.867	7.00	7.867	5.25	10.87	1.75
1.883	1.75	4.883	7.00	7.883	5.25	10.88	1.75
1.900	1.75	4.900	7.00	7.900	5.25	10.90	1.75
1.917	1.75	4.917	7.00	7.917	5.25	10.92	1.75
1.933	1.75	4.933	7.00	7.933	5.25	10.93	1.75
1.950	1.75	4.950	7.00	7.950	5.25	10.95	1.75
1.967	1.75	4.967	7.00	7.967	5.25	10.97	1.75
1.983	1.75	4.983	7.00	7.983	5.25	10.98	1.75
2.000	1.75	5.000	7.00	8.000	5.25	11.00	1.75
2.017	2.62	5.017	8.75	8.017	4.37	11.02	1.75
2.033	2.62	5.033	8.75	8.033	4.37	11.03	1.75
2.050	2.62	5.050	8.75	8.050	4.37	11.05	1.75
2.067	2.62	5.067	8.75	8.067	4.37	11.07	1.75
2.083	2.62	5.083	8.75	8.083	4.37	11.08	1.75
2.100	2.62	5.100	8.75	8.100	4.37	11.10	1.75
2.117	2.62	5.117	8.75	8.117	4.37	11.12	1.75
2.133	2.62	5.133	8.75	8.133	4.37	11.13	1.75
2.150	2.62	5.150	8.75	8.150	4.37	11.15	1.75
2.167	2.62	5.167	8.75	8.167	4.37	11.17	1.75
2.183	2.62	5.183	8.75	8.183	4.37	11.18	1.75
2.200	2.62	5.200	8.75	8.200	4.37	11.20	1.75
2.217	2.62	5.217	8.75	8.217	4.37	11.22	1.75
2.233	2.62	5.233	8.75	8.233	4.37	11.23	1.75
2.250	2.62	5.250	8.75	8.250	4.37	11.25	1.75
2.267	3.50	5.267	10.50	8.267	3.50	11.27	1.75
2.283	3.50	5.283	10.50	8.283	3.50	11.28	1.75
2.300	3.50	5.300	10.50	8.300	3.50	11.30	1.75
2.317	3.50	5.317	10.50	8.317	3.50	11.32	1.75
2.333	3.50	5.333	10.50	8.333	3.50	11.33	1.75
2.350	3.50	5.350	10.50	8.350	3.50	11.35	1.75
2.367	3.50	5.367	10.50	8.367	3.50	11.37	1.75
2.383	3.50	5.383	10.50	8.383	3.50	11.38	1.75
2.400	3.50	5.400	10.50	8.400	3.50	11.40	1.75
2.417	3.50	5.417	10.50	8.417	3.50	11.42	1.75
2.433	3.50	5.433	10.50	8.433	3.50	11.43	1.75
2.450	3.50	5.450	10.50	8.450	3.50	11.45	1.75
2.467	3.50	5.467	10.50	8.467	3.50	11.47	1.75
2.483	3.50	5.483	10.50	8.483	3.50	11.48	1.75
2.500	3.50	5.500	10.53	8.500	3.50	11.50	1.75
2.517	3.50	5.517	44.61	8.517	3.50	11.52	1.75
2.533	3.50	5.533	44.61	8.533	3.50	11.53	1.75
2.550	3.50	5.550	44.61	8.550	3.50	11.55	1.75
2.567	3.50	5.567	44.61	8.567	3.50	11.57	1.75
2.583	3.50	5.583	44.61	8.583	3.50	11.58	1.75
2.600	3.50	5.600	44.61	8.600	3.50	11.60	1.75
2.617	3.50	5.617	44.61	8.617	3.50	11.62	1.75
2.633	3.50	5.633	44.61	8.633	3.50	11.63	1.75
2.650	3.50	5.650	44.61	8.650	3.50	11.65	1.75

2.667	3.50	5.667	44.61	8.667	3.50	11.67	1.75
2.683	3.50	5.683	44.61	8.683	3.50	11.68	1.75
2.700	3.50	5.700	44.61	8.700	3.50	11.70	1.75
2.717	3.50	5.717	44.61	8.717	3.50	11.72	1.75
2.733	3.50	5.733	44.61	8.733	3.50	11.73	1.75
2.750	3.50	5.750	44.66	8.750	3.50	11.75	1.75
2.767	3.50	5.767	78.73	8.767	3.50	11.77	1.75
2.783	3.50	5.783	78.73	8.783	3.50	11.78	1.75
2.800	3.50	5.800	78.73	8.800	3.50	11.80	1.75
2.817	3.50	5.817	78.73	8.817	3.50	11.82	1.75
2.833	3.50	5.833	78.73	8.833	3.50	11.83	1.75
2.850	3.50	5.850	78.73	8.850	3.50	11.85	1.75
2.867	3.50	5.867	78.73	8.867	3.50	11.87	1.75
2.883	3.50	5.883	78.73	8.883	3.50	11.88	1.75
2.900	3.50	5.900	78.73	8.900	3.50	11.90	1.75
2.917	3.50	5.917	78.73	8.917	3.50	11.92	1.75
2.933	3.50	5.933	78.73	8.933	3.50	11.93	1.75
2.950	3.50	5.950	78.73	8.950	3.50	11.95	1.75
2.967	3.50	5.967	78.73	8.967	3.50	11.97	1.75
2.983	3.50	5.983	78.73	8.983	3.50	11.98	1.75
3.000	3.50	6.000	78.69	9.000	3.50	12.00	1.75

Max.Eff.Inten.(mm/hr)= 78.73 39.85
over (min) 5.00 13.00
Storage Coeff. (min)= 5.42 (ii) 12.49 (ii)
Unit Hyd. Tpeak (min)= 5.00 13.00
Unit Hyd. peak (cms)= 0.21 0.09

TOTALS

PEAK FLOW (cms)= 1.95 0.61 2.433 (iii)
TIME TO PEAK (hrs)= 6.00 6.20 6.02
RUNOFF VOLUME (mm)= 85.26 28.92 55.96
TOTAL RAINFALL (mm)= 87.26 87.26 87.26
RUNOFF COEFFICIENT = 0.98 0.33 0.64

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)		OVERFLOW IS OFF			
IN= 2---> OUT= 1					
DT= 5.0 min					
		OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
		0.0000	0.0000	0.1330	0.5200
		0.0380	0.2900	0.1650	0.5800
		0.0680	0.3850	0.2000	0.6300
		0.0940	0.4500	0.4800	1.1000
		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)		19.500	2.433	6.02	55.96
OUTFLOW: ID= 1 (0001)		19.500	0.269	7.28	47.10

PEAK FLOW REDUCTION [Qout/Qin](%)= 11.07
TIME SHIFT OF PEAK FLOW (min)= 76.00
MAXIMUM STORAGE USED (ha.m.)= 0.7463

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB					
STANDHYD (0202)					
ID= 1 DT= 1.0 min		Area (ha)= 0.21			
		Total Imp(%)= 65.00	Dir. Conn.(%)= 65.00		

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.14	0.07
Dep. Storage	(mm)=	2.00	5.00
Average slope	(%)=	1.00	2.00
Length	(m)=	15.25	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.87	3.017	3.50	6.017	47.24	9.02	3.50
0.033	0.87	3.033	3.50	6.033	47.24	9.03	3.50
0.050	0.87	3.050	3.50	6.050	47.24	9.05	3.50

0.067	0.87	3.067	3.50	6.067	47.24	9.07	3.50
0.083	0.87	3.083	3.50	6.083	47.24	9.08	3.50
0.100	0.87	3.100	3.50	6.100	47.24	9.10	3.50
0.117	0.87	3.117	3.50	6.117	47.24	9.12	3.50
0.133	0.87	3.133	3.50	6.133	47.24	9.13	3.50
0.150	0.87	3.150	3.50	6.150	47.24	9.15	3.50
0.167	0.87	3.167	3.50	6.167	47.24	9.17	3.50
0.183	0.87	3.183	3.50	6.183	47.24	9.18	3.50
0.200	0.87	3.200	3.50	6.200	47.24	9.20	3.50
0.217	0.87	3.217	3.50	6.217	47.24	9.22	3.50
0.233	0.87	3.233	3.50	6.233	47.24	9.23	3.50
0.250	0.87	3.250	3.50	6.250	47.19	9.25	3.50
0.267	1.75	3.267	3.50	6.267	15.75	9.27	3.50
0.283	1.75	3.283	3.50	6.283	15.75	9.28	3.50
0.300	1.75	3.300	3.50	6.300	15.75	9.30	3.50
0.317	1.75	3.317	3.50	6.317	15.75	9.32	3.50
0.333	1.75	3.333	3.50	6.333	15.75	9.33	3.50
0.350	1.75	3.350	3.50	6.350	15.75	9.35	3.50
0.367	1.75	3.367	3.50	6.367	15.75	9.37	3.50
0.383	1.75	3.383	3.50	6.383	15.75	9.38	3.50
0.400	1.75	3.400	3.50	6.400	15.75	9.40	3.50
0.417	1.75	3.417	3.50	6.417	15.75	9.42	3.50
0.433	1.75	3.433	3.50	6.433	15.75	9.43	3.50
0.450	1.75	3.450	3.50	6.450	15.75	9.45	3.50
0.467	1.75	3.467	3.50	6.467	15.75	9.47	3.50
0.483	1.75	3.483	3.50	6.483	15.75	9.48	3.50
0.500	1.75	3.500	3.50	6.500	15.74	9.50	3.50
0.517	1.75	3.517	3.50	6.517	11.37	9.52	2.62
0.533	1.75	3.533	3.50	6.533	11.37	9.53	2.62
0.550	1.75	3.550	3.50	6.550	11.37	9.55	2.62
0.567	1.75	3.567	3.50	6.567	11.37	9.57	2.62
0.583	1.75	3.583	3.50	6.583	11.37	9.58	2.62
0.600	1.75	3.600	3.50	6.600	11.37	9.60	2.62
0.617	1.75	3.617	3.50	6.617	11.37	9.62	2.62
0.633	1.75	3.633	3.50	6.633	11.37	9.63	2.62
0.650	1.75	3.650	3.50	6.650	11.37	9.65	2.62
0.667	1.75	3.667	3.50	6.667	11.37	9.67	2.62
0.683	1.75	3.683	3.50	6.683	11.37	9.68	2.62
0.700	1.75	3.700	3.50	6.700	11.37	9.70	2.62
0.717	1.75	3.717	3.50	6.717	11.37	9.72	2.62
0.733	1.75	3.733	3.50	6.733	11.37	9.73	2.62
0.750	1.75	3.750	3.50	6.750	11.36	9.75	2.62
0.767	1.75	3.767	3.50	6.767	7.00	9.77	1.75
0.783	1.75	3.783	3.50	6.783	7.00	9.78	1.75
0.800	1.75	3.800	3.50	6.800	7.00	9.80	1.75
0.817	1.75	3.817	3.50	6.817	7.00	9.82	1.75
0.833	1.75	3.833	3.50	6.833	7.00	9.83	1.75
0.850	1.75	3.850	3.50	6.850	7.00	9.85	1.75
0.867	1.75	3.867	3.50	6.867	7.00	9.87	1.75
0.883	1.75	3.883	3.50	6.883	7.00	9.88	1.75
0.900	1.75	3.900	3.50	6.900	7.00	9.90	1.75
0.917	1.75	3.917	3.50	6.917	7.00	9.92	1.75
0.933	1.75	3.933	3.50	6.933	7.00	9.93	1.75
0.950	1.75	3.950	3.50	6.950	7.00	9.95	1.75
0.967	1.75	3.967	3.50	6.967	7.00	9.97	1.75
0.983	1.75	3.983	3.50	6.983	7.00	9.98	1.75
1.000	1.75	4.000	3.50	7.000	7.00	10.00	1.75
1.017	1.75	4.017	4.37	7.017	6.12	10.02	1.75
1.033	1.75	4.033	4.37	7.033	6.12	10.03	1.75
1.050	1.75	4.050	4.37	7.050	6.12	10.05	1.75
1.067	1.75	4.067	4.37	7.067	6.12	10.07	1.75
1.083	1.75	4.083	4.37	7.083	6.12	10.08	1.75
1.100	1.75	4.100	4.37	7.100	6.12	10.10	1.75
1.117	1.75	4.117	4.37	7.117	6.12	10.12	1.75
1.133	1.75	4.133	4.37	7.133	6.12	10.13	1.75
1.150	1.75	4.150	4.37	7.150	6.12	10.15	1.75
1.167	1.75	4.167	4.37	7.167	6.12	10.17	1.75
1.183	1.75	4.183	4.37	7.183	6.12	10.18	1.75
1.200	1.75	4.200	4.37	7.200	6.12	10.20	1.75
1.217	1.75	4.217	4.37	7.217	6.12	10.22	1.75
1.233	1.75	4.233	4.37	7.233	6.12	10.23	1.75
1.250	1.75	4.250	4.37	7.250	6.12	10.25	1.75
1.267	1.75	4.267	5.25	7.267	5.25	10.27	1.75
1.283	1.75	4.283	5.25	7.283	5.25	10.28	1.75
1.300	1.75	4.300	5.25	7.300	5.25	10.30	1.75
1.317	1.75	4.317	5.25	7.317	5.25	10.32	1.75
1.333	1.75	4.333	5.25	7.333	5.25	10.33	1.75
1.350	1.75	4.350	5.25	7.350	5.25	10.35	1.75
1.367	1.75	4.367	5.25	7.367	5.25	10.37	1.75
1.383	1.75	4.383	5.25	7.383	5.25	10.38	1.75
1.400	1.75	4.400	5.25	7.400	5.25	10.40	1.75
1.417	1.75	4.417	5.25	7.417	5.25	10.42	1.75
1.433	1.75	4.433	5.25	7.433	5.25	10.43	1.75
1.450	1.75	4.450	5.25	7.450	5.25	10.45	1.75

1.467	1.75	4.467	5.25	7.467	5.25	10.47	1.75
1.483	1.75	4.483	5.25	7.483	5.25	10.48	1.75
1.500	1.75	4.500	5.25	7.500	5.25	10.50	1.75
1.517	1.75	4.517	6.12	7.517	5.25	10.52	1.75
1.533	1.75	4.533	6.12	7.533	5.25	10.53	1.75
1.550	1.75	4.550	6.12	7.550	5.25	10.55	1.75
1.567	1.75	4.567	6.12	7.567	5.25	10.57	1.75
1.583	1.75	4.583	6.12	7.583	5.25	10.58	1.75
1.600	1.75	4.600	6.12	7.600	5.25	10.60	1.75
1.617	1.75	4.617	6.12	7.617	5.25	10.62	1.75
1.633	1.75	4.633	6.12	7.633	5.25	10.63	1.75
1.650	1.75	4.650	6.12	7.650	5.25	10.65	1.75
1.667	1.75	4.667	6.12	7.667	5.25	10.67	1.75
1.683	1.75	4.683	6.12	7.683	5.25	10.68	1.75
1.700	1.75	4.700	6.12	7.700	5.25	10.70	1.75
1.717	1.75	4.717	6.12	7.717	5.25	10.72	1.75
1.733	1.75	4.733	6.12	7.733	5.25	10.73	1.75
1.750	1.75	4.750	6.12	7.750	5.25	10.75	1.75
1.767	1.75	4.767	7.00	7.767	5.25	10.77	1.75
1.783	1.75	4.783	7.00	7.783	5.25	10.78	1.75
1.800	1.75	4.800	7.00	7.800	5.25	10.80	1.75
1.817	1.75	4.817	7.00	7.817	5.25	10.82	1.75
1.833	1.75	4.833	7.00	7.833	5.25	10.83	1.75
1.850	1.75	4.850	7.00	7.850	5.25	10.85	1.75
1.867	1.75	4.867	7.00	7.867	5.25	10.87	1.75
1.883	1.75	4.883	7.00	7.883	5.25	10.88	1.75
1.900	1.75	4.900	7.00	7.900	5.25	10.90	1.75
1.917	1.75	4.917	7.00	7.917	5.25	10.92	1.75
1.933	1.75	4.933	7.00	7.933	5.25	10.93	1.75
1.950	1.75	4.950	7.00	7.950	5.25	10.95	1.75
1.967	1.75	4.967	7.00	7.967	5.25	10.97	1.75
1.983	1.75	4.983	7.00	7.983	5.25	10.98	1.75
2.000	1.75	5.000	7.00	8.000	5.25	11.00	1.75
2.017	2.62	5.017	8.75	8.017	4.37	11.02	1.75
2.033	2.62	5.033	8.75	8.033	4.37	11.03	1.75
2.050	2.62	5.050	8.75	8.050	4.37	11.05	1.75
2.067	2.62	5.067	8.75	8.067	4.37	11.07	1.75
2.083	2.62	5.083	8.75	8.083	4.37	11.08	1.75
2.100	2.62	5.100	8.75	8.100	4.37	11.10	1.75
2.117	2.62	5.117	8.75	8.117	4.37	11.12	1.75
2.133	2.62	5.133	8.75	8.133	4.37	11.13	1.75
2.150	2.62	5.150	8.75	8.150	4.37	11.15	1.75
2.167	2.62	5.167	8.75	8.167	4.37	11.17	1.75
2.183	2.62	5.183	8.75	8.183	4.37	11.18	1.75
2.200	2.62	5.200	8.75	8.200	4.37	11.20	1.75
2.217	2.62	5.217	8.75	8.217	4.37	11.22	1.75
2.233	2.62	5.233	8.75	8.233	4.37	11.23	1.75
2.250	2.62	5.250	8.75	8.250	4.37	11.25	1.75
2.267	3.50	5.267	10.50	8.267	3.50	11.27	1.75
2.283	3.50	5.283	10.50	8.283	3.50	11.28	1.75
2.300	3.50	5.300	10.50	8.300	3.50	11.30	1.75
2.317	3.50	5.317	10.50	8.317	3.50	11.32	1.75
2.333	3.50	5.333	10.50	8.333	3.50	11.33	1.75
2.350	3.50	5.350	10.50	8.350	3.50	11.35	1.75
2.367	3.50	5.367	10.50	8.367	3.50	11.37	1.75
2.383	3.50	5.383	10.50	8.383	3.50	11.38	1.75
2.400	3.50	5.400	10.50	8.400	3.50	11.40	1.75
2.417	3.50	5.417	10.50	8.417	3.50	11.42	1.75
2.433	3.50	5.433	10.50	8.433	3.50	11.43	1.75
2.450	3.50	5.450	10.50	8.450	3.50	11.45	1.75
2.467	3.50	5.467	10.50	8.467	3.50	11.47	1.75
2.483	3.50	5.483	10.50	8.483	3.50	11.48	1.75
2.500	3.50	5.500	10.53	8.500	3.50	11.50	1.75
2.517	3.50	5.517	44.61	8.517	3.50	11.52	1.75
2.533	3.50	5.533	44.61	8.533	3.50	11.53	1.75
2.550	3.50	5.550	44.61	8.550	3.50	11.55	1.75
2.567	3.50	5.567	44.61	8.567	3.50	11.57	1.75
2.583	3.50	5.583	44.61	8.583	3.50	11.58	1.75
2.600	3.50	5.600	44.61	8.600	3.50	11.60	1.75
2.617	3.50	5.617	44.61	8.617	3.50	11.62	1.75
2.633	3.50	5.633	44.61	8.633	3.50	11.63	1.75
2.650	3.50	5.650	44.61	8.650	3.50	11.65	1.75
2.667	3.50	5.667	44.61	8.667	3.50	11.67	1.75
2.683	3.50	5.683	44.61	8.683	3.50	11.68	1.75
2.700	3.50	5.700	44.61	8.700	3.50	11.70	1.75
2.717	3.50	5.717	44.61	8.717	3.50	11.72	1.75
2.733	3.50	5.733	44.61	8.733	3.50	11.73	1.75
2.750	3.50	5.750	44.66	8.750	3.50	11.75	1.75
2.767	3.50	5.767	78.73	8.767	3.50	11.77	1.75
2.783	3.50	5.783	78.73	8.783	3.50	11.78	1.75
2.800	3.50	5.800	78.73	8.800	3.50	11.80	1.75
2.817	3.50	5.817	78.73	8.817	3.50	11.82	1.75
2.833	3.50	5.833	78.73	8.833	3.50	11.83	1.75
2.850	3.50	5.850	78.73	8.850	3.50	11.85	1.75

2.867	3.50	5.867	78.73	8.867	3.50	11.87	1.75
2.883	3.50	5.883	78.73	8.883	3.50	11.88	1.75
2.900	3.50	5.900	78.73	8.900	3.50	11.90	1.75
2.917	3.50	5.917	78.73	8.917	3.50	11.92	1.75
2.933	3.50	5.933	78.73	8.933	3.50	11.93	1.75
2.950	3.50	5.950	78.73	8.950	3.50	11.95	1.75
2.967	3.50	5.967	78.73	8.967	3.50	11.97	1.75
2.983	3.50	5.983	78.73	8.983	3.50	11.98	1.75
3.000	3.50	6.000	78.69	9.000	3.50	12.00	1.75

Max.Eff.Inten.(mm/hr)= 78.73 22.54
over (min) 5.00 7.00
Storage Coeff. (min)= 0.91 (ii) 6.97 (ii)
Unit Hyd. Tpeak (min)= 5.00 7.00
Unit Hyd. peak (cms)= 0.49 0.16

TOTALS
PEAK FLOW (cms)= 0.03 0.00 0.034 (iii)
TIME TO PEAK (hrs)= 5.98 6.07 6.00
RUNOFF VOLUME (mm)= 85.26 22.66 63.33
TOTAL RAINFALL (mm)= 87.26 87.26 87.26
RUNOFF COEFFICIENT = 0.98 0.26 0.73

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)				
1 + 2 = 3				

	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0001):	19.50	0.269	7.28	47.10
+ ID2= 2 (0202):	0.21	0.034	6.00	63.33
=====				
ID = 3 (0015):	19.71	0.272	7.25	47.28

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:3.6 SCS II 12hr 100yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData
	ata\Local\Temp\
	ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\b640ac05
Ptotal= 95.71 mm	Comments: SCS 12 HOUR TYPE II STORM DISTRIBUTION

Duration of storm = 12.00 hrs	
Mass curve time step = 30.00 min	
New Storm time step = 15.00 min	

TIME	RAIN	TIME	RAIN	'	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	'	hrs	mm/hr	hrs	mm/hr
0.00	0.96	3.00	3.83	'	6.00	51.68	9.00	3.83
0.25	1.91	3.25	3.83	'	6.25	17.23	9.25	3.83
0.50	1.91	3.50	3.83	'	6.50	12.44	9.50	2.87
0.75	1.91	3.75	3.83	'	6.75	7.66	9.75	1.91
1.00	1.91	4.00	4.79	'	7.00	6.70	10.00	1.91
1.25	1.91	4.25	5.74	'	7.25	5.74	10.25	1.91
1.50	1.91	4.50	6.70	'	7.50	5.74	10.50	1.91
1.75	1.91	4.75	7.66	'	7.75	5.74	10.75	1.91
2.00	2.87	5.00	9.57	'	8.00	4.79	11.00	1.91
2.25	3.83	5.25	11.49	'	8.25	3.83	11.25	1.91
2.50	3.83	5.50	48.81	'	8.50	3.83	11.50	1.91
2.75	3.83	5.75	86.14	'	8.75	3.83	11.75	1.91

CALIB	Area (ha)= 19.50
STANDHYD (0201)	Total Imp(%)= 62.00 Dir. Conn.(%)= 48.00
ID= 1 DT= 1.0 min	

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	12.09	7.41
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	298.34	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.96	3.017	3.83	6.017	51.68	9.02	3.83
0.033	0.96	3.033	3.83	6.033	51.68	9.03	3.83
0.050	0.96	3.050	3.83	6.050	51.68	9.05	3.83
0.067	0.96	3.067	3.83	6.067	51.68	9.07	3.83
0.083	0.96	3.083	3.83	6.083	51.68	9.08	3.83
0.100	0.96	3.100	3.83	6.100	51.68	9.10	3.83
0.117	0.96	3.117	3.83	6.117	51.68	9.12	3.83
0.133	0.96	3.133	3.83	6.133	51.68	9.13	3.83
0.150	0.96	3.150	3.83	6.150	51.68	9.15	3.83
0.167	0.96	3.167	3.83	6.167	51.68	9.17	3.83
0.183	0.96	3.183	3.83	6.183	51.68	9.18	3.83
0.200	0.96	3.200	3.83	6.200	51.68	9.20	3.83
0.217	0.96	3.217	3.83	6.217	51.68	9.22	3.83
0.233	0.96	3.233	3.83	6.233	51.68	9.23	3.83
0.250	0.96	3.250	3.83	6.250	51.63	9.25	3.83
0.267	1.91	3.267	3.83	6.267	17.23	9.27	3.83
0.283	1.91	3.283	3.83	6.283	17.23	9.28	3.83
0.300	1.91	3.300	3.83	6.300	17.23	9.30	3.83
0.317	1.91	3.317	3.83	6.317	17.23	9.32	3.83
0.333	1.91	3.333	3.83	6.333	17.23	9.33	3.83
0.350	1.91	3.350	3.83	6.350	17.23	9.35	3.83
0.367	1.91	3.367	3.83	6.367	17.23	9.37	3.83
0.383	1.91	3.383	3.83	6.383	17.23	9.38	3.83
0.400	1.91	3.400	3.83	6.400	17.23	9.40	3.83
0.417	1.91	3.417	3.83	6.417	17.23	9.42	3.83
0.433	1.91	3.433	3.83	6.433	17.23	9.43	3.83
0.450	1.91	3.450	3.83	6.450	17.23	9.45	3.83
0.467	1.91	3.467	3.83	6.467	17.23	9.47	3.83
0.483	1.91	3.483	3.83	6.483	17.23	9.48	3.83
0.500	1.91	3.500	3.83	6.500	17.22	9.50	3.83
0.517	1.91	3.517	3.83	6.517	12.44	9.52	2.87
0.533	1.91	3.533	3.83	6.533	12.44	9.53	2.87
0.550	1.91	3.550	3.83	6.550	12.44	9.55	2.87
0.567	1.91	3.567	3.83	6.567	12.44	9.57	2.87
0.583	1.91	3.583	3.83	6.583	12.44	9.58	2.87
0.600	1.91	3.600	3.83	6.600	12.44	9.60	2.87
0.617	1.91	3.617	3.83	6.617	12.44	9.62	2.87
0.633	1.91	3.633	3.83	6.633	12.44	9.63	2.87
0.650	1.91	3.650	3.83	6.650	12.44	9.65	2.87
0.667	1.91	3.667	3.83	6.667	12.44	9.67	2.87
0.683	1.91	3.683	3.83	6.683	12.44	9.68	2.87
0.700	1.91	3.700	3.83	6.700	12.44	9.70	2.87
0.717	1.91	3.717	3.83	6.717	12.44	9.72	2.87
0.733	1.91	3.733	3.83	6.733	12.44	9.73	2.87
0.750	1.91	3.750	3.83	6.750	12.43	9.75	2.87
0.767	1.91	3.767	3.83	6.767	7.66	9.77	1.91
0.783	1.91	3.783	3.83	6.783	7.66	9.78	1.91
0.800	1.91	3.800	3.83	6.800	7.66	9.80	1.91
0.817	1.91	3.817	3.83	6.817	7.66	9.82	1.91
0.833	1.91	3.833	3.83	6.833	7.66	9.83	1.91
0.850	1.91	3.850	3.83	6.850	7.66	9.85	1.91
0.867	1.91	3.867	3.83	6.867	7.66	9.87	1.91
0.883	1.91	3.883	3.83	6.883	7.66	9.88	1.91
0.900	1.91	3.900	3.83	6.900	7.66	9.90	1.91
0.917	1.91	3.917	3.83	6.917	7.66	9.92	1.91
0.933	1.91	3.933	3.83	6.933	7.66	9.93	1.91
0.950	1.91	3.950	3.83	6.950	7.66	9.95	1.91
0.967	1.91	3.967	3.83	6.967	7.66	9.97	1.91
0.983	1.91	3.983	3.83	6.983	7.66	9.98	1.91
1.000	1.91	4.000	3.83	7.000	7.65	10.00	1.91
1.017	1.91	4.017	4.79	7.017	6.70	10.02	1.91
1.033	1.91	4.033	4.79	7.033	6.70	10.03	1.91
1.050	1.91	4.050	4.79	7.050	6.70	10.05	1.91
1.067	1.91	4.067	4.79	7.067	6.70	10.07	1.91
1.083	1.91	4.083	4.79	7.083	6.70	10.08	1.91
1.100	1.91	4.100	4.79	7.100	6.70	10.10	1.91
1.117	1.91	4.117	4.79	7.117	6.70	10.12	1.91
1.133	1.91	4.133	4.79	7.133	6.70	10.13	1.91
1.150	1.91	4.150	4.79	7.150	6.70	10.15	1.91
1.167	1.91	4.167	4.79	7.167	6.70	10.17	1.91
1.183	1.91	4.183	4.79	7.183	6.70	10.18	1.91
1.200	1.91	4.200	4.79	7.200	6.70	10.20	1.91
1.217	1.91	4.217	4.79	7.217	6.70	10.22	1.91
1.233	1.91	4.233	4.79	7.233	6.70	10.23	1.91
1.250	1.91	4.250	4.79	7.250	6.70	10.25	1.91
1.267	1.91	4.267	5.74	7.267	5.74	10.27	1.91
1.283	1.91	4.283	5.74	7.283	5.74	10.28	1.91

1.300	1.91	4.300	5.74	7.300	5.74	10.30	1.91
1.317	1.91	4.317	5.74	7.317	5.74	10.32	1.91
1.333	1.91	4.333	5.74	7.333	5.74	10.33	1.91
1.350	1.91	4.350	5.74	7.350	5.74	10.35	1.91
1.367	1.91	4.367	5.74	7.367	5.74	10.37	1.91
1.383	1.91	4.383	5.74	7.383	5.74	10.38	1.91
1.400	1.91	4.400	5.74	7.400	5.74	10.40	1.91
1.417	1.91	4.417	5.74	7.417	5.74	10.42	1.91
1.433	1.91	4.433	5.74	7.433	5.74	10.43	1.91
1.450	1.91	4.450	5.74	7.450	5.74	10.45	1.91
1.467	1.91	4.467	5.74	7.467	5.74	10.47	1.91
1.483	1.91	4.483	5.74	7.483	5.74	10.48	1.91
1.500	1.91	4.500	5.74	7.500	5.74	10.50	1.91
1.517	1.91	4.517	6.70	7.517	5.74	10.52	1.91
1.533	1.91	4.533	6.70	7.533	5.74	10.53	1.91
1.550	1.91	4.550	6.70	7.550	5.74	10.55	1.91
1.567	1.91	4.567	6.70	7.567	5.74	10.57	1.91
1.583	1.91	4.583	6.70	7.583	5.74	10.58	1.91
1.600	1.91	4.600	6.70	7.600	5.74	10.60	1.91
1.617	1.91	4.617	6.70	7.617	5.74	10.62	1.91
1.633	1.91	4.633	6.70	7.633	5.74	10.63	1.91
1.650	1.91	4.650	6.70	7.650	5.74	10.65	1.91
1.667	1.91	4.667	6.70	7.667	5.74	10.67	1.91
1.683	1.91	4.683	6.70	7.683	5.74	10.68	1.91
1.700	1.91	4.700	6.70	7.700	5.74	10.70	1.91
1.717	1.91	4.717	6.70	7.717	5.74	10.72	1.91
1.733	1.91	4.733	6.70	7.733	5.74	10.73	1.91
1.750	1.91	4.750	6.70	7.750	5.74	10.75	1.91
1.767	1.91	4.767	7.66	7.767	5.74	10.77	1.91
1.783	1.91	4.783	7.66	7.783	5.74	10.78	1.91
1.800	1.91	4.800	7.66	7.800	5.74	10.80	1.91
1.817	1.91	4.817	7.66	7.817	5.74	10.82	1.91
1.833	1.91	4.833	7.66	7.833	5.74	10.83	1.91
1.850	1.91	4.850	7.66	7.850	5.74	10.85	1.91
1.867	1.91	4.867	7.66	7.867	5.74	10.87	1.91
1.883	1.91	4.883	7.66	7.883	5.74	10.88	1.91
1.900	1.91	4.900	7.66	7.900	5.74	10.90	1.91
1.917	1.91	4.917	7.66	7.917	5.74	10.92	1.91
1.933	1.91	4.933	7.66	7.933	5.74	10.93	1.91
1.950	1.91	4.950	7.66	7.950	5.74	10.95	1.91
1.967	1.91	4.967	7.66	7.967	5.74	10.97	1.91
1.983	1.91	4.983	7.66	7.983	5.74	10.98	1.91
2.000	1.91	5.000	7.66	8.000	5.74	11.00	1.91
2.017	2.87	5.017	9.57	8.017	4.79	11.02	1.91
2.033	2.87	5.033	9.57	8.033	4.79	11.03	1.91
2.050	2.87	5.050	9.57	8.050	4.79	11.05	1.91
2.067	2.87	5.067	9.57	8.067	4.79	11.07	1.91
2.083	2.87	5.083	9.57	8.083	4.79	11.08	1.91
2.100	2.87	5.100	9.57	8.100	4.79	11.10	1.91
2.117	2.87	5.117	9.57	8.117	4.79	11.12	1.91
2.133	2.87	5.133	9.57	8.133	4.79	11.13	1.91
2.150	2.87	5.150	9.57	8.150	4.79	11.15	1.91
2.167	2.87	5.167	9.57	8.167	4.79	11.17	1.91
2.183	2.87	5.183	9.57	8.183	4.79	11.18	1.91
2.200	2.87	5.200	9.57	8.200	4.79	11.20	1.91
2.217	2.87	5.217	9.57	8.217	4.79	11.22	1.91
2.233	2.87	5.233	9.57	8.233	4.79	11.23	1.91
2.250	2.87	5.250	9.57	8.250	4.78	11.25	1.91
2.267	3.83	5.267	11.49	8.267	3.83	11.27	1.91
2.283	3.83	5.283	11.49	8.283	3.83	11.28	1.91
2.300	3.83	5.300	11.49	8.300	3.83	11.30	1.91
2.317	3.83	5.317	11.49	8.317	3.83	11.32	1.91
2.333	3.83	5.333	11.49	8.333	3.83	11.33	1.91
2.350	3.83	5.350	11.49	8.350	3.83	11.35	1.91
2.367	3.83	5.367	11.49	8.367	3.83	11.37	1.91
2.383	3.83	5.383	11.49	8.383	3.83	11.38	1.91
2.400	3.83	5.400	11.49	8.400	3.83	11.40	1.91
2.417	3.83	5.417	11.49	8.417	3.83	11.42	1.91
2.433	3.83	5.433	11.49	8.433	3.83	11.43	1.91
2.450	3.83	5.450	11.49	8.450	3.83	11.45	1.91
2.467	3.83	5.467	11.49	8.467	3.83	11.47	1.91
2.483	3.83	5.483	11.49	8.483	3.83	11.48	1.91
2.500	3.83	5.500	11.52	8.500	3.83	11.50	1.91
2.517	3.83	5.517	48.81	8.517	3.83	11.52	1.91
2.533	3.83	5.533	48.81	8.533	3.83	11.53	1.91
2.550	3.83	5.550	48.81	8.550	3.83	11.55	1.91
2.567	3.83	5.567	48.81	8.567	3.83	11.57	1.91
2.583	3.83	5.583	48.81	8.583	3.83	11.58	1.91
2.600	3.83	5.600	48.81	8.600	3.83	11.60	1.91
2.617	3.83	5.617	48.81	8.617	3.83	11.62	1.91
2.633	3.83	5.633	48.81	8.633	3.83	11.63	1.91
2.650	3.83	5.650	48.81	8.650	3.83	11.65	1.91
2.667	3.83	5.667	48.81	8.667	3.83	11.67	1.91
2.683	3.83	5.683	48.81	8.683	3.83	11.68	1.91

2.700	3.83	5.700	48.81	8.700	3.83	11.70	1.91
2.717	3.83	5.717	48.81	8.717	3.83	11.72	1.91
2.733	3.83	5.733	48.81	8.733	3.83	11.73	1.91
2.750	3.83	5.750	48.86	8.750	3.83	11.75	1.91
2.767	3.83	5.767	86.14	8.767	3.83	11.77	1.91
2.783	3.83	5.783	86.14	8.783	3.83	11.78	1.91
2.800	3.83	5.800	86.14	8.800	3.83	11.80	1.91
2.817	3.83	5.817	86.14	8.817	3.83	11.82	1.91
2.833	3.83	5.833	86.14	8.833	3.83	11.83	1.91
2.850	3.83	5.850	86.14	8.850	3.83	11.85	1.91
2.867	3.83	5.867	86.14	8.867	3.83	11.87	1.91
2.883	3.83	5.883	86.14	8.883	3.83	11.88	1.91
2.900	3.83	5.900	86.14	8.900	3.83	11.90	1.91
2.917	3.83	5.917	86.14	8.917	3.83	11.92	1.91
2.933	3.83	5.933	86.14	8.933	3.83	11.93	1.91
2.950	3.83	5.950	86.14	8.950	3.83	11.95	1.91
2.967	3.83	5.967	86.14	8.967	3.83	11.97	1.91
2.983	3.83	5.983	86.14	8.983	3.83	11.98	1.91
3.000	3.83	6.000	86.09	9.000	3.83	12.00	1.91

Max.Eff.Inten.(mm/hr)= 86.14 46.63
over (min) 5.00 13.00
Storage Coeff. (min)= 5.23 (ii) 12.05 (ii)
Unit Hyd. Tpeak (min)= 5.00 13.00
Unit Hyd. peak (cms)= 0.22 0.09

TOTALS
2.719 (iii)
6.02

PEAK FLOW (cms)= 2.15 0.72
TIME TO PEAK (hrs)= 6.00 6.18
RUNOFF VOLUME (mm)= 93.47 33.73 62.40
TOTAL RAINFALL (mm)= 95.47 95.47 95.47
RUNOFF COEFFICIENT = 0.98 0.35 0.65

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)		OVERFLOW IS OFF			
IN= 2----> OUT= 1					
DT= 5.0 min					
		OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
		0.0000	0.0000	0.1330	0.5200
		0.0380	0.2900	0.1650	0.5800
		0.0680	0.3850	0.2000	0.6300
		0.0940	0.4500	0.4800	1.1000
		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)		19.500	2.719	6.02	62.40
OUTFLOW: ID= 1 (0001)		19.500	0.316	7.20	53.28

PEAK FLOW REDUCTION [Qout/Qin](%)= 11.61
TIME SHIFT OF PEAK FLOW (min)= 71.00
MAXIMUM STORAGE USED (ha.m.)= 0.8242

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB					
STANDHYD (0202)		Area (ha)= 0.21			
ID= 1 DT= 1.0 min		Total Imp(%)= 65.00	Dir. Conn.(%)= 65.00		

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.14	0.07
Dep. Storage	(mm)=	2.00	5.00
Average slope	(%)=	1.00	2.00
Length	(m)=	15.25	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.96	3.017	3.83	6.017	51.68	9.02	3.83
0.033	0.96	3.033	3.83	6.033	51.68	9.03	3.83
0.050	0.96	3.050	3.83	6.050	51.68	9.05	3.83
0.067	0.96	3.067	3.83	6.067	51.68	9.07	3.83
0.083	0.96	3.083	3.83	6.083	51.68	9.08	3.83

0.100	0.96	3.100	3.83	6.100	51.68	9.10	3.83
0.117	0.96	3.117	3.83	6.117	51.68	9.12	3.83
0.133	0.96	3.133	3.83	6.133	51.68	9.13	3.83
0.150	0.96	3.150	3.83	6.150	51.68	9.15	3.83
0.167	0.96	3.167	3.83	6.167	51.68	9.17	3.83
0.183	0.96	3.183	3.83	6.183	51.68	9.18	3.83
0.200	0.96	3.200	3.83	6.200	51.68	9.20	3.83
0.217	0.96	3.217	3.83	6.217	51.68	9.22	3.83
0.233	0.96	3.233	3.83	6.233	51.68	9.23	3.83
0.250	0.96	3.250	3.83	6.250	51.63	9.25	3.83
0.267	1.91	3.267	3.83	6.267	17.23	9.27	3.83
0.283	1.91	3.283	3.83	6.283	17.23	9.28	3.83
0.300	1.91	3.300	3.83	6.300	17.23	9.30	3.83
0.317	1.91	3.317	3.83	6.317	17.23	9.32	3.83
0.333	1.91	3.333	3.83	6.333	17.23	9.33	3.83
0.350	1.91	3.350	3.83	6.350	17.23	9.35	3.83
0.367	1.91	3.367	3.83	6.367	17.23	9.37	3.83
0.383	1.91	3.383	3.83	6.383	17.23	9.38	3.83
0.400	1.91	3.400	3.83	6.400	17.23	9.40	3.83
0.417	1.91	3.417	3.83	6.417	17.23	9.42	3.83
0.433	1.91	3.433	3.83	6.433	17.23	9.43	3.83
0.450	1.91	3.450	3.83	6.450	17.23	9.45	3.83
0.467	1.91	3.467	3.83	6.467	17.23	9.47	3.83
0.483	1.91	3.483	3.83	6.483	17.23	9.48	3.83
0.500	1.91	3.500	3.83	6.500	17.22	9.50	3.83
0.517	1.91	3.517	3.83	6.517	12.44	9.52	2.87
0.533	1.91	3.533	3.83	6.533	12.44	9.53	2.87
0.550	1.91	3.550	3.83	6.550	12.44	9.55	2.87
0.567	1.91	3.567	3.83	6.567	12.44	9.57	2.87
0.583	1.91	3.583	3.83	6.583	12.44	9.58	2.87
0.600	1.91	3.600	3.83	6.600	12.44	9.60	2.87
0.617	1.91	3.617	3.83	6.617	12.44	9.62	2.87
0.633	1.91	3.633	3.83	6.633	12.44	9.63	2.87
0.650	1.91	3.650	3.83	6.650	12.44	9.65	2.87
0.667	1.91	3.667	3.83	6.667	12.44	9.67	2.87
0.683	1.91	3.683	3.83	6.683	12.44	9.68	2.87
0.700	1.91	3.700	3.83	6.700	12.44	9.70	2.87
0.717	1.91	3.717	3.83	6.717	12.44	9.72	2.87
0.733	1.91	3.733	3.83	6.733	12.44	9.73	2.87
0.750	1.91	3.750	3.83	6.750	12.43	9.75	2.87
0.767	1.91	3.767	3.83	6.767	7.66	9.77	1.91
0.783	1.91	3.783	3.83	6.783	7.66	9.78	1.91
0.800	1.91	3.800	3.83	6.800	7.66	9.80	1.91
0.817	1.91	3.817	3.83	6.817	7.66	9.82	1.91
0.833	1.91	3.833	3.83	6.833	7.66	9.83	1.91
0.850	1.91	3.850	3.83	6.850	7.66	9.85	1.91
0.867	1.91	3.867	3.83	6.867	7.66	9.87	1.91
0.883	1.91	3.883	3.83	6.883	7.66	9.88	1.91
0.900	1.91	3.900	3.83	6.900	7.66	9.90	1.91
0.917	1.91	3.917	3.83	6.917	7.66	9.92	1.91
0.933	1.91	3.933	3.83	6.933	7.66	9.93	1.91
0.950	1.91	3.950	3.83	6.950	7.66	9.95	1.91
0.967	1.91	3.967	3.83	6.967	7.66	9.97	1.91
0.983	1.91	3.983	3.83	6.983	7.66	9.98	1.91
1.000	1.91	4.000	3.83	7.000	7.65	10.00	1.91
1.017	1.91	4.017	4.79	7.017	6.70	10.02	1.91
1.033	1.91	4.033	4.79	7.033	6.70	10.03	1.91
1.050	1.91	4.050	4.79	7.050	6.70	10.05	1.91
1.067	1.91	4.067	4.79	7.067	6.70	10.07	1.91
1.083	1.91	4.083	4.79	7.083	6.70	10.08	1.91
1.100	1.91	4.100	4.79	7.100	6.70	10.10	1.91
1.117	1.91	4.117	4.79	7.117	6.70	10.12	1.91
1.133	1.91	4.133	4.79	7.133	6.70	10.13	1.91
1.150	1.91	4.150	4.79	7.150	6.70	10.15	1.91
1.167	1.91	4.167	4.79	7.167	6.70	10.17	1.91
1.183	1.91	4.183	4.79	7.183	6.70	10.18	1.91
1.200	1.91	4.200	4.79	7.200	6.70	10.20	1.91
1.217	1.91	4.217	4.79	7.217	6.70	10.22	1.91
1.233	1.91	4.233	4.79	7.233	6.70	10.23	1.91
1.250	1.91	4.250	4.79	7.250	6.70	10.25	1.91
1.267	1.91	4.267	5.74	7.267	5.74	10.27	1.91
1.283	1.91	4.283	5.74	7.283	5.74	10.28	1.91
1.300	1.91	4.300	5.74	7.300	5.74	10.30	1.91
1.317	1.91	4.317	5.74	7.317	5.74	10.32	1.91
1.333	1.91	4.333	5.74	7.333	5.74	10.33	1.91
1.350	1.91	4.350	5.74	7.350	5.74	10.35	1.91
1.367	1.91	4.367	5.74	7.367	5.74	10.37	1.91
1.383	1.91	4.383	5.74	7.383	5.74	10.38	1.91
1.400	1.91	4.400	5.74	7.400	5.74	10.40	1.91
1.417	1.91	4.417	5.74	7.417	5.74	10.42	1.91
1.433	1.91	4.433	5.74	7.433	5.74	10.43	1.91
1.450	1.91	4.450	5.74	7.450	5.74	10.45	1.91
1.467	1.91	4.467	5.74	7.467	5.74	10.47	1.91
1.483	1.91	4.483	5.74	7.483	5.74	10.48	1.91

1.500	1.91	4.500	5.74	7.500	5.74	10.50	1.91
1.517	1.91	4.517	6.70	7.517	5.74	10.52	1.91
1.533	1.91	4.533	6.70	7.533	5.74	10.53	1.91
1.550	1.91	4.550	6.70	7.550	5.74	10.55	1.91
1.567	1.91	4.567	6.70	7.567	5.74	10.57	1.91
1.583	1.91	4.583	6.70	7.583	5.74	10.58	1.91
1.600	1.91	4.600	6.70	7.600	5.74	10.60	1.91
1.617	1.91	4.617	6.70	7.617	5.74	10.62	1.91
1.633	1.91	4.633	6.70	7.633	5.74	10.63	1.91
1.650	1.91	4.650	6.70	7.650	5.74	10.65	1.91
1.667	1.91	4.667	6.70	7.667	5.74	10.67	1.91
1.683	1.91	4.683	6.70	7.683	5.74	10.68	1.91
1.700	1.91	4.700	6.70	7.700	5.74	10.70	1.91
1.717	1.91	4.717	6.70	7.717	5.74	10.72	1.91
1.733	1.91	4.733	6.70	7.733	5.74	10.73	1.91
1.750	1.91	4.750	6.70	7.750	5.74	10.75	1.91
1.767	1.91	4.767	7.66	7.767	5.74	10.77	1.91
1.783	1.91	4.783	7.66	7.783	5.74	10.78	1.91
1.800	1.91	4.800	7.66	7.800	5.74	10.80	1.91
1.817	1.91	4.817	7.66	7.817	5.74	10.82	1.91
1.833	1.91	4.833	7.66	7.833	5.74	10.83	1.91
1.850	1.91	4.850	7.66	7.850	5.74	10.85	1.91
1.867	1.91	4.867	7.66	7.867	5.74	10.87	1.91
1.883	1.91	4.883	7.66	7.883	5.74	10.88	1.91
1.900	1.91	4.900	7.66	7.900	5.74	10.90	1.91
1.917	1.91	4.917	7.66	7.917	5.74	10.92	1.91
1.933	1.91	4.933	7.66	7.933	5.74	10.93	1.91
1.950	1.91	4.950	7.66	7.950	5.74	10.95	1.91
1.967	1.91	4.967	7.66	7.967	5.74	10.97	1.91
1.983	1.91	4.983	7.66	7.983	5.74	10.98	1.91
2.000	1.91	5.000	7.66	8.000	5.74	11.00	1.91
2.017	2.87	5.017	9.57	8.017	4.79	11.02	1.91
2.033	2.87	5.033	9.57	8.033	4.79	11.03	1.91
2.050	2.87	5.050	9.57	8.050	4.79	11.05	1.91
2.067	2.87	5.067	9.57	8.067	4.79	11.07	1.91
2.083	2.87	5.083	9.57	8.083	4.79	11.08	1.91
2.100	2.87	5.100	9.57	8.100	4.79	11.10	1.91
2.117	2.87	5.117	9.57	8.117	4.79	11.12	1.91
2.133	2.87	5.133	9.57	8.133	4.79	11.13	1.91
2.150	2.87	5.150	9.57	8.150	4.79	11.15	1.91
2.167	2.87	5.167	9.57	8.167	4.79	11.17	1.91
2.183	2.87	5.183	9.57	8.183	4.79	11.18	1.91
2.200	2.87	5.200	9.57	8.200	4.79	11.20	1.91
2.217	2.87	5.217	9.57	8.217	4.79	11.22	1.91
2.233	2.87	5.233	9.57	8.233	4.79	11.23	1.91
2.250	2.87	5.250	9.57	8.250	4.78	11.25	1.91
2.267	3.83	5.267	11.49	8.267	3.83	11.27	1.91
2.283	3.83	5.283	11.49	8.283	3.83	11.28	1.91
2.300	3.83	5.300	11.49	8.300	3.83	11.30	1.91
2.317	3.83	5.317	11.49	8.317	3.83	11.32	1.91
2.333	3.83	5.333	11.49	8.333	3.83	11.33	1.91
2.350	3.83	5.350	11.49	8.350	3.83	11.35	1.91
2.367	3.83	5.367	11.49	8.367	3.83	11.37	1.91
2.383	3.83	5.383	11.49	8.383	3.83	11.38	1.91
2.400	3.83	5.400	11.49	8.400	3.83	11.40	1.91
2.417	3.83	5.417	11.49	8.417	3.83	11.42	1.91
2.433	3.83	5.433	11.49	8.433	3.83	11.43	1.91
2.450	3.83	5.450	11.49	8.450	3.83	11.45	1.91
2.467	3.83	5.467	11.49	8.467	3.83	11.47	1.91
2.483	3.83	5.483	11.49	8.483	3.83	11.48	1.91
2.500	3.83	5.500	11.52	8.500	3.83	11.50	1.91
2.517	3.83	5.517	48.81	8.517	3.83	11.52	1.91
2.533	3.83	5.533	48.81	8.533	3.83	11.53	1.91
2.550	3.83	5.550	48.81	8.550	3.83	11.55	1.91
2.567	3.83	5.567	48.81	8.567	3.83	11.57	1.91
2.583	3.83	5.583	48.81	8.583	3.83	11.58	1.91
2.600	3.83	5.600	48.81	8.600	3.83	11.60	1.91
2.617	3.83	5.617	48.81	8.617	3.83	11.62	1.91
2.633	3.83	5.633	48.81	8.633	3.83	11.63	1.91
2.650	3.83	5.650	48.81	8.650	3.83	11.65	1.91
2.667	3.83	5.667	48.81	8.667	3.83	11.67	1.91
2.683	3.83	5.683	48.81	8.683	3.83	11.68	1.91
2.700	3.83	5.700	48.81	8.700	3.83	11.70	1.91
2.717	3.83	5.717	48.81	8.717	3.83	11.72	1.91
2.733	3.83	5.733	48.81	8.733	3.83	11.73	1.91
2.750	3.83	5.750	48.86	8.750	3.83	11.75	1.91
2.767	3.83	5.767	86.14	8.767	3.83	11.77	1.91
2.783	3.83	5.783	86.14	8.783	3.83	11.78	1.91
2.800	3.83	5.800	86.14	8.800	3.83	11.80	1.91
2.817	3.83	5.817	86.14	8.817	3.83	11.82	1.91
2.833	3.83	5.833	86.14	8.833	3.83	11.83	1.91
2.850	3.83	5.850	86.14	8.850	3.83	11.85	1.91
2.867	3.83	5.867	86.14	8.867	3.83	11.87	1.91
2.883	3.83	5.883	86.14	8.883	3.83	11.88	1.91

2.900	3.83	5.900	86.14	8.900	3.83	11.90	1.91
2.917	3.83	5.917	86.14	8.917	3.83	11.92	1.91
2.933	3.83	5.933	86.14	8.933	3.83	11.93	1.91
2.950	3.83	5.950	86.14	8.950	3.83	11.95	1.91
2.967	3.83	5.967	86.14	8.967	3.83	11.97	1.91
2.983	3.83	5.983	86.14	8.983	3.83	11.98	1.91
3.000	3.83	6.000	86.09	9.000	3.83	12.00	1.91

Max.Eff.Inten.(mm/hr)= 86.14 26.63
over (min) 5.00 7.00
Storage Coeff. (min)= 0.88 (ii) 6.73 (ii)
Unit Hyd. Tpeak (min)= 5.00 7.00
Unit Hyd. peak (cms)= 0.49 0.17

PEAK FLOW (cms)= 0.03 0.00 *TOTALS*
TIME TO PEAK (hrs)= 5.98 6.07 0.037 (iii)
RUNOFF VOLUME (mm)= 93.47 26.67 6.00
TOTAL RAINFALL (mm)= 95.47 95.47 95.47
RUNOFF COEFFICIENT = 0.98 0.28 0.73

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)					
1 + 2 = 3					
ID1= 1 (0001):	AREA	QPEAK	TPEAK	R.V.	
	(ha)	(cms)	(hrs)	(mm)	
+ ID2= 2 (0202):	19.50	0.316	7.20	53.28	
	0.21	0.037	6.00	70.07	
=====					
ID = 3 (0015):	19.71	0.319	7.18	53.46	

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:4.1 SCS II 24hr 2yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData\Local\Temp\ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\38ba427f
Ptotal= 56.66 mm	Comments: SCS 24 HOUR TYPE II STORM DISTRIBUTION 1

Duration of storm = 24.00 hrs
Mass curve time step = 15.00 min

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	0.62	6.00	1.02	12.00	8.16	18.00	1.02
0.25	0.62	6.25	1.02	12.25	8.16	18.25	1.02
0.50	0.62	6.50	1.02	12.50	4.19	18.50	1.02
0.75	0.62	6.75	1.02	12.75	4.19	18.75	1.02
1.00	0.62	7.00	1.25	13.00	3.06	19.00	1.02
1.25	0.62	7.25	1.25	13.25	3.06	19.25	1.02
1.50	0.62	7.50	1.25	13.50	2.38	19.50	1.02
1.75	0.62	7.75	1.25	13.75	2.38	19.75	1.02
2.00	0.74	8.00	1.47	14.00	1.70	20.00	0.68
2.25	0.74	8.25	1.47	14.25	1.70	20.25	0.68
2.50	0.74	8.50	1.59	14.50	1.70	20.50	0.68
2.75	0.74	8.75	1.59	14.75	1.70	20.75	0.68
3.00	0.74	9.00	1.81	15.00	1.70	21.00	0.68
3.25	0.74	9.25	1.81	15.25	1.70	21.25	0.68
3.50	0.74	9.50	2.04	15.50	1.70	21.50	0.68
3.75	0.74	9.75	2.04	15.75	1.70	21.75	0.68
4.00	0.91	10.00	2.61	16.00	1.02	22.00	0.68
4.25	0.91	10.25	2.61	16.25	1.02	22.25	0.68
4.50	0.91	10.50	3.51	16.50	1.02	22.50	0.68
4.75	0.91	10.75	3.51	16.75	1.02	22.75	0.68
5.00	0.91	11.00	5.44	17.00	1.02	23.00	0.68
5.25	0.91	11.25	5.44	17.25	1.02	23.25	0.68
5.50	0.91	11.50	16.77	17.50	1.02	23.50	0.68
5.75	0.91	11.75	69.35	17.75	1.02	23.75	0.68

CALIB	
STANDHYD (0201)	Area (ha)= 19.50

|ID= 1 DT= 1.0 min | Total Imp(%)= 62.00 Dir. Conn.(%)= 48.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	12.09	7.41
Dep. Storage	(mm)=	2.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	298.34	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.62	6.017	1.02	12.017	8.16	18.02	1.02
0.033	0.62	6.033	1.02	12.033	8.16	18.03	1.02
0.050	0.62	6.050	1.02	12.050	8.16	18.05	1.02
0.067	0.62	6.067	1.02	12.067	8.16	18.07	1.02
0.083	0.62	6.083	1.02	12.083	8.16	18.08	1.02
0.100	0.62	6.100	1.02	12.100	8.16	18.10	1.02
0.117	0.62	6.117	1.02	12.117	8.16	18.12	1.02
0.133	0.62	6.133	1.02	12.133	8.16	18.13	1.02
0.150	0.62	6.150	1.02	12.150	8.16	18.15	1.02
0.167	0.62	6.167	1.02	12.167	8.16	18.17	1.02
0.183	0.62	6.183	1.02	12.183	8.16	18.18	1.02
0.200	0.62	6.200	1.02	12.200	8.16	18.20	1.02
0.217	0.62	6.217	1.02	12.217	8.16	18.22	1.02
0.233	0.62	6.233	1.02	12.233	8.16	18.23	1.02
0.250	0.62	6.250	1.02	12.250	8.16	18.25	1.02
0.267	0.62	6.267	1.02	12.267	8.16	18.27	1.02
0.283	0.62	6.283	1.02	12.283	8.16	18.28	1.02
0.300	0.62	6.300	1.02	12.300	8.16	18.30	1.02
0.317	0.62	6.317	1.02	12.317	8.16	18.32	1.02
0.333	0.62	6.333	1.02	12.333	8.16	18.33	1.02
0.350	0.62	6.350	1.02	12.350	8.16	18.35	1.02
0.367	0.62	6.367	1.02	12.367	8.16	18.37	1.02
0.383	0.62	6.383	1.02	12.383	8.16	18.38	1.02
0.400	0.62	6.400	1.02	12.400	8.16	18.40	1.02
0.417	0.62	6.417	1.02	12.417	8.16	18.42	1.02
0.433	0.62	6.433	1.02	12.433	8.16	18.43	1.02
0.450	0.62	6.450	1.02	12.450	8.16	18.45	1.02
0.467	0.62	6.467	1.02	12.467	8.16	18.47	1.02
0.483	0.62	6.483	1.02	12.483	8.16	18.48	1.02
0.500	0.62	6.500	1.02	12.500	8.16	18.50	1.02
0.517	0.62	6.517	1.02	12.517	4.20	18.52	1.02
0.533	0.62	6.533	1.02	12.533	4.19	18.53	1.02
0.550	0.62	6.550	1.02	12.550	4.19	18.55	1.02
0.567	0.62	6.567	1.02	12.567	4.19	18.57	1.02
0.583	0.62	6.583	1.02	12.583	4.19	18.58	1.02
0.600	0.62	6.600	1.02	12.600	4.19	18.60	1.02
0.617	0.62	6.617	1.02	12.617	4.19	18.62	1.02
0.633	0.62	6.633	1.02	12.633	4.19	18.63	1.02
0.650	0.62	6.650	1.02	12.650	4.19	18.65	1.02
0.667	0.62	6.667	1.02	12.667	4.19	18.67	1.02
0.683	0.62	6.683	1.02	12.683	4.19	18.68	1.02
0.700	0.62	6.700	1.02	12.700	4.19	18.70	1.02
0.717	0.62	6.717	1.02	12.717	4.19	18.72	1.02
0.733	0.62	6.733	1.02	12.733	4.19	18.73	1.02
0.750	0.62	6.750	1.02	12.750	4.19	18.75	1.02
0.767	0.62	6.767	1.02	12.767	4.19	18.77	1.02
0.783	0.62	6.783	1.02	12.783	4.19	18.78	1.02
0.800	0.62	6.800	1.02	12.800	4.19	18.80	1.02
0.817	0.62	6.817	1.02	12.817	4.19	18.82	1.02
0.833	0.62	6.833	1.02	12.833	4.19	18.83	1.02
0.850	0.62	6.850	1.02	12.850	4.19	18.85	1.02
0.867	0.62	6.867	1.02	12.867	4.19	18.87	1.02
0.883	0.62	6.883	1.02	12.883	4.19	18.88	1.02
0.900	0.62	6.900	1.02	12.900	4.19	18.90	1.02
0.917	0.62	6.917	1.02	12.917	4.19	18.92	1.02
0.933	0.62	6.933	1.02	12.933	4.19	18.93	1.02
0.950	0.62	6.950	1.02	12.950	4.19	18.95	1.02
0.967	0.62	6.967	1.02	12.967	4.19	18.97	1.02
0.983	0.62	6.983	1.02	12.983	4.19	18.98	1.02
1.000	0.62	7.000	1.02	13.000	4.19	19.00	1.02
1.017	0.62	7.017	1.25	13.017	3.06	19.02	1.02
1.033	0.62	7.033	1.25	13.033	3.06	19.03	1.02
1.050	0.62	7.050	1.25	13.050	3.06	19.05	1.02
1.067	0.62	7.067	1.25	13.067	3.06	19.07	1.02
1.083	0.62	7.083	1.25	13.083	3.06	19.08	1.02
1.100	0.62	7.100	1.25	13.100	3.06	19.10	1.02
1.117	0.62	7.117	1.25	13.117	3.06	19.12	1.02
1.133	0.62	7.133	1.25	13.133	3.06	19.13	1.02
1.150	0.62	7.150	1.25	13.150	3.06	19.15	1.02

1.167	0.62	7.167	1.25	13.167	3.06	19.17	1.02
1.183	0.62	7.183	1.25	13.183	3.06	19.18	1.02
1.200	0.62	7.200	1.25	13.200	3.06	19.20	1.02
1.217	0.62	7.217	1.25	13.217	3.06	19.22	1.02
1.233	0.62	7.233	1.25	13.233	3.06	19.23	1.02
1.250	0.62	7.250	1.25	13.250	3.06	19.25	1.02
1.267	0.62	7.267	1.25	13.267	3.06	19.27	1.02
1.283	0.62	7.283	1.25	13.283	3.06	19.28	1.02
1.300	0.62	7.300	1.25	13.300	3.06	19.30	1.02
1.317	0.62	7.317	1.25	13.317	3.06	19.32	1.02
1.333	0.62	7.333	1.25	13.333	3.06	19.33	1.02
1.350	0.62	7.350	1.25	13.350	3.06	19.35	1.02
1.367	0.62	7.367	1.25	13.367	3.06	19.37	1.02
1.383	0.62	7.383	1.25	13.383	3.06	19.38	1.02
1.400	0.62	7.400	1.25	13.400	3.06	19.40	1.02
1.417	0.62	7.417	1.25	13.417	3.06	19.42	1.02
1.433	0.62	7.433	1.25	13.433	3.06	19.43	1.02
1.450	0.62	7.450	1.25	13.450	3.06	19.45	1.02
1.467	0.62	7.467	1.25	13.467	3.06	19.47	1.02
1.483	0.62	7.483	1.25	13.483	3.06	19.48	1.02
1.500	0.62	7.500	1.25	13.500	3.06	19.50	1.02
1.517	0.62	7.517	1.25	13.517	2.38	19.52	1.02
1.533	0.62	7.533	1.25	13.533	2.38	19.53	1.02
1.550	0.62	7.550	1.25	13.550	2.38	19.55	1.02
1.567	0.62	7.567	1.25	13.567	2.38	19.57	1.02
1.583	0.62	7.583	1.25	13.583	2.38	19.58	1.02
1.600	0.62	7.600	1.25	13.600	2.38	19.60	1.02
1.617	0.62	7.617	1.25	13.617	2.38	19.62	1.02
1.633	0.62	7.633	1.25	13.633	2.38	19.63	1.02
1.650	0.62	7.650	1.25	13.650	2.38	19.65	1.02
1.667	0.62	7.667	1.25	13.667	2.38	19.67	1.02
1.683	0.62	7.683	1.25	13.683	2.38	19.68	1.02
1.700	0.62	7.700	1.25	13.700	2.38	19.70	1.02
1.717	0.62	7.717	1.25	13.717	2.38	19.72	1.02
1.733	0.62	7.733	1.25	13.733	2.38	19.73	1.02
1.750	0.62	7.750	1.25	13.750	2.38	19.75	1.02
1.767	0.62	7.767	1.25	13.767	2.38	19.77	1.02
1.783	0.62	7.783	1.25	13.783	2.38	19.78	1.02
1.800	0.62	7.800	1.25	13.800	2.38	19.80	1.02
1.817	0.62	7.817	1.25	13.817	2.38	19.82	1.02
1.833	0.62	7.833	1.25	13.833	2.38	19.83	1.02
1.850	0.62	7.850	1.25	13.850	2.38	19.85	1.02
1.867	0.62	7.867	1.25	13.867	2.38	19.87	1.02
1.883	0.62	7.883	1.25	13.883	2.38	19.88	1.02
1.900	0.62	7.900	1.25	13.900	2.38	19.90	1.02
1.917	0.62	7.917	1.25	13.917	2.38	19.92	1.02
1.933	0.62	7.933	1.25	13.933	2.38	19.93	1.02
1.950	0.62	7.950	1.25	13.950	2.38	19.95	1.02
1.967	0.62	7.967	1.25	13.967	2.38	19.97	1.02
1.983	0.62	7.983	1.25	13.983	2.38	19.98	1.02
2.000	0.62	8.000	1.25	14.000	2.38	20.00	1.02
2.017	0.74	8.017	1.47	14.017	1.70	20.02	0.68
2.033	0.74	8.033	1.47	14.033	1.70	20.03	0.68
2.050	0.74	8.050	1.47	14.050	1.70	20.05	0.68
2.067	0.74	8.067	1.47	14.067	1.70	20.07	0.68
2.083	0.74	8.083	1.47	14.083	1.70	20.08	0.68
2.100	0.74	8.100	1.47	14.100	1.70	20.10	0.68
2.117	0.74	8.117	1.47	14.117	1.70	20.12	0.68
2.133	0.74	8.133	1.47	14.133	1.70	20.13	0.68
2.150	0.74	8.150	1.47	14.150	1.70	20.15	0.68
2.167	0.74	8.167	1.47	14.167	1.70	20.17	0.68
2.183	0.74	8.183	1.47	14.183	1.70	20.18	0.68
2.200	0.74	8.200	1.47	14.200	1.70	20.20	0.68
2.217	0.74	8.217	1.47	14.217	1.70	20.22	0.68
2.233	0.74	8.233	1.47	14.233	1.70	20.23	0.68
2.250	0.74	8.250	1.47	14.250	1.70	20.25	0.68
2.267	0.74	8.267	1.47	14.267	1.70	20.27	0.68
2.283	0.74	8.283	1.47	14.283	1.70	20.28	0.68
2.300	0.74	8.300	1.47	14.300	1.70	20.30	0.68
2.317	0.74	8.317	1.47	14.317	1.70	20.32	0.68
2.333	0.74	8.333	1.47	14.333	1.70	20.33	0.68
2.350	0.74	8.350	1.47	14.350	1.70	20.35	0.68
2.367	0.74	8.367	1.47	14.367	1.70	20.37	0.68
2.383	0.74	8.383	1.47	14.383	1.70	20.38	0.68
2.400	0.74	8.400	1.47	14.400	1.70	20.40	0.68
2.417	0.74	8.417	1.47	14.417	1.70	20.42	0.68
2.433	0.74	8.433	1.47	14.433	1.70	20.43	0.68
2.450	0.74	8.450	1.47	14.450	1.70	20.45	0.68
2.467	0.74	8.467	1.47	14.467	1.70	20.47	0.68
2.483	0.74	8.483	1.47	14.483	1.70	20.48	0.68
2.500	0.74	8.500	1.47	14.500	1.70	20.50	0.68
2.517	0.74	8.517	1.59	14.517	1.70	20.52	0.68
2.533	0.74	8.533	1.59	14.533	1.70	20.53	0.68
2.550	0.74	8.550	1.59	14.550	1.70	20.55	0.68

2.567	0.74	8.567	1.59	14.567	1.70	20.57	0.68
2.583	0.74	8.583	1.59	14.583	1.70	20.58	0.68
2.600	0.74	8.600	1.59	14.600	1.70	20.60	0.68
2.617	0.74	8.617	1.59	14.617	1.70	20.62	0.68
2.633	0.74	8.633	1.59	14.633	1.70	20.63	0.68
2.650	0.74	8.650	1.59	14.650	1.70	20.65	0.68
2.667	0.74	8.667	1.59	14.667	1.70	20.67	0.68
2.683	0.74	8.683	1.59	14.683	1.70	20.68	0.68
2.700	0.74	8.700	1.59	14.700	1.70	20.70	0.68
2.717	0.74	8.717	1.59	14.717	1.70	20.72	0.68
2.733	0.74	8.733	1.59	14.733	1.70	20.73	0.68
2.750	0.74	8.750	1.59	14.750	1.70	20.75	0.68
2.767	0.74	8.767	1.59	14.767	1.70	20.77	0.68
2.783	0.74	8.783	1.59	14.783	1.70	20.78	0.68
2.800	0.74	8.800	1.59	14.800	1.70	20.80	0.68
2.817	0.74	8.817	1.59	14.817	1.70	20.82	0.68
2.833	0.74	8.833	1.59	14.833	1.70	20.83	0.68
2.850	0.74	8.850	1.59	14.850	1.70	20.85	0.68
2.867	0.74	8.867	1.59	14.867	1.70	20.87	0.68
2.883	0.74	8.883	1.59	14.883	1.70	20.88	0.68
2.900	0.74	8.900	1.59	14.900	1.70	20.90	0.68
2.917	0.74	8.917	1.59	14.917	1.70	20.92	0.68
2.933	0.74	8.933	1.59	14.933	1.70	20.93	0.68
2.950	0.74	8.950	1.59	14.950	1.70	20.95	0.68
2.967	0.74	8.967	1.59	14.967	1.70	20.97	0.68
2.983	0.74	8.983	1.59	14.983	1.70	20.98	0.68
3.000	0.74	9.000	1.59	15.000	1.70	21.00	0.68
3.017	0.74	9.017	1.81	15.017	1.70	21.02	0.68
3.033	0.74	9.033	1.81	15.033	1.70	21.03	0.68
3.050	0.74	9.050	1.81	15.050	1.70	21.05	0.68
3.067	0.74	9.067	1.81	15.067	1.70	21.07	0.68
3.083	0.74	9.083	1.81	15.083	1.70	21.08	0.68
3.100	0.74	9.100	1.81	15.100	1.70	21.10	0.68
3.117	0.74	9.117	1.81	15.117	1.70	21.12	0.68
3.133	0.74	9.133	1.81	15.133	1.70	21.13	0.68
3.150	0.74	9.150	1.81	15.150	1.70	21.15	0.68
3.167	0.74	9.167	1.81	15.167	1.70	21.17	0.68
3.183	0.74	9.183	1.81	15.183	1.70	21.18	0.68
3.200	0.74	9.200	1.81	15.200	1.70	21.20	0.68
3.217	0.74	9.217	1.81	15.217	1.70	21.22	0.68
3.233	0.74	9.233	1.81	15.233	1.70	21.23	0.68
3.250	0.74	9.250	1.81	15.250	1.70	21.25	0.68
3.267	0.74	9.267	1.81	15.267	1.70	21.27	0.68
3.283	0.74	9.283	1.81	15.283	1.70	21.28	0.68
3.300	0.74	9.300	1.81	15.300	1.70	21.30	0.68
3.317	0.74	9.317	1.81	15.317	1.70	21.32	0.68
3.333	0.74	9.333	1.81	15.333	1.70	21.33	0.68
3.350	0.74	9.350	1.81	15.350	1.70	21.35	0.68
3.367	0.74	9.367	1.81	15.367	1.70	21.37	0.68
3.383	0.74	9.383	1.81	15.383	1.70	21.38	0.68
3.400	0.74	9.400	1.81	15.400	1.70	21.40	0.68
3.417	0.74	9.417	1.81	15.417	1.70	21.42	0.68
3.433	0.74	9.433	1.81	15.433	1.70	21.43	0.68
3.450	0.74	9.450	1.81	15.450	1.70	21.45	0.68
3.467	0.74	9.467	1.81	15.467	1.70	21.47	0.68
3.483	0.74	9.483	1.81	15.483	1.70	21.48	0.68
3.500	0.74	9.500	1.81	15.500	1.70	21.50	0.68
3.517	0.74	9.517	2.04	15.517	1.70	21.52	0.68
3.533	0.74	9.533	2.04	15.533	1.70	21.53	0.68
3.550	0.74	9.550	2.04	15.550	1.70	21.55	0.68
3.567	0.74	9.567	2.04	15.567	1.70	21.57	0.68
3.583	0.74	9.583	2.04	15.583	1.70	21.58	0.68
3.600	0.74	9.600	2.04	15.600	1.70	21.60	0.68
3.617	0.74	9.617	2.04	15.617	1.70	21.62	0.68
3.633	0.74	9.633	2.04	15.633	1.70	21.63	0.68
3.650	0.74	9.650	2.04	15.650	1.70	21.65	0.68
3.667	0.74	9.667	2.04	15.667	1.70	21.67	0.68
3.683	0.74	9.683	2.04	15.683	1.70	21.68	0.68
3.700	0.74	9.700	2.04	15.700	1.70	21.70	0.68
3.717	0.74	9.717	2.04	15.717	1.70	21.72	0.68
3.733	0.74	9.733	2.04	15.733	1.70	21.73	0.68
3.750	0.74	9.750	2.04	15.750	1.70	21.75	0.68
3.767	0.74	9.767	2.04	15.767	1.70	21.77	0.68
3.783	0.74	9.783	2.04	15.783	1.70	21.78	0.68
3.800	0.74	9.800	2.04	15.800	1.70	21.80	0.68
3.817	0.74	9.817	2.04	15.817	1.70	21.82	0.68
3.833	0.74	9.833	2.04	15.833	1.70	21.83	0.68
3.850	0.74	9.850	2.04	15.850	1.70	21.85	0.68
3.867	0.74	9.867	2.04	15.867	1.70	21.87	0.68
3.883	0.74	9.883	2.04	15.883	1.70	21.88	0.68
3.900	0.74	9.900	2.04	15.900	1.70	21.90	0.68
3.917	0.74	9.917	2.04	15.917	1.70	21.92	0.68
3.933	0.74	9.933	2.04	15.933	1.70	21.93	0.68
3.950	0.74	9.950	2.04	15.950	1.70	21.95	0.68

3.967	0.74	9.967	2.04	15.967	1.70	21.97	0.68
3.983	0.74	9.983	2.04	15.983	1.70	21.98	0.68
4.000	0.74	10.000	2.04	16.000	1.70	22.00	0.68
4.017	0.91	10.017	2.61	16.017	1.02	22.02	0.68
4.033	0.91	10.033	2.61	16.033	1.02	22.03	0.68
4.050	0.91	10.050	2.61	16.050	1.02	22.05	0.68
4.067	0.91	10.067	2.61	16.067	1.02	22.07	0.68
4.083	0.91	10.083	2.61	16.083	1.02	22.08	0.68
4.100	0.91	10.100	2.61	16.100	1.02	22.10	0.68
4.117	0.91	10.117	2.61	16.117	1.02	22.12	0.68
4.133	0.91	10.133	2.61	16.133	1.02	22.13	0.68
4.150	0.91	10.150	2.61	16.150	1.02	22.15	0.68
4.167	0.91	10.167	2.61	16.167	1.02	22.17	0.68
4.183	0.91	10.183	2.61	16.183	1.02	22.18	0.68
4.200	0.91	10.200	2.61	16.200	1.02	22.20	0.68
4.217	0.91	10.217	2.61	16.217	1.02	22.22	0.68
4.233	0.91	10.233	2.61	16.233	1.02	22.23	0.68
4.250	0.91	10.250	2.61	16.250	1.02	22.25	0.68
4.267	0.91	10.267	2.61	16.267	1.02	22.27	0.68
4.283	0.91	10.283	2.61	16.283	1.02	22.28	0.68
4.300	0.91	10.300	2.61	16.300	1.02	22.30	0.68
4.317	0.91	10.317	2.61	16.317	1.02	22.32	0.68
4.333	0.91	10.333	2.61	16.333	1.02	22.33	0.68
4.350	0.91	10.350	2.61	16.350	1.02	22.35	0.68
4.367	0.91	10.367	2.61	16.367	1.02	22.37	0.68
4.383	0.91	10.383	2.61	16.383	1.02	22.38	0.68
4.400	0.91	10.400	2.61	16.400	1.02	22.40	0.68
4.417	0.91	10.417	2.61	16.417	1.02	22.42	0.68
4.433	0.91	10.433	2.61	16.433	1.02	22.43	0.68
4.450	0.91	10.450	2.61	16.450	1.02	22.45	0.68
4.467	0.91	10.467	2.61	16.467	1.02	22.47	0.68
4.483	0.91	10.483	2.61	16.483	1.02	22.48	0.68
4.500	0.91	10.500	2.61	16.500	1.02	22.50	0.68
4.517	0.91	10.517	3.51	16.517	1.02	22.52	0.68
4.533	0.91	10.533	3.51	16.533	1.02	22.53	0.68
4.550	0.91	10.550	3.51	16.550	1.02	22.55	0.68
4.567	0.91	10.567	3.51	16.567	1.02	22.57	0.68
4.583	0.91	10.583	3.51	16.583	1.02	22.58	0.68
4.600	0.91	10.600	3.51	16.600	1.02	22.60	0.68
4.617	0.91	10.617	3.51	16.617	1.02	22.62	0.68
4.633	0.91	10.633	3.51	16.633	1.02	22.63	0.68
4.650	0.91	10.650	3.51	16.650	1.02	22.65	0.68
4.667	0.91	10.667	3.51	16.667	1.02	22.67	0.68
4.683	0.91	10.683	3.51	16.683	1.02	22.68	0.68
4.700	0.91	10.700	3.51	16.700	1.02	22.70	0.68
4.717	0.91	10.717	3.51	16.717	1.02	22.72	0.68
4.733	0.91	10.733	3.51	16.733	1.02	22.73	0.68
4.750	0.91	10.750	3.51	16.750	1.02	22.75	0.68
4.767	0.91	10.767	3.51	16.767	1.02	22.77	0.68
4.783	0.91	10.783	3.51	16.783	1.02	22.78	0.68
4.800	0.91	10.800	3.51	16.800	1.02	22.80	0.68
4.817	0.91	10.817	3.51	16.817	1.02	22.82	0.68
4.833	0.91	10.833	3.51	16.833	1.02	22.83	0.68
4.850	0.91	10.850	3.51	16.850	1.02	22.85	0.68
4.867	0.91	10.867	3.51	16.867	1.02	22.87	0.68
4.883	0.91	10.883	3.51	16.883	1.02	22.88	0.68
4.900	0.91	10.900	3.51	16.900	1.02	22.90	0.68
4.917	0.91	10.917	3.51	16.917	1.02	22.92	0.68
4.933	0.91	10.933	3.51	16.933	1.02	22.93	0.68
4.950	0.91	10.950	3.51	16.950	1.02	22.95	0.68
4.967	0.91	10.967	3.51	16.967	1.02	22.97	0.68
4.983	0.91	10.983	3.51	16.983	1.02	22.98	0.68
5.000	0.91	11.000	3.51	17.000	1.02	23.00	0.68
5.017	0.91	11.017	5.44	17.017	1.02	23.02	0.68
5.033	0.91	11.033	5.44	17.033	1.02	23.03	0.68
5.050	0.91	11.050	5.44	17.050	1.02	23.05	0.68
5.067	0.91	11.067	5.44	17.067	1.02	23.07	0.68
5.083	0.91	11.083	5.44	17.083	1.02	23.08	0.68
5.100	0.91	11.100	5.44	17.100	1.02	23.10	0.68
5.117	0.91	11.117	5.44	17.117	1.02	23.12	0.68
5.133	0.91	11.133	5.44	17.133	1.02	23.13	0.68
5.150	0.91	11.150	5.44	17.150	1.02	23.15	0.68
5.167	0.91	11.167	5.44	17.167	1.02	23.17	0.68
5.183	0.91	11.183	5.44	17.183	1.02	23.18	0.68
5.200	0.91	11.200	5.44	17.200	1.02	23.20	0.68
5.217	0.91	11.217	5.44	17.217	1.02	23.22	0.68
5.233	0.91	11.233	5.44	17.233	1.02	23.23	0.68
5.250	0.91	11.250	5.44	17.250	1.02	23.25	0.68
5.267	0.91	11.267	5.44	17.267	1.02	23.27	0.68
5.283	0.91	11.283	5.44	17.283	1.02	23.28	0.68
5.300	0.91	11.300	5.44	17.300	1.02	23.30	0.68
5.317	0.91	11.317	5.44	17.317	1.02	23.32	0.68
5.333	0.91	11.333	5.44	17.333	1.02	23.33	0.68
5.350	0.91	11.350	5.44	17.350	1.02	23.35	0.68

5.367	0.91	11.367	5.44	17.367	1.02	23.37	0.68
5.383	0.91	11.383	5.44	17.383	1.02	23.38	0.68
5.400	0.91	11.400	5.44	17.400	1.02	23.40	0.68
5.417	0.91	11.417	5.44	17.417	1.02	23.42	0.68
5.433	0.91	11.433	5.44	17.433	1.02	23.43	0.68
5.450	0.91	11.450	5.44	17.450	1.02	23.45	0.68
5.467	0.91	11.467	5.44	17.467	1.02	23.47	0.68
5.483	0.91	11.483	5.44	17.483	1.02	23.48	0.68
5.500	0.91	11.500	5.44	17.500	1.02	23.50	0.68
5.517	0.91	11.517	16.77	17.517	1.02	23.52	0.68
5.533	0.91	11.533	16.77	17.533	1.02	23.53	0.68
5.550	0.91	11.550	16.77	17.550	1.02	23.55	0.68
5.567	0.91	11.567	16.77	17.567	1.02	23.57	0.68
5.583	0.91	11.583	16.77	17.583	1.02	23.58	0.68
5.600	0.91	11.600	16.77	17.600	1.02	23.60	0.68
5.617	0.91	11.617	16.77	17.617	1.02	23.62	0.68
5.633	0.91	11.633	16.77	17.633	1.02	23.63	0.68
5.650	0.91	11.650	16.77	17.650	1.02	23.65	0.68
5.667	0.91	11.667	16.77	17.667	1.02	23.67	0.68
5.683	0.91	11.683	16.77	17.683	1.02	23.68	0.68
5.700	0.91	11.700	16.77	17.700	1.02	23.70	0.68
5.717	0.91	11.717	16.77	17.717	1.02	23.72	0.68
5.733	0.91	11.733	16.77	17.733	1.02	23.73	0.68
5.750	0.91	11.750	16.77	17.750	1.02	23.75	0.68
5.767	0.91	11.767	69.33	17.767	1.02	23.77	0.68
5.783	0.91	11.783	69.35	17.783	1.02	23.78	0.68
5.800	0.91	11.800	69.35	17.800	1.02	23.80	0.68
5.817	0.91	11.817	69.35	17.817	1.02	23.82	0.68
5.833	0.91	11.833	69.35	17.833	1.02	23.83	0.68
5.850	0.91	11.850	69.35	17.850	1.02	23.85	0.68
5.867	0.91	11.867	69.35	17.867	1.02	23.87	0.68
5.883	0.91	11.883	69.35	17.883	1.02	23.88	0.68
5.900	0.91	11.900	69.35	17.900	1.02	23.90	0.68
5.917	0.91	11.917	69.35	17.917	1.02	23.92	0.68
5.933	0.91	11.933	69.35	17.933	1.02	23.93	0.68
5.950	0.91	11.950	69.35	17.950	1.02	23.95	0.68
5.967	0.91	11.967	69.35	17.967	1.02	23.97	0.68
5.983	0.91	11.983	69.35	17.983	1.02	23.98	0.68
6.000	0.91	12.000	69.35	18.000	1.02	24.00	0.68

Max.Eff.Inten.(mm/hr)=	69.35	26.44
over (min)	6.00	14.00
Storage Coeff. (min)=	5.70 (ii)	13.14 (ii)
Unit Hyd. Tpeak (min)=	6.00	14.00
Unit Hyd. peak (cms)=	0.20	0.08

PEAK FLOW (cms)=	1.63	0.31	*TOTALS*
TIME TO PEAK (hrs)=	12.00	12.13	1.873 (iii)
RUNOFF VOLUME (mm)=	54.66	13.31	12.02
TOTAL RAINFALL (mm)=	56.66	56.66	33.16
RUNOFF COEFFICIENT =	0.96	0.23	56.66
			0.59

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)		OVERFLOW IS OFF	
IN= 2---> OUT= 1			
DT= 5.0 min			
	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)
			STORAGE (ha.m.)
	0.0000	0.0000	0.1330
	0.0380	0.2900	0.1650
	0.0680	0.3850	0.2000
	0.0940	0.4500	0.4800
			1.1000

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)	19.500	1.873	12.02	33.16
OUTFLOW: ID= 1 (0001)	19.500	0.086	14.05	22.37

PEAK FLOW REDUCTION [Qout/Qin](%)= 4.57
TIME SHIFT OF PEAK FLOW (min)=122.00
MAXIMUM STORAGE USED (ha.m.)= 0.4291

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB	
STANDHYD (0202)	Area (ha)= 0.21

|ID= 1 DT= 1.0 min | Total Imp(%)= 65.00 Dir. Conn.(%)= 65.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.14	0.07
Dep. Storage	(mm)=	2.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	15.25	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.62	6.017	1.02	12.017	8.16	18.02	1.02
0.033	0.62	6.033	1.02	12.033	8.16	18.03	1.02
0.050	0.62	6.050	1.02	12.050	8.16	18.05	1.02
0.067	0.62	6.067	1.02	12.067	8.16	18.07	1.02
0.083	0.62	6.083	1.02	12.083	8.16	18.08	1.02
0.100	0.62	6.100	1.02	12.100	8.16	18.10	1.02
0.117	0.62	6.117	1.02	12.117	8.16	18.12	1.02
0.133	0.62	6.133	1.02	12.133	8.16	18.13	1.02
0.150	0.62	6.150	1.02	12.150	8.16	18.15	1.02
0.167	0.62	6.167	1.02	12.167	8.16	18.17	1.02
0.183	0.62	6.183	1.02	12.183	8.16	18.18	1.02
0.200	0.62	6.200	1.02	12.200	8.16	18.20	1.02
0.217	0.62	6.217	1.02	12.217	8.16	18.22	1.02
0.233	0.62	6.233	1.02	12.233	8.16	18.23	1.02
0.250	0.62	6.250	1.02	12.250	8.16	18.25	1.02
0.267	0.62	6.267	1.02	12.267	8.16	18.27	1.02
0.283	0.62	6.283	1.02	12.283	8.16	18.28	1.02
0.300	0.62	6.300	1.02	12.300	8.16	18.30	1.02
0.317	0.62	6.317	1.02	12.317	8.16	18.32	1.02
0.333	0.62	6.333	1.02	12.333	8.16	18.33	1.02
0.350	0.62	6.350	1.02	12.350	8.16	18.35	1.02
0.367	0.62	6.367	1.02	12.367	8.16	18.37	1.02
0.383	0.62	6.383	1.02	12.383	8.16	18.38	1.02
0.400	0.62	6.400	1.02	12.400	8.16	18.40	1.02
0.417	0.62	6.417	1.02	12.417	8.16	18.42	1.02
0.433	0.62	6.433	1.02	12.433	8.16	18.43	1.02
0.450	0.62	6.450	1.02	12.450	8.16	18.45	1.02
0.467	0.62	6.467	1.02	12.467	8.16	18.47	1.02
0.483	0.62	6.483	1.02	12.483	8.16	18.48	1.02
0.500	0.62	6.500	1.02	12.500	8.16	18.50	1.02
0.517	0.62	6.517	1.02	12.517	4.20	18.52	1.02
0.533	0.62	6.533	1.02	12.533	4.19	18.53	1.02
0.550	0.62	6.550	1.02	12.550	4.19	18.55	1.02
0.567	0.62	6.567	1.02	12.567	4.19	18.57	1.02
0.583	0.62	6.583	1.02	12.583	4.19	18.58	1.02
0.600	0.62	6.600	1.02	12.600	4.19	18.60	1.02
0.617	0.62	6.617	1.02	12.617	4.19	18.62	1.02
0.633	0.62	6.633	1.02	12.633	4.19	18.63	1.02
0.650	0.62	6.650	1.02	12.650	4.19	18.65	1.02
0.667	0.62	6.667	1.02	12.667	4.19	18.67	1.02
0.683	0.62	6.683	1.02	12.683	4.19	18.68	1.02
0.700	0.62	6.700	1.02	12.700	4.19	18.70	1.02
0.717	0.62	6.717	1.02	12.717	4.19	18.72	1.02
0.733	0.62	6.733	1.02	12.733	4.19	18.73	1.02
0.750	0.62	6.750	1.02	12.750	4.19	18.75	1.02
0.767	0.62	6.767	1.02	12.767	4.19	18.77	1.02
0.783	0.62	6.783	1.02	12.783	4.19	18.78	1.02
0.800	0.62	6.800	1.02	12.800	4.19	18.80	1.02
0.817	0.62	6.817	1.02	12.817	4.19	18.82	1.02
0.833	0.62	6.833	1.02	12.833	4.19	18.83	1.02
0.850	0.62	6.850	1.02	12.850	4.19	18.85	1.02
0.867	0.62	6.867	1.02	12.867	4.19	18.87	1.02
0.883	0.62	6.883	1.02	12.883	4.19	18.88	1.02
0.900	0.62	6.900	1.02	12.900	4.19	18.90	1.02
0.917	0.62	6.917	1.02	12.917	4.19	18.92	1.02
0.933	0.62	6.933	1.02	12.933	4.19	18.93	1.02
0.950	0.62	6.950	1.02	12.950	4.19	18.95	1.02
0.967	0.62	6.967	1.02	12.967	4.19	18.97	1.02
0.983	0.62	6.983	1.02	12.983	4.19	18.98	1.02
1.000	0.62	7.000	1.02	13.000	4.19	19.00	1.02
1.017	0.62	7.017	1.25	13.017	3.06	19.02	1.02
1.033	0.62	7.033	1.25	13.033	3.06	19.03	1.02
1.050	0.62	7.050	1.25	13.050	3.06	19.05	1.02
1.067	0.62	7.067	1.25	13.067	3.06	19.07	1.02
1.083	0.62	7.083	1.25	13.083	3.06	19.08	1.02
1.100	0.62	7.100	1.25	13.100	3.06	19.10	1.02
1.117	0.62	7.117	1.25	13.117	3.06	19.12	1.02
1.133	0.62	7.133	1.25	13.133	3.06	19.13	1.02
1.150	0.62	7.150	1.25	13.150	3.06	19.15	1.02

1.167	0.62	7.167	1.25	13.167	3.06	19.17	1.02
1.183	0.62	7.183	1.25	13.183	3.06	19.18	1.02
1.200	0.62	7.200	1.25	13.200	3.06	19.20	1.02
1.217	0.62	7.217	1.25	13.217	3.06	19.22	1.02
1.233	0.62	7.233	1.25	13.233	3.06	19.23	1.02
1.250	0.62	7.250	1.25	13.250	3.06	19.25	1.02
1.267	0.62	7.267	1.25	13.267	3.06	19.27	1.02
1.283	0.62	7.283	1.25	13.283	3.06	19.28	1.02
1.300	0.62	7.300	1.25	13.300	3.06	19.30	1.02
1.317	0.62	7.317	1.25	13.317	3.06	19.32	1.02
1.333	0.62	7.333	1.25	13.333	3.06	19.33	1.02
1.350	0.62	7.350	1.25	13.350	3.06	19.35	1.02
1.367	0.62	7.367	1.25	13.367	3.06	19.37	1.02
1.383	0.62	7.383	1.25	13.383	3.06	19.38	1.02
1.400	0.62	7.400	1.25	13.400	3.06	19.40	1.02
1.417	0.62	7.417	1.25	13.417	3.06	19.42	1.02
1.433	0.62	7.433	1.25	13.433	3.06	19.43	1.02
1.450	0.62	7.450	1.25	13.450	3.06	19.45	1.02
1.467	0.62	7.467	1.25	13.467	3.06	19.47	1.02
1.483	0.62	7.483	1.25	13.483	3.06	19.48	1.02
1.500	0.62	7.500	1.25	13.500	3.06	19.50	1.02
1.517	0.62	7.517	1.25	13.517	2.38	19.52	1.02
1.533	0.62	7.533	1.25	13.533	2.38	19.53	1.02
1.550	0.62	7.550	1.25	13.550	2.38	19.55	1.02
1.567	0.62	7.567	1.25	13.567	2.38	19.57	1.02
1.583	0.62	7.583	1.25	13.583	2.38	19.58	1.02
1.600	0.62	7.600	1.25	13.600	2.38	19.60	1.02
1.617	0.62	7.617	1.25	13.617	2.38	19.62	1.02
1.633	0.62	7.633	1.25	13.633	2.38	19.63	1.02
1.650	0.62	7.650	1.25	13.650	2.38	19.65	1.02
1.667	0.62	7.667	1.25	13.667	2.38	19.67	1.02
1.683	0.62	7.683	1.25	13.683	2.38	19.68	1.02
1.700	0.62	7.700	1.25	13.700	2.38	19.70	1.02
1.717	0.62	7.717	1.25	13.717	2.38	19.72	1.02
1.733	0.62	7.733	1.25	13.733	2.38	19.73	1.02
1.750	0.62	7.750	1.25	13.750	2.38	19.75	1.02
1.767	0.62	7.767	1.25	13.767	2.38	19.77	1.02
1.783	0.62	7.783	1.25	13.783	2.38	19.78	1.02
1.800	0.62	7.800	1.25	13.800	2.38	19.80	1.02
1.817	0.62	7.817	1.25	13.817	2.38	19.82	1.02
1.833	0.62	7.833	1.25	13.833	2.38	19.83	1.02
1.850	0.62	7.850	1.25	13.850	2.38	19.85	1.02
1.867	0.62	7.867	1.25	13.867	2.38	19.87	1.02
1.883	0.62	7.883	1.25	13.883	2.38	19.88	1.02
1.900	0.62	7.900	1.25	13.900	2.38	19.90	1.02
1.917	0.62	7.917	1.25	13.917	2.38	19.92	1.02
1.933	0.62	7.933	1.25	13.933	2.38	19.93	1.02
1.950	0.62	7.950	1.25	13.950	2.38	19.95	1.02
1.967	0.62	7.967	1.25	13.967	2.38	19.97	1.02
1.983	0.62	7.983	1.25	13.983	2.38	19.98	1.02
2.000	0.62	8.000	1.25	14.000	2.38	20.00	1.02
2.017	0.74	8.017	1.47	14.017	1.70	20.02	0.68
2.033	0.74	8.033	1.47	14.033	1.70	20.03	0.68
2.050	0.74	8.050	1.47	14.050	1.70	20.05	0.68
2.067	0.74	8.067	1.47	14.067	1.70	20.07	0.68
2.083	0.74	8.083	1.47	14.083	1.70	20.08	0.68
2.100	0.74	8.100	1.47	14.100	1.70	20.10	0.68
2.117	0.74	8.117	1.47	14.117	1.70	20.12	0.68
2.133	0.74	8.133	1.47	14.133	1.70	20.13	0.68
2.150	0.74	8.150	1.47	14.150	1.70	20.15	0.68
2.167	0.74	8.167	1.47	14.167	1.70	20.17	0.68
2.183	0.74	8.183	1.47	14.183	1.70	20.18	0.68
2.200	0.74	8.200	1.47	14.200	1.70	20.20	0.68
2.217	0.74	8.217	1.47	14.217	1.70	20.22	0.68
2.233	0.74	8.233	1.47	14.233	1.70	20.23	0.68
2.250	0.74	8.250	1.47	14.250	1.70	20.25	0.68
2.267	0.74	8.267	1.47	14.267	1.70	20.27	0.68
2.283	0.74	8.283	1.47	14.283	1.70	20.28	0.68
2.300	0.74	8.300	1.47	14.300	1.70	20.30	0.68
2.317	0.74	8.317	1.47	14.317	1.70	20.32	0.68
2.333	0.74	8.333	1.47	14.333	1.70	20.33	0.68
2.350	0.74	8.350	1.47	14.350	1.70	20.35	0.68
2.367	0.74	8.367	1.47	14.367	1.70	20.37	0.68
2.383	0.74	8.383	1.47	14.383	1.70	20.38	0.68
2.400	0.74	8.400	1.47	14.400	1.70	20.40	0.68
2.417	0.74	8.417	1.47	14.417	1.70	20.42	0.68
2.433	0.74	8.433	1.47	14.433	1.70	20.43	0.68
2.450	0.74	8.450	1.47	14.450	1.70	20.45	0.68
2.467	0.74	8.467	1.47	14.467	1.70	20.47	0.68
2.483	0.74	8.483	1.47	14.483	1.70	20.48	0.68
2.500	0.74	8.500	1.47	14.500	1.70	20.50	0.68
2.517	0.74	8.517	1.59	14.517	1.70	20.52	0.68
2.533	0.74	8.533	1.59	14.533	1.70	20.53	0.68
2.550	0.74	8.550	1.59	14.550	1.70	20.55	0.68

2.567	0.74	8.567	1.59	14.567	1.70	20.57	0.68
2.583	0.74	8.583	1.59	14.583	1.70	20.58	0.68
2.600	0.74	8.600	1.59	14.600	1.70	20.60	0.68
2.617	0.74	8.617	1.59	14.617	1.70	20.62	0.68
2.633	0.74	8.633	1.59	14.633	1.70	20.63	0.68
2.650	0.74	8.650	1.59	14.650	1.70	20.65	0.68
2.667	0.74	8.667	1.59	14.667	1.70	20.67	0.68
2.683	0.74	8.683	1.59	14.683	1.70	20.68	0.68
2.700	0.74	8.700	1.59	14.700	1.70	20.70	0.68
2.717	0.74	8.717	1.59	14.717	1.70	20.72	0.68
2.733	0.74	8.733	1.59	14.733	1.70	20.73	0.68
2.750	0.74	8.750	1.59	14.750	1.70	20.75	0.68
2.767	0.74	8.767	1.59	14.767	1.70	20.77	0.68
2.783	0.74	8.783	1.59	14.783	1.70	20.78	0.68
2.800	0.74	8.800	1.59	14.800	1.70	20.80	0.68
2.817	0.74	8.817	1.59	14.817	1.70	20.82	0.68
2.833	0.74	8.833	1.59	14.833	1.70	20.83	0.68
2.850	0.74	8.850	1.59	14.850	1.70	20.85	0.68
2.867	0.74	8.867	1.59	14.867	1.70	20.87	0.68
2.883	0.74	8.883	1.59	14.883	1.70	20.88	0.68
2.900	0.74	8.900	1.59	14.900	1.70	20.90	0.68
2.917	0.74	8.917	1.59	14.917	1.70	20.92	0.68
2.933	0.74	8.933	1.59	14.933	1.70	20.93	0.68
2.950	0.74	8.950	1.59	14.950	1.70	20.95	0.68
2.967	0.74	8.967	1.59	14.967	1.70	20.97	0.68
2.983	0.74	8.983	1.59	14.983	1.70	20.98	0.68
3.000	0.74	9.000	1.59	15.000	1.70	21.00	0.68
3.017	0.74	9.017	1.81	15.017	1.70	21.02	0.68
3.033	0.74	9.033	1.81	15.033	1.70	21.03	0.68
3.050	0.74	9.050	1.81	15.050	1.70	21.05	0.68
3.067	0.74	9.067	1.81	15.067	1.70	21.07	0.68
3.083	0.74	9.083	1.81	15.083	1.70	21.08	0.68
3.100	0.74	9.100	1.81	15.100	1.70	21.10	0.68
3.117	0.74	9.117	1.81	15.117	1.70	21.12	0.68
3.133	0.74	9.133	1.81	15.133	1.70	21.13	0.68
3.150	0.74	9.150	1.81	15.150	1.70	21.15	0.68
3.167	0.74	9.167	1.81	15.167	1.70	21.17	0.68
3.183	0.74	9.183	1.81	15.183	1.70	21.18	0.68
3.200	0.74	9.200	1.81	15.200	1.70	21.20	0.68
3.217	0.74	9.217	1.81	15.217	1.70	21.22	0.68
3.233	0.74	9.233	1.81	15.233	1.70	21.23	0.68
3.250	0.74	9.250	1.81	15.250	1.70	21.25	0.68
3.267	0.74	9.267	1.81	15.267	1.70	21.27	0.68
3.283	0.74	9.283	1.81	15.283	1.70	21.28	0.68
3.300	0.74	9.300	1.81	15.300	1.70	21.30	0.68
3.317	0.74	9.317	1.81	15.317	1.70	21.32	0.68
3.333	0.74	9.333	1.81	15.333	1.70	21.33	0.68
3.350	0.74	9.350	1.81	15.350	1.70	21.35	0.68
3.367	0.74	9.367	1.81	15.367	1.70	21.37	0.68
3.383	0.74	9.383	1.81	15.383	1.70	21.38	0.68
3.400	0.74	9.400	1.81	15.400	1.70	21.40	0.68
3.417	0.74	9.417	1.81	15.417	1.70	21.42	0.68
3.433	0.74	9.433	1.81	15.433	1.70	21.43	0.68
3.450	0.74	9.450	1.81	15.450	1.70	21.45	0.68
3.467	0.74	9.467	1.81	15.467	1.70	21.47	0.68
3.483	0.74	9.483	1.81	15.483	1.70	21.48	0.68
3.500	0.74	9.500	1.81	15.500	1.70	21.50	0.68
3.517	0.74	9.517	2.04	15.517	1.70	21.52	0.68
3.533	0.74	9.533	2.04	15.533	1.70	21.53	0.68
3.550	0.74	9.550	2.04	15.550	1.70	21.55	0.68
3.567	0.74	9.567	2.04	15.567	1.70	21.57	0.68
3.583	0.74	9.583	2.04	15.583	1.70	21.58	0.68
3.600	0.74	9.600	2.04	15.600	1.70	21.60	0.68
3.617	0.74	9.617	2.04	15.617	1.70	21.62	0.68
3.633	0.74	9.633	2.04	15.633	1.70	21.63	0.68
3.650	0.74	9.650	2.04	15.650	1.70	21.65	0.68
3.667	0.74	9.667	2.04	15.667	1.70	21.67	0.68
3.683	0.74	9.683	2.04	15.683	1.70	21.68	0.68
3.700	0.74	9.700	2.04	15.700	1.70	21.70	0.68
3.717	0.74	9.717	2.04	15.717	1.70	21.72	0.68
3.733	0.74	9.733	2.04	15.733	1.70	21.73	0.68
3.750	0.74	9.750	2.04	15.750	1.70	21.75	0.68
3.767	0.74	9.767	2.04	15.767	1.70	21.77	0.68
3.783	0.74	9.783	2.04	15.783	1.70	21.78	0.68
3.800	0.74	9.800	2.04	15.800	1.70	21.80	0.68
3.817	0.74	9.817	2.04	15.817	1.70	21.82	0.68
3.833	0.74	9.833	2.04	15.833	1.70	21.83	0.68
3.850	0.74	9.850	2.04	15.850	1.70	21.85	0.68
3.867	0.74	9.867	2.04	15.867	1.70	21.87	0.68
3.883	0.74	9.883	2.04	15.883	1.70	21.88	0.68
3.900	0.74	9.900	2.04	15.900	1.70	21.90	0.68
3.917	0.74	9.917	2.04	15.917	1.70	21.92	0.68
3.933	0.74	9.933	2.04	15.933	1.70	21.93	0.68
3.950	0.74	9.950	2.04	15.950	1.70	21.95	0.68

3.967	0.74	9.967	2.04	15.967	1.70	21.97	0.68
3.983	0.74	9.983	2.04	15.983	1.70	21.98	0.68
4.000	0.74	10.000	2.04	16.000	1.70	22.00	0.68
4.017	0.91	10.017	2.61	16.017	1.02	22.02	0.68
4.033	0.91	10.033	2.61	16.033	1.02	22.03	0.68
4.050	0.91	10.050	2.61	16.050	1.02	22.05	0.68
4.067	0.91	10.067	2.61	16.067	1.02	22.07	0.68
4.083	0.91	10.083	2.61	16.083	1.02	22.08	0.68
4.100	0.91	10.100	2.61	16.100	1.02	22.10	0.68
4.117	0.91	10.117	2.61	16.117	1.02	22.12	0.68
4.133	0.91	10.133	2.61	16.133	1.02	22.13	0.68
4.150	0.91	10.150	2.61	16.150	1.02	22.15	0.68
4.167	0.91	10.167	2.61	16.167	1.02	22.17	0.68
4.183	0.91	10.183	2.61	16.183	1.02	22.18	0.68
4.200	0.91	10.200	2.61	16.200	1.02	22.20	0.68
4.217	0.91	10.217	2.61	16.217	1.02	22.22	0.68
4.233	0.91	10.233	2.61	16.233	1.02	22.23	0.68
4.250	0.91	10.250	2.61	16.250	1.02	22.25	0.68
4.267	0.91	10.267	2.61	16.267	1.02	22.27	0.68
4.283	0.91	10.283	2.61	16.283	1.02	22.28	0.68
4.300	0.91	10.300	2.61	16.300	1.02	22.30	0.68
4.317	0.91	10.317	2.61	16.317	1.02	22.32	0.68
4.333	0.91	10.333	2.61	16.333	1.02	22.33	0.68
4.350	0.91	10.350	2.61	16.350	1.02	22.35	0.68
4.367	0.91	10.367	2.61	16.367	1.02	22.37	0.68
4.383	0.91	10.383	2.61	16.383	1.02	22.38	0.68
4.400	0.91	10.400	2.61	16.400	1.02	22.40	0.68
4.417	0.91	10.417	2.61	16.417	1.02	22.42	0.68
4.433	0.91	10.433	2.61	16.433	1.02	22.43	0.68
4.450	0.91	10.450	2.61	16.450	1.02	22.45	0.68
4.467	0.91	10.467	2.61	16.467	1.02	22.47	0.68
4.483	0.91	10.483	2.61	16.483	1.02	22.48	0.68
4.500	0.91	10.500	2.61	16.500	1.02	22.50	0.68
4.517	0.91	10.517	3.51	16.517	1.02	22.52	0.68
4.533	0.91	10.533	3.51	16.533	1.02	22.53	0.68
4.550	0.91	10.550	3.51	16.550	1.02	22.55	0.68
4.567	0.91	10.567	3.51	16.567	1.02	22.57	0.68
4.583	0.91	10.583	3.51	16.583	1.02	22.58	0.68
4.600	0.91	10.600	3.51	16.600	1.02	22.60	0.68
4.617	0.91	10.617	3.51	16.617	1.02	22.62	0.68
4.633	0.91	10.633	3.51	16.633	1.02	22.63	0.68
4.650	0.91	10.650	3.51	16.650	1.02	22.65	0.68
4.667	0.91	10.667	3.51	16.667	1.02	22.67	0.68
4.683	0.91	10.683	3.51	16.683	1.02	22.68	0.68
4.700	0.91	10.700	3.51	16.700	1.02	22.70	0.68
4.717	0.91	10.717	3.51	16.717	1.02	22.72	0.68
4.733	0.91	10.733	3.51	16.733	1.02	22.73	0.68
4.750	0.91	10.750	3.51	16.750	1.02	22.75	0.68
4.767	0.91	10.767	3.51	16.767	1.02	22.77	0.68
4.783	0.91	10.783	3.51	16.783	1.02	22.78	0.68
4.800	0.91	10.800	3.51	16.800	1.02	22.80	0.68
4.817	0.91	10.817	3.51	16.817	1.02	22.82	0.68
4.833	0.91	10.833	3.51	16.833	1.02	22.83	0.68
4.850	0.91	10.850	3.51	16.850	1.02	22.85	0.68
4.867	0.91	10.867	3.51	16.867	1.02	22.87	0.68
4.883	0.91	10.883	3.51	16.883	1.02	22.88	0.68
4.900	0.91	10.900	3.51	16.900	1.02	22.90	0.68
4.917	0.91	10.917	3.51	16.917	1.02	22.92	0.68
4.933	0.91	10.933	3.51	16.933	1.02	22.93	0.68
4.950	0.91	10.950	3.51	16.950	1.02	22.95	0.68
4.967	0.91	10.967	3.51	16.967	1.02	22.97	0.68
4.983	0.91	10.983	3.51	16.983	1.02	22.98	0.68
5.000	0.91	11.000	3.51	17.000	1.02	23.00	0.68
5.017	0.91	11.017	5.44	17.017	1.02	23.02	0.68
5.033	0.91	11.033	5.44	17.033	1.02	23.03	0.68
5.050	0.91	11.050	5.44	17.050	1.02	23.05	0.68
5.067	0.91	11.067	5.44	17.067	1.02	23.07	0.68
5.083	0.91	11.083	5.44	17.083	1.02	23.08	0.68
5.100	0.91	11.100	5.44	17.100	1.02	23.10	0.68
5.117	0.91	11.117	5.44	17.117	1.02	23.12	0.68
5.133	0.91	11.133	5.44	17.133	1.02	23.13	0.68
5.150	0.91	11.150	5.44	17.150	1.02	23.15	0.68
5.167	0.91	11.167	5.44	17.167	1.02	23.17	0.68
5.183	0.91	11.183	5.44	17.183	1.02	23.18	0.68
5.200	0.91	11.200	5.44	17.200	1.02	23.20	0.68
5.217	0.91	11.217	5.44	17.217	1.02	23.22	0.68
5.233	0.91	11.233	5.44	17.233	1.02	23.23	0.68
5.250	0.91	11.250	5.44	17.250	1.02	23.25	0.68
5.267	0.91	11.267	5.44	17.267	1.02	23.27	0.68
5.283	0.91	11.283	5.44	17.283	1.02	23.28	0.68
5.300	0.91	11.300	5.44	17.300	1.02	23.30	0.68
5.317	0.91	11.317	5.44	17.317	1.02	23.32	0.68
5.333	0.91	11.333	5.44	17.333	1.02	23.33	0.68
5.350	0.91	11.350	5.44	17.350	1.02	23.35	0.68

5.367	0.91	11.367	5.44	17.367	1.02	23.37	0.68
5.383	0.91	11.383	5.44	17.383	1.02	23.38	0.68
5.400	0.91	11.400	5.44	17.400	1.02	23.40	0.68
5.417	0.91	11.417	5.44	17.417	1.02	23.42	0.68
5.433	0.91	11.433	5.44	17.433	1.02	23.43	0.68
5.450	0.91	11.450	5.44	17.450	1.02	23.45	0.68
5.467	0.91	11.467	5.44	17.467	1.02	23.47	0.68
5.483	0.91	11.483	5.44	17.483	1.02	23.48	0.68
5.500	0.91	11.500	5.44	17.500	1.02	23.50	0.68
5.517	0.91	11.517	16.77	17.517	1.02	23.52	0.68
5.533	0.91	11.533	16.77	17.533	1.02	23.53	0.68
5.550	0.91	11.550	16.77	17.550	1.02	23.55	0.68
5.567	0.91	11.567	16.77	17.567	1.02	23.57	0.68
5.583	0.91	11.583	16.77	17.583	1.02	23.58	0.68
5.600	0.91	11.600	16.77	17.600	1.02	23.60	0.68
5.617	0.91	11.617	16.77	17.617	1.02	23.62	0.68
5.633	0.91	11.633	16.77	17.633	1.02	23.63	0.68
5.650	0.91	11.650	16.77	17.650	1.02	23.65	0.68
5.667	0.91	11.667	16.77	17.667	1.02	23.67	0.68
5.683	0.91	11.683	16.77	17.683	1.02	23.68	0.68
5.700	0.91	11.700	16.77	17.700	1.02	23.70	0.68
5.717	0.91	11.717	16.77	17.717	1.02	23.72	0.68
5.733	0.91	11.733	16.77	17.733	1.02	23.73	0.68
5.750	0.91	11.750	16.77	17.750	1.02	23.75	0.68
5.767	0.91	11.767	69.33	17.767	1.02	23.77	0.68
5.783	0.91	11.783	69.35	17.783	1.02	23.78	0.68
5.800	0.91	11.800	69.35	17.800	1.02	23.80	0.68
5.817	0.91	11.817	69.35	17.817	1.02	23.82	0.68
5.833	0.91	11.833	69.35	17.833	1.02	23.83	0.68
5.850	0.91	11.850	69.35	17.850	1.02	23.85	0.68
5.867	0.91	11.867	69.35	17.867	1.02	23.87	0.68
5.883	0.91	11.883	69.35	17.883	1.02	23.88	0.68
5.900	0.91	11.900	69.35	17.900	1.02	23.90	0.68
5.917	0.91	11.917	69.35	17.917	1.02	23.92	0.68
5.933	0.91	11.933	69.35	17.933	1.02	23.93	0.68
5.950	0.91	11.950	69.35	17.950	1.02	23.95	0.68
5.967	0.91	11.967	69.35	17.967	1.02	23.97	0.68
5.983	0.91	11.983	69.35	17.983	1.02	23.98	0.68
6.000	0.91	12.000	69.35	18.000	1.02	24.00	0.68

Max.Eff.Inten.(mm/hr)=	69.35	14.41	
over (min)	5.00	8.00	
Storage Coeff. (min)=	0.96 (ii)	7.34 (ii)	
Unit Hyd. Tpeak (min)=	5.00	8.00	
Unit Hyd. peak (cms)=	0.48	0.15	
			TOTALS
PEAK FLOW (cms)=	0.03	0.00	0.028 (iii)
TIME TO PEAK (hrs)=	12.00	12.05	12.00
RUNOFF VOLUME (mm)=	54.66	9.96	39.00
TOTAL RAINFALL (mm)=	56.66	56.66	56.66
RUNOFF COEFFICIENT =	0.96	0.18	0.69

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
 (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
 (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0001):	19.50	0.086	14.05	22.37
+ ID2= 2 (0202):	0.21	0.028	12.00	39.00
=====				
ID = 3 (0015):	19.71	0.087	14.00	22.55

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:4.2 SCS II 24hr 5yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData\Local\Temp\ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\396bca77
Ptotal= 73.69 mm	Comments: SCS 24 HOUR TYPE II STORM DISTRIBUTION 1
Duration of storm = 24.00 hrs	
Mass curve time step = 15.00 min	

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.81	6.00	1.33	12.00	10.61	18.00	1.33
0.25	0.81	6.25	1.33	12.25	10.61	18.25	1.33
0.50	0.81	6.50	1.33	12.50	5.45	18.50	1.33
0.75	0.81	6.75	1.33	12.75	5.45	18.75	1.33
1.00	0.81	7.00	1.62	13.00	3.98	19.00	1.33
1.25	0.81	7.25	1.62	13.25	3.98	19.25	1.33
1.50	0.81	7.50	1.62	13.50	3.09	19.50	1.33
1.75	0.81	7.75	1.62	13.75	3.09	19.75	1.33
2.00	0.96	8.00	1.92	14.00	2.21	20.00	0.88
2.25	0.96	8.25	1.92	14.25	2.21	20.25	0.88
2.50	0.96	8.50	2.06	14.50	2.21	20.50	0.88
2.75	0.96	8.75	2.06	14.75	2.21	20.75	0.88
3.00	0.96	9.00	2.36	15.00	2.21	21.00	0.88
3.25	0.96	9.25	2.36	15.25	2.21	21.25	0.88
3.50	0.96	9.50	2.65	15.50	2.21	21.50	0.88
3.75	0.96	9.75	2.65	15.75	2.21	21.75	0.88
4.00	1.18	10.00	3.39	16.00	1.33	22.00	0.88
4.25	1.18	10.25	3.39	16.25	1.33	22.25	0.88
4.50	1.18	10.50	4.57	16.50	1.33	22.50	0.88
4.75	1.18	10.75	4.57	16.75	1.33	22.75	0.88
5.00	1.18	11.00	7.07	17.00	1.33	23.00	0.88
5.25	1.18	11.25	7.07	17.25	1.33	23.25	0.88
5.50	1.18	11.50	21.81	17.50	1.33	23.50	0.88
5.75	1.18	11.75	90.20	17.75	1.33	23.75	0.88

CALIB	Area (ha)= 19.50	
STANDHYD (0201)	Total Imp(%)= 62.00	Dir. Conn.(%)= 48.00
ID= 1 DT= 1.0 min		

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	12.09	7.41
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	298.34	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.81	6.017	1.33	12.017	10.67	18.02	1.33
0.033	0.81	6.033	1.33	12.033	10.61	18.03	1.33
0.050	0.81	6.050	1.33	12.050	10.61	18.05	1.33
0.067	0.81	6.067	1.33	12.067	10.61	18.07	1.33
0.083	0.81	6.083	1.33	12.083	10.61	18.08	1.33
0.100	0.81	6.100	1.33	12.100	10.61	18.10	1.33
0.117	0.81	6.117	1.33	12.117	10.61	18.12	1.33
0.133	0.81	6.133	1.33	12.133	10.61	18.13	1.33
0.150	0.81	6.150	1.33	12.150	10.61	18.15	1.33
0.167	0.81	6.167	1.33	12.167	10.61	18.17	1.33
0.183	0.81	6.183	1.33	12.183	10.61	18.18	1.33
0.200	0.81	6.200	1.33	12.200	10.61	18.20	1.33
0.217	0.81	6.217	1.33	12.217	10.61	18.22	1.33
0.233	0.81	6.233	1.33	12.233	10.61	18.23	1.33
0.250	0.81	6.250	1.33	12.250	10.61	18.25	1.33
0.267	0.81	6.267	1.33	12.267	10.61	18.27	1.33
0.283	0.81	6.283	1.33	12.283	10.61	18.28	1.33
0.300	0.81	6.300	1.33	12.300	10.61	18.30	1.33
0.317	0.81	6.317	1.33	12.317	10.61	18.32	1.33
0.333	0.81	6.333	1.33	12.333	10.61	18.33	1.33
0.350	0.81	6.350	1.33	12.350	10.61	18.35	1.33
0.367	0.81	6.367	1.33	12.367	10.61	18.37	1.33
0.383	0.81	6.383	1.33	12.383	10.61	18.38	1.33
0.400	0.81	6.400	1.33	12.400	10.61	18.40	1.33
0.417	0.81	6.417	1.33	12.417	10.61	18.42	1.33
0.433	0.81	6.433	1.33	12.433	10.61	18.43	1.33
0.450	0.81	6.450	1.33	12.450	10.61	18.45	1.33
0.467	0.81	6.467	1.33	12.467	10.61	18.47	1.33
0.483	0.81	6.483	1.33	12.483	10.61	18.48	1.33
0.500	0.81	6.500	1.33	12.500	10.61	18.50	1.33
0.517	0.81	6.517	1.33	12.517	5.46	18.52	1.33
0.533	0.81	6.533	1.33	12.533	5.45	18.53	1.33
0.550	0.81	6.550	1.33	12.550	5.45	18.55	1.33
0.567	0.81	6.567	1.33	12.567	5.45	18.57	1.33
0.583	0.81	6.583	1.33	12.583	5.45	18.58	1.33
0.600	0.81	6.600	1.33	12.600	5.45	18.60	1.33
0.617	0.81	6.617	1.33	12.617	5.45	18.62	1.33

0.633	0.81	6.633	1.33	12.633	5.45	18.63	1.33
0.650	0.81	6.650	1.33	12.650	5.45	18.65	1.33
0.667	0.81	6.667	1.33	12.667	5.45	18.67	1.33
0.683	0.81	6.683	1.33	12.683	5.45	18.68	1.33
0.700	0.81	6.700	1.33	12.700	5.45	18.70	1.33
0.717	0.81	6.717	1.33	12.717	5.45	18.72	1.33
0.733	0.81	6.733	1.33	12.733	5.45	18.73	1.33
0.750	0.81	6.750	1.33	12.750	5.45	18.75	1.33
0.767	0.81	6.767	1.33	12.767	5.45	18.77	1.33
0.783	0.81	6.783	1.33	12.783	5.45	18.78	1.33
0.800	0.81	6.800	1.33	12.800	5.45	18.80	1.33
0.817	0.81	6.817	1.33	12.817	5.45	18.82	1.33
0.833	0.81	6.833	1.33	12.833	5.45	18.83	1.33
0.850	0.81	6.850	1.33	12.850	5.45	18.85	1.33
0.867	0.81	6.867	1.33	12.867	5.45	18.87	1.33
0.883	0.81	6.883	1.33	12.883	5.45	18.88	1.33
0.900	0.81	6.900	1.33	12.900	5.45	18.90	1.33
0.917	0.81	6.917	1.33	12.917	5.45	18.92	1.33
0.933	0.81	6.933	1.33	12.933	5.45	18.93	1.33
0.950	0.81	6.950	1.33	12.950	5.45	18.95	1.33
0.967	0.81	6.967	1.33	12.967	5.45	18.97	1.33
0.983	0.81	6.983	1.33	12.983	5.45	18.98	1.33
1.000	0.81	7.000	1.33	13.000	5.45	19.00	1.33
1.017	0.81	7.017	1.62	13.017	3.98	19.02	1.33
1.033	0.81	7.033	1.62	13.033	3.98	19.03	1.33
1.050	0.81	7.050	1.62	13.050	3.98	19.05	1.33
1.067	0.81	7.067	1.62	13.067	3.98	19.07	1.33
1.083	0.81	7.083	1.62	13.083	3.98	19.08	1.33
1.100	0.81	7.100	1.62	13.100	3.98	19.10	1.33
1.117	0.81	7.117	1.62	13.117	3.98	19.12	1.33
1.133	0.81	7.133	1.62	13.133	3.98	19.13	1.33
1.150	0.81	7.150	1.62	13.150	3.98	19.15	1.33
1.167	0.81	7.167	1.62	13.167	3.98	19.17	1.33
1.183	0.81	7.183	1.62	13.183	3.98	19.18	1.33
1.200	0.81	7.200	1.62	13.200	3.98	19.20	1.33
1.217	0.81	7.217	1.62	13.217	3.98	19.22	1.33
1.233	0.81	7.233	1.62	13.233	3.98	19.23	1.33
1.250	0.81	7.250	1.62	13.250	3.98	19.25	1.33
1.267	0.81	7.267	1.62	13.267	3.98	19.27	1.33
1.283	0.81	7.283	1.62	13.283	3.98	19.28	1.33
1.300	0.81	7.300	1.62	13.300	3.98	19.30	1.33
1.317	0.81	7.317	1.62	13.317	3.98	19.32	1.33
1.333	0.81	7.333	1.62	13.333	3.98	19.33	1.33
1.350	0.81	7.350	1.62	13.350	3.98	19.35	1.33
1.367	0.81	7.367	1.62	13.367	3.98	19.37	1.33
1.383	0.81	7.383	1.62	13.383	3.98	19.38	1.33
1.400	0.81	7.400	1.62	13.400	3.98	19.40	1.33
1.417	0.81	7.417	1.62	13.417	3.98	19.42	1.33
1.433	0.81	7.433	1.62	13.433	3.98	19.43	1.33
1.450	0.81	7.450	1.62	13.450	3.98	19.45	1.33
1.467	0.81	7.467	1.62	13.467	3.98	19.47	1.33
1.483	0.81	7.483	1.62	13.483	3.98	19.48	1.33
1.500	0.81	7.500	1.62	13.500	3.98	19.50	1.33
1.517	0.81	7.517	1.62	13.517	3.10	19.52	1.33
1.533	0.81	7.533	1.62	13.533	3.09	19.53	1.33
1.550	0.81	7.550	1.62	13.550	3.09	19.55	1.33
1.567	0.81	7.567	1.62	13.567	3.09	19.57	1.33
1.583	0.81	7.583	1.62	13.583	3.09	19.58	1.33
1.600	0.81	7.600	1.62	13.600	3.09	19.60	1.33
1.617	0.81	7.617	1.62	13.617	3.09	19.62	1.33
1.633	0.81	7.633	1.62	13.633	3.09	19.63	1.33
1.650	0.81	7.650	1.62	13.650	3.09	19.65	1.33
1.667	0.81	7.667	1.62	13.667	3.09	19.67	1.33
1.683	0.81	7.683	1.62	13.683	3.09	19.68	1.33
1.700	0.81	7.700	1.62	13.700	3.09	19.70	1.33
1.717	0.81	7.717	1.62	13.717	3.09	19.72	1.33
1.733	0.81	7.733	1.62	13.733	3.09	19.73	1.33
1.750	0.81	7.750	1.62	13.750	3.09	19.75	1.33
1.767	0.81	7.767	1.62	13.767	3.09	19.77	1.33
1.783	0.81	7.783	1.62	13.783	3.09	19.78	1.33
1.800	0.81	7.800	1.62	13.800	3.09	19.80	1.33
1.817	0.81	7.817	1.62	13.817	3.09	19.82	1.33
1.833	0.81	7.833	1.62	13.833	3.09	19.83	1.33
1.850	0.81	7.850	1.62	13.850	3.09	19.85	1.33
1.867	0.81	7.867	1.62	13.867	3.09	19.87	1.33
1.883	0.81	7.883	1.62	13.883	3.09	19.88	1.33
1.900	0.81	7.900	1.62	13.900	3.09	19.90	1.33
1.917	0.81	7.917	1.62	13.917	3.09	19.92	1.33
1.933	0.81	7.933	1.62	13.933	3.09	19.93	1.33
1.950	0.81	7.950	1.62	13.950	3.09	19.95	1.33
1.967	0.81	7.967	1.62	13.967	3.09	19.97	1.33
1.983	0.81	7.983	1.62	13.983	3.09	19.98	1.33
2.000	0.81	8.000	1.62	14.000	3.09	20.00	1.33
2.017	0.96	8.017	1.92	14.017	2.21	20.02	0.89

2.033	0.96	8.033	1.92	14.033	2.21	20.03	0.88
2.050	0.96	8.050	1.92	14.050	2.21	20.05	0.88
2.067	0.96	8.067	1.92	14.067	2.21	20.07	0.88
2.083	0.96	8.083	1.92	14.083	2.21	20.08	0.88
2.100	0.96	8.100	1.92	14.100	2.21	20.10	0.88
2.117	0.96	8.117	1.92	14.117	2.21	20.12	0.88
2.133	0.96	8.133	1.92	14.133	2.21	20.13	0.88
2.150	0.96	8.150	1.92	14.150	2.21	20.15	0.88
2.167	0.96	8.167	1.92	14.167	2.21	20.17	0.88
2.183	0.96	8.183	1.92	14.183	2.21	20.18	0.88
2.200	0.96	8.200	1.92	14.200	2.21	20.20	0.88
2.217	0.96	8.217	1.92	14.217	2.21	20.22	0.88
2.233	0.96	8.233	1.92	14.233	2.21	20.23	0.88
2.250	0.96	8.250	1.92	14.250	2.21	20.25	0.88
2.267	0.96	8.267	1.92	14.267	2.21	20.27	0.88
2.283	0.96	8.283	1.92	14.283	2.21	20.28	0.88
2.300	0.96	8.300	1.92	14.300	2.21	20.30	0.88
2.317	0.96	8.317	1.92	14.317	2.21	20.32	0.88
2.333	0.96	8.333	1.92	14.333	2.21	20.33	0.88
2.350	0.96	8.350	1.92	14.350	2.21	20.35	0.88
2.367	0.96	8.367	1.92	14.367	2.21	20.37	0.88
2.383	0.96	8.383	1.92	14.383	2.21	20.38	0.88
2.400	0.96	8.400	1.92	14.400	2.21	20.40	0.88
2.417	0.96	8.417	1.92	14.417	2.21	20.42	0.88
2.433	0.96	8.433	1.92	14.433	2.21	20.43	0.88
2.450	0.96	8.450	1.92	14.450	2.21	20.45	0.88
2.467	0.96	8.467	1.92	14.467	2.21	20.47	0.88
2.483	0.96	8.483	1.92	14.483	2.21	20.48	0.88
2.500	0.96	8.500	1.92	14.500	2.21	20.50	0.88
2.517	0.96	8.517	2.06	14.517	2.21	20.52	0.88
2.533	0.96	8.533	2.06	14.533	2.21	20.53	0.88
2.550	0.96	8.550	2.06	14.550	2.21	20.55	0.88
2.567	0.96	8.567	2.06	14.567	2.21	20.57	0.88
2.583	0.96	8.583	2.06	14.583	2.21	20.58	0.88
2.600	0.96	8.600	2.06	14.600	2.21	20.60	0.88
2.617	0.96	8.617	2.06	14.617	2.21	20.62	0.88
2.633	0.96	8.633	2.06	14.633	2.21	20.63	0.88
2.650	0.96	8.650	2.06	14.650	2.21	20.65	0.88
2.667	0.96	8.667	2.06	14.667	2.21	20.67	0.88
2.683	0.96	8.683	2.06	14.683	2.21	20.68	0.88
2.700	0.96	8.700	2.06	14.700	2.21	20.70	0.88
2.717	0.96	8.717	2.06	14.717	2.21	20.72	0.88
2.733	0.96	8.733	2.06	14.733	2.21	20.73	0.88
2.750	0.96	8.750	2.06	14.750	2.21	20.75	0.88
2.767	0.96	8.767	2.06	14.767	2.21	20.77	0.88
2.783	0.96	8.783	2.06	14.783	2.21	20.78	0.88
2.800	0.96	8.800	2.06	14.800	2.21	20.80	0.88
2.817	0.96	8.817	2.06	14.817	2.21	20.82	0.88
2.833	0.96	8.833	2.06	14.833	2.21	20.83	0.88
2.850	0.96	8.850	2.06	14.850	2.21	20.85	0.88
2.867	0.96	8.867	2.06	14.867	2.21	20.87	0.88
2.883	0.96	8.883	2.06	14.883	2.21	20.88	0.88
2.900	0.96	8.900	2.06	14.900	2.21	20.90	0.88
2.917	0.96	8.917	2.06	14.917	2.21	20.92	0.88
2.933	0.96	8.933	2.06	14.933	2.21	20.93	0.88
2.950	0.96	8.950	2.06	14.950	2.21	20.95	0.88
2.967	0.96	8.967	2.06	14.967	2.21	20.97	0.88
2.983	0.96	8.983	2.06	14.983	2.21	20.98	0.88
3.000	0.96	9.000	2.06	15.000	2.21	21.00	0.88
3.017	0.96	9.017	2.36	15.017	2.21	21.02	0.88
3.033	0.96	9.033	2.36	15.033	2.21	21.03	0.88
3.050	0.96	9.050	2.36	15.050	2.21	21.05	0.88
3.067	0.96	9.067	2.36	15.067	2.21	21.07	0.88
3.083	0.96	9.083	2.36	15.083	2.21	21.08	0.88
3.100	0.96	9.100	2.36	15.100	2.21	21.10	0.88
3.117	0.96	9.117	2.36	15.117	2.21	21.12	0.88
3.133	0.96	9.133	2.36	15.133	2.21	21.13	0.88
3.150	0.96	9.150	2.36	15.150	2.21	21.15	0.88
3.167	0.96	9.167	2.36	15.167	2.21	21.17	0.88
3.183	0.96	9.183	2.36	15.183	2.21	21.18	0.88
3.200	0.96	9.200	2.36	15.200	2.21	21.20	0.88
3.217	0.96	9.217	2.36	15.217	2.21	21.22	0.88
3.233	0.96	9.233	2.36	15.233	2.21	21.23	0.88
3.250	0.96	9.250	2.36	15.250	2.21	21.25	0.88
3.267	0.96	9.267	2.36	15.267	2.21	21.27	0.88
3.283	0.96	9.283	2.36	15.283	2.21	21.28	0.88
3.300	0.96	9.300	2.36	15.300	2.21	21.30	0.88
3.317	0.96	9.317	2.36	15.317	2.21	21.32	0.88
3.333	0.96	9.333	2.36	15.333	2.21	21.33	0.88
3.350	0.96	9.350	2.36	15.350	2.21	21.35	0.88
3.367	0.96	9.367	2.36	15.367	2.21	21.37	0.88
3.383	0.96	9.383	2.36	15.383	2.21	21.38	0.88
3.400	0.96	9.400	2.36	15.400	2.21	21.40	0.88
3.417	0.96	9.417	2.36	15.417	2.21	21.42	0.88

3.433	0.96	9.433	2.36	15.433	2.21	21.43	0.88
3.450	0.96	9.450	2.36	15.450	2.21	21.45	0.88
3.467	0.96	9.467	2.36	15.467	2.21	21.47	0.88
3.483	0.96	9.483	2.36	15.483	2.21	21.48	0.88
3.500	0.96	9.500	2.36	15.500	2.21	21.50	0.88
3.517	0.96	9.517	2.65	15.517	2.21	21.52	0.88
3.533	0.96	9.533	2.65	15.533	2.21	21.53	0.88
3.550	0.96	9.550	2.65	15.550	2.21	21.55	0.88
3.567	0.96	9.567	2.65	15.567	2.21	21.57	0.88
3.583	0.96	9.583	2.65	15.583	2.21	21.58	0.88
3.600	0.96	9.600	2.65	15.600	2.21	21.60	0.88
3.617	0.96	9.617	2.65	15.617	2.21	21.62	0.88
3.633	0.96	9.633	2.65	15.633	2.21	21.63	0.88
3.650	0.96	9.650	2.65	15.650	2.21	21.65	0.88
3.667	0.96	9.667	2.65	15.667	2.21	21.67	0.88
3.683	0.96	9.683	2.65	15.683	2.21	21.68	0.88
3.700	0.96	9.700	2.65	15.700	2.21	21.70	0.88
3.717	0.96	9.717	2.65	15.717	2.21	21.72	0.88
3.733	0.96	9.733	2.65	15.733	2.21	21.73	0.88
3.750	0.96	9.750	2.65	15.750	2.21	21.75	0.88
3.767	0.96	9.767	2.65	15.767	2.21	21.77	0.88
3.783	0.96	9.783	2.65	15.783	2.21	21.78	0.88
3.800	0.96	9.800	2.65	15.800	2.21	21.80	0.88
3.817	0.96	9.817	2.65	15.817	2.21	21.82	0.88
3.833	0.96	9.833	2.65	15.833	2.21	21.83	0.88
3.850	0.96	9.850	2.65	15.850	2.21	21.85	0.88
3.867	0.96	9.867	2.65	15.867	2.21	21.87	0.88
3.883	0.96	9.883	2.65	15.883	2.21	21.88	0.88
3.900	0.96	9.900	2.65	15.900	2.21	21.90	0.88
3.917	0.96	9.917	2.65	15.917	2.21	21.92	0.88
3.933	0.96	9.933	2.65	15.933	2.21	21.93	0.88
3.950	0.96	9.950	2.65	15.950	2.21	21.95	0.88
3.967	0.96	9.967	2.65	15.967	2.21	21.97	0.88
3.983	0.96	9.983	2.65	15.983	2.21	21.98	0.88
4.000	0.96	10.000	2.65	16.000	2.21	22.00	0.88
4.017	1.18	10.017	3.39	16.017	1.33	22.02	0.88
4.033	1.18	10.033	3.39	16.033	1.33	22.03	0.88
4.050	1.18	10.050	3.39	16.050	1.33	22.05	0.88
4.067	1.18	10.067	3.39	16.067	1.33	22.07	0.88
4.083	1.18	10.083	3.39	16.083	1.33	22.08	0.88
4.100	1.18	10.100	3.39	16.100	1.33	22.10	0.88
4.117	1.18	10.117	3.39	16.117	1.33	22.12	0.88
4.133	1.18	10.133	3.39	16.133	1.33	22.13	0.88
4.150	1.18	10.150	3.39	16.150	1.33	22.15	0.88
4.167	1.18	10.167	3.39	16.167	1.33	22.17	0.88
4.183	1.18	10.183	3.39	16.183	1.33	22.18	0.88
4.200	1.18	10.200	3.39	16.200	1.33	22.20	0.88
4.217	1.18	10.217	3.39	16.217	1.33	22.22	0.88
4.233	1.18	10.233	3.39	16.233	1.33	22.23	0.88
4.250	1.18	10.250	3.39	16.250	1.33	22.25	0.88
4.267	1.18	10.267	3.39	16.267	1.33	22.27	0.88
4.283	1.18	10.283	3.39	16.283	1.33	22.28	0.88
4.300	1.18	10.300	3.39	16.300	1.33	22.30	0.88
4.317	1.18	10.317	3.39	16.317	1.33	22.32	0.88
4.333	1.18	10.333	3.39	16.333	1.33	22.33	0.88
4.350	1.18	10.350	3.39	16.350	1.33	22.35	0.88
4.367	1.18	10.367	3.39	16.367	1.33	22.37	0.88
4.383	1.18	10.383	3.39	16.383	1.33	22.38	0.88
4.400	1.18	10.400	3.39	16.400	1.33	22.40	0.88
4.417	1.18	10.417	3.39	16.417	1.33	22.42	0.88
4.433	1.18	10.433	3.39	16.433	1.33	22.43	0.88
4.450	1.18	10.450	3.39	16.450	1.33	22.45	0.88
4.467	1.18	10.467	3.39	16.467	1.33	22.47	0.88
4.483	1.18	10.483	3.39	16.483	1.33	22.48	0.88
4.500	1.18	10.500	3.39	16.500	1.33	22.50	0.88
4.517	1.18	10.517	4.57	16.517	1.33	22.52	0.88
4.533	1.18	10.533	4.57	16.533	1.33	22.53	0.88
4.550	1.18	10.550	4.57	16.550	1.33	22.55	0.88
4.567	1.18	10.567	4.57	16.567	1.33	22.57	0.88
4.583	1.18	10.583	4.57	16.583	1.33	22.58	0.88
4.600	1.18	10.600	4.57	16.600	1.33	22.60	0.88
4.617	1.18	10.617	4.57	16.617	1.33	22.62	0.88
4.633	1.18	10.633	4.57	16.633	1.33	22.63	0.88
4.650	1.18	10.650	4.57	16.650	1.33	22.65	0.88
4.667	1.18	10.667	4.57	16.667	1.33	22.67	0.88
4.683	1.18	10.683	4.57	16.683	1.33	22.68	0.88
4.700	1.18	10.700	4.57	16.700	1.33	22.70	0.88
4.717	1.18	10.717	4.57	16.717	1.33	22.72	0.88
4.733	1.18	10.733	4.57	16.733	1.33	22.73	0.88
4.750	1.18	10.750	4.57	16.750	1.33	22.75	0.88
4.767	1.18	10.767	4.57	16.767	1.33	22.77	0.88
4.783	1.18	10.783	4.57	16.783	1.33	22.78	0.88
4.800	1.18	10.800	4.57	16.800	1.33	22.80	0.88
4.817	1.18	10.817	4.57	16.817	1.33	22.82	0.88

4.833	1.18	10.833	4.57	16.833	1.33	22.83	0.88
4.850	1.18	10.850	4.57	16.850	1.33	22.85	0.88
4.867	1.18	10.867	4.57	16.867	1.33	22.87	0.88
4.883	1.18	10.883	4.57	16.883	1.33	22.88	0.88
4.900	1.18	10.900	4.57	16.900	1.33	22.90	0.88
4.917	1.18	10.917	4.57	16.917	1.33	22.92	0.88
4.933	1.18	10.933	4.57	16.933	1.33	22.93	0.88
4.950	1.18	10.950	4.57	16.950	1.33	22.95	0.88
4.967	1.18	10.967	4.57	16.967	1.33	22.97	0.88
4.983	1.18	10.983	4.57	16.983	1.33	22.98	0.88
5.000	1.18	11.000	4.57	17.000	1.33	23.00	0.88
5.017	1.18	11.017	7.07	17.017	1.33	23.02	0.88
5.033	1.18	11.033	7.07	17.033	1.33	23.03	0.88
5.050	1.18	11.050	7.07	17.050	1.33	23.05	0.88
5.067	1.18	11.067	7.07	17.067	1.33	23.07	0.88
5.083	1.18	11.083	7.07	17.083	1.33	23.08	0.88
5.100	1.18	11.100	7.07	17.100	1.33	23.10	0.88
5.117	1.18	11.117	7.07	17.117	1.33	23.12	0.88
5.133	1.18	11.133	7.07	17.133	1.33	23.13	0.88
5.150	1.18	11.150	7.07	17.150	1.33	23.15	0.88
5.167	1.18	11.167	7.07	17.167	1.33	23.17	0.88
5.183	1.18	11.183	7.07	17.183	1.33	23.18	0.88
5.200	1.18	11.200	7.07	17.200	1.33	23.20	0.88
5.217	1.18	11.217	7.07	17.217	1.33	23.22	0.88
5.233	1.18	11.233	7.07	17.233	1.33	23.23	0.88
5.250	1.18	11.250	7.07	17.250	1.33	23.25	0.88
5.267	1.18	11.267	7.07	17.267	1.33	23.27	0.88
5.283	1.18	11.283	7.07	17.283	1.33	23.28	0.88
5.300	1.18	11.300	7.07	17.300	1.33	23.30	0.88
5.317	1.18	11.317	7.07	17.317	1.33	23.32	0.88
5.333	1.18	11.333	7.07	17.333	1.33	23.33	0.88
5.350	1.18	11.350	7.07	17.350	1.33	23.35	0.88
5.367	1.18	11.367	7.07	17.367	1.33	23.37	0.88
5.383	1.18	11.383	7.07	17.383	1.33	23.38	0.88
5.400	1.18	11.400	7.07	17.400	1.33	23.40	0.88
5.417	1.18	11.417	7.07	17.417	1.33	23.42	0.88
5.433	1.18	11.433	7.07	17.433	1.33	23.43	0.88
5.450	1.18	11.450	7.07	17.450	1.33	23.45	0.88
5.467	1.18	11.467	7.07	17.467	1.33	23.47	0.88
5.483	1.18	11.483	7.07	17.483	1.33	23.48	0.88
5.500	1.18	11.500	7.07	17.500	1.33	23.50	0.88
5.517	1.18	11.517	21.81	17.517	1.33	23.52	0.88
5.533	1.18	11.533	21.81	17.533	1.33	23.53	0.88
5.550	1.18	11.550	21.81	17.550	1.33	23.55	0.88
5.567	1.18	11.567	21.81	17.567	1.33	23.57	0.88
5.583	1.18	11.583	21.81	17.583	1.33	23.58	0.88
5.600	1.18	11.600	21.81	17.600	1.33	23.60	0.88
5.617	1.18	11.617	21.81	17.617	1.33	23.62	0.88
5.633	1.18	11.633	21.81	17.633	1.33	23.63	0.88
5.650	1.18	11.650	21.81	17.650	1.33	23.65	0.88
5.667	1.18	11.667	21.81	17.667	1.33	23.67	0.88
5.683	1.18	11.683	21.81	17.683	1.33	23.68	0.88
5.700	1.18	11.700	21.81	17.700	1.33	23.70	0.88
5.717	1.18	11.717	21.81	17.717	1.33	23.72	0.88
5.733	1.18	11.733	21.81	17.733	1.33	23.73	0.88
5.750	1.18	11.750	21.81	17.750	1.33	23.75	0.88
5.767	1.18	11.767	90.16	17.767	1.33	23.77	0.88
5.783	1.18	11.783	90.20	17.783	1.33	23.78	0.88
5.800	1.18	11.800	90.20	17.800	1.33	23.80	0.88
5.817	1.18	11.817	90.20	17.817	1.33	23.82	0.88
5.833	1.18	11.833	90.20	17.833	1.33	23.83	0.88
5.850	1.18	11.850	90.20	17.850	1.33	23.85	0.88
5.867	1.18	11.867	90.20	17.867	1.33	23.87	0.88
5.883	1.18	11.883	90.20	17.883	1.33	23.88	0.88
5.900	1.18	11.900	90.20	17.900	1.33	23.90	0.88
5.917	1.18	11.917	90.20	17.917	1.33	23.92	0.88
5.933	1.18	11.933	90.20	17.933	1.33	23.93	0.88
5.950	1.18	11.950	90.20	17.950	1.33	23.95	0.88
5.967	1.18	11.967	90.20	17.967	1.33	23.97	0.88
5.983	1.18	11.983	90.20	17.983	1.33	23.98	0.88
6.000	1.18	12.000	90.20	18.000	1.33	24.00	0.88

Max.Eff.Inten.(mm/hr)= 90.20 42.82
over (min) 5.00 12.00
Storage Coeff. (min)= 5.13 (ii) 11.83 (ii)
Unit Hyd. Tpeak (min)= 5.00 12.00
Unit Hyd. peak (cms)= 0.22 0.10

TOTALS

PEAK FLOW (cms)= 2.19 0.54 2.631 (iii)
TIME TO PEAK (hrs)= 12.00 12.10 12.02
RUNOFF VOLUME (mm)= 71.68 21.49 45.59
TOTAL RAINFALL (mm)= 73.69 73.69 73.69
RUNOFF COEFFICIENT = 0.97 0.29 0.62

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)		OVERFLOW IS OFF			
IN= 2---> OUT= 1					
DT= 5.0 min					
		OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
		0.0000	0.0000	0.1330	0.5200
		0.0380	0.2900	0.1650	0.5800
		0.0680	0.3850	0.2000	0.6300
		0.0940	0.4500	0.4800	1.1000
		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)		19.500	2.631	12.02	45.59
OUTFLOW: ID= 1 (0001)		19.500	0.157	13.50	33.40

PEAK FLOW REDUCTION [Qout/Qin](%)= 5.96
 TIME SHIFT OF PEAK FLOW (min)= 89.00
 MAXIMUM STORAGE USED (ha.m.)= 0.5646

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB					
STANDHYD (0202)					
ID= 1 DT= 1.0 min					
		Area (ha)=	0.21		
		Total Imp(%)=	65.00	Dir. Conn.(%)=	65.00
		IMPERVIOUS	PERVIOUS (i)		
Surface Area	(ha)=	0.14	0.07		
Dep. Storage	(mm)=	2.00	5.00		
Average slope	(%)=	1.00	2.00		
Length	(m)=	15.25	40.00		
Mannings n	=	0.013	0.250		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.81	6.017	1.33	12.017	10.67	18.02	1.33
0.033	0.81	6.033	1.33	12.033	10.61	18.03	1.33
0.050	0.81	6.050	1.33	12.050	10.61	18.05	1.33
0.067	0.81	6.067	1.33	12.067	10.61	18.07	1.33
0.083	0.81	6.083	1.33	12.083	10.61	18.08	1.33
0.100	0.81	6.100	1.33	12.100	10.61	18.10	1.33
0.117	0.81	6.117	1.33	12.117	10.61	18.12	1.33
0.133	0.81	6.133	1.33	12.133	10.61	18.13	1.33
0.150	0.81	6.150	1.33	12.150	10.61	18.15	1.33
0.167	0.81	6.167	1.33	12.167	10.61	18.17	1.33
0.183	0.81	6.183	1.33	12.183	10.61	18.18	1.33
0.200	0.81	6.200	1.33	12.200	10.61	18.20	1.33
0.217	0.81	6.217	1.33	12.217	10.61	18.22	1.33
0.233	0.81	6.233	1.33	12.233	10.61	18.23	1.33
0.250	0.81	6.250	1.33	12.250	10.61	18.25	1.33
0.267	0.81	6.267	1.33	12.267	10.61	18.27	1.33
0.283	0.81	6.283	1.33	12.283	10.61	18.28	1.33
0.300	0.81	6.300	1.33	12.300	10.61	18.30	1.33
0.317	0.81	6.317	1.33	12.317	10.61	18.32	1.33
0.333	0.81	6.333	1.33	12.333	10.61	18.33	1.33
0.350	0.81	6.350	1.33	12.350	10.61	18.35	1.33
0.367	0.81	6.367	1.33	12.367	10.61	18.37	1.33
0.383	0.81	6.383	1.33	12.383	10.61	18.38	1.33
0.400	0.81	6.400	1.33	12.400	10.61	18.40	1.33
0.417	0.81	6.417	1.33	12.417	10.61	18.42	1.33
0.433	0.81	6.433	1.33	12.433	10.61	18.43	1.33
0.450	0.81	6.450	1.33	12.450	10.61	18.45	1.33
0.467	0.81	6.467	1.33	12.467	10.61	18.47	1.33
0.483	0.81	6.483	1.33	12.483	10.61	18.48	1.33
0.500	0.81	6.500	1.33	12.500	10.61	18.50	1.33
0.517	0.81	6.517	1.33	12.517	5.46	18.52	1.33
0.533	0.81	6.533	1.33	12.533	5.45	18.53	1.33
0.550	0.81	6.550	1.33	12.550	5.45	18.55	1.33
0.567	0.81	6.567	1.33	12.567	5.45	18.57	1.33
0.583	0.81	6.583	1.33	12.583	5.45	18.58	1.33
0.600	0.81	6.600	1.33	12.600	5.45	18.60	1.33
0.617	0.81	6.617	1.33	12.617	5.45	18.62	1.33

0.633	0.81	6.633	1.33	12.633	5.45	18.63	1.33
0.650	0.81	6.650	1.33	12.650	5.45	18.65	1.33
0.667	0.81	6.667	1.33	12.667	5.45	18.67	1.33
0.683	0.81	6.683	1.33	12.683	5.45	18.68	1.33
0.700	0.81	6.700	1.33	12.700	5.45	18.70	1.33
0.717	0.81	6.717	1.33	12.717	5.45	18.72	1.33
0.733	0.81	6.733	1.33	12.733	5.45	18.73	1.33
0.750	0.81	6.750	1.33	12.750	5.45	18.75	1.33
0.767	0.81	6.767	1.33	12.767	5.45	18.77	1.33
0.783	0.81	6.783	1.33	12.783	5.45	18.78	1.33
0.800	0.81	6.800	1.33	12.800	5.45	18.80	1.33
0.817	0.81	6.817	1.33	12.817	5.45	18.82	1.33
0.833	0.81	6.833	1.33	12.833	5.45	18.83	1.33
0.850	0.81	6.850	1.33	12.850	5.45	18.85	1.33
0.867	0.81	6.867	1.33	12.867	5.45	18.87	1.33
0.883	0.81	6.883	1.33	12.883	5.45	18.88	1.33
0.900	0.81	6.900	1.33	12.900	5.45	18.90	1.33
0.917	0.81	6.917	1.33	12.917	5.45	18.92	1.33
0.933	0.81	6.933	1.33	12.933	5.45	18.93	1.33
0.950	0.81	6.950	1.33	12.950	5.45	18.95	1.33
0.967	0.81	6.967	1.33	12.967	5.45	18.97	1.33
0.983	0.81	6.983	1.33	12.983	5.45	18.98	1.33
1.000	0.81	7.000	1.33	13.000	5.45	19.00	1.33
1.017	0.81	7.017	1.62	13.017	3.98	19.02	1.33
1.033	0.81	7.033	1.62	13.033	3.98	19.03	1.33
1.050	0.81	7.050	1.62	13.050	3.98	19.05	1.33
1.067	0.81	7.067	1.62	13.067	3.98	19.07	1.33
1.083	0.81	7.083	1.62	13.083	3.98	19.08	1.33
1.100	0.81	7.100	1.62	13.100	3.98	19.10	1.33
1.117	0.81	7.117	1.62	13.117	3.98	19.12	1.33
1.133	0.81	7.133	1.62	13.133	3.98	19.13	1.33
1.150	0.81	7.150	1.62	13.150	3.98	19.15	1.33
1.167	0.81	7.167	1.62	13.167	3.98	19.17	1.33
1.183	0.81	7.183	1.62	13.183	3.98	19.18	1.33
1.200	0.81	7.200	1.62	13.200	3.98	19.20	1.33
1.217	0.81	7.217	1.62	13.217	3.98	19.22	1.33
1.233	0.81	7.233	1.62	13.233	3.98	19.23	1.33
1.250	0.81	7.250	1.62	13.250	3.98	19.25	1.33
1.267	0.81	7.267	1.62	13.267	3.98	19.27	1.33
1.283	0.81	7.283	1.62	13.283	3.98	19.28	1.33
1.300	0.81	7.300	1.62	13.300	3.98	19.30	1.33
1.317	0.81	7.317	1.62	13.317	3.98	19.32	1.33
1.333	0.81	7.333	1.62	13.333	3.98	19.33	1.33
1.350	0.81	7.350	1.62	13.350	3.98	19.35	1.33
1.367	0.81	7.367	1.62	13.367	3.98	19.37	1.33
1.383	0.81	7.383	1.62	13.383	3.98	19.38	1.33
1.400	0.81	7.400	1.62	13.400	3.98	19.40	1.33
1.417	0.81	7.417	1.62	13.417	3.98	19.42	1.33
1.433	0.81	7.433	1.62	13.433	3.98	19.43	1.33
1.450	0.81	7.450	1.62	13.450	3.98	19.45	1.33
1.467	0.81	7.467	1.62	13.467	3.98	19.47	1.33
1.483	0.81	7.483	1.62	13.483	3.98	19.48	1.33
1.500	0.81	7.500	1.62	13.500	3.98	19.50	1.33
1.517	0.81	7.517	1.62	13.517	3.10	19.52	1.33
1.533	0.81	7.533	1.62	13.533	3.09	19.53	1.33
1.550	0.81	7.550	1.62	13.550	3.09	19.55	1.33
1.567	0.81	7.567	1.62	13.567	3.09	19.57	1.33
1.583	0.81	7.583	1.62	13.583	3.09	19.58	1.33
1.600	0.81	7.600	1.62	13.600	3.09	19.60	1.33
1.617	0.81	7.617	1.62	13.617	3.09	19.62	1.33
1.633	0.81	7.633	1.62	13.633	3.09	19.63	1.33
1.650	0.81	7.650	1.62	13.650	3.09	19.65	1.33
1.667	0.81	7.667	1.62	13.667	3.09	19.67	1.33
1.683	0.81	7.683	1.62	13.683	3.09	19.68	1.33
1.700	0.81	7.700	1.62	13.700	3.09	19.70	1.33
1.717	0.81	7.717	1.62	13.717	3.09	19.72	1.33
1.733	0.81	7.733	1.62	13.733	3.09	19.73	1.33
1.750	0.81	7.750	1.62	13.750	3.09	19.75	1.33
1.767	0.81	7.767	1.62	13.767	3.09	19.77	1.33
1.783	0.81	7.783	1.62	13.783	3.09	19.78	1.33
1.800	0.81	7.800	1.62	13.800	3.09	19.80	1.33
1.817	0.81	7.817	1.62	13.817	3.09	19.82	1.33
1.833	0.81	7.833	1.62	13.833	3.09	19.83	1.33
1.850	0.81	7.850	1.62	13.850	3.09	19.85	1.33
1.867	0.81	7.867	1.62	13.867	3.09	19.87	1.33
1.883	0.81	7.883	1.62	13.883	3.09	19.88	1.33
1.900	0.81	7.900	1.62	13.900	3.09	19.90	1.33
1.917	0.81	7.917	1.62	13.917	3.09	19.92	1.33
1.933	0.81	7.933	1.62	13.933	3.09	19.93	1.33
1.950	0.81	7.950	1.62	13.950	3.09	19.95	1.33
1.967	0.81	7.967	1.62	13.967	3.09	19.97	1.33
1.983	0.81	7.983	1.62	13.983	3.09	19.98	1.33
2.000	0.81	8.000	1.62	14.000	3.09	20.00	1.33
2.017	0.96	8.017	1.92	14.017	2.21	20.02	0.89

2.033	0.96	8.033	1.92	14.033	2.21	20.03	0.88
2.050	0.96	8.050	1.92	14.050	2.21	20.05	0.88
2.067	0.96	8.067	1.92	14.067	2.21	20.07	0.88
2.083	0.96	8.083	1.92	14.083	2.21	20.08	0.88
2.100	0.96	8.100	1.92	14.100	2.21	20.10	0.88
2.117	0.96	8.117	1.92	14.117	2.21	20.12	0.88
2.133	0.96	8.133	1.92	14.133	2.21	20.13	0.88
2.150	0.96	8.150	1.92	14.150	2.21	20.15	0.88
2.167	0.96	8.167	1.92	14.167	2.21	20.17	0.88
2.183	0.96	8.183	1.92	14.183	2.21	20.18	0.88
2.200	0.96	8.200	1.92	14.200	2.21	20.20	0.88
2.217	0.96	8.217	1.92	14.217	2.21	20.22	0.88
2.233	0.96	8.233	1.92	14.233	2.21	20.23	0.88
2.250	0.96	8.250	1.92	14.250	2.21	20.25	0.88
2.267	0.96	8.267	1.92	14.267	2.21	20.27	0.88
2.283	0.96	8.283	1.92	14.283	2.21	20.28	0.88
2.300	0.96	8.300	1.92	14.300	2.21	20.30	0.88
2.317	0.96	8.317	1.92	14.317	2.21	20.32	0.88
2.333	0.96	8.333	1.92	14.333	2.21	20.33	0.88
2.350	0.96	8.350	1.92	14.350	2.21	20.35	0.88
2.367	0.96	8.367	1.92	14.367	2.21	20.37	0.88
2.383	0.96	8.383	1.92	14.383	2.21	20.38	0.88
2.400	0.96	8.400	1.92	14.400	2.21	20.40	0.88
2.417	0.96	8.417	1.92	14.417	2.21	20.42	0.88
2.433	0.96	8.433	1.92	14.433	2.21	20.43	0.88
2.450	0.96	8.450	1.92	14.450	2.21	20.45	0.88
2.467	0.96	8.467	1.92	14.467	2.21	20.47	0.88
2.483	0.96	8.483	1.92	14.483	2.21	20.48	0.88
2.500	0.96	8.500	1.92	14.500	2.21	20.50	0.88
2.517	0.96	8.517	2.06	14.517	2.21	20.52	0.88
2.533	0.96	8.533	2.06	14.533	2.21	20.53	0.88
2.550	0.96	8.550	2.06	14.550	2.21	20.55	0.88
2.567	0.96	8.567	2.06	14.567	2.21	20.57	0.88
2.583	0.96	8.583	2.06	14.583	2.21	20.58	0.88
2.600	0.96	8.600	2.06	14.600	2.21	20.60	0.88
2.617	0.96	8.617	2.06	14.617	2.21	20.62	0.88
2.633	0.96	8.633	2.06	14.633	2.21	20.63	0.88
2.650	0.96	8.650	2.06	14.650	2.21	20.65	0.88
2.667	0.96	8.667	2.06	14.667	2.21	20.67	0.88
2.683	0.96	8.683	2.06	14.683	2.21	20.68	0.88
2.700	0.96	8.700	2.06	14.700	2.21	20.70	0.88
2.717	0.96	8.717	2.06	14.717	2.21	20.72	0.88
2.733	0.96	8.733	2.06	14.733	2.21	20.73	0.88
2.750	0.96	8.750	2.06	14.750	2.21	20.75	0.88
2.767	0.96	8.767	2.06	14.767	2.21	20.77	0.88
2.783	0.96	8.783	2.06	14.783	2.21	20.78	0.88
2.800	0.96	8.800	2.06	14.800	2.21	20.80	0.88
2.817	0.96	8.817	2.06	14.817	2.21	20.82	0.88
2.833	0.96	8.833	2.06	14.833	2.21	20.83	0.88
2.850	0.96	8.850	2.06	14.850	2.21	20.85	0.88
2.867	0.96	8.867	2.06	14.867	2.21	20.87	0.88
2.883	0.96	8.883	2.06	14.883	2.21	20.88	0.88
2.900	0.96	8.900	2.06	14.900	2.21	20.90	0.88
2.917	0.96	8.917	2.06	14.917	2.21	20.92	0.88
2.933	0.96	8.933	2.06	14.933	2.21	20.93	0.88
2.950	0.96	8.950	2.06	14.950	2.21	20.95	0.88
2.967	0.96	8.967	2.06	14.967	2.21	20.97	0.88
2.983	0.96	8.983	2.06	14.983	2.21	20.98	0.88
3.000	0.96	9.000	2.06	15.000	2.21	21.00	0.88
3.017	0.96	9.017	2.36	15.017	2.21	21.02	0.88
3.033	0.96	9.033	2.36	15.033	2.21	21.03	0.88
3.050	0.96	9.050	2.36	15.050	2.21	21.05	0.88
3.067	0.96	9.067	2.36	15.067	2.21	21.07	0.88
3.083	0.96	9.083	2.36	15.083	2.21	21.08	0.88
3.100	0.96	9.100	2.36	15.100	2.21	21.10	0.88
3.117	0.96	9.117	2.36	15.117	2.21	21.12	0.88
3.133	0.96	9.133	2.36	15.133	2.21	21.13	0.88
3.150	0.96	9.150	2.36	15.150	2.21	21.15	0.88
3.167	0.96	9.167	2.36	15.167	2.21	21.17	0.88
3.183	0.96	9.183	2.36	15.183	2.21	21.18	0.88
3.200	0.96	9.200	2.36	15.200	2.21	21.20	0.88
3.217	0.96	9.217	2.36	15.217	2.21	21.22	0.88
3.233	0.96	9.233	2.36	15.233	2.21	21.23	0.88
3.250	0.96	9.250	2.36	15.250	2.21	21.25	0.88
3.267	0.96	9.267	2.36	15.267	2.21	21.27	0.88
3.283	0.96	9.283	2.36	15.283	2.21	21.28	0.88
3.300	0.96	9.300	2.36	15.300	2.21	21.30	0.88
3.317	0.96	9.317	2.36	15.317	2.21	21.32	0.88
3.333	0.96	9.333	2.36	15.333	2.21	21.33	0.88
3.350	0.96	9.350	2.36	15.350	2.21	21.35	0.88
3.367	0.96	9.367	2.36	15.367	2.21	21.37	0.88
3.383	0.96	9.383	2.36	15.383	2.21	21.38	0.88
3.400	0.96	9.400	2.36	15.400	2.21	21.40	0.88
3.417	0.96	9.417	2.36	15.417	2.21	21.42	0.88

3.433	0.96	9.433	2.36	15.433	2.21	21.43	0.88
3.450	0.96	9.450	2.36	15.450	2.21	21.45	0.88
3.467	0.96	9.467	2.36	15.467	2.21	21.47	0.88
3.483	0.96	9.483	2.36	15.483	2.21	21.48	0.88
3.500	0.96	9.500	2.36	15.500	2.21	21.50	0.88
3.517	0.96	9.517	2.65	15.517	2.21	21.52	0.88
3.533	0.96	9.533	2.65	15.533	2.21	21.53	0.88
3.550	0.96	9.550	2.65	15.550	2.21	21.55	0.88
3.567	0.96	9.567	2.65	15.567	2.21	21.57	0.88
3.583	0.96	9.583	2.65	15.583	2.21	21.58	0.88
3.600	0.96	9.600	2.65	15.600	2.21	21.60	0.88
3.617	0.96	9.617	2.65	15.617	2.21	21.62	0.88
3.633	0.96	9.633	2.65	15.633	2.21	21.63	0.88
3.650	0.96	9.650	2.65	15.650	2.21	21.65	0.88
3.667	0.96	9.667	2.65	15.667	2.21	21.67	0.88
3.683	0.96	9.683	2.65	15.683	2.21	21.68	0.88
3.700	0.96	9.700	2.65	15.700	2.21	21.70	0.88
3.717	0.96	9.717	2.65	15.717	2.21	21.72	0.88
3.733	0.96	9.733	2.65	15.733	2.21	21.73	0.88
3.750	0.96	9.750	2.65	15.750	2.21	21.75	0.88
3.767	0.96	9.767	2.65	15.767	2.21	21.77	0.88
3.783	0.96	9.783	2.65	15.783	2.21	21.78	0.88
3.800	0.96	9.800	2.65	15.800	2.21	21.80	0.88
3.817	0.96	9.817	2.65	15.817	2.21	21.82	0.88
3.833	0.96	9.833	2.65	15.833	2.21	21.83	0.88
3.850	0.96	9.850	2.65	15.850	2.21	21.85	0.88
3.867	0.96	9.867	2.65	15.867	2.21	21.87	0.88
3.883	0.96	9.883	2.65	15.883	2.21	21.88	0.88
3.900	0.96	9.900	2.65	15.900	2.21	21.90	0.88
3.917	0.96	9.917	2.65	15.917	2.21	21.92	0.88
3.933	0.96	9.933	2.65	15.933	2.21	21.93	0.88
3.950	0.96	9.950	2.65	15.950	2.21	21.95	0.88
3.967	0.96	9.967	2.65	15.967	2.21	21.97	0.88
3.983	0.96	9.983	2.65	15.983	2.21	21.98	0.88
4.000	0.96	10.000	2.65	16.000	2.21	22.00	0.88
4.017	1.18	10.017	3.39	16.017	1.33	22.02	0.88
4.033	1.18	10.033	3.39	16.033	1.33	22.03	0.88
4.050	1.18	10.050	3.39	16.050	1.33	22.05	0.88
4.067	1.18	10.067	3.39	16.067	1.33	22.07	0.88
4.083	1.18	10.083	3.39	16.083	1.33	22.08	0.88
4.100	1.18	10.100	3.39	16.100	1.33	22.10	0.88
4.117	1.18	10.117	3.39	16.117	1.33	22.12	0.88
4.133	1.18	10.133	3.39	16.133	1.33	22.13	0.88
4.150	1.18	10.150	3.39	16.150	1.33	22.15	0.88
4.167	1.18	10.167	3.39	16.167	1.33	22.17	0.88
4.183	1.18	10.183	3.39	16.183	1.33	22.18	0.88
4.200	1.18	10.200	3.39	16.200	1.33	22.20	0.88
4.217	1.18	10.217	3.39	16.217	1.33	22.22	0.88
4.233	1.18	10.233	3.39	16.233	1.33	22.23	0.88
4.250	1.18	10.250	3.39	16.250	1.33	22.25	0.88
4.267	1.18	10.267	3.39	16.267	1.33	22.27	0.88
4.283	1.18	10.283	3.39	16.283	1.33	22.28	0.88
4.300	1.18	10.300	3.39	16.300	1.33	22.30	0.88
4.317	1.18	10.317	3.39	16.317	1.33	22.32	0.88
4.333	1.18	10.333	3.39	16.333	1.33	22.33	0.88
4.350	1.18	10.350	3.39	16.350	1.33	22.35	0.88
4.367	1.18	10.367	3.39	16.367	1.33	22.37	0.88
4.383	1.18	10.383	3.39	16.383	1.33	22.38	0.88
4.400	1.18	10.400	3.39	16.400	1.33	22.40	0.88
4.417	1.18	10.417	3.39	16.417	1.33	22.42	0.88
4.433	1.18	10.433	3.39	16.433	1.33	22.43	0.88
4.450	1.18	10.450	3.39	16.450	1.33	22.45	0.88
4.467	1.18	10.467	3.39	16.467	1.33	22.47	0.88
4.483	1.18	10.483	3.39	16.483	1.33	22.48	0.88
4.500	1.18	10.500	3.39	16.500	1.33	22.50	0.88
4.517	1.18	10.517	4.57	16.517	1.33	22.52	0.88
4.533	1.18	10.533	4.57	16.533	1.33	22.53	0.88
4.550	1.18	10.550	4.57	16.550	1.33	22.55	0.88
4.567	1.18	10.567	4.57	16.567	1.33	22.57	0.88
4.583	1.18	10.583	4.57	16.583	1.33	22.58	0.88
4.600	1.18	10.600	4.57	16.600	1.33	22.60	0.88
4.617	1.18	10.617	4.57	16.617	1.33	22.62	0.88
4.633	1.18	10.633	4.57	16.633	1.33	22.63	0.88
4.650	1.18	10.650	4.57	16.650	1.33	22.65	0.88
4.667	1.18	10.667	4.57	16.667	1.33	22.67	0.88
4.683	1.18	10.683	4.57	16.683	1.33	22.68	0.88
4.700	1.18	10.700	4.57	16.700	1.33	22.70	0.88
4.717	1.18	10.717	4.57	16.717	1.33	22.72	0.88
4.733	1.18	10.733	4.57	16.733	1.33	22.73	0.88
4.750	1.18	10.750	4.57	16.750	1.33	22.75	0.88
4.767	1.18	10.767	4.57	16.767	1.33	22.77	0.88
4.783	1.18	10.783	4.57	16.783	1.33	22.78	0.88
4.800	1.18	10.800	4.57	16.800	1.33	22.80	0.88
4.817	1.18	10.817	4.57	16.817	1.33	22.82	0.88

4.833	1.18	10.833	4.57	16.833	1.33	22.83	0.88
4.850	1.18	10.850	4.57	16.850	1.33	22.85	0.88
4.867	1.18	10.867	4.57	16.867	1.33	22.87	0.88
4.883	1.18	10.883	4.57	16.883	1.33	22.88	0.88
4.900	1.18	10.900	4.57	16.900	1.33	22.90	0.88
4.917	1.18	10.917	4.57	16.917	1.33	22.92	0.88
4.933	1.18	10.933	4.57	16.933	1.33	22.93	0.88
4.950	1.18	10.950	4.57	16.950	1.33	22.95	0.88
4.967	1.18	10.967	4.57	16.967	1.33	22.97	0.88
4.983	1.18	10.983	4.57	16.983	1.33	22.98	0.88
5.000	1.18	11.000	4.57	17.000	1.33	23.00	0.88
5.017	1.18	11.017	7.07	17.017	1.33	23.02	0.88
5.033	1.18	11.033	7.07	17.033	1.33	23.03	0.88
5.050	1.18	11.050	7.07	17.050	1.33	23.05	0.88
5.067	1.18	11.067	7.07	17.067	1.33	23.07	0.88
5.083	1.18	11.083	7.07	17.083	1.33	23.08	0.88
5.100	1.18	11.100	7.07	17.100	1.33	23.10	0.88
5.117	1.18	11.117	7.07	17.117	1.33	23.12	0.88
5.133	1.18	11.133	7.07	17.133	1.33	23.13	0.88
5.150	1.18	11.150	7.07	17.150	1.33	23.15	0.88
5.167	1.18	11.167	7.07	17.167	1.33	23.17	0.88
5.183	1.18	11.183	7.07	17.183	1.33	23.18	0.88
5.200	1.18	11.200	7.07	17.200	1.33	23.20	0.88
5.217	1.18	11.217	7.07	17.217	1.33	23.22	0.88
5.233	1.18	11.233	7.07	17.233	1.33	23.23	0.88
5.250	1.18	11.250	7.07	17.250	1.33	23.25	0.88
5.267	1.18	11.267	7.07	17.267	1.33	23.27	0.88
5.283	1.18	11.283	7.07	17.283	1.33	23.28	0.88
5.300	1.18	11.300	7.07	17.300	1.33	23.30	0.88
5.317	1.18	11.317	7.07	17.317	1.33	23.32	0.88
5.333	1.18	11.333	7.07	17.333	1.33	23.33	0.88
5.350	1.18	11.350	7.07	17.350	1.33	23.35	0.88
5.367	1.18	11.367	7.07	17.367	1.33	23.37	0.88
5.383	1.18	11.383	7.07	17.383	1.33	23.38	0.88
5.400	1.18	11.400	7.07	17.400	1.33	23.40	0.88
5.417	1.18	11.417	7.07	17.417	1.33	23.42	0.88
5.433	1.18	11.433	7.07	17.433	1.33	23.43	0.88
5.450	1.18	11.450	7.07	17.450	1.33	23.45	0.88
5.467	1.18	11.467	7.07	17.467	1.33	23.47	0.88
5.483	1.18	11.483	7.07	17.483	1.33	23.48	0.88
5.500	1.18	11.500	7.07	17.500	1.33	23.50	0.88
5.517	1.18	11.517	21.81	17.517	1.33	23.52	0.88
5.533	1.18	11.533	21.81	17.533	1.33	23.53	0.88
5.550	1.18	11.550	21.81	17.550	1.33	23.55	0.88
5.567	1.18	11.567	21.81	17.567	1.33	23.57	0.88
5.583	1.18	11.583	21.81	17.583	1.33	23.58	0.88
5.600	1.18	11.600	21.81	17.600	1.33	23.60	0.88
5.617	1.18	11.617	21.81	17.617	1.33	23.62	0.88
5.633	1.18	11.633	21.81	17.633	1.33	23.63	0.88
5.650	1.18	11.650	21.81	17.650	1.33	23.65	0.88
5.667	1.18	11.667	21.81	17.667	1.33	23.67	0.88
5.683	1.18	11.683	21.81	17.683	1.33	23.68	0.88
5.700	1.18	11.700	21.81	17.700	1.33	23.70	0.88
5.717	1.18	11.717	21.81	17.717	1.33	23.72	0.88
5.733	1.18	11.733	21.81	17.733	1.33	23.73	0.88
5.750	1.18	11.750	21.81	17.750	1.33	23.75	0.88
5.767	1.18	11.767	90.16	17.767	1.33	23.77	0.88
5.783	1.18	11.783	90.20	17.783	1.33	23.78	0.88
5.800	1.18	11.800	90.20	17.800	1.33	23.80	0.88
5.817	1.18	11.817	90.20	17.817	1.33	23.82	0.88
5.833	1.18	11.833	90.20	17.833	1.33	23.83	0.88
5.850	1.18	11.850	90.20	17.850	1.33	23.85	0.88
5.867	1.18	11.867	90.20	17.867	1.33	23.87	0.88
5.883	1.18	11.883	90.20	17.883	1.33	23.88	0.88
5.900	1.18	11.900	90.20	17.900	1.33	23.90	0.88
5.917	1.18	11.917	90.20	17.917	1.33	23.92	0.88
5.933	1.18	11.933	90.20	17.933	1.33	23.93	0.88
5.950	1.18	11.950	90.20	17.950	1.33	23.95	0.88
5.967	1.18	11.967	90.20	17.967	1.33	23.97	0.88
5.983	1.18	11.983	90.20	17.983	1.33	23.98	0.88
6.000	1.18	12.000	90.20	18.000	1.33	24.00	0.88

Max.Eff.Inten.(mm/hr)=	90.20	24.02
over (min)	5.00	7.00
Storage Coeff. (min)=	0.86 (ii)	6.60 (ii)
Unit Hyd. Tpeak (min)=	5.00	7.00
Unit Hyd. peak (cms)=	0.49	0.17

PEAK FLOW (cms)=	0.03	0.00	*TOTALS*
TIME TO PEAK (hrs)=	11.98	12.03	0.038 (iii)
RUNOFF VOLUME (mm)=	71.69	16.55	52.38
TOTAL RAINFALL (mm)=	73.69	73.69	73.69
RUNOFF COEFFICIENT =	0.97	0.22	0.71

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

```
-----
| ADD HYD ( 0015) |
| 1 + 2 = 3 |
|-----|
| ID1= 1 ( 0001): 19.50 0.157 13.50 33.40 |
| + ID2= 2 ( 0202): 0.21 0.038 12.00 52.38 |
|=====|
| ID = 3 ( 0015): 19.71 0.159 13.50 33.60 |
|=====|
```

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:4.3 SCS II 24hr 10yr **

```
-----
| MASS STORM |
|-----|
| Ptotal= 84.59 mm |
|-----|

Filename: C:\Users\rbrockie\AppData
          ata\Local\Temp\
          ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\d4139db4
Comments: SCS 24 HOUR TYPE II STORM DISTRIBUTION 1

Duration of storm = 24.00 hrs
Mass curve time step = 15.00 min
```

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.93	6.00	1.52	12.00	12.18	18.00	1.52
0.25	0.93	6.25	1.52	12.25	12.18	18.25	1.52
0.50	0.93	6.50	1.52	12.50	6.26	18.50	1.52
0.75	0.93	6.75	1.52	12.75	6.26	18.75	1.52
1.00	0.93	7.00	1.86	13.00	4.57	19.00	1.52
1.25	0.93	7.25	1.86	13.25	4.57	19.25	1.52
1.50	0.93	7.50	1.86	13.50	3.55	19.50	1.52
1.75	0.93	7.75	1.86	13.75	3.55	19.75	1.52
2.00	1.10	8.00	2.20	14.00	2.54	20.00	1.02
2.25	1.10	8.25	2.20	14.25	2.54	20.25	1.02
2.50	1.10	8.50	2.37	14.50	2.54	20.50	1.02
2.75	1.10	8.75	2.37	14.75	2.54	20.75	1.02
3.00	1.10	9.00	2.71	15.00	2.54	21.00	1.02
3.25	1.10	9.25	2.71	15.25	2.54	21.25	1.02
3.50	1.10	9.50	3.05	15.50	2.54	21.50	1.02
3.75	1.10	9.75	3.05	15.75	2.54	21.75	1.02
4.00	1.35	10.00	3.89	16.00	1.52	22.00	1.02
4.25	1.35	10.25	3.89	16.25	1.52	22.25	1.02
4.50	1.35	10.50	5.24	16.50	1.52	22.50	1.02
4.75	1.35	10.75	5.24	16.75	1.52	22.75	1.02
5.00	1.35	11.00	8.12	17.00	1.52	23.00	1.02
5.25	1.35	11.25	8.12	17.25	1.52	23.25	1.02
5.50	1.35	11.50	25.04	17.50	1.52	23.50	1.02
5.75	1.35	11.75	103.54	17.75	1.52	23.75	1.02

```
-----
| CALIB |
| STANDHYD ( 0201) |
| ID= 1 DT= 1.0 min |
|-----|

Area (ha)= 19.50
Total Imp(%)= 62.00 Dir. Conn.(%)= 48.00
```

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	12.09	7.41
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	298.34	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

```
----- TRANSFORMED HYETOGRAPH -----
TIME RAIN TIME RAIN TIME RAIN TIME RAIN
hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr
0.017 0.93 6.017 1.52 12.017 12.24 18.02 1.52
0.033 0.93 6.033 1.52 12.033 12.18 18.03 1.52
0.050 0.93 6.050 1.52 12.050 12.18 18.05 1.52
0.067 0.93 6.067 1.52 12.067 12.18 18.07 1.52
0.083 0.93 6.083 1.52 12.083 12.18 18.08 1.52
```

0.100	0.93	6.100	1.52	12.100	12.18	18.10	1.52
0.117	0.93	6.117	1.52	12.117	12.18	18.12	1.52
0.133	0.93	6.133	1.52	12.133	12.18	18.13	1.52
0.150	0.93	6.150	1.52	12.150	12.18	18.15	1.52
0.167	0.93	6.167	1.52	12.167	12.18	18.17	1.52
0.183	0.93	6.183	1.52	12.183	12.18	18.18	1.52
0.200	0.93	6.200	1.52	12.200	12.18	18.20	1.52
0.217	0.93	6.217	1.52	12.217	12.18	18.22	1.52
0.233	0.93	6.233	1.52	12.233	12.18	18.23	1.52
0.250	0.93	6.250	1.52	12.250	12.18	18.25	1.52
0.267	0.93	6.267	1.52	12.267	12.18	18.27	1.52
0.283	0.93	6.283	1.52	12.283	12.18	18.28	1.52
0.300	0.93	6.300	1.52	12.300	12.18	18.30	1.52
0.317	0.93	6.317	1.52	12.317	12.18	18.32	1.52
0.333	0.93	6.333	1.52	12.333	12.18	18.33	1.52
0.350	0.93	6.350	1.52	12.350	12.18	18.35	1.52
0.367	0.93	6.367	1.52	12.367	12.18	18.37	1.52
0.383	0.93	6.383	1.52	12.383	12.18	18.38	1.52
0.400	0.93	6.400	1.52	12.400	12.18	18.40	1.52
0.417	0.93	6.417	1.52	12.417	12.18	18.42	1.52
0.433	0.93	6.433	1.52	12.433	12.18	18.43	1.52
0.450	0.93	6.450	1.52	12.450	12.18	18.45	1.52
0.467	0.93	6.467	1.52	12.467	12.18	18.47	1.52
0.483	0.93	6.483	1.52	12.483	12.18	18.48	1.52
0.500	0.93	6.500	1.52	12.500	12.18	18.50	1.52
0.517	0.93	6.517	1.52	12.517	6.27	18.52	1.52
0.533	0.93	6.533	1.52	12.533	6.26	18.53	1.52
0.550	0.93	6.550	1.52	12.550	6.26	18.55	1.52
0.567	0.93	6.567	1.52	12.567	6.26	18.57	1.52
0.583	0.93	6.583	1.52	12.583	6.26	18.58	1.52
0.600	0.93	6.600	1.52	12.600	6.26	18.60	1.52
0.617	0.93	6.617	1.52	12.617	6.26	18.62	1.52
0.633	0.93	6.633	1.52	12.633	6.26	18.63	1.52
0.650	0.93	6.650	1.52	12.650	6.26	18.65	1.52
0.667	0.93	6.667	1.52	12.667	6.26	18.67	1.52
0.683	0.93	6.683	1.52	12.683	6.26	18.68	1.52
0.700	0.93	6.700	1.52	12.700	6.26	18.70	1.52
0.717	0.93	6.717	1.52	12.717	6.26	18.72	1.52
0.733	0.93	6.733	1.52	12.733	6.26	18.73	1.52
0.750	0.93	6.750	1.52	12.750	6.26	18.75	1.52
0.767	0.93	6.767	1.52	12.767	6.26	18.77	1.52
0.783	0.93	6.783	1.52	12.783	6.26	18.78	1.52
0.800	0.93	6.800	1.52	12.800	6.26	18.80	1.52
0.817	0.93	6.817	1.52	12.817	6.26	18.82	1.52
0.833	0.93	6.833	1.52	12.833	6.26	18.83	1.52
0.850	0.93	6.850	1.52	12.850	6.26	18.85	1.52
0.867	0.93	6.867	1.52	12.867	6.26	18.87	1.52
0.883	0.93	6.883	1.52	12.883	6.26	18.88	1.52
0.900	0.93	6.900	1.52	12.900	6.26	18.90	1.52
0.917	0.93	6.917	1.52	12.917	6.26	18.92	1.52
0.933	0.93	6.933	1.52	12.933	6.26	18.93	1.52
0.950	0.93	6.950	1.52	12.950	6.26	18.95	1.52
0.967	0.93	6.967	1.52	12.967	6.26	18.97	1.52
0.983	0.93	6.983	1.52	12.983	6.26	18.98	1.52
1.000	0.93	7.000	1.52	13.000	6.26	19.00	1.52
1.017	0.93	7.017	1.86	13.017	4.57	19.02	1.52
1.033	0.93	7.033	1.86	13.033	4.57	19.03	1.52
1.050	0.93	7.050	1.86	13.050	4.57	19.05	1.52
1.067	0.93	7.067	1.86	13.067	4.57	19.07	1.52
1.083	0.93	7.083	1.86	13.083	4.57	19.08	1.52
1.100	0.93	7.100	1.86	13.100	4.57	19.10	1.52
1.117	0.93	7.117	1.86	13.117	4.57	19.12	1.52
1.133	0.93	7.133	1.86	13.133	4.57	19.13	1.52
1.150	0.93	7.150	1.86	13.150	4.57	19.15	1.52
1.167	0.93	7.167	1.86	13.167	4.57	19.17	1.52
1.183	0.93	7.183	1.86	13.183	4.57	19.18	1.52
1.200	0.93	7.200	1.86	13.200	4.57	19.20	1.52
1.217	0.93	7.217	1.86	13.217	4.57	19.22	1.52
1.233	0.93	7.233	1.86	13.233	4.57	19.23	1.52
1.250	0.93	7.250	1.86	13.250	4.57	19.25	1.52
1.267	0.93	7.267	1.86	13.267	4.57	19.27	1.52
1.283	0.93	7.283	1.86	13.283	4.57	19.28	1.52
1.300	0.93	7.300	1.86	13.300	4.57	19.30	1.52
1.317	0.93	7.317	1.86	13.317	4.57	19.32	1.52
1.333	0.93	7.333	1.86	13.333	4.57	19.33	1.52
1.350	0.93	7.350	1.86	13.350	4.57	19.35	1.52
1.367	0.93	7.367	1.86	13.367	4.57	19.37	1.52
1.383	0.93	7.383	1.86	13.383	4.57	19.38	1.52
1.400	0.93	7.400	1.86	13.400	4.57	19.40	1.52
1.417	0.93	7.417	1.86	13.417	4.57	19.42	1.52
1.433	0.93	7.433	1.86	13.433	4.57	19.43	1.52
1.450	0.93	7.450	1.86	13.450	4.57	19.45	1.52
1.467	0.93	7.467	1.86	13.467	4.57	19.47	1.52
1.483	0.93	7.483	1.86	13.483	4.57	19.48	1.52

1.500	0.93	7.500	1.86	13.500	4.57	19.50	1.52
1.517	0.93	7.517	1.86	13.517	3.55	19.52	1.52
1.533	0.93	7.533	1.86	13.533	3.55	19.53	1.52
1.550	0.93	7.550	1.86	13.550	3.55	19.55	1.52
1.567	0.93	7.567	1.86	13.567	3.55	19.57	1.52
1.583	0.93	7.583	1.86	13.583	3.55	19.58	1.52
1.600	0.93	7.600	1.86	13.600	3.55	19.60	1.52
1.617	0.93	7.617	1.86	13.617	3.55	19.62	1.52
1.633	0.93	7.633	1.86	13.633	3.55	19.63	1.52
1.650	0.93	7.650	1.86	13.650	3.55	19.65	1.52
1.667	0.93	7.667	1.86	13.667	3.55	19.67	1.52
1.683	0.93	7.683	1.86	13.683	3.55	19.68	1.52
1.700	0.93	7.700	1.86	13.700	3.55	19.70	1.52
1.717	0.93	7.717	1.86	13.717	3.55	19.72	1.52
1.733	0.93	7.733	1.86	13.733	3.55	19.73	1.52
1.750	0.93	7.750	1.86	13.750	3.55	19.75	1.52
1.767	0.93	7.767	1.86	13.767	3.55	19.77	1.52
1.783	0.93	7.783	1.86	13.783	3.55	19.78	1.52
1.800	0.93	7.800	1.86	13.800	3.55	19.80	1.52
1.817	0.93	7.817	1.86	13.817	3.55	19.82	1.52
1.833	0.93	7.833	1.86	13.833	3.55	19.83	1.52
1.850	0.93	7.850	1.86	13.850	3.55	19.85	1.52
1.867	0.93	7.867	1.86	13.867	3.55	19.87	1.52
1.883	0.93	7.883	1.86	13.883	3.55	19.88	1.52
1.900	0.93	7.900	1.86	13.900	3.55	19.90	1.52
1.917	0.93	7.917	1.86	13.917	3.55	19.92	1.52
1.933	0.93	7.933	1.86	13.933	3.55	19.93	1.52
1.950	0.93	7.950	1.86	13.950	3.55	19.95	1.52
1.967	0.93	7.967	1.86	13.967	3.55	19.97	1.52
1.983	0.93	7.983	1.86	13.983	3.55	19.98	1.52
2.000	0.93	8.000	1.86	14.000	3.55	20.00	1.52
2.017	1.10	8.017	2.20	14.017	2.54	20.02	1.02
2.033	1.10	8.033	2.20	14.033	2.54	20.03	1.02
2.050	1.10	8.050	2.20	14.050	2.54	20.05	1.02
2.067	1.10	8.067	2.20	14.067	2.54	20.07	1.02
2.083	1.10	8.083	2.20	14.083	2.54	20.08	1.02
2.100	1.10	8.100	2.20	14.100	2.54	20.10	1.02
2.117	1.10	8.117	2.20	14.117	2.54	20.12	1.02
2.133	1.10	8.133	2.20	14.133	2.54	20.13	1.02
2.150	1.10	8.150	2.20	14.150	2.54	20.15	1.02
2.167	1.10	8.167	2.20	14.167	2.54	20.17	1.02
2.183	1.10	8.183	2.20	14.183	2.54	20.18	1.02
2.200	1.10	8.200	2.20	14.200	2.54	20.20	1.02
2.217	1.10	8.217	2.20	14.217	2.54	20.22	1.02
2.233	1.10	8.233	2.20	14.233	2.54	20.23	1.02
2.250	1.10	8.250	2.20	14.250	2.54	20.25	1.02
2.267	1.10	8.267	2.20	14.267	2.54	20.27	1.02
2.283	1.10	8.283	2.20	14.283	2.54	20.28	1.02
2.300	1.10	8.300	2.20	14.300	2.54	20.30	1.02
2.317	1.10	8.317	2.20	14.317	2.54	20.32	1.02
2.333	1.10	8.333	2.20	14.333	2.54	20.33	1.02
2.350	1.10	8.350	2.20	14.350	2.54	20.35	1.02
2.367	1.10	8.367	2.20	14.367	2.54	20.37	1.02
2.383	1.10	8.383	2.20	14.383	2.54	20.38	1.02
2.400	1.10	8.400	2.20	14.400	2.54	20.40	1.02
2.417	1.10	8.417	2.20	14.417	2.54	20.42	1.02
2.433	1.10	8.433	2.20	14.433	2.54	20.43	1.02
2.450	1.10	8.450	2.20	14.450	2.54	20.45	1.02
2.467	1.10	8.467	2.20	14.467	2.54	20.47	1.02
2.483	1.10	8.483	2.20	14.483	2.54	20.48	1.02
2.500	1.10	8.500	2.20	14.500	2.54	20.50	1.02
2.517	1.10	8.517	2.37	14.517	2.54	20.52	1.02
2.533	1.10	8.533	2.37	14.533	2.54	20.53	1.02
2.550	1.10	8.550	2.37	14.550	2.54	20.55	1.02
2.567	1.10	8.567	2.37	14.567	2.54	20.57	1.02
2.583	1.10	8.583	2.37	14.583	2.54	20.58	1.02
2.600	1.10	8.600	2.37	14.600	2.54	20.60	1.02
2.617	1.10	8.617	2.37	14.617	2.54	20.62	1.02
2.633	1.10	8.633	2.37	14.633	2.54	20.63	1.02
2.650	1.10	8.650	2.37	14.650	2.54	20.65	1.02
2.667	1.10	8.667	2.37	14.667	2.54	20.67	1.02
2.683	1.10	8.683	2.37	14.683	2.54	20.68	1.02
2.700	1.10	8.700	2.37	14.700	2.54	20.70	1.02
2.717	1.10	8.717	2.37	14.717	2.54	20.72	1.02
2.733	1.10	8.733	2.37	14.733	2.54	20.73	1.02
2.750	1.10	8.750	2.37	14.750	2.54	20.75	1.02
2.767	1.10	8.767	2.37	14.767	2.54	20.77	1.02
2.783	1.10	8.783	2.37	14.783	2.54	20.78	1.02
2.800	1.10	8.800	2.37	14.800	2.54	20.80	1.02
2.817	1.10	8.817	2.37	14.817	2.54	20.82	1.02
2.833	1.10	8.833	2.37	14.833	2.54	20.83	1.02
2.850	1.10	8.850	2.37	14.850	2.54	20.85	1.02
2.867	1.10	8.867	2.37	14.867	2.54	20.87	1.02
2.883	1.10	8.883	2.37	14.883	2.54	20.88	1.02

2.900	1.10	8.900	2.37	14.900	2.54	20.90	1.02
2.917	1.10	8.917	2.37	14.917	2.54	20.92	1.02
2.933	1.10	8.933	2.37	14.933	2.54	20.93	1.02
2.950	1.10	8.950	2.37	14.950	2.54	20.95	1.02
2.967	1.10	8.967	2.37	14.967	2.54	20.97	1.02
2.983	1.10	8.983	2.37	14.983	2.54	20.98	1.02
3.000	1.10	9.000	2.37	15.000	2.54	21.00	1.02
3.017	1.10	9.017	2.71	15.017	2.54	21.02	1.02
3.033	1.10	9.033	2.71	15.033	2.54	21.03	1.02
3.050	1.10	9.050	2.71	15.050	2.54	21.05	1.02
3.067	1.10	9.067	2.71	15.067	2.54	21.07	1.02
3.083	1.10	9.083	2.71	15.083	2.54	21.08	1.02
3.100	1.10	9.100	2.71	15.100	2.54	21.10	1.02
3.117	1.10	9.117	2.71	15.117	2.54	21.12	1.02
3.133	1.10	9.133	2.71	15.133	2.54	21.13	1.02
3.150	1.10	9.150	2.71	15.150	2.54	21.15	1.02
3.167	1.10	9.167	2.71	15.167	2.54	21.17	1.02
3.183	1.10	9.183	2.71	15.183	2.54	21.18	1.02
3.200	1.10	9.200	2.71	15.200	2.54	21.20	1.02
3.217	1.10	9.217	2.71	15.217	2.54	21.22	1.02
3.233	1.10	9.233	2.71	15.233	2.54	21.23	1.02
3.250	1.10	9.250	2.71	15.250	2.54	21.25	1.02
3.267	1.10	9.267	2.71	15.267	2.54	21.27	1.02
3.283	1.10	9.283	2.71	15.283	2.54	21.28	1.02
3.300	1.10	9.300	2.71	15.300	2.54	21.30	1.02
3.317	1.10	9.317	2.71	15.317	2.54	21.32	1.02
3.333	1.10	9.333	2.71	15.333	2.54	21.33	1.02
3.350	1.10	9.350	2.71	15.350	2.54	21.35	1.02
3.367	1.10	9.367	2.71	15.367	2.54	21.37	1.02
3.383	1.10	9.383	2.71	15.383	2.54	21.38	1.02
3.400	1.10	9.400	2.71	15.400	2.54	21.40	1.02
3.417	1.10	9.417	2.71	15.417	2.54	21.42	1.02
3.433	1.10	9.433	2.71	15.433	2.54	21.43	1.02
3.450	1.10	9.450	2.71	15.450	2.54	21.45	1.02
3.467	1.10	9.467	2.71	15.467	2.54	21.47	1.02
3.483	1.10	9.483	2.71	15.483	2.54	21.48	1.02
3.500	1.10	9.500	2.71	15.500	2.54	21.50	1.02
3.517	1.10	9.517	3.05	15.517	2.54	21.52	1.02
3.533	1.10	9.533	3.05	15.533	2.54	21.53	1.02
3.550	1.10	9.550	3.05	15.550	2.54	21.55	1.02
3.567	1.10	9.567	3.05	15.567	2.54	21.57	1.02
3.583	1.10	9.583	3.05	15.583	2.54	21.58	1.02
3.600	1.10	9.600	3.05	15.600	2.54	21.60	1.02
3.617	1.10	9.617	3.05	15.617	2.54	21.62	1.02
3.633	1.10	9.633	3.05	15.633	2.54	21.63	1.02
3.650	1.10	9.650	3.05	15.650	2.54	21.65	1.02
3.667	1.10	9.667	3.05	15.667	2.54	21.67	1.02
3.683	1.10	9.683	3.05	15.683	2.54	21.68	1.02
3.700	1.10	9.700	3.05	15.700	2.54	21.70	1.02
3.717	1.10	9.717	3.05	15.717	2.54	21.72	1.02
3.733	1.10	9.733	3.05	15.733	2.54	21.73	1.02
3.750	1.10	9.750	3.05	15.750	2.54	21.75	1.02
3.767	1.10	9.767	3.05	15.767	2.54	21.77	1.02
3.783	1.10	9.783	3.05	15.783	2.54	21.78	1.02
3.800	1.10	9.800	3.05	15.800	2.54	21.80	1.02
3.817	1.10	9.817	3.05	15.817	2.54	21.82	1.02
3.833	1.10	9.833	3.05	15.833	2.54	21.83	1.02
3.850	1.10	9.850	3.05	15.850	2.54	21.85	1.02
3.867	1.10	9.867	3.05	15.867	2.54	21.87	1.02
3.883	1.10	9.883	3.05	15.883	2.54	21.88	1.02
3.900	1.10	9.900	3.05	15.900	2.54	21.90	1.02
3.917	1.10	9.917	3.05	15.917	2.54	21.92	1.02
3.933	1.10	9.933	3.05	15.933	2.54	21.93	1.02
3.950	1.10	9.950	3.05	15.950	2.54	21.95	1.02
3.967	1.10	9.967	3.05	15.967	2.54	21.97	1.02
3.983	1.10	9.983	3.05	15.983	2.54	21.98	1.02
4.000	1.10	10.000	3.05	16.000	2.54	22.00	1.02
4.017	1.35	10.017	3.89	16.017	1.53	22.02	1.02
4.033	1.35	10.033	3.89	16.033	1.52	22.03	1.02
4.050	1.35	10.050	3.89	16.050	1.52	22.05	1.02
4.067	1.35	10.067	3.89	16.067	1.52	22.07	1.02
4.083	1.35	10.083	3.89	16.083	1.52	22.08	1.02
4.100	1.35	10.100	3.89	16.100	1.52	22.10	1.02
4.117	1.35	10.117	3.89	16.117	1.52	22.12	1.02
4.133	1.35	10.133	3.89	16.133	1.52	22.13	1.02
4.150	1.35	10.150	3.89	16.150	1.52	22.15	1.02
4.167	1.35	10.167	3.89	16.167	1.52	22.17	1.02
4.183	1.35	10.183	3.89	16.183	1.52	22.18	1.02
4.200	1.35	10.200	3.89	16.200	1.52	22.20	1.02
4.217	1.35	10.217	3.89	16.217	1.52	22.22	1.02
4.233	1.35	10.233	3.89	16.233	1.52	22.23	1.02
4.250	1.35	10.250	3.89	16.250	1.52	22.25	1.02
4.267	1.35	10.267	3.89	16.267	1.52	22.27	1.02
4.283	1.35	10.283	3.89	16.283	1.52	22.28	1.02

4.300	1.35	10.300	3.89	16.300	1.52	22.30	1.02
4.317	1.35	10.317	3.89	16.317	1.52	22.32	1.02
4.333	1.35	10.333	3.89	16.333	1.52	22.33	1.02
4.350	1.35	10.350	3.89	16.350	1.52	22.35	1.02
4.367	1.35	10.367	3.89	16.367	1.52	22.37	1.02
4.383	1.35	10.383	3.89	16.383	1.52	22.38	1.02
4.400	1.35	10.400	3.89	16.400	1.52	22.40	1.02
4.417	1.35	10.417	3.89	16.417	1.52	22.42	1.02
4.433	1.35	10.433	3.89	16.433	1.52	22.43	1.02
4.450	1.35	10.450	3.89	16.450	1.52	22.45	1.02
4.467	1.35	10.467	3.89	16.467	1.52	22.47	1.02
4.483	1.35	10.483	3.89	16.483	1.52	22.48	1.02
4.500	1.35	10.500	3.89	16.500	1.52	22.50	1.02
4.517	1.35	10.517	5.24	16.517	1.52	22.52	1.02
4.533	1.35	10.533	5.24	16.533	1.52	22.53	1.02
4.550	1.35	10.550	5.24	16.550	1.52	22.55	1.02
4.567	1.35	10.567	5.24	16.567	1.52	22.57	1.02
4.583	1.35	10.583	5.24	16.583	1.52	22.58	1.02
4.600	1.35	10.600	5.24	16.600	1.52	22.60	1.02
4.617	1.35	10.617	5.24	16.617	1.52	22.62	1.02
4.633	1.35	10.633	5.24	16.633	1.52	22.63	1.02
4.650	1.35	10.650	5.24	16.650	1.52	22.65	1.02
4.667	1.35	10.667	5.24	16.667	1.52	22.67	1.02
4.683	1.35	10.683	5.24	16.683	1.52	22.68	1.02
4.700	1.35	10.700	5.24	16.700	1.52	22.70	1.02
4.717	1.35	10.717	5.24	16.717	1.52	22.72	1.02
4.733	1.35	10.733	5.24	16.733	1.52	22.73	1.02
4.750	1.35	10.750	5.24	16.750	1.52	22.75	1.02
4.767	1.35	10.767	5.24	16.767	1.52	22.77	1.02
4.783	1.35	10.783	5.24	16.783	1.52	22.78	1.02
4.800	1.35	10.800	5.24	16.800	1.52	22.80	1.02
4.817	1.35	10.817	5.24	16.817	1.52	22.82	1.02
4.833	1.35	10.833	5.24	16.833	1.52	22.83	1.02
4.850	1.35	10.850	5.24	16.850	1.52	22.85	1.02
4.867	1.35	10.867	5.24	16.867	1.52	22.87	1.02
4.883	1.35	10.883	5.24	16.883	1.52	22.88	1.02
4.900	1.35	10.900	5.24	16.900	1.52	22.90	1.02
4.917	1.35	10.917	5.24	16.917	1.52	22.92	1.02
4.933	1.35	10.933	5.24	16.933	1.52	22.93	1.02
4.950	1.35	10.950	5.24	16.950	1.52	22.95	1.02
4.967	1.35	10.967	5.24	16.967	1.52	22.97	1.02
4.983	1.35	10.983	5.24	16.983	1.52	22.98	1.02
5.000	1.35	11.000	5.25	17.000	1.52	23.00	1.02
5.017	1.35	11.017	8.12	17.017	1.52	23.02	1.02
5.033	1.35	11.033	8.12	17.033	1.52	23.03	1.02
5.050	1.35	11.050	8.12	17.050	1.52	23.05	1.02
5.067	1.35	11.067	8.12	17.067	1.52	23.07	1.02
5.083	1.35	11.083	8.12	17.083	1.52	23.08	1.02
5.100	1.35	11.100	8.12	17.100	1.52	23.10	1.02
5.117	1.35	11.117	8.12	17.117	1.52	23.12	1.02
5.133	1.35	11.133	8.12	17.133	1.52	23.13	1.02
5.150	1.35	11.150	8.12	17.150	1.52	23.15	1.02
5.167	1.35	11.167	8.12	17.167	1.52	23.17	1.02
5.183	1.35	11.183	8.12	17.183	1.52	23.18	1.02
5.200	1.35	11.200	8.12	17.200	1.52	23.20	1.02
5.217	1.35	11.217	8.12	17.217	1.52	23.22	1.02
5.233	1.35	11.233	8.12	17.233	1.52	23.23	1.02
5.250	1.35	11.250	8.12	17.250	1.52	23.25	1.02
5.267	1.35	11.267	8.12	17.267	1.52	23.27	1.02
5.283	1.35	11.283	8.12	17.283	1.52	23.28	1.02
5.300	1.35	11.300	8.12	17.300	1.52	23.30	1.02
5.317	1.35	11.317	8.12	17.317	1.52	23.32	1.02
5.333	1.35	11.333	8.12	17.333	1.52	23.33	1.02
5.350	1.35	11.350	8.12	17.350	1.52	23.35	1.02
5.367	1.35	11.367	8.12	17.367	1.52	23.37	1.02
5.383	1.35	11.383	8.12	17.383	1.52	23.38	1.02
5.400	1.35	11.400	8.12	17.400	1.52	23.40	1.02
5.417	1.35	11.417	8.12	17.417	1.52	23.42	1.02
5.433	1.35	11.433	8.12	17.433	1.52	23.43	1.02
5.450	1.35	11.450	8.12	17.450	1.52	23.45	1.02
5.467	1.35	11.467	8.12	17.467	1.52	23.47	1.02
5.483	1.35	11.483	8.12	17.483	1.52	23.48	1.02
5.500	1.35	11.500	8.12	17.500	1.52	23.50	1.02
5.517	1.35	11.517	25.03	17.517	1.52	23.52	1.02
5.533	1.35	11.533	25.04	17.533	1.52	23.53	1.02
5.550	1.35	11.550	25.04	17.550	1.52	23.55	1.02
5.567	1.35	11.567	25.04	17.567	1.52	23.57	1.02
5.583	1.35	11.583	25.04	17.583	1.52	23.58	1.02
5.600	1.35	11.600	25.04	17.600	1.52	23.60	1.02
5.617	1.35	11.617	25.04	17.617	1.52	23.62	1.02
5.633	1.35	11.633	25.04	17.633	1.52	23.63	1.02
5.650	1.35	11.650	25.04	17.650	1.52	23.65	1.02
5.667	1.35	11.667	25.04	17.667	1.52	23.67	1.02
5.683	1.35	11.683	25.04	17.683	1.52	23.68	1.02

5.700	1.35	11.700	25.04	17.700	1.52	23.70	1.02
5.717	1.35	11.717	25.04	17.717	1.52	23.72	1.02
5.733	1.35	11.733	25.04	17.733	1.52	23.73	1.02
5.750	1.35	11.750	25.04	17.750	1.52	23.75	1.02
5.767	1.35	11.767	103.50	17.767	1.52	23.77	1.02
5.783	1.35	11.783	103.54	17.783	1.52	23.78	1.02
5.800	1.35	11.800	103.54	17.800	1.52	23.80	1.02
5.817	1.35	11.817	103.54	17.817	1.52	23.82	1.02
5.833	1.35	11.833	103.54	17.833	1.52	23.83	1.02
5.850	1.35	11.850	103.54	17.850	1.52	23.85	1.02
5.867	1.35	11.867	103.54	17.867	1.52	23.87	1.02
5.883	1.35	11.883	103.54	17.883	1.52	23.88	1.02
5.900	1.35	11.900	103.54	17.900	1.52	23.90	1.02
5.917	1.35	11.917	103.54	17.917	1.52	23.92	1.02
5.933	1.35	11.933	103.54	17.933	1.52	23.93	1.02
5.950	1.35	11.950	103.54	17.950	1.52	23.95	1.02
5.967	1.35	11.967	103.54	17.967	1.52	23.97	1.02
5.983	1.35	11.983	103.54	17.983	1.52	23.98	1.02
6.000	1.35	12.000	103.54	18.000	1.52	24.00	1.02

Max.Eff.Inten.(mm/hr)= 103.54 54.64
over (min) 5.00 12.00
Storage Coeff. (min)= 4.85 (ii) 11.19 (ii)
Unit Hyd. Tpeak (min)= 5.00 12.00
Unit Hyd. peak (cms)= 0.23 0.10

TOTALS

PEAK FLOW (cms)= 2.54 0.71 3.120 (iii)
TIME TO PEAK (hrs)= 12.00 12.10 12.02
RUNOFF VOLUME (mm)= 82.59 27.40 53.89
TOTAL RAINFALL (mm)= 84.59 84.59 84.59
RUNOFF COEFFICIENT = 0.98 0.32 0.64

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)		OVERFLOW IS OFF			
IN= 2----> OUT= 1					
DT= 5.0 min					
		OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
		0.0000	0.0000	0.1330	0.5200
		0.0380	0.2900	0.1650	0.5800
		0.0680	0.3850	0.2000	0.6300
		0.0940	0.4500	0.4800	1.1000
		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)		19.500	3.120	12.02	53.89
OUTFLOW: ID= 1 (0001)		19.500	0.214	13.17	41.07
		PEAK FLOW REDUCTION [Qout/Qin](%)= 6.86			
		TIME SHIFT OF PEAK FLOW (min)= 69.00			
		MAXIMUM STORAGE USED (ha.m.)= 0.6536			

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB					
STANDHYD (0202)					
ID= 1 DT= 1.0 min					
		Area (ha)= 0.21			
		Total Imp(%)= 65.00	Dir. Conn.(%)= 65.00		
		IMPERVIOUS	PERVIOUS (i)		
Surface Area (ha)=		0.14	0.07		
Dep. Storage (mm)=		2.00	5.00		
Average slope (%)=		1.00	2.00		
Length (m)=		15.25	40.00		
Mannings n =		0.013	0.250		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.93	6.017	1.52	12.017	12.24	18.02	1.52
0.033	0.93	6.033	1.52	12.033	12.18	18.03	1.52
0.050	0.93	6.050	1.52	12.050	12.18	18.05	1.52
0.067	0.93	6.067	1.52	12.067	12.18	18.07	1.52
0.083	0.93	6.083	1.52	12.083	12.18	18.08	1.52

0.100	0.93	6.100	1.52	12.100	12.18	18.10	1.52
0.117	0.93	6.117	1.52	12.117	12.18	18.12	1.52
0.133	0.93	6.133	1.52	12.133	12.18	18.13	1.52
0.150	0.93	6.150	1.52	12.150	12.18	18.15	1.52
0.167	0.93	6.167	1.52	12.167	12.18	18.17	1.52
0.183	0.93	6.183	1.52	12.183	12.18	18.18	1.52
0.200	0.93	6.200	1.52	12.200	12.18	18.20	1.52
0.217	0.93	6.217	1.52	12.217	12.18	18.22	1.52
0.233	0.93	6.233	1.52	12.233	12.18	18.23	1.52
0.250	0.93	6.250	1.52	12.250	12.18	18.25	1.52
0.267	0.93	6.267	1.52	12.267	12.18	18.27	1.52
0.283	0.93	6.283	1.52	12.283	12.18	18.28	1.52
0.300	0.93	6.300	1.52	12.300	12.18	18.30	1.52
0.317	0.93	6.317	1.52	12.317	12.18	18.32	1.52
0.333	0.93	6.333	1.52	12.333	12.18	18.33	1.52
0.350	0.93	6.350	1.52	12.350	12.18	18.35	1.52
0.367	0.93	6.367	1.52	12.367	12.18	18.37	1.52
0.383	0.93	6.383	1.52	12.383	12.18	18.38	1.52
0.400	0.93	6.400	1.52	12.400	12.18	18.40	1.52
0.417	0.93	6.417	1.52	12.417	12.18	18.42	1.52
0.433	0.93	6.433	1.52	12.433	12.18	18.43	1.52
0.450	0.93	6.450	1.52	12.450	12.18	18.45	1.52
0.467	0.93	6.467	1.52	12.467	12.18	18.47	1.52
0.483	0.93	6.483	1.52	12.483	12.18	18.48	1.52
0.500	0.93	6.500	1.52	12.500	12.18	18.50	1.52
0.517	0.93	6.517	1.52	12.517	6.27	18.52	1.52
0.533	0.93	6.533	1.52	12.533	6.26	18.53	1.52
0.550	0.93	6.550	1.52	12.550	6.26	18.55	1.52
0.567	0.93	6.567	1.52	12.567	6.26	18.57	1.52
0.583	0.93	6.583	1.52	12.583	6.26	18.58	1.52
0.600	0.93	6.600	1.52	12.600	6.26	18.60	1.52
0.617	0.93	6.617	1.52	12.617	6.26	18.62	1.52
0.633	0.93	6.633	1.52	12.633	6.26	18.63	1.52
0.650	0.93	6.650	1.52	12.650	6.26	18.65	1.52
0.667	0.93	6.667	1.52	12.667	6.26	18.67	1.52
0.683	0.93	6.683	1.52	12.683	6.26	18.68	1.52
0.700	0.93	6.700	1.52	12.700	6.26	18.70	1.52
0.717	0.93	6.717	1.52	12.717	6.26	18.72	1.52
0.733	0.93	6.733	1.52	12.733	6.26	18.73	1.52
0.750	0.93	6.750	1.52	12.750	6.26	18.75	1.52
0.767	0.93	6.767	1.52	12.767	6.26	18.77	1.52
0.783	0.93	6.783	1.52	12.783	6.26	18.78	1.52
0.800	0.93	6.800	1.52	12.800	6.26	18.80	1.52
0.817	0.93	6.817	1.52	12.817	6.26	18.82	1.52
0.833	0.93	6.833	1.52	12.833	6.26	18.83	1.52
0.850	0.93	6.850	1.52	12.850	6.26	18.85	1.52
0.867	0.93	6.867	1.52	12.867	6.26	18.87	1.52
0.883	0.93	6.883	1.52	12.883	6.26	18.88	1.52
0.900	0.93	6.900	1.52	12.900	6.26	18.90	1.52
0.917	0.93	6.917	1.52	12.917	6.26	18.92	1.52
0.933	0.93	6.933	1.52	12.933	6.26	18.93	1.52
0.950	0.93	6.950	1.52	12.950	6.26	18.95	1.52
0.967	0.93	6.967	1.52	12.967	6.26	18.97	1.52
0.983	0.93	6.983	1.52	12.983	6.26	18.98	1.52
1.000	0.93	7.000	1.52	13.000	6.26	19.00	1.52
1.017	0.93	7.017	1.86	13.017	4.57	19.02	1.52
1.033	0.93	7.033	1.86	13.033	4.57	19.03	1.52
1.050	0.93	7.050	1.86	13.050	4.57	19.05	1.52
1.067	0.93	7.067	1.86	13.067	4.57	19.07	1.52
1.083	0.93	7.083	1.86	13.083	4.57	19.08	1.52
1.100	0.93	7.100	1.86	13.100	4.57	19.10	1.52
1.117	0.93	7.117	1.86	13.117	4.57	19.12	1.52
1.133	0.93	7.133	1.86	13.133	4.57	19.13	1.52
1.150	0.93	7.150	1.86	13.150	4.57	19.15	1.52
1.167	0.93	7.167	1.86	13.167	4.57	19.17	1.52
1.183	0.93	7.183	1.86	13.183	4.57	19.18	1.52
1.200	0.93	7.200	1.86	13.200	4.57	19.20	1.52
1.217	0.93	7.217	1.86	13.217	4.57	19.22	1.52
1.233	0.93	7.233	1.86	13.233	4.57	19.23	1.52
1.250	0.93	7.250	1.86	13.250	4.57	19.25	1.52
1.267	0.93	7.267	1.86	13.267	4.57	19.27	1.52
1.283	0.93	7.283	1.86	13.283	4.57	19.28	1.52
1.300	0.93	7.300	1.86	13.300	4.57	19.30	1.52
1.317	0.93	7.317	1.86	13.317	4.57	19.32	1.52
1.333	0.93	7.333	1.86	13.333	4.57	19.33	1.52
1.350	0.93	7.350	1.86	13.350	4.57	19.35	1.52
1.367	0.93	7.367	1.86	13.367	4.57	19.37	1.52
1.383	0.93	7.383	1.86	13.383	4.57	19.38	1.52
1.400	0.93	7.400	1.86	13.400	4.57	19.40	1.52
1.417	0.93	7.417	1.86	13.417	4.57	19.42	1.52
1.433	0.93	7.433	1.86	13.433	4.57	19.43	1.52
1.450	0.93	7.450	1.86	13.450	4.57	19.45	1.52
1.467	0.93	7.467	1.86	13.467	4.57	19.47	1.52
1.483	0.93	7.483	1.86	13.483	4.57	19.48	1.52

1.500	0.93	7.500	1.86	13.500	4.57	19.50	1.52
1.517	0.93	7.517	1.86	13.517	3.55	19.52	1.52
1.533	0.93	7.533	1.86	13.533	3.55	19.53	1.52
1.550	0.93	7.550	1.86	13.550	3.55	19.55	1.52
1.567	0.93	7.567	1.86	13.567	3.55	19.57	1.52
1.583	0.93	7.583	1.86	13.583	3.55	19.58	1.52
1.600	0.93	7.600	1.86	13.600	3.55	19.60	1.52
1.617	0.93	7.617	1.86	13.617	3.55	19.62	1.52
1.633	0.93	7.633	1.86	13.633	3.55	19.63	1.52
1.650	0.93	7.650	1.86	13.650	3.55	19.65	1.52
1.667	0.93	7.667	1.86	13.667	3.55	19.67	1.52
1.683	0.93	7.683	1.86	13.683	3.55	19.68	1.52
1.700	0.93	7.700	1.86	13.700	3.55	19.70	1.52
1.717	0.93	7.717	1.86	13.717	3.55	19.72	1.52
1.733	0.93	7.733	1.86	13.733	3.55	19.73	1.52
1.750	0.93	7.750	1.86	13.750	3.55	19.75	1.52
1.767	0.93	7.767	1.86	13.767	3.55	19.77	1.52
1.783	0.93	7.783	1.86	13.783	3.55	19.78	1.52
1.800	0.93	7.800	1.86	13.800	3.55	19.80	1.52
1.817	0.93	7.817	1.86	13.817	3.55	19.82	1.52
1.833	0.93	7.833	1.86	13.833	3.55	19.83	1.52
1.850	0.93	7.850	1.86	13.850	3.55	19.85	1.52
1.867	0.93	7.867	1.86	13.867	3.55	19.87	1.52
1.883	0.93	7.883	1.86	13.883	3.55	19.88	1.52
1.900	0.93	7.900	1.86	13.900	3.55	19.90	1.52
1.917	0.93	7.917	1.86	13.917	3.55	19.92	1.52
1.933	0.93	7.933	1.86	13.933	3.55	19.93	1.52
1.950	0.93	7.950	1.86	13.950	3.55	19.95	1.52
1.967	0.93	7.967	1.86	13.967	3.55	19.97	1.52
1.983	0.93	7.983	1.86	13.983	3.55	19.98	1.52
2.000	0.93	8.000	1.86	14.000	3.55	20.00	1.52
2.017	1.10	8.017	2.20	14.017	2.54	20.02	1.02
2.033	1.10	8.033	2.20	14.033	2.54	20.03	1.02
2.050	1.10	8.050	2.20	14.050	2.54	20.05	1.02
2.067	1.10	8.067	2.20	14.067	2.54	20.07	1.02
2.083	1.10	8.083	2.20	14.083	2.54	20.08	1.02
2.100	1.10	8.100	2.20	14.100	2.54	20.10	1.02
2.117	1.10	8.117	2.20	14.117	2.54	20.12	1.02
2.133	1.10	8.133	2.20	14.133	2.54	20.13	1.02
2.150	1.10	8.150	2.20	14.150	2.54	20.15	1.02
2.167	1.10	8.167	2.20	14.167	2.54	20.17	1.02
2.183	1.10	8.183	2.20	14.183	2.54	20.18	1.02
2.200	1.10	8.200	2.20	14.200	2.54	20.20	1.02
2.217	1.10	8.217	2.20	14.217	2.54	20.22	1.02
2.233	1.10	8.233	2.20	14.233	2.54	20.23	1.02
2.250	1.10	8.250	2.20	14.250	2.54	20.25	1.02
2.267	1.10	8.267	2.20	14.267	2.54	20.27	1.02
2.283	1.10	8.283	2.20	14.283	2.54	20.28	1.02
2.300	1.10	8.300	2.20	14.300	2.54	20.30	1.02
2.317	1.10	8.317	2.20	14.317	2.54	20.32	1.02
2.333	1.10	8.333	2.20	14.333	2.54	20.33	1.02
2.350	1.10	8.350	2.20	14.350	2.54	20.35	1.02
2.367	1.10	8.367	2.20	14.367	2.54	20.37	1.02
2.383	1.10	8.383	2.20	14.383	2.54	20.38	1.02
2.400	1.10	8.400	2.20	14.400	2.54	20.40	1.02
2.417	1.10	8.417	2.20	14.417	2.54	20.42	1.02
2.433	1.10	8.433	2.20	14.433	2.54	20.43	1.02
2.450	1.10	8.450	2.20	14.450	2.54	20.45	1.02
2.467	1.10	8.467	2.20	14.467	2.54	20.47	1.02
2.483	1.10	8.483	2.20	14.483	2.54	20.48	1.02
2.500	1.10	8.500	2.20	14.500	2.54	20.50	1.02
2.517	1.10	8.517	2.37	14.517	2.54	20.52	1.02
2.533	1.10	8.533	2.37	14.533	2.54	20.53	1.02
2.550	1.10	8.550	2.37	14.550	2.54	20.55	1.02
2.567	1.10	8.567	2.37	14.567	2.54	20.57	1.02
2.583	1.10	8.583	2.37	14.583	2.54	20.58	1.02
2.600	1.10	8.600	2.37	14.600	2.54	20.60	1.02
2.617	1.10	8.617	2.37	14.617	2.54	20.62	1.02
2.633	1.10	8.633	2.37	14.633	2.54	20.63	1.02
2.650	1.10	8.650	2.37	14.650	2.54	20.65	1.02
2.667	1.10	8.667	2.37	14.667	2.54	20.67	1.02
2.683	1.10	8.683	2.37	14.683	2.54	20.68	1.02
2.700	1.10	8.700	2.37	14.700	2.54	20.70	1.02
2.717	1.10	8.717	2.37	14.717	2.54	20.72	1.02
2.733	1.10	8.733	2.37	14.733	2.54	20.73	1.02
2.750	1.10	8.750	2.37	14.750	2.54	20.75	1.02
2.767	1.10	8.767	2.37	14.767	2.54	20.77	1.02
2.783	1.10	8.783	2.37	14.783	2.54	20.78	1.02
2.800	1.10	8.800	2.37	14.800	2.54	20.80	1.02
2.817	1.10	8.817	2.37	14.817	2.54	20.82	1.02
2.833	1.10	8.833	2.37	14.833	2.54	20.83	1.02
2.850	1.10	8.850	2.37	14.850	2.54	20.85	1.02
2.867	1.10	8.867	2.37	14.867	2.54	20.87	1.02
2.883	1.10	8.883	2.37	14.883	2.54	20.88	1.02

2.900	1.10	8.900	2.37	14.900	2.54	20.90	1.02
2.917	1.10	8.917	2.37	14.917	2.54	20.92	1.02
2.933	1.10	8.933	2.37	14.933	2.54	20.93	1.02
2.950	1.10	8.950	2.37	14.950	2.54	20.95	1.02
2.967	1.10	8.967	2.37	14.967	2.54	20.97	1.02
2.983	1.10	8.983	2.37	14.983	2.54	20.98	1.02
3.000	1.10	9.000	2.37	15.000	2.54	21.00	1.02
3.017	1.10	9.017	2.71	15.017	2.54	21.02	1.02
3.033	1.10	9.033	2.71	15.033	2.54	21.03	1.02
3.050	1.10	9.050	2.71	15.050	2.54	21.05	1.02
3.067	1.10	9.067	2.71	15.067	2.54	21.07	1.02
3.083	1.10	9.083	2.71	15.083	2.54	21.08	1.02
3.100	1.10	9.100	2.71	15.100	2.54	21.10	1.02
3.117	1.10	9.117	2.71	15.117	2.54	21.12	1.02
3.133	1.10	9.133	2.71	15.133	2.54	21.13	1.02
3.150	1.10	9.150	2.71	15.150	2.54	21.15	1.02
3.167	1.10	9.167	2.71	15.167	2.54	21.17	1.02
3.183	1.10	9.183	2.71	15.183	2.54	21.18	1.02
3.200	1.10	9.200	2.71	15.200	2.54	21.20	1.02
3.217	1.10	9.217	2.71	15.217	2.54	21.22	1.02
3.233	1.10	9.233	2.71	15.233	2.54	21.23	1.02
3.250	1.10	9.250	2.71	15.250	2.54	21.25	1.02
3.267	1.10	9.267	2.71	15.267	2.54	21.27	1.02
3.283	1.10	9.283	2.71	15.283	2.54	21.28	1.02
3.300	1.10	9.300	2.71	15.300	2.54	21.30	1.02
3.317	1.10	9.317	2.71	15.317	2.54	21.32	1.02
3.333	1.10	9.333	2.71	15.333	2.54	21.33	1.02
3.350	1.10	9.350	2.71	15.350	2.54	21.35	1.02
3.367	1.10	9.367	2.71	15.367	2.54	21.37	1.02
3.383	1.10	9.383	2.71	15.383	2.54	21.38	1.02
3.400	1.10	9.400	2.71	15.400	2.54	21.40	1.02
3.417	1.10	9.417	2.71	15.417	2.54	21.42	1.02
3.433	1.10	9.433	2.71	15.433	2.54	21.43	1.02
3.450	1.10	9.450	2.71	15.450	2.54	21.45	1.02
3.467	1.10	9.467	2.71	15.467	2.54	21.47	1.02
3.483	1.10	9.483	2.71	15.483	2.54	21.48	1.02
3.500	1.10	9.500	2.71	15.500	2.54	21.50	1.02
3.517	1.10	9.517	3.05	15.517	2.54	21.52	1.02
3.533	1.10	9.533	3.05	15.533	2.54	21.53	1.02
3.550	1.10	9.550	3.05	15.550	2.54	21.55	1.02
3.567	1.10	9.567	3.05	15.567	2.54	21.57	1.02
3.583	1.10	9.583	3.05	15.583	2.54	21.58	1.02
3.600	1.10	9.600	3.05	15.600	2.54	21.60	1.02
3.617	1.10	9.617	3.05	15.617	2.54	21.62	1.02
3.633	1.10	9.633	3.05	15.633	2.54	21.63	1.02
3.650	1.10	9.650	3.05	15.650	2.54	21.65	1.02
3.667	1.10	9.667	3.05	15.667	2.54	21.67	1.02
3.683	1.10	9.683	3.05	15.683	2.54	21.68	1.02
3.700	1.10	9.700	3.05	15.700	2.54	21.70	1.02
3.717	1.10	9.717	3.05	15.717	2.54	21.72	1.02
3.733	1.10	9.733	3.05	15.733	2.54	21.73	1.02
3.750	1.10	9.750	3.05	15.750	2.54	21.75	1.02
3.767	1.10	9.767	3.05	15.767	2.54	21.77	1.02
3.783	1.10	9.783	3.05	15.783	2.54	21.78	1.02
3.800	1.10	9.800	3.05	15.800	2.54	21.80	1.02
3.817	1.10	9.817	3.05	15.817	2.54	21.82	1.02
3.833	1.10	9.833	3.05	15.833	2.54	21.83	1.02
3.850	1.10	9.850	3.05	15.850	2.54	21.85	1.02
3.867	1.10	9.867	3.05	15.867	2.54	21.87	1.02
3.883	1.10	9.883	3.05	15.883	2.54	21.88	1.02
3.900	1.10	9.900	3.05	15.900	2.54	21.90	1.02
3.917	1.10	9.917	3.05	15.917	2.54	21.92	1.02
3.933	1.10	9.933	3.05	15.933	2.54	21.93	1.02
3.950	1.10	9.950	3.05	15.950	2.54	21.95	1.02
3.967	1.10	9.967	3.05	15.967	2.54	21.97	1.02
3.983	1.10	9.983	3.05	15.983	2.54	21.98	1.02
4.000	1.10	10.000	3.05	16.000	2.54	22.00	1.02
4.017	1.35	10.017	3.89	16.017	1.53	22.02	1.02
4.033	1.35	10.033	3.89	16.033	1.52	22.03	1.02
4.050	1.35	10.050	3.89	16.050	1.52	22.05	1.02
4.067	1.35	10.067	3.89	16.067	1.52	22.07	1.02
4.083	1.35	10.083	3.89	16.083	1.52	22.08	1.02
4.100	1.35	10.100	3.89	16.100	1.52	22.10	1.02
4.117	1.35	10.117	3.89	16.117	1.52	22.12	1.02
4.133	1.35	10.133	3.89	16.133	1.52	22.13	1.02
4.150	1.35	10.150	3.89	16.150	1.52	22.15	1.02
4.167	1.35	10.167	3.89	16.167	1.52	22.17	1.02
4.183	1.35	10.183	3.89	16.183	1.52	22.18	1.02
4.200	1.35	10.200	3.89	16.200	1.52	22.20	1.02
4.217	1.35	10.217	3.89	16.217	1.52	22.22	1.02
4.233	1.35	10.233	3.89	16.233	1.52	22.23	1.02
4.250	1.35	10.250	3.89	16.250	1.52	22.25	1.02
4.267	1.35	10.267	3.89	16.267	1.52	22.27	1.02
4.283	1.35	10.283	3.89	16.283	1.52	22.28	1.02

4.300	1.35	10.300	3.89	16.300	1.52	22.30	1.02
4.317	1.35	10.317	3.89	16.317	1.52	22.32	1.02
4.333	1.35	10.333	3.89	16.333	1.52	22.33	1.02
4.350	1.35	10.350	3.89	16.350	1.52	22.35	1.02
4.367	1.35	10.367	3.89	16.367	1.52	22.37	1.02
4.383	1.35	10.383	3.89	16.383	1.52	22.38	1.02
4.400	1.35	10.400	3.89	16.400	1.52	22.40	1.02
4.417	1.35	10.417	3.89	16.417	1.52	22.42	1.02
4.433	1.35	10.433	3.89	16.433	1.52	22.43	1.02
4.450	1.35	10.450	3.89	16.450	1.52	22.45	1.02
4.467	1.35	10.467	3.89	16.467	1.52	22.47	1.02
4.483	1.35	10.483	3.89	16.483	1.52	22.48	1.02
4.500	1.35	10.500	3.89	16.500	1.52	22.50	1.02
4.517	1.35	10.517	5.24	16.517	1.52	22.52	1.02
4.533	1.35	10.533	5.24	16.533	1.52	22.53	1.02
4.550	1.35	10.550	5.24	16.550	1.52	22.55	1.02
4.567	1.35	10.567	5.24	16.567	1.52	22.57	1.02
4.583	1.35	10.583	5.24	16.583	1.52	22.58	1.02
4.600	1.35	10.600	5.24	16.600	1.52	22.60	1.02
4.617	1.35	10.617	5.24	16.617	1.52	22.62	1.02
4.633	1.35	10.633	5.24	16.633	1.52	22.63	1.02
4.650	1.35	10.650	5.24	16.650	1.52	22.65	1.02
4.667	1.35	10.667	5.24	16.667	1.52	22.67	1.02
4.683	1.35	10.683	5.24	16.683	1.52	22.68	1.02
4.700	1.35	10.700	5.24	16.700	1.52	22.70	1.02
4.717	1.35	10.717	5.24	16.717	1.52	22.72	1.02
4.733	1.35	10.733	5.24	16.733	1.52	22.73	1.02
4.750	1.35	10.750	5.24	16.750	1.52	22.75	1.02
4.767	1.35	10.767	5.24	16.767	1.52	22.77	1.02
4.783	1.35	10.783	5.24	16.783	1.52	22.78	1.02
4.800	1.35	10.800	5.24	16.800	1.52	22.80	1.02
4.817	1.35	10.817	5.24	16.817	1.52	22.82	1.02
4.833	1.35	10.833	5.24	16.833	1.52	22.83	1.02
4.850	1.35	10.850	5.24	16.850	1.52	22.85	1.02
4.867	1.35	10.867	5.24	16.867	1.52	22.87	1.02
4.883	1.35	10.883	5.24	16.883	1.52	22.88	1.02
4.900	1.35	10.900	5.24	16.900	1.52	22.90	1.02
4.917	1.35	10.917	5.24	16.917	1.52	22.92	1.02
4.933	1.35	10.933	5.24	16.933	1.52	22.93	1.02
4.950	1.35	10.950	5.24	16.950	1.52	22.95	1.02
4.967	1.35	10.967	5.24	16.967	1.52	22.97	1.02
4.983	1.35	10.983	5.24	16.983	1.52	22.98	1.02
5.000	1.35	11.000	5.25	17.000	1.52	23.00	1.02
5.017	1.35	11.017	8.12	17.017	1.52	23.02	1.02
5.033	1.35	11.033	8.12	17.033	1.52	23.03	1.02
5.050	1.35	11.050	8.12	17.050	1.52	23.05	1.02
5.067	1.35	11.067	8.12	17.067	1.52	23.07	1.02
5.083	1.35	11.083	8.12	17.083	1.52	23.08	1.02
5.100	1.35	11.100	8.12	17.100	1.52	23.10	1.02
5.117	1.35	11.117	8.12	17.117	1.52	23.12	1.02
5.133	1.35	11.133	8.12	17.133	1.52	23.13	1.02
5.150	1.35	11.150	8.12	17.150	1.52	23.15	1.02
5.167	1.35	11.167	8.12	17.167	1.52	23.17	1.02
5.183	1.35	11.183	8.12	17.183	1.52	23.18	1.02
5.200	1.35	11.200	8.12	17.200	1.52	23.20	1.02
5.217	1.35	11.217	8.12	17.217	1.52	23.22	1.02
5.233	1.35	11.233	8.12	17.233	1.52	23.23	1.02
5.250	1.35	11.250	8.12	17.250	1.52	23.25	1.02
5.267	1.35	11.267	8.12	17.267	1.52	23.27	1.02
5.283	1.35	11.283	8.12	17.283	1.52	23.28	1.02
5.300	1.35	11.300	8.12	17.300	1.52	23.30	1.02
5.317	1.35	11.317	8.12	17.317	1.52	23.32	1.02
5.333	1.35	11.333	8.12	17.333	1.52	23.33	1.02
5.350	1.35	11.350	8.12	17.350	1.52	23.35	1.02
5.367	1.35	11.367	8.12	17.367	1.52	23.37	1.02
5.383	1.35	11.383	8.12	17.383	1.52	23.38	1.02
5.400	1.35	11.400	8.12	17.400	1.52	23.40	1.02
5.417	1.35	11.417	8.12	17.417	1.52	23.42	1.02
5.433	1.35	11.433	8.12	17.433	1.52	23.43	1.02
5.450	1.35	11.450	8.12	17.450	1.52	23.45	1.02
5.467	1.35	11.467	8.12	17.467	1.52	23.47	1.02
5.483	1.35	11.483	8.12	17.483	1.52	23.48	1.02
5.500	1.35	11.500	8.12	17.500	1.52	23.50	1.02
5.517	1.35	11.517	25.03	17.517	1.52	23.52	1.02
5.533	1.35	11.533	25.04	17.533	1.52	23.53	1.02
5.550	1.35	11.550	25.04	17.550	1.52	23.55	1.02
5.567	1.35	11.567	25.04	17.567	1.52	23.57	1.02
5.583	1.35	11.583	25.04	17.583	1.52	23.58	1.02
5.600	1.35	11.600	25.04	17.600	1.52	23.60	1.02
5.617	1.35	11.617	25.04	17.617	1.52	23.62	1.02
5.633	1.35	11.633	25.04	17.633	1.52	23.63	1.02
5.650	1.35	11.650	25.04	17.650	1.52	23.65	1.02
5.667	1.35	11.667	25.04	17.667	1.52	23.67	1.02
5.683	1.35	11.683	25.04	17.683	1.52	23.68	1.02

5.700	1.35	11.700	25.04	17.700	1.52	23.70	1.02
5.717	1.35	11.717	25.04	17.717	1.52	23.72	1.02
5.733	1.35	11.733	25.04	17.733	1.52	23.73	1.02
5.750	1.35	11.750	25.04	17.750	1.52	23.75	1.02
5.767	1.35	11.767	103.50	17.767	1.52	23.77	1.02
5.783	1.35	11.783	103.54	17.783	1.52	23.78	1.02
5.800	1.35	11.800	103.54	17.800	1.52	23.80	1.02
5.817	1.35	11.817	103.54	17.817	1.52	23.82	1.02
5.833	1.35	11.833	103.54	17.833	1.52	23.83	1.02
5.850	1.35	11.850	103.54	17.850	1.52	23.85	1.02
5.867	1.35	11.867	103.54	17.867	1.52	23.87	1.02
5.883	1.35	11.883	103.54	17.883	1.52	23.88	1.02
5.900	1.35	11.900	103.54	17.900	1.52	23.90	1.02
5.917	1.35	11.917	103.54	17.917	1.52	23.92	1.02
5.933	1.35	11.933	103.54	17.933	1.52	23.93	1.02
5.950	1.35	11.950	103.54	17.950	1.52	23.95	1.02
5.967	1.35	11.967	103.54	17.967	1.52	23.97	1.02
5.983	1.35	11.983	103.54	17.983	1.52	23.98	1.02
6.000	1.35	12.000	103.54	18.000	1.52	24.00	1.02

Max.Eff.Inten.(mm/hr)=	103.54	31.10	
over (min)	5.00	7.00	
Storage Coeff. (min)=	0.82 (ii)	6.25 (ii)	
Unit Hyd. Tpeak (min)=	5.00	7.00	
Unit Hyd. peak (cms)=	0.50	0.17	
			TOTALS
PEAK FLOW (cms)=	0.04	0.01	0.044 (iii)
TIME TO PEAK (hrs)=	11.98	12.03	12.00
RUNOFF VOLUME (mm)=	82.59	21.40	61.16
TOTAL RAINFALL (mm)=	84.59	84.59	84.59
RUNOFF COEFFICIENT =	0.98	0.25	0.72

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)					
1 + 2 = 3					
		AREA	QPEAK	TPEAK	R.V.
		(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0001):		19.50	0.214	13.17	41.07
+ ID2= 2 (0202):		0.21	0.044	12.00	61.16
=====					
ID = 3 (0015):		19.71	0.216	13.05	41.28

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:4.4 SCS II 24hr 25yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData\Local\Temp\ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\bcfe1e71
Ptotal= 98.78 mm	Comments: SCS 24 HOUR TYPE II STORM DISTRIBUTION 1

Duration of storm = 24.00 hrs

Mass curve time step = 15.00 min

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	1.09	6.00	1.78	12.00	14.22	18.00	1.78
0.25	1.09	6.25	1.78	12.25	14.22	18.25	1.78
0.50	1.09	6.50	1.78	12.50	7.31	18.50	1.78
0.75	1.09	6.75	1.78	12.75	7.31	18.75	1.78
1.00	1.09	7.00	2.17	13.00	5.33	19.00	1.78
1.25	1.09	7.25	2.17	13.25	5.33	19.25	1.78
1.50	1.09	7.50	2.17	13.50	4.15	19.50	1.78
1.75	1.09	7.75	2.17	13.75	4.15	19.75	1.78
2.00	1.28	8.00	2.57	14.00	2.96	20.00	1.19
2.25	1.28	8.25	2.57	14.25	2.96	20.25	1.19
2.50	1.28	8.50	2.77	14.50	2.96	20.50	1.19
2.75	1.28	8.75	2.77	14.75	2.96	20.75	1.19
3.00	1.28	9.00	3.16	15.00	2.96	21.00	1.19
3.25	1.28	9.25	3.16	15.25	2.96	21.25	1.19
3.50	1.28	9.50	3.56	15.50	2.96	21.50	1.19
3.75	1.28	9.75	3.56	15.75	2.96	21.75	1.19
4.00	1.58	10.00	4.54	16.00	1.78	22.00	1.19

4.25	1.58	10.25	4.54	16.25	1.78	22.25	1.19
4.50	1.58	10.50	6.12	16.50	1.78	22.50	1.19
4.75	1.58	10.75	6.12	16.75	1.78	22.75	1.19
5.00	1.58	11.00	9.48	17.00	1.78	23.00	1.19
5.25	1.58	11.25	9.48	17.25	1.78	23.25	1.19
5.50	1.58	11.50	29.24	17.50	1.78	23.50	1.19
5.75	1.58	11.75	120.91	17.75	1.78	23.75	1.19

CALIB	
STANDHYD (0201)	
ID= 1 DT= 1.0 min	Area (ha)= 19.50 Total Imp(%)= 62.00 Dir. Conn.(%)= 48.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	12.09	7.41
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	298.34	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.09	6.017	1.78	12.017	14.30	18.02	1.78
0.033	1.09	6.033	1.78	12.033	14.22	18.03	1.78
0.050	1.09	6.050	1.78	12.050	14.22	18.05	1.78
0.067	1.09	6.067	1.78	12.067	14.22	18.07	1.78
0.083	1.09	6.083	1.78	12.083	14.22	18.08	1.78
0.100	1.09	6.100	1.78	12.100	14.22	18.10	1.78
0.117	1.09	6.117	1.78	12.117	14.22	18.12	1.78
0.133	1.09	6.133	1.78	12.133	14.22	18.13	1.78
0.150	1.09	6.150	1.78	12.150	14.22	18.15	1.78
0.167	1.09	6.167	1.78	12.167	14.22	18.17	1.78
0.183	1.09	6.183	1.78	12.183	14.22	18.18	1.78
0.200	1.09	6.200	1.78	12.200	14.22	18.20	1.78
0.217	1.09	6.217	1.78	12.217	14.22	18.22	1.78
0.233	1.09	6.233	1.78	12.233	14.22	18.23	1.78
0.250	1.09	6.250	1.78	12.250	14.22	18.25	1.78
0.267	1.09	6.267	1.78	12.267	14.22	18.27	1.78
0.283	1.09	6.283	1.78	12.283	14.22	18.28	1.78
0.300	1.09	6.300	1.78	12.300	14.22	18.30	1.78
0.317	1.09	6.317	1.78	12.317	14.22	18.32	1.78
0.333	1.09	6.333	1.78	12.333	14.22	18.33	1.78
0.350	1.09	6.350	1.78	12.350	14.22	18.35	1.78
0.367	1.09	6.367	1.78	12.367	14.22	18.37	1.78
0.383	1.09	6.383	1.78	12.383	14.22	18.38	1.78
0.400	1.09	6.400	1.78	12.400	14.22	18.40	1.78
0.417	1.09	6.417	1.78	12.417	14.22	18.42	1.78
0.433	1.09	6.433	1.78	12.433	14.22	18.43	1.78
0.450	1.09	6.450	1.78	12.450	14.22	18.45	1.78
0.467	1.09	6.467	1.78	12.467	14.22	18.47	1.78
0.483	1.09	6.483	1.78	12.483	14.22	18.48	1.78
0.500	1.09	6.500	1.78	12.500	14.22	18.50	1.78
0.517	1.09	6.517	1.78	12.517	7.32	18.52	1.78
0.533	1.09	6.533	1.78	12.533	7.31	18.53	1.78
0.550	1.09	6.550	1.78	12.550	7.31	18.55	1.78
0.567	1.09	6.567	1.78	12.567	7.31	18.57	1.78
0.583	1.09	6.583	1.78	12.583	7.31	18.58	1.78
0.600	1.09	6.600	1.78	12.600	7.31	18.60	1.78
0.617	1.09	6.617	1.78	12.617	7.31	18.62	1.78
0.633	1.09	6.633	1.78	12.633	7.31	18.63	1.78
0.650	1.09	6.650	1.78	12.650	7.31	18.65	1.78
0.667	1.09	6.667	1.78	12.667	7.31	18.67	1.78
0.683	1.09	6.683	1.78	12.683	7.31	18.68	1.78
0.700	1.09	6.700	1.78	12.700	7.31	18.70	1.78
0.717	1.09	6.717	1.78	12.717	7.31	18.72	1.78
0.733	1.09	6.733	1.78	12.733	7.31	18.73	1.78
0.750	1.09	6.750	1.78	12.750	7.31	18.75	1.78
0.767	1.09	6.767	1.78	12.767	7.31	18.77	1.78
0.783	1.09	6.783	1.78	12.783	7.31	18.78	1.78
0.800	1.09	6.800	1.78	12.800	7.31	18.80	1.78
0.817	1.09	6.817	1.78	12.817	7.31	18.82	1.78
0.833	1.09	6.833	1.78	12.833	7.31	18.83	1.78
0.850	1.09	6.850	1.78	12.850	7.31	18.85	1.78
0.867	1.09	6.867	1.78	12.867	7.31	18.87	1.78
0.883	1.09	6.883	1.78	12.883	7.31	18.88	1.78
0.900	1.09	6.900	1.78	12.900	7.31	18.90	1.78
0.917	1.09	6.917	1.78	12.917	7.31	18.92	1.78
0.933	1.09	6.933	1.78	12.933	7.31	18.93	1.78
0.950	1.09	6.950	1.78	12.950	7.31	18.95	1.78

0.967	1.09	6.967	1.78	12.967	7.31	18.97	1.78
0.983	1.09	6.983	1.78	12.983	7.31	18.98	1.78
1.000	1.09	7.000	1.78	13.000	7.31	19.00	1.78
1.017	1.09	7.017	2.17	13.017	5.33	19.02	1.78
1.033	1.09	7.033	2.17	13.033	5.33	19.03	1.78
1.050	1.09	7.050	2.17	13.050	5.33	19.05	1.78
1.067	1.09	7.067	2.17	13.067	5.33	19.07	1.78
1.083	1.09	7.083	2.17	13.083	5.33	19.08	1.78
1.100	1.09	7.100	2.17	13.100	5.33	19.10	1.78
1.117	1.09	7.117	2.17	13.117	5.33	19.12	1.78
1.133	1.09	7.133	2.17	13.133	5.33	19.13	1.78
1.150	1.09	7.150	2.17	13.150	5.33	19.15	1.78
1.167	1.09	7.167	2.17	13.167	5.33	19.17	1.78
1.183	1.09	7.183	2.17	13.183	5.33	19.18	1.78
1.200	1.09	7.200	2.17	13.200	5.33	19.20	1.78
1.217	1.09	7.217	2.17	13.217	5.33	19.22	1.78
1.233	1.09	7.233	2.17	13.233	5.33	19.23	1.78
1.250	1.09	7.250	2.17	13.250	5.33	19.25	1.78
1.267	1.09	7.267	2.17	13.267	5.33	19.27	1.78
1.283	1.09	7.283	2.17	13.283	5.33	19.28	1.78
1.300	1.09	7.300	2.17	13.300	5.33	19.30	1.78
1.317	1.09	7.317	2.17	13.317	5.33	19.32	1.78
1.333	1.09	7.333	2.17	13.333	5.33	19.33	1.78
1.350	1.09	7.350	2.17	13.350	5.33	19.35	1.78
1.367	1.09	7.367	2.17	13.367	5.33	19.37	1.78
1.383	1.09	7.383	2.17	13.383	5.33	19.38	1.78
1.400	1.09	7.400	2.17	13.400	5.33	19.40	1.78
1.417	1.09	7.417	2.17	13.417	5.33	19.42	1.78
1.433	1.09	7.433	2.17	13.433	5.33	19.43	1.78
1.450	1.09	7.450	2.17	13.450	5.33	19.45	1.78
1.467	1.09	7.467	2.17	13.467	5.33	19.47	1.78
1.483	1.09	7.483	2.17	13.483	5.33	19.48	1.78
1.500	1.09	7.500	2.17	13.500	5.33	19.50	1.78
1.517	1.09	7.517	2.17	13.517	4.15	19.52	1.78
1.533	1.09	7.533	2.17	13.533	4.15	19.53	1.78
1.550	1.09	7.550	2.17	13.550	4.15	19.55	1.78
1.567	1.09	7.567	2.17	13.567	4.15	19.57	1.78
1.583	1.09	7.583	2.17	13.583	4.15	19.58	1.78
1.600	1.09	7.600	2.17	13.600	4.15	19.60	1.78
1.617	1.09	7.617	2.17	13.617	4.15	19.62	1.78
1.633	1.09	7.633	2.17	13.633	4.15	19.63	1.78
1.650	1.09	7.650	2.17	13.650	4.15	19.65	1.78
1.667	1.09	7.667	2.17	13.667	4.15	19.67	1.78
1.683	1.09	7.683	2.17	13.683	4.15	19.68	1.78
1.700	1.09	7.700	2.17	13.700	4.15	19.70	1.78
1.717	1.09	7.717	2.17	13.717	4.15	19.72	1.78
1.733	1.09	7.733	2.17	13.733	4.15	19.73	1.78
1.750	1.09	7.750	2.17	13.750	4.15	19.75	1.78
1.767	1.09	7.767	2.17	13.767	4.15	19.77	1.78
1.783	1.09	7.783	2.17	13.783	4.15	19.78	1.78
1.800	1.09	7.800	2.17	13.800	4.15	19.80	1.78
1.817	1.09	7.817	2.17	13.817	4.15	19.82	1.78
1.833	1.09	7.833	2.17	13.833	4.15	19.83	1.78
1.850	1.09	7.850	2.17	13.850	4.15	19.85	1.78
1.867	1.09	7.867	2.17	13.867	4.15	19.87	1.78
1.883	1.09	7.883	2.17	13.883	4.15	19.88	1.78
1.900	1.09	7.900	2.17	13.900	4.15	19.90	1.78
1.917	1.09	7.917	2.17	13.917	4.15	19.92	1.78
1.933	1.09	7.933	2.17	13.933	4.15	19.93	1.78
1.950	1.09	7.950	2.17	13.950	4.15	19.95	1.78
1.967	1.09	7.967	2.17	13.967	4.15	19.97	1.78
1.983	1.09	7.983	2.17	13.983	4.15	19.98	1.78
2.000	1.09	8.000	2.17	14.000	4.15	20.00	1.78
2.017	1.28	8.017	2.57	14.017	2.97	20.02	1.19
2.033	1.28	8.033	2.57	14.033	2.96	20.03	1.19
2.050	1.28	8.050	2.57	14.050	2.96	20.05	1.19
2.067	1.28	8.067	2.57	14.067	2.96	20.07	1.19
2.083	1.28	8.083	2.57	14.083	2.96	20.08	1.19
2.100	1.28	8.100	2.57	14.100	2.96	20.10	1.19
2.117	1.28	8.117	2.57	14.117	2.96	20.12	1.19
2.133	1.28	8.133	2.57	14.133	2.96	20.13	1.19
2.150	1.28	8.150	2.57	14.150	2.96	20.15	1.19
2.167	1.28	8.167	2.57	14.167	2.96	20.17	1.19
2.183	1.28	8.183	2.57	14.183	2.96	20.18	1.19
2.200	1.28	8.200	2.57	14.200	2.96	20.20	1.19
2.217	1.28	8.217	2.57	14.217	2.96	20.22	1.19
2.233	1.28	8.233	2.57	14.233	2.96	20.23	1.19
2.250	1.28	8.250	2.57	14.250	2.96	20.25	1.19
2.267	1.28	8.267	2.57	14.267	2.96	20.27	1.19
2.283	1.28	8.283	2.57	14.283	2.96	20.28	1.19
2.300	1.28	8.300	2.57	14.300	2.96	20.30	1.19
2.317	1.28	8.317	2.57	14.317	2.96	20.32	1.19
2.333	1.28	8.333	2.57	14.333	2.96	20.33	1.19
2.350	1.28	8.350	2.57	14.350	2.96	20.35	1.19

2.367	1.28	8.367	2.57	14.367	2.96	20.37	1.19
2.383	1.28	8.383	2.57	14.383	2.96	20.38	1.19
2.400	1.28	8.400	2.57	14.400	2.96	20.40	1.19
2.417	1.28	8.417	2.57	14.417	2.96	20.42	1.19
2.433	1.28	8.433	2.57	14.433	2.96	20.43	1.19
2.450	1.28	8.450	2.57	14.450	2.96	20.45	1.19
2.467	1.28	8.467	2.57	14.467	2.96	20.47	1.19
2.483	1.28	8.483	2.57	14.483	2.96	20.48	1.19
2.500	1.28	8.500	2.57	14.500	2.96	20.50	1.19
2.517	1.28	8.517	2.77	14.517	2.96	20.52	1.19
2.533	1.28	8.533	2.77	14.533	2.96	20.53	1.19
2.550	1.28	8.550	2.77	14.550	2.96	20.55	1.19
2.567	1.28	8.567	2.77	14.567	2.96	20.57	1.19
2.583	1.28	8.583	2.77	14.583	2.96	20.58	1.19
2.600	1.28	8.600	2.77	14.600	2.96	20.60	1.19
2.617	1.28	8.617	2.77	14.617	2.96	20.62	1.19
2.633	1.28	8.633	2.77	14.633	2.96	20.63	1.19
2.650	1.28	8.650	2.77	14.650	2.96	20.65	1.19
2.667	1.28	8.667	2.77	14.667	2.96	20.67	1.19
2.683	1.28	8.683	2.77	14.683	2.96	20.68	1.19
2.700	1.28	8.700	2.77	14.700	2.96	20.70	1.19
2.717	1.28	8.717	2.77	14.717	2.96	20.72	1.19
2.733	1.28	8.733	2.77	14.733	2.96	20.73	1.19
2.750	1.28	8.750	2.77	14.750	2.96	20.75	1.19
2.767	1.28	8.767	2.77	14.767	2.96	20.77	1.19
2.783	1.28	8.783	2.77	14.783	2.96	20.78	1.19
2.800	1.28	8.800	2.77	14.800	2.96	20.80	1.19
2.817	1.28	8.817	2.77	14.817	2.96	20.82	1.19
2.833	1.28	8.833	2.77	14.833	2.96	20.83	1.19
2.850	1.28	8.850	2.77	14.850	2.96	20.85	1.19
2.867	1.28	8.867	2.77	14.867	2.96	20.87	1.19
2.883	1.28	8.883	2.77	14.883	2.96	20.88	1.19
2.900	1.28	8.900	2.77	14.900	2.96	20.90	1.19
2.917	1.28	8.917	2.77	14.917	2.96	20.92	1.19
2.933	1.28	8.933	2.77	14.933	2.96	20.93	1.19
2.950	1.28	8.950	2.77	14.950	2.96	20.95	1.19
2.967	1.28	8.967	2.77	14.967	2.96	20.97	1.19
2.983	1.28	8.983	2.77	14.983	2.96	20.98	1.19
3.000	1.28	9.000	2.77	15.000	2.96	21.00	1.19
3.017	1.28	9.017	3.16	15.017	2.96	21.02	1.19
3.033	1.28	9.033	3.16	15.033	2.96	21.03	1.19
3.050	1.28	9.050	3.16	15.050	2.96	21.05	1.19
3.067	1.28	9.067	3.16	15.067	2.96	21.07	1.19
3.083	1.28	9.083	3.16	15.083	2.96	21.08	1.19
3.100	1.28	9.100	3.16	15.100	2.96	21.10	1.19
3.117	1.28	9.117	3.16	15.117	2.96	21.12	1.19
3.133	1.28	9.133	3.16	15.133	2.96	21.13	1.19
3.150	1.28	9.150	3.16	15.150	2.96	21.15	1.19
3.167	1.28	9.167	3.16	15.167	2.96	21.17	1.19
3.183	1.28	9.183	3.16	15.183	2.96	21.18	1.19
3.200	1.28	9.200	3.16	15.200	2.96	21.20	1.19
3.217	1.28	9.217	3.16	15.217	2.96	21.22	1.19
3.233	1.28	9.233	3.16	15.233	2.96	21.23	1.19
3.250	1.28	9.250	3.16	15.250	2.96	21.25	1.19
3.267	1.28	9.267	3.16	15.267	2.96	21.27	1.19
3.283	1.28	9.283	3.16	15.283	2.96	21.28	1.19
3.300	1.28	9.300	3.16	15.300	2.96	21.30	1.19
3.317	1.28	9.317	3.16	15.317	2.96	21.32	1.19
3.333	1.28	9.333	3.16	15.333	2.96	21.33	1.19
3.350	1.28	9.350	3.16	15.350	2.96	21.35	1.19
3.367	1.28	9.367	3.16	15.367	2.96	21.37	1.19
3.383	1.28	9.383	3.16	15.383	2.96	21.38	1.19
3.400	1.28	9.400	3.16	15.400	2.96	21.40	1.19
3.417	1.28	9.417	3.16	15.417	2.96	21.42	1.19
3.433	1.28	9.433	3.16	15.433	2.96	21.43	1.19
3.450	1.28	9.450	3.16	15.450	2.96	21.45	1.19
3.467	1.28	9.467	3.16	15.467	2.96	21.47	1.19
3.483	1.28	9.483	3.16	15.483	2.96	21.48	1.19
3.500	1.28	9.500	3.16	15.500	2.96	21.50	1.19
3.517	1.28	9.517	3.56	15.517	2.96	21.52	1.19
3.533	1.28	9.533	3.56	15.533	2.96	21.53	1.19
3.550	1.28	9.550	3.56	15.550	2.96	21.55	1.19
3.567	1.28	9.567	3.56	15.567	2.96	21.57	1.19
3.583	1.28	9.583	3.56	15.583	2.96	21.58	1.19
3.600	1.28	9.600	3.56	15.600	2.96	21.60	1.19
3.617	1.28	9.617	3.56	15.617	2.96	21.62	1.19
3.633	1.28	9.633	3.56	15.633	2.96	21.63	1.19
3.650	1.28	9.650	3.56	15.650	2.96	21.65	1.19
3.667	1.28	9.667	3.56	15.667	2.96	21.67	1.19
3.683	1.28	9.683	3.56	15.683	2.96	21.68	1.19
3.700	1.28	9.700	3.56	15.700	2.96	21.70	1.19
3.717	1.28	9.717	3.56	15.717	2.96	21.72	1.19
3.733	1.28	9.733	3.56	15.733	2.96	21.73	1.19
3.750	1.28	9.750	3.56	15.750	2.96	21.75	1.19

3.767	1.28	9.767	3.56	15.767	2.96	21.77	1.19
3.783	1.28	9.783	3.56	15.783	2.96	21.78	1.19
3.800	1.28	9.800	3.56	15.800	2.96	21.80	1.19
3.817	1.28	9.817	3.56	15.817	2.96	21.82	1.19
3.833	1.28	9.833	3.56	15.833	2.96	21.83	1.19
3.850	1.28	9.850	3.56	15.850	2.96	21.85	1.19
3.867	1.28	9.867	3.56	15.867	2.96	21.87	1.19
3.883	1.28	9.883	3.56	15.883	2.96	21.88	1.19
3.900	1.28	9.900	3.56	15.900	2.96	21.90	1.19
3.917	1.28	9.917	3.56	15.917	2.96	21.92	1.19
3.933	1.28	9.933	3.56	15.933	2.96	21.93	1.19
3.950	1.28	9.950	3.56	15.950	2.96	21.95	1.19
3.967	1.28	9.967	3.56	15.967	2.96	21.97	1.19
3.983	1.28	9.983	3.56	15.983	2.96	21.98	1.19
4.000	1.28	10.000	3.56	16.000	2.96	22.00	1.19
4.017	1.58	10.017	4.54	16.017	1.78	22.02	1.19
4.033	1.58	10.033	4.54	16.033	1.78	22.03	1.19
4.050	1.58	10.050	4.54	16.050	1.78	22.05	1.19
4.067	1.58	10.067	4.54	16.067	1.78	22.07	1.19
4.083	1.58	10.083	4.54	16.083	1.78	22.08	1.19
4.100	1.58	10.100	4.54	16.100	1.78	22.10	1.19
4.117	1.58	10.117	4.54	16.117	1.78	22.12	1.19
4.133	1.58	10.133	4.54	16.133	1.78	22.13	1.19
4.150	1.58	10.150	4.54	16.150	1.78	22.15	1.19
4.167	1.58	10.167	4.54	16.167	1.78	22.17	1.19
4.183	1.58	10.183	4.54	16.183	1.78	22.18	1.19
4.200	1.58	10.200	4.54	16.200	1.78	22.20	1.19
4.217	1.58	10.217	4.54	16.217	1.78	22.22	1.19
4.233	1.58	10.233	4.54	16.233	1.78	22.23	1.19
4.250	1.58	10.250	4.54	16.250	1.78	22.25	1.19
4.267	1.58	10.267	4.54	16.267	1.78	22.27	1.19
4.283	1.58	10.283	4.54	16.283	1.78	22.28	1.19
4.300	1.58	10.300	4.54	16.300	1.78	22.30	1.19
4.317	1.58	10.317	4.54	16.317	1.78	22.32	1.19
4.333	1.58	10.333	4.54	16.333	1.78	22.33	1.19
4.350	1.58	10.350	4.54	16.350	1.78	22.35	1.19
4.367	1.58	10.367	4.54	16.367	1.78	22.37	1.19
4.383	1.58	10.383	4.54	16.383	1.78	22.38	1.19
4.400	1.58	10.400	4.54	16.400	1.78	22.40	1.19
4.417	1.58	10.417	4.54	16.417	1.78	22.42	1.19
4.433	1.58	10.433	4.54	16.433	1.78	22.43	1.19
4.450	1.58	10.450	4.54	16.450	1.78	22.45	1.19
4.467	1.58	10.467	4.54	16.467	1.78	22.47	1.19
4.483	1.58	10.483	4.54	16.483	1.78	22.48	1.19
4.500	1.58	10.500	4.54	16.500	1.78	22.50	1.19
4.517	1.58	10.517	6.12	16.517	1.78	22.52	1.19
4.533	1.58	10.533	6.12	16.533	1.78	22.53	1.19
4.550	1.58	10.550	6.12	16.550	1.78	22.55	1.19
4.567	1.58	10.567	6.12	16.567	1.78	22.57	1.19
4.583	1.58	10.583	6.12	16.583	1.78	22.58	1.19
4.600	1.58	10.600	6.12	16.600	1.78	22.60	1.19
4.617	1.58	10.617	6.12	16.617	1.78	22.62	1.19
4.633	1.58	10.633	6.12	16.633	1.78	22.63	1.19
4.650	1.58	10.650	6.12	16.650	1.78	22.65	1.19
4.667	1.58	10.667	6.12	16.667	1.78	22.67	1.19
4.683	1.58	10.683	6.12	16.683	1.78	22.68	1.19
4.700	1.58	10.700	6.12	16.700	1.78	22.70	1.19
4.717	1.58	10.717	6.12	16.717	1.78	22.72	1.19
4.733	1.58	10.733	6.12	16.733	1.78	22.73	1.19
4.750	1.58	10.750	6.12	16.750	1.78	22.75	1.19
4.767	1.58	10.767	6.12	16.767	1.78	22.77	1.19
4.783	1.58	10.783	6.12	16.783	1.78	22.78	1.19
4.800	1.58	10.800	6.12	16.800	1.78	22.80	1.19
4.817	1.58	10.817	6.12	16.817	1.78	22.82	1.19
4.833	1.58	10.833	6.12	16.833	1.78	22.83	1.19
4.850	1.58	10.850	6.12	16.850	1.78	22.85	1.19
4.867	1.58	10.867	6.12	16.867	1.78	22.87	1.19
4.883	1.58	10.883	6.12	16.883	1.78	22.88	1.19
4.900	1.58	10.900	6.12	16.900	1.78	22.90	1.19
4.917	1.58	10.917	6.12	16.917	1.78	22.92	1.19
4.933	1.58	10.933	6.12	16.933	1.78	22.93	1.19
4.950	1.58	10.950	6.12	16.950	1.78	22.95	1.19
4.967	1.58	10.967	6.12	16.967	1.78	22.97	1.19
4.983	1.58	10.983	6.12	16.983	1.78	22.98	1.19
5.000	1.58	11.000	6.13	17.000	1.78	23.00	1.19
5.017	1.58	11.017	9.48	17.017	1.78	23.02	1.19
5.033	1.58	11.033	9.48	17.033	1.78	23.03	1.19
5.050	1.58	11.050	9.48	17.050	1.78	23.05	1.19
5.067	1.58	11.067	9.48	17.067	1.78	23.07	1.19
5.083	1.58	11.083	9.48	17.083	1.78	23.08	1.19
5.100	1.58	11.100	9.48	17.100	1.78	23.10	1.19
5.117	1.58	11.117	9.48	17.117	1.78	23.12	1.19
5.133	1.58	11.133	9.48	17.133	1.78	23.13	1.19
5.150	1.58	11.150	9.48	17.150	1.78	23.15	1.19

5.167	1.58	11.167	9.48	17.167	1.78	23.17	1.19
5.183	1.58	11.183	9.48	17.183	1.78	23.18	1.19
5.200	1.58	11.200	9.48	17.200	1.78	23.20	1.19
5.217	1.58	11.217	9.48	17.217	1.78	23.22	1.19
5.233	1.58	11.233	9.48	17.233	1.78	23.23	1.19
5.250	1.58	11.250	9.48	17.250	1.78	23.25	1.19
5.267	1.58	11.267	9.48	17.267	1.78	23.27	1.19
5.283	1.58	11.283	9.48	17.283	1.78	23.28	1.19
5.300	1.58	11.300	9.48	17.300	1.78	23.30	1.19
5.317	1.58	11.317	9.48	17.317	1.78	23.32	1.19
5.333	1.58	11.333	9.48	17.333	1.78	23.33	1.19
5.350	1.58	11.350	9.48	17.350	1.78	23.35	1.19
5.367	1.58	11.367	9.48	17.367	1.78	23.37	1.19
5.383	1.58	11.383	9.48	17.383	1.78	23.38	1.19
5.400	1.58	11.400	9.48	17.400	1.78	23.40	1.19
5.417	1.58	11.417	9.48	17.417	1.78	23.42	1.19
5.433	1.58	11.433	9.48	17.433	1.78	23.43	1.19
5.450	1.58	11.450	9.48	17.450	1.78	23.45	1.19
5.467	1.58	11.467	9.48	17.467	1.78	23.47	1.19
5.483	1.58	11.483	9.48	17.483	1.78	23.48	1.19
5.500	1.58	11.500	9.48	17.500	1.78	23.50	1.19
5.517	1.58	11.517	29.23	17.517	1.78	23.52	1.19
5.533	1.58	11.533	29.24	17.533	1.78	23.53	1.19
5.550	1.58	11.550	29.24	17.550	1.78	23.55	1.19
5.567	1.58	11.567	29.24	17.567	1.78	23.57	1.19
5.583	1.58	11.583	29.24	17.583	1.78	23.58	1.19
5.600	1.58	11.600	29.24	17.600	1.78	23.60	1.19
5.617	1.58	11.617	29.24	17.617	1.78	23.62	1.19
5.633	1.58	11.633	29.24	17.633	1.78	23.63	1.19
5.650	1.58	11.650	29.24	17.650	1.78	23.65	1.19
5.667	1.58	11.667	29.24	17.667	1.78	23.67	1.19
5.683	1.58	11.683	29.24	17.683	1.78	23.68	1.19
5.700	1.58	11.700	29.24	17.700	1.78	23.70	1.19
5.717	1.58	11.717	29.24	17.717	1.78	23.72	1.19
5.733	1.58	11.733	29.24	17.733	1.78	23.73	1.19
5.750	1.58	11.750	29.24	17.750	1.78	23.75	1.19
5.767	1.58	11.767	120.86	17.767	1.78	23.77	1.19
5.783	1.58	11.783	120.91	17.783	1.78	23.78	1.19
5.800	1.58	11.800	120.91	17.800	1.78	23.80	1.19
5.817	1.58	11.817	120.91	17.817	1.78	23.82	1.19
5.833	1.58	11.833	120.91	17.833	1.78	23.83	1.19
5.850	1.58	11.850	120.91	17.850	1.78	23.85	1.19
5.867	1.58	11.867	120.91	17.867	1.78	23.87	1.19
5.883	1.58	11.883	120.91	17.883	1.78	23.88	1.19
5.900	1.58	11.900	120.91	17.900	1.78	23.90	1.19
5.917	1.58	11.917	120.91	17.917	1.78	23.92	1.19
5.933	1.58	11.933	120.91	17.933	1.78	23.93	1.19
5.950	1.58	11.950	120.91	17.950	1.78	23.95	1.19
5.967	1.58	11.967	120.91	17.967	1.78	23.97	1.19
5.983	1.58	11.983	120.91	17.983	1.78	23.98	1.19
6.000	1.58	12.000	120.91	18.000	1.78	24.00	1.19

Max.Eff.Inten.(mm/hr)= 120.91 71.33
over (min) 5.00 11.00
Storage Coeff. (min)= 4.56 (ii) 10.52 (ii)
Unit Hyd. Tpeak (min)= 5.00 11.00
Unit Hyd. peak (cms)= 0.24 0.11

TOTALS

PEAK FLOW (cms)= 2.99 0.97 3.817 (iii)
TIME TO PEAK (hrs)= 12.00 12.08 12.02
RUNOFF VOLUME (mm)= 96.78 35.73 65.04
TOTAL RAINFALL (mm)= 98.78 98.78 98.78
RUNOFF COEFFICIENT = 0.98 0.36 0.66

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)
IN= 2---> OUT= 1
DT= 5.0 min

OVERFLOW IS OFF

OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
0.0000	0.0000	0.1330	0.5200
0.0380	0.2900	0.1650	0.5800
0.0680	0.3850	0.2000	0.6300
0.0940	0.4500	0.4800	1.1000

AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)

INFLOW : ID= 2 (0201) 19.500 3.817 12.02 65.04
 OUTFLOW: ID= 1 (0001) 19.500 0.286 13.08 51.54

PEAK FLOW REDUCTION [Qout/Qin](%)= 7.50
 TIME SHIFT OF PEAK FLOW (min)= 64.00
 MAXIMUM STORAGE USED (ha.m.)= 0.7748

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB
 STANDHYD (0202)
 ID= 1 DT= 1.0 min
 Area (ha)= 0.21
 Total Imp(%)= 65.00 Dir. Conn.(%)= 65.00

IMPERVIOUS PERVIOUS (i)
 Surface Area (ha)= 0.14 0.07
 Dep. Storage (mm)= 2.00 5.00
 Average Slope (%)= 1.00 2.00
 Length (m)= 15.25 40.00
 Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.09	6.017	1.78	12.017	14.30	18.02	1.78
0.033	1.09	6.033	1.78	12.033	14.22	18.03	1.78
0.050	1.09	6.050	1.78	12.050	14.22	18.05	1.78
0.067	1.09	6.067	1.78	12.067	14.22	18.07	1.78
0.083	1.09	6.083	1.78	12.083	14.22	18.08	1.78
0.100	1.09	6.100	1.78	12.100	14.22	18.10	1.78
0.117	1.09	6.117	1.78	12.117	14.22	18.12	1.78
0.133	1.09	6.133	1.78	12.133	14.22	18.13	1.78
0.150	1.09	6.150	1.78	12.150	14.22	18.15	1.78
0.167	1.09	6.167	1.78	12.167	14.22	18.17	1.78
0.183	1.09	6.183	1.78	12.183	14.22	18.18	1.78
0.200	1.09	6.200	1.78	12.200	14.22	18.20	1.78
0.217	1.09	6.217	1.78	12.217	14.22	18.22	1.78
0.233	1.09	6.233	1.78	12.233	14.22	18.23	1.78
0.250	1.09	6.250	1.78	12.250	14.22	18.25	1.78
0.267	1.09	6.267	1.78	12.267	14.22	18.27	1.78
0.283	1.09	6.283	1.78	12.283	14.22	18.28	1.78
0.300	1.09	6.300	1.78	12.300	14.22	18.30	1.78
0.317	1.09	6.317	1.78	12.317	14.22	18.32	1.78
0.333	1.09	6.333	1.78	12.333	14.22	18.33	1.78
0.350	1.09	6.350	1.78	12.350	14.22	18.35	1.78
0.367	1.09	6.367	1.78	12.367	14.22	18.37	1.78
0.383	1.09	6.383	1.78	12.383	14.22	18.38	1.78
0.400	1.09	6.400	1.78	12.400	14.22	18.40	1.78
0.417	1.09	6.417	1.78	12.417	14.22	18.42	1.78
0.433	1.09	6.433	1.78	12.433	14.22	18.43	1.78
0.450	1.09	6.450	1.78	12.450	14.22	18.45	1.78
0.467	1.09	6.467	1.78	12.467	14.22	18.47	1.78
0.483	1.09	6.483	1.78	12.483	14.22	18.48	1.78
0.500	1.09	6.500	1.78	12.500	14.22	18.50	1.78
0.517	1.09	6.517	1.78	12.517	7.32	18.52	1.78
0.533	1.09	6.533	1.78	12.533	7.31	18.53	1.78
0.550	1.09	6.550	1.78	12.550	7.31	18.55	1.78
0.567	1.09	6.567	1.78	12.567	7.31	18.57	1.78
0.583	1.09	6.583	1.78	12.583	7.31	18.58	1.78
0.600	1.09	6.600	1.78	12.600	7.31	18.60	1.78
0.617	1.09	6.617	1.78	12.617	7.31	18.62	1.78
0.633	1.09	6.633	1.78	12.633	7.31	18.63	1.78
0.650	1.09	6.650	1.78	12.650	7.31	18.65	1.78
0.667	1.09	6.667	1.78	12.667	7.31	18.67	1.78
0.683	1.09	6.683	1.78	12.683	7.31	18.68	1.78
0.700	1.09	6.700	1.78	12.700	7.31	18.70	1.78
0.717	1.09	6.717	1.78	12.717	7.31	18.72	1.78
0.733	1.09	6.733	1.78	12.733	7.31	18.73	1.78
0.750	1.09	6.750	1.78	12.750	7.31	18.75	1.78
0.767	1.09	6.767	1.78	12.767	7.31	18.77	1.78
0.783	1.09	6.783	1.78	12.783	7.31	18.78	1.78
0.800	1.09	6.800	1.78	12.800	7.31	18.80	1.78
0.817	1.09	6.817	1.78	12.817	7.31	18.82	1.78
0.833	1.09	6.833	1.78	12.833	7.31	18.83	1.78
0.850	1.09	6.850	1.78	12.850	7.31	18.85	1.78
0.867	1.09	6.867	1.78	12.867	7.31	18.87	1.78
0.883	1.09	6.883	1.78	12.883	7.31	18.88	1.78
0.900	1.09	6.900	1.78	12.900	7.31	18.90	1.78
0.917	1.09	6.917	1.78	12.917	7.31	18.92	1.78
0.933	1.09	6.933	1.78	12.933	7.31	18.93	1.78
0.950	1.09	6.950	1.78	12.950	7.31	18.95	1.78

0.967	1.09	6.967	1.78	12.967	7.31	18.97	1.78
0.983	1.09	6.983	1.78	12.983	7.31	18.98	1.78
1.000	1.09	7.000	1.78	13.000	7.31	19.00	1.78
1.017	1.09	7.017	2.17	13.017	5.33	19.02	1.78
1.033	1.09	7.033	2.17	13.033	5.33	19.03	1.78
1.050	1.09	7.050	2.17	13.050	5.33	19.05	1.78
1.067	1.09	7.067	2.17	13.067	5.33	19.07	1.78
1.083	1.09	7.083	2.17	13.083	5.33	19.08	1.78
1.100	1.09	7.100	2.17	13.100	5.33	19.10	1.78
1.117	1.09	7.117	2.17	13.117	5.33	19.12	1.78
1.133	1.09	7.133	2.17	13.133	5.33	19.13	1.78
1.150	1.09	7.150	2.17	13.150	5.33	19.15	1.78
1.167	1.09	7.167	2.17	13.167	5.33	19.17	1.78
1.183	1.09	7.183	2.17	13.183	5.33	19.18	1.78
1.200	1.09	7.200	2.17	13.200	5.33	19.20	1.78
1.217	1.09	7.217	2.17	13.217	5.33	19.22	1.78
1.233	1.09	7.233	2.17	13.233	5.33	19.23	1.78
1.250	1.09	7.250	2.17	13.250	5.33	19.25	1.78
1.267	1.09	7.267	2.17	13.267	5.33	19.27	1.78
1.283	1.09	7.283	2.17	13.283	5.33	19.28	1.78
1.300	1.09	7.300	2.17	13.300	5.33	19.30	1.78
1.317	1.09	7.317	2.17	13.317	5.33	19.32	1.78
1.333	1.09	7.333	2.17	13.333	5.33	19.33	1.78
1.350	1.09	7.350	2.17	13.350	5.33	19.35	1.78
1.367	1.09	7.367	2.17	13.367	5.33	19.37	1.78
1.383	1.09	7.383	2.17	13.383	5.33	19.38	1.78
1.400	1.09	7.400	2.17	13.400	5.33	19.40	1.78
1.417	1.09	7.417	2.17	13.417	5.33	19.42	1.78
1.433	1.09	7.433	2.17	13.433	5.33	19.43	1.78
1.450	1.09	7.450	2.17	13.450	5.33	19.45	1.78
1.467	1.09	7.467	2.17	13.467	5.33	19.47	1.78
1.483	1.09	7.483	2.17	13.483	5.33	19.48	1.78
1.500	1.09	7.500	2.17	13.500	5.33	19.50	1.78
1.517	1.09	7.517	2.17	13.517	4.15	19.52	1.78
1.533	1.09	7.533	2.17	13.533	4.15	19.53	1.78
1.550	1.09	7.550	2.17	13.550	4.15	19.55	1.78
1.567	1.09	7.567	2.17	13.567	4.15	19.57	1.78
1.583	1.09	7.583	2.17	13.583	4.15	19.58	1.78
1.600	1.09	7.600	2.17	13.600	4.15	19.60	1.78
1.617	1.09	7.617	2.17	13.617	4.15	19.62	1.78
1.633	1.09	7.633	2.17	13.633	4.15	19.63	1.78
1.650	1.09	7.650	2.17	13.650	4.15	19.65	1.78
1.667	1.09	7.667	2.17	13.667	4.15	19.67	1.78
1.683	1.09	7.683	2.17	13.683	4.15	19.68	1.78
1.700	1.09	7.700	2.17	13.700	4.15	19.70	1.78
1.717	1.09	7.717	2.17	13.717	4.15	19.72	1.78
1.733	1.09	7.733	2.17	13.733	4.15	19.73	1.78
1.750	1.09	7.750	2.17	13.750	4.15	19.75	1.78
1.767	1.09	7.767	2.17	13.767	4.15	19.77	1.78
1.783	1.09	7.783	2.17	13.783	4.15	19.78	1.78
1.800	1.09	7.800	2.17	13.800	4.15	19.80	1.78
1.817	1.09	7.817	2.17	13.817	4.15	19.82	1.78
1.833	1.09	7.833	2.17	13.833	4.15	19.83	1.78
1.850	1.09	7.850	2.17	13.850	4.15	19.85	1.78
1.867	1.09	7.867	2.17	13.867	4.15	19.87	1.78
1.883	1.09	7.883	2.17	13.883	4.15	19.88	1.78
1.900	1.09	7.900	2.17	13.900	4.15	19.90	1.78
1.917	1.09	7.917	2.17	13.917	4.15	19.92	1.78
1.933	1.09	7.933	2.17	13.933	4.15	19.93	1.78
1.950	1.09	7.950	2.17	13.950	4.15	19.95	1.78
1.967	1.09	7.967	2.17	13.967	4.15	19.97	1.78
1.983	1.09	7.983	2.17	13.983	4.15	19.98	1.78
2.000	1.09	8.000	2.17	14.000	4.15	20.00	1.78
2.017	1.28	8.017	2.57	14.017	2.97	20.02	1.19
2.033	1.28	8.033	2.57	14.033	2.96	20.03	1.19
2.050	1.28	8.050	2.57	14.050	2.96	20.05	1.19
2.067	1.28	8.067	2.57	14.067	2.96	20.07	1.19
2.083	1.28	8.083	2.57	14.083	2.96	20.08	1.19
2.100	1.28	8.100	2.57	14.100	2.96	20.10	1.19
2.117	1.28	8.117	2.57	14.117	2.96	20.12	1.19
2.133	1.28	8.133	2.57	14.133	2.96	20.13	1.19
2.150	1.28	8.150	2.57	14.150	2.96	20.15	1.19
2.167	1.28	8.167	2.57	14.167	2.96	20.17	1.19
2.183	1.28	8.183	2.57	14.183	2.96	20.18	1.19
2.200	1.28	8.200	2.57	14.200	2.96	20.20	1.19
2.217	1.28	8.217	2.57	14.217	2.96	20.22	1.19
2.233	1.28	8.233	2.57	14.233	2.96	20.23	1.19
2.250	1.28	8.250	2.57	14.250	2.96	20.25	1.19
2.267	1.28	8.267	2.57	14.267	2.96	20.27	1.19
2.283	1.28	8.283	2.57	14.283	2.96	20.28	1.19
2.300	1.28	8.300	2.57	14.300	2.96	20.30	1.19
2.317	1.28	8.317	2.57	14.317	2.96	20.32	1.19
2.333	1.28	8.333	2.57	14.333	2.96	20.33	1.19
2.350	1.28	8.350	2.57	14.350	2.96	20.35	1.19

2.367	1.28	8.367	2.57	14.367	2.96	20.37	1.19
2.383	1.28	8.383	2.57	14.383	2.96	20.38	1.19
2.400	1.28	8.400	2.57	14.400	2.96	20.40	1.19
2.417	1.28	8.417	2.57	14.417	2.96	20.42	1.19
2.433	1.28	8.433	2.57	14.433	2.96	20.43	1.19
2.450	1.28	8.450	2.57	14.450	2.96	20.45	1.19
2.467	1.28	8.467	2.57	14.467	2.96	20.47	1.19
2.483	1.28	8.483	2.57	14.483	2.96	20.48	1.19
2.500	1.28	8.500	2.57	14.500	2.96	20.50	1.19
2.517	1.28	8.517	2.77	14.517	2.96	20.52	1.19
2.533	1.28	8.533	2.77	14.533	2.96	20.53	1.19
2.550	1.28	8.550	2.77	14.550	2.96	20.55	1.19
2.567	1.28	8.567	2.77	14.567	2.96	20.57	1.19
2.583	1.28	8.583	2.77	14.583	2.96	20.58	1.19
2.600	1.28	8.600	2.77	14.600	2.96	20.60	1.19
2.617	1.28	8.617	2.77	14.617	2.96	20.62	1.19
2.633	1.28	8.633	2.77	14.633	2.96	20.63	1.19
2.650	1.28	8.650	2.77	14.650	2.96	20.65	1.19
2.667	1.28	8.667	2.77	14.667	2.96	20.67	1.19
2.683	1.28	8.683	2.77	14.683	2.96	20.68	1.19
2.700	1.28	8.700	2.77	14.700	2.96	20.70	1.19
2.717	1.28	8.717	2.77	14.717	2.96	20.72	1.19
2.733	1.28	8.733	2.77	14.733	2.96	20.73	1.19
2.750	1.28	8.750	2.77	14.750	2.96	20.75	1.19
2.767	1.28	8.767	2.77	14.767	2.96	20.77	1.19
2.783	1.28	8.783	2.77	14.783	2.96	20.78	1.19
2.800	1.28	8.800	2.77	14.800	2.96	20.80	1.19
2.817	1.28	8.817	2.77	14.817	2.96	20.82	1.19
2.833	1.28	8.833	2.77	14.833	2.96	20.83	1.19
2.850	1.28	8.850	2.77	14.850	2.96	20.85	1.19
2.867	1.28	8.867	2.77	14.867	2.96	20.87	1.19
2.883	1.28	8.883	2.77	14.883	2.96	20.88	1.19
2.900	1.28	8.900	2.77	14.900	2.96	20.90	1.19
2.917	1.28	8.917	2.77	14.917	2.96	20.92	1.19
2.933	1.28	8.933	2.77	14.933	2.96	20.93	1.19
2.950	1.28	8.950	2.77	14.950	2.96	20.95	1.19
2.967	1.28	8.967	2.77	14.967	2.96	20.97	1.19
2.983	1.28	8.983	2.77	14.983	2.96	20.98	1.19
3.000	1.28	9.000	2.77	15.000	2.96	21.00	1.19
3.017	1.28	9.017	3.16	15.017	2.96	21.02	1.19
3.033	1.28	9.033	3.16	15.033	2.96	21.03	1.19
3.050	1.28	9.050	3.16	15.050	2.96	21.05	1.19
3.067	1.28	9.067	3.16	15.067	2.96	21.07	1.19
3.083	1.28	9.083	3.16	15.083	2.96	21.08	1.19
3.100	1.28	9.100	3.16	15.100	2.96	21.10	1.19
3.117	1.28	9.117	3.16	15.117	2.96	21.12	1.19
3.133	1.28	9.133	3.16	15.133	2.96	21.13	1.19
3.150	1.28	9.150	3.16	15.150	2.96	21.15	1.19
3.167	1.28	9.167	3.16	15.167	2.96	21.17	1.19
3.183	1.28	9.183	3.16	15.183	2.96	21.18	1.19
3.200	1.28	9.200	3.16	15.200	2.96	21.20	1.19
3.217	1.28	9.217	3.16	15.217	2.96	21.22	1.19
3.233	1.28	9.233	3.16	15.233	2.96	21.23	1.19
3.250	1.28	9.250	3.16	15.250	2.96	21.25	1.19
3.267	1.28	9.267	3.16	15.267	2.96	21.27	1.19
3.283	1.28	9.283	3.16	15.283	2.96	21.28	1.19
3.300	1.28	9.300	3.16	15.300	2.96	21.30	1.19
3.317	1.28	9.317	3.16	15.317	2.96	21.32	1.19
3.333	1.28	9.333	3.16	15.333	2.96	21.33	1.19
3.350	1.28	9.350	3.16	15.350	2.96	21.35	1.19
3.367	1.28	9.367	3.16	15.367	2.96	21.37	1.19
3.383	1.28	9.383	3.16	15.383	2.96	21.38	1.19
3.400	1.28	9.400	3.16	15.400	2.96	21.40	1.19
3.417	1.28	9.417	3.16	15.417	2.96	21.42	1.19
3.433	1.28	9.433	3.16	15.433	2.96	21.43	1.19
3.450	1.28	9.450	3.16	15.450	2.96	21.45	1.19
3.467	1.28	9.467	3.16	15.467	2.96	21.47	1.19
3.483	1.28	9.483	3.16	15.483	2.96	21.48	1.19
3.500	1.28	9.500	3.16	15.500	2.96	21.50	1.19
3.517	1.28	9.517	3.56	15.517	2.96	21.52	1.19
3.533	1.28	9.533	3.56	15.533	2.96	21.53	1.19
3.550	1.28	9.550	3.56	15.550	2.96	21.55	1.19
3.567	1.28	9.567	3.56	15.567	2.96	21.57	1.19
3.583	1.28	9.583	3.56	15.583	2.96	21.58	1.19
3.600	1.28	9.600	3.56	15.600	2.96	21.60	1.19
3.617	1.28	9.617	3.56	15.617	2.96	21.62	1.19
3.633	1.28	9.633	3.56	15.633	2.96	21.63	1.19
3.650	1.28	9.650	3.56	15.650	2.96	21.65	1.19
3.667	1.28	9.667	3.56	15.667	2.96	21.67	1.19
3.683	1.28	9.683	3.56	15.683	2.96	21.68	1.19
3.700	1.28	9.700	3.56	15.700	2.96	21.70	1.19
3.717	1.28	9.717	3.56	15.717	2.96	21.72	1.19
3.733	1.28	9.733	3.56	15.733	2.96	21.73	1.19
3.750	1.28	9.750	3.56	15.750	2.96	21.75	1.19

3.767	1.28	9.767	3.56	15.767	2.96	21.77	1.19
3.783	1.28	9.783	3.56	15.783	2.96	21.78	1.19
3.800	1.28	9.800	3.56	15.800	2.96	21.80	1.19
3.817	1.28	9.817	3.56	15.817	2.96	21.82	1.19
3.833	1.28	9.833	3.56	15.833	2.96	21.83	1.19
3.850	1.28	9.850	3.56	15.850	2.96	21.85	1.19
3.867	1.28	9.867	3.56	15.867	2.96	21.87	1.19
3.883	1.28	9.883	3.56	15.883	2.96	21.88	1.19
3.900	1.28	9.900	3.56	15.900	2.96	21.90	1.19
3.917	1.28	9.917	3.56	15.917	2.96	21.92	1.19
3.933	1.28	9.933	3.56	15.933	2.96	21.93	1.19
3.950	1.28	9.950	3.56	15.950	2.96	21.95	1.19
3.967	1.28	9.967	3.56	15.967	2.96	21.97	1.19
3.983	1.28	9.983	3.56	15.983	2.96	21.98	1.19
4.000	1.28	10.000	3.56	16.000	2.96	22.00	1.19
4.017	1.58	10.017	4.54	16.017	1.78	22.02	1.19
4.033	1.58	10.033	4.54	16.033	1.78	22.03	1.19
4.050	1.58	10.050	4.54	16.050	1.78	22.05	1.19
4.067	1.58	10.067	4.54	16.067	1.78	22.07	1.19
4.083	1.58	10.083	4.54	16.083	1.78	22.08	1.19
4.100	1.58	10.100	4.54	16.100	1.78	22.10	1.19
4.117	1.58	10.117	4.54	16.117	1.78	22.12	1.19
4.133	1.58	10.133	4.54	16.133	1.78	22.13	1.19
4.150	1.58	10.150	4.54	16.150	1.78	22.15	1.19
4.167	1.58	10.167	4.54	16.167	1.78	22.17	1.19
4.183	1.58	10.183	4.54	16.183	1.78	22.18	1.19
4.200	1.58	10.200	4.54	16.200	1.78	22.20	1.19
4.217	1.58	10.217	4.54	16.217	1.78	22.22	1.19
4.233	1.58	10.233	4.54	16.233	1.78	22.23	1.19
4.250	1.58	10.250	4.54	16.250	1.78	22.25	1.19
4.267	1.58	10.267	4.54	16.267	1.78	22.27	1.19
4.283	1.58	10.283	4.54	16.283	1.78	22.28	1.19
4.300	1.58	10.300	4.54	16.300	1.78	22.30	1.19
4.317	1.58	10.317	4.54	16.317	1.78	22.32	1.19
4.333	1.58	10.333	4.54	16.333	1.78	22.33	1.19
4.350	1.58	10.350	4.54	16.350	1.78	22.35	1.19
4.367	1.58	10.367	4.54	16.367	1.78	22.37	1.19
4.383	1.58	10.383	4.54	16.383	1.78	22.38	1.19
4.400	1.58	10.400	4.54	16.400	1.78	22.40	1.19
4.417	1.58	10.417	4.54	16.417	1.78	22.42	1.19
4.433	1.58	10.433	4.54	16.433	1.78	22.43	1.19
4.450	1.58	10.450	4.54	16.450	1.78	22.45	1.19
4.467	1.58	10.467	4.54	16.467	1.78	22.47	1.19
4.483	1.58	10.483	4.54	16.483	1.78	22.48	1.19
4.500	1.58	10.500	4.54	16.500	1.78	22.50	1.19
4.517	1.58	10.517	6.12	16.517	1.78	22.52	1.19
4.533	1.58	10.533	6.12	16.533	1.78	22.53	1.19
4.550	1.58	10.550	6.12	16.550	1.78	22.55	1.19
4.567	1.58	10.567	6.12	16.567	1.78	22.57	1.19
4.583	1.58	10.583	6.12	16.583	1.78	22.58	1.19
4.600	1.58	10.600	6.12	16.600	1.78	22.60	1.19
4.617	1.58	10.617	6.12	16.617	1.78	22.62	1.19
4.633	1.58	10.633	6.12	16.633	1.78	22.63	1.19
4.650	1.58	10.650	6.12	16.650	1.78	22.65	1.19
4.667	1.58	10.667	6.12	16.667	1.78	22.67	1.19
4.683	1.58	10.683	6.12	16.683	1.78	22.68	1.19
4.700	1.58	10.700	6.12	16.700	1.78	22.70	1.19
4.717	1.58	10.717	6.12	16.717	1.78	22.72	1.19
4.733	1.58	10.733	6.12	16.733	1.78	22.73	1.19
4.750	1.58	10.750	6.12	16.750	1.78	22.75	1.19
4.767	1.58	10.767	6.12	16.767	1.78	22.77	1.19
4.783	1.58	10.783	6.12	16.783	1.78	22.78	1.19
4.800	1.58	10.800	6.12	16.800	1.78	22.80	1.19
4.817	1.58	10.817	6.12	16.817	1.78	22.82	1.19
4.833	1.58	10.833	6.12	16.833	1.78	22.83	1.19
4.850	1.58	10.850	6.12	16.850	1.78	22.85	1.19
4.867	1.58	10.867	6.12	16.867	1.78	22.87	1.19
4.883	1.58	10.883	6.12	16.883	1.78	22.88	1.19
4.900	1.58	10.900	6.12	16.900	1.78	22.90	1.19
4.917	1.58	10.917	6.12	16.917	1.78	22.92	1.19
4.933	1.58	10.933	6.12	16.933	1.78	22.93	1.19
4.950	1.58	10.950	6.12	16.950	1.78	22.95	1.19
4.967	1.58	10.967	6.12	16.967	1.78	22.97	1.19
4.983	1.58	10.983	6.12	16.983	1.78	22.98	1.19
5.000	1.58	11.000	6.13	17.000	1.78	23.00	1.19
5.017	1.58	11.017	9.48	17.017	1.78	23.02	1.19
5.033	1.58	11.033	9.48	17.033	1.78	23.03	1.19
5.050	1.58	11.050	9.48	17.050	1.78	23.05	1.19
5.067	1.58	11.067	9.48	17.067	1.78	23.07	1.19
5.083	1.58	11.083	9.48	17.083	1.78	23.08	1.19
5.100	1.58	11.100	9.48	17.100	1.78	23.10	1.19
5.117	1.58	11.117	9.48	17.117	1.78	23.12	1.19
5.133	1.58	11.133	9.48	17.133	1.78	23.13	1.19
5.150	1.58	11.150	9.48	17.150	1.78	23.15	1.19

5.167	1.58	11.167	9.48	17.167	1.78	23.17	1.19
5.183	1.58	11.183	9.48	17.183	1.78	23.18	1.19
5.200	1.58	11.200	9.48	17.200	1.78	23.20	1.19
5.217	1.58	11.217	9.48	17.217	1.78	23.22	1.19
5.233	1.58	11.233	9.48	17.233	1.78	23.23	1.19
5.250	1.58	11.250	9.48	17.250	1.78	23.25	1.19
5.267	1.58	11.267	9.48	17.267	1.78	23.27	1.19
5.283	1.58	11.283	9.48	17.283	1.78	23.28	1.19
5.300	1.58	11.300	9.48	17.300	1.78	23.30	1.19
5.317	1.58	11.317	9.48	17.317	1.78	23.32	1.19
5.333	1.58	11.333	9.48	17.333	1.78	23.33	1.19
5.350	1.58	11.350	9.48	17.350	1.78	23.35	1.19
5.367	1.58	11.367	9.48	17.367	1.78	23.37	1.19
5.383	1.58	11.383	9.48	17.383	1.78	23.38	1.19
5.400	1.58	11.400	9.48	17.400	1.78	23.40	1.19
5.417	1.58	11.417	9.48	17.417	1.78	23.42	1.19
5.433	1.58	11.433	9.48	17.433	1.78	23.43	1.19
5.450	1.58	11.450	9.48	17.450	1.78	23.45	1.19
5.467	1.58	11.467	9.48	17.467	1.78	23.47	1.19
5.483	1.58	11.483	9.48	17.483	1.78	23.48	1.19
5.500	1.58	11.500	9.48	17.500	1.78	23.50	1.19
5.517	1.58	11.517	29.23	17.517	1.78	23.52	1.19
5.533	1.58	11.533	29.24	17.533	1.78	23.53	1.19
5.550	1.58	11.550	29.24	17.550	1.78	23.55	1.19
5.567	1.58	11.567	29.24	17.567	1.78	23.57	1.19
5.583	1.58	11.583	29.24	17.583	1.78	23.58	1.19
5.600	1.58	11.600	29.24	17.600	1.78	23.60	1.19
5.617	1.58	11.617	29.24	17.617	1.78	23.62	1.19
5.633	1.58	11.633	29.24	17.633	1.78	23.63	1.19
5.650	1.58	11.650	29.24	17.650	1.78	23.65	1.19
5.667	1.58	11.667	29.24	17.667	1.78	23.67	1.19
5.683	1.58	11.683	29.24	17.683	1.78	23.68	1.19
5.700	1.58	11.700	29.24	17.700	1.78	23.70	1.19
5.717	1.58	11.717	29.24	17.717	1.78	23.72	1.19
5.733	1.58	11.733	29.24	17.733	1.78	23.73	1.19
5.750	1.58	11.750	29.24	17.750	1.78	23.75	1.19
5.767	1.58	11.767	120.86	17.767	1.78	23.77	1.19
5.783	1.58	11.783	120.91	17.783	1.78	23.78	1.19
5.800	1.58	11.800	120.91	17.800	1.78	23.80	1.19
5.817	1.58	11.817	120.91	17.817	1.78	23.82	1.19
5.833	1.58	11.833	120.91	17.833	1.78	23.83	1.19
5.850	1.58	11.850	120.91	17.850	1.78	23.85	1.19
5.867	1.58	11.867	120.91	17.867	1.78	23.87	1.19
5.883	1.58	11.883	120.91	17.883	1.78	23.88	1.19
5.900	1.58	11.900	120.91	17.900	1.78	23.90	1.19
5.917	1.58	11.917	120.91	17.917	1.78	23.92	1.19
5.933	1.58	11.933	120.91	17.933	1.78	23.93	1.19
5.950	1.58	11.950	120.91	17.950	1.78	23.95	1.19
5.967	1.58	11.967	120.91	17.967	1.78	23.97	1.19
5.983	1.58	11.983	120.91	17.983	1.78	23.98	1.19
6.000	1.58	12.000	120.91	18.000	1.78	24.00	1.19

Max.Eff.Inten.(mm/hr)=	120.91	41.26
over (min)	5.00	6.00
Storage Coeff. (min)=	0.77 (ii)	5.87 (ii)
Unit Hyd. Tpeak (min)=	5.00	6.00
Unit Hyd. peak (cms)=	0.50	0.19

			TOTALS
PEAK FLOW (cms)=	0.05	0.01	0.053 (iii)
TIME TO PEAK (hrs)=	11.98	12.02	12.00
RUNOFF VOLUME (mm)=	96.77	28.35	72.82
TOTAL RAINFALL (mm)=	98.78	98.78	98.78
RUNOFF COEFFICIENT =	0.98	0.29	0.74

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)				
1 + 2 = 3				

ID1= 1 (0001):	19.50	0.286	13.08	51.54
+ ID2= 2 (0202):	0.21	0.053	12.00	72.82
=====				
ID = 3 (0015):	19.71	0.289	13.02	51.76

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:4.5 SCS II 24hr 50yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData\Local\Temp\ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\8e78b838
Ptotal=109.35 mm	Comments: SCS 24 HOUR TYPE II STORM DISTRIBUTION 1

Duration of storm = 24.00 hrs
 Mass curve time step = 15.00 min

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	1.20	6.00	1.97	12.00	15.75	18.00	1.97
0.25	1.20	6.25	1.97	12.25	15.75	18.25	1.97
0.50	1.20	6.50	1.97	12.50	8.09	18.50	1.97
0.75	1.20	6.75	1.97	12.75	8.09	18.75	1.97
1.00	1.20	7.00	2.41	13.00	5.90	19.00	1.97
1.25	1.20	7.25	2.41	13.25	5.90	19.25	1.97
1.50	1.20	7.50	2.41	13.50	4.59	19.50	1.97
1.75	1.20	7.75	2.41	13.75	4.59	19.75	1.97
2.00	1.42	8.00	2.84	14.00	3.28	20.00	1.31
2.25	1.42	8.25	2.84	14.25	3.28	20.25	1.31
2.50	1.42	8.50	3.06	14.50	3.28	20.50	1.31
2.75	1.42	8.75	3.06	14.75	3.28	20.75	1.31
3.00	1.42	9.00	3.50	15.00	3.28	21.00	1.31
3.25	1.42	9.25	3.50	15.25	3.28	21.25	1.31
3.50	1.42	9.50	3.94	15.50	3.28	21.50	1.31
3.75	1.42	9.75	3.94	15.75	3.28	21.75	1.31
4.00	1.75	10.00	5.03	16.00	1.97	22.00	1.31
4.25	1.75	10.25	5.03	16.25	1.97	22.25	1.31
4.50	1.75	10.50	6.78	16.50	1.97	22.50	1.31
4.75	1.75	10.75	6.78	16.75	1.97	22.75	1.31
5.00	1.75	11.00	10.50	17.00	1.97	23.00	1.31
5.25	1.75	11.25	10.50	17.25	1.97	23.25	1.31
5.50	1.75	11.50	32.37	17.50	1.97	23.50	1.31
5.75	1.75	11.75	133.84	17.75	1.97	23.75	1.31

CALIB STANDHYD (0201) ID= 1 DT= 1.0 min	Area (ha)= 19.50 Total Imp(%)= 62.00	Dir. Conn.(%)= 48.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	12.09	7.41
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	298.34	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.20	6.017	1.97	12.017	15.83	18.02	1.97
0.033	1.20	6.033	1.97	12.033	15.75	18.03	1.97
0.050	1.20	6.050	1.97	12.050	15.75	18.05	1.97
0.067	1.20	6.067	1.97	12.067	15.75	18.07	1.97
0.083	1.20	6.083	1.97	12.083	15.75	18.08	1.97
0.100	1.20	6.100	1.97	12.100	15.75	18.10	1.97
0.117	1.20	6.117	1.97	12.117	15.75	18.12	1.97
0.133	1.20	6.133	1.97	12.133	15.75	18.13	1.97
0.150	1.20	6.150	1.97	12.150	15.75	18.15	1.97
0.167	1.20	6.167	1.97	12.167	15.75	18.17	1.97
0.183	1.20	6.183	1.97	12.183	15.75	18.18	1.97
0.200	1.20	6.200	1.97	12.200	15.75	18.20	1.97
0.217	1.20	6.217	1.97	12.217	15.75	18.22	1.97
0.233	1.20	6.233	1.97	12.233	15.75	18.23	1.97
0.250	1.20	6.250	1.97	12.250	15.75	18.25	1.97
0.267	1.20	6.267	1.97	12.267	15.75	18.27	1.97
0.283	1.20	6.283	1.97	12.283	15.75	18.28	1.97
0.300	1.20	6.300	1.97	12.300	15.75	18.30	1.97
0.317	1.20	6.317	1.97	12.317	15.75	18.32	1.97
0.333	1.20	6.333	1.97	12.333	15.75	18.33	1.97
0.350	1.20	6.350	1.97	12.350	15.75	18.35	1.97
0.367	1.20	6.367	1.97	12.367	15.75	18.37	1.97
0.383	1.20	6.383	1.97	12.383	15.75	18.38	1.97
0.400	1.20	6.400	1.97	12.400	15.75	18.40	1.97
0.417	1.20	6.417	1.97	12.417	15.75	18.42	1.97

0.433	1.20	6.433	1.97	12.433	15.75	18.43	1.97
0.450	1.20	6.450	1.97	12.450	15.75	18.45	1.97
0.467	1.20	6.467	1.97	12.467	15.75	18.47	1.97
0.483	1.20	6.483	1.97	12.483	15.75	18.48	1.97
0.500	1.20	6.500	1.97	12.500	15.75	18.50	1.97
0.517	1.20	6.517	1.97	12.517	8.10	18.52	1.97
0.533	1.20	6.533	1.97	12.533	8.09	18.53	1.97
0.550	1.20	6.550	1.97	12.550	8.09	18.55	1.97
0.567	1.20	6.567	1.97	12.567	8.09	18.57	1.97
0.583	1.20	6.583	1.97	12.583	8.09	18.58	1.97
0.600	1.20	6.600	1.97	12.600	8.09	18.60	1.97
0.617	1.20	6.617	1.97	12.617	8.09	18.62	1.97
0.633	1.20	6.633	1.97	12.633	8.09	18.63	1.97
0.650	1.20	6.650	1.97	12.650	8.09	18.65	1.97
0.667	1.20	6.667	1.97	12.667	8.09	18.67	1.97
0.683	1.20	6.683	1.97	12.683	8.09	18.68	1.97
0.700	1.20	6.700	1.97	12.700	8.09	18.70	1.97
0.717	1.20	6.717	1.97	12.717	8.09	18.72	1.97
0.733	1.20	6.733	1.97	12.733	8.09	18.73	1.97
0.750	1.20	6.750	1.97	12.750	8.09	18.75	1.97
0.767	1.20	6.767	1.97	12.767	8.09	18.77	1.97
0.783	1.20	6.783	1.97	12.783	8.09	18.78	1.97
0.800	1.20	6.800	1.97	12.800	8.09	18.80	1.97
0.817	1.20	6.817	1.97	12.817	8.09	18.82	1.97
0.833	1.20	6.833	1.97	12.833	8.09	18.83	1.97
0.850	1.20	6.850	1.97	12.850	8.09	18.85	1.97
0.867	1.20	6.867	1.97	12.867	8.09	18.87	1.97
0.883	1.20	6.883	1.97	12.883	8.09	18.88	1.97
0.900	1.20	6.900	1.97	12.900	8.09	18.90	1.97
0.917	1.20	6.917	1.97	12.917	8.09	18.92	1.97
0.933	1.20	6.933	1.97	12.933	8.09	18.93	1.97
0.950	1.20	6.950	1.97	12.950	8.09	18.95	1.97
0.967	1.20	6.967	1.97	12.967	8.09	18.97	1.97
0.983	1.20	6.983	1.97	12.983	8.09	18.98	1.97
1.000	1.20	7.000	1.97	13.000	8.09	19.00	1.97
1.017	1.20	7.017	2.41	13.017	5.91	19.02	1.97
1.033	1.20	7.033	2.41	13.033	5.90	19.03	1.97
1.050	1.20	7.050	2.41	13.050	5.90	19.05	1.97
1.067	1.20	7.067	2.41	13.067	5.90	19.07	1.97
1.083	1.20	7.083	2.41	13.083	5.90	19.08	1.97
1.100	1.20	7.100	2.41	13.100	5.90	19.10	1.97
1.117	1.20	7.117	2.41	13.117	5.90	19.12	1.97
1.133	1.20	7.133	2.41	13.133	5.90	19.13	1.97
1.150	1.20	7.150	2.41	13.150	5.90	19.15	1.97
1.167	1.20	7.167	2.41	13.167	5.90	19.17	1.97
1.183	1.20	7.183	2.41	13.183	5.90	19.18	1.97
1.200	1.20	7.200	2.41	13.200	5.90	19.20	1.97
1.217	1.20	7.217	2.41	13.217	5.90	19.22	1.97
1.233	1.20	7.233	2.41	13.233	5.90	19.23	1.97
1.250	1.20	7.250	2.41	13.250	5.90	19.25	1.97
1.267	1.20	7.267	2.41	13.267	5.90	19.27	1.97
1.283	1.20	7.283	2.41	13.283	5.90	19.28	1.97
1.300	1.20	7.300	2.41	13.300	5.90	19.30	1.97
1.317	1.20	7.317	2.41	13.317	5.90	19.32	1.97
1.333	1.20	7.333	2.41	13.333	5.90	19.33	1.97
1.350	1.20	7.350	2.41	13.350	5.90	19.35	1.97
1.367	1.20	7.367	2.41	13.367	5.90	19.37	1.97
1.383	1.20	7.383	2.41	13.383	5.90	19.38	1.97
1.400	1.20	7.400	2.41	13.400	5.90	19.40	1.97
1.417	1.20	7.417	2.41	13.417	5.90	19.42	1.97
1.433	1.20	7.433	2.41	13.433	5.90	19.43	1.97
1.450	1.20	7.450	2.41	13.450	5.90	19.45	1.97
1.467	1.20	7.467	2.41	13.467	5.90	19.47	1.97
1.483	1.20	7.483	2.41	13.483	5.90	19.48	1.97
1.500	1.20	7.500	2.41	13.500	5.90	19.50	1.97
1.517	1.20	7.517	2.41	13.517	4.60	19.52	1.97
1.533	1.20	7.533	2.41	13.533	4.59	19.53	1.97
1.550	1.20	7.550	2.41	13.550	4.59	19.55	1.97
1.567	1.20	7.567	2.41	13.567	4.59	19.57	1.97
1.583	1.20	7.583	2.41	13.583	4.59	19.58	1.97
1.600	1.20	7.600	2.41	13.600	4.59	19.60	1.97
1.617	1.20	7.617	2.41	13.617	4.59	19.62	1.97
1.633	1.20	7.633	2.41	13.633	4.59	19.63	1.97
1.650	1.20	7.650	2.41	13.650	4.59	19.65	1.97
1.667	1.20	7.667	2.41	13.667	4.59	19.67	1.97
1.683	1.20	7.683	2.41	13.683	4.59	19.68	1.97
1.700	1.20	7.700	2.41	13.700	4.59	19.70	1.97
1.717	1.20	7.717	2.41	13.717	4.59	19.72	1.97
1.733	1.20	7.733	2.41	13.733	4.59	19.73	1.97
1.750	1.20	7.750	2.41	13.750	4.59	19.75	1.97
1.767	1.20	7.767	2.41	13.767	4.59	19.77	1.97
1.783	1.20	7.783	2.41	13.783	4.59	19.78	1.97
1.800	1.20	7.800	2.41	13.800	4.59	19.80	1.97
1.817	1.20	7.817	2.41	13.817	4.59	19.82	1.97

1.833	1.20	7.833	2.41	13.833	4.59	19.83	1.97
1.850	1.20	7.850	2.41	13.850	4.59	19.85	1.97
1.867	1.20	7.867	2.41	13.867	4.59	19.87	1.97
1.883	1.20	7.883	2.41	13.883	4.59	19.88	1.97
1.900	1.20	7.900	2.41	13.900	4.59	19.90	1.97
1.917	1.20	7.917	2.41	13.917	4.59	19.92	1.97
1.933	1.20	7.933	2.41	13.933	4.59	19.93	1.97
1.950	1.20	7.950	2.41	13.950	4.59	19.95	1.97
1.967	1.20	7.967	2.41	13.967	4.59	19.97	1.97
1.983	1.20	7.983	2.41	13.983	4.59	19.98	1.97
2.000	1.20	8.000	2.41	14.000	4.59	20.00	1.97
2.017	1.42	8.017	2.84	14.017	3.28	20.02	1.32
2.033	1.42	8.033	2.84	14.033	3.28	20.03	1.31
2.050	1.42	8.050	2.84	14.050	3.28	20.05	1.31
2.067	1.42	8.067	2.84	14.067	3.28	20.07	1.31
2.083	1.42	8.083	2.84	14.083	3.28	20.08	1.31
2.100	1.42	8.100	2.84	14.100	3.28	20.10	1.31
2.117	1.42	8.117	2.84	14.117	3.28	20.12	1.31
2.133	1.42	8.133	2.84	14.133	3.28	20.13	1.31
2.150	1.42	8.150	2.84	14.150	3.28	20.15	1.31
2.167	1.42	8.167	2.84	14.167	3.28	20.17	1.31
2.183	1.42	8.183	2.84	14.183	3.28	20.18	1.31
2.200	1.42	8.200	2.84	14.200	3.28	20.20	1.31
2.217	1.42	8.217	2.84	14.217	3.28	20.22	1.31
2.233	1.42	8.233	2.84	14.233	3.28	20.23	1.31
2.250	1.42	8.250	2.84	14.250	3.28	20.25	1.31
2.267	1.42	8.267	2.84	14.267	3.28	20.27	1.31
2.283	1.42	8.283	2.84	14.283	3.28	20.28	1.31
2.300	1.42	8.300	2.84	14.300	3.28	20.30	1.31
2.317	1.42	8.317	2.84	14.317	3.28	20.32	1.31
2.333	1.42	8.333	2.84	14.333	3.28	20.33	1.31
2.350	1.42	8.350	2.84	14.350	3.28	20.35	1.31
2.367	1.42	8.367	2.84	14.367	3.28	20.37	1.31
2.383	1.42	8.383	2.84	14.383	3.28	20.38	1.31
2.400	1.42	8.400	2.84	14.400	3.28	20.40	1.31
2.417	1.42	8.417	2.84	14.417	3.28	20.42	1.31
2.433	1.42	8.433	2.84	14.433	3.28	20.43	1.31
2.450	1.42	8.450	2.84	14.450	3.28	20.45	1.31
2.467	1.42	8.467	2.84	14.467	3.28	20.47	1.31
2.483	1.42	8.483	2.84	14.483	3.28	20.48	1.31
2.500	1.42	8.500	2.84	14.500	3.28	20.50	1.31
2.517	1.42	8.517	3.06	14.517	3.28	20.52	1.31
2.533	1.42	8.533	3.06	14.533	3.28	20.53	1.31
2.550	1.42	8.550	3.06	14.550	3.28	20.55	1.31
2.567	1.42	8.567	3.06	14.567	3.28	20.57	1.31
2.583	1.42	8.583	3.06	14.583	3.28	20.58	1.31
2.600	1.42	8.600	3.06	14.600	3.28	20.60	1.31
2.617	1.42	8.617	3.06	14.617	3.28	20.62	1.31
2.633	1.42	8.633	3.06	14.633	3.28	20.63	1.31
2.650	1.42	8.650	3.06	14.650	3.28	20.65	1.31
2.667	1.42	8.667	3.06	14.667	3.28	20.67	1.31
2.683	1.42	8.683	3.06	14.683	3.28	20.68	1.31
2.700	1.42	8.700	3.06	14.700	3.28	20.70	1.31
2.717	1.42	8.717	3.06	14.717	3.28	20.72	1.31
2.733	1.42	8.733	3.06	14.733	3.28	20.73	1.31
2.750	1.42	8.750	3.06	14.750	3.28	20.75	1.31
2.767	1.42	8.767	3.06	14.767	3.28	20.77	1.31
2.783	1.42	8.783	3.06	14.783	3.28	20.78	1.31
2.800	1.42	8.800	3.06	14.800	3.28	20.80	1.31
2.817	1.42	8.817	3.06	14.817	3.28	20.82	1.31
2.833	1.42	8.833	3.06	14.833	3.28	20.83	1.31
2.850	1.42	8.850	3.06	14.850	3.28	20.85	1.31
2.867	1.42	8.867	3.06	14.867	3.28	20.87	1.31
2.883	1.42	8.883	3.06	14.883	3.28	20.88	1.31
2.900	1.42	8.900	3.06	14.900	3.28	20.90	1.31
2.917	1.42	8.917	3.06	14.917	3.28	20.92	1.31
2.933	1.42	8.933	3.06	14.933	3.28	20.93	1.31
2.950	1.42	8.950	3.06	14.950	3.28	20.95	1.31
2.967	1.42	8.967	3.06	14.967	3.28	20.97	1.31
2.983	1.42	8.983	3.06	14.983	3.28	20.98	1.31
3.000	1.42	9.000	3.06	15.000	3.28	21.00	1.31
3.017	1.42	9.017	3.50	15.017	3.28	21.02	1.31
3.033	1.42	9.033	3.50	15.033	3.28	21.03	1.31
3.050	1.42	9.050	3.50	15.050	3.28	21.05	1.31
3.067	1.42	9.067	3.50	15.067	3.28	21.07	1.31
3.083	1.42	9.083	3.50	15.083	3.28	21.08	1.31
3.100	1.42	9.100	3.50	15.100	3.28	21.10	1.31
3.117	1.42	9.117	3.50	15.117	3.28	21.12	1.31
3.133	1.42	9.133	3.50	15.133	3.28	21.13	1.31
3.150	1.42	9.150	3.50	15.150	3.28	21.15	1.31
3.167	1.42	9.167	3.50	15.167	3.28	21.17	1.31
3.183	1.42	9.183	3.50	15.183	3.28	21.18	1.31
3.200	1.42	9.200	3.50	15.200	3.28	21.20	1.31
3.217	1.42	9.217	3.50	15.217	3.28	21.22	1.31

3.233	1.42	9.233	3.50	15.233	3.28	21.23	1.31
3.250	1.42	9.250	3.50	15.250	3.28	21.25	1.31
3.267	1.42	9.267	3.50	15.267	3.28	21.27	1.31
3.283	1.42	9.283	3.50	15.283	3.28	21.28	1.31
3.300	1.42	9.300	3.50	15.300	3.28	21.30	1.31
3.317	1.42	9.317	3.50	15.317	3.28	21.32	1.31
3.333	1.42	9.333	3.50	15.333	3.28	21.33	1.31
3.350	1.42	9.350	3.50	15.350	3.28	21.35	1.31
3.367	1.42	9.367	3.50	15.367	3.28	21.37	1.31
3.383	1.42	9.383	3.50	15.383	3.28	21.38	1.31
3.400	1.42	9.400	3.50	15.400	3.28	21.40	1.31
3.417	1.42	9.417	3.50	15.417	3.28	21.42	1.31
3.433	1.42	9.433	3.50	15.433	3.28	21.43	1.31
3.450	1.42	9.450	3.50	15.450	3.28	21.45	1.31
3.467	1.42	9.467	3.50	15.467	3.28	21.47	1.31
3.483	1.42	9.483	3.50	15.483	3.28	21.48	1.31
3.500	1.42	9.500	3.50	15.500	3.28	21.50	1.31
3.517	1.42	9.517	3.94	15.517	3.28	21.52	1.31
3.533	1.42	9.533	3.94	15.533	3.28	21.53	1.31
3.550	1.42	9.550	3.94	15.550	3.28	21.55	1.31
3.567	1.42	9.567	3.94	15.567	3.28	21.57	1.31
3.583	1.42	9.583	3.94	15.583	3.28	21.58	1.31
3.600	1.42	9.600	3.94	15.600	3.28	21.60	1.31
3.617	1.42	9.617	3.94	15.617	3.28	21.62	1.31
3.633	1.42	9.633	3.94	15.633	3.28	21.63	1.31
3.650	1.42	9.650	3.94	15.650	3.28	21.65	1.31
3.667	1.42	9.667	3.94	15.667	3.28	21.67	1.31
3.683	1.42	9.683	3.94	15.683	3.28	21.68	1.31
3.700	1.42	9.700	3.94	15.700	3.28	21.70	1.31
3.717	1.42	9.717	3.94	15.717	3.28	21.72	1.31
3.733	1.42	9.733	3.94	15.733	3.28	21.73	1.31
3.750	1.42	9.750	3.94	15.750	3.28	21.75	1.31
3.767	1.42	9.767	3.94	15.767	3.28	21.77	1.31
3.783	1.42	9.783	3.94	15.783	3.28	21.78	1.31
3.800	1.42	9.800	3.94	15.800	3.28	21.80	1.31
3.817	1.42	9.817	3.94	15.817	3.28	21.82	1.31
3.833	1.42	9.833	3.94	15.833	3.28	21.83	1.31
3.850	1.42	9.850	3.94	15.850	3.28	21.85	1.31
3.867	1.42	9.867	3.94	15.867	3.28	21.87	1.31
3.883	1.42	9.883	3.94	15.883	3.28	21.88	1.31
3.900	1.42	9.900	3.94	15.900	3.28	21.90	1.31
3.917	1.42	9.917	3.94	15.917	3.28	21.92	1.31
3.933	1.42	9.933	3.94	15.933	3.28	21.93	1.31
3.950	1.42	9.950	3.94	15.950	3.28	21.95	1.31
3.967	1.42	9.967	3.94	15.967	3.28	21.97	1.31
3.983	1.42	9.983	3.94	15.983	3.28	21.98	1.31
4.000	1.42	10.000	3.94	16.000	3.28	22.00	1.31
4.017	1.75	10.017	5.03	16.017	1.97	22.02	1.31
4.033	1.75	10.033	5.03	16.033	1.97	22.03	1.31
4.050	1.75	10.050	5.03	16.050	1.97	22.05	1.31
4.067	1.75	10.067	5.03	16.067	1.97	22.07	1.31
4.083	1.75	10.083	5.03	16.083	1.97	22.08	1.31
4.100	1.75	10.100	5.03	16.100	1.97	22.10	1.31
4.117	1.75	10.117	5.03	16.117	1.97	22.12	1.31
4.133	1.75	10.133	5.03	16.133	1.97	22.13	1.31
4.150	1.75	10.150	5.03	16.150	1.97	22.15	1.31
4.167	1.75	10.167	5.03	16.167	1.97	22.17	1.31
4.183	1.75	10.183	5.03	16.183	1.97	22.18	1.31
4.200	1.75	10.200	5.03	16.200	1.97	22.20	1.31
4.217	1.75	10.217	5.03	16.217	1.97	22.22	1.31
4.233	1.75	10.233	5.03	16.233	1.97	22.23	1.31
4.250	1.75	10.250	5.03	16.250	1.97	22.25	1.31
4.267	1.75	10.267	5.03	16.267	1.97	22.27	1.31
4.283	1.75	10.283	5.03	16.283	1.97	22.28	1.31
4.300	1.75	10.300	5.03	16.300	1.97	22.30	1.31
4.317	1.75	10.317	5.03	16.317	1.97	22.32	1.31
4.333	1.75	10.333	5.03	16.333	1.97	22.33	1.31
4.350	1.75	10.350	5.03	16.350	1.97	22.35	1.31
4.367	1.75	10.367	5.03	16.367	1.97	22.37	1.31
4.383	1.75	10.383	5.03	16.383	1.97	22.38	1.31
4.400	1.75	10.400	5.03	16.400	1.97	22.40	1.31
4.417	1.75	10.417	5.03	16.417	1.97	22.42	1.31
4.433	1.75	10.433	5.03	16.433	1.97	22.43	1.31
4.450	1.75	10.450	5.03	16.450	1.97	22.45	1.31
4.467	1.75	10.467	5.03	16.467	1.97	22.47	1.31
4.483	1.75	10.483	5.03	16.483	1.97	22.48	1.31
4.500	1.75	10.500	5.03	16.500	1.97	22.50	1.31
4.517	1.75	10.517	6.78	16.517	1.97	22.52	1.31
4.533	1.75	10.533	6.78	16.533	1.97	22.53	1.31
4.550	1.75	10.550	6.78	16.550	1.97	22.55	1.31
4.567	1.75	10.567	6.78	16.567	1.97	22.57	1.31
4.583	1.75	10.583	6.78	16.583	1.97	22.58	1.31
4.600	1.75	10.600	6.78	16.600	1.97	22.60	1.31
4.617	1.75	10.617	6.78	16.617	1.97	22.62	1.31

4.633	1.75	10.633	6.78	16.633	1.97	22.63	1.31
4.650	1.75	10.650	6.78	16.650	1.97	22.65	1.31
4.667	1.75	10.667	6.78	16.667	1.97	22.67	1.31
4.683	1.75	10.683	6.78	16.683	1.97	22.68	1.31
4.700	1.75	10.700	6.78	16.700	1.97	22.70	1.31
4.717	1.75	10.717	6.78	16.717	1.97	22.72	1.31
4.733	1.75	10.733	6.78	16.733	1.97	22.73	1.31
4.750	1.75	10.750	6.78	16.750	1.97	22.75	1.31
4.767	1.75	10.767	6.78	16.767	1.97	22.77	1.31
4.783	1.75	10.783	6.78	16.783	1.97	22.78	1.31
4.800	1.75	10.800	6.78	16.800	1.97	22.80	1.31
4.817	1.75	10.817	6.78	16.817	1.97	22.82	1.31
4.833	1.75	10.833	6.78	16.833	1.97	22.83	1.31
4.850	1.75	10.850	6.78	16.850	1.97	22.85	1.31
4.867	1.75	10.867	6.78	16.867	1.97	22.87	1.31
4.883	1.75	10.883	6.78	16.883	1.97	22.88	1.31
4.900	1.75	10.900	6.78	16.900	1.97	22.90	1.31
4.917	1.75	10.917	6.78	16.917	1.97	22.92	1.31
4.933	1.75	10.933	6.78	16.933	1.97	22.93	1.31
4.950	1.75	10.950	6.78	16.950	1.97	22.95	1.31
4.967	1.75	10.967	6.78	16.967	1.97	22.97	1.31
4.983	1.75	10.983	6.78	16.983	1.97	22.98	1.31
5.000	1.75	11.000	6.78	17.000	1.97	23.00	1.31
5.017	1.75	11.017	10.50	17.017	1.97	23.02	1.31
5.033	1.75	11.033	10.50	17.033	1.97	23.03	1.31
5.050	1.75	11.050	10.50	17.050	1.97	23.05	1.31
5.067	1.75	11.067	10.50	17.067	1.97	23.07	1.31
5.083	1.75	11.083	10.50	17.083	1.97	23.08	1.31
5.100	1.75	11.100	10.50	17.100	1.97	23.10	1.31
5.117	1.75	11.117	10.50	17.117	1.97	23.12	1.31
5.133	1.75	11.133	10.50	17.133	1.97	23.13	1.31
5.150	1.75	11.150	10.50	17.150	1.97	23.15	1.31
5.167	1.75	11.167	10.50	17.167	1.97	23.17	1.31
5.183	1.75	11.183	10.50	17.183	1.97	23.18	1.31
5.200	1.75	11.200	10.50	17.200	1.97	23.20	1.31
5.217	1.75	11.217	10.50	17.217	1.97	23.22	1.31
5.233	1.75	11.233	10.50	17.233	1.97	23.23	1.31
5.250	1.75	11.250	10.50	17.250	1.97	23.25	1.31
5.267	1.75	11.267	10.50	17.267	1.97	23.27	1.31
5.283	1.75	11.283	10.50	17.283	1.97	23.28	1.31
5.300	1.75	11.300	10.50	17.300	1.97	23.30	1.31
5.317	1.75	11.317	10.50	17.317	1.97	23.32	1.31
5.333	1.75	11.333	10.50	17.333	1.97	23.33	1.31
5.350	1.75	11.350	10.50	17.350	1.97	23.35	1.31
5.367	1.75	11.367	10.50	17.367	1.97	23.37	1.31
5.383	1.75	11.383	10.50	17.383	1.97	23.38	1.31
5.400	1.75	11.400	10.50	17.400	1.97	23.40	1.31
5.417	1.75	11.417	10.50	17.417	1.97	23.42	1.31
5.433	1.75	11.433	10.50	17.433	1.97	23.43	1.31
5.450	1.75	11.450	10.50	17.450	1.97	23.45	1.31
5.467	1.75	11.467	10.50	17.467	1.97	23.47	1.31
5.483	1.75	11.483	10.50	17.483	1.97	23.48	1.31
5.500	1.75	11.500	10.50	17.500	1.97	23.50	1.31
5.517	1.75	11.517	32.36	17.517	1.97	23.52	1.31
5.533	1.75	11.533	32.37	17.533	1.97	23.53	1.31
5.550	1.75	11.550	32.37	17.550	1.97	23.55	1.31
5.567	1.75	11.567	32.37	17.567	1.97	23.57	1.31
5.583	1.75	11.583	32.37	17.583	1.97	23.58	1.31
5.600	1.75	11.600	32.37	17.600	1.97	23.60	1.31
5.617	1.75	11.617	32.37	17.617	1.97	23.62	1.31
5.633	1.75	11.633	32.37	17.633	1.97	23.63	1.31
5.650	1.75	11.650	32.37	17.650	1.97	23.65	1.31
5.667	1.75	11.667	32.37	17.667	1.97	23.67	1.31
5.683	1.75	11.683	32.37	17.683	1.97	23.68	1.31
5.700	1.75	11.700	32.37	17.700	1.97	23.70	1.31
5.717	1.75	11.717	32.37	17.717	1.97	23.72	1.31
5.733	1.75	11.733	32.37	17.733	1.97	23.73	1.31
5.750	1.75	11.750	32.37	17.750	1.97	23.75	1.31
5.767	1.75	11.767	133.80	17.767	1.97	23.77	1.31
5.783	1.75	11.783	133.84	17.783	1.97	23.78	1.31
5.800	1.75	11.800	133.84	17.800	1.97	23.80	1.31
5.817	1.75	11.817	133.84	17.817	1.97	23.82	1.31
5.833	1.75	11.833	133.84	17.833	1.97	23.83	1.31
5.850	1.75	11.850	133.84	17.850	1.97	23.85	1.31
5.867	1.75	11.867	133.84	17.867	1.97	23.87	1.31
5.883	1.75	11.883	133.84	17.883	1.97	23.88	1.31
5.900	1.75	11.900	133.84	17.900	1.97	23.90	1.31
5.917	1.75	11.917	133.84	17.917	1.97	23.92	1.31
5.933	1.75	11.933	133.84	17.933	1.97	23.93	1.31
5.950	1.75	11.950	133.84	17.950	1.97	23.95	1.31
5.967	1.75	11.967	133.84	17.967	1.97	23.97	1.31
5.983	1.75	11.983	133.84	17.983	1.97	23.98	1.31
6.000	1.75	12.000	133.84	18.000	1.97	24.00	1.31

TOTAL \$

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.20	6.017	1.97	12.017	15.83	18.02	1.97
0.033	1.20	6.033	1.97	12.033	15.75	18.03	1.97
0.050	1.20	6.050	1.97	12.050	15.75	18.05	1.97
0.067	1.20	6.067	1.97	12.067	15.75	18.07	1.97
0.083	1.20	6.083	1.97	12.083	15.75	18.08	1.97
0.100	1.20	6.100	1.97	12.100	15.75	18.10	1.97
0.117	1.20	6.117	1.97	12.117	15.75	18.12	1.97
0.133	1.20	6.133	1.97	12.133	15.75	18.13	1.97
0.150	1.20	6.150	1.97	12.150	15.75	18.15	1.97
0.167	1.20	6.167	1.97	12.167	15.75	18.17	1.97
0.183	1.20	6.183	1.97	12.183	15.75	18.18	1.97
0.200	1.20	6.200	1.97	12.200	15.75	18.20	1.97
0.217	1.20	6.217	1.97	12.217	15.75	18.22	1.97
0.233	1.20	6.233	1.97	12.233	15.75	18.23	1.97
0.250	1.20	6.250	1.97	12.250	15.75	18.25	1.97
0.267	1.20	6.267	1.97	12.267	15.75	18.27	1.97
0.283	1.20	6.283	1.97	12.283	15.75	18.28	1.97
0.300	1.20	6.300	1.97	12.300	15.75	18.30	1.97
0.317	1.20	6.317	1.97	12.317	15.75	18.32	1.97
0.333	1.20	6.333	1.97	12.333	15.75	18.33	1.97
0.350	1.20	6.350	1.97	12.350	15.75	18.35	1.97
0.367	1.20	6.367	1.97	12.367	15.75	18.37	1.97
0.383	1.20	6.383	1.97	12.383	15.75	18.38	1.97
0.400	1.20	6.400	1.97	12.400	15.75	18.40	1.97
0.417	1.20	6.417	1.97	12.417	15.75	18.42	1.97

0.433	1.20	6.433	1.97	12.433	15.75	18.43	1.97
0.450	1.20	6.450	1.97	12.450	15.75	18.45	1.97
0.467	1.20	6.467	1.97	12.467	15.75	18.47	1.97
0.483	1.20	6.483	1.97	12.483	15.75	18.48	1.97
0.500	1.20	6.500	1.97	12.500	15.75	18.50	1.97
0.517	1.20	6.517	1.97	12.517	8.10	18.52	1.97
0.533	1.20	6.533	1.97	12.533	8.09	18.53	1.97
0.550	1.20	6.550	1.97	12.550	8.09	18.55	1.97
0.567	1.20	6.567	1.97	12.567	8.09	18.57	1.97
0.583	1.20	6.583	1.97	12.583	8.09	18.58	1.97
0.600	1.20	6.600	1.97	12.600	8.09	18.60	1.97
0.617	1.20	6.617	1.97	12.617	8.09	18.62	1.97
0.633	1.20	6.633	1.97	12.633	8.09	18.63	1.97
0.650	1.20	6.650	1.97	12.650	8.09	18.65	1.97
0.667	1.20	6.667	1.97	12.667	8.09	18.67	1.97
0.683	1.20	6.683	1.97	12.683	8.09	18.68	1.97
0.700	1.20	6.700	1.97	12.700	8.09	18.70	1.97
0.717	1.20	6.717	1.97	12.717	8.09	18.72	1.97
0.733	1.20	6.733	1.97	12.733	8.09	18.73	1.97
0.750	1.20	6.750	1.97	12.750	8.09	18.75	1.97
0.767	1.20	6.767	1.97	12.767	8.09	18.77	1.97
0.783	1.20	6.783	1.97	12.783	8.09	18.78	1.97
0.800	1.20	6.800	1.97	12.800	8.09	18.80	1.97
0.817	1.20	6.817	1.97	12.817	8.09	18.82	1.97
0.833	1.20	6.833	1.97	12.833	8.09	18.83	1.97
0.850	1.20	6.850	1.97	12.850	8.09	18.85	1.97
0.867	1.20	6.867	1.97	12.867	8.09	18.87	1.97
0.883	1.20	6.883	1.97	12.883	8.09	18.88	1.97
0.900	1.20	6.900	1.97	12.900	8.09	18.90	1.97
0.917	1.20	6.917	1.97	12.917	8.09	18.92	1.97
0.933	1.20	6.933	1.97	12.933	8.09	18.93	1.97
0.950	1.20	6.950	1.97	12.950	8.09	18.95	1.97
0.967	1.20	6.967	1.97	12.967	8.09	18.97	1.97
0.983	1.20	6.983	1.97	12.983	8.09	18.98	1.97
1.000	1.20	7.000	1.97	13.000	8.09	19.00	1.97
1.017	1.20	7.017	2.41	13.017	5.91	19.02	1.97
1.033	1.20	7.033	2.41	13.033	5.90	19.03	1.97
1.050	1.20	7.050	2.41	13.050	5.90	19.05	1.97
1.067	1.20	7.067	2.41	13.067	5.90	19.07	1.97
1.083	1.20	7.083	2.41	13.083	5.90	19.08	1.97
1.100	1.20	7.100	2.41	13.100	5.90	19.10	1.97
1.117	1.20	7.117	2.41	13.117	5.90	19.12	1.97
1.133	1.20	7.133	2.41	13.133	5.90	19.13	1.97
1.150	1.20	7.150	2.41	13.150	5.90	19.15	1.97
1.167	1.20	7.167	2.41	13.167	5.90	19.17	1.97
1.183	1.20	7.183	2.41	13.183	5.90	19.18	1.97
1.200	1.20	7.200	2.41	13.200	5.90	19.20	1.97
1.217	1.20	7.217	2.41	13.217	5.90	19.22	1.97
1.233	1.20	7.233	2.41	13.233	5.90	19.23	1.97
1.250	1.20	7.250	2.41	13.250	5.90	19.25	1.97
1.267	1.20	7.267	2.41	13.267	5.90	19.27	1.97
1.283	1.20	7.283	2.41	13.283	5.90	19.28	1.97
1.300	1.20	7.300	2.41	13.300	5.90	19.30	1.97
1.317	1.20	7.317	2.41	13.317	5.90	19.32	1.97
1.333	1.20	7.333	2.41	13.333	5.90	19.33	1.97
1.350	1.20	7.350	2.41	13.350	5.90	19.35	1.97
1.367	1.20	7.367	2.41	13.367	5.90	19.37	1.97
1.383	1.20	7.383	2.41	13.383	5.90	19.38	1.97
1.400	1.20	7.400	2.41	13.400	5.90	19.40	1.97
1.417	1.20	7.417	2.41	13.417	5.90	19.42	1.97
1.433	1.20	7.433	2.41	13.433	5.90	19.43	1.97
1.450	1.20	7.450	2.41	13.450	5.90	19.45	1.97
1.467	1.20	7.467	2.41	13.467	5.90	19.47	1.97
1.483	1.20	7.483	2.41	13.483	5.90	19.48	1.97
1.500	1.20	7.500	2.41	13.500	5.90	19.50	1.97
1.517	1.20	7.517	2.41	13.517	4.60	19.52	1.97
1.533	1.20	7.533	2.41	13.533	4.59	19.53	1.97
1.550	1.20	7.550	2.41	13.550	4.59	19.55	1.97
1.567	1.20	7.567	2.41	13.567	4.59	19.57	1.97
1.583	1.20	7.583	2.41	13.583	4.59	19.58	1.97
1.600	1.20	7.600	2.41	13.600	4.59	19.60	1.97
1.617	1.20	7.617	2.41	13.617	4.59	19.62	1.97
1.633	1.20	7.633	2.41	13.633	4.59	19.63	1.97
1.650	1.20	7.650	2.41	13.650	4.59	19.65	1.97
1.667	1.20	7.667	2.41	13.667	4.59	19.67	1.97
1.683	1.20	7.683	2.41	13.683	4.59	19.68	1.97
1.700	1.20	7.700	2.41	13.700	4.59	19.70	1.97
1.717	1.20	7.717	2.41	13.717	4.59	19.72	1.97
1.733	1.20	7.733	2.41	13.733	4.59	19.73	1.97
1.750	1.20	7.750	2.41	13.750	4.59	19.75	1.97
1.767	1.20	7.767	2.41	13.767	4.59	19.77	1.97
1.783	1.20	7.783	2.41	13.783	4.59	19.78	1.97
1.800	1.20	7.800	2.41	13.800	4.59	19.80	1.97
1.817	1.20	7.817	2.41	13.817	4.59	19.82	1.97

1.833	1.20	7.833	2.41	13.833	4.59	19.83	1.97
1.850	1.20	7.850	2.41	13.850	4.59	19.85	1.97
1.867	1.20	7.867	2.41	13.867	4.59	19.87	1.97
1.883	1.20	7.883	2.41	13.883	4.59	19.88	1.97
1.900	1.20	7.900	2.41	13.900	4.59	19.90	1.97
1.917	1.20	7.917	2.41	13.917	4.59	19.92	1.97
1.933	1.20	7.933	2.41	13.933	4.59	19.93	1.97
1.950	1.20	7.950	2.41	13.950	4.59	19.95	1.97
1.967	1.20	7.967	2.41	13.967	4.59	19.97	1.97
1.983	1.20	7.983	2.41	13.983	4.59	19.98	1.97
2.000	1.20	8.000	2.41	14.000	4.59	20.00	1.97
2.017	1.42	8.017	2.84	14.017	3.28	20.02	1.32
2.033	1.42	8.033	2.84	14.033	3.28	20.03	1.31
2.050	1.42	8.050	2.84	14.050	3.28	20.05	1.31
2.067	1.42	8.067	2.84	14.067	3.28	20.07	1.31
2.083	1.42	8.083	2.84	14.083	3.28	20.08	1.31
2.100	1.42	8.100	2.84	14.100	3.28	20.10	1.31
2.117	1.42	8.117	2.84	14.117	3.28	20.12	1.31
2.133	1.42	8.133	2.84	14.133	3.28	20.13	1.31
2.150	1.42	8.150	2.84	14.150	3.28	20.15	1.31
2.167	1.42	8.167	2.84	14.167	3.28	20.17	1.31
2.183	1.42	8.183	2.84	14.183	3.28	20.18	1.31
2.200	1.42	8.200	2.84	14.200	3.28	20.20	1.31
2.217	1.42	8.217	2.84	14.217	3.28	20.22	1.31
2.233	1.42	8.233	2.84	14.233	3.28	20.23	1.31
2.250	1.42	8.250	2.84	14.250	3.28	20.25	1.31
2.267	1.42	8.267	2.84	14.267	3.28	20.27	1.31
2.283	1.42	8.283	2.84	14.283	3.28	20.28	1.31
2.300	1.42	8.300	2.84	14.300	3.28	20.30	1.31
2.317	1.42	8.317	2.84	14.317	3.28	20.32	1.31
2.333	1.42	8.333	2.84	14.333	3.28	20.33	1.31
2.350	1.42	8.350	2.84	14.350	3.28	20.35	1.31
2.367	1.42	8.367	2.84	14.367	3.28	20.37	1.31
2.383	1.42	8.383	2.84	14.383	3.28	20.38	1.31
2.400	1.42	8.400	2.84	14.400	3.28	20.40	1.31
2.417	1.42	8.417	2.84	14.417	3.28	20.42	1.31
2.433	1.42	8.433	2.84	14.433	3.28	20.43	1.31
2.450	1.42	8.450	2.84	14.450	3.28	20.45	1.31
2.467	1.42	8.467	2.84	14.467	3.28	20.47	1.31
2.483	1.42	8.483	2.84	14.483	3.28	20.48	1.31
2.500	1.42	8.500	2.84	14.500	3.28	20.50	1.31
2.517	1.42	8.517	3.06	14.517	3.28	20.52	1.31
2.533	1.42	8.533	3.06	14.533	3.28	20.53	1.31
2.550	1.42	8.550	3.06	14.550	3.28	20.55	1.31
2.567	1.42	8.567	3.06	14.567	3.28	20.57	1.31
2.583	1.42	8.583	3.06	14.583	3.28	20.58	1.31
2.600	1.42	8.600	3.06	14.600	3.28	20.60	1.31
2.617	1.42	8.617	3.06	14.617	3.28	20.62	1.31
2.633	1.42	8.633	3.06	14.633	3.28	20.63	1.31
2.650	1.42	8.650	3.06	14.650	3.28	20.65	1.31
2.667	1.42	8.667	3.06	14.667	3.28	20.67	1.31
2.683	1.42	8.683	3.06	14.683	3.28	20.68	1.31
2.700	1.42	8.700	3.06	14.700	3.28	20.70	1.31
2.717	1.42	8.717	3.06	14.717	3.28	20.72	1.31
2.733	1.42	8.733	3.06	14.733	3.28	20.73	1.31
2.750	1.42	8.750	3.06	14.750	3.28	20.75	1.31
2.767	1.42	8.767	3.06	14.767	3.28	20.77	1.31
2.783	1.42	8.783	3.06	14.783	3.28	20.78	1.31
2.800	1.42	8.800	3.06	14.800	3.28	20.80	1.31
2.817	1.42	8.817	3.06	14.817	3.28	20.82	1.31
2.833	1.42	8.833	3.06	14.833	3.28	20.83	1.31
2.850	1.42	8.850	3.06	14.850	3.28	20.85	1.31
2.867	1.42	8.867	3.06	14.867	3.28	20.87	1.31
2.883	1.42	8.883	3.06	14.883	3.28	20.88	1.31
2.900	1.42	8.900	3.06	14.900	3.28	20.90	1.31
2.917	1.42	8.917	3.06	14.917	3.28	20.92	1.31
2.933	1.42	8.933	3.06	14.933	3.28	20.93	1.31
2.950	1.42	8.950	3.06	14.950	3.28	20.95	1.31
2.967	1.42	8.967	3.06	14.967	3.28	20.97	1.31
2.983	1.42	8.983	3.06	14.983	3.28	20.98	1.31
3.000	1.42	9.000	3.06	15.000	3.28	21.00	1.31
3.017	1.42	9.017	3.50	15.017	3.28	21.02	1.31
3.033	1.42	9.033	3.50	15.033	3.28	21.03	1.31
3.050	1.42	9.050	3.50	15.050	3.28	21.05	1.31
3.067	1.42	9.067	3.50	15.067	3.28	21.07	1.31
3.083	1.42	9.083	3.50	15.083	3.28	21.08	1.31
3.100	1.42	9.100	3.50	15.100	3.28	21.10	1.31
3.117	1.42	9.117	3.50	15.117	3.28	21.12	1.31
3.133	1.42	9.133	3.50	15.133	3.28	21.13	1.31
3.150	1.42	9.150	3.50	15.150	3.28	21.15	1.31
3.167	1.42	9.167	3.50	15.167	3.28	21.17	1.31
3.183	1.42	9.183	3.50	15.183	3.28	21.18	1.31
3.200	1.42	9.200	3.50	15.200	3.28	21.20	1.31
3.217	1.42	9.217	3.50	15.217	3.28	21.22	1.31

3.233	1.42	9.233	3.50	15.233	3.28	21.23	1.31
3.250	1.42	9.250	3.50	15.250	3.28	21.25	1.31
3.267	1.42	9.267	3.50	15.267	3.28	21.27	1.31
3.283	1.42	9.283	3.50	15.283	3.28	21.28	1.31
3.300	1.42	9.300	3.50	15.300	3.28	21.30	1.31
3.317	1.42	9.317	3.50	15.317	3.28	21.32	1.31
3.333	1.42	9.333	3.50	15.333	3.28	21.33	1.31
3.350	1.42	9.350	3.50	15.350	3.28	21.35	1.31
3.367	1.42	9.367	3.50	15.367	3.28	21.37	1.31
3.383	1.42	9.383	3.50	15.383	3.28	21.38	1.31
3.400	1.42	9.400	3.50	15.400	3.28	21.40	1.31
3.417	1.42	9.417	3.50	15.417	3.28	21.42	1.31
3.433	1.42	9.433	3.50	15.433	3.28	21.43	1.31
3.450	1.42	9.450	3.50	15.450	3.28	21.45	1.31
3.467	1.42	9.467	3.50	15.467	3.28	21.47	1.31
3.483	1.42	9.483	3.50	15.483	3.28	21.48	1.31
3.500	1.42	9.500	3.50	15.500	3.28	21.50	1.31
3.517	1.42	9.517	3.94	15.517	3.28	21.52	1.31
3.533	1.42	9.533	3.94	15.533	3.28	21.53	1.31
3.550	1.42	9.550	3.94	15.550	3.28	21.55	1.31
3.567	1.42	9.567	3.94	15.567	3.28	21.57	1.31
3.583	1.42	9.583	3.94	15.583	3.28	21.58	1.31
3.600	1.42	9.600	3.94	15.600	3.28	21.60	1.31
3.617	1.42	9.617	3.94	15.617	3.28	21.62	1.31
3.633	1.42	9.633	3.94	15.633	3.28	21.63	1.31
3.650	1.42	9.650	3.94	15.650	3.28	21.65	1.31
3.667	1.42	9.667	3.94	15.667	3.28	21.67	1.31
3.683	1.42	9.683	3.94	15.683	3.28	21.68	1.31
3.700	1.42	9.700	3.94	15.700	3.28	21.70	1.31
3.717	1.42	9.717	3.94	15.717	3.28	21.72	1.31
3.733	1.42	9.733	3.94	15.733	3.28	21.73	1.31
3.750	1.42	9.750	3.94	15.750	3.28	21.75	1.31
3.767	1.42	9.767	3.94	15.767	3.28	21.77	1.31
3.783	1.42	9.783	3.94	15.783	3.28	21.78	1.31
3.800	1.42	9.800	3.94	15.800	3.28	21.80	1.31
3.817	1.42	9.817	3.94	15.817	3.28	21.82	1.31
3.833	1.42	9.833	3.94	15.833	3.28	21.83	1.31
3.850	1.42	9.850	3.94	15.850	3.28	21.85	1.31
3.867	1.42	9.867	3.94	15.867	3.28	21.87	1.31
3.883	1.42	9.883	3.94	15.883	3.28	21.88	1.31
3.900	1.42	9.900	3.94	15.900	3.28	21.90	1.31
3.917	1.42	9.917	3.94	15.917	3.28	21.92	1.31
3.933	1.42	9.933	3.94	15.933	3.28	21.93	1.31
3.950	1.42	9.950	3.94	15.950	3.28	21.95	1.31
3.967	1.42	9.967	3.94	15.967	3.28	21.97	1.31
3.983	1.42	9.983	3.94	15.983	3.28	21.98	1.31
4.000	1.42	10.000	3.94	16.000	3.28	22.00	1.31
4.017	1.75	10.017	5.03	16.017	1.97	22.02	1.31
4.033	1.75	10.033	5.03	16.033	1.97	22.03	1.31
4.050	1.75	10.050	5.03	16.050	1.97	22.05	1.31
4.067	1.75	10.067	5.03	16.067	1.97	22.07	1.31
4.083	1.75	10.083	5.03	16.083	1.97	22.08	1.31
4.100	1.75	10.100	5.03	16.100	1.97	22.10	1.31
4.117	1.75	10.117	5.03	16.117	1.97	22.12	1.31
4.133	1.75	10.133	5.03	16.133	1.97	22.13	1.31
4.150	1.75	10.150	5.03	16.150	1.97	22.15	1.31
4.167	1.75	10.167	5.03	16.167	1.97	22.17	1.31
4.183	1.75	10.183	5.03	16.183	1.97	22.18	1.31
4.200	1.75	10.200	5.03	16.200	1.97	22.20	1.31
4.217	1.75	10.217	5.03	16.217	1.97	22.22	1.31
4.233	1.75	10.233	5.03	16.233	1.97	22.23	1.31
4.250	1.75	10.250	5.03	16.250	1.97	22.25	1.31
4.267	1.75	10.267	5.03	16.267	1.97	22.27	1.31
4.283	1.75	10.283	5.03	16.283	1.97	22.28	1.31
4.300	1.75	10.300	5.03	16.300	1.97	22.30	1.31
4.317	1.75	10.317	5.03	16.317	1.97	22.32	1.31
4.333	1.75	10.333	5.03	16.333	1.97	22.33	1.31
4.350	1.75	10.350	5.03	16.350	1.97	22.35	1.31
4.367	1.75	10.367	5.03	16.367	1.97	22.37	1.31
4.383	1.75	10.383	5.03	16.383	1.97	22.38	1.31
4.400	1.75	10.400	5.03	16.400	1.97	22.40	1.31
4.417	1.75	10.417	5.03	16.417	1.97	22.42	1.31
4.433	1.75	10.433	5.03	16.433	1.97	22.43	1.31
4.450	1.75	10.450	5.03	16.450	1.97	22.45	1.31
4.467	1.75	10.467	5.03	16.467	1.97	22.47	1.31
4.483	1.75	10.483	5.03	16.483	1.97	22.48	1.31
4.500	1.75	10.500	5.03	16.500	1.97	22.50	1.31
4.517	1.75	10.517	6.78	16.517	1.97	22.52	1.31
4.533	1.75	10.533	6.78	16.533	1.97	22.53	1.31
4.550	1.75	10.550	6.78	16.550	1.97	22.55	1.31
4.567	1.75	10.567	6.78	16.567	1.97	22.57	1.31
4.583	1.75	10.583	6.78	16.583	1.97	22.58	1.31
4.600	1.75	10.600	6.78	16.600	1.97	22.60	1.31
4.617	1.75	10.617	6.78	16.617	1.97	22.62	1.31

4.633	1.75	10.633	6.78	16.633	1.97	22.63	1.31
4.650	1.75	10.650	6.78	16.650	1.97	22.65	1.31
4.667	1.75	10.667	6.78	16.667	1.97	22.67	1.31
4.683	1.75	10.683	6.78	16.683	1.97	22.68	1.31
4.700	1.75	10.700	6.78	16.700	1.97	22.70	1.31
4.717	1.75	10.717	6.78	16.717	1.97	22.72	1.31
4.733	1.75	10.733	6.78	16.733	1.97	22.73	1.31
4.750	1.75	10.750	6.78	16.750	1.97	22.75	1.31
4.767	1.75	10.767	6.78	16.767	1.97	22.77	1.31
4.783	1.75	10.783	6.78	16.783	1.97	22.78	1.31
4.800	1.75	10.800	6.78	16.800	1.97	22.80	1.31
4.817	1.75	10.817	6.78	16.817	1.97	22.82	1.31
4.833	1.75	10.833	6.78	16.833	1.97	22.83	1.31
4.850	1.75	10.850	6.78	16.850	1.97	22.85	1.31
4.867	1.75	10.867	6.78	16.867	1.97	22.87	1.31
4.883	1.75	10.883	6.78	16.883	1.97	22.88	1.31
4.900	1.75	10.900	6.78	16.900	1.97	22.90	1.31
4.917	1.75	10.917	6.78	16.917	1.97	22.92	1.31
4.933	1.75	10.933	6.78	16.933	1.97	22.93	1.31
4.950	1.75	10.950	6.78	16.950	1.97	22.95	1.31
4.967	1.75	10.967	6.78	16.967	1.97	22.97	1.31
4.983	1.75	10.983	6.78	16.983	1.97	22.98	1.31
5.000	1.75	11.000	6.78	17.000	1.97	23.00	1.31
5.017	1.75	11.017	10.50	17.017	1.97	23.02	1.31
5.033	1.75	11.033	10.50	17.033	1.97	23.03	1.31
5.050	1.75	11.050	10.50	17.050	1.97	23.05	1.31
5.067	1.75	11.067	10.50	17.067	1.97	23.07	1.31
5.083	1.75	11.083	10.50	17.083	1.97	23.08	1.31
5.100	1.75	11.100	10.50	17.100	1.97	23.10	1.31
5.117	1.75	11.117	10.50	17.117	1.97	23.12	1.31
5.133	1.75	11.133	10.50	17.133	1.97	23.13	1.31
5.150	1.75	11.150	10.50	17.150	1.97	23.15	1.31
5.167	1.75	11.167	10.50	17.167	1.97	23.17	1.31
5.183	1.75	11.183	10.50	17.183	1.97	23.18	1.31
5.200	1.75	11.200	10.50	17.200	1.97	23.20	1.31
5.217	1.75	11.217	10.50	17.217	1.97	23.22	1.31
5.233	1.75	11.233	10.50	17.233	1.97	23.23	1.31
5.250	1.75	11.250	10.50	17.250	1.97	23.25	1.31
5.267	1.75	11.267	10.50	17.267	1.97	23.27	1.31
5.283	1.75	11.283	10.50	17.283	1.97	23.28	1.31
5.300	1.75	11.300	10.50	17.300	1.97	23.30	1.31
5.317	1.75	11.317	10.50	17.317	1.97	23.32	1.31
5.333	1.75	11.333	10.50	17.333	1.97	23.33	1.31
5.350	1.75	11.350	10.50	17.350	1.97	23.35	1.31
5.367	1.75	11.367	10.50	17.367	1.97	23.37	1.31
5.383	1.75	11.383	10.50	17.383	1.97	23.38	1.31
5.400	1.75	11.400	10.50	17.400	1.97	23.40	1.31
5.417	1.75	11.417	10.50	17.417	1.97	23.42	1.31
5.433	1.75	11.433	10.50	17.433	1.97	23.43	1.31
5.450	1.75	11.450	10.50	17.450	1.97	23.45	1.31
5.467	1.75	11.467	10.50	17.467	1.97	23.47	1.31
5.483	1.75	11.483	10.50	17.483	1.97	23.48	1.31
5.500	1.75	11.500	10.50	17.500	1.97	23.50	1.31
5.517	1.75	11.517	32.36	17.517	1.97	23.52	1.31
5.533	1.75	11.533	32.37	17.533	1.97	23.53	1.31
5.550	1.75	11.550	32.37	17.550	1.97	23.55	1.31
5.567	1.75	11.567	32.37	17.567	1.97	23.57	1.31
5.583	1.75	11.583	32.37	17.583	1.97	23.58	1.31
5.600	1.75	11.600	32.37	17.600	1.97	23.60	1.31
5.617	1.75	11.617	32.37	17.617	1.97	23.62	1.31
5.633	1.75	11.633	32.37	17.633	1.97	23.63	1.31
5.650	1.75	11.650	32.37	17.650	1.97	23.65	1.31
5.667	1.75	11.667	32.37	17.667	1.97	23.67	1.31
5.683	1.75	11.683	32.37	17.683	1.97	23.68	1.31
5.700	1.75	11.700	32.37	17.700	1.97	23.70	1.31
5.717	1.75	11.717	32.37	17.717	1.97	23.72	1.31
5.733	1.75	11.733	32.37	17.733	1.97	23.73	1.31
5.750	1.75	11.750	32.37	17.750	1.97	23.75	1.31
5.767	1.75	11.767	133.80	17.767	1.97	23.77	1.31
5.783	1.75	11.783	133.84	17.783	1.97	23.78	1.31
5.800	1.75	11.800	133.84	17.800	1.97	23.80	1.31
5.817	1.75	11.817	133.84	17.817	1.97	23.82	1.31
5.833	1.75	11.833	133.84	17.833	1.97	23.83	1.31
5.850	1.75	11.850	133.84	17.850	1.97	23.85	1.31
5.867	1.75	11.867	133.84	17.867	1.97	23.87	1.31
5.883	1.75	11.883	133.84	17.883	1.97	23.88	1.31
5.900	1.75	11.900	133.84	17.900	1.97	23.90	1.31
5.917	1.75	11.917	133.84	17.917	1.97	23.92	1.31
5.933	1.75	11.933	133.84	17.933	1.97	23.93	1.31
5.950	1.75	11.950	133.84	17.950	1.97	23.95	1.31
5.967	1.75	11.967	133.84	17.967	1.97	23.97	1.31
5.983	1.75	11.983	133.84	17.983	1.97	23.98	1.31
6.000	1.75	12.000	133.84	18.000	1.97	24.00	1.31

Max.Eff.Inten.(mm/hr)=	133.84	49.45	
over (min)	5.00	6.00	
Storage Coeff. (min)=	0.74 (ii)	5.64 (ii)	
Unit Hyd. Tpeak (min)=	5.00	6.00	
Unit Hyd. peak (cms)=	0.51	0.20	
			TOTALS
PEAK FLOW (cms)=	0.05	0.01	0.059 (iii)
TIME TO PEAK (hrs)=	11.97	12.02	12.00
RUNOFF VOLUME (mm)=	107.35	33.95	81.65
TOTAL RAINFALL (mm)=	109.35	109.35	109.35
RUNOFF COEFFICIENT =	0.98	0.31	0.75

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
 (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
 (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)				
1 + 2 = 3				
ID1= 1 (0001):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
+ ID2= 2 (0202):	19.50	0.342	13.05	59.62
	0.21	0.059	12.00	81.65
ID = 3 (0015):	19.71	0.345	13.00	59.86

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:4.6 SCS II 24hr 100yr **

MASS STORM	Filename: C:\Users\rbrockie\AppData\Local\Temp\ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\8d35ac67
Ptotal=119.65 mm	Comments: SCS 24 HOUR TYPE II STORM DISTRIBUTION 1

Duration of storm = 24.00 hrs
 Mass curve time step = 15.00 min

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	1.32	6.00	2.15	12.00	17.23	18.00	2.15
0.25	1.32	6.25	2.15	12.25	17.23	18.25	2.15
0.50	1.32	6.50	2.15	12.50	8.85	18.50	2.15
0.75	1.32	6.75	2.15	12.75	8.85	18.75	2.15
1.00	1.32	7.00	2.63	13.00	6.46	19.00	2.15
1.25	1.32	7.25	2.63	13.25	6.46	19.25	2.15
1.50	1.32	7.50	2.63	13.50	5.03	19.50	2.15
1.75	1.32	7.75	2.63	13.75	5.03	19.75	2.15
2.00	1.56	8.00	3.11	14.00	3.59	20.00	1.44
2.25	1.56	8.25	3.11	14.25	3.59	20.25	1.44
2.50	1.56	8.50	3.35	14.50	3.59	20.50	1.44
2.75	1.56	8.75	3.35	14.75	3.59	20.75	1.44
3.00	1.56	9.00	3.83	15.00	3.59	21.00	1.44
3.25	1.56	9.25	3.83	15.25	3.59	21.25	1.44
3.50	1.56	9.50	4.31	15.50	3.59	21.50	1.44
3.75	1.56	9.75	4.31	15.75	3.59	21.75	1.44
4.00	1.91	10.00	5.50	16.00	2.15	22.00	1.44
4.25	1.91	10.25	5.50	16.25	2.15	22.25	1.44
4.50	1.91	10.50	7.42	16.50	2.15	22.50	1.44
4.75	1.91	10.75	7.42	16.75	2.15	22.75	1.44
5.00	1.91	11.00	11.49	17.00	2.15	23.00	1.44
5.25	1.91	11.25	11.49	17.25	2.15	23.25	1.44
5.50	1.91	11.50	35.42	17.50	2.15	23.50	1.44
5.75	1.91	11.75	146.45	17.75	2.15	23.75	1.44

CALIB	Area (ha)= 19.50	
STANDHYD (0201)	Total Imp(%)= 62.00	Dir. Conn.(%)= 48.00
ID= 1 DT= 1.0 min		

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	12.09	7.41
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	298.34	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.32	6.017	2.15	12.017	17.32	18.02	2.15
0.033	1.32	6.033	2.15	12.033	17.23	18.03	2.15
0.050	1.32	6.050	2.15	12.050	17.23	18.05	2.15
0.067	1.32	6.067	2.15	12.067	17.23	18.07	2.15
0.083	1.32	6.083	2.15	12.083	17.23	18.08	2.15
0.100	1.32	6.100	2.15	12.100	17.23	18.10	2.15
0.117	1.32	6.117	2.15	12.117	17.23	18.12	2.15
0.133	1.32	6.133	2.15	12.133	17.23	18.13	2.15
0.150	1.32	6.150	2.15	12.150	17.23	18.15	2.15
0.167	1.32	6.167	2.15	12.167	17.23	18.17	2.15
0.183	1.32	6.183	2.15	12.183	17.23	18.18	2.15
0.200	1.32	6.200	2.15	12.200	17.23	18.20	2.15
0.217	1.32	6.217	2.15	12.217	17.23	18.22	2.15
0.233	1.32	6.233	2.15	12.233	17.23	18.23	2.15
0.250	1.32	6.250	2.15	12.250	17.23	18.25	2.15
0.267	1.32	6.267	2.15	12.267	17.23	18.27	2.15
0.283	1.32	6.283	2.15	12.283	17.23	18.28	2.15
0.300	1.32	6.300	2.15	12.300	17.23	18.30	2.15
0.317	1.32	6.317	2.15	12.317	17.23	18.32	2.15
0.333	1.32	6.333	2.15	12.333	17.23	18.33	2.15
0.350	1.32	6.350	2.15	12.350	17.23	18.35	2.15
0.367	1.32	6.367	2.15	12.367	17.23	18.37	2.15
0.383	1.32	6.383	2.15	12.383	17.23	18.38	2.15
0.400	1.32	6.400	2.15	12.400	17.23	18.40	2.15
0.417	1.32	6.417	2.15	12.417	17.23	18.42	2.15
0.433	1.32	6.433	2.15	12.433	17.23	18.43	2.15
0.450	1.32	6.450	2.15	12.450	17.23	18.45	2.15
0.467	1.32	6.467	2.15	12.467	17.23	18.47	2.15
0.483	1.32	6.483	2.15	12.483	17.23	18.48	2.15
0.500	1.32	6.500	2.15	12.500	17.23	18.50	2.15
0.517	1.32	6.517	2.15	12.517	8.86	18.52	2.15
0.533	1.32	6.533	2.15	12.533	8.85	18.53	2.15
0.550	1.32	6.550	2.15	12.550	8.85	18.55	2.15
0.567	1.32	6.567	2.15	12.567	8.85	18.57	2.15
0.583	1.32	6.583	2.15	12.583	8.85	18.58	2.15
0.600	1.32	6.600	2.15	12.600	8.85	18.60	2.15
0.617	1.32	6.617	2.15	12.617	8.85	18.62	2.15
0.633	1.32	6.633	2.15	12.633	8.85	18.63	2.15
0.650	1.32	6.650	2.15	12.650	8.85	18.65	2.15
0.667	1.32	6.667	2.15	12.667	8.85	18.67	2.15
0.683	1.32	6.683	2.15	12.683	8.85	18.68	2.15
0.700	1.32	6.700	2.15	12.700	8.85	18.70	2.15
0.717	1.32	6.717	2.15	12.717	8.85	18.72	2.15
0.733	1.32	6.733	2.15	12.733	8.85	18.73	2.15
0.750	1.32	6.750	2.15	12.750	8.85	18.75	2.15
0.767	1.32	6.767	2.15	12.767	8.85	18.77	2.15
0.783	1.32	6.783	2.15	12.783	8.85	18.78	2.15
0.800	1.32	6.800	2.15	12.800	8.85	18.80	2.15
0.817	1.32	6.817	2.15	12.817	8.85	18.82	2.15
0.833	1.32	6.833	2.15	12.833	8.85	18.83	2.15
0.850	1.32	6.850	2.15	12.850	8.85	18.85	2.15
0.867	1.32	6.867	2.15	12.867	8.85	18.87	2.15
0.883	1.32	6.883	2.15	12.883	8.85	18.88	2.15
0.900	1.32	6.900	2.15	12.900	8.85	18.90	2.15
0.917	1.32	6.917	2.15	12.917	8.85	18.92	2.15
0.933	1.32	6.933	2.15	12.933	8.85	18.93	2.15
0.950	1.32	6.950	2.15	12.950	8.85	18.95	2.15
0.967	1.32	6.967	2.15	12.967	8.85	18.97	2.15
0.983	1.32	6.983	2.15	12.983	8.85	18.98	2.15
1.000	1.32	7.000	2.15	13.000	8.85	19.00	2.15
1.017	1.32	7.017	2.63	13.017	6.46	19.02	2.15
1.033	1.32	7.033	2.63	13.033	6.46	19.03	2.15
1.050	1.32	7.050	2.63	13.050	6.46	19.05	2.15
1.067	1.32	7.067	2.63	13.067	6.46	19.07	2.15
1.083	1.32	7.083	2.63	13.083	6.46	19.08	2.15
1.100	1.32	7.100	2.63	13.100	6.46	19.10	2.15
1.117	1.32	7.117	2.63	13.117	6.46	19.12	2.15
1.133	1.32	7.133	2.63	13.133	6.46	19.13	2.15
1.150	1.32	7.150	2.63	13.150	6.46	19.15	2.15
1.167	1.32	7.167	2.63	13.167	6.46	19.17	2.15
1.183	1.32	7.183	2.63	13.183	6.46	19.18	2.15
1.200	1.32	7.200	2.63	13.200	6.46	19.20	2.15
1.217	1.32	7.217	2.63	13.217	6.46	19.22	2.15
1.233	1.32	7.233	2.63	13.233	6.46	19.23	2.15
1.250	1.32	7.250	2.63	13.250	6.46	19.25	2.15
1.267	1.32	7.267	2.63	13.267	6.46	19.27	2.15
1.283	1.32	7.283	2.63	13.283	6.46	19.28	2.15

1.300	1.32	7.300	2.63	13.300	6.46	19.30	2.15
1.317	1.32	7.317	2.63	13.317	6.46	19.32	2.15
1.333	1.32	7.333	2.63	13.333	6.46	19.33	2.15
1.350	1.32	7.350	2.63	13.350	6.46	19.35	2.15
1.367	1.32	7.367	2.63	13.367	6.46	19.37	2.15
1.383	1.32	7.383	2.63	13.383	6.46	19.38	2.15
1.400	1.32	7.400	2.63	13.400	6.46	19.40	2.15
1.417	1.32	7.417	2.63	13.417	6.46	19.42	2.15
1.433	1.32	7.433	2.63	13.433	6.46	19.43	2.15
1.450	1.32	7.450	2.63	13.450	6.46	19.45	2.15
1.467	1.32	7.467	2.63	13.467	6.46	19.47	2.15
1.483	1.32	7.483	2.63	13.483	6.46	19.48	2.15
1.500	1.32	7.500	2.63	13.500	6.46	19.50	2.15
1.517	1.32	7.517	2.63	13.517	5.03	19.52	2.15
1.533	1.32	7.533	2.63	13.533	5.03	19.53	2.15
1.550	1.32	7.550	2.63	13.550	5.03	19.55	2.15
1.567	1.32	7.567	2.63	13.567	5.03	19.57	2.15
1.583	1.32	7.583	2.63	13.583	5.03	19.58	2.15
1.600	1.32	7.600	2.63	13.600	5.03	19.60	2.15
1.617	1.32	7.617	2.63	13.617	5.03	19.62	2.15
1.633	1.32	7.633	2.63	13.633	5.03	19.63	2.15
1.650	1.32	7.650	2.63	13.650	5.03	19.65	2.15
1.667	1.32	7.667	2.63	13.667	5.03	19.67	2.15
1.683	1.32	7.683	2.63	13.683	5.03	19.68	2.15
1.700	1.32	7.700	2.63	13.700	5.03	19.70	2.15
1.717	1.32	7.717	2.63	13.717	5.03	19.72	2.15
1.733	1.32	7.733	2.63	13.733	5.03	19.73	2.15
1.750	1.32	7.750	2.63	13.750	5.03	19.75	2.15
1.767	1.32	7.767	2.63	13.767	5.03	19.77	2.15
1.783	1.32	7.783	2.63	13.783	5.03	19.78	2.15
1.800	1.32	7.800	2.63	13.800	5.03	19.80	2.15
1.817	1.32	7.817	2.63	13.817	5.03	19.82	2.15
1.833	1.32	7.833	2.63	13.833	5.03	19.83	2.15
1.850	1.32	7.850	2.63	13.850	5.03	19.85	2.15
1.867	1.32	7.867	2.63	13.867	5.03	19.87	2.15
1.883	1.32	7.883	2.63	13.883	5.03	19.88	2.15
1.900	1.32	7.900	2.63	13.900	5.03	19.90	2.15
1.917	1.32	7.917	2.63	13.917	5.03	19.92	2.15
1.933	1.32	7.933	2.63	13.933	5.03	19.93	2.15
1.950	1.32	7.950	2.63	13.950	5.03	19.95	2.15
1.967	1.32	7.967	2.63	13.967	5.03	19.97	2.15
1.983	1.32	7.983	2.63	13.983	5.03	19.98	2.15
2.000	1.32	8.000	2.63	14.000	5.03	20.00	2.15
2.017	1.56	8.017	3.11	14.017	3.59	20.02	1.44
2.033	1.56	8.033	3.11	14.033	3.59	20.03	1.44
2.050	1.56	8.050	3.11	14.050	3.59	20.05	1.44
2.067	1.56	8.067	3.11	14.067	3.59	20.07	1.44
2.083	1.56	8.083	3.11	14.083	3.59	20.08	1.44
2.100	1.56	8.100	3.11	14.100	3.59	20.10	1.44
2.117	1.56	8.117	3.11	14.117	3.59	20.12	1.44
2.133	1.56	8.133	3.11	14.133	3.59	20.13	1.44
2.150	1.56	8.150	3.11	14.150	3.59	20.15	1.44
2.167	1.56	8.167	3.11	14.167	3.59	20.17	1.44
2.183	1.56	8.183	3.11	14.183	3.59	20.18	1.44
2.200	1.56	8.200	3.11	14.200	3.59	20.20	1.44
2.217	1.56	8.217	3.11	14.217	3.59	20.22	1.44
2.233	1.56	8.233	3.11	14.233	3.59	20.23	1.44
2.250	1.56	8.250	3.11	14.250	3.59	20.25	1.44
2.267	1.56	8.267	3.11	14.267	3.59	20.27	1.44
2.283	1.56	8.283	3.11	14.283	3.59	20.28	1.44
2.300	1.56	8.300	3.11	14.300	3.59	20.30	1.44
2.317	1.56	8.317	3.11	14.317	3.59	20.32	1.44
2.333	1.56	8.333	3.11	14.333	3.59	20.33	1.44
2.350	1.56	8.350	3.11	14.350	3.59	20.35	1.44
2.367	1.56	8.367	3.11	14.367	3.59	20.37	1.44
2.383	1.56	8.383	3.11	14.383	3.59	20.38	1.44
2.400	1.56	8.400	3.11	14.400	3.59	20.40	1.44
2.417	1.56	8.417	3.11	14.417	3.59	20.42	1.44
2.433	1.56	8.433	3.11	14.433	3.59	20.43	1.44
2.450	1.56	8.450	3.11	14.450	3.59	20.45	1.44
2.467	1.56	8.467	3.11	14.467	3.59	20.47	1.44
2.483	1.56	8.483	3.11	14.483	3.59	20.48	1.44
2.500	1.56	8.500	3.11	14.500	3.59	20.50	1.44
2.517	1.56	8.517	3.35	14.517	3.59	20.52	1.44
2.533	1.56	8.533	3.35	14.533	3.59	20.53	1.44
2.550	1.56	8.550	3.35	14.550	3.59	20.55	1.44
2.567	1.56	8.567	3.35	14.567	3.59	20.57	1.44
2.583	1.56	8.583	3.35	14.583	3.59	20.58	1.44
2.600	1.56	8.600	3.35	14.600	3.59	20.60	1.44
2.617	1.56	8.617	3.35	14.617	3.59	20.62	1.44
2.633	1.56	8.633	3.35	14.633	3.59	20.63	1.44
2.650	1.56	8.650	3.35	14.650	3.59	20.65	1.44
2.667	1.56	8.667	3.35	14.667	3.59	20.67	1.44
2.683	1.56	8.683	3.35	14.683	3.59	20.68	1.44

2.700	1.56	8.700	3.35	14.700	3.59	20.70	1.44
2.717	1.56	8.717	3.35	14.717	3.59	20.72	1.44
2.733	1.56	8.733	3.35	14.733	3.59	20.73	1.44
2.750	1.56	8.750	3.35	14.750	3.59	20.75	1.44
2.767	1.56	8.767	3.35	14.767	3.59	20.77	1.44
2.783	1.56	8.783	3.35	14.783	3.59	20.78	1.44
2.800	1.56	8.800	3.35	14.800	3.59	20.80	1.44
2.817	1.56	8.817	3.35	14.817	3.59	20.82	1.44
2.833	1.56	8.833	3.35	14.833	3.59	20.83	1.44
2.850	1.56	8.850	3.35	14.850	3.59	20.85	1.44
2.867	1.56	8.867	3.35	14.867	3.59	20.87	1.44
2.883	1.56	8.883	3.35	14.883	3.59	20.88	1.44
2.900	1.56	8.900	3.35	14.900	3.59	20.90	1.44
2.917	1.56	8.917	3.35	14.917	3.59	20.92	1.44
2.933	1.56	8.933	3.35	14.933	3.59	20.93	1.44
2.950	1.56	8.950	3.35	14.950	3.59	20.95	1.44
2.967	1.56	8.967	3.35	14.967	3.59	20.97	1.44
2.983	1.56	8.983	3.35	14.983	3.59	20.98	1.44
3.000	1.56	9.000	3.35	15.000	3.59	21.00	1.44
3.017	1.56	9.017	3.83	15.017	3.59	21.02	1.44
3.033	1.56	9.033	3.83	15.033	3.59	21.03	1.44
3.050	1.56	9.050	3.83	15.050	3.59	21.05	1.44
3.067	1.56	9.067	3.83	15.067	3.59	21.07	1.44
3.083	1.56	9.083	3.83	15.083	3.59	21.08	1.44
3.100	1.56	9.100	3.83	15.100	3.59	21.10	1.44
3.117	1.56	9.117	3.83	15.117	3.59	21.12	1.44
3.133	1.56	9.133	3.83	15.133	3.59	21.13	1.44
3.150	1.56	9.150	3.83	15.150	3.59	21.15	1.44
3.167	1.56	9.167	3.83	15.167	3.59	21.17	1.44
3.183	1.56	9.183	3.83	15.183	3.59	21.18	1.44
3.200	1.56	9.200	3.83	15.200	3.59	21.20	1.44
3.217	1.56	9.217	3.83	15.217	3.59	21.22	1.44
3.233	1.56	9.233	3.83	15.233	3.59	21.23	1.44
3.250	1.56	9.250	3.83	15.250	3.59	21.25	1.44
3.267	1.56	9.267	3.83	15.267	3.59	21.27	1.44
3.283	1.56	9.283	3.83	15.283	3.59	21.28	1.44
3.300	1.56	9.300	3.83	15.300	3.59	21.30	1.44
3.317	1.56	9.317	3.83	15.317	3.59	21.32	1.44
3.333	1.56	9.333	3.83	15.333	3.59	21.33	1.44
3.350	1.56	9.350	3.83	15.350	3.59	21.35	1.44
3.367	1.56	9.367	3.83	15.367	3.59	21.37	1.44
3.383	1.56	9.383	3.83	15.383	3.59	21.38	1.44
3.400	1.56	9.400	3.83	15.400	3.59	21.40	1.44
3.417	1.56	9.417	3.83	15.417	3.59	21.42	1.44
3.433	1.56	9.433	3.83	15.433	3.59	21.43	1.44
3.450	1.56	9.450	3.83	15.450	3.59	21.45	1.44
3.467	1.56	9.467	3.83	15.467	3.59	21.47	1.44
3.483	1.56	9.483	3.83	15.483	3.59	21.48	1.44
3.500	1.56	9.500	3.83	15.500	3.59	21.50	1.44
3.517	1.56	9.517	4.31	15.517	3.59	21.52	1.44
3.533	1.56	9.533	4.31	15.533	3.59	21.53	1.44
3.550	1.56	9.550	4.31	15.550	3.59	21.55	1.44
3.567	1.56	9.567	4.31	15.567	3.59	21.57	1.44
3.583	1.56	9.583	4.31	15.583	3.59	21.58	1.44
3.600	1.56	9.600	4.31	15.600	3.59	21.60	1.44
3.617	1.56	9.617	4.31	15.617	3.59	21.62	1.44
3.633	1.56	9.633	4.31	15.633	3.59	21.63	1.44
3.650	1.56	9.650	4.31	15.650	3.59	21.65	1.44
3.667	1.56	9.667	4.31	15.667	3.59	21.67	1.44
3.683	1.56	9.683	4.31	15.683	3.59	21.68	1.44
3.700	1.56	9.700	4.31	15.700	3.59	21.70	1.44
3.717	1.56	9.717	4.31	15.717	3.59	21.72	1.44
3.733	1.56	9.733	4.31	15.733	3.59	21.73	1.44
3.750	1.56	9.750	4.31	15.750	3.59	21.75	1.44
3.767	1.56	9.767	4.31	15.767	3.59	21.77	1.44
3.783	1.56	9.783	4.31	15.783	3.59	21.78	1.44
3.800	1.56	9.800	4.31	15.800	3.59	21.80	1.44
3.817	1.56	9.817	4.31	15.817	3.59	21.82	1.44
3.833	1.56	9.833	4.31	15.833	3.59	21.83	1.44
3.850	1.56	9.850	4.31	15.850	3.59	21.85	1.44
3.867	1.56	9.867	4.31	15.867	3.59	21.87	1.44
3.883	1.56	9.883	4.31	15.883	3.59	21.88	1.44
3.900	1.56	9.900	4.31	15.900	3.59	21.90	1.44
3.917	1.56	9.917	4.31	15.917	3.59	21.92	1.44
3.933	1.56	9.933	4.31	15.933	3.59	21.93	1.44
3.950	1.56	9.950	4.31	15.950	3.59	21.95	1.44
3.967	1.56	9.967	4.31	15.967	3.59	21.97	1.44
3.983	1.56	9.983	4.31	15.983	3.59	21.98	1.44
4.000	1.56	10.000	4.31	16.000	3.59	22.00	1.44
4.017	1.91	10.017	5.50	16.017	2.16	22.02	1.44
4.033	1.91	10.033	5.50	16.033	2.15	22.03	1.44
4.050	1.91	10.050	5.50	16.050	2.15	22.05	1.44
4.067	1.91	10.067	5.50	16.067	2.15	22.07	1.44
4.083	1.91	10.083	5.50	16.083	2.15	22.08	1.44

4.100	1.91	10.100	5.50	16.100	2.15	22.10	1.44
4.117	1.91	10.117	5.50	16.117	2.15	22.12	1.44
4.133	1.91	10.133	5.50	16.133	2.15	22.13	1.44
4.150	1.91	10.150	5.50	16.150	2.15	22.15	1.44
4.167	1.91	10.167	5.50	16.167	2.15	22.17	1.44
4.183	1.91	10.183	5.50	16.183	2.15	22.18	1.44
4.200	1.91	10.200	5.50	16.200	2.15	22.20	1.44
4.217	1.91	10.217	5.50	16.217	2.15	22.22	1.44
4.233	1.91	10.233	5.50	16.233	2.15	22.23	1.44
4.250	1.91	10.250	5.50	16.250	2.15	22.25	1.44
4.267	1.91	10.267	5.50	16.267	2.15	22.27	1.44
4.283	1.91	10.283	5.50	16.283	2.15	22.28	1.44
4.300	1.91	10.300	5.50	16.300	2.15	22.30	1.44
4.317	1.91	10.317	5.50	16.317	2.15	22.32	1.44
4.333	1.91	10.333	5.50	16.333	2.15	22.33	1.44
4.350	1.91	10.350	5.50	16.350	2.15	22.35	1.44
4.367	1.91	10.367	5.50	16.367	2.15	22.37	1.44
4.383	1.91	10.383	5.50	16.383	2.15	22.38	1.44
4.400	1.91	10.400	5.50	16.400	2.15	22.40	1.44
4.417	1.91	10.417	5.50	16.417	2.15	22.42	1.44
4.433	1.91	10.433	5.50	16.433	2.15	22.43	1.44
4.450	1.91	10.450	5.50	16.450	2.15	22.45	1.44
4.467	1.91	10.467	5.50	16.467	2.15	22.47	1.44
4.483	1.91	10.483	5.50	16.483	2.15	22.48	1.44
4.500	1.91	10.500	5.51	16.500	2.15	22.50	1.44
4.517	1.91	10.517	7.42	16.517	2.15	22.52	1.44
4.533	1.91	10.533	7.42	16.533	2.15	22.53	1.44
4.550	1.91	10.550	7.42	16.550	2.15	22.55	1.44
4.567	1.91	10.567	7.42	16.567	2.15	22.57	1.44
4.583	1.91	10.583	7.42	16.583	2.15	22.58	1.44
4.600	1.91	10.600	7.42	16.600	2.15	22.60	1.44
4.617	1.91	10.617	7.42	16.617	2.15	22.62	1.44
4.633	1.91	10.633	7.42	16.633	2.15	22.63	1.44
4.650	1.91	10.650	7.42	16.650	2.15	22.65	1.44
4.667	1.91	10.667	7.42	16.667	2.15	22.67	1.44
4.683	1.91	10.683	7.42	16.683	2.15	22.68	1.44
4.700	1.91	10.700	7.42	16.700	2.15	22.70	1.44
4.717	1.91	10.717	7.42	16.717	2.15	22.72	1.44
4.733	1.91	10.733	7.42	16.733	2.15	22.73	1.44
4.750	1.91	10.750	7.42	16.750	2.15	22.75	1.44
4.767	1.91	10.767	7.42	16.767	2.15	22.77	1.44
4.783	1.91	10.783	7.42	16.783	2.15	22.78	1.44
4.800	1.91	10.800	7.42	16.800	2.15	22.80	1.44
4.817	1.91	10.817	7.42	16.817	2.15	22.82	1.44
4.833	1.91	10.833	7.42	16.833	2.15	22.83	1.44
4.850	1.91	10.850	7.42	16.850	2.15	22.85	1.44
4.867	1.91	10.867	7.42	16.867	2.15	22.87	1.44
4.883	1.91	10.883	7.42	16.883	2.15	22.88	1.44
4.900	1.91	10.900	7.42	16.900	2.15	22.90	1.44
4.917	1.91	10.917	7.42	16.917	2.15	22.92	1.44
4.933	1.91	10.933	7.42	16.933	2.15	22.93	1.44
4.950	1.91	10.950	7.42	16.950	2.15	22.95	1.44
4.967	1.91	10.967	7.42	16.967	2.15	22.97	1.44
4.983	1.91	10.983	7.42	16.983	2.15	22.98	1.44
5.000	1.91	11.000	7.42	17.000	2.15	23.00	1.44
5.017	1.91	11.017	11.49	17.017	2.15	23.02	1.44
5.033	1.91	11.033	11.49	17.033	2.15	23.03	1.44
5.050	1.91	11.050	11.49	17.050	2.15	23.05	1.44
5.067	1.91	11.067	11.49	17.067	2.15	23.07	1.44
5.083	1.91	11.083	11.49	17.083	2.15	23.08	1.44
5.100	1.91	11.100	11.49	17.100	2.15	23.10	1.44
5.117	1.91	11.117	11.49	17.117	2.15	23.12	1.44
5.133	1.91	11.133	11.49	17.133	2.15	23.13	1.44
5.150	1.91	11.150	11.49	17.150	2.15	23.15	1.44
5.167	1.91	11.167	11.49	17.167	2.15	23.17	1.44
5.183	1.91	11.183	11.49	17.183	2.15	23.18	1.44
5.200	1.91	11.200	11.49	17.200	2.15	23.20	1.44
5.217	1.91	11.217	11.49	17.217	2.15	23.22	1.44
5.233	1.91	11.233	11.49	17.233	2.15	23.23	1.44
5.250	1.91	11.250	11.49	17.250	2.15	23.25	1.44
5.267	1.91	11.267	11.49	17.267	2.15	23.27	1.44
5.283	1.91	11.283	11.49	17.283	2.15	23.28	1.44
5.300	1.91	11.300	11.49	17.300	2.15	23.30	1.44
5.317	1.91	11.317	11.49	17.317	2.15	23.32	1.44
5.333	1.91	11.333	11.49	17.333	2.15	23.33	1.44
5.350	1.91	11.350	11.49	17.350	2.15	23.35	1.44
5.367	1.91	11.367	11.49	17.367	2.15	23.37	1.44
5.383	1.91	11.383	11.49	17.383	2.15	23.38	1.44
5.400	1.91	11.400	11.49	17.400	2.15	23.40	1.44
5.417	1.91	11.417	11.49	17.417	2.15	23.42	1.44
5.433	1.91	11.433	11.49	17.433	2.15	23.43	1.44
5.450	1.91	11.450	11.49	17.450	2.15	23.45	1.44
5.467	1.91	11.467	11.49	17.467	2.15	23.47	1.44
5.483	1.91	11.483	11.49	17.483	2.15	23.48	1.44

5.500	1.91	11.500	11.49	17.500	2.15	23.50	1.44
5.517	1.91	11.517	35.41	17.517	2.15	23.52	1.44
5.533	1.91	11.533	35.42	17.533	2.15	23.53	1.44
5.550	1.91	11.550	35.42	17.550	2.15	23.55	1.44
5.567	1.91	11.567	35.42	17.567	2.15	23.57	1.44
5.583	1.91	11.583	35.42	17.583	2.15	23.58	1.44
5.600	1.91	11.600	35.42	17.600	2.15	23.60	1.44
5.617	1.91	11.617	35.42	17.617	2.15	23.62	1.44
5.633	1.91	11.633	35.42	17.633	2.15	23.63	1.44
5.650	1.91	11.650	35.42	17.650	2.15	23.65	1.44
5.667	1.91	11.667	35.42	17.667	2.15	23.67	1.44
5.683	1.91	11.683	35.42	17.683	2.15	23.68	1.44
5.700	1.91	11.700	35.42	17.700	2.15	23.70	1.44
5.717	1.91	11.717	35.42	17.717	2.15	23.72	1.44
5.733	1.91	11.733	35.42	17.733	2.15	23.73	1.44
5.750	1.91	11.750	35.42	17.750	2.15	23.75	1.44
5.767	1.91	11.767	146.40	17.767	2.15	23.77	1.44
5.783	1.91	11.783	146.45	17.783	2.15	23.78	1.44
5.800	1.91	11.800	146.45	17.800	2.15	23.80	1.44
5.817	1.91	11.817	146.45	17.817	2.15	23.82	1.44
5.833	1.91	11.833	146.45	17.833	2.15	23.83	1.44
5.850	1.91	11.850	146.45	17.850	2.15	23.85	1.44
5.867	1.91	11.867	146.45	17.867	2.15	23.87	1.44
5.883	1.91	11.883	146.45	17.883	2.15	23.88	1.44
5.900	1.91	11.900	146.45	17.900	2.15	23.90	1.44
5.917	1.91	11.917	146.45	17.917	2.15	23.92	1.44
5.933	1.91	11.933	146.45	17.933	2.15	23.93	1.44
5.950	1.91	11.950	146.45	17.950	2.15	23.95	1.44
5.967	1.91	11.967	146.45	17.967	2.15	23.97	1.44
5.983	1.91	11.983	146.45	17.983	2.15	23.98	1.44
6.000	1.91	12.000	146.45	18.000	2.15	24.00	1.44

Max.Eff.Inten.(mm/hr)= 146.45 98.05
over (min) 5.00 10.00
Storage Coeff. (min)= 4.23 (ii) 9.74 (ii)
Unit Hyd. Tpeak (min)= 5.00 10.00
Unit Hyd. peak (cms)= 0.25 0.12

PEAK FLOW (cms)= 3.66 1.40 *TOTALS*
TIME TO PEAK (hrs)= 12.00 12.07 4.901 (iii)
RUNOFF VOLUME (mm)= 117.64 49.08 82.00
TOTAL RAINFALL (mm)= 119.65 119.65 119.65
RUNOFF COEFFICIENT = 0.98 0.41 0.69

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)	OVERFLOW IS OFF			
IN= 2---> OUT= 1	OUTFLOW	STORAGE	OUTFLOW	STORAGE
DT= 5.0 min	(cms)	(ha.m.)	(cms)	(ha.m.)
	0.0000	0.0000	0.1330	0.5200
	0.0380	0.2900	0.1650	0.5800
	0.0680	0.3850	0.2000	0.6300
	0.0940	0.4500	0.4800	1.1000
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
INFLOW : ID= 2 (0201)	19.500	4.901	12.00	82.00
OUTFLOW: ID= 1 (0001)	19.500	0.397	12.95	67.70

PEAK FLOW REDUCTION [Qout/Qin](%)= 8.09
TIME SHIFT OF PEAK FLOW (min)= 57.00
MAXIMUM STORAGE USED (ha.m.)= 0.9600

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB	Area	(ha)=	0.21
STANDHYD (0202)	Total Imp(%)=	65.00	Dir. Conn.(%)= 65.00
ID= 1 DT= 1.0 min			
	IMPERVIOUS	PERVIOUS (i)	
Surface Area	(ha)=	0.14	0.07
Dep. Storage	(mm)=	2.00	5.00
Average slope	(%)=	1.00	2.00
Length	(m)=	15.25	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.32	6.017	2.15	12.017	17.32	18.02	2.15
0.033	1.32	6.033	2.15	12.033	17.23	18.03	2.15
0.050	1.32	6.050	2.15	12.050	17.23	18.05	2.15
0.067	1.32	6.067	2.15	12.067	17.23	18.07	2.15
0.083	1.32	6.083	2.15	12.083	17.23	18.08	2.15
0.100	1.32	6.100	2.15	12.100	17.23	18.10	2.15
0.117	1.32	6.117	2.15	12.117	17.23	18.12	2.15
0.133	1.32	6.133	2.15	12.133	17.23	18.13	2.15
0.150	1.32	6.150	2.15	12.150	17.23	18.15	2.15
0.167	1.32	6.167	2.15	12.167	17.23	18.17	2.15
0.183	1.32	6.183	2.15	12.183	17.23	18.18	2.15
0.200	1.32	6.200	2.15	12.200	17.23	18.20	2.15
0.217	1.32	6.217	2.15	12.217	17.23	18.22	2.15
0.233	1.32	6.233	2.15	12.233	17.23	18.23	2.15
0.250	1.32	6.250	2.15	12.250	17.23	18.25	2.15
0.267	1.32	6.267	2.15	12.267	17.23	18.27	2.15
0.283	1.32	6.283	2.15	12.283	17.23	18.28	2.15
0.300	1.32	6.300	2.15	12.300	17.23	18.30	2.15
0.317	1.32	6.317	2.15	12.317	17.23	18.32	2.15
0.333	1.32	6.333	2.15	12.333	17.23	18.33	2.15
0.350	1.32	6.350	2.15	12.350	17.23	18.35	2.15
0.367	1.32	6.367	2.15	12.367	17.23	18.37	2.15
0.383	1.32	6.383	2.15	12.383	17.23	18.38	2.15
0.400	1.32	6.400	2.15	12.400	17.23	18.40	2.15
0.417	1.32	6.417	2.15	12.417	17.23	18.42	2.15
0.433	1.32	6.433	2.15	12.433	17.23	18.43	2.15
0.450	1.32	6.450	2.15	12.450	17.23	18.45	2.15
0.467	1.32	6.467	2.15	12.467	17.23	18.47	2.15
0.483	1.32	6.483	2.15	12.483	17.23	18.48	2.15
0.500	1.32	6.500	2.15	12.500	17.23	18.50	2.15
0.517	1.32	6.517	2.15	12.517	8.86	18.52	2.15
0.533	1.32	6.533	2.15	12.533	8.85	18.53	2.15
0.550	1.32	6.550	2.15	12.550	8.85	18.55	2.15
0.567	1.32	6.567	2.15	12.567	8.85	18.57	2.15
0.583	1.32	6.583	2.15	12.583	8.85	18.58	2.15
0.600	1.32	6.600	2.15	12.600	8.85	18.60	2.15
0.617	1.32	6.617	2.15	12.617	8.85	18.62	2.15
0.633	1.32	6.633	2.15	12.633	8.85	18.63	2.15
0.650	1.32	6.650	2.15	12.650	8.85	18.65	2.15
0.667	1.32	6.667	2.15	12.667	8.85	18.67	2.15
0.683	1.32	6.683	2.15	12.683	8.85	18.68	2.15
0.700	1.32	6.700	2.15	12.700	8.85	18.70	2.15
0.717	1.32	6.717	2.15	12.717	8.85	18.72	2.15
0.733	1.32	6.733	2.15	12.733	8.85	18.73	2.15
0.750	1.32	6.750	2.15	12.750	8.85	18.75	2.15
0.767	1.32	6.767	2.15	12.767	8.85	18.77	2.15
0.783	1.32	6.783	2.15	12.783	8.85	18.78	2.15
0.800	1.32	6.800	2.15	12.800	8.85	18.80	2.15
0.817	1.32	6.817	2.15	12.817	8.85	18.82	2.15
0.833	1.32	6.833	2.15	12.833	8.85	18.83	2.15
0.850	1.32	6.850	2.15	12.850	8.85	18.85	2.15
0.867	1.32	6.867	2.15	12.867	8.85	18.87	2.15
0.883	1.32	6.883	2.15	12.883	8.85	18.88	2.15
0.900	1.32	6.900	2.15	12.900	8.85	18.90	2.15
0.917	1.32	6.917	2.15	12.917	8.85	18.92	2.15
0.933	1.32	6.933	2.15	12.933	8.85	18.93	2.15
0.950	1.32	6.950	2.15	12.950	8.85	18.95	2.15
0.967	1.32	6.967	2.15	12.967	8.85	18.97	2.15
0.983	1.32	6.983	2.15	12.983	8.85	18.98	2.15
1.000	1.32	7.000	2.15	13.000	8.85	19.00	2.15
1.017	1.32	7.017	2.63	13.017	6.46	19.02	2.15
1.033	1.32	7.033	2.63	13.033	6.46	19.03	2.15
1.050	1.32	7.050	2.63	13.050	6.46	19.05	2.15
1.067	1.32	7.067	2.63	13.067	6.46	19.07	2.15
1.083	1.32	7.083	2.63	13.083	6.46	19.08	2.15
1.100	1.32	7.100	2.63	13.100	6.46	19.10	2.15
1.117	1.32	7.117	2.63	13.117	6.46	19.12	2.15
1.133	1.32	7.133	2.63	13.133	6.46	19.13	2.15
1.150	1.32	7.150	2.63	13.150	6.46	19.15	2.15
1.167	1.32	7.167	2.63	13.167	6.46	19.17	2.15
1.183	1.32	7.183	2.63	13.183	6.46	19.18	2.15
1.200	1.32	7.200	2.63	13.200	6.46	19.20	2.15
1.217	1.32	7.217	2.63	13.217	6.46	19.22	2.15
1.233	1.32	7.233	2.63	13.233	6.46	19.23	2.15
1.250	1.32	7.250	2.63	13.250	6.46	19.25	2.15
1.267	1.32	7.267	2.63	13.267	6.46	19.27	2.15
1.283	1.32	7.283	2.63	13.283	6.46	19.28	2.15

1.300	1.32	7.300	2.63	13.300	6.46	19.30	2.15
1.317	1.32	7.317	2.63	13.317	6.46	19.32	2.15
1.333	1.32	7.333	2.63	13.333	6.46	19.33	2.15
1.350	1.32	7.350	2.63	13.350	6.46	19.35	2.15
1.367	1.32	7.367	2.63	13.367	6.46	19.37	2.15
1.383	1.32	7.383	2.63	13.383	6.46	19.38	2.15
1.400	1.32	7.400	2.63	13.400	6.46	19.40	2.15
1.417	1.32	7.417	2.63	13.417	6.46	19.42	2.15
1.433	1.32	7.433	2.63	13.433	6.46	19.43	2.15
1.450	1.32	7.450	2.63	13.450	6.46	19.45	2.15
1.467	1.32	7.467	2.63	13.467	6.46	19.47	2.15
1.483	1.32	7.483	2.63	13.483	6.46	19.48	2.15
1.500	1.32	7.500	2.63	13.500	6.46	19.50	2.15
1.517	1.32	7.517	2.63	13.517	5.03	19.52	2.15
1.533	1.32	7.533	2.63	13.533	5.03	19.53	2.15
1.550	1.32	7.550	2.63	13.550	5.03	19.55	2.15
1.567	1.32	7.567	2.63	13.567	5.03	19.57	2.15
1.583	1.32	7.583	2.63	13.583	5.03	19.58	2.15
1.600	1.32	7.600	2.63	13.600	5.03	19.60	2.15
1.617	1.32	7.617	2.63	13.617	5.03	19.62	2.15
1.633	1.32	7.633	2.63	13.633	5.03	19.63	2.15
1.650	1.32	7.650	2.63	13.650	5.03	19.65	2.15
1.667	1.32	7.667	2.63	13.667	5.03	19.67	2.15
1.683	1.32	7.683	2.63	13.683	5.03	19.68	2.15
1.700	1.32	7.700	2.63	13.700	5.03	19.70	2.15
1.717	1.32	7.717	2.63	13.717	5.03	19.72	2.15
1.733	1.32	7.733	2.63	13.733	5.03	19.73	2.15
1.750	1.32	7.750	2.63	13.750	5.03	19.75	2.15
1.767	1.32	7.767	2.63	13.767	5.03	19.77	2.15
1.783	1.32	7.783	2.63	13.783	5.03	19.78	2.15
1.800	1.32	7.800	2.63	13.800	5.03	19.80	2.15
1.817	1.32	7.817	2.63	13.817	5.03	19.82	2.15
1.833	1.32	7.833	2.63	13.833	5.03	19.83	2.15
1.850	1.32	7.850	2.63	13.850	5.03	19.85	2.15
1.867	1.32	7.867	2.63	13.867	5.03	19.87	2.15
1.883	1.32	7.883	2.63	13.883	5.03	19.88	2.15
1.900	1.32	7.900	2.63	13.900	5.03	19.90	2.15
1.917	1.32	7.917	2.63	13.917	5.03	19.92	2.15
1.933	1.32	7.933	2.63	13.933	5.03	19.93	2.15
1.950	1.32	7.950	2.63	13.950	5.03	19.95	2.15
1.967	1.32	7.967	2.63	13.967	5.03	19.97	2.15
1.983	1.32	7.983	2.63	13.983	5.03	19.98	2.15
2.000	1.32	8.000	2.63	14.000	5.03	20.00	2.15
2.017	1.56	8.017	3.11	14.017	3.59	20.02	1.44
2.033	1.56	8.033	3.11	14.033	3.59	20.03	1.44
2.050	1.56	8.050	3.11	14.050	3.59	20.05	1.44
2.067	1.56	8.067	3.11	14.067	3.59	20.07	1.44
2.083	1.56	8.083	3.11	14.083	3.59	20.08	1.44
2.100	1.56	8.100	3.11	14.100	3.59	20.10	1.44
2.117	1.56	8.117	3.11	14.117	3.59	20.12	1.44
2.133	1.56	8.133	3.11	14.133	3.59	20.13	1.44
2.150	1.56	8.150	3.11	14.150	3.59	20.15	1.44
2.167	1.56	8.167	3.11	14.167	3.59	20.17	1.44
2.183	1.56	8.183	3.11	14.183	3.59	20.18	1.44
2.200	1.56	8.200	3.11	14.200	3.59	20.20	1.44
2.217	1.56	8.217	3.11	14.217	3.59	20.22	1.44
2.233	1.56	8.233	3.11	14.233	3.59	20.23	1.44
2.250	1.56	8.250	3.11	14.250	3.59	20.25	1.44
2.267	1.56	8.267	3.11	14.267	3.59	20.27	1.44
2.283	1.56	8.283	3.11	14.283	3.59	20.28	1.44
2.300	1.56	8.300	3.11	14.300	3.59	20.30	1.44
2.317	1.56	8.317	3.11	14.317	3.59	20.32	1.44
2.333	1.56	8.333	3.11	14.333	3.59	20.33	1.44
2.350	1.56	8.350	3.11	14.350	3.59	20.35	1.44
2.367	1.56	8.367	3.11	14.367	3.59	20.37	1.44
2.383	1.56	8.383	3.11	14.383	3.59	20.38	1.44
2.400	1.56	8.400	3.11	14.400	3.59	20.40	1.44
2.417	1.56	8.417	3.11	14.417	3.59	20.42	1.44
2.433	1.56	8.433	3.11	14.433	3.59	20.43	1.44
2.450	1.56	8.450	3.11	14.450	3.59	20.45	1.44
2.467	1.56	8.467	3.11	14.467	3.59	20.47	1.44
2.483	1.56	8.483	3.11	14.483	3.59	20.48	1.44
2.500	1.56	8.500	3.11	14.500	3.59	20.50	1.44
2.517	1.56	8.517	3.35	14.517	3.59	20.52	1.44
2.533	1.56	8.533	3.35	14.533	3.59	20.53	1.44
2.550	1.56	8.550	3.35	14.550	3.59	20.55	1.44
2.567	1.56	8.567	3.35	14.567	3.59	20.57	1.44
2.583	1.56	8.583	3.35	14.583	3.59	20.58	1.44
2.600	1.56	8.600	3.35	14.600	3.59	20.60	1.44
2.617	1.56	8.617	3.35	14.617	3.59	20.62	1.44
2.633	1.56	8.633	3.35	14.633	3.59	20.63	1.44
2.650	1.56	8.650	3.35	14.650	3.59	20.65	1.44
2.667	1.56	8.667	3.35	14.667	3.59	20.67	1.44
2.683	1.56	8.683	3.35	14.683	3.59	20.68	1.44

2.700	1.56	8.700	3.35	14.700	3.59	20.70	1.44
2.717	1.56	8.717	3.35	14.717	3.59	20.72	1.44
2.733	1.56	8.733	3.35	14.733	3.59	20.73	1.44
2.750	1.56	8.750	3.35	14.750	3.59	20.75	1.44
2.767	1.56	8.767	3.35	14.767	3.59	20.77	1.44
2.783	1.56	8.783	3.35	14.783	3.59	20.78	1.44
2.800	1.56	8.800	3.35	14.800	3.59	20.80	1.44
2.817	1.56	8.817	3.35	14.817	3.59	20.82	1.44
2.833	1.56	8.833	3.35	14.833	3.59	20.83	1.44
2.850	1.56	8.850	3.35	14.850	3.59	20.85	1.44
2.867	1.56	8.867	3.35	14.867	3.59	20.87	1.44
2.883	1.56	8.883	3.35	14.883	3.59	20.88	1.44
2.900	1.56	8.900	3.35	14.900	3.59	20.90	1.44
2.917	1.56	8.917	3.35	14.917	3.59	20.92	1.44
2.933	1.56	8.933	3.35	14.933	3.59	20.93	1.44
2.950	1.56	8.950	3.35	14.950	3.59	20.95	1.44
2.967	1.56	8.967	3.35	14.967	3.59	20.97	1.44
2.983	1.56	8.983	3.35	14.983	3.59	20.98	1.44
3.000	1.56	9.000	3.35	15.000	3.59	21.00	1.44
3.017	1.56	9.017	3.83	15.017	3.59	21.02	1.44
3.033	1.56	9.033	3.83	15.033	3.59	21.03	1.44
3.050	1.56	9.050	3.83	15.050	3.59	21.05	1.44
3.067	1.56	9.067	3.83	15.067	3.59	21.07	1.44
3.083	1.56	9.083	3.83	15.083	3.59	21.08	1.44
3.100	1.56	9.100	3.83	15.100	3.59	21.10	1.44
3.117	1.56	9.117	3.83	15.117	3.59	21.12	1.44
3.133	1.56	9.133	3.83	15.133	3.59	21.13	1.44
3.150	1.56	9.150	3.83	15.150	3.59	21.15	1.44
3.167	1.56	9.167	3.83	15.167	3.59	21.17	1.44
3.183	1.56	9.183	3.83	15.183	3.59	21.18	1.44
3.200	1.56	9.200	3.83	15.200	3.59	21.20	1.44
3.217	1.56	9.217	3.83	15.217	3.59	21.22	1.44
3.233	1.56	9.233	3.83	15.233	3.59	21.23	1.44
3.250	1.56	9.250	3.83	15.250	3.59	21.25	1.44
3.267	1.56	9.267	3.83	15.267	3.59	21.27	1.44
3.283	1.56	9.283	3.83	15.283	3.59	21.28	1.44
3.300	1.56	9.300	3.83	15.300	3.59	21.30	1.44
3.317	1.56	9.317	3.83	15.317	3.59	21.32	1.44
3.333	1.56	9.333	3.83	15.333	3.59	21.33	1.44
3.350	1.56	9.350	3.83	15.350	3.59	21.35	1.44
3.367	1.56	9.367	3.83	15.367	3.59	21.37	1.44
3.383	1.56	9.383	3.83	15.383	3.59	21.38	1.44
3.400	1.56	9.400	3.83	15.400	3.59	21.40	1.44
3.417	1.56	9.417	3.83	15.417	3.59	21.42	1.44
3.433	1.56	9.433	3.83	15.433	3.59	21.43	1.44
3.450	1.56	9.450	3.83	15.450	3.59	21.45	1.44
3.467	1.56	9.467	3.83	15.467	3.59	21.47	1.44
3.483	1.56	9.483	3.83	15.483	3.59	21.48	1.44
3.500	1.56	9.500	3.83	15.500	3.59	21.50	1.44
3.517	1.56	9.517	4.31	15.517	3.59	21.52	1.44
3.533	1.56	9.533	4.31	15.533	3.59	21.53	1.44
3.550	1.56	9.550	4.31	15.550	3.59	21.55	1.44
3.567	1.56	9.567	4.31	15.567	3.59	21.57	1.44
3.583	1.56	9.583	4.31	15.583	3.59	21.58	1.44
3.600	1.56	9.600	4.31	15.600	3.59	21.60	1.44
3.617	1.56	9.617	4.31	15.617	3.59	21.62	1.44
3.633	1.56	9.633	4.31	15.633	3.59	21.63	1.44
3.650	1.56	9.650	4.31	15.650	3.59	21.65	1.44
3.667	1.56	9.667	4.31	15.667	3.59	21.67	1.44
3.683	1.56	9.683	4.31	15.683	3.59	21.68	1.44
3.700	1.56	9.700	4.31	15.700	3.59	21.70	1.44
3.717	1.56	9.717	4.31	15.717	3.59	21.72	1.44
3.733	1.56	9.733	4.31	15.733	3.59	21.73	1.44
3.750	1.56	9.750	4.31	15.750	3.59	21.75	1.44
3.767	1.56	9.767	4.31	15.767	3.59	21.77	1.44
3.783	1.56	9.783	4.31	15.783	3.59	21.78	1.44
3.800	1.56	9.800	4.31	15.800	3.59	21.80	1.44
3.817	1.56	9.817	4.31	15.817	3.59	21.82	1.44
3.833	1.56	9.833	4.31	15.833	3.59	21.83	1.44
3.850	1.56	9.850	4.31	15.850	3.59	21.85	1.44
3.867	1.56	9.867	4.31	15.867	3.59	21.87	1.44
3.883	1.56	9.883	4.31	15.883	3.59	21.88	1.44
3.900	1.56	9.900	4.31	15.900	3.59	21.90	1.44
3.917	1.56	9.917	4.31	15.917	3.59	21.92	1.44
3.933	1.56	9.933	4.31	15.933	3.59	21.93	1.44
3.950	1.56	9.950	4.31	15.950	3.59	21.95	1.44
3.967	1.56	9.967	4.31	15.967	3.59	21.97	1.44
3.983	1.56	9.983	4.31	15.983	3.59	21.98	1.44
4.000	1.56	10.000	4.31	16.000	3.59	22.00	1.44
4.017	1.91	10.017	5.50	16.017	2.16	22.02	1.44
4.033	1.91	10.033	5.50	16.033	2.15	22.03	1.44
4.050	1.91	10.050	5.50	16.050	2.15	22.05	1.44
4.067	1.91	10.067	5.50	16.067	2.15	22.07	1.44
4.083	1.91	10.083	5.50	16.083	2.15	22.08	1.44

4.100	1.91	10.100	5.50	16.100	2.15	22.10	1.44
4.117	1.91	10.117	5.50	16.117	2.15	22.12	1.44
4.133	1.91	10.133	5.50	16.133	2.15	22.13	1.44
4.150	1.91	10.150	5.50	16.150	2.15	22.15	1.44
4.167	1.91	10.167	5.50	16.167	2.15	22.17	1.44
4.183	1.91	10.183	5.50	16.183	2.15	22.18	1.44
4.200	1.91	10.200	5.50	16.200	2.15	22.20	1.44
4.217	1.91	10.217	5.50	16.217	2.15	22.22	1.44
4.233	1.91	10.233	5.50	16.233	2.15	22.23	1.44
4.250	1.91	10.250	5.50	16.250	2.15	22.25	1.44
4.267	1.91	10.267	5.50	16.267	2.15	22.27	1.44
4.283	1.91	10.283	5.50	16.283	2.15	22.28	1.44
4.300	1.91	10.300	5.50	16.300	2.15	22.30	1.44
4.317	1.91	10.317	5.50	16.317	2.15	22.32	1.44
4.333	1.91	10.333	5.50	16.333	2.15	22.33	1.44
4.350	1.91	10.350	5.50	16.350	2.15	22.35	1.44
4.367	1.91	10.367	5.50	16.367	2.15	22.37	1.44
4.383	1.91	10.383	5.50	16.383	2.15	22.38	1.44
4.400	1.91	10.400	5.50	16.400	2.15	22.40	1.44
4.417	1.91	10.417	5.50	16.417	2.15	22.42	1.44
4.433	1.91	10.433	5.50	16.433	2.15	22.43	1.44
4.450	1.91	10.450	5.50	16.450	2.15	22.45	1.44
4.467	1.91	10.467	5.50	16.467	2.15	22.47	1.44
4.483	1.91	10.483	5.50	16.483	2.15	22.48	1.44
4.500	1.91	10.500	5.51	16.500	2.15	22.50	1.44
4.517	1.91	10.517	7.42	16.517	2.15	22.52	1.44
4.533	1.91	10.533	7.42	16.533	2.15	22.53	1.44
4.550	1.91	10.550	7.42	16.550	2.15	22.55	1.44
4.567	1.91	10.567	7.42	16.567	2.15	22.57	1.44
4.583	1.91	10.583	7.42	16.583	2.15	22.58	1.44
4.600	1.91	10.600	7.42	16.600	2.15	22.60	1.44
4.617	1.91	10.617	7.42	16.617	2.15	22.62	1.44
4.633	1.91	10.633	7.42	16.633	2.15	22.63	1.44
4.650	1.91	10.650	7.42	16.650	2.15	22.65	1.44
4.667	1.91	10.667	7.42	16.667	2.15	22.67	1.44
4.683	1.91	10.683	7.42	16.683	2.15	22.68	1.44
4.700	1.91	10.700	7.42	16.700	2.15	22.70	1.44
4.717	1.91	10.717	7.42	16.717	2.15	22.72	1.44
4.733	1.91	10.733	7.42	16.733	2.15	22.73	1.44
4.750	1.91	10.750	7.42	16.750	2.15	22.75	1.44
4.767	1.91	10.767	7.42	16.767	2.15	22.77	1.44
4.783	1.91	10.783	7.42	16.783	2.15	22.78	1.44
4.800	1.91	10.800	7.42	16.800	2.15	22.80	1.44
4.817	1.91	10.817	7.42	16.817	2.15	22.82	1.44
4.833	1.91	10.833	7.42	16.833	2.15	22.83	1.44
4.850	1.91	10.850	7.42	16.850	2.15	22.85	1.44
4.867	1.91	10.867	7.42	16.867	2.15	22.87	1.44
4.883	1.91	10.883	7.42	16.883	2.15	22.88	1.44
4.900	1.91	10.900	7.42	16.900	2.15	22.90	1.44
4.917	1.91	10.917	7.42	16.917	2.15	22.92	1.44
4.933	1.91	10.933	7.42	16.933	2.15	22.93	1.44
4.950	1.91	10.950	7.42	16.950	2.15	22.95	1.44
4.967	1.91	10.967	7.42	16.967	2.15	22.97	1.44
4.983	1.91	10.983	7.42	16.983	2.15	22.98	1.44
5.000	1.91	11.000	7.42	17.000	2.15	23.00	1.44
5.017	1.91	11.017	11.49	17.017	2.15	23.02	1.44
5.033	1.91	11.033	11.49	17.033	2.15	23.03	1.44
5.050	1.91	11.050	11.49	17.050	2.15	23.05	1.44
5.067	1.91	11.067	11.49	17.067	2.15	23.07	1.44
5.083	1.91	11.083	11.49	17.083	2.15	23.08	1.44
5.100	1.91	11.100	11.49	17.100	2.15	23.10	1.44
5.117	1.91	11.117	11.49	17.117	2.15	23.12	1.44
5.133	1.91	11.133	11.49	17.133	2.15	23.13	1.44
5.150	1.91	11.150	11.49	17.150	2.15	23.15	1.44
5.167	1.91	11.167	11.49	17.167	2.15	23.17	1.44
5.183	1.91	11.183	11.49	17.183	2.15	23.18	1.44
5.200	1.91	11.200	11.49	17.200	2.15	23.20	1.44
5.217	1.91	11.217	11.49	17.217	2.15	23.22	1.44
5.233	1.91	11.233	11.49	17.233	2.15	23.23	1.44
5.250	1.91	11.250	11.49	17.250	2.15	23.25	1.44
5.267	1.91	11.267	11.49	17.267	2.15	23.27	1.44
5.283	1.91	11.283	11.49	17.283	2.15	23.28	1.44
5.300	1.91	11.300	11.49	17.300	2.15	23.30	1.44
5.317	1.91	11.317	11.49	17.317	2.15	23.32	1.44
5.333	1.91	11.333	11.49	17.333	2.15	23.33	1.44
5.350	1.91	11.350	11.49	17.350	2.15	23.35	1.44
5.367	1.91	11.367	11.49	17.367	2.15	23.37	1.44
5.383	1.91	11.383	11.49	17.383	2.15	23.38	1.44
5.400	1.91	11.400	11.49	17.400	2.15	23.40	1.44
5.417	1.91	11.417	11.49	17.417	2.15	23.42	1.44
5.433	1.91	11.433	11.49	17.433	2.15	23.43	1.44
5.450	1.91	11.450	11.49	17.450	2.15	23.45	1.44
5.467	1.91	11.467	11.49	17.467	2.15	23.47	1.44
5.483	1.91	11.483	11.49	17.483	2.15	23.48	1.44

5.500	1.91	11.500	11.49	17.500	2.15	23.50	1.44
5.517	1.91	11.517	35.41	17.517	2.15	23.52	1.44
5.533	1.91	11.533	35.42	17.533	2.15	23.53	1.44
5.550	1.91	11.550	35.42	17.550	2.15	23.55	1.44
5.567	1.91	11.567	35.42	17.567	2.15	23.57	1.44
5.583	1.91	11.583	35.42	17.583	2.15	23.58	1.44
5.600	1.91	11.600	35.42	17.600	2.15	23.60	1.44
5.617	1.91	11.617	35.42	17.617	2.15	23.62	1.44
5.633	1.91	11.633	35.42	17.633	2.15	23.63	1.44
5.650	1.91	11.650	35.42	17.650	2.15	23.65	1.44
5.667	1.91	11.667	35.42	17.667	2.15	23.67	1.44
5.683	1.91	11.683	35.42	17.683	2.15	23.68	1.44
5.700	1.91	11.700	35.42	17.700	2.15	23.70	1.44
5.717	1.91	11.717	35.42	17.717	2.15	23.72	1.44
5.733	1.91	11.733	35.42	17.733	2.15	23.73	1.44
5.750	1.91	11.750	35.42	17.750	2.15	23.75	1.44
5.767	1.91	11.767	146.40	17.767	2.15	23.77	1.44
5.783	1.91	11.783	146.45	17.783	2.15	23.78	1.44
5.800	1.91	11.800	146.45	17.800	2.15	23.80	1.44
5.817	1.91	11.817	146.45	17.817	2.15	23.82	1.44
5.833	1.91	11.833	146.45	17.833	2.15	23.83	1.44
5.850	1.91	11.850	146.45	17.850	2.15	23.85	1.44
5.867	1.91	11.867	146.45	17.867	2.15	23.87	1.44
5.883	1.91	11.883	146.45	17.883	2.15	23.88	1.44
5.900	1.91	11.900	146.45	17.900	2.15	23.90	1.44
5.917	1.91	11.917	146.45	17.917	2.15	23.92	1.44
5.933	1.91	11.933	146.45	17.933	2.15	23.93	1.44
5.950	1.91	11.950	146.45	17.950	2.15	23.95	1.44
5.967	1.91	11.967	146.45	17.967	2.15	23.97	1.44
5.983	1.91	11.983	146.45	17.983	2.15	23.98	1.44
6.000	1.91	12.000	146.45	18.000	2.15	24.00	1.44

Max.Eff.Inten.(mm/hr)=	146.45	57.88
over (min)	5.00	6.00
Storage Coeff. (min)=	0.71 (ii)	5.44 (ii)
Unit Hyd. Tpeak (min)=	5.00	6.00
Unit Hyd. peak (cms)=	0.51	0.20

PEAK FLOW (cms)=	0.06	0.01	*TOTALS*
TIME TO PEAK (hrs)=	11.97	12.02	0.066 (iii)
RUNOFF VOLUME (mm)=	117.65	39.71	12.00
TOTAL RAINFALL (mm)=	119.65	119.65	90.36
RUNOFF COEFFICIENT =	0.98	0.33	119.65
			0.76

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)					
1 + 2 = 3					

	AREA	QPEAK	TPEAK	R.V.	
	(ha)	(cms)	(hrs)	(mm)	

ID1= 1 (0001):	19.50	0.397	12.95	67.70
+ ID2= 2 (0202):	0.21	0.066	12.00	90.36
=====				
ID = 3 (0015):	19.71	0.401	12.95	67.94

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:5.0 Chicago 4hr 25mm **

READ STORM		Filename: C:\Users\rbrockie\AppData
		ata\Local\Temp\
		ed83f902-4e45-4db2-9ca8-5e0aafcc3a4b\dcd3868a
Ptotal= 25.00 mm		Comments: 25MM4HR

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	2.07	1.00	5.70	2.00	5.19	3.00	2.80
0.17	2.27	1.17	10.78	2.17	4.47	3.17	2.62
0.33	2.52	1.33	50.21	2.33	3.95	3.33	2.48
0.50	2.88	1.50	13.37	2.50	3.56	3.50	2.35
0.67	3.38	1.67	8.29	2.67	3.25	3.67	2.23
0.83	4.18	1.83	6.30	2.83	3.01	3.83	2.14

CALIB
STANDHYD (0201)
ID= 1 DT= 1.0 min

Area (ha)= 19.50
Total Imp(%)= 62.00 Dir. Conn.(%)= 48.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	12.09	7.41
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	298.34	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	2.07	1.017	5.70	2.017	5.19	3.02	2.80
0.033	2.07	1.033	5.70	2.033	5.19	3.03	2.80
0.050	2.07	1.050	5.70	2.050	5.19	3.05	2.80
0.067	2.07	1.067	5.70	2.067	5.19	3.07	2.80
0.083	2.07	1.083	5.70	2.083	5.19	3.08	2.80
0.100	2.07	1.100	5.70	2.100	5.19	3.10	2.80
0.117	2.07	1.117	5.70	2.117	5.19	3.12	2.80
0.133	2.07	1.133	5.70	2.133	5.19	3.13	2.80
0.150	2.07	1.150	5.70	2.150	5.19	3.15	2.80
0.167	2.07	1.167	5.70	2.167	5.19	3.17	2.80
0.183	2.27	1.183	10.78	2.183	4.47	3.18	2.62
0.200	2.27	1.200	10.78	2.200	4.47	3.20	2.62
0.217	2.27	1.217	10.78	2.217	4.47	3.22	2.62
0.233	2.27	1.233	10.78	2.233	4.47	3.23	2.62
0.250	2.27	1.250	10.78	2.250	4.47	3.25	2.62
0.267	2.27	1.267	10.78	2.267	4.47	3.27	2.62
0.283	2.27	1.283	10.78	2.283	4.47	3.28	2.62
0.300	2.27	1.300	10.78	2.300	4.47	3.30	2.62
0.317	2.27	1.317	10.78	2.317	4.47	3.32	2.62
0.333	2.27	1.333	10.78	2.333	4.47	3.33	2.62
0.350	2.52	1.350	50.21	2.350	3.95	3.35	2.48
0.367	2.52	1.367	50.21	2.367	3.95	3.37	2.48
0.383	2.52	1.383	50.21	2.383	3.95	3.38	2.48
0.400	2.52	1.400	50.21	2.400	3.95	3.40	2.48
0.417	2.52	1.417	50.21	2.417	3.95	3.42	2.48
0.433	2.52	1.433	50.21	2.433	3.95	3.43	2.48
0.450	2.52	1.450	50.21	2.450	3.95	3.45	2.48
0.467	2.52	1.467	50.21	2.467	3.95	3.47	2.48
0.483	2.52	1.483	50.21	2.483	3.95	3.48	2.48
0.500	2.52	1.500	50.21	2.500	3.95	3.50	2.48
0.517	2.88	1.517	13.37	2.517	3.56	3.52	2.35
0.533	2.88	1.533	13.37	2.533	3.56	3.53	2.35
0.550	2.88	1.550	13.37	2.550	3.56	3.55	2.35
0.567	2.88	1.567	13.37	2.567	3.56	3.57	2.35
0.583	2.88	1.583	13.37	2.583	3.56	3.58	2.35
0.600	2.88	1.600	13.37	2.600	3.56	3.60	2.35
0.617	2.88	1.617	13.37	2.617	3.56	3.62	2.35
0.633	2.88	1.633	13.37	2.633	3.56	3.63	2.35
0.650	2.88	1.650	13.37	2.650	3.56	3.65	2.35
0.667	2.88	1.667	13.37	2.667	3.56	3.67	2.35
0.683	3.38	1.683	8.29	2.683	3.25	3.68	2.23
0.700	3.38	1.700	8.29	2.700	3.25	3.70	2.23
0.717	3.38	1.717	8.29	2.717	3.25	3.72	2.23
0.733	3.38	1.733	8.29	2.733	3.25	3.73	2.23
0.750	3.38	1.750	8.29	2.750	3.25	3.75	2.23
0.767	3.38	1.767	8.29	2.767	3.25	3.77	2.23
0.783	3.38	1.783	8.29	2.783	3.25	3.78	2.23
0.800	3.38	1.800	8.29	2.800	3.25	3.80	2.23
0.817	3.38	1.817	8.29	2.817	3.25	3.82	2.23
0.833	3.38	1.833	8.29	2.833	3.25	3.83	2.23
0.850	4.18	1.850	6.30	2.850	3.01	3.85	2.14
0.867	4.18	1.867	6.30	2.867	3.01	3.87	2.14
0.883	4.18	1.883	6.30	2.883	3.01	3.88	2.14
0.900	4.18	1.900	6.30	2.900	3.01	3.90	2.14
0.917	4.18	1.917	6.30	2.917	3.01	3.92	2.14
0.933	4.18	1.933	6.30	2.933	3.01	3.93	2.14
0.950	4.18	1.950	6.30	2.950	3.01	3.95	2.14
0.967	4.18	1.967	6.30	2.967	3.01	3.97	2.14
0.983	4.18	1.983	6.30	2.983	3.01	3.98	2.14
1.000	4.18	2.000	6.30	3.000	3.01	4.00	2.14

Max.Eff.Inten.(mm/hr)= 50.21 5.03
over (min) 6.00 15.00
Storage Coeff. (min)= 6.48 (ii) 14.95 (ii)

Unit Hyd. Tpeak (min)=	6.00	15.00	
Unit Hyd. peak (cms)=	0.18	0.08	
			TOTALS
PEAK FLOW (cms)=	0.99	0.05	1.012 (iii)
TIME TO PEAK (hrs)=	1.53	1.73	1.53
RUNOFF VOLUME (mm)=	23.00	2.54	12.36
TOTAL RAINFALL (mm)=	25.00	25.00	25.00
RUNOFF COEFFICIENT =	0.92	0.10	0.49

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

RESERVOIR(0001)		OVERFLOW IS OFF			
IN= 2---> OUT= 1					
DT= 5.0 min					
		OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
		0.0000	0.0000	0.1330	0.5200
		0.0380	0.2900	0.1650	0.5800
		0.0680	0.3850	0.2000	0.6300
		0.0940	0.4500	0.4800	1.1000
		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0201)		19.500	1.012	1.53	12.36
OUTFLOW: ID= 1 (0001)		19.500	0.028	4.18	9.53
		PEAK FLOW REDUCTION [Qout/Qin](%)= 2.80			
		TIME SHIFT OF PEAK FLOW (min)=159.00			
		MAXIMUM STORAGE USED (ha.m.)= 0.2163			

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

CALIB					
STANDHYD (0202)					
ID= 1 DT= 1.0 min					
		Area (ha)=	0.21		
		Total Imp(%)=	65.00	Dir. Conn.(%)=	65.00
		IMPERVIOUS	PERVIOUS (i)		
Surface Area (ha)=		0.14	0.07		
Dep. Storage (mm)=		2.00	5.00		
Average slope (%)=		1.00	2.00		
Length (m)=		15.25	40.00		
Mannings n =		0.013	0.250		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	2.07	1.017	5.70	2.017	5.19	3.02	2.80
0.033	2.07	1.033	5.70	2.033	5.19	3.03	2.80
0.050	2.07	1.050	5.70	2.050	5.19	3.05	2.80
0.067	2.07	1.067	5.70	2.067	5.19	3.07	2.80
0.083	2.07	1.083	5.70	2.083	5.19	3.08	2.80
0.100	2.07	1.100	5.70	2.100	5.19	3.10	2.80
0.117	2.07	1.117	5.70	2.117	5.19	3.12	2.80
0.133	2.07	1.133	5.70	2.133	5.19	3.13	2.80
0.150	2.07	1.150	5.70	2.150	5.19	3.15	2.80
0.167	2.07	1.167	5.70	2.167	5.19	3.17	2.80
0.183	2.27	1.183	10.78	2.183	4.47	3.18	2.62
0.200	2.27	1.200	10.78	2.200	4.47	3.20	2.62
0.217	2.27	1.217	10.78	2.217	4.47	3.22	2.62
0.233	2.27	1.233	10.78	2.233	4.47	3.23	2.62
0.250	2.27	1.250	10.78	2.250	4.47	3.25	2.62
0.267	2.27	1.267	10.78	2.267	4.47	3.27	2.62
0.283	2.27	1.283	10.78	2.283	4.47	3.28	2.62
0.300	2.27	1.300	10.78	2.300	4.47	3.30	2.62
0.317	2.27	1.317	10.78	2.317	4.47	3.32	2.62
0.333	2.27	1.333	10.78	2.333	4.47	3.33	2.62
0.350	2.52	1.350	50.21	2.350	3.95	3.35	2.48
0.367	2.52	1.367	50.21	2.367	3.95	3.37	2.48
0.383	2.52	1.383	50.21	2.383	3.95	3.38	2.48
0.400	2.52	1.400	50.21	2.400	3.95	3.40	2.48
0.417	2.52	1.417	50.21	2.417	3.95	3.42	2.48
0.433	2.52	1.433	50.21	2.433	3.95	3.43	2.48
0.450	2.52	1.450	50.21	2.450	3.95	3.45	2.48
0.467	2.52	1.467	50.21	2.467	3.95	3.47	2.48

0.483	2.52	1.483	50.21	2.483	3.95	3.48	2.48
0.500	2.52	1.500	50.21	2.500	3.95	3.50	2.48
0.517	2.88	1.517	13.37	2.517	3.56	3.52	2.35
0.533	2.88	1.533	13.37	2.533	3.56	3.53	2.35
0.550	2.88	1.550	13.37	2.550	3.56	3.55	2.35
0.567	2.88	1.567	13.37	2.567	3.56	3.57	2.35
0.583	2.88	1.583	13.37	2.583	3.56	3.58	2.35
0.600	2.88	1.600	13.37	2.600	3.56	3.60	2.35
0.617	2.88	1.617	13.37	2.617	3.56	3.62	2.35
0.633	2.88	1.633	13.37	2.633	3.56	3.63	2.35
0.650	2.88	1.650	13.37	2.650	3.56	3.65	2.35
0.667	2.88	1.667	13.37	2.667	3.56	3.67	2.35
0.683	3.38	1.683	8.29	2.683	3.25	3.68	2.23
0.700	3.38	1.700	8.29	2.700	3.25	3.70	2.23
0.717	3.38	1.717	8.29	2.717	3.25	3.72	2.23
0.733	3.38	1.733	8.29	2.733	3.25	3.73	2.23
0.750	3.38	1.750	8.29	2.750	3.25	3.75	2.23
0.767	3.38	1.767	8.29	2.767	3.25	3.77	2.23
0.783	3.38	1.783	8.29	2.783	3.25	3.78	2.23
0.800	3.38	1.800	8.29	2.800	3.25	3.80	2.23
0.817	3.38	1.817	8.29	2.817	3.25	3.82	2.23
0.833	3.38	1.833	8.29	2.833	3.25	3.83	2.23
0.850	4.18	1.850	6.30	2.850	3.01	3.85	2.14
0.867	4.18	1.867	6.30	2.867	3.01	3.87	2.14
0.883	4.18	1.883	6.30	2.883	3.01	3.88	2.14
0.900	4.18	1.900	6.30	2.900	3.01	3.90	2.14
0.917	4.18	1.917	6.30	2.917	3.01	3.92	2.14
0.933	4.18	1.933	6.30	2.933	3.01	3.93	2.14
0.950	4.18	1.950	6.30	2.950	3.01	3.95	2.14
0.967	4.18	1.967	6.30	2.967	3.01	3.97	2.14
0.983	4.18	1.983	6.30	2.983	3.01	3.98	2.14
1.000	4.18	2.000	6.30	3.000	3.01	4.00	2.14

Max.Eff.Inten.(mm/hr)=	50.21	2.22	
over (min)	5.00	9.00	
Storage Coeff. (min)=	1.09 (ii)	8.35 (ii)	
Unit Hyd. Tpeak (min)=	5.00	9.00	
Unit Hyd. peak (cms)=	0.46	0.13	
			TOTALS
PEAK FLOW (cms)=	0.02	0.00	0.019 (iii)
TIME TO PEAK (hrs)=	1.50	1.62	1.50
RUNOFF VOLUME (mm)=	23.00	1.69	15.53
TOTAL RAINFALL (mm)=	25.00	25.00	25.00
RUNOFF COEFFICIENT =	0.92	0.07	0.62

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0015)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0001):	19.50	0.028	4.18	9.53
+ ID2= 2 (0202):	0.21	0.019	1.50	15.53
=====				
ID = 3 (0015):	19.71	0.029	4.00	9.59

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:1.1 Chicago 4hr 2yr **

Proposed Conditions VO Outputs - East Lake

CALIB			
NASHYD (0087)	Area (ha)= 15.86	Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	3.22	1.017	51.89	2.017	4.86	3.02	3.08
0.033	3.22	1.033	51.89	2.033	4.86	3.03	3.08
0.050	3.22	1.050	51.89	2.050	4.86	3.05	3.08
0.067	3.22	1.067	51.89	2.067	4.86	3.07	3.08
0.083	3.22	1.083	51.89	2.083	4.86	3.08	3.08
0.100	3.22	1.100	51.89	2.100	4.86	3.10	3.08
0.117	3.22	1.117	51.89	2.117	4.86	3.12	3.08
0.133	3.22	1.133	51.89	2.133	4.86	3.13	3.08
0.150	3.22	1.150	51.89	2.150	4.86	3.15	3.08
0.167	3.22	1.167	51.89	2.167	4.86	3.17	3.08
0.183	3.22	1.183	51.89	2.183	4.86	3.18	3.08
0.200	3.22	1.200	51.89	2.200	4.86	3.20	3.08
0.217	3.22	1.217	51.89	2.217	4.86	3.22	3.08
0.233	3.22	1.233	51.89	2.233	4.86	3.23	3.08
0.250	3.22	1.250	51.89	2.250	4.86	3.25	3.08
0.267	3.96	1.267	11.92	2.267	4.20	3.27	2.84
0.283	3.96	1.283	11.92	2.283	4.20	3.28	2.84
0.300	3.96	1.300	11.92	2.300	4.20	3.30	2.84
0.317	3.96	1.317	11.92	2.317	4.20	3.32	2.84
0.333	3.96	1.333	11.92	2.333	4.20	3.33	2.84
0.350	3.96	1.350	11.92	2.350	4.20	3.35	2.84
0.367	3.96	1.367	11.92	2.367	4.20	3.37	2.84
0.383	3.96	1.383	11.92	2.383	4.20	3.38	2.84
0.400	3.96	1.400	11.92	2.400	4.20	3.40	2.84
0.417	3.96	1.417	11.92	2.417	4.20	3.42	2.84
0.433	3.96	1.433	11.92	2.433	4.20	3.43	2.84
0.450	3.96	1.450	11.92	2.450	4.20	3.45	2.84
0.467	3.96	1.467	11.92	2.467	4.20	3.47	2.84
0.483	3.96	1.483	11.92	2.483	4.20	3.48	2.84
0.500	3.96	1.500	11.92	2.500	4.20	3.50	2.84
0.517	5.36	1.517	7.63	2.517	3.72	3.52	2.65
0.533	5.36	1.533	7.63	2.533	3.72	3.53	2.65
0.550	5.36	1.550	7.63	2.550	3.72	3.55	2.65
0.567	5.36	1.567	7.63	2.567	3.72	3.57	2.65
0.583	5.36	1.583	7.63	2.583	3.72	3.58	2.65
0.600	5.36	1.600	7.63	2.600	3.72	3.60	2.65
0.617	5.36	1.617	7.63	2.617	3.72	3.62	2.65
0.633	5.36	1.633	7.63	2.633	3.72	3.63	2.65
0.650	5.36	1.650	7.63	2.650	3.72	3.65	2.65
0.667	5.36	1.667	7.63	2.667	3.72	3.67	2.65
0.683	5.36	1.683	7.63	2.683	3.72	3.68	2.65
0.700	5.36	1.700	7.63	2.700	3.72	3.70	2.65
0.717	5.36	1.717	7.63	2.717	3.72	3.72	2.65
0.733	5.36	1.733	7.63	2.733	3.72	3.73	2.65
0.750	5.36	1.750	7.63	2.750	3.72	3.75	2.65
0.767	9.77	1.767	5.87	2.767	3.36	3.77	2.49
0.783	9.77	1.783	5.87	2.783	3.36	3.78	2.49
0.800	9.77	1.800	5.87	2.800	3.36	3.80	2.49
0.817	9.77	1.817	5.87	2.817	3.36	3.82	2.49
0.833	9.77	1.833	5.87	2.833	3.36	3.83	2.49
0.850	9.77	1.850	5.87	2.850	3.36	3.85	2.49
0.867	9.77	1.867	5.87	2.867	3.36	3.87	2.49
0.883	9.77	1.883	5.87	2.883	3.36	3.88	2.49
0.900	9.77	1.900	5.87	2.900	3.36	3.90	2.49
0.917	9.77	1.917	5.87	2.917	3.36	3.92	2.49
0.933	9.77	1.933	5.87	2.933	3.36	3.93	2.49
0.950	9.77	1.950	5.87	2.950	3.36	3.95	2.49
0.967	9.77	1.967	5.87	2.967	3.36	3.97	2.49
0.983	9.77	1.983	5.87	2.983	3.36	3.98	2.49
1.000	9.77	2.000	5.87	3.000	3.36	4.00	2.49

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.095 (i)
 TIME TO PEAK (hrs)= 1.750
 RUNOFF VOLUME (mm)= 4.018
 TOTAL RAINFALL (mm)= 31.702
 RUNOFF COEFFICIENT = 0.127

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	3.22	1.017	51.89	2.017	4.86	3.02	3.08
0.033	3.22	1.033	51.89	2.033	4.86	3.03	3.08
0.050	3.22	1.050	51.89	2.050	4.86	3.05	3.08
0.067	3.22	1.067	51.89	2.067	4.86	3.07	3.08
0.083	3.22	1.083	51.89	2.083	4.86	3.08	3.08
0.100	3.22	1.100	51.89	2.100	4.86	3.10	3.08
0.117	3.22	1.117	51.89	2.117	4.86	3.12	3.08
0.133	3.22	1.133	51.89	2.133	4.86	3.13	3.08
0.150	3.22	1.150	51.89	2.150	4.86	3.15	3.08
0.167	3.22	1.167	51.89	2.167	4.86	3.17	3.08
0.183	3.22	1.183	51.89	2.183	4.86	3.18	3.08
0.200	3.22	1.200	51.89	2.200	4.86	3.20	3.08
0.217	3.22	1.217	51.89	2.217	4.86	3.22	3.08
0.233	3.22	1.233	51.89	2.233	4.86	3.23	3.08
0.250	3.22	1.250	51.89	2.250	4.86	3.25	3.08
0.267	3.96	1.267	11.92	2.267	4.20	3.27	2.84
0.283	3.96	1.283	11.92	2.283	4.20	3.28	2.84
0.300	3.96	1.300	11.92	2.300	4.20	3.30	2.84
0.317	3.96	1.317	11.92	2.317	4.20	3.32	2.84
0.333	3.96	1.333	11.92	2.333	4.20	3.33	2.84
0.350	3.96	1.350	11.92	2.350	4.20	3.35	2.84
0.367	3.96	1.367	11.92	2.367	4.20	3.37	2.84
0.383	3.96	1.383	11.92	2.383	4.20	3.38	2.84
0.400	3.96	1.400	11.92	2.400	4.20	3.40	2.84
0.417	3.96	1.417	11.92	2.417	4.20	3.42	2.84
0.433	3.96	1.433	11.92	2.433	4.20	3.43	2.84
0.450	3.96	1.450	11.92	2.450	4.20	3.45	2.84
0.467	3.96	1.467	11.92	2.467	4.20	3.47	2.84
0.483	3.96	1.483	11.92	2.483	4.20	3.48	2.84
0.500	3.96	1.500	11.92	2.500	4.20	3.50	2.84
0.517	5.36	1.517	7.63	2.517	3.72	3.52	2.65
0.533	5.36	1.533	7.63	2.533	3.72	3.53	2.65
0.550	5.36	1.550	7.63	2.550	3.72	3.55	2.65
0.567	5.36	1.567	7.63	2.567	3.72	3.57	2.65
0.583	5.36	1.583	7.63	2.583	3.72	3.58	2.65
0.600	5.36	1.600	7.63	2.600	3.72	3.60	2.65
0.617	5.36	1.617	7.63	2.617	3.72	3.62	2.65
0.633	5.36	1.633	7.63	2.633	3.72	3.63	2.65
0.650	5.36	1.650	7.63	2.650	3.72	3.65	2.65
0.667	5.36	1.667	7.63	2.667	3.72	3.67	2.65
0.683	5.36	1.683	7.63	2.683	3.72	3.68	2.65
0.700	5.36	1.700	7.63	2.700	3.72	3.70	2.65
0.717	5.36	1.717	7.63	2.717	3.72	3.72	2.65
0.733	5.36	1.733	7.63	2.733	3.72	3.73	2.65
0.750	5.36	1.750	7.63	2.750	3.72	3.75	2.65
0.767	9.77	1.767	5.87	2.767	3.36	3.77	2.49
0.783	9.77	1.783	5.87	2.783	3.36	3.78	2.49
0.800	9.77	1.800	5.87	2.800	3.36	3.80	2.49
0.817	9.77	1.817	5.87	2.817	3.36	3.82	2.49
0.833	9.77	1.833	5.87	2.833	3.36	3.83	2.49
0.850	9.77	1.850	5.87	2.850	3.36	3.85	2.49
0.867	9.77	1.867	5.87	2.867	3.36	3.87	2.49
0.883	9.77	1.883	5.87	2.883	3.36	3.88	2.49
0.900	9.77	1.900	5.87	2.900	3.36	3.90	2.49
0.917	9.77	1.917	5.87	2.917	3.36	3.92	2.49
0.933	9.77	1.933	5.87	2.933	3.36	3.93	2.49
0.950	9.77	1.950	5.87	2.950	3.36	3.95	2.49
0.967	9.77	1.967	5.87	2.967	3.36	3.97	2.49
0.983	9.77	1.983	5.87	2.983	3.36	3.98	2.49
1.000	9.77	2.000	5.87	3.000	3.36	4.00	2.49

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.039 (i)
TIME TO PEAK (hrs)= 2.000
RUNOFF VOLUME (mm)= 2.290
TOTAL RAINFALL (mm)= 31.702
RUNOFF COEFFICIENT = 0.072

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0204)
ID= 1 DT= 1.0 min

Area (ha)= 0.96
Total Imp(%)= 68.00 Dir. Conn.(%)= 47.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.65	0.31
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	3.22	1.017	51.89	2.017	4.86	3.02	3.08
0.033	3.22	1.033	51.89	2.033	4.86	3.03	3.08
0.050	3.22	1.050	51.89	2.050	4.86	3.05	3.08
0.067	3.22	1.067	51.89	2.067	4.86	3.07	3.08
0.083	3.22	1.083	51.89	2.083	4.86	3.08	3.08
0.100	3.22	1.100	51.89	2.100	4.86	3.10	3.08
0.117	3.22	1.117	51.89	2.117	4.86	3.12	3.08
0.133	3.22	1.133	51.89	2.133	4.86	3.13	3.08
0.150	3.22	1.150	51.89	2.150	4.86	3.15	3.08
0.167	3.22	1.167	51.89	2.167	4.86	3.17	3.08
0.183	3.22	1.183	51.89	2.183	4.86	3.18	3.08
0.200	3.22	1.200	51.89	2.200	4.86	3.20	3.08
0.217	3.22	1.217	51.89	2.217	4.86	3.22	3.08
0.233	3.22	1.233	51.89	2.233	4.86	3.23	3.08
0.250	3.22	1.250	51.89	2.250	4.86	3.25	3.08
0.267	3.96	1.267	11.92	2.267	4.20	3.27	2.84
0.283	3.96	1.283	11.92	2.283	4.20	3.28	2.84
0.300	3.96	1.300	11.92	2.300	4.20	3.30	2.84
0.317	3.96	1.317	11.92	2.317	4.20	3.32	2.84
0.333	3.96	1.333	11.92	2.333	4.20	3.33	2.84
0.350	3.96	1.350	11.92	2.350	4.20	3.35	2.84
0.367	3.96	1.367	11.92	2.367	4.20	3.37	2.84
0.383	3.96	1.383	11.92	2.383	4.20	3.38	2.84
0.400	3.96	1.400	11.92	2.400	4.20	3.40	2.84
0.417	3.96	1.417	11.92	2.417	4.20	3.42	2.84
0.433	3.96	1.433	11.92	2.433	4.20	3.43	2.84
0.450	3.96	1.450	11.92	2.450	4.20	3.45	2.84
0.467	3.96	1.467	11.92	2.467	4.20	3.47	2.84
0.483	3.96	1.483	11.92	2.483	4.20	3.48	2.84
0.500	3.96	1.500	11.92	2.500	4.20	3.50	2.84
0.517	5.36	1.517	7.63	2.517	3.72	3.52	2.65
0.533	5.36	1.533	7.63	2.533	3.72	3.53	2.65
0.550	5.36	1.550	7.63	2.550	3.72	3.55	2.65
0.567	5.36	1.567	7.63	2.567	3.72	3.57	2.65
0.583	5.36	1.583	7.63	2.583	3.72	3.58	2.65
0.600	5.36	1.600	7.63	2.600	3.72	3.60	2.65
0.617	5.36	1.617	7.63	2.617	3.72	3.62	2.65
0.633	5.36	1.633	7.63	2.633	3.72	3.63	2.65
0.650	5.36	1.650	7.63	2.650	3.72	3.65	2.65
0.667	5.36	1.667	7.63	2.667	3.72	3.67	2.65
0.683	5.36	1.683	7.63	2.683	3.72	3.68	2.65
0.700	5.36	1.700	7.63	2.700	3.72	3.70	2.65
0.717	5.36	1.717	7.63	2.717	3.72	3.72	2.65
0.733	5.36	1.733	7.63	2.733	3.72	3.73	2.65
0.750	5.36	1.750	7.63	2.750	3.72	3.75	2.65
0.767	9.77	1.767	5.87	2.767	3.36	3.77	2.49
0.783	9.77	1.783	5.87	2.783	3.36	3.78	2.49
0.800	9.77	1.800	5.87	2.800	3.36	3.80	2.49
0.817	9.77	1.817	5.87	2.817	3.36	3.82	2.49
0.833	9.77	1.833	5.87	2.833	3.36	3.83	2.49
0.850	9.77	1.850	5.87	2.850	3.36	3.85	2.49
0.867	9.77	1.867	5.87	2.867	3.36	3.87	2.49
0.883	9.77	1.883	5.87	2.883	3.36	3.88	2.49
0.900	9.77	1.900	5.87	2.900	3.36	3.90	2.49
0.917	9.77	1.917	5.87	2.917	3.36	3.92	2.49
0.933	9.77	1.933	5.87	2.933	3.36	3.93	2.49
0.950	9.77	1.950	5.87	2.950	3.36	3.95	2.49
0.967	9.77	1.967	5.87	2.967	3.36	3.97	2.49
0.983	9.77	1.983	5.87	2.983	3.36	3.98	2.49
1.000	9.77	2.000	5.87	3.000	3.36	4.00	2.49

Max.Eff.Inten.(mm/hr)=	51.89	12.97
over (min)	6.00	14.00

Storage Coeff. (min)=	5.99 (ii)	13.86 (ii)	
Unit Hyd. Tpeak (min)=	6.00	14.00	
Unit Hyd. peak (cms)=	0.19	0.08	
			TOTALS
PEAK FLOW (cms)=	0.06	0.01	0.061 (iii)
TIME TO PEAK (hrs)=	1.27	1.43	1.27
RUNOFF VOLUME (mm)=	29.70	5.16	16.69
TOTAL RAINFALL (mm)=	31.70	31.70	31.70
RUNOFF COEFFICIENT =	0.94	0.16	0.53

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3				
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0204):	0.96	0.061	1.27	16.69
+ ID2= 2 (0205):	14.50	0.039	2.00	2.29
=====				
ID = 3 (0017):	15.46	0.065	1.28	3.18

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1				
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 3 (0017):	15.46	0.065	1.28	3.18
+ ID2= 2 (0087):	15.86	0.095	1.75	4.02
=====				
ID = 1 (0017):	31.32	0.145	1.77	3.61

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB STANDHYD (0012)	Area (ha)= 1.18	
ID= 1 DT= 1.0 min	Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	4.60
Average Slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	3.22	1.017	51.89	2.017	4.86	3.02	3.08
0.033	3.22	1.033	51.89	2.033	4.86	3.03	3.08
0.050	3.22	1.050	51.89	2.050	4.86	3.05	3.08
0.067	3.22	1.067	51.89	2.067	4.86	3.07	3.08
0.083	3.22	1.083	51.89	2.083	4.86	3.08	3.08
0.100	3.22	1.100	51.89	2.100	4.86	3.10	3.08
0.117	3.22	1.117	51.89	2.117	4.86	3.12	3.08
0.133	3.22	1.133	51.89	2.133	4.86	3.13	3.08
0.150	3.22	1.150	51.89	2.150	4.86	3.15	3.08
0.167	3.22	1.167	51.89	2.167	4.86	3.17	3.08
0.183	3.22	1.183	51.89	2.183	4.86	3.18	3.08
0.200	3.22	1.200	51.89	2.200	4.86	3.20	3.08
0.217	3.22	1.217	51.89	2.217	4.86	3.22	3.08
0.233	3.22	1.233	51.89	2.233	4.86	3.23	3.08
0.250	3.22	1.250	51.89	2.250	4.86	3.25	3.08
0.267	3.96	1.267	11.92	2.267	4.20	3.27	2.84
0.283	3.96	1.283	11.92	2.283	4.20	3.28	2.84
0.300	3.96	1.300	11.92	2.300	4.20	3.30	2.84
0.317	3.96	1.317	11.92	2.317	4.20	3.32	2.84
0.333	3.96	1.333	11.92	2.333	4.20	3.33	2.84
0.350	3.96	1.350	11.92	2.350	4.20	3.35	2.84
0.367	3.96	1.367	11.92	2.367	4.20	3.37	2.84
0.383	3.96	1.383	11.92	2.383	4.20	3.38	2.84
0.400	3.96	1.400	11.92	2.400	4.20	3.40	2.84

0.417	3.96	1.417	11.92	2.417	4.20	3.42	2.84
0.433	3.96	1.433	11.92	2.433	4.20	3.43	2.84
0.450	3.96	1.450	11.92	2.450	4.20	3.45	2.84
0.467	3.96	1.467	11.92	2.467	4.20	3.47	2.84
0.483	3.96	1.483	11.92	2.483	4.20	3.48	2.84
0.500	3.96	1.500	11.92	2.500	4.20	3.50	2.84
0.517	5.36	1.517	7.63	2.517	3.72	3.52	2.65
0.533	5.36	1.533	7.63	2.533	3.72	3.53	2.65
0.550	5.36	1.550	7.63	2.550	3.72	3.55	2.65
0.567	5.36	1.567	7.63	2.567	3.72	3.57	2.65
0.583	5.36	1.583	7.63	2.583	3.72	3.58	2.65
0.600	5.36	1.600	7.63	2.600	3.72	3.60	2.65
0.617	5.36	1.617	7.63	2.617	3.72	3.62	2.65
0.633	5.36	1.633	7.63	2.633	3.72	3.63	2.65
0.650	5.36	1.650	7.63	2.650	3.72	3.65	2.65
0.667	5.36	1.667	7.63	2.667	3.72	3.67	2.65
0.683	5.36	1.683	7.63	2.683	3.72	3.68	2.65
0.700	5.36	1.700	7.63	2.700	3.72	3.70	2.65
0.717	5.36	1.717	7.63	2.717	3.72	3.72	2.65
0.733	5.36	1.733	7.63	2.733	3.72	3.73	2.65
0.750	5.36	1.750	7.63	2.750	3.72	3.75	2.65
0.767	9.77	1.767	5.87	2.767	3.36	3.77	2.49
0.783	9.77	1.783	5.87	2.783	3.36	3.78	2.49
0.800	9.77	1.800	5.87	2.800	3.36	3.80	2.49
0.817	9.77	1.817	5.87	2.817	3.36	3.82	2.49
0.833	9.77	1.833	5.87	2.833	3.36	3.83	2.49
0.850	9.77	1.850	5.87	2.850	3.36	3.85	2.49
0.867	9.77	1.867	5.87	2.867	3.36	3.87	2.49
0.883	9.77	1.883	5.87	2.883	3.36	3.88	2.49
0.900	9.77	1.900	5.87	2.900	3.36	3.90	2.49
0.917	9.77	1.917	5.87	2.917	3.36	3.92	2.49
0.933	9.77	1.933	5.87	2.933	3.36	3.93	2.49
0.950	9.77	1.950	5.87	2.950	3.36	3.95	2.49
0.967	9.77	1.967	5.87	2.967	3.36	3.97	2.49
0.983	9.77	1.983	5.87	2.983	3.36	3.98	2.49
1.000	9.77	2.000	5.87	3.000	3.36	4.00	2.49

Max.Eff.Inten.(mm/hr)=	51.89	2.38	
over (min)	5.00	35.00	
Storage Coeff. (min)=	3.09	34.60	(ii)
Unit Hyd. Tpeak (min)=	5.00	35.00	
Unit Hyd. peak (cms)=	0.30	0.03	
			TOTALS
PEAK FLOW (cms)=	0.04	0.00	0.037 (iii)
TIME TO PEAK (hrs)=	1.25	1.83	1.25
RUNOFF VOLUME (mm)=	29.70	3.02	8.87
TOTAL RAINFALL (mm)=	31.70	31.70	31.70
RUNOFF COEFFICIENT =	0.94	0.10	0.28

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
STANDHYD (0203)	Area (ha)= 17.16		
ID= 1 DT= 1.0 min	Total Imp(%)= 42.00	Dir. Conn.(%)= 30.00	

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	7.21	9.95
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	3.22	1.017	51.89	2.017	4.86	3.02	3.08
0.033	3.22	1.033	51.89	2.033	4.86	3.03	3.08
0.050	3.22	1.050	51.89	2.050	4.86	3.05	3.08
0.067	3.22	1.067	51.89	2.067	4.86	3.07	3.08
0.083	3.22	1.083	51.89	2.083	4.86	3.08	3.08
0.100	3.22	1.100	51.89	2.100	4.86	3.10	3.08
0.117	3.22	1.117	51.89	2.117	4.86	3.12	3.08
0.133	3.22	1.133	51.89	2.133	4.86	3.13	3.08
0.150	3.22	1.150	51.89	2.150	4.86	3.15	3.08

0.167	3.22	1.167	51.89	2.167	4.86	3.17	3.08
0.183	3.22	1.183	51.89	2.183	4.86	3.18	3.08
0.200	3.22	1.200	51.89	2.200	4.86	3.20	3.08
0.217	3.22	1.217	51.89	2.217	4.86	3.22	3.08
0.233	3.22	1.233	51.89	2.233	4.86	3.23	3.08
0.250	3.22	1.250	51.89	2.250	4.86	3.25	3.08
0.267	3.96	1.267	11.92	2.267	4.20	3.27	2.84
0.283	3.96	1.283	11.92	2.283	4.20	3.28	2.84
0.300	3.96	1.300	11.92	2.300	4.20	3.30	2.84
0.317	3.96	1.317	11.92	2.317	4.20	3.32	2.84
0.333	3.96	1.333	11.92	2.333	4.20	3.33	2.84
0.350	3.96	1.350	11.92	2.350	4.20	3.35	2.84
0.367	3.96	1.367	11.92	2.367	4.20	3.37	2.84
0.383	3.96	1.383	11.92	2.383	4.20	3.38	2.84
0.400	3.96	1.400	11.92	2.400	4.20	3.40	2.84
0.417	3.96	1.417	11.92	2.417	4.20	3.42	2.84
0.433	3.96	1.433	11.92	2.433	4.20	3.43	2.84
0.450	3.96	1.450	11.92	2.450	4.20	3.45	2.84
0.467	3.96	1.467	11.92	2.467	4.20	3.47	2.84
0.483	3.96	1.483	11.92	2.483	4.20	3.48	2.84
0.500	3.96	1.500	11.92	2.500	4.20	3.50	2.84
0.517	5.36	1.517	7.63	2.517	3.72	3.52	2.65
0.533	5.36	1.533	7.63	2.533	3.72	3.53	2.65
0.550	5.36	1.550	7.63	2.550	3.72	3.55	2.65
0.567	5.36	1.567	7.63	2.567	3.72	3.57	2.65
0.583	5.36	1.583	7.63	2.583	3.72	3.58	2.65
0.600	5.36	1.600	7.63	2.600	3.72	3.60	2.65
0.617	5.36	1.617	7.63	2.617	3.72	3.62	2.65
0.633	5.36	1.633	7.63	2.633	3.72	3.63	2.65
0.650	5.36	1.650	7.63	2.650	3.72	3.65	2.65
0.667	5.36	1.667	7.63	2.667	3.72	3.67	2.65
0.683	5.36	1.683	7.63	2.683	3.72	3.68	2.65
0.700	5.36	1.700	7.63	2.700	3.72	3.70	2.65
0.717	5.36	1.717	7.63	2.717	3.72	3.72	2.65
0.733	5.36	1.733	7.63	2.733	3.72	3.73	2.65
0.750	5.36	1.750	7.63	2.750	3.72	3.75	2.65
0.767	9.77	1.767	5.87	2.767	3.36	3.77	2.49
0.783	9.77	1.783	5.87	2.783	3.36	3.78	2.49
0.800	9.77	1.800	5.87	2.800	3.36	3.80	2.49
0.817	9.77	1.817	5.87	2.817	3.36	3.82	2.49
0.833	9.77	1.833	5.87	2.833	3.36	3.83	2.49
0.850	9.77	1.850	5.87	2.850	3.36	3.85	2.49
0.867	9.77	1.867	5.87	2.867	3.36	3.87	2.49
0.883	9.77	1.883	5.87	2.883	3.36	3.88	2.49
0.900	9.77	1.900	5.87	2.900	3.36	3.90	2.49
0.917	9.77	1.917	5.87	2.917	3.36	3.92	2.49
0.933	9.77	1.933	5.87	2.933	3.36	3.93	2.49
0.950	9.77	1.950	5.87	2.950	3.36	3.95	2.49
0.967	9.77	1.967	5.87	2.967	3.36	3.97	2.49
0.983	9.77	1.983	5.87	2.983	3.36	3.98	2.49
1.000	9.77	2.000	5.87	3.000	3.36	4.00	2.49

Max.Eff.Inten.(mm/hr)=	51.89	3.94	
over (min)	6.00	32.00	
Storage Coeff. (min)=	5.99 (ii)	31.72 (ii)	
Unit Hyd. Tpeak (min)=	6.00	32.00	
Unit Hyd. peak (cms)=	0.19	0.04	
			TOTALS
PEAK FLOW (cms)=	0.66	0.06	0.671 (iii)
TIME TO PEAK (hrs)=	1.27	1.77	1.27
RUNOFF VOLUME (mm)=	29.70	3.67	11.48
TOTAL RAINFALL (mm)=	31.70	31.70	31.70
RUNOFF COEFFICIENT =	0.94	0.12	0.36

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)				
1 + 2 = 3				
ID1= 1 (0012):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
+ ID2= 2 (0203):	1.18	0.037	1.25	8.87
	17.16	0.671	1.27	11.48
ID = 3 (0082):	18.34	0.708	1.27	11.31

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

| RESERVOIR(0002) |
| IN= 2---> OUT= 1 |
DT= 5.0 min

OVERFLOW IS OFF

OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
0.0000	0.0000	0.0940	0.3600
0.0120	0.2100	0.1210	0.4000
0.0550	0.2600	0.1500	0.4500
0.0620	0.3000	0.3000	0.7210

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0082)	18.340	0.708	1.27	11.31
OUTFLOW: ID= 1 (0002)	18.340	0.011	4.73	5.38

PEAK FLOW REDUCTION [Qout/Qin](%)= 1.57
TIME SHIFT OF PEAK FLOW (min)=208.00
MAXIMUM STORAGE USED (ha.m.)= 0.1940

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

| ADD HYD (0089) |
1 + 2 = 3

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0017):	31.32	0.145	1.77	3.61
+ ID2= 2 (0002):	18.34	0.011	4.73	5.38
=====				
ID = 3 (0089):	49.66	0.152	1.78	4.26

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:1.2 Chicago 4hr 5yr **

| CALIB
| NASHYD (0087) |
ID= 1 DT= 1.0 min

Area (ha)=	15.86	Curve Number (CN)=	62.0
Ia (mm)=	4.60	# of Linear Res.(N)=	3.00
U.H. Tp(hrs)=	0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	4.18	1.017	67.48	2.017	6.32	3.02	4.00
0.033	4.18	1.033	67.48	2.033	6.32	3.03	4.00
0.050	4.18	1.050	67.48	2.050	6.32	3.05	4.00
0.067	4.18	1.067	67.48	2.067	6.32	3.07	4.00
0.083	4.18	1.083	67.48	2.083	6.32	3.08	4.00
0.100	4.18	1.100	67.48	2.100	6.32	3.10	4.00
0.117	4.18	1.117	67.48	2.117	6.32	3.12	4.00
0.133	4.18	1.133	67.48	2.133	6.32	3.13	4.00
0.150	4.18	1.150	67.48	2.150	6.32	3.15	4.00
0.167	4.18	1.167	67.48	2.167	6.32	3.17	4.00
0.183	4.18	1.183	67.48	2.183	6.32	3.18	4.00
0.200	4.18	1.200	67.48	2.200	6.32	3.20	4.00
0.217	4.18	1.217	67.48	2.217	6.32	3.22	4.00
0.233	4.18	1.233	67.48	2.233	6.32	3.23	4.00
0.250	4.18	1.250	67.48	2.250	6.32	3.25	4.00
0.267	5.15	1.267	15.50	2.267	5.46	3.27	3.70
0.283	5.15	1.283	15.50	2.283	5.46	3.28	3.70
0.300	5.15	1.300	15.50	2.300	5.46	3.30	3.70
0.317	5.15	1.317	15.50	2.317	5.46	3.32	3.70
0.333	5.15	1.333	15.50	2.333	5.46	3.33	3.70
0.350	5.15	1.350	15.50	2.350	5.46	3.35	3.70
0.367	5.15	1.367	15.50	2.367	5.46	3.37	3.70
0.383	5.15	1.383	15.50	2.383	5.46	3.38	3.70
0.400	5.15	1.400	15.50	2.400	5.46	3.40	3.70
0.417	5.15	1.417	15.50	2.417	5.46	3.42	3.70
0.433	5.15	1.433	15.50	2.433	5.46	3.43	3.70
0.450	5.15	1.450	15.50	2.450	5.46	3.45	3.70
0.467	5.15	1.467	15.50	2.467	5.46	3.47	3.70
0.483	5.15	1.483	15.50	2.483	5.46	3.48	3.70
0.500	5.15	1.500	15.50	2.500	5.46	3.50	3.70
0.517	6.97	1.517	9.92	2.517	4.84	3.52	3.45
0.533	6.97	1.533	9.92	2.533	4.84	3.53	3.45
0.550	6.97	1.550	9.92	2.550	4.84	3.55	3.45
0.567	6.97	1.567	9.92	2.567	4.84	3.57	3.45
0.583	6.97	1.583	9.92	2.583	4.84	3.58	3.45
0.600	6.97	1.600	9.92	2.600	4.84	3.60	3.45

0.617	6.97	1.617	9.92	2.617	4.84	3.62	3.45
0.633	6.97	1.633	9.92	2.633	4.84	3.63	3.45
0.650	6.97	1.650	9.92	2.650	4.84	3.65	3.45
0.667	6.97	1.667	9.92	2.667	4.84	3.67	3.45
0.683	6.97	1.683	9.92	2.683	4.84	3.68	3.45
0.700	6.97	1.700	9.92	2.700	4.84	3.70	3.45
0.717	6.97	1.717	9.92	2.717	4.84	3.72	3.45
0.733	6.97	1.733	9.92	2.733	4.84	3.73	3.45
0.750	6.97	1.750	9.92	2.750	4.84	3.75	3.45
0.767	12.70	1.767	7.63	2.767	4.37	3.77	3.24
0.783	12.70	1.783	7.63	2.783	4.37	3.78	3.24
0.800	12.70	1.800	7.63	2.800	4.37	3.80	3.24
0.817	12.70	1.817	7.63	2.817	4.37	3.82	3.24
0.833	12.70	1.833	7.63	2.833	4.37	3.83	3.24
0.850	12.70	1.850	7.63	2.850	4.37	3.85	3.24
0.867	12.70	1.867	7.63	2.867	4.37	3.87	3.24
0.883	12.70	1.883	7.63	2.883	4.37	3.88	3.24
0.900	12.70	1.900	7.63	2.900	4.37	3.90	3.24
0.917	12.70	1.917	7.63	2.917	4.37	3.92	3.24
0.933	12.70	1.933	7.63	2.933	4.37	3.93	3.24
0.950	12.70	1.950	7.63	2.950	4.37	3.95	3.24
0.967	12.70	1.967	7.63	2.967	4.37	3.97	3.24
0.983	12.70	1.983	7.63	2.983	4.37	3.98	3.24
1.000	12.70	2.000	7.63	3.000	4.37	4.00	3.24

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.172 (i)
TIME TO PEAK (hrs)= 1.717
RUNOFF VOLUME (mm)= 6.976
TOTAL RAINFALL (mm)= 41.228
RUNOFF COEFFICIENT = 0.169

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	4.18	1.017	67.48	2.017	6.32	3.02	4.00
0.033	4.18	1.033	67.48	2.033	6.32	3.03	4.00
0.050	4.18	1.050	67.48	2.050	6.32	3.05	4.00
0.067	4.18	1.067	67.48	2.067	6.32	3.07	4.00
0.083	4.18	1.083	67.48	2.083	6.32	3.08	4.00
0.100	4.18	1.100	67.48	2.100	6.32	3.10	4.00
0.117	4.18	1.117	67.48	2.117	6.32	3.12	4.00
0.133	4.18	1.133	67.48	2.133	6.32	3.13	4.00
0.150	4.18	1.150	67.48	2.150	6.32	3.15	4.00
0.167	4.18	1.167	67.48	2.167	6.32	3.17	4.00
0.183	4.18	1.183	67.48	2.183	6.32	3.18	4.00
0.200	4.18	1.200	67.48	2.200	6.32	3.20	4.00
0.217	4.18	1.217	67.48	2.217	6.32	3.22	4.00
0.233	4.18	1.233	67.48	2.233	6.32	3.23	4.00
0.250	4.18	1.250	67.48	2.250	6.32	3.25	4.00
0.267	5.15	1.267	15.50	2.267	5.46	3.27	3.70
0.283	5.15	1.283	15.50	2.283	5.46	3.28	3.70
0.300	5.15	1.300	15.50	2.300	5.46	3.30	3.70
0.317	5.15	1.317	15.50	2.317	5.46	3.32	3.70
0.333	5.15	1.333	15.50	2.333	5.46	3.33	3.70
0.350	5.15	1.350	15.50	2.350	5.46	3.35	3.70
0.367	5.15	1.367	15.50	2.367	5.46	3.37	3.70
0.383	5.15	1.383	15.50	2.383	5.46	3.38	3.70
0.400	5.15	1.400	15.50	2.400	5.46	3.40	3.70
0.417	5.15	1.417	15.50	2.417	5.46	3.42	3.70
0.433	5.15	1.433	15.50	2.433	5.46	3.43	3.70
0.450	5.15	1.450	15.50	2.450	5.46	3.45	3.70
0.467	5.15	1.467	15.50	2.467	5.46	3.47	3.70
0.483	5.15	1.483	15.50	2.483	5.46	3.48	3.70
0.500	5.15	1.500	15.50	2.500	5.46	3.50	3.70
0.517	6.97	1.517	9.92	2.517	4.84	3.52	3.45
0.533	6.97	1.533	9.92	2.533	4.84	3.53	3.45
0.550	6.97	1.550	9.92	2.550	4.84	3.55	3.45
0.567	6.97	1.567	9.92	2.567	4.84	3.57	3.45
0.583	6.97	1.583	9.92	2.583	4.84	3.58	3.45
0.600	6.97	1.600	9.92	2.600	4.84	3.60	3.45

0.617	6.97	1.617	9.92	2.617	4.84	3.62	3.45
0.633	6.97	1.633	9.92	2.633	4.84	3.63	3.45
0.650	6.97	1.650	9.92	2.650	4.84	3.65	3.45
0.667	6.97	1.667	9.92	2.667	4.84	3.67	3.45
0.683	6.97	1.683	9.92	2.683	4.84	3.68	3.45
0.700	6.97	1.700	9.92	2.700	4.84	3.70	3.45
0.717	6.97	1.717	9.92	2.717	4.84	3.72	3.45
0.733	6.97	1.733	9.92	2.733	4.84	3.73	3.45
0.750	6.97	1.750	9.92	2.750	4.84	3.75	3.45
0.767	12.70	1.767	7.63	2.767	4.37	3.77	3.24
0.783	12.70	1.783	7.63	2.783	4.37	3.78	3.24
0.800	12.70	1.800	7.63	2.800	4.37	3.80	3.24
0.817	12.70	1.817	7.63	2.817	4.37	3.82	3.24
0.833	12.70	1.833	7.63	2.833	4.37	3.83	3.24
0.850	12.70	1.850	7.63	2.850	4.37	3.85	3.24
0.867	12.70	1.867	7.63	2.867	4.37	3.87	3.24
0.883	12.70	1.883	7.63	2.883	4.37	3.88	3.24
0.900	12.70	1.900	7.63	2.900	4.37	3.90	3.24
0.917	12.70	1.917	7.63	2.917	4.37	3.92	3.24
0.933	12.70	1.933	7.63	2.933	4.37	3.93	3.24
0.950	12.70	1.950	7.63	2.950	4.37	3.95	3.24
0.967	12.70	1.967	7.63	2.967	4.37	3.97	3.24
0.983	12.70	1.983	7.63	2.983	4.37	3.98	3.24
1.000	12.70	2.000	7.63	3.000	4.37	4.00	3.24

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.085 (i)
TIME TO PEAK (hrs)= 1.883
RUNOFF VOLUME (mm)= 4.532
TOTAL RAINFALL (mm)= 41.228
RUNOFF COEFFICIENT = 0.110

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB	Area (ha)= 0.96	
STANDHYD (0204)	Total Imp(%)= 68.00	Dir. Conn.(%)= 47.00
ID= 1 DT= 1.0 min		

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.65	0.31
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	4.18	1.017	67.48	2.017	6.32	3.02	4.00
0.033	4.18	1.033	67.48	2.033	6.32	3.03	4.00
0.050	4.18	1.050	67.48	2.050	6.32	3.05	4.00
0.067	4.18	1.067	67.48	2.067	6.32	3.07	4.00
0.083	4.18	1.083	67.48	2.083	6.32	3.08	4.00
0.100	4.18	1.100	67.48	2.100	6.32	3.10	4.00
0.117	4.18	1.117	67.48	2.117	6.32	3.12	4.00
0.133	4.18	1.133	67.48	2.133	6.32	3.13	4.00
0.150	4.18	1.150	67.48	2.150	6.32	3.15	4.00
0.167	4.18	1.167	67.48	2.167	6.32	3.17	4.00
0.183	4.18	1.183	67.48	2.183	6.32	3.18	4.00
0.200	4.18	1.200	67.48	2.200	6.32	3.20	4.00
0.217	4.18	1.217	67.48	2.217	6.32	3.22	4.00
0.233	4.18	1.233	67.48	2.233	6.32	3.23	4.00
0.250	4.18	1.250	67.48	2.250	6.32	3.25	4.00
0.267	5.15	1.267	15.50	2.267	5.46	3.27	3.70
0.283	5.15	1.283	15.50	2.283	5.46	3.28	3.70
0.300	5.15	1.300	15.50	2.300	5.46	3.30	3.70
0.317	5.15	1.317	15.50	2.317	5.46	3.32	3.70
0.333	5.15	1.333	15.50	2.333	5.46	3.33	3.70
0.350	5.15	1.350	15.50	2.350	5.46	3.35	3.70
0.367	5.15	1.367	15.50	2.367	5.46	3.37	3.70
0.383	5.15	1.383	15.50	2.383	5.46	3.38	3.70
0.400	5.15	1.400	15.50	2.400	5.46	3.40	3.70
0.417	5.15	1.417	15.50	2.417	5.46	3.42	3.70
0.433	5.15	1.433	15.50	2.433	5.46	3.43	3.70
0.450	5.15	1.450	15.50	2.450	5.46	3.45	3.70
0.467	5.15	1.467	15.50	2.467	5.46	3.47	3.70
0.483	5.15	1.483	15.50	2.483	5.46	3.48	3.70
0.500	5.15	1.500	15.50	2.500	5.46	3.50	3.70

0.517	6.97	1.517	9.92	2.517	4.84	3.52	3.45
0.533	6.97	1.533	9.92	2.533	4.84	3.53	3.45
0.550	6.97	1.550	9.92	2.550	4.84	3.55	3.45
0.567	6.97	1.567	9.92	2.567	4.84	3.57	3.45
0.583	6.97	1.583	9.92	2.583	4.84	3.58	3.45
0.600	6.97	1.600	9.92	2.600	4.84	3.60	3.45
0.617	6.97	1.617	9.92	2.617	4.84	3.62	3.45
0.633	6.97	1.633	9.92	2.633	4.84	3.63	3.45
0.650	6.97	1.650	9.92	2.650	4.84	3.65	3.45
0.667	6.97	1.667	9.92	2.667	4.84	3.67	3.45
0.683	6.97	1.683	9.92	2.683	4.84	3.68	3.45
0.700	6.97	1.700	9.92	2.700	4.84	3.70	3.45
0.717	6.97	1.717	9.92	2.717	4.84	3.72	3.45
0.733	6.97	1.733	9.92	2.733	4.84	3.73	3.45
0.750	6.97	1.750	9.92	2.750	4.84	3.75	3.45
0.767	12.70	1.767	7.63	2.767	4.37	3.77	3.24
0.783	12.70	1.783	7.63	2.783	4.37	3.78	3.24
0.800	12.70	1.800	7.63	2.800	4.37	3.80	3.24
0.817	12.70	1.817	7.63	2.817	4.37	3.82	3.24
0.833	12.70	1.833	7.63	2.833	4.37	3.83	3.24
0.850	12.70	1.850	7.63	2.850	4.37	3.85	3.24
0.867	12.70	1.867	7.63	2.867	4.37	3.87	3.24
0.883	12.70	1.883	7.63	2.883	4.37	3.88	3.24
0.900	12.70	1.900	7.63	2.900	4.37	3.90	3.24
0.917	12.70	1.917	7.63	2.917	4.37	3.92	3.24
0.933	12.70	1.933	7.63	2.933	4.37	3.93	3.24
0.950	12.70	1.950	7.63	2.950	4.37	3.95	3.24
0.967	12.70	1.967	7.63	2.967	4.37	3.97	3.24
0.983	12.70	1.983	7.63	2.983	4.37	3.98	3.24
1.000	12.70	2.000	7.63	3.000	4.37	4.00	3.24

Max.Eff.Inten.(mm/hr)=	67.48	22.29	
over (min)	5.00	13.00	
Storage Coeff. (min)=	5.40 (ii)	12.48 (ii)	
Unit Hyd. Tpeak (min)=	5.00	13.00	
Unit Hyd. peak (cms)=	0.21	0.09	
			TOTALS
PEAK FLOW (cms)=	0.08	0.01	0.085 (iii)
TIME TO PEAK (hrs)=	1.25	1.42	1.27
RUNOFF VOLUME (mm)=	39.23	8.65	23.01
TOTAL RAINFALL (mm)=	41.23	41.23	41.23
RUNOFF COEFFICIENT =	0.95	0.21	0.56

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0204):	0.96	0.085	1.27	23.01
+ ID2= 2 (0205):	14.50	0.085	1.88	4.53
=====				
ID = 3 (0017):	15.46	0.102	1.80	5.68

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 3 (0017):	15.46	0.102	1.80	5.68
+ ID2= 2 (0087):	15.86	0.172	1.72	6.98
=====				
ID = 1 (0017):	31.32	0.273	1.75	6.34

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB			
STANDHYD (0012)	Area (ha)=	1.18	
ID= 1 DT= 1.0 min	Total Imp(%)=	22.00	Dir. Conn.(%)= 22.00
	IMPERVIOUS	PERVIOUS (i)	
Surface Area (ha)=	0.26	0.92	
Dep. Storage (mm)=	2.00	4.60	
Average slope (%)=	1.00	2.00	

Length (m)= 88.84 40.00
Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	4.18	1.017	67.48	2.017	6.32	3.02	4.00
0.033	4.18	1.033	67.48	2.033	6.32	3.03	4.00
0.050	4.18	1.050	67.48	2.050	6.32	3.05	4.00
0.067	4.18	1.067	67.48	2.067	6.32	3.07	4.00
0.083	4.18	1.083	67.48	2.083	6.32	3.08	4.00
0.100	4.18	1.100	67.48	2.100	6.32	3.10	4.00
0.117	4.18	1.117	67.48	2.117	6.32	3.12	4.00
0.133	4.18	1.133	67.48	2.133	6.32	3.13	4.00
0.150	4.18	1.150	67.48	2.150	6.32	3.15	4.00
0.167	4.18	1.167	67.48	2.167	6.32	3.17	4.00
0.183	4.18	1.183	67.48	2.183	6.32	3.18	4.00
0.200	4.18	1.200	67.48	2.200	6.32	3.20	4.00
0.217	4.18	1.217	67.48	2.217	6.32	3.22	4.00
0.233	4.18	1.233	67.48	2.233	6.32	3.23	4.00
0.250	4.18	1.250	67.48	2.250	6.32	3.25	4.00
0.267	5.15	1.267	15.50	2.267	5.46	3.27	3.70
0.283	5.15	1.283	15.50	2.283	5.46	3.28	3.70
0.300	5.15	1.300	15.50	2.300	5.46	3.30	3.70
0.317	5.15	1.317	15.50	2.317	5.46	3.32	3.70
0.333	5.15	1.333	15.50	2.333	5.46	3.33	3.70
0.350	5.15	1.350	15.50	2.350	5.46	3.35	3.70
0.367	5.15	1.367	15.50	2.367	5.46	3.37	3.70
0.383	5.15	1.383	15.50	2.383	5.46	3.38	3.70
0.400	5.15	1.400	15.50	2.400	5.46	3.40	3.70
0.417	5.15	1.417	15.50	2.417	5.46	3.42	3.70
0.433	5.15	1.433	15.50	2.433	5.46	3.43	3.70
0.450	5.15	1.450	15.50	2.450	5.46	3.45	3.70
0.467	5.15	1.467	15.50	2.467	5.46	3.47	3.70
0.483	5.15	1.483	15.50	2.483	5.46	3.48	3.70
0.500	5.15	1.500	15.50	2.500	5.46	3.50	3.70
0.517	6.97	1.517	9.92	2.517	4.84	3.52	3.45
0.533	6.97	1.533	9.92	2.533	4.84	3.53	3.45
0.550	6.97	1.550	9.92	2.550	4.84	3.55	3.45
0.567	6.97	1.567	9.92	2.567	4.84	3.57	3.45
0.583	6.97	1.583	9.92	2.583	4.84	3.58	3.45
0.600	6.97	1.600	9.92	2.600	4.84	3.60	3.45
0.617	6.97	1.617	9.92	2.617	4.84	3.62	3.45
0.633	6.97	1.633	9.92	2.633	4.84	3.63	3.45
0.650	6.97	1.650	9.92	2.650	4.84	3.65	3.45
0.667	6.97	1.667	9.92	2.667	4.84	3.67	3.45
0.683	6.97	1.683	9.92	2.683	4.84	3.68	3.45
0.700	6.97	1.700	9.92	2.700	4.84	3.70	3.45
0.717	6.97	1.717	9.92	2.717	4.84	3.72	3.45
0.733	6.97	1.733	9.92	2.733	4.84	3.73	3.45
0.750	6.97	1.750	9.92	2.750	4.84	3.75	3.45
0.767	12.70	1.767	7.63	2.767	4.37	3.77	3.24
0.783	12.70	1.783	7.63	2.783	4.37	3.78	3.24
0.800	12.70	1.800	7.63	2.800	4.37	3.80	3.24
0.817	12.70	1.817	7.63	2.817	4.37	3.82	3.24
0.833	12.70	1.833	7.63	2.833	4.37	3.83	3.24
0.850	12.70	1.850	7.63	2.850	4.37	3.85	3.24
0.867	12.70	1.867	7.63	2.867	4.37	3.87	3.24
0.883	12.70	1.883	7.63	2.883	4.37	3.88	3.24
0.900	12.70	1.900	7.63	2.900	4.37	3.90	3.24
0.917	12.70	1.917	7.63	2.917	4.37	3.92	3.24
0.933	12.70	1.933	7.63	2.933	4.37	3.93	3.24
0.950	12.70	1.950	7.63	2.950	4.37	3.95	3.24
0.967	12.70	1.967	7.63	2.967	4.37	3.97	3.24
0.983	12.70	1.983	7.63	2.983	4.37	3.98	3.24
1.000	12.70	2.000	7.63	3.000	4.37	4.00	3.24

Max.Eff.Inten.(mm/hr)= 67.48 4.97
over (min) 5.00 27.00
Storage Coeff. (min)= 2.79 (ii) 26.24 (ii)
Unit Hyd. Tpeak (min)= 5.00 27.00
Unit Hyd. peak (cms)= 0.32 0.04

TOTALS

PEAK FLOW (cms)= 0.05 0.01 0.050 (iii)
TIME TO PEAK (hrs)= 1.25 1.67 1.25
RUNOFF VOLUME (mm)= 39.23 5.30 12.75
TOTAL RAINFALL (mm)= 41.23 41.23 41.23
RUNOFF COEFFICIENT = 0.95 0.13 0.31

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:

- CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0203)
ID= 1 DT= 1.0 min

Area (ha)= 17.16
Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	7.21	9.95
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	4.18	1.017	67.48	2.017	6.32	3.02	4.00
0.033	4.18	1.033	67.48	2.033	6.32	3.03	4.00
0.050	4.18	1.050	67.48	2.050	6.32	3.05	4.00
0.067	4.18	1.067	67.48	2.067	6.32	3.07	4.00
0.083	4.18	1.083	67.48	2.083	6.32	3.08	4.00
0.100	4.18	1.100	67.48	2.100	6.32	3.10	4.00
0.117	4.18	1.117	67.48	2.117	6.32	3.12	4.00
0.133	4.18	1.133	67.48	2.133	6.32	3.13	4.00
0.150	4.18	1.150	67.48	2.150	6.32	3.15	4.00
0.167	4.18	1.167	67.48	2.167	6.32	3.17	4.00
0.183	4.18	1.183	67.48	2.183	6.32	3.18	4.00
0.200	4.18	1.200	67.48	2.200	6.32	3.20	4.00
0.217	4.18	1.217	67.48	2.217	6.32	3.22	4.00
0.233	4.18	1.233	67.48	2.233	6.32	3.23	4.00
0.250	4.18	1.250	67.48	2.250	6.32	3.25	4.00
0.267	5.15	1.267	15.50	2.267	5.46	3.27	3.70
0.283	5.15	1.283	15.50	2.283	5.46	3.28	3.70
0.300	5.15	1.300	15.50	2.300	5.46	3.30	3.70
0.317	5.15	1.317	15.50	2.317	5.46	3.32	3.70
0.333	5.15	1.333	15.50	2.333	5.46	3.33	3.70
0.350	5.15	1.350	15.50	2.350	5.46	3.35	3.70
0.367	5.15	1.367	15.50	2.367	5.46	3.37	3.70
0.383	5.15	1.383	15.50	2.383	5.46	3.38	3.70
0.400	5.15	1.400	15.50	2.400	5.46	3.40	3.70
0.417	5.15	1.417	15.50	2.417	5.46	3.42	3.70
0.433	5.15	1.433	15.50	2.433	5.46	3.43	3.70
0.450	5.15	1.450	15.50	2.450	5.46	3.45	3.70
0.467	5.15	1.467	15.50	2.467	5.46	3.47	3.70
0.483	5.15	1.483	15.50	2.483	5.46	3.48	3.70
0.500	5.15	1.500	15.50	2.500	5.46	3.50	3.70
0.517	6.97	1.517	9.92	2.517	4.84	3.52	3.45
0.533	6.97	1.533	9.92	2.533	4.84	3.53	3.45
0.550	6.97	1.550	9.92	2.550	4.84	3.55	3.45
0.567	6.97	1.567	9.92	2.567	4.84	3.57	3.45
0.583	6.97	1.583	9.92	2.583	4.84	3.58	3.45
0.600	6.97	1.600	9.92	2.600	4.84	3.60	3.45
0.617	6.97	1.617	9.92	2.617	4.84	3.62	3.45
0.633	6.97	1.633	9.92	2.633	4.84	3.63	3.45
0.650	6.97	1.650	9.92	2.650	4.84	3.65	3.45
0.667	6.97	1.667	9.92	2.667	4.84	3.67	3.45
0.683	6.97	1.683	9.92	2.683	4.84	3.68	3.45
0.700	6.97	1.700	9.92	2.700	4.84	3.70	3.45
0.717	6.97	1.717	9.92	2.717	4.84	3.72	3.45
0.733	6.97	1.733	9.92	2.733	4.84	3.73	3.45
0.750	6.97	1.750	9.92	2.750	4.84	3.75	3.45
0.767	12.70	1.767	7.63	2.767	4.37	3.77	3.24
0.783	12.70	1.783	7.63	2.783	4.37	3.78	3.24
0.800	12.70	1.800	7.63	2.800	4.37	3.80	3.24
0.817	12.70	1.817	7.63	2.817	4.37	3.82	3.24
0.833	12.70	1.833	7.63	2.833	4.37	3.83	3.24
0.850	12.70	1.850	7.63	2.850	4.37	3.85	3.24
0.867	12.70	1.867	7.63	2.867	4.37	3.87	3.24
0.883	12.70	1.883	7.63	2.883	4.37	3.88	3.24
0.900	12.70	1.900	7.63	2.900	4.37	3.90	3.24
0.917	12.70	1.917	7.63	2.917	4.37	3.92	3.24
0.933	12.70	1.933	7.63	2.933	4.37	3.93	3.24
0.950	12.70	1.950	7.63	2.950	4.37	3.95	3.24
0.967	12.70	1.967	7.63	2.967	4.37	3.97	3.24
0.983	12.70	1.983	7.63	2.983	4.37	3.98	3.24
1.000	12.70	2.000	7.63	3.000	4.37	4.00	3.24

Max.Eff.Inten.(mm/hr)=	67.48	8.00	
over (min)	5.00	25.00	
Storage Coeff. (min)=	5.40 (ii)	24.78 (ii)	
Unit Hyd. Tpeak (min)=	5.00	25.00	
Unit Hyd. peak (cms)=	0.21	0.05	
			TOTALS
PEAK FLOW (cms)=	0.89	0.12	0.917 (iii)
TIME TO PEAK (hrs)=	1.25	1.63	1.25
RUNOFF VOLUME (mm)=	39.23	6.36	16.22
TOTAL RAINFALL (mm)=	41.23	41.23	41.23
RUNOFF COEFFICIENT =	0.95	0.15	0.39

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
 (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
 (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0012):	1.18	0.050	1.25	12.75
+ ID2= 2 (0203):	17.16	0.917	1.25	16.22
=====				
ID = 3 (0082):	18.34	0.967	1.25	15.99

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)		OVERFLOW IS OFF			
IN= 2---> OUT= 1					
DT= 5.0 min					
	OUTFLOW	STORAGE	OUTFLOW	STORAGE	
	(cms)	(ha.m.)	(cms)	(ha.m.)	
	0.0000	0.0000	0.0940	0.3600	
	0.0120	0.2100	0.1210	0.4000	
	0.0550	0.2600	0.1500	0.4500	
	0.0620	0.3000	0.3000	0.7210	
	AREA	QPEAK	TPEAK	R.V.	
	(ha)	(cms)	(hrs)	(mm)	
INFLOW : ID= 2 (0082)	18.340	0.967	1.25	15.99	
OUTFLOW: ID= 1 (0002)	18.340	0.053	4.15	9.00	

PEAK FLOW REDUCTION [Qout/Qin](%)= 5.50
 TIME SHIFT OF PEAK FLOW (min)=174.00
 MAXIMUM STORAGE USED (ha.m.)= 0.2579

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0017):	31.32	0.273	1.75	6.34
+ ID2= 2 (0002):	18.34	0.053	4.15	9.00
=====				
ID = 3 (0089):	49.66	0.282	1.75	7.32

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:1.3 Chicago 4hr 10yr **

CALIB			
NASHYD (0087)		Area (ha)= 15.86	Curve Number (CN)= 62.0
ID= 1 DT= 1.0 min		Ia (mm)= 4.60	# of Linear Res.(N)= 3.00
		U.H. Tp(hrs)= 0.40	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	4.80	1.017	77.82	2.017	7.26	3.02	4.59
0.033	4.80	1.033	77.82	2.033	7.25	3.03	4.59
0.050	4.80	1.050	77.82	2.050	7.25	3.05	4.59

0.067	4.80	1.067	77.82	2.067	7.25	3.07	4.59
0.083	4.80	1.083	77.82	2.083	7.25	3.08	4.59
0.100	4.80	1.100	77.82	2.100	7.25	3.10	4.59
0.117	4.80	1.117	77.82	2.117	7.25	3.12	4.59
0.133	4.80	1.133	77.82	2.133	7.25	3.13	4.59
0.150	4.80	1.150	77.82	2.150	7.25	3.15	4.59
0.167	4.80	1.167	77.82	2.167	7.25	3.17	4.59
0.183	4.80	1.183	77.82	2.183	7.25	3.18	4.59
0.200	4.80	1.200	77.82	2.200	7.25	3.20	4.59
0.217	4.80	1.217	77.82	2.217	7.25	3.22	4.59
0.233	4.80	1.233	77.82	2.233	7.25	3.23	4.59
0.250	4.80	1.250	77.82	2.250	7.25	3.25	4.59
0.267	5.90	1.267	17.81	2.267	6.26	3.27	4.24
0.283	5.90	1.283	17.81	2.283	6.26	3.28	4.24
0.300	5.90	1.300	17.81	2.300	6.26	3.30	4.24
0.317	5.90	1.317	17.81	2.317	6.26	3.32	4.24
0.333	5.90	1.333	17.81	2.333	6.26	3.33	4.24
0.350	5.90	1.350	17.81	2.350	6.26	3.35	4.24
0.367	5.90	1.367	17.81	2.367	6.26	3.37	4.24
0.383	5.90	1.383	17.81	2.383	6.26	3.38	4.24
0.400	5.90	1.400	17.81	2.400	6.26	3.40	4.24
0.417	5.90	1.417	17.81	2.417	6.26	3.42	4.24
0.433	5.90	1.433	17.81	2.433	6.26	3.43	4.24
0.450	5.90	1.450	17.81	2.450	6.26	3.45	4.24
0.467	5.90	1.467	17.81	2.467	6.26	3.47	4.24
0.483	5.90	1.483	17.81	2.483	6.26	3.48	4.24
0.500	5.90	1.500	17.81	2.500	6.26	3.50	4.24
0.517	8.00	1.517	11.39	2.517	5.55	3.52	3.95
0.533	8.00	1.533	11.39	2.533	5.55	3.53	3.95
0.550	8.00	1.550	11.39	2.550	5.55	3.55	3.95
0.567	8.00	1.567	11.39	2.567	5.55	3.57	3.95
0.583	8.00	1.583	11.39	2.583	5.55	3.58	3.95
0.600	8.00	1.600	11.39	2.600	5.55	3.60	3.95
0.617	8.00	1.617	11.39	2.617	5.55	3.62	3.95
0.633	8.00	1.633	11.39	2.633	5.55	3.63	3.95
0.650	8.00	1.650	11.39	2.650	5.55	3.65	3.95
0.667	8.00	1.667	11.39	2.667	5.55	3.67	3.95
0.683	8.00	1.683	11.39	2.683	5.55	3.68	3.95
0.700	8.00	1.700	11.39	2.700	5.55	3.70	3.95
0.717	8.00	1.717	11.39	2.717	5.55	3.72	3.95
0.733	8.00	1.733	11.39	2.733	5.55	3.73	3.95
0.750	8.00	1.750	11.39	2.750	5.55	3.75	3.95
0.767	14.59	1.767	8.76	2.767	5.01	3.77	3.71
0.783	14.59	1.783	8.76	2.783	5.01	3.78	3.71
0.800	14.59	1.800	8.76	2.800	5.01	3.80	3.71
0.817	14.59	1.817	8.76	2.817	5.01	3.82	3.71
0.833	14.59	1.833	8.76	2.833	5.01	3.83	3.71
0.850	14.59	1.850	8.76	2.850	5.01	3.85	3.71
0.867	14.59	1.867	8.76	2.867	5.01	3.87	3.71
0.883	14.59	1.883	8.76	2.883	5.01	3.88	3.71
0.900	14.59	1.900	8.76	2.900	5.01	3.90	3.71
0.917	14.59	1.917	8.76	2.917	5.01	3.92	3.71
0.933	14.59	1.933	8.76	2.933	5.01	3.93	3.71
0.950	14.59	1.950	8.76	2.950	5.01	3.95	3.71
0.967	14.59	1.967	8.76	2.967	5.01	3.97	3.71
0.983	14.59	1.983	8.76	2.983	5.01	3.98	3.71
1.000	14.59	2.000	8.76	3.000	5.01	4.00	3.71

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.232 (i)
TIME TO PEAK (hrs)= 1.700
RUNOFF VOLUME (mm)= 9.233
TOTAL RAINFALL (mm)= 47.409
RUNOFF COEFFICIENT = 0.195

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)=	14.50	Curve Number (CN)= 58.0
ID= 1 DT= 1.0 min	Ia (mm)=	10.00	# of Linear Res.(N)= 3.00
	U.H. Tp(hrs)=	0.44	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	4.80	1.017	77.82	2.017	7.26	3.02	4.59
0.033	4.80	1.033	77.82	2.033	7.25	3.03	4.59
0.050	4.80	1.050	77.82	2.050	7.25	3.05	4.59

0.067	4.80	1.067	77.82	2.067	7.25	3.07	4.59
0.083	4.80	1.083	77.82	2.083	7.25	3.08	4.59
0.100	4.80	1.100	77.82	2.100	7.25	3.10	4.59
0.117	4.80	1.117	77.82	2.117	7.25	3.12	4.59
0.133	4.80	1.133	77.82	2.133	7.25	3.13	4.59
0.150	4.80	1.150	77.82	2.150	7.25	3.15	4.59
0.167	4.80	1.167	77.82	2.167	7.25	3.17	4.59
0.183	4.80	1.183	77.82	2.183	7.25	3.18	4.59
0.200	4.80	1.200	77.82	2.200	7.25	3.20	4.59
0.217	4.80	1.217	77.82	2.217	7.25	3.22	4.59
0.233	4.80	1.233	77.82	2.233	7.25	3.23	4.59
0.250	4.80	1.250	77.82	2.250	7.25	3.25	4.59
0.267	5.90	1.267	17.81	2.267	6.26	3.27	4.24
0.283	5.90	1.283	17.81	2.283	6.26	3.28	4.24
0.300	5.90	1.300	17.81	2.300	6.26	3.30	4.24
0.317	5.90	1.317	17.81	2.317	6.26	3.32	4.24
0.333	5.90	1.333	17.81	2.333	6.26	3.33	4.24
0.350	5.90	1.350	17.81	2.350	6.26	3.35	4.24
0.367	5.90	1.367	17.81	2.367	6.26	3.37	4.24
0.383	5.90	1.383	17.81	2.383	6.26	3.38	4.24
0.400	5.90	1.400	17.81	2.400	6.26	3.40	4.24
0.417	5.90	1.417	17.81	2.417	6.26	3.42	4.24
0.433	5.90	1.433	17.81	2.433	6.26	3.43	4.24
0.450	5.90	1.450	17.81	2.450	6.26	3.45	4.24
0.467	5.90	1.467	17.81	2.467	6.26	3.47	4.24
0.483	5.90	1.483	17.81	2.483	6.26	3.48	4.24
0.500	5.90	1.500	17.81	2.500	6.26	3.50	4.24
0.517	8.00	1.517	11.39	2.517	5.55	3.52	3.95
0.533	8.00	1.533	11.39	2.533	5.55	3.53	3.95
0.550	8.00	1.550	11.39	2.550	5.55	3.55	3.95
0.567	8.00	1.567	11.39	2.567	5.55	3.57	3.95
0.583	8.00	1.583	11.39	2.583	5.55	3.58	3.95
0.600	8.00	1.600	11.39	2.600	5.55	3.60	3.95
0.617	8.00	1.617	11.39	2.617	5.55	3.62	3.95
0.633	8.00	1.633	11.39	2.633	5.55	3.63	3.95
0.650	8.00	1.650	11.39	2.650	5.55	3.65	3.95
0.667	8.00	1.667	11.39	2.667	5.55	3.67	3.95
0.683	8.00	1.683	11.39	2.683	5.55	3.68	3.95
0.700	8.00	1.700	11.39	2.700	5.55	3.70	3.95
0.717	8.00	1.717	11.39	2.717	5.55	3.72	3.95
0.733	8.00	1.733	11.39	2.733	5.55	3.73	3.95
0.750	8.00	1.750	11.39	2.750	5.55	3.75	3.95
0.767	14.59	1.767	8.76	2.767	5.01	3.77	3.71
0.783	14.59	1.783	8.76	2.783	5.01	3.78	3.71
0.800	14.59	1.800	8.76	2.800	5.01	3.80	3.71
0.817	14.59	1.817	8.76	2.817	5.01	3.82	3.71
0.833	14.59	1.833	8.76	2.833	5.01	3.83	3.71
0.850	14.59	1.850	8.76	2.850	5.01	3.85	3.71
0.867	14.59	1.867	8.76	2.867	5.01	3.87	3.71
0.883	14.59	1.883	8.76	2.883	5.01	3.88	3.71
0.900	14.59	1.900	8.76	2.900	5.01	3.90	3.71
0.917	14.59	1.917	8.76	2.917	5.01	3.92	3.71
0.933	14.59	1.933	8.76	2.933	5.01	3.93	3.71
0.950	14.59	1.950	8.76	2.950	5.01	3.95	3.71
0.967	14.59	1.967	8.76	2.967	5.01	3.97	3.71
0.983	14.59	1.983	8.76	2.983	5.01	3.98	3.71
1.000	14.59	2.000	8.76	3.000	5.01	4.00	3.71

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.123 (i)
TIME TO PEAK (hrs)= 1.850
RUNOFF VOLUME (mm)= 6.322
TOTAL RAINFALL (mm)= 47.409
RUNOFF COEFFICIENT = 0.133

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
STANDHYD (0204)			
ID= 1 DT= 1.0 min	Area (ha)= 0.96	Total Imp(%)= 68.00	Dir. Conn.(%)= 47.00
Surface Area	(ha)= 0.65	IMPERVIOUS	PERVIOUS (i)
Dep. Storage	(mm)= 2.00		0.31
Average slope	(%)= 1.00		5.00
Length	(m)= 267.45		2.00
Mannings n	= 0.013		40.00
			0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	4.80	1.017	77.82	2.017	7.26	3.02	4.59
0.033	4.80	1.033	77.82	2.033	7.25	3.03	4.59
0.050	4.80	1.050	77.82	2.050	7.25	3.05	4.59
0.067	4.80	1.067	77.82	2.067	7.25	3.07	4.59
0.083	4.80	1.083	77.82	2.083	7.25	3.08	4.59
0.100	4.80	1.100	77.82	2.100	7.25	3.10	4.59
0.117	4.80	1.117	77.82	2.117	7.25	3.12	4.59
0.133	4.80	1.133	77.82	2.133	7.25	3.13	4.59
0.150	4.80	1.150	77.82	2.150	7.25	3.15	4.59
0.167	4.80	1.167	77.82	2.167	7.25	3.17	4.59
0.183	4.80	1.183	77.82	2.183	7.25	3.18	4.59
0.200	4.80	1.200	77.82	2.200	7.25	3.20	4.59
0.217	4.80	1.217	77.82	2.217	7.25	3.22	4.59
0.233	4.80	1.233	77.82	2.233	7.25	3.23	4.59
0.250	4.80	1.250	77.82	2.250	7.25	3.25	4.59
0.267	5.90	1.267	17.81	2.267	6.26	3.27	4.24
0.283	5.90	1.283	17.81	2.283	6.26	3.28	4.24
0.300	5.90	1.300	17.81	2.300	6.26	3.30	4.24
0.317	5.90	1.317	17.81	2.317	6.26	3.32	4.24
0.333	5.90	1.333	17.81	2.333	6.26	3.33	4.24
0.350	5.90	1.350	17.81	2.350	6.26	3.35	4.24
0.367	5.90	1.367	17.81	2.367	6.26	3.37	4.24
0.383	5.90	1.383	17.81	2.383	6.26	3.38	4.24
0.400	5.90	1.400	17.81	2.400	6.26	3.40	4.24
0.417	5.90	1.417	17.81	2.417	6.26	3.42	4.24
0.433	5.90	1.433	17.81	2.433	6.26	3.43	4.24
0.450	5.90	1.450	17.81	2.450	6.26	3.45	4.24
0.467	5.90	1.467	17.81	2.467	6.26	3.47	4.24
0.483	5.90	1.483	17.81	2.483	6.26	3.48	4.24
0.500	5.90	1.500	17.81	2.500	6.26	3.50	4.24
0.517	8.00	1.517	11.39	2.517	5.55	3.52	3.95
0.533	8.00	1.533	11.39	2.533	5.55	3.53	3.95
0.550	8.00	1.550	11.39	2.550	5.55	3.55	3.95
0.567	8.00	1.567	11.39	2.567	5.55	3.57	3.95
0.583	8.00	1.583	11.39	2.583	5.55	3.58	3.95
0.600	8.00	1.600	11.39	2.600	5.55	3.60	3.95
0.617	8.00	1.617	11.39	2.617	5.55	3.62	3.95
0.633	8.00	1.633	11.39	2.633	5.55	3.63	3.95
0.650	8.00	1.650	11.39	2.650	5.55	3.65	3.95
0.667	8.00	1.667	11.39	2.667	5.55	3.67	3.95
0.683	8.00	1.683	11.39	2.683	5.55	3.68	3.95
0.700	8.00	1.700	11.39	2.700	5.55	3.70	3.95
0.717	8.00	1.717	11.39	2.717	5.55	3.72	3.95
0.733	8.00	1.733	11.39	2.733	5.55	3.73	3.95
0.750	8.00	1.750	11.39	2.750	5.55	3.75	3.95
0.767	14.59	1.767	8.76	2.767	5.01	3.77	3.71
0.783	14.59	1.783	8.76	2.783	5.01	3.78	3.71
0.800	14.59	1.800	8.76	2.800	5.01	3.80	3.71
0.817	14.59	1.817	8.76	2.817	5.01	3.82	3.71
0.833	14.59	1.833	8.76	2.833	5.01	3.83	3.71
0.850	14.59	1.850	8.76	2.850	5.01	3.85	3.71
0.867	14.59	1.867	8.76	2.867	5.01	3.87	3.71
0.883	14.59	1.883	8.76	2.883	5.01	3.88	3.71
0.900	14.59	1.900	8.76	2.900	5.01	3.90	3.71
0.917	14.59	1.917	8.76	2.917	5.01	3.92	3.71
0.933	14.59	1.933	8.76	2.933	5.01	3.93	3.71
0.950	14.59	1.950	8.76	2.950	5.01	3.95	3.71
0.967	14.59	1.967	8.76	2.967	5.01	3.97	3.71
0.983	14.59	1.983	8.76	2.983	5.01	3.98	3.71
1.000	14.59	2.000	8.76	3.000	5.01	4.00	3.71

Max.Eff.Inten.(mm/hr)= 77.82 29.50
 over (min) 5.00 12.00
 Storage Coeff. (min)= 5.10 (ii) 11.79 (ii)
 Unit Hyd. Tpeak (min)= 5.00 12.00
 Unit Hyd. peak (cms)= 0.22 0.10

PEAK FLOW (cms)= 0.09 0.01 0.101 (iii)
 TIME TO PEAK (hrs)= 1.25 1.38 1.27
 RUNOFF VOLUME (mm)= 45.41 11.26 27.30
 TOTAL RAINFALL (mm)= 47.41 47.41 47.41
 RUNOFF COEFFICIENT = 0.96 0.24 0.58

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
 (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
 (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3				
ID1= 1 (0204):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
+ ID2= 2 (0205):	0.96	0.101	1.27	27.30
	14.50	0.123	1.85	6.32
=====				
ID = 3 (0017):	15.46	0.144	1.78	7.63

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1				
ID1= 3 (0017):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
+ ID2= 2 (0087):	15.46	0.144	1.78	7.63
	15.86	0.232	1.70	9.23
=====				
ID = 1 (0017):	31.32	0.375	1.73	8.44

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB		STANDHYD (0012)	
ID= 1 DT= 1.0 min	Area (ha)= 1.18	Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.26	0.92
Dep. Storage	(mm)=	2.00	4.60
Average Slope	(%)=	1.00	2.00
Length	(m)=	88.84	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	4.80	1.017	77.82	2.017	7.26	3.02	4.59
0.033	4.80	1.033	77.82	2.033	7.25	3.03	4.59
0.050	4.80	1.050	77.82	2.050	7.25	3.05	4.59
0.067	4.80	1.067	77.82	2.067	7.25	3.07	4.59
0.083	4.80	1.083	77.82	2.083	7.25	3.08	4.59
0.100	4.80	1.100	77.82	2.100	7.25	3.10	4.59
0.117	4.80	1.117	77.82	2.117	7.25	3.12	4.59
0.133	4.80	1.133	77.82	2.133	7.25	3.13	4.59
0.150	4.80	1.150	77.82	2.150	7.25	3.15	4.59
0.167	4.80	1.167	77.82	2.167	7.25	3.17	4.59
0.183	4.80	1.183	77.82	2.183	7.25	3.18	4.59
0.200	4.80	1.200	77.82	2.200	7.25	3.20	4.59
0.217	4.80	1.217	77.82	2.217	7.25	3.22	4.59
0.233	4.80	1.233	77.82	2.233	7.25	3.23	4.59
0.250	4.80	1.250	77.82	2.250	7.25	3.25	4.59
0.267	5.90	1.267	17.81	2.267	6.26	3.27	4.24
0.283	5.90	1.283	17.81	2.283	6.26	3.28	4.24
0.300	5.90	1.300	17.81	2.300	6.26	3.30	4.24
0.317	5.90	1.317	17.81	2.317	6.26	3.32	4.24
0.333	5.90	1.333	17.81	2.333	6.26	3.33	4.24
0.350	5.90	1.350	17.81	2.350	6.26	3.35	4.24
0.367	5.90	1.367	17.81	2.367	6.26	3.37	4.24
0.383	5.90	1.383	17.81	2.383	6.26	3.38	4.24
0.400	5.90	1.400	17.81	2.400	6.26	3.40	4.24
0.417	5.90	1.417	17.81	2.417	6.26	3.42	4.24
0.433	5.90	1.433	17.81	2.433	6.26	3.43	4.24
0.450	5.90	1.450	17.81	2.450	6.26	3.45	4.24
0.467	5.90	1.467	17.81	2.467	6.26	3.47	4.24
0.483	5.90	1.483	17.81	2.483	6.26	3.48	4.24
0.500	5.90	1.500	17.81	2.500	6.26	3.50	4.24
0.517	8.00	1.517	11.39	2.517	5.55	3.52	3.95
0.533	8.00	1.533	11.39	2.533	5.55	3.53	3.95
0.550	8.00	1.550	11.39	2.550	5.55	3.55	3.95
0.567	8.00	1.567	11.39	2.567	5.55	3.57	3.95
0.583	8.00	1.583	11.39	2.583	5.55	3.58	3.95
0.600	8.00	1.600	11.39	2.600	5.55	3.60	3.95
0.617	8.00	1.617	11.39	2.617	5.55	3.62	3.95
0.633	8.00	1.633	11.39	2.633	5.55	3.63	3.95
0.650	8.00	1.650	11.39	2.650	5.55	3.65	3.95
0.667	8.00	1.667	11.39	2.667	5.55	3.67	3.95
0.683	8.00	1.683	11.39	2.683	5.55	3.68	3.95
0.700	8.00	1.700	11.39	2.700	5.55	3.70	3.95

0.717	8.00	1.717	11.39	2.717	5.55	3.72	3.95
0.733	8.00	1.733	11.39	2.733	5.55	3.73	3.95
0.750	8.00	1.750	11.39	2.750	5.55	3.75	3.95
0.767	14.59	1.767	8.76	2.767	5.01	3.77	3.71
0.783	14.59	1.783	8.76	2.783	5.01	3.78	3.71
0.800	14.59	1.800	8.76	2.800	5.01	3.80	3.71
0.817	14.59	1.817	8.76	2.817	5.01	3.82	3.71
0.833	14.59	1.833	8.76	2.833	5.01	3.83	3.71
0.850	14.59	1.850	8.76	2.850	5.01	3.85	3.71
0.867	14.59	1.867	8.76	2.867	5.01	3.87	3.71
0.883	14.59	1.883	8.76	2.883	5.01	3.88	3.71
0.900	14.59	1.900	8.76	2.900	5.01	3.90	3.71
0.917	14.59	1.917	8.76	2.917	5.01	3.92	3.71
0.933	14.59	1.933	8.76	2.933	5.01	3.93	3.71
0.950	14.59	1.950	8.76	2.950	5.01	3.95	3.71
0.967	14.59	1.967	8.76	2.967	5.01	3.97	3.71
0.983	14.59	1.983	8.76	2.983	5.01	3.98	3.71
1.000	14.59	2.000	8.76	3.000	5.01	4.00	3.71

Max.Eff.Inten.(mm/hr)= 77.82 7.40
over (min) 5.00 23.00
Storage Coeff. (min)= 2.63 (ii) 22.63 (ii)
Unit Hyd. Tpeak (min)= 5.00 23.00
Unit Hyd. peak (cms)= 0.33 0.05

TOTALS

PEAK FLOW (cms)= 0.06 0.01 0.059 (iii)
TIME TO PEAK (hrs)= 1.25 1.60 1.25
RUNOFF VOLUME (mm)= 45.41 7.07 15.49
TOTAL RAINFALL (mm)= 47.41 47.41 47.41
RUNOFF COEFFICIENT = 0.96 0.15 0.33

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0203)
ID= 1 DT= 1.0 min
Area (ha)= 17.16
Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

IMPERVIOUS PERVIOUS (i)
Surface Area (ha)= 7.21 9.95
Dep. Storage (mm)= 2.00 5.00
Average Slope (%)= 1.00 2.00
Length (m)= 267.45 40.00
Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	4.80	1.017	77.82	2.017	7.26	3.02	4.59
0.033	4.80	1.033	77.82	2.033	7.25	3.03	4.59
0.050	4.80	1.050	77.82	2.050	7.25	3.05	4.59
0.067	4.80	1.067	77.82	2.067	7.25	3.07	4.59
0.083	4.80	1.083	77.82	2.083	7.25	3.08	4.59
0.100	4.80	1.100	77.82	2.100	7.25	3.10	4.59
0.117	4.80	1.117	77.82	2.117	7.25	3.12	4.59
0.133	4.80	1.133	77.82	2.133	7.25	3.13	4.59
0.150	4.80	1.150	77.82	2.150	7.25	3.15	4.59
0.167	4.80	1.167	77.82	2.167	7.25	3.17	4.59
0.183	4.80	1.183	77.82	2.183	7.25	3.18	4.59
0.200	4.80	1.200	77.82	2.200	7.25	3.20	4.59
0.217	4.80	1.217	77.82	2.217	7.25	3.22	4.59
0.233	4.80	1.233	77.82	2.233	7.25	3.23	4.59
0.250	4.80	1.250	77.82	2.250	7.25	3.25	4.59
0.267	5.90	1.267	17.81	2.267	6.26	3.27	4.24
0.283	5.90	1.283	17.81	2.283	6.26	3.28	4.24
0.300	5.90	1.300	17.81	2.300	6.26	3.30	4.24
0.317	5.90	1.317	17.81	2.317	6.26	3.32	4.24
0.333	5.90	1.333	17.81	2.333	6.26	3.33	4.24
0.350	5.90	1.350	17.81	2.350	6.26	3.35	4.24
0.367	5.90	1.367	17.81	2.367	6.26	3.37	4.24
0.383	5.90	1.383	17.81	2.383	6.26	3.38	4.24
0.400	5.90	1.400	17.81	2.400	6.26	3.40	4.24
0.417	5.90	1.417	17.81	2.417	6.26	3.42	4.24
0.433	5.90	1.433	17.81	2.433	6.26	3.43	4.24
0.450	5.90	1.450	17.81	2.450	6.26	3.45	4.24

0.467	5.90	1.467	17.81	2.467	6.26	3.47	4.24
0.483	5.90	1.483	17.81	2.483	6.26	3.48	4.24
0.500	5.90	1.500	17.81	2.500	6.26	3.50	4.24
0.517	8.00	1.517	11.39	2.517	5.55	3.52	3.95
0.533	8.00	1.533	11.39	2.533	5.55	3.53	3.95
0.550	8.00	1.550	11.39	2.550	5.55	3.55	3.95
0.567	8.00	1.567	11.39	2.567	5.55	3.57	3.95
0.583	8.00	1.583	11.39	2.583	5.55	3.58	3.95
0.600	8.00	1.600	11.39	2.600	5.55	3.60	3.95
0.617	8.00	1.617	11.39	2.617	5.55	3.62	3.95
0.633	8.00	1.633	11.39	2.633	5.55	3.63	3.95
0.650	8.00	1.650	11.39	2.650	5.55	3.65	3.95
0.667	8.00	1.667	11.39	2.667	5.55	3.67	3.95
0.683	8.00	1.683	11.39	2.683	5.55	3.68	3.95
0.700	8.00	1.700	11.39	2.700	5.55	3.70	3.95
0.717	8.00	1.717	11.39	2.717	5.55	3.72	3.95
0.733	8.00	1.733	11.39	2.733	5.55	3.73	3.95
0.750	8.00	1.750	11.39	2.750	5.55	3.75	3.95
0.767	14.59	1.767	8.76	2.767	5.01	3.77	3.71
0.783	14.59	1.783	8.76	2.783	5.01	3.78	3.71
0.800	14.59	1.800	8.76	2.800	5.01	3.80	3.71
0.817	14.59	1.817	8.76	2.817	5.01	3.82	3.71
0.833	14.59	1.833	8.76	2.833	5.01	3.83	3.71
0.850	14.59	1.850	8.76	2.850	5.01	3.85	3.71
0.867	14.59	1.867	8.76	2.867	5.01	3.87	3.71
0.883	14.59	1.883	8.76	2.883	5.01	3.88	3.71
0.900	14.59	1.900	8.76	2.900	5.01	3.90	3.71
0.917	14.59	1.917	8.76	2.917	5.01	3.92	3.71
0.933	14.59	1.933	8.76	2.933	5.01	3.93	3.71
0.950	14.59	1.950	8.76	2.950	5.01	3.95	3.71
0.967	14.59	1.967	8.76	2.967	5.01	3.97	3.71
0.983	14.59	1.983	8.76	2.983	5.01	3.98	3.71
1.000	14.59	2.000	8.76	3.000	5.01	4.00	3.71

Max.Eff.Inten.(mm/hr)= 77.82 11.88
over (min) 5.00 22.00
Storage Coeff. (min)= 5.10 (ii) 21.64 (ii)
Unit Hyd. Tpeak (min)= 5.00 22.00
Unit Hyd. peak (cms)= 0.22 0.05

TOTALS

PEAK FLOW (cms)= 1.04 0.18 1.088 (iii)
TIME TO PEAK (hrs)= 1.25 1.58 1.25
RUNOFF VOLUME (mm)= 45.41 8.41 19.51
TOTAL RAINFALL (mm)= 47.41 47.41 47.41
RUNOFF COEFFICIENT = 0.96 0.18 0.41

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)				
1 + 2 = 3				
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0012):	1.18	0.059	1.25	15.49
+ ID2= 2 (0203):	17.16	1.088	1.25	19.51
=====				
ID = 3 (0082):	18.34	1.146	1.25	19.25

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)				
IN= 2---> OUT= 1				
DT= 5.0 min				
OVERFLOW IS OFF				
	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	0.0940	0.3600
	0.0120	0.2100	0.1210	0.4000
	0.0550	0.2600	0.1500	0.4500
	0.0620	0.3000	0.3000	0.7210
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0082)	18.340	1.146	1.25	19.25
OUTFLOW: ID= 1 (0002)	18.340	0.062	4.15	11.97

PEAK FLOW REDUCTION [Qout/Qin](%)= 5.41
TIME SHIFT OF PEAK FLOW (min)=174.00
MAXIMUM STORAGE USED (ha.m.)= 0.3000

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

```
-----
| ADD HYD ( 0089) |
| 1 + 2 = 3 |
-----
          AREA      QPEAK      TPEAK      R.V.
          (ha)      (cms)      (hrs)      (mm)
ID1= 1 ( 0017):   31.32   0.375   1.73   8.44
+ ID2= 2 ( 0002):   18.34   0.062   4.15  11.97
=====
ID = 3 ( 0089):   49.66   0.386   1.75   9.74
=====
```

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:1.4 Chicago 4hr 25yr **

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-----
| CALIB |
| NASHYD ( 0087) |
| ID= 1 DT= 1.0 min |
-----
Area      (ha)= 15.86   Curve Number (CN)= 62.0
Ia        (mm)= 4.60    # of Linear Res.(N)= 3.00
U.H. Tp(hrs)= 0.40
```

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

```
----- TRANSFORMED HYETOGRAPH -----
TIME    RAIN    TIME    RAIN    TIME    RAIN    TIME    RAIN
hrs     mm/hr  hrs     mm/hr  hrs     mm/hr  hrs     mm/hr
0.017   5.60    1.017   90.87  2.017   8.47    3.02    5.36
0.033   5.60    1.033   90.87  2.033   8.47    3.03    5.36
0.050   5.60    1.050   90.87  2.050   8.47    3.05    5.36
0.067   5.60    1.067   90.87  2.067   8.47    3.07    5.36
0.083   5.60    1.083   90.87  2.083   8.47    3.08    5.36
0.100   5.60    1.100   90.87  2.100   8.47    3.10    5.36
0.117   5.60    1.117   90.87  2.117   8.47    3.12    5.36
0.133   5.60    1.133   90.87  2.133   8.47    3.13    5.36
0.150   5.60    1.150   90.87  2.150   8.47    3.15    5.36
0.167   5.60    1.167   90.87  2.167   8.47    3.17    5.36
0.183   5.60    1.183   90.87  2.183   8.47    3.18    5.36
0.200   5.60    1.200   90.87  2.200   8.47    3.20    5.36
0.217   5.60    1.217   90.87  2.217   8.47    3.22    5.36
0.233   5.60    1.233   90.87  2.233   8.47    3.23    5.36
0.250   5.60    1.250   90.87  2.250   8.47    3.25    5.36
0.267   6.89    1.267   20.80  2.267   7.32    3.27    4.95
0.283   6.89    1.283   20.79  2.283   7.32    3.28    4.95
0.300   6.89    1.300   20.79  2.300   7.32    3.30    4.95
0.317   6.89    1.317   20.79  2.317   7.32    3.32    4.95
0.333   6.89    1.333   20.79  2.333   7.32    3.33    4.95
0.350   6.89    1.350   20.79  2.350   7.32    3.35    4.95
0.367   6.89    1.367   20.79  2.367   7.32    3.37    4.95
0.383   6.89    1.383   20.79  2.383   7.32    3.38    4.95
0.400   6.89    1.400   20.79  2.400   7.32    3.40    4.95
0.417   6.89    1.417   20.79  2.417   7.32    3.42    4.95
0.433   6.89    1.433   20.79  2.433   7.32    3.43    4.95
0.450   6.89    1.450   20.79  2.450   7.32    3.45    4.95
0.467   6.89    1.467   20.79  2.467   7.32    3.47    4.95
0.483   6.89    1.483   20.79  2.483   7.32    3.48    4.95
0.500   6.89    1.500   20.79  2.500   7.32    3.50    4.95
0.517   9.34    1.517   13.30  2.517   6.49    3.52    4.62
0.533   9.34    1.533   13.30  2.533   6.49    3.53    4.62
0.550   9.34    1.550   13.30  2.550   6.49    3.55    4.62
0.567   9.34    1.567   13.30  2.567   6.49    3.57    4.62
0.583   9.34    1.583   13.30  2.583   6.49    3.58    4.62
0.600   9.34    1.600   13.30  2.600   6.49    3.60    4.62
0.617   9.34    1.617   13.30  2.617   6.49    3.62    4.62
0.633   9.34    1.633   13.30  2.633   6.49    3.63    4.62
0.650   9.34    1.650   13.30  2.650   6.49    3.65    4.62
0.667   9.34    1.667   13.30  2.667   6.49    3.67    4.62
0.683   9.34    1.683   13.30  2.683   6.49    3.68    4.62
0.700   9.34    1.700   13.30  2.700   6.49    3.70    4.62
0.717   9.34    1.717   13.30  2.717   6.49    3.72    4.62
0.733   9.34    1.733   13.30  2.733   6.49    3.73    4.62
0.750   9.34    1.750   13.30  2.750   6.49    3.75    4.62
0.767   17.04    1.767   10.23  2.767   5.85    3.77    4.33
0.783   17.04    1.783   10.23  2.783   5.85    3.78    4.33
0.800   17.04    1.800   10.23  2.800   5.85    3.80    4.33
0.817   17.04    1.817   10.23  2.817   5.85    3.82    4.33
0.833   17.04    1.833   10.23  2.833   5.85    3.83    4.33
0.850   17.04    1.850   10.23  2.850   5.85    3.85    4.33
0.867   17.04    1.867   10.23  2.867   5.85    3.87    4.33
0.883   17.04    1.883   10.23  2.883   5.85    3.88    4.33
0.900   17.04    1.900   10.23  2.900   5.85    3.90    4.33
```

0.917	17.04	1.917	10.23	2.917	5.85	3.92	4.33
0.933	17.04	1.933	10.23	2.933	5.85	3.93	4.33
0.950	17.04	1.950	10.23	2.950	5.85	3.95	4.33
0.967	17.04	1.967	10.23	2.967	5.85	3.97	4.33
0.983	17.04	1.983	10.23	2.983	5.85	3.98	4.33
1.000	17.04	2.000	10.23	3.000	5.85	4.00	4.33

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.320 (i)
 TIME TO PEAK (hrs)= 1.700
 RUNOFF VOLUME (mm)= 12.482
 TOTAL RAINFALL (mm)= 55.362
 RUNOFF COEFFICIENT = 0.225

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	5.60	1.017	90.87	2.017	8.47	3.02	5.36
0.033	5.60	1.033	90.87	2.033	8.47	3.03	5.36
0.050	5.60	1.050	90.87	2.050	8.47	3.05	5.36
0.067	5.60	1.067	90.87	2.067	8.47	3.07	5.36
0.083	5.60	1.083	90.87	2.083	8.47	3.08	5.36
0.100	5.60	1.100	90.87	2.100	8.47	3.10	5.36
0.117	5.60	1.117	90.87	2.117	8.47	3.12	5.36
0.133	5.60	1.133	90.87	2.133	8.47	3.13	5.36
0.150	5.60	1.150	90.87	2.150	8.47	3.15	5.36
0.167	5.60	1.167	90.87	2.167	8.47	3.17	5.36
0.183	5.60	1.183	90.87	2.183	8.47	3.18	5.36
0.200	5.60	1.200	90.87	2.200	8.47	3.20	5.36
0.217	5.60	1.217	90.87	2.217	8.47	3.22	5.36
0.233	5.60	1.233	90.87	2.233	8.47	3.23	5.36
0.250	5.60	1.250	90.87	2.250	8.47	3.25	5.36
0.267	6.89	1.267	20.80	2.267	7.32	3.27	4.95
0.283	6.89	1.283	20.79	2.283	7.32	3.28	4.95
0.300	6.89	1.300	20.79	2.300	7.32	3.30	4.95
0.317	6.89	1.317	20.79	2.317	7.32	3.32	4.95
0.333	6.89	1.333	20.79	2.333	7.32	3.33	4.95
0.350	6.89	1.350	20.79	2.350	7.32	3.35	4.95
0.367	6.89	1.367	20.79	2.367	7.32	3.37	4.95
0.383	6.89	1.383	20.79	2.383	7.32	3.38	4.95
0.400	6.89	1.400	20.79	2.400	7.32	3.40	4.95
0.417	6.89	1.417	20.79	2.417	7.32	3.42	4.95
0.433	6.89	1.433	20.79	2.433	7.32	3.43	4.95
0.450	6.89	1.450	20.79	2.450	7.32	3.45	4.95
0.467	6.89	1.467	20.79	2.467	7.32	3.47	4.95
0.483	6.89	1.483	20.79	2.483	7.32	3.48	4.95
0.500	6.89	1.500	20.79	2.500	7.32	3.50	4.95
0.517	9.34	1.517	13.30	2.517	6.49	3.52	4.62
0.533	9.34	1.533	13.30	2.533	6.49	3.53	4.62
0.550	9.34	1.550	13.30	2.550	6.49	3.55	4.62
0.567	9.34	1.567	13.30	2.567	6.49	3.57	4.62
0.583	9.34	1.583	13.30	2.583	6.49	3.58	4.62
0.600	9.34	1.600	13.30	2.600	6.49	3.60	4.62
0.617	9.34	1.617	13.30	2.617	6.49	3.62	4.62
0.633	9.34	1.633	13.30	2.633	6.49	3.63	4.62
0.650	9.34	1.650	13.30	2.650	6.49	3.65	4.62
0.667	9.34	1.667	13.30	2.667	6.49	3.67	4.62
0.683	9.34	1.683	13.30	2.683	6.49	3.68	4.62
0.700	9.34	1.700	13.30	2.700	6.49	3.70	4.62
0.717	9.34	1.717	13.30	2.717	6.49	3.72	4.62
0.733	9.34	1.733	13.30	2.733	6.49	3.73	4.62
0.750	9.34	1.750	13.30	2.750	6.49	3.75	4.62
0.767	17.04	1.767	10.23	2.767	5.85	3.77	4.33
0.783	17.04	1.783	10.23	2.783	5.85	3.78	4.33
0.800	17.04	1.800	10.23	2.800	5.85	3.80	4.33
0.817	17.04	1.817	10.23	2.817	5.85	3.82	4.33
0.833	17.04	1.833	10.23	2.833	5.85	3.83	4.33
0.850	17.04	1.850	10.23	2.850	5.85	3.85	4.33
0.867	17.04	1.867	10.23	2.867	5.85	3.87	4.33
0.883	17.04	1.883	10.23	2.883	5.85	3.88	4.33
0.900	17.04	1.900	10.23	2.900	5.85	3.90	4.33

0.917	17.04	1.917	10.23	2.917	5.85	3.92	4.33
0.933	17.04	1.933	10.23	2.933	5.85	3.93	4.33
0.950	17.04	1.950	10.23	2.950	5.85	3.95	4.33
0.967	17.04	1.967	10.23	2.967	5.85	3.97	4.33
0.983	17.04	1.983	10.23	2.983	5.85	3.98	4.33
1.000	17.04	2.000	10.23	3.000	5.85	4.00	4.33

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.181 (i)
TIME TO PEAK (hrs)= 1.833
RUNOFF VOLUME (mm)= 8.974
TOTAL RAINFALL (mm)= 55.362
RUNOFF COEFFICIENT = 0.162

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB STANDHYD (0204) ID= 1 DT= 1.0 min	Area (ha)= 0.96 Total Imp(%)= 68.00	Dir. Conn.(%)= 47.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.65	0.31
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	5.60	1.017	90.87	2.017	8.47	3.02	5.36
0.033	5.60	1.033	90.87	2.033	8.47	3.03	5.36
0.050	5.60	1.050	90.87	2.050	8.47	3.05	5.36
0.067	5.60	1.067	90.87	2.067	8.47	3.07	5.36
0.083	5.60	1.083	90.87	2.083	8.47	3.08	5.36
0.100	5.60	1.100	90.87	2.100	8.47	3.10	5.36
0.117	5.60	1.117	90.87	2.117	8.47	3.12	5.36
0.133	5.60	1.133	90.87	2.133	8.47	3.13	5.36
0.150	5.60	1.150	90.87	2.150	8.47	3.15	5.36
0.167	5.60	1.167	90.87	2.167	8.47	3.17	5.36
0.183	5.60	1.183	90.87	2.183	8.47	3.18	5.36
0.200	5.60	1.200	90.87	2.200	8.47	3.20	5.36
0.217	5.60	1.217	90.87	2.217	8.47	3.22	5.36
0.233	5.60	1.233	90.87	2.233	8.47	3.23	5.36
0.250	5.60	1.250	90.87	2.250	8.47	3.25	5.36
0.267	6.89	1.267	20.80	2.267	7.32	3.27	4.95
0.283	6.89	1.283	20.79	2.283	7.32	3.28	4.95
0.300	6.89	1.300	20.79	2.300	7.32	3.30	4.95
0.317	6.89	1.317	20.79	2.317	7.32	3.32	4.95
0.333	6.89	1.333	20.79	2.333	7.32	3.33	4.95
0.350	6.89	1.350	20.79	2.350	7.32	3.35	4.95
0.367	6.89	1.367	20.79	2.367	7.32	3.37	4.95
0.383	6.89	1.383	20.79	2.383	7.32	3.38	4.95
0.400	6.89	1.400	20.79	2.400	7.32	3.40	4.95
0.417	6.89	1.417	20.79	2.417	7.32	3.42	4.95
0.433	6.89	1.433	20.79	2.433	7.32	3.43	4.95
0.450	6.89	1.450	20.79	2.450	7.32	3.45	4.95
0.467	6.89	1.467	20.79	2.467	7.32	3.47	4.95
0.483	6.89	1.483	20.79	2.483	7.32	3.48	4.95
0.500	6.89	1.500	20.79	2.500	7.32	3.50	4.95
0.517	9.34	1.517	13.30	2.517	6.49	3.52	4.62
0.533	9.34	1.533	13.30	2.533	6.49	3.53	4.62
0.550	9.34	1.550	13.30	2.550	6.49	3.55	4.62
0.567	9.34	1.567	13.30	2.567	6.49	3.57	4.62
0.583	9.34	1.583	13.30	2.583	6.49	3.58	4.62
0.600	9.34	1.600	13.30	2.600	6.49	3.60	4.62
0.617	9.34	1.617	13.30	2.617	6.49	3.62	4.62
0.633	9.34	1.633	13.30	2.633	6.49	3.63	4.62
0.650	9.34	1.650	13.30	2.650	6.49	3.65	4.62
0.667	9.34	1.667	13.30	2.667	6.49	3.67	4.62
0.683	9.34	1.683	13.30	2.683	6.49	3.68	4.62
0.700	9.34	1.700	13.30	2.700	6.49	3.70	4.62
0.717	9.34	1.717	13.30	2.717	6.49	3.72	4.62
0.733	9.34	1.733	13.30	2.733	6.49	3.73	4.62
0.750	9.34	1.750	13.30	2.750	6.49	3.75	4.62
0.767	17.04	1.767	10.23	2.767	5.85	3.77	4.33
0.783	17.04	1.783	10.23	2.783	5.85	3.78	4.33
0.800	17.04	1.800	10.23	2.800	5.85	3.80	4.33

0.817	17.04	1.817	10.23	2.817	5.85	3.82	4.33
0.833	17.04	1.833	10.23	2.833	5.85	3.83	4.33
0.850	17.04	1.850	10.23	2.850	5.85	3.85	4.33
0.867	17.04	1.867	10.23	2.867	5.85	3.87	4.33
0.883	17.04	1.883	10.23	2.883	5.85	3.88	4.33
0.900	17.04	1.900	10.23	2.900	5.85	3.90	4.33
0.917	17.04	1.917	10.23	2.917	5.85	3.92	4.33
0.933	17.04	1.933	10.23	2.933	5.85	3.93	4.33
0.950	17.04	1.950	10.23	2.950	5.85	3.95	4.33
0.967	17.04	1.967	10.23	2.967	5.85	3.97	4.33
0.983	17.04	1.983	10.23	2.983	5.85	3.98	4.33
1.000	17.04	2.000	10.23	3.000	5.85	4.00	4.33

Max.Eff.Inten.(mm/hr)= 90.87 39.76
over (min) 5.00 12.00
Storage Coeff. (min)= 4.79 (ii) 11.08 (ii)
Unit Hyd. Tpeak (min)= 5.00 12.00
Unit Hyd. peak (cms)= 0.23 0.10

TOTALS
0.121 (iii)
1.27
33.01
55.36
0.60

PEAK FLOW (cms)= 0.11 0.02
TIME TO PEAK (hrs)= 1.25 1.38
RUNOFF VOLUME (mm)= 53.36 14.97
TOTAL RAINFALL (mm)= 55.36 55.36
RUNOFF COEFFICIENT = 0.96 0.27

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3				
		AREA	QPEAK	TPEAK
		(ha)	(cms)	(hrs)
				R.V.
				(mm)
ID1= 1 (0204):		0.96	0.121	1.27
+ ID2= 2 (0205):		14.50	0.181	1.83
				8.97
ID = 3 (0017):		15.46	0.207	1.78
				10.47

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1				
		AREA	QPEAK	TPEAK
		(ha)	(cms)	(hrs)
				R.V.
				(mm)
ID1= 3 (0017):		15.46	0.207	1.78
+ ID2= 2 (0087):		15.86	0.320	1.70
				12.48
ID = 1 (0017):		31.32	0.525	1.73
				11.49

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB			
STANDHYD (0012)			
ID= 1 DT= 1.0 min			
Area (ha)=		1.18	
Total Imp(%)=		22.00	Dir. Conn.(%)= 22.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.26	0.92
Dep. Storage	(mm)=	2.00	4.60
Average slope	(%)=	1.00	2.00
Length	(m)=	88.84	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	5.60	1.017	90.87	2.017	8.47	3.02	5.36
0.033	5.60	1.033	90.87	2.033	8.47	3.03	5.36
0.050	5.60	1.050	90.87	2.050	8.47	3.05	5.36
0.067	5.60	1.067	90.87	2.067	8.47	3.07	5.36
0.083	5.60	1.083	90.87	2.083	8.47	3.08	5.36
0.100	5.60	1.100	90.87	2.100	8.47	3.10	5.36
0.117	5.60	1.117	90.87	2.117	8.47	3.12	5.36
0.133	5.60	1.133	90.87	2.133	8.47	3.13	5.36
0.150	5.60	1.150	90.87	2.150	8.47	3.15	5.36

0.167	5.60	1.167	90.87	2.167	8.47	3.17	5.36
0.183	5.60	1.183	90.87	2.183	8.47	3.18	5.36
0.200	5.60	1.200	90.87	2.200	8.47	3.20	5.36
0.217	5.60	1.217	90.87	2.217	8.47	3.22	5.36
0.233	5.60	1.233	90.87	2.233	8.47	3.23	5.36
0.250	5.60	1.250	90.87	2.250	8.47	3.25	5.36
0.267	6.89	1.267	20.80	2.267	7.32	3.27	4.95
0.283	6.89	1.283	20.79	2.283	7.32	3.28	4.95
0.300	6.89	1.300	20.79	2.300	7.32	3.30	4.95
0.317	6.89	1.317	20.79	2.317	7.32	3.32	4.95
0.333	6.89	1.333	20.79	2.333	7.32	3.33	4.95
0.350	6.89	1.350	20.79	2.350	7.32	3.35	4.95
0.367	6.89	1.367	20.79	2.367	7.32	3.37	4.95
0.383	6.89	1.383	20.79	2.383	7.32	3.38	4.95
0.400	6.89	1.400	20.79	2.400	7.32	3.40	4.95
0.417	6.89	1.417	20.79	2.417	7.32	3.42	4.95
0.433	6.89	1.433	20.79	2.433	7.32	3.43	4.95
0.450	6.89	1.450	20.79	2.450	7.32	3.45	4.95
0.467	6.89	1.467	20.79	2.467	7.32	3.47	4.95
0.483	6.89	1.483	20.79	2.483	7.32	3.48	4.95
0.500	6.89	1.500	20.79	2.500	7.32	3.50	4.95
0.517	9.34	1.517	13.30	2.517	6.49	3.52	4.62
0.533	9.34	1.533	13.30	2.533	6.49	3.53	4.62
0.550	9.34	1.550	13.30	2.550	6.49	3.55	4.62
0.567	9.34	1.567	13.30	2.567	6.49	3.57	4.62
0.583	9.34	1.583	13.30	2.583	6.49	3.58	4.62
0.600	9.34	1.600	13.30	2.600	6.49	3.60	4.62
0.617	9.34	1.617	13.30	2.617	6.49	3.62	4.62
0.633	9.34	1.633	13.30	2.633	6.49	3.63	4.62
0.650	9.34	1.650	13.30	2.650	6.49	3.65	4.62
0.667	9.34	1.667	13.30	2.667	6.49	3.67	4.62
0.683	9.34	1.683	13.30	2.683	6.49	3.68	4.62
0.700	9.34	1.700	13.30	2.700	6.49	3.70	4.62
0.717	9.34	1.717	13.30	2.717	6.49	3.72	4.62
0.733	9.34	1.733	13.30	2.733	6.49	3.73	4.62
0.750	9.34	1.750	13.30	2.750	6.49	3.75	4.62
0.767	17.04	1.767	10.23	2.767	5.85	3.77	4.33
0.783	17.04	1.783	10.23	2.783	5.85	3.78	4.33
0.800	17.04	1.800	10.23	2.800	5.85	3.80	4.33
0.817	17.04	1.817	10.23	2.817	5.85	3.82	4.33
0.833	17.04	1.833	10.23	2.833	5.85	3.83	4.33
0.850	17.04	1.850	10.23	2.850	5.85	3.85	4.33
0.867	17.04	1.867	10.23	2.867	5.85	3.87	4.33
0.883	17.04	1.883	10.23	2.883	5.85	3.88	4.33
0.900	17.04	1.900	10.23	2.900	5.85	3.90	4.33
0.917	17.04	1.917	10.23	2.917	5.85	3.92	4.33
0.933	17.04	1.933	10.23	2.933	5.85	3.93	4.33
0.950	17.04	1.950	10.23	2.950	5.85	3.95	4.33
0.967	17.04	1.967	10.23	2.967	5.85	3.97	4.33
0.983	17.04	1.983	10.23	2.983	5.85	3.98	4.33
1.000	17.04	2.000	10.23	3.000	5.85	4.00	4.33

Max.Eff.Inten.(mm/hr)=	90.87	11.31	
over (min)	5.00	20.00	
Storage Coeff. (min)=	2.47 (ii)	19.35 (ii)	
Unit Hyd. Tpeak (min)=	5.00	20.00	
Unit Hyd. peak (cms)=	0.34	0.06	
			TOTALS
PEAK FLOW (cms)=	0.07	0.02	0.071 (iii)
TIME TO PEAK (hrs)=	1.25	1.53	1.25
RUNOFF VOLUME (mm)=	53.36	9.65	19.25
TOTAL RAINFALL (mm)=	55.36	55.36	55.36
RUNOFF COEFFICIENT =	0.96	0.17	0.35

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
STANDHYD (0203)	Area (ha)=	17.16	
ID= 1 DT= 1.0 min	Total Imp(%)=	42.00	Dir. Conn.(%)= 30.00
	IMPERVIOUS	PERVIOUS (i)	
Surface Area (ha)=	7.21	9.95	
Dep. Storage (mm)=	2.00	5.00	
Average Slope (%)=	1.00	2.00	
Length (m)=	267.45	40.00	
Mannings n =	0.013	0.250	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	5.60	1.017	90.87	2.017	8.47	3.02	5.36
0.033	5.60	1.033	90.87	2.033	8.47	3.03	5.36
0.050	5.60	1.050	90.87	2.050	8.47	3.05	5.36
0.067	5.60	1.067	90.87	2.067	8.47	3.07	5.36
0.083	5.60	1.083	90.87	2.083	8.47	3.08	5.36
0.100	5.60	1.100	90.87	2.100	8.47	3.10	5.36
0.117	5.60	1.117	90.87	2.117	8.47	3.12	5.36
0.133	5.60	1.133	90.87	2.133	8.47	3.13	5.36
0.150	5.60	1.150	90.87	2.150	8.47	3.15	5.36
0.167	5.60	1.167	90.87	2.167	8.47	3.17	5.36
0.183	5.60	1.183	90.87	2.183	8.47	3.18	5.36
0.200	5.60	1.200	90.87	2.200	8.47	3.20	5.36
0.217	5.60	1.217	90.87	2.217	8.47	3.22	5.36
0.233	5.60	1.233	90.87	2.233	8.47	3.23	5.36
0.250	5.60	1.250	90.87	2.250	8.47	3.25	5.36
0.267	6.89	1.267	20.80	2.267	7.32	3.27	4.95
0.283	6.89	1.283	20.79	2.283	7.32	3.28	4.95
0.300	6.89	1.300	20.79	2.300	7.32	3.30	4.95
0.317	6.89	1.317	20.79	2.317	7.32	3.32	4.95
0.333	6.89	1.333	20.79	2.333	7.32	3.33	4.95
0.350	6.89	1.350	20.79	2.350	7.32	3.35	4.95
0.367	6.89	1.367	20.79	2.367	7.32	3.37	4.95
0.383	6.89	1.383	20.79	2.383	7.32	3.38	4.95
0.400	6.89	1.400	20.79	2.400	7.32	3.40	4.95
0.417	6.89	1.417	20.79	2.417	7.32	3.42	4.95
0.433	6.89	1.433	20.79	2.433	7.32	3.43	4.95
0.450	6.89	1.450	20.79	2.450	7.32	3.45	4.95
0.467	6.89	1.467	20.79	2.467	7.32	3.47	4.95
0.483	6.89	1.483	20.79	2.483	7.32	3.48	4.95
0.500	6.89	1.500	20.79	2.500	7.32	3.50	4.95
0.517	9.34	1.517	13.30	2.517	6.49	3.52	4.62
0.533	9.34	1.533	13.30	2.533	6.49	3.53	4.62
0.550	9.34	1.550	13.30	2.550	6.49	3.55	4.62
0.567	9.34	1.567	13.30	2.567	6.49	3.57	4.62
0.583	9.34	1.583	13.30	2.583	6.49	3.58	4.62
0.600	9.34	1.600	13.30	2.600	6.49	3.60	4.62
0.617	9.34	1.617	13.30	2.617	6.49	3.62	4.62
0.633	9.34	1.633	13.30	2.633	6.49	3.63	4.62
0.650	9.34	1.650	13.30	2.650	6.49	3.65	4.62
0.667	9.34	1.667	13.30	2.667	6.49	3.67	4.62
0.683	9.34	1.683	13.30	2.683	6.49	3.68	4.62
0.700	9.34	1.700	13.30	2.700	6.49	3.70	4.62
0.717	9.34	1.717	13.30	2.717	6.49	3.72	4.62
0.733	9.34	1.733	13.30	2.733	6.49	3.73	4.62
0.750	9.34	1.750	13.30	2.750	6.49	3.75	4.62
0.767	17.04	1.767	10.23	2.767	5.85	3.77	4.33
0.783	17.04	1.783	10.23	2.783	5.85	3.78	4.33
0.800	17.04	1.800	10.23	2.800	5.85	3.80	4.33
0.817	17.04	1.817	10.23	2.817	5.85	3.82	4.33
0.833	17.04	1.833	10.23	2.833	5.85	3.83	4.33
0.850	17.04	1.850	10.23	2.850	5.85	3.85	4.33
0.867	17.04	1.867	10.23	2.867	5.85	3.87	4.33
0.883	17.04	1.883	10.23	2.883	5.85	3.88	4.33
0.900	17.04	1.900	10.23	2.900	5.85	3.90	4.33
0.917	17.04	1.917	10.23	2.917	5.85	3.92	4.33
0.933	17.04	1.933	10.23	2.933	5.85	3.93	4.33
0.950	17.04	1.950	10.23	2.950	5.85	3.95	4.33
0.967	17.04	1.967	10.23	2.967	5.85	3.97	4.33
0.983	17.04	1.983	10.23	2.983	5.85	3.98	4.33
1.000	17.04	2.000	10.23	3.000	5.85	4.00	4.33

Max.Eff.Inten.(mm/hr)= 90.87 18.55
over (min) 5.00 19.00
Storage Coeff. (min)= 4.79 (ii) 18.64 (ii)
Unit Hyd. Tpeak (min)= 5.00 19.00
Unit Hyd. peak (cms)= 0.23 0.06

TOTALS

PEAK FLOW (cms)= 1.22 0.27 1.323 (iii)
TIME TO PEAK (hrs)= 1.25 1.52 1.27
RUNOFF VOLUME (mm)= 53.36 11.38 23.98
TOTAL RAINFALL (mm)= 55.36 55.36 55.36
RUNOFF COEFFICIENT = 0.96 0.21 0.43

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.

(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)					
1 + 2 = 3					
		AREA	QPEAK	TPEAK	R.V.
		(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0012):		1.18	0.071	1.25	19.25
+ ID2= 2 (0203):		17.16	1.323	1.27	23.98
=====					
ID = 3 (0082):		18.34	1.392	1.27	23.67

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)		OVERFLOW IS OFF			
IN= 2---> OUT= 1					
DT= 5.0 min					
-----		OUTFLOW	STORAGE	OUTFLOW	STORAGE
		(cms)	(ha.m.)	(cms)	(ha.m.)
		0.0000	0.0000	0.0940	0.3600
		0.0120	0.2100	0.1210	0.4000
		0.0550	0.2600	0.1500	0.4500
		0.0620	0.3000	0.3000	0.7210
		=====			
	AREA	QPEAK	TPEAK	R.V.	
	(ha)	(cms)	(hrs)	(mm)	
INFLOW : ID= 2 (0082)	18.340	1.392	1.27	23.67	
OUTFLOW: ID= 1 (0002)	18.340	0.093	4.10	16.09	

PEAK FLOW REDUCTION [Qout/Qin](%)= 6.65
TIME SHIFT OF PEAK FLOW (min)=170.00
MAXIMUM STORAGE USED (ha.m.)= 0.3572

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)					
1 + 2 = 3					
		AREA	QPEAK	TPEAK	R.V.
		(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0017):		31.32	0.525	1.73	11.49
+ ID2= 2 (0002):		18.34	0.093	4.10	16.09
=====					
ID = 3 (0089):		49.66	0.567	1.78	13.19

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:1.5 Chicago 4hr 50yr **

CALIB					
NASHYD (0087)					
ID= 1 DT= 1.0 min					
	Area	(ha)=	15.86	Curve Number	(CN)= 62.0
	Ia	(mm)=	4.60	# of Linear Res.(N)=	3.00
	U.H. Tp	(hrs)=	0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.20	1.017	100.60	2.017	9.38	3.02	5.93
0.033	6.20	1.033	100.60	2.033	9.38	3.03	5.93
0.050	6.20	1.050	100.60	2.050	9.38	3.05	5.93
0.067	6.20	1.067	100.60	2.067	9.38	3.07	5.93
0.083	6.20	1.083	100.60	2.083	9.38	3.08	5.93
0.100	6.20	1.100	100.60	2.100	9.38	3.10	5.93
0.117	6.20	1.117	100.60	2.117	9.38	3.12	5.93
0.133	6.20	1.133	100.60	2.133	9.38	3.13	5.93
0.150	6.20	1.150	100.60	2.150	9.38	3.15	5.93
0.167	6.20	1.167	100.60	2.167	9.38	3.17	5.93
0.183	6.20	1.183	100.60	2.183	9.38	3.18	5.93
0.200	6.20	1.200	100.60	2.200	9.38	3.20	5.93
0.217	6.20	1.217	100.60	2.217	9.38	3.22	5.93
0.233	6.20	1.233	100.60	2.233	9.38	3.23	5.93
0.250	6.20	1.250	100.60	2.250	9.38	3.25	5.93
0.267	7.63	1.267	23.02	2.267	8.10	3.27	5.48
0.283	7.63	1.283	23.02	2.283	8.10	3.28	5.48
0.300	7.63	1.300	23.02	2.300	8.10	3.30	5.48
0.317	7.63	1.317	23.02	2.317	8.10	3.32	5.48
0.333	7.63	1.333	23.02	2.333	8.10	3.33	5.48
0.350	7.63	1.350	23.02	2.350	8.10	3.35	5.48

0.367	7.63	1.367	23.02	2.367	8.10	3.37	5.48
0.383	7.63	1.383	23.02	2.383	8.10	3.38	5.48
0.400	7.63	1.400	23.02	2.400	8.10	3.40	5.48
0.417	7.63	1.417	23.02	2.417	8.10	3.42	5.48
0.433	7.63	1.433	23.02	2.433	8.10	3.43	5.48
0.450	7.63	1.450	23.02	2.450	8.10	3.45	5.48
0.467	7.63	1.467	23.02	2.467	8.10	3.47	5.48
0.483	7.63	1.483	23.02	2.483	8.10	3.48	5.48
0.500	7.63	1.500	23.02	2.500	8.10	3.50	5.48
0.517	10.34	1.517	14.72	2.517	7.18	3.52	5.11
0.533	10.34	1.533	14.72	2.533	7.18	3.53	5.11
0.550	10.34	1.550	14.72	2.550	7.18	3.55	5.11
0.567	10.34	1.567	14.72	2.567	7.18	3.57	5.11
0.583	10.34	1.583	14.72	2.583	7.18	3.58	5.11
0.600	10.34	1.600	14.72	2.600	7.18	3.60	5.11
0.617	10.34	1.617	14.72	2.617	7.18	3.62	5.11
0.633	10.34	1.633	14.72	2.633	7.18	3.63	5.11
0.650	10.34	1.650	14.72	2.650	7.18	3.65	5.11
0.667	10.34	1.667	14.72	2.667	7.18	3.67	5.11
0.683	10.34	1.683	14.72	2.683	7.18	3.68	5.11
0.700	10.34	1.700	14.72	2.700	7.18	3.70	5.11
0.717	10.34	1.717	14.72	2.717	7.18	3.72	5.11
0.733	10.34	1.733	14.72	2.733	7.18	3.73	5.11
0.750	10.34	1.750	14.72	2.750	7.18	3.75	5.11
0.767	18.86	1.767	11.32	2.767	6.48	3.77	4.80
0.783	18.86	1.783	11.32	2.783	6.48	3.78	4.80
0.800	18.86	1.800	11.32	2.800	6.48	3.80	4.80
0.817	18.86	1.817	11.32	2.817	6.48	3.82	4.80
0.833	18.86	1.833	11.32	2.833	6.48	3.83	4.80
0.850	18.86	1.850	11.32	2.850	6.48	3.85	4.80
0.867	18.86	1.867	11.32	2.867	6.48	3.87	4.80
0.883	18.86	1.883	11.32	2.883	6.48	3.88	4.80
0.900	18.86	1.900	11.32	2.900	6.48	3.90	4.80
0.917	18.86	1.917	11.32	2.917	6.48	3.92	4.80
0.933	18.86	1.933	11.32	2.933	6.48	3.93	4.80
0.950	18.86	1.950	11.32	2.950	6.48	3.95	4.80
0.967	18.86	1.967	11.32	2.967	6.48	3.97	4.80
0.983	18.86	1.983	11.32	2.983	6.48	3.98	4.80
1.000	18.86	2.000	11.32	3.000	6.48	4.00	4.80

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.392 (i)
TIME TO PEAK (hrs)= 1.683
RUNOFF VOLUME (mm)= 15.132
TOTAL RAINFALL (mm)= 61.288
RUNOFF COEFFICIENT = 0.247

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.20	1.017	100.60	2.017	9.38	3.02	5.93
0.033	6.20	1.033	100.60	2.033	9.38	3.03	5.93
0.050	6.20	1.050	100.60	2.050	9.38	3.05	5.93
0.067	6.20	1.067	100.60	2.067	9.38	3.07	5.93
0.083	6.20	1.083	100.60	2.083	9.38	3.08	5.93
0.100	6.20	1.100	100.60	2.100	9.38	3.10	5.93
0.117	6.20	1.117	100.60	2.117	9.38	3.12	5.93
0.133	6.20	1.133	100.60	2.133	9.38	3.13	5.93
0.150	6.20	1.150	100.60	2.150	9.38	3.15	5.93
0.167	6.20	1.167	100.60	2.167	9.38	3.17	5.93
0.183	6.20	1.183	100.60	2.183	9.38	3.18	5.93
0.200	6.20	1.200	100.60	2.200	9.38	3.20	5.93
0.217	6.20	1.217	100.60	2.217	9.38	3.22	5.93
0.233	6.20	1.233	100.60	2.233	9.38	3.23	5.93
0.250	6.20	1.250	100.60	2.250	9.38	3.25	5.93
0.267	7.63	1.267	23.02	2.267	8.10	3.27	5.48
0.283	7.63	1.283	23.02	2.283	8.10	3.28	5.48
0.300	7.63	1.300	23.02	2.300	8.10	3.30	5.48
0.317	7.63	1.317	23.02	2.317	8.10	3.32	5.48
0.333	7.63	1.333	23.02	2.333	8.10	3.33	5.48
0.350	7.63	1.350	23.02	2.350	8.10	3.35	5.48

0.367	7.63	1.367	23.02	2.367	8.10	3.37	5.48
0.383	7.63	1.383	23.02	2.383	8.10	3.38	5.48
0.400	7.63	1.400	23.02	2.400	8.10	3.40	5.48
0.417	7.63	1.417	23.02	2.417	8.10	3.42	5.48
0.433	7.63	1.433	23.02	2.433	8.10	3.43	5.48
0.450	7.63	1.450	23.02	2.450	8.10	3.45	5.48
0.467	7.63	1.467	23.02	2.467	8.10	3.47	5.48
0.483	7.63	1.483	23.02	2.483	8.10	3.48	5.48
0.500	7.63	1.500	23.02	2.500	8.10	3.50	5.48
0.517	10.34	1.517	14.72	2.517	7.18	3.52	5.11
0.533	10.34	1.533	14.72	2.533	7.18	3.53	5.11
0.550	10.34	1.550	14.72	2.550	7.18	3.55	5.11
0.567	10.34	1.567	14.72	2.567	7.18	3.57	5.11
0.583	10.34	1.583	14.72	2.583	7.18	3.58	5.11
0.600	10.34	1.600	14.72	2.600	7.18	3.60	5.11
0.617	10.34	1.617	14.72	2.617	7.18	3.62	5.11
0.633	10.34	1.633	14.72	2.633	7.18	3.63	5.11
0.650	10.34	1.650	14.72	2.650	7.18	3.65	5.11
0.667	10.34	1.667	14.72	2.667	7.18	3.67	5.11
0.683	10.34	1.683	14.72	2.683	7.18	3.68	5.11
0.700	10.34	1.700	14.72	2.700	7.18	3.70	5.11
0.717	10.34	1.717	14.72	2.717	7.18	3.72	5.11
0.733	10.34	1.733	14.72	2.733	7.18	3.73	5.11
0.750	10.34	1.750	14.72	2.750	7.18	3.75	5.11
0.767	18.86	1.767	11.32	2.767	6.48	3.77	4.80
0.783	18.86	1.783	11.32	2.783	6.48	3.78	4.80
0.800	18.86	1.800	11.32	2.800	6.48	3.80	4.80
0.817	18.86	1.817	11.32	2.817	6.48	3.82	4.80
0.833	18.86	1.833	11.32	2.833	6.48	3.83	4.80
0.850	18.86	1.850	11.32	2.850	6.48	3.85	4.80
0.867	18.86	1.867	11.32	2.867	6.48	3.87	4.80
0.883	18.86	1.883	11.32	2.883	6.48	3.88	4.80
0.900	18.86	1.900	11.32	2.900	6.48	3.90	4.80
0.917	18.86	1.917	11.32	2.917	6.48	3.92	4.80
0.933	18.86	1.933	11.32	2.933	6.48	3.93	4.80
0.950	18.86	1.950	11.32	2.950	6.48	3.95	4.80
0.967	18.86	1.967	11.32	2.967	6.48	3.97	4.80
0.983	18.86	1.983	11.32	2.983	6.48	3.98	4.80
1.000	18.86	2.000	11.32	3.000	6.48	4.00	4.80

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.231 (i)
TIME TO PEAK (hrs)= 1.817
RUNOFF VOLUME (mm)= 11.183
TOTAL RAINFALL (mm)= 61.288
RUNOFF COEFFICIENT = 0.182

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB	
STANDHYD (0204)	
ID= 1 DT= 1.0 min	
Area (ha)= 0.96	
Total Imp(%)= 68.00	Dir. Conn.(%)= 47.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.65	0.31
Dep. Storage	(mm)=	2.00	5.00
Average slope	(%)=	1.00	2.00
Length	(m)=	267.45	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.20	1.017	100.60	2.017	9.38	3.02	5.93
0.033	6.20	1.033	100.60	2.033	9.38	3.03	5.93
0.050	6.20	1.050	100.60	2.050	9.38	3.05	5.93
0.067	6.20	1.067	100.60	2.067	9.38	3.07	5.93
0.083	6.20	1.083	100.60	2.083	9.38	3.08	5.93
0.100	6.20	1.100	100.60	2.100	9.38	3.10	5.93
0.117	6.20	1.117	100.60	2.117	9.38	3.12	5.93
0.133	6.20	1.133	100.60	2.133	9.38	3.13	5.93
0.150	6.20	1.150	100.60	2.150	9.38	3.15	5.93
0.167	6.20	1.167	100.60	2.167	9.38	3.17	5.93
0.183	6.20	1.183	100.60	2.183	9.38	3.18	5.93
0.200	6.20	1.200	100.60	2.200	9.38	3.20	5.93
0.217	6.20	1.217	100.60	2.217	9.38	3.22	5.93
0.233	6.20	1.233	100.60	2.233	9.38	3.23	5.93
0.250	6.20	1.250	100.60	2.250	9.38	3.25	5.93

0.267	7.63	1.267	23.02	2.267	8.10	3.27	5.48
0.283	7.63	1.283	23.02	2.283	8.10	3.28	5.48
0.300	7.63	1.300	23.02	2.300	8.10	3.30	5.48
0.317	7.63	1.317	23.02	2.317	8.10	3.32	5.48
0.333	7.63	1.333	23.02	2.333	8.10	3.33	5.48
0.350	7.63	1.350	23.02	2.350	8.10	3.35	5.48
0.367	7.63	1.367	23.02	2.367	8.10	3.37	5.48
0.383	7.63	1.383	23.02	2.383	8.10	3.38	5.48
0.400	7.63	1.400	23.02	2.400	8.10	3.40	5.48
0.417	7.63	1.417	23.02	2.417	8.10	3.42	5.48
0.433	7.63	1.433	23.02	2.433	8.10	3.43	5.48
0.450	7.63	1.450	23.02	2.450	8.10	3.45	5.48
0.467	7.63	1.467	23.02	2.467	8.10	3.47	5.48
0.483	7.63	1.483	23.02	2.483	8.10	3.48	5.48
0.500	7.63	1.500	23.02	2.500	8.10	3.50	5.48
0.517	10.34	1.517	14.72	2.517	7.18	3.52	5.11
0.533	10.34	1.533	14.72	2.533	7.18	3.53	5.11
0.550	10.34	1.550	14.72	2.550	7.18	3.55	5.11
0.567	10.34	1.567	14.72	2.567	7.18	3.57	5.11
0.583	10.34	1.583	14.72	2.583	7.18	3.58	5.11
0.600	10.34	1.600	14.72	2.600	7.18	3.60	5.11
0.617	10.34	1.617	14.72	2.617	7.18	3.62	5.11
0.633	10.34	1.633	14.72	2.633	7.18	3.63	5.11
0.650	10.34	1.650	14.72	2.650	7.18	3.65	5.11
0.667	10.34	1.667	14.72	2.667	7.18	3.67	5.11
0.683	10.34	1.683	14.72	2.683	7.18	3.68	5.11
0.700	10.34	1.700	14.72	2.700	7.18	3.70	5.11
0.717	10.34	1.717	14.72	2.717	7.18	3.72	5.11
0.733	10.34	1.733	14.72	2.733	7.18	3.73	5.11
0.750	10.34	1.750	14.72	2.750	7.18	3.75	5.11
0.767	18.86	1.767	11.32	2.767	6.48	3.77	4.80
0.783	18.86	1.783	11.32	2.783	6.48	3.78	4.80
0.800	18.86	1.800	11.32	2.800	6.48	3.80	4.80
0.817	18.86	1.817	11.32	2.817	6.48	3.82	4.80
0.833	18.86	1.833	11.32	2.833	6.48	3.83	4.80
0.850	18.86	1.850	11.32	2.850	6.48	3.85	4.80
0.867	18.86	1.867	11.32	2.867	6.48	3.87	4.80
0.883	18.86	1.883	11.32	2.883	6.48	3.88	4.80
0.900	18.86	1.900	11.32	2.900	6.48	3.90	4.80
0.917	18.86	1.917	11.32	2.917	6.48	3.92	4.80
0.933	18.86	1.933	11.32	2.933	6.48	3.93	4.80
0.950	18.86	1.950	11.32	2.950	6.48	3.95	4.80
0.967	18.86	1.967	11.32	2.967	6.48	3.97	4.80
0.983	18.86	1.983	11.32	2.983	6.48	3.98	4.80
1.000	18.86	2.000	11.32	3.000	6.48	4.00	4.80

Max.Eff.Inten.(mm/hr)=	100.60	48.13	
over (min)	5.00	11.00	
Storage Coeff. (min)=	4.60 (ii)	10.64 (ii)	
Unit Hyd. Tpeak (min)=	5.00	11.00	
Unit Hyd. peak (cms)=	0.24	0.11	
			TOTALS
PEAK FLOW (cms)=	0.12	0.03	0.138 (iii)
TIME TO PEAK (hrs)=	1.25	1.37	1.27
RUNOFF VOLUME (mm)=	59.29	17.97	37.39
TOTAL RAINFALL (mm)=	61.29	61.29	61.29
RUNOFF COEFFICIENT =	0.97	0.29	0.61

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3				
ID1= 1 (0204):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
	0.96	0.138	1.27	37.39
+ ID2= 2 (0205):	14.50	0.231	1.82	11.18
ID = 3 (0017):	15.46	0.261	1.77	12.81

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1				
ID1= 3 (0017):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
	15.46	0.261	1.77	12.81

+ ID2= 2 (0087):	15.86	0.392	1.68	15.13
=====				
ID = 1 (0017):	31.32	0.651	1.72	13.99

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB STANDHYD (0012) ID= 1 DT= 1.0 min	Area (ha)= 1.18 Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	4.60
Average Slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.20	1.017	100.60	2.017	9.38	3.02	5.93
0.033	6.20	1.033	100.60	2.033	9.38	3.03	5.93
0.050	6.20	1.050	100.60	2.050	9.38	3.05	5.93
0.067	6.20	1.067	100.60	2.067	9.38	3.07	5.93
0.083	6.20	1.083	100.60	2.083	9.38	3.08	5.93
0.100	6.20	1.100	100.60	2.100	9.38	3.10	5.93
0.117	6.20	1.117	100.60	2.117	9.38	3.12	5.93
0.133	6.20	1.133	100.60	2.133	9.38	3.13	5.93
0.150	6.20	1.150	100.60	2.150	9.38	3.15	5.93
0.167	6.20	1.167	100.60	2.167	9.38	3.17	5.93
0.183	6.20	1.183	100.60	2.183	9.38	3.18	5.93
0.200	6.20	1.200	100.60	2.200	9.38	3.20	5.93
0.217	6.20	1.217	100.60	2.217	9.38	3.22	5.93
0.233	6.20	1.233	100.60	2.233	9.38	3.23	5.93
0.250	6.20	1.250	100.60	2.250	9.38	3.25	5.93
0.267	7.63	1.267	23.02	2.267	8.10	3.27	5.48
0.283	7.63	1.283	23.02	2.283	8.10	3.28	5.48
0.300	7.63	1.300	23.02	2.300	8.10	3.30	5.48
0.317	7.63	1.317	23.02	2.317	8.10	3.32	5.48
0.333	7.63	1.333	23.02	2.333	8.10	3.33	5.48
0.350	7.63	1.350	23.02	2.350	8.10	3.35	5.48
0.367	7.63	1.367	23.02	2.367	8.10	3.37	5.48
0.383	7.63	1.383	23.02	2.383	8.10	3.38	5.48
0.400	7.63	1.400	23.02	2.400	8.10	3.40	5.48
0.417	7.63	1.417	23.02	2.417	8.10	3.42	5.48
0.433	7.63	1.433	23.02	2.433	8.10	3.43	5.48
0.450	7.63	1.450	23.02	2.450	8.10	3.45	5.48
0.467	7.63	1.467	23.02	2.467	8.10	3.47	5.48
0.483	7.63	1.483	23.02	2.483	8.10	3.48	5.48
0.500	7.63	1.500	23.02	2.500	8.10	3.50	5.48
0.517	10.34	1.517	14.72	2.517	7.18	3.52	5.11
0.533	10.34	1.533	14.72	2.533	7.18	3.53	5.11
0.550	10.34	1.550	14.72	2.550	7.18	3.55	5.11
0.567	10.34	1.567	14.72	2.567	7.18	3.57	5.11
0.583	10.34	1.583	14.72	2.583	7.18	3.58	5.11
0.600	10.34	1.600	14.72	2.600	7.18	3.60	5.11
0.617	10.34	1.617	14.72	2.617	7.18	3.62	5.11
0.633	10.34	1.633	14.72	2.633	7.18	3.63	5.11
0.650	10.34	1.650	14.72	2.650	7.18	3.65	5.11
0.667	10.34	1.667	14.72	2.667	7.18	3.67	5.11
0.683	10.34	1.683	14.72	2.683	7.18	3.68	5.11
0.700	10.34	1.700	14.72	2.700	7.18	3.70	5.11
0.717	10.34	1.717	14.72	2.717	7.18	3.72	5.11
0.733	10.34	1.733	14.72	2.733	7.18	3.73	5.11
0.750	10.34	1.750	14.72	2.750	7.18	3.75	5.11
0.767	18.86	1.767	11.32	2.767	6.48	3.77	4.80
0.783	18.86	1.783	11.32	2.783	6.48	3.78	4.80
0.800	18.86	1.800	11.32	2.800	6.48	3.80	4.80
0.817	18.86	1.817	11.32	2.817	6.48	3.82	4.80
0.833	18.86	1.833	11.32	2.833	6.48	3.83	4.80
0.850	18.86	1.850	11.32	2.850	6.48	3.85	4.80
0.867	18.86	1.867	11.32	2.867	6.48	3.87	4.80
0.883	18.86	1.883	11.32	2.883	6.48	3.88	4.80
0.900	18.86	1.900	11.32	2.900	6.48	3.90	4.80
0.917	18.86	1.917	11.32	2.917	6.48	3.92	4.80
0.933	18.86	1.933	11.32	2.933	6.48	3.93	4.80
0.950	18.86	1.950	11.32	2.950	6.48	3.95	4.80
0.967	18.86	1.967	11.32	2.967	6.48	3.97	4.80
0.983	18.86	1.983	11.32	2.983	6.48	3.98	4.80
1.000	18.86	2.000	11.32	3.000	6.48	4.00	4.80

Max.Eff.Inten.(mm/hr)=	100.60	14.54	
over (min)	5.00	18.00	
Storage Coeff. (min)=	2.37 (ii)	17.64 (ii)	
Unit Hyd. Tpeak (min)=	5.00	18.00	
Unit Hyd. peak (cms)=	0.35	0.06	
			TOTALS
PEAK FLOW (cms)=	0.07	0.02	0.081 (iii)
TIME TO PEAK (hrs)=	1.25	1.50	1.25
RUNOFF VOLUME (mm)=	59.29	11.77	22.21
TOTAL RAINFALL (mm)=	61.29	61.29	61.29
RUNOFF COEFFICIENT =	0.97	0.19	0.36

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
STANDHYD (0203)	Area (ha)= 17.16		
ID= 1 DT= 1.0 min	Total Imp(%)= 42.00	Dir. Conn.(%)= 30.00	

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	7.21	9.95
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.20	1.017	100.60	2.017	9.38	3.02	5.93
0.033	6.20	1.033	100.60	2.033	9.38	3.03	5.93
0.050	6.20	1.050	100.60	2.050	9.38	3.05	5.93
0.067	6.20	1.067	100.60	2.067	9.38	3.07	5.93
0.083	6.20	1.083	100.60	2.083	9.38	3.08	5.93
0.100	6.20	1.100	100.60	2.100	9.38	3.10	5.93
0.117	6.20	1.117	100.60	2.117	9.38	3.12	5.93
0.133	6.20	1.133	100.60	2.133	9.38	3.13	5.93
0.150	6.20	1.150	100.60	2.150	9.38	3.15	5.93
0.167	6.20	1.167	100.60	2.167	9.38	3.17	5.93
0.183	6.20	1.183	100.60	2.183	9.38	3.18	5.93
0.200	6.20	1.200	100.60	2.200	9.38	3.20	5.93
0.217	6.20	1.217	100.60	2.217	9.38	3.22	5.93
0.233	6.20	1.233	100.60	2.233	9.38	3.23	5.93
0.250	6.20	1.250	100.60	2.250	9.38	3.25	5.93
0.267	7.63	1.267	23.02	2.267	8.10	3.27	5.48
0.283	7.63	1.283	23.02	2.283	8.10	3.28	5.48
0.300	7.63	1.300	23.02	2.300	8.10	3.30	5.48
0.317	7.63	1.317	23.02	2.317	8.10	3.32	5.48
0.333	7.63	1.333	23.02	2.333	8.10	3.33	5.48
0.350	7.63	1.350	23.02	2.350	8.10	3.35	5.48
0.367	7.63	1.367	23.02	2.367	8.10	3.37	5.48
0.383	7.63	1.383	23.02	2.383	8.10	3.38	5.48
0.400	7.63	1.400	23.02	2.400	8.10	3.40	5.48
0.417	7.63	1.417	23.02	2.417	8.10	3.42	5.48
0.433	7.63	1.433	23.02	2.433	8.10	3.43	5.48
0.450	7.63	1.450	23.02	2.450	8.10	3.45	5.48
0.467	7.63	1.467	23.02	2.467	8.10	3.47	5.48
0.483	7.63	1.483	23.02	2.483	8.10	3.48	5.48
0.500	7.63	1.500	23.02	2.500	8.10	3.50	5.48
0.517	10.34	1.517	14.72	2.517	7.18	3.52	5.11
0.533	10.34	1.533	14.72	2.533	7.18	3.53	5.11
0.550	10.34	1.550	14.72	2.550	7.18	3.55	5.11
0.567	10.34	1.567	14.72	2.567	7.18	3.57	5.11
0.583	10.34	1.583	14.72	2.583	7.18	3.58	5.11
0.600	10.34	1.600	14.72	2.600	7.18	3.60	5.11
0.617	10.34	1.617	14.72	2.617	7.18	3.62	5.11
0.633	10.34	1.633	14.72	2.633	7.18	3.63	5.11
0.650	10.34	1.650	14.72	2.650	7.18	3.65	5.11
0.667	10.34	1.667	14.72	2.667	7.18	3.67	5.11
0.683	10.34	1.683	14.72	2.683	7.18	3.68	5.11
0.700	10.34	1.700	14.72	2.700	7.18	3.70	5.11
0.717	10.34	1.717	14.72	2.717	7.18	3.72	5.11
0.733	10.34	1.733	14.72	2.733	7.18	3.73	5.11
0.750	10.34	1.750	14.72	2.750	7.18	3.75	5.11

0.767	18.86	1.767	11.32	2.767	6.48	3.77	4.80
0.783	18.86	1.783	11.32	2.783	6.48	3.78	4.80
0.800	18.86	1.800	11.32	2.800	6.48	3.80	4.80
0.817	18.86	1.817	11.32	2.817	6.48	3.82	4.80
0.833	18.86	1.833	11.32	2.833	6.48	3.83	4.80
0.850	18.86	1.850	11.32	2.850	6.48	3.85	4.80
0.867	18.86	1.867	11.32	2.867	6.48	3.87	4.80
0.883	18.86	1.883	11.32	2.883	6.48	3.88	4.80
0.900	18.86	1.900	11.32	2.900	6.48	3.90	4.80
0.917	18.86	1.917	11.32	2.917	6.48	3.92	4.80
0.933	18.86	1.933	11.32	2.933	6.48	3.93	4.80
0.950	18.86	1.950	11.32	2.950	6.48	3.95	4.80
0.967	18.86	1.967	11.32	2.967	6.48	3.97	4.80
0.983	18.86	1.983	11.32	2.983	6.48	3.98	4.80
1.000	18.86	2.000	11.32	3.000	6.48	4.00	4.80

Max.Eff.Inten.(mm/hr)= 100.60 23.71
 over (min) 5.00 18.00
 Storage Coeff. (min)= 4.60 (ii) 17.15 (ii)
 Unit Hyd. Tpeak (min)= 5.00 18.00
 Unit Hyd. peak (cms)= 0.24 0.06

 PEAK FLOW (cms)= 1.36 0.34 *TOTALS*
 TIME TO PEAK (hrs)= 1.25 1.50 1.505 (iii)
 RUNOFF VOLUME (mm)= 59.29 13.81 1.27
 TOTAL RAINFALL (mm)= 61.29 61.29 27.45
 RUNOFF COEFFICIENT = 0.97 0.23 61.29
 0.45

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
 (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
 (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)				
1 + 2 = 3				
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0012):	1.18	0.081	1.25	22.21
+ ID2= 2 (0203):	17.16	1.505	1.27	27.45
=====				
ID = 3 (0082):	18.34	1.585	1.27	27.12

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)				
IN= 2---> OUT= 1				
DT= 5.0 min				
OVERFLOW IS OFF				
	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	0.0940	0.3600
	0.0120	0.2100	0.1210	0.4000
	0.0550	0.2600	0.1500	0.4500
	0.0620	0.3000	0.3000	0.7210
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0082)	18.340	1.585	1.27	27.12
OUTFLOW: ID= 1 (0002)	18.340	0.120	4.08	19.37

PEAK FLOW REDUCTION [Qout/Qin](%)= 7.55
 TIME SHIFT OF PEAK FLOW (min)=169.00
 MAXIMUM STORAGE USED (ha.m.)= 0.3981

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)				
1 + 2 = 3				
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0017):	31.32	0.651	1.72	13.99
+ ID2= 2 (0002):	18.34	0.120	4.08	19.37
=====				
ID = 3 (0089):	49.66	0.708	1.73	15.97

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:1.6 Chicago 4hr 100yr **

CALIB
NASHYD (0087)
ID= 1 DT= 1.0 min

Area (ha)= 15.86 Curve Number (CN)= 62.0
Ia (mm)= 4.60 # of Linear Res.(N)= 3.00
U.H. Tp(hrs)= 0.40

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.78	1.017	110.07	2.017	10.26	3.02	6.49
0.033	6.78	1.033	110.07	2.033	10.26	3.03	6.49
0.050	6.78	1.050	110.07	2.050	10.26	3.05	6.49
0.067	6.78	1.067	110.07	2.067	10.26	3.07	6.49
0.083	6.78	1.083	110.07	2.083	10.26	3.08	6.49
0.100	6.78	1.100	110.07	2.100	10.26	3.10	6.49
0.117	6.78	1.117	110.07	2.117	10.26	3.12	6.49
0.133	6.78	1.133	110.07	2.133	10.26	3.13	6.49
0.150	6.78	1.150	110.07	2.150	10.26	3.15	6.49
0.167	6.78	1.167	110.07	2.167	10.26	3.17	6.49
0.183	6.78	1.183	110.07	2.183	10.26	3.18	6.49
0.200	6.78	1.200	110.07	2.200	10.26	3.20	6.49
0.217	6.78	1.217	110.07	2.217	10.26	3.22	6.49
0.233	6.78	1.233	110.07	2.233	10.26	3.23	6.49
0.250	6.78	1.250	110.07	2.250	10.26	3.25	6.49
0.267	8.35	1.267	25.19	2.267	8.86	3.27	6.00
0.283	8.35	1.283	25.19	2.283	8.86	3.28	6.00
0.300	8.35	1.300	25.19	2.300	8.86	3.30	6.00
0.317	8.35	1.317	25.19	2.317	8.86	3.32	6.00
0.333	8.35	1.333	25.19	2.333	8.86	3.33	6.00
0.350	8.35	1.350	25.19	2.350	8.86	3.35	6.00
0.367	8.35	1.367	25.19	2.367	8.86	3.37	6.00
0.383	8.35	1.383	25.19	2.383	8.86	3.38	6.00
0.400	8.35	1.400	25.19	2.400	8.86	3.40	6.00
0.417	8.35	1.417	25.19	2.417	8.86	3.42	6.00
0.433	8.35	1.433	25.19	2.433	8.86	3.43	6.00
0.450	8.35	1.450	25.19	2.450	8.86	3.45	6.00
0.467	8.35	1.467	25.19	2.467	8.86	3.47	6.00
0.483	8.35	1.483	25.19	2.483	8.86	3.48	6.00
0.500	8.35	1.500	25.19	2.500	8.86	3.50	6.00
0.517	11.31	1.517	16.11	2.517	7.86	3.52	5.59
0.533	11.31	1.533	16.11	2.533	7.86	3.53	5.59
0.550	11.31	1.550	16.11	2.550	7.86	3.55	5.59
0.567	11.31	1.567	16.11	2.567	7.86	3.57	5.59
0.583	11.31	1.583	16.11	2.583	7.86	3.58	5.59
0.600	11.31	1.600	16.11	2.600	7.86	3.60	5.59
0.617	11.31	1.617	16.11	2.617	7.86	3.62	5.59
0.633	11.31	1.633	16.11	2.633	7.86	3.63	5.59
0.650	11.31	1.650	16.11	2.650	7.86	3.65	5.59
0.667	11.31	1.667	16.11	2.667	7.86	3.67	5.59
0.683	11.31	1.683	16.11	2.683	7.86	3.68	5.59
0.700	11.31	1.700	16.11	2.700	7.86	3.70	5.59
0.717	11.31	1.717	16.11	2.717	7.86	3.72	5.59
0.733	11.31	1.733	16.11	2.733	7.86	3.73	5.59
0.750	11.31	1.750	16.11	2.750	7.86	3.75	5.59
0.767	20.64	1.767	12.39	2.767	7.09	3.77	5.25
0.783	20.64	1.783	12.39	2.783	7.09	3.78	5.25
0.800	20.64	1.800	12.39	2.800	7.09	3.80	5.25
0.817	20.64	1.817	12.39	2.817	7.09	3.82	5.25
0.833	20.64	1.833	12.39	2.833	7.09	3.83	5.25
0.850	20.64	1.850	12.39	2.850	7.09	3.85	5.25
0.867	20.64	1.867	12.39	2.867	7.09	3.87	5.25
0.883	20.64	1.883	12.39	2.883	7.09	3.88	5.25
0.900	20.64	1.900	12.39	2.900	7.09	3.90	5.25
0.917	20.64	1.917	12.39	2.917	7.09	3.92	5.25
0.933	20.64	1.933	12.39	2.933	7.09	3.93	5.25
0.950	20.64	1.950	12.39	2.950	7.09	3.95	5.25
0.967	20.64	1.967	12.39	2.967	7.09	3.97	5.25
0.983	20.64	1.983	12.39	2.983	7.09	3.98	5.25
1.000	20.64	2.000	12.39	3.000	7.09	4.00	5.25

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.468 (i)
TIME TO PEAK (hrs)= 1.683
RUNOFF VOLUME (mm)= 17.884
TOTAL RAINFALL (mm)= 67.058
RUNOFF COEFFICIENT = 0.267

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
NASHYD (0205)
ID= 1 DT= 1.0 min

Area (ha)= 14.50 Curve Number (CN)= 58.0
Ia (mm)= 10.00 # of Linear Res.(N)= 3.00
U.H. Tp(hrs)= 0.44

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.78	1.017	110.07	2.017	10.26	3.02	6.49
0.033	6.78	1.033	110.07	2.033	10.26	3.03	6.49
0.050	6.78	1.050	110.07	2.050	10.26	3.05	6.49
0.067	6.78	1.067	110.07	2.067	10.26	3.07	6.49
0.083	6.78	1.083	110.07	2.083	10.26	3.08	6.49
0.100	6.78	1.100	110.07	2.100	10.26	3.10	6.49
0.117	6.78	1.117	110.07	2.117	10.26	3.12	6.49
0.133	6.78	1.133	110.07	2.133	10.26	3.13	6.49
0.150	6.78	1.150	110.07	2.150	10.26	3.15	6.49
0.167	6.78	1.167	110.07	2.167	10.26	3.17	6.49
0.183	6.78	1.183	110.07	2.183	10.26	3.18	6.49
0.200	6.78	1.200	110.07	2.200	10.26	3.20	6.49
0.217	6.78	1.217	110.07	2.217	10.26	3.22	6.49
0.233	6.78	1.233	110.07	2.233	10.26	3.23	6.49
0.250	6.78	1.250	110.07	2.250	10.26	3.25	6.49
0.267	8.35	1.267	25.19	2.267	8.86	3.27	6.00
0.283	8.35	1.283	25.19	2.283	8.86	3.28	6.00
0.300	8.35	1.300	25.19	2.300	8.86	3.30	6.00
0.317	8.35	1.317	25.19	2.317	8.86	3.32	6.00
0.333	8.35	1.333	25.19	2.333	8.86	3.33	6.00
0.350	8.35	1.350	25.19	2.350	8.86	3.35	6.00
0.367	8.35	1.367	25.19	2.367	8.86	3.37	6.00
0.383	8.35	1.383	25.19	2.383	8.86	3.38	6.00
0.400	8.35	1.400	25.19	2.400	8.86	3.40	6.00
0.417	8.35	1.417	25.19	2.417	8.86	3.42	6.00
0.433	8.35	1.433	25.19	2.433	8.86	3.43	6.00
0.450	8.35	1.450	25.19	2.450	8.86	3.45	6.00
0.467	8.35	1.467	25.19	2.467	8.86	3.47	6.00
0.483	8.35	1.483	25.19	2.483	8.86	3.48	6.00
0.500	8.35	1.500	25.19	2.500	8.86	3.50	6.00
0.517	11.31	1.517	16.11	2.517	7.86	3.52	5.59
0.533	11.31	1.533	16.11	2.533	7.86	3.53	5.59
0.550	11.31	1.550	16.11	2.550	7.86	3.55	5.59
0.567	11.31	1.567	16.11	2.567	7.86	3.57	5.59
0.583	11.31	1.583	16.11	2.583	7.86	3.58	5.59
0.600	11.31	1.600	16.11	2.600	7.86	3.60	5.59
0.617	11.31	1.617	16.11	2.617	7.86	3.62	5.59
0.633	11.31	1.633	16.11	2.633	7.86	3.63	5.59
0.650	11.31	1.650	16.11	2.650	7.86	3.65	5.59
0.667	11.31	1.667	16.11	2.667	7.86	3.67	5.59
0.683	11.31	1.683	16.11	2.683	7.86	3.68	5.59
0.700	11.31	1.700	16.11	2.700	7.86	3.70	5.59
0.717	11.31	1.717	16.11	2.717	7.86	3.72	5.59
0.733	11.31	1.733	16.11	2.733	7.86	3.73	5.59
0.750	11.31	1.750	16.11	2.750	7.86	3.75	5.59
0.767	20.64	1.767	12.39	2.767	7.09	3.77	5.25
0.783	20.64	1.783	12.39	2.783	7.09	3.78	5.25
0.800	20.64	1.800	12.39	2.800	7.09	3.80	5.25
0.817	20.64	1.817	12.39	2.817	7.09	3.82	5.25
0.833	20.64	1.833	12.39	2.833	7.09	3.83	5.25
0.850	20.64	1.850	12.39	2.850	7.09	3.85	5.25
0.867	20.64	1.867	12.39	2.867	7.09	3.87	5.25
0.883	20.64	1.883	12.39	2.883	7.09	3.88	5.25
0.900	20.64	1.900	12.39	2.900	7.09	3.90	5.25
0.917	20.64	1.917	12.39	2.917	7.09	3.92	5.25
0.933	20.64	1.933	12.39	2.933	7.09	3.93	5.25
0.950	20.64	1.950	12.39	2.950	7.09	3.95	5.25
0.967	20.64	1.967	12.39	2.967	7.09	3.97	5.25
0.983	20.64	1.983	12.39	2.983	7.09	3.98	5.25
1.000	20.64	2.000	12.39	3.000	7.09	4.00	5.25

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.284 (i)
TIME TO PEAK (hrs)= 1.800
RUNOFF VOLUME (mm)= 13.510
TOTAL RAINFALL (mm)= 67.058
RUNOFF COEFFICIENT = 0.201

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0204)
ID= 1 DT= 1.0 min

Area (ha)= 0.96
Total Imp(%)= 68.00 Dir. Conn.(%)= 47.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.65	0.31
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.78	1.017	110.07	2.017	10.26	3.02	6.49
0.033	6.78	1.033	110.07	2.033	10.26	3.03	6.49
0.050	6.78	1.050	110.07	2.050	10.26	3.05	6.49
0.067	6.78	1.067	110.07	2.067	10.26	3.07	6.49
0.083	6.78	1.083	110.07	2.083	10.26	3.08	6.49
0.100	6.78	1.100	110.07	2.100	10.26	3.10	6.49
0.117	6.78	1.117	110.07	2.117	10.26	3.12	6.49
0.133	6.78	1.133	110.07	2.133	10.26	3.13	6.49
0.150	6.78	1.150	110.07	2.150	10.26	3.15	6.49
0.167	6.78	1.167	110.07	2.167	10.26	3.17	6.49
0.183	6.78	1.183	110.07	2.183	10.26	3.18	6.49
0.200	6.78	1.200	110.07	2.200	10.26	3.20	6.49
0.217	6.78	1.217	110.07	2.217	10.26	3.22	6.49
0.233	6.78	1.233	110.07	2.233	10.26	3.23	6.49
0.250	6.78	1.250	110.07	2.250	10.26	3.25	6.49
0.267	8.35	1.267	25.19	2.267	8.86	3.27	6.00
0.283	8.35	1.283	25.19	2.283	8.86	3.28	6.00
0.300	8.35	1.300	25.19	2.300	8.86	3.30	6.00
0.317	8.35	1.317	25.19	2.317	8.86	3.32	6.00
0.333	8.35	1.333	25.19	2.333	8.86	3.33	6.00
0.350	8.35	1.350	25.19	2.350	8.86	3.35	6.00
0.367	8.35	1.367	25.19	2.367	8.86	3.37	6.00
0.383	8.35	1.383	25.19	2.383	8.86	3.38	6.00
0.400	8.35	1.400	25.19	2.400	8.86	3.40	6.00
0.417	8.35	1.417	25.19	2.417	8.86	3.42	6.00
0.433	8.35	1.433	25.19	2.433	8.86	3.43	6.00
0.450	8.35	1.450	25.19	2.450	8.86	3.45	6.00
0.467	8.35	1.467	25.19	2.467	8.86	3.47	6.00
0.483	8.35	1.483	25.19	2.483	8.86	3.48	6.00
0.500	8.35	1.500	25.19	2.500	8.86	3.50	6.00
0.517	11.31	1.517	16.11	2.517	7.86	3.52	5.59
0.533	11.31	1.533	16.11	2.533	7.86	3.53	5.59
0.550	11.31	1.550	16.11	2.550	7.86	3.55	5.59
0.567	11.31	1.567	16.11	2.567	7.86	3.57	5.59
0.583	11.31	1.583	16.11	2.583	7.86	3.58	5.59
0.600	11.31	1.600	16.11	2.600	7.86	3.60	5.59
0.617	11.31	1.617	16.11	2.617	7.86	3.62	5.59
0.633	11.31	1.633	16.11	2.633	7.86	3.63	5.59
0.650	11.31	1.650	16.11	2.650	7.86	3.65	5.59
0.667	11.31	1.667	16.11	2.667	7.86	3.67	5.59
0.683	11.31	1.683	16.11	2.683	7.86	3.68	5.59
0.700	11.31	1.700	16.11	2.700	7.86	3.70	5.59
0.717	11.31	1.717	16.11	2.717	7.86	3.72	5.59
0.733	11.31	1.733	16.11	2.733	7.86	3.73	5.59
0.750	11.31	1.750	16.11	2.750	7.86	3.75	5.59
0.767	20.64	1.767	12.39	2.767	7.09	3.77	5.25
0.783	20.64	1.783	12.39	2.783	7.09	3.78	5.25
0.800	20.64	1.800	12.39	2.800	7.09	3.80	5.25
0.817	20.64	1.817	12.39	2.817	7.09	3.82	5.25
0.833	20.64	1.833	12.39	2.833	7.09	3.83	5.25
0.850	20.64	1.850	12.39	2.850	7.09	3.85	5.25
0.867	20.64	1.867	12.39	2.867	7.09	3.87	5.25
0.883	20.64	1.883	12.39	2.883	7.09	3.88	5.25
0.900	20.64	1.900	12.39	2.900	7.09	3.90	5.25
0.917	20.64	1.917	12.39	2.917	7.09	3.92	5.25
0.933	20.64	1.933	12.39	2.933	7.09	3.93	5.25
0.950	20.64	1.950	12.39	2.950	7.09	3.95	5.25
0.967	20.64	1.967	12.39	2.967	7.09	3.97	5.25
0.983	20.64	1.983	12.39	2.983	7.09	3.98	5.25
1.000	20.64	2.000	12.39	3.000	7.09	4.00	5.25

Max.Eff.Inten.(mm/hr)=	110.07	56.83
over (min)	5.00	11.00
Storage Coeff. (min)=	4.44 (ii)	10.26 (ii)
Unit Hyd. Tpeak (min)=	5.00	11.00
Unit Hyd. peak (cms)=	0.24	0.11

PEAK FLOW	(cms)=	0.13	0.03	*TOTALS*
TIME TO PEAK	(hrs)=	1.25	1.37	0.154 (iii)
RUNOFF VOLUME	(mm)=	65.06	21.07	1.27
TOTAL RAINFALL	(mm)=	67.06	67.06	41.74
RUNOFF COEFFICIENT	=	0.97	0.31	67.06
				0.62

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0204):	0.96	0.154	1.27	41.74
+ ID2= 2 (0205):	14.50	0.284	1.80	13.51
=====				
ID = 3 (0017):	15.46	0.318	1.77	15.26

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 3 (0017):	15.46	0.318	1.77	15.26
+ ID2= 2 (0087):	15.86	0.468	1.68	17.88
=====				
ID = 1 (0017):	31.32	0.784	1.72	16.59

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB				
STANDHYD (0012)		Area (ha)=	1.18	
ID= 1 DT= 1.0 min		Total Imp(%)=	22.00	Dir. Conn.(%)= 22.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.26	0.92
Dep. Storage	(mm)=	2.00	4.60
Average slope	(%)=	1.00	2.00
Length	(m)=	88.84	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.78	1.017	110.07	2.017	10.26	3.02	6.49
0.033	6.78	1.033	110.07	2.033	10.26	3.03	6.49
0.050	6.78	1.050	110.07	2.050	10.26	3.05	6.49
0.067	6.78	1.067	110.07	2.067	10.26	3.07	6.49
0.083	6.78	1.083	110.07	2.083	10.26	3.08	6.49
0.100	6.78	1.100	110.07	2.100	10.26	3.10	6.49
0.117	6.78	1.117	110.07	2.117	10.26	3.12	6.49
0.133	6.78	1.133	110.07	2.133	10.26	3.13	6.49
0.150	6.78	1.150	110.07	2.150	10.26	3.15	6.49
0.167	6.78	1.167	110.07	2.167	10.26	3.17	6.49
0.183	6.78	1.183	110.07	2.183	10.26	3.18	6.49
0.200	6.78	1.200	110.07	2.200	10.26	3.20	6.49
0.217	6.78	1.217	110.07	2.217	10.26	3.22	6.49
0.233	6.78	1.233	110.07	2.233	10.26	3.23	6.49
0.250	6.78	1.250	110.07	2.250	10.26	3.25	6.49
0.267	8.35	1.267	25.19	2.267	8.86	3.27	6.00
0.283	8.35	1.283	25.19	2.283	8.86	3.28	6.00
0.300	8.35	1.300	25.19	2.300	8.86	3.30	6.00
0.317	8.35	1.317	25.19	2.317	8.86	3.32	6.00
0.333	8.35	1.333	25.19	2.333	8.86	3.33	6.00
0.350	8.35	1.350	25.19	2.350	8.86	3.35	6.00
0.367	8.35	1.367	25.19	2.367	8.86	3.37	6.00
0.383	8.35	1.383	25.19	2.383	8.86	3.38	6.00
0.400	8.35	1.400	25.19	2.400	8.86	3.40	6.00
0.417	8.35	1.417	25.19	2.417	8.86	3.42	6.00
0.433	8.35	1.433	25.19	2.433	8.86	3.43	6.00
0.450	8.35	1.450	25.19	2.450	8.86	3.45	6.00

0.467	8.35	1.467	25.19	2.467	8.86	3.47	6.00
0.483	8.35	1.483	25.19	2.483	8.86	3.48	6.00
0.500	8.35	1.500	25.19	2.500	8.86	3.50	6.00
0.517	11.31	1.517	16.11	2.517	7.86	3.52	5.59
0.533	11.31	1.533	16.11	2.533	7.86	3.53	5.59
0.550	11.31	1.550	16.11	2.550	7.86	3.55	5.59
0.567	11.31	1.567	16.11	2.567	7.86	3.57	5.59
0.583	11.31	1.583	16.11	2.583	7.86	3.58	5.59
0.600	11.31	1.600	16.11	2.600	7.86	3.60	5.59
0.617	11.31	1.617	16.11	2.617	7.86	3.62	5.59
0.633	11.31	1.633	16.11	2.633	7.86	3.63	5.59
0.650	11.31	1.650	16.11	2.650	7.86	3.65	5.59
0.667	11.31	1.667	16.11	2.667	7.86	3.67	5.59
0.683	11.31	1.683	16.11	2.683	7.86	3.68	5.59
0.700	11.31	1.700	16.11	2.700	7.86	3.70	5.59
0.717	11.31	1.717	16.11	2.717	7.86	3.72	5.59
0.733	11.31	1.733	16.11	2.733	7.86	3.73	5.59
0.750	11.31	1.750	16.11	2.750	7.86	3.75	5.59
0.767	20.64	1.767	12.39	2.767	7.09	3.77	5.25
0.783	20.64	1.783	12.39	2.783	7.09	3.78	5.25
0.800	20.64	1.800	12.39	2.800	7.09	3.80	5.25
0.817	20.64	1.817	12.39	2.817	7.09	3.82	5.25
0.833	20.64	1.833	12.39	2.833	7.09	3.83	5.25
0.850	20.64	1.850	12.39	2.850	7.09	3.85	5.25
0.867	20.64	1.867	12.39	2.867	7.09	3.87	5.25
0.883	20.64	1.883	12.39	2.883	7.09	3.88	5.25
0.900	20.64	1.900	12.39	2.900	7.09	3.90	5.25
0.917	20.64	1.917	12.39	2.917	7.09	3.92	5.25
0.933	20.64	1.933	12.39	2.933	7.09	3.93	5.25
0.950	20.64	1.950	12.39	2.950	7.09	3.95	5.25
0.967	20.64	1.967	12.39	2.967	7.09	3.97	5.25
0.983	20.64	1.983	12.39	2.983	7.09	3.98	5.25
1.000	20.64	2.000	12.39	3.000	7.09	4.00	5.25

Max.Eff.Inten.(mm/hr)= 110.07 19.00
over (min) 5.00 17.00
Storage Coeff. (min)= 2.29 (ii) 16.00 (ii)
Unit Hyd. Tpeak (min)= 5.00 17.00
Unit Hyd. peak (cms)= 0.35 0.07

TOTALS

PEAK FLOW (cms)= 0.08 0.03 0.091 (iii)
TIME TO PEAK (hrs)= 1.25 1.48 1.25
RUNOFF VOLUME (mm)= 65.06 13.99 25.22
TOTAL RAINFALL (mm)= 67.06 67.06 67.06
RUNOFF COEFFICIENT = 0.97 0.21 0.38

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0203)
ID= 1 DT= 1.0 min

Area (ha)= 17.16
Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.21	9.95
Dep. Storage	(mm)=	2.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	267.45	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.78	1.017	110.07	2.017	10.26	3.02	6.49
0.033	6.78	1.033	110.07	2.033	10.26	3.03	6.49
0.050	6.78	1.050	110.07	2.050	10.26	3.05	6.49
0.067	6.78	1.067	110.07	2.067	10.26	3.07	6.49
0.083	6.78	1.083	110.07	2.083	10.26	3.08	6.49
0.100	6.78	1.100	110.07	2.100	10.26	3.10	6.49
0.117	6.78	1.117	110.07	2.117	10.26	3.12	6.49
0.133	6.78	1.133	110.07	2.133	10.26	3.13	6.49
0.150	6.78	1.150	110.07	2.150	10.26	3.15	6.49
0.167	6.78	1.167	110.07	2.167	10.26	3.17	6.49
0.183	6.78	1.183	110.07	2.183	10.26	3.18	6.49
0.200	6.78	1.200	110.07	2.200	10.26	3.20	6.49

0.217	6.78	1.217	110.07	2.217	10.26	3.22	6.49
0.233	6.78	1.233	110.07	2.233	10.26	3.23	6.49
0.250	6.78	1.250	110.07	2.250	10.26	3.25	6.49
0.267	8.35	1.267	25.19	2.267	8.86	3.27	6.00
0.283	8.35	1.283	25.19	2.283	8.86	3.28	6.00
0.300	8.35	1.300	25.19	2.300	8.86	3.30	6.00
0.317	8.35	1.317	25.19	2.317	8.86	3.32	6.00
0.333	8.35	1.333	25.19	2.333	8.86	3.33	6.00
0.350	8.35	1.350	25.19	2.350	8.86	3.35	6.00
0.367	8.35	1.367	25.19	2.367	8.86	3.37	6.00
0.383	8.35	1.383	25.19	2.383	8.86	3.38	6.00
0.400	8.35	1.400	25.19	2.400	8.86	3.40	6.00
0.417	8.35	1.417	25.19	2.417	8.86	3.42	6.00
0.433	8.35	1.433	25.19	2.433	8.86	3.43	6.00
0.450	8.35	1.450	25.19	2.450	8.86	3.45	6.00
0.467	8.35	1.467	25.19	2.467	8.86	3.47	6.00
0.483	8.35	1.483	25.19	2.483	8.86	3.48	6.00
0.500	8.35	1.500	25.19	2.500	8.86	3.50	6.00
0.517	11.31	1.517	16.11	2.517	7.86	3.52	5.59
0.533	11.31	1.533	16.11	2.533	7.86	3.53	5.59
0.550	11.31	1.550	16.11	2.550	7.86	3.55	5.59
0.567	11.31	1.567	16.11	2.567	7.86	3.57	5.59
0.583	11.31	1.583	16.11	2.583	7.86	3.58	5.59
0.600	11.31	1.600	16.11	2.600	7.86	3.60	5.59
0.617	11.31	1.617	16.11	2.617	7.86	3.62	5.59
0.633	11.31	1.633	16.11	2.633	7.86	3.63	5.59
0.650	11.31	1.650	16.11	2.650	7.86	3.65	5.59
0.667	11.31	1.667	16.11	2.667	7.86	3.67	5.59
0.683	11.31	1.683	16.11	2.683	7.86	3.68	5.59
0.700	11.31	1.700	16.11	2.700	7.86	3.70	5.59
0.717	11.31	1.717	16.11	2.717	7.86	3.72	5.59
0.733	11.31	1.733	16.11	2.733	7.86	3.73	5.59
0.750	11.31	1.750	16.11	2.750	7.86	3.75	5.59
0.767	20.64	1.767	12.39	2.767	7.09	3.77	5.25
0.783	20.64	1.783	12.39	2.783	7.09	3.78	5.25
0.800	20.64	1.800	12.39	2.800	7.09	3.80	5.25
0.817	20.64	1.817	12.39	2.817	7.09	3.82	5.25
0.833	20.64	1.833	12.39	2.833	7.09	3.83	5.25
0.850	20.64	1.850	12.39	2.850	7.09	3.85	5.25
0.867	20.64	1.867	12.39	2.867	7.09	3.87	5.25
0.883	20.64	1.883	12.39	2.883	7.09	3.88	5.25
0.900	20.64	1.900	12.39	2.900	7.09	3.90	5.25
0.917	20.64	1.917	12.39	2.917	7.09	3.92	5.25
0.933	20.64	1.933	12.39	2.933	7.09	3.93	5.25
0.950	20.64	1.950	12.39	2.950	7.09	3.95	5.25
0.967	20.64	1.967	12.39	2.967	7.09	3.97	5.25
0.983	20.64	1.983	12.39	2.983	7.09	3.98	5.25
1.000	20.64	2.000	12.39	3.000	7.09	4.00	5.25

Max.Eff.Inten.(mm/hr)=	110.07	31.29	
over (min)	5.00	14.00	
Storage Coeff. (min)=	4.44 (ii)	13.28 (ii)	
Unit Hyd. Tpeak (min)=	5.00	14.00	
Unit Hyd. peak (cms)=	0.24	0.08	
			TOTALS
PEAK FLOW (cms)=	1.50	0.47	1.780 (iii)
TIME TO PEAK (hrs)=	1.25	1.43	1.27
RUNOFF VOLUME (mm)=	65.06	16.34	30.96
TOTAL RAINFALL (mm)=	67.06	67.06	67.06
RUNOFF COEFFICIENT =	0.97	0.24	0.46

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)				
1 + 2 = 3				
ID1= 1 (0012):	1.18	0.091	1.25	25.22
+ ID2= 2 (0203):	17.16	1.780	1.27	30.96
ID = 3 (0082):	18.34	1.870	1.27	30.59

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)	OVERFLOW IS OFF
IN= 2---> OUT=1	

DT= 5.0 min	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	0.0940	0.3600
	0.0120	0.2100	0.1210	0.4000
	0.0550	0.2600	0.1500	0.4500
	0.0620	0.3000	0.3000	0.7210

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0082)	18.340	1.870	1.27	30.59
OUTFLOW: ID= 1 (0002)	18.340	0.144	4.07	22.72

PEAK FLOW REDUCTION [Qout/Qin](%)= 7.67
TIME SHIFT OF PEAK FLOW (min)=168.00
MAXIMUM STORAGE USED (ha.m.)= 0.4388

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0017):	31.32	0.784	1.72	16.59
+ ID2= 2 (0002):	18.34	0.144	4.07	22.72
=====	=====	=====	=====	=====
ID = 3 (0089):	49.66	0.855	1.75	18.85

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:2.1 SCS II 6hr 2yr **

CALIB	Area (ha)=	15.86	Curve Number (CN)=	62.0
NASHYD (0087)	Ia (mm)=	4.60	# of Linear Res.(N)=	3.00
ID= 1 DT= 1.0 min	U.H. Tp(hrs)=	0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.72	1.517	2.90	3.017	23.18	4.52	2.53
0.033	0.72	1.533	2.90	3.033	23.17	4.53	2.53
0.050	0.72	1.550	2.90	3.050	23.17	4.55	2.53
0.067	0.72	1.567	2.90	3.067	23.17	4.57	2.53
0.083	0.72	1.583	2.90	3.083	23.17	4.58	2.53
0.100	0.72	1.600	2.90	3.100	23.17	4.60	2.53
0.117	0.72	1.617	2.90	3.117	23.17	4.62	2.53
0.133	0.72	1.633	2.90	3.133	23.17	4.63	2.53
0.150	0.72	1.650	2.90	3.150	23.17	4.65	2.53
0.167	0.72	1.667	2.90	3.167	23.17	4.67	2.53
0.183	0.72	1.683	2.90	3.183	23.17	4.68	2.53
0.200	0.72	1.700	2.90	3.200	23.17	4.70	2.53
0.217	0.72	1.717	2.90	3.217	23.17	4.72	2.53
0.233	0.72	1.733	2.90	3.233	23.17	4.73	2.53
0.250	0.72	1.750	2.90	3.250	23.17	4.75	2.53
0.267	1.45	1.767	2.90	3.267	9.42	4.77	2.17
0.283	1.45	1.783	2.90	3.283	9.41	4.78	2.17
0.300	1.45	1.800	2.90	3.300	9.41	4.80	2.17
0.317	1.45	1.817	2.90	3.317	9.41	4.82	2.17
0.333	1.45	1.833	2.90	3.333	9.41	4.83	2.17
0.350	1.45	1.850	2.90	3.350	9.41	4.85	2.17
0.367	1.45	1.867	2.90	3.367	9.41	4.87	2.17
0.383	1.45	1.883	2.90	3.383	9.41	4.88	2.17
0.400	1.45	1.900	2.90	3.400	9.41	4.90	2.17
0.417	1.45	1.917	2.90	3.417	9.41	4.92	2.17
0.433	1.45	1.933	2.90	3.433	9.41	4.93	2.17
0.450	1.45	1.950	2.90	3.450	9.41	4.95	2.17
0.467	1.45	1.967	2.90	3.467	9.41	4.97	2.17
0.483	1.45	1.983	2.90	3.483	9.41	4.98	2.17
0.500	1.45	2.000	2.90	3.500	9.41	5.00	2.17
0.517	1.45	2.017	3.98	3.517	6.88	5.02	1.81
0.533	1.45	2.033	3.98	3.533	6.88	5.03	1.81
0.550	1.45	2.050	3.98	3.550	6.88	5.05	1.81
0.567	1.45	2.067	3.98	3.567	6.88	5.07	1.81
0.583	1.45	2.083	3.98	3.583	6.88	5.08	1.81
0.600	1.45	2.100	3.98	3.600	6.88	5.10	1.81
0.617	1.45	2.117	3.98	3.617	6.88	5.12	1.81
0.633	1.45	2.133	3.98	3.633	6.88	5.13	1.81
0.650	1.45	2.150	3.98	3.650	6.88	5.15	1.81

0.667	1.45	2.167	3.98	3.667	6.88	5.17	1.81
0.683	1.45	2.183	3.98	3.683	6.88	5.18	1.81
0.700	1.45	2.200	3.98	3.700	6.88	5.20	1.81
0.717	1.45	2.217	3.98	3.717	6.88	5.22	1.81
0.733	1.45	2.233	3.98	3.733	6.88	5.23	1.81
0.750	1.45	2.250	3.98	3.750	6.88	5.25	1.81
0.767	1.45	2.267	5.07	3.767	4.35	5.27	1.45
0.783	1.45	2.283	5.07	3.783	4.35	5.28	1.45
0.800	1.45	2.300	5.07	3.800	4.35	5.30	1.45
0.817	1.45	2.317	5.07	3.817	4.35	5.32	1.45
0.833	1.45	2.333	5.07	3.833	4.35	5.33	1.45
0.850	1.45	2.350	5.07	3.850	4.35	5.35	1.45
0.867	1.45	2.367	5.07	3.867	4.35	5.37	1.45
0.883	1.45	2.383	5.07	3.883	4.35	5.38	1.45
0.900	1.45	2.400	5.07	3.900	4.35	5.40	1.45
0.917	1.45	2.417	5.07	3.917	4.35	5.42	1.45
0.933	1.45	2.433	5.07	3.933	4.35	5.43	1.45
0.950	1.45	2.450	5.07	3.950	4.35	5.45	1.45
0.967	1.45	2.467	5.07	3.967	4.35	5.47	1.45
0.983	1.45	2.483	5.07	3.983	4.35	5.48	1.45
1.000	1.45	2.500	5.07	4.000	4.35	5.50	1.45
1.017	2.17	2.517	21.00	4.017	3.62	5.52	1.45
1.033	2.17	2.533	21.00	4.033	3.62	5.53	1.45
1.050	2.17	2.550	21.00	4.050	3.62	5.55	1.45
1.067	2.17	2.567	21.00	4.067	3.62	5.57	1.45
1.083	2.17	2.583	21.00	4.083	3.62	5.58	1.45
1.100	2.17	2.600	21.00	4.100	3.62	5.60	1.45
1.117	2.17	2.617	21.00	4.117	3.62	5.62	1.45
1.133	2.17	2.633	21.00	4.133	3.62	5.63	1.45
1.150	2.17	2.650	21.00	4.150	3.62	5.65	1.45
1.167	2.17	2.667	21.00	4.167	3.62	5.67	1.45
1.183	2.17	2.683	21.00	4.183	3.62	5.68	1.45
1.200	2.17	2.700	21.00	4.200	3.62	5.70	1.45
1.217	2.17	2.717	21.00	4.217	3.62	5.72	1.45
1.233	2.17	2.733	21.00	4.233	3.62	5.73	1.45
1.250	2.17	2.750	21.00	4.250	3.62	5.75	1.45
1.267	2.90	2.767	36.93	4.267	2.90	5.77	1.45
1.283	2.90	2.783	36.93	4.283	2.90	5.78	1.45
1.300	2.90	2.800	36.93	4.300	2.90	5.80	1.45
1.317	2.90	2.817	36.93	4.317	2.90	5.82	1.45
1.333	2.90	2.833	36.93	4.333	2.90	5.83	1.45
1.350	2.90	2.850	36.93	4.350	2.90	5.85	1.45
1.367	2.90	2.867	36.93	4.367	2.90	5.87	1.45
1.383	2.90	2.883	36.93	4.383	2.90	5.88	1.45
1.400	2.90	2.900	36.93	4.400	2.90	5.90	1.45
1.417	2.90	2.917	36.93	4.417	2.90	5.92	1.45
1.433	2.90	2.933	36.93	4.433	2.90	5.93	1.45
1.450	2.90	2.950	36.93	4.450	2.90	5.95	1.45
1.467	2.90	2.967	36.93	4.467	2.90	5.97	1.45
1.483	2.90	2.983	36.93	4.483	2.90	5.98	1.45
1.500	2.90	3.000	36.93	4.500	2.90	6.00	1.45

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.149 (i)
TIME TO PEAK (hrs)= 3.533
RUNOFF VOLUME (mm)= 5.279
TOTAL RAINFALL (mm)= 36.029
RUNOFF COEFFICIENT = 0.147

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.72	1.517	2.90	3.017	23.18	4.52	2.53
0.033	0.72	1.533	2.90	3.033	23.17	4.53	2.53
0.050	0.72	1.550	2.90	3.050	23.17	4.55	2.53
0.067	0.72	1.567	2.90	3.067	23.17	4.57	2.53
0.083	0.72	1.583	2.90	3.083	23.17	4.58	2.53
0.100	0.72	1.600	2.90	3.100	23.17	4.60	2.53
0.117	0.72	1.617	2.90	3.117	23.17	4.62	2.53
0.133	0.72	1.633	2.90	3.133	23.17	4.63	2.53
0.150	0.72	1.650	2.90	3.150	23.17	4.65	2.53

0.167	0.72	1.667	2.90	3.167	23.17	4.67	2.53
0.183	0.72	1.683	2.90	3.183	23.17	4.68	2.53
0.200	0.72	1.700	2.90	3.200	23.17	4.70	2.53
0.217	0.72	1.717	2.90	3.217	23.17	4.72	2.53
0.233	0.72	1.733	2.90	3.233	23.17	4.73	2.53
0.250	0.72	1.750	2.90	3.250	23.17	4.75	2.53
0.267	1.45	1.767	2.90	3.267	9.42	4.77	2.17
0.283	1.45	1.783	2.90	3.283	9.41	4.78	2.17
0.300	1.45	1.800	2.90	3.300	9.41	4.80	2.17
0.317	1.45	1.817	2.90	3.317	9.41	4.82	2.17
0.333	1.45	1.833	2.90	3.333	9.41	4.83	2.17
0.350	1.45	1.850	2.90	3.350	9.41	4.85	2.17
0.367	1.45	1.867	2.90	3.367	9.41	4.87	2.17
0.383	1.45	1.883	2.90	3.383	9.41	4.88	2.17
0.400	1.45	1.900	2.90	3.400	9.41	4.90	2.17
0.417	1.45	1.917	2.90	3.417	9.41	4.92	2.17
0.433	1.45	1.933	2.90	3.433	9.41	4.93	2.17
0.450	1.45	1.950	2.90	3.450	9.41	4.95	2.17
0.467	1.45	1.967	2.90	3.467	9.41	4.97	2.17
0.483	1.45	1.983	2.90	3.483	9.41	4.98	2.17
0.500	1.45	2.000	2.90	3.500	9.41	5.00	2.17
0.517	1.45	2.017	3.98	3.517	6.88	5.02	1.81
0.533	1.45	2.033	3.98	3.533	6.88	5.03	1.81
0.550	1.45	2.050	3.98	3.550	6.88	5.05	1.81
0.567	1.45	2.067	3.98	3.567	6.88	5.07	1.81
0.583	1.45	2.083	3.98	3.583	6.88	5.08	1.81
0.600	1.45	2.100	3.98	3.600	6.88	5.10	1.81
0.617	1.45	2.117	3.98	3.617	6.88	5.12	1.81
0.633	1.45	2.133	3.98	3.633	6.88	5.13	1.81
0.650	1.45	2.150	3.98	3.650	6.88	5.15	1.81
0.667	1.45	2.167	3.98	3.667	6.88	5.17	1.81
0.683	1.45	2.183	3.98	3.683	6.88	5.18	1.81
0.700	1.45	2.200	3.98	3.700	6.88	5.20	1.81
0.717	1.45	2.217	3.98	3.717	6.88	5.22	1.81
0.733	1.45	2.233	3.98	3.733	6.88	5.23	1.81
0.750	1.45	2.250	3.98	3.750	6.88	5.25	1.81
0.767	1.45	2.267	5.07	3.767	4.35	5.27	1.45
0.783	1.45	2.283	5.07	3.783	4.35	5.28	1.45
0.800	1.45	2.300	5.07	3.800	4.35	5.30	1.45
0.817	1.45	2.317	5.07	3.817	4.35	5.32	1.45
0.833	1.45	2.333	5.07	3.833	4.35	5.33	1.45
0.850	1.45	2.350	5.07	3.850	4.35	5.35	1.45
0.867	1.45	2.367	5.07	3.867	4.35	5.37	1.45
0.883	1.45	2.383	5.07	3.883	4.35	5.38	1.45
0.900	1.45	2.400	5.07	3.900	4.35	5.40	1.45
0.917	1.45	2.417	5.07	3.917	4.35	5.42	1.45
0.933	1.45	2.433	5.07	3.933	4.35	5.43	1.45
0.950	1.45	2.450	5.07	3.950	4.35	5.45	1.45
0.967	1.45	2.467	5.07	3.967	4.35	5.47	1.45
0.983	1.45	2.483	5.07	3.983	4.35	5.48	1.45
1.000	1.45	2.500	5.07	4.000	4.35	5.50	1.45
1.017	2.17	2.517	21.00	4.017	3.62	5.52	1.45
1.033	2.17	2.533	21.00	4.033	3.62	5.53	1.45
1.050	2.17	2.550	21.00	4.050	3.62	5.55	1.45
1.067	2.17	2.567	21.00	4.067	3.62	5.57	1.45
1.083	2.17	2.583	21.00	4.083	3.62	5.58	1.45
1.100	2.17	2.600	21.00	4.100	3.62	5.60	1.45
1.117	2.17	2.617	21.00	4.117	3.62	5.62	1.45
1.133	2.17	2.633	21.00	4.133	3.62	5.63	1.45
1.150	2.17	2.650	21.00	4.150	3.62	5.65	1.45
1.167	2.17	2.667	21.00	4.167	3.62	5.67	1.45
1.183	2.17	2.683	21.00	4.183	3.62	5.68	1.45
1.200	2.17	2.700	21.00	4.200	3.62	5.70	1.45
1.217	2.17	2.717	21.00	4.217	3.62	5.72	1.45
1.233	2.17	2.733	21.00	4.233	3.62	5.73	1.45
1.250	2.17	2.750	21.00	4.250	3.62	5.75	1.45
1.267	2.90	2.767	36.93	4.267	2.90	5.77	1.45
1.283	2.90	2.783	36.93	4.283	2.90	5.78	1.45
1.300	2.90	2.800	36.93	4.300	2.90	5.80	1.45
1.317	2.90	2.817	36.93	4.317	2.90	5.82	1.45
1.333	2.90	2.833	36.93	4.333	2.90	5.83	1.45
1.350	2.90	2.850	36.93	4.350	2.90	5.85	1.45
1.367	2.90	2.867	36.93	4.367	2.90	5.87	1.45
1.383	2.90	2.883	36.93	4.383	2.90	5.88	1.45
1.400	2.90	2.900	36.93	4.400	2.90	5.90	1.45
1.417	2.90	2.917	36.93	4.417	2.90	5.92	1.45
1.433	2.90	2.933	36.93	4.433	2.90	5.93	1.45
1.450	2.90	2.950	36.93	4.450	2.90	5.95	1.45
1.467	2.90	2.967	36.93	4.467	2.90	5.97	1.45
1.483	2.90	2.983	36.93	4.483	2.90	5.98	1.45
1.500	2.90	3.000	36.93	4.500	2.90	6.00	1.45

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.075 (i)
 TIME TO PEAK (hrs)= 3.683
 RUNOFF VOLUME (mm)= 3.227
 TOTAL RAINFALL (mm)= 36.029
 RUNOFF COEFFICIENT = 0.090

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

 CALIB
 STANDHYD (0204)
 ID= 1 DT= 1.0 min

Area (ha)= 0.96
 Total Imp(%)= 68.00 Dir. Conn.(%)= 47.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.65	0.31
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.72	1.517	2.90	3.017	23.18	4.52	2.53
0.033	0.72	1.533	2.90	3.033	23.17	4.53	2.53
0.050	0.72	1.550	2.90	3.050	23.17	4.55	2.53
0.067	0.72	1.567	2.90	3.067	23.17	4.57	2.53
0.083	0.72	1.583	2.90	3.083	23.17	4.58	2.53
0.100	0.72	1.600	2.90	3.100	23.17	4.60	2.53
0.117	0.72	1.617	2.90	3.117	23.17	4.62	2.53
0.133	0.72	1.633	2.90	3.133	23.17	4.63	2.53
0.150	0.72	1.650	2.90	3.150	23.17	4.65	2.53
0.167	0.72	1.667	2.90	3.167	23.17	4.67	2.53
0.183	0.72	1.683	2.90	3.183	23.17	4.68	2.53
0.200	0.72	1.700	2.90	3.200	23.17	4.70	2.53
0.217	0.72	1.717	2.90	3.217	23.17	4.72	2.53
0.233	0.72	1.733	2.90	3.233	23.17	4.73	2.53
0.250	0.72	1.750	2.90	3.250	23.17	4.75	2.53
0.267	1.45	1.767	2.90	3.267	9.42	4.77	2.17
0.283	1.45	1.783	2.90	3.283	9.41	4.78	2.17
0.300	1.45	1.800	2.90	3.300	9.41	4.80	2.17
0.317	1.45	1.817	2.90	3.317	9.41	4.82	2.17
0.333	1.45	1.833	2.90	3.333	9.41	4.83	2.17
0.350	1.45	1.850	2.90	3.350	9.41	4.85	2.17
0.367	1.45	1.867	2.90	3.367	9.41	4.87	2.17
0.383	1.45	1.883	2.90	3.383	9.41	4.88	2.17
0.400	1.45	1.900	2.90	3.400	9.41	4.90	2.17
0.417	1.45	1.917	2.90	3.417	9.41	4.92	2.17
0.433	1.45	1.933	2.90	3.433	9.41	4.93	2.17
0.450	1.45	1.950	2.90	3.450	9.41	4.95	2.17
0.467	1.45	1.967	2.90	3.467	9.41	4.97	2.17
0.483	1.45	1.983	2.90	3.483	9.41	4.98	2.17
0.500	1.45	2.000	2.90	3.500	9.41	5.00	2.17
0.517	1.45	2.017	3.98	3.517	6.88	5.02	1.81
0.533	1.45	2.033	3.98	3.533	6.88	5.03	1.81
0.550	1.45	2.050	3.98	3.550	6.88	5.05	1.81
0.567	1.45	2.067	3.98	3.567	6.88	5.07	1.81
0.583	1.45	2.083	3.98	3.583	6.88	5.08	1.81
0.600	1.45	2.100	3.98	3.600	6.88	5.10	1.81
0.617	1.45	2.117	3.98	3.617	6.88	5.12	1.81
0.633	1.45	2.133	3.98	3.633	6.88	5.13	1.81
0.650	1.45	2.150	3.98	3.650	6.88	5.15	1.81
0.667	1.45	2.167	3.98	3.667	6.88	5.17	1.81
0.683	1.45	2.183	3.98	3.683	6.88	5.18	1.81
0.700	1.45	2.200	3.98	3.700	6.88	5.20	1.81
0.717	1.45	2.217	3.98	3.717	6.88	5.22	1.81
0.733	1.45	2.233	3.98	3.733	6.88	5.23	1.81
0.750	1.45	2.250	3.98	3.750	6.88	5.25	1.81
0.767	1.45	2.267	5.07	3.767	4.35	5.27	1.45
0.783	1.45	2.283	5.07	3.783	4.35	5.28	1.45
0.800	1.45	2.300	5.07	3.800	4.35	5.30	1.45
0.817	1.45	2.317	5.07	3.817	4.35	5.32	1.45
0.833	1.45	2.333	5.07	3.833	4.35	5.33	1.45
0.850	1.45	2.350	5.07	3.850	4.35	5.35	1.45
0.867	1.45	2.367	5.07	3.867	4.35	5.37	1.45
0.883	1.45	2.383	5.07	3.883	4.35	5.38	1.45
0.900	1.45	2.400	5.07	3.900	4.35	5.40	1.45
0.917	1.45	2.417	5.07	3.917	4.35	5.42	1.45
0.933	1.45	2.433	5.07	3.933	4.35	5.43	1.45
0.950	1.45	2.450	5.07	3.950	4.35	5.45	1.45

0.967	1.45	2.467	5.07	3.967	4.35	5.47	1.45
0.983	1.45	2.483	5.07	3.983	4.35	5.48	1.45
1.000	1.45	2.500	5.07	4.000	4.35	5.50	1.45
1.017	2.17	2.517	21.00	4.017	3.62	5.52	1.45
1.033	2.17	2.533	21.00	4.033	3.62	5.53	1.45
1.050	2.17	2.550	21.00	4.050	3.62	5.55	1.45
1.067	2.17	2.567	21.00	4.067	3.62	5.57	1.45
1.083	2.17	2.583	21.00	4.083	3.62	5.58	1.45
1.100	2.17	2.600	21.00	4.100	3.62	5.60	1.45
1.117	2.17	2.617	21.00	4.117	3.62	5.62	1.45
1.133	2.17	2.633	21.00	4.133	3.62	5.63	1.45
1.150	2.17	2.650	21.00	4.150	3.62	5.65	1.45
1.167	2.17	2.667	21.00	4.167	3.62	5.67	1.45
1.183	2.17	2.683	21.00	4.183	3.62	5.68	1.45
1.200	2.17	2.700	21.00	4.200	3.62	5.70	1.45
1.217	2.17	2.717	21.00	4.217	3.62	5.72	1.45
1.233	2.17	2.733	21.00	4.233	3.62	5.73	1.45
1.250	2.17	2.750	21.00	4.250	3.62	5.75	1.45
1.267	2.90	2.767	36.93	4.267	2.90	5.77	1.45
1.283	2.90	2.783	36.93	4.283	2.90	5.78	1.45
1.300	2.90	2.800	36.93	4.300	2.90	5.80	1.45
1.317	2.90	2.817	36.93	4.317	2.90	5.82	1.45
1.333	2.90	2.833	36.93	4.333	2.90	5.83	1.45
1.350	2.90	2.850	36.93	4.350	2.90	5.85	1.45
1.367	2.90	2.867	36.93	4.367	2.90	5.87	1.45
1.383	2.90	2.883	36.93	4.383	2.90	5.88	1.45
1.400	2.90	2.900	36.93	4.400	2.90	5.90	1.45
1.417	2.90	2.917	36.93	4.417	2.90	5.92	1.45
1.433	2.90	2.933	36.93	4.433	2.90	5.93	1.45
1.450	2.90	2.950	36.93	4.450	2.90	5.95	1.45
1.467	2.90	2.967	36.93	4.467	2.90	5.97	1.45
1.483	2.90	2.983	36.93	4.483	2.90	5.98	1.45
1.500	2.90	3.000	36.93	4.500	2.90	6.00	1.45

Max.Eff.Inten.(mm/hr)=	36.93	10.60	
over (min)	7.00	25.00	
Storage Coeff. (min)=	6.87 (ii)	24.19 (ii)	
Unit Hyd. Tpeak (min)=	7.00	25.00	
Unit Hyd. peak (cms)=	0.16	0.05	
			TOTALS
PEAK FLOW (cms)=	0.04	0.01	0.045 (iii)
TIME TO PEAK (hrs)=	3.03	3.50	3.03
RUNOFF VOLUME (mm)=	34.03	6.66	19.51
TOTAL RAINFALL (mm)=	36.03	36.03	36.03
RUNOFF COEFFICIENT =	0.94	0.18	0.54

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0204):	0.96	0.045	3.03	19.51
+ ID2= 2 (0205):	14.50	0.075	3.68	3.23
ID = 3 (0017):	15.46	0.092	3.58	4.24

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 3 (0017):	15.46	0.092	3.58	4.24
+ ID2= 2 (0087):	15.86	0.149	3.53	5.28
ID = 1 (0017):	31.32	0.240	3.55	4.77

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB				
STANDHYD (0012)	Area (ha)=	1.18		
ID= 1 DT= 1.0 min	Total Imp(%)=	22.00	Dir. Conn.(%)=	22.00
	IMPERVIOUS	PERVIOUS (i)		

Surface Area	(ha)=	0.26	0.92
Dep. Storage	(mm)=	2.00	4.60
Average Slope	(%)=	1.00	2.00
Length	(m)=	88.84	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.72	1.517	2.90	3.017	23.18	4.52	2.53
0.033	0.72	1.533	2.90	3.033	23.17	4.53	2.53
0.050	0.72	1.550	2.90	3.050	23.17	4.55	2.53
0.067	0.72	1.567	2.90	3.067	23.17	4.57	2.53
0.083	0.72	1.583	2.90	3.083	23.17	4.58	2.53
0.100	0.72	1.600	2.90	3.100	23.17	4.60	2.53
0.117	0.72	1.617	2.90	3.117	23.17	4.62	2.53
0.133	0.72	1.633	2.90	3.133	23.17	4.63	2.53
0.150	0.72	1.650	2.90	3.150	23.17	4.65	2.53
0.167	0.72	1.667	2.90	3.167	23.17	4.67	2.53
0.183	0.72	1.683	2.90	3.183	23.17	4.68	2.53
0.200	0.72	1.700	2.90	3.200	23.17	4.70	2.53
0.217	0.72	1.717	2.90	3.217	23.17	4.72	2.53
0.233	0.72	1.733	2.90	3.233	23.17	4.73	2.53
0.250	0.72	1.750	2.90	3.250	23.17	4.75	2.53
0.267	1.45	1.767	2.90	3.267	9.42	4.77	2.17
0.283	1.45	1.783	2.90	3.283	9.41	4.78	2.17
0.300	1.45	1.800	2.90	3.300	9.41	4.80	2.17
0.317	1.45	1.817	2.90	3.317	9.41	4.82	2.17
0.333	1.45	1.833	2.90	3.333	9.41	4.83	2.17
0.350	1.45	1.850	2.90	3.350	9.41	4.85	2.17
0.367	1.45	1.867	2.90	3.367	9.41	4.87	2.17
0.383	1.45	1.883	2.90	3.383	9.41	4.88	2.17
0.400	1.45	1.900	2.90	3.400	9.41	4.90	2.17
0.417	1.45	1.917	2.90	3.417	9.41	4.92	2.17
0.433	1.45	1.933	2.90	3.433	9.41	4.93	2.17
0.450	1.45	1.950	2.90	3.450	9.41	4.95	2.17
0.467	1.45	1.967	2.90	3.467	9.41	4.97	2.17
0.483	1.45	1.983	2.90	3.483	9.41	4.98	2.17
0.500	1.45	2.000	2.90	3.500	9.41	5.00	2.17
0.517	1.45	2.017	3.98	3.517	6.88	5.02	1.81
0.533	1.45	2.033	3.98	3.533	6.88	5.03	1.81
0.550	1.45	2.050	3.98	3.550	6.88	5.05	1.81
0.567	1.45	2.067	3.98	3.567	6.88	5.07	1.81
0.583	1.45	2.083	3.98	3.583	6.88	5.08	1.81
0.600	1.45	2.100	3.98	3.600	6.88	5.10	1.81
0.617	1.45	2.117	3.98	3.617	6.88	5.12	1.81
0.633	1.45	2.133	3.98	3.633	6.88	5.13	1.81
0.650	1.45	2.150	3.98	3.650	6.88	5.15	1.81
0.667	1.45	2.167	3.98	3.667	6.88	5.17	1.81
0.683	1.45	2.183	3.98	3.683	6.88	5.18	1.81
0.700	1.45	2.200	3.98	3.700	6.88	5.20	1.81
0.717	1.45	2.217	3.98	3.717	6.88	5.22	1.81
0.733	1.45	2.233	3.98	3.733	6.88	5.23	1.81
0.750	1.45	2.250	3.98	3.750	6.88	5.25	1.81
0.767	1.45	2.267	5.07	3.767	4.35	5.27	1.45
0.783	1.45	2.283	5.07	3.783	4.35	5.28	1.45
0.800	1.45	2.300	5.07	3.800	4.35	5.30	1.45
0.817	1.45	2.317	5.07	3.817	4.35	5.32	1.45
0.833	1.45	2.333	5.07	3.833	4.35	5.33	1.45
0.850	1.45	2.350	5.07	3.850	4.35	5.35	1.45
0.867	1.45	2.367	5.07	3.867	4.35	5.37	1.45
0.883	1.45	2.383	5.07	3.883	4.35	5.38	1.45
0.900	1.45	2.400	5.07	3.900	4.35	5.40	1.45
0.917	1.45	2.417	5.07	3.917	4.35	5.42	1.45
0.933	1.45	2.433	5.07	3.933	4.35	5.43	1.45
0.950	1.45	2.450	5.07	3.950	4.35	5.45	1.45
0.967	1.45	2.467	5.07	3.967	4.35	5.47	1.45
0.983	1.45	2.483	5.07	3.983	4.35	5.48	1.45
1.000	1.45	2.500	5.07	4.000	4.35	5.50	1.45
1.017	2.17	2.517	21.00	4.017	3.62	5.52	1.45
1.033	2.17	2.533	21.00	4.033	3.62	5.53	1.45
1.050	2.17	2.550	21.00	4.050	3.62	5.55	1.45
1.067	2.17	2.567	21.00	4.067	3.62	5.57	1.45
1.083	2.17	2.583	21.00	4.083	3.62	5.58	1.45
1.100	2.17	2.600	21.00	4.100	3.62	5.60	1.45
1.117	2.17	2.617	21.00	4.117	3.62	5.62	1.45
1.133	2.17	2.633	21.00	4.133	3.62	5.63	1.45
1.150	2.17	2.650	21.00	4.150	3.62	5.65	1.45
1.167	2.17	2.667	21.00	4.167	3.62	5.67	1.45
1.183	2.17	2.683	21.00	4.183	3.62	5.68	1.45
1.200	2.17	2.700	21.00	4.200	3.62	5.70	1.45

1.217	2.17	2.717	21.00	4.217	3.62	5.72	1.45
1.233	2.17	2.733	21.00	4.233	3.62	5.73	1.45
1.250	2.17	2.750	21.00	4.250	3.62	5.75	1.45
1.267	2.90	2.767	36.93	4.267	2.90	5.77	1.45
1.283	2.90	2.783	36.93	4.283	2.90	5.78	1.45
1.300	2.90	2.800	36.93	4.300	2.90	5.80	1.45
1.317	2.90	2.817	36.93	4.317	2.90	5.82	1.45
1.333	2.90	2.833	36.93	4.333	2.90	5.83	1.45
1.350	2.90	2.850	36.93	4.350	2.90	5.85	1.45
1.367	2.90	2.867	36.93	4.367	2.90	5.87	1.45
1.383	2.90	2.883	36.93	4.383	2.90	5.88	1.45
1.400	2.90	2.900	36.93	4.400	2.90	5.90	1.45
1.417	2.90	2.917	36.93	4.417	2.90	5.92	1.45
1.433	2.90	2.933	36.93	4.433	2.90	5.93	1.45
1.450	2.90	2.950	36.93	4.450	2.90	5.95	1.45
1.467	2.90	2.967	36.93	4.467	2.90	5.97	1.45
1.483	2.90	2.983	36.93	4.483	2.90	5.98	1.45
1.500	2.90	3.000	36.93	4.500	2.90	6.00	1.45

Max.Eff.Inten.(mm/hr)= 36.93 3.73
over (min) 5.00 30.00
Storage Coeff. (min)= 3.54 (ii) 29.85 (ii)
Unit Hyd. Tpeak (min)= 5.00 30.00
Unit Hyd. peak (cms)= 0.28 0.04

TOTALS

PEAK FLOW (cms)= 0.03 0.01 0.028 (iii)
TIME TO PEAK (hrs)= 3.00 3.63 3.00
RUNOFF VOLUME (mm)= 34.03 3.99 10.58
TOTAL RAINFALL (mm)= 36.03 36.03 36.03
RUNOFF COEFFICIENT = 0.94 0.11 0.29

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0203)
ID= 1 DT= 1.0 min
Area (ha)= 17.16
Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

IMPERVIOUS PERVIOUS (i)
Surface Area (ha)= 7.21 9.95
Dep. Storage (mm)= 2.00 5.00
Average Slope (%)= 1.00 2.00
Length (m)= 267.45 40.00
Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.72	1.517	2.90	3.017	23.18	4.52	2.53
0.033	0.72	1.533	2.90	3.033	23.17	4.53	2.53
0.050	0.72	1.550	2.90	3.050	23.17	4.55	2.53
0.067	0.72	1.567	2.90	3.067	23.17	4.57	2.53
0.083	0.72	1.583	2.90	3.083	23.17	4.58	2.53
0.100	0.72	1.600	2.90	3.100	23.17	4.60	2.53
0.117	0.72	1.617	2.90	3.117	23.17	4.62	2.53
0.133	0.72	1.633	2.90	3.133	23.17	4.63	2.53
0.150	0.72	1.650	2.90	3.150	23.17	4.65	2.53
0.167	0.72	1.667	2.90	3.167	23.17	4.67	2.53
0.183	0.72	1.683	2.90	3.183	23.17	4.68	2.53
0.200	0.72	1.700	2.90	3.200	23.17	4.70	2.53
0.217	0.72	1.717	2.90	3.217	23.17	4.72	2.53
0.233	0.72	1.733	2.90	3.233	23.17	4.73	2.53
0.250	0.72	1.750	2.90	3.250	23.17	4.75	2.53
0.267	1.45	1.767	2.90	3.267	9.42	4.77	2.17
0.283	1.45	1.783	2.90	3.283	9.41	4.78	2.17
0.300	1.45	1.800	2.90	3.300	9.41	4.80	2.17
0.317	1.45	1.817	2.90	3.317	9.41	4.82	2.17
0.333	1.45	1.833	2.90	3.333	9.41	4.83	2.17
0.350	1.45	1.850	2.90	3.350	9.41	4.85	2.17
0.367	1.45	1.867	2.90	3.367	9.41	4.87	2.17
0.383	1.45	1.883	2.90	3.383	9.41	4.88	2.17
0.400	1.45	1.900	2.90	3.400	9.41	4.90	2.17
0.417	1.45	1.917	2.90	3.417	9.41	4.92	2.17
0.433	1.45	1.933	2.90	3.433	9.41	4.93	2.17
0.450	1.45	1.950	2.90	3.450	9.41	4.95	2.17

0.467	1.45	1.967	2.90	3.467	9.41	4.97	2.17
0.483	1.45	1.983	2.90	3.483	9.41	4.98	2.17
0.500	1.45	2.000	2.90	3.500	9.41	5.00	2.17
0.517	1.45	2.017	3.98	3.517	6.88	5.02	1.81
0.533	1.45	2.033	3.98	3.533	6.88	5.03	1.81
0.550	1.45	2.050	3.98	3.550	6.88	5.05	1.81
0.567	1.45	2.067	3.98	3.567	6.88	5.07	1.81
0.583	1.45	2.083	3.98	3.583	6.88	5.08	1.81
0.600	1.45	2.100	3.98	3.600	6.88	5.10	1.81
0.617	1.45	2.117	3.98	3.617	6.88	5.12	1.81
0.633	1.45	2.133	3.98	3.633	6.88	5.13	1.81
0.650	1.45	2.150	3.98	3.650	6.88	5.15	1.81
0.667	1.45	2.167	3.98	3.667	6.88	5.17	1.81
0.683	1.45	2.183	3.98	3.683	6.88	5.18	1.81
0.700	1.45	2.200	3.98	3.700	6.88	5.20	1.81
0.717	1.45	2.217	3.98	3.717	6.88	5.22	1.81
0.733	1.45	2.233	3.98	3.733	6.88	5.23	1.81
0.750	1.45	2.250	3.98	3.750	6.88	5.25	1.81
0.767	1.45	2.267	5.07	3.767	4.35	5.27	1.45
0.783	1.45	2.283	5.07	3.783	4.35	5.28	1.45
0.800	1.45	2.300	5.07	3.800	4.35	5.30	1.45
0.817	1.45	2.317	5.07	3.817	4.35	5.32	1.45
0.833	1.45	2.333	5.07	3.833	4.35	5.33	1.45
0.850	1.45	2.350	5.07	3.850	4.35	5.35	1.45
0.867	1.45	2.367	5.07	3.867	4.35	5.37	1.45
0.883	1.45	2.383	5.07	3.883	4.35	5.38	1.45
0.900	1.45	2.400	5.07	3.900	4.35	5.40	1.45
0.917	1.45	2.417	5.07	3.917	4.35	5.42	1.45
0.933	1.45	2.433	5.07	3.933	4.35	5.43	1.45
0.950	1.45	2.450	5.07	3.950	4.35	5.45	1.45
0.967	1.45	2.467	5.07	3.967	4.35	5.47	1.45
0.983	1.45	2.483	5.07	3.983	4.35	5.48	1.45
1.000	1.45	2.500	5.07	4.000	4.35	5.50	1.45
1.017	2.17	2.517	21.00	4.017	3.62	5.52	1.45
1.033	2.17	2.533	21.00	4.033	3.62	5.53	1.45
1.050	2.17	2.550	21.00	4.050	3.62	5.55	1.45
1.067	2.17	2.567	21.00	4.067	3.62	5.57	1.45
1.083	2.17	2.583	21.00	4.083	3.62	5.58	1.45
1.100	2.17	2.600	21.00	4.100	3.62	5.60	1.45
1.117	2.17	2.617	21.00	4.117	3.62	5.62	1.45
1.133	2.17	2.633	21.00	4.133	3.62	5.63	1.45
1.150	2.17	2.650	21.00	4.150	3.62	5.65	1.45
1.167	2.17	2.667	21.00	4.167	3.62	5.67	1.45
1.183	2.17	2.683	21.00	4.183	3.62	5.68	1.45
1.200	2.17	2.700	21.00	4.200	3.62	5.70	1.45
1.217	2.17	2.717	21.00	4.217	3.62	5.72	1.45
1.233	2.17	2.733	21.00	4.233	3.62	5.73	1.45
1.250	2.17	2.750	21.00	4.250	3.62	5.75	1.45
1.267	2.90	2.767	36.93	4.267	2.90	5.77	1.45
1.283	2.90	2.783	36.93	4.283	2.90	5.78	1.45
1.300	2.90	2.800	36.93	4.300	2.90	5.80	1.45
1.317	2.90	2.817	36.93	4.317	2.90	5.82	1.45
1.333	2.90	2.833	36.93	4.333	2.90	5.83	1.45
1.350	2.90	2.850	36.93	4.350	2.90	5.85	1.45
1.367	2.90	2.867	36.93	4.367	2.90	5.87	1.45
1.383	2.90	2.883	36.93	4.383	2.90	5.88	1.45
1.400	2.90	2.900	36.93	4.400	2.90	5.90	1.45
1.417	2.90	2.917	36.93	4.417	2.90	5.92	1.45
1.433	2.90	2.933	36.93	4.433	2.90	5.93	1.45
1.450	2.90	2.950	36.93	4.450	2.90	5.95	1.45
1.467	2.90	2.967	36.93	4.467	2.90	5.97	1.45
1.483	2.90	2.983	36.93	4.483	2.90	5.98	1.45
1.500	2.90	3.000	36.93	4.500	2.90	6.00	1.45

Max.Eff.Inten.(mm/hr)= 36.93 5.58
over (min) 7.00 30.00
Storage Coeff. (min)= 6.87 (ii) 29.26 (ii)
Unit Hyd. Tpeak (min)= 7.00 30.00
Unit Hyd. peak (cms)= 0.16 0.04

TOTALS

PEAK FLOW (cms)= 0.48 0.09 0.509 (iii)
TIME TO PEAK (hrs)= 3.03 3.62 3.03
RUNOFF VOLUME (mm)= 34.03 4.81 13.58
TOTAL RAINFALL (mm)= 36.03 36.03 36.03
RUNOFF COEFFICIENT = 0.94 0.13 0.38

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0012):	1.18	0.028	3.00	10.58
+ ID2= 2 (0203):	17.16	0.509	3.03	13.58
=====				
ID = 3 (0082):	18.34	0.536	3.03	13.39

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
IN= 2---> OUT= 1				
DT= 5.0 min				
=====				
	0.0000	0.0000	0.0940	0.3600
	0.0120	0.2100	0.1210	0.4000
	0.0550	0.2600	0.1500	0.4500
	0.0620	0.3000	0.3000	0.7210
=====				
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0082)	18.340	0.536	3.03	13.39
OUTFLOW: ID= 1 (0002)	18.340	0.025	6.17	6.44

PEAK FLOW REDUCTION [Qout/Qin](%)= 4.64
 TIME SHIFT OF PEAK FLOW (min)=188.00
 MAXIMUM STORAGE USED (ha.m.)= 0.2250

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0017):	31.32	0.240	3.55	4.77
+ ID2= 2 (0002):	18.34	0.025	6.17	6.44
=====				
ID = 3 (0089):	49.66	0.249	3.55	5.39

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:2.2 SCS II 6hr 5yr **

CALIB	Area (ha)	Curve Number (CN)
NASHYD (0087)	15.86	62.0
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00
	U.H. Tp(hrs)= 0.40	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.94	1.517	3.77	3.017	30.14	4.52	3.30
0.033	0.94	1.533	3.77	3.033	30.14	4.53	3.30
0.050	0.94	1.550	3.77	3.050	30.14	4.55	3.30
0.067	0.94	1.567	3.77	3.067	30.14	4.57	3.30
0.083	0.94	1.583	3.77	3.083	30.14	4.58	3.30
0.100	0.94	1.600	3.77	3.100	30.14	4.60	3.30
0.117	0.94	1.617	3.77	3.117	30.14	4.62	3.30
0.133	0.94	1.633	3.77	3.133	30.14	4.63	3.30
0.150	0.94	1.650	3.77	3.150	30.14	4.65	3.30
0.167	0.94	1.667	3.77	3.167	30.14	4.67	3.30
0.183	0.94	1.683	3.77	3.183	30.14	4.68	3.30
0.200	0.94	1.700	3.77	3.200	30.14	4.70	3.30
0.217	0.94	1.717	3.77	3.217	30.14	4.72	3.30
0.233	0.94	1.733	3.77	3.233	30.14	4.73	3.30
0.250	0.94	1.750	3.77	3.250	30.14	4.75	3.30
0.267	1.88	1.767	3.77	3.267	12.25	4.77	2.83
0.283	1.88	1.783	3.77	3.283	12.24	4.78	2.83
0.300	1.88	1.800	3.77	3.300	12.24	4.80	2.83
0.317	1.88	1.817	3.77	3.317	12.24	4.82	2.83
0.333	1.88	1.833	3.77	3.333	12.24	4.83	2.83
0.350	1.88	1.850	3.77	3.350	12.24	4.85	2.83
0.367	1.88	1.867	3.77	3.367	12.24	4.87	2.83
0.383	1.88	1.883	3.77	3.383	12.24	4.88	2.83
0.400	1.88	1.900	3.77	3.400	12.24	4.90	2.83

0.417	1.88	1.917	3.77	3.417	12.24	4.92	2.83
0.433	1.88	1.933	3.77	3.433	12.24	4.93	2.83
0.450	1.88	1.950	3.77	3.450	12.24	4.95	2.83
0.467	1.88	1.967	3.77	3.467	12.24	4.97	2.83
0.483	1.88	1.983	3.77	3.483	12.24	4.98	2.83
0.500	1.88	2.000	3.77	3.500	12.24	5.00	2.83
0.517	1.88	2.017	5.18	3.517	8.95	5.02	2.35
0.533	1.88	2.033	5.18	3.533	8.95	5.03	2.35
0.550	1.88	2.050	5.18	3.550	8.95	5.05	2.35
0.567	1.88	2.067	5.18	3.567	8.95	5.07	2.35
0.583	1.88	2.083	5.18	3.583	8.95	5.08	2.35
0.600	1.88	2.100	5.18	3.600	8.95	5.10	2.35
0.617	1.88	2.117	5.18	3.617	8.95	5.12	2.35
0.633	1.88	2.133	5.18	3.633	8.95	5.13	2.35
0.650	1.88	2.150	5.18	3.650	8.95	5.15	2.35
0.667	1.88	2.167	5.18	3.667	8.95	5.17	2.35
0.683	1.88	2.183	5.18	3.683	8.95	5.18	2.35
0.700	1.88	2.200	5.18	3.700	8.95	5.20	2.35
0.717	1.88	2.217	5.18	3.717	8.95	5.22	2.35
0.733	1.88	2.233	5.18	3.733	8.95	5.23	2.35
0.750	1.88	2.250	5.18	3.750	8.95	5.25	2.35
0.767	1.88	2.267	6.59	3.767	5.65	5.27	1.88
0.783	1.88	2.283	6.59	3.783	5.65	5.28	1.88
0.800	1.88	2.300	6.59	3.800	5.65	5.30	1.88
0.817	1.88	2.317	6.59	3.817	5.65	5.32	1.88
0.833	1.88	2.333	6.59	3.833	5.65	5.33	1.88
0.850	1.88	2.350	6.59	3.850	5.65	5.35	1.88
0.867	1.88	2.367	6.59	3.867	5.65	5.37	1.88
0.883	1.88	2.383	6.59	3.883	5.65	5.38	1.88
0.900	1.88	2.400	6.59	3.900	5.65	5.40	1.88
0.917	1.88	2.417	6.59	3.917	5.65	5.42	1.88
0.933	1.88	2.433	6.59	3.933	5.65	5.43	1.88
0.950	1.88	2.450	6.59	3.950	5.65	5.45	1.88
0.967	1.88	2.467	6.59	3.967	5.65	5.47	1.88
0.983	1.88	2.483	6.59	3.983	5.65	5.48	1.88
1.000	1.88	2.500	6.59	4.000	5.65	5.50	1.88
1.017	2.83	2.517	27.31	4.017	4.71	5.52	1.88
1.033	2.83	2.533	27.31	4.033	4.71	5.53	1.88
1.050	2.83	2.550	27.31	4.050	4.71	5.55	1.88
1.067	2.83	2.567	27.31	4.067	4.71	5.57	1.88
1.083	2.83	2.583	27.31	4.083	4.71	5.58	1.88
1.100	2.83	2.600	27.31	4.100	4.71	5.60	1.88
1.117	2.83	2.617	27.31	4.117	4.71	5.62	1.88
1.133	2.83	2.633	27.31	4.133	4.71	5.63	1.88
1.150	2.83	2.650	27.31	4.150	4.71	5.65	1.88
1.167	2.83	2.667	27.31	4.167	4.71	5.67	1.88
1.183	2.83	2.683	27.31	4.183	4.71	5.68	1.88
1.200	2.83	2.700	27.31	4.200	4.71	5.70	1.88
1.217	2.83	2.717	27.31	4.217	4.71	5.72	1.88
1.233	2.83	2.733	27.31	4.233	4.71	5.73	1.88
1.250	2.83	2.750	27.31	4.250	4.71	5.75	1.88
1.267	3.77	2.767	48.03	4.267	3.77	5.77	1.88
1.283	3.77	2.783	48.03	4.283	3.77	5.78	1.88
1.300	3.77	2.800	48.03	4.300	3.77	5.80	1.88
1.317	3.77	2.817	48.03	4.317	3.77	5.82	1.88
1.333	3.77	2.833	48.03	4.333	3.77	5.83	1.88
1.350	3.77	2.850	48.03	4.350	3.77	5.85	1.88
1.367	3.77	2.867	48.03	4.367	3.77	5.87	1.88
1.383	3.77	2.883	48.03	4.383	3.77	5.88	1.88
1.400	3.77	2.900	48.03	4.400	3.77	5.90	1.88
1.417	3.77	2.917	48.03	4.417	3.77	5.92	1.88
1.433	3.77	2.933	48.03	4.433	3.77	5.93	1.88
1.450	3.77	2.950	48.03	4.450	3.77	5.95	1.88
1.467	3.77	2.967	48.03	4.467	3.77	5.97	1.88
1.483	3.77	2.983	48.03	4.483	3.77	5.98	1.88
1.500	3.77	3.000	48.03	4.500	3.77	6.00	1.88

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.258 (i)
TIME TO PEAK (hrs)= 3.517
RUNOFF VOLUME (mm)= 9.020
TOTAL RAINFALL (mm)= 46.855
RUNOFF COEFFICIENT = 0.193

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB	Area (ha)= 14.50	Curve Number (CN)= 58.0
NASHYD (0205)	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00
ID= 1 DT= 1.0 min	U.H. Tp(hrs)= 0.44	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.94	1.517	3.77	3.017	30.14	4.52	3.30
0.033	0.94	1.533	3.77	3.033	30.14	4.53	3.30
0.050	0.94	1.550	3.77	3.050	30.14	4.55	3.30
0.067	0.94	1.567	3.77	3.067	30.14	4.57	3.30
0.083	0.94	1.583	3.77	3.083	30.14	4.58	3.30
0.100	0.94	1.600	3.77	3.100	30.14	4.60	3.30
0.117	0.94	1.617	3.77	3.117	30.14	4.62	3.30
0.133	0.94	1.633	3.77	3.133	30.14	4.63	3.30
0.150	0.94	1.650	3.77	3.150	30.14	4.65	3.30
0.167	0.94	1.667	3.77	3.167	30.14	4.67	3.30
0.183	0.94	1.683	3.77	3.183	30.14	4.68	3.30
0.200	0.94	1.700	3.77	3.200	30.14	4.70	3.30
0.217	0.94	1.717	3.77	3.217	30.14	4.72	3.30
0.233	0.94	1.733	3.77	3.233	30.14	4.73	3.30
0.250	0.94	1.750	3.77	3.250	30.14	4.75	3.30
0.267	1.88	1.767	3.77	3.267	12.24	4.77	2.83
0.283	1.88	1.783	3.77	3.283	12.24	4.78	2.83
0.300	1.88	1.800	3.77	3.300	12.24	4.80	2.83
0.317	1.88	1.817	3.77	3.317	12.24	4.82	2.83
0.333	1.88	1.833	3.77	3.333	12.24	4.83	2.83
0.350	1.88	1.850	3.77	3.350	12.24	4.85	2.83
0.367	1.88	1.867	3.77	3.367	12.24	4.87	2.83
0.383	1.88	1.883	3.77	3.383	12.24	4.88	2.83
0.400	1.88	1.900	3.77	3.400	12.24	4.90	2.83
0.417	1.88	1.917	3.77	3.417	12.24	4.92	2.83
0.433	1.88	1.933	3.77	3.433	12.24	4.93	2.83
0.450	1.88	1.950	3.77	3.450	12.24	4.95	2.83
0.467	1.88	1.967	3.77	3.467	12.24	4.97	2.83
0.483	1.88	1.983	3.77	3.483	12.24	4.98	2.83
0.500	1.88	2.000	3.77	3.500	12.24	5.00	2.83
0.517	1.88	2.017	5.18	3.517	8.95	5.02	2.35
0.533	1.88	2.033	5.18	3.533	8.95	5.03	2.35
0.550	1.88	2.050	5.18	3.550	8.95	5.05	2.35
0.567	1.88	2.067	5.18	3.567	8.95	5.07	2.35
0.583	1.88	2.083	5.18	3.583	8.95	5.08	2.35
0.600	1.88	2.100	5.18	3.600	8.95	5.10	2.35
0.617	1.88	2.117	5.18	3.617	8.95	5.12	2.35
0.633	1.88	2.133	5.18	3.633	8.95	5.13	2.35
0.650	1.88	2.150	5.18	3.650	8.95	5.15	2.35
0.667	1.88	2.167	5.18	3.667	8.95	5.17	2.35
0.683	1.88	2.183	5.18	3.683	8.95	5.18	2.35
0.700	1.88	2.200	5.18	3.700	8.95	5.20	2.35
0.717	1.88	2.217	5.18	3.717	8.95	5.22	2.35
0.733	1.88	2.233	5.18	3.733	8.95	5.23	2.35
0.750	1.88	2.250	5.18	3.750	8.95	5.25	2.35
0.767	1.88	2.267	6.59	3.767	5.65	5.27	1.88
0.783	1.88	2.283	6.59	3.783	5.65	5.28	1.88
0.800	1.88	2.300	6.59	3.800	5.65	5.30	1.88
0.817	1.88	2.317	6.59	3.817	5.65	5.32	1.88
0.833	1.88	2.333	6.59	3.833	5.65	5.33	1.88
0.850	1.88	2.350	6.59	3.850	5.65	5.35	1.88
0.867	1.88	2.367	6.59	3.867	5.65	5.37	1.88
0.883	1.88	2.383	6.59	3.883	5.65	5.38	1.88
0.900	1.88	2.400	6.59	3.900	5.65	5.40	1.88
0.917	1.88	2.417	6.59	3.917	5.65	5.42	1.88
0.933	1.88	2.433	6.59	3.933	5.65	5.43	1.88
0.950	1.88	2.450	6.59	3.950	5.65	5.45	1.88
0.967	1.88	2.467	6.59	3.967	5.65	5.47	1.88
0.983	1.88	2.483	6.59	3.983	5.65	5.48	1.88
1.000	1.88	2.500	6.59	4.000	5.65	5.50	1.88
1.017	2.83	2.517	27.31	4.017	4.71	5.52	1.88
1.033	2.83	2.533	27.31	4.033	4.71	5.53	1.88
1.050	2.83	2.550	27.31	4.050	4.71	5.55	1.88
1.067	2.83	2.567	27.31	4.067	4.71	5.57	1.88
1.083	2.83	2.583	27.31	4.083	4.71	5.58	1.88
1.100	2.83	2.600	27.31	4.100	4.71	5.60	1.88
1.117	2.83	2.617	27.31	4.117	4.71	5.62	1.88
1.133	2.83	2.633	27.31	4.133	4.71	5.63	1.88
1.150	2.83	2.650	27.31	4.150	4.71	5.65	1.88
1.167	2.83	2.667	27.31	4.167	4.71	5.67	1.88
1.183	2.83	2.683	27.31	4.183	4.71	5.68	1.88
1.200	2.83	2.700	27.31	4.200	4.71	5.70	1.88
1.217	2.83	2.717	27.31	4.217	4.71	5.72	1.88
1.233	2.83	2.733	27.31	4.233	4.71	5.73	1.88
1.250	2.83	2.750	27.31	4.250	4.71	5.75	1.88
1.267	3.77	2.767	48.03	4.267	3.77	5.77	1.88
1.283	3.77	2.783	48.03	4.283	3.77	5.78	1.88
1.300	3.77	2.800	48.03	4.300	3.77	5.80	1.88

1.317	3.77	2.817	48.03	4.317	3.77	5.82	1.88
1.333	3.77	2.833	48.03	4.333	3.77	5.83	1.88
1.350	3.77	2.850	48.03	4.350	3.77	5.85	1.88
1.367	3.77	2.867	48.03	4.367	3.77	5.87	1.88
1.383	3.77	2.883	48.03	4.383	3.77	5.88	1.88
1.400	3.77	2.900	48.03	4.400	3.77	5.90	1.88
1.417	3.77	2.917	48.03	4.417	3.77	5.92	1.88
1.433	3.77	2.933	48.03	4.433	3.77	5.93	1.88
1.450	3.77	2.950	48.03	4.450	3.77	5.95	1.88
1.467	3.77	2.967	48.03	4.467	3.77	5.97	1.88
1.483	3.77	2.983	48.03	4.483	3.77	5.98	1.88
1.500	3.77	3.000	48.03	4.500	3.77	6.00	1.88

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.147 (i)
TIME TO PEAK (hrs)= 3.633
RUNOFF VOLUME (mm)= 6.152
TOTAL RAINFALL (mm)= 46.855
RUNOFF COEFFICIENT = 0.131

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB	Area (ha)= 0.96	
STANDHYD (0204)	Total Imp(%)= 68.00	Dir. Conn.(%)= 47.00
ID= 1 DT= 1.0 min		

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.65	0.31
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.94	1.517	3.77	3.017	30.14	4.52	3.30
0.033	0.94	1.533	3.77	3.033	30.14	4.53	3.30
0.050	0.94	1.550	3.77	3.050	30.14	4.55	3.30
0.067	0.94	1.567	3.77	3.067	30.14	4.57	3.30
0.083	0.94	1.583	3.77	3.083	30.14	4.58	3.30
0.100	0.94	1.600	3.77	3.100	30.14	4.60	3.30
0.117	0.94	1.617	3.77	3.117	30.14	4.62	3.30
0.133	0.94	1.633	3.77	3.133	30.14	4.63	3.30
0.150	0.94	1.650	3.77	3.150	30.14	4.65	3.30
0.167	0.94	1.667	3.77	3.167	30.14	4.67	3.30
0.183	0.94	1.683	3.77	3.183	30.14	4.68	3.30
0.200	0.94	1.700	3.77	3.200	30.14	4.70	3.30
0.217	0.94	1.717	3.77	3.217	30.14	4.72	3.30
0.233	0.94	1.733	3.77	3.233	30.14	4.73	3.30
0.250	0.94	1.750	3.77	3.250	30.14	4.75	3.30
0.267	1.88	1.767	3.77	3.267	12.25	4.77	2.83
0.283	1.88	1.783	3.77	3.283	12.24	4.78	2.83
0.300	1.88	1.800	3.77	3.300	12.24	4.80	2.83
0.317	1.88	1.817	3.77	3.317	12.24	4.82	2.83
0.333	1.88	1.833	3.77	3.333	12.24	4.83	2.83
0.350	1.88	1.850	3.77	3.350	12.24	4.85	2.83
0.367	1.88	1.867	3.77	3.367	12.24	4.87	2.83
0.383	1.88	1.883	3.77	3.383	12.24	4.88	2.83
0.400	1.88	1.900	3.77	3.400	12.24	4.90	2.83
0.417	1.88	1.917	3.77	3.417	12.24	4.92	2.83
0.433	1.88	1.933	3.77	3.433	12.24	4.93	2.83
0.450	1.88	1.950	3.77	3.450	12.24	4.95	2.83
0.467	1.88	1.967	3.77	3.467	12.24	4.97	2.83
0.483	1.88	1.983	3.77	3.483	12.24	4.98	2.83
0.500	1.88	2.000	3.77	3.500	12.24	5.00	2.83
0.517	1.88	2.017	5.18	3.517	8.95	5.02	2.35
0.533	1.88	2.033	5.18	3.533	8.95	5.03	2.35
0.550	1.88	2.050	5.18	3.550	8.95	5.05	2.35
0.567	1.88	2.067	5.18	3.567	8.95	5.07	2.35
0.583	1.88	2.083	5.18	3.583	8.95	5.08	2.35
0.600	1.88	2.100	5.18	3.600	8.95	5.10	2.35
0.617	1.88	2.117	5.18	3.617	8.95	5.12	2.35
0.633	1.88	2.133	5.18	3.633	8.95	5.13	2.35
0.650	1.88	2.150	5.18	3.650	8.95	5.15	2.35
0.667	1.88	2.167	5.18	3.667	8.95	5.17	2.35
0.683	1.88	2.183	5.18	3.683	8.95	5.18	2.35
0.700	1.88	2.200	5.18	3.700	8.95	5.20	2.35

0.717	1.88	2.217	5.18	3.717	8.95	5.22	2.35
0.733	1.88	2.233	5.18	3.733	8.95	5.23	2.35
0.750	1.88	2.250	5.18	3.750	8.95	5.25	2.35
0.767	1.88	2.267	6.59	3.767	5.65	5.27	1.88
0.783	1.88	2.283	6.59	3.783	5.65	5.28	1.88
0.800	1.88	2.300	6.59	3.800	5.65	5.30	1.88
0.817	1.88	2.317	6.59	3.817	5.65	5.32	1.88
0.833	1.88	2.333	6.59	3.833	5.65	5.33	1.88
0.850	1.88	2.350	6.59	3.850	5.65	5.35	1.88
0.867	1.88	2.367	6.59	3.867	5.65	5.37	1.88
0.883	1.88	2.383	6.59	3.883	5.65	5.38	1.88
0.900	1.88	2.400	6.59	3.900	5.65	5.40	1.88
0.917	1.88	2.417	6.59	3.917	5.65	5.42	1.88
0.933	1.88	2.433	6.59	3.933	5.65	5.43	1.88
0.950	1.88	2.450	6.59	3.950	5.65	5.45	1.88
0.967	1.88	2.467	6.59	3.967	5.65	5.47	1.88
0.983	1.88	2.483	6.59	3.983	5.65	5.48	1.88
1.000	1.88	2.500	6.59	4.000	5.65	5.50	1.88
1.017	2.83	2.517	27.31	4.017	4.71	5.52	1.88
1.033	2.83	2.533	27.31	4.033	4.71	5.53	1.88
1.050	2.83	2.550	27.31	4.050	4.71	5.55	1.88
1.067	2.83	2.567	27.31	4.067	4.71	5.57	1.88
1.083	2.83	2.583	27.31	4.083	4.71	5.58	1.88
1.100	2.83	2.600	27.31	4.100	4.71	5.60	1.88
1.117	2.83	2.617	27.31	4.117	4.71	5.62	1.88
1.133	2.83	2.633	27.31	4.133	4.71	5.63	1.88
1.150	2.83	2.650	27.31	4.150	4.71	5.65	1.88
1.167	2.83	2.667	27.31	4.167	4.71	5.67	1.88
1.183	2.83	2.683	27.31	4.183	4.71	5.68	1.88
1.200	2.83	2.700	27.31	4.200	4.71	5.70	1.88
1.217	2.83	2.717	27.31	4.217	4.71	5.72	1.88
1.233	2.83	2.733	27.31	4.233	4.71	5.73	1.88
1.250	2.83	2.750	27.31	4.250	4.71	5.75	1.88
1.267	3.77	2.767	48.03	4.267	3.77	5.77	1.88
1.283	3.77	2.783	48.03	4.283	3.77	5.78	1.88
1.300	3.77	2.800	48.03	4.300	3.77	5.80	1.88
1.317	3.77	2.817	48.03	4.317	3.77	5.82	1.88
1.333	3.77	2.833	48.03	4.333	3.77	5.83	1.88
1.350	3.77	2.850	48.03	4.350	3.77	5.85	1.88
1.367	3.77	2.867	48.03	4.367	3.77	5.87	1.88
1.383	3.77	2.883	48.03	4.383	3.77	5.88	1.88
1.400	3.77	2.900	48.03	4.400	3.77	5.90	1.88
1.417	3.77	2.917	48.03	4.417	3.77	5.92	1.88
1.433	3.77	2.933	48.03	4.433	3.77	5.93	1.88
1.450	3.77	2.950	48.03	4.450	3.77	5.95	1.88
1.467	3.77	2.967	48.03	4.467	3.77	5.97	1.88
1.483	3.77	2.983	48.03	4.483	3.77	5.98	1.88
1.500	3.77	3.000	48.03	4.500	3.77	6.00	1.88

Max.Eff.Inten.(mm/hr)=	48.03	19.63	
over (min)	6.00	15.00	
Storage Coeff. (min)=	6.18 (ii)	14.30 (ii)	
Unit Hyd. Tpeak (min)=	6.00	15.00	
Unit Hyd. peak (cms)=	0.18	0.08	
			TOTALS
PEAK FLOW (cms)=	0.06	0.01	0.064 (iii)
TIME TO PEAK (hrs)=	3.02	3.32	3.03
RUNOFF VOLUME (mm)=	44.85	11.01	26.91
TOTAL RAINFALL (mm)=	46.85	46.85	46.85
RUNOFF COEFFICIENT =	0.96	0.24	0.57

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3				
ID1= 1 (0204):	0.96	0.064	3.03	26.91
+ ID2= 2 (0205):	14.50	0.147	3.63	6.15
ID = 3 (0017):	15.46	0.172	3.55	7.44

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)

3 + 2 = 1	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 3 (0017):	15.46	0.172	3.55	7.44
+ ID2= 2 (0087):	15.86	0.258	3.52	9.02
=====				
ID = 1 (0017):	31.32	0.429	3.53	8.24

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB STANDHYD (0012) ID= 1 DT= 1.0 min	Area (ha)= 1.18 Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	4.60
Average Slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.94	1.517	3.77	3.017	30.14	4.52	3.30
0.033	0.94	1.533	3.77	3.033	30.14	4.53	3.30
0.050	0.94	1.550	3.77	3.050	30.14	4.55	3.30
0.067	0.94	1.567	3.77	3.067	30.14	4.57	3.30
0.083	0.94	1.583	3.77	3.083	30.14	4.58	3.30
0.100	0.94	1.600	3.77	3.100	30.14	4.60	3.30
0.117	0.94	1.617	3.77	3.117	30.14	4.62	3.30
0.133	0.94	1.633	3.77	3.133	30.14	4.63	3.30
0.150	0.94	1.650	3.77	3.150	30.14	4.65	3.30
0.167	0.94	1.667	3.77	3.167	30.14	4.67	3.30
0.183	0.94	1.683	3.77	3.183	30.14	4.68	3.30
0.200	0.94	1.700	3.77	3.200	30.14	4.70	3.30
0.217	0.94	1.717	3.77	3.217	30.14	4.72	3.30
0.233	0.94	1.733	3.77	3.233	30.14	4.73	3.30
0.250	0.94	1.750	3.77	3.250	30.14	4.75	3.30
0.267	1.88	1.767	3.77	3.267	12.24	4.77	2.83
0.283	1.88	1.783	3.77	3.283	12.24	4.78	2.83
0.300	1.88	1.800	3.77	3.300	12.24	4.80	2.83
0.317	1.88	1.817	3.77	3.317	12.24	4.82	2.83
0.333	1.88	1.833	3.77	3.333	12.24	4.83	2.83
0.350	1.88	1.850	3.77	3.350	12.24	4.85	2.83
0.367	1.88	1.867	3.77	3.367	12.24	4.87	2.83
0.383	1.88	1.883	3.77	3.383	12.24	4.88	2.83
0.400	1.88	1.900	3.77	3.400	12.24	4.90	2.83
0.417	1.88	1.917	3.77	3.417	12.24	4.92	2.83
0.433	1.88	1.933	3.77	3.433	12.24	4.93	2.83
0.450	1.88	1.950	3.77	3.450	12.24	4.95	2.83
0.467	1.88	1.967	3.77	3.467	12.24	4.97	2.83
0.483	1.88	1.983	3.77	3.483	12.24	4.98	2.83
0.500	1.88	2.000	3.77	3.500	12.24	5.00	2.83
0.517	1.88	2.017	5.18	3.517	8.95	5.02	2.35
0.533	1.88	2.033	5.18	3.533	8.95	5.03	2.35
0.550	1.88	2.050	5.18	3.550	8.95	5.05	2.35
0.567	1.88	2.067	5.18	3.567	8.95	5.07	2.35
0.583	1.88	2.083	5.18	3.583	8.95	5.08	2.35
0.600	1.88	2.100	5.18	3.600	8.95	5.10	2.35
0.617	1.88	2.117	5.18	3.617	8.95	5.12	2.35
0.633	1.88	2.133	5.18	3.633	8.95	5.13	2.35
0.650	1.88	2.150	5.18	3.650	8.95	5.15	2.35
0.667	1.88	2.167	5.18	3.667	8.95	5.17	2.35
0.683	1.88	2.183	5.18	3.683	8.95	5.18	2.35
0.700	1.88	2.200	5.18	3.700	8.95	5.20	2.35
0.717	1.88	2.217	5.18	3.717	8.95	5.22	2.35
0.733	1.88	2.233	5.18	3.733	8.95	5.23	2.35
0.750	1.88	2.250	5.18	3.750	8.95	5.25	2.35
0.767	1.88	2.267	6.59	3.767	5.65	5.27	1.88
0.783	1.88	2.283	6.59	3.783	5.65	5.28	1.88
0.800	1.88	2.300	6.59	3.800	5.65	5.30	1.88
0.817	1.88	2.317	6.59	3.817	5.65	5.32	1.88
0.833	1.88	2.333	6.59	3.833	5.65	5.33	1.88
0.850	1.88	2.350	6.59	3.850	5.65	5.35	1.88
0.867	1.88	2.367	6.59	3.867	5.65	5.37	1.88
0.883	1.88	2.383	6.59	3.883	5.65	5.38	1.88
0.900	1.88	2.400	6.59	3.900	5.65	5.40	1.88
0.917	1.88	2.417	6.59	3.917	5.65	5.42	1.88
0.933	1.88	2.433	6.59	3.933	5.65	5.43	1.88
0.950	1.88	2.450	6.59	3.950	5.65	5.45	1.88

0.967	1.88	2.467	6.59	3.967	5.65	5.47	1.88
0.983	1.88	2.483	6.59	3.983	5.65	5.48	1.88
1.000	1.88	2.500	6.59	4.000	5.65	5.50	1.88
1.017	2.83	2.517	27.31	4.017	4.71	5.52	1.88
1.033	2.83	2.533	27.31	4.033	4.71	5.53	1.88
1.050	2.83	2.550	27.31	4.050	4.71	5.55	1.88
1.067	2.83	2.567	27.31	4.067	4.71	5.57	1.88
1.083	2.83	2.583	27.31	4.083	4.71	5.58	1.88
1.100	2.83	2.600	27.31	4.100	4.71	5.60	1.88
1.117	2.83	2.617	27.31	4.117	4.71	5.62	1.88
1.133	2.83	2.633	27.31	4.133	4.71	5.63	1.88
1.150	2.83	2.650	27.31	4.150	4.71	5.65	1.88
1.167	2.83	2.667	27.31	4.167	4.71	5.67	1.88
1.183	2.83	2.683	27.31	4.183	4.71	5.68	1.88
1.200	2.83	2.700	27.31	4.200	4.71	5.70	1.88
1.217	2.83	2.717	27.31	4.217	4.71	5.72	1.88
1.233	2.83	2.733	27.31	4.233	4.71	5.73	1.88
1.250	2.83	2.750	27.31	4.250	4.71	5.75	1.88
1.267	3.77	2.767	48.03	4.267	3.77	5.77	1.88
1.283	3.77	2.783	48.03	4.283	3.77	5.78	1.88
1.300	3.77	2.800	48.03	4.300	3.77	5.80	1.88
1.317	3.77	2.817	48.03	4.317	3.77	5.82	1.88
1.333	3.77	2.833	48.03	4.333	3.77	5.83	1.88
1.350	3.77	2.850	48.03	4.350	3.77	5.85	1.88
1.367	3.77	2.867	48.03	4.367	3.77	5.87	1.88
1.383	3.77	2.883	48.03	4.383	3.77	5.88	1.88
1.400	3.77	2.900	48.03	4.400	3.77	5.90	1.88
1.417	3.77	2.917	48.03	4.417	3.77	5.92	1.88
1.433	3.77	2.933	48.03	4.433	3.77	5.93	1.88
1.450	3.77	2.950	48.03	4.450	3.77	5.95	1.88
1.467	3.77	2.967	48.03	4.467	3.77	5.97	1.88
1.483	3.77	2.983	48.03	4.483	3.77	5.98	1.88
1.500	3.77	3.000	48.03	4.500	3.77	6.00	1.88

Max.Eff.Inten.(mm/hr)= 48.03 6.60
over (min) 5.00 25.00
Storage Coeff. (min)= 3.19 (ii) 24.12 (ii)
Unit Hyd. Tpeak (min)= 5.00 25.00
Unit Hyd. peak (cms)= 0.30 0.05

TOTALS

PEAK FLOW (cms)= 0.03 0.01 0.038 (iii)
TIME TO PEAK (hrs)= 3.00 3.52 3.00
RUNOFF VOLUME (mm)= 44.86 6.90 15.24
TOTAL RAINFALL (mm)= 46.85 46.85 46.85
RUNOFF COEFFICIENT = 0.96 0.15 0.33

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0203)
ID= 1 DT= 1.0 min

Area (ha)= 17.16
Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.21	9.95
Dep. Storage	(mm)=	2.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	267.45	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.94	1.517	3.77	3.017	30.14	4.52	3.30
0.033	0.94	1.533	3.77	3.033	30.14	4.53	3.30
0.050	0.94	1.550	3.77	3.050	30.14	4.55	3.30
0.067	0.94	1.567	3.77	3.067	30.14	4.57	3.30
0.083	0.94	1.583	3.77	3.083	30.14	4.58	3.30
0.100	0.94	1.600	3.77	3.100	30.14	4.60	3.30
0.117	0.94	1.617	3.77	3.117	30.14	4.62	3.30
0.133	0.94	1.633	3.77	3.133	30.14	4.63	3.30
0.150	0.94	1.650	3.77	3.150	30.14	4.65	3.30
0.167	0.94	1.667	3.77	3.167	30.14	4.67	3.30
0.183	0.94	1.683	3.77	3.183	30.14	4.68	3.30
0.200	0.94	1.700	3.77	3.200	30.14	4.70	3.30

0.217	0.94	1.717	3.77	3.217	30.14	4.72	3.30
0.233	0.94	1.733	3.77	3.233	30.14	4.73	3.30
0.250	0.94	1.750	3.77	3.250	30.14	4.75	3.30
0.267	1.88	1.767	3.77	3.267	12.25	4.77	2.83
0.283	1.88	1.783	3.77	3.283	12.24	4.78	2.83
0.300	1.88	1.800	3.77	3.300	12.24	4.80	2.83
0.317	1.88	1.817	3.77	3.317	12.24	4.82	2.83
0.333	1.88	1.833	3.77	3.333	12.24	4.83	2.83
0.350	1.88	1.850	3.77	3.350	12.24	4.85	2.83
0.367	1.88	1.867	3.77	3.367	12.24	4.87	2.83
0.383	1.88	1.883	3.77	3.383	12.24	4.88	2.83
0.400	1.88	1.900	3.77	3.400	12.24	4.90	2.83
0.417	1.88	1.917	3.77	3.417	12.24	4.92	2.83
0.433	1.88	1.933	3.77	3.433	12.24	4.93	2.83
0.450	1.88	1.950	3.77	3.450	12.24	4.95	2.83
0.467	1.88	1.967	3.77	3.467	12.24	4.97	2.83
0.483	1.88	1.983	3.77	3.483	12.24	4.98	2.83
0.500	1.88	2.000	3.77	3.500	12.24	5.00	2.83
0.517	1.88	2.017	5.18	3.517	8.95	5.02	2.35
0.533	1.88	2.033	5.18	3.533	8.95	5.03	2.35
0.550	1.88	2.050	5.18	3.550	8.95	5.05	2.35
0.567	1.88	2.067	5.18	3.567	8.95	5.07	2.35
0.583	1.88	2.083	5.18	3.583	8.95	5.08	2.35
0.600	1.88	2.100	5.18	3.600	8.95	5.10	2.35
0.617	1.88	2.117	5.18	3.617	8.95	5.12	2.35
0.633	1.88	2.133	5.18	3.633	8.95	5.13	2.35
0.650	1.88	2.150	5.18	3.650	8.95	5.15	2.35
0.667	1.88	2.167	5.18	3.667	8.95	5.17	2.35
0.683	1.88	2.183	5.18	3.683	8.95	5.18	2.35
0.700	1.88	2.200	5.18	3.700	8.95	5.20	2.35
0.717	1.88	2.217	5.18	3.717	8.95	5.22	2.35
0.733	1.88	2.233	5.18	3.733	8.95	5.23	2.35
0.750	1.88	2.250	5.18	3.750	8.95	5.25	2.35
0.767	1.88	2.267	6.59	3.767	5.65	5.27	1.88
0.783	1.88	2.283	6.59	3.783	5.65	5.28	1.88
0.800	1.88	2.300	6.59	3.800	5.65	5.30	1.88
0.817	1.88	2.317	6.59	3.817	5.65	5.32	1.88
0.833	1.88	2.333	6.59	3.833	5.65	5.33	1.88
0.850	1.88	2.350	6.59	3.850	5.65	5.35	1.88
0.867	1.88	2.367	6.59	3.867	5.65	5.37	1.88
0.883	1.88	2.383	6.59	3.883	5.65	5.38	1.88
0.900	1.88	2.400	6.59	3.900	5.65	5.40	1.88
0.917	1.88	2.417	6.59	3.917	5.65	5.42	1.88
0.933	1.88	2.433	6.59	3.933	5.65	5.43	1.88
0.950	1.88	2.450	6.59	3.950	5.65	5.45	1.88
0.967	1.88	2.467	6.59	3.967	5.65	5.47	1.88
0.983	1.88	2.483	6.59	3.983	5.65	5.48	1.88
1.000	1.88	2.500	6.59	4.000	5.65	5.50	1.88
1.017	2.83	2.517	27.31	4.017	4.71	5.52	1.88
1.033	2.83	2.533	27.31	4.033	4.71	5.53	1.88
1.050	2.83	2.550	27.31	4.050	4.71	5.55	1.88
1.067	2.83	2.567	27.31	4.067	4.71	5.57	1.88
1.083	2.83	2.583	27.31	4.083	4.71	5.58	1.88
1.100	2.83	2.600	27.31	4.100	4.71	5.60	1.88
1.117	2.83	2.617	27.31	4.117	4.71	5.62	1.88
1.133	2.83	2.633	27.31	4.133	4.71	5.63	1.88
1.150	2.83	2.650	27.31	4.150	4.71	5.65	1.88
1.167	2.83	2.667	27.31	4.167	4.71	5.67	1.88
1.183	2.83	2.683	27.31	4.183	4.71	5.68	1.88
1.200	2.83	2.700	27.31	4.200	4.71	5.70	1.88
1.217	2.83	2.717	27.31	4.217	4.71	5.72	1.88
1.233	2.83	2.733	27.31	4.233	4.71	5.73	1.88
1.250	2.83	2.750	27.31	4.250	4.71	5.75	1.88
1.267	3.77	2.767	48.03	4.267	3.77	5.77	1.88
1.283	3.77	2.783	48.03	4.283	3.77	5.78	1.88
1.300	3.77	2.800	48.03	4.300	3.77	5.80	1.88
1.317	3.77	2.817	48.03	4.317	3.77	5.82	1.88
1.333	3.77	2.833	48.03	4.333	3.77	5.83	1.88
1.350	3.77	2.850	48.03	4.350	3.77	5.85	1.88
1.367	3.77	2.867	48.03	4.367	3.77	5.87	1.88
1.383	3.77	2.883	48.03	4.383	3.77	5.88	1.88
1.400	3.77	2.900	48.03	4.400	3.77	5.90	1.88
1.417	3.77	2.917	48.03	4.417	3.77	5.92	1.88
1.433	3.77	2.933	48.03	4.433	3.77	5.93	1.88
1.450	3.77	2.950	48.03	4.450	3.77	5.95	1.88
1.467	3.77	2.967	48.03	4.467	3.77	5.97	1.88
1.483	3.77	2.983	48.03	4.483	3.77	5.98	1.88
1.500	3.77	3.000	48.03	4.500	3.77	6.00	1.88

Max.Eff.Inten.(mm/hr)= 48.03 9.50
 over (min) 6.00 25.00
 Storage Coeff. (min)= 6.18 (ii) 24.28 (ii)
 Unit Hyd. Tpeak (min)= 6.00 25.00
 Unit Hyd. peak (cms)= 0.18 0.05

PEAK FLOW	(cms)=	0.64	0.17	*TOTALS*
TIME TO PEAK	(hrs)=	3.02	3.52	0.706 (iii)
RUNOFF VOLUME	(mm)=	44.85	8.22	3.03
TOTAL RAINFALL	(mm)=	46.85	46.85	19.21
RUNOFF COEFFICIENT	=	0.96	0.18	46.85
				0.41

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)				
1 + 2 = 3				
ID1= 1 (0012):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
+ ID2= 2 (0203):	1.18	0.038	3.00	15.24
	17.16	0.706	3.03	19.21
ID = 3 (0082):	18.34	0.743	3.03	18.95

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 5.0 min				
	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	0.0940	0.3600
	0.0120	0.2100	0.1210	0.4000
	0.0550	0.2600	0.1500	0.4500
	0.0620	0.3000	0.3000	0.7210
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0082)	18.340	0.743	3.03	18.95
OUTFLOW: ID= 1 (0002)	18.340	0.060	5.67	11.46

PEAK FLOW REDUCTION [Qout/Qin](%)= 8.10
 TIME SHIFT OF PEAK FLOW (min)=158.00
 MAXIMUM STORAGE USED (ha.m.)= 0.2899

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)				
1 + 2 = 3				
ID1= 1 (0017):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
+ ID2= 2 (0002):	31.32	0.429	3.53	8.24
	18.34	0.060	5.67	11.46
ID = 3 (0089):	49.66	0.446	3.58	9.43

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:2.3 SCS II 6hr 10yr **

CALIB			
NASHYD (0087)	Area (ha)=	15.86	Curve Number (CN)= 62.0
ID= 1 DT= 1.0 min	Ia (mm)=	4.60	# of Linear Res.(N)= 3.00
	U.H. Tp(hrs)=	0.40	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.08	1.517	4.33	3.017	34.65	4.52	3.79
0.033	1.08	1.533	4.33	3.033	34.64	4.53	3.79
0.050	1.08	1.550	4.33	3.050	34.64	4.55	3.79
0.067	1.08	1.567	4.33	3.067	34.64	4.57	3.79
0.083	1.08	1.583	4.33	3.083	34.64	4.58	3.79
0.100	1.08	1.600	4.33	3.100	34.64	4.60	3.79
0.117	1.08	1.617	4.33	3.117	34.64	4.62	3.79
0.133	1.08	1.633	4.33	3.133	34.64	4.63	3.79
0.150	1.08	1.650	4.33	3.150	34.64	4.65	3.79

0.167	1.08	1.667	4.33	3.167	34.64	4.67	3.79
0.183	1.08	1.683	4.33	3.183	34.64	4.68	3.79
0.200	1.08	1.700	4.33	3.200	34.64	4.70	3.79
0.217	1.08	1.717	4.33	3.217	34.64	4.72	3.79
0.233	1.08	1.733	4.33	3.233	34.64	4.73	3.79
0.250	1.08	1.750	4.33	3.250	34.64	4.75	3.79
0.267	2.17	1.767	4.33	3.267	14.08	4.77	3.25
0.283	2.17	1.783	4.33	3.283	14.07	4.78	3.25
0.300	2.17	1.800	4.33	3.300	14.07	4.80	3.25
0.317	2.17	1.817	4.33	3.317	14.07	4.82	3.25
0.333	2.17	1.833	4.33	3.333	14.07	4.83	3.25
0.350	2.17	1.850	4.33	3.350	14.07	4.85	3.25
0.367	2.17	1.867	4.33	3.367	14.07	4.87	3.25
0.383	2.17	1.883	4.33	3.383	14.07	4.88	3.25
0.400	2.17	1.900	4.33	3.400	14.07	4.90	3.25
0.417	2.17	1.917	4.33	3.417	14.07	4.92	3.25
0.433	2.17	1.933	4.33	3.433	14.07	4.93	3.25
0.450	2.17	1.950	4.33	3.450	14.07	4.95	3.25
0.467	2.17	1.967	4.33	3.467	14.07	4.97	3.25
0.483	2.17	1.983	4.33	3.483	14.07	4.98	3.25
0.500	2.17	2.000	4.33	3.500	14.07	5.00	3.25
0.517	2.17	2.017	5.95	3.517	10.29	5.02	2.71
0.533	2.17	2.033	5.95	3.533	10.28	5.03	2.71
0.550	2.17	2.050	5.95	3.550	10.28	5.05	2.71
0.567	2.17	2.067	5.95	3.567	10.28	5.07	2.71
0.583	2.17	2.083	5.95	3.583	10.28	5.08	2.71
0.600	2.17	2.100	5.95	3.600	10.28	5.10	2.71
0.617	2.17	2.117	5.95	3.617	10.28	5.12	2.71
0.633	2.17	2.133	5.95	3.633	10.28	5.13	2.71
0.650	2.17	2.150	5.95	3.650	10.28	5.15	2.71
0.667	2.17	2.167	5.95	3.667	10.28	5.17	2.71
0.683	2.17	2.183	5.95	3.683	10.28	5.18	2.71
0.700	2.17	2.200	5.95	3.700	10.28	5.20	2.71
0.717	2.17	2.217	5.95	3.717	10.28	5.22	2.71
0.733	2.17	2.233	5.95	3.733	10.28	5.23	2.71
0.750	2.17	2.250	5.95	3.750	10.28	5.25	2.71
0.767	2.17	2.267	7.58	3.767	6.50	5.27	2.17
0.783	2.17	2.283	7.58	3.783	6.50	5.28	2.17
0.800	2.17	2.300	7.58	3.800	6.50	5.30	2.17
0.817	2.17	2.317	7.58	3.817	6.50	5.32	2.17
0.833	2.17	2.333	7.58	3.833	6.50	5.33	2.17
0.850	2.17	2.350	7.58	3.850	6.50	5.35	2.17
0.867	2.17	2.367	7.58	3.867	6.50	5.37	2.17
0.883	2.17	2.383	7.58	3.883	6.50	5.38	2.17
0.900	2.17	2.400	7.58	3.900	6.50	5.40	2.17
0.917	2.17	2.417	7.58	3.917	6.50	5.42	2.17
0.933	2.17	2.433	7.58	3.933	6.50	5.43	2.17
0.950	2.17	2.450	7.58	3.950	6.50	5.45	2.17
0.967	2.17	2.467	7.58	3.967	6.50	5.47	2.17
0.983	2.17	2.483	7.58	3.983	6.50	5.48	2.17
1.000	2.17	2.500	7.58	4.000	6.50	5.50	2.17
1.017	3.25	2.517	31.39	4.017	5.41	5.52	2.17
1.033	3.25	2.533	31.40	4.033	5.41	5.53	2.17
1.050	3.25	2.550	31.40	4.050	5.41	5.55	2.17
1.067	3.25	2.567	31.40	4.067	5.41	5.57	2.17
1.083	3.25	2.583	31.40	4.083	5.41	5.58	2.17
1.100	3.25	2.600	31.40	4.100	5.41	5.60	2.17
1.117	3.25	2.617	31.40	4.117	5.41	5.62	2.17
1.133	3.25	2.633	31.40	4.133	5.41	5.63	2.17
1.150	3.25	2.650	31.40	4.150	5.41	5.65	2.17
1.167	3.25	2.667	31.40	4.167	5.41	5.67	2.17
1.183	3.25	2.683	31.40	4.183	5.41	5.68	2.17
1.200	3.25	2.700	31.40	4.200	5.41	5.70	2.17
1.217	3.25	2.717	31.40	4.217	5.41	5.72	2.17
1.233	3.25	2.733	31.40	4.233	5.41	5.73	2.17
1.250	3.25	2.750	31.40	4.250	5.41	5.75	2.17
1.267	4.33	2.767	55.21	4.267	4.33	5.77	2.17
1.283	4.33	2.783	55.21	4.283	4.33	5.78	2.17
1.300	4.33	2.800	55.21	4.300	4.33	5.80	2.17
1.317	4.33	2.817	55.21	4.317	4.33	5.82	2.17
1.333	4.33	2.833	55.21	4.333	4.33	5.83	2.17
1.350	4.33	2.850	55.21	4.350	4.33	5.85	2.17
1.367	4.33	2.867	55.21	4.367	4.33	5.87	2.17
1.383	4.33	2.883	55.21	4.383	4.33	5.88	2.17
1.400	4.33	2.900	55.21	4.400	4.33	5.90	2.17
1.417	4.33	2.917	55.21	4.417	4.33	5.92	2.17
1.433	4.33	2.933	55.21	4.433	4.33	5.93	2.17
1.450	4.33	2.950	55.21	4.450	4.33	5.95	2.17
1.467	4.33	2.967	55.21	4.467	4.33	5.97	2.17
1.483	4.33	2.983	55.21	4.483	4.33	5.98	2.17
1.500	4.33	3.000	55.21	4.500	4.33	6.00	2.16

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.340 (i)
 TIME TO PEAK (hrs)= 3.517
 RUNOFF VOLUME (mm)= 11.840
 TOTAL RAINFALL (mm)= 53.859
 RUNOFF COEFFICIENT = 0.220

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.08	1.517	4.33	3.017	34.65	4.52	3.79
0.033	1.08	1.533	4.33	3.033	34.64	4.53	3.79
0.050	1.08	1.550	4.33	3.050	34.64	4.55	3.79
0.067	1.08	1.567	4.33	3.067	34.64	4.57	3.79
0.083	1.08	1.583	4.33	3.083	34.64	4.58	3.79
0.100	1.08	1.600	4.33	3.100	34.64	4.60	3.79
0.117	1.08	1.617	4.33	3.117	34.64	4.62	3.79
0.133	1.08	1.633	4.33	3.133	34.64	4.63	3.79
0.150	1.08	1.650	4.33	3.150	34.64	4.65	3.79
0.167	1.08	1.667	4.33	3.167	34.64	4.67	3.79
0.183	1.08	1.683	4.33	3.183	34.64	4.68	3.79
0.200	1.08	1.700	4.33	3.200	34.64	4.70	3.79
0.217	1.08	1.717	4.33	3.217	34.64	4.72	3.79
0.233	1.08	1.733	4.33	3.233	34.64	4.73	3.79
0.250	1.08	1.750	4.33	3.250	34.64	4.75	3.79
0.267	2.17	1.767	4.33	3.267	14.08	4.77	3.25
0.283	2.17	1.783	4.33	3.283	14.07	4.78	3.25
0.300	2.17	1.800	4.33	3.300	14.07	4.80	3.25
0.317	2.17	1.817	4.33	3.317	14.07	4.82	3.25
0.333	2.17	1.833	4.33	3.333	14.07	4.83	3.25
0.350	2.17	1.850	4.33	3.350	14.07	4.85	3.25
0.367	2.17	1.867	4.33	3.367	14.07	4.87	3.25
0.383	2.17	1.883	4.33	3.383	14.07	4.88	3.25
0.400	2.17	1.900	4.33	3.400	14.07	4.90	3.25
0.417	2.17	1.917	4.33	3.417	14.07	4.92	3.25
0.433	2.17	1.933	4.33	3.433	14.07	4.93	3.25
0.450	2.17	1.950	4.33	3.450	14.07	4.95	3.25
0.467	2.17	1.967	4.33	3.467	14.07	4.97	3.25
0.483	2.17	1.983	4.33	3.483	14.07	4.98	3.25
0.500	2.17	2.000	4.33	3.500	14.07	5.00	3.25
0.517	2.17	2.017	5.95	3.517	10.29	5.02	2.71
0.533	2.17	2.033	5.95	3.533	10.28	5.03	2.71
0.550	2.17	2.050	5.95	3.550	10.28	5.05	2.71
0.567	2.17	2.067	5.95	3.567	10.28	5.07	2.71
0.583	2.17	2.083	5.95	3.583	10.28	5.08	2.71
0.600	2.17	2.100	5.95	3.600	10.28	5.10	2.71
0.617	2.17	2.117	5.95	3.617	10.28	5.12	2.71
0.633	2.17	2.133	5.95	3.633	10.28	5.13	2.71
0.650	2.17	2.150	5.95	3.650	10.28	5.15	2.71
0.667	2.17	2.167	5.95	3.667	10.28	5.17	2.71
0.683	2.17	2.183	5.95	3.683	10.28	5.18	2.71
0.700	2.17	2.200	5.95	3.700	10.28	5.20	2.71
0.717	2.17	2.217	5.95	3.717	10.28	5.22	2.71
0.733	2.17	2.233	5.95	3.733	10.28	5.23	2.71
0.750	2.17	2.250	5.95	3.750	10.28	5.25	2.71
0.767	2.17	2.267	7.58	3.767	6.50	5.27	2.17
0.783	2.17	2.283	7.58	3.783	6.50	5.28	2.17
0.800	2.17	2.300	7.58	3.800	6.50	5.30	2.17
0.817	2.17	2.317	7.58	3.817	6.50	5.32	2.17
0.833	2.17	2.333	7.58	3.833	6.50	5.33	2.17
0.850	2.17	2.350	7.58	3.850	6.50	5.35	2.17
0.867	2.17	2.367	7.58	3.867	6.50	5.37	2.17
0.883	2.17	2.383	7.58	3.883	6.50	5.38	2.17
0.900	2.17	2.400	7.58	3.900	6.50	5.40	2.17
0.917	2.17	2.417	7.58	3.917	6.50	5.42	2.17
0.933	2.17	2.433	7.58	3.933	6.50	5.43	2.17
0.950	2.17	2.450	7.58	3.950	6.50	5.45	2.17
0.967	2.17	2.467	7.58	3.967	6.50	5.47	2.17
0.983	2.17	2.483	7.58	3.983	6.50	5.48	2.17
1.000	2.17	2.500	7.58	4.000	6.50	5.50	2.17
1.017	3.25	2.517	31.39	4.017	5.41	5.52	2.17
1.033	3.25	2.533	31.40	4.033	5.41	5.53	2.17
1.050	3.25	2.550	31.40	4.050	5.41	5.55	2.17

1.067	3.25	2.567	31.40	4.067	5.41	5.57	2.17
1.083	3.25	2.583	31.40	4.083	5.41	5.58	2.17
1.100	3.25	2.600	31.40	4.100	5.41	5.60	2.17
1.117	3.25	2.617	31.40	4.117	5.41	5.62	2.17
1.133	3.25	2.633	31.40	4.133	5.41	5.63	2.17
1.150	3.25	2.650	31.40	4.150	5.41	5.65	2.17
1.167	3.25	2.667	31.40	4.167	5.41	5.67	2.17
1.183	3.25	2.683	31.40	4.183	5.41	5.68	2.17
1.200	3.25	2.700	31.40	4.200	5.41	5.70	2.17
1.217	3.25	2.717	31.40	4.217	5.41	5.72	2.17
1.233	3.25	2.733	31.40	4.233	5.41	5.73	2.17
1.250	3.25	2.750	31.40	4.250	5.41	5.75	2.17
1.267	4.33	2.767	55.21	4.267	4.33	5.77	2.17
1.283	4.33	2.783	55.21	4.283	4.33	5.78	2.17
1.300	4.33	2.800	55.21	4.300	4.33	5.80	2.17
1.317	4.33	2.817	55.21	4.317	4.33	5.82	2.17
1.333	4.33	2.833	55.21	4.333	4.33	5.83	2.17
1.350	4.33	2.850	55.21	4.350	4.33	5.85	2.17
1.367	4.33	2.867	55.21	4.367	4.33	5.87	2.17
1.383	4.33	2.883	55.21	4.383	4.33	5.88	2.17
1.400	4.33	2.900	55.21	4.400	4.33	5.90	2.17
1.417	4.33	2.917	55.21	4.417	4.33	5.92	2.17
1.433	4.33	2.933	55.21	4.433	4.33	5.93	2.17
1.450	4.33	2.950	55.21	4.450	4.33	5.95	2.17
1.467	4.33	2.967	55.21	4.467	4.33	5.97	2.17
1.483	4.33	2.983	55.21	4.483	4.33	5.98	2.17
1.500	4.33	3.000	55.21	4.500	4.33	6.00	2.16

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.205 (i)
TIME TO PEAK (hrs)= 3.617
RUNOFF VOLUME (mm)= 8.445
TOTAL RAINFALL (mm)= 53.859
RUNOFF COEFFICIENT = 0.157

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
STANDHYD (0204)			
ID= 1 DT= 1.0 min			
		Area (ha)= 0.96	
		Total Imp(%)= 68.00	Dir. Conn.(%)= 47.00
		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.65	0.31
Dep. Storage	(mm)=	2.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	267.45	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.08	1.517	4.33	3.017	34.65	4.52	3.79
0.033	1.08	1.533	4.33	3.033	34.64	4.53	3.79
0.050	1.08	1.550	4.33	3.050	34.64	4.55	3.79
0.067	1.08	1.567	4.33	3.067	34.64	4.57	3.79
0.083	1.08	1.583	4.33	3.083	34.64	4.58	3.79
0.100	1.08	1.600	4.33	3.100	34.64	4.60	3.79
0.117	1.08	1.617	4.33	3.117	34.64	4.62	3.79
0.133	1.08	1.633	4.33	3.133	34.64	4.63	3.79
0.150	1.08	1.650	4.33	3.150	34.64	4.65	3.79
0.167	1.08	1.667	4.33	3.167	34.64	4.67	3.79
0.183	1.08	1.683	4.33	3.183	34.64	4.68	3.79
0.200	1.08	1.700	4.33	3.200	34.64	4.70	3.79
0.217	1.08	1.717	4.33	3.217	34.64	4.72	3.79
0.233	1.08	1.733	4.33	3.233	34.64	4.73	3.79
0.250	1.08	1.750	4.33	3.250	34.64	4.75	3.79
0.267	2.17	1.767	4.33	3.267	14.08	4.77	3.25
0.283	2.17	1.783	4.33	3.283	14.07	4.78	3.25
0.300	2.17	1.800	4.33	3.300	14.07	4.80	3.25
0.317	2.17	1.817	4.33	3.317	14.07	4.82	3.25
0.333	2.17	1.833	4.33	3.333	14.07	4.83	3.25
0.350	2.17	1.850	4.33	3.350	14.07	4.85	3.25
0.367	2.17	1.867	4.33	3.367	14.07	4.87	3.25
0.383	2.17	1.883	4.33	3.383	14.07	4.88	3.25
0.400	2.17	1.900	4.33	3.400	14.07	4.90	3.25
0.417	2.17	1.917	4.33	3.417	14.07	4.92	3.25
0.433	2.17	1.933	4.33	3.433	14.07	4.93	3.25
0.450	2.17	1.950	4.33	3.450	14.07	4.95	3.25

0.467	2.17	1.967	4.33	3.467	14.07	4.97	3.25
0.483	2.17	1.983	4.33	3.483	14.07	4.98	3.25
0.500	2.17	2.000	4.33	3.500	14.07	5.00	3.25
0.517	2.17	2.017	5.95	3.517	10.29	5.02	2.71
0.533	2.17	2.033	5.95	3.533	10.28	5.03	2.71
0.550	2.17	2.050	5.95	3.550	10.28	5.05	2.71
0.567	2.17	2.067	5.95	3.567	10.28	5.07	2.71
0.583	2.17	2.083	5.95	3.583	10.28	5.08	2.71
0.600	2.17	2.100	5.95	3.600	10.28	5.10	2.71
0.617	2.17	2.117	5.95	3.617	10.28	5.12	2.71
0.633	2.17	2.133	5.95	3.633	10.28	5.13	2.71
0.650	2.17	2.150	5.95	3.650	10.28	5.15	2.71
0.667	2.17	2.167	5.95	3.667	10.28	5.17	2.71
0.683	2.17	2.183	5.95	3.683	10.28	5.18	2.71
0.700	2.17	2.200	5.95	3.700	10.28	5.20	2.71
0.717	2.17	2.217	5.95	3.717	10.28	5.22	2.71
0.733	2.17	2.233	5.95	3.733	10.28	5.23	2.71
0.750	2.17	2.250	5.95	3.750	10.28	5.25	2.71
0.767	2.17	2.267	7.58	3.767	6.50	5.27	2.17
0.783	2.17	2.283	7.58	3.783	6.50	5.28	2.17
0.800	2.17	2.300	7.58	3.800	6.50	5.30	2.17
0.817	2.17	2.317	7.58	3.817	6.50	5.32	2.17
0.833	2.17	2.333	7.58	3.833	6.50	5.33	2.17
0.850	2.17	2.350	7.58	3.850	6.50	5.35	2.17
0.867	2.17	2.367	7.58	3.867	6.50	5.37	2.17
0.883	2.17	2.383	7.58	3.883	6.50	5.38	2.17
0.900	2.17	2.400	7.58	3.900	6.50	5.40	2.17
0.917	2.17	2.417	7.58	3.917	6.50	5.42	2.17
0.933	2.17	2.433	7.58	3.933	6.50	5.43	2.17
0.950	2.17	2.450	7.58	3.950	6.50	5.45	2.17
0.967	2.17	2.467	7.58	3.967	6.50	5.47	2.17
0.983	2.17	2.483	7.58	3.983	6.50	5.48	2.17
1.000	2.17	2.500	7.58	4.000	6.50	5.50	2.17
1.017	3.25	2.517	31.39	4.017	5.41	5.52	2.17
1.033	3.25	2.533	31.40	4.033	5.41	5.53	2.17
1.050	3.25	2.550	31.40	4.050	5.41	5.55	2.17
1.067	3.25	2.567	31.40	4.067	5.41	5.57	2.17
1.083	3.25	2.583	31.40	4.083	5.41	5.58	2.17
1.100	3.25	2.600	31.40	4.100	5.41	5.60	2.17
1.117	3.25	2.617	31.40	4.117	5.41	5.62	2.17
1.133	3.25	2.633	31.40	4.133	5.41	5.63	2.17
1.150	3.25	2.650	31.40	4.150	5.41	5.65	2.17
1.167	3.25	2.667	31.40	4.167	5.41	5.67	2.17
1.183	3.25	2.683	31.40	4.183	5.41	5.68	2.17
1.200	3.25	2.700	31.40	4.200	5.41	5.70	2.17
1.217	3.25	2.717	31.40	4.217	5.41	5.72	2.17
1.233	3.25	2.733	31.40	4.233	5.41	5.73	2.17
1.250	3.25	2.750	31.40	4.250	5.41	5.75	2.17
1.267	4.33	2.767	55.21	4.267	4.33	5.77	2.17
1.283	4.33	2.783	55.21	4.283	4.33	5.78	2.17
1.300	4.33	2.800	55.21	4.300	4.33	5.80	2.17
1.317	4.33	2.817	55.21	4.317	4.33	5.82	2.17
1.333	4.33	2.833	55.21	4.333	4.33	5.83	2.17
1.350	4.33	2.850	55.21	4.350	4.33	5.85	2.17
1.367	4.33	2.867	55.21	4.367	4.33	5.87	2.17
1.383	4.33	2.883	55.21	4.383	4.33	5.88	2.17
1.400	4.33	2.900	55.21	4.400	4.33	5.90	2.17
1.417	4.33	2.917	55.21	4.417	4.33	5.92	2.17
1.433	4.33	2.933	55.21	4.433	4.33	5.93	2.17
1.450	4.33	2.950	55.21	4.450	4.33	5.95	2.17
1.467	4.33	2.967	55.21	4.467	4.33	5.97	2.17
1.483	4.33	2.983	55.21	4.483	4.33	5.98	2.17
1.500	4.33	3.000	55.21	4.500	4.33	6.00	2.16

Max.Eff.Inten.(mm/hr)= 55.21 25.59
 over (min) 6.00 14.00
 Storage Coeff. (min)= 5.85 (ii) 13.52 (ii)
 Unit Hyd. Tpeak (min)= 6.00 14.00
 Unit Hyd. peak (cms)= 0.19 0.08

TOTALS
 PEAK FLOW (cms)= 0.07 0.02 0.076 (iii)
 TIME TO PEAK (hrs)= 3.02 3.28 3.03
 RUNOFF VOLUME (mm)= 51.86 14.24 31.91
 TOTAL RAINFALL (mm)= 53.86 53.86 53.86
 RUNOFF COEFFICIENT = 0.96 0.26 0.59

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
 (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
 (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0204):	0.96	0.076	3.03	31.91
+ ID2= 2 (0205):	14.50	0.205	3.62	8.44
=====				
ID = 3 (0017):	15.46	0.235	3.55	9.90

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 3 (0017):	15.46	0.235	3.55	9.90
+ ID2= 2 (0087):	15.86	0.340	3.52	11.84
=====				
ID = 1 (0017):	31.32	0.574	3.53	10.88

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB		STANDHYD (0012)	
ID= 1 DT= 1.0 min		Area (ha)= 1.18	
		Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.26	0.92
Dep. Storage	(mm)=	2.00	4.60
Average Slope	(%)=	1.00	2.00
Length	(m)=	88.84	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.08	1.517	4.33	3.017	34.65	4.52	3.79
0.033	1.08	1.533	4.33	3.033	34.64	4.53	3.79
0.050	1.08	1.550	4.33	3.050	34.64	4.55	3.79
0.067	1.08	1.567	4.33	3.067	34.64	4.57	3.79
0.083	1.08	1.583	4.33	3.083	34.64	4.58	3.79
0.100	1.08	1.600	4.33	3.100	34.64	4.60	3.79
0.117	1.08	1.617	4.33	3.117	34.64	4.62	3.79
0.133	1.08	1.633	4.33	3.133	34.64	4.63	3.79
0.150	1.08	1.650	4.33	3.150	34.64	4.65	3.79
0.167	1.08	1.667	4.33	3.167	34.64	4.67	3.79
0.183	1.08	1.683	4.33	3.183	34.64	4.68	3.79
0.200	1.08	1.700	4.33	3.200	34.64	4.70	3.79
0.217	1.08	1.717	4.33	3.217	34.64	4.72	3.79
0.233	1.08	1.733	4.33	3.233	34.64	4.73	3.79
0.250	1.08	1.750	4.33	3.250	34.64	4.75	3.79
0.267	2.17	1.767	4.33	3.267	14.08	4.77	3.25
0.283	2.17	1.783	4.33	3.283	14.07	4.78	3.25
0.300	2.17	1.800	4.33	3.300	14.07	4.80	3.25
0.317	2.17	1.817	4.33	3.317	14.07	4.82	3.25
0.333	2.17	1.833	4.33	3.333	14.07	4.83	3.25
0.350	2.17	1.850	4.33	3.350	14.07	4.85	3.25
0.367	2.17	1.867	4.33	3.367	14.07	4.87	3.25
0.383	2.17	1.883	4.33	3.383	14.07	4.88	3.25
0.400	2.17	1.900	4.33	3.400	14.07	4.90	3.25
0.417	2.17	1.917	4.33	3.417	14.07	4.92	3.25
0.433	2.17	1.933	4.33	3.433	14.07	4.93	3.25
0.450	2.17	1.950	4.33	3.450	14.07	4.95	3.25
0.467	2.17	1.967	4.33	3.467	14.07	4.97	3.25
0.483	2.17	1.983	4.33	3.483	14.07	4.98	3.25
0.500	2.17	2.000	4.33	3.500	14.07	5.00	3.25
0.517	2.17	2.017	5.95	3.517	10.29	5.02	2.71
0.533	2.17	2.033	5.95	3.533	10.28	5.03	2.71
0.550	2.17	2.050	5.95	3.550	10.28	5.05	2.71
0.567	2.17	2.067	5.95	3.567	10.28	5.07	2.71
0.583	2.17	2.083	5.95	3.583	10.28	5.08	2.71
0.600	2.17	2.100	5.95	3.600	10.28	5.10	2.71
0.617	2.17	2.117	5.95	3.617	10.28	5.12	2.71
0.633	2.17	2.133	5.95	3.633	10.28	5.13	2.71
0.650	2.17	2.150	5.95	3.650	10.28	5.15	2.71
0.667	2.17	2.167	5.95	3.667	10.28	5.17	2.71
0.683	2.17	2.183	5.95	3.683	10.28	5.18	2.71
0.700	2.17	2.200	5.95	3.700	10.28	5.20	2.71

0.717	2.17	2.217	5.95	3.717	10.28	5.22	2.71
0.733	2.17	2.233	5.95	3.733	10.28	5.23	2.71
0.750	2.17	2.250	5.95	3.750	10.28	5.25	2.71
0.767	2.17	2.267	7.58	3.767	6.50	5.27	2.17
0.783	2.17	2.283	7.58	3.783	6.50	5.28	2.17
0.800	2.17	2.300	7.58	3.800	6.50	5.30	2.17
0.817	2.17	2.317	7.58	3.817	6.50	5.32	2.17
0.833	2.17	2.333	7.58	3.833	6.50	5.33	2.17
0.850	2.17	2.350	7.58	3.850	6.50	5.35	2.17
0.867	2.17	2.367	7.58	3.867	6.50	5.37	2.17
0.883	2.17	2.383	7.58	3.883	6.50	5.38	2.17
0.900	2.17	2.400	7.58	3.900	6.50	5.40	2.17
0.917	2.17	2.417	7.58	3.917	6.50	5.42	2.17
0.933	2.17	2.433	7.58	3.933	6.50	5.43	2.17
0.950	2.17	2.450	7.58	3.950	6.50	5.45	2.17
0.967	2.17	2.467	7.58	3.967	6.50	5.47	2.17
0.983	2.17	2.483	7.58	3.983	6.50	5.48	2.17
1.000	2.17	2.500	7.58	4.000	6.50	5.50	2.17
1.017	3.25	2.517	31.39	4.017	5.41	5.52	2.17
1.033	3.25	2.533	31.40	4.033	5.41	5.53	2.17
1.050	3.25	2.550	31.40	4.050	5.41	5.55	2.17
1.067	3.25	2.567	31.40	4.067	5.41	5.57	2.17
1.083	3.25	2.583	31.40	4.083	5.41	5.58	2.17
1.100	3.25	2.600	31.40	4.100	5.41	5.60	2.17
1.117	3.25	2.617	31.40	4.117	5.41	5.62	2.17
1.133	3.25	2.633	31.40	4.133	5.41	5.63	2.17
1.150	3.25	2.650	31.40	4.150	5.41	5.65	2.17
1.167	3.25	2.667	31.40	4.167	5.41	5.67	2.17
1.183	3.25	2.683	31.40	4.183	5.41	5.68	2.17
1.200	3.25	2.700	31.40	4.200	5.41	5.70	2.17
1.217	3.25	2.717	31.40	4.217	5.41	5.72	2.17
1.233	3.25	2.733	31.40	4.233	5.41	5.73	2.17
1.250	3.25	2.750	31.40	4.250	5.41	5.75	2.17
1.267	4.33	2.767	55.21	4.267	4.33	5.77	2.17
1.283	4.33	2.783	55.21	4.283	4.33	5.78	2.17
1.300	4.33	2.800	55.21	4.300	4.33	5.80	2.17
1.317	4.33	2.817	55.21	4.317	4.33	5.82	2.17
1.333	4.33	2.833	55.21	4.333	4.33	5.83	2.17
1.350	4.33	2.850	55.21	4.350	4.33	5.85	2.17
1.367	4.33	2.867	55.21	4.367	4.33	5.87	2.17
1.383	4.33	2.883	55.21	4.383	4.33	5.88	2.17
1.400	4.33	2.900	55.21	4.400	4.33	5.90	2.17
1.417	4.33	2.917	55.21	4.417	4.33	5.92	2.17
1.433	4.33	2.933	55.21	4.433	4.33	5.93	2.17
1.450	4.33	2.950	55.21	4.450	4.33	5.95	2.17
1.467	4.33	2.967	55.21	4.467	4.33	5.97	2.17
1.483	4.33	2.983	55.21	4.483	4.33	5.98	2.17
1.500	4.33	3.000	55.21	4.500	4.33	6.00	2.16

Max.Eff.Inten.(mm/hr)=	55.21	8.73	
over (min)	5.00	22.00	
Storage Coeff. (min)=	3.02 (ii)	21.73 (ii)	
Unit Hyd. Tpeak (min)=	5.00	22.00	
Unit Hyd. peak (cms)=	0.31	0.05	
			TOTALS
PEAK FLOW (cms)=	0.04	0.02	0.045 (iii)
TIME TO PEAK (hrs)=	3.00	3.45	3.02
RUNOFF VOLUME (mm)=	51.86	9.13	18.52
TOTAL RAINFALL (mm)=	53.86	53.86	53.86
RUNOFF COEFFICIENT =	0.96	0.17	0.34

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
STANDHYD (0203)	Area (ha)= 17.16		
ID= 1 DT= 1.0 min	Total Imp(%)= 42.00	Dir. Conn.(%)= 30.00	
	IMPERVIOUS	PERVIOUS (i)	
Surface Area (ha)=	7.21	9.95	
Dep. Storage (mm)=	2.00	5.00	
Average slope (%)=	1.00	2.00	
Length (m)=	267.45	40.00	
Mannings n =	0.013	0.250	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.08	1.517	4.33	3.017	34.65	4.52	3.79
0.033	1.08	1.533	4.33	3.033	34.64	4.53	3.79
0.050	1.08	1.550	4.33	3.050	34.64	4.55	3.79
0.067	1.08	1.567	4.33	3.067	34.64	4.57	3.79
0.083	1.08	1.583	4.33	3.083	34.64	4.58	3.79
0.100	1.08	1.600	4.33	3.100	34.64	4.60	3.79
0.117	1.08	1.617	4.33	3.117	34.64	4.62	3.79
0.133	1.08	1.633	4.33	3.133	34.64	4.63	3.79
0.150	1.08	1.650	4.33	3.150	34.64	4.65	3.79
0.167	1.08	1.667	4.33	3.167	34.64	4.67	3.79
0.183	1.08	1.683	4.33	3.183	34.64	4.68	3.79
0.200	1.08	1.700	4.33	3.200	34.64	4.70	3.79
0.217	1.08	1.717	4.33	3.217	34.64	4.72	3.79
0.233	1.08	1.733	4.33	3.233	34.64	4.73	3.79
0.250	1.08	1.750	4.33	3.250	34.64	4.75	3.79
0.267	2.17	1.767	4.33	3.267	14.08	4.77	3.25
0.283	2.17	1.783	4.33	3.283	14.07	4.78	3.25
0.300	2.17	1.800	4.33	3.300	14.07	4.80	3.25
0.317	2.17	1.817	4.33	3.317	14.07	4.82	3.25
0.333	2.17	1.833	4.33	3.333	14.07	4.83	3.25
0.350	2.17	1.850	4.33	3.350	14.07	4.85	3.25
0.367	2.17	1.867	4.33	3.367	14.07	4.87	3.25
0.383	2.17	1.883	4.33	3.383	14.07	4.88	3.25
0.400	2.17	1.900	4.33	3.400	14.07	4.90	3.25
0.417	2.17	1.917	4.33	3.417	14.07	4.92	3.25
0.433	2.17	1.933	4.33	3.433	14.07	4.93	3.25
0.450	2.17	1.950	4.33	3.450	14.07	4.95	3.25
0.467	2.17	1.967	4.33	3.467	14.07	4.97	3.25
0.483	2.17	1.983	4.33	3.483	14.07	4.98	3.25
0.500	2.17	2.000	4.33	3.500	14.07	5.00	3.25
0.517	2.17	2.017	5.95	3.517	10.29	5.02	2.71
0.533	2.17	2.033	5.95	3.533	10.28	5.03	2.71
0.550	2.17	2.050	5.95	3.550	10.28	5.05	2.71
0.567	2.17	2.067	5.95	3.567	10.28	5.07	2.71
0.583	2.17	2.083	5.95	3.583	10.28	5.08	2.71
0.600	2.17	2.100	5.95	3.600	10.28	5.10	2.71
0.617	2.17	2.117	5.95	3.617	10.28	5.12	2.71
0.633	2.17	2.133	5.95	3.633	10.28	5.13	2.71
0.650	2.17	2.150	5.95	3.650	10.28	5.15	2.71
0.667	2.17	2.167	5.95	3.667	10.28	5.17	2.71
0.683	2.17	2.183	5.95	3.683	10.28	5.18	2.71
0.700	2.17	2.200	5.95	3.700	10.28	5.20	2.71
0.717	2.17	2.217	5.95	3.717	10.28	5.22	2.71
0.733	2.17	2.233	5.95	3.733	10.28	5.23	2.71
0.750	2.17	2.250	5.95	3.750	10.28	5.25	2.71
0.767	2.17	2.267	7.58	3.767	6.50	5.27	2.17
0.783	2.17	2.283	7.58	3.783	6.50	5.28	2.17
0.800	2.17	2.300	7.58	3.800	6.50	5.30	2.17
0.817	2.17	2.317	7.58	3.817	6.50	5.32	2.17
0.833	2.17	2.333	7.58	3.833	6.50	5.33	2.17
0.850	2.17	2.350	7.58	3.850	6.50	5.35	2.17
0.867	2.17	2.367	7.58	3.867	6.50	5.37	2.17
0.883	2.17	2.383	7.58	3.883	6.50	5.38	2.17
0.900	2.17	2.400	7.58	3.900	6.50	5.40	2.17
0.917	2.17	2.417	7.58	3.917	6.50	5.42	2.17
0.933	2.17	2.433	7.58	3.933	6.50	5.43	2.17
0.950	2.17	2.450	7.58	3.950	6.50	5.45	2.17
0.967	2.17	2.467	7.58	3.967	6.50	5.47	2.17
0.983	2.17	2.483	7.58	3.983	6.50	5.48	2.17
1.000	2.17	2.500	7.58	4.000	6.50	5.50	2.17
1.017	3.25	2.517	31.39	4.017	5.41	5.52	2.17
1.033	3.25	2.533	31.40	4.033	5.41	5.53	2.17
1.050	3.25	2.550	31.40	4.050	5.41	5.55	2.17
1.067	3.25	2.567	31.40	4.067	5.41	5.57	2.17
1.083	3.25	2.583	31.40	4.083	5.41	5.58	2.17
1.100	3.25	2.600	31.40	4.100	5.41	5.60	2.17
1.117	3.25	2.617	31.40	4.117	5.41	5.62	2.17
1.133	3.25	2.633	31.40	4.133	5.41	5.63	2.17
1.150	3.25	2.650	31.40	4.150	5.41	5.65	2.17
1.167	3.25	2.667	31.40	4.167	5.41	5.67	2.17
1.183	3.25	2.683	31.40	4.183	5.41	5.68	2.17
1.200	3.25	2.700	31.40	4.200	5.41	5.70	2.17
1.217	3.25	2.717	31.40	4.217	5.41	5.72	2.17
1.233	3.25	2.733	31.40	4.233	5.41	5.73	2.17
1.250	3.25	2.750	31.40	4.250	5.41	5.75	2.17
1.267	4.33	2.767	55.21	4.267	4.33	5.77	2.17
1.283	4.33	2.783	55.21	4.283	4.33	5.78	2.17
1.300	4.33	2.800	55.21	4.300	4.33	5.80	2.17
1.317	4.33	2.817	55.21	4.317	4.33	5.82	2.17
1.333	4.33	2.833	55.21	4.333	4.33	5.83	2.17
1.350	4.33	2.850	55.21	4.350	4.33	5.85	2.17

1.367	4.33	2.867	55.21	4.367	4.33	5.87	2.17
1.383	4.33	2.883	55.21	4.383	4.33	5.88	2.17
1.400	4.33	2.900	55.21	4.400	4.33	5.90	2.17
1.417	4.33	2.917	55.21	4.417	4.33	5.92	2.17
1.433	4.33	2.933	55.21	4.433	4.33	5.93	2.17
1.450	4.33	2.950	55.21	4.450	4.33	5.95	2.17
1.467	4.33	2.967	55.21	4.467	4.33	5.97	2.17
1.483	4.33	2.983	55.21	4.483	4.33	5.98	2.17
1.500	4.33	3.000	55.21	4.500	4.33	6.00	2.16

Max.Eff.Inten.(mm/hr)= 55.21 12.60
over (min) 6.00 23.00
Storage Coeff. (min)= 5.85 (ii) 22.01 (ii)
Unit Hyd. Tpeak (min)= 6.00 23.00
Unit Hyd. peak (cms)= 0.19 0.05

TOTALS

PEAK FLOW (cms)= 0.74 0.24 0.844 (iii)
TIME TO PEAK (hrs)= 3.02 3.47 3.03
RUNOFF VOLUME (mm)= 51.86 10.79 23.11
TOTAL RAINFALL (mm)= 53.86 53.86 53.86
RUNOFF COEFFICIENT = 0.96 0.20 0.43

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0012):	1.18	0.045	3.02	18.52
+ ID2= 2 (0203):	17.16	0.844	3.03	23.11
=====				
ID = 3 (0082):	18.34	0.889	3.03	22.82

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)		OVERFLOW IS OFF			
IN= 2---> OUT= 1					
DT= 5.0 min					
	OUTFLOW	STORAGE	OUTFLOW	STORAGE	
	(cms)	(ha.m.)	(cms)	(ha.m.)	
	0.0000	0.0000	0.0940	0.3600	
	0.0120	0.2100	0.1210	0.4000	
	0.0550	0.2600	0.1500	0.4500	
	0.0620	0.3000	0.3000	0.7210	
	AREA	QPEAK	TPEAK	R.V.	
	(ha)	(cms)	(hrs)	(mm)	
INFLOW : ID= 2 (0082)	18.340	0.889	3.03	22.82	
OUTFLOW: ID= 1 (0002)	18.340	0.084	5.37	15.03	

PEAK FLOW REDUCTION [Qout/Qin](%)= 9.42
TIME SHIFT OF PEAK FLOW (min)=140.00
MAXIMUM STORAGE USED (ha.m.)= 0.3407

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0017):	31.32	0.574	3.53	10.88
+ ID2= 2 (0002):	18.34	0.084	5.37	15.03
=====				
ID = 3 (0089):	49.66	0.626	3.57	12.41

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:2.4 SCS II 6hr 25yr **

CALIB			
NASHYD (0087)		Area (ha)= 15.86	Curve Number (CN)= 62.0
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.26	1.517	5.06	3.017	40.46	4.52	4.42
0.033	1.26	1.533	5.06	3.033	40.45	4.53	4.42
0.050	1.26	1.550	5.06	3.050	40.45	4.55	4.42
0.067	1.26	1.567	5.06	3.067	40.45	4.57	4.42
0.083	1.26	1.583	5.06	3.083	40.45	4.58	4.42
0.100	1.26	1.600	5.06	3.100	40.45	4.60	4.42
0.117	1.26	1.617	5.06	3.117	40.45	4.62	4.42
0.133	1.26	1.633	5.06	3.133	40.45	4.63	4.42
0.150	1.26	1.650	5.06	3.150	40.45	4.65	4.42
0.167	1.26	1.667	5.06	3.167	40.45	4.67	4.42
0.183	1.26	1.683	5.06	3.183	40.45	4.68	4.42
0.200	1.26	1.700	5.06	3.200	40.45	4.70	4.42
0.217	1.26	1.717	5.06	3.217	40.45	4.72	4.42
0.233	1.26	1.733	5.06	3.233	40.45	4.73	4.42
0.250	1.26	1.750	5.06	3.250	40.45	4.75	4.42
0.267	2.53	1.767	5.06	3.267	16.44	4.77	3.79
0.283	2.53	1.783	5.06	3.283	16.43	4.78	3.79
0.300	2.53	1.800	5.06	3.300	16.43	4.80	3.79
0.317	2.53	1.817	5.06	3.317	16.43	4.82	3.79
0.333	2.53	1.833	5.06	3.333	16.43	4.83	3.79
0.350	2.53	1.850	5.06	3.350	16.43	4.85	3.79
0.367	2.53	1.867	5.06	3.367	16.43	4.87	3.79
0.383	2.53	1.883	5.06	3.383	16.43	4.88	3.79
0.400	2.53	1.900	5.06	3.400	16.43	4.90	3.79
0.417	2.53	1.917	5.06	3.417	16.43	4.92	3.79
0.433	2.53	1.933	5.06	3.433	16.43	4.93	3.79
0.450	2.53	1.950	5.06	3.450	16.43	4.95	3.79
0.467	2.53	1.967	5.06	3.467	16.43	4.97	3.79
0.483	2.53	1.983	5.06	3.483	16.43	4.98	3.79
0.500	2.53	2.000	5.06	3.500	16.43	5.00	3.79
0.517	2.53	2.017	6.95	3.517	12.01	5.02	3.16
0.533	2.53	2.033	6.95	3.533	12.01	5.03	3.16
0.550	2.53	2.050	6.95	3.550	12.01	5.05	3.16
0.567	2.53	2.067	6.95	3.567	12.01	5.07	3.16
0.583	2.53	2.083	6.95	3.583	12.01	5.08	3.16
0.600	2.53	2.100	6.95	3.600	12.01	5.10	3.16
0.617	2.53	2.117	6.95	3.617	12.01	5.12	3.16
0.633	2.53	2.133	6.95	3.633	12.01	5.13	3.16
0.650	2.53	2.150	6.95	3.650	12.01	5.15	3.16
0.667	2.53	2.167	6.95	3.667	12.01	5.17	3.16
0.683	2.53	2.183	6.95	3.683	12.01	5.18	3.16
0.700	2.53	2.200	6.95	3.700	12.01	5.20	3.16
0.717	2.53	2.217	6.95	3.717	12.01	5.22	3.16
0.733	2.53	2.233	6.95	3.733	12.01	5.23	3.16
0.750	2.53	2.250	6.95	3.750	12.01	5.25	3.16
0.767	2.53	2.267	8.85	3.767	7.59	5.27	2.53
0.783	2.53	2.283	8.85	3.783	7.59	5.28	2.53
0.800	2.53	2.300	8.85	3.800	7.59	5.30	2.53
0.817	2.53	2.317	8.85	3.817	7.59	5.32	2.53
0.833	2.53	2.333	8.85	3.833	7.59	5.33	2.53
0.850	2.53	2.350	8.85	3.850	7.59	5.35	2.53
0.867	2.53	2.367	8.85	3.867	7.59	5.37	2.53
0.883	2.53	2.383	8.85	3.883	7.59	5.38	2.53
0.900	2.53	2.400	8.85	3.900	7.59	5.40	2.53
0.917	2.53	2.417	8.85	3.917	7.59	5.42	2.53
0.933	2.53	2.433	8.85	3.933	7.59	5.43	2.53
0.950	2.53	2.450	8.85	3.950	7.59	5.45	2.53
0.967	2.53	2.467	8.85	3.967	7.59	5.47	2.53
0.983	2.53	2.483	8.85	3.983	7.59	5.48	2.53
1.000	2.53	2.500	8.85	4.000	7.59	5.50	2.53
1.017	3.79	2.517	36.66	4.017	6.32	5.52	2.53
1.033	3.79	2.533	36.66	4.033	6.32	5.53	2.53
1.050	3.79	2.550	36.66	4.050	6.32	5.55	2.53
1.067	3.79	2.567	36.66	4.067	6.32	5.57	2.53
1.083	3.79	2.583	36.66	4.083	6.32	5.58	2.53
1.100	3.79	2.600	36.66	4.100	6.32	5.60	2.53
1.117	3.79	2.617	36.66	4.117	6.32	5.62	2.53
1.133	3.79	2.633	36.66	4.133	6.32	5.63	2.53
1.150	3.79	2.650	36.66	4.150	6.32	5.65	2.53
1.167	3.79	2.667	36.66	4.167	6.32	5.67	2.53
1.183	3.79	2.683	36.66	4.183	6.32	5.68	2.53
1.200	3.79	2.700	36.66	4.200	6.32	5.70	2.53
1.217	3.79	2.717	36.66	4.217	6.32	5.72	2.53
1.233	3.79	2.733	36.66	4.233	6.32	5.73	2.53
1.250	3.79	2.750	36.66	4.250	6.32	5.75	2.53
1.267	5.06	2.767	64.47	4.267	5.06	5.77	2.53
1.283	5.06	2.783	64.47	4.283	5.06	5.78	2.53
1.300	5.06	2.800	64.47	4.300	5.06	5.80	2.53

1.317	5.06	2.817	64.47	4.317	5.06	5.82	2.53
1.333	5.06	2.833	64.47	4.333	5.06	5.83	2.53
1.350	5.06	2.850	64.47	4.350	5.06	5.85	2.53
1.367	5.06	2.867	64.47	4.367	5.06	5.87	2.53
1.383	5.06	2.883	64.47	4.383	5.06	5.88	2.53
1.400	5.06	2.900	64.47	4.400	5.06	5.90	2.53
1.417	5.06	2.917	64.47	4.417	5.06	5.92	2.53
1.433	5.06	2.933	64.47	4.433	5.06	5.93	2.53
1.450	5.06	2.950	64.47	4.450	5.06	5.95	2.53
1.467	5.06	2.967	64.47	4.467	5.06	5.97	2.53
1.483	5.06	2.983	64.47	4.483	5.06	5.98	2.53
1.500	5.06	3.000	64.47	4.500	5.06	6.00	2.52

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.459 (i)
TIME TO PEAK (hrs)= 3.500
RUNOFF VOLUME (mm)= 15.881
TOTAL RAINFALL (mm)= 62.894
RUNOFF COEFFICIENT = 0.253

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.26	1.517	5.06	3.017	40.46	4.52	4.42
0.033	1.26	1.533	5.06	3.033	40.45	4.53	4.42
0.050	1.26	1.550	5.06	3.050	40.45	4.55	4.42
0.067	1.26	1.567	5.06	3.067	40.45	4.57	4.42
0.083	1.26	1.583	5.06	3.083	40.45	4.58	4.42
0.100	1.26	1.600	5.06	3.100	40.45	4.60	4.42
0.117	1.26	1.617	5.06	3.117	40.45	4.62	4.42
0.133	1.26	1.633	5.06	3.133	40.45	4.63	4.42
0.150	1.26	1.650	5.06	3.150	40.45	4.65	4.42
0.167	1.26	1.667	5.06	3.167	40.45	4.67	4.42
0.183	1.26	1.683	5.06	3.183	40.45	4.68	4.42
0.200	1.26	1.700	5.06	3.200	40.45	4.70	4.42
0.217	1.26	1.717	5.06	3.217	40.45	4.72	4.42
0.233	1.26	1.733	5.06	3.233	40.45	4.73	4.42
0.250	1.26	1.750	5.06	3.250	40.45	4.75	4.42
0.267	2.53	1.767	5.06	3.267	16.44	4.77	3.79
0.283	2.53	1.783	5.06	3.283	16.43	4.78	3.79
0.300	2.53	1.800	5.06	3.300	16.43	4.80	3.79
0.317	2.53	1.817	5.06	3.317	16.43	4.82	3.79
0.333	2.53	1.833	5.06	3.333	16.43	4.83	3.79
0.350	2.53	1.850	5.06	3.350	16.43	4.85	3.79
0.367	2.53	1.867	5.06	3.367	16.43	4.87	3.79
0.383	2.53	1.883	5.06	3.383	16.43	4.88	3.79
0.400	2.53	1.900	5.06	3.400	16.43	4.90	3.79
0.417	2.53	1.917	5.06	3.417	16.43	4.92	3.79
0.433	2.53	1.933	5.06	3.433	16.43	4.93	3.79
0.450	2.53	1.950	5.06	3.450	16.43	4.95	3.79
0.467	2.53	1.967	5.06	3.467	16.43	4.97	3.79
0.483	2.53	1.983	5.06	3.483	16.43	4.98	3.79
0.500	2.53	2.000	5.06	3.500	16.43	5.00	3.79
0.517	2.53	2.017	6.95	3.517	12.01	5.02	3.16
0.533	2.53	2.033	6.95	3.533	12.01	5.03	3.16
0.550	2.53	2.050	6.95	3.550	12.01	5.05	3.16
0.567	2.53	2.067	6.95	3.567	12.01	5.07	3.16
0.583	2.53	2.083	6.95	3.583	12.01	5.08	3.16
0.600	2.53	2.100	6.95	3.600	12.01	5.10	3.16
0.617	2.53	2.117	6.95	3.617	12.01	5.12	3.16
0.633	2.53	2.133	6.95	3.633	12.01	5.13	3.16
0.650	2.53	2.150	6.95	3.650	12.01	5.15	3.16
0.667	2.53	2.167	6.95	3.667	12.01	5.17	3.16
0.683	2.53	2.183	6.95	3.683	12.01	5.18	3.16
0.700	2.53	2.200	6.95	3.700	12.01	5.20	3.16
0.717	2.53	2.217	6.95	3.717	12.01	5.22	3.16
0.733	2.53	2.233	6.95	3.733	12.01	5.23	3.16
0.750	2.53	2.250	6.95	3.750	12.01	5.25	3.16
0.767	2.53	2.267	8.85	3.767	7.59	5.27	2.53
0.783	2.53	2.283	8.85	3.783	7.59	5.28	2.53
0.800	2.53	2.300	8.85	3.800	7.59	5.30	2.53

0.817	2.53	2.317	8.85	3.817	7.59	5.32	2.53
0.833	2.53	2.333	8.85	3.833	7.59	5.33	2.53
0.850	2.53	2.350	8.85	3.850	7.59	5.35	2.53
0.867	2.53	2.367	8.85	3.867	7.59	5.37	2.53
0.883	2.53	2.383	8.85	3.883	7.59	5.38	2.53
0.900	2.53	2.400	8.85	3.900	7.59	5.40	2.53
0.917	2.53	2.417	8.85	3.917	7.59	5.42	2.53
0.933	2.53	2.433	8.85	3.933	7.59	5.43	2.53
0.950	2.53	2.450	8.85	3.950	7.59	5.45	2.53
0.967	2.53	2.467	8.85	3.967	7.59	5.47	2.53
0.983	2.53	2.483	8.85	3.983	7.59	5.48	2.53
1.000	2.53	2.500	8.85	4.000	7.59	5.50	2.53
1.017	3.79	2.517	36.66	4.017	6.32	5.52	2.53
1.033	3.79	2.533	36.66	4.033	6.32	5.53	2.53
1.050	3.79	2.550	36.66	4.050	6.32	5.55	2.53
1.067	3.79	2.567	36.66	4.067	6.32	5.57	2.53
1.083	3.79	2.583	36.66	4.083	6.32	5.58	2.53
1.100	3.79	2.600	36.66	4.100	6.32	5.60	2.53
1.117	3.79	2.617	36.66	4.117	6.32	5.62	2.53
1.133	3.79	2.633	36.66	4.133	6.32	5.63	2.53
1.150	3.79	2.650	36.66	4.150	6.32	5.65	2.53
1.167	3.79	2.667	36.66	4.167	6.32	5.67	2.53
1.183	3.79	2.683	36.66	4.183	6.32	5.68	2.53
1.200	3.79	2.700	36.66	4.200	6.32	5.70	2.53
1.217	3.79	2.717	36.66	4.217	6.32	5.72	2.53
1.233	3.79	2.733	36.66	4.233	6.32	5.73	2.53
1.250	3.79	2.750	36.66	4.250	6.32	5.75	2.53
1.267	5.06	2.767	64.47	4.267	5.06	5.77	2.53
1.283	5.06	2.783	64.47	4.283	5.06	5.78	2.53
1.300	5.06	2.800	64.47	4.300	5.06	5.80	2.53
1.317	5.06	2.817	64.47	4.317	5.06	5.82	2.53
1.333	5.06	2.833	64.47	4.333	5.06	5.83	2.53
1.350	5.06	2.850	64.47	4.350	5.06	5.85	2.53
1.367	5.06	2.867	64.47	4.367	5.06	5.87	2.53
1.383	5.06	2.883	64.47	4.383	5.06	5.88	2.53
1.400	5.06	2.900	64.47	4.400	5.06	5.90	2.53
1.417	5.06	2.917	64.47	4.417	5.06	5.92	2.53
1.433	5.06	2.933	64.47	4.433	5.06	5.93	2.53
1.450	5.06	2.950	64.47	4.450	5.06	5.95	2.53
1.467	5.06	2.967	64.47	4.467	5.06	5.97	2.53
1.483	5.06	2.983	64.47	4.483	5.06	5.98	2.53
1.500	5.06	3.000	64.47	4.500	5.06	6.00	2.52

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.291 (i)
TIME TO PEAK (hrs)= 3.600
RUNOFF VOLUME (mm)= 11.814
TOTAL RAINFALL (mm)= 62.894
RUNOFF COEFFICIENT = 0.188

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB STANDHYD (0204) ID= 1 DT= 1.0 min	Area (ha)= 0.96 Total Imp(%)= 68.00	Dir. Conn.(%)= 47.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.65	0.31
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.26	1.517	5.06	3.017	40.46	4.52	4.42
0.033	1.26	1.533	5.06	3.033	40.45	4.53	4.42
0.050	1.26	1.550	5.06	3.050	40.45	4.55	4.42
0.067	1.26	1.567	5.06	3.067	40.45	4.57	4.42
0.083	1.26	1.583	5.06	3.083	40.45	4.58	4.42
0.100	1.26	1.600	5.06	3.100	40.45	4.60	4.42
0.117	1.26	1.617	5.06	3.117	40.45	4.62	4.42
0.133	1.26	1.633	5.06	3.133	40.45	4.63	4.42
0.150	1.26	1.650	5.06	3.150	40.45	4.65	4.42
0.167	1.26	1.667	5.06	3.167	40.45	4.67	4.42
0.183	1.26	1.683	5.06	3.183	40.45	4.68	4.42
0.200	1.26	1.700	5.06	3.200	40.45	4.70	4.42

0.217	1.26	1.717	5.06	3.217	40.45	4.72	4.42
0.233	1.26	1.733	5.06	3.233	40.45	4.73	4.42
0.250	1.26	1.750	5.06	3.250	40.45	4.75	4.42
0.267	2.53	1.767	5.06	3.267	16.44	4.77	3.79
0.283	2.53	1.783	5.06	3.283	16.43	4.78	3.79
0.300	2.53	1.800	5.06	3.300	16.43	4.80	3.79
0.317	2.53	1.817	5.06	3.317	16.43	4.82	3.79
0.333	2.53	1.833	5.06	3.333	16.43	4.83	3.79
0.350	2.53	1.850	5.06	3.350	16.43	4.85	3.79
0.367	2.53	1.867	5.06	3.367	16.43	4.87	3.79
0.383	2.53	1.883	5.06	3.383	16.43	4.88	3.79
0.400	2.53	1.900	5.06	3.400	16.43	4.90	3.79
0.417	2.53	1.917	5.06	3.417	16.43	4.92	3.79
0.433	2.53	1.933	5.06	3.433	16.43	4.93	3.79
0.450	2.53	1.950	5.06	3.450	16.43	4.95	3.79
0.467	2.53	1.967	5.06	3.467	16.43	4.97	3.79
0.483	2.53	1.983	5.06	3.483	16.43	4.98	3.79
0.500	2.53	2.000	5.06	3.500	16.43	5.00	3.79
0.517	2.53	2.017	6.95	3.517	12.01	5.02	3.16
0.533	2.53	2.033	6.95	3.533	12.01	5.03	3.16
0.550	2.53	2.050	6.95	3.550	12.01	5.05	3.16
0.567	2.53	2.067	6.95	3.567	12.01	5.07	3.16
0.583	2.53	2.083	6.95	3.583	12.01	5.08	3.16
0.600	2.53	2.100	6.95	3.600	12.01	5.10	3.16
0.617	2.53	2.117	6.95	3.617	12.01	5.12	3.16
0.633	2.53	2.133	6.95	3.633	12.01	5.13	3.16
0.650	2.53	2.150	6.95	3.650	12.01	5.15	3.16
0.667	2.53	2.167	6.95	3.667	12.01	5.17	3.16
0.683	2.53	2.183	6.95	3.683	12.01	5.18	3.16
0.700	2.53	2.200	6.95	3.700	12.01	5.20	3.16
0.717	2.53	2.217	6.95	3.717	12.01	5.22	3.16
0.733	2.53	2.233	6.95	3.733	12.01	5.23	3.16
0.750	2.53	2.250	6.95	3.750	12.01	5.25	3.16
0.767	2.53	2.267	8.85	3.767	7.59	5.27	2.53
0.783	2.53	2.283	8.85	3.783	7.59	5.28	2.53
0.800	2.53	2.300	8.85	3.800	7.59	5.30	2.53
0.817	2.53	2.317	8.85	3.817	7.59	5.32	2.53
0.833	2.53	2.333	8.85	3.833	7.59	5.33	2.53
0.850	2.53	2.350	8.85	3.850	7.59	5.35	2.53
0.867	2.53	2.367	8.85	3.867	7.59	5.37	2.53
0.883	2.53	2.383	8.85	3.883	7.59	5.38	2.53
0.900	2.53	2.400	8.85	3.900	7.59	5.40	2.53
0.917	2.53	2.417	8.85	3.917	7.59	5.42	2.53
0.933	2.53	2.433	8.85	3.933	7.59	5.43	2.53
0.950	2.53	2.450	8.85	3.950	7.59	5.45	2.53
0.967	2.53	2.467	8.85	3.967	7.59	5.47	2.53
0.983	2.53	2.483	8.85	3.983	7.59	5.48	2.53
1.000	2.53	2.500	8.85	4.000	7.59	5.50	2.53
1.017	3.79	2.517	36.66	4.017	6.32	5.52	2.53
1.033	3.79	2.533	36.66	4.033	6.32	5.53	2.53
1.050	3.79	2.550	36.66	4.050	6.32	5.55	2.53
1.067	3.79	2.567	36.66	4.067	6.32	5.57	2.53
1.083	3.79	2.583	36.66	4.083	6.32	5.58	2.53
1.100	3.79	2.600	36.66	4.100	6.32	5.60	2.53
1.117	3.79	2.617	36.66	4.117	6.32	5.62	2.53
1.133	3.79	2.633	36.66	4.133	6.32	5.63	2.53
1.150	3.79	2.650	36.66	4.150	6.32	5.65	2.53
1.167	3.79	2.667	36.66	4.167	6.32	5.67	2.53
1.183	3.79	2.683	36.66	4.183	6.32	5.68	2.53
1.200	3.79	2.700	36.66	4.200	6.32	5.70	2.53
1.217	3.79	2.717	36.66	4.217	6.32	5.72	2.53
1.233	3.79	2.733	36.66	4.233	6.32	5.73	2.53
1.250	3.79	2.750	36.66	4.250	6.32	5.75	2.53
1.267	5.06	2.767	64.47	4.267	5.06	5.77	2.53
1.283	5.06	2.783	64.47	4.283	5.06	5.78	2.53
1.300	5.06	2.800	64.47	4.300	5.06	5.80	2.53
1.317	5.06	2.817	64.47	4.317	5.06	5.82	2.53
1.333	5.06	2.833	64.47	4.333	5.06	5.83	2.53
1.350	5.06	2.850	64.47	4.350	5.06	5.85	2.53
1.367	5.06	2.867	64.47	4.367	5.06	5.87	2.53
1.383	5.06	2.883	64.47	4.383	5.06	5.88	2.53
1.400	5.06	2.900	64.47	4.400	5.06	5.90	2.53
1.417	5.06	2.917	64.47	4.417	5.06	5.92	2.53
1.433	5.06	2.933	64.47	4.433	5.06	5.93	2.53
1.450	5.06	2.950	64.47	4.450	5.06	5.95	2.53
1.467	5.06	2.967	64.47	4.467	5.06	5.97	2.53
1.483	5.06	2.983	64.47	4.483	5.06	5.98	2.53
1.500	5.06	3.000	64.47	4.500	5.06	6.00	2.52

Max.Eff.Inten.(mm/hr)= 64.47 34.10
 over (min) 5.00 13.00
 Storage Coeff. (min)= 5.49 (ii) 12.71 (ii)
 Unit Hyd. Tpeak (min)= 5.00 13.00
 Unit Hyd. peak (cms)= 0.21 0.09

PEAK FLOW	(cms)=	0.08	0.02	*TOTALS*
TIME TO PEAK	(hrs)=	3.00	3.27	0.093 (iii)
RUNOFF VOLUME	(mm)=	60.89	18.82	38.59
TOTAL RAINFALL	(mm)=	62.89	62.89	62.89
RUNOFF COEFFICIENT	=	0.97	0.30	0.61

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0204):	0.96	0.093	3.02	38.59
+ ID2= 2 (0205):	14.50	0.291	3.60	11.81
=====				
ID = 3 (0017):	15.46	0.327	3.53	13.48

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 3 (0017):	15.46	0.327	3.53	13.48
+ ID2= 2 (0087):	15.86	0.459	3.50	15.88
=====				
ID = 1 (0017):	31.32	0.785	3.52	14.69

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB				
STANDHYD (0012)		Area (ha)=	1.18	
ID= 1 DT= 1.0 min		Total Imp(%)=	22.00	Dir. Conn.(%)= 22.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)= 0.26	0.92
Dep. Storage	(mm)= 2.00	4.60
Average slope	(%)= 1.00	2.00
Length	(m)= 88.84	40.00
Mannings n	= 0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.26	1.517	5.06	3.017	40.46	4.52	4.42
0.033	1.26	1.533	5.06	3.033	40.45	4.53	4.42
0.050	1.26	1.550	5.06	3.050	40.45	4.55	4.42
0.067	1.26	1.567	5.06	3.067	40.45	4.57	4.42
0.083	1.26	1.583	5.06	3.083	40.45	4.58	4.42
0.100	1.26	1.600	5.06	3.100	40.45	4.60	4.42
0.117	1.26	1.617	5.06	3.117	40.45	4.62	4.42
0.133	1.26	1.633	5.06	3.133	40.45	4.63	4.42
0.150	1.26	1.650	5.06	3.150	40.45	4.65	4.42
0.167	1.26	1.667	5.06	3.167	40.45	4.67	4.42
0.183	1.26	1.683	5.06	3.183	40.45	4.68	4.42
0.200	1.26	1.700	5.06	3.200	40.45	4.70	4.42
0.217	1.26	1.717	5.06	3.217	40.45	4.72	4.42
0.233	1.26	1.733	5.06	3.233	40.45	4.73	4.42
0.250	1.26	1.750	5.06	3.250	40.45	4.75	4.42
0.267	2.53	1.767	5.06	3.267	16.44	4.77	3.79
0.283	2.53	1.783	5.06	3.283	16.43	4.78	3.79
0.300	2.53	1.800	5.06	3.300	16.43	4.80	3.79
0.317	2.53	1.817	5.06	3.317	16.43	4.82	3.79
0.333	2.53	1.833	5.06	3.333	16.43	4.83	3.79
0.350	2.53	1.850	5.06	3.350	16.43	4.85	3.79
0.367	2.53	1.867	5.06	3.367	16.43	4.87	3.79
0.383	2.53	1.883	5.06	3.383	16.43	4.88	3.79
0.400	2.53	1.900	5.06	3.400	16.43	4.90	3.79
0.417	2.53	1.917	5.06	3.417	16.43	4.92	3.79
0.433	2.53	1.933	5.06	3.433	16.43	4.93	3.79
0.450	2.53	1.950	5.06	3.450	16.43	4.95	3.79

0.467	2.53	1.967	5.06	3.467	16.43	4.97	3.79
0.483	2.53	1.983	5.06	3.483	16.43	4.98	3.79
0.500	2.53	2.000	5.06	3.500	16.43	5.00	3.79
0.517	2.53	2.017	6.95	3.517	12.01	5.02	3.16
0.533	2.53	2.033	6.95	3.533	12.01	5.03	3.16
0.550	2.53	2.050	6.95	3.550	12.01	5.05	3.16
0.567	2.53	2.067	6.95	3.567	12.01	5.07	3.16
0.583	2.53	2.083	6.95	3.583	12.01	5.08	3.16
0.600	2.53	2.100	6.95	3.600	12.01	5.10	3.16
0.617	2.53	2.117	6.95	3.617	12.01	5.12	3.16
0.633	2.53	2.133	6.95	3.633	12.01	5.13	3.16
0.650	2.53	2.150	6.95	3.650	12.01	5.15	3.16
0.667	2.53	2.167	6.95	3.667	12.01	5.17	3.16
0.683	2.53	2.183	6.95	3.683	12.01	5.18	3.16
0.700	2.53	2.200	6.95	3.700	12.01	5.20	3.16
0.717	2.53	2.217	6.95	3.717	12.01	5.22	3.16
0.733	2.53	2.233	6.95	3.733	12.01	5.23	3.16
0.750	2.53	2.250	6.95	3.750	12.01	5.25	3.16
0.767	2.53	2.267	8.85	3.767	7.59	5.27	2.53
0.783	2.53	2.283	8.85	3.783	7.59	5.28	2.53
0.800	2.53	2.300	8.85	3.800	7.59	5.30	2.53
0.817	2.53	2.317	8.85	3.817	7.59	5.32	2.53
0.833	2.53	2.333	8.85	3.833	7.59	5.33	2.53
0.850	2.53	2.350	8.85	3.850	7.59	5.35	2.53
0.867	2.53	2.367	8.85	3.867	7.59	5.37	2.53
0.883	2.53	2.383	8.85	3.883	7.59	5.38	2.53
0.900	2.53	2.400	8.85	3.900	7.59	5.40	2.53
0.917	2.53	2.417	8.85	3.917	7.59	5.42	2.53
0.933	2.53	2.433	8.85	3.933	7.59	5.43	2.53
0.950	2.53	2.450	8.85	3.950	7.59	5.45	2.53
0.967	2.53	2.467	8.85	3.967	7.59	5.47	2.53
0.983	2.53	2.483	8.85	3.983	7.59	5.48	2.53
1.000	2.53	2.500	8.85	4.000	7.59	5.50	2.53
1.017	3.79	2.517	36.66	4.017	6.32	5.52	2.53
1.033	3.79	2.533	36.66	4.033	6.32	5.53	2.53
1.050	3.79	2.550	36.66	4.050	6.32	5.55	2.53
1.067	3.79	2.567	36.66	4.067	6.32	5.57	2.53
1.083	3.79	2.583	36.66	4.083	6.32	5.58	2.53
1.100	3.79	2.600	36.66	4.100	6.32	5.60	2.53
1.117	3.79	2.617	36.66	4.117	6.32	5.62	2.53
1.133	3.79	2.633	36.66	4.133	6.32	5.63	2.53
1.150	3.79	2.650	36.66	4.150	6.32	5.65	2.53
1.167	3.79	2.667	36.66	4.167	6.32	5.67	2.53
1.183	3.79	2.683	36.66	4.183	6.32	5.68	2.53
1.200	3.79	2.700	36.66	4.200	6.32	5.70	2.53
1.217	3.79	2.717	36.66	4.217	6.32	5.72	2.53
1.233	3.79	2.733	36.66	4.233	6.32	5.73	2.53
1.250	3.79	2.750	36.66	4.250	6.32	5.75	2.53
1.267	5.06	2.767	64.47	4.267	5.06	5.77	2.53
1.283	5.06	2.783	64.47	4.283	5.06	5.78	2.53
1.300	5.06	2.800	64.47	4.300	5.06	5.80	2.53
1.317	5.06	2.817	64.47	4.317	5.06	5.82	2.53
1.333	5.06	2.833	64.47	4.333	5.06	5.83	2.53
1.350	5.06	2.850	64.47	4.350	5.06	5.85	2.53
1.367	5.06	2.867	64.47	4.367	5.06	5.87	2.53
1.383	5.06	2.883	64.47	4.383	5.06	5.88	2.53
1.400	5.06	2.900	64.47	4.400	5.06	5.90	2.53
1.417	5.06	2.917	64.47	4.417	5.06	5.92	2.53
1.433	5.06	2.933	64.47	4.433	5.06	5.93	2.53
1.450	5.06	2.950	64.47	4.450	5.06	5.95	2.53
1.467	5.06	2.967	64.47	4.467	5.06	5.97	2.53
1.483	5.06	2.983	64.47	4.483	5.06	5.98	2.53
1.500	5.06	3.000	64.47	4.500	5.06	6.00	2.52

Max.Eff.Inten.(mm/hr)= 64.47 11.95
 over (min) 5.00 20.00
 Storage Coeff. (min)= 2.84 (ii) 19.35 (ii)
 Unit Hyd. Tpeak (min)= 5.00 20.00
 Unit Hyd. peak (cms)= 0.32 0.06

TOTALS

PEAK FLOW (cms)= 0.05 0.02 0.056 (iii)
 TIME TO PEAK (hrs)= 3.00 3.40 3.02
 RUNOFF VOLUME (mm)= 60.89 12.37 23.04
 TOTAL RAINFALL (mm)= 62.89 62.89 62.89
 RUNOFF COEFFICIENT = 0.97 0.20 0.37

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
 (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
 (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0203)
ID= 1 DT= 1.0 min

Area (ha)= 17.16
Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	7.21	9.95
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.26	1.517	5.06	3.017	40.46	4.52	4.42
0.033	1.26	1.533	5.06	3.033	40.45	4.53	4.42
0.050	1.26	1.550	5.06	3.050	40.45	4.55	4.42
0.067	1.26	1.567	5.06	3.067	40.45	4.57	4.42
0.083	1.26	1.583	5.06	3.083	40.45	4.58	4.42
0.100	1.26	1.600	5.06	3.100	40.45	4.60	4.42
0.117	1.26	1.617	5.06	3.117	40.45	4.62	4.42
0.133	1.26	1.633	5.06	3.133	40.45	4.63	4.42
0.150	1.26	1.650	5.06	3.150	40.45	4.65	4.42
0.167	1.26	1.667	5.06	3.167	40.45	4.67	4.42
0.183	1.26	1.683	5.06	3.183	40.45	4.68	4.42
0.200	1.26	1.700	5.06	3.200	40.45	4.70	4.42
0.217	1.26	1.717	5.06	3.217	40.45	4.72	4.42
0.233	1.26	1.733	5.06	3.233	40.45	4.73	4.42
0.250	1.26	1.750	5.06	3.250	40.45	4.75	4.42
0.267	2.53	1.767	5.06	3.267	16.44	4.77	3.79
0.283	2.53	1.783	5.06	3.283	16.43	4.78	3.79
0.300	2.53	1.800	5.06	3.300	16.43	4.80	3.79
0.317	2.53	1.817	5.06	3.317	16.43	4.82	3.79
0.333	2.53	1.833	5.06	3.333	16.43	4.83	3.79
0.350	2.53	1.850	5.06	3.350	16.43	4.85	3.79
0.367	2.53	1.867	5.06	3.367	16.43	4.87	3.79
0.383	2.53	1.883	5.06	3.383	16.43	4.88	3.79
0.400	2.53	1.900	5.06	3.400	16.43	4.90	3.79
0.417	2.53	1.917	5.06	3.417	16.43	4.92	3.79
0.433	2.53	1.933	5.06	3.433	16.43	4.93	3.79
0.450	2.53	1.950	5.06	3.450	16.43	4.95	3.79
0.467	2.53	1.967	5.06	3.467	16.43	4.97	3.79
0.483	2.53	1.983	5.06	3.483	16.43	4.98	3.79
0.500	2.53	2.000	5.06	3.500	16.43	5.00	3.79
0.517	2.53	2.017	6.95	3.517	12.01	5.02	3.16
0.533	2.53	2.033	6.95	3.533	12.01	5.03	3.16
0.550	2.53	2.050	6.95	3.550	12.01	5.05	3.16
0.567	2.53	2.067	6.95	3.567	12.01	5.07	3.16
0.583	2.53	2.083	6.95	3.583	12.01	5.08	3.16
0.600	2.53	2.100	6.95	3.600	12.01	5.10	3.16
0.617	2.53	2.117	6.95	3.617	12.01	5.12	3.16
0.633	2.53	2.133	6.95	3.633	12.01	5.13	3.16
0.650	2.53	2.150	6.95	3.650	12.01	5.15	3.16
0.667	2.53	2.167	6.95	3.667	12.01	5.17	3.16
0.683	2.53	2.183	6.95	3.683	12.01	5.18	3.16
0.700	2.53	2.200	6.95	3.700	12.01	5.20	3.16
0.717	2.53	2.217	6.95	3.717	12.01	5.22	3.16
0.733	2.53	2.233	6.95	3.733	12.01	5.23	3.16
0.750	2.53	2.250	6.95	3.750	12.01	5.25	3.16
0.767	2.53	2.267	8.85	3.767	7.59	5.27	2.53
0.783	2.53	2.283	8.85	3.783	7.59	5.28	2.53
0.800	2.53	2.300	8.85	3.800	7.59	5.30	2.53
0.817	2.53	2.317	8.85	3.817	7.59	5.32	2.53
0.833	2.53	2.333	8.85	3.833	7.59	5.33	2.53
0.850	2.53	2.350	8.85	3.850	7.59	5.35	2.53
0.867	2.53	2.367	8.85	3.867	7.59	5.37	2.53
0.883	2.53	2.383	8.85	3.883	7.59	5.38	2.53
0.900	2.53	2.400	8.85	3.900	7.59	5.40	2.53
0.917	2.53	2.417	8.85	3.917	7.59	5.42	2.53
0.933	2.53	2.433	8.85	3.933	7.59	5.43	2.53
0.950	2.53	2.450	8.85	3.950	7.59	5.45	2.53
0.967	2.53	2.467	8.85	3.967	7.59	5.47	2.53
0.983	2.53	2.483	8.85	3.983	7.59	5.48	2.53
1.000	2.53	2.500	8.85	4.000	7.59	5.50	2.53
1.017	3.79	2.517	36.66	4.017	6.32	5.52	2.53
1.033	3.79	2.533	36.66	4.033	6.32	5.53	2.53
1.050	3.79	2.550	36.66	4.050	6.32	5.55	2.53
1.067	3.79	2.567	36.66	4.067	6.32	5.57	2.53
1.083	3.79	2.583	36.66	4.083	6.32	5.58	2.53
1.100	3.79	2.600	36.66	4.100	6.32	5.60	2.53

1.117	3.79	2.617	36.66	4.117	6.32	5.62	2.53
1.133	3.79	2.633	36.66	4.133	6.32	5.63	2.53
1.150	3.79	2.650	36.66	4.150	6.32	5.65	2.53
1.167	3.79	2.667	36.66	4.167	6.32	5.67	2.53
1.183	3.79	2.683	36.66	4.183	6.32	5.68	2.53
1.200	3.79	2.700	36.66	4.200	6.32	5.70	2.53
1.217	3.79	2.717	36.66	4.217	6.32	5.72	2.53
1.233	3.79	2.733	36.66	4.233	6.32	5.73	2.53
1.250	3.79	2.750	36.66	4.250	6.32	5.75	2.53
1.267	5.06	2.767	64.47	4.267	5.06	5.77	2.53
1.283	5.06	2.783	64.47	4.283	5.06	5.78	2.53
1.300	5.06	2.800	64.47	4.300	5.06	5.80	2.53
1.317	5.06	2.817	64.47	4.317	5.06	5.82	2.53
1.333	5.06	2.833	64.47	4.333	5.06	5.83	2.53
1.350	5.06	2.850	64.47	4.350	5.06	5.85	2.53
1.367	5.06	2.867	64.47	4.367	5.06	5.87	2.53
1.383	5.06	2.883	64.47	4.383	5.06	5.88	2.53
1.400	5.06	2.900	64.47	4.400	5.06	5.90	2.53
1.417	5.06	2.917	64.47	4.417	5.06	5.92	2.53
1.433	5.06	2.933	64.47	4.433	5.06	5.93	2.53
1.450	5.06	2.950	64.47	4.450	5.06	5.95	2.53
1.467	5.06	2.967	64.47	4.467	5.06	5.97	2.53
1.483	5.06	2.983	64.47	4.483	5.06	5.98	2.53
1.500	5.06	3.000	64.47	4.500	5.06	6.00	2.52

Max.Eff.Inten.(mm/hr)= 64.47 17.34
over (min) 5.00 20.00
Storage Coeff. (min)= 5.49 (ii) 19.72 (ii)
Unit Hyd. Tpeak (min)= 5.00 20.00
Unit Hyd. peak (cms)= 0.21 0.06

PEAK FLOW (cms)= 0.88 0.34 *TOTALS*
TIME TO PEAK (hrs)= 3.00 3.40 1.041 (iii)
RUNOFF VOLUME (mm)= 60.89 14.50 28.42
TOTAL RAINFALL (mm)= 62.89 62.89 62.89
RUNOFF COEFFICIENT = 0.97 0.23 0.45

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0012):	1.18	0.056	3.02	23.04
+ ID2= 2 (0203):	17.16	1.041	3.03	28.42
=====				
ID = 3 (0082):	18.34	1.097	3.03	28.07

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 5.0 min				
	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	0.0940	0.3600
	0.0120	0.2100	0.1210	0.4000
	0.0550	0.2600	0.1500	0.4500
	0.0620	0.3000	0.3000	0.7210
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0082)	18.340	1.097	3.03	28.07
OUTFLOW: ID= 1 (0002)	18.340	0.124	5.10	20.03

PEAK FLOW REDUCTION [Qout/Qin](%)= 11.28
TIME SHIFT OF PEAK FLOW (min)=124.00
MAXIMUM STORAGE USED (ha.m.)= 0.4048

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0017):	31.32	0.785	3.52	14.69

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+ ID2= 2 ( 0002):    18.34    0.124    5.10    20.03
=====
ID = 3 ( 0089):    49.66    0.854    3.55    16.66

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NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

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** SIMULATION:2.5 SCS II 6hr 50yr **
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| CALIB                                     |
| NASHYD ( 0087) | Area (ha)= 15.86 | Curve Number (CN)= 62.0 |
| ID= 1 DT= 1.0 min | Ia (mm)= 4.60 | # of Linear Res.(N)= 3.00 |
|-----| U.H. Tp(hrs)= 0.40 |

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NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.40	1.517	5.60	3.017	44.79	4.52	4.90
0.033	1.40	1.533	5.60	3.033	44.79	4.53	4.90
0.050	1.40	1.550	5.60	3.050	44.79	4.55	4.90
0.067	1.40	1.567	5.60	3.067	44.79	4.57	4.90
0.083	1.40	1.583	5.60	3.083	44.79	4.58	4.90
0.100	1.40	1.600	5.60	3.100	44.79	4.60	4.90
0.117	1.40	1.617	5.60	3.117	44.79	4.62	4.90
0.133	1.40	1.633	5.60	3.133	44.79	4.63	4.90
0.150	1.40	1.650	5.60	3.150	44.79	4.65	4.90
0.167	1.40	1.667	5.60	3.167	44.79	4.67	4.90
0.183	1.40	1.683	5.60	3.183	44.79	4.68	4.90
0.200	1.40	1.700	5.60	3.200	44.79	4.70	4.90
0.217	1.40	1.717	5.60	3.217	44.79	4.72	4.90
0.233	1.40	1.733	5.60	3.233	44.79	4.73	4.90
0.250	1.40	1.750	5.60	3.250	44.79	4.75	4.90
0.267	2.80	1.767	5.60	3.267	18.20	4.77	4.20
0.283	2.80	1.783	5.60	3.283	18.19	4.78	4.20
0.300	2.80	1.800	5.60	3.300	18.19	4.80	4.20
0.317	2.80	1.817	5.60	3.317	18.19	4.82	4.20
0.333	2.80	1.833	5.60	3.333	18.19	4.83	4.20
0.350	2.80	1.850	5.60	3.350	18.19	4.85	4.20
0.367	2.80	1.867	5.60	3.367	18.19	4.87	4.20
0.383	2.80	1.883	5.60	3.383	18.19	4.88	4.20
0.400	2.80	1.900	5.60	3.400	18.19	4.90	4.20
0.417	2.80	1.917	5.60	3.417	18.19	4.92	4.20
0.433	2.80	1.933	5.60	3.433	18.19	4.93	4.20
0.450	2.80	1.950	5.60	3.450	18.19	4.95	4.20
0.467	2.80	1.967	5.60	3.467	18.19	4.97	4.20
0.483	2.80	1.983	5.60	3.483	18.19	4.98	4.20
0.500	2.80	2.000	5.60	3.500	18.19	5.00	4.20
0.517	2.80	2.017	7.70	3.517	13.30	5.02	3.50
0.533	2.80	2.033	7.70	3.533	13.30	5.03	3.50
0.550	2.80	2.050	7.70	3.550	13.30	5.05	3.50
0.567	2.80	2.067	7.70	3.567	13.30	5.07	3.50
0.583	2.80	2.083	7.70	3.583	13.30	5.08	3.50
0.600	2.80	2.100	7.70	3.600	13.30	5.10	3.50
0.617	2.80	2.117	7.70	3.617	13.30	5.12	3.50
0.633	2.80	2.133	7.70	3.633	13.30	5.13	3.50
0.650	2.80	2.150	7.70	3.650	13.30	5.15	3.50
0.667	2.80	2.167	7.70	3.667	13.30	5.17	3.50
0.683	2.80	2.183	7.70	3.683	13.30	5.18	3.50
0.700	2.80	2.200	7.70	3.700	13.30	5.20	3.50
0.717	2.80	2.217	7.70	3.717	13.30	5.22	3.50
0.733	2.80	2.233	7.70	3.733	13.30	5.23	3.50
0.750	2.80	2.250	7.70	3.750	13.30	5.25	3.50
0.767	2.80	2.267	9.80	3.767	8.40	5.27	2.80
0.783	2.80	2.283	9.80	3.783	8.40	5.28	2.80
0.800	2.80	2.300	9.80	3.800	8.40	5.30	2.80
0.817	2.80	2.317	9.80	3.817	8.40	5.32	2.80
0.833	2.80	2.333	9.80	3.833	8.40	5.33	2.80
0.850	2.80	2.350	9.80	3.850	8.40	5.35	2.80
0.867	2.80	2.367	9.80	3.867	8.40	5.37	2.80
0.883	2.80	2.383	9.80	3.883	8.40	5.38	2.80
0.900	2.80	2.400	9.80	3.900	8.40	5.40	2.80
0.917	2.80	2.417	9.80	3.917	8.40	5.42	2.80
0.933	2.80	2.433	9.80	3.933	8.40	5.43	2.80
0.950	2.80	2.450	9.80	3.950	8.40	5.45	2.80
0.967	2.80	2.467	9.80	3.967	8.40	5.47	2.80
0.983	2.80	2.483	9.80	3.983	8.40	5.48	2.80
1.000	2.80	2.500	9.80	4.000	8.40	5.50	2.80
1.017	4.20	2.517	40.59	4.017	7.00	5.52	2.80
1.033	4.20	2.533	40.59	4.033	7.00	5.53	2.80
1.050	4.20	2.550	40.59	4.050	7.00	5.55	2.80

1.067	4.20	2.567	40.59	4.067	7.00	5.57	2.80
1.083	4.20	2.583	40.59	4.083	7.00	5.58	2.80
1.100	4.20	2.600	40.59	4.100	7.00	5.60	2.80
1.117	4.20	2.617	40.59	4.117	7.00	5.62	2.80
1.133	4.20	2.633	40.59	4.133	7.00	5.63	2.80
1.150	4.20	2.650	40.59	4.150	7.00	5.65	2.80
1.167	4.20	2.667	40.59	4.167	7.00	5.67	2.80
1.183	4.20	2.683	40.59	4.183	7.00	5.68	2.80
1.200	4.20	2.700	40.59	4.200	7.00	5.70	2.80
1.217	4.20	2.717	40.59	4.217	7.00	5.72	2.80
1.233	4.20	2.733	40.59	4.233	7.00	5.73	2.80
1.250	4.20	2.750	40.59	4.250	7.00	5.75	2.80
1.267	5.60	2.767	71.38	4.267	5.60	5.77	2.80
1.283	5.60	2.783	71.38	4.283	5.60	5.78	2.80
1.300	5.60	2.800	71.38	4.300	5.60	5.80	2.80
1.317	5.60	2.817	71.38	4.317	5.60	5.82	2.80
1.333	5.60	2.833	71.38	4.333	5.60	5.83	2.80
1.350	5.60	2.850	71.38	4.350	5.60	5.85	2.80
1.367	5.60	2.867	71.38	4.367	5.60	5.87	2.80
1.383	5.60	2.883	71.38	4.383	5.60	5.88	2.80
1.400	5.60	2.900	71.38	4.400	5.60	5.90	2.80
1.417	5.60	2.917	71.38	4.417	5.60	5.92	2.80
1.433	5.60	2.933	71.38	4.433	5.60	5.93	2.80
1.450	5.60	2.950	71.38	4.450	5.60	5.95	2.80
1.467	5.60	2.967	71.38	4.467	5.60	5.97	2.80
1.483	5.60	2.983	71.38	4.483	5.60	5.98	2.80
1.500	5.60	3.000	71.38	4.500	5.60	6.00	2.80

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.556 (i)
TIME TO PEAK (hrs)= 3.500
RUNOFF VOLUME (mm)= 19.161
TOTAL RAINFALL (mm)= 69.630
RUNOFF COEFFICIENT = 0.275

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.40	1.517	5.60	3.017	44.79	4.52	4.90
0.033	1.40	1.533	5.60	3.033	44.79	4.53	4.90
0.050	1.40	1.550	5.60	3.050	44.79	4.55	4.90
0.067	1.40	1.567	5.60	3.067	44.79	4.57	4.90
0.083	1.40	1.583	5.60	3.083	44.79	4.58	4.90
0.100	1.40	1.600	5.60	3.100	44.79	4.60	4.90
0.117	1.40	1.617	5.60	3.117	44.79	4.62	4.90
0.133	1.40	1.633	5.60	3.133	44.79	4.63	4.90
0.150	1.40	1.650	5.60	3.150	44.79	4.65	4.90
0.167	1.40	1.667	5.60	3.167	44.79	4.67	4.90
0.183	1.40	1.683	5.60	3.183	44.79	4.68	4.90
0.200	1.40	1.700	5.60	3.200	44.79	4.70	4.90
0.217	1.40	1.717	5.60	3.217	44.79	4.72	4.90
0.233	1.40	1.733	5.60	3.233	44.79	4.73	4.90
0.250	1.40	1.750	5.60	3.250	44.79	4.75	4.90
0.267	2.80	1.767	5.60	3.267	18.20	4.77	4.20
0.283	2.80	1.783	5.60	3.283	18.19	4.78	4.20
0.300	2.80	1.800	5.60	3.300	18.19	4.80	4.20
0.317	2.80	1.817	5.60	3.317	18.19	4.82	4.20
0.333	2.80	1.833	5.60	3.333	18.19	4.83	4.20
0.350	2.80	1.850	5.60	3.350	18.19	4.85	4.20
0.367	2.80	1.867	5.60	3.367	18.19	4.87	4.20
0.383	2.80	1.883	5.60	3.383	18.19	4.88	4.20
0.400	2.80	1.900	5.60	3.400	18.19	4.90	4.20
0.417	2.80	1.917	5.60	3.417	18.19	4.92	4.20
0.433	2.80	1.933	5.60	3.433	18.19	4.93	4.20
0.450	2.80	1.950	5.60	3.450	18.19	4.95	4.20
0.467	2.80	1.967	5.60	3.467	18.19	4.97	4.20
0.483	2.80	1.983	5.60	3.483	18.19	4.98	4.20
0.500	2.80	2.000	5.60	3.500	18.19	5.00	4.20
0.517	2.80	2.017	7.70	3.517	13.30	5.02	3.50
0.533	2.80	2.033	7.70	3.533	13.30	5.03	3.50
0.550	2.80	2.050	7.70	3.550	13.30	5.05	3.50

0.567	2.80	2.067	7.70	3.567	13.30	5.07	3.50
0.583	2.80	2.083	7.70	3.583	13.30	5.08	3.50
0.600	2.80	2.100	7.70	3.600	13.30	5.10	3.50
0.617	2.80	2.117	7.70	3.617	13.30	5.12	3.50
0.633	2.80	2.133	7.70	3.633	13.30	5.13	3.50
0.650	2.80	2.150	7.70	3.650	13.30	5.15	3.50
0.667	2.80	2.167	7.70	3.667	13.30	5.17	3.50
0.683	2.80	2.183	7.70	3.683	13.30	5.18	3.50
0.700	2.80	2.200	7.70	3.700	13.30	5.20	3.50
0.717	2.80	2.217	7.70	3.717	13.30	5.22	3.50
0.733	2.80	2.233	7.70	3.733	13.30	5.23	3.50
0.750	2.80	2.250	7.70	3.750	13.30	5.25	3.50
0.767	2.80	2.267	9.80	3.767	8.40	5.27	2.80
0.783	2.80	2.283	9.80	3.783	8.40	5.28	2.80
0.800	2.80	2.300	9.80	3.800	8.40	5.30	2.80
0.817	2.80	2.317	9.80	3.817	8.40	5.32	2.80
0.833	2.80	2.333	9.80	3.833	8.40	5.33	2.80
0.850	2.80	2.350	9.80	3.850	8.40	5.35	2.80
0.867	2.80	2.367	9.80	3.867	8.40	5.37	2.80
0.883	2.80	2.383	9.80	3.883	8.40	5.38	2.80
0.900	2.80	2.400	9.80	3.900	8.40	5.40	2.80
0.917	2.80	2.417	9.80	3.917	8.40	5.42	2.80
0.933	2.80	2.433	9.80	3.933	8.40	5.43	2.80
0.950	2.80	2.450	9.80	3.950	8.40	5.45	2.80
0.967	2.80	2.467	9.80	3.967	8.40	5.47	2.80
0.983	2.80	2.483	9.80	3.983	8.40	5.48	2.80
1.000	2.80	2.500	9.80	4.000	8.40	5.50	2.80
1.017	4.20	2.517	40.59	4.017	7.00	5.52	2.80
1.033	4.20	2.533	40.59	4.033	7.00	5.53	2.80
1.050	4.20	2.550	40.59	4.050	7.00	5.55	2.80
1.067	4.20	2.567	40.59	4.067	7.00	5.57	2.80
1.083	4.20	2.583	40.59	4.083	7.00	5.58	2.80
1.100	4.20	2.600	40.59	4.100	7.00	5.60	2.80
1.117	4.20	2.617	40.59	4.117	7.00	5.62	2.80
1.133	4.20	2.633	40.59	4.133	7.00	5.63	2.80
1.150	4.20	2.650	40.59	4.150	7.00	5.65	2.80
1.167	4.20	2.667	40.59	4.167	7.00	5.67	2.80
1.183	4.20	2.683	40.59	4.183	7.00	5.68	2.80
1.200	4.20	2.700	40.59	4.200	7.00	5.70	2.80
1.217	4.20	2.717	40.59	4.217	7.00	5.72	2.80
1.233	4.20	2.733	40.59	4.233	7.00	5.73	2.80
1.250	4.20	2.750	40.59	4.250	7.00	5.75	2.80
1.267	5.60	2.767	71.38	4.267	5.60	5.77	2.80
1.283	5.60	2.783	71.38	4.283	5.60	5.78	2.80
1.300	5.60	2.800	71.38	4.300	5.60	5.80	2.80
1.317	5.60	2.817	71.38	4.317	5.60	5.82	2.80
1.333	5.60	2.833	71.38	4.333	5.60	5.83	2.80
1.350	5.60	2.850	71.38	4.350	5.60	5.85	2.80
1.367	5.60	2.867	71.38	4.367	5.60	5.87	2.80
1.383	5.60	2.883	71.38	4.383	5.60	5.88	2.80
1.400	5.60	2.900	71.38	4.400	5.60	5.90	2.80
1.417	5.60	2.917	71.38	4.417	5.60	5.92	2.80
1.433	5.60	2.933	71.38	4.433	5.60	5.93	2.80
1.450	5.60	2.950	71.38	4.450	5.60	5.95	2.80
1.467	5.60	2.967	71.38	4.467	5.60	5.97	2.80
1.483	5.60	2.983	71.38	4.483	5.60	5.98	2.80
1.500	5.60	3.000	71.38	4.500	5.60	6.00	2.80

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.362 (i)
TIME TO PEAK (hrs)= 3.583
RUNOFF VOLUME (mm)= 14.599
TOTAL RAINFALL (mm)= 69.630
RUNOFF COEFFICIENT = 0.210

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
STANDHYD (0204)	Area (ha)= 0.96		
ID= 1 DT= 1.0 min	Total Imp(%)= 68.00	Dir. Conn.(%)= 47.00	
	IMPERVIOUS	PERVIOUS (i)	
Surface Area	(ha)= 0.65	0.31	
Dep. Storage	(mm)= 2.00	5.00	
Average slope	(%)= 1.00	2.00	
Length	(m)= 267.45	40.00	
Mannings n	= 0.013	0.250	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.40	1.517	5.60	3.017	44.79	4.52	4.90
0.033	1.40	1.533	5.60	3.033	44.79	4.53	4.90
0.050	1.40	1.550	5.60	3.050	44.79	4.55	4.90
0.067	1.40	1.567	5.60	3.067	44.79	4.57	4.90
0.083	1.40	1.583	5.60	3.083	44.79	4.58	4.90
0.100	1.40	1.600	5.60	3.100	44.79	4.60	4.90
0.117	1.40	1.617	5.60	3.117	44.79	4.62	4.90
0.133	1.40	1.633	5.60	3.133	44.79	4.63	4.90
0.150	1.40	1.650	5.60	3.150	44.79	4.65	4.90
0.167	1.40	1.667	5.60	3.167	44.79	4.67	4.90
0.183	1.40	1.683	5.60	3.183	44.79	4.68	4.90
0.200	1.40	1.700	5.60	3.200	44.79	4.70	4.90
0.217	1.40	1.717	5.60	3.217	44.79	4.72	4.90
0.233	1.40	1.733	5.60	3.233	44.79	4.73	4.90
0.250	1.40	1.750	5.60	3.250	44.79	4.75	4.90
0.267	2.80	1.767	5.60	3.267	18.20	4.77	4.20
0.283	2.80	1.783	5.60	3.283	18.19	4.78	4.20
0.300	2.80	1.800	5.60	3.300	18.19	4.80	4.20
0.317	2.80	1.817	5.60	3.317	18.19	4.82	4.20
0.333	2.80	1.833	5.60	3.333	18.19	4.83	4.20
0.350	2.80	1.850	5.60	3.350	18.19	4.85	4.20
0.367	2.80	1.867	5.60	3.367	18.19	4.87	4.20
0.383	2.80	1.883	5.60	3.383	18.19	4.88	4.20
0.400	2.80	1.900	5.60	3.400	18.19	4.90	4.20
0.417	2.80	1.917	5.60	3.417	18.19	4.92	4.20
0.433	2.80	1.933	5.60	3.433	18.19	4.93	4.20
0.450	2.80	1.950	5.60	3.450	18.19	4.95	4.20
0.467	2.80	1.967	5.60	3.467	18.19	4.97	4.20
0.483	2.80	1.983	5.60	3.483	18.19	4.98	4.20
0.500	2.80	2.000	5.60	3.500	18.19	5.00	4.20
0.517	2.80	2.017	7.70	3.517	13.30	5.02	3.50
0.533	2.80	2.033	7.70	3.533	13.30	5.03	3.50
0.550	2.80	2.050	7.70	3.550	13.30	5.05	3.50
0.567	2.80	2.067	7.70	3.567	13.30	5.07	3.50
0.583	2.80	2.083	7.70	3.583	13.30	5.08	3.50
0.600	2.80	2.100	7.70	3.600	13.30	5.10	3.50
0.617	2.80	2.117	7.70	3.617	13.30	5.12	3.50
0.633	2.80	2.133	7.70	3.633	13.30	5.13	3.50
0.650	2.80	2.150	7.70	3.650	13.30	5.15	3.50
0.667	2.80	2.167	7.70	3.667	13.30	5.17	3.50
0.683	2.80	2.183	7.70	3.683	13.30	5.18	3.50
0.700	2.80	2.200	7.70	3.700	13.30	5.20	3.50
0.717	2.80	2.217	7.70	3.717	13.30	5.22	3.50
0.733	2.80	2.233	7.70	3.733	13.30	5.23	3.50
0.750	2.80	2.250	7.70	3.750	13.30	5.25	3.50
0.767	2.80	2.267	9.80	3.767	8.40	5.27	2.80
0.783	2.80	2.283	9.80	3.783	8.40	5.28	2.80
0.800	2.80	2.300	9.80	3.800	8.40	5.30	2.80
0.817	2.80	2.317	9.80	3.817	8.40	5.32	2.80
0.833	2.80	2.333	9.80	3.833	8.40	5.33	2.80
0.850	2.80	2.350	9.80	3.850	8.40	5.35	2.80
0.867	2.80	2.367	9.80	3.867	8.40	5.37	2.80
0.883	2.80	2.383	9.80	3.883	8.40	5.38	2.80
0.900	2.80	2.400	9.80	3.900	8.40	5.40	2.80
0.917	2.80	2.417	9.80	3.917	8.40	5.42	2.80
0.933	2.80	2.433	9.80	3.933	8.40	5.43	2.80
0.950	2.80	2.450	9.80	3.950	8.40	5.45	2.80
0.967	2.80	2.467	9.80	3.967	8.40	5.47	2.80
0.983	2.80	2.483	9.80	3.983	8.40	5.48	2.80
1.000	2.80	2.500	9.80	4.000	8.40	5.50	2.80
1.017	4.20	2.517	40.59	4.017	7.00	5.52	2.80
1.033	4.20	2.533	40.59	4.033	7.00	5.53	2.80
1.050	4.20	2.550	40.59	4.050	7.00	5.55	2.80
1.067	4.20	2.567	40.59	4.067	7.00	5.57	2.80
1.083	4.20	2.583	40.59	4.083	7.00	5.58	2.80
1.100	4.20	2.600	40.59	4.100	7.00	5.60	2.80
1.117	4.20	2.617	40.59	4.117	7.00	5.62	2.80
1.133	4.20	2.633	40.59	4.133	7.00	5.63	2.80
1.150	4.20	2.650	40.59	4.150	7.00	5.65	2.80
1.167	4.20	2.667	40.59	4.167	7.00	5.67	2.80
1.183	4.20	2.683	40.59	4.183	7.00	5.68	2.80
1.200	4.20	2.700	40.59	4.200	7.00	5.70	2.80
1.217	4.20	2.717	40.59	4.217	7.00	5.72	2.80
1.233	4.20	2.733	40.59	4.233	7.00	5.73	2.80
1.250	4.20	2.750	40.59	4.250	7.00	5.75	2.80
1.267	5.60	2.767	71.38	4.267	5.60	5.77	2.80
1.283	5.60	2.783	71.38	4.283	5.60	5.78	2.80
1.300	5.60	2.800	71.38	4.300	5.60	5.80	2.80
1.317	5.60	2.817	71.38	4.317	5.60	5.82	2.80
1.333	5.60	2.833	71.38	4.333	5.60	5.83	2.80
1.350	5.60	2.850	71.38	4.350	5.60	5.85	2.80

1.367	5.60	2.867	71.38	4.367	5.60	5.87	2.80
1.383	5.60	2.883	71.38	4.383	5.60	5.88	2.80
1.400	5.60	2.900	71.38	4.400	5.60	5.90	2.80
1.417	5.60	2.917	71.38	4.417	5.60	5.92	2.80
1.433	5.60	2.933	71.38	4.433	5.60	5.93	2.80
1.450	5.60	2.950	71.38	4.450	5.60	5.95	2.80
1.467	5.60	2.967	71.38	4.467	5.60	5.97	2.80
1.483	5.60	2.983	71.38	4.483	5.60	5.98	2.80
1.500	5.60	3.000	71.38	4.500	5.60	6.00	2.80

Max.Eff.Inten.(mm/hr)= 71.38 40.99
over (min) 5.00 13.00
Storage Coeff. (min)= 5.28 (ii) 12.20 (ii)
Unit Hyd. Tpeak (min)= 5.00 13.00
Unit Hyd. peak (cms)= 0.22 0.09

TOTALS

PEAK FLOW (cms)= 0.09 0.03 0.105 (iii)
TIME TO PEAK (hrs)= 3.00 3.27 3.02
RUNOFF VOLUME (mm)= 67.63 22.49 43.70
TOTAL RAINFALL (mm)= 69.63 69.63
RUNOFF COEFFICIENT = 0.97 0.32 0.63

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3				
		AREA	QPEAK	TPEAK
		(ha)	(cms)	(hrs)
				R.V.
				(mm)
ID1= 1 (0204):		0.96	0.105	3.02
+ ID2= 2 (0205):		14.50	0.362	3.58
ID = 3 (0017):		15.46	0.403	3.53
				16.41

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1				
		AREA	QPEAK	TPEAK
		(ha)	(cms)	(hrs)
				R.V.
				(mm)
ID1= 3 (0017):		15.46	0.403	3.53
+ ID2= 2 (0087):		15.86	0.556	3.50
ID = 1 (0017):		31.32	0.958	3.52
				17.80

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB			
STANDHYD (0012)			
ID= 1 DT= 1.0 min			
		Area (ha)=	1.18
		Total Imp(%)=	22.00
		Dir. Conn.(%)=	22.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.26	0.92
Dep. Storage	(mm)=	2.00	4.60
Average Slope	(%)=	1.00	2.00
Length	(m)=	88.84	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.40	1.517	5.60	3.017	44.79	4.52	4.90
0.033	1.40	1.533	5.60	3.033	44.79	4.53	4.90
0.050	1.40	1.550	5.60	3.050	44.79	4.55	4.90
0.067	1.40	1.567	5.60	3.067	44.79	4.57	4.90
0.083	1.40	1.583	5.60	3.083	44.79	4.58	4.90
0.100	1.40	1.600	5.60	3.100	44.79	4.60	4.90
0.117	1.40	1.617	5.60	3.117	44.79	4.62	4.90
0.133	1.40	1.633	5.60	3.133	44.79	4.63	4.90
0.150	1.40	1.650	5.60	3.150	44.79	4.65	4.90
0.167	1.40	1.667	5.60	3.167	44.79	4.67	4.90
0.183	1.40	1.683	5.60	3.183	44.79	4.68	4.90
0.200	1.40	1.700	5.60	3.200	44.79	4.70	4.90

0.217	1.40	1.717	5.60	3.217	44.79	4.72	4.90
0.233	1.40	1.733	5.60	3.233	44.79	4.73	4.90
0.250	1.40	1.750	5.60	3.250	44.79	4.75	4.90
0.267	2.80	1.767	5.60	3.267	18.19	4.77	4.20
0.283	2.80	1.783	5.60	3.283	18.19	4.78	4.20
0.300	2.80	1.800	5.60	3.300	18.19	4.80	4.20
0.317	2.80	1.817	5.60	3.317	18.19	4.82	4.20
0.333	2.80	1.833	5.60	3.333	18.19	4.83	4.20
0.350	2.80	1.850	5.60	3.350	18.19	4.85	4.20
0.367	2.80	1.867	5.60	3.367	18.19	4.87	4.20
0.383	2.80	1.883	5.60	3.383	18.19	4.88	4.20
0.400	2.80	1.900	5.60	3.400	18.19	4.90	4.20
0.417	2.80	1.917	5.60	3.417	18.19	4.92	4.20
0.433	2.80	1.933	5.60	3.433	18.19	4.93	4.20
0.450	2.80	1.950	5.60	3.450	18.19	4.95	4.20
0.467	2.80	1.967	5.60	3.467	18.19	4.97	4.20
0.483	2.80	1.983	5.60	3.483	18.19	4.98	4.20
0.500	2.80	2.000	5.60	3.500	18.19	5.00	4.20
0.517	2.80	2.017	7.70	3.517	13.30	5.02	3.50
0.533	2.80	2.033	7.70	3.533	13.30	5.03	3.50
0.550	2.80	2.050	7.70	3.550	13.30	5.05	3.50
0.567	2.80	2.067	7.70	3.567	13.30	5.07	3.50
0.583	2.80	2.083	7.70	3.583	13.30	5.08	3.50
0.600	2.80	2.100	7.70	3.600	13.30	5.10	3.50
0.617	2.80	2.117	7.70	3.617	13.30	5.12	3.50
0.633	2.80	2.133	7.70	3.633	13.30	5.13	3.50
0.650	2.80	2.150	7.70	3.650	13.30	5.15	3.50
0.667	2.80	2.167	7.70	3.667	13.30	5.17	3.50
0.683	2.80	2.183	7.70	3.683	13.30	5.18	3.50
0.700	2.80	2.200	7.70	3.700	13.30	5.20	3.50
0.717	2.80	2.217	7.70	3.717	13.30	5.22	3.50
0.733	2.80	2.233	7.70	3.733	13.30	5.23	3.50
0.750	2.80	2.250	7.70	3.750	13.30	5.25	3.50
0.767	2.80	2.267	9.80	3.767	8.40	5.27	2.80
0.783	2.80	2.283	9.80	3.783	8.40	5.28	2.80
0.800	2.80	2.300	9.80	3.800	8.40	5.30	2.80
0.817	2.80	2.317	9.80	3.817	8.40	5.32	2.80
0.833	2.80	2.333	9.80	3.833	8.40	5.33	2.80
0.850	2.80	2.350	9.80	3.850	8.40	5.35	2.80
0.867	2.80	2.367	9.80	3.867	8.40	5.37	2.80
0.883	2.80	2.383	9.80	3.883	8.40	5.38	2.80
0.900	2.80	2.400	9.80	3.900	8.40	5.40	2.80
0.917	2.80	2.417	9.80	3.917	8.40	5.42	2.80
0.933	2.80	2.433	9.80	3.933	8.40	5.43	2.80
0.950	2.80	2.450	9.80	3.950	8.40	5.45	2.80
0.967	2.80	2.467	9.80	3.967	8.40	5.47	2.80
0.983	2.80	2.483	9.80	3.983	8.40	5.48	2.80
1.000	2.80	2.500	9.80	4.000	8.40	5.50	2.80
1.017	4.20	2.517	40.59	4.017	7.00	5.52	2.80
1.033	4.20	2.533	40.59	4.033	7.00	5.53	2.80
1.050	4.20	2.550	40.59	4.050	7.00	5.55	2.80
1.067	4.20	2.567	40.59	4.067	7.00	5.57	2.80
1.083	4.20	2.583	40.59	4.083	7.00	5.58	2.80
1.100	4.20	2.600	40.59	4.100	7.00	5.60	2.80
1.117	4.20	2.617	40.59	4.117	7.00	5.62	2.80
1.133	4.20	2.633	40.59	4.133	7.00	5.63	2.80
1.150	4.20	2.650	40.59	4.150	7.00	5.65	2.80
1.167	4.20	2.667	40.59	4.167	7.00	5.67	2.80
1.183	4.20	2.683	40.59	4.183	7.00	5.68	2.80
1.200	4.20	2.700	40.59	4.200	7.00	5.70	2.80
1.217	4.20	2.717	40.59	4.217	7.00	5.72	2.80
1.233	4.20	2.733	40.59	4.233	7.00	5.73	2.80
1.250	4.20	2.750	40.59	4.250	7.00	5.75	2.80
1.267	5.60	2.767	71.38	4.267	5.60	5.77	2.80
1.283	5.60	2.783	71.38	4.283	5.60	5.78	2.80
1.300	5.60	2.800	71.38	4.300	5.60	5.80	2.80
1.317	5.60	2.817	71.38	4.317	5.60	5.82	2.80
1.333	5.60	2.833	71.38	4.333	5.60	5.83	2.80
1.350	5.60	2.850	71.38	4.350	5.60	5.85	2.80
1.367	5.60	2.867	71.38	4.367	5.60	5.87	2.80
1.383	5.60	2.883	71.38	4.383	5.60	5.88	2.80
1.400	5.60	2.900	71.38	4.400	5.60	5.90	2.80
1.417	5.60	2.917	71.38	4.417	5.60	5.92	2.80
1.433	5.60	2.933	71.38	4.433	5.60	5.93	2.80
1.450	5.60	2.950	71.38	4.450	5.60	5.95	2.80
1.467	5.60	2.967	71.38	4.467	5.60	5.97	2.80
1.483	5.60	2.983	71.38	4.483	5.60	5.98	2.80
1.500	5.60	3.000	71.38	4.500	5.60	6.00	2.80

Max.Eff.Inten.(mm/hr)= 71.38 14.68
 over (min) 5.00 18.00
 Storage Coeff. (min)= 2.72 (ii) 17.93 (ii)
 Unit Hyd. Tpeak (min)= 5.00 18.00
 Unit Hyd. peak (cms)= 0.32 0.06

PEAK FLOW	(cms)=	0.05	0.03	*TOTALS*
TIME TO PEAK	(hrs)=	3.00	3.37	0.065 (iii)
RUNOFF VOLUME	(mm)=	67.63	15.03	3.02
TOTAL RAINFALL	(mm)=	69.63	69.63	26.59
RUNOFF COEFFICIENT	=	0.97	0.22	69.63
				0.38

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB	Area (ha)=	17.16	
STANDHYD (0203)	Total Imp(%)=	42.00	Dir. Conn.(%)= 30.00
ID= 1 DT= 1.0 min			

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.21	9.95
Dep. Storage	(mm)=	2.00	5.00
Average slope	(%)=	1.00	2.00
Length	(m)=	267.45	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.40	1.517	5.60	3.017	44.79	4.52	4.90
0.033	1.40	1.533	5.60	3.033	44.79	4.53	4.90
0.050	1.40	1.550	5.60	3.050	44.79	4.55	4.90
0.067	1.40	1.567	5.60	3.067	44.79	4.57	4.90
0.083	1.40	1.583	5.60	3.083	44.79	4.58	4.90
0.100	1.40	1.600	5.60	3.100	44.79	4.60	4.90
0.117	1.40	1.617	5.60	3.117	44.79	4.62	4.90
0.133	1.40	1.633	5.60	3.133	44.79	4.63	4.90
0.150	1.40	1.650	5.60	3.150	44.79	4.65	4.90
0.167	1.40	1.667	5.60	3.167	44.79	4.67	4.90
0.183	1.40	1.683	5.60	3.183	44.79	4.68	4.90
0.200	1.40	1.700	5.60	3.200	44.79	4.70	4.90
0.217	1.40	1.717	5.60	3.217	44.79	4.72	4.90
0.233	1.40	1.733	5.60	3.233	44.79	4.73	4.90
0.250	1.40	1.750	5.60	3.250	44.79	4.75	4.90
0.267	2.80	1.767	5.60	3.267	18.20	4.77	4.20
0.283	2.80	1.783	5.60	3.283	18.19	4.78	4.20
0.300	2.80	1.800	5.60	3.300	18.19	4.80	4.20
0.317	2.80	1.817	5.60	3.317	18.19	4.82	4.20
0.333	2.80	1.833	5.60	3.333	18.19	4.83	4.20
0.350	2.80	1.850	5.60	3.350	18.19	4.85	4.20
0.367	2.80	1.867	5.60	3.367	18.19	4.87	4.20
0.383	2.80	1.883	5.60	3.383	18.19	4.88	4.20
0.400	2.80	1.900	5.60	3.400	18.19	4.90	4.20
0.417	2.80	1.917	5.60	3.417	18.19	4.92	4.20
0.433	2.80	1.933	5.60	3.433	18.19	4.93	4.20
0.450	2.80	1.950	5.60	3.450	18.19	4.95	4.20
0.467	2.80	1.967	5.60	3.467	18.19	4.97	4.20
0.483	2.80	1.983	5.60	3.483	18.19	4.98	4.20
0.500	2.80	2.000	5.60	3.500	18.19	5.00	4.20
0.517	2.80	2.017	7.70	3.517	13.30	5.02	3.50
0.533	2.80	2.033	7.70	3.533	13.30	5.03	3.50
0.550	2.80	2.050	7.70	3.550	13.30	5.05	3.50
0.567	2.80	2.067	7.70	3.567	13.30	5.07	3.50
0.583	2.80	2.083	7.70	3.583	13.30	5.08	3.50
0.600	2.80	2.100	7.70	3.600	13.30	5.10	3.50
0.617	2.80	2.117	7.70	3.617	13.30	5.12	3.50
0.633	2.80	2.133	7.70	3.633	13.30	5.13	3.50
0.650	2.80	2.150	7.70	3.650	13.30	5.15	3.50
0.667	2.80	2.167	7.70	3.667	13.30	5.17	3.50
0.683	2.80	2.183	7.70	3.683	13.30	5.18	3.50
0.700	2.80	2.200	7.70	3.700	13.30	5.20	3.50
0.717	2.80	2.217	7.70	3.717	13.30	5.22	3.50
0.733	2.80	2.233	7.70	3.733	13.30	5.23	3.50
0.750	2.80	2.250	7.70	3.750	13.30	5.25	3.50
0.767	2.80	2.267	9.80	3.767	8.40	5.27	2.80
0.783	2.80	2.283	9.80	3.783	8.40	5.28	2.80
0.800	2.80	2.300	9.80	3.800	8.40	5.30	2.80
0.817	2.80	2.317	9.80	3.817	8.40	5.32	2.80
0.833	2.80	2.333	9.80	3.833	8.40	5.33	2.80
0.850	2.80	2.350	9.80	3.850	8.40	5.35	2.80

0.867	2.80	2.367	9.80	3.867	8.40	5.37	2.80
0.883	2.80	2.383	9.80	3.883	8.40	5.38	2.80
0.900	2.80	2.400	9.80	3.900	8.40	5.40	2.80
0.917	2.80	2.417	9.80	3.917	8.40	5.42	2.80
0.933	2.80	2.433	9.80	3.933	8.40	5.43	2.80
0.950	2.80	2.450	9.80	3.950	8.40	5.45	2.80
0.967	2.80	2.467	9.80	3.967	8.40	5.47	2.80
0.983	2.80	2.483	9.80	3.983	8.40	5.48	2.80
1.000	2.80	2.500	9.80	4.000	8.40	5.50	2.80
1.017	4.20	2.517	40.59	4.017	7.00	5.52	2.80
1.033	4.20	2.533	40.59	4.033	7.00	5.53	2.80
1.050	4.20	2.550	40.59	4.050	7.00	5.55	2.80
1.067	4.20	2.567	40.59	4.067	7.00	5.57	2.80
1.083	4.20	2.583	40.59	4.083	7.00	5.58	2.80
1.100	4.20	2.600	40.59	4.100	7.00	5.60	2.80
1.117	4.20	2.617	40.59	4.117	7.00	5.62	2.80
1.133	4.20	2.633	40.59	4.133	7.00	5.63	2.80
1.150	4.20	2.650	40.59	4.150	7.00	5.65	2.80
1.167	4.20	2.667	40.59	4.167	7.00	5.67	2.80
1.183	4.20	2.683	40.59	4.183	7.00	5.68	2.80
1.200	4.20	2.700	40.59	4.200	7.00	5.70	2.80
1.217	4.20	2.717	40.59	4.217	7.00	5.72	2.80
1.233	4.20	2.733	40.59	4.233	7.00	5.73	2.80
1.250	4.20	2.750	40.59	4.250	7.00	5.75	2.80
1.267	5.60	2.767	71.38	4.267	5.60	5.77	2.80
1.283	5.60	2.783	71.38	4.283	5.60	5.78	2.80
1.300	5.60	2.800	71.38	4.300	5.60	5.80	2.80
1.317	5.60	2.817	71.38	4.317	5.60	5.82	2.80
1.333	5.60	2.833	71.38	4.333	5.60	5.83	2.80
1.350	5.60	2.850	71.38	4.350	5.60	5.85	2.80
1.367	5.60	2.867	71.38	4.367	5.60	5.87	2.80
1.383	5.60	2.883	71.38	4.383	5.60	5.88	2.80
1.400	5.60	2.900	71.38	4.400	5.60	5.90	2.80
1.417	5.60	2.917	71.38	4.417	5.60	5.92	2.80
1.433	5.60	2.933	71.38	4.433	5.60	5.93	2.80
1.450	5.60	2.950	71.38	4.450	5.60	5.95	2.80
1.467	5.60	2.967	71.38	4.467	5.60	5.97	2.80
1.483	5.60	2.983	71.38	4.483	5.60	5.98	2.80
1.500	5.60	3.000	71.38	4.500	5.60	6.00	2.80

Max.Eff.Inten.(mm/hr)= 71.38 21.73
over (min) 5.00 19.00
Storage Coeff. (min)= 5.28 (ii) 18.27 (ii)
Unit Hyd. Tpeak (min)= 5.00 19.00
Unit Hyd. peak (cms)= 0.22 0.06

PEAK FLOW (cms)= 0.98 0.42 *TOTALS*
TIME TO PEAK (hrs)= 3.00 3.03 1.196 (iii)
RUNOFF VOLUME (mm)= 67.63 17.52 32.55
TOTAL RAINFALL (mm)= 69.63 69.63 69.63
RUNOFF COEFFICIENT = 0.97 0.25 0.47

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)				
1 + 2 = 3				
ID1= 1 (0012):	1.18	0.065	3.02	26.59
+ ID2= 2 (0203):	17.16	1.196	3.03	32.55
ID = 3 (0082):	18.34	1.261	3.03	32.17

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 5.0 min				
OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)	
0.0000	0.0000	0.0940	0.3600	
0.0120	0.2100	0.1210	0.4000	
0.0550	0.2600	0.1500	0.4500	
0.0620	0.3000	0.3000	0.7210	
AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)	

INFLOW : ID= 2 (0082) 18.340 1.261 3.03 32.17
OUTFLOW: ID= 1 (0002) 18.340 0.153 4.97 23.97

PEAK FLOW REDUCTION [Qout/Qin](%)= 12.11
TIME SHIFT OF PEAK FLOW (min)=116.00
MAXIMUM STORAGE USED (ha.m.)= 0.4549

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

```
-----  
| ADD HYD ( 0089) |  
| 1 + 2 = 3 |  
-----  
ID1= 1 ( 0017): AREA (ha) QPEAK (cms) TPEAK (hrs) R.V. (mm)  
+ ID2= 2 ( 0002): 31.32 0.958 3.52 17.80  
                  18.34 0.153 4.97 23.97  
=====
```

ID = 3 (0089): 49.66 1.051 3.55 20.08

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:2.6 SCS II 6hr 100yr **

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-----  
| CALIB |  
| NASHYD ( 0087) | Area (ha)= 15.86 Curve Number (CN)= 62.0  
| ID= 1 DT= 1.0 min | Ia (mm)= 4.60 # of Linear Res.(N)= 3.00  
| U.H. Tp(hrs)= 0.40 |  
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NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

```
----- TRANSFORMED HYETOGRAPH -----  
TIME RAIN TIME RAIN TIME RAIN TIME RAIN  
hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr  
0.017 1.53 1.517 6.13 3.017 49.01 4.52 5.36  
0.033 1.53 1.533 6.13 3.033 49.00 4.53 5.36  
0.050 1.53 1.550 6.13 3.050 49.00 4.55 5.36  
0.067 1.53 1.567 6.13 3.067 49.00 4.57 5.36  
0.083 1.53 1.583 6.13 3.083 49.00 4.58 5.36  
0.100 1.53 1.600 6.13 3.100 49.00 4.60 5.36  
0.117 1.53 1.617 6.13 3.117 49.00 4.62 5.36  
0.133 1.53 1.633 6.13 3.133 49.00 4.63 5.36  
0.150 1.53 1.650 6.13 3.150 49.00 4.65 5.36  
0.167 1.53 1.667 6.13 3.167 49.00 4.67 5.36  
0.183 1.53 1.683 6.13 3.183 49.00 4.68 5.36  
0.200 1.53 1.700 6.13 3.200 49.00 4.70 5.36  
0.217 1.53 1.717 6.13 3.217 49.00 4.72 5.36  
0.233 1.53 1.733 6.13 3.233 49.00 4.73 5.36  
0.250 1.53 1.750 6.13 3.250 49.00 4.75 5.36  
0.267 3.06 1.767 6.13 3.267 19.91 4.77 4.59  
0.283 3.06 1.783 6.13 3.283 19.91 4.78 4.59  
0.300 3.06 1.800 6.13 3.300 19.91 4.80 4.59  
0.317 3.06 1.817 6.13 3.317 19.91 4.82 4.59  
0.333 3.06 1.833 6.13 3.333 19.91 4.83 4.59  
0.350 3.06 1.850 6.13 3.350 19.91 4.85 4.59  
0.367 3.06 1.867 6.13 3.367 19.91 4.87 4.59  
0.383 3.06 1.883 6.13 3.383 19.91 4.88 4.59  
0.400 3.06 1.900 6.13 3.400 19.91 4.90 4.59  
0.417 3.06 1.917 6.13 3.417 19.91 4.92 4.59  
0.433 3.06 1.933 6.13 3.433 19.91 4.93 4.59  
0.450 3.06 1.950 6.13 3.450 19.91 4.95 4.59  
0.467 3.06 1.967 6.13 3.467 19.91 4.97 4.59  
0.483 3.06 1.983 6.13 3.483 19.91 4.98 4.59  
0.500 3.06 2.000 6.13 3.500 19.91 5.00 4.59  
0.517 3.06 2.017 8.42 3.517 14.55 5.02 3.83  
0.533 3.06 2.033 8.42 3.533 14.55 5.03 3.83  
0.550 3.06 2.050 8.42 3.550 14.55 5.05 3.83  
0.567 3.06 2.067 8.42 3.567 14.55 5.07 3.83  
0.583 3.06 2.083 8.42 3.583 14.55 5.08 3.83  
0.600 3.06 2.100 8.42 3.600 14.55 5.10 3.83  
0.617 3.06 2.117 8.42 3.617 14.55 5.12 3.83  
0.633 3.06 2.133 8.42 3.633 14.55 5.13 3.83  
0.650 3.06 2.150 8.42 3.650 14.55 5.15 3.83  
0.667 3.06 2.167 8.42 3.667 14.55 5.17 3.83  
0.683 3.06 2.183 8.42 3.683 14.55 5.18 3.83  
0.700 3.06 2.200 8.42 3.700 14.55 5.20 3.83  
0.717 3.06 2.217 8.42 3.717 14.55 5.22 3.83  
0.733 3.06 2.233 8.42 3.733 14.55 5.23 3.83  
0.750 3.06 2.250 8.42 3.750 14.55 5.25 3.83  
0.767 3.06 2.267 10.72 3.767 9.19 5.27 3.06  
0.783 3.06 2.283 10.72 3.783 9.19 5.28 3.06  
0.800 3.06 2.300 10.72 3.800 9.19 5.30 3.06
```

0.817	3.06	2.317	10.72	3.817	9.19	5.32	3.06
0.833	3.06	2.333	10.72	3.833	9.19	5.33	3.06
0.850	3.06	2.350	10.72	3.850	9.19	5.35	3.06
0.867	3.06	2.367	10.72	3.867	9.19	5.37	3.06
0.883	3.06	2.383	10.72	3.883	9.19	5.38	3.06
0.900	3.06	2.400	10.72	3.900	9.19	5.40	3.06
0.917	3.06	2.417	10.72	3.917	9.19	5.42	3.06
0.933	3.06	2.433	10.72	3.933	9.19	5.43	3.06
0.950	3.06	2.450	10.72	3.950	9.19	5.45	3.06
0.967	3.06	2.467	10.72	3.967	9.19	5.47	3.06
0.983	3.06	2.483	10.72	3.983	9.19	5.48	3.06
1.000	3.06	2.500	10.72	4.000	9.19	5.50	3.06
1.017	4.59	2.517	44.41	4.017	7.66	5.52	3.06
1.033	4.59	2.533	44.41	4.033	7.66	5.53	3.06
1.050	4.59	2.550	44.41	4.050	7.66	5.55	3.06
1.067	4.59	2.567	44.41	4.067	7.66	5.57	3.06
1.083	4.59	2.583	44.41	4.083	7.66	5.58	3.06
1.100	4.59	2.600	44.41	4.100	7.66	5.60	3.06
1.117	4.59	2.617	44.41	4.117	7.66	5.62	3.06
1.133	4.59	2.633	44.41	4.133	7.66	5.63	3.06
1.150	4.59	2.650	44.41	4.150	7.66	5.65	3.06
1.167	4.59	2.667	44.41	4.167	7.66	5.67	3.06
1.183	4.59	2.683	44.41	4.183	7.66	5.68	3.06
1.200	4.59	2.700	44.41	4.200	7.66	5.70	3.06
1.217	4.59	2.717	44.41	4.217	7.66	5.72	3.06
1.233	4.59	2.733	44.41	4.233	7.66	5.73	3.06
1.250	4.59	2.750	44.41	4.250	7.66	5.75	3.06
1.267	6.13	2.767	78.10	4.267	6.13	5.77	3.06
1.283	6.13	2.783	78.10	4.283	6.13	5.78	3.06
1.300	6.13	2.800	78.10	4.300	6.13	5.80	3.06
1.317	6.13	2.817	78.10	4.317	6.13	5.82	3.06
1.333	6.13	2.833	78.10	4.333	6.13	5.83	3.06
1.350	6.13	2.850	78.10	4.350	6.13	5.85	3.06
1.367	6.13	2.867	78.10	4.367	6.13	5.87	3.06
1.383	6.13	2.883	78.10	4.383	6.13	5.88	3.06
1.400	6.13	2.900	78.10	4.400	6.13	5.90	3.06
1.417	6.13	2.917	78.10	4.417	6.13	5.92	3.06
1.433	6.13	2.933	78.10	4.433	6.13	5.93	3.06
1.450	6.13	2.950	78.10	4.450	6.13	5.95	3.06
1.467	6.13	2.967	78.10	4.467	6.13	5.97	3.06
1.483	6.13	2.983	78.10	4.483	6.13	5.98	3.06
1.500	6.13	3.000	78.10	4.500	6.13	6.00	3.06

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.656 (i)
TIME TO PEAK (hrs)= 3.500
RUNOFF VOLUME (mm)= 22.549
TOTAL RAINFALL (mm)= 76.187
RUNOFF COEFFICIENT = 0.296

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.53	1.517	6.13	3.017	49.01	4.52	5.36
0.033	1.53	1.533	6.13	3.033	49.00	4.53	5.36
0.050	1.53	1.550	6.13	3.050	49.00	4.55	5.36
0.067	1.53	1.567	6.13	3.067	49.00	4.57	5.36
0.083	1.53	1.583	6.13	3.083	49.00	4.58	5.36
0.100	1.53	1.600	6.13	3.100	49.00	4.60	5.36
0.117	1.53	1.617	6.13	3.117	49.00	4.62	5.36
0.133	1.53	1.633	6.13	3.133	49.00	4.63	5.36
0.150	1.53	1.650	6.13	3.150	49.00	4.65	5.36
0.167	1.53	1.667	6.13	3.167	49.00	4.67	5.36
0.183	1.53	1.683	6.13	3.183	49.00	4.68	5.36
0.200	1.53	1.700	6.13	3.200	49.00	4.70	5.36
0.217	1.53	1.717	6.13	3.217	49.00	4.72	5.36
0.233	1.53	1.733	6.13	3.233	49.00	4.73	5.36
0.250	1.53	1.750	6.13	3.250	49.00	4.75	5.36
0.267	3.06	1.767	6.13	3.267	19.91	4.77	4.59
0.283	3.06	1.783	6.13	3.283	19.91	4.78	4.59
0.300	3.06	1.800	6.13	3.300	19.91	4.80	4.59

0.317	3.06	1.817	6.13	3.317	19.91	4.82	4.59
0.333	3.06	1.833	6.13	3.333	19.91	4.83	4.59
0.350	3.06	1.850	6.13	3.350	19.91	4.85	4.59
0.367	3.06	1.867	6.13	3.367	19.91	4.87	4.59
0.383	3.06	1.883	6.13	3.383	19.91	4.88	4.59
0.400	3.06	1.900	6.13	3.400	19.91	4.90	4.59
0.417	3.06	1.917	6.13	3.417	19.91	4.92	4.59
0.433	3.06	1.933	6.13	3.433	19.91	4.93	4.59
0.450	3.06	1.950	6.13	3.450	19.91	4.95	4.59
0.467	3.06	1.967	6.13	3.467	19.91	4.97	4.59
0.483	3.06	1.983	6.13	3.483	19.91	4.98	4.59
0.500	3.06	2.000	6.13	3.500	19.91	5.00	4.59
0.517	3.06	2.017	8.42	3.517	14.55	5.02	3.83
0.533	3.06	2.033	8.42	3.533	14.55	5.03	3.83
0.550	3.06	2.050	8.42	3.550	14.55	5.05	3.83
0.567	3.06	2.067	8.42	3.567	14.55	5.07	3.83
0.583	3.06	2.083	8.42	3.583	14.55	5.08	3.83
0.600	3.06	2.100	8.42	3.600	14.55	5.10	3.83
0.617	3.06	2.117	8.42	3.617	14.55	5.12	3.83
0.633	3.06	2.133	8.42	3.633	14.55	5.13	3.83
0.650	3.06	2.150	8.42	3.650	14.55	5.15	3.83
0.667	3.06	2.167	8.42	3.667	14.55	5.17	3.83
0.683	3.06	2.183	8.42	3.683	14.55	5.18	3.83
0.700	3.06	2.200	8.42	3.700	14.55	5.20	3.83
0.717	3.06	2.217	8.42	3.717	14.55	5.22	3.83
0.733	3.06	2.233	8.42	3.733	14.55	5.23	3.83
0.750	3.06	2.250	8.42	3.750	14.55	5.25	3.83
0.767	3.06	2.267	10.72	3.767	9.19	5.27	3.06
0.783	3.06	2.283	10.72	3.783	9.19	5.28	3.06
0.800	3.06	2.300	10.72	3.800	9.19	5.30	3.06
0.817	3.06	2.317	10.72	3.817	9.19	5.32	3.06
0.833	3.06	2.333	10.72	3.833	9.19	5.33	3.06
0.850	3.06	2.350	10.72	3.850	9.19	5.35	3.06
0.867	3.06	2.367	10.72	3.867	9.19	5.37	3.06
0.883	3.06	2.383	10.72	3.883	9.19	5.38	3.06
0.900	3.06	2.400	10.72	3.900	9.19	5.40	3.06
0.917	3.06	2.417	10.72	3.917	9.19	5.42	3.06
0.933	3.06	2.433	10.72	3.933	9.19	5.43	3.06
0.950	3.06	2.450	10.72	3.950	9.19	5.45	3.06
0.967	3.06	2.467	10.72	3.967	9.19	5.47	3.06
0.983	3.06	2.483	10.72	3.983	9.19	5.48	3.06
1.000	3.06	2.500	10.72	4.000	9.19	5.50	3.06
1.017	4.59	2.517	44.41	4.017	7.66	5.52	3.06
1.033	4.59	2.533	44.41	4.033	7.66	5.53	3.06
1.050	4.59	2.550	44.41	4.050	7.66	5.55	3.06
1.067	4.59	2.567	44.41	4.067	7.66	5.57	3.06
1.083	4.59	2.583	44.41	4.083	7.66	5.58	3.06
1.100	4.59	2.600	44.41	4.100	7.66	5.60	3.06
1.117	4.59	2.617	44.41	4.117	7.66	5.62	3.06
1.133	4.59	2.633	44.41	4.133	7.66	5.63	3.06
1.150	4.59	2.650	44.41	4.150	7.66	5.65	3.06
1.167	4.59	2.667	44.41	4.167	7.66	5.67	3.06
1.183	4.59	2.683	44.41	4.183	7.66	5.68	3.06
1.200	4.59	2.700	44.41	4.200	7.66	5.70	3.06
1.217	4.59	2.717	44.41	4.217	7.66	5.72	3.06
1.233	4.59	2.733	44.41	4.233	7.66	5.73	3.06
1.250	4.59	2.750	44.41	4.250	7.66	5.75	3.06
1.267	6.13	2.767	78.10	4.267	6.13	5.77	3.06
1.283	6.13	2.783	78.10	4.283	6.13	5.78	3.06
1.300	6.13	2.800	78.10	4.300	6.13	5.80	3.06
1.317	6.13	2.817	78.10	4.317	6.13	5.82	3.06
1.333	6.13	2.833	78.10	4.333	6.13	5.83	3.06
1.350	6.13	2.850	78.10	4.350	6.13	5.85	3.06
1.367	6.13	2.867	78.10	4.367	6.13	5.87	3.06
1.383	6.13	2.883	78.10	4.383	6.13	5.88	3.06
1.400	6.13	2.900	78.10	4.400	6.13	5.90	3.06
1.417	6.13	2.917	78.10	4.417	6.13	5.92	3.06
1.433	6.13	2.933	78.10	4.433	6.13	5.93	3.06
1.450	6.13	2.950	78.10	4.450	6.13	5.95	3.06
1.467	6.13	2.967	78.10	4.467	6.13	5.97	3.06
1.483	6.13	2.983	78.10	4.483	6.13	5.98	3.06
1.500	6.13	3.000	78.10	4.500	6.13	6.00	3.06

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.437 (i)
TIME TO PEAK (hrs)= 3.583
RUNOFF VOLUME (mm)= 17.515
TOTAL RAINFALL (mm)= 76.187
RUNOFF COEFFICIENT = 0.230

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0204)
ID= 1 DT= 1.0 min

Area (ha)= 0.96
Total Imp(%)= 68.00 Dir. Conn.(%)= 47.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.65	0.31
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.53	1.517	6.13	3.017	49.01	4.52	5.36
0.033	1.53	1.533	6.13	3.033	49.00	4.53	5.36
0.050	1.53	1.550	6.13	3.050	49.00	4.55	5.36
0.067	1.53	1.567	6.13	3.067	49.00	4.57	5.36
0.083	1.53	1.583	6.13	3.083	49.00	4.58	5.36
0.100	1.53	1.600	6.13	3.100	49.00	4.60	5.36
0.117	1.53	1.617	6.13	3.117	49.00	4.62	5.36
0.133	1.53	1.633	6.13	3.133	49.00	4.63	5.36
0.150	1.53	1.650	6.13	3.150	49.00	4.65	5.36
0.167	1.53	1.667	6.13	3.167	49.00	4.67	5.36
0.183	1.53	1.683	6.13	3.183	49.00	4.68	5.36
0.200	1.53	1.700	6.13	3.200	49.00	4.70	5.36
0.217	1.53	1.717	6.13	3.217	49.00	4.72	5.36
0.233	1.53	1.733	6.13	3.233	49.00	4.73	5.36
0.250	1.53	1.750	6.13	3.250	49.00	4.75	5.36
0.267	3.06	1.767	6.13	3.267	19.91	4.77	4.59
0.283	3.06	1.783	6.13	3.283	19.91	4.78	4.59
0.300	3.06	1.800	6.13	3.300	19.91	4.80	4.59
0.317	3.06	1.817	6.13	3.317	19.91	4.82	4.59
0.333	3.06	1.833	6.13	3.333	19.91	4.83	4.59
0.350	3.06	1.850	6.13	3.350	19.91	4.85	4.59
0.367	3.06	1.867	6.13	3.367	19.91	4.87	4.59
0.383	3.06	1.883	6.13	3.383	19.91	4.88	4.59
0.400	3.06	1.900	6.13	3.400	19.91	4.90	4.59
0.417	3.06	1.917	6.13	3.417	19.91	4.92	4.59
0.433	3.06	1.933	6.13	3.433	19.91	4.93	4.59
0.450	3.06	1.950	6.13	3.450	19.91	4.95	4.59
0.467	3.06	1.967	6.13	3.467	19.91	4.97	4.59
0.483	3.06	1.983	6.13	3.483	19.91	4.98	4.59
0.500	3.06	2.000	6.13	3.500	19.91	5.00	4.59
0.517	3.06	2.017	8.42	3.517	14.55	5.02	3.83
0.533	3.06	2.033	8.42	3.533	14.55	5.03	3.83
0.550	3.06	2.050	8.42	3.550	14.55	5.05	3.83
0.567	3.06	2.067	8.42	3.567	14.55	5.07	3.83
0.583	3.06	2.083	8.42	3.583	14.55	5.08	3.83
0.600	3.06	2.100	8.42	3.600	14.55	5.10	3.83
0.617	3.06	2.117	8.42	3.617	14.55	5.12	3.83
0.633	3.06	2.133	8.42	3.633	14.55	5.13	3.83
0.650	3.06	2.150	8.42	3.650	14.55	5.15	3.83
0.667	3.06	2.167	8.42	3.667	14.55	5.17	3.83
0.683	3.06	2.183	8.42	3.683	14.55	5.18	3.83
0.700	3.06	2.200	8.42	3.700	14.55	5.20	3.83
0.717	3.06	2.217	8.42	3.717	14.55	5.22	3.83
0.733	3.06	2.233	8.42	3.733	14.55	5.23	3.83
0.750	3.06	2.250	8.42	3.750	14.55	5.25	3.83
0.767	3.06	2.267	10.72	3.767	9.19	5.27	3.06
0.783	3.06	2.283	10.72	3.783	9.19	5.28	3.06
0.800	3.06	2.300	10.72	3.800	9.19	5.30	3.06
0.817	3.06	2.317	10.72	3.817	9.19	5.32	3.06
0.833	3.06	2.333	10.72	3.833	9.19	5.33	3.06
0.850	3.06	2.350	10.72	3.850	9.19	5.35	3.06
0.867	3.06	2.367	10.72	3.867	9.19	5.37	3.06
0.883	3.06	2.383	10.72	3.883	9.19	5.38	3.06
0.900	3.06	2.400	10.72	3.900	9.19	5.40	3.06
0.917	3.06	2.417	10.72	3.917	9.19	5.42	3.06
0.933	3.06	2.433	10.72	3.933	9.19	5.43	3.06
0.950	3.06	2.450	10.72	3.950	9.19	5.45	3.06
0.967	3.06	2.467	10.72	3.967	9.19	5.47	3.06
0.983	3.06	2.483	10.72	3.983	9.19	5.48	3.06
1.000	3.06	2.500	10.72	4.000	9.19	5.50	3.06
1.017	4.59	2.517	44.41	4.017	7.66	5.52	3.06
1.033	4.59	2.533	44.41	4.033	7.66	5.53	3.06
1.050	4.59	2.550	44.41	4.050	7.66	5.55	3.06
1.067	4.59	2.567	44.41	4.067	7.66	5.57	3.06
1.083	4.59	2.583	44.41	4.083	7.66	5.58	3.06
1.100	4.59	2.600	44.41	4.100	7.66	5.60	3.06

1.117	4.59	2.617	44.41	4.117	7.66	5.62	3.06
1.133	4.59	2.633	44.41	4.133	7.66	5.63	3.06
1.150	4.59	2.650	44.41	4.150	7.66	5.65	3.06
1.167	4.59	2.667	44.41	4.167	7.66	5.67	3.06
1.183	4.59	2.683	44.41	4.183	7.66	5.68	3.06
1.200	4.59	2.700	44.41	4.200	7.66	5.70	3.06
1.217	4.59	2.717	44.41	4.217	7.66	5.72	3.06
1.233	4.59	2.733	44.41	4.233	7.66	5.73	3.06
1.250	4.59	2.750	44.41	4.250	7.66	5.75	3.06
1.267	6.13	2.767	78.10	4.267	6.13	5.77	3.06
1.283	6.13	2.783	78.10	4.283	6.13	5.78	3.06
1.300	6.13	2.800	78.10	4.300	6.13	5.80	3.06
1.317	6.13	2.817	78.10	4.317	6.13	5.82	3.06
1.333	6.13	2.833	78.10	4.333	6.13	5.83	3.06
1.350	6.13	2.850	78.10	4.350	6.13	5.85	3.06
1.367	6.13	2.867	78.10	4.367	6.13	5.87	3.06
1.383	6.13	2.883	78.10	4.383	6.13	5.88	3.06
1.400	6.13	2.900	78.10	4.400	6.13	5.90	3.06
1.417	6.13	2.917	78.10	4.417	6.13	5.92	3.06
1.433	6.13	2.933	78.10	4.433	6.13	5.93	3.06
1.450	6.13	2.950	78.10	4.450	6.13	5.95	3.06
1.467	6.13	2.967	78.10	4.467	6.13	5.97	3.06
1.483	6.13	2.983	78.10	4.483	6.13	5.98	3.06
1.500	6.13	3.000	78.10	4.500	6.13	6.00	3.06

Max.Eff.Inten.(mm/hr)= 78.10 48.09
over (min) 5.00 12.00
Storage Coeff. (min)= 5.09 (ii) 11.77 (ii)
Unit Hyd. Tpeak (min)= 5.00 12.00
Unit Hyd. peak (cms)= 0.22 0.10

TOTALS
PEAK FLOW (cms)= 0.09 0.03 0.118 (iii)
TIME TO PEAK (hrs)= 3.00 3.25 3.02
RUNOFF VOLUME (mm)= 74.19 26.27 48.78
TOTAL RAINFALL (mm)= 76.19 76.19 76.19
RUNOFF COEFFICIENT = 0.97 0.34 0.64

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)	AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0204):	0.96	0.118	3.02	48.78
+ ID2= 2 (0205):	14.50	0.437	3.58	17.51
=====				
ID = 3 (0017):	15.46	0.483	3.53	19.46

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)	AREA	QPEAK	TPEAK	R.V.
3 + 2 = 1	(ha)	(cms)	(hrs)	(mm)
ID1= 3 (0017):	15.46	0.483	3.53	19.46
+ ID2= 2 (0087):	15.86	0.656	3.50	22.55
=====				
ID = 1 (0017):	31.32	1.138	3.52	21.02

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB	Area (ha)=	1.18
STANDHYD (0012)	Total Imp(%)=	22.00
ID= 1 DT= 1.0 min	Dir. Conn.(%)=	22.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	4.60
Average slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.53	1.517	6.13	3.017	49.01	4.52	5.36
0.033	1.53	1.533	6.13	3.033	49.00	4.53	5.36
0.050	1.53	1.550	6.13	3.050	49.00	4.55	5.36
0.067	1.53	1.567	6.13	3.067	49.00	4.57	5.36
0.083	1.53	1.583	6.13	3.083	49.00	4.58	5.36
0.100	1.53	1.600	6.13	3.100	49.00	4.60	5.36
0.117	1.53	1.617	6.13	3.117	49.00	4.62	5.36
0.133	1.53	1.633	6.13	3.133	49.00	4.63	5.36
0.150	1.53	1.650	6.13	3.150	49.00	4.65	5.36
0.167	1.53	1.667	6.13	3.167	49.00	4.67	5.36
0.183	1.53	1.683	6.13	3.183	49.00	4.68	5.36
0.200	1.53	1.700	6.13	3.200	49.00	4.70	5.36
0.217	1.53	1.717	6.13	3.217	49.00	4.72	5.36
0.233	1.53	1.733	6.13	3.233	49.00	4.73	5.36
0.250	1.53	1.750	6.13	3.250	49.00	4.75	5.36
0.267	3.06	1.767	6.13	3.267	19.91	4.77	4.59
0.283	3.06	1.783	6.13	3.283	19.91	4.78	4.59
0.300	3.06	1.800	6.13	3.300	19.91	4.80	4.59
0.317	3.06	1.817	6.13	3.317	19.91	4.82	4.59
0.333	3.06	1.833	6.13	3.333	19.91	4.83	4.59
0.350	3.06	1.850	6.13	3.350	19.91	4.85	4.59
0.367	3.06	1.867	6.13	3.367	19.91	4.87	4.59
0.383	3.06	1.883	6.13	3.383	19.91	4.88	4.59
0.400	3.06	1.900	6.13	3.400	19.91	4.90	4.59
0.417	3.06	1.917	6.13	3.417	19.91	4.92	4.59
0.433	3.06	1.933	6.13	3.433	19.91	4.93	4.59
0.450	3.06	1.950	6.13	3.450	19.91	4.95	4.59
0.467	3.06	1.967	6.13	3.467	19.91	4.97	4.59
0.483	3.06	1.983	6.13	3.483	19.91	4.98	4.59
0.500	3.06	2.000	6.13	3.500	19.91	5.00	4.59
0.517	3.06	2.017	8.42	3.517	14.55	5.02	3.83
0.533	3.06	2.033	8.42	3.533	14.55	5.03	3.83
0.550	3.06	2.050	8.42	3.550	14.55	5.05	3.83
0.567	3.06	2.067	8.42	3.567	14.55	5.07	3.83
0.583	3.06	2.083	8.42	3.583	14.55	5.08	3.83
0.600	3.06	2.100	8.42	3.600	14.55	5.10	3.83
0.617	3.06	2.117	8.42	3.617	14.55	5.12	3.83
0.633	3.06	2.133	8.42	3.633	14.55	5.13	3.83
0.650	3.06	2.150	8.42	3.650	14.55	5.15	3.83
0.667	3.06	2.167	8.42	3.667	14.55	5.17	3.83
0.683	3.06	2.183	8.42	3.683	14.55	5.18	3.83
0.700	3.06	2.200	8.42	3.700	14.55	5.20	3.83
0.717	3.06	2.217	8.42	3.717	14.55	5.22	3.83
0.733	3.06	2.233	8.42	3.733	14.55	5.23	3.83
0.750	3.06	2.250	8.42	3.750	14.55	5.25	3.83
0.767	3.06	2.267	10.72	3.767	9.19	5.27	3.06
0.783	3.06	2.283	10.72	3.783	9.19	5.28	3.06
0.800	3.06	2.300	10.72	3.800	9.19	5.30	3.06
0.817	3.06	2.317	10.72	3.817	9.19	5.32	3.06
0.833	3.06	2.333	10.72	3.833	9.19	5.33	3.06
0.850	3.06	2.350	10.72	3.850	9.19	5.35	3.06
0.867	3.06	2.367	10.72	3.867	9.19	5.37	3.06
0.883	3.06	2.383	10.72	3.883	9.19	5.38	3.06
0.900	3.06	2.400	10.72	3.900	9.19	5.40	3.06
0.917	3.06	2.417	10.72	3.917	9.19	5.42	3.06
0.933	3.06	2.433	10.72	3.933	9.19	5.43	3.06
0.950	3.06	2.450	10.72	3.950	9.19	5.45	3.06
0.967	3.06	2.467	10.72	3.967	9.19	5.47	3.06
0.983	3.06	2.483	10.72	3.983	9.19	5.48	3.06
1.000	3.06	2.500	10.72	4.000	9.19	5.50	3.06
1.017	4.59	2.517	44.41	4.017	7.66	5.52	3.06
1.033	4.59	2.533	44.41	4.033	7.66	5.53	3.06
1.050	4.59	2.550	44.41	4.050	7.66	5.55	3.06
1.067	4.59	2.567	44.41	4.067	7.66	5.57	3.06
1.083	4.59	2.583	44.41	4.083	7.66	5.58	3.06
1.100	4.59	2.600	44.41	4.100	7.66	5.60	3.06
1.117	4.59	2.617	44.41	4.117	7.66	5.62	3.06
1.133	4.59	2.633	44.41	4.133	7.66	5.63	3.06
1.150	4.59	2.650	44.41	4.150	7.66	5.65	3.06
1.167	4.59	2.667	44.41	4.167	7.66	5.67	3.06
1.183	4.59	2.683	44.41	4.183	7.66	5.68	3.06
1.200	4.59	2.700	44.41	4.200	7.66	5.70	3.06
1.217	4.59	2.717	44.41	4.217	7.66	5.72	3.06
1.233	4.59	2.733	44.41	4.233	7.66	5.73	3.06
1.250	4.59	2.750	44.41	4.250	7.66	5.75	3.06
1.267	6.13	2.767	78.10	4.267	6.13	5.77	3.06
1.283	6.13	2.783	78.10	4.283	6.13	5.78	3.06
1.300	6.13	2.800	78.10	4.300	6.13	5.80	3.06
1.317	6.13	2.817	78.10	4.317	6.13	5.82	3.06
1.333	6.13	2.833	78.10	4.333	6.13	5.83	3.06
1.350	6.13	2.850	78.10	4.350	6.13	5.85	3.06

1.367	6.13	2.867	78.10	4.367	6.13	5.87	3.06
1.383	6.13	2.883	78.10	4.383	6.13	5.88	3.06
1.400	6.13	2.900	78.10	4.400	6.13	5.90	3.06
1.417	6.13	2.917	78.10	4.417	6.13	5.92	3.06
1.433	6.13	2.933	78.10	4.433	6.13	5.93	3.06
1.450	6.13	2.950	78.10	4.450	6.13	5.95	3.06
1.467	6.13	2.967	78.10	4.467	6.13	5.97	3.06
1.483	6.13	2.983	78.10	4.483	6.13	5.98	3.06
1.500	6.13	3.000	78.10	4.500	6.13	6.00	3.06

Max.Eff.Inten.(mm/hr)= 78.10 17.64
over (min) 5.00 17.00
Storage Coeff. (min)= 2.63 (ii) 16.75 (ii)
Unit Hyd. Tpeak (min)= 5.00 17.00
Unit Hyd. peak (cms)= 0.33 0.07

TOTALS

PEAK FLOW (cms)= 0.06 0.03 0.075 (iii)
TIME TO PEAK (hrs)= 3.00 3.35 3.02
RUNOFF VOLUME (mm)= 74.19 17.80 30.19
TOTAL RAINFALL (mm)= 76.19 76.19 76.19
RUNOFF COEFFICIENT = 0.97 0.23 0.40

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0203)
ID= 1 DT= 1.0 min

Area (ha)= 17.16
Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.21	9.95
Dep. Storage	(mm)=	2.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	267.45	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.53	1.517	6.13	3.017	49.01	4.52	5.36
0.033	1.53	1.533	6.13	3.033	49.00	4.53	5.36
0.050	1.53	1.550	6.13	3.050	49.00	4.55	5.36
0.067	1.53	1.567	6.13	3.067	49.00	4.57	5.36
0.083	1.53	1.583	6.13	3.083	49.00	4.58	5.36
0.100	1.53	1.600	6.13	3.100	49.00	4.60	5.36
0.117	1.53	1.617	6.13	3.117	49.00	4.62	5.36
0.133	1.53	1.633	6.13	3.133	49.00	4.63	5.36
0.150	1.53	1.650	6.13	3.150	49.00	4.65	5.36
0.167	1.53	1.667	6.13	3.167	49.00	4.67	5.36
0.183	1.53	1.683	6.13	3.183	49.00	4.68	5.36
0.200	1.53	1.700	6.13	3.200	49.00	4.70	5.36
0.217	1.53	1.717	6.13	3.217	49.00	4.72	5.36
0.233	1.53	1.733	6.13	3.233	49.00	4.73	5.36
0.250	1.53	1.750	6.13	3.250	49.00	4.75	5.36
0.267	3.06	1.767	6.13	3.267	19.91	4.77	4.59
0.283	3.06	1.783	6.13	3.283	19.91	4.78	4.59
0.300	3.06	1.800	6.13	3.300	19.91	4.80	4.59
0.317	3.06	1.817	6.13	3.317	19.91	4.82	4.59
0.333	3.06	1.833	6.13	3.333	19.91	4.83	4.59
0.350	3.06	1.850	6.13	3.350	19.91	4.85	4.59
0.367	3.06	1.867	6.13	3.367	19.91	4.87	4.59
0.383	3.06	1.883	6.13	3.383	19.91	4.88	4.59
0.400	3.06	1.900	6.13	3.400	19.91	4.90	4.59
0.417	3.06	1.917	6.13	3.417	19.91	4.92	4.59
0.433	3.06	1.933	6.13	3.433	19.91	4.93	4.59
0.450	3.06	1.950	6.13	3.450	19.91	4.95	4.59
0.467	3.06	1.967	6.13	3.467	19.91	4.97	4.59
0.483	3.06	1.983	6.13	3.483	19.91	4.98	4.59
0.500	3.06	2.000	6.13	3.500	19.91	5.00	4.59
0.517	3.06	2.017	8.42	3.517	14.55	5.02	3.83
0.533	3.06	2.033	8.42	3.533	14.55	5.03	3.83
0.550	3.06	2.050	8.42	3.550	14.55	5.05	3.83
0.567	3.06	2.067	8.42	3.567	14.55	5.07	3.83
0.583	3.06	2.083	8.42	3.583	14.55	5.08	3.83
0.600	3.06	2.100	8.42	3.600	14.55	5.10	3.83

0.617	3.06	2.117	8.42	3.617	14.55	5.12	3.83
0.633	3.06	2.133	8.42	3.633	14.55	5.13	3.83
0.650	3.06	2.150	8.42	3.650	14.55	5.15	3.83
0.667	3.06	2.167	8.42	3.667	14.55	5.17	3.83
0.683	3.06	2.183	8.42	3.683	14.55	5.18	3.83
0.700	3.06	2.200	8.42	3.700	14.55	5.20	3.83
0.717	3.06	2.217	8.42	3.717	14.55	5.22	3.83
0.733	3.06	2.233	8.42	3.733	14.55	5.23	3.83
0.750	3.06	2.250	8.42	3.750	14.55	5.25	3.83
0.767	3.06	2.267	10.72	3.767	9.19	5.27	3.06
0.783	3.06	2.283	10.72	3.783	9.19	5.28	3.06
0.800	3.06	2.300	10.72	3.800	9.19	5.30	3.06
0.817	3.06	2.317	10.72	3.817	9.19	5.32	3.06
0.833	3.06	2.333	10.72	3.833	9.19	5.33	3.06
0.850	3.06	2.350	10.72	3.850	9.19	5.35	3.06
0.867	3.06	2.367	10.72	3.867	9.19	5.37	3.06
0.883	3.06	2.383	10.72	3.883	9.19	5.38	3.06
0.900	3.06	2.400	10.72	3.900	9.19	5.40	3.06
0.917	3.06	2.417	10.72	3.917	9.19	5.42	3.06
0.933	3.06	2.433	10.72	3.933	9.19	5.43	3.06
0.950	3.06	2.450	10.72	3.950	9.19	5.45	3.06
0.967	3.06	2.467	10.72	3.967	9.19	5.47	3.06
0.983	3.06	2.483	10.72	3.983	9.19	5.48	3.06
1.000	3.06	2.500	10.72	4.000	9.19	5.50	3.06
1.017	4.59	2.517	44.41	4.017	7.66	5.52	3.06
1.033	4.59	2.533	44.41	4.033	7.66	5.53	3.06
1.050	4.59	2.550	44.41	4.050	7.66	5.55	3.06
1.067	4.59	2.567	44.41	4.067	7.66	5.57	3.06
1.083	4.59	2.583	44.41	4.083	7.66	5.58	3.06
1.100	4.59	2.600	44.41	4.100	7.66	5.60	3.06
1.117	4.59	2.617	44.41	4.117	7.66	5.62	3.06
1.133	4.59	2.633	44.41	4.133	7.66	5.63	3.06
1.150	4.59	2.650	44.41	4.150	7.66	5.65	3.06
1.167	4.59	2.667	44.41	4.167	7.66	5.67	3.06
1.183	4.59	2.683	44.41	4.183	7.66	5.68	3.06
1.200	4.59	2.700	44.41	4.200	7.66	5.70	3.06
1.217	4.59	2.717	44.41	4.217	7.66	5.72	3.06
1.233	4.59	2.733	44.41	4.233	7.66	5.73	3.06
1.250	4.59	2.750	44.41	4.250	7.66	5.75	3.06
1.267	6.13	2.767	78.10	4.267	6.13	5.77	3.06
1.283	6.13	2.783	78.10	4.283	6.13	5.78	3.06
1.300	6.13	2.800	78.10	4.300	6.13	5.80	3.06
1.317	6.13	2.817	78.10	4.317	6.13	5.82	3.06
1.333	6.13	2.833	78.10	4.333	6.13	5.83	3.06
1.350	6.13	2.850	78.10	4.350	6.13	5.85	3.06
1.367	6.13	2.867	78.10	4.367	6.13	5.87	3.06
1.383	6.13	2.883	78.10	4.383	6.13	5.88	3.06
1.400	6.13	2.900	78.10	4.400	6.13	5.90	3.06
1.417	6.13	2.917	78.10	4.417	6.13	5.92	3.06
1.433	6.13	2.933	78.10	4.433	6.13	5.93	3.06
1.450	6.13	2.950	78.10	4.450	6.13	5.95	3.06
1.467	6.13	2.967	78.10	4.467	6.13	5.97	3.06
1.483	6.13	2.983	78.10	4.483	6.13	5.98	3.06
1.500	6.13	3.000	78.10	4.500	6.13	6.00	3.06

Max.Eff.Inten.(mm/hr)= 78.10 25.78
over (min) 5.00 18.00
Storage Coeff. (min)= 5.09 (ii) 17.23 (ii)
Unit Hyd. Tpeak (min)= 5.00 18.00
Unit Hyd. peak (cms)= 0.22 0.06

TOTALS
PEAK FLOW (cms)= 1.07 0.51 1.357 (iii)
TIME TO PEAK (hrs)= 3.00 3.35 3.03
RUNOFF VOLUME (mm)= 74.18 20.65 36.71
TOTAL RAINFALL (mm)= 76.19 76.19 76.19
RUNOFF COEFFICIENT = 0.97 0.27 0.48

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)				
1 + 2 = 3				
ID1= 1 (0012):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
+ ID2= 2 (0203):	17.16	1.357	3.03	36.71
ID = 3 (0082):	18.34	1.432	3.03	36.29

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

```
-----
| RESERVOIR( 0002) |
| IN= 2---> OUT= 1 |
| DT= 5.0 min      |
|-----|
| OUTFLOW          | STORAGE          | OUTFLOW          | STORAGE          |
| (cms)            | (ha.m.)          | (cms)            | (ha.m.)          |
| 0.0000           | 0.0000           | 0.0940           | 0.3600           |
| 0.0120           | 0.2100           | 0.1210           | 0.4000           |
| 0.0550           | 0.2600           | 0.1500           | 0.4500           |
| 0.0620           | 0.3000           | 0.3000           | 0.7210           |
|-----|
| AREA             | QPEAK            | TPEAK            | R.V.             |
| (ha)             | (cms)            | (hrs)            | (mm)             |
| INFLOW : ID= 2 ( 0082) 18.340 1.432 3.03 36.29 |
| OUTFLOW: ID= 1 ( 0002) 18.340 0.181 4.87 27.96 |
|-----|
| PEAK FLOW REDUCTION [Qout/Qin](%)= 12.65 |
| TIME SHIFT OF PEAK FLOW (min)=110.00 |
| MAXIMUM STORAGE USED (ha.m.)= 0.5062 |
|-----|
```

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

```
-----
| ADD HYD ( 0089) |
| 1 + 2 = 3       |
|-----|
| ID1= 1 ( 0017): 31.32 1.138 3.52 21.02 |
| + ID2= 2 ( 0002): 18.34 0.181 4.87 27.96 |
|=====|
| ID = 3 ( 0089): 49.66 1.261 3.53 23.58 |
|=====|
```

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

```
*****
** SIMULATION:3.1 SCS II 12hr 2yr **
*****
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```
-----
| CALIB |
| NASHYD ( 0087) |
| ID= 1 DT= 1.0 min |
|-----|
| Area (ha)= 15.86 | Curve Number (CN)= 62.0 |
| Ia (mm)= 4.60 | # of Linear Res.(N)= 3.00 |
| U.H. Tp(hrs)= 0.40 |
|-----|
```

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

```
----- TRANSFORMED HYETOGRAPH -----
| TIME RAIN | TIME RAIN | TIME RAIN | TIME RAIN |
| hrs mm/hr | hrs mm/hr | hrs mm/hr | hrs mm/hr |
| 0.017 0.45 | 3.017 1.81 | 6.017 24.46 | 9.02 1.81 |
| 0.033 0.45 | 3.033 1.81 | 6.033 24.46 | 9.03 1.81 |
| 0.050 0.45 | 3.050 1.81 | 6.050 24.46 | 9.05 1.81 |
| 0.067 0.45 | 3.067 1.81 | 6.067 24.46 | 9.07 1.81 |
| 0.083 0.45 | 3.083 1.81 | 6.083 24.46 | 9.08 1.81 |
| 0.100 0.45 | 3.100 1.81 | 6.100 24.46 | 9.10 1.81 |
| 0.117 0.45 | 3.117 1.81 | 6.117 24.46 | 9.12 1.81 |
| 0.133 0.45 | 3.133 1.81 | 6.133 24.46 | 9.13 1.81 |
| 0.150 0.45 | 3.150 1.81 | 6.150 24.46 | 9.15 1.81 |
| 0.167 0.45 | 3.167 1.81 | 6.167 24.46 | 9.17 1.81 |
| 0.183 0.45 | 3.183 1.81 | 6.183 24.46 | 9.18 1.81 |
| 0.200 0.45 | 3.200 1.81 | 6.200 24.46 | 9.20 1.81 |
| 0.217 0.45 | 3.217 1.81 | 6.217 24.46 | 9.22 1.81 |
| 0.233 0.45 | 3.233 1.81 | 6.233 24.46 | 9.23 1.81 |
| 0.250 0.45 | 3.250 1.81 | 6.250 24.44 | 9.25 1.81 |
| 0.267 0.91 | 3.267 1.81 | 6.267 8.15 | 9.27 1.81 |
| 0.283 0.91 | 3.283 1.81 | 6.283 8.15 | 9.28 1.81 |
| 0.300 0.91 | 3.300 1.81 | 6.300 8.15 | 9.30 1.81 |
| 0.317 0.91 | 3.317 1.81 | 6.317 8.15 | 9.32 1.81 |
| 0.333 0.91 | 3.333 1.81 | 6.333 8.15 | 9.33 1.81 |
| 0.350 0.91 | 3.350 1.81 | 6.350 8.15 | 9.35 1.81 |
| 0.367 0.91 | 3.367 1.81 | 6.367 8.15 | 9.37 1.81 |
| 0.383 0.91 | 3.383 1.81 | 6.383 8.15 | 9.38 1.81 |
| 0.400 0.91 | 3.400 1.81 | 6.400 8.15 | 9.40 1.81 |
| 0.417 0.91 | 3.417 1.81 | 6.417 8.15 | 9.42 1.81 |
| 0.433 0.91 | 3.433 1.81 | 6.433 8.15 | 9.43 1.81 |
| 0.450 0.91 | 3.450 1.81 | 6.450 8.15 | 9.45 1.81 |
| 0.467 0.91 | 3.467 1.81 | 6.467 8.15 | 9.47 1.81 |
| 0.483 0.91 | 3.483 1.81 | 6.483 8.15 | 9.48 1.81 |
| 0.500 0.91 | 3.500 1.81 | 6.500 8.15 | 9.50 1.81 |
| 0.517 0.91 | 3.517 1.81 | 6.517 5.89 | 9.52 1.36 |
| 0.533 0.91 | 3.533 1.81 | 6.533 5.89 | 9.53 1.36 |
| 0.550 0.91 | 3.550 1.81 | 6.550 5.89 | 9.55 1.36 |
```

0.567	0.91	3.567	1.81	6.567	5.89	9.57	1.36
0.583	0.91	3.583	1.81	6.583	5.89	9.58	1.36
0.600	0.91	3.600	1.81	6.600	5.89	9.60	1.36
0.617	0.91	3.617	1.81	6.617	5.89	9.62	1.36
0.633	0.91	3.633	1.81	6.633	5.89	9.63	1.36
0.650	0.91	3.650	1.81	6.650	5.89	9.65	1.36
0.667	0.91	3.667	1.81	6.667	5.89	9.67	1.36
0.683	0.91	3.683	1.81	6.683	5.89	9.68	1.36
0.700	0.91	3.700	1.81	6.700	5.89	9.70	1.36
0.717	0.91	3.717	1.81	6.717	5.89	9.72	1.36
0.733	0.91	3.733	1.81	6.733	5.89	9.73	1.36
0.750	0.91	3.750	1.81	6.750	5.88	9.75	1.36
0.767	0.91	3.767	1.81	6.767	3.62	9.77	0.91
0.783	0.91	3.783	1.81	6.783	3.62	9.78	0.91
0.800	0.91	3.800	1.81	6.800	3.62	9.80	0.91
0.817	0.91	3.817	1.81	6.817	3.62	9.82	0.91
0.833	0.91	3.833	1.81	6.833	3.62	9.83	0.91
0.850	0.91	3.850	1.81	6.850	3.62	9.85	0.91
0.867	0.91	3.867	1.81	6.867	3.62	9.87	0.91
0.883	0.91	3.883	1.81	6.883	3.62	9.88	0.91
0.900	0.91	3.900	1.81	6.900	3.62	9.90	0.91
0.917	0.91	3.917	1.81	6.917	3.62	9.92	0.91
0.933	0.91	3.933	1.81	6.933	3.62	9.93	0.91
0.950	0.91	3.950	1.81	6.950	3.62	9.95	0.91
0.967	0.91	3.967	1.81	6.967	3.62	9.97	0.91
0.983	0.91	3.983	1.81	6.983	3.62	9.98	0.91
1.000	0.91	4.000	1.81	7.000	3.62	10.00	0.91
1.017	0.91	4.017	2.26	7.017	3.17	10.02	0.91
1.033	0.91	4.033	2.26	7.033	3.17	10.03	0.91
1.050	0.91	4.050	2.26	7.050	3.17	10.05	0.91
1.067	0.91	4.067	2.26	7.067	3.17	10.07	0.91
1.083	0.91	4.083	2.26	7.083	3.17	10.08	0.91
1.100	0.91	4.100	2.26	7.100	3.17	10.10	0.91
1.117	0.91	4.117	2.26	7.117	3.17	10.12	0.91
1.133	0.91	4.133	2.26	7.133	3.17	10.13	0.91
1.150	0.91	4.150	2.26	7.150	3.17	10.15	0.91
1.167	0.91	4.167	2.26	7.167	3.17	10.17	0.91
1.183	0.91	4.183	2.26	7.183	3.17	10.18	0.91
1.200	0.91	4.200	2.26	7.200	3.17	10.20	0.91
1.217	0.91	4.217	2.26	7.217	3.17	10.22	0.91
1.233	0.91	4.233	2.26	7.233	3.17	10.23	0.91
1.250	0.91	4.250	2.26	7.250	3.17	10.25	0.91
1.267	0.91	4.267	2.72	7.267	2.72	10.27	0.91
1.283	0.91	4.283	2.72	7.283	2.72	10.28	0.91
1.300	0.91	4.300	2.72	7.300	2.72	10.30	0.91
1.317	0.91	4.317	2.72	7.317	2.72	10.32	0.91
1.333	0.91	4.333	2.72	7.333	2.72	10.33	0.91
1.350	0.91	4.350	2.72	7.350	2.72	10.35	0.91
1.367	0.91	4.367	2.72	7.367	2.72	10.37	0.91
1.383	0.91	4.383	2.72	7.383	2.72	10.38	0.91
1.400	0.91	4.400	2.72	7.400	2.72	10.40	0.91
1.417	0.91	4.417	2.72	7.417	2.72	10.42	0.91
1.433	0.91	4.433	2.72	7.433	2.72	10.43	0.91
1.450	0.91	4.450	2.72	7.450	2.72	10.45	0.91
1.467	0.91	4.467	2.72	7.467	2.72	10.47	0.91
1.483	0.91	4.483	2.72	7.483	2.72	10.48	0.91
1.500	0.91	4.500	2.72	7.500	2.72	10.50	0.91
1.517	0.91	4.517	3.17	7.517	2.72	10.52	0.91
1.533	0.91	4.533	3.17	7.533	2.72	10.53	0.91
1.550	0.91	4.550	3.17	7.550	2.72	10.55	0.91
1.567	0.91	4.567	3.17	7.567	2.72	10.57	0.91
1.583	0.91	4.583	3.17	7.583	2.72	10.58	0.91
1.600	0.91	4.600	3.17	7.600	2.72	10.60	0.91
1.617	0.91	4.617	3.17	7.617	2.72	10.62	0.91
1.633	0.91	4.633	3.17	7.633	2.72	10.63	0.91
1.650	0.91	4.650	3.17	7.650	2.72	10.65	0.91
1.667	0.91	4.667	3.17	7.667	2.72	10.67	0.91
1.683	0.91	4.683	3.17	7.683	2.72	10.68	0.91
1.700	0.91	4.700	3.17	7.700	2.72	10.70	0.91
1.717	0.91	4.717	3.17	7.717	2.72	10.72	0.91
1.733	0.91	4.733	3.17	7.733	2.72	10.73	0.91
1.750	0.91	4.750	3.17	7.750	2.72	10.75	0.91
1.767	0.91	4.767	3.62	7.767	2.72	10.77	0.91
1.783	0.91	4.783	3.62	7.783	2.72	10.78	0.91
1.800	0.91	4.800	3.62	7.800	2.72	10.80	0.91
1.817	0.91	4.817	3.62	7.817	2.72	10.82	0.91
1.833	0.91	4.833	3.62	7.833	2.72	10.83	0.91
1.850	0.91	4.850	3.62	7.850	2.72	10.85	0.91
1.867	0.91	4.867	3.62	7.867	2.72	10.87	0.91
1.883	0.91	4.883	3.62	7.883	2.72	10.88	0.91
1.900	0.91	4.900	3.62	7.900	2.72	10.90	0.91
1.917	0.91	4.917	3.62	7.917	2.72	10.92	0.91
1.933	0.91	4.933	3.62	7.933	2.72	10.93	0.91
1.950	0.91	4.950	3.62	7.950	2.72	10.95	0.91

1.967	0.91	4.967	3.62	7.967	2.72	10.97	0.91
1.983	0.91	4.983	3.62	7.983	2.72	10.98	0.91
2.000	0.91	5.000	3.62	8.000	2.72	11.00	0.91
2.017	1.36	5.017	4.53	8.017	2.27	11.02	0.91
2.033	1.36	5.033	4.53	8.033	2.27	11.03	0.91
2.050	1.36	5.050	4.53	8.050	2.27	11.05	0.91
2.067	1.36	5.067	4.53	8.067	2.27	11.07	0.91
2.083	1.36	5.083	4.53	8.083	2.27	11.08	0.91
2.100	1.36	5.100	4.53	8.100	2.27	11.10	0.91
2.117	1.36	5.117	4.53	8.117	2.27	11.12	0.91
2.133	1.36	5.133	4.53	8.133	2.27	11.13	0.91
2.150	1.36	5.150	4.53	8.150	2.27	11.15	0.91
2.167	1.36	5.167	4.53	8.167	2.27	11.17	0.91
2.183	1.36	5.183	4.53	8.183	2.27	11.18	0.91
2.200	1.36	5.200	4.53	8.200	2.27	11.20	0.91
2.217	1.36	5.217	4.53	8.217	2.27	11.22	0.91
2.233	1.36	5.233	4.53	8.233	2.27	11.23	0.91
2.250	1.36	5.250	4.53	8.250	2.26	11.25	0.91
2.267	1.81	5.267	5.44	8.267	1.81	11.27	0.91
2.283	1.81	5.283	5.44	8.283	1.81	11.28	0.91
2.300	1.81	5.300	5.44	8.300	1.81	11.30	0.91
2.317	1.81	5.317	5.44	8.317	1.81	11.32	0.91
2.333	1.81	5.333	5.44	8.333	1.81	11.33	0.91
2.350	1.81	5.350	5.44	8.350	1.81	11.35	0.91
2.367	1.81	5.367	5.44	8.367	1.81	11.37	0.91
2.383	1.81	5.383	5.44	8.383	1.81	11.38	0.91
2.400	1.81	5.400	5.44	8.400	1.81	11.40	0.91
2.417	1.81	5.417	5.44	8.417	1.81	11.42	0.91
2.433	1.81	5.433	5.44	8.433	1.81	11.43	0.91
2.450	1.81	5.450	5.44	8.450	1.81	11.45	0.91
2.467	1.81	5.467	5.44	8.467	1.81	11.47	0.91
2.483	1.81	5.483	5.44	8.483	1.81	11.48	0.91
2.500	1.81	5.500	5.45	8.500	1.81	11.50	0.91
2.517	1.81	5.517	23.10	8.517	1.81	11.52	0.91
2.533	1.81	5.533	23.10	8.533	1.81	11.53	0.91
2.550	1.81	5.550	23.10	8.550	1.81	11.55	0.91
2.567	1.81	5.567	23.10	8.567	1.81	11.57	0.91
2.583	1.81	5.583	23.10	8.583	1.81	11.58	0.91
2.600	1.81	5.600	23.10	8.600	1.81	11.60	0.91
2.617	1.81	5.617	23.10	8.617	1.81	11.62	0.91
2.633	1.81	5.633	23.10	8.633	1.81	11.63	0.91
2.650	1.81	5.650	23.10	8.650	1.81	11.65	0.91
2.667	1.81	5.667	23.10	8.667	1.81	11.67	0.91
2.683	1.81	5.683	23.10	8.683	1.81	11.68	0.91
2.700	1.81	5.700	23.10	8.700	1.81	11.70	0.91
2.717	1.81	5.717	23.10	8.717	1.81	11.72	0.91
2.733	1.81	5.733	23.10	8.733	1.81	11.73	0.91
2.750	1.81	5.750	23.12	8.750	1.81	11.75	0.91
2.767	1.81	5.767	40.77	8.767	1.81	11.77	0.91
2.783	1.81	5.783	40.77	8.783	1.81	11.78	0.91
2.800	1.81	5.800	40.77	8.800	1.81	11.80	0.91
2.817	1.81	5.817	40.77	8.817	1.81	11.82	0.91
2.833	1.81	5.833	40.77	8.833	1.81	11.83	0.91
2.850	1.81	5.850	40.77	8.850	1.81	11.85	0.91
2.867	1.81	5.867	40.77	8.867	1.81	11.87	0.91
2.883	1.81	5.883	40.77	8.883	1.81	11.88	0.91
2.900	1.81	5.900	40.77	8.900	1.81	11.90	0.91
2.917	1.81	5.917	40.77	8.917	1.81	11.92	0.91
2.933	1.81	5.933	40.77	8.933	1.81	11.93	0.91
2.950	1.81	5.950	40.77	8.950	1.81	11.95	0.91
2.967	1.81	5.967	40.77	8.967	1.81	11.97	0.91
2.983	1.81	5.983	40.77	8.983	1.81	11.98	0.91
3.000	1.81	6.000	40.75	9.000	1.81	12.00	0.91

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.213 (i)
TIME TO PEAK (hrs)= 6.467
RUNOFF VOLUME (mm)= 8.393
TOTAL RAINFALL (mm)= 45.186
RUNOFF COEFFICIENT = 0.186

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)=	14.50	Curve Number (CN)= 58.0
ID= 1 DT= 1.0 min	Ia (mm)=	10.00	# of Linear Res.(N)= 3.00
	U.H. Tp(hrs)=	0.44	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.45	3.017	1.81	6.017	24.46	9.02	1.81
0.033	0.45	3.033	1.81	6.033	24.46	9.03	1.81
0.050	0.45	3.050	1.81	6.050	24.46	9.05	1.81
0.067	0.45	3.067	1.81	6.067	24.46	9.07	1.81
0.083	0.45	3.083	1.81	6.083	24.46	9.08	1.81
0.100	0.45	3.100	1.81	6.100	24.46	9.10	1.81
0.117	0.45	3.117	1.81	6.117	24.46	9.12	1.81
0.133	0.45	3.133	1.81	6.133	24.46	9.13	1.81
0.150	0.45	3.150	1.81	6.150	24.46	9.15	1.81
0.167	0.45	3.167	1.81	6.167	24.46	9.17	1.81
0.183	0.45	3.183	1.81	6.183	24.46	9.18	1.81
0.200	0.45	3.200	1.81	6.200	24.46	9.20	1.81
0.217	0.45	3.217	1.81	6.217	24.46	9.22	1.81
0.233	0.45	3.233	1.81	6.233	24.46	9.23	1.81
0.250	0.45	3.250	1.81	6.250	24.44	9.25	1.81
0.267	0.91	3.267	1.81	6.267	8.15	9.27	1.81
0.283	0.91	3.283	1.81	6.283	8.15	9.28	1.81
0.300	0.91	3.300	1.81	6.300	8.15	9.30	1.81
0.317	0.91	3.317	1.81	6.317	8.15	9.32	1.81
0.333	0.91	3.333	1.81	6.333	8.15	9.33	1.81
0.350	0.91	3.350	1.81	6.350	8.15	9.35	1.81
0.367	0.91	3.367	1.81	6.367	8.15	9.37	1.81
0.383	0.91	3.383	1.81	6.383	8.15	9.38	1.81
0.400	0.91	3.400	1.81	6.400	8.15	9.40	1.81
0.417	0.91	3.417	1.81	6.417	8.15	9.42	1.81
0.433	0.91	3.433	1.81	6.433	8.15	9.43	1.81
0.450	0.91	3.450	1.81	6.450	8.15	9.45	1.81
0.467	0.91	3.467	1.81	6.467	8.15	9.47	1.81
0.483	0.91	3.483	1.81	6.483	8.15	9.48	1.81
0.500	0.91	3.500	1.81	6.500	8.15	9.50	1.81
0.517	0.91	3.517	1.81	6.517	5.89	9.52	1.36
0.533	0.91	3.533	1.81	6.533	5.89	9.53	1.36
0.550	0.91	3.550	1.81	6.550	5.89	9.55	1.36
0.567	0.91	3.567	1.81	6.567	5.89	9.57	1.36
0.583	0.91	3.583	1.81	6.583	5.89	9.58	1.36
0.600	0.91	3.600	1.81	6.600	5.89	9.60	1.36
0.617	0.91	3.617	1.81	6.617	5.89	9.62	1.36
0.633	0.91	3.633	1.81	6.633	5.89	9.63	1.36
0.650	0.91	3.650	1.81	6.650	5.89	9.65	1.36
0.667	0.91	3.667	1.81	6.667	5.89	9.67	1.36
0.683	0.91	3.683	1.81	6.683	5.89	9.68	1.36
0.700	0.91	3.700	1.81	6.700	5.89	9.70	1.36
0.717	0.91	3.717	1.81	6.717	5.89	9.72	1.36
0.733	0.91	3.733	1.81	6.733	5.89	9.73	1.36
0.750	0.91	3.750	1.81	6.750	5.88	9.75	1.36
0.767	0.91	3.767	1.81	6.767	3.62	9.77	0.91
0.783	0.91	3.783	1.81	6.783	3.62	9.78	0.91
0.800	0.91	3.800	1.81	6.800	3.62	9.80	0.91
0.817	0.91	3.817	1.81	6.817	3.62	9.82	0.91
0.833	0.91	3.833	1.81	6.833	3.62	9.83	0.91
0.850	0.91	3.850	1.81	6.850	3.62	9.85	0.91
0.867	0.91	3.867	1.81	6.867	3.62	9.87	0.91
0.883	0.91	3.883	1.81	6.883	3.62	9.88	0.91
0.900	0.91	3.900	1.81	6.900	3.62	9.90	0.91
0.917	0.91	3.917	1.81	6.917	3.62	9.92	0.91
0.933	0.91	3.933	1.81	6.933	3.62	9.93	0.91
0.950	0.91	3.950	1.81	6.950	3.62	9.95	0.91
0.967	0.91	3.967	1.81	6.967	3.62	9.97	0.91
0.983	0.91	3.983	1.81	6.983	3.62	9.98	0.91
1.000	0.91	4.000	1.81	7.000	3.62	10.00	0.91
1.017	0.91	4.017	2.26	7.017	3.17	10.02	0.91
1.033	0.91	4.033	2.26	7.033	3.17	10.03	0.91
1.050	0.91	4.050	2.26	7.050	3.17	10.05	0.91
1.067	0.91	4.067	2.26	7.067	3.17	10.07	0.91
1.083	0.91	4.083	2.26	7.083	3.17	10.08	0.91
1.100	0.91	4.100	2.26	7.100	3.17	10.10	0.91
1.117	0.91	4.117	2.26	7.117	3.17	10.12	0.91
1.133	0.91	4.133	2.26	7.133	3.17	10.13	0.91
1.150	0.91	4.150	2.26	7.150	3.17	10.15	0.91
1.167	0.91	4.167	2.26	7.167	3.17	10.17	0.91
1.183	0.91	4.183	2.26	7.183	3.17	10.18	0.91
1.200	0.91	4.200	2.26	7.200	3.17	10.20	0.91
1.217	0.91	4.217	2.26	7.217	3.17	10.22	0.91
1.233	0.91	4.233	2.26	7.233	3.17	10.23	0.91
1.250	0.91	4.250	2.26	7.250	3.17	10.25	0.91
1.267	0.91	4.267	2.72	7.267	2.72	10.27	0.91
1.283	0.91	4.283	2.72	7.283	2.72	10.28	0.91
1.300	0.91	4.300	2.72	7.300	2.72	10.30	0.91
1.317	0.91	4.317	2.72	7.317	2.72	10.32	0.91
1.333	0.91	4.333	2.72	7.333	2.72	10.33	0.91
1.350	0.91	4.350	2.72	7.350	2.72	10.35	0.91

1.367	0.91	4.367	2.72	7.367	2.72	10.37	0.91
1.383	0.91	4.383	2.72	7.383	2.72	10.38	0.91
1.400	0.91	4.400	2.72	7.400	2.72	10.40	0.91
1.417	0.91	4.417	2.72	7.417	2.72	10.42	0.91
1.433	0.91	4.433	2.72	7.433	2.72	10.43	0.91
1.450	0.91	4.450	2.72	7.450	2.72	10.45	0.91
1.467	0.91	4.467	2.72	7.467	2.72	10.47	0.91
1.483	0.91	4.483	2.72	7.483	2.72	10.48	0.91
1.500	0.91	4.500	2.72	7.500	2.72	10.50	0.91
1.517	0.91	4.517	3.17	7.517	2.72	10.52	0.91
1.533	0.91	4.533	3.17	7.533	2.72	10.53	0.91
1.550	0.91	4.550	3.17	7.550	2.72	10.55	0.91
1.567	0.91	4.567	3.17	7.567	2.72	10.57	0.91
1.583	0.91	4.583	3.17	7.583	2.72	10.58	0.91
1.600	0.91	4.600	3.17	7.600	2.72	10.60	0.91
1.617	0.91	4.617	3.17	7.617	2.72	10.62	0.91
1.633	0.91	4.633	3.17	7.633	2.72	10.63	0.91
1.650	0.91	4.650	3.17	7.650	2.72	10.65	0.91
1.667	0.91	4.667	3.17	7.667	2.72	10.67	0.91
1.683	0.91	4.683	3.17	7.683	2.72	10.68	0.91
1.700	0.91	4.700	3.17	7.700	2.72	10.70	0.91
1.717	0.91	4.717	3.17	7.717	2.72	10.72	0.91
1.733	0.91	4.733	3.17	7.733	2.72	10.73	0.91
1.750	0.91	4.750	3.17	7.750	2.72	10.75	0.91
1.767	0.91	4.767	3.62	7.767	2.72	10.77	0.91
1.783	0.91	4.783	3.62	7.783	2.72	10.78	0.91
1.800	0.91	4.800	3.62	7.800	2.72	10.80	0.91
1.817	0.91	4.817	3.62	7.817	2.72	10.82	0.91
1.833	0.91	4.833	3.62	7.833	2.72	10.83	0.91
1.850	0.91	4.850	3.62	7.850	2.72	10.85	0.91
1.867	0.91	4.867	3.62	7.867	2.72	10.87	0.91
1.883	0.91	4.883	3.62	7.883	2.72	10.88	0.91
1.900	0.91	4.900	3.62	7.900	2.72	10.90	0.91
1.917	0.91	4.917	3.62	7.917	2.72	10.92	0.91
1.933	0.91	4.933	3.62	7.933	2.72	10.93	0.91
1.950	0.91	4.950	3.62	7.950	2.72	10.95	0.91
1.967	0.91	4.967	3.62	7.967	2.72	10.97	0.91
1.983	0.91	4.983	3.62	7.983	2.72	10.98	0.91
2.000	0.91	5.000	3.62	8.000	2.72	11.00	0.91
2.017	1.36	5.017	4.53	8.017	2.27	11.02	0.91
2.033	1.36	5.033	4.53	8.033	2.27	11.03	0.91
2.050	1.36	5.050	4.53	8.050	2.27	11.05	0.91
2.067	1.36	5.067	4.53	8.067	2.27	11.07	0.91
2.083	1.36	5.083	4.53	8.083	2.27	11.08	0.91
2.100	1.36	5.100	4.53	8.100	2.27	11.10	0.91
2.117	1.36	5.117	4.53	8.117	2.27	11.12	0.91
2.133	1.36	5.133	4.53	8.133	2.27	11.13	0.91
2.150	1.36	5.150	4.53	8.150	2.27	11.15	0.91
2.167	1.36	5.167	4.53	8.167	2.27	11.17	0.91
2.183	1.36	5.183	4.53	8.183	2.27	11.18	0.91
2.200	1.36	5.200	4.53	8.200	2.27	11.20	0.91
2.217	1.36	5.217	4.53	8.217	2.27	11.22	0.91
2.233	1.36	5.233	4.53	8.233	2.27	11.23	0.91
2.250	1.36	5.250	4.53	8.250	2.26	11.25	0.91
2.267	1.81	5.267	5.44	8.267	1.81	11.27	0.91
2.283	1.81	5.283	5.44	8.283	1.81	11.28	0.91
2.300	1.81	5.300	5.44	8.300	1.81	11.30	0.91
2.317	1.81	5.317	5.44	8.317	1.81	11.32	0.91
2.333	1.81	5.333	5.44	8.333	1.81	11.33	0.91
2.350	1.81	5.350	5.44	8.350	1.81	11.35	0.91
2.367	1.81	5.367	5.44	8.367	1.81	11.37	0.91
2.383	1.81	5.383	5.44	8.383	1.81	11.38	0.91
2.400	1.81	5.400	5.44	8.400	1.81	11.40	0.91
2.417	1.81	5.417	5.44	8.417	1.81	11.42	0.91
2.433	1.81	5.433	5.44	8.433	1.81	11.43	0.91
2.450	1.81	5.450	5.44	8.450	1.81	11.45	0.91
2.467	1.81	5.467	5.44	8.467	1.81	11.47	0.91
2.483	1.81	5.483	5.44	8.483	1.81	11.48	0.91
2.500	1.81	5.500	5.45	8.500	1.81	11.50	0.91
2.517	1.81	5.517	23.10	8.517	1.81	11.52	0.91
2.533	1.81	5.533	23.10	8.533	1.81	11.53	0.91
2.550	1.81	5.550	23.10	8.550	1.81	11.55	0.91
2.567	1.81	5.567	23.10	8.567	1.81	11.57	0.91
2.583	1.81	5.583	23.10	8.583	1.81	11.58	0.91
2.600	1.81	5.600	23.10	8.600	1.81	11.60	0.91
2.617	1.81	5.617	23.10	8.617	1.81	11.62	0.91
2.633	1.81	5.633	23.10	8.633	1.81	11.63	0.91
2.650	1.81	5.650	23.10	8.650	1.81	11.65	0.91
2.667	1.81	5.667	23.10	8.667	1.81	11.67	0.91
2.683	1.81	5.683	23.10	8.683	1.81	11.68	0.91
2.700	1.81	5.700	23.10	8.700	1.81	11.70	0.91
2.717	1.81	5.717	23.10	8.717	1.81	11.72	0.91
2.733	1.81	5.733	23.10	8.733	1.81	11.73	0.91
2.750	1.81	5.750	23.12	8.750	1.81	11.75	0.91

2.767	1.81	5.767	40.77	8.767	1.81	11.77	0.91
2.783	1.81	5.783	40.77	8.783	1.81	11.78	0.91
2.800	1.81	5.800	40.77	8.800	1.81	11.80	0.91
2.817	1.81	5.817	40.77	8.817	1.81	11.82	0.91
2.833	1.81	5.833	40.77	8.833	1.81	11.83	0.91
2.850	1.81	5.850	40.77	8.850	1.81	11.85	0.91
2.867	1.81	5.867	40.77	8.867	1.81	11.87	0.91
2.883	1.81	5.883	40.77	8.883	1.81	11.88	0.91
2.900	1.81	5.900	40.77	8.900	1.81	11.90	0.91
2.917	1.81	5.917	40.77	8.917	1.81	11.92	0.91
2.933	1.81	5.933	40.77	8.933	1.81	11.93	0.91
2.950	1.81	5.950	40.77	8.950	1.81	11.95	0.91
2.967	1.81	5.967	40.77	8.967	1.81	11.97	0.91
2.983	1.81	5.983	40.77	8.983	1.81	11.98	0.91
3.000	1.81	6.000	40.75	9.000	1.81	12.00	0.91

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.118 (i)
 TIME TO PEAK (hrs)= 6.567
 RUNOFF VOLUME (mm)= 5.650
 TOTAL RAINFALL (mm)= 45.186
 RUNOFF COEFFICIENT = 0.125

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
 STANDHYD (0204)
 ID= 1 DT= 1.0 min

Area (ha)= 0.96
 Total Imp(%)= 68.00 Dir. Conn.(%)= 47.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.65	0.31
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.45	3.017	1.81	6.017	24.46	9.02	1.81
0.033	0.45	3.033	1.81	6.033	24.46	9.03	1.81
0.050	0.45	3.050	1.81	6.050	24.46	9.05	1.81
0.067	0.45	3.067	1.81	6.067	24.46	9.07	1.81
0.083	0.45	3.083	1.81	6.083	24.46	9.08	1.81
0.100	0.45	3.100	1.81	6.100	24.46	9.10	1.81
0.117	0.45	3.117	1.81	6.117	24.46	9.12	1.81
0.133	0.45	3.133	1.81	6.133	24.46	9.13	1.81
0.150	0.45	3.150	1.81	6.150	24.46	9.15	1.81
0.167	0.45	3.167	1.81	6.167	24.46	9.17	1.81
0.183	0.45	3.183	1.81	6.183	24.46	9.18	1.81
0.200	0.45	3.200	1.81	6.200	24.46	9.20	1.81
0.217	0.45	3.217	1.81	6.217	24.46	9.22	1.81
0.233	0.45	3.233	1.81	6.233	24.46	9.23	1.81
0.250	0.45	3.250	1.81	6.250	24.44	9.25	1.81
0.267	0.91	3.267	1.81	6.267	8.15	9.27	1.81
0.283	0.91	3.283	1.81	6.283	8.15	9.28	1.81
0.300	0.91	3.300	1.81	6.300	8.15	9.30	1.81
0.317	0.91	3.317	1.81	6.317	8.15	9.32	1.81
0.333	0.91	3.333	1.81	6.333	8.15	9.33	1.81
0.350	0.91	3.350	1.81	6.350	8.15	9.35	1.81
0.367	0.91	3.367	1.81	6.367	8.15	9.37	1.81
0.383	0.91	3.383	1.81	6.383	8.15	9.38	1.81
0.400	0.91	3.400	1.81	6.400	8.15	9.40	1.81
0.417	0.91	3.417	1.81	6.417	8.15	9.42	1.81
0.433	0.91	3.433	1.81	6.433	8.15	9.43	1.81
0.450	0.91	3.450	1.81	6.450	8.15	9.45	1.81
0.467	0.91	3.467	1.81	6.467	8.15	9.47	1.81
0.483	0.91	3.483	1.81	6.483	8.15	9.48	1.81
0.500	0.91	3.500	1.81	6.500	8.15	9.50	1.81
0.517	0.91	3.517	1.81	6.517	5.89	9.52	1.36
0.533	0.91	3.533	1.81	6.533	5.89	9.53	1.36
0.550	0.91	3.550	1.81	6.550	5.89	9.55	1.36
0.567	0.91	3.567	1.81	6.567	5.89	9.57	1.36
0.583	0.91	3.583	1.81	6.583	5.89	9.58	1.36
0.600	0.91	3.600	1.81	6.600	5.89	9.60	1.36
0.617	0.91	3.617	1.81	6.617	5.89	9.62	1.36
0.633	0.91	3.633	1.81	6.633	5.89	9.63	1.36
0.650	0.91	3.650	1.81	6.650	5.89	9.65	1.36

0.667	0.91	3.667	1.81	6.667	5.89	9.67	1.36
0.683	0.91	3.683	1.81	6.683	5.89	9.68	1.36
0.700	0.91	3.700	1.81	6.700	5.89	9.70	1.36
0.717	0.91	3.717	1.81	6.717	5.89	9.72	1.36
0.733	0.91	3.733	1.81	6.733	5.89	9.73	1.36
0.750	0.91	3.750	1.81	6.750	5.88	9.75	1.36
0.767	0.91	3.767	1.81	6.767	3.62	9.77	0.91
0.783	0.91	3.783	1.81	6.783	3.62	9.78	0.91
0.800	0.91	3.800	1.81	6.800	3.62	9.80	0.91
0.817	0.91	3.817	1.81	6.817	3.62	9.82	0.91
0.833	0.91	3.833	1.81	6.833	3.62	9.83	0.91
0.850	0.91	3.850	1.81	6.850	3.62	9.85	0.91
0.867	0.91	3.867	1.81	6.867	3.62	9.87	0.91
0.883	0.91	3.883	1.81	6.883	3.62	9.88	0.91
0.900	0.91	3.900	1.81	6.900	3.62	9.90	0.91
0.917	0.91	3.917	1.81	6.917	3.62	9.92	0.91
0.933	0.91	3.933	1.81	6.933	3.62	9.93	0.91
0.950	0.91	3.950	1.81	6.950	3.62	9.95	0.91
0.967	0.91	3.967	1.81	6.967	3.62	9.97	0.91
0.983	0.91	3.983	1.81	6.983	3.62	9.98	0.91
1.000	0.91	4.000	1.81	7.000	3.62	10.00	0.91
1.017	0.91	4.017	2.26	7.017	3.17	10.02	0.91
1.033	0.91	4.033	2.26	7.033	3.17	10.03	0.91
1.050	0.91	4.050	2.26	7.050	3.17	10.05	0.91
1.067	0.91	4.067	2.26	7.067	3.17	10.07	0.91
1.083	0.91	4.083	2.26	7.083	3.17	10.08	0.91
1.100	0.91	4.100	2.26	7.100	3.17	10.10	0.91
1.117	0.91	4.117	2.26	7.117	3.17	10.12	0.91
1.133	0.91	4.133	2.26	7.133	3.17	10.13	0.91
1.150	0.91	4.150	2.26	7.150	3.17	10.15	0.91
1.167	0.91	4.167	2.26	7.167	3.17	10.17	0.91
1.183	0.91	4.183	2.26	7.183	3.17	10.18	0.91
1.200	0.91	4.200	2.26	7.200	3.17	10.20	0.91
1.217	0.91	4.217	2.26	7.217	3.17	10.22	0.91
1.233	0.91	4.233	2.26	7.233	3.17	10.23	0.91
1.250	0.91	4.250	2.26	7.250	3.17	10.25	0.91
1.267	0.91	4.267	2.72	7.267	2.72	10.27	0.91
1.283	0.91	4.283	2.72	7.283	2.72	10.28	0.91
1.300	0.91	4.300	2.72	7.300	2.72	10.30	0.91
1.317	0.91	4.317	2.72	7.317	2.72	10.32	0.91
1.333	0.91	4.333	2.72	7.333	2.72	10.33	0.91
1.350	0.91	4.350	2.72	7.350	2.72	10.35	0.91
1.367	0.91	4.367	2.72	7.367	2.72	10.37	0.91
1.383	0.91	4.383	2.72	7.383	2.72	10.38	0.91
1.400	0.91	4.400	2.72	7.400	2.72	10.40	0.91
1.417	0.91	4.417	2.72	7.417	2.72	10.42	0.91
1.433	0.91	4.433	2.72	7.433	2.72	10.43	0.91
1.450	0.91	4.450	2.72	7.450	2.72	10.45	0.91
1.467	0.91	4.467	2.72	7.467	2.72	10.47	0.91
1.483	0.91	4.483	2.72	7.483	2.72	10.48	0.91
1.500	0.91	4.500	2.72	7.500	2.72	10.50	0.91
1.517	0.91	4.517	3.17	7.517	2.72	10.52	0.91
1.533	0.91	4.533	3.17	7.533	2.72	10.53	0.91
1.550	0.91	4.550	3.17	7.550	2.72	10.55	0.91
1.567	0.91	4.567	3.17	7.567	2.72	10.57	0.91
1.583	0.91	4.583	3.17	7.583	2.72	10.58	0.91
1.600	0.91	4.600	3.17	7.600	2.72	10.60	0.91
1.617	0.91	4.617	3.17	7.617	2.72	10.62	0.91
1.633	0.91	4.633	3.17	7.633	2.72	10.63	0.91
1.650	0.91	4.650	3.17	7.650	2.72	10.65	0.91
1.667	0.91	4.667	3.17	7.667	2.72	10.67	0.91
1.683	0.91	4.683	3.17	7.683	2.72	10.68	0.91
1.700	0.91	4.700	3.17	7.700	2.72	10.70	0.91
1.717	0.91	4.717	3.17	7.717	2.72	10.72	0.91
1.733	0.91	4.733	3.17	7.733	2.72	10.73	0.91
1.750	0.91	4.750	3.17	7.750	2.72	10.75	0.91
1.767	0.91	4.767	3.62	7.767	2.72	10.77	0.91
1.783	0.91	4.783	3.62	7.783	2.72	10.78	0.91
1.800	0.91	4.800	3.62	7.800	2.72	10.80	0.91
1.817	0.91	4.817	3.62	7.817	2.72	10.82	0.91
1.833	0.91	4.833	3.62	7.833	2.72	10.83	0.91
1.850	0.91	4.850	3.62	7.850	2.72	10.85	0.91
1.867	0.91	4.867	3.62	7.867	2.72	10.87	0.91
1.883	0.91	4.883	3.62	7.883	2.72	10.88	0.91
1.900	0.91	4.900	3.62	7.900	2.72	10.90	0.91
1.917	0.91	4.917	3.62	7.917	2.72	10.92	0.91
1.933	0.91	4.933	3.62	7.933	2.72	10.93	0.91
1.950	0.91	4.950	3.62	7.950	2.72	10.95	0.91
1.967	0.91	4.967	3.62	7.967	2.72	10.97	0.91
1.983	0.91	4.983	3.62	7.983	2.72	10.98	0.91
2.000	0.91	5.000	3.62	8.000	2.72	11.00	0.91
2.017	1.36	5.017	4.53	8.017	2.27	11.02	0.91
2.033	1.36	5.033	4.53	8.033	2.27	11.03	0.91
2.050	1.36	5.050	4.53	8.050	2.27	11.05	0.91

ADD	HYD	(	0017)
1	+	2	= 3

+ ID2= 2 (0205):	14.50	0.118	6.57	5.65
=====				
ID = 3 (0017):	15.46	0.140	6.47	6.90

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 3 (0017):	15.46	0.140	6.47	6.90
+ ID2= 2 (0087):	15.86	0.213	6.47	8.39
=====				
ID = 1 (0017):	31.32	0.353	6.47	7.66

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB			
STANDHYD (0012)			
ID= 1 DT= 1.0 min			

Area	(ha)=	1.18	
Total Imp	(%)=	22.00	Dir. Conn.(%)= 22.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.26
Dep. Storage	(mm)=	2.00
Average Slope	(%)=	1.00
Length	(m)=	88.84
Mannings n	=	0.013

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.45	3.017	1.81	6.017	24.46	9.02	1.81
0.033	0.45	3.033	1.81	6.033	24.46	9.03	1.81
0.050	0.45	3.050	1.81	6.050	24.46	9.05	1.81
0.067	0.45	3.067	1.81	6.067	24.46	9.07	1.81
0.083	0.45	3.083	1.81	6.083	24.46	9.08	1.81
0.100	0.45	3.100	1.81	6.100	24.46	9.10	1.81
0.117	0.45	3.117	1.81	6.117	24.46	9.12	1.81
0.133	0.45	3.133	1.81	6.133	24.46	9.13	1.81
0.150	0.45	3.150	1.81	6.150	24.46	9.15	1.81
0.167	0.45	3.167	1.81	6.167	24.46	9.17	1.81
0.183	0.45	3.183	1.81	6.183	24.46	9.18	1.81
0.200	0.45	3.200	1.81	6.200	24.46	9.20	1.81
0.217	0.45	3.217	1.81	6.217	24.46	9.22	1.81
0.233	0.45	3.233	1.81	6.233	24.46	9.23	1.81
0.250	0.45	3.250	1.81	6.250	24.44	9.25	1.81
0.267	0.91	3.267	1.81	6.267	8.15	9.27	1.81
0.283	0.91	3.283	1.81	6.283	8.15	9.28	1.81
0.300	0.91	3.300	1.81	6.300	8.15	9.30	1.81
0.317	0.91	3.317	1.81	6.317	8.15	9.32	1.81
0.333	0.91	3.333	1.81	6.333	8.15	9.33	1.81
0.350	0.91	3.350	1.81	6.350	8.15	9.35	1.81
0.367	0.91	3.367	1.81	6.367	8.15	9.37	1.81
0.383	0.91	3.383	1.81	6.383	8.15	9.38	1.81
0.400	0.91	3.400	1.81	6.400	8.15	9.40	1.81
0.417	0.91	3.417	1.81	6.417	8.15	9.42	1.81
0.433	0.91	3.433	1.81	6.433	8.15	9.43	1.81
0.450	0.91	3.450	1.81	6.450	8.15	9.45	1.81
0.467	0.91	3.467	1.81	6.467	8.15	9.47	1.81
0.483	0.91	3.483	1.81	6.483	8.15	9.48	1.81
0.500	0.91	3.500	1.81	6.500	8.15	9.50	1.81
0.517	0.91	3.517	1.81	6.517	5.89	9.52	1.36
0.533	0.91	3.533	1.81	6.533	5.89	9.53	1.36
0.550	0.91	3.550	1.81	6.550	5.89	9.55	1.36
0.567	0.91	3.567	1.81	6.567	5.89	9.57	1.36
0.583	0.91	3.583	1.81	6.583	5.89	9.58	1.36
0.600	0.91	3.600	1.81	6.600	5.89	9.60	1.36
0.617	0.91	3.617	1.81	6.617	5.89	9.62	1.36
0.633	0.91	3.633	1.81	6.633	5.89	9.63	1.36
0.650	0.91	3.650	1.81	6.650	5.89	9.65	1.36
0.667	0.91	3.667	1.81	6.667	5.89	9.67	1.36
0.683	0.91	3.683	1.81	6.683	5.89	9.68	1.36
0.700	0.91	3.700	1.81	6.700	5.89	9.70	1.36
0.717	0.91	3.717	1.81	6.717	5.89	9.72	1.36
0.733	0.91	3.733	1.81	6.733	5.89	9.73	1.36
0.750	0.91	3.750	1.81	6.750	5.88	9.75	1.36
0.767	0.91	3.767	1.81	6.767	3.62	9.77	0.91
0.783	0.91	3.783	1.81	6.783	3.62	9.78	0.91
0.800	0.91	3.800	1.81	6.800	3.62	9.80	0.91

0.817	0.91	3.817	1.81	6.817	3.62	9.82	0.91
0.833	0.91	3.833	1.81	6.833	3.62	9.83	0.91
0.850	0.91	3.850	1.81	6.850	3.62	9.85	0.91
0.867	0.91	3.867	1.81	6.867	3.62	9.87	0.91
0.883	0.91	3.883	1.81	6.883	3.62	9.88	0.91
0.900	0.91	3.900	1.81	6.900	3.62	9.90	0.91
0.917	0.91	3.917	1.81	6.917	3.62	9.92	0.91
0.933	0.91	3.933	1.81	6.933	3.62	9.93	0.91
0.950	0.91	3.950	1.81	6.950	3.62	9.95	0.91
0.967	0.91	3.967	1.81	6.967	3.62	9.97	0.91
0.983	0.91	3.983	1.81	6.983	3.62	9.98	0.91
1.000	0.91	4.000	1.81	7.000	3.62	10.00	0.91
1.017	0.91	4.017	2.26	7.017	3.17	10.02	0.91
1.033	0.91	4.033	2.26	7.033	3.17	10.03	0.91
1.050	0.91	4.050	2.26	7.050	3.17	10.05	0.91
1.067	0.91	4.067	2.26	7.067	3.17	10.07	0.91
1.083	0.91	4.083	2.26	7.083	3.17	10.08	0.91
1.100	0.91	4.100	2.26	7.100	3.17	10.10	0.91
1.117	0.91	4.117	2.26	7.117	3.17	10.12	0.91
1.133	0.91	4.133	2.26	7.133	3.17	10.13	0.91
1.150	0.91	4.150	2.26	7.150	3.17	10.15	0.91
1.167	0.91	4.167	2.26	7.167	3.17	10.17	0.91
1.183	0.91	4.183	2.26	7.183	3.17	10.18	0.91
1.200	0.91	4.200	2.26	7.200	3.17	10.20	0.91
1.217	0.91	4.217	2.26	7.217	3.17	10.22	0.91
1.233	0.91	4.233	2.26	7.233	3.17	10.23	0.91
1.250	0.91	4.250	2.26	7.250	3.17	10.25	0.91
1.267	0.91	4.267	2.72	7.267	2.72	10.27	0.91
1.283	0.91	4.283	2.72	7.283	2.72	10.28	0.91
1.300	0.91	4.300	2.72	7.300	2.72	10.30	0.91
1.317	0.91	4.317	2.72	7.317	2.72	10.32	0.91
1.333	0.91	4.333	2.72	7.333	2.72	10.33	0.91
1.350	0.91	4.350	2.72	7.350	2.72	10.35	0.91
1.367	0.91	4.367	2.72	7.367	2.72	10.37	0.91
1.383	0.91	4.383	2.72	7.383	2.72	10.38	0.91
1.400	0.91	4.400	2.72	7.400	2.72	10.40	0.91
1.417	0.91	4.417	2.72	7.417	2.72	10.42	0.91
1.433	0.91	4.433	2.72	7.433	2.72	10.43	0.91
1.450	0.91	4.450	2.72	7.450	2.72	10.45	0.91
1.467	0.91	4.467	2.72	7.467	2.72	10.47	0.91
1.483	0.91	4.483	2.72	7.483	2.72	10.48	0.91
1.500	0.91	4.500	2.72	7.500	2.72	10.50	0.91
1.517	0.91	4.517	3.17	7.517	2.72	10.52	0.91
1.533	0.91	4.533	3.17	7.533	2.72	10.53	0.91
1.550	0.91	4.550	3.17	7.550	2.72	10.55	0.91
1.567	0.91	4.567	3.17	7.567	2.72	10.57	0.91
1.583	0.91	4.583	3.17	7.583	2.72	10.58	0.91
1.600	0.91	4.600	3.17	7.600	2.72	10.60	0.91
1.617	0.91	4.617	3.17	7.617	2.72	10.62	0.91
1.633	0.91	4.633	3.17	7.633	2.72	10.63	0.91
1.650	0.91	4.650	3.17	7.650	2.72	10.65	0.91
1.667	0.91	4.667	3.17	7.667	2.72	10.67	0.91
1.683	0.91	4.683	3.17	7.683	2.72	10.68	0.91
1.700	0.91	4.700	3.17	7.700	2.72	10.70	0.91
1.717	0.91	4.717	3.17	7.717	2.72	10.72	0.91
1.733	0.91	4.733	3.17	7.733	2.72	10.73	0.91
1.750	0.91	4.750	3.17	7.750	2.72	10.75	0.91
1.767	0.91	4.767	3.62	7.767	2.72	10.77	0.91
1.783	0.91	4.783	3.62	7.783	2.72	10.78	0.91
1.800	0.91	4.800	3.62	7.800	2.72	10.80	0.91
1.817	0.91	4.817	3.62	7.817	2.72	10.82	0.91
1.833	0.91	4.833	3.62	7.833	2.72	10.83	0.91
1.850	0.91	4.850	3.62	7.850	2.72	10.85	0.91
1.867	0.91	4.867	3.62	7.867	2.72	10.87	0.91
1.883	0.91	4.883	3.62	7.883	2.72	10.88	0.91
1.900	0.91	4.900	3.62	7.900	2.72	10.90	0.91
1.917	0.91	4.917	3.62	7.917	2.72	10.92	0.91
1.933	0.91	4.933	3.62	7.933	2.72	10.93	0.91
1.950	0.91	4.950	3.62	7.950	2.72	10.95	0.91
1.967	0.91	4.967	3.62	7.967	2.72	10.97	0.91
1.983	0.91	4.983	3.62	7.983	2.72	10.98	0.91
2.000	0.91	5.000	3.62	8.000	2.72	11.00	0.91
2.017	1.36	5.017	4.53	8.017	2.27	11.02	0.91
2.033	1.36	5.033	4.53	8.033	2.27	11.03	0.91
2.050	1.36	5.050	4.53	8.050	2.27	11.05	0.91
2.067	1.36	5.067	4.53	8.067	2.27	11.07	0.91
2.083	1.36	5.083	4.53	8.083	2.27	11.08	0.91
2.100	1.36	5.100	4.53	8.100	2.27	11.10	0.91
2.117	1.36	5.117	4.53	8.117	2.27	11.12	0.91
2.133	1.36	5.133	4.53	8.133	2.27	11.13	0.91
2.150	1.36	5.150	4.53	8.150	2.27	11.15	0.91
2.167	1.36	5.167	4.53	8.167	2.27	11.17	0.91
2.183	1.36	5.183	4.53	8.183	2.27	11.18	0.91
2.200	1.36	5.200	4.53	8.200	2.27	11.20	0.91

2.217	1.36	5.217	4.53	8.217	2.27	11.22	0.91
2.233	1.36	5.233	4.53	8.233	2.27	11.23	0.91
2.250	1.36	5.250	4.53	8.250	2.26	11.25	0.91
2.267	1.81	5.267	5.44	8.267	1.81	11.27	0.91
2.283	1.81	5.283	5.44	8.283	1.81	11.28	0.91
2.300	1.81	5.300	5.44	8.300	1.81	11.30	0.91
2.317	1.81	5.317	5.44	8.317	1.81	11.32	0.91
2.333	1.81	5.333	5.44	8.333	1.81	11.33	0.91
2.350	1.81	5.350	5.44	8.350	1.81	11.35	0.91
2.367	1.81	5.367	5.44	8.367	1.81	11.37	0.91
2.383	1.81	5.383	5.44	8.383	1.81	11.38	0.91
2.400	1.81	5.400	5.44	8.400	1.81	11.40	0.91
2.417	1.81	5.417	5.44	8.417	1.81	11.42	0.91
2.433	1.81	5.433	5.44	8.433	1.81	11.43	0.91
2.450	1.81	5.450	5.44	8.450	1.81	11.45	0.91
2.467	1.81	5.467	5.44	8.467	1.81	11.47	0.91
2.483	1.81	5.483	5.44	8.483	1.81	11.48	0.91
2.500	1.81	5.500	5.45	8.500	1.81	11.50	0.91
2.517	1.81	5.517	23.10	8.517	1.81	11.52	0.91
2.533	1.81	5.533	23.10	8.533	1.81	11.53	0.91
2.550	1.81	5.550	23.10	8.550	1.81	11.55	0.91
2.567	1.81	5.567	23.10	8.567	1.81	11.57	0.91
2.583	1.81	5.583	23.10	8.583	1.81	11.58	0.91
2.600	1.81	5.600	23.10	8.600	1.81	11.60	0.91
2.617	1.81	5.617	23.10	8.617	1.81	11.62	0.91
2.633	1.81	5.633	23.10	8.633	1.81	11.63	0.91
2.650	1.81	5.650	23.10	8.650	1.81	11.65	0.91
2.667	1.81	5.667	23.10	8.667	1.81	11.67	0.91
2.683	1.81	5.683	23.10	8.683	1.81	11.68	0.91
2.700	1.81	5.700	23.10	8.700	1.81	11.70	0.91
2.717	1.81	5.717	23.10	8.717	1.81	11.72	0.91
2.733	1.81	5.733	23.10	8.733	1.81	11.73	0.91
2.750	1.81	5.750	23.12	8.750	1.81	11.75	0.91
2.767	1.81	5.767	40.77	8.767	1.81	11.77	0.91
2.783	1.81	5.783	40.77	8.783	1.81	11.78	0.91
2.800	1.81	5.800	40.77	8.800	1.81	11.80	0.91
2.817	1.81	5.817	40.77	8.817	1.81	11.82	0.91
2.833	1.81	5.833	40.77	8.833	1.81	11.83	0.91
2.850	1.81	5.850	40.77	8.850	1.81	11.85	0.91
2.867	1.81	5.867	40.77	8.867	1.81	11.87	0.91
2.883	1.81	5.883	40.77	8.883	1.81	11.88	0.91
2.900	1.81	5.900	40.77	8.900	1.81	11.90	0.91
2.917	1.81	5.917	40.77	8.917	1.81	11.92	0.91
2.933	1.81	5.933	40.77	8.933	1.81	11.93	0.91
2.950	1.81	5.950	40.77	8.950	1.81	11.95	0.91
2.967	1.81	5.967	40.77	8.967	1.81	11.97	0.91
2.983	1.81	5.983	40.77	8.983	1.81	11.98	0.91
3.000	1.81	6.000	40.75	9.000	1.81	12.00	0.91

Max.Eff.Inten.(mm/hr)=	40.77	5.38	
over (min)	5.00	27.00	
Storage Coeff. (min)=	3.41 (ii)	26.13 (ii)	
Unit Hyd. Tpeak (min)=	5.00	27.00	
Unit Hyd. peak (cms)=	0.29	0.04	
			TOTALS
PEAK FLOW (cms)=	0.03	0.01	0.032 (iii)
TIME TO PEAK (hrs)=	6.00	6.48	6.00
RUNOFF VOLUME (mm)=	43.18	6.41	14.49
TOTAL RAINFALL (mm)=	45.19	45.19	45.19
RUNOFF COEFFICIENT =	0.96	0.14	0.32

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
STANDHYD (0203)	Area (ha)= 17.16		
ID= 1 DT= 1.0 min	Total Imp(%)= 42.00	Dir. Conn.(%)= 30.00	
	IMPERVIOUS	PERVIOUS (i)	
Surface Area (ha)=	7.21	9.95	
Dep. Storage (mm)=	2.00	5.00	
Average slope (%)=	1.00	2.00	
Length (m)=	267.45	40.00	
Mannings n =	0.013	0.250	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.45	3.017	1.81	6.017	24.46	9.02	1.81
0.033	0.45	3.033	1.81	6.033	24.46	9.03	1.81
0.050	0.45	3.050	1.81	6.050	24.46	9.05	1.81
0.067	0.45	3.067	1.81	6.067	24.46	9.07	1.81
0.083	0.45	3.083	1.81	6.083	24.46	9.08	1.81
0.100	0.45	3.100	1.81	6.100	24.46	9.10	1.81
0.117	0.45	3.117	1.81	6.117	24.46	9.12	1.81
0.133	0.45	3.133	1.81	6.133	24.46	9.13	1.81
0.150	0.45	3.150	1.81	6.150	24.46	9.15	1.81
0.167	0.45	3.167	1.81	6.167	24.46	9.17	1.81
0.183	0.45	3.183	1.81	6.183	24.46	9.18	1.81
0.200	0.45	3.200	1.81	6.200	24.46	9.20	1.81
0.217	0.45	3.217	1.81	6.217	24.46	9.22	1.81
0.233	0.45	3.233	1.81	6.233	24.46	9.23	1.81
0.250	0.45	3.250	1.81	6.250	24.44	9.25	1.81
0.267	0.91	3.267	1.81	6.267	8.15	9.27	1.81
0.283	0.91	3.283	1.81	6.283	8.15	9.28	1.81
0.300	0.91	3.300	1.81	6.300	8.15	9.30	1.81
0.317	0.91	3.317	1.81	6.317	8.15	9.32	1.81
0.333	0.91	3.333	1.81	6.333	8.15	9.33	1.81
0.350	0.91	3.350	1.81	6.350	8.15	9.35	1.81
0.367	0.91	3.367	1.81	6.367	8.15	9.37	1.81
0.383	0.91	3.383	1.81	6.383	8.15	9.38	1.81
0.400	0.91	3.400	1.81	6.400	8.15	9.40	1.81
0.417	0.91	3.417	1.81	6.417	8.15	9.42	1.81
0.433	0.91	3.433	1.81	6.433	8.15	9.43	1.81
0.450	0.91	3.450	1.81	6.450	8.15	9.45	1.81
0.467	0.91	3.467	1.81	6.467	8.15	9.47	1.81
0.483	0.91	3.483	1.81	6.483	8.15	9.48	1.81
0.500	0.91	3.500	1.81	6.500	8.15	9.50	1.81
0.517	0.91	3.517	1.81	6.517	5.89	9.52	1.36
0.533	0.91	3.533	1.81	6.533	5.89	9.53	1.36
0.550	0.91	3.550	1.81	6.550	5.89	9.55	1.36
0.567	0.91	3.567	1.81	6.567	5.89	9.57	1.36
0.583	0.91	3.583	1.81	6.583	5.89	9.58	1.36
0.600	0.91	3.600	1.81	6.600	5.89	9.60	1.36
0.617	0.91	3.617	1.81	6.617	5.89	9.62	1.36
0.633	0.91	3.633	1.81	6.633	5.89	9.63	1.36
0.650	0.91	3.650	1.81	6.650	5.89	9.65	1.36
0.667	0.91	3.667	1.81	6.667	5.89	9.67	1.36
0.683	0.91	3.683	1.81	6.683	5.89	9.68	1.36
0.700	0.91	3.700	1.81	6.700	5.89	9.70	1.36
0.717	0.91	3.717	1.81	6.717	5.89	9.72	1.36
0.733	0.91	3.733	1.81	6.733	5.89	9.73	1.36
0.750	0.91	3.750	1.81	6.750	5.88	9.75	1.36
0.767	0.91	3.767	1.81	6.767	3.62	9.77	0.91
0.783	0.91	3.783	1.81	6.783	3.62	9.78	0.91
0.800	0.91	3.800	1.81	6.800	3.62	9.80	0.91
0.817	0.91	3.817	1.81	6.817	3.62	9.82	0.91
0.833	0.91	3.833	1.81	6.833	3.62	9.83	0.91
0.850	0.91	3.850	1.81	6.850	3.62	9.85	0.91
0.867	0.91	3.867	1.81	6.867	3.62	9.87	0.91
0.883	0.91	3.883	1.81	6.883	3.62	9.88	0.91
0.900	0.91	3.900	1.81	6.900	3.62	9.90	0.91
0.917	0.91	3.917	1.81	6.917	3.62	9.92	0.91
0.933	0.91	3.933	1.81	6.933	3.62	9.93	0.91
0.950	0.91	3.950	1.81	6.950	3.62	9.95	0.91
0.967	0.91	3.967	1.81	6.967	3.62	9.97	0.91
0.983	0.91	3.983	1.81	6.983	3.62	9.98	0.91
1.000	0.91	4.000	1.81	7.000	3.62	10.00	0.91
1.017	0.91	4.017	2.26	7.017	3.17	10.02	0.91
1.033	0.91	4.033	2.26	7.033	3.17	10.03	0.91
1.050	0.91	4.050	2.26	7.050	3.17	10.05	0.91
1.067	0.91	4.067	2.26	7.067	3.17	10.07	0.91
1.083	0.91	4.083	2.26	7.083	3.17	10.08	0.91
1.100	0.91	4.100	2.26	7.100	3.17	10.10	0.91
1.117	0.91	4.117	2.26	7.117	3.17	10.12	0.91
1.133	0.91	4.133	2.26	7.133	3.17	10.13	0.91
1.150	0.91	4.150	2.26	7.150	3.17	10.15	0.91
1.167	0.91	4.167	2.26	7.167	3.17	10.17	0.91
1.183	0.91	4.183	2.26	7.183	3.17	10.18	0.91
1.200	0.91	4.200	2.26	7.200	3.17	10.20	0.91
1.217	0.91	4.217	2.26	7.217	3.17	10.22	0.91
1.233	0.91	4.233	2.26	7.233	3.17	10.23	0.91
1.250	0.91	4.250	2.26	7.250	3.17	10.25	0.91
1.267	0.91	4.267	2.72	7.267	2.72	10.27	0.91
1.283	0.91	4.283	2.72	7.283	2.72	10.28	0.91
1.300	0.91	4.300	2.72	7.300	2.72	10.30	0.91
1.317	0.91	4.317	2.72	7.317	2.72	10.32	0.91
1.333	0.91	4.333	2.72	7.333	2.72	10.33	0.91
1.350	0.91	4.350	2.72	7.350	2.72	10.35	0.91

1.367	0.91	4.367	2.72	7.367	2.72	10.37	0.91
1.383	0.91	4.383	2.72	7.383	2.72	10.38	0.91
1.400	0.91	4.400	2.72	7.400	2.72	10.40	0.91
1.417	0.91	4.417	2.72	7.417	2.72	10.42	0.91
1.433	0.91	4.433	2.72	7.433	2.72	10.43	0.91
1.450	0.91	4.450	2.72	7.450	2.72	10.45	0.91
1.467	0.91	4.467	2.72	7.467	2.72	10.47	0.91
1.483	0.91	4.483	2.72	7.483	2.72	10.48	0.91
1.500	0.91	4.500	2.72	7.500	2.72	10.50	0.91
1.517	0.91	4.517	3.17	7.517	2.72	10.52	0.91
1.533	0.91	4.533	3.17	7.533	2.72	10.53	0.91
1.550	0.91	4.550	3.17	7.550	2.72	10.55	0.91
1.567	0.91	4.567	3.17	7.567	2.72	10.57	0.91
1.583	0.91	4.583	3.17	7.583	2.72	10.58	0.91
1.600	0.91	4.600	3.17	7.600	2.72	10.60	0.91
1.617	0.91	4.617	3.17	7.617	2.72	10.62	0.91
1.633	0.91	4.633	3.17	7.633	2.72	10.63	0.91
1.650	0.91	4.650	3.17	7.650	2.72	10.65	0.91
1.667	0.91	4.667	3.17	7.667	2.72	10.67	0.91
1.683	0.91	4.683	3.17	7.683	2.72	10.68	0.91
1.700	0.91	4.700	3.17	7.700	2.72	10.70	0.91
1.717	0.91	4.717	3.17	7.717	2.72	10.72	0.91
1.733	0.91	4.733	3.17	7.733	2.72	10.73	0.91
1.750	0.91	4.750	3.17	7.750	2.72	10.75	0.91
1.767	0.91	4.767	3.62	7.767	2.72	10.77	0.91
1.783	0.91	4.783	3.62	7.783	2.72	10.78	0.91
1.800	0.91	4.800	3.62	7.800	2.72	10.80	0.91
1.817	0.91	4.817	3.62	7.817	2.72	10.82	0.91
1.833	0.91	4.833	3.62	7.833	2.72	10.83	0.91
1.850	0.91	4.850	3.62	7.850	2.72	10.85	0.91
1.867	0.91	4.867	3.62	7.867	2.72	10.87	0.91
1.883	0.91	4.883	3.62	7.883	2.72	10.88	0.91
1.900	0.91	4.900	3.62	7.900	2.72	10.90	0.91
1.917	0.91	4.917	3.62	7.917	2.72	10.92	0.91
1.933	0.91	4.933	3.62	7.933	2.72	10.93	0.91
1.950	0.91	4.950	3.62	7.950	2.72	10.95	0.91
1.967	0.91	4.967	3.62	7.967	2.72	10.97	0.91
1.983	0.91	4.983	3.62	7.983	2.72	10.98	0.91
2.000	0.91	5.000	3.62	8.000	2.72	11.00	0.91
2.017	1.36	5.017	4.53	8.017	2.27	11.02	0.91
2.033	1.36	5.033	4.53	8.033	2.27	11.03	0.91
2.050	1.36	5.050	4.53	8.050	2.27	11.05	0.91
2.067	1.36	5.067	4.53	8.067	2.27	11.07	0.91
2.083	1.36	5.083	4.53	8.083	2.27	11.08	0.91
2.100	1.36	5.100	4.53	8.100	2.27	11.10	0.91
2.117	1.36	5.117	4.53	8.117	2.27	11.12	0.91
2.133	1.36	5.133	4.53	8.133	2.27	11.13	0.91
2.150	1.36	5.150	4.53	8.150	2.27	11.15	0.91
2.167	1.36	5.167	4.53	8.167	2.27	11.17	0.91
2.183	1.36	5.183	4.53	8.183	2.27	11.18	0.91
2.200	1.36	5.200	4.53	8.200	2.27	11.20	0.91
2.217	1.36	5.217	4.53	8.217	2.27	11.22	0.91
2.233	1.36	5.233	4.53	8.233	2.27	11.23	0.91
2.250	1.36	5.250	4.53	8.250	2.26	11.25	0.91
2.267	1.81	5.267	5.44	8.267	1.81	11.27	0.91
2.283	1.81	5.283	5.44	8.283	1.81	11.28	0.91
2.300	1.81	5.300	5.44	8.300	1.81	11.30	0.91
2.317	1.81	5.317	5.44	8.317	1.81	11.32	0.91
2.333	1.81	5.333	5.44	8.333	1.81	11.33	0.91
2.350	1.81	5.350	5.44	8.350	1.81	11.35	0.91
2.367	1.81	5.367	5.44	8.367	1.81	11.37	0.91
2.383	1.81	5.383	5.44	8.383	1.81	11.38	0.91
2.400	1.81	5.400	5.44	8.400	1.81	11.40	0.91
2.417	1.81	5.417	5.44	8.417	1.81	11.42	0.91
2.433	1.81	5.433	5.44	8.433	1.81	11.43	0.91
2.450	1.81	5.450	5.44	8.450	1.81	11.45	0.91
2.467	1.81	5.467	5.44	8.467	1.81	11.47	0.91
2.483	1.81	5.483	5.44	8.483	1.81	11.48	0.91
2.500	1.81	5.500	5.45	8.500	1.81	11.50	0.91
2.517	1.81	5.517	23.10	8.517	1.81	11.52	0.91
2.533	1.81	5.533	23.10	8.533	1.81	11.53	0.91
2.550	1.81	5.550	23.10	8.550	1.81	11.55	0.91
2.567	1.81	5.567	23.10	8.567	1.81	11.57	0.91
2.583	1.81	5.583	23.10	8.583	1.81	11.58	0.91
2.600	1.81	5.600	23.10	8.600	1.81	11.60	0.91
2.617	1.81	5.617	23.10	8.617	1.81	11.62	0.91
2.633	1.81	5.633	23.10	8.633	1.81	11.63	0.91
2.650	1.81	5.650	23.10	8.650	1.81	11.65	0.91
2.667	1.81	5.667	23.10	8.667	1.81	11.67	0.91
2.683	1.81	5.683	23.10	8.683	1.81	11.68	0.91
2.700	1.81	5.700	23.10	8.700	1.81	11.70	0.91
2.717	1.81	5.717	23.10	8.717	1.81	11.72	0.91
2.733	1.81	5.733	23.10	8.733	1.81	11.73	0.91
2.750	1.81	5.750	23.12	8.750	1.81	11.75	0.91

2.767	1.81	5.767	40.77	8.767	1.81	11.77	0.91
2.783	1.81	5.783	40.77	8.783	1.81	11.78	0.91
2.800	1.81	5.800	40.77	8.800	1.81	11.80	0.91
2.817	1.81	5.817	40.77	8.817	1.81	11.82	0.91
2.833	1.81	5.833	40.77	8.833	1.81	11.83	0.91
2.850	1.81	5.850	40.77	8.850	1.81	11.85	0.91
2.867	1.81	5.867	40.77	8.867	1.81	11.87	0.91
2.883	1.81	5.883	40.77	8.883	1.81	11.88	0.91
2.900	1.81	5.900	40.77	8.900	1.81	11.90	0.91
2.917	1.81	5.917	40.77	8.917	1.81	11.92	0.91
2.933	1.81	5.933	40.77	8.933	1.81	11.93	0.91
2.950	1.81	5.950	40.77	8.950	1.81	11.95	0.91
2.967	1.81	5.967	40.77	8.967	1.81	11.97	0.91
2.983	1.81	5.983	40.77	8.983	1.81	11.98	0.91
3.000	1.81	6.000	40.75	9.000	1.81	12.00	0.91

Max.Eff.Inten.(mm/hr)= 40.77 7.86
over (min) 7.00 27.00
Storage Coeff. (min)= 6.60 (ii) 26.12 (ii)
Unit Hyd. Tpeak (min)= 7.00 27.00
Unit Hyd. peak (cms)= 0.17 0.04

TOTALS

PEAK FLOW (cms)= 0.54 0.14 0.595 (iii)
TIME TO PEAK (hrs)= 6.02 6.48 6.03
RUNOFF VOLUME (mm)= 43.18 7.64 18.31
TOTAL RAINFALL (mm)= 45.19 45.19 45.19
RUNOFF COEFFICIENT = 0.96 0.17 0.41

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0012):	1.18	0.032	6.00	14.49
+ ID2= 2 (0203):	17.16	0.595	6.03	18.31
=====				
ID = 3 (0082):	18.34	0.626	6.03	18.06

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
IN= 2---> OUT= 1				
DT= 5.0 min				
OVERFLOW IS OFF				
	0.0000	0.0000	0.0940	0.3600
	0.0120	0.2100	0.1210	0.4000
	0.0550	0.2600	0.1500	0.4500
	0.0620	0.3000	0.3000	0.7210
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0082)	18.340	0.626	6.03	18.06
OUTFLOW: ID= 1 (0002)	18.340	0.050	9.02	10.04

PEAK FLOW REDUCTION [Qout/Qin](%)= 8.03
TIME SHIFT OF PEAK FLOW (min)=179.00
MAXIMUM STORAGE USED (ha.m.)= 0.2545

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0017):	31.32	0.353	6.47	7.66
+ ID2= 2 (0002):	18.34	0.050	9.02	10.04
=====				
ID = 3 (0089):	49.66	0.364	6.47	8.54

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:3.2 SCS II 12hr 5yr **

CALIB
NASHYD (0087)
ID= 1 DT= 1.0 min

Area (ha)= 15.86 Curve Number (CN)= 62.0
Ia (mm)= 4.60 # of Linear Res.(N)= 3.00
U.H. Tp(hrs)= 0.40

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.59	3.017	2.36	6.017	31.81	9.02	2.36
0.033	0.59	3.033	2.36	6.033	31.81	9.03	2.36
0.050	0.59	3.050	2.36	6.050	31.81	9.05	2.36
0.067	0.59	3.067	2.36	6.067	31.81	9.07	2.36
0.083	0.59	3.083	2.36	6.083	31.81	9.08	2.36
0.100	0.59	3.100	2.36	6.100	31.81	9.10	2.36
0.117	0.59	3.117	2.36	6.117	31.81	9.12	2.36
0.133	0.59	3.133	2.36	6.133	31.81	9.13	2.36
0.150	0.59	3.150	2.36	6.150	31.81	9.15	2.36
0.167	0.59	3.167	2.36	6.167	31.81	9.17	2.36
0.183	0.59	3.183	2.36	6.183	31.81	9.18	2.36
0.200	0.59	3.200	2.36	6.200	31.81	9.20	2.36
0.217	0.59	3.217	2.36	6.217	31.81	9.22	2.36
0.233	0.59	3.233	2.36	6.233	31.81	9.23	2.36
0.250	0.59	3.250	2.36	6.250	31.78	9.25	2.36
0.267	1.18	3.267	2.36	6.267	10.60	9.27	2.36
0.283	1.18	3.283	2.36	6.283	10.60	9.28	2.36
0.300	1.18	3.300	2.36	6.300	10.60	9.30	2.36
0.317	1.18	3.317	2.36	6.317	10.60	9.32	2.36
0.333	1.18	3.333	2.36	6.333	10.60	9.33	2.36
0.350	1.18	3.350	2.36	6.350	10.60	9.35	2.36
0.367	1.18	3.367	2.36	6.367	10.60	9.37	2.36
0.383	1.18	3.383	2.36	6.383	10.60	9.38	2.36
0.400	1.18	3.400	2.36	6.400	10.60	9.40	2.36
0.417	1.18	3.417	2.36	6.417	10.60	9.42	2.36
0.433	1.18	3.433	2.36	6.433	10.60	9.43	2.36
0.450	1.18	3.450	2.36	6.450	10.60	9.45	2.36
0.467	1.18	3.467	2.36	6.467	10.60	9.47	2.36
0.483	1.18	3.483	2.36	6.483	10.60	9.48	2.36
0.500	1.18	3.500	2.36	6.500	10.60	9.50	2.36
0.517	1.18	3.517	2.36	6.517	7.66	9.52	1.77
0.533	1.18	3.533	2.36	6.533	7.66	9.53	1.77
0.550	1.18	3.550	2.36	6.550	7.66	9.55	1.77
0.567	1.18	3.567	2.36	6.567	7.66	9.57	1.77
0.583	1.18	3.583	2.36	6.583	7.66	9.58	1.77
0.600	1.18	3.600	2.36	6.600	7.66	9.60	1.77
0.617	1.18	3.617	2.36	6.617	7.66	9.62	1.77
0.633	1.18	3.633	2.36	6.633	7.66	9.63	1.77
0.650	1.18	3.650	2.36	6.650	7.66	9.65	1.77
0.667	1.18	3.667	2.36	6.667	7.66	9.67	1.77
0.683	1.18	3.683	2.36	6.683	7.66	9.68	1.77
0.700	1.18	3.700	2.36	6.700	7.66	9.70	1.77
0.717	1.18	3.717	2.36	6.717	7.66	9.72	1.77
0.733	1.18	3.733	2.36	6.733	7.66	9.73	1.77
0.750	1.18	3.750	2.36	6.750	7.65	9.75	1.77
0.767	1.18	3.767	2.36	6.767	4.71	9.77	1.18
0.783	1.18	3.783	2.36	6.783	4.71	9.78	1.18
0.800	1.18	3.800	2.36	6.800	4.71	9.80	1.18
0.817	1.18	3.817	2.36	6.817	4.71	9.82	1.18
0.833	1.18	3.833	2.36	6.833	4.71	9.83	1.18
0.850	1.18	3.850	2.36	6.850	4.71	9.85	1.18
0.867	1.18	3.867	2.36	6.867	4.71	9.87	1.18
0.883	1.18	3.883	2.36	6.883	4.71	9.88	1.18
0.900	1.18	3.900	2.36	6.900	4.71	9.90	1.18
0.917	1.18	3.917	2.36	6.917	4.71	9.92	1.18
0.933	1.18	3.933	2.36	6.933	4.71	9.93	1.18
0.950	1.18	3.950	2.36	6.950	4.71	9.95	1.18
0.967	1.18	3.967	2.36	6.967	4.71	9.97	1.18
0.983	1.18	3.983	2.36	6.983	4.71	9.98	1.18
1.000	1.18	4.000	2.36	7.000	4.71	10.00	1.18
1.017	1.18	4.017	2.95	7.017	4.12	10.02	1.18
1.033	1.18	4.033	2.95	7.033	4.12	10.03	1.18
1.050	1.18	4.050	2.95	7.050	4.12	10.05	1.18
1.067	1.18	4.067	2.95	7.067	4.12	10.07	1.18
1.083	1.18	4.083	2.95	7.083	4.12	10.08	1.18
1.100	1.18	4.100	2.95	7.100	4.12	10.10	1.18
1.117	1.18	4.117	2.95	7.117	4.12	10.12	1.18
1.133	1.18	4.133	2.95	7.133	4.12	10.13	1.18
1.150	1.18	4.150	2.95	7.150	4.12	10.15	1.18
1.167	1.18	4.167	2.95	7.167	4.12	10.17	1.18
1.183	1.18	4.183	2.95	7.183	4.12	10.18	1.18
1.200	1.18	4.200	2.95	7.200	4.12	10.20	1.18

1.217	1.18	4.217	2.95	7.217	4.12	10.22	1.18
1.233	1.18	4.233	2.95	7.233	4.12	10.23	1.18
1.250	1.18	4.250	2.95	7.250	4.12	10.25	1.18
1.267	1.18	4.267	3.53	7.267	3.53	10.27	1.18
1.283	1.18	4.283	3.53	7.283	3.53	10.28	1.18
1.300	1.18	4.300	3.53	7.300	3.53	10.30	1.18
1.317	1.18	4.317	3.53	7.317	3.53	10.32	1.18
1.333	1.18	4.333	3.53	7.333	3.53	10.33	1.18
1.350	1.18	4.350	3.53	7.350	3.53	10.35	1.18
1.367	1.18	4.367	3.53	7.367	3.53	10.37	1.18
1.383	1.18	4.383	3.53	7.383	3.53	10.38	1.18
1.400	1.18	4.400	3.53	7.400	3.53	10.40	1.18
1.417	1.18	4.417	3.53	7.417	3.53	10.42	1.18
1.433	1.18	4.433	3.53	7.433	3.53	10.43	1.18
1.450	1.18	4.450	3.53	7.450	3.53	10.45	1.18
1.467	1.18	4.467	3.53	7.467	3.53	10.47	1.18
1.483	1.18	4.483	3.53	7.483	3.53	10.48	1.18
1.500	1.18	4.500	3.53	7.500	3.53	10.50	1.18
1.517	1.18	4.517	4.12	7.517	3.53	10.52	1.18
1.533	1.18	4.533	4.12	7.533	3.53	10.53	1.18
1.550	1.18	4.550	4.12	7.550	3.53	10.55	1.18
1.567	1.18	4.567	4.12	7.567	3.53	10.57	1.18
1.583	1.18	4.583	4.12	7.583	3.53	10.58	1.18
1.600	1.18	4.600	4.12	7.600	3.53	10.60	1.18
1.617	1.18	4.617	4.12	7.617	3.53	10.62	1.18
1.633	1.18	4.633	4.12	7.633	3.53	10.63	1.18
1.650	1.18	4.650	4.12	7.650	3.53	10.65	1.18
1.667	1.18	4.667	4.12	7.667	3.53	10.67	1.18
1.683	1.18	4.683	4.12	7.683	3.53	10.68	1.18
1.700	1.18	4.700	4.12	7.700	3.53	10.70	1.18
1.717	1.18	4.717	4.12	7.717	3.53	10.72	1.18
1.733	1.18	4.733	4.12	7.733	3.53	10.73	1.18
1.750	1.18	4.750	4.12	7.750	3.53	10.75	1.18
1.767	1.18	4.767	4.71	7.767	3.53	10.77	1.18
1.783	1.18	4.783	4.71	7.783	3.53	10.78	1.18
1.800	1.18	4.800	4.71	7.800	3.53	10.80	1.18
1.817	1.18	4.817	4.71	7.817	3.53	10.82	1.18
1.833	1.18	4.833	4.71	7.833	3.53	10.83	1.18
1.850	1.18	4.850	4.71	7.850	3.53	10.85	1.18
1.867	1.18	4.867	4.71	7.867	3.53	10.87	1.18
1.883	1.18	4.883	4.71	7.883	3.53	10.88	1.18
1.900	1.18	4.900	4.71	7.900	3.53	10.90	1.18
1.917	1.18	4.917	4.71	7.917	3.53	10.92	1.18
1.933	1.18	4.933	4.71	7.933	3.53	10.93	1.18
1.950	1.18	4.950	4.71	7.950	3.53	10.95	1.18
1.967	1.18	4.967	4.71	7.967	3.53	10.97	1.18
1.983	1.18	4.983	4.71	7.983	3.53	10.98	1.18
2.000	1.18	5.000	4.71	8.000	3.53	11.00	1.18
2.017	1.77	5.017	5.89	8.017	2.95	11.02	1.18
2.033	1.77	5.033	5.89	8.033	2.95	11.03	1.18
2.050	1.77	5.050	5.89	8.050	2.95	11.05	1.18
2.067	1.77	5.067	5.89	8.067	2.95	11.07	1.18
2.083	1.77	5.083	5.89	8.083	2.95	11.08	1.18
2.100	1.77	5.100	5.89	8.100	2.95	11.10	1.18
2.117	1.77	5.117	5.89	8.117	2.95	11.12	1.18
2.133	1.77	5.133	5.89	8.133	2.95	11.13	1.18
2.150	1.77	5.150	5.89	8.150	2.95	11.15	1.18
2.167	1.77	5.167	5.89	8.167	2.95	11.17	1.18
2.183	1.77	5.183	5.89	8.183	2.95	11.18	1.18
2.200	1.77	5.200	5.89	8.200	2.95	11.20	1.18
2.217	1.77	5.217	5.89	8.217	2.95	11.22	1.18
2.233	1.77	5.233	5.89	8.233	2.95	11.23	1.18
2.250	1.77	5.250	5.89	8.250	2.94	11.25	1.18
2.267	2.36	5.267	7.07	8.267	2.36	11.27	1.18
2.283	2.36	5.283	7.07	8.283	2.36	11.28	1.18
2.300	2.36	5.300	7.07	8.300	2.36	11.30	1.18
2.317	2.36	5.317	7.07	8.317	2.36	11.32	1.18
2.333	2.36	5.333	7.07	8.333	2.36	11.33	1.18
2.350	2.36	5.350	7.07	8.350	2.36	11.35	1.18
2.367	2.36	5.367	7.07	8.367	2.36	11.37	1.18
2.383	2.36	5.383	7.07	8.383	2.36	11.38	1.18
2.400	2.36	5.400	7.07	8.400	2.36	11.40	1.18
2.417	2.36	5.417	7.07	8.417	2.36	11.42	1.18
2.433	2.36	5.433	7.07	8.433	2.36	11.43	1.18
2.450	2.36	5.450	7.07	8.450	2.36	11.45	1.18
2.467	2.36	5.467	7.07	8.467	2.36	11.47	1.18
2.483	2.36	5.483	7.07	8.483	2.36	11.48	1.18
2.500	2.36	5.500	7.09	8.500	2.36	11.50	1.18
2.517	2.36	5.517	30.04	8.517	2.36	11.52	1.18
2.533	2.36	5.533	30.04	8.533	2.36	11.53	1.18
2.550	2.36	5.550	30.04	8.550	2.36	11.55	1.18
2.567	2.36	5.567	30.04	8.567	2.36	11.57	1.18
2.583	2.36	5.583	30.04	8.583	2.36	11.58	1.18
2.600	2.36	5.600	30.04	8.600	2.36	11.60	1.18

2.617	2.36	5.617	30.04	8.617	2.36	11.62	1.18
2.633	2.36	5.633	30.04	8.633	2.36	11.63	1.18
2.650	2.36	5.650	30.04	8.650	2.36	11.65	1.18
2.667	2.36	5.667	30.04	8.667	2.36	11.67	1.18
2.683	2.36	5.683	30.04	8.683	2.36	11.68	1.18
2.700	2.36	5.700	30.04	8.700	2.36	11.70	1.18
2.717	2.36	5.717	30.04	8.717	2.36	11.72	1.18
2.733	2.36	5.733	30.04	8.733	2.36	11.73	1.18
2.750	2.36	5.750	30.07	8.750	2.36	11.75	1.18
2.767	2.36	5.767	53.02	8.767	2.36	11.77	1.18
2.783	2.36	5.783	53.02	8.783	2.36	11.78	1.18
2.800	2.36	5.800	53.02	8.800	2.36	11.80	1.18
2.817	2.36	5.817	53.02	8.817	2.36	11.82	1.18
2.833	2.36	5.833	53.02	8.833	2.36	11.83	1.18
2.850	2.36	5.850	53.02	8.850	2.36	11.85	1.18
2.867	2.36	5.867	53.02	8.867	2.36	11.87	1.18
2.883	2.36	5.883	53.02	8.883	2.36	11.88	1.18
2.900	2.36	5.900	53.02	8.900	2.36	11.90	1.18
2.917	2.36	5.917	53.02	8.917	2.36	11.92	1.18
2.933	2.36	5.933	53.02	8.933	2.36	11.93	1.18
2.950	2.36	5.950	53.02	8.950	2.36	11.95	1.18
2.967	2.36	5.967	53.02	8.967	2.36	11.97	1.18
2.983	2.36	5.983	53.02	8.983	2.36	11.98	1.18
3.000	2.36	6.000	52.99	9.000	2.36	12.00	1.18

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.360 (i)
TIME TO PEAK (hrs)= 6.450
RUNOFF VOLUME (mm)= 13.980
TOTAL RAINFALL (mm)= 58.762
RUNOFF COEFFICIENT = 0.238

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.59	3.017	2.36	6.017	31.81	9.02	2.36
0.033	0.59	3.033	2.36	6.033	31.81	9.03	2.36
0.050	0.59	3.050	2.36	6.050	31.81	9.05	2.36
0.067	0.59	3.067	2.36	6.067	31.81	9.07	2.36
0.083	0.59	3.083	2.36	6.083	31.81	9.08	2.36
0.100	0.59	3.100	2.36	6.100	31.81	9.10	2.36
0.117	0.59	3.117	2.36	6.117	31.81	9.12	2.36
0.133	0.59	3.133	2.36	6.133	31.81	9.13	2.36
0.150	0.59	3.150	2.36	6.150	31.81	9.15	2.36
0.167	0.59	3.167	2.36	6.167	31.81	9.17	2.36
0.183	0.59	3.183	2.36	6.183	31.81	9.18	2.36
0.200	0.59	3.200	2.36	6.200	31.81	9.20	2.36
0.217	0.59	3.217	2.36	6.217	31.81	9.22	2.36
0.233	0.59	3.233	2.36	6.233	31.81	9.23	2.36
0.250	0.59	3.250	2.36	6.250	31.78	9.25	2.36
0.267	1.18	3.267	2.36	6.267	10.60	9.27	2.36
0.283	1.18	3.283	2.36	6.283	10.60	9.28	2.36
0.300	1.18	3.300	2.36	6.300	10.60	9.30	2.36
0.317	1.18	3.317	2.36	6.317	10.60	9.32	2.36
0.333	1.18	3.333	2.36	6.333	10.60	9.33	2.36
0.350	1.18	3.350	2.36	6.350	10.60	9.35	2.36
0.367	1.18	3.367	2.36	6.367	10.60	9.37	2.36
0.383	1.18	3.383	2.36	6.383	10.60	9.38	2.36
0.400	1.18	3.400	2.36	6.400	10.60	9.40	2.36
0.417	1.18	3.417	2.36	6.417	10.60	9.42	2.36
0.433	1.18	3.433	2.36	6.433	10.60	9.43	2.36
0.450	1.18	3.450	2.36	6.450	10.60	9.45	2.36
0.467	1.18	3.467	2.36	6.467	10.60	9.47	2.36
0.483	1.18	3.483	2.36	6.483	10.60	9.48	2.36
0.500	1.18	3.500	2.36	6.500	10.60	9.50	2.36
0.517	1.18	3.517	2.36	6.517	7.66	9.52	1.77
0.533	1.18	3.533	2.36	6.533	7.66	9.53	1.77
0.550	1.18	3.550	2.36	6.550	7.66	9.55	1.77
0.567	1.18	3.567	2.36	6.567	7.66	9.57	1.77
0.583	1.18	3.583	2.36	6.583	7.66	9.58	1.77
0.600	1.18	3.600	2.36	6.600	7.66	9.60	1.77

0.617	1.18	3.617	2.36	6.617	7.66	9.62	1.77
0.633	1.18	3.633	2.36	6.633	7.66	9.63	1.77
0.650	1.18	3.650	2.36	6.650	7.66	9.65	1.77
0.667	1.18	3.667	2.36	6.667	7.66	9.67	1.77
0.683	1.18	3.683	2.36	6.683	7.66	9.68	1.77
0.700	1.18	3.700	2.36	6.700	7.66	9.70	1.77
0.717	1.18	3.717	2.36	6.717	7.66	9.72	1.77
0.733	1.18	3.733	2.36	6.733	7.66	9.73	1.77
0.750	1.18	3.750	2.36	6.750	7.65	9.75	1.77
0.767	1.18	3.767	2.36	6.767	4.71	9.77	1.18
0.783	1.18	3.783	2.36	6.783	4.71	9.78	1.18
0.800	1.18	3.800	2.36	6.800	4.71	9.80	1.18
0.817	1.18	3.817	2.36	6.817	4.71	9.82	1.18
0.833	1.18	3.833	2.36	6.833	4.71	9.83	1.18
0.850	1.18	3.850	2.36	6.850	4.71	9.85	1.18
0.867	1.18	3.867	2.36	6.867	4.71	9.87	1.18
0.883	1.18	3.883	2.36	6.883	4.71	9.88	1.18
0.900	1.18	3.900	2.36	6.900	4.71	9.90	1.18
0.917	1.18	3.917	2.36	6.917	4.71	9.92	1.18
0.933	1.18	3.933	2.36	6.933	4.71	9.93	1.18
0.950	1.18	3.950	2.36	6.950	4.71	9.95	1.18
0.967	1.18	3.967	2.36	6.967	4.71	9.97	1.18
0.983	1.18	3.983	2.36	6.983	4.71	9.98	1.18
1.000	1.18	4.000	2.36	7.000	4.71	10.00	1.18
1.017	1.18	4.017	2.95	7.017	4.12	10.02	1.18
1.033	1.18	4.033	2.95	7.033	4.12	10.03	1.18
1.050	1.18	4.050	2.95	7.050	4.12	10.05	1.18
1.067	1.18	4.067	2.95	7.067	4.12	10.07	1.18
1.083	1.18	4.083	2.95	7.083	4.12	10.08	1.18
1.100	1.18	4.100	2.95	7.100	4.12	10.10	1.18
1.117	1.18	4.117	2.95	7.117	4.12	10.12	1.18
1.133	1.18	4.133	2.95	7.133	4.12	10.13	1.18
1.150	1.18	4.150	2.95	7.150	4.12	10.15	1.18
1.167	1.18	4.167	2.95	7.167	4.12	10.17	1.18
1.183	1.18	4.183	2.95	7.183	4.12	10.18	1.18
1.200	1.18	4.200	2.95	7.200	4.12	10.20	1.18
1.217	1.18	4.217	2.95	7.217	4.12	10.22	1.18
1.233	1.18	4.233	2.95	7.233	4.12	10.23	1.18
1.250	1.18	4.250	2.95	7.250	4.12	10.25	1.18
1.267	1.18	4.267	3.53	7.267	3.53	10.27	1.18
1.283	1.18	4.283	3.53	7.283	3.53	10.28	1.18
1.300	1.18	4.300	3.53	7.300	3.53	10.30	1.18
1.317	1.18	4.317	3.53	7.317	3.53	10.32	1.18
1.333	1.18	4.333	3.53	7.333	3.53	10.33	1.18
1.350	1.18	4.350	3.53	7.350	3.53	10.35	1.18
1.367	1.18	4.367	3.53	7.367	3.53	10.37	1.18
1.383	1.18	4.383	3.53	7.383	3.53	10.38	1.18
1.400	1.18	4.400	3.53	7.400	3.53	10.40	1.18
1.417	1.18	4.417	3.53	7.417	3.53	10.42	1.18
1.433	1.18	4.433	3.53	7.433	3.53	10.43	1.18
1.450	1.18	4.450	3.53	7.450	3.53	10.45	1.18
1.467	1.18	4.467	3.53	7.467	3.53	10.47	1.18
1.483	1.18	4.483	3.53	7.483	3.53	10.48	1.18
1.500	1.18	4.500	3.53	7.500	3.53	10.50	1.18
1.517	1.18	4.517	4.12	7.517	3.53	10.52	1.18
1.533	1.18	4.533	4.12	7.533	3.53	10.53	1.18
1.550	1.18	4.550	4.12	7.550	3.53	10.55	1.18
1.567	1.18	4.567	4.12	7.567	3.53	10.57	1.18
1.583	1.18	4.583	4.12	7.583	3.53	10.58	1.18
1.600	1.18	4.600	4.12	7.600	3.53	10.60	1.18
1.617	1.18	4.617	4.12	7.617	3.53	10.62	1.18
1.633	1.18	4.633	4.12	7.633	3.53	10.63	1.18
1.650	1.18	4.650	4.12	7.650	3.53	10.65	1.18
1.667	1.18	4.667	4.12	7.667	3.53	10.67	1.18
1.683	1.18	4.683	4.12	7.683	3.53	10.68	1.18
1.700	1.18	4.700	4.12	7.700	3.53	10.70	1.18
1.717	1.18	4.717	4.12	7.717	3.53	10.72	1.18
1.733	1.18	4.733	4.12	7.733	3.53	10.73	1.18
1.750	1.18	4.750	4.12	7.750	3.53	10.75	1.18
1.767	1.18	4.767	4.71	7.767	3.53	10.77	1.18
1.783	1.18	4.783	4.71	7.783	3.53	10.78	1.18
1.800	1.18	4.800	4.71	7.800	3.53	10.80	1.18
1.817	1.18	4.817	4.71	7.817	3.53	10.82	1.18
1.833	1.18	4.833	4.71	7.833	3.53	10.83	1.18
1.850	1.18	4.850	4.71	7.850	3.53	10.85	1.18
1.867	1.18	4.867	4.71	7.867	3.53	10.87	1.18
1.883	1.18	4.883	4.71	7.883	3.53	10.88	1.18
1.900	1.18	4.900	4.71	7.900	3.53	10.90	1.18
1.917	1.18	4.917	4.71	7.917	3.53	10.92	1.18
1.933	1.18	4.933	4.71	7.933	3.53	10.93	1.18
1.950	1.18	4.950	4.71	7.950	3.53	10.95	1.18
1.967	1.18	4.967	4.71	7.967	3.53	10.97	1.18
1.983	1.18	4.983	4.71	7.983	3.53	10.98	1.18
2.000	1.18	5.000	4.71	8.000	3.53	11.00	1.18

2.017	1.77	5.017	5.89	8.017	2.95	11.02	1.18
2.033	1.77	5.033	5.89	8.033	2.95	11.03	1.18
2.050	1.77	5.050	5.89	8.050	2.95	11.05	1.18
2.067	1.77	5.067	5.89	8.067	2.95	11.07	1.18
2.083	1.77	5.083	5.89	8.083	2.95	11.08	1.18
2.100	1.77	5.100	5.89	8.100	2.95	11.10	1.18
2.117	1.77	5.117	5.89	8.117	2.95	11.12	1.18
2.133	1.77	5.133	5.89	8.133	2.95	11.13	1.18
2.150	1.77	5.150	5.89	8.150	2.95	11.15	1.18
2.167	1.77	5.167	5.89	8.167	2.95	11.17	1.18
2.183	1.77	5.183	5.89	8.183	2.95	11.18	1.18
2.200	1.77	5.200	5.89	8.200	2.95	11.20	1.18
2.217	1.77	5.217	5.89	8.217	2.95	11.22	1.18
2.233	1.77	5.233	5.89	8.233	2.95	11.23	1.18
2.250	1.77	5.250	5.89	8.250	2.94	11.25	1.18
2.267	2.36	5.267	7.07	8.267	2.36	11.27	1.18
2.283	2.36	5.283	7.07	8.283	2.36	11.28	1.18
2.300	2.36	5.300	7.07	8.300	2.36	11.30	1.18
2.317	2.36	5.317	7.07	8.317	2.36	11.32	1.18
2.333	2.36	5.333	7.07	8.333	2.36	11.33	1.18
2.350	2.36	5.350	7.07	8.350	2.36	11.35	1.18
2.367	2.36	5.367	7.07	8.367	2.36	11.37	1.18
2.383	2.36	5.383	7.07	8.383	2.36	11.38	1.18
2.400	2.36	5.400	7.07	8.400	2.36	11.40	1.18
2.417	2.36	5.417	7.07	8.417	2.36	11.42	1.18
2.433	2.36	5.433	7.07	8.433	2.36	11.43	1.18
2.450	2.36	5.450	7.07	8.450	2.36	11.45	1.18
2.467	2.36	5.467	7.07	8.467	2.36	11.47	1.18
2.483	2.36	5.483	7.07	8.483	2.36	11.48	1.18
2.500	2.36	5.500	7.09	8.500	2.36	11.50	1.18
2.517	2.36	5.517	30.04	8.517	2.36	11.52	1.18
2.533	2.36	5.533	30.04	8.533	2.36	11.53	1.18
2.550	2.36	5.550	30.04	8.550	2.36	11.55	1.18
2.567	2.36	5.567	30.04	8.567	2.36	11.57	1.18
2.583	2.36	5.583	30.04	8.583	2.36	11.58	1.18
2.600	2.36	5.600	30.04	8.600	2.36	11.60	1.18
2.617	2.36	5.617	30.04	8.617	2.36	11.62	1.18
2.633	2.36	5.633	30.04	8.633	2.36	11.63	1.18
2.650	2.36	5.650	30.04	8.650	2.36	11.65	1.18
2.667	2.36	5.667	30.04	8.667	2.36	11.67	1.18
2.683	2.36	5.683	30.04	8.683	2.36	11.68	1.18
2.700	2.36	5.700	30.04	8.700	2.36	11.70	1.18
2.717	2.36	5.717	30.04	8.717	2.36	11.72	1.18
2.733	2.36	5.733	30.04	8.733	2.36	11.73	1.18
2.750	2.36	5.750	30.07	8.750	2.36	11.75	1.18
2.767	2.36	5.767	53.02	8.767	2.36	11.77	1.18
2.783	2.36	5.783	53.02	8.783	2.36	11.78	1.18
2.800	2.36	5.800	53.02	8.800	2.36	11.80	1.18
2.817	2.36	5.817	53.02	8.817	2.36	11.82	1.18
2.833	2.36	5.833	53.02	8.833	2.36	11.83	1.18
2.850	2.36	5.850	53.02	8.850	2.36	11.85	1.18
2.867	2.36	5.867	53.02	8.867	2.36	11.87	1.18
2.883	2.36	5.883	53.02	8.883	2.36	11.88	1.18
2.900	2.36	5.900	53.02	8.900	2.36	11.90	1.18
2.917	2.36	5.917	53.02	8.917	2.36	11.92	1.18
2.933	2.36	5.933	53.02	8.933	2.36	11.93	1.18
2.950	2.36	5.950	53.02	8.950	2.36	11.95	1.18
2.967	2.36	5.967	53.02	8.967	2.36	11.97	1.18
2.983	2.36	5.983	53.02	8.983	2.36	11.98	1.18
3.000	2.36	6.000	52.99	9.000	2.36	12.00	1.18

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.222 (i)
TIME TO PEAK (hrs)= 6.533
RUNOFF VOLUME (mm)= 10.219
TOTAL RAINFALL (mm)= 58.762
RUNOFF COEFFICIENT = 0.174

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
STANDHYD (0204)	Area (ha)= 0.96		
ID= 1 DT= 1.0 min	Total Imp(%)= 68.00	Dir. Conn.(%)= 47.00	
	IMPERVIOUS	PERVIOUS (i)	
Surface Area (ha)=	0.65	0.31	
Dep. Storage (mm)=	2.00	5.00	
Average Slope (%)=	1.00	2.00	
Length (m)=	267.45	40.00	
Mannings n =	0.013	0.250	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.59	3.017	2.36	6.017	31.81	9.02	2.36
0.033	0.59	3.033	2.36	6.033	31.81	9.03	2.36
0.050	0.59	3.050	2.36	6.050	31.81	9.05	2.36
0.067	0.59	3.067	2.36	6.067	31.81	9.07	2.36
0.083	0.59	3.083	2.36	6.083	31.81	9.08	2.36
0.100	0.59	3.100	2.36	6.100	31.81	9.10	2.36
0.117	0.59	3.117	2.36	6.117	31.81	9.12	2.36
0.133	0.59	3.133	2.36	6.133	31.81	9.13	2.36
0.150	0.59	3.150	2.36	6.150	31.81	9.15	2.36
0.167	0.59	3.167	2.36	6.167	31.81	9.17	2.36
0.183	0.59	3.183	2.36	6.183	31.81	9.18	2.36
0.200	0.59	3.200	2.36	6.200	31.81	9.20	2.36
0.217	0.59	3.217	2.36	6.217	31.81	9.22	2.36
0.233	0.59	3.233	2.36	6.233	31.81	9.23	2.36
0.250	0.59	3.250	2.36	6.250	31.78	9.25	2.36
0.267	1.18	3.267	2.36	6.267	10.60	9.27	2.36
0.283	1.18	3.283	2.36	6.283	10.60	9.28	2.36
0.300	1.18	3.300	2.36	6.300	10.60	9.30	2.36
0.317	1.18	3.317	2.36	6.317	10.60	9.32	2.36
0.333	1.18	3.333	2.36	6.333	10.60	9.33	2.36
0.350	1.18	3.350	2.36	6.350	10.60	9.35	2.36
0.367	1.18	3.367	2.36	6.367	10.60	9.37	2.36
0.383	1.18	3.383	2.36	6.383	10.60	9.38	2.36
0.400	1.18	3.400	2.36	6.400	10.60	9.40	2.36
0.417	1.18	3.417	2.36	6.417	10.60	9.42	2.36
0.433	1.18	3.433	2.36	6.433	10.60	9.43	2.36
0.450	1.18	3.450	2.36	6.450	10.60	9.45	2.36
0.467	1.18	3.467	2.36	6.467	10.60	9.47	2.36
0.483	1.18	3.483	2.36	6.483	10.60	9.48	2.36
0.500	1.18	3.500	2.36	6.500	10.60	9.50	2.36
0.517	1.18	3.517	2.36	6.517	7.66	9.52	1.77
0.533	1.18	3.533	2.36	6.533	7.66	9.53	1.77
0.550	1.18	3.550	2.36	6.550	7.66	9.55	1.77
0.567	1.18	3.567	2.36	6.567	7.66	9.57	1.77
0.583	1.18	3.583	2.36	6.583	7.66	9.58	1.77
0.600	1.18	3.600	2.36	6.600	7.66	9.60	1.77
0.617	1.18	3.617	2.36	6.617	7.66	9.62	1.77
0.633	1.18	3.633	2.36	6.633	7.66	9.63	1.77
0.650	1.18	3.650	2.36	6.650	7.66	9.65	1.77
0.667	1.18	3.667	2.36	6.667	7.66	9.67	1.77
0.683	1.18	3.683	2.36	6.683	7.66	9.68	1.77
0.700	1.18	3.700	2.36	6.700	7.66	9.70	1.77
0.717	1.18	3.717	2.36	6.717	7.66	9.72	1.77
0.733	1.18	3.733	2.36	6.733	7.66	9.73	1.77
0.750	1.18	3.750	2.36	6.750	7.65	9.75	1.77
0.767	1.18	3.767	2.36	6.767	4.71	9.77	1.18
0.783	1.18	3.783	2.36	6.783	4.71	9.78	1.18
0.800	1.18	3.800	2.36	6.800	4.71	9.80	1.18
0.817	1.18	3.817	2.36	6.817	4.71	9.82	1.18
0.833	1.18	3.833	2.36	6.833	4.71	9.83	1.18
0.850	1.18	3.850	2.36	6.850	4.71	9.85	1.18
0.867	1.18	3.867	2.36	6.867	4.71	9.87	1.18
0.883	1.18	3.883	2.36	6.883	4.71	9.88	1.18
0.900	1.18	3.900	2.36	6.900	4.71	9.90	1.18
0.917	1.18	3.917	2.36	6.917	4.71	9.92	1.18
0.933	1.18	3.933	2.36	6.933	4.71	9.93	1.18
0.950	1.18	3.950	2.36	6.950	4.71	9.95	1.18
0.967	1.18	3.967	2.36	6.967	4.71	9.97	1.18
0.983	1.18	3.983	2.36	6.983	4.71	9.98	1.18
1.000	1.18	4.000	2.36	7.000	4.71	10.00	1.18
1.017	1.18	4.017	2.95	7.017	4.12	10.02	1.18
1.033	1.18	4.033	2.95	7.033	4.12	10.03	1.18
1.050	1.18	4.050	2.95	7.050	4.12	10.05	1.18
1.067	1.18	4.067	2.95	7.067	4.12	10.07	1.18
1.083	1.18	4.083	2.95	7.083	4.12	10.08	1.18
1.100	1.18	4.100	2.95	7.100	4.12	10.10	1.18
1.117	1.18	4.117	2.95	7.117	4.12	10.12	1.18
1.133	1.18	4.133	2.95	7.133	4.12	10.13	1.18
1.150	1.18	4.150	2.95	7.150	4.12	10.15	1.18
1.167	1.18	4.167	2.95	7.167	4.12	10.17	1.18
1.183	1.18	4.183	2.95	7.183	4.12	10.18	1.18
1.200	1.18	4.200	2.95	7.200	4.12	10.20	1.18
1.217	1.18	4.217	2.95	7.217	4.12	10.22	1.18
1.233	1.18	4.233	2.95	7.233	4.12	10.23	1.18
1.250	1.18	4.250	2.95	7.250	4.12	10.25	1.18
1.267	1.18	4.267	3.53	7.267	3.53	10.27	1.18
1.283	1.18	4.283	3.53	7.283	3.53	10.28	1.18
1.300	1.18	4.300	3.53	7.300	3.53	10.30	1.18

1.317	1.18	4.317	3.53	7.317	3.53	10.32	1.18
1.333	1.18	4.333	3.53	7.333	3.53	10.33	1.18
1.350	1.18	4.350	3.53	7.350	3.53	10.35	1.18
1.367	1.18	4.367	3.53	7.367	3.53	10.37	1.18
1.383	1.18	4.383	3.53	7.383	3.53	10.38	1.18
1.400	1.18	4.400	3.53	7.400	3.53	10.40	1.18
1.417	1.18	4.417	3.53	7.417	3.53	10.42	1.18
1.433	1.18	4.433	3.53	7.433	3.53	10.43	1.18
1.450	1.18	4.450	3.53	7.450	3.53	10.45	1.18
1.467	1.18	4.467	3.53	7.467	3.53	10.47	1.18
1.483	1.18	4.483	3.53	7.483	3.53	10.48	1.18
1.500	1.18	4.500	3.53	7.500	3.53	10.50	1.18
1.517	1.18	4.517	4.12	7.517	3.53	10.52	1.18
1.533	1.18	4.533	4.12	7.533	3.53	10.53	1.18
1.550	1.18	4.550	4.12	7.550	3.53	10.55	1.18
1.567	1.18	4.567	4.12	7.567	3.53	10.57	1.18
1.583	1.18	4.583	4.12	7.583	3.53	10.58	1.18
1.600	1.18	4.600	4.12	7.600	3.53	10.60	1.18
1.617	1.18	4.617	4.12	7.617	3.53	10.62	1.18
1.633	1.18	4.633	4.12	7.633	3.53	10.63	1.18
1.650	1.18	4.650	4.12	7.650	3.53	10.65	1.18
1.667	1.18	4.667	4.12	7.667	3.53	10.67	1.18
1.683	1.18	4.683	4.12	7.683	3.53	10.68	1.18
1.700	1.18	4.700	4.12	7.700	3.53	10.70	1.18
1.717	1.18	4.717	4.12	7.717	3.53	10.72	1.18
1.733	1.18	4.733	4.12	7.733	3.53	10.73	1.18
1.750	1.18	4.750	4.12	7.750	3.53	10.75	1.18
1.767	1.18	4.767	4.71	7.767	3.53	10.77	1.18
1.783	1.18	4.783	4.71	7.783	3.53	10.78	1.18
1.800	1.18	4.800	4.71	7.800	3.53	10.80	1.18
1.817	1.18	4.817	4.71	7.817	3.53	10.82	1.18
1.833	1.18	4.833	4.71	7.833	3.53	10.83	1.18
1.850	1.18	4.850	4.71	7.850	3.53	10.85	1.18
1.867	1.18	4.867	4.71	7.867	3.53	10.87	1.18
1.883	1.18	4.883	4.71	7.883	3.53	10.88	1.18
1.900	1.18	4.900	4.71	7.900	3.53	10.90	1.18
1.917	1.18	4.917	4.71	7.917	3.53	10.92	1.18
1.933	1.18	4.933	4.71	7.933	3.53	10.93	1.18
1.950	1.18	4.950	4.71	7.950	3.53	10.95	1.18
1.967	1.18	4.967	4.71	7.967	3.53	10.97	1.18
1.983	1.18	4.983	4.71	7.983	3.53	10.98	1.18
2.000	1.18	5.000	4.71	8.000	3.53	11.00	1.18
2.017	1.77	5.017	5.89	8.017	2.95	11.02	1.18
2.033	1.77	5.033	5.89	8.033	2.95	11.03	1.18
2.050	1.77	5.050	5.89	8.050	2.95	11.05	1.18
2.067	1.77	5.067	5.89	8.067	2.95	11.07	1.18
2.083	1.77	5.083	5.89	8.083	2.95	11.08	1.18
2.100	1.77	5.100	5.89	8.100	2.95	11.10	1.18
2.117	1.77	5.117	5.89	8.117	2.95	11.12	1.18
2.133	1.77	5.133	5.89	8.133	2.95	11.13	1.18
2.150	1.77	5.150	5.89	8.150	2.95	11.15	1.18
2.167	1.77	5.167	5.89	8.167	2.95	11.17	1.18
2.183	1.77	5.183	5.89	8.183	2.95	11.18	1.18
2.200	1.77	5.200	5.89	8.200	2.95	11.20	1.18
2.217	1.77	5.217	5.89	8.217	2.95	11.22	1.18
2.233	1.77	5.233	5.89	8.233	2.95	11.23	1.18
2.250	1.77	5.250	5.89	8.250	2.94	11.25	1.18
2.267	2.36	5.267	7.07	8.267	2.36	11.27	1.18
2.283	2.36	5.283	7.07	8.283	2.36	11.28	1.18
2.300	2.36	5.300	7.07	8.300	2.36	11.30	1.18
2.317	2.36	5.317	7.07	8.317	2.36	11.32	1.18
2.333	2.36	5.333	7.07	8.333	2.36	11.33	1.18
2.350	2.36	5.350	7.07	8.350	2.36	11.35	1.18
2.367	2.36	5.367	7.07	8.367	2.36	11.37	1.18
2.383	2.36	5.383	7.07	8.383	2.36	11.38	1.18
2.400	2.36	5.400	7.07	8.400	2.36	11.40	1.18
2.417	2.36	5.417	7.07	8.417	2.36	11.42	1.18
2.433	2.36	5.433	7.07	8.433	2.36	11.43	1.18
2.450	2.36	5.450	7.07	8.450	2.36	11.45	1.18
2.467	2.36	5.467	7.07	8.467	2.36	11.47	1.18
2.483	2.36	5.483	7.07	8.483	2.36	11.48	1.18
2.500	2.36	5.500	7.09	8.500	2.36	11.50	1.18
2.517	2.36	5.517	30.04	8.517	2.36	11.52	1.18
2.533	2.36	5.533	30.04	8.533	2.36	11.53	1.18
2.550	2.36	5.550	30.04	8.550	2.36	11.55	1.18
2.567	2.36	5.567	30.04	8.567	2.36	11.57	1.18
2.583	2.36	5.583	30.04	8.583	2.36	11.58	1.18
2.600	2.36	5.600	30.04	8.600	2.36	11.60	1.18
2.617	2.36	5.617	30.04	8.617	2.36	11.62	1.18
2.633	2.36	5.633	30.04	8.633	2.36	11.63	1.18
2.650	2.36	5.650	30.04	8.650	2.36	11.65	1.18
2.667	2.36	5.667	30.04	8.667	2.36	11.67	1.18
2.683	2.36	5.683	30.04	8.683	2.36	11.68	1.18
2.700	2.36	5.700	30.04	8.700	2.36	11.70	1.18

2.717	2.36	5.717	30.04	8.717	2.36	11.72	1.18
2.733	2.36	5.733	30.04	8.733	2.36	11.73	1.18
2.750	2.36	5.750	30.07	8.750	2.36	11.75	1.18
2.767	2.36	5.767	53.02	8.767	2.36	11.77	1.18
2.783	2.36	5.783	53.02	8.783	2.36	11.78	1.18
2.800	2.36	5.800	53.02	8.800	2.36	11.80	1.18
2.817	2.36	5.817	53.02	8.817	2.36	11.82	1.18
2.833	2.36	5.833	53.02	8.833	2.36	11.83	1.18
2.850	2.36	5.850	53.02	8.850	2.36	11.85	1.18
2.867	2.36	5.867	53.02	8.867	2.36	11.87	1.18
2.883	2.36	5.883	53.02	8.883	2.36	11.88	1.18
2.900	2.36	5.900	53.02	8.900	2.36	11.90	1.18
2.917	2.36	5.917	53.02	8.917	2.36	11.92	1.18
2.933	2.36	5.933	53.02	8.933	2.36	11.93	1.18
2.950	2.36	5.950	53.02	8.950	2.36	11.95	1.18
2.967	2.36	5.967	53.02	8.967	2.36	11.97	1.18
2.983	2.36	5.983	53.02	8.983	2.36	11.98	1.18
3.000	2.36	6.000	52.99	9.000	2.36	12.00	1.18

Max.Eff.Inten.(mm/hr)= 53.02 27.59
over (min) 6.00 14.00
Storage Coeff. (min)= 5.94 (ii) 13.74 (ii)
Unit Hyd. Tpeak (min)= 6.00 14.00
Unit Hyd. peak (cms)= 0.19 0.08

TOTALS

PEAK FLOW (cms)= 0.06 0.02 0.075 (iii)
TIME TO PEAK (hrs)= 6.02 6.25 6.03
RUNOFF VOLUME (mm)= 56.76 16.67 35.51
TOTAL RAINFALL (mm)= 58.76 58.76 58.76
RUNOFF COEFFICIENT = 0.97 0.28 0.60

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0204):	0.96	0.075	6.03	35.51
+ ID2= 2 (0205):	14.50	0.222	6.53	10.22
=====				
ID = 3 (0017):	15.46	0.252	6.47	11.79

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 3 (0017):	15.46	0.252	6.47	11.79
+ ID2= 2 (0087):	15.86	0.360	6.45	13.98
=====				
ID = 1 (0017):	31.32	0.611	6.45	12.90

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB			
STANDHYD (0012)			
ID= 1 DT= 1.0 min	Area (ha)= 1.18		
	Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00	

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.26	0.92
Dep. Storage	(mm)=	2.00	4.60
Average slope	(%)=	1.00	2.00
Length	(m)=	88.84	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.59	3.017	2.36	6.017	31.81	9.02	2.36
0.033	0.59	3.033	2.36	6.033	31.81	9.03	2.36
0.050	0.59	3.050	2.36	6.050	31.81	9.05	2.36

0.067	0.59	3.067	2.36	6.067	31.81	9.07	2.36
0.083	0.59	3.083	2.36	6.083	31.81	9.08	2.36
0.100	0.59	3.100	2.36	6.100	31.81	9.10	2.36
0.117	0.59	3.117	2.36	6.117	31.81	9.12	2.36
0.133	0.59	3.133	2.36	6.133	31.81	9.13	2.36
0.150	0.59	3.150	2.36	6.150	31.81	9.15	2.36
0.167	0.59	3.167	2.36	6.167	31.81	9.17	2.36
0.183	0.59	3.183	2.36	6.183	31.81	9.18	2.36
0.200	0.59	3.200	2.36	6.200	31.81	9.20	2.36
0.217	0.59	3.217	2.36	6.217	31.81	9.22	2.36
0.233	0.59	3.233	2.36	6.233	31.81	9.23	2.36
0.250	0.59	3.250	2.36	6.250	31.78	9.25	2.36
0.267	1.18	3.267	2.36	6.267	10.60	9.27	2.36
0.283	1.18	3.283	2.36	6.283	10.60	9.28	2.36
0.300	1.18	3.300	2.36	6.300	10.60	9.30	2.36
0.317	1.18	3.317	2.36	6.317	10.60	9.32	2.36
0.333	1.18	3.333	2.36	6.333	10.60	9.33	2.36
0.350	1.18	3.350	2.36	6.350	10.60	9.35	2.36
0.367	1.18	3.367	2.36	6.367	10.60	9.37	2.36
0.383	1.18	3.383	2.36	6.383	10.60	9.38	2.36
0.400	1.18	3.400	2.36	6.400	10.60	9.40	2.36
0.417	1.18	3.417	2.36	6.417	10.60	9.42	2.36
0.433	1.18	3.433	2.36	6.433	10.60	9.43	2.36
0.450	1.18	3.450	2.36	6.450	10.60	9.45	2.36
0.467	1.18	3.467	2.36	6.467	10.60	9.47	2.36
0.483	1.18	3.483	2.36	6.483	10.60	9.48	2.36
0.500	1.18	3.500	2.36	6.500	10.60	9.50	2.36
0.517	1.18	3.517	2.36	6.517	7.66	9.52	1.77
0.533	1.18	3.533	2.36	6.533	7.66	9.53	1.77
0.550	1.18	3.550	2.36	6.550	7.66	9.55	1.77
0.567	1.18	3.567	2.36	6.567	7.66	9.57	1.77
0.583	1.18	3.583	2.36	6.583	7.66	9.58	1.77
0.600	1.18	3.600	2.36	6.600	7.66	9.60	1.77
0.617	1.18	3.617	2.36	6.617	7.66	9.62	1.77
0.633	1.18	3.633	2.36	6.633	7.66	9.63	1.77
0.650	1.18	3.650	2.36	6.650	7.66	9.65	1.77
0.667	1.18	3.667	2.36	6.667	7.66	9.67	1.77
0.683	1.18	3.683	2.36	6.683	7.66	9.68	1.77
0.700	1.18	3.700	2.36	6.700	7.66	9.70	1.77
0.717	1.18	3.717	2.36	6.717	7.66	9.72	1.77
0.733	1.18	3.733	2.36	6.733	7.66	9.73	1.77
0.750	1.18	3.750	2.36	6.750	7.65	9.75	1.77
0.767	1.18	3.767	2.36	6.767	4.71	9.77	1.18
0.783	1.18	3.783	2.36	6.783	4.71	9.78	1.18
0.800	1.18	3.800	2.36	6.800	4.71	9.80	1.18
0.817	1.18	3.817	2.36	6.817	4.71	9.82	1.18
0.833	1.18	3.833	2.36	6.833	4.71	9.83	1.18
0.850	1.18	3.850	2.36	6.850	4.71	9.85	1.18
0.867	1.18	3.867	2.36	6.867	4.71	9.87	1.18
0.883	1.18	3.883	2.36	6.883	4.71	9.88	1.18
0.900	1.18	3.900	2.36	6.900	4.71	9.90	1.18
0.917	1.18	3.917	2.36	6.917	4.71	9.92	1.18
0.933	1.18	3.933	2.36	6.933	4.71	9.93	1.18
0.950	1.18	3.950	2.36	6.950	4.71	9.95	1.18
0.967	1.18	3.967	2.36	6.967	4.71	9.97	1.18
0.983	1.18	3.983	2.36	6.983	4.71	9.98	1.18
1.000	1.18	4.000	2.36	7.000	4.71	10.00	1.18
1.017	1.18	4.017	2.95	7.017	4.12	10.02	1.18
1.033	1.18	4.033	2.95	7.033	4.12	10.03	1.18
1.050	1.18	4.050	2.95	7.050	4.12	10.05	1.18
1.067	1.18	4.067	2.95	7.067	4.12	10.07	1.18
1.083	1.18	4.083	2.95	7.083	4.12	10.08	1.18
1.100	1.18	4.100	2.95	7.100	4.12	10.10	1.18
1.117	1.18	4.117	2.95	7.117	4.12	10.12	1.18
1.133	1.18	4.133	2.95	7.133	4.12	10.13	1.18
1.150	1.18	4.150	2.95	7.150	4.12	10.15	1.18
1.167	1.18	4.167	2.95	7.167	4.12	10.17	1.18
1.183	1.18	4.183	2.95	7.183	4.12	10.18	1.18
1.200	1.18	4.200	2.95	7.200	4.12	10.20	1.18
1.217	1.18	4.217	2.95	7.217	4.12	10.22	1.18
1.233	1.18	4.233	2.95	7.233	4.12	10.23	1.18
1.250	1.18	4.250	2.95	7.250	4.12	10.25	1.18
1.267	1.18	4.267	3.53	7.267	3.53	10.27	1.18
1.283	1.18	4.283	3.53	7.283	3.53	10.28	1.18
1.300	1.18	4.300	3.53	7.300	3.53	10.30	1.18
1.317	1.18	4.317	3.53	7.317	3.53	10.32	1.18
1.333	1.18	4.333	3.53	7.333	3.53	10.33	1.18
1.350	1.18	4.350	3.53	7.350	3.53	10.35	1.18
1.367	1.18	4.367	3.53	7.367	3.53	10.37	1.18
1.383	1.18	4.383	3.53	7.383	3.53	10.38	1.18
1.400	1.18	4.400	3.53	7.400	3.53	10.40	1.18
1.417	1.18	4.417	3.53	7.417	3.53	10.42	1.18
1.433	1.18	4.433	3.53	7.433	3.53	10.43	1.18
1.450	1.18	4.450	3.53	7.450	3.53	10.45	1.18

1.467	1.18	4.467	3.53	7.467	3.53	10.47	1.18
1.483	1.18	4.483	3.53	7.483	3.53	10.48	1.18
1.500	1.18	4.500	3.53	7.500	3.53	10.50	1.18
1.517	1.18	4.517	4.12	7.517	3.53	10.52	1.18
1.533	1.18	4.533	4.12	7.533	3.53	10.53	1.18
1.550	1.18	4.550	4.12	7.550	3.53	10.55	1.18
1.567	1.18	4.567	4.12	7.567	3.53	10.57	1.18
1.583	1.18	4.583	4.12	7.583	3.53	10.58	1.18
1.600	1.18	4.600	4.12	7.600	3.53	10.60	1.18
1.617	1.18	4.617	4.12	7.617	3.53	10.62	1.18
1.633	1.18	4.633	4.12	7.633	3.53	10.63	1.18
1.650	1.18	4.650	4.12	7.650	3.53	10.65	1.18
1.667	1.18	4.667	4.12	7.667	3.53	10.67	1.18
1.683	1.18	4.683	4.12	7.683	3.53	10.68	1.18
1.700	1.18	4.700	4.12	7.700	3.53	10.70	1.18
1.717	1.18	4.717	4.12	7.717	3.53	10.72	1.18
1.733	1.18	4.733	4.12	7.733	3.53	10.73	1.18
1.750	1.18	4.750	4.12	7.750	3.53	10.75	1.18
1.767	1.18	4.767	4.71	7.767	3.53	10.77	1.18
1.783	1.18	4.783	4.71	7.783	3.53	10.78	1.18
1.800	1.18	4.800	4.71	7.800	3.53	10.80	1.18
1.817	1.18	4.817	4.71	7.817	3.53	10.82	1.18
1.833	1.18	4.833	4.71	7.833	3.53	10.83	1.18
1.850	1.18	4.850	4.71	7.850	3.53	10.85	1.18
1.867	1.18	4.867	4.71	7.867	3.53	10.87	1.18
1.883	1.18	4.883	4.71	7.883	3.53	10.88	1.18
1.900	1.18	4.900	4.71	7.900	3.53	10.90	1.18
1.917	1.18	4.917	4.71	7.917	3.53	10.92	1.18
1.933	1.18	4.933	4.71	7.933	3.53	10.93	1.18
1.950	1.18	4.950	4.71	7.950	3.53	10.95	1.18
1.967	1.18	4.967	4.71	7.967	3.53	10.97	1.18
1.983	1.18	4.983	4.71	7.983	3.53	10.98	1.18
2.000	1.18	5.000	4.71	8.000	3.53	11.00	1.18
2.017	1.77	5.017	5.89	8.017	2.95	11.02	1.18
2.033	1.77	5.033	5.89	8.033	2.95	11.03	1.18
2.050	1.77	5.050	5.89	8.050	2.95	11.05	1.18
2.067	1.77	5.067	5.89	8.067	2.95	11.07	1.18
2.083	1.77	5.083	5.89	8.083	2.95	11.08	1.18
2.100	1.77	5.100	5.89	8.100	2.95	11.10	1.18
2.117	1.77	5.117	5.89	8.117	2.95	11.12	1.18
2.133	1.77	5.133	5.89	8.133	2.95	11.13	1.18
2.150	1.77	5.150	5.89	8.150	2.95	11.15	1.18
2.167	1.77	5.167	5.89	8.167	2.95	11.17	1.18
2.183	1.77	5.183	5.89	8.183	2.95	11.18	1.18
2.200	1.77	5.200	5.89	8.200	2.95	11.20	1.18
2.217	1.77	5.217	5.89	8.217	2.95	11.22	1.18
2.233	1.77	5.233	5.89	8.233	2.95	11.23	1.18
2.250	1.77	5.250	5.89	8.250	2.94	11.25	1.18
2.267	2.36	5.267	7.07	8.267	2.36	11.27	1.18
2.283	2.36	5.283	7.07	8.283	2.36	11.28	1.18
2.300	2.36	5.300	7.07	8.300	2.36	11.30	1.18
2.317	2.36	5.317	7.07	8.317	2.36	11.32	1.18
2.333	2.36	5.333	7.07	8.333	2.36	11.33	1.18
2.350	2.36	5.350	7.07	8.350	2.36	11.35	1.18
2.367	2.36	5.367	7.07	8.367	2.36	11.37	1.18
2.383	2.36	5.383	7.07	8.383	2.36	11.38	1.18
2.400	2.36	5.400	7.07	8.400	2.36	11.40	1.18
2.417	2.36	5.417	7.07	8.417	2.36	11.42	1.18
2.433	2.36	5.433	7.07	8.433	2.36	11.43	1.18
2.450	2.36	5.450	7.07	8.450	2.36	11.45	1.18
2.467	2.36	5.467	7.07	8.467	2.36	11.47	1.18
2.483	2.36	5.483	7.07	8.483	2.36	11.48	1.18
2.500	2.36	5.500	7.09	8.500	2.36	11.50	1.18
2.517	2.36	5.517	30.04	8.517	2.36	11.52	1.18
2.533	2.36	5.533	30.04	8.533	2.36	11.53	1.18
2.550	2.36	5.550	30.04	8.550	2.36	11.55	1.18
2.567	2.36	5.567	30.04	8.567	2.36	11.57	1.18
2.583	2.36	5.583	30.04	8.583	2.36	11.58	1.18
2.600	2.36	5.600	30.04	8.600	2.36	11.60	1.18
2.617	2.36	5.617	30.04	8.617	2.36	11.62	1.18
2.633	2.36	5.633	30.04	8.633	2.36	11.63	1.18
2.650	2.36	5.650	30.04	8.650	2.36	11.65	1.18
2.667	2.36	5.667	30.04	8.667	2.36	11.67	1.18
2.683	2.36	5.683	30.04	8.683	2.36	11.68	1.18
2.700	2.36	5.700	30.04	8.700	2.36	11.70	1.18
2.717	2.36	5.717	30.04	8.717	2.36	11.72	1.18
2.733	2.36	5.733	30.04	8.733	2.36	11.73	1.18
2.750	2.36	5.750	30.07	8.750	2.36	11.75	1.18
2.767	2.36	5.767	53.02	8.767	2.36	11.77	1.18
2.783	2.36	5.783	53.02	8.783	2.36	11.78	1.18
2.800	2.36	5.800	53.02	8.800	2.36	11.80	1.18
2.817	2.36	5.817	53.02	8.817	2.36	11.82	1.18
2.833	2.36	5.833	53.02	8.833	2.36	11.83	1.18
2.850	2.36	5.850	53.02	8.850	2.36	11.85	1.18

2.867	2.36	5.867	53.02	8.867	2.36	11.87	1.18
2.883	2.36	5.883	53.02	8.883	2.36	11.88	1.18
2.900	2.36	5.900	53.02	8.900	2.36	11.90	1.18
2.917	2.36	5.917	53.02	8.917	2.36	11.92	1.18
2.933	2.36	5.933	53.02	8.933	2.36	11.93	1.18
2.950	2.36	5.950	53.02	8.950	2.36	11.95	1.18
2.967	2.36	5.967	53.02	8.967	2.36	11.97	1.18
2.983	2.36	5.983	53.02	8.983	2.36	11.98	1.18
3.000	2.36	6.000	52.99	9.000	2.36	12.00	1.18

Max.Eff.Inten.(mm/hr)= 53.02 9.33
over (min) 5.00 22.00
Storage Coeff. (min)= 3.07 (ii) 21.30 (ii)
Unit Hyd. Tpeak (min)= 5.00 22.00
Unit Hyd. peak (cms)= 0.30 0.05

TOTALS

PEAK FLOW (cms)= 0.04 0.02 0.046 (iii)
TIME TO PEAK (hrs)= 6.00 6.38 6.02
RUNOFF VOLUME (mm)= 56.76 10.84 20.94
TOTAL RAINFALL (mm)= 58.76 58.76 58.76
RUNOFF COEFFICIENT = 0.97 0.18 0.36

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0203)
ID= 1 DT= 1.0 min

Area (ha)= 17.16
Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.21	9.95
Dep. Storage	(mm)=	2.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	267.45	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.59	3.017	2.36	6.017	31.81	9.02	2.36
0.033	0.59	3.033	2.36	6.033	31.81	9.03	2.36
0.050	0.59	3.050	2.36	6.050	31.81	9.05	2.36
0.067	0.59	3.067	2.36	6.067	31.81	9.07	2.36
0.083	0.59	3.083	2.36	6.083	31.81	9.08	2.36
0.100	0.59	3.100	2.36	6.100	31.81	9.10	2.36
0.117	0.59	3.117	2.36	6.117	31.81	9.12	2.36
0.133	0.59	3.133	2.36	6.133	31.81	9.13	2.36
0.150	0.59	3.150	2.36	6.150	31.81	9.15	2.36
0.167	0.59	3.167	2.36	6.167	31.81	9.17	2.36
0.183	0.59	3.183	2.36	6.183	31.81	9.18	2.36
0.200	0.59	3.200	2.36	6.200	31.81	9.20	2.36
0.217	0.59	3.217	2.36	6.217	31.81	9.22	2.36
0.233	0.59	3.233	2.36	6.233	31.81	9.23	2.36
0.250	0.59	3.250	2.36	6.250	31.78	9.25	2.36
0.267	1.18	3.267	2.36	6.267	10.60	9.27	2.36
0.283	1.18	3.283	2.36	6.283	10.60	9.28	2.36
0.300	1.18	3.300	2.36	6.300	10.60	9.30	2.36
0.317	1.18	3.317	2.36	6.317	10.60	9.32	2.36
0.333	1.18	3.333	2.36	6.333	10.60	9.33	2.36
0.350	1.18	3.350	2.36	6.350	10.60	9.35	2.36
0.367	1.18	3.367	2.36	6.367	10.60	9.37	2.36
0.383	1.18	3.383	2.36	6.383	10.60	9.38	2.36
0.400	1.18	3.400	2.36	6.400	10.60	9.40	2.36
0.417	1.18	3.417	2.36	6.417	10.60	9.42	2.36
0.433	1.18	3.433	2.36	6.433	10.60	9.43	2.36
0.450	1.18	3.450	2.36	6.450	10.60	9.45	2.36
0.467	1.18	3.467	2.36	6.467	10.60	9.47	2.36
0.483	1.18	3.483	2.36	6.483	10.60	9.48	2.36
0.500	1.18	3.500	2.36	6.500	10.60	9.50	2.36
0.517	1.18	3.517	2.36	6.517	7.66	9.52	1.77
0.533	1.18	3.533	2.36	6.533	7.66	9.53	1.77
0.550	1.18	3.550	2.36	6.550	7.66	9.55	1.77
0.567	1.18	3.567	2.36	6.567	7.66	9.57	1.77
0.583	1.18	3.583	2.36	6.583	7.66	9.58	1.77
0.600	1.18	3.600	2.36	6.600	7.66	9.60	1.77

0.617	1.18	3.617	2.36	6.617	7.66	9.62	1.77
0.633	1.18	3.633	2.36	6.633	7.66	9.63	1.77
0.650	1.18	3.650	2.36	6.650	7.66	9.65	1.77
0.667	1.18	3.667	2.36	6.667	7.66	9.67	1.77
0.683	1.18	3.683	2.36	6.683	7.66	9.68	1.77
0.700	1.18	3.700	2.36	6.700	7.66	9.70	1.77
0.717	1.18	3.717	2.36	6.717	7.66	9.72	1.77
0.733	1.18	3.733	2.36	6.733	7.66	9.73	1.77
0.750	1.18	3.750	2.36	6.750	7.65	9.75	1.77
0.767	1.18	3.767	2.36	6.767	4.71	9.77	1.18
0.783	1.18	3.783	2.36	6.783	4.71	9.78	1.18
0.800	1.18	3.800	2.36	6.800	4.71	9.80	1.18
0.817	1.18	3.817	2.36	6.817	4.71	9.82	1.18
0.833	1.18	3.833	2.36	6.833	4.71	9.83	1.18
0.850	1.18	3.850	2.36	6.850	4.71	9.85	1.18
0.867	1.18	3.867	2.36	6.867	4.71	9.87	1.18
0.883	1.18	3.883	2.36	6.883	4.71	9.88	1.18
0.900	1.18	3.900	2.36	6.900	4.71	9.90	1.18
0.917	1.18	3.917	2.36	6.917	4.71	9.92	1.18
0.933	1.18	3.933	2.36	6.933	4.71	9.93	1.18
0.950	1.18	3.950	2.36	6.950	4.71	9.95	1.18
0.967	1.18	3.967	2.36	6.967	4.71	9.97	1.18
0.983	1.18	3.983	2.36	6.983	4.71	9.98	1.18
1.000	1.18	4.000	2.36	7.000	4.71	10.00	1.18
1.017	1.18	4.017	2.95	7.017	4.12	10.02	1.18
1.033	1.18	4.033	2.95	7.033	4.12	10.03	1.18
1.050	1.18	4.050	2.95	7.050	4.12	10.05	1.18
1.067	1.18	4.067	2.95	7.067	4.12	10.07	1.18
1.083	1.18	4.083	2.95	7.083	4.12	10.08	1.18
1.100	1.18	4.100	2.95	7.100	4.12	10.10	1.18
1.117	1.18	4.117	2.95	7.117	4.12	10.12	1.18
1.133	1.18	4.133	2.95	7.133	4.12	10.13	1.18
1.150	1.18	4.150	2.95	7.150	4.12	10.15	1.18
1.167	1.18	4.167	2.95	7.167	4.12	10.17	1.18
1.183	1.18	4.183	2.95	7.183	4.12	10.18	1.18
1.200	1.18	4.200	2.95	7.200	4.12	10.20	1.18
1.217	1.18	4.217	2.95	7.217	4.12	10.22	1.18
1.233	1.18	4.233	2.95	7.233	4.12	10.23	1.18
1.250	1.18	4.250	2.95	7.250	4.12	10.25	1.18
1.267	1.18	4.267	3.53	7.267	3.53	10.27	1.18
1.283	1.18	4.283	3.53	7.283	3.53	10.28	1.18
1.300	1.18	4.300	3.53	7.300	3.53	10.30	1.18
1.317	1.18	4.317	3.53	7.317	3.53	10.32	1.18
1.333	1.18	4.333	3.53	7.333	3.53	10.33	1.18
1.350	1.18	4.350	3.53	7.350	3.53	10.35	1.18
1.367	1.18	4.367	3.53	7.367	3.53	10.37	1.18
1.383	1.18	4.383	3.53	7.383	3.53	10.38	1.18
1.400	1.18	4.400	3.53	7.400	3.53	10.40	1.18
1.417	1.18	4.417	3.53	7.417	3.53	10.42	1.18
1.433	1.18	4.433	3.53	7.433	3.53	10.43	1.18
1.450	1.18	4.450	3.53	7.450	3.53	10.45	1.18
1.467	1.18	4.467	3.53	7.467	3.53	10.47	1.18
1.483	1.18	4.483	3.53	7.483	3.53	10.48	1.18
1.500	1.18	4.500	3.53	7.500	3.53	10.50	1.18
1.517	1.18	4.517	4.12	7.517	3.53	10.52	1.18
1.533	1.18	4.533	4.12	7.533	3.53	10.53	1.18
1.550	1.18	4.550	4.12	7.550	3.53	10.55	1.18
1.567	1.18	4.567	4.12	7.567	3.53	10.57	1.18
1.583	1.18	4.583	4.12	7.583	3.53	10.58	1.18
1.600	1.18	4.600	4.12	7.600	3.53	10.60	1.18
1.617	1.18	4.617	4.12	7.617	3.53	10.62	1.18
1.633	1.18	4.633	4.12	7.633	3.53	10.63	1.18
1.650	1.18	4.650	4.12	7.650	3.53	10.65	1.18
1.667	1.18	4.667	4.12	7.667	3.53	10.67	1.18
1.683	1.18	4.683	4.12	7.683	3.53	10.68	1.18
1.700	1.18	4.700	4.12	7.700	3.53	10.70	1.18
1.717	1.18	4.717	4.12	7.717	3.53	10.72	1.18
1.733	1.18	4.733	4.12	7.733	3.53	10.73	1.18
1.750	1.18	4.750	4.12	7.750	3.53	10.75	1.18
1.767	1.18	4.767	4.71	7.767	3.53	10.77	1.18
1.783	1.18	4.783	4.71	7.783	3.53	10.78	1.18
1.800	1.18	4.800	4.71	7.800	3.53	10.80	1.18
1.817	1.18	4.817	4.71	7.817	3.53	10.82	1.18
1.833	1.18	4.833	4.71	7.833	3.53	10.83	1.18
1.850	1.18	4.850	4.71	7.850	3.53	10.85	1.18
1.867	1.18	4.867	4.71	7.867	3.53	10.87	1.18
1.883	1.18	4.883	4.71	7.883	3.53	10.88	1.18
1.900	1.18	4.900	4.71	7.900	3.53	10.90	1.18
1.917	1.18	4.917	4.71	7.917	3.53	10.92	1.18
1.933	1.18	4.933	4.71	7.933	3.53	10.93	1.18
1.950	1.18	4.950	4.71	7.950	3.53	10.95	1.18
1.967	1.18	4.967	4.71	7.967	3.53	10.97	1.18
1.983	1.18	4.983	4.71	7.983	3.53	10.98	1.18
2.000	1.18	5.000	4.71	8.000	3.53	11.00	1.18

2.017	1.77	5.017	5.89	8.017	2.95	11.02	1.18
2.033	1.77	5.033	5.89	8.033	2.95	11.03	1.18
2.050	1.77	5.050	5.89	8.050	2.95	11.05	1.18
2.067	1.77	5.067	5.89	8.067	2.95	11.07	1.18
2.083	1.77	5.083	5.89	8.083	2.95	11.08	1.18
2.100	1.77	5.100	5.89	8.100	2.95	11.10	1.18
2.117	1.77	5.117	5.89	8.117	2.95	11.12	1.18
2.133	1.77	5.133	5.89	8.133	2.95	11.13	1.18
2.150	1.77	5.150	5.89	8.150	2.95	11.15	1.18
2.167	1.77	5.167	5.89	8.167	2.95	11.17	1.18
2.183	1.77	5.183	5.89	8.183	2.95	11.18	1.18
2.200	1.77	5.200	5.89	8.200	2.95	11.20	1.18
2.217	1.77	5.217	5.89	8.217	2.95	11.22	1.18
2.233	1.77	5.233	5.89	8.233	2.95	11.23	1.18
2.250	1.77	5.250	5.89	8.250	2.94	11.25	1.18
2.267	2.36	5.267	7.07	8.267	2.36	11.27	1.18
2.283	2.36	5.283	7.07	8.283	2.36	11.28	1.18
2.300	2.36	5.300	7.07	8.300	2.36	11.30	1.18
2.317	2.36	5.317	7.07	8.317	2.36	11.32	1.18
2.333	2.36	5.333	7.07	8.333	2.36	11.33	1.18
2.350	2.36	5.350	7.07	8.350	2.36	11.35	1.18
2.367	2.36	5.367	7.07	8.367	2.36	11.37	1.18
2.383	2.36	5.383	7.07	8.383	2.36	11.38	1.18
2.400	2.36	5.400	7.07	8.400	2.36	11.40	1.18
2.417	2.36	5.417	7.07	8.417	2.36	11.42	1.18
2.433	2.36	5.433	7.07	8.433	2.36	11.43	1.18
2.450	2.36	5.450	7.07	8.450	2.36	11.45	1.18
2.467	2.36	5.467	7.07	8.467	2.36	11.47	1.18
2.483	2.36	5.483	7.07	8.483	2.36	11.48	1.18
2.500	2.36	5.500	7.09	8.500	2.36	11.50	1.18
2.517	2.36	5.517	30.04	8.517	2.36	11.52	1.18
2.533	2.36	5.533	30.04	8.533	2.36	11.53	1.18
2.550	2.36	5.550	30.04	8.550	2.36	11.55	1.18
2.567	2.36	5.567	30.04	8.567	2.36	11.57	1.18
2.583	2.36	5.583	30.04	8.583	2.36	11.58	1.18
2.600	2.36	5.600	30.04	8.600	2.36	11.60	1.18
2.617	2.36	5.617	30.04	8.617	2.36	11.62	1.18
2.633	2.36	5.633	30.04	8.633	2.36	11.63	1.18
2.650	2.36	5.650	30.04	8.650	2.36	11.65	1.18
2.667	2.36	5.667	30.04	8.667	2.36	11.67	1.18
2.683	2.36	5.683	30.04	8.683	2.36	11.68	1.18
2.700	2.36	5.700	30.04	8.700	2.36	11.70	1.18
2.717	2.36	5.717	30.04	8.717	2.36	11.72	1.18
2.733	2.36	5.733	30.04	8.733	2.36	11.73	1.18
2.750	2.36	5.750	30.07	8.750	2.36	11.75	1.18
2.767	2.36	5.767	53.02	8.767	2.36	11.77	1.18
2.783	2.36	5.783	53.02	8.783	2.36	11.78	1.18
2.800	2.36	5.800	53.02	8.800	2.36	11.80	1.18
2.817	2.36	5.817	53.02	8.817	2.36	11.82	1.18
2.833	2.36	5.833	53.02	8.833	2.36	11.83	1.18
2.850	2.36	5.850	53.02	8.850	2.36	11.85	1.18
2.867	2.36	5.867	53.02	8.867	2.36	11.87	1.18
2.883	2.36	5.883	53.02	8.883	2.36	11.88	1.18
2.900	2.36	5.900	53.02	8.900	2.36	11.90	1.18
2.917	2.36	5.917	53.02	8.917	2.36	11.92	1.18
2.933	2.36	5.933	53.02	8.933	2.36	11.93	1.18
2.950	2.36	5.950	53.02	8.950	2.36	11.95	1.18
2.967	2.36	5.967	53.02	8.967	2.36	11.97	1.18
2.983	2.36	5.983	53.02	8.983	2.36	11.98	1.18
3.000	2.36	6.000	52.99	9.000	2.36	12.00	1.18

Max.Eff.Inten.(mm/hr)= 53.02 13.86
over (min) 6.00 22.00
Storage Coeff. (min)= 5.94 (ii) 21.50 (ii)
Unit Hyd. Tpeak (min)= 6.00 22.00
Unit Hyd. peak (cms)= 0.19 0.05

TOTALS
0.844 (iii)

PEAK FLOW (cms)= 0.71 0.26
TIME TO PEAK (hrs)= 6.02 6.38 6.03
RUNOFF VOLUME (mm)= 56.76 12.75 25.96
TOTAL RAINFALL (mm)= 58.76 58.76 58.76
RUNOFF COEFFICIENT = 0.97 0.22 0.44

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

1 + 2 = 3	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0012):	1.18	0.046	6.02	20.94
+ ID2= 2 (0203):	17.16	0.844	6.03	25.96
=====				
ID = 3 (0082):	18.34	0.889	6.03	25.63

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002) IN= 2---> OUT= 1 DT= 5.0 min	OVERFLOW IS OFF			
	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	0.0940	0.3600
	0.0120	0.2100	0.1210	0.4000
	0.0550	0.2600	0.1500	0.4500
	0.0620	0.3000	0.3000	0.7210

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0082)	18.340	0.889	6.03	25.63
OUTFLOW: ID= 1 (0002)	18.340	0.084	8.42	17.05

PEAK FLOW REDUCTION [Qout/Qin](%)= 9.43
TIME SHIFT OF PEAK FLOW (min)=143.00
MAXIMUM STORAGE USED (ha.m.)= 0.3409

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089) 1 + 2 = 3	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0017):	31.32	0.611	6.45	12.90
+ ID2= 2 (0002):	18.34	0.084	8.42	17.05
=====				
ID = 3 (0089):	49.66	0.667	6.47	14.43

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:3.3 SCS II 12hr 10yr **

CALIB NASHYD (0087) ID= 1 DT= 1.0 min	Area (ha)= 15.86	Curve Number (CN)= 62.0
	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00
	U.H. Tp(hrs)= 0.40	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.68	3.017	2.71	6.017	36.54	9.02	2.71
0.033	0.68	3.033	2.71	6.033	36.54	9.03	2.71
0.050	0.68	3.050	2.71	6.050	36.54	9.05	2.71
0.067	0.68	3.067	2.71	6.067	36.54	9.07	2.71
0.083	0.68	3.083	2.71	6.083	36.54	9.08	2.71
0.100	0.68	3.100	2.71	6.100	36.54	9.10	2.71
0.117	0.68	3.117	2.71	6.117	36.54	9.12	2.71
0.133	0.68	3.133	2.71	6.133	36.54	9.13	2.71
0.150	0.68	3.150	2.71	6.150	36.54	9.15	2.71
0.167	0.68	3.167	2.71	6.167	36.54	9.17	2.71
0.183	0.68	3.183	2.71	6.183	36.54	9.18	2.71
0.200	0.68	3.200	2.71	6.200	36.54	9.20	2.71
0.217	0.68	3.217	2.71	6.217	36.54	9.22	2.71
0.233	0.68	3.233	2.71	6.233	36.54	9.23	2.71
0.250	0.68	3.250	2.71	6.250	36.50	9.25	2.71
0.267	1.35	3.267	2.71	6.267	12.18	9.27	2.71
0.283	1.35	3.283	2.71	6.283	12.18	9.28	2.71
0.300	1.35	3.300	2.71	6.300	12.18	9.30	2.71
0.317	1.35	3.317	2.71	6.317	12.18	9.32	2.71
0.333	1.35	3.333	2.71	6.333	12.18	9.33	2.71
0.350	1.35	3.350	2.71	6.350	12.18	9.35	2.71
0.367	1.35	3.367	2.71	6.367	12.18	9.37	2.71
0.383	1.35	3.383	2.71	6.383	12.18	9.38	2.71
0.400	1.35	3.400	2.71	6.400	12.18	9.40	2.71
0.417	1.35	3.417	2.71	6.417	12.18	9.42	2.71
0.433	1.35	3.433	2.71	6.433	12.18	9.43	2.71
0.450	1.35	3.450	2.71	6.450	12.18	9.45	2.71

0.467	1.35	3.467	2.71	6.467	12.18	9.47	2.71
0.483	1.35	3.483	2.71	6.483	12.18	9.48	2.71
0.500	1.35	3.500	2.71	6.500	12.17	9.50	2.71
0.517	1.35	3.517	2.71	6.517	8.80	9.52	2.03
0.533	1.35	3.533	2.71	6.533	8.80	9.53	2.03
0.550	1.35	3.550	2.71	6.550	8.80	9.55	2.03
0.567	1.35	3.567	2.71	6.567	8.80	9.57	2.03
0.583	1.35	3.583	2.71	6.583	8.80	9.58	2.03
0.600	1.35	3.600	2.71	6.600	8.80	9.60	2.03
0.617	1.35	3.617	2.71	6.617	8.80	9.62	2.03
0.633	1.35	3.633	2.71	6.633	8.80	9.63	2.03
0.650	1.35	3.650	2.71	6.650	8.80	9.65	2.03
0.667	1.35	3.667	2.71	6.667	8.80	9.67	2.03
0.683	1.35	3.683	2.71	6.683	8.80	9.68	2.03
0.700	1.35	3.700	2.71	6.700	8.80	9.70	2.03
0.717	1.35	3.717	2.71	6.717	8.80	9.72	2.03
0.733	1.35	3.733	2.71	6.733	8.80	9.73	2.03
0.750	1.35	3.750	2.71	6.750	8.79	9.75	2.03
0.767	1.35	3.767	2.71	6.767	5.41	9.77	1.35
0.783	1.35	3.783	2.71	6.783	5.41	9.78	1.35
0.800	1.35	3.800	2.71	6.800	5.41	9.80	1.35
0.817	1.35	3.817	2.71	6.817	5.41	9.82	1.35
0.833	1.35	3.833	2.71	6.833	5.41	9.83	1.35
0.850	1.35	3.850	2.71	6.850	5.41	9.85	1.35
0.867	1.35	3.867	2.71	6.867	5.41	9.87	1.35
0.883	1.35	3.883	2.71	6.883	5.41	9.88	1.35
0.900	1.35	3.900	2.71	6.900	5.41	9.90	1.35
0.917	1.35	3.917	2.71	6.917	5.41	9.92	1.35
0.933	1.35	3.933	2.71	6.933	5.41	9.93	1.35
0.950	1.35	3.950	2.71	6.950	5.41	9.95	1.35
0.967	1.35	3.967	2.71	6.967	5.41	9.97	1.35
0.983	1.35	3.983	2.71	6.983	5.41	9.98	1.35
1.000	1.35	4.000	2.71	7.000	5.41	10.00	1.35
1.017	1.35	4.017	3.38	7.017	4.74	10.02	1.35
1.033	1.35	4.033	3.38	7.033	4.74	10.03	1.35
1.050	1.35	4.050	3.38	7.050	4.74	10.05	1.35
1.067	1.35	4.067	3.38	7.067	4.74	10.07	1.35
1.083	1.35	4.083	3.38	7.083	4.74	10.08	1.35
1.100	1.35	4.100	3.38	7.100	4.74	10.10	1.35
1.117	1.35	4.117	3.38	7.117	4.74	10.12	1.35
1.133	1.35	4.133	3.38	7.133	4.74	10.13	1.35
1.150	1.35	4.150	3.38	7.150	4.74	10.15	1.35
1.167	1.35	4.167	3.38	7.167	4.74	10.17	1.35
1.183	1.35	4.183	3.38	7.183	4.74	10.18	1.35
1.200	1.35	4.200	3.38	7.200	4.74	10.20	1.35
1.217	1.35	4.217	3.38	7.217	4.74	10.22	1.35
1.233	1.35	4.233	3.38	7.233	4.74	10.23	1.35
1.250	1.35	4.250	3.38	7.250	4.74	10.25	1.35
1.267	1.35	4.267	4.06	7.267	4.06	10.27	1.35
1.283	1.35	4.283	4.06	7.283	4.06	10.28	1.35
1.300	1.35	4.300	4.06	7.300	4.06	10.30	1.35
1.317	1.35	4.317	4.06	7.317	4.06	10.32	1.35
1.333	1.35	4.333	4.06	7.333	4.06	10.33	1.35
1.350	1.35	4.350	4.06	7.350	4.06	10.35	1.35
1.367	1.35	4.367	4.06	7.367	4.06	10.37	1.35
1.383	1.35	4.383	4.06	7.383	4.06	10.38	1.35
1.400	1.35	4.400	4.06	7.400	4.06	10.40	1.35
1.417	1.35	4.417	4.06	7.417	4.06	10.42	1.35
1.433	1.35	4.433	4.06	7.433	4.06	10.43	1.35
1.450	1.35	4.450	4.06	7.450	4.06	10.45	1.35
1.467	1.35	4.467	4.06	7.467	4.06	10.47	1.35
1.483	1.35	4.483	4.06	7.483	4.06	10.48	1.35
1.500	1.35	4.500	4.06	7.500	4.06	10.50	1.35
1.517	1.35	4.517	4.74	7.517	4.06	10.52	1.35
1.533	1.35	4.533	4.74	7.533	4.06	10.53	1.35
1.550	1.35	4.550	4.74	7.550	4.06	10.55	1.35
1.567	1.35	4.567	4.74	7.567	4.06	10.57	1.35
1.583	1.35	4.583	4.74	7.583	4.06	10.58	1.35
1.600	1.35	4.600	4.74	7.600	4.06	10.60	1.35
1.617	1.35	4.617	4.74	7.617	4.06	10.62	1.35
1.633	1.35	4.633	4.74	7.633	4.06	10.63	1.35
1.650	1.35	4.650	4.74	7.650	4.06	10.65	1.35
1.667	1.35	4.667	4.74	7.667	4.06	10.67	1.35
1.683	1.35	4.683	4.74	7.683	4.06	10.68	1.35
1.700	1.35	4.700	4.74	7.700	4.06	10.70	1.35
1.717	1.35	4.717	4.74	7.717	4.06	10.72	1.35
1.733	1.35	4.733	4.74	7.733	4.06	10.73	1.35
1.750	1.35	4.750	4.74	7.750	4.06	10.75	1.35
1.767	1.35	4.767	5.41	7.767	4.06	10.77	1.35
1.783	1.35	4.783	5.41	7.783	4.06	10.78	1.35
1.800	1.35	4.800	5.41	7.800	4.06	10.80	1.35
1.817	1.35	4.817	5.41	7.817	4.06	10.82	1.35
1.833	1.35	4.833	5.41	7.833	4.06	10.83	1.35
1.850	1.35	4.850	5.41	7.850	4.06	10.85	1.35

1.867	1.35	4.867	5.41	7.867	4.06	10.87	1.35
1.883	1.35	4.883	5.41	7.883	4.06	10.88	1.35
1.900	1.35	4.900	5.41	7.900	4.06	10.90	1.35
1.917	1.35	4.917	5.41	7.917	4.06	10.92	1.35
1.933	1.35	4.933	5.41	7.933	4.06	10.93	1.35
1.950	1.35	4.950	5.41	7.950	4.06	10.95	1.35
1.967	1.35	4.967	5.41	7.967	4.06	10.97	1.35
1.983	1.35	4.983	5.41	7.983	4.06	10.98	1.35
2.000	1.35	5.000	5.41	8.000	4.06	11.00	1.35
2.017	2.03	5.017	6.77	8.017	3.38	11.02	1.35
2.033	2.03	5.033	6.77	8.033	3.38	11.03	1.35
2.050	2.03	5.050	6.77	8.050	3.38	11.05	1.35
2.067	2.03	5.067	6.77	8.067	3.38	11.07	1.35
2.083	2.03	5.083	6.77	8.083	3.38	11.08	1.35
2.100	2.03	5.100	6.77	8.100	3.38	11.10	1.35
2.117	2.03	5.117	6.77	8.117	3.38	11.12	1.35
2.133	2.03	5.133	6.77	8.133	3.38	11.13	1.35
2.150	2.03	5.150	6.77	8.150	3.38	11.15	1.35
2.167	2.03	5.167	6.77	8.167	3.38	11.17	1.35
2.183	2.03	5.183	6.77	8.183	3.38	11.18	1.35
2.200	2.03	5.200	6.77	8.200	3.38	11.20	1.35
2.217	2.03	5.217	6.77	8.217	3.38	11.22	1.35
2.233	2.03	5.233	6.77	8.233	3.38	11.23	1.35
2.250	2.03	5.250	6.77	8.250	3.38	11.25	1.35
2.267	2.71	5.267	8.12	8.267	2.71	11.27	1.35
2.283	2.71	5.283	8.12	8.283	2.71	11.28	1.35
2.300	2.71	5.300	8.12	8.300	2.71	11.30	1.35
2.317	2.71	5.317	8.12	8.317	2.71	11.32	1.35
2.333	2.71	5.333	8.12	8.333	2.71	11.33	1.35
2.350	2.71	5.350	8.12	8.350	2.71	11.35	1.35
2.367	2.71	5.367	8.12	8.367	2.71	11.37	1.35
2.383	2.71	5.383	8.12	8.383	2.71	11.38	1.35
2.400	2.71	5.400	8.12	8.400	2.71	11.40	1.35
2.417	2.71	5.417	8.12	8.417	2.71	11.42	1.35
2.433	2.71	5.433	8.12	8.433	2.71	11.43	1.35
2.450	2.71	5.450	8.12	8.450	2.71	11.45	1.35
2.467	2.71	5.467	8.12	8.467	2.71	11.47	1.35
2.483	2.71	5.483	8.12	8.483	2.71	11.48	1.35
2.500	2.71	5.500	8.15	8.500	2.71	11.50	1.35
2.517	2.71	5.517	34.51	8.517	2.71	11.52	1.35
2.533	2.71	5.533	34.51	8.533	2.71	11.53	1.35
2.550	2.71	5.550	34.51	8.550	2.71	11.55	1.35
2.567	2.71	5.567	34.51	8.567	2.71	11.57	1.35
2.583	2.71	5.583	34.51	8.583	2.71	11.58	1.35
2.600	2.71	5.600	34.51	8.600	2.71	11.60	1.35
2.617	2.71	5.617	34.51	8.617	2.71	11.62	1.35
2.633	2.71	5.633	34.51	8.633	2.71	11.63	1.35
2.650	2.71	5.650	34.51	8.650	2.71	11.65	1.35
2.667	2.71	5.667	34.51	8.667	2.71	11.67	1.35
2.683	2.71	5.683	34.51	8.683	2.71	11.68	1.35
2.700	2.71	5.700	34.51	8.700	2.71	11.70	1.35
2.717	2.71	5.717	34.51	8.717	2.71	11.72	1.35
2.733	2.71	5.733	34.51	8.733	2.71	11.73	1.35
2.750	2.71	5.750	34.54	8.750	2.71	11.75	1.35
2.767	2.71	5.767	60.90	8.767	2.71	11.77	1.35
2.783	2.71	5.783	60.90	8.783	2.71	11.78	1.35
2.800	2.71	5.800	60.90	8.800	2.71	11.80	1.35
2.817	2.71	5.817	60.90	8.817	2.71	11.82	1.35
2.833	2.71	5.833	60.90	8.833	2.71	11.83	1.35
2.850	2.71	5.850	60.90	8.850	2.71	11.85	1.35
2.867	2.71	5.867	60.90	8.867	2.71	11.87	1.35
2.883	2.71	5.883	60.90	8.883	2.71	11.88	1.35
2.900	2.71	5.900	60.90	8.900	2.71	11.90	1.35
2.917	2.71	5.917	60.90	8.917	2.71	11.92	1.35
2.933	2.71	5.933	60.90	8.933	2.71	11.93	1.35
2.950	2.71	5.950	60.90	8.950	2.71	11.95	1.35
2.967	2.71	5.967	60.90	8.967	2.71	11.97	1.35
2.983	2.71	5.983	60.90	8.983	2.71	11.98	1.35
3.000	2.71	6.000	60.87	9.000	2.71	12.00	1.35

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.468 (i)
TIME TO PEAK (hrs)= 6.450
RUNOFF VOLUME (mm)= 18.101
TOTAL RAINFALL (mm)= 67.500
RUNOFF COEFFICIENT = 0.268

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	

ID= 1 DT= 1.0 min | Ia (mm)= 10.00 # of Linear Res.(N)= 3.00
 ----- U.H. Tp(hrs)= 0.44

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.68	3.017	2.71	6.017	36.54	9.02	2.71
0.033	0.68	3.033	2.71	6.033	36.54	9.03	2.71
0.050	0.68	3.050	2.71	6.050	36.54	9.05	2.71
0.067	0.68	3.067	2.71	6.067	36.54	9.07	2.71
0.083	0.68	3.083	2.71	6.083	36.54	9.08	2.71
0.100	0.68	3.100	2.71	6.100	36.54	9.10	2.71
0.117	0.68	3.117	2.71	6.117	36.54	9.12	2.71
0.133	0.68	3.133	2.71	6.133	36.54	9.13	2.71
0.150	0.68	3.150	2.71	6.150	36.54	9.15	2.71
0.167	0.68	3.167	2.71	6.167	36.54	9.17	2.71
0.183	0.68	3.183	2.71	6.183	36.54	9.18	2.71
0.200	0.68	3.200	2.71	6.200	36.54	9.20	2.71
0.217	0.68	3.217	2.71	6.217	36.54	9.22	2.71
0.233	0.68	3.233	2.71	6.233	36.54	9.23	2.71
0.250	0.68	3.250	2.71	6.250	36.50	9.25	2.71
0.267	1.35	3.267	2.71	6.267	12.18	9.27	2.71
0.283	1.35	3.283	2.71	6.283	12.18	9.28	2.71
0.300	1.35	3.300	2.71	6.300	12.18	9.30	2.71
0.317	1.35	3.317	2.71	6.317	12.18	9.32	2.71
0.333	1.35	3.333	2.71	6.333	12.18	9.33	2.71
0.350	1.35	3.350	2.71	6.350	12.18	9.35	2.71
0.367	1.35	3.367	2.71	6.367	12.18	9.37	2.71
0.383	1.35	3.383	2.71	6.383	12.18	9.38	2.71
0.400	1.35	3.400	2.71	6.400	12.18	9.40	2.71
0.417	1.35	3.417	2.71	6.417	12.18	9.42	2.71
0.433	1.35	3.433	2.71	6.433	12.18	9.43	2.71
0.450	1.35	3.450	2.71	6.450	12.18	9.45	2.71
0.467	1.35	3.467	2.71	6.467	12.18	9.47	2.71
0.483	1.35	3.483	2.71	6.483	12.18	9.48	2.71
0.500	1.35	3.500	2.71	6.500	12.17	9.50	2.71
0.517	1.35	3.517	2.71	6.517	8.80	9.52	2.03
0.533	1.35	3.533	2.71	6.533	8.80	9.53	2.03
0.550	1.35	3.550	2.71	6.550	8.80	9.55	2.03
0.567	1.35	3.567	2.71	6.567	8.80	9.57	2.03
0.583	1.35	3.583	2.71	6.583	8.80	9.58	2.03
0.600	1.35	3.600	2.71	6.600	8.80	9.60	2.03
0.617	1.35	3.617	2.71	6.617	8.80	9.62	2.03
0.633	1.35	3.633	2.71	6.633	8.80	9.63	2.03
0.650	1.35	3.650	2.71	6.650	8.80	9.65	2.03
0.667	1.35	3.667	2.71	6.667	8.80	9.67	2.03
0.683	1.35	3.683	2.71	6.683	8.80	9.68	2.03
0.700	1.35	3.700	2.71	6.700	8.80	9.70	2.03
0.717	1.35	3.717	2.71	6.717	8.80	9.72	2.03
0.733	1.35	3.733	2.71	6.733	8.80	9.73	2.03
0.750	1.35	3.750	2.71	6.750	8.79	9.75	2.03
0.767	1.35	3.767	2.71	6.767	5.41	9.77	1.35
0.783	1.35	3.783	2.71	6.783	5.41	9.78	1.35
0.800	1.35	3.800	2.71	6.800	5.41	9.80	1.35
0.817	1.35	3.817	2.71	6.817	5.41	9.82	1.35
0.833	1.35	3.833	2.71	6.833	5.41	9.83	1.35
0.850	1.35	3.850	2.71	6.850	5.41	9.85	1.35
0.867	1.35	3.867	2.71	6.867	5.41	9.87	1.35
0.883	1.35	3.883	2.71	6.883	5.41	9.88	1.35
0.900	1.35	3.900	2.71	6.900	5.41	9.90	1.35
0.917	1.35	3.917	2.71	6.917	5.41	9.92	1.35
0.933	1.35	3.933	2.71	6.933	5.41	9.93	1.35
0.950	1.35	3.950	2.71	6.950	5.41	9.95	1.35
0.967	1.35	3.967	2.71	6.967	5.41	9.97	1.35
0.983	1.35	3.983	2.71	6.983	5.41	9.98	1.35
1.000	1.35	4.000	2.71	7.000	5.41	10.00	1.35
1.017	1.35	4.017	3.38	7.017	4.74	10.02	1.35
1.033	1.35	4.033	3.38	7.033	4.74	10.03	1.35
1.050	1.35	4.050	3.38	7.050	4.74	10.05	1.35
1.067	1.35	4.067	3.38	7.067	4.74	10.07	1.35
1.083	1.35	4.083	3.38	7.083	4.74	10.08	1.35
1.100	1.35	4.100	3.38	7.100	4.74	10.10	1.35
1.117	1.35	4.117	3.38	7.117	4.74	10.12	1.35
1.133	1.35	4.133	3.38	7.133	4.74	10.13	1.35
1.150	1.35	4.150	3.38	7.150	4.74	10.15	1.35
1.167	1.35	4.167	3.38	7.167	4.74	10.17	1.35
1.183	1.35	4.183	3.38	7.183	4.74	10.18	1.35
1.200	1.35	4.200	3.38	7.200	4.74	10.20	1.35
1.217	1.35	4.217	3.38	7.217	4.74	10.22	1.35
1.233	1.35	4.233	3.38	7.233	4.74	10.23	1.35
1.250	1.35	4.250	3.38	7.250	4.74	10.25	1.35

1.267	1.35	4.267	4.06	7.267	4.06	10.27	1.35
1.283	1.35	4.283	4.06	7.283	4.06	10.28	1.35
1.300	1.35	4.300	4.06	7.300	4.06	10.30	1.35
1.317	1.35	4.317	4.06	7.317	4.06	10.32	1.35
1.333	1.35	4.333	4.06	7.333	4.06	10.33	1.35
1.350	1.35	4.350	4.06	7.350	4.06	10.35	1.35
1.367	1.35	4.367	4.06	7.367	4.06	10.37	1.35
1.383	1.35	4.383	4.06	7.383	4.06	10.38	1.35
1.400	1.35	4.400	4.06	7.400	4.06	10.40	1.35
1.417	1.35	4.417	4.06	7.417	4.06	10.42	1.35
1.433	1.35	4.433	4.06	7.433	4.06	10.43	1.35
1.450	1.35	4.450	4.06	7.450	4.06	10.45	1.35
1.467	1.35	4.467	4.06	7.467	4.06	10.47	1.35
1.483	1.35	4.483	4.06	7.483	4.06	10.48	1.35
1.500	1.35	4.500	4.06	7.500	4.06	10.50	1.35
1.517	1.35	4.517	4.74	7.517	4.06	10.52	1.35
1.533	1.35	4.533	4.74	7.533	4.06	10.53	1.35
1.550	1.35	4.550	4.74	7.550	4.06	10.55	1.35
1.567	1.35	4.567	4.74	7.567	4.06	10.57	1.35
1.583	1.35	4.583	4.74	7.583	4.06	10.58	1.35
1.600	1.35	4.600	4.74	7.600	4.06	10.60	1.35
1.617	1.35	4.617	4.74	7.617	4.06	10.62	1.35
1.633	1.35	4.633	4.74	7.633	4.06	10.63	1.35
1.650	1.35	4.650	4.74	7.650	4.06	10.65	1.35
1.667	1.35	4.667	4.74	7.667	4.06	10.67	1.35
1.683	1.35	4.683	4.74	7.683	4.06	10.68	1.35
1.700	1.35	4.700	4.74	7.700	4.06	10.70	1.35
1.717	1.35	4.717	4.74	7.717	4.06	10.72	1.35
1.733	1.35	4.733	4.74	7.733	4.06	10.73	1.35
1.750	1.35	4.750	4.74	7.750	4.06	10.75	1.35
1.767	1.35	4.767	5.41	7.767	4.06	10.77	1.35
1.783	1.35	4.783	5.41	7.783	4.06	10.78	1.35
1.800	1.35	4.800	5.41	7.800	4.06	10.80	1.35
1.817	1.35	4.817	5.41	7.817	4.06	10.82	1.35
1.833	1.35	4.833	5.41	7.833	4.06	10.83	1.35
1.850	1.35	4.850	5.41	7.850	4.06	10.85	1.35
1.867	1.35	4.867	5.41	7.867	4.06	10.87	1.35
1.883	1.35	4.883	5.41	7.883	4.06	10.88	1.35
1.900	1.35	4.900	5.41	7.900	4.06	10.90	1.35
1.917	1.35	4.917	5.41	7.917	4.06	10.92	1.35
1.933	1.35	4.933	5.41	7.933	4.06	10.93	1.35
1.950	1.35	4.950	5.41	7.950	4.06	10.95	1.35
1.967	1.35	4.967	5.41	7.967	4.06	10.97	1.35
1.983	1.35	4.983	5.41	7.983	4.06	10.98	1.35
2.000	1.35	5.000	5.41	8.000	4.06	11.00	1.35
2.017	2.03	5.017	6.77	8.017	3.38	11.02	1.35
2.033	2.03	5.033	6.77	8.033	3.38	11.03	1.35
2.050	2.03	5.050	6.77	8.050	3.38	11.05	1.35
2.067	2.03	5.067	6.77	8.067	3.38	11.07	1.35
2.083	2.03	5.083	6.77	8.083	3.38	11.08	1.35
2.100	2.03	5.100	6.77	8.100	3.38	11.10	1.35
2.117	2.03	5.117	6.77	8.117	3.38	11.12	1.35
2.133	2.03	5.133	6.77	8.133	3.38	11.13	1.35
2.150	2.03	5.150	6.77	8.150	3.38	11.15	1.35
2.167	2.03	5.167	6.77	8.167	3.38	11.17	1.35
2.183	2.03	5.183	6.77	8.183	3.38	11.18	1.35
2.200	2.03	5.200	6.77	8.200	3.38	11.20	1.35
2.217	2.03	5.217	6.77	8.217	3.38	11.22	1.35
2.233	2.03	5.233	6.77	8.233	3.38	11.23	1.35
2.250	2.03	5.250	6.77	8.250	3.38	11.25	1.35
2.267	2.71	5.267	8.12	8.267	2.71	11.27	1.35
2.283	2.71	5.283	8.12	8.283	2.71	11.28	1.35
2.300	2.71	5.300	8.12	8.300	2.71	11.30	1.35
2.317	2.71	5.317	8.12	8.317	2.71	11.32	1.35
2.333	2.71	5.333	8.12	8.333	2.71	11.33	1.35
2.350	2.71	5.350	8.12	8.350	2.71	11.35	1.35
2.367	2.71	5.367	8.12	8.367	2.71	11.37	1.35
2.383	2.71	5.383	8.12	8.383	2.71	11.38	1.35
2.400	2.71	5.400	8.12	8.400	2.71	11.40	1.35
2.417	2.71	5.417	8.12	8.417	2.71	11.42	1.35
2.433	2.71	5.433	8.12	8.433	2.71	11.43	1.35
2.450	2.71	5.450	8.12	8.450	2.71	11.45	1.35
2.467	2.71	5.467	8.12	8.467	2.71	11.47	1.35
2.483	2.71	5.483	8.12	8.483	2.71	11.48	1.35
2.500	2.71	5.500	8.15	8.500	2.71	11.50	1.35
2.517	2.71	5.517	34.51	8.517	2.71	11.52	1.35
2.533	2.71	5.533	34.51	8.533	2.71	11.53	1.35
2.550	2.71	5.550	34.51	8.550	2.71	11.55	1.35
2.567	2.71	5.567	34.51	8.567	2.71	11.57	1.35
2.583	2.71	5.583	34.51	8.583	2.71	11.58	1.35
2.600	2.71	5.600	34.51	8.600	2.71	11.60	1.35
2.617	2.71	5.617	34.51	8.617	2.71	11.62	1.35
2.633	2.71	5.633	34.51	8.633	2.71	11.63	1.35
2.650	2.71	5.650	34.51	8.650	2.71	11.65	1.35

2.667	2.71	5.667	34.51	8.667	2.71	11.67	1.35
2.683	2.71	5.683	34.51	8.683	2.71	11.68	1.35
2.700	2.71	5.700	34.51	8.700	2.71	11.70	1.35
2.717	2.71	5.717	34.51	8.717	2.71	11.72	1.35
2.733	2.71	5.733	34.51	8.733	2.71	11.73	1.35
2.750	2.71	5.750	34.54	8.750	2.71	11.75	1.35
2.767	2.71	5.767	60.90	8.767	2.71	11.77	1.35
2.783	2.71	5.783	60.90	8.783	2.71	11.78	1.35
2.800	2.71	5.800	60.90	8.800	2.71	11.80	1.35
2.817	2.71	5.817	60.90	8.817	2.71	11.82	1.35
2.833	2.71	5.833	60.90	8.833	2.71	11.83	1.35
2.850	2.71	5.850	60.90	8.850	2.71	11.85	1.35
2.867	2.71	5.867	60.90	8.867	2.71	11.87	1.35
2.883	2.71	5.883	60.90	8.883	2.71	11.88	1.35
2.900	2.71	5.900	60.90	8.900	2.71	11.90	1.35
2.917	2.71	5.917	60.90	8.917	2.71	11.92	1.35
2.933	2.71	5.933	60.90	8.933	2.71	11.93	1.35
2.950	2.71	5.950	60.90	8.950	2.71	11.95	1.35
2.967	2.71	5.967	60.90	8.967	2.71	11.97	1.35
2.983	2.71	5.983	60.90	8.983	2.71	11.98	1.35
3.000	2.71	6.000	60.87	9.000	2.71	12.00	1.35

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.301 (i)
TIME TO PEAK (hrs)= 6.517
RUNOFF VOLUME (mm)= 13.695
TOTAL RAINFALL (mm)= 67.500
RUNOFF COEFFICIENT = 0.203

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB STANDHYD (0204) ID= 1 DT= 1.0 min	Area (ha)= 0.96 Total Imp(%)= 68.00	Dir. Conn.(%)= 47.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.65	0.31
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.68	3.017	2.71	6.017	36.54	9.02	2.71
0.033	0.68	3.033	2.71	6.033	36.54	9.03	2.71
0.050	0.68	3.050	2.71	6.050	36.54	9.05	2.71
0.067	0.68	3.067	2.71	6.067	36.54	9.07	2.71
0.083	0.68	3.083	2.71	6.083	36.54	9.08	2.71
0.100	0.68	3.100	2.71	6.100	36.54	9.10	2.71
0.117	0.68	3.117	2.71	6.117	36.54	9.12	2.71
0.133	0.68	3.133	2.71	6.133	36.54	9.13	2.71
0.150	0.68	3.150	2.71	6.150	36.54	9.15	2.71
0.167	0.68	3.167	2.71	6.167	36.54	9.17	2.71
0.183	0.68	3.183	2.71	6.183	36.54	9.18	2.71
0.200	0.68	3.200	2.71	6.200	36.54	9.20	2.71
0.217	0.68	3.217	2.71	6.217	36.54	9.22	2.71
0.233	0.68	3.233	2.71	6.233	36.54	9.23	2.71
0.250	0.68	3.250	2.71	6.250	36.50	9.25	2.71
0.267	1.35	3.267	2.71	6.267	12.18	9.27	2.71
0.283	1.35	3.283	2.71	6.283	12.18	9.28	2.71
0.300	1.35	3.300	2.71	6.300	12.18	9.30	2.71
0.317	1.35	3.317	2.71	6.317	12.18	9.32	2.71
0.333	1.35	3.333	2.71	6.333	12.18	9.33	2.71
0.350	1.35	3.350	2.71	6.350	12.18	9.35	2.71
0.367	1.35	3.367	2.71	6.367	12.18	9.37	2.71
0.383	1.35	3.383	2.71	6.383	12.18	9.38	2.71
0.400	1.35	3.400	2.71	6.400	12.18	9.40	2.71
0.417	1.35	3.417	2.71	6.417	12.18	9.42	2.71
0.433	1.35	3.433	2.71	6.433	12.18	9.43	2.71
0.450	1.35	3.450	2.71	6.450	12.18	9.45	2.71
0.467	1.35	3.467	2.71	6.467	12.18	9.47	2.71
0.483	1.35	3.483	2.71	6.483	12.18	9.48	2.71
0.500	1.35	3.500	2.71	6.500	12.17	9.50	2.71
0.517	1.35	3.517	2.71	6.517	8.80	9.52	2.03
0.533	1.35	3.533	2.71	6.533	8.80	9.53	2.03
0.550	1.35	3.550	2.71	6.550	8.80	9.55	2.03

0.567	1.35	3.567	2.71	6.567	8.80	9.57	2.03
0.583	1.35	3.583	2.71	6.583	8.80	9.58	2.03
0.600	1.35	3.600	2.71	6.600	8.80	9.60	2.03
0.617	1.35	3.617	2.71	6.617	8.80	9.62	2.03
0.633	1.35	3.633	2.71	6.633	8.80	9.63	2.03
0.650	1.35	3.650	2.71	6.650	8.80	9.65	2.03
0.667	1.35	3.667	2.71	6.667	8.80	9.67	2.03
0.683	1.35	3.683	2.71	6.683	8.80	9.68	2.03
0.700	1.35	3.700	2.71	6.700	8.80	9.70	2.03
0.717	1.35	3.717	2.71	6.717	8.80	9.72	2.03
0.733	1.35	3.733	2.71	6.733	8.80	9.73	2.03
0.750	1.35	3.750	2.71	6.750	8.79	9.75	2.03
0.767	1.35	3.767	2.71	6.767	5.41	9.77	1.35
0.783	1.35	3.783	2.71	6.783	5.41	9.78	1.35
0.800	1.35	3.800	2.71	6.800	5.41	9.80	1.35
0.817	1.35	3.817	2.71	6.817	5.41	9.82	1.35
0.833	1.35	3.833	2.71	6.833	5.41	9.83	1.35
0.850	1.35	3.850	2.71	6.850	5.41	9.85	1.35
0.867	1.35	3.867	2.71	6.867	5.41	9.87	1.35
0.883	1.35	3.883	2.71	6.883	5.41	9.88	1.35
0.900	1.35	3.900	2.71	6.900	5.41	9.90	1.35
0.917	1.35	3.917	2.71	6.917	5.41	9.92	1.35
0.933	1.35	3.933	2.71	6.933	5.41	9.93	1.35
0.950	1.35	3.950	2.71	6.950	5.41	9.95	1.35
0.967	1.35	3.967	2.71	6.967	5.41	9.97	1.35
0.983	1.35	3.983	2.71	6.983	5.41	9.98	1.35
1.000	1.35	4.000	2.71	7.000	5.41	10.00	1.35
1.017	1.35	4.017	3.38	7.017	4.74	10.02	1.35
1.033	1.35	4.033	3.38	7.033	4.74	10.03	1.35
1.050	1.35	4.050	3.38	7.050	4.74	10.05	1.35
1.067	1.35	4.067	3.38	7.067	4.74	10.07	1.35
1.083	1.35	4.083	3.38	7.083	4.74	10.08	1.35
1.100	1.35	4.100	3.38	7.100	4.74	10.10	1.35
1.117	1.35	4.117	3.38	7.117	4.74	10.12	1.35
1.133	1.35	4.133	3.38	7.133	4.74	10.13	1.35
1.150	1.35	4.150	3.38	7.150	4.74	10.15	1.35
1.167	1.35	4.167	3.38	7.167	4.74	10.17	1.35
1.183	1.35	4.183	3.38	7.183	4.74	10.18	1.35
1.200	1.35	4.200	3.38	7.200	4.74	10.20	1.35
1.217	1.35	4.217	3.38	7.217	4.74	10.22	1.35
1.233	1.35	4.233	3.38	7.233	4.74	10.23	1.35
1.250	1.35	4.250	3.38	7.250	4.74	10.25	1.35
1.267	1.35	4.267	4.06	7.267	4.06	10.27	1.35
1.283	1.35	4.283	4.06	7.283	4.06	10.28	1.35
1.300	1.35	4.300	4.06	7.300	4.06	10.30	1.35
1.317	1.35	4.317	4.06	7.317	4.06	10.32	1.35
1.333	1.35	4.333	4.06	7.333	4.06	10.33	1.35
1.350	1.35	4.350	4.06	7.350	4.06	10.35	1.35
1.367	1.35	4.367	4.06	7.367	4.06	10.37	1.35
1.383	1.35	4.383	4.06	7.383	4.06	10.38	1.35
1.400	1.35	4.400	4.06	7.400	4.06	10.40	1.35
1.417	1.35	4.417	4.06	7.417	4.06	10.42	1.35
1.433	1.35	4.433	4.06	7.433	4.06	10.43	1.35
1.450	1.35	4.450	4.06	7.450	4.06	10.45	1.35
1.467	1.35	4.467	4.06	7.467	4.06	10.47	1.35
1.483	1.35	4.483	4.06	7.483	4.06	10.48	1.35
1.500	1.35	4.500	4.06	7.500	4.06	10.50	1.35
1.517	1.35	4.517	4.74	7.517	4.06	10.52	1.35
1.533	1.35	4.533	4.74	7.533	4.06	10.53	1.35
1.550	1.35	4.550	4.74	7.550	4.06	10.55	1.35
1.567	1.35	4.567	4.74	7.567	4.06	10.57	1.35
1.583	1.35	4.583	4.74	7.583	4.06	10.58	1.35
1.600	1.35	4.600	4.74	7.600	4.06	10.60	1.35
1.617	1.35	4.617	4.74	7.617	4.06	10.62	1.35
1.633	1.35	4.633	4.74	7.633	4.06	10.63	1.35
1.650	1.35	4.650	4.74	7.650	4.06	10.65	1.35
1.667	1.35	4.667	4.74	7.667	4.06	10.67	1.35
1.683	1.35	4.683	4.74	7.683	4.06	10.68	1.35
1.700	1.35	4.700	4.74	7.700	4.06	10.70	1.35
1.717	1.35	4.717	4.74	7.717	4.06	10.72	1.35
1.733	1.35	4.733	4.74	7.733	4.06	10.73	1.35
1.750	1.35	4.750	4.74	7.750	4.06	10.75	1.35
1.767	1.35	4.767	5.41	7.767	4.06	10.77	1.35
1.783	1.35	4.783	5.41	7.783	4.06	10.78	1.35
1.800	1.35	4.800	5.41	7.800	4.06	10.80	1.35
1.817	1.35	4.817	5.41	7.817	4.06	10.82	1.35
1.833	1.35	4.833	5.41	7.833	4.06	10.83	1.35
1.850	1.35	4.850	5.41	7.850	4.06	10.85	1.35
1.867	1.35	4.867	5.41	7.867	4.06	10.87	1.35
1.883	1.35	4.883	5.41	7.883	4.06	10.88	1.35
1.900	1.35	4.900	5.41	7.900	4.06	10.90	1.35
1.917	1.35	4.917	5.41	7.917	4.06	10.92	1.35
1.933	1.35	4.933	5.41	7.933	4.06	10.93	1.35
1.950	1.35	4.950	5.41	7.950	4.06	10.95	1.35

1.967	1.35	4.967	5.41	7.967	4.06	10.97	1.35
1.983	1.35	4.983	5.41	7.983	4.06	10.98	1.35
2.000	1.35	5.000	5.41	8.000	4.06	11.00	1.35
2.017	2.03	5.017	6.77	8.017	3.38	11.02	1.35
2.033	2.03	5.033	6.77	8.033	3.38	11.03	1.35
2.050	2.03	5.050	6.77	8.050	3.38	11.05	1.35
2.067	2.03	5.067	6.77	8.067	3.38	11.07	1.35
2.083	2.03	5.083	6.77	8.083	3.38	11.08	1.35
2.100	2.03	5.100	6.77	8.100	3.38	11.10	1.35
2.117	2.03	5.117	6.77	8.117	3.38	11.12	1.35
2.133	2.03	5.133	6.77	8.133	3.38	11.13	1.35
2.150	2.03	5.150	6.77	8.150	3.38	11.15	1.35
2.167	2.03	5.167	6.77	8.167	3.38	11.17	1.35
2.183	2.03	5.183	6.77	8.183	3.38	11.18	1.35
2.200	2.03	5.200	6.77	8.200	3.38	11.20	1.35
2.217	2.03	5.217	6.77	8.217	3.38	11.22	1.35
2.233	2.03	5.233	6.77	8.233	3.38	11.23	1.35
2.250	2.03	5.250	6.77	8.250	3.38	11.25	1.35
2.267	2.71	5.267	8.12	8.267	2.71	11.27	1.35
2.283	2.71	5.283	8.12	8.283	2.71	11.28	1.35
2.300	2.71	5.300	8.12	8.300	2.71	11.30	1.35
2.317	2.71	5.317	8.12	8.317	2.71	11.32	1.35
2.333	2.71	5.333	8.12	8.333	2.71	11.33	1.35
2.350	2.71	5.350	8.12	8.350	2.71	11.35	1.35
2.367	2.71	5.367	8.12	8.367	2.71	11.37	1.35
2.383	2.71	5.383	8.12	8.383	2.71	11.38	1.35
2.400	2.71	5.400	8.12	8.400	2.71	11.40	1.35
2.417	2.71	5.417	8.12	8.417	2.71	11.42	1.35
2.433	2.71	5.433	8.12	8.433	2.71	11.43	1.35
2.450	2.71	5.450	8.12	8.450	2.71	11.45	1.35
2.467	2.71	5.467	8.12	8.467	2.71	11.47	1.35
2.483	2.71	5.483	8.12	8.483	2.71	11.48	1.35
2.500	2.71	5.500	8.15	8.500	2.71	11.50	1.35
2.517	2.71	5.517	34.51	8.517	2.71	11.52	1.35
2.533	2.71	5.533	34.51	8.533	2.71	11.53	1.35
2.550	2.71	5.550	34.51	8.550	2.71	11.55	1.35
2.567	2.71	5.567	34.51	8.567	2.71	11.57	1.35
2.583	2.71	5.583	34.51	8.583	2.71	11.58	1.35
2.600	2.71	5.600	34.51	8.600	2.71	11.60	1.35
2.617	2.71	5.617	34.51	8.617	2.71	11.62	1.35
2.633	2.71	5.633	34.51	8.633	2.71	11.63	1.35
2.650	2.71	5.650	34.51	8.650	2.71	11.65	1.35
2.667	2.71	5.667	34.51	8.667	2.71	11.67	1.35
2.683	2.71	5.683	34.51	8.683	2.71	11.68	1.35
2.700	2.71	5.700	34.51	8.700	2.71	11.70	1.35
2.717	2.71	5.717	34.51	8.717	2.71	11.72	1.35
2.733	2.71	5.733	34.51	8.733	2.71	11.73	1.35
2.750	2.71	5.750	34.54	8.750	2.71	11.75	1.35
2.767	2.71	5.767	60.90	8.767	2.71	11.77	1.35
2.783	2.71	5.783	60.90	8.783	2.71	11.78	1.35
2.800	2.71	5.800	60.90	8.800	2.71	11.80	1.35
2.817	2.71	5.817	60.90	8.817	2.71	11.82	1.35
2.833	2.71	5.833	60.90	8.833	2.71	11.83	1.35
2.850	2.71	5.850	60.90	8.850	2.71	11.85	1.35
2.867	2.71	5.867	60.90	8.867	2.71	11.87	1.35
2.883	2.71	5.883	60.90	8.883	2.71	11.88	1.35
2.900	2.71	5.900	60.90	8.900	2.71	11.90	1.35
2.917	2.71	5.917	60.90	8.917	2.71	11.92	1.35
2.933	2.71	5.933	60.90	8.933	2.71	11.93	1.35
2.950	2.71	5.950	60.90	8.950	2.71	11.95	1.35
2.967	2.71	5.967	60.90	8.967	2.71	11.97	1.35
2.983	2.71	5.983	60.90	8.983	2.71	11.98	1.35
3.000	2.71	6.000	60.87	9.000	2.71	12.00	1.35

Max.Eff.Inten.(mm/hr)= 60.90 35.45
over (min) 6.00 14.00
Storage Coeff. (min)= 5.62 (ii) 13.00 (ii)
Unit Hyd. Tpeak (min)= 6.00 14.00
Unit Hyd. peak (cms)= 0.20 0.08

TOTALS
0.089 (iii)

PEAK FLOW (cms)= 0.07 0.02
TIME TO PEAK (hrs)= 6.02 6.22
RUNOFF VOLUME (mm)= 65.50 21.31 42.07
TOTAL RAINFALL (mm)= 67.50 67.50 67.50
RUNOFF COEFFICIENT = 0.97 0.32 0.62

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0204):	0.96	0.089	6.03	42.07
+ ID2= 2 (0205):	14.50	0.301	6.52	13.69
=====				
ID = 3 (0017):	15.46	0.337	6.47	15.46

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 3 (0017):	15.46	0.337	6.47	15.46
+ ID2= 2 (0087):	15.86	0.468	6.45	18.10
=====				
ID = 1 (0017):	31.32	0.805	6.45	16.80

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB				
STANDHYD (0012)				
ID= 1 DT= 1.0 min				
Area	(ha)=	1.18		
Total Imp	(%)=	22.00	Dir. Conn.(%)=	22.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.26	0.92
Dep. Storage	(mm)=	2.00	4.60
Average Slope	(%)=	1.00	2.00
Length	(m)=	88.84	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.68	3.017	2.71	6.017	36.54	9.02	2.71
0.033	0.68	3.033	2.71	6.033	36.54	9.03	2.71
0.050	0.68	3.050	2.71	6.050	36.54	9.05	2.71
0.067	0.68	3.067	2.71	6.067	36.54	9.07	2.71
0.083	0.68	3.083	2.71	6.083	36.54	9.08	2.71
0.100	0.68	3.100	2.71	6.100	36.54	9.10	2.71
0.117	0.68	3.117	2.71	6.117	36.54	9.12	2.71
0.133	0.68	3.133	2.71	6.133	36.54	9.13	2.71
0.150	0.68	3.150	2.71	6.150	36.54	9.15	2.71
0.167	0.68	3.167	2.71	6.167	36.54	9.17	2.71
0.183	0.68	3.183	2.71	6.183	36.54	9.18	2.71
0.200	0.68	3.200	2.71	6.200	36.54	9.20	2.71
0.217	0.68	3.217	2.71	6.217	36.54	9.22	2.71
0.233	0.68	3.233	2.71	6.233	36.54	9.23	2.71
0.250	0.68	3.250	2.71	6.250	36.50	9.25	2.71
0.267	1.35	3.267	2.71	6.267	12.18	9.27	2.71
0.283	1.35	3.283	2.71	6.283	12.18	9.28	2.71
0.300	1.35	3.300	2.71	6.300	12.18	9.30	2.71
0.317	1.35	3.317	2.71	6.317	12.18	9.32	2.71
0.333	1.35	3.333	2.71	6.333	12.18	9.33	2.71
0.350	1.35	3.350	2.71	6.350	12.18	9.35	2.71
0.367	1.35	3.367	2.71	6.367	12.18	9.37	2.71
0.383	1.35	3.383	2.71	6.383	12.18	9.38	2.71
0.400	1.35	3.400	2.71	6.400	12.18	9.40	2.71
0.417	1.35	3.417	2.71	6.417	12.18	9.42	2.71
0.433	1.35	3.433	2.71	6.433	12.18	9.43	2.71
0.450	1.35	3.450	2.71	6.450	12.18	9.45	2.71
0.467	1.35	3.467	2.71	6.467	12.18	9.47	2.71
0.483	1.35	3.483	2.71	6.483	12.18	9.48	2.71
0.500	1.35	3.500	2.71	6.500	12.17	9.50	2.71
0.517	1.35	3.517	2.71	6.517	8.80	9.52	2.03
0.533	1.35	3.533	2.71	6.533	8.80	9.53	2.03
0.550	1.35	3.550	2.71	6.550	8.80	9.55	2.03
0.567	1.35	3.567	2.71	6.567	8.80	9.57	2.03
0.583	1.35	3.583	2.71	6.583	8.80	9.58	2.03
0.600	1.35	3.600	2.71	6.600	8.80	9.60	2.03
0.617	1.35	3.617	2.71	6.617	8.80	9.62	2.03
0.633	1.35	3.633	2.71	6.633	8.80	9.63	2.03
0.650	1.35	3.650	2.71	6.650	8.80	9.65	2.03
0.667	1.35	3.667	2.71	6.667	8.80	9.67	2.03
0.683	1.35	3.683	2.71	6.683	8.80	9.68	2.03
0.700	1.35	3.700	2.71	6.700	8.80	9.70	2.03

0.717	1.35	3.717	2.71	6.717	8.80	9.72	2.03
0.733	1.35	3.733	2.71	6.733	8.80	9.73	2.03
0.750	1.35	3.750	2.71	6.750	8.79	9.75	2.03
0.767	1.35	3.767	2.71	6.767	5.41	9.77	1.35
0.783	1.35	3.783	2.71	6.783	5.41	9.78	1.35
0.800	1.35	3.800	2.71	6.800	5.41	9.80	1.35
0.817	1.35	3.817	2.71	6.817	5.41	9.82	1.35
0.833	1.35	3.833	2.71	6.833	5.41	9.83	1.35
0.850	1.35	3.850	2.71	6.850	5.41	9.85	1.35
0.867	1.35	3.867	2.71	6.867	5.41	9.87	1.35
0.883	1.35	3.883	2.71	6.883	5.41	9.88	1.35
0.900	1.35	3.900	2.71	6.900	5.41	9.90	1.35
0.917	1.35	3.917	2.71	6.917	5.41	9.92	1.35
0.933	1.35	3.933	2.71	6.933	5.41	9.93	1.35
0.950	1.35	3.950	2.71	6.950	5.41	9.95	1.35
0.967	1.35	3.967	2.71	6.967	5.41	9.97	1.35
0.983	1.35	3.983	2.71	6.983	5.41	9.98	1.35
1.000	1.35	4.000	2.71	7.000	5.41	10.00	1.35
1.017	1.35	4.017	3.38	7.017	4.74	10.02	1.35
1.033	1.35	4.033	3.38	7.033	4.74	10.03	1.35
1.050	1.35	4.050	3.38	7.050	4.74	10.05	1.35
1.067	1.35	4.067	3.38	7.067	4.74	10.07	1.35
1.083	1.35	4.083	3.38	7.083	4.74	10.08	1.35
1.100	1.35	4.100	3.38	7.100	4.74	10.10	1.35
1.117	1.35	4.117	3.38	7.117	4.74	10.12	1.35
1.133	1.35	4.133	3.38	7.133	4.74	10.13	1.35
1.150	1.35	4.150	3.38	7.150	4.74	10.15	1.35
1.167	1.35	4.167	3.38	7.167	4.74	10.17	1.35
1.183	1.35	4.183	3.38	7.183	4.74	10.18	1.35
1.200	1.35	4.200	3.38	7.200	4.74	10.20	1.35
1.217	1.35	4.217	3.38	7.217	4.74	10.22	1.35
1.233	1.35	4.233	3.38	7.233	4.74	10.23	1.35
1.250	1.35	4.250	3.38	7.250	4.74	10.25	1.35
1.267	1.35	4.267	4.06	7.267	4.06	10.27	1.35
1.283	1.35	4.283	4.06	7.283	4.06	10.28	1.35
1.300	1.35	4.300	4.06	7.300	4.06	10.30	1.35
1.317	1.35	4.317	4.06	7.317	4.06	10.32	1.35
1.333	1.35	4.333	4.06	7.333	4.06	10.33	1.35
1.350	1.35	4.350	4.06	7.350	4.06	10.35	1.35
1.367	1.35	4.367	4.06	7.367	4.06	10.37	1.35
1.383	1.35	4.383	4.06	7.383	4.06	10.38	1.35
1.400	1.35	4.400	4.06	7.400	4.06	10.40	1.35
1.417	1.35	4.417	4.06	7.417	4.06	10.42	1.35
1.433	1.35	4.433	4.06	7.433	4.06	10.43	1.35
1.450	1.35	4.450	4.06	7.450	4.06	10.45	1.35
1.467	1.35	4.467	4.06	7.467	4.06	10.47	1.35
1.483	1.35	4.483	4.06	7.483	4.06	10.48	1.35
1.500	1.35	4.500	4.06	7.500	4.06	10.50	1.35
1.517	1.35	4.517	4.74	7.517	4.06	10.52	1.35
1.533	1.35	4.533	4.74	7.533	4.06	10.53	1.35
1.550	1.35	4.550	4.74	7.550	4.06	10.55	1.35
1.567	1.35	4.567	4.74	7.567	4.06	10.57	1.35
1.583	1.35	4.583	4.74	7.583	4.06	10.58	1.35
1.600	1.35	4.600	4.74	7.600	4.06	10.60	1.35
1.617	1.35	4.617	4.74	7.617	4.06	10.62	1.35
1.633	1.35	4.633	4.74	7.633	4.06	10.63	1.35
1.650	1.35	4.650	4.74	7.650	4.06	10.65	1.35
1.667	1.35	4.667	4.74	7.667	4.06	10.67	1.35
1.683	1.35	4.683	4.74	7.683	4.06	10.68	1.35
1.700	1.35	4.700	4.74	7.700	4.06	10.70	1.35
1.717	1.35	4.717	4.74	7.717	4.06	10.72	1.35
1.733	1.35	4.733	4.74	7.733	4.06	10.73	1.35
1.750	1.35	4.750	4.74	7.750	4.06	10.75	1.35
1.767	1.35	4.767	5.41	7.767	4.06	10.77	1.35
1.783	1.35	4.783	5.41	7.783	4.06	10.78	1.35
1.800	1.35	4.800	5.41	7.800	4.06	10.80	1.35
1.817	1.35	4.817	5.41	7.817	4.06	10.82	1.35
1.833	1.35	4.833	5.41	7.833	4.06	10.83	1.35
1.850	1.35	4.850	5.41	7.850	4.06	10.85	1.35
1.867	1.35	4.867	5.41	7.867	4.06	10.87	1.35
1.883	1.35	4.883	5.41	7.883	4.06	10.88	1.35
1.900	1.35	4.900	5.41	7.900	4.06	10.90	1.35
1.917	1.35	4.917	5.41	7.917	4.06	10.92	1.35
1.933	1.35	4.933	5.41	7.933	4.06	10.93	1.35
1.950	1.35	4.950	5.41	7.950	4.06	10.95	1.35
1.967	1.35	4.967	5.41	7.967	4.06	10.97	1.35
1.983	1.35	4.983	5.41	7.983	4.06	10.98	1.35
2.000	1.35	5.000	5.41	8.000	4.06	11.00	1.35
2.017	2.03	5.017	6.77	8.017	3.38	11.02	1.35
2.033	2.03	5.033	6.77	8.033	3.38	11.03	1.35
2.050	2.03	5.050	6.77	8.050	3.38	11.05	1.35
2.067	2.03	5.067	6.77	8.067	3.38	11.07	1.35
2.083	2.03	5.083	6.77	8.083	3.38	11.08	1.35
2.100	2.03	5.100	6.77	8.100	3.38	11.10	1.35

2.117	2.03	5.117	6.77	8.117	3.38	11.12	1.35
2.133	2.03	5.133	6.77	8.133	3.38	11.13	1.35
2.150	2.03	5.150	6.77	8.150	3.38	11.15	1.35
2.167	2.03	5.167	6.77	8.167	3.38	11.17	1.35
2.183	2.03	5.183	6.77	8.183	3.38	11.18	1.35
2.200	2.03	5.200	6.77	8.200	3.38	11.20	1.35
2.217	2.03	5.217	6.77	8.217	3.38	11.22	1.35
2.233	2.03	5.233	6.77	8.233	3.38	11.23	1.35
2.250	2.03	5.250	6.77	8.250	3.38	11.25	1.35
2.267	2.71	5.267	8.12	8.267	2.71	11.27	1.35
2.283	2.71	5.283	8.12	8.283	2.71	11.28	1.35
2.300	2.71	5.300	8.12	8.300	2.71	11.30	1.35
2.317	2.71	5.317	8.12	8.317	2.71	11.32	1.35
2.333	2.71	5.333	8.12	8.333	2.71	11.33	1.35
2.350	2.71	5.350	8.12	8.350	2.71	11.35	1.35
2.367	2.71	5.367	8.12	8.367	2.71	11.37	1.35
2.383	2.71	5.383	8.12	8.383	2.71	11.38	1.35
2.400	2.71	5.400	8.12	8.400	2.71	11.40	1.35
2.417	2.71	5.417	8.12	8.417	2.71	11.42	1.35
2.433	2.71	5.433	8.12	8.433	2.71	11.43	1.35
2.450	2.71	5.450	8.12	8.450	2.71	11.45	1.35
2.467	2.71	5.467	8.12	8.467	2.71	11.47	1.35
2.483	2.71	5.483	8.12	8.483	2.71	11.48	1.35
2.500	2.71	5.500	8.15	8.500	2.71	11.50	1.35
2.517	2.71	5.517	34.51	8.517	2.71	11.52	1.35
2.533	2.71	5.533	34.51	8.533	2.71	11.53	1.35
2.550	2.71	5.550	34.51	8.550	2.71	11.55	1.35
2.567	2.71	5.567	34.51	8.567	2.71	11.57	1.35
2.583	2.71	5.583	34.51	8.583	2.71	11.58	1.35
2.600	2.71	5.600	34.51	8.600	2.71	11.60	1.35
2.617	2.71	5.617	34.51	8.617	2.71	11.62	1.35
2.633	2.71	5.633	34.51	8.633	2.71	11.63	1.35
2.650	2.71	5.650	34.51	8.650	2.71	11.65	1.35
2.667	2.71	5.667	34.51	8.667	2.71	11.67	1.35
2.683	2.71	5.683	34.51	8.683	2.71	11.68	1.35
2.700	2.71	5.700	34.51	8.700	2.71	11.70	1.35
2.717	2.71	5.717	34.51	8.717	2.71	11.72	1.35
2.733	2.71	5.733	34.51	8.733	2.71	11.73	1.35
2.750	2.71	5.750	34.54	8.750	2.71	11.75	1.35
2.767	2.71	5.767	60.90	8.767	2.71	11.77	1.35
2.783	2.71	5.783	60.90	8.783	2.71	11.78	1.35
2.800	2.71	5.800	60.90	8.800	2.71	11.80	1.35
2.817	2.71	5.817	60.90	8.817	2.71	11.82	1.35
2.833	2.71	5.833	60.90	8.833	2.71	11.83	1.35
2.850	2.71	5.850	60.90	8.850	2.71	11.85	1.35
2.867	2.71	5.867	60.90	8.867	2.71	11.87	1.35
2.883	2.71	5.883	60.90	8.883	2.71	11.88	1.35
2.900	2.71	5.900	60.90	8.900	2.71	11.90	1.35
2.917	2.71	5.917	60.90	8.917	2.71	11.92	1.35
2.933	2.71	5.933	60.90	8.933	2.71	11.93	1.35
2.950	2.71	5.950	60.90	8.950	2.71	11.95	1.35
2.967	2.71	5.967	60.90	8.967	2.71	11.97	1.35
2.983	2.71	5.983	60.90	8.983	2.71	11.98	1.35
3.000	2.71	6.000	60.87	9.000	2.71	12.00	1.35

Max.Eff.Inten.(mm/hr)= 60.90 12.54
over (min) 5.00 20.00
Storage Coeff. (min)= 2.90 (ii) 19.09 (ii)
Unit Hyd. Tpeak (min)= 5.00 20.00
Unit Hyd. peak (cms)= 0.31 0.06

TOTALS

PEAK FLOW (cms)= 0.04 0.02 0.056 (iii)
TIME TO PEAK (hrs)= 6.00 6.33 6.02
RUNOFF VOLUME (mm)= 65.50 14.16 25.45
TOTAL RAINFALL (mm)= 67.50 67.50 67.50
RUNOFF COEFFICIENT = 0.97 0.21 0.38

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0203)
ID= 1 DT= 1.0 min

Area (ha)= 17.16
Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

IMPERVIOUS PERVIOUS (i)
Surface Area (ha)= 7.21 9.95
Dep. Storage (mm)= 2.00 5.00
Average Slope (%)= 1.00 2.00

Length (m)= 267.45 40.00
Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.68	3.017	2.71	6.017	36.54	9.02	2.71
0.033	0.68	3.033	2.71	6.033	36.54	9.03	2.71
0.050	0.68	3.050	2.71	6.050	36.54	9.05	2.71
0.067	0.68	3.067	2.71	6.067	36.54	9.07	2.71
0.083	0.68	3.083	2.71	6.083	36.54	9.08	2.71
0.100	0.68	3.100	2.71	6.100	36.54	9.10	2.71
0.117	0.68	3.117	2.71	6.117	36.54	9.12	2.71
0.133	0.68	3.133	2.71	6.133	36.54	9.13	2.71
0.150	0.68	3.150	2.71	6.150	36.54	9.15	2.71
0.167	0.68	3.167	2.71	6.167	36.54	9.17	2.71
0.183	0.68	3.183	2.71	6.183	36.54	9.18	2.71
0.200	0.68	3.200	2.71	6.200	36.54	9.20	2.71
0.217	0.68	3.217	2.71	6.217	36.54	9.22	2.71
0.233	0.68	3.233	2.71	6.233	36.54	9.23	2.71
0.250	0.68	3.250	2.71	6.250	36.50	9.25	2.71
0.267	1.35	3.267	2.71	6.267	12.18	9.27	2.71
0.283	1.35	3.283	2.71	6.283	12.18	9.28	2.71
0.300	1.35	3.300	2.71	6.300	12.18	9.30	2.71
0.317	1.35	3.317	2.71	6.317	12.18	9.32	2.71
0.333	1.35	3.333	2.71	6.333	12.18	9.33	2.71
0.350	1.35	3.350	2.71	6.350	12.18	9.35	2.71
0.367	1.35	3.367	2.71	6.367	12.18	9.37	2.71
0.383	1.35	3.383	2.71	6.383	12.18	9.38	2.71
0.400	1.35	3.400	2.71	6.400	12.18	9.40	2.71
0.417	1.35	3.417	2.71	6.417	12.18	9.42	2.71
0.433	1.35	3.433	2.71	6.433	12.18	9.43	2.71
0.450	1.35	3.450	2.71	6.450	12.18	9.45	2.71
0.467	1.35	3.467	2.71	6.467	12.18	9.47	2.71
0.483	1.35	3.483	2.71	6.483	12.18	9.48	2.71
0.500	1.35	3.500	2.71	6.500	12.17	9.50	2.71
0.517	1.35	3.517	2.71	6.517	8.80	9.52	2.03
0.533	1.35	3.533	2.71	6.533	8.80	9.53	2.03
0.550	1.35	3.550	2.71	6.550	8.80	9.55	2.03
0.567	1.35	3.567	2.71	6.567	8.80	9.57	2.03
0.583	1.35	3.583	2.71	6.583	8.80	9.58	2.03
0.600	1.35	3.600	2.71	6.600	8.80	9.60	2.03
0.617	1.35	3.617	2.71	6.617	8.80	9.62	2.03
0.633	1.35	3.633	2.71	6.633	8.80	9.63	2.03
0.650	1.35	3.650	2.71	6.650	8.80	9.65	2.03
0.667	1.35	3.667	2.71	6.667	8.80	9.67	2.03
0.683	1.35	3.683	2.71	6.683	8.80	9.68	2.03
0.700	1.35	3.700	2.71	6.700	8.80	9.70	2.03
0.717	1.35	3.717	2.71	6.717	8.80	9.72	2.03
0.733	1.35	3.733	2.71	6.733	8.80	9.73	2.03
0.750	1.35	3.750	2.71	6.750	8.79	9.75	2.03
0.767	1.35	3.767	2.71	6.767	5.41	9.77	1.35
0.783	1.35	3.783	2.71	6.783	5.41	9.78	1.35
0.800	1.35	3.800	2.71	6.800	5.41	9.80	1.35
0.817	1.35	3.817	2.71	6.817	5.41	9.82	1.35
0.833	1.35	3.833	2.71	6.833	5.41	9.83	1.35
0.850	1.35	3.850	2.71	6.850	5.41	9.85	1.35
0.867	1.35	3.867	2.71	6.867	5.41	9.87	1.35
0.883	1.35	3.883	2.71	6.883	5.41	9.88	1.35
0.900	1.35	3.900	2.71	6.900	5.41	9.90	1.35
0.917	1.35	3.917	2.71	6.917	5.41	9.92	1.35
0.933	1.35	3.933	2.71	6.933	5.41	9.93	1.35
0.950	1.35	3.950	2.71	6.950	5.41	9.95	1.35
0.967	1.35	3.967	2.71	6.967	5.41	9.97	1.35
0.983	1.35	3.983	2.71	6.983	5.41	9.98	1.35
1.000	1.35	4.000	2.71	7.000	5.41	10.00	1.35
1.017	1.35	4.017	3.38	7.017	4.74	10.02	1.35
1.033	1.35	4.033	3.38	7.033	4.74	10.03	1.35
1.050	1.35	4.050	3.38	7.050	4.74	10.05	1.35
1.067	1.35	4.067	3.38	7.067	4.74	10.07	1.35
1.083	1.35	4.083	3.38	7.083	4.74	10.08	1.35
1.100	1.35	4.100	3.38	7.100	4.74	10.10	1.35
1.117	1.35	4.117	3.38	7.117	4.74	10.12	1.35
1.133	1.35	4.133	3.38	7.133	4.74	10.13	1.35
1.150	1.35	4.150	3.38	7.150	4.74	10.15	1.35
1.167	1.35	4.167	3.38	7.167	4.74	10.17	1.35
1.183	1.35	4.183	3.38	7.183	4.74	10.18	1.35
1.200	1.35	4.200	3.38	7.200	4.74	10.20	1.35
1.217	1.35	4.217	3.38	7.217	4.74	10.22	1.35
1.233	1.35	4.233	3.38	7.233	4.74	10.23	1.35
1.250	1.35	4.250	3.38	7.250	4.74	10.25	1.35

1.267	1.35	4.267	4.06	7.267	4.06	10.27	1.35
1.283	1.35	4.283	4.06	7.283	4.06	10.28	1.35
1.300	1.35	4.300	4.06	7.300	4.06	10.30	1.35
1.317	1.35	4.317	4.06	7.317	4.06	10.32	1.35
1.333	1.35	4.333	4.06	7.333	4.06	10.33	1.35
1.350	1.35	4.350	4.06	7.350	4.06	10.35	1.35
1.367	1.35	4.367	4.06	7.367	4.06	10.37	1.35
1.383	1.35	4.383	4.06	7.383	4.06	10.38	1.35
1.400	1.35	4.400	4.06	7.400	4.06	10.40	1.35
1.417	1.35	4.417	4.06	7.417	4.06	10.42	1.35
1.433	1.35	4.433	4.06	7.433	4.06	10.43	1.35
1.450	1.35	4.450	4.06	7.450	4.06	10.45	1.35
1.467	1.35	4.467	4.06	7.467	4.06	10.47	1.35
1.483	1.35	4.483	4.06	7.483	4.06	10.48	1.35
1.500	1.35	4.500	4.06	7.500	4.06	10.50	1.35
1.517	1.35	4.517	4.74	7.517	4.06	10.52	1.35
1.533	1.35	4.533	4.74	7.533	4.06	10.53	1.35
1.550	1.35	4.550	4.74	7.550	4.06	10.55	1.35
1.567	1.35	4.567	4.74	7.567	4.06	10.57	1.35
1.583	1.35	4.583	4.74	7.583	4.06	10.58	1.35
1.600	1.35	4.600	4.74	7.600	4.06	10.60	1.35
1.617	1.35	4.617	4.74	7.617	4.06	10.62	1.35
1.633	1.35	4.633	4.74	7.633	4.06	10.63	1.35
1.650	1.35	4.650	4.74	7.650	4.06	10.65	1.35
1.667	1.35	4.667	4.74	7.667	4.06	10.67	1.35
1.683	1.35	4.683	4.74	7.683	4.06	10.68	1.35
1.700	1.35	4.700	4.74	7.700	4.06	10.70	1.35
1.717	1.35	4.717	4.74	7.717	4.06	10.72	1.35
1.733	1.35	4.733	4.74	7.733	4.06	10.73	1.35
1.750	1.35	4.750	4.74	7.750	4.06	10.75	1.35
1.767	1.35	4.767	5.41	7.767	4.06	10.77	1.35
1.783	1.35	4.783	5.41	7.783	4.06	10.78	1.35
1.800	1.35	4.800	5.41	7.800	4.06	10.80	1.35
1.817	1.35	4.817	5.41	7.817	4.06	10.82	1.35
1.833	1.35	4.833	5.41	7.833	4.06	10.83	1.35
1.850	1.35	4.850	5.41	7.850	4.06	10.85	1.35
1.867	1.35	4.867	5.41	7.867	4.06	10.87	1.35
1.883	1.35	4.883	5.41	7.883	4.06	10.88	1.35
1.900	1.35	4.900	5.41	7.900	4.06	10.90	1.35
1.917	1.35	4.917	5.41	7.917	4.06	10.92	1.35
1.933	1.35	4.933	5.41	7.933	4.06	10.93	1.35
1.950	1.35	4.950	5.41	7.950	4.06	10.95	1.35
1.967	1.35	4.967	5.41	7.967	4.06	10.97	1.35
1.983	1.35	4.983	5.41	7.983	4.06	10.98	1.35
2.000	1.35	5.000	5.41	8.000	4.06	11.00	1.35
2.017	2.03	5.017	6.77	8.017	3.38	11.02	1.35
2.033	2.03	5.033	6.77	8.033	3.38	11.03	1.35
2.050	2.03	5.050	6.77	8.050	3.38	11.05	1.35
2.067	2.03	5.067	6.77	8.067	3.38	11.07	1.35
2.083	2.03	5.083	6.77	8.083	3.38	11.08	1.35
2.100	2.03	5.100	6.77	8.100	3.38	11.10	1.35
2.117	2.03	5.117	6.77	8.117	3.38	11.12	1.35
2.133	2.03	5.133	6.77	8.133	3.38	11.13	1.35
2.150	2.03	5.150	6.77	8.150	3.38	11.15	1.35
2.167	2.03	5.167	6.77	8.167	3.38	11.17	1.35
2.183	2.03	5.183	6.77	8.183	3.38	11.18	1.35
2.200	2.03	5.200	6.77	8.200	3.38	11.20	1.35
2.217	2.03	5.217	6.77	8.217	3.38	11.22	1.35
2.233	2.03	5.233	6.77	8.233	3.38	11.23	1.35
2.250	2.03	5.250	6.77	8.250	3.38	11.25	1.35
2.267	2.71	5.267	8.12	8.267	2.71	11.27	1.35
2.283	2.71	5.283	8.12	8.283	2.71	11.28	1.35
2.300	2.71	5.300	8.12	8.300	2.71	11.30	1.35
2.317	2.71	5.317	8.12	8.317	2.71	11.32	1.35
2.333	2.71	5.333	8.12	8.333	2.71	11.33	1.35
2.350	2.71	5.350	8.12	8.350	2.71	11.35	1.35
2.367	2.71	5.367	8.12	8.367	2.71	11.37	1.35
2.383	2.71	5.383	8.12	8.383	2.71	11.38	1.35
2.400	2.71	5.400	8.12	8.400	2.71	11.40	1.35
2.417	2.71	5.417	8.12	8.417	2.71	11.42	1.35
2.433	2.71	5.433	8.12	8.433	2.71	11.43	1.35
2.450	2.71	5.450	8.12	8.450	2.71	11.45	1.35
2.467	2.71	5.467	8.12	8.467	2.71	11.47	1.35
2.483	2.71	5.483	8.12	8.483	2.71	11.48	1.35
2.500	2.71	5.500	8.15	8.500	2.71	11.50	1.35
2.517	2.71	5.517	34.51	8.517	2.71	11.52	1.35
2.533	2.71	5.533	34.51	8.533	2.71	11.53	1.35
2.550	2.71	5.550	34.51	8.550	2.71	11.55	1.35
2.567	2.71	5.567	34.51	8.567	2.71	11.57	1.35
2.583	2.71	5.583	34.51	8.583	2.71	11.58	1.35
2.600	2.71	5.600	34.51	8.600	2.71	11.60	1.35
2.617	2.71	5.617	34.51	8.617	2.71	11.62	1.35
2.633	2.71	5.633	34.51	8.633	2.71	11.63	1.35
2.650	2.71	5.650	34.51	8.650	2.71	11.65	1.35

2.667	2.71	5.667	34.51	8.667	2.71	11.67	1.35
2.683	2.71	5.683	34.51	8.683	2.71	11.68	1.35
2.700	2.71	5.700	34.51	8.700	2.71	11.70	1.35
2.717	2.71	5.717	34.51	8.717	2.71	11.72	1.35
2.733	2.71	5.733	34.51	8.733	2.71	11.73	1.35
2.750	2.71	5.750	34.54	8.750	2.71	11.75	1.35
2.767	2.71	5.767	60.90	8.767	2.71	11.77	1.35
2.783	2.71	5.783	60.90	8.783	2.71	11.78	1.35
2.800	2.71	5.800	60.90	8.800	2.71	11.80	1.35
2.817	2.71	5.817	60.90	8.817	2.71	11.82	1.35
2.833	2.71	5.833	60.90	8.833	2.71	11.83	1.35
2.850	2.71	5.850	60.90	8.850	2.71	11.85	1.35
2.867	2.71	5.867	60.90	8.867	2.71	11.87	1.35
2.883	2.71	5.883	60.90	8.883	2.71	11.88	1.35
2.900	2.71	5.900	60.90	8.900	2.71	11.90	1.35
2.917	2.71	5.917	60.90	8.917	2.71	11.92	1.35
2.933	2.71	5.933	60.90	8.933	2.71	11.93	1.35
2.950	2.71	5.950	60.90	8.950	2.71	11.95	1.35
2.967	2.71	5.967	60.90	8.967	2.71	11.97	1.35
2.983	2.71	5.983	60.90	8.983	2.71	11.98	1.35
3.000	2.71	6.000	60.87	9.000	2.71	12.00	1.35

Max.Eff.Inten.(mm/hr)= 60.90 18.72
over (min) 6.00 20.00
Storage Coeff. (min)= 5.62 (ii) 19.42 (ii)
Unit Hyd. Tpeak (min)= 6.00 20.00
Unit Hyd. peak (cms)= 0.20 0.06

TOTALS

PEAK FLOW (cms)= 0.82 0.35 1.023 (iii)
TIME TO PEAK (hrs)= 6.02 6.33 6.03
RUNOFF VOLUME (mm)= 65.50 16.54 31.23
TOTAL RAINFALL (mm)= 67.50 67.50
RUNOFF COEFFICIENT = 0.97 0.25 0.46

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0012):	1.18	0.056	6.02	25.45
+ ID2= 2 (0203):	17.16	1.023	6.03	31.23
=====				
ID = 3 (0082):	18.34	1.078	6.03	30.86

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)	OVERFLOW IS OFF	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
IN= 2---> OUT= 1					
DT= 5.0 min					
		0.0000	0.0000	0.0940	0.3600
		0.0120	0.2100	0.1210	0.4000
		0.0550	0.2600	0.1500	0.4500
		0.0620	0.3000	0.3000	0.7210
		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0082)		18.340	1.078	6.03	30.86
OUTFLOW: ID= 1 (0002)		18.340	0.119	8.12	22.05

PEAK FLOW REDUCTION [Qout/Qin](%)= 11.01
TIME SHIFT OF PEAK FLOW (min)=125.00
MAXIMUM STORAGE USED (ha.m.)= 0.3966

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0017):	31.32	0.805	6.45	16.80
+ ID2= 2 (0002):	18.34	0.119	8.12	22.05
=====				
ID = 3 (0089):	49.66	0.877	6.48	18.74

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:3.4 SCS II 12hr 25yr **

CALIB			
NASHYD (0087)	Area (ha)=	15.86	Curve Number (CN)= 62.0
ID= 1 DT= 1.0 min	Ia (mm)=	4.60	# of Linear Res.(N)= 3.00
	U.H. Tp(hrs)=	0.40	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.79	3.017	3.16	6.017	42.67	9.02	3.16
0.033	0.79	3.033	3.16	6.033	42.67	9.03	3.16
0.050	0.79	3.050	3.16	6.050	42.67	9.05	3.16
0.067	0.79	3.067	3.16	6.067	42.67	9.07	3.16
0.083	0.79	3.083	3.16	6.083	42.67	9.08	3.16
0.100	0.79	3.100	3.16	6.100	42.67	9.10	3.16
0.117	0.79	3.117	3.16	6.117	42.67	9.12	3.16
0.133	0.79	3.133	3.16	6.133	42.67	9.13	3.16
0.150	0.79	3.150	3.16	6.150	42.67	9.15	3.16
0.167	0.79	3.167	3.16	6.167	42.67	9.17	3.16
0.183	0.79	3.183	3.16	6.183	42.67	9.18	3.16
0.200	0.79	3.200	3.16	6.200	42.67	9.20	3.16
0.217	0.79	3.217	3.16	6.217	42.67	9.22	3.16
0.233	0.79	3.233	3.16	6.233	42.67	9.23	3.16
0.250	0.79	3.250	3.16	6.250	42.63	9.25	3.16
0.267	1.58	3.267	3.16	6.267	14.22	9.27	3.16
0.283	1.58	3.283	3.16	6.283	14.22	9.28	3.16
0.300	1.58	3.300	3.16	6.300	14.22	9.30	3.16
0.317	1.58	3.317	3.16	6.317	14.22	9.32	3.16
0.333	1.58	3.333	3.16	6.333	14.22	9.33	3.16
0.350	1.58	3.350	3.16	6.350	14.22	9.35	3.16
0.367	1.58	3.367	3.16	6.367	14.22	9.37	3.16
0.383	1.58	3.383	3.16	6.383	14.22	9.38	3.16
0.400	1.58	3.400	3.16	6.400	14.22	9.40	3.16
0.417	1.58	3.417	3.16	6.417	14.22	9.42	3.16
0.433	1.58	3.433	3.16	6.433	14.22	9.43	3.16
0.450	1.58	3.450	3.16	6.450	14.22	9.45	3.16
0.467	1.58	3.467	3.16	6.467	14.22	9.47	3.16
0.483	1.58	3.483	3.16	6.483	14.22	9.48	3.16
0.500	1.58	3.500	3.16	6.500	14.22	9.50	3.16
0.517	1.58	3.517	3.16	6.517	10.27	9.52	2.37
0.533	1.58	3.533	3.16	6.533	10.27	9.53	2.37
0.550	1.58	3.550	3.16	6.550	10.27	9.55	2.37
0.567	1.58	3.567	3.16	6.567	10.27	9.57	2.37
0.583	1.58	3.583	3.16	6.583	10.27	9.58	2.37
0.600	1.58	3.600	3.16	6.600	10.27	9.60	2.37
0.617	1.58	3.617	3.16	6.617	10.27	9.62	2.37
0.633	1.58	3.633	3.16	6.633	10.27	9.63	2.37
0.650	1.58	3.650	3.16	6.650	10.27	9.65	2.37
0.667	1.58	3.667	3.16	6.667	10.27	9.67	2.37
0.683	1.58	3.683	3.16	6.683	10.27	9.68	2.37
0.700	1.58	3.700	3.16	6.700	10.27	9.70	2.37
0.717	1.58	3.717	3.16	6.717	10.27	9.72	2.37
0.733	1.58	3.733	3.16	6.733	10.27	9.73	2.37
0.750	1.58	3.750	3.16	6.750	10.26	9.75	2.37
0.767	1.58	3.767	3.16	6.767	6.32	9.77	1.58
0.783	1.58	3.783	3.16	6.783	6.32	9.78	1.58
0.800	1.58	3.800	3.16	6.800	6.32	9.80	1.58
0.817	1.58	3.817	3.16	6.817	6.32	9.82	1.58
0.833	1.58	3.833	3.16	6.833	6.32	9.83	1.58
0.850	1.58	3.850	3.16	6.850	6.32	9.85	1.58
0.867	1.58	3.867	3.16	6.867	6.32	9.87	1.58
0.883	1.58	3.883	3.16	6.883	6.32	9.88	1.58
0.900	1.58	3.900	3.16	6.900	6.32	9.90	1.58
0.917	1.58	3.917	3.16	6.917	6.32	9.92	1.58
0.933	1.58	3.933	3.16	6.933	6.32	9.93	1.58
0.950	1.58	3.950	3.16	6.950	6.32	9.95	1.58
0.967	1.58	3.967	3.16	6.967	6.32	9.97	1.58
0.983	1.58	3.983	3.16	6.983	6.32	9.98	1.58
1.000	1.58	4.000	3.16	7.000	6.32	10.00	1.58
1.017	1.58	4.017	3.95	7.017	5.53	10.02	1.58
1.033	1.58	4.033	3.95	7.033	5.53	10.03	1.58
1.050	1.58	4.050	3.95	7.050	5.53	10.05	1.58
1.067	1.58	4.067	3.95	7.067	5.53	10.07	1.58
1.083	1.58	4.083	3.95	7.083	5.53	10.08	1.58
1.100	1.58	4.100	3.95	7.100	5.53	10.10	1.58

1.117	1.58	4.117	3.95	7.117	5.53	10.12	1.58
1.133	1.58	4.133	3.95	7.133	5.53	10.13	1.58
1.150	1.58	4.150	3.95	7.150	5.53	10.15	1.58
1.167	1.58	4.167	3.95	7.167	5.53	10.17	1.58
1.183	1.58	4.183	3.95	7.183	5.53	10.18	1.58
1.200	1.58	4.200	3.95	7.200	5.53	10.20	1.58
1.217	1.58	4.217	3.95	7.217	5.53	10.22	1.58
1.233	1.58	4.233	3.95	7.233	5.53	10.23	1.58
1.250	1.58	4.250	3.95	7.250	5.53	10.25	1.58
1.267	1.58	4.267	4.74	7.267	4.74	10.27	1.58
1.283	1.58	4.283	4.74	7.283	4.74	10.28	1.58
1.300	1.58	4.300	4.74	7.300	4.74	10.30	1.58
1.317	1.58	4.317	4.74	7.317	4.74	10.32	1.58
1.333	1.58	4.333	4.74	7.333	4.74	10.33	1.58
1.350	1.58	4.350	4.74	7.350	4.74	10.35	1.58
1.367	1.58	4.367	4.74	7.367	4.74	10.37	1.58
1.383	1.58	4.383	4.74	7.383	4.74	10.38	1.58
1.400	1.58	4.400	4.74	7.400	4.74	10.40	1.58
1.417	1.58	4.417	4.74	7.417	4.74	10.42	1.58
1.433	1.58	4.433	4.74	7.433	4.74	10.43	1.58
1.450	1.58	4.450	4.74	7.450	4.74	10.45	1.58
1.467	1.58	4.467	4.74	7.467	4.74	10.47	1.58
1.483	1.58	4.483	4.74	7.483	4.74	10.48	1.58
1.500	1.58	4.500	4.74	7.500	4.74	10.50	1.58
1.517	1.58	4.517	5.53	7.517	4.74	10.52	1.58
1.533	1.58	4.533	5.53	7.533	4.74	10.53	1.58
1.550	1.58	4.550	5.53	7.550	4.74	10.55	1.58
1.567	1.58	4.567	5.53	7.567	4.74	10.57	1.58
1.583	1.58	4.583	5.53	7.583	4.74	10.58	1.58
1.600	1.58	4.600	5.53	7.600	4.74	10.60	1.58
1.617	1.58	4.617	5.53	7.617	4.74	10.62	1.58
1.633	1.58	4.633	5.53	7.633	4.74	10.63	1.58
1.650	1.58	4.650	5.53	7.650	4.74	10.65	1.58
1.667	1.58	4.667	5.53	7.667	4.74	10.67	1.58
1.683	1.58	4.683	5.53	7.683	4.74	10.68	1.58
1.700	1.58	4.700	5.53	7.700	4.74	10.70	1.58
1.717	1.58	4.717	5.53	7.717	4.74	10.72	1.58
1.733	1.58	4.733	5.53	7.733	4.74	10.73	1.58
1.750	1.58	4.750	5.53	7.750	4.74	10.75	1.58
1.767	1.58	4.767	6.32	7.767	4.74	10.77	1.58
1.783	1.58	4.783	6.32	7.783	4.74	10.78	1.58
1.800	1.58	4.800	6.32	7.800	4.74	10.80	1.58
1.817	1.58	4.817	6.32	7.817	4.74	10.82	1.58
1.833	1.58	4.833	6.32	7.833	4.74	10.83	1.58
1.850	1.58	4.850	6.32	7.850	4.74	10.85	1.58
1.867	1.58	4.867	6.32	7.867	4.74	10.87	1.58
1.883	1.58	4.883	6.32	7.883	4.74	10.88	1.58
1.900	1.58	4.900	6.32	7.900	4.74	10.90	1.58
1.917	1.58	4.917	6.32	7.917	4.74	10.92	1.58
1.933	1.58	4.933	6.32	7.933	4.74	10.93	1.58
1.950	1.58	4.950	6.32	7.950	4.74	10.95	1.58
1.967	1.58	4.967	6.32	7.967	4.74	10.97	1.58
1.983	1.58	4.983	6.32	7.983	4.74	10.98	1.58
2.000	1.58	5.000	6.32	8.000	4.74	11.00	1.58
2.017	2.37	5.017	7.90	8.017	3.95	11.02	1.58
2.033	2.37	5.033	7.90	8.033	3.95	11.03	1.58
2.050	2.37	5.050	7.90	8.050	3.95	11.05	1.58
2.067	2.37	5.067	7.90	8.067	3.95	11.07	1.58
2.083	2.37	5.083	7.90	8.083	3.95	11.08	1.58
2.100	2.37	5.100	7.90	8.100	3.95	11.10	1.58
2.117	2.37	5.117	7.90	8.117	3.95	11.12	1.58
2.133	2.37	5.133	7.90	8.133	3.95	11.13	1.58
2.150	2.37	5.150	7.90	8.150	3.95	11.15	1.58
2.167	2.37	5.167	7.90	8.167	3.95	11.17	1.58
2.183	2.37	5.183	7.90	8.183	3.95	11.18	1.58
2.200	2.37	5.200	7.90	8.200	3.95	11.20	1.58
2.217	2.37	5.217	7.90	8.217	3.95	11.22	1.58
2.233	2.37	5.233	7.90	8.233	3.95	11.23	1.58
2.250	2.37	5.250	7.90	8.250	3.95	11.25	1.58
2.267	3.16	5.267	9.48	8.267	3.16	11.27	1.58
2.283	3.16	5.283	9.48	8.283	3.16	11.28	1.58
2.300	3.16	5.300	9.48	8.300	3.16	11.30	1.58
2.317	3.16	5.317	9.48	8.317	3.16	11.32	1.58
2.333	3.16	5.333	9.48	8.333	3.16	11.33	1.58
2.350	3.16	5.350	9.48	8.350	3.16	11.35	1.58
2.367	3.16	5.367	9.48	8.367	3.16	11.37	1.58
2.383	3.16	5.383	9.48	8.383	3.16	11.38	1.58
2.400	3.16	5.400	9.48	8.400	3.16	11.40	1.58
2.417	3.16	5.417	9.48	8.417	3.16	11.42	1.58
2.433	3.16	5.433	9.48	8.433	3.16	11.43	1.58
2.450	3.16	5.450	9.48	8.450	3.16	11.45	1.58
2.467	3.16	5.467	9.48	8.467	3.16	11.47	1.58
2.483	3.16	5.483	9.48	8.483	3.16	11.48	1.58
2.500	3.16	5.500	9.51	8.500	3.16	11.50	1.58

2.517	3.16	5.517	40.30	8.517	3.16	11.52	1.58
2.533	3.16	5.533	40.30	8.533	3.16	11.53	1.58
2.550	3.16	5.550	40.30	8.550	3.16	11.55	1.58
2.567	3.16	5.567	40.30	8.567	3.16	11.57	1.58
2.583	3.16	5.583	40.30	8.583	3.16	11.58	1.58
2.600	3.16	5.600	40.30	8.600	3.16	11.60	1.58
2.617	3.16	5.617	40.30	8.617	3.16	11.62	1.58
2.633	3.16	5.633	40.30	8.633	3.16	11.63	1.58
2.650	3.16	5.650	40.30	8.650	3.16	11.65	1.58
2.667	3.16	5.667	40.30	8.667	3.16	11.67	1.58
2.683	3.16	5.683	40.30	8.683	3.16	11.68	1.58
2.700	3.16	5.700	40.30	8.700	3.16	11.70	1.58
2.717	3.16	5.717	40.30	8.717	3.16	11.72	1.58
2.733	3.16	5.733	40.30	8.733	3.16	11.73	1.58
2.750	3.16	5.750	40.34	8.750	3.16	11.75	1.58
2.767	3.16	5.767	71.12	8.767	3.16	11.77	1.58
2.783	3.16	5.783	71.12	8.783	3.16	11.78	1.58
2.800	3.16	5.800	71.12	8.800	3.16	11.80	1.58
2.817	3.16	5.817	71.12	8.817	3.16	11.82	1.58
2.833	3.16	5.833	71.12	8.833	3.16	11.83	1.58
2.850	3.16	5.850	71.12	8.850	3.16	11.85	1.58
2.867	3.16	5.867	71.12	8.867	3.16	11.87	1.58
2.883	3.16	5.883	71.12	8.883	3.16	11.88	1.58
2.900	3.16	5.900	71.12	8.900	3.16	11.90	1.58
2.917	3.16	5.917	71.12	8.917	3.16	11.92	1.58
2.933	3.16	5.933	71.12	8.933	3.16	11.93	1.58
2.950	3.16	5.950	71.12	8.950	3.16	11.95	1.58
2.967	3.16	5.967	71.12	8.967	3.16	11.97	1.58
2.983	3.16	5.983	71.12	8.983	3.16	11.98	1.58
3.000	3.16	6.000	71.08	9.000	3.16	12.00	1.58

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.624 (i)
TIME TO PEAK (hrs)= 6.450
RUNOFF VOLUME (mm)= 23.962
TOTAL RAINFALL (mm)= 78.822
RUNOFF COEFFICIENT = 0.304

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.79	3.017	3.16	6.017	42.67	9.02	3.16
0.033	0.79	3.033	3.16	6.033	42.67	9.03	3.16
0.050	0.79	3.050	3.16	6.050	42.67	9.05	3.16
0.067	0.79	3.067	3.16	6.067	42.67	9.07	3.16
0.083	0.79	3.083	3.16	6.083	42.67	9.08	3.16
0.100	0.79	3.100	3.16	6.100	42.67	9.10	3.16
0.117	0.79	3.117	3.16	6.117	42.67	9.12	3.16
0.133	0.79	3.133	3.16	6.133	42.67	9.13	3.16
0.150	0.79	3.150	3.16	6.150	42.67	9.15	3.16
0.167	0.79	3.167	3.16	6.167	42.67	9.17	3.16
0.183	0.79	3.183	3.16	6.183	42.67	9.18	3.16
0.200	0.79	3.200	3.16	6.200	42.67	9.20	3.16
0.217	0.79	3.217	3.16	6.217	42.67	9.22	3.16
0.233	0.79	3.233	3.16	6.233	42.67	9.23	3.16
0.250	0.79	3.250	3.16	6.250	42.63	9.25	3.16
0.267	1.58	3.267	3.16	6.267	14.22	9.27	3.16
0.283	1.58	3.283	3.16	6.283	14.22	9.28	3.16
0.300	1.58	3.300	3.16	6.300	14.22	9.30	3.16
0.317	1.58	3.317	3.16	6.317	14.22	9.32	3.16
0.333	1.58	3.333	3.16	6.333	14.22	9.33	3.16
0.350	1.58	3.350	3.16	6.350	14.22	9.35	3.16
0.367	1.58	3.367	3.16	6.367	14.22	9.37	3.16
0.383	1.58	3.383	3.16	6.383	14.22	9.38	3.16
0.400	1.58	3.400	3.16	6.400	14.22	9.40	3.16
0.417	1.58	3.417	3.16	6.417	14.22	9.42	3.16
0.433	1.58	3.433	3.16	6.433	14.22	9.43	3.16
0.450	1.58	3.450	3.16	6.450	14.22	9.45	3.16
0.467	1.58	3.467	3.16	6.467	14.22	9.47	3.16
0.483	1.58	3.483	3.16	6.483	14.22	9.48	3.16
0.500	1.58	3.500	3.16	6.500	14.22	9.50	3.16

0.517	1.58	3.517	3.16	6.517	10.27	9.52	2.37
0.533	1.58	3.533	3.16	6.533	10.27	9.53	2.37
0.550	1.58	3.550	3.16	6.550	10.27	9.55	2.37
0.567	1.58	3.567	3.16	6.567	10.27	9.57	2.37
0.583	1.58	3.583	3.16	6.583	10.27	9.58	2.37
0.600	1.58	3.600	3.16	6.600	10.27	9.60	2.37
0.617	1.58	3.617	3.16	6.617	10.27	9.62	2.37
0.633	1.58	3.633	3.16	6.633	10.27	9.63	2.37
0.650	1.58	3.650	3.16	6.650	10.27	9.65	2.37
0.667	1.58	3.667	3.16	6.667	10.27	9.67	2.37
0.683	1.58	3.683	3.16	6.683	10.27	9.68	2.37
0.700	1.58	3.700	3.16	6.700	10.27	9.70	2.37
0.717	1.58	3.717	3.16	6.717	10.27	9.72	2.37
0.733	1.58	3.733	3.16	6.733	10.27	9.73	2.37
0.750	1.58	3.750	3.16	6.750	10.26	9.75	2.37
0.767	1.58	3.767	3.16	6.767	6.32	9.77	1.58
0.783	1.58	3.783	3.16	6.783	6.32	9.78	1.58
0.800	1.58	3.800	3.16	6.800	6.32	9.80	1.58
0.817	1.58	3.817	3.16	6.817	6.32	9.82	1.58
0.833	1.58	3.833	3.16	6.833	6.32	9.83	1.58
0.850	1.58	3.850	3.16	6.850	6.32	9.85	1.58
0.867	1.58	3.867	3.16	6.867	6.32	9.87	1.58
0.883	1.58	3.883	3.16	6.883	6.32	9.88	1.58
0.900	1.58	3.900	3.16	6.900	6.32	9.90	1.58
0.917	1.58	3.917	3.16	6.917	6.32	9.92	1.58
0.933	1.58	3.933	3.16	6.933	6.32	9.93	1.58
0.950	1.58	3.950	3.16	6.950	6.32	9.95	1.58
0.967	1.58	3.967	3.16	6.967	6.32	9.97	1.58
0.983	1.58	3.983	3.16	6.983	6.32	9.98	1.58
1.000	1.58	4.000	3.16	7.000	6.32	10.00	1.58
1.017	1.58	4.017	3.95	7.017	5.53	10.02	1.58
1.033	1.58	4.033	3.95	7.033	5.53	10.03	1.58
1.050	1.58	4.050	3.95	7.050	5.53	10.05	1.58
1.067	1.58	4.067	3.95	7.067	5.53	10.07	1.58
1.083	1.58	4.083	3.95	7.083	5.53	10.08	1.58
1.100	1.58	4.100	3.95	7.100	5.53	10.10	1.58
1.117	1.58	4.117	3.95	7.117	5.53	10.12	1.58
1.133	1.58	4.133	3.95	7.133	5.53	10.13	1.58
1.150	1.58	4.150	3.95	7.150	5.53	10.15	1.58
1.167	1.58	4.167	3.95	7.167	5.53	10.17	1.58
1.183	1.58	4.183	3.95	7.183	5.53	10.18	1.58
1.200	1.58	4.200	3.95	7.200	5.53	10.20	1.58
1.217	1.58	4.217	3.95	7.217	5.53	10.22	1.58
1.233	1.58	4.233	3.95	7.233	5.53	10.23	1.58
1.250	1.58	4.250	3.95	7.250	5.53	10.25	1.58
1.267	1.58	4.267	4.74	7.267	4.74	10.27	1.58
1.283	1.58	4.283	4.74	7.283	4.74	10.28	1.58
1.300	1.58	4.300	4.74	7.300	4.74	10.30	1.58
1.317	1.58	4.317	4.74	7.317	4.74	10.32	1.58
1.333	1.58	4.333	4.74	7.333	4.74	10.33	1.58
1.350	1.58	4.350	4.74	7.350	4.74	10.35	1.58
1.367	1.58	4.367	4.74	7.367	4.74	10.37	1.58
1.383	1.58	4.383	4.74	7.383	4.74	10.38	1.58
1.400	1.58	4.400	4.74	7.400	4.74	10.40	1.58
1.417	1.58	4.417	4.74	7.417	4.74	10.42	1.58
1.433	1.58	4.433	4.74	7.433	4.74	10.43	1.58
1.450	1.58	4.450	4.74	7.450	4.74	10.45	1.58
1.467	1.58	4.467	4.74	7.467	4.74	10.47	1.58
1.483	1.58	4.483	4.74	7.483	4.74	10.48	1.58
1.500	1.58	4.500	4.74	7.500	4.74	10.50	1.58
1.517	1.58	4.517	5.53	7.517	4.74	10.52	1.58
1.533	1.58	4.533	5.53	7.533	4.74	10.53	1.58
1.550	1.58	4.550	5.53	7.550	4.74	10.55	1.58
1.567	1.58	4.567	5.53	7.567	4.74	10.57	1.58
1.583	1.58	4.583	5.53	7.583	4.74	10.58	1.58
1.600	1.58	4.600	5.53	7.600	4.74	10.60	1.58
1.617	1.58	4.617	5.53	7.617	4.74	10.62	1.58
1.633	1.58	4.633	5.53	7.633	4.74	10.63	1.58
1.650	1.58	4.650	5.53	7.650	4.74	10.65	1.58
1.667	1.58	4.667	5.53	7.667	4.74	10.67	1.58
1.683	1.58	4.683	5.53	7.683	4.74	10.68	1.58
1.700	1.58	4.700	5.53	7.700	4.74	10.70	1.58
1.717	1.58	4.717	5.53	7.717	4.74	10.72	1.58
1.733	1.58	4.733	5.53	7.733	4.74	10.73	1.58
1.750	1.58	4.750	5.53	7.750	4.74	10.75	1.58
1.767	1.58	4.767	6.32	7.767	4.74	10.77	1.58
1.783	1.58	4.783	6.32	7.783	4.74	10.78	1.58
1.800	1.58	4.800	6.32	7.800	4.74	10.80	1.58
1.817	1.58	4.817	6.32	7.817	4.74	10.82	1.58
1.833	1.58	4.833	6.32	7.833	4.74	10.83	1.58
1.850	1.58	4.850	6.32	7.850	4.74	10.85	1.58
1.867	1.58	4.867	6.32	7.867	4.74	10.87	1.58
1.883	1.58	4.883	6.32	7.883	4.74	10.88	1.58
1.900	1.58	4.900	6.32	7.900	4.74	10.90	1.58

1.917	1.58	4.917	6.32	7.917	4.74	10.92	1.58
1.933	1.58	4.933	6.32	7.933	4.74	10.93	1.58
1.950	1.58	4.950	6.32	7.950	4.74	10.95	1.58
1.967	1.58	4.967	6.32	7.967	4.74	10.97	1.58
1.983	1.58	4.983	6.32	7.983	4.74	10.98	1.58
2.000	1.58	5.000	6.32	8.000	4.74	11.00	1.58
2.017	2.37	5.017	7.90	8.017	3.95	11.02	1.58
2.033	2.37	5.033	7.90	8.033	3.95	11.03	1.58
2.050	2.37	5.050	7.90	8.050	3.95	11.05	1.58
2.067	2.37	5.067	7.90	8.067	3.95	11.07	1.58
2.083	2.37	5.083	7.90	8.083	3.95	11.08	1.58
2.100	2.37	5.100	7.90	8.100	3.95	11.10	1.58
2.117	2.37	5.117	7.90	8.117	3.95	11.12	1.58
2.133	2.37	5.133	7.90	8.133	3.95	11.13	1.58
2.150	2.37	5.150	7.90	8.150	3.95	11.15	1.58
2.167	2.37	5.167	7.90	8.167	3.95	11.17	1.58
2.183	2.37	5.183	7.90	8.183	3.95	11.18	1.58
2.200	2.37	5.200	7.90	8.200	3.95	11.20	1.58
2.217	2.37	5.217	7.90	8.217	3.95	11.22	1.58
2.233	2.37	5.233	7.90	8.233	3.95	11.23	1.58
2.250	2.37	5.250	7.90	8.250	3.95	11.25	1.58
2.267	3.16	5.267	9.48	8.267	3.16	11.27	1.58
2.283	3.16	5.283	9.48	8.283	3.16	11.28	1.58
2.300	3.16	5.300	9.48	8.300	3.16	11.30	1.58
2.317	3.16	5.317	9.48	8.317	3.16	11.32	1.58
2.333	3.16	5.333	9.48	8.333	3.16	11.33	1.58
2.350	3.16	5.350	9.48	8.350	3.16	11.35	1.58
2.367	3.16	5.367	9.48	8.367	3.16	11.37	1.58
2.383	3.16	5.383	9.48	8.383	3.16	11.38	1.58
2.400	3.16	5.400	9.48	8.400	3.16	11.40	1.58
2.417	3.16	5.417	9.48	8.417	3.16	11.42	1.58
2.433	3.16	5.433	9.48	8.433	3.16	11.43	1.58
2.450	3.16	5.450	9.48	8.450	3.16	11.45	1.58
2.467	3.16	5.467	9.48	8.467	3.16	11.47	1.58
2.483	3.16	5.483	9.48	8.483	3.16	11.48	1.58
2.500	3.16	5.500	9.51	8.500	3.16	11.50	1.58
2.517	3.16	5.517	40.30	8.517	3.16	11.52	1.58
2.533	3.16	5.533	40.30	8.533	3.16	11.53	1.58
2.550	3.16	5.550	40.30	8.550	3.16	11.55	1.58
2.567	3.16	5.567	40.30	8.567	3.16	11.57	1.58
2.583	3.16	5.583	40.30	8.583	3.16	11.58	1.58
2.600	3.16	5.600	40.30	8.600	3.16	11.60	1.58
2.617	3.16	5.617	40.30	8.617	3.16	11.62	1.58
2.633	3.16	5.633	40.30	8.633	3.16	11.63	1.58
2.650	3.16	5.650	40.30	8.650	3.16	11.65	1.58
2.667	3.16	5.667	40.30	8.667	3.16	11.67	1.58
2.683	3.16	5.683	40.30	8.683	3.16	11.68	1.58
2.700	3.16	5.700	40.30	8.700	3.16	11.70	1.58
2.717	3.16	5.717	40.30	8.717	3.16	11.72	1.58
2.733	3.16	5.733	40.30	8.733	3.16	11.73	1.58
2.750	3.16	5.750	40.34	8.750	3.16	11.75	1.58
2.767	3.16	5.767	71.12	8.767	3.16	11.77	1.58
2.783	3.16	5.783	71.12	8.783	3.16	11.78	1.58
2.800	3.16	5.800	71.12	8.800	3.16	11.80	1.58
2.817	3.16	5.817	71.12	8.817	3.16	11.82	1.58
2.833	3.16	5.833	71.12	8.833	3.16	11.83	1.58
2.850	3.16	5.850	71.12	8.850	3.16	11.85	1.58
2.867	3.16	5.867	71.12	8.867	3.16	11.87	1.58
2.883	3.16	5.883	71.12	8.883	3.16	11.88	1.58
2.900	3.16	5.900	71.12	8.900	3.16	11.90	1.58
2.917	3.16	5.917	71.12	8.917	3.16	11.92	1.58
2.933	3.16	5.933	71.12	8.933	3.16	11.93	1.58
2.950	3.16	5.950	71.12	8.950	3.16	11.95	1.58
2.967	3.16	5.967	71.12	8.967	3.16	11.97	1.58
2.983	3.16	5.983	71.12	8.983	3.16	11.98	1.58
3.000	3.16	6.000	71.08	9.000	3.16	12.00	1.58

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.418 (i)
TIME TO PEAK (hrs)= 6.517
RUNOFF VOLUME (mm)= 18.740
TOTAL RAINFALL (mm)= 78.822
RUNOFF COEFFICIENT = 0.238

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
STANDHYD (0204)	Area (ha)= 0.96		
ID= 1 DT= 1.0 min	Total Imp(%)= 68.00	Dir. Conn.(%)= 47.00	
	IMPERVIOUS	PERVIOUS (i)	

Surface Area	(ha)=	0.65	0.31
Dep. Storage	(mm)=	2.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	267.45	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.79	3.017	3.16	6.017	42.67	9.02	3.16
0.033	0.79	3.033	3.16	6.033	42.67	9.03	3.16
0.050	0.79	3.050	3.16	6.050	42.67	9.05	3.16
0.067	0.79	3.067	3.16	6.067	42.67	9.07	3.16
0.083	0.79	3.083	3.16	6.083	42.67	9.08	3.16
0.100	0.79	3.100	3.16	6.100	42.67	9.10	3.16
0.117	0.79	3.117	3.16	6.117	42.67	9.12	3.16
0.133	0.79	3.133	3.16	6.133	42.67	9.13	3.16
0.150	0.79	3.150	3.16	6.150	42.67	9.15	3.16
0.167	0.79	3.167	3.16	6.167	42.67	9.17	3.16
0.183	0.79	3.183	3.16	6.183	42.67	9.18	3.16
0.200	0.79	3.200	3.16	6.200	42.67	9.20	3.16
0.217	0.79	3.217	3.16	6.217	42.67	9.22	3.16
0.233	0.79	3.233	3.16	6.233	42.67	9.23	3.16
0.250	0.79	3.250	3.16	6.250	42.63	9.25	3.16
0.267	1.58	3.267	3.16	6.267	14.22	9.27	3.16
0.283	1.58	3.283	3.16	6.283	14.22	9.28	3.16
0.300	1.58	3.300	3.16	6.300	14.22	9.30	3.16
0.317	1.58	3.317	3.16	6.317	14.22	9.32	3.16
0.333	1.58	3.333	3.16	6.333	14.22	9.33	3.16
0.350	1.58	3.350	3.16	6.350	14.22	9.35	3.16
0.367	1.58	3.367	3.16	6.367	14.22	9.37	3.16
0.383	1.58	3.383	3.16	6.383	14.22	9.38	3.16
0.400	1.58	3.400	3.16	6.400	14.22	9.40	3.16
0.417	1.58	3.417	3.16	6.417	14.22	9.42	3.16
0.433	1.58	3.433	3.16	6.433	14.22	9.43	3.16
0.450	1.58	3.450	3.16	6.450	14.22	9.45	3.16
0.467	1.58	3.467	3.16	6.467	14.22	9.47	3.16
0.483	1.58	3.483	3.16	6.483	14.22	9.48	3.16
0.500	1.58	3.500	3.16	6.500	14.22	9.50	3.16
0.517	1.58	3.517	3.16	6.517	10.27	9.52	2.37
0.533	1.58	3.533	3.16	6.533	10.27	9.53	2.37
0.550	1.58	3.550	3.16	6.550	10.27	9.55	2.37
0.567	1.58	3.567	3.16	6.567	10.27	9.57	2.37
0.583	1.58	3.583	3.16	6.583	10.27	9.58	2.37
0.600	1.58	3.600	3.16	6.600	10.27	9.60	2.37
0.617	1.58	3.617	3.16	6.617	10.27	9.62	2.37
0.633	1.58	3.633	3.16	6.633	10.27	9.63	2.37
0.650	1.58	3.650	3.16	6.650	10.27	9.65	2.37
0.667	1.58	3.667	3.16	6.667	10.27	9.67	2.37
0.683	1.58	3.683	3.16	6.683	10.27	9.68	2.37
0.700	1.58	3.700	3.16	6.700	10.27	9.70	2.37
0.717	1.58	3.717	3.16	6.717	10.27	9.72	2.37
0.733	1.58	3.733	3.16	6.733	10.27	9.73	2.37
0.750	1.58	3.750	3.16	6.750	10.26	9.75	2.37
0.767	1.58	3.767	3.16	6.767	6.32	9.77	1.58
0.783	1.58	3.783	3.16	6.783	6.32	9.78	1.58
0.800	1.58	3.800	3.16	6.800	6.32	9.80	1.58
0.817	1.58	3.817	3.16	6.817	6.32	9.82	1.58
0.833	1.58	3.833	3.16	6.833	6.32	9.83	1.58
0.850	1.58	3.850	3.16	6.850	6.32	9.85	1.58
0.867	1.58	3.867	3.16	6.867	6.32	9.87	1.58
0.883	1.58	3.883	3.16	6.883	6.32	9.88	1.58
0.900	1.58	3.900	3.16	6.900	6.32	9.90	1.58
0.917	1.58	3.917	3.16	6.917	6.32	9.92	1.58
0.933	1.58	3.933	3.16	6.933	6.32	9.93	1.58
0.950	1.58	3.950	3.16	6.950	6.32	9.95	1.58
0.967	1.58	3.967	3.16	6.967	6.32	9.97	1.58
0.983	1.58	3.983	3.16	6.983	6.32	9.98	1.58
1.000	1.58	4.000	3.16	7.000	6.32	10.00	1.58
1.017	1.58	4.017	3.95	7.017	5.53	10.02	1.58
1.033	1.58	4.033	3.95	7.033	5.53	10.03	1.58
1.050	1.58	4.050	3.95	7.050	5.53	10.05	1.58
1.067	1.58	4.067	3.95	7.067	5.53	10.07	1.58
1.083	1.58	4.083	3.95	7.083	5.53	10.08	1.58
1.100	1.58	4.100	3.95	7.100	5.53	10.10	1.58
1.117	1.58	4.117	3.95	7.117	5.53	10.12	1.58
1.133	1.58	4.133	3.95	7.133	5.53	10.13	1.58
1.150	1.58	4.150	3.95	7.150	5.53	10.15	1.58
1.167	1.58	4.167	3.95	7.167	5.53	10.17	1.58
1.183	1.58	4.183	3.95	7.183	5.53	10.18	1.58
1.200	1.58	4.200	3.95	7.200	5.53	10.20	1.58

1.217	1.58	4.217	3.95	7.217	5.53	10.22	1.58
1.233	1.58	4.233	3.95	7.233	5.53	10.23	1.58
1.250	1.58	4.250	3.95	7.250	5.53	10.25	1.58
1.267	1.58	4.267	4.74	7.267	4.74	10.27	1.58
1.283	1.58	4.283	4.74	7.283	4.74	10.28	1.58
1.300	1.58	4.300	4.74	7.300	4.74	10.30	1.58
1.317	1.58	4.317	4.74	7.317	4.74	10.32	1.58
1.333	1.58	4.333	4.74	7.333	4.74	10.33	1.58
1.350	1.58	4.350	4.74	7.350	4.74	10.35	1.58
1.367	1.58	4.367	4.74	7.367	4.74	10.37	1.58
1.383	1.58	4.383	4.74	7.383	4.74	10.38	1.58
1.400	1.58	4.400	4.74	7.400	4.74	10.40	1.58
1.417	1.58	4.417	4.74	7.417	4.74	10.42	1.58
1.433	1.58	4.433	4.74	7.433	4.74	10.43	1.58
1.450	1.58	4.450	4.74	7.450	4.74	10.45	1.58
1.467	1.58	4.467	4.74	7.467	4.74	10.47	1.58
1.483	1.58	4.483	4.74	7.483	4.74	10.48	1.58
1.500	1.58	4.500	4.74	7.500	4.74	10.50	1.58
1.517	1.58	4.517	5.53	7.517	4.74	10.52	1.58
1.533	1.58	4.533	5.53	7.533	4.74	10.53	1.58
1.550	1.58	4.550	5.53	7.550	4.74	10.55	1.58
1.567	1.58	4.567	5.53	7.567	4.74	10.57	1.58
1.583	1.58	4.583	5.53	7.583	4.74	10.58	1.58
1.600	1.58	4.600	5.53	7.600	4.74	10.60	1.58
1.617	1.58	4.617	5.53	7.617	4.74	10.62	1.58
1.633	1.58	4.633	5.53	7.633	4.74	10.63	1.58
1.650	1.58	4.650	5.53	7.650	4.74	10.65	1.58
1.667	1.58	4.667	5.53	7.667	4.74	10.67	1.58
1.683	1.58	4.683	5.53	7.683	4.74	10.68	1.58
1.700	1.58	4.700	5.53	7.700	4.74	10.70	1.58
1.717	1.58	4.717	5.53	7.717	4.74	10.72	1.58
1.733	1.58	4.733	5.53	7.733	4.74	10.73	1.58
1.750	1.58	4.750	5.53	7.750	4.74	10.75	1.58
1.767	1.58	4.767	6.32	7.767	4.74	10.77	1.58
1.783	1.58	4.783	6.32	7.783	4.74	10.78	1.58
1.800	1.58	4.800	6.32	7.800	4.74	10.80	1.58
1.817	1.58	4.817	6.32	7.817	4.74	10.82	1.58
1.833	1.58	4.833	6.32	7.833	4.74	10.83	1.58
1.850	1.58	4.850	6.32	7.850	4.74	10.85	1.58
1.867	1.58	4.867	6.32	7.867	4.74	10.87	1.58
1.883	1.58	4.883	6.32	7.883	4.74	10.88	1.58
1.900	1.58	4.900	6.32	7.900	4.74	10.90	1.58
1.917	1.58	4.917	6.32	7.917	4.74	10.92	1.58
1.933	1.58	4.933	6.32	7.933	4.74	10.93	1.58
1.950	1.58	4.950	6.32	7.950	4.74	10.95	1.58
1.967	1.58	4.967	6.32	7.967	4.74	10.97	1.58
1.983	1.58	4.983	6.32	7.983	4.74	10.98	1.58
2.000	1.58	5.000	6.32	8.000	4.74	11.00	1.58
2.017	2.37	5.017	7.90	8.017	3.95	11.02	1.58
2.033	2.37	5.033	7.90	8.033	3.95	11.03	1.58
2.050	2.37	5.050	7.90	8.050	3.95	11.05	1.58
2.067	2.37	5.067	7.90	8.067	3.95	11.07	1.58
2.083	2.37	5.083	7.90	8.083	3.95	11.08	1.58
2.100	2.37	5.100	7.90	8.100	3.95	11.10	1.58
2.117	2.37	5.117	7.90	8.117	3.95	11.12	1.58
2.133	2.37	5.133	7.90	8.133	3.95	11.13	1.58
2.150	2.37	5.150	7.90	8.150	3.95	11.15	1.58
2.167	2.37	5.167	7.90	8.167	3.95	11.17	1.58
2.183	2.37	5.183	7.90	8.183	3.95	11.18	1.58
2.200	2.37	5.200	7.90	8.200	3.95	11.20	1.58
2.217	2.37	5.217	7.90	8.217	3.95	11.22	1.58
2.233	2.37	5.233	7.90	8.233	3.95	11.23	1.58
2.250	2.37	5.250	7.90	8.250	3.95	11.25	1.58
2.267	3.16	5.267	9.48	8.267	3.16	11.27	1.58
2.283	3.16	5.283	9.48	8.283	3.16	11.28	1.58
2.300	3.16	5.300	9.48	8.300	3.16	11.30	1.58
2.317	3.16	5.317	9.48	8.317	3.16	11.32	1.58
2.333	3.16	5.333	9.48	8.333	3.16	11.33	1.58
2.350	3.16	5.350	9.48	8.350	3.16	11.35	1.58
2.367	3.16	5.367	9.48	8.367	3.16	11.37	1.58
2.383	3.16	5.383	9.48	8.383	3.16	11.38	1.58
2.400	3.16	5.400	9.48	8.400	3.16	11.40	1.58
2.417	3.16	5.417	9.48	8.417	3.16	11.42	1.58
2.433	3.16	5.433	9.48	8.433	3.16	11.43	1.58
2.450	3.16	5.450	9.48	8.450	3.16	11.45	1.58
2.467	3.16	5.467	9.48	8.467	3.16	11.47	1.58
2.483	3.16	5.483	9.48	8.483	3.16	11.48	1.58
2.500	3.16	5.500	9.51	8.500	3.16	11.50	1.58
2.517	3.16	5.517	40.30	8.517	3.16	11.52	1.58
2.533	3.16	5.533	40.30	8.533	3.16	11.53	1.58
2.550	3.16	5.550	40.30	8.550	3.16	11.55	1.58
2.567	3.16	5.567	40.30	8.567	3.16	11.57	1.58
2.583	3.16	5.583	40.30	8.583	3.16	11.58	1.58
2.600	3.16	5.600	40.30	8.600	3.16	11.60	1.58

2.617	3.16	5.617	40.30	8.617	3.16	11.62	1.58
2.633	3.16	5.633	40.30	8.633	3.16	11.63	1.58
2.650	3.16	5.650	40.30	8.650	3.16	11.65	1.58
2.667	3.16	5.667	40.30	8.667	3.16	11.67	1.58
2.683	3.16	5.683	40.30	8.683	3.16	11.68	1.58
2.700	3.16	5.700	40.30	8.700	3.16	11.70	1.58
2.717	3.16	5.717	40.30	8.717	3.16	11.72	1.58
2.733	3.16	5.733	40.30	8.733	3.16	11.73	1.58
2.750	3.16	5.750	40.34	8.750	3.16	11.75	1.58
2.767	3.16	5.767	71.12	8.767	3.16	11.77	1.58
2.783	3.16	5.783	71.12	8.783	3.16	11.78	1.58
2.800	3.16	5.800	71.12	8.800	3.16	11.80	1.58
2.817	3.16	5.817	71.12	8.817	3.16	11.82	1.58
2.833	3.16	5.833	71.12	8.833	3.16	11.83	1.58
2.850	3.16	5.850	71.12	8.850	3.16	11.85	1.58
2.867	3.16	5.867	71.12	8.867	3.16	11.87	1.58
2.883	3.16	5.883	71.12	8.883	3.16	11.88	1.58
2.900	3.16	5.900	71.12	8.900	3.16	11.90	1.58
2.917	3.16	5.917	71.12	8.917	3.16	11.92	1.58
2.933	3.16	5.933	71.12	8.933	3.16	11.93	1.58
2.950	3.16	5.950	71.12	8.950	3.16	11.95	1.58
2.967	3.16	5.967	71.12	8.967	3.16	11.97	1.58
2.983	3.16	5.983	71.12	8.983	3.16	11.98	1.58
3.000	3.16	6.000	71.08	9.000	3.16	12.00	1.58

Max.Eff.Inten.(mm/hr)= 71.12 46.57
over (min) 5.00 13.00
Storage Coeff. (min)= 5.28 (ii) 12.22 (ii)
Unit Hyd. Tpeak (min)= 5.00 13.00
Unit Hyd. peak (cms)= 0.22 0.09

PEAK FLOW (cms)= 0.09 0.03 *TOTALS*
TIME TO PEAK (hrs)= 6.00 6.18 0.109 (iii)
RUNOFF VOLUME (mm)= 76.82 27.83 50.85
TOTAL RAINFALL (mm)= 78.82 78.82 78.82
RUNOFF COEFFICIENT = 0.97 0.35 0.65

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)	AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0204):	0.96	0.109	6.02	50.85
+ ID2= 2 (0205):	14.50	0.418	6.52	18.74
=====				
ID = 3 (0017):	15.46	0.460	6.47	20.73

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)	AREA	QPEAK	TPEAK	R.V.
3 + 2 = 1	(ha)	(cms)	(hrs)	(mm)
ID1= 3 (0017):	15.46	0.460	6.47	20.73
+ ID2= 2 (0087):	15.86	0.624	6.45	23.96
=====				
ID = 1 (0017):	31.32	1.084	6.45	22.37

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB	Area (ha)=	1.18
STANDHYD (0012)	Total Imp(%)=	22.00
ID= 1 DT= 1.0 min	Dir. Conn.(%)=	22.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	4.60
Average slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.79	3.017	3.16	6.017	42.67	9.02	3.16
0.033	0.79	3.033	3.16	6.033	42.67	9.03	3.16
0.050	0.79	3.050	3.16	6.050	42.67	9.05	3.16
0.067	0.79	3.067	3.16	6.067	42.67	9.07	3.16
0.083	0.79	3.083	3.16	6.083	42.67	9.08	3.16
0.100	0.79	3.100	3.16	6.100	42.67	9.10	3.16
0.117	0.79	3.117	3.16	6.117	42.67	9.12	3.16
0.133	0.79	3.133	3.16	6.133	42.67	9.13	3.16
0.150	0.79	3.150	3.16	6.150	42.67	9.15	3.16
0.167	0.79	3.167	3.16	6.167	42.67	9.17	3.16
0.183	0.79	3.183	3.16	6.183	42.67	9.18	3.16
0.200	0.79	3.200	3.16	6.200	42.67	9.20	3.16
0.217	0.79	3.217	3.16	6.217	42.67	9.22	3.16
0.233	0.79	3.233	3.16	6.233	42.67	9.23	3.16
0.250	0.79	3.250	3.16	6.250	42.63	9.25	3.16
0.267	1.58	3.267	3.16	6.267	14.22	9.27	3.16
0.283	1.58	3.283	3.16	6.283	14.22	9.28	3.16
0.300	1.58	3.300	3.16	6.300	14.22	9.30	3.16
0.317	1.58	3.317	3.16	6.317	14.22	9.32	3.16
0.333	1.58	3.333	3.16	6.333	14.22	9.33	3.16
0.350	1.58	3.350	3.16	6.350	14.22	9.35	3.16
0.367	1.58	3.367	3.16	6.367	14.22	9.37	3.16
0.383	1.58	3.383	3.16	6.383	14.22	9.38	3.16
0.400	1.58	3.400	3.16	6.400	14.22	9.40	3.16
0.417	1.58	3.417	3.16	6.417	14.22	9.42	3.16
0.433	1.58	3.433	3.16	6.433	14.22	9.43	3.16
0.450	1.58	3.450	3.16	6.450	14.22	9.45	3.16
0.467	1.58	3.467	3.16	6.467	14.22	9.47	3.16
0.483	1.58	3.483	3.16	6.483	14.22	9.48	3.16
0.500	1.58	3.500	3.16	6.500	14.22	9.50	3.16
0.517	1.58	3.517	3.16	6.517	10.27	9.52	2.37
0.533	1.58	3.533	3.16	6.533	10.27	9.53	2.37
0.550	1.58	3.550	3.16	6.550	10.27	9.55	2.37
0.567	1.58	3.567	3.16	6.567	10.27	9.57	2.37
0.583	1.58	3.583	3.16	6.583	10.27	9.58	2.37
0.600	1.58	3.600	3.16	6.600	10.27	9.60	2.37
0.617	1.58	3.617	3.16	6.617	10.27	9.62	2.37
0.633	1.58	3.633	3.16	6.633	10.27	9.63	2.37
0.650	1.58	3.650	3.16	6.650	10.27	9.65	2.37
0.667	1.58	3.667	3.16	6.667	10.27	9.67	2.37
0.683	1.58	3.683	3.16	6.683	10.27	9.68	2.37
0.700	1.58	3.700	3.16	6.700	10.27	9.70	2.37
0.717	1.58	3.717	3.16	6.717	10.27	9.72	2.37
0.733	1.58	3.733	3.16	6.733	10.27	9.73	2.37
0.750	1.58	3.750	3.16	6.750	10.26	9.75	2.37
0.767	1.58	3.767	3.16	6.767	6.32	9.77	1.58
0.783	1.58	3.783	3.16	6.783	6.32	9.78	1.58
0.800	1.58	3.800	3.16	6.800	6.32	9.80	1.58
0.817	1.58	3.817	3.16	6.817	6.32	9.82	1.58
0.833	1.58	3.833	3.16	6.833	6.32	9.83	1.58
0.850	1.58	3.850	3.16	6.850	6.32	9.85	1.58
0.867	1.58	3.867	3.16	6.867	6.32	9.87	1.58
0.883	1.58	3.883	3.16	6.883	6.32	9.88	1.58
0.900	1.58	3.900	3.16	6.900	6.32	9.90	1.58
0.917	1.58	3.917	3.16	6.917	6.32	9.92	1.58
0.933	1.58	3.933	3.16	6.933	6.32	9.93	1.58
0.950	1.58	3.950	3.16	6.950	6.32	9.95	1.58
0.967	1.58	3.967	3.16	6.967	6.32	9.97	1.58
0.983	1.58	3.983	3.16	6.983	6.32	9.98	1.58
1.000	1.58	4.000	3.16	7.000	6.32	10.00	1.58
1.017	1.58	4.017	3.95	7.017	5.53	10.02	1.58
1.033	1.58	4.033	3.95	7.033	5.53	10.03	1.58
1.050	1.58	4.050	3.95	7.050	5.53	10.05	1.58
1.067	1.58	4.067	3.95	7.067	5.53	10.07	1.58
1.083	1.58	4.083	3.95	7.083	5.53	10.08	1.58
1.100	1.58	4.100	3.95	7.100	5.53	10.10	1.58
1.117	1.58	4.117	3.95	7.117	5.53	10.12	1.58
1.133	1.58	4.133	3.95	7.133	5.53	10.13	1.58
1.150	1.58	4.150	3.95	7.150	5.53	10.15	1.58
1.167	1.58	4.167	3.95	7.167	5.53	10.17	1.58
1.183	1.58	4.183	3.95	7.183	5.53	10.18	1.58
1.200	1.58	4.200	3.95	7.200	5.53	10.20	1.58
1.217	1.58	4.217	3.95	7.217	5.53	10.22	1.58
1.233	1.58	4.233	3.95	7.233	5.53	10.23	1.58
1.250	1.58	4.250	3.95	7.250	5.53	10.25	1.58
1.267	1.58	4.267	4.74	7.267	4.74	10.27	1.58
1.283	1.58	4.283	4.74	7.283	4.74	10.28	1.58
1.300	1.58	4.300	4.74	7.300	4.74	10.30	1.58
1.317	1.58	4.317	4.74	7.317	4.74	10.32	1.58
1.333	1.58	4.333	4.74	7.333	4.74	10.33	1.58
1.350	1.58	4.350	4.74	7.350	4.74	10.35	1.58

1.367	1.58	4.367	4.74	7.367	4.74	10.37	1.58
1.383	1.58	4.383	4.74	7.383	4.74	10.38	1.58
1.400	1.58	4.400	4.74	7.400	4.74	10.40	1.58
1.417	1.58	4.417	4.74	7.417	4.74	10.42	1.58
1.433	1.58	4.433	4.74	7.433	4.74	10.43	1.58
1.450	1.58	4.450	4.74	7.450	4.74	10.45	1.58
1.467	1.58	4.467	4.74	7.467	4.74	10.47	1.58
1.483	1.58	4.483	4.74	7.483	4.74	10.48	1.58
1.500	1.58	4.500	4.74	7.500	4.74	10.50	1.58
1.517	1.58	4.517	5.53	7.517	4.74	10.52	1.58
1.533	1.58	4.533	5.53	7.533	4.74	10.53	1.58
1.550	1.58	4.550	5.53	7.550	4.74	10.55	1.58
1.567	1.58	4.567	5.53	7.567	4.74	10.57	1.58
1.583	1.58	4.583	5.53	7.583	4.74	10.58	1.58
1.600	1.58	4.600	5.53	7.600	4.74	10.60	1.58
1.617	1.58	4.617	5.53	7.617	4.74	10.62	1.58
1.633	1.58	4.633	5.53	7.633	4.74	10.63	1.58
1.650	1.58	4.650	5.53	7.650	4.74	10.65	1.58
1.667	1.58	4.667	5.53	7.667	4.74	10.67	1.58
1.683	1.58	4.683	5.53	7.683	4.74	10.68	1.58
1.700	1.58	4.700	5.53	7.700	4.74	10.70	1.58
1.717	1.58	4.717	5.53	7.717	4.74	10.72	1.58
1.733	1.58	4.733	5.53	7.733	4.74	10.73	1.58
1.750	1.58	4.750	5.53	7.750	4.74	10.75	1.58
1.767	1.58	4.767	6.32	7.767	4.74	10.77	1.58
1.783	1.58	4.783	6.32	7.783	4.74	10.78	1.58
1.800	1.58	4.800	6.32	7.800	4.74	10.80	1.58
1.817	1.58	4.817	6.32	7.817	4.74	10.82	1.58
1.833	1.58	4.833	6.32	7.833	4.74	10.83	1.58
1.850	1.58	4.850	6.32	7.850	4.74	10.85	1.58
1.867	1.58	4.867	6.32	7.867	4.74	10.87	1.58
1.883	1.58	4.883	6.32	7.883	4.74	10.88	1.58
1.900	1.58	4.900	6.32	7.900	4.74	10.90	1.58
1.917	1.58	4.917	6.32	7.917	4.74	10.92	1.58
1.933	1.58	4.933	6.32	7.933	4.74	10.93	1.58
1.950	1.58	4.950	6.32	7.950	4.74	10.95	1.58
1.967	1.58	4.967	6.32	7.967	4.74	10.97	1.58
1.983	1.58	4.983	6.32	7.983	4.74	10.98	1.58
2.000	1.58	5.000	6.32	8.000	4.74	11.00	1.58
2.017	2.37	5.017	7.90	8.017	3.95	11.02	1.58
2.033	2.37	5.033	7.90	8.033	3.95	11.03	1.58
2.050	2.37	5.050	7.90	8.050	3.95	11.05	1.58
2.067	2.37	5.067	7.90	8.067	3.95	11.07	1.58
2.083	2.37	5.083	7.90	8.083	3.95	11.08	1.58
2.100	2.37	5.100	7.90	8.100	3.95	11.10	1.58
2.117	2.37	5.117	7.90	8.117	3.95	11.12	1.58
2.133	2.37	5.133	7.90	8.133	3.95	11.13	1.58
2.150	2.37	5.150	7.90	8.150	3.95	11.15	1.58
2.167	2.37	5.167	7.90	8.167	3.95	11.17	1.58
2.183	2.37	5.183	7.90	8.183	3.95	11.18	1.58
2.200	2.37	5.200	7.90	8.200	3.95	11.20	1.58
2.217	2.37	5.217	7.90	8.217	3.95	11.22	1.58
2.233	2.37	5.233	7.90	8.233	3.95	11.23	1.58
2.250	2.37	5.250	7.90	8.250	3.95	11.25	1.58
2.267	3.16	5.267	9.48	8.267	3.16	11.27	1.58
2.283	3.16	5.283	9.48	8.283	3.16	11.28	1.58
2.300	3.16	5.300	9.48	8.300	3.16	11.30	1.58
2.317	3.16	5.317	9.48	8.317	3.16	11.32	1.58
2.333	3.16	5.333	9.48	8.333	3.16	11.33	1.58
2.350	3.16	5.350	9.48	8.350	3.16	11.35	1.58
2.367	3.16	5.367	9.48	8.367	3.16	11.37	1.58
2.383	3.16	5.383	9.48	8.383	3.16	11.38	1.58
2.400	3.16	5.400	9.48	8.400	3.16	11.40	1.58
2.417	3.16	5.417	9.48	8.417	3.16	11.42	1.58
2.433	3.16	5.433	9.48	8.433	3.16	11.43	1.58
2.450	3.16	5.450	9.48	8.450	3.16	11.45	1.58
2.467	3.16	5.467	9.48	8.467	3.16	11.47	1.58
2.483	3.16	5.483	9.48	8.483	3.16	11.48	1.58
2.500	3.16	5.500	9.51	8.500	3.16	11.50	1.58
2.517	3.16	5.517	40.30	8.517	3.16	11.52	1.58
2.533	3.16	5.533	40.30	8.533	3.16	11.53	1.58
2.550	3.16	5.550	40.30	8.550	3.16	11.55	1.58
2.567	3.16	5.567	40.30	8.567	3.16	11.57	1.58
2.583	3.16	5.583	40.30	8.583	3.16	11.58	1.58
2.600	3.16	5.600	40.30	8.600	3.16	11.60	1.58
2.617	3.16	5.617	40.30	8.617	3.16	11.62	1.58
2.633	3.16	5.633	40.30	8.633	3.16	11.63	1.58
2.650	3.16	5.650	40.30	8.650	3.16	11.65	1.58
2.667	3.16	5.667	40.30	8.667	3.16	11.67	1.58
2.683	3.16	5.683	40.30	8.683	3.16	11.68	1.58
2.700	3.16	5.700	40.30	8.700	3.16	11.70	1.58
2.717	3.16	5.717	40.30	8.717	3.16	11.72	1.58
2.733	3.16	5.733	40.30	8.733	3.16	11.73	1.58
2.750	3.16	5.750	40.34	8.750	3.16	11.75	1.58

2.767	3.16	5.767	71.12	8.767	3.16	11.77	1.58
2.783	3.16	5.783	71.12	8.783	3.16	11.78	1.58
2.800	3.16	5.800	71.12	8.800	3.16	11.80	1.58
2.817	3.16	5.817	71.12	8.817	3.16	11.82	1.58
2.833	3.16	5.833	71.12	8.833	3.16	11.83	1.58
2.850	3.16	5.850	71.12	8.850	3.16	11.85	1.58
2.867	3.16	5.867	71.12	8.867	3.16	11.87	1.58
2.883	3.16	5.883	71.12	8.883	3.16	11.88	1.58
2.900	3.16	5.900	71.12	8.900	3.16	11.90	1.58
2.917	3.16	5.917	71.12	8.917	3.16	11.92	1.58
2.933	3.16	5.933	71.12	8.933	3.16	11.93	1.58
2.950	3.16	5.950	71.12	8.950	3.16	11.95	1.58
2.967	3.16	5.967	71.12	8.967	3.16	11.97	1.58
2.983	3.16	5.983	71.12	8.983	3.16	11.98	1.58
3.000	3.16	6.000	71.08	9.000	3.16	12.00	1.58

Max.Eff.Inten.(mm/hr)= 71.12 17.48
over (min) 5.00 17.00
Storage Coeff. (min)= 2.73 (ii) 16.91 (ii)
Unit Hyd. Tpeak (min)= 5.00 17.00
Unit Hyd. peak (cms)= 0.32 0.07

TOTALS

PEAK FLOW (cms)= 0.05 0.03 0.071 (iii)
TIME TO PEAK (hrs)= 6.00 6.30 6.02
RUNOFF VOLUME (mm)= 76.82 18.96 31.68
TOTAL RAINFALL (mm)= 78.82 78.82 78.82
RUNOFF COEFFICIENT = 0.97 0.24 0.40

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0203)
ID= 1 DT= 1.0 min
Area (ha)= 17.16
Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

IMPERVIOUS PERVIOUS (i)
Surface Area (ha)= 7.21 9.95
Dep. Storage (mm)= 2.00 5.00
Average Slope (%)= 1.00 2.00
Length (m)= 267.45 40.00
Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.79	3.017	3.16	6.017	42.67	9.02	3.16
0.033	0.79	3.033	3.16	6.033	42.67	9.03	3.16
0.050	0.79	3.050	3.16	6.050	42.67	9.05	3.16
0.067	0.79	3.067	3.16	6.067	42.67	9.07	3.16
0.083	0.79	3.083	3.16	6.083	42.67	9.08	3.16
0.100	0.79	3.100	3.16	6.100	42.67	9.10	3.16
0.117	0.79	3.117	3.16	6.117	42.67	9.12	3.16
0.133	0.79	3.133	3.16	6.133	42.67	9.13	3.16
0.150	0.79	3.150	3.16	6.150	42.67	9.15	3.16
0.167	0.79	3.167	3.16	6.167	42.67	9.17	3.16
0.183	0.79	3.183	3.16	6.183	42.67	9.18	3.16
0.200	0.79	3.200	3.16	6.200	42.67	9.20	3.16
0.217	0.79	3.217	3.16	6.217	42.67	9.22	3.16
0.233	0.79	3.233	3.16	6.233	42.67	9.23	3.16
0.250	0.79	3.250	3.16	6.250	42.63	9.25	3.16
0.267	1.58	3.267	3.16	6.267	14.22	9.27	3.16
0.283	1.58	3.283	3.16	6.283	14.22	9.28	3.16
0.300	1.58	3.300	3.16	6.300	14.22	9.30	3.16
0.317	1.58	3.317	3.16	6.317	14.22	9.32	3.16
0.333	1.58	3.333	3.16	6.333	14.22	9.33	3.16
0.350	1.58	3.350	3.16	6.350	14.22	9.35	3.16
0.367	1.58	3.367	3.16	6.367	14.22	9.37	3.16
0.383	1.58	3.383	3.16	6.383	14.22	9.38	3.16
0.400	1.58	3.400	3.16	6.400	14.22	9.40	3.16
0.417	1.58	3.417	3.16	6.417	14.22	9.42	3.16
0.433	1.58	3.433	3.16	6.433	14.22	9.43	3.16
0.450	1.58	3.450	3.16	6.450	14.22	9.45	3.16
0.467	1.58	3.467	3.16	6.467	14.22	9.47	3.16
0.483	1.58	3.483	3.16	6.483	14.22	9.48	3.16
0.500	1.58	3.500	3.16	6.500	14.22	9.50	3.16

0.517	1.58	3.517	3.16	6.517	10.27	9.52	2.37
0.533	1.58	3.533	3.16	6.533	10.27	9.53	2.37
0.550	1.58	3.550	3.16	6.550	10.27	9.55	2.37
0.567	1.58	3.567	3.16	6.567	10.27	9.57	2.37
0.583	1.58	3.583	3.16	6.583	10.27	9.58	2.37
0.600	1.58	3.600	3.16	6.600	10.27	9.60	2.37
0.617	1.58	3.617	3.16	6.617	10.27	9.62	2.37
0.633	1.58	3.633	3.16	6.633	10.27	9.63	2.37
0.650	1.58	3.650	3.16	6.650	10.27	9.65	2.37
0.667	1.58	3.667	3.16	6.667	10.27	9.67	2.37
0.683	1.58	3.683	3.16	6.683	10.27	9.68	2.37
0.700	1.58	3.700	3.16	6.700	10.27	9.70	2.37
0.717	1.58	3.717	3.16	6.717	10.27	9.72	2.37
0.733	1.58	3.733	3.16	6.733	10.27	9.73	2.37
0.750	1.58	3.750	3.16	6.750	10.26	9.75	2.37
0.767	1.58	3.767	3.16	6.767	6.32	9.77	1.58
0.783	1.58	3.783	3.16	6.783	6.32	9.78	1.58
0.800	1.58	3.800	3.16	6.800	6.32	9.80	1.58
0.817	1.58	3.817	3.16	6.817	6.32	9.82	1.58
0.833	1.58	3.833	3.16	6.833	6.32	9.83	1.58
0.850	1.58	3.850	3.16	6.850	6.32	9.85	1.58
0.867	1.58	3.867	3.16	6.867	6.32	9.87	1.58
0.883	1.58	3.883	3.16	6.883	6.32	9.88	1.58
0.900	1.58	3.900	3.16	6.900	6.32	9.90	1.58
0.917	1.58	3.917	3.16	6.917	6.32	9.92	1.58
0.933	1.58	3.933	3.16	6.933	6.32	9.93	1.58
0.950	1.58	3.950	3.16	6.950	6.32	9.95	1.58
0.967	1.58	3.967	3.16	6.967	6.32	9.97	1.58
0.983	1.58	3.983	3.16	6.983	6.32	9.98	1.58
1.000	1.58	4.000	3.16	7.000	6.32	10.00	1.58
1.017	1.58	4.017	3.95	7.017	5.53	10.02	1.58
1.033	1.58	4.033	3.95	7.033	5.53	10.03	1.58
1.050	1.58	4.050	3.95	7.050	5.53	10.05	1.58
1.067	1.58	4.067	3.95	7.067	5.53	10.07	1.58
1.083	1.58	4.083	3.95	7.083	5.53	10.08	1.58
1.100	1.58	4.100	3.95	7.100	5.53	10.10	1.58
1.117	1.58	4.117	3.95	7.117	5.53	10.12	1.58
1.133	1.58	4.133	3.95	7.133	5.53	10.13	1.58
1.150	1.58	4.150	3.95	7.150	5.53	10.15	1.58
1.167	1.58	4.167	3.95	7.167	5.53	10.17	1.58
1.183	1.58	4.183	3.95	7.183	5.53	10.18	1.58
1.200	1.58	4.200	3.95	7.200	5.53	10.20	1.58
1.217	1.58	4.217	3.95	7.217	5.53	10.22	1.58
1.233	1.58	4.233	3.95	7.233	5.53	10.23	1.58
1.250	1.58	4.250	3.95	7.250	5.53	10.25	1.58
1.267	1.58	4.267	4.74	7.267	4.74	10.27	1.58
1.283	1.58	4.283	4.74	7.283	4.74	10.28	1.58
1.300	1.58	4.300	4.74	7.300	4.74	10.30	1.58
1.317	1.58	4.317	4.74	7.317	4.74	10.32	1.58
1.333	1.58	4.333	4.74	7.333	4.74	10.33	1.58
1.350	1.58	4.350	4.74	7.350	4.74	10.35	1.58
1.367	1.58	4.367	4.74	7.367	4.74	10.37	1.58
1.383	1.58	4.383	4.74	7.383	4.74	10.38	1.58
1.400	1.58	4.400	4.74	7.400	4.74	10.40	1.58
1.417	1.58	4.417	4.74	7.417	4.74	10.42	1.58
1.433	1.58	4.433	4.74	7.433	4.74	10.43	1.58
1.450	1.58	4.450	4.74	7.450	4.74	10.45	1.58
1.467	1.58	4.467	4.74	7.467	4.74	10.47	1.58
1.483	1.58	4.483	4.74	7.483	4.74	10.48	1.58
1.500	1.58	4.500	4.74	7.500	4.74	10.50	1.58
1.517	1.58	4.517	5.53	7.517	4.74	10.52	1.58
1.533	1.58	4.533	5.53	7.533	4.74	10.53	1.58
1.550	1.58	4.550	5.53	7.550	4.74	10.55	1.58
1.567	1.58	4.567	5.53	7.567	4.74	10.57	1.58
1.583	1.58	4.583	5.53	7.583	4.74	10.58	1.58
1.600	1.58	4.600	5.53	7.600	4.74	10.60	1.58
1.617	1.58	4.617	5.53	7.617	4.74	10.62	1.58
1.633	1.58	4.633	5.53	7.633	4.74	10.63	1.58
1.650	1.58	4.650	5.53	7.650	4.74	10.65	1.58
1.667	1.58	4.667	5.53	7.667	4.74	10.67	1.58
1.683	1.58	4.683	5.53	7.683	4.74	10.68	1.58
1.700	1.58	4.700	5.53	7.700	4.74	10.70	1.58
1.717	1.58	4.717	5.53	7.717	4.74	10.72	1.58
1.733	1.58	4.733	5.53	7.733	4.74	10.73	1.58
1.750	1.58	4.750	5.53	7.750	4.74	10.75	1.58
1.767	1.58	4.767	6.32	7.767	4.74	10.77	1.58
1.783	1.58	4.783	6.32	7.783	4.74	10.78	1.58
1.800	1.58	4.800	6.32	7.800	4.74	10.80	1.58
1.817	1.58	4.817	6.32	7.817	4.74	10.82	1.58
1.833	1.58	4.833	6.32	7.833	4.74	10.83	1.58
1.850	1.58	4.850	6.32	7.850	4.74	10.85	1.58
1.867	1.58	4.867	6.32	7.867	4.74	10.87	1.58
1.883	1.58	4.883	6.32	7.883	4.74	10.88	1.58
1.900	1.58	4.900	6.32	7.900	4.74	10.90	1.58

1.917	1.58	4.917	6.32	7.917	4.74	10.92	1.58
1.933	1.58	4.933	6.32	7.933	4.74	10.93	1.58
1.950	1.58	4.950	6.32	7.950	4.74	10.95	1.58
1.967	1.58	4.967	6.32	7.967	4.74	10.97	1.58
1.983	1.58	4.983	6.32	7.983	4.74	10.98	1.58
2.000	1.58	5.000	6.32	8.000	4.74	11.00	1.58
2.017	2.37	5.017	7.90	8.017	3.95	11.02	1.58
2.033	2.37	5.033	7.90	8.033	3.95	11.03	1.58
2.050	2.37	5.050	7.90	8.050	3.95	11.05	1.58
2.067	2.37	5.067	7.90	8.067	3.95	11.07	1.58
2.083	2.37	5.083	7.90	8.083	3.95	11.08	1.58
2.100	2.37	5.100	7.90	8.100	3.95	11.10	1.58
2.117	2.37	5.117	7.90	8.117	3.95	11.12	1.58
2.133	2.37	5.133	7.90	8.133	3.95	11.13	1.58
2.150	2.37	5.150	7.90	8.150	3.95	11.15	1.58
2.167	2.37	5.167	7.90	8.167	3.95	11.17	1.58
2.183	2.37	5.183	7.90	8.183	3.95	11.18	1.58
2.200	2.37	5.200	7.90	8.200	3.95	11.20	1.58
2.217	2.37	5.217	7.90	8.217	3.95	11.22	1.58
2.233	2.37	5.233	7.90	8.233	3.95	11.23	1.58
2.250	2.37	5.250	7.90	8.250	3.95	11.25	1.58
2.267	3.16	5.267	9.48	8.267	3.16	11.27	1.58
2.283	3.16	5.283	9.48	8.283	3.16	11.28	1.58
2.300	3.16	5.300	9.48	8.300	3.16	11.30	1.58
2.317	3.16	5.317	9.48	8.317	3.16	11.32	1.58
2.333	3.16	5.333	9.48	8.333	3.16	11.33	1.58
2.350	3.16	5.350	9.48	8.350	3.16	11.35	1.58
2.367	3.16	5.367	9.48	8.367	3.16	11.37	1.58
2.383	3.16	5.383	9.48	8.383	3.16	11.38	1.58
2.400	3.16	5.400	9.48	8.400	3.16	11.40	1.58
2.417	3.16	5.417	9.48	8.417	3.16	11.42	1.58
2.433	3.16	5.433	9.48	8.433	3.16	11.43	1.58
2.450	3.16	5.450	9.48	8.450	3.16	11.45	1.58
2.467	3.16	5.467	9.48	8.467	3.16	11.47	1.58
2.483	3.16	5.483	9.48	8.483	3.16	11.48	1.58
2.500	3.16	5.500	9.51	8.500	3.16	11.50	1.58
2.517	3.16	5.517	40.30	8.517	3.16	11.52	1.58
2.533	3.16	5.533	40.30	8.533	3.16	11.53	1.58
2.550	3.16	5.550	40.30	8.550	3.16	11.55	1.58
2.567	3.16	5.567	40.30	8.567	3.16	11.57	1.58
2.583	3.16	5.583	40.30	8.583	3.16	11.58	1.58
2.600	3.16	5.600	40.30	8.600	3.16	11.60	1.58
2.617	3.16	5.617	40.30	8.617	3.16	11.62	1.58
2.633	3.16	5.633	40.30	8.633	3.16	11.63	1.58
2.650	3.16	5.650	40.30	8.650	3.16	11.65	1.58
2.667	3.16	5.667	40.30	8.667	3.16	11.67	1.58
2.683	3.16	5.683	40.30	8.683	3.16	11.68	1.58
2.700	3.16	5.700	40.30	8.700	3.16	11.70	1.58
2.717	3.16	5.717	40.30	8.717	3.16	11.72	1.58
2.733	3.16	5.733	40.30	8.733	3.16	11.73	1.58
2.750	3.16	5.750	40.34	8.750	3.16	11.75	1.58
2.767	3.16	5.767	71.12	8.767	3.16	11.77	1.58
2.783	3.16	5.783	71.12	8.783	3.16	11.78	1.58
2.800	3.16	5.800	71.12	8.800	3.16	11.80	1.58
2.817	3.16	5.817	71.12	8.817	3.16	11.82	1.58
2.833	3.16	5.833	71.12	8.833	3.16	11.83	1.58
2.850	3.16	5.850	71.12	8.850	3.16	11.85	1.58
2.867	3.16	5.867	71.12	8.867	3.16	11.87	1.58
2.883	3.16	5.883	71.12	8.883	3.16	11.88	1.58
2.900	3.16	5.900	71.12	8.900	3.16	11.90	1.58
2.917	3.16	5.917	71.12	8.917	3.16	11.92	1.58
2.933	3.16	5.933	71.12	8.933	3.16	11.93	1.58
2.950	3.16	5.950	71.12	8.950	3.16	11.95	1.58
2.967	3.16	5.967	71.12	8.967	3.16	11.97	1.58
2.983	3.16	5.983	71.12	8.983	3.16	11.98	1.58
3.000	3.16	6.000	71.08	9.000	3.16	12.00	1.58

Max.Eff.Inten.(mm/hr)= 71.12 25.43
over (min) 5.00 18.00
Storage Coeff. (min)= 5.28 (ii) 17.49 (ii)
Unit Hyd. Tpeak (min)= 5.00 18.00
Unit Hyd. peak (cms)= 0.22 0.06

TOTALS

PEAK FLOW (cms)= 0.97 0.49 1.274 (iii)
TIME TO PEAK (hrs)= 6.00 6.30 6.03
RUNOFF VOLUME (mm)= 76.82 21.96 38.42
TOTAL RAINFALL (mm)= 78.82 78.82 78.82
RUNOFF COEFFICIENT = 0.97 0.28 0.49

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.

(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)					
1 + 2 = 3					
		AREA	QPEAK	TPEAK	R.V.
		(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0012):		1.18	0.071	6.02	31.68
+ ID2= 2 (0203):		17.16	1.274	6.03	38.42
=====					
ID = 3 (0082):		18.34	1.345	6.03	37.98

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)		OVERFLOW IS OFF			
IN= 2----> OUT= 1					
DT= 5.0 min					

	OUTFLOW	STORAGE		OUTFLOW	STORAGE
	(cms)	(ha.m.)		(cms)	(ha.m.)
	0.0000	0.0000		0.0940	0.3600
	0.0120	0.2100		0.1210	0.4000
	0.0550	0.2600		0.1500	0.4500
	0.0620	0.3000		0.3000	0.7210
=====					
	AREA	QPEAK	TPEAK	R.V.	
	(ha)	(cms)	(hrs)	(mm)	
INFLOW : ID= 2 (0082)	18.340	1.345	6.03	37.98	
OUTFLOW: ID= 1 (0002)	18.340	0.163	7.70	28.94	

PEAK FLOW REDUCTION [Qout/Qin](%)= 12.13
TIME SHIFT OF PEAK FLOW (min)=100.00
MAXIMUM STORAGE USED (ha.m.)= 0.4737

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)					
1 + 2 = 3					
	AREA	QPEAK	TPEAK	R.V.	
	(ha)	(cms)	(hrs)	(mm)	
ID1= 1 (0017):	31.32	1.084	6.45	22.37	
+ ID2= 2 (0002):	18.34	0.163	7.70	28.94	
=====					
ID = 3 (0089):	49.66	1.200	6.48	24.80	

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:3.5 SCS II 12hr 50yr **

CALIB					
NASHYD (0087)					
ID= 1 DT= 1.0 min					
	Area	(ha)=	15.86	Curve Number	(CN)= 62.0
	Ia	(mm)=	4.60	# of Linear Res.(N)=	3.00
	U.H. Tp	(hrs)=	0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.87	3.017	3.50	6.017	47.24	9.02	3.50
0.033	0.87	3.033	3.50	6.033	47.24	9.03	3.50
0.050	0.87	3.050	3.50	6.050	47.24	9.05	3.50
0.067	0.87	3.067	3.50	6.067	47.24	9.07	3.50
0.083	0.87	3.083	3.50	6.083	47.24	9.08	3.50
0.100	0.87	3.100	3.50	6.100	47.24	9.10	3.50
0.117	0.87	3.117	3.50	6.117	47.24	9.12	3.50
0.133	0.87	3.133	3.50	6.133	47.24	9.13	3.50
0.150	0.87	3.150	3.50	6.150	47.24	9.15	3.50
0.167	0.87	3.167	3.50	6.167	47.24	9.17	3.50
0.183	0.87	3.183	3.50	6.183	47.24	9.18	3.50
0.200	0.87	3.200	3.50	6.200	47.24	9.20	3.50
0.217	0.87	3.217	3.50	6.217	47.24	9.22	3.50
0.233	0.87	3.233	3.50	6.233	47.24	9.23	3.50
0.250	0.87	3.250	3.50	6.250	47.19	9.25	3.50
0.267	1.75	3.267	3.50	6.267	15.75	9.27	3.50
0.283	1.75	3.283	3.50	6.283	15.75	9.28	3.50
0.300	1.75	3.300	3.50	6.300	15.75	9.30	3.50
0.317	1.75	3.317	3.50	6.317	15.75	9.32	3.50
0.333	1.75	3.333	3.50	6.333	15.75	9.33	3.50
0.350	1.75	3.350	3.50	6.350	15.75	9.35	3.50

0.367	1.75	3.367	3.50	6.367	15.75	9.37	3.50
0.383	1.75	3.383	3.50	6.383	15.75	9.38	3.50
0.400	1.75	3.400	3.50	6.400	15.75	9.40	3.50
0.417	1.75	3.417	3.50	6.417	15.75	9.42	3.50
0.433	1.75	3.433	3.50	6.433	15.75	9.43	3.50
0.450	1.75	3.450	3.50	6.450	15.75	9.45	3.50
0.467	1.75	3.467	3.50	6.467	15.75	9.47	3.50
0.483	1.75	3.483	3.50	6.483	15.75	9.48	3.50
0.500	1.75	3.500	3.50	6.500	15.74	9.50	3.50
0.517	1.75	3.517	3.50	6.517	11.37	9.52	2.62
0.533	1.75	3.533	3.50	6.533	11.37	9.53	2.62
0.550	1.75	3.550	3.50	6.550	11.37	9.55	2.62
0.567	1.75	3.567	3.50	6.567	11.37	9.57	2.62
0.583	1.75	3.583	3.50	6.583	11.37	9.58	2.62
0.600	1.75	3.600	3.50	6.600	11.37	9.60	2.62
0.617	1.75	3.617	3.50	6.617	11.37	9.62	2.62
0.633	1.75	3.633	3.50	6.633	11.37	9.63	2.62
0.650	1.75	3.650	3.50	6.650	11.37	9.65	2.62
0.667	1.75	3.667	3.50	6.667	11.37	9.67	2.62
0.683	1.75	3.683	3.50	6.683	11.37	9.68	2.62
0.700	1.75	3.700	3.50	6.700	11.37	9.70	2.62
0.717	1.75	3.717	3.50	6.717	11.37	9.72	2.62
0.733	1.75	3.733	3.50	6.733	11.37	9.73	2.62
0.750	1.75	3.750	3.50	6.750	11.36	9.75	2.62
0.767	1.75	3.767	3.50	6.767	7.00	9.77	1.75
0.783	1.75	3.783	3.50	6.783	7.00	9.78	1.75
0.800	1.75	3.800	3.50	6.800	7.00	9.80	1.75
0.817	1.75	3.817	3.50	6.817	7.00	9.82	1.75
0.833	1.75	3.833	3.50	6.833	7.00	9.83	1.75
0.850	1.75	3.850	3.50	6.850	7.00	9.85	1.75
0.867	1.75	3.867	3.50	6.867	7.00	9.87	1.75
0.883	1.75	3.883	3.50	6.883	7.00	9.88	1.75
0.900	1.75	3.900	3.50	6.900	7.00	9.90	1.75
0.917	1.75	3.917	3.50	6.917	7.00	9.92	1.75
0.933	1.75	3.933	3.50	6.933	7.00	9.93	1.75
0.950	1.75	3.950	3.50	6.950	7.00	9.95	1.75
0.967	1.75	3.967	3.50	6.967	7.00	9.97	1.75
0.983	1.75	3.983	3.50	6.983	7.00	9.98	1.75
1.000	1.75	4.000	3.50	7.000	7.00	10.00	1.75
1.017	1.75	4.017	4.37	7.017	6.12	10.02	1.75
1.033	1.75	4.033	4.37	7.033	6.12	10.03	1.75
1.050	1.75	4.050	4.37	7.050	6.12	10.05	1.75
1.067	1.75	4.067	4.37	7.067	6.12	10.07	1.75
1.083	1.75	4.083	4.37	7.083	6.12	10.08	1.75
1.100	1.75	4.100	4.37	7.100	6.12	10.10	1.75
1.117	1.75	4.117	4.37	7.117	6.12	10.12	1.75
1.133	1.75	4.133	4.37	7.133	6.12	10.13	1.75
1.150	1.75	4.150	4.37	7.150	6.12	10.15	1.75
1.167	1.75	4.167	4.37	7.167	6.12	10.17	1.75
1.183	1.75	4.183	4.37	7.183	6.12	10.18	1.75
1.200	1.75	4.200	4.37	7.200	6.12	10.20	1.75
1.217	1.75	4.217	4.37	7.217	6.12	10.22	1.75
1.233	1.75	4.233	4.37	7.233	6.12	10.23	1.75
1.250	1.75	4.250	4.37	7.250	6.12	10.25	1.75
1.267	1.75	4.267	5.25	7.267	5.25	10.27	1.75
1.283	1.75	4.283	5.25	7.283	5.25	10.28	1.75
1.300	1.75	4.300	5.25	7.300	5.25	10.30	1.75
1.317	1.75	4.317	5.25	7.317	5.25	10.32	1.75
1.333	1.75	4.333	5.25	7.333	5.25	10.33	1.75
1.350	1.75	4.350	5.25	7.350	5.25	10.35	1.75
1.367	1.75	4.367	5.25	7.367	5.25	10.37	1.75
1.383	1.75	4.383	5.25	7.383	5.25	10.38	1.75
1.400	1.75	4.400	5.25	7.400	5.25	10.40	1.75
1.417	1.75	4.417	5.25	7.417	5.25	10.42	1.75
1.433	1.75	4.433	5.25	7.433	5.25	10.43	1.75
1.450	1.75	4.450	5.25	7.450	5.25	10.45	1.75
1.467	1.75	4.467	5.25	7.467	5.25	10.47	1.75
1.483	1.75	4.483	5.25	7.483	5.25	10.48	1.75
1.500	1.75	4.500	5.25	7.500	5.25	10.50	1.75
1.517	1.75	4.517	6.12	7.517	5.25	10.52	1.75
1.533	1.75	4.533	6.12	7.533	5.25	10.53	1.75
1.550	1.75	4.550	6.12	7.550	5.25	10.55	1.75
1.567	1.75	4.567	6.12	7.567	5.25	10.57	1.75
1.583	1.75	4.583	6.12	7.583	5.25	10.58	1.75
1.600	1.75	4.600	6.12	7.600	5.25	10.60	1.75
1.617	1.75	4.617	6.12	7.617	5.25	10.62	1.75
1.633	1.75	4.633	6.12	7.633	5.25	10.63	1.75
1.650	1.75	4.650	6.12	7.650	5.25	10.65	1.75
1.667	1.75	4.667	6.12	7.667	5.25	10.67	1.75
1.683	1.75	4.683	6.12	7.683	5.25	10.68	1.75
1.700	1.75	4.700	6.12	7.700	5.25	10.70	1.75
1.717	1.75	4.717	6.12	7.717	5.25	10.72	1.75
1.733	1.75	4.733	6.12	7.733	5.25	10.73	1.75
1.750	1.75	4.750	6.12	7.750	5.25	10.75	1.75

1.767	1.75	4.767	7.00	7.767	5.25	10.77	1.75
1.783	1.75	4.783	7.00	7.783	5.25	10.78	1.75
1.800	1.75	4.800	7.00	7.800	5.25	10.80	1.75
1.817	1.75	4.817	7.00	7.817	5.25	10.82	1.75
1.833	1.75	4.833	7.00	7.833	5.25	10.83	1.75
1.850	1.75	4.850	7.00	7.850	5.25	10.85	1.75
1.867	1.75	4.867	7.00	7.867	5.25	10.87	1.75
1.883	1.75	4.883	7.00	7.883	5.25	10.88	1.75
1.900	1.75	4.900	7.00	7.900	5.25	10.90	1.75
1.917	1.75	4.917	7.00	7.917	5.25	10.92	1.75
1.933	1.75	4.933	7.00	7.933	5.25	10.93	1.75
1.950	1.75	4.950	7.00	7.950	5.25	10.95	1.75
1.967	1.75	4.967	7.00	7.967	5.25	10.97	1.75
1.983	1.75	4.983	7.00	7.983	5.25	10.98	1.75
2.000	1.75	5.000	7.00	8.000	5.25	11.00	1.75
2.017	2.62	5.017	8.75	8.017	4.37	11.02	1.75
2.033	2.62	5.033	8.75	8.033	4.37	11.03	1.75
2.050	2.62	5.050	8.75	8.050	4.37	11.05	1.75
2.067	2.62	5.067	8.75	8.067	4.37	11.07	1.75
2.083	2.62	5.083	8.75	8.083	4.37	11.08	1.75
2.100	2.62	5.100	8.75	8.100	4.37	11.10	1.75
2.117	2.62	5.117	8.75	8.117	4.37	11.12	1.75
2.133	2.62	5.133	8.75	8.133	4.37	11.13	1.75
2.150	2.62	5.150	8.75	8.150	4.37	11.15	1.75
2.167	2.62	5.167	8.75	8.167	4.37	11.17	1.75
2.183	2.62	5.183	8.75	8.183	4.37	11.18	1.75
2.200	2.62	5.200	8.75	8.200	4.37	11.20	1.75
2.217	2.62	5.217	8.75	8.217	4.37	11.22	1.75
2.233	2.62	5.233	8.75	8.233	4.37	11.23	1.75
2.250	2.62	5.250	8.75	8.250	4.37	11.25	1.75
2.267	3.50	5.267	10.50	8.267	3.50	11.27	1.75
2.283	3.50	5.283	10.50	8.283	3.50	11.28	1.75
2.300	3.50	5.300	10.50	8.300	3.50	11.30	1.75
2.317	3.50	5.317	10.50	8.317	3.50	11.32	1.75
2.333	3.50	5.333	10.50	8.333	3.50	11.33	1.75
2.350	3.50	5.350	10.50	8.350	3.50	11.35	1.75
2.367	3.50	5.367	10.50	8.367	3.50	11.37	1.75
2.383	3.50	5.383	10.50	8.383	3.50	11.38	1.75
2.400	3.50	5.400	10.50	8.400	3.50	11.40	1.75
2.417	3.50	5.417	10.50	8.417	3.50	11.42	1.75
2.433	3.50	5.433	10.50	8.433	3.50	11.43	1.75
2.450	3.50	5.450	10.50	8.450	3.50	11.45	1.75
2.467	3.50	5.467	10.50	8.467	3.50	11.47	1.75
2.483	3.50	5.483	10.50	8.483	3.50	11.48	1.75
2.500	3.50	5.500	10.53	8.500	3.50	11.50	1.75
2.517	3.50	5.517	44.61	8.517	3.50	11.52	1.75
2.533	3.50	5.533	44.61	8.533	3.50	11.53	1.75
2.550	3.50	5.550	44.61	8.550	3.50	11.55	1.75
2.567	3.50	5.567	44.61	8.567	3.50	11.57	1.75
2.583	3.50	5.583	44.61	8.583	3.50	11.58	1.75
2.600	3.50	5.600	44.61	8.600	3.50	11.60	1.75
2.617	3.50	5.617	44.61	8.617	3.50	11.62	1.75
2.633	3.50	5.633	44.61	8.633	3.50	11.63	1.75
2.650	3.50	5.650	44.61	8.650	3.50	11.65	1.75
2.667	3.50	5.667	44.61	8.667	3.50	11.67	1.75
2.683	3.50	5.683	44.61	8.683	3.50	11.68	1.75
2.700	3.50	5.700	44.61	8.700	3.50	11.70	1.75
2.717	3.50	5.717	44.61	8.717	3.50	11.72	1.75
2.733	3.50	5.733	44.61	8.733	3.50	11.73	1.75
2.750	3.50	5.750	44.66	8.750	3.50	11.75	1.75
2.767	3.50	5.767	78.73	8.767	3.50	11.77	1.75
2.783	3.50	5.783	78.73	8.783	3.50	11.78	1.75
2.800	3.50	5.800	78.73	8.800	3.50	11.80	1.75
2.817	3.50	5.817	78.73	8.817	3.50	11.82	1.75
2.833	3.50	5.833	78.73	8.833	3.50	11.83	1.75
2.850	3.50	5.850	78.73	8.850	3.50	11.85	1.75
2.867	3.50	5.867	78.73	8.867	3.50	11.87	1.75
2.883	3.50	5.883	78.73	8.883	3.50	11.88	1.75
2.900	3.50	5.900	78.73	8.900	3.50	11.90	1.75
2.917	3.50	5.917	78.73	8.917	3.50	11.92	1.75
2.933	3.50	5.933	78.73	8.933	3.50	11.93	1.75
2.950	3.50	5.950	78.73	8.950	3.50	11.95	1.75
2.967	3.50	5.967	78.73	8.967	3.50	11.97	1.75
2.983	3.50	5.983	78.73	8.983	3.50	11.98	1.75
3.000	3.50	6.000	78.69	9.000	3.50	12.00	1.75

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.749 (i)
TIME TO PEAK (hrs)= 6.433
RUNOFF VOLUME (mm)= 28.668
TOTAL RAINFALL (mm)= 87.261
RUNOFF COEFFICIENT = 0.329

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.87	3.017	3.50	6.017	47.24	9.02	3.50
0.033	0.87	3.033	3.50	6.033	47.24	9.03	3.50
0.050	0.87	3.050	3.50	6.050	47.24	9.05	3.50
0.067	0.87	3.067	3.50	6.067	47.24	9.07	3.50
0.083	0.87	3.083	3.50	6.083	47.24	9.08	3.50
0.100	0.87	3.100	3.50	6.100	47.24	9.10	3.50
0.117	0.87	3.117	3.50	6.117	47.24	9.12	3.50
0.133	0.87	3.133	3.50	6.133	47.24	9.13	3.50
0.150	0.87	3.150	3.50	6.150	47.24	9.15	3.50
0.167	0.87	3.167	3.50	6.167	47.24	9.17	3.50
0.183	0.87	3.183	3.50	6.183	47.24	9.18	3.50
0.200	0.87	3.200	3.50	6.200	47.24	9.20	3.50
0.217	0.87	3.217	3.50	6.217	47.24	9.22	3.50
0.233	0.87	3.233	3.50	6.233	47.24	9.23	3.50
0.250	0.87	3.250	3.50	6.250	47.19	9.25	3.50
0.267	1.75	3.267	3.50	6.267	15.75	9.27	3.50
0.283	1.75	3.283	3.50	6.283	15.75	9.28	3.50
0.300	1.75	3.300	3.50	6.300	15.75	9.30	3.50
0.317	1.75	3.317	3.50	6.317	15.75	9.32	3.50
0.333	1.75	3.333	3.50	6.333	15.75	9.33	3.50
0.350	1.75	3.350	3.50	6.350	15.75	9.35	3.50
0.367	1.75	3.367	3.50	6.367	15.75	9.37	3.50
0.383	1.75	3.383	3.50	6.383	15.75	9.38	3.50
0.400	1.75	3.400	3.50	6.400	15.75	9.40	3.50
0.417	1.75	3.417	3.50	6.417	15.75	9.42	3.50
0.433	1.75	3.433	3.50	6.433	15.75	9.43	3.50
0.450	1.75	3.450	3.50	6.450	15.75	9.45	3.50
0.467	1.75	3.467	3.50	6.467	15.75	9.47	3.50
0.483	1.75	3.483	3.50	6.483	15.75	9.48	3.50
0.500	1.75	3.500	3.50	6.500	15.74	9.50	3.50
0.517	1.75	3.517	3.50	6.517	11.37	9.52	2.62
0.533	1.75	3.533	3.50	6.533	11.37	9.53	2.62
0.550	1.75	3.550	3.50	6.550	11.37	9.55	2.62
0.567	1.75	3.567	3.50	6.567	11.37	9.57	2.62
0.583	1.75	3.583	3.50	6.583	11.37	9.58	2.62
0.600	1.75	3.600	3.50	6.600	11.37	9.60	2.62
0.617	1.75	3.617	3.50	6.617	11.37	9.62	2.62
0.633	1.75	3.633	3.50	6.633	11.37	9.63	2.62
0.650	1.75	3.650	3.50	6.650	11.37	9.65	2.62
0.667	1.75	3.667	3.50	6.667	11.37	9.67	2.62
0.683	1.75	3.683	3.50	6.683	11.37	9.68	2.62
0.700	1.75	3.700	3.50	6.700	11.37	9.70	2.62
0.717	1.75	3.717	3.50	6.717	11.37	9.72	2.62
0.733	1.75	3.733	3.50	6.733	11.37	9.73	2.62
0.750	1.75	3.750	3.50	6.750	11.36	9.75	2.62
0.767	1.75	3.767	3.50	6.767	7.00	9.77	1.75
0.783	1.75	3.783	3.50	6.783	7.00	9.78	1.75
0.800	1.75	3.800	3.50	6.800	7.00	9.80	1.75
0.817	1.75	3.817	3.50	6.817	7.00	9.82	1.75
0.833	1.75	3.833	3.50	6.833	7.00	9.83	1.75
0.850	1.75	3.850	3.50	6.850	7.00	9.85	1.75
0.867	1.75	3.867	3.50	6.867	7.00	9.87	1.75
0.883	1.75	3.883	3.50	6.883	7.00	9.88	1.75
0.900	1.75	3.900	3.50	6.900	7.00	9.90	1.75
0.917	1.75	3.917	3.50	6.917	7.00	9.92	1.75
0.933	1.75	3.933	3.50	6.933	7.00	9.93	1.75
0.950	1.75	3.950	3.50	6.950	7.00	9.95	1.75
0.967	1.75	3.967	3.50	6.967	7.00	9.97	1.75
0.983	1.75	3.983	3.50	6.983	7.00	9.98	1.75
1.000	1.75	4.000	3.50	7.000	7.00	10.00	1.75
1.017	1.75	4.017	4.37	7.017	6.12	10.02	1.75
1.033	1.75	4.033	4.37	7.033	6.12	10.03	1.75
1.050	1.75	4.050	4.37	7.050	6.12	10.05	1.75
1.067	1.75	4.067	4.37	7.067	6.12	10.07	1.75
1.083	1.75	4.083	4.37	7.083	6.12	10.08	1.75
1.100	1.75	4.100	4.37	7.100	6.12	10.10	1.75
1.117	1.75	4.117	4.37	7.117	6.12	10.12	1.75
1.133	1.75	4.133	4.37	7.133	6.12	10.13	1.75
1.150	1.75	4.150	4.37	7.150	6.12	10.15	1.75

1.167	1.75	4.167	4.37	7.167	6.12	10.17	1.75
1.183	1.75	4.183	4.37	7.183	6.12	10.18	1.75
1.200	1.75	4.200	4.37	7.200	6.12	10.20	1.75
1.217	1.75	4.217	4.37	7.217	6.12	10.22	1.75
1.233	1.75	4.233	4.37	7.233	6.12	10.23	1.75
1.250	1.75	4.250	4.37	7.250	6.12	10.25	1.75
1.267	1.75	4.267	5.25	7.267	5.25	10.27	1.75
1.283	1.75	4.283	5.25	7.283	5.25	10.28	1.75
1.300	1.75	4.300	5.25	7.300	5.25	10.30	1.75
1.317	1.75	4.317	5.25	7.317	5.25	10.32	1.75
1.333	1.75	4.333	5.25	7.333	5.25	10.33	1.75
1.350	1.75	4.350	5.25	7.350	5.25	10.35	1.75
1.367	1.75	4.367	5.25	7.367	5.25	10.37	1.75
1.383	1.75	4.383	5.25	7.383	5.25	10.38	1.75
1.400	1.75	4.400	5.25	7.400	5.25	10.40	1.75
1.417	1.75	4.417	5.25	7.417	5.25	10.42	1.75
1.433	1.75	4.433	5.25	7.433	5.25	10.43	1.75
1.450	1.75	4.450	5.25	7.450	5.25	10.45	1.75
1.467	1.75	4.467	5.25	7.467	5.25	10.47	1.75
1.483	1.75	4.483	5.25	7.483	5.25	10.48	1.75
1.500	1.75	4.500	5.25	7.500	5.25	10.50	1.75
1.517	1.75	4.517	6.12	7.517	5.25	10.52	1.75
1.533	1.75	4.533	6.12	7.533	5.25	10.53	1.75
1.550	1.75	4.550	6.12	7.550	5.25	10.55	1.75
1.567	1.75	4.567	6.12	7.567	5.25	10.57	1.75
1.583	1.75	4.583	6.12	7.583	5.25	10.58	1.75
1.600	1.75	4.600	6.12	7.600	5.25	10.60	1.75
1.617	1.75	4.617	6.12	7.617	5.25	10.62	1.75
1.633	1.75	4.633	6.12	7.633	5.25	10.63	1.75
1.650	1.75	4.650	6.12	7.650	5.25	10.65	1.75
1.667	1.75	4.667	6.12	7.667	5.25	10.67	1.75
1.683	1.75	4.683	6.12	7.683	5.25	10.68	1.75
1.700	1.75	4.700	6.12	7.700	5.25	10.70	1.75
1.717	1.75	4.717	6.12	7.717	5.25	10.72	1.75
1.733	1.75	4.733	6.12	7.733	5.25	10.73	1.75
1.750	1.75	4.750	6.12	7.750	5.25	10.75	1.75
1.767	1.75	4.767	7.00	7.767	5.25	10.77	1.75
1.783	1.75	4.783	7.00	7.783	5.25	10.78	1.75
1.800	1.75	4.800	7.00	7.800	5.25	10.80	1.75
1.817	1.75	4.817	7.00	7.817	5.25	10.82	1.75
1.833	1.75	4.833	7.00	7.833	5.25	10.83	1.75
1.850	1.75	4.850	7.00	7.850	5.25	10.85	1.75
1.867	1.75	4.867	7.00	7.867	5.25	10.87	1.75
1.883	1.75	4.883	7.00	7.883	5.25	10.88	1.75
1.900	1.75	4.900	7.00	7.900	5.25	10.90	1.75
1.917	1.75	4.917	7.00	7.917	5.25	10.92	1.75
1.933	1.75	4.933	7.00	7.933	5.25	10.93	1.75
1.950	1.75	4.950	7.00	7.950	5.25	10.95	1.75
1.967	1.75	4.967	7.00	7.967	5.25	10.97	1.75
1.983	1.75	4.983	7.00	7.983	5.25	10.98	1.75
2.000	1.75	5.000	7.00	8.000	5.25	11.00	1.75
2.017	2.62	5.017	8.75	8.017	4.37	11.02	1.75
2.033	2.62	5.033	8.75	8.033	4.37	11.03	1.75
2.050	2.62	5.050	8.75	8.050	4.37	11.05	1.75
2.067	2.62	5.067	8.75	8.067	4.37	11.07	1.75
2.083	2.62	5.083	8.75	8.083	4.37	11.08	1.75
2.100	2.62	5.100	8.75	8.100	4.37	11.10	1.75
2.117	2.62	5.117	8.75	8.117	4.37	11.12	1.75
2.133	2.62	5.133	8.75	8.133	4.37	11.13	1.75
2.150	2.62	5.150	8.75	8.150	4.37	11.15	1.75
2.167	2.62	5.167	8.75	8.167	4.37	11.17	1.75
2.183	2.62	5.183	8.75	8.183	4.37	11.18	1.75
2.200	2.62	5.200	8.75	8.200	4.37	11.20	1.75
2.217	2.62	5.217	8.75	8.217	4.37	11.22	1.75
2.233	2.62	5.233	8.75	8.233	4.37	11.23	1.75
2.250	2.62	5.250	8.75	8.250	4.37	11.25	1.75
2.267	3.50	5.267	10.50	8.267	3.50	11.27	1.75
2.283	3.50	5.283	10.50	8.283	3.50	11.28	1.75
2.300	3.50	5.300	10.50	8.300	3.50	11.30	1.75
2.317	3.50	5.317	10.50	8.317	3.50	11.32	1.75
2.333	3.50	5.333	10.50	8.333	3.50	11.33	1.75
2.350	3.50	5.350	10.50	8.350	3.50	11.35	1.75
2.367	3.50	5.367	10.50	8.367	3.50	11.37	1.75
2.383	3.50	5.383	10.50	8.383	3.50	11.38	1.75
2.400	3.50	5.400	10.50	8.400	3.50	11.40	1.75
2.417	3.50	5.417	10.50	8.417	3.50	11.42	1.75
2.433	3.50	5.433	10.50	8.433	3.50	11.43	1.75
2.450	3.50	5.450	10.50	8.450	3.50	11.45	1.75
2.467	3.50	5.467	10.50	8.467	3.50	11.47	1.75
2.483	3.50	5.483	10.50	8.483	3.50	11.48	1.75
2.500	3.50	5.500	10.53	8.500	3.50	11.50	1.75
2.517	3.50	5.517	44.61	8.517	3.50	11.52	1.75
2.533	3.50	5.533	44.61	8.533	3.50	11.53	1.75
2.550	3.50	5.550	44.61	8.550	3.50	11.55	1.75

2.567	3.50	5.567	44.61	8.567	3.50	11.57	1.75
2.583	3.50	5.583	44.61	8.583	3.50	11.58	1.75
2.600	3.50	5.600	44.61	8.600	3.50	11.60	1.75
2.617	3.50	5.617	44.61	8.617	3.50	11.62	1.75
2.633	3.50	5.633	44.61	8.633	3.50	11.63	1.75
2.650	3.50	5.650	44.61	8.650	3.50	11.65	1.75
2.667	3.50	5.667	44.61	8.667	3.50	11.67	1.75
2.683	3.50	5.683	44.61	8.683	3.50	11.68	1.75
2.700	3.50	5.700	44.61	8.700	3.50	11.70	1.75
2.717	3.50	5.717	44.61	8.717	3.50	11.72	1.75
2.733	3.50	5.733	44.61	8.733	3.50	11.73	1.75
2.750	3.50	5.750	44.66	8.750	3.50	11.75	1.75
2.767	3.50	5.767	78.73	8.767	3.50	11.77	1.75
2.783	3.50	5.783	78.73	8.783	3.50	11.78	1.75
2.800	3.50	5.800	78.73	8.800	3.50	11.80	1.75
2.817	3.50	5.817	78.73	8.817	3.50	11.82	1.75
2.833	3.50	5.833	78.73	8.833	3.50	11.83	1.75
2.850	3.50	5.850	78.73	8.850	3.50	11.85	1.75
2.867	3.50	5.867	78.73	8.867	3.50	11.87	1.75
2.883	3.50	5.883	78.73	8.883	3.50	11.88	1.75
2.900	3.50	5.900	78.73	8.900	3.50	11.90	1.75
2.917	3.50	5.917	78.73	8.917	3.50	11.92	1.75
2.933	3.50	5.933	78.73	8.933	3.50	11.93	1.75
2.950	3.50	5.950	78.73	8.950	3.50	11.95	1.75
2.967	3.50	5.967	78.73	8.967	3.50	11.97	1.75
2.983	3.50	5.983	78.73	8.983	3.50	11.98	1.75
3.000	3.50	6.000	78.69	9.000	3.50	12.00	1.75

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.513 (i)
TIME TO PEAK (hrs)= 6.500
RUNOFF VOLUME (mm)= 22.854
TOTAL RAINFALL (mm)= 87.261
RUNOFF COEFFICIENT = 0.262

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB					
STANDHYD (0204)	Area (ha)=	0.96			
ID= 1 DT= 1.0 min	Total Imp(%)=	68.00	Dir. Conn.(%)=	47.00	
	IMPERVIOUS		PERVIOUS (i)		
Surface Area	(ha)=	0.65	0.31		
Dep. Storage	(mm)=	2.00	5.00		
Average slope	(%)=	1.00	2.00		
Length	(m)=	267.45	40.00		
Mannings n	=	0.013	0.250		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.87	3.017	3.50	6.017	47.24	9.02	3.50
0.033	0.87	3.033	3.50	6.033	47.24	9.03	3.50
0.050	0.87	3.050	3.50	6.050	47.24	9.05	3.50
0.067	0.87	3.067	3.50	6.067	47.24	9.07	3.50
0.083	0.87	3.083	3.50	6.083	47.24	9.08	3.50
0.100	0.87	3.100	3.50	6.100	47.24	9.10	3.50
0.117	0.87	3.117	3.50	6.117	47.24	9.12	3.50
0.133	0.87	3.133	3.50	6.133	47.24	9.13	3.50
0.150	0.87	3.150	3.50	6.150	47.24	9.15	3.50
0.167	0.87	3.167	3.50	6.167	47.24	9.17	3.50
0.183	0.87	3.183	3.50	6.183	47.24	9.18	3.50
0.200	0.87	3.200	3.50	6.200	47.24	9.20	3.50
0.217	0.87	3.217	3.50	6.217	47.24	9.22	3.50
0.233	0.87	3.233	3.50	6.233	47.24	9.23	3.50
0.250	0.87	3.250	3.50	6.250	47.19	9.25	3.50
0.267	1.75	3.267	3.50	6.267	15.75	9.27	3.50
0.283	1.75	3.283	3.50	6.283	15.75	9.28	3.50
0.300	1.75	3.300	3.50	6.300	15.75	9.30	3.50
0.317	1.75	3.317	3.50	6.317	15.75	9.32	3.50
0.333	1.75	3.333	3.50	6.333	15.75	9.33	3.50
0.350	1.75	3.350	3.50	6.350	15.75	9.35	3.50
0.367	1.75	3.367	3.50	6.367	15.75	9.37	3.50
0.383	1.75	3.383	3.50	6.383	15.75	9.38	3.50
0.400	1.75	3.400	3.50	6.400	15.75	9.40	3.50
0.417	1.75	3.417	3.50	6.417	15.75	9.42	3.50
0.433	1.75	3.433	3.50	6.433	15.75	9.43	3.50
0.450	1.75	3.450	3.50	6.450	15.75	9.45	3.50

0.467	1.75	3.467	3.50	6.467	15.75	9.47	3.50
0.483	1.75	3.483	3.50	6.483	15.75	9.48	3.50
0.500	1.75	3.500	3.50	6.500	15.74	9.50	3.50
0.517	1.75	3.517	3.50	6.517	11.37	9.52	2.62
0.533	1.75	3.533	3.50	6.533	11.37	9.53	2.62
0.550	1.75	3.550	3.50	6.550	11.37	9.55	2.62
0.567	1.75	3.567	3.50	6.567	11.37	9.57	2.62
0.583	1.75	3.583	3.50	6.583	11.37	9.58	2.62
0.600	1.75	3.600	3.50	6.600	11.37	9.60	2.62
0.617	1.75	3.617	3.50	6.617	11.37	9.62	2.62
0.633	1.75	3.633	3.50	6.633	11.37	9.63	2.62
0.650	1.75	3.650	3.50	6.650	11.37	9.65	2.62
0.667	1.75	3.667	3.50	6.667	11.37	9.67	2.62
0.683	1.75	3.683	3.50	6.683	11.37	9.68	2.62
0.700	1.75	3.700	3.50	6.700	11.37	9.70	2.62
0.717	1.75	3.717	3.50	6.717	11.37	9.72	2.62
0.733	1.75	3.733	3.50	6.733	11.37	9.73	2.62
0.750	1.75	3.750	3.50	6.750	11.36	9.75	2.62
0.767	1.75	3.767	3.50	6.767	7.00	9.77	1.75
0.783	1.75	3.783	3.50	6.783	7.00	9.78	1.75
0.800	1.75	3.800	3.50	6.800	7.00	9.80	1.75
0.817	1.75	3.817	3.50	6.817	7.00	9.82	1.75
0.833	1.75	3.833	3.50	6.833	7.00	9.83	1.75
0.850	1.75	3.850	3.50	6.850	7.00	9.85	1.75
0.867	1.75	3.867	3.50	6.867	7.00	9.87	1.75
0.883	1.75	3.883	3.50	6.883	7.00	9.88	1.75
0.900	1.75	3.900	3.50	6.900	7.00	9.90	1.75
0.917	1.75	3.917	3.50	6.917	7.00	9.92	1.75
0.933	1.75	3.933	3.50	6.933	7.00	9.93	1.75
0.950	1.75	3.950	3.50	6.950	7.00	9.95	1.75
0.967	1.75	3.967	3.50	6.967	7.00	9.97	1.75
0.983	1.75	3.983	3.50	6.983	7.00	9.98	1.75
1.000	1.75	4.000	3.50	7.000	7.00	10.00	1.75
1.017	1.75	4.017	4.37	7.017	6.12	10.02	1.75
1.033	1.75	4.033	4.37	7.033	6.12	10.03	1.75
1.050	1.75	4.050	4.37	7.050	6.12	10.05	1.75
1.067	1.75	4.067	4.37	7.067	6.12	10.07	1.75
1.083	1.75	4.083	4.37	7.083	6.12	10.08	1.75
1.100	1.75	4.100	4.37	7.100	6.12	10.10	1.75
1.117	1.75	4.117	4.37	7.117	6.12	10.12	1.75
1.133	1.75	4.133	4.37	7.133	6.12	10.13	1.75
1.150	1.75	4.150	4.37	7.150	6.12	10.15	1.75
1.167	1.75	4.167	4.37	7.167	6.12	10.17	1.75
1.183	1.75	4.183	4.37	7.183	6.12	10.18	1.75
1.200	1.75	4.200	4.37	7.200	6.12	10.20	1.75
1.217	1.75	4.217	4.37	7.217	6.12	10.22	1.75
1.233	1.75	4.233	4.37	7.233	6.12	10.23	1.75
1.250	1.75	4.250	4.37	7.250	6.12	10.25	1.75
1.267	1.75	4.267	5.25	7.267	5.25	10.27	1.75
1.283	1.75	4.283	5.25	7.283	5.25	10.28	1.75
1.300	1.75	4.300	5.25	7.300	5.25	10.30	1.75
1.317	1.75	4.317	5.25	7.317	5.25	10.32	1.75
1.333	1.75	4.333	5.25	7.333	5.25	10.33	1.75
1.350	1.75	4.350	5.25	7.350	5.25	10.35	1.75
1.367	1.75	4.367	5.25	7.367	5.25	10.37	1.75
1.383	1.75	4.383	5.25	7.383	5.25	10.38	1.75
1.400	1.75	4.400	5.25	7.400	5.25	10.40	1.75
1.417	1.75	4.417	5.25	7.417	5.25	10.42	1.75
1.433	1.75	4.433	5.25	7.433	5.25	10.43	1.75
1.450	1.75	4.450	5.25	7.450	5.25	10.45	1.75
1.467	1.75	4.467	5.25	7.467	5.25	10.47	1.75
1.483	1.75	4.483	5.25	7.483	5.25	10.48	1.75
1.500	1.75	4.500	5.25	7.500	5.25	10.50	1.75
1.517	1.75	4.517	6.12	7.517	5.25	10.52	1.75
1.533	1.75	4.533	6.12	7.533	5.25	10.53	1.75
1.550	1.75	4.550	6.12	7.550	5.25	10.55	1.75
1.567	1.75	4.567	6.12	7.567	5.25	10.57	1.75
1.583	1.75	4.583	6.12	7.583	5.25	10.58	1.75
1.600	1.75	4.600	6.12	7.600	5.25	10.60	1.75
1.617	1.75	4.617	6.12	7.617	5.25	10.62	1.75
1.633	1.75	4.633	6.12	7.633	5.25	10.63	1.75
1.650	1.75	4.650	6.12	7.650	5.25	10.65	1.75
1.667	1.75	4.667	6.12	7.667	5.25	10.67	1.75
1.683	1.75	4.683	6.12	7.683	5.25	10.68	1.75
1.700	1.75	4.700	6.12	7.700	5.25	10.70	1.75
1.717	1.75	4.717	6.12	7.717	5.25	10.72	1.75
1.733	1.75	4.733	6.12	7.733	5.25	10.73	1.75
1.750	1.75	4.750	6.12	7.750	5.25	10.75	1.75
1.767	1.75	4.767	7.00	7.767	5.25	10.77	1.75
1.783	1.75	4.783	7.00	7.783	5.25	10.78	1.75
1.800	1.75	4.800	7.00	7.800	5.25	10.80	1.75
1.817	1.75	4.817	7.00	7.817	5.25	10.82	1.75
1.833	1.75	4.833	7.00	7.833	5.25	10.83	1.75
1.850	1.75	4.850	7.00	7.850	5.25	10.85	1.75

1.867	1.75	4.867	7.00	7.867	5.25	10.87	1.75
1.883	1.75	4.883	7.00	7.883	5.25	10.88	1.75
1.900	1.75	4.900	7.00	7.900	5.25	10.90	1.75
1.917	1.75	4.917	7.00	7.917	5.25	10.92	1.75
1.933	1.75	4.933	7.00	7.933	5.25	10.93	1.75
1.950	1.75	4.950	7.00	7.950	5.25	10.95	1.75
1.967	1.75	4.967	7.00	7.967	5.25	10.97	1.75
1.983	1.75	4.983	7.00	7.983	5.25	10.98	1.75
2.000	1.75	5.000	7.00	8.000	5.25	11.00	1.75
2.017	2.62	5.017	8.75	8.017	4.37	11.02	1.75
2.033	2.62	5.033	8.75	8.033	4.37	11.03	1.75
2.050	2.62	5.050	8.75	8.050	4.37	11.05	1.75
2.067	2.62	5.067	8.75	8.067	4.37	11.07	1.75
2.083	2.62	5.083	8.75	8.083	4.37	11.08	1.75
2.100	2.62	5.100	8.75	8.100	4.37	11.10	1.75
2.117	2.62	5.117	8.75	8.117	4.37	11.12	1.75
2.133	2.62	5.133	8.75	8.133	4.37	11.13	1.75
2.150	2.62	5.150	8.75	8.150	4.37	11.15	1.75
2.167	2.62	5.167	8.75	8.167	4.37	11.17	1.75
2.183	2.62	5.183	8.75	8.183	4.37	11.18	1.75
2.200	2.62	5.200	8.75	8.200	4.37	11.20	1.75
2.217	2.62	5.217	8.75	8.217	4.37	11.22	1.75
2.233	2.62	5.233	8.75	8.233	4.37	11.23	1.75
2.250	2.62	5.250	8.75	8.250	4.37	11.25	1.75
2.267	3.50	5.267	10.50	8.267	3.50	11.27	1.75
2.283	3.50	5.283	10.50	8.283	3.50	11.28	1.75
2.300	3.50	5.300	10.50	8.300	3.50	11.30	1.75
2.317	3.50	5.317	10.50	8.317	3.50	11.32	1.75
2.333	3.50	5.333	10.50	8.333	3.50	11.33	1.75
2.350	3.50	5.350	10.50	8.350	3.50	11.35	1.75
2.367	3.50	5.367	10.50	8.367	3.50	11.37	1.75
2.383	3.50	5.383	10.50	8.383	3.50	11.38	1.75
2.400	3.50	5.400	10.50	8.400	3.50	11.40	1.75
2.417	3.50	5.417	10.50	8.417	3.50	11.42	1.75
2.433	3.50	5.433	10.50	8.433	3.50	11.43	1.75
2.450	3.50	5.450	10.50	8.450	3.50	11.45	1.75
2.467	3.50	5.467	10.50	8.467	3.50	11.47	1.75
2.483	3.50	5.483	10.50	8.483	3.50	11.48	1.75
2.500	3.50	5.500	10.53	8.500	3.50	11.50	1.75
2.517	3.50	5.517	44.61	8.517	3.50	11.52	1.75
2.533	3.50	5.533	44.61	8.533	3.50	11.53	1.75
2.550	3.50	5.550	44.61	8.550	3.50	11.55	1.75
2.567	3.50	5.567	44.61	8.567	3.50	11.57	1.75
2.583	3.50	5.583	44.61	8.583	3.50	11.58	1.75
2.600	3.50	5.600	44.61	8.600	3.50	11.60	1.75
2.617	3.50	5.617	44.61	8.617	3.50	11.62	1.75
2.633	3.50	5.633	44.61	8.633	3.50	11.63	1.75
2.650	3.50	5.650	44.61	8.650	3.50	11.65	1.75
2.667	3.50	5.667	44.61	8.667	3.50	11.67	1.75
2.683	3.50	5.683	44.61	8.683	3.50	11.68	1.75
2.700	3.50	5.700	44.61	8.700	3.50	11.70	1.75
2.717	3.50	5.717	44.61	8.717	3.50	11.72	1.75
2.733	3.50	5.733	44.61	8.733	3.50	11.73	1.75
2.750	3.50	5.750	44.66	8.750	3.50	11.75	1.75
2.767	3.50	5.767	78.73	8.767	3.50	11.77	1.75
2.783	3.50	5.783	78.73	8.783	3.50	11.78	1.75
2.800	3.50	5.800	78.73	8.800	3.50	11.80	1.75
2.817	3.50	5.817	78.73	8.817	3.50	11.82	1.75
2.833	3.50	5.833	78.73	8.833	3.50	11.83	1.75
2.850	3.50	5.850	78.73	8.850	3.50	11.85	1.75
2.867	3.50	5.867	78.73	8.867	3.50	11.87	1.75
2.883	3.50	5.883	78.73	8.883	3.50	11.88	1.75
2.900	3.50	5.900	78.73	8.900	3.50	11.90	1.75
2.917	3.50	5.917	78.73	8.917	3.50	11.92	1.75
2.933	3.50	5.933	78.73	8.933	3.50	11.93	1.75
2.950	3.50	5.950	78.73	8.950	3.50	11.95	1.75
2.967	3.50	5.967	78.73	8.967	3.50	11.97	1.75
2.983	3.50	5.983	78.73	8.983	3.50	11.98	1.75
3.000	3.50	6.000	78.69	9.000	3.50	12.00	1.75

Max.Eff.Inten.(mm/hr)=	78.73	55.46
over (min)	5.00	12.00
Storage Coeff. (min)=	5.07 (ii)	11.73 (ii)
Unit Hyd. Tpeak (min)=	5.00	12.00
Unit Hyd. peak (cms)=	0.22	0.10

TOTALS

PEAK FLOW (cms)=	0.09	0.04	0.124 (iii)
TIME TO PEAK (hrs)=	6.00	6.17	6.02
RUNOFF VOLUME (mm)=	85.26	33.02	57.57
TOTAL RAINFALL (mm)=	87.26	87.26	87.26
RUNOFF COEFFICIENT =	0.98	0.38	0.66

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:

- CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)		AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3		(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0204):		0.96	0.124	6.02	57.57
+ ID2= 2 (0205):		14.50	0.513	6.50	22.85
=====					
ID = 3 (0017):		15.46	0.561	6.45	25.01

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)		AREA	QPEAK	TPEAK	R.V.
3 + 2 = 1		(ha)	(cms)	(hrs)	(mm)
ID1= 3 (0017):		15.46	0.561	6.45	25.01
+ ID2= 2 (0087):		15.86	0.749	6.43	28.67
=====					
ID = 1 (0017):		31.32	1.310	6.45	26.86

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB STANDHYD (0012)		Area (ha)=	1.18		
ID= 1 DT= 1.0 min		Total Imp(%)=	22.00	Dir. Conn.(%)=	22.00
=====					
Surface Area	(ha)=	IMPERVIOUS	0.26	PERVIOUS (i)	0.92
Dep. Storage	(mm)=		2.00		4.60
Average Slope	(%)=		1.00		2.00
Length	(m)=		88.84		40.00
Mannings n	=		0.013		0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.87	3.017	3.50	6.017	47.24	9.02	3.50
0.033	0.87	3.033	3.50	6.033	47.24	9.03	3.50
0.050	0.87	3.050	3.50	6.050	47.24	9.05	3.50
0.067	0.87	3.067	3.50	6.067	47.24	9.07	3.50
0.083	0.87	3.083	3.50	6.083	47.24	9.08	3.50
0.100	0.87	3.100	3.50	6.100	47.24	9.10	3.50
0.117	0.87	3.117	3.50	6.117	47.24	9.12	3.50
0.133	0.87	3.133	3.50	6.133	47.24	9.13	3.50
0.150	0.87	3.150	3.50	6.150	47.24	9.15	3.50
0.167	0.87	3.167	3.50	6.167	47.24	9.17	3.50
0.183	0.87	3.183	3.50	6.183	47.24	9.18	3.50
0.200	0.87	3.200	3.50	6.200	47.24	9.20	3.50
0.217	0.87	3.217	3.50	6.217	47.24	9.22	3.50
0.233	0.87	3.233	3.50	6.233	47.24	9.23	3.50
0.250	0.87	3.250	3.50	6.250	47.19	9.25	3.50
0.267	1.75	3.267	3.50	6.267	15.75	9.27	3.50
0.283	1.75	3.283	3.50	6.283	15.75	9.28	3.50
0.300	1.75	3.300	3.50	6.300	15.75	9.30	3.50
0.317	1.75	3.317	3.50	6.317	15.75	9.32	3.50
0.333	1.75	3.333	3.50	6.333	15.75	9.33	3.50
0.350	1.75	3.350	3.50	6.350	15.75	9.35	3.50
0.367	1.75	3.367	3.50	6.367	15.75	9.37	3.50
0.383	1.75	3.383	3.50	6.383	15.75	9.38	3.50
0.400	1.75	3.400	3.50	6.400	15.75	9.40	3.50
0.417	1.75	3.417	3.50	6.417	15.75	9.42	3.50
0.433	1.75	3.433	3.50	6.433	15.75	9.43	3.50
0.450	1.75	3.450	3.50	6.450	15.75	9.45	3.50
0.467	1.75	3.467	3.50	6.467	15.75	9.47	3.50
0.483	1.75	3.483	3.50	6.483	15.75	9.48	3.50
0.500	1.75	3.500	3.50	6.500	15.74	9.50	3.50
0.517	1.75	3.517	3.50	6.517	11.37	9.52	2.62
0.533	1.75	3.533	3.50	6.533	11.37	9.53	2.62
0.550	1.75	3.550	3.50	6.550	11.37	9.55	2.62
0.567	1.75	3.567	3.50	6.567	11.37	9.57	2.62
0.583	1.75	3.583	3.50	6.583	11.37	9.58	2.62
0.600	1.75	3.600	3.50	6.600	11.37	9.60	2.62

0.617	1.75	3.617	3.50	6.617	11.37	9.62	2.62
0.633	1.75	3.633	3.50	6.633	11.37	9.63	2.62
0.650	1.75	3.650	3.50	6.650	11.37	9.65	2.62
0.667	1.75	3.667	3.50	6.667	11.37	9.67	2.62
0.683	1.75	3.683	3.50	6.683	11.37	9.68	2.62
0.700	1.75	3.700	3.50	6.700	11.37	9.70	2.62
0.717	1.75	3.717	3.50	6.717	11.37	9.72	2.62
0.733	1.75	3.733	3.50	6.733	11.37	9.73	2.62
0.750	1.75	3.750	3.50	6.750	11.36	9.75	2.62
0.767	1.75	3.767	3.50	6.767	7.00	9.77	1.75
0.783	1.75	3.783	3.50	6.783	7.00	9.78	1.75
0.800	1.75	3.800	3.50	6.800	7.00	9.80	1.75
0.817	1.75	3.817	3.50	6.817	7.00	9.82	1.75
0.833	1.75	3.833	3.50	6.833	7.00	9.83	1.75
0.850	1.75	3.850	3.50	6.850	7.00	9.85	1.75
0.867	1.75	3.867	3.50	6.867	7.00	9.87	1.75
0.883	1.75	3.883	3.50	6.883	7.00	9.88	1.75
0.900	1.75	3.900	3.50	6.900	7.00	9.90	1.75
0.917	1.75	3.917	3.50	6.917	7.00	9.92	1.75
0.933	1.75	3.933	3.50	6.933	7.00	9.93	1.75
0.950	1.75	3.950	3.50	6.950	7.00	9.95	1.75
0.967	1.75	3.967	3.50	6.967	7.00	9.97	1.75
0.983	1.75	3.983	3.50	6.983	7.00	9.98	1.75
1.000	1.75	4.000	3.50	7.000	7.00	10.00	1.75
1.017	1.75	4.017	4.37	7.017	6.12	10.02	1.75
1.033	1.75	4.033	4.37	7.033	6.12	10.03	1.75
1.050	1.75	4.050	4.37	7.050	6.12	10.05	1.75
1.067	1.75	4.067	4.37	7.067	6.12	10.07	1.75
1.083	1.75	4.083	4.37	7.083	6.12	10.08	1.75
1.100	1.75	4.100	4.37	7.100	6.12	10.10	1.75
1.117	1.75	4.117	4.37	7.117	6.12	10.12	1.75
1.133	1.75	4.133	4.37	7.133	6.12	10.13	1.75
1.150	1.75	4.150	4.37	7.150	6.12	10.15	1.75
1.167	1.75	4.167	4.37	7.167	6.12	10.17	1.75
1.183	1.75	4.183	4.37	7.183	6.12	10.18	1.75
1.200	1.75	4.200	4.37	7.200	6.12	10.20	1.75
1.217	1.75	4.217	4.37	7.217	6.12	10.22	1.75
1.233	1.75	4.233	4.37	7.233	6.12	10.23	1.75
1.250	1.75	4.250	4.37	7.250	6.12	10.25	1.75
1.267	1.75	4.267	5.25	7.267	5.25	10.27	1.75
1.283	1.75	4.283	5.25	7.283	5.25	10.28	1.75
1.300	1.75	4.300	5.25	7.300	5.25	10.30	1.75
1.317	1.75	4.317	5.25	7.317	5.25	10.32	1.75
1.333	1.75	4.333	5.25	7.333	5.25	10.33	1.75
1.350	1.75	4.350	5.25	7.350	5.25	10.35	1.75
1.367	1.75	4.367	5.25	7.367	5.25	10.37	1.75
1.383	1.75	4.383	5.25	7.383	5.25	10.38	1.75
1.400	1.75	4.400	5.25	7.400	5.25	10.40	1.75
1.417	1.75	4.417	5.25	7.417	5.25	10.42	1.75
1.433	1.75	4.433	5.25	7.433	5.25	10.43	1.75
1.450	1.75	4.450	5.25	7.450	5.25	10.45	1.75
1.467	1.75	4.467	5.25	7.467	5.25	10.47	1.75
1.483	1.75	4.483	5.25	7.483	5.25	10.48	1.75
1.500	1.75	4.500	5.25	7.500	5.25	10.50	1.75
1.517	1.75	4.517	6.12	7.517	5.25	10.52	1.75
1.533	1.75	4.533	6.12	7.533	5.25	10.53	1.75
1.550	1.75	4.550	6.12	7.550	5.25	10.55	1.75
1.567	1.75	4.567	6.12	7.567	5.25	10.57	1.75
1.583	1.75	4.583	6.12	7.583	5.25	10.58	1.75
1.600	1.75	4.600	6.12	7.600	5.25	10.60	1.75
1.617	1.75	4.617	6.12	7.617	5.25	10.62	1.75
1.633	1.75	4.633	6.12	7.633	5.25	10.63	1.75
1.650	1.75	4.650	6.12	7.650	5.25	10.65	1.75
1.667	1.75	4.667	6.12	7.667	5.25	10.67	1.75
1.683	1.75	4.683	6.12	7.683	5.25	10.68	1.75
1.700	1.75	4.700	6.12	7.700	5.25	10.70	1.75
1.717	1.75	4.717	6.12	7.717	5.25	10.72	1.75
1.733	1.75	4.733	6.12	7.733	5.25	10.73	1.75
1.750	1.75	4.750	6.12	7.750	5.25	10.75	1.75
1.767	1.75	4.767	7.00	7.767	5.25	10.77	1.75
1.783	1.75	4.783	7.00	7.783	5.25	10.78	1.75
1.800	1.75	4.800	7.00	7.800	5.25	10.80	1.75
1.817	1.75	4.817	7.00	7.817	5.25	10.82	1.75
1.833	1.75	4.833	7.00	7.833	5.25	10.83	1.75
1.850	1.75	4.850	7.00	7.850	5.25	10.85	1.75
1.867	1.75	4.867	7.00	7.867	5.25	10.87	1.75
1.883	1.75	4.883	7.00	7.883	5.25	10.88	1.75
1.900	1.75	4.900	7.00	7.900	5.25	10.90	1.75
1.917	1.75	4.917	7.00	7.917	5.25	10.92	1.75
1.933	1.75	4.933	7.00	7.933	5.25	10.93	1.75
1.950	1.75	4.950	7.00	7.950	5.25	10.95	1.75
1.967	1.75	4.967	7.00	7.967	5.25	10.97	1.75
1.983	1.75	4.983	7.00	7.983	5.25	10.98	1.75
2.000	1.75	5.000	7.00	8.000	5.25	11.00	1.75

2.017	2.62	5.017	8.75	8.017	4.37	11.02	1.75
2.033	2.62	5.033	8.75	8.033	4.37	11.03	1.75
2.050	2.62	5.050	8.75	8.050	4.37	11.05	1.75
2.067	2.62	5.067	8.75	8.067	4.37	11.07	1.75
2.083	2.62	5.083	8.75	8.083	4.37	11.08	1.75
2.100	2.62	5.100	8.75	8.100	4.37	11.10	1.75
2.117	2.62	5.117	8.75	8.117	4.37	11.12	1.75
2.133	2.62	5.133	8.75	8.133	4.37	11.13	1.75
2.150	2.62	5.150	8.75	8.150	4.37	11.15	1.75
2.167	2.62	5.167	8.75	8.167	4.37	11.17	1.75
2.183	2.62	5.183	8.75	8.183	4.37	11.18	1.75
2.200	2.62	5.200	8.75	8.200	4.37	11.20	1.75
2.217	2.62	5.217	8.75	8.217	4.37	11.22	1.75
2.233	2.62	5.233	8.75	8.233	4.37	11.23	1.75
2.250	2.62	5.250	8.75	8.250	4.37	11.25	1.75
2.267	3.50	5.267	10.50	8.267	3.50	11.27	1.75
2.283	3.50	5.283	10.50	8.283	3.50	11.28	1.75
2.300	3.50	5.300	10.50	8.300	3.50	11.30	1.75
2.317	3.50	5.317	10.50	8.317	3.50	11.32	1.75
2.333	3.50	5.333	10.50	8.333	3.50	11.33	1.75
2.350	3.50	5.350	10.50	8.350	3.50	11.35	1.75
2.367	3.50	5.367	10.50	8.367	3.50	11.37	1.75
2.383	3.50	5.383	10.50	8.383	3.50	11.38	1.75
2.400	3.50	5.400	10.50	8.400	3.50	11.40	1.75
2.417	3.50	5.417	10.50	8.417	3.50	11.42	1.75
2.433	3.50	5.433	10.50	8.433	3.50	11.43	1.75
2.450	3.50	5.450	10.50	8.450	3.50	11.45	1.75
2.467	3.50	5.467	10.50	8.467	3.50	11.47	1.75
2.483	3.50	5.483	10.50	8.483	3.50	11.48	1.75
2.500	3.50	5.500	10.53	8.500	3.50	11.50	1.75
2.517	3.50	5.517	44.61	8.517	3.50	11.52	1.75
2.533	3.50	5.533	44.61	8.533	3.50	11.53	1.75
2.550	3.50	5.550	44.61	8.550	3.50	11.55	1.75
2.567	3.50	5.567	44.61	8.567	3.50	11.57	1.75
2.583	3.50	5.583	44.61	8.583	3.50	11.58	1.75
2.600	3.50	5.600	44.61	8.600	3.50	11.60	1.75
2.617	3.50	5.617	44.61	8.617	3.50	11.62	1.75
2.633	3.50	5.633	44.61	8.633	3.50	11.63	1.75
2.650	3.50	5.650	44.61	8.650	3.50	11.65	1.75
2.667	3.50	5.667	44.61	8.667	3.50	11.67	1.75
2.683	3.50	5.683	44.61	8.683	3.50	11.68	1.75
2.700	3.50	5.700	44.61	8.700	3.50	11.70	1.75
2.717	3.50	5.717	44.61	8.717	3.50	11.72	1.75
2.733	3.50	5.733	44.61	8.733	3.50	11.73	1.75
2.750	3.50	5.750	44.66	8.750	3.50	11.75	1.75
2.767	3.50	5.767	78.73	8.767	3.50	11.77	1.75
2.783	3.50	5.783	78.73	8.783	3.50	11.78	1.75
2.800	3.50	5.800	78.73	8.800	3.50	11.80	1.75
2.817	3.50	5.817	78.73	8.817	3.50	11.82	1.75
2.833	3.50	5.833	78.73	8.833	3.50	11.83	1.75
2.850	3.50	5.850	78.73	8.850	3.50	11.85	1.75
2.867	3.50	5.867	78.73	8.867	3.50	11.87	1.75
2.883	3.50	5.883	78.73	8.883	3.50	11.88	1.75
2.900	3.50	5.900	78.73	8.900	3.50	11.90	1.75
2.917	3.50	5.917	78.73	8.917	3.50	11.92	1.75
2.933	3.50	5.933	78.73	8.933	3.50	11.93	1.75
2.950	3.50	5.950	78.73	8.950	3.50	11.95	1.75
2.967	3.50	5.967	78.73	8.967	3.50	11.97	1.75
2.983	3.50	5.983	78.73	8.983	3.50	11.98	1.75
3.000	3.50	6.000	78.69	9.000	3.50	12.00	1.75

Max.Eff.Inten.(mm/hr)= 78.73 21.82
over (min) 5.00 16.00
Storage Coeff. (min)= 2.62 (ii) 15.59 (ii)
Unit Hyd. Tpeak (min)= 5.00 16.00
Unit Hyd. peak (cms)= 0.33 0.07

TOTALS
0.083 (iii)

PEAK FLOW (cms)= 0.06 0.04
TIME TO PEAK (hrs)= 6.00 6.27 6.02
RUNOFF VOLUME (mm)= 85.26 22.85 36.57
TOTAL RAINFALL (mm)= 87.26 87.26 87.26
RUNOFF COEFFICIENT = 0.98 0.26 0.42

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

|ID= 1 DT= 1.0 min | Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.21	9.95
Dep. Storage	(mm)=	2.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	267.45	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.87	3.017	3.50	6.017	47.24	9.02	3.50
0.033	0.87	3.033	3.50	6.033	47.24	9.03	3.50
0.050	0.87	3.050	3.50	6.050	47.24	9.05	3.50
0.067	0.87	3.067	3.50	6.067	47.24	9.07	3.50
0.083	0.87	3.083	3.50	6.083	47.24	9.08	3.50
0.100	0.87	3.100	3.50	6.100	47.24	9.10	3.50
0.117	0.87	3.117	3.50	6.117	47.24	9.12	3.50
0.133	0.87	3.133	3.50	6.133	47.24	9.13	3.50
0.150	0.87	3.150	3.50	6.150	47.24	9.15	3.50
0.167	0.87	3.167	3.50	6.167	47.24	9.17	3.50
0.183	0.87	3.183	3.50	6.183	47.24	9.18	3.50
0.200	0.87	3.200	3.50	6.200	47.24	9.20	3.50
0.217	0.87	3.217	3.50	6.217	47.24	9.22	3.50
0.233	0.87	3.233	3.50	6.233	47.24	9.23	3.50
0.250	0.87	3.250	3.50	6.250	47.19	9.25	3.50
0.267	1.75	3.267	3.50	6.267	15.75	9.27	3.50
0.283	1.75	3.283	3.50	6.283	15.75	9.28	3.50
0.300	1.75	3.300	3.50	6.300	15.75	9.30	3.50
0.317	1.75	3.317	3.50	6.317	15.75	9.32	3.50
0.333	1.75	3.333	3.50	6.333	15.75	9.33	3.50
0.350	1.75	3.350	3.50	6.350	15.75	9.35	3.50
0.367	1.75	3.367	3.50	6.367	15.75	9.37	3.50
0.383	1.75	3.383	3.50	6.383	15.75	9.38	3.50
0.400	1.75	3.400	3.50	6.400	15.75	9.40	3.50
0.417	1.75	3.417	3.50	6.417	15.75	9.42	3.50
0.433	1.75	3.433	3.50	6.433	15.75	9.43	3.50
0.450	1.75	3.450	3.50	6.450	15.75	9.45	3.50
0.467	1.75	3.467	3.50	6.467	15.75	9.47	3.50
0.483	1.75	3.483	3.50	6.483	15.75	9.48	3.50
0.500	1.75	3.500	3.50	6.500	15.74	9.50	3.50
0.517	1.75	3.517	3.50	6.517	11.37	9.52	2.62
0.533	1.75	3.533	3.50	6.533	11.37	9.53	2.62
0.550	1.75	3.550	3.50	6.550	11.37	9.55	2.62
0.567	1.75	3.567	3.50	6.567	11.37	9.57	2.62
0.583	1.75	3.583	3.50	6.583	11.37	9.58	2.62
0.600	1.75	3.600	3.50	6.600	11.37	9.60	2.62
0.617	1.75	3.617	3.50	6.617	11.37	9.62	2.62
0.633	1.75	3.633	3.50	6.633	11.37	9.63	2.62
0.650	1.75	3.650	3.50	6.650	11.37	9.65	2.62
0.667	1.75	3.667	3.50	6.667	11.37	9.67	2.62
0.683	1.75	3.683	3.50	6.683	11.37	9.68	2.62
0.700	1.75	3.700	3.50	6.700	11.37	9.70	2.62
0.717	1.75	3.717	3.50	6.717	11.37	9.72	2.62
0.733	1.75	3.733	3.50	6.733	11.37	9.73	2.62
0.750	1.75	3.750	3.50	6.750	11.36	9.75	2.62
0.767	1.75	3.767	3.50	6.767	7.00	9.77	1.75
0.783	1.75	3.783	3.50	6.783	7.00	9.78	1.75
0.800	1.75	3.800	3.50	6.800	7.00	9.80	1.75
0.817	1.75	3.817	3.50	6.817	7.00	9.82	1.75
0.833	1.75	3.833	3.50	6.833	7.00	9.83	1.75
0.850	1.75	3.850	3.50	6.850	7.00	9.85	1.75
0.867	1.75	3.867	3.50	6.867	7.00	9.87	1.75
0.883	1.75	3.883	3.50	6.883	7.00	9.88	1.75
0.900	1.75	3.900	3.50	6.900	7.00	9.90	1.75
0.917	1.75	3.917	3.50	6.917	7.00	9.92	1.75
0.933	1.75	3.933	3.50	6.933	7.00	9.93	1.75
0.950	1.75	3.950	3.50	6.950	7.00	9.95	1.75
0.967	1.75	3.967	3.50	6.967	7.00	9.97	1.75
0.983	1.75	3.983	3.50	6.983	7.00	9.98	1.75
1.000	1.75	4.000	3.50	7.000	7.00	10.00	1.75
1.017	1.75	4.017	4.37	7.017	6.12	10.02	1.75
1.033	1.75	4.033	4.37	7.033	6.12	10.03	1.75
1.050	1.75	4.050	4.37	7.050	6.12	10.05	1.75
1.067	1.75	4.067	4.37	7.067	6.12	10.07	1.75
1.083	1.75	4.083	4.37	7.083	6.12	10.08	1.75
1.100	1.75	4.100	4.37	7.100	6.12	10.10	1.75
1.117	1.75	4.117	4.37	7.117	6.12	10.12	1.75
1.133	1.75	4.133	4.37	7.133	6.12	10.13	1.75
1.150	1.75	4.150	4.37	7.150	6.12	10.15	1.75

1.167	1.75	4.167	4.37	7.167	6.12	10.17	1.75
1.183	1.75	4.183	4.37	7.183	6.12	10.18	1.75
1.200	1.75	4.200	4.37	7.200	6.12	10.20	1.75
1.217	1.75	4.217	4.37	7.217	6.12	10.22	1.75
1.233	1.75	4.233	4.37	7.233	6.12	10.23	1.75
1.250	1.75	4.250	4.37	7.250	6.12	10.25	1.75
1.267	1.75	4.267	5.25	7.267	5.25	10.27	1.75
1.283	1.75	4.283	5.25	7.283	5.25	10.28	1.75
1.300	1.75	4.300	5.25	7.300	5.25	10.30	1.75
1.317	1.75	4.317	5.25	7.317	5.25	10.32	1.75
1.333	1.75	4.333	5.25	7.333	5.25	10.33	1.75
1.350	1.75	4.350	5.25	7.350	5.25	10.35	1.75
1.367	1.75	4.367	5.25	7.367	5.25	10.37	1.75
1.383	1.75	4.383	5.25	7.383	5.25	10.38	1.75
1.400	1.75	4.400	5.25	7.400	5.25	10.40	1.75
1.417	1.75	4.417	5.25	7.417	5.25	10.42	1.75
1.433	1.75	4.433	5.25	7.433	5.25	10.43	1.75
1.450	1.75	4.450	5.25	7.450	5.25	10.45	1.75
1.467	1.75	4.467	5.25	7.467	5.25	10.47	1.75
1.483	1.75	4.483	5.25	7.483	5.25	10.48	1.75
1.500	1.75	4.500	5.25	7.500	5.25	10.50	1.75
1.517	1.75	4.517	6.12	7.517	5.25	10.52	1.75
1.533	1.75	4.533	6.12	7.533	5.25	10.53	1.75
1.550	1.75	4.550	6.12	7.550	5.25	10.55	1.75
1.567	1.75	4.567	6.12	7.567	5.25	10.57	1.75
1.583	1.75	4.583	6.12	7.583	5.25	10.58	1.75
1.600	1.75	4.600	6.12	7.600	5.25	10.60	1.75
1.617	1.75	4.617	6.12	7.617	5.25	10.62	1.75
1.633	1.75	4.633	6.12	7.633	5.25	10.63	1.75
1.650	1.75	4.650	6.12	7.650	5.25	10.65	1.75
1.667	1.75	4.667	6.12	7.667	5.25	10.67	1.75
1.683	1.75	4.683	6.12	7.683	5.25	10.68	1.75
1.700	1.75	4.700	6.12	7.700	5.25	10.70	1.75
1.717	1.75	4.717	6.12	7.717	5.25	10.72	1.75
1.733	1.75	4.733	6.12	7.733	5.25	10.73	1.75
1.750	1.75	4.750	6.12	7.750	5.25	10.75	1.75
1.767	1.75	4.767	7.00	7.767	5.25	10.77	1.75
1.783	1.75	4.783	7.00	7.783	5.25	10.78	1.75
1.800	1.75	4.800	7.00	7.800	5.25	10.80	1.75
1.817	1.75	4.817	7.00	7.817	5.25	10.82	1.75
1.833	1.75	4.833	7.00	7.833	5.25	10.83	1.75
1.850	1.75	4.850	7.00	7.850	5.25	10.85	1.75
1.867	1.75	4.867	7.00	7.867	5.25	10.87	1.75
1.883	1.75	4.883	7.00	7.883	5.25	10.88	1.75
1.900	1.75	4.900	7.00	7.900	5.25	10.90	1.75
1.917	1.75	4.917	7.00	7.917	5.25	10.92	1.75
1.933	1.75	4.933	7.00	7.933	5.25	10.93	1.75
1.950	1.75	4.950	7.00	7.950	5.25	10.95	1.75
1.967	1.75	4.967	7.00	7.967	5.25	10.97	1.75
1.983	1.75	4.983	7.00	7.983	5.25	10.98	1.75
2.000	1.75	5.000	7.00	8.000	5.25	11.00	1.75
2.017	2.62	5.017	8.75	8.017	4.37	11.02	1.75
2.033	2.62	5.033	8.75	8.033	4.37	11.03	1.75
2.050	2.62	5.050	8.75	8.050	4.37	11.05	1.75
2.067	2.62	5.067	8.75	8.067	4.37	11.07	1.75
2.083	2.62	5.083	8.75	8.083	4.37	11.08	1.75
2.100	2.62	5.100	8.75	8.100	4.37	11.10	1.75
2.117	2.62	5.117	8.75	8.117	4.37	11.12	1.75
2.133	2.62	5.133	8.75	8.133	4.37	11.13	1.75
2.150	2.62	5.150	8.75	8.150	4.37	11.15	1.75
2.167	2.62	5.167	8.75	8.167	4.37	11.17	1.75
2.183	2.62	5.183	8.75	8.183	4.37	11.18	1.75
2.200	2.62	5.200	8.75	8.200	4.37	11.20	1.75
2.217	2.62	5.217	8.75	8.217	4.37	11.22	1.75
2.233	2.62	5.233	8.75	8.233	4.37	11.23	1.75
2.250	2.62	5.250	8.75	8.250	4.37	11.25	1.75
2.267	3.50	5.267	10.50	8.267	3.50	11.27	1.75
2.283	3.50	5.283	10.50	8.283	3.50	11.28	1.75
2.300	3.50	5.300	10.50	8.300	3.50	11.30	1.75
2.317	3.50	5.317	10.50	8.317	3.50	11.32	1.75
2.333	3.50	5.333	10.50	8.333	3.50	11.33	1.75
2.350	3.50	5.350	10.50	8.350	3.50	11.35	1.75
2.367	3.50	5.367	10.50	8.367	3.50	11.37	1.75
2.383	3.50	5.383	10.50	8.383	3.50	11.38	1.75
2.400	3.50	5.400	10.50	8.400	3.50	11.40	1.75
2.417	3.50	5.417	10.50	8.417	3.50	11.42	1.75
2.433	3.50	5.433	10.50	8.433	3.50	11.43	1.75
2.450	3.50	5.450	10.50	8.450	3.50	11.45	1.75
2.467	3.50	5.467	10.50	8.467	3.50	11.47	1.75
2.483	3.50	5.483	10.50	8.483	3.50	11.48	1.75
2.500	3.50	5.500	10.53	8.500	3.50	11.50	1.75
2.517	3.50	5.517	44.61	8.517	3.50	11.52	1.75
2.533	3.50	5.533	44.61	8.533	3.50	11.53	1.75
2.550	3.50	5.550	44.61	8.550	3.50	11.55	1.75

2.567	3.50	5.567	44.61	8.567	3.50	11.57	1.75
2.583	3.50	5.583	44.61	8.583	3.50	11.58	1.75
2.600	3.50	5.600	44.61	8.600	3.50	11.60	1.75
2.617	3.50	5.617	44.61	8.617	3.50	11.62	1.75
2.633	3.50	5.633	44.61	8.633	3.50	11.63	1.75
2.650	3.50	5.650	44.61	8.650	3.50	11.65	1.75
2.667	3.50	5.667	44.61	8.667	3.50	11.67	1.75
2.683	3.50	5.683	44.61	8.683	3.50	11.68	1.75
2.700	3.50	5.700	44.61	8.700	3.50	11.70	1.75
2.717	3.50	5.717	44.61	8.717	3.50	11.72	1.75
2.733	3.50	5.733	44.61	8.733	3.50	11.73	1.75
2.750	3.50	5.750	44.66	8.750	3.50	11.75	1.75
2.767	3.50	5.767	78.73	8.767	3.50	11.77	1.75
2.783	3.50	5.783	78.73	8.783	3.50	11.78	1.75
2.800	3.50	5.800	78.73	8.800	3.50	11.80	1.75
2.817	3.50	5.817	78.73	8.817	3.50	11.82	1.75
2.833	3.50	5.833	78.73	8.833	3.50	11.83	1.75
2.850	3.50	5.850	78.73	8.850	3.50	11.85	1.75
2.867	3.50	5.867	78.73	8.867	3.50	11.87	1.75
2.883	3.50	5.883	78.73	8.883	3.50	11.88	1.75
2.900	3.50	5.900	78.73	8.900	3.50	11.90	1.75
2.917	3.50	5.917	78.73	8.917	3.50	11.92	1.75
2.933	3.50	5.933	78.73	8.933	3.50	11.93	1.75
2.950	3.50	5.950	78.73	8.950	3.50	11.95	1.75
2.967	3.50	5.967	78.73	8.967	3.50	11.97	1.75
2.983	3.50	5.983	78.73	8.983	3.50	11.98	1.75
3.000	3.50	6.000	78.69	9.000	3.50	12.00	1.75

Max.Eff.Inten.(mm/hr)= 78.73 31.06
 over (min) 5.00 17.00
 Storage Coeff. (min)= 5.07 (ii) 16.34 (ii)
 Unit Hyd. Tpeak (min)= 5.00 17.00
 Unit Hyd. peak (cms)= 0.22 0.07

 PEAK FLOW (cms)= 1.08 0.60 *TOTALS*
 TIME TO PEAK (hrs)= 6.00 6.27 1.476 (iii)
 RUNOFF VOLUME (mm)= 85.25 26.33 6.03
 TOTAL RAINFALL (mm)= 87.26 87.26 44.01
 RUNOFF COEFFICIENT = 0.98 0.30 87.26
 0.50

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
 (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
 (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)				
1 + 2 = 3				
ID1= 1 (0012):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
+ ID2= 2 (0203):	1.18	0.083	6.02	36.57
	17.16	1.476	6.03	44.01
ID = 3 (0082):	18.34	1.559	6.03	43.53

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 5.0 min				
	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	0.0940	0.3600
	0.0120	0.2100	0.1210	0.4000
	0.0550	0.2600	0.1500	0.4500
	0.0620	0.3000	0.3000	0.7210
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0082)	18.340	1.559	6.03	43.53
OUTFLOW: ID= 1 (0002)	18.340	0.198	7.53	34.33

PEAK FLOW REDUCTION [Qout/Qin](%)= 12.67
 TIME SHIFT OF PEAK FLOW (min)= 90.00
 MAXIMUM STORAGE USED (ha.m.)= 0.5358

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)

1 + 2 = 3	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0017):	31.32	1.310	6.45	26.86
+ ID2= 2 (0002):	18.34	0.198	7.53	34.33
=====				
ID = 3 (0089):	49.66	1.459	6.47	29.62

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:3.6 SCS II 12hr 100yr **

CALIB	Area (ha)=	15.86	Curve Number (CN)=	62.0
NASHYD (0087)	Ia (mm)=	4.60	# of Linear Res.(N)=	3.00
ID= 1 DT= 1.0 min	U.H. Tp(hrs)=	0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.96	3.017	3.83	6.017	51.68	9.02	3.83
0.033	0.96	3.033	3.83	6.033	51.68	9.03	3.83
0.050	0.96	3.050	3.83	6.050	51.68	9.05	3.83
0.067	0.96	3.067	3.83	6.067	51.68	9.07	3.83
0.083	0.96	3.083	3.83	6.083	51.68	9.08	3.83
0.100	0.96	3.100	3.83	6.100	51.68	9.10	3.83
0.117	0.96	3.117	3.83	6.117	51.68	9.12	3.83
0.133	0.96	3.133	3.83	6.133	51.68	9.13	3.83
0.150	0.96	3.150	3.83	6.150	51.68	9.15	3.83
0.167	0.96	3.167	3.83	6.167	51.68	9.17	3.83
0.183	0.96	3.183	3.83	6.183	51.68	9.18	3.83
0.200	0.96	3.200	3.83	6.200	51.68	9.20	3.83
0.217	0.96	3.217	3.83	6.217	51.68	9.22	3.83
0.233	0.96	3.233	3.83	6.233	51.68	9.23	3.83
0.250	0.96	3.250	3.83	6.250	51.63	9.25	3.83
0.267	1.91	3.267	3.83	6.267	17.23	9.27	3.83
0.283	1.91	3.283	3.83	6.283	17.23	9.28	3.83
0.300	1.91	3.300	3.83	6.300	17.23	9.30	3.83
0.317	1.91	3.317	3.83	6.317	17.23	9.32	3.83
0.333	1.91	3.333	3.83	6.333	17.23	9.33	3.83
0.350	1.91	3.350	3.83	6.350	17.23	9.35	3.83
0.367	1.91	3.367	3.83	6.367	17.23	9.37	3.83
0.383	1.91	3.383	3.83	6.383	17.23	9.38	3.83
0.400	1.91	3.400	3.83	6.400	17.23	9.40	3.83
0.417	1.91	3.417	3.83	6.417	17.23	9.42	3.83
0.433	1.91	3.433	3.83	6.433	17.23	9.43	3.83
0.450	1.91	3.450	3.83	6.450	17.23	9.45	3.83
0.467	1.91	3.467	3.83	6.467	17.23	9.47	3.83
0.483	1.91	3.483	3.83	6.483	17.23	9.48	3.83
0.500	1.91	3.500	3.83	6.500	17.22	9.50	3.83
0.517	1.91	3.517	3.83	6.517	12.44	9.52	2.87
0.533	1.91	3.533	3.83	6.533	12.44	9.53	2.87
0.550	1.91	3.550	3.83	6.550	12.44	9.55	2.87
0.567	1.91	3.567	3.83	6.567	12.44	9.57	2.87
0.583	1.91	3.583	3.83	6.583	12.44	9.58	2.87
0.600	1.91	3.600	3.83	6.600	12.44	9.60	2.87
0.617	1.91	3.617	3.83	6.617	12.44	9.62	2.87
0.633	1.91	3.633	3.83	6.633	12.44	9.63	2.87
0.650	1.91	3.650	3.83	6.650	12.44	9.65	2.87
0.667	1.91	3.667	3.83	6.667	12.44	9.67	2.87
0.683	1.91	3.683	3.83	6.683	12.44	9.68	2.87
0.700	1.91	3.700	3.83	6.700	12.44	9.70	2.87
0.717	1.91	3.717	3.83	6.717	12.44	9.72	2.87
0.733	1.91	3.733	3.83	6.733	12.44	9.73	2.87
0.750	1.91	3.750	3.83	6.750	12.43	9.75	2.87
0.767	1.91	3.767	3.83	6.767	7.66	9.77	1.91
0.783	1.91	3.783	3.83	6.783	7.66	9.78	1.91
0.800	1.91	3.800	3.83	6.800	7.66	9.80	1.91
0.817	1.91	3.817	3.83	6.817	7.66	9.82	1.91
0.833	1.91	3.833	3.83	6.833	7.66	9.83	1.91
0.850	1.91	3.850	3.83	6.850	7.66	9.85	1.91
0.867	1.91	3.867	3.83	6.867	7.66	9.87	1.91
0.883	1.91	3.883	3.83	6.883	7.66	9.88	1.91
0.900	1.91	3.900	3.83	6.900	7.66	9.90	1.91
0.917	1.91	3.917	3.83	6.917	7.66	9.92	1.91
0.933	1.91	3.933	3.83	6.933	7.66	9.93	1.91
0.950	1.91	3.950	3.83	6.950	7.66	9.95	1.91
0.967	1.91	3.967	3.83	6.967	7.66	9.97	1.91
0.983	1.91	3.983	3.83	6.983	7.66	9.98	1.91
1.000	1.91	4.000	3.83	7.000	7.65	10.00	1.91

1.017	1.91	4.017	4.79	7.017	6.70	10.02	1.91
1.033	1.91	4.033	4.79	7.033	6.70	10.03	1.91
1.050	1.91	4.050	4.79	7.050	6.70	10.05	1.91
1.067	1.91	4.067	4.79	7.067	6.70	10.07	1.91
1.083	1.91	4.083	4.79	7.083	6.70	10.08	1.91
1.100	1.91	4.100	4.79	7.100	6.70	10.10	1.91
1.117	1.91	4.117	4.79	7.117	6.70	10.12	1.91
1.133	1.91	4.133	4.79	7.133	6.70	10.13	1.91
1.150	1.91	4.150	4.79	7.150	6.70	10.15	1.91
1.167	1.91	4.167	4.79	7.167	6.70	10.17	1.91
1.183	1.91	4.183	4.79	7.183	6.70	10.18	1.91
1.200	1.91	4.200	4.79	7.200	6.70	10.20	1.91
1.217	1.91	4.217	4.79	7.217	6.70	10.22	1.91
1.233	1.91	4.233	4.79	7.233	6.70	10.23	1.91
1.250	1.91	4.250	4.79	7.250	6.70	10.25	1.91
1.267	1.91	4.267	5.74	7.267	5.74	10.27	1.91
1.283	1.91	4.283	5.74	7.283	5.74	10.28	1.91
1.300	1.91	4.300	5.74	7.300	5.74	10.30	1.91
1.317	1.91	4.317	5.74	7.317	5.74	10.32	1.91
1.333	1.91	4.333	5.74	7.333	5.74	10.33	1.91
1.350	1.91	4.350	5.74	7.350	5.74	10.35	1.91
1.367	1.91	4.367	5.74	7.367	5.74	10.37	1.91
1.383	1.91	4.383	5.74	7.383	5.74	10.38	1.91
1.400	1.91	4.400	5.74	7.400	5.74	10.40	1.91
1.417	1.91	4.417	5.74	7.417	5.74	10.42	1.91
1.433	1.91	4.433	5.74	7.433	5.74	10.43	1.91
1.450	1.91	4.450	5.74	7.450	5.74	10.45	1.91
1.467	1.91	4.467	5.74	7.467	5.74	10.47	1.91
1.483	1.91	4.483	5.74	7.483	5.74	10.48	1.91
1.500	1.91	4.500	5.74	7.500	5.74	10.50	1.91
1.517	1.91	4.517	6.70	7.517	5.74	10.52	1.91
1.533	1.91	4.533	6.70	7.533	5.74	10.53	1.91
1.550	1.91	4.550	6.70	7.550	5.74	10.55	1.91
1.567	1.91	4.567	6.70	7.567	5.74	10.57	1.91
1.583	1.91	4.583	6.70	7.583	5.74	10.58	1.91
1.600	1.91	4.600	6.70	7.600	5.74	10.60	1.91
1.617	1.91	4.617	6.70	7.617	5.74	10.62	1.91
1.633	1.91	4.633	6.70	7.633	5.74	10.63	1.91
1.650	1.91	4.650	6.70	7.650	5.74	10.65	1.91
1.667	1.91	4.667	6.70	7.667	5.74	10.67	1.91
1.683	1.91	4.683	6.70	7.683	5.74	10.68	1.91
1.700	1.91	4.700	6.70	7.700	5.74	10.70	1.91
1.717	1.91	4.717	6.70	7.717	5.74	10.72	1.91
1.733	1.91	4.733	6.70	7.733	5.74	10.73	1.91
1.750	1.91	4.750	6.70	7.750	5.74	10.75	1.91
1.767	1.91	4.767	7.66	7.767	5.74	10.77	1.91
1.783	1.91	4.783	7.66	7.783	5.74	10.78	1.91
1.800	1.91	4.800	7.66	7.800	5.74	10.80	1.91
1.817	1.91	4.817	7.66	7.817	5.74	10.82	1.91
1.833	1.91	4.833	7.66	7.833	5.74	10.83	1.91
1.850	1.91	4.850	7.66	7.850	5.74	10.85	1.91
1.867	1.91	4.867	7.66	7.867	5.74	10.87	1.91
1.883	1.91	4.883	7.66	7.883	5.74	10.88	1.91
1.900	1.91	4.900	7.66	7.900	5.74	10.90	1.91
1.917	1.91	4.917	7.66	7.917	5.74	10.92	1.91
1.933	1.91	4.933	7.66	7.933	5.74	10.93	1.91
1.950	1.91	4.950	7.66	7.950	5.74	10.95	1.91
1.967	1.91	4.967	7.66	7.967	5.74	10.97	1.91
1.983	1.91	4.983	7.66	7.983	5.74	10.98	1.91
2.000	1.91	5.000	7.66	8.000	5.74	11.00	1.91
2.017	2.87	5.017	9.57	8.017	4.79	11.02	1.91
2.033	2.87	5.033	9.57	8.033	4.79	11.03	1.91
2.050	2.87	5.050	9.57	8.050	4.79	11.05	1.91
2.067	2.87	5.067	9.57	8.067	4.79	11.07	1.91
2.083	2.87	5.083	9.57	8.083	4.79	11.08	1.91
2.100	2.87	5.100	9.57	8.100	4.79	11.10	1.91
2.117	2.87	5.117	9.57	8.117	4.79	11.12	1.91
2.133	2.87	5.133	9.57	8.133	4.79	11.13	1.91
2.150	2.87	5.150	9.57	8.150	4.79	11.15	1.91
2.167	2.87	5.167	9.57	8.167	4.79	11.17	1.91
2.183	2.87	5.183	9.57	8.183	4.79	11.18	1.91
2.200	2.87	5.200	9.57	8.200	4.79	11.20	1.91
2.217	2.87	5.217	9.57	8.217	4.79	11.22	1.91
2.233	2.87	5.233	9.57	8.233	4.79	11.23	1.91
2.250	2.87	5.250	9.57	8.250	4.78	11.25	1.91
2.267	3.83	5.267	11.49	8.267	3.83	11.27	1.91
2.283	3.83	5.283	11.49	8.283	3.83	11.28	1.91
2.300	3.83	5.300	11.49	8.300	3.83	11.30	1.91
2.317	3.83	5.317	11.49	8.317	3.83	11.32	1.91
2.333	3.83	5.333	11.49	8.333	3.83	11.33	1.91
2.350	3.83	5.350	11.49	8.350	3.83	11.35	1.91
2.367	3.83	5.367	11.49	8.367	3.83	11.37	1.91
2.383	3.83	5.383	11.49	8.383	3.83	11.38	1.91
2.400	3.83	5.400	11.49	8.400	3.83	11.40	1.91

2.417	3.83	5.417	11.49	8.417	3.83	11.42	1.91
2.433	3.83	5.433	11.49	8.433	3.83	11.43	1.91
2.450	3.83	5.450	11.49	8.450	3.83	11.45	1.91
2.467	3.83	5.467	11.49	8.467	3.83	11.47	1.91
2.483	3.83	5.483	11.49	8.483	3.83	11.48	1.91
2.500	3.83	5.500	11.52	8.500	3.83	11.50	1.91
2.517	3.83	5.517	48.81	8.517	3.83	11.52	1.91
2.533	3.83	5.533	48.81	8.533	3.83	11.53	1.91
2.550	3.83	5.550	48.81	8.550	3.83	11.55	1.91
2.567	3.83	5.567	48.81	8.567	3.83	11.57	1.91
2.583	3.83	5.583	48.81	8.583	3.83	11.58	1.91
2.600	3.83	5.600	48.81	8.600	3.83	11.60	1.91
2.617	3.83	5.617	48.81	8.617	3.83	11.62	1.91
2.633	3.83	5.633	48.81	8.633	3.83	11.63	1.91
2.650	3.83	5.650	48.81	8.650	3.83	11.65	1.91
2.667	3.83	5.667	48.81	8.667	3.83	11.67	1.91
2.683	3.83	5.683	48.81	8.683	3.83	11.68	1.91
2.700	3.83	5.700	48.81	8.700	3.83	11.70	1.91
2.717	3.83	5.717	48.81	8.717	3.83	11.72	1.91
2.733	3.83	5.733	48.81	8.733	3.83	11.73	1.91
2.750	3.83	5.750	48.86	8.750	3.83	11.75	1.91
2.767	3.83	5.767	86.14	8.767	3.83	11.77	1.91
2.783	3.83	5.783	86.14	8.783	3.83	11.78	1.91
2.800	3.83	5.800	86.14	8.800	3.83	11.80	1.91
2.817	3.83	5.817	86.14	8.817	3.83	11.82	1.91
2.833	3.83	5.833	86.14	8.833	3.83	11.83	1.91
2.850	3.83	5.850	86.14	8.850	3.83	11.85	1.91
2.867	3.83	5.867	86.14	8.867	3.83	11.87	1.91
2.883	3.83	5.883	86.14	8.883	3.83	11.88	1.91
2.900	3.83	5.900	86.14	8.900	3.83	11.90	1.91
2.917	3.83	5.917	86.14	8.917	3.83	11.92	1.91
2.933	3.83	5.933	86.14	8.933	3.83	11.93	1.91
2.950	3.83	5.950	86.14	8.950	3.83	11.95	1.91
2.967	3.83	5.967	86.14	8.967	3.83	11.97	1.91
2.983	3.83	5.983	86.14	8.983	3.83	11.98	1.91
3.000	3.83	6.000	86.09	9.000	3.83	12.00	1.91

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.878 (i)
TIME TO PEAK (hrs)= 6.433
RUNOFF VOLUME (mm)= 33.492
TOTAL RAINFALL (mm)= 95.470
RUNOFF COEFFICIENT = 0.351

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.96	3.017	3.83	6.017	51.68	9.02	3.83
0.033	0.96	3.033	3.83	6.033	51.68	9.03	3.83
0.050	0.96	3.050	3.83	6.050	51.68	9.05	3.83
0.067	0.96	3.067	3.83	6.067	51.68	9.07	3.83
0.083	0.96	3.083	3.83	6.083	51.68	9.08	3.83
0.100	0.96	3.100	3.83	6.100	51.68	9.10	3.83
0.117	0.96	3.117	3.83	6.117	51.68	9.12	3.83
0.133	0.96	3.133	3.83	6.133	51.68	9.13	3.83
0.150	0.96	3.150	3.83	6.150	51.68	9.15	3.83
0.167	0.96	3.167	3.83	6.167	51.68	9.17	3.83
0.183	0.96	3.183	3.83	6.183	51.68	9.18	3.83
0.200	0.96	3.200	3.83	6.200	51.68	9.20	3.83
0.217	0.96	3.217	3.83	6.217	51.68	9.22	3.83
0.233	0.96	3.233	3.83	6.233	51.68	9.23	3.83
0.250	0.96	3.250	3.83	6.250	51.63	9.25	3.83
0.267	1.91	3.267	3.83	6.267	17.23	9.27	3.83
0.283	1.91	3.283	3.83	6.283	17.23	9.28	3.83
0.300	1.91	3.300	3.83	6.300	17.23	9.30	3.83
0.317	1.91	3.317	3.83	6.317	17.23	9.32	3.83
0.333	1.91	3.333	3.83	6.333	17.23	9.33	3.83
0.350	1.91	3.350	3.83	6.350	17.23	9.35	3.83
0.367	1.91	3.367	3.83	6.367	17.23	9.37	3.83
0.383	1.91	3.383	3.83	6.383	17.23	9.38	3.83
0.400	1.91	3.400	3.83	6.400	17.23	9.40	3.83

0.417	1.91	3.417	3.83	6.417	17.23	9.42	3.83
0.433	1.91	3.433	3.83	6.433	17.23	9.43	3.83
0.450	1.91	3.450	3.83	6.450	17.23	9.45	3.83
0.467	1.91	3.467	3.83	6.467	17.23	9.47	3.83
0.483	1.91	3.483	3.83	6.483	17.23	9.48	3.83
0.500	1.91	3.500	3.83	6.500	17.22	9.50	3.83
0.517	1.91	3.517	3.83	6.517	12.44	9.52	2.87
0.533	1.91	3.533	3.83	6.533	12.44	9.53	2.87
0.550	1.91	3.550	3.83	6.550	12.44	9.55	2.87
0.567	1.91	3.567	3.83	6.567	12.44	9.57	2.87
0.583	1.91	3.583	3.83	6.583	12.44	9.58	2.87
0.600	1.91	3.600	3.83	6.600	12.44	9.60	2.87
0.617	1.91	3.617	3.83	6.617	12.44	9.62	2.87
0.633	1.91	3.633	3.83	6.633	12.44	9.63	2.87
0.650	1.91	3.650	3.83	6.650	12.44	9.65	2.87
0.667	1.91	3.667	3.83	6.667	12.44	9.67	2.87
0.683	1.91	3.683	3.83	6.683	12.44	9.68	2.87
0.700	1.91	3.700	3.83	6.700	12.44	9.70	2.87
0.717	1.91	3.717	3.83	6.717	12.44	9.72	2.87
0.733	1.91	3.733	3.83	6.733	12.44	9.73	2.87
0.750	1.91	3.750	3.83	6.750	12.43	9.75	2.87
0.767	1.91	3.767	3.83	6.767	7.66	9.77	1.91
0.783	1.91	3.783	3.83	6.783	7.66	9.78	1.91
0.800	1.91	3.800	3.83	6.800	7.66	9.80	1.91
0.817	1.91	3.817	3.83	6.817	7.66	9.82	1.91
0.833	1.91	3.833	3.83	6.833	7.66	9.83	1.91
0.850	1.91	3.850	3.83	6.850	7.66	9.85	1.91
0.867	1.91	3.867	3.83	6.867	7.66	9.87	1.91
0.883	1.91	3.883	3.83	6.883	7.66	9.88	1.91
0.900	1.91	3.900	3.83	6.900	7.66	9.90	1.91
0.917	1.91	3.917	3.83	6.917	7.66	9.92	1.91
0.933	1.91	3.933	3.83	6.933	7.66	9.93	1.91
0.950	1.91	3.950	3.83	6.950	7.66	9.95	1.91
0.967	1.91	3.967	3.83	6.967	7.66	9.97	1.91
0.983	1.91	3.983	3.83	6.983	7.66	9.98	1.91
1.000	1.91	4.000	3.83	7.000	7.65	10.00	1.91
1.017	1.91	4.017	4.79	7.017	6.70	10.02	1.91
1.033	1.91	4.033	4.79	7.033	6.70	10.03	1.91
1.050	1.91	4.050	4.79	7.050	6.70	10.05	1.91
1.067	1.91	4.067	4.79	7.067	6.70	10.07	1.91
1.083	1.91	4.083	4.79	7.083	6.70	10.08	1.91
1.100	1.91	4.100	4.79	7.100	6.70	10.10	1.91
1.117	1.91	4.117	4.79	7.117	6.70	10.12	1.91
1.133	1.91	4.133	4.79	7.133	6.70	10.13	1.91
1.150	1.91	4.150	4.79	7.150	6.70	10.15	1.91
1.167	1.91	4.167	4.79	7.167	6.70	10.17	1.91
1.183	1.91	4.183	4.79	7.183	6.70	10.18	1.91
1.200	1.91	4.200	4.79	7.200	6.70	10.20	1.91
1.217	1.91	4.217	4.79	7.217	6.70	10.22	1.91
1.233	1.91	4.233	4.79	7.233	6.70	10.23	1.91
1.250	1.91	4.250	4.79	7.250	6.70	10.25	1.91
1.267	1.91	4.267	5.74	7.267	5.74	10.27	1.91
1.283	1.91	4.283	5.74	7.283	5.74	10.28	1.91
1.300	1.91	4.300	5.74	7.300	5.74	10.30	1.91
1.317	1.91	4.317	5.74	7.317	5.74	10.32	1.91
1.333	1.91	4.333	5.74	7.333	5.74	10.33	1.91
1.350	1.91	4.350	5.74	7.350	5.74	10.35	1.91
1.367	1.91	4.367	5.74	7.367	5.74	10.37	1.91
1.383	1.91	4.383	5.74	7.383	5.74	10.38	1.91
1.400	1.91	4.400	5.74	7.400	5.74	10.40	1.91
1.417	1.91	4.417	5.74	7.417	5.74	10.42	1.91
1.433	1.91	4.433	5.74	7.433	5.74	10.43	1.91
1.450	1.91	4.450	5.74	7.450	5.74	10.45	1.91
1.467	1.91	4.467	5.74	7.467	5.74	10.47	1.91
1.483	1.91	4.483	5.74	7.483	5.74	10.48	1.91
1.500	1.91	4.500	5.74	7.500	5.74	10.50	1.91
1.517	1.91	4.517	6.70	7.517	5.74	10.52	1.91
1.533	1.91	4.533	6.70	7.533	5.74	10.53	1.91
1.550	1.91	4.550	6.70	7.550	5.74	10.55	1.91
1.567	1.91	4.567	6.70	7.567	5.74	10.57	1.91
1.583	1.91	4.583	6.70	7.583	5.74	10.58	1.91
1.600	1.91	4.600	6.70	7.600	5.74	10.60	1.91
1.617	1.91	4.617	6.70	7.617	5.74	10.62	1.91
1.633	1.91	4.633	6.70	7.633	5.74	10.63	1.91
1.650	1.91	4.650	6.70	7.650	5.74	10.65	1.91
1.667	1.91	4.667	6.70	7.667	5.74	10.67	1.91
1.683	1.91	4.683	6.70	7.683	5.74	10.68	1.91
1.700	1.91	4.700	6.70	7.700	5.74	10.70	1.91
1.717	1.91	4.717	6.70	7.717	5.74	10.72	1.91
1.733	1.91	4.733	6.70	7.733	5.74	10.73	1.91
1.750	1.91	4.750	6.70	7.750	5.74	10.75	1.91
1.767	1.91	4.767	7.66	7.767	5.74	10.77	1.91
1.783	1.91	4.783	7.66	7.783	5.74	10.78	1.91
1.800	1.91	4.800	7.66	7.800	5.74	10.80	1.91

1.817	1.91	4.817	7.66	7.817	5.74	10.82	1.91
1.833	1.91	4.833	7.66	7.833	5.74	10.83	1.91
1.850	1.91	4.850	7.66	7.850	5.74	10.85	1.91
1.867	1.91	4.867	7.66	7.867	5.74	10.87	1.91
1.883	1.91	4.883	7.66	7.883	5.74	10.88	1.91
1.900	1.91	4.900	7.66	7.900	5.74	10.90	1.91
1.917	1.91	4.917	7.66	7.917	5.74	10.92	1.91
1.933	1.91	4.933	7.66	7.933	5.74	10.93	1.91
1.950	1.91	4.950	7.66	7.950	5.74	10.95	1.91
1.967	1.91	4.967	7.66	7.967	5.74	10.97	1.91
1.983	1.91	4.983	7.66	7.983	5.74	10.98	1.91
2.000	1.91	5.000	7.66	8.000	5.74	11.00	1.91
2.017	2.87	5.017	9.57	8.017	4.79	11.02	1.91
2.033	2.87	5.033	9.57	8.033	4.79	11.03	1.91
2.050	2.87	5.050	9.57	8.050	4.79	11.05	1.91
2.067	2.87	5.067	9.57	8.067	4.79	11.07	1.91
2.083	2.87	5.083	9.57	8.083	4.79	11.08	1.91
2.100	2.87	5.100	9.57	8.100	4.79	11.10	1.91
2.117	2.87	5.117	9.57	8.117	4.79	11.12	1.91
2.133	2.87	5.133	9.57	8.133	4.79	11.13	1.91
2.150	2.87	5.150	9.57	8.150	4.79	11.15	1.91
2.167	2.87	5.167	9.57	8.167	4.79	11.17	1.91
2.183	2.87	5.183	9.57	8.183	4.79	11.18	1.91
2.200	2.87	5.200	9.57	8.200	4.79	11.20	1.91
2.217	2.87	5.217	9.57	8.217	4.79	11.22	1.91
2.233	2.87	5.233	9.57	8.233	4.79	11.23	1.91
2.250	2.87	5.250	9.57	8.250	4.78	11.25	1.91
2.267	3.83	5.267	11.49	8.267	3.83	11.27	1.91
2.283	3.83	5.283	11.49	8.283	3.83	11.28	1.91
2.300	3.83	5.300	11.49	8.300	3.83	11.30	1.91
2.317	3.83	5.317	11.49	8.317	3.83	11.32	1.91
2.333	3.83	5.333	11.49	8.333	3.83	11.33	1.91
2.350	3.83	5.350	11.49	8.350	3.83	11.35	1.91
2.367	3.83	5.367	11.49	8.367	3.83	11.37	1.91
2.383	3.83	5.383	11.49	8.383	3.83	11.38	1.91
2.400	3.83	5.400	11.49	8.400	3.83	11.40	1.91
2.417	3.83	5.417	11.49	8.417	3.83	11.42	1.91
2.433	3.83	5.433	11.49	8.433	3.83	11.43	1.91
2.450	3.83	5.450	11.49	8.450	3.83	11.45	1.91
2.467	3.83	5.467	11.49	8.467	3.83	11.47	1.91
2.483	3.83	5.483	11.49	8.483	3.83	11.48	1.91
2.500	3.83	5.500	11.52	8.500	3.83	11.50	1.91
2.517	3.83	5.517	48.81	8.517	3.83	11.52	1.91
2.533	3.83	5.533	48.81	8.533	3.83	11.53	1.91
2.550	3.83	5.550	48.81	8.550	3.83	11.55	1.91
2.567	3.83	5.567	48.81	8.567	3.83	11.57	1.91
2.583	3.83	5.583	48.81	8.583	3.83	11.58	1.91
2.600	3.83	5.600	48.81	8.600	3.83	11.60	1.91
2.617	3.83	5.617	48.81	8.617	3.83	11.62	1.91
2.633	3.83	5.633	48.81	8.633	3.83	11.63	1.91
2.650	3.83	5.650	48.81	8.650	3.83	11.65	1.91
2.667	3.83	5.667	48.81	8.667	3.83	11.67	1.91
2.683	3.83	5.683	48.81	8.683	3.83	11.68	1.91
2.700	3.83	5.700	48.81	8.700	3.83	11.70	1.91
2.717	3.83	5.717	48.81	8.717	3.83	11.72	1.91
2.733	3.83	5.733	48.81	8.733	3.83	11.73	1.91
2.750	3.83	5.750	48.86	8.750	3.83	11.75	1.91
2.767	3.83	5.767	86.14	8.767	3.83	11.77	1.91
2.783	3.83	5.783	86.14	8.783	3.83	11.78	1.91
2.800	3.83	5.800	86.14	8.800	3.83	11.80	1.91
2.817	3.83	5.817	86.14	8.817	3.83	11.82	1.91
2.833	3.83	5.833	86.14	8.833	3.83	11.83	1.91
2.850	3.83	5.850	86.14	8.850	3.83	11.85	1.91
2.867	3.83	5.867	86.14	8.867	3.83	11.87	1.91
2.883	3.83	5.883	86.14	8.883	3.83	11.88	1.91
2.900	3.83	5.900	86.14	8.900	3.83	11.90	1.91
2.917	3.83	5.917	86.14	8.917	3.83	11.92	1.91
2.933	3.83	5.933	86.14	8.933	3.83	11.93	1.91
2.950	3.83	5.950	86.14	8.950	3.83	11.95	1.91
2.967	3.83	5.967	86.14	8.967	3.83	11.97	1.91
2.983	3.83	5.983	86.14	8.983	3.83	11.98	1.91
3.000	3.83	6.000	86.09	9.000	3.83	12.00	1.91

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.612 (i)
TIME TO PEAK (hrs)= 6.500
RUNOFF VOLUME (mm)= 27.116
TOTAL RAINFALL (mm)= 95.470
RUNOFF COEFFICIENT = 0.284

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0204)
ID= 1 DT= 1.0 min

Area (ha)= 0.96
Total Imp(%)= 68.00 Dir. Conn.(%)= 47.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.65	0.31
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.96	3.017	3.83	6.017	51.68	9.02	3.83
0.033	0.96	3.033	3.83	6.033	51.68	9.03	3.83
0.050	0.96	3.050	3.83	6.050	51.68	9.05	3.83
0.067	0.96	3.067	3.83	6.067	51.68	9.07	3.83
0.083	0.96	3.083	3.83	6.083	51.68	9.08	3.83
0.100	0.96	3.100	3.83	6.100	51.68	9.10	3.83
0.117	0.96	3.117	3.83	6.117	51.68	9.12	3.83
0.133	0.96	3.133	3.83	6.133	51.68	9.13	3.83
0.150	0.96	3.150	3.83	6.150	51.68	9.15	3.83
0.167	0.96	3.167	3.83	6.167	51.68	9.17	3.83
0.183	0.96	3.183	3.83	6.183	51.68	9.18	3.83
0.200	0.96	3.200	3.83	6.200	51.68	9.20	3.83
0.217	0.96	3.217	3.83	6.217	51.68	9.22	3.83
0.233	0.96	3.233	3.83	6.233	51.68	9.23	3.83
0.250	0.96	3.250	3.83	6.250	51.63	9.25	3.83
0.267	1.91	3.267	3.83	6.267	17.23	9.27	3.83
0.283	1.91	3.283	3.83	6.283	17.23	9.28	3.83
0.300	1.91	3.300	3.83	6.300	17.23	9.30	3.83
0.317	1.91	3.317	3.83	6.317	17.23	9.32	3.83
0.333	1.91	3.333	3.83	6.333	17.23	9.33	3.83
0.350	1.91	3.350	3.83	6.350	17.23	9.35	3.83
0.367	1.91	3.367	3.83	6.367	17.23	9.37	3.83
0.383	1.91	3.383	3.83	6.383	17.23	9.38	3.83
0.400	1.91	3.400	3.83	6.400	17.23	9.40	3.83
0.417	1.91	3.417	3.83	6.417	17.23	9.42	3.83
0.433	1.91	3.433	3.83	6.433	17.23	9.43	3.83
0.450	1.91	3.450	3.83	6.450	17.23	9.45	3.83
0.467	1.91	3.467	3.83	6.467	17.23	9.47	3.83
0.483	1.91	3.483	3.83	6.483	17.23	9.48	3.83
0.500	1.91	3.500	3.83	6.500	17.22	9.50	3.83
0.517	1.91	3.517	3.83	6.517	12.44	9.52	2.87
0.533	1.91	3.533	3.83	6.533	12.44	9.53	2.87
0.550	1.91	3.550	3.83	6.550	12.44	9.55	2.87
0.567	1.91	3.567	3.83	6.567	12.44	9.57	2.87
0.583	1.91	3.583	3.83	6.583	12.44	9.58	2.87
0.600	1.91	3.600	3.83	6.600	12.44	9.60	2.87
0.617	1.91	3.617	3.83	6.617	12.44	9.62	2.87
0.633	1.91	3.633	3.83	6.633	12.44	9.63	2.87
0.650	1.91	3.650	3.83	6.650	12.44	9.65	2.87
0.667	1.91	3.667	3.83	6.667	12.44	9.67	2.87
0.683	1.91	3.683	3.83	6.683	12.44	9.68	2.87
0.700	1.91	3.700	3.83	6.700	12.44	9.70	2.87
0.717	1.91	3.717	3.83	6.717	12.44	9.72	2.87
0.733	1.91	3.733	3.83	6.733	12.44	9.73	2.87
0.750	1.91	3.750	3.83	6.750	12.43	9.75	2.87
0.767	1.91	3.767	3.83	6.767	7.66	9.77	1.91
0.783	1.91	3.783	3.83	6.783	7.66	9.78	1.91
0.800	1.91	3.800	3.83	6.800	7.66	9.80	1.91
0.817	1.91	3.817	3.83	6.817	7.66	9.82	1.91
0.833	1.91	3.833	3.83	6.833	7.66	9.83	1.91
0.850	1.91	3.850	3.83	6.850	7.66	9.85	1.91
0.867	1.91	3.867	3.83	6.867	7.66	9.87	1.91
0.883	1.91	3.883	3.83	6.883	7.66	9.88	1.91
0.900	1.91	3.900	3.83	6.900	7.66	9.90	1.91
0.917	1.91	3.917	3.83	6.917	7.66	9.92	1.91
0.933	1.91	3.933	3.83	6.933	7.66	9.93	1.91
0.950	1.91	3.950	3.83	6.950	7.66	9.95	1.91
0.967	1.91	3.967	3.83	6.967	7.66	9.97	1.91
0.983	1.91	3.983	3.83	6.983	7.66	9.98	1.91
1.000	1.91	4.000	3.83	7.000	7.65	10.00	1.91
1.017	1.91	4.017	4.79	7.017	6.70	10.02	1.91
1.033	1.91	4.033	4.79	7.033	6.70	10.03	1.91
1.050	1.91	4.050	4.79	7.050	6.70	10.05	1.91
1.067	1.91	4.067	4.79	7.067	6.70	10.07	1.91
1.083	1.91	4.083	4.79	7.083	6.70	10.08	1.91
1.100	1.91	4.100	4.79	7.100	6.70	10.10	1.91

1.117	1.91	4.117	4.79	7.117	6.70	10.12	1.91
1.133	1.91	4.133	4.79	7.133	6.70	10.13	1.91
1.150	1.91	4.150	4.79	7.150	6.70	10.15	1.91
1.167	1.91	4.167	4.79	7.167	6.70	10.17	1.91
1.183	1.91	4.183	4.79	7.183	6.70	10.18	1.91
1.200	1.91	4.200	4.79	7.200	6.70	10.20	1.91
1.217	1.91	4.217	4.79	7.217	6.70	10.22	1.91
1.233	1.91	4.233	4.79	7.233	6.70	10.23	1.91
1.250	1.91	4.250	4.79	7.250	6.70	10.25	1.91
1.267	1.91	4.267	5.74	7.267	5.74	10.27	1.91
1.283	1.91	4.283	5.74	7.283	5.74	10.28	1.91
1.300	1.91	4.300	5.74	7.300	5.74	10.30	1.91
1.317	1.91	4.317	5.74	7.317	5.74	10.32	1.91
1.333	1.91	4.333	5.74	7.333	5.74	10.33	1.91
1.350	1.91	4.350	5.74	7.350	5.74	10.35	1.91
1.367	1.91	4.367	5.74	7.367	5.74	10.37	1.91
1.383	1.91	4.383	5.74	7.383	5.74	10.38	1.91
1.400	1.91	4.400	5.74	7.400	5.74	10.40	1.91
1.417	1.91	4.417	5.74	7.417	5.74	10.42	1.91
1.433	1.91	4.433	5.74	7.433	5.74	10.43	1.91
1.450	1.91	4.450	5.74	7.450	5.74	10.45	1.91
1.467	1.91	4.467	5.74	7.467	5.74	10.47	1.91
1.483	1.91	4.483	5.74	7.483	5.74	10.48	1.91
1.500	1.91	4.500	5.74	7.500	5.74	10.50	1.91
1.517	1.91	4.517	6.70	7.517	5.74	10.52	1.91
1.533	1.91	4.533	6.70	7.533	5.74	10.53	1.91
1.550	1.91	4.550	6.70	7.550	5.74	10.55	1.91
1.567	1.91	4.567	6.70	7.567	5.74	10.57	1.91
1.583	1.91	4.583	6.70	7.583	5.74	10.58	1.91
1.600	1.91	4.600	6.70	7.600	5.74	10.60	1.91
1.617	1.91	4.617	6.70	7.617	5.74	10.62	1.91
1.633	1.91	4.633	6.70	7.633	5.74	10.63	1.91
1.650	1.91	4.650	6.70	7.650	5.74	10.65	1.91
1.667	1.91	4.667	6.70	7.667	5.74	10.67	1.91
1.683	1.91	4.683	6.70	7.683	5.74	10.68	1.91
1.700	1.91	4.700	6.70	7.700	5.74	10.70	1.91
1.717	1.91	4.717	6.70	7.717	5.74	10.72	1.91
1.733	1.91	4.733	6.70	7.733	5.74	10.73	1.91
1.750	1.91	4.750	6.70	7.750	5.74	10.75	1.91
1.767	1.91	4.767	7.66	7.767	5.74	10.77	1.91
1.783	1.91	4.783	7.66	7.783	5.74	10.78	1.91
1.800	1.91	4.800	7.66	7.800	5.74	10.80	1.91
1.817	1.91	4.817	7.66	7.817	5.74	10.82	1.91
1.833	1.91	4.833	7.66	7.833	5.74	10.83	1.91
1.850	1.91	4.850	7.66	7.850	5.74	10.85	1.91
1.867	1.91	4.867	7.66	7.867	5.74	10.87	1.91
1.883	1.91	4.883	7.66	7.883	5.74	10.88	1.91
1.900	1.91	4.900	7.66	7.900	5.74	10.90	1.91
1.917	1.91	4.917	7.66	7.917	5.74	10.92	1.91
1.933	1.91	4.933	7.66	7.933	5.74	10.93	1.91
1.950	1.91	4.950	7.66	7.950	5.74	10.95	1.91
1.967	1.91	4.967	7.66	7.967	5.74	10.97	1.91
1.983	1.91	4.983	7.66	7.983	5.74	10.98	1.91
2.000	1.91	5.000	7.66	8.000	5.74	11.00	1.91
2.017	2.87	5.017	9.57	8.017	4.79	11.02	1.91
2.033	2.87	5.033	9.57	8.033	4.79	11.03	1.91
2.050	2.87	5.050	9.57	8.050	4.79	11.05	1.91
2.067	2.87	5.067	9.57	8.067	4.79	11.07	1.91
2.083	2.87	5.083	9.57	8.083	4.79	11.08	1.91
2.100	2.87	5.100	9.57	8.100	4.79	11.10	1.91
2.117	2.87	5.117	9.57	8.117	4.79	11.12	1.91
2.133	2.87	5.133	9.57	8.133	4.79	11.13	1.91
2.150	2.87	5.150	9.57	8.150	4.79	11.15	1.91
2.167	2.87	5.167	9.57	8.167	4.79	11.17	1.91
2.183	2.87	5.183	9.57	8.183	4.79	11.18	1.91
2.200	2.87	5.200	9.57	8.200	4.79	11.20	1.91
2.217	2.87	5.217	9.57	8.217	4.79	11.22	1.91
2.233	2.87	5.233	9.57	8.233	4.79	11.23	1.91
2.250	2.87	5.250	9.57	8.250	4.78	11.25	1.91
2.267	3.83	5.267	11.49	8.267	3.83	11.27	1.91
2.283	3.83	5.283	11.49	8.283	3.83	11.28	1.91
2.300	3.83	5.300	11.49	8.300	3.83	11.30	1.91
2.317	3.83	5.317	11.49	8.317	3.83	11.32	1.91
2.333	3.83	5.333	11.49	8.333	3.83	11.33	1.91
2.350	3.83	5.350	11.49	8.350	3.83	11.35	1.91
2.367	3.83	5.367	11.49	8.367	3.83	11.37	1.91
2.383	3.83	5.383	11.49	8.383	3.83	11.38	1.91
2.400	3.83	5.400	11.49	8.400	3.83	11.40	1.91
2.417	3.83	5.417	11.49	8.417	3.83	11.42	1.91
2.433	3.83	5.433	11.49	8.433	3.83	11.43	1.91
2.450	3.83	5.450	11.49	8.450	3.83	11.45	1.91
2.467	3.83	5.467	11.49	8.467	3.83	11.47	1.91
2.483	3.83	5.483	11.49	8.483	3.83	11.48	1.91
2.500	3.83	5.500	11.52	8.500	3.83	11.50	1.91

2.517	3.83	5.517	48.81	8.517	3.83	11.52	1.91
2.533	3.83	5.533	48.81	8.533	3.83	11.53	1.91
2.550	3.83	5.550	48.81	8.550	3.83	11.55	1.91
2.567	3.83	5.567	48.81	8.567	3.83	11.57	1.91
2.583	3.83	5.583	48.81	8.583	3.83	11.58	1.91
2.600	3.83	5.600	48.81	8.600	3.83	11.60	1.91
2.617	3.83	5.617	48.81	8.617	3.83	11.62	1.91
2.633	3.83	5.633	48.81	8.633	3.83	11.63	1.91
2.650	3.83	5.650	48.81	8.650	3.83	11.65	1.91
2.667	3.83	5.667	48.81	8.667	3.83	11.67	1.91
2.683	3.83	5.683	48.81	8.683	3.83	11.68	1.91
2.700	3.83	5.700	48.81	8.700	3.83	11.70	1.91
2.717	3.83	5.717	48.81	8.717	3.83	11.72	1.91
2.733	3.83	5.733	48.81	8.733	3.83	11.73	1.91
2.750	3.83	5.750	48.86	8.750	3.83	11.75	1.91
2.767	3.83	5.767	86.14	8.767	3.83	11.77	1.91
2.783	3.83	5.783	86.14	8.783	3.83	11.78	1.91
2.800	3.83	5.800	86.14	8.800	3.83	11.80	1.91
2.817	3.83	5.817	86.14	8.817	3.83	11.82	1.91
2.833	3.83	5.833	86.14	8.833	3.83	11.83	1.91
2.850	3.83	5.850	86.14	8.850	3.83	11.85	1.91
2.867	3.83	5.867	86.14	8.867	3.83	11.87	1.91
2.883	3.83	5.883	86.14	8.883	3.83	11.88	1.91
2.900	3.83	5.900	86.14	8.900	3.83	11.90	1.91
2.917	3.83	5.917	86.14	8.917	3.83	11.92	1.91
2.933	3.83	5.933	86.14	8.933	3.83	11.93	1.91
2.950	3.83	5.950	86.14	8.950	3.83	11.95	1.91
2.967	3.83	5.967	86.14	8.967	3.83	11.97	1.91
2.983	3.83	5.983	86.14	8.983	3.83	11.98	1.91
3.000	3.83	6.000	86.09	9.000	3.83	12.00	1.91

Max.Eff.Inten.(mm/hr)=	86.14	64.53	
over (min)	5.00	12.00	
Storage Coeff. (min)=	4.89 (ii)	11.32 (ii)	
Unit Hyd. Tpeak (min)=	5.00	12.00	
Unit Hyd. peak (cms)=	0.23	0.10	
			TOTALS
PEAK FLOW (cms)=	0.10	0.04	0.139 (iii)
TIME TO PEAK (hrs)=	6.00	6.17	6.02
RUNOFF VOLUME (mm)=	93.47	38.31	64.23
TOTAL RAINFALL (mm)=	95.47	95.47	95.47
RUNOFF COEFFICIENT =	0.98	0.40	0.67

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0204):	0.96	0.139	6.02	64.23
+ ID2= 2 (0205):	14.50	0.612	6.50	27.12
=====				
ID = 3 (0017):	15.46	0.666	6.45	29.42

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 3 (0017):	15.46	0.666	6.45	29.42
+ ID2= 2 (0087):	15.86	0.878	6.43	33.49
=====				
ID = 1 (0017):	31.32	1.543	6.45	31.48

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB				
STANDHYD (0012)	Area (ha)=	1.18		
ID= 1 DT= 1.0 min	Total Imp(%)=	22.00	Dir. Conn.(%)=	22.00
	IMPERVIOUS	PERVIOUS (i)		
Surface Area (ha)=	0.26	0.92		
Dep. Storage (mm)=	2.00	4.60		
Average slope (%)=	1.00	2.00		

Length (m)= 88.84 40.00
Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.96	3.017	3.83	6.017	51.68	9.02	3.83
0.033	0.96	3.033	3.83	6.033	51.68	9.03	3.83
0.050	0.96	3.050	3.83	6.050	51.68	9.05	3.83
0.067	0.96	3.067	3.83	6.067	51.68	9.07	3.83
0.083	0.96	3.083	3.83	6.083	51.68	9.08	3.83
0.100	0.96	3.100	3.83	6.100	51.68	9.10	3.83
0.117	0.96	3.117	3.83	6.117	51.68	9.12	3.83
0.133	0.96	3.133	3.83	6.133	51.68	9.13	3.83
0.150	0.96	3.150	3.83	6.150	51.68	9.15	3.83
0.167	0.96	3.167	3.83	6.167	51.68	9.17	3.83
0.183	0.96	3.183	3.83	6.183	51.68	9.18	3.83
0.200	0.96	3.200	3.83	6.200	51.68	9.20	3.83
0.217	0.96	3.217	3.83	6.217	51.68	9.22	3.83
0.233	0.96	3.233	3.83	6.233	51.68	9.23	3.83
0.250	0.96	3.250	3.83	6.250	51.63	9.25	3.83
0.267	1.91	3.267	3.83	6.267	17.23	9.27	3.83
0.283	1.91	3.283	3.83	6.283	17.23	9.28	3.83
0.300	1.91	3.300	3.83	6.300	17.23	9.30	3.83
0.317	1.91	3.317	3.83	6.317	17.23	9.32	3.83
0.333	1.91	3.333	3.83	6.333	17.23	9.33	3.83
0.350	1.91	3.350	3.83	6.350	17.23	9.35	3.83
0.367	1.91	3.367	3.83	6.367	17.23	9.37	3.83
0.383	1.91	3.383	3.83	6.383	17.23	9.38	3.83
0.400	1.91	3.400	3.83	6.400	17.23	9.40	3.83
0.417	1.91	3.417	3.83	6.417	17.23	9.42	3.83
0.433	1.91	3.433	3.83	6.433	17.23	9.43	3.83
0.450	1.91	3.450	3.83	6.450	17.23	9.45	3.83
0.467	1.91	3.467	3.83	6.467	17.23	9.47	3.83
0.483	1.91	3.483	3.83	6.483	17.23	9.48	3.83
0.500	1.91	3.500	3.83	6.500	17.22	9.50	3.83
0.517	1.91	3.517	3.83	6.517	12.44	9.52	2.87
0.533	1.91	3.533	3.83	6.533	12.44	9.53	2.87
0.550	1.91	3.550	3.83	6.550	12.44	9.55	2.87
0.567	1.91	3.567	3.83	6.567	12.44	9.57	2.87
0.583	1.91	3.583	3.83	6.583	12.44	9.58	2.87
0.600	1.91	3.600	3.83	6.600	12.44	9.60	2.87
0.617	1.91	3.617	3.83	6.617	12.44	9.62	2.87
0.633	1.91	3.633	3.83	6.633	12.44	9.63	2.87
0.650	1.91	3.650	3.83	6.650	12.44	9.65	2.87
0.667	1.91	3.667	3.83	6.667	12.44	9.67	2.87
0.683	1.91	3.683	3.83	6.683	12.44	9.68	2.87
0.700	1.91	3.700	3.83	6.700	12.44	9.70	2.87
0.717	1.91	3.717	3.83	6.717	12.44	9.72	2.87
0.733	1.91	3.733	3.83	6.733	12.44	9.73	2.87
0.750	1.91	3.750	3.83	6.750	12.43	9.75	2.87
0.767	1.91	3.767	3.83	6.767	7.66	9.77	1.91
0.783	1.91	3.783	3.83	6.783	7.66	9.78	1.91
0.800	1.91	3.800	3.83	6.800	7.66	9.80	1.91
0.817	1.91	3.817	3.83	6.817	7.66	9.82	1.91
0.833	1.91	3.833	3.83	6.833	7.66	9.83	1.91
0.850	1.91	3.850	3.83	6.850	7.66	9.85	1.91
0.867	1.91	3.867	3.83	6.867	7.66	9.87	1.91
0.883	1.91	3.883	3.83	6.883	7.66	9.88	1.91
0.900	1.91	3.900	3.83	6.900	7.66	9.90	1.91
0.917	1.91	3.917	3.83	6.917	7.66	9.92	1.91
0.933	1.91	3.933	3.83	6.933	7.66	9.93	1.91
0.950	1.91	3.950	3.83	6.950	7.66	9.95	1.91
0.967	1.91	3.967	3.83	6.967	7.66	9.97	1.91
0.983	1.91	3.983	3.83	6.983	7.66	9.98	1.91
1.000	1.91	4.000	3.83	7.000	7.65	10.00	1.91
1.017	1.91	4.017	4.79	7.017	6.70	10.02	1.91
1.033	1.91	4.033	4.79	7.033	6.70	10.03	1.91
1.050	1.91	4.050	4.79	7.050	6.70	10.05	1.91
1.067	1.91	4.067	4.79	7.067	6.70	10.07	1.91
1.083	1.91	4.083	4.79	7.083	6.70	10.08	1.91
1.100	1.91	4.100	4.79	7.100	6.70	10.10	1.91
1.117	1.91	4.117	4.79	7.117	6.70	10.12	1.91
1.133	1.91	4.133	4.79	7.133	6.70	10.13	1.91
1.150	1.91	4.150	4.79	7.150	6.70	10.15	1.91
1.167	1.91	4.167	4.79	7.167	6.70	10.17	1.91
1.183	1.91	4.183	4.79	7.183	6.70	10.18	1.91
1.200	1.91	4.200	4.79	7.200	6.70	10.20	1.91
1.217	1.91	4.217	4.79	7.217	6.70	10.22	1.91
1.233	1.91	4.233	4.79	7.233	6.70	10.23	1.91
1.250	1.91	4.250	4.79	7.250	6.70	10.25	1.91

1.267	1.91	4.267	5.74	7.267	5.74	10.27	1.91
1.283	1.91	4.283	5.74	7.283	5.74	10.28	1.91
1.300	1.91	4.300	5.74	7.300	5.74	10.30	1.91
1.317	1.91	4.317	5.74	7.317	5.74	10.32	1.91
1.333	1.91	4.333	5.74	7.333	5.74	10.33	1.91
1.350	1.91	4.350	5.74	7.350	5.74	10.35	1.91
1.367	1.91	4.367	5.74	7.367	5.74	10.37	1.91
1.383	1.91	4.383	5.74	7.383	5.74	10.38	1.91
1.400	1.91	4.400	5.74	7.400	5.74	10.40	1.91
1.417	1.91	4.417	5.74	7.417	5.74	10.42	1.91
1.433	1.91	4.433	5.74	7.433	5.74	10.43	1.91
1.450	1.91	4.450	5.74	7.450	5.74	10.45	1.91
1.467	1.91	4.467	5.74	7.467	5.74	10.47	1.91
1.483	1.91	4.483	5.74	7.483	5.74	10.48	1.91
1.500	1.91	4.500	5.74	7.500	5.74	10.50	1.91
1.517	1.91	4.517	6.70	7.517	5.74	10.52	1.91
1.533	1.91	4.533	6.70	7.533	5.74	10.53	1.91
1.550	1.91	4.550	6.70	7.550	5.74	10.55	1.91
1.567	1.91	4.567	6.70	7.567	5.74	10.57	1.91
1.583	1.91	4.583	6.70	7.583	5.74	10.58	1.91
1.600	1.91	4.600	6.70	7.600	5.74	10.60	1.91
1.617	1.91	4.617	6.70	7.617	5.74	10.62	1.91
1.633	1.91	4.633	6.70	7.633	5.74	10.63	1.91
1.650	1.91	4.650	6.70	7.650	5.74	10.65	1.91
1.667	1.91	4.667	6.70	7.667	5.74	10.67	1.91
1.683	1.91	4.683	6.70	7.683	5.74	10.68	1.91
1.700	1.91	4.700	6.70	7.700	5.74	10.70	1.91
1.717	1.91	4.717	6.70	7.717	5.74	10.72	1.91
1.733	1.91	4.733	6.70	7.733	5.74	10.73	1.91
1.750	1.91	4.750	6.70	7.750	5.74	10.75	1.91
1.767	1.91	4.767	7.66	7.767	5.74	10.77	1.91
1.783	1.91	4.783	7.66	7.783	5.74	10.78	1.91
1.800	1.91	4.800	7.66	7.800	5.74	10.80	1.91
1.817	1.91	4.817	7.66	7.817	5.74	10.82	1.91
1.833	1.91	4.833	7.66	7.833	5.74	10.83	1.91
1.850	1.91	4.850	7.66	7.850	5.74	10.85	1.91
1.867	1.91	4.867	7.66	7.867	5.74	10.87	1.91
1.883	1.91	4.883	7.66	7.883	5.74	10.88	1.91
1.900	1.91	4.900	7.66	7.900	5.74	10.90	1.91
1.917	1.91	4.917	7.66	7.917	5.74	10.92	1.91
1.933	1.91	4.933	7.66	7.933	5.74	10.93	1.91
1.950	1.91	4.950	7.66	7.950	5.74	10.95	1.91
1.967	1.91	4.967	7.66	7.967	5.74	10.97	1.91
1.983	1.91	4.983	7.66	7.983	5.74	10.98	1.91
2.000	1.91	5.000	7.66	8.000	5.74	11.00	1.91
2.017	2.87	5.017	9.57	8.017	4.79	11.02	1.91
2.033	2.87	5.033	9.57	8.033	4.79	11.03	1.91
2.050	2.87	5.050	9.57	8.050	4.79	11.05	1.91
2.067	2.87	5.067	9.57	8.067	4.79	11.07	1.91
2.083	2.87	5.083	9.57	8.083	4.79	11.08	1.91
2.100	2.87	5.100	9.57	8.100	4.79	11.10	1.91
2.117	2.87	5.117	9.57	8.117	4.79	11.12	1.91
2.133	2.87	5.133	9.57	8.133	4.79	11.13	1.91
2.150	2.87	5.150	9.57	8.150	4.79	11.15	1.91
2.167	2.87	5.167	9.57	8.167	4.79	11.17	1.91
2.183	2.87	5.183	9.57	8.183	4.79	11.18	1.91
2.200	2.87	5.200	9.57	8.200	4.79	11.20	1.91
2.217	2.87	5.217	9.57	8.217	4.79	11.22	1.91
2.233	2.87	5.233	9.57	8.233	4.79	11.23	1.91
2.250	2.87	5.250	9.57	8.250	4.78	11.25	1.91
2.267	3.83	5.267	11.49	8.267	3.83	11.27	1.91
2.283	3.83	5.283	11.49	8.283	3.83	11.28	1.91
2.300	3.83	5.300	11.49	8.300	3.83	11.30	1.91
2.317	3.83	5.317	11.49	8.317	3.83	11.32	1.91
2.333	3.83	5.333	11.49	8.333	3.83	11.33	1.91
2.350	3.83	5.350	11.49	8.350	3.83	11.35	1.91
2.367	3.83	5.367	11.49	8.367	3.83	11.37	1.91
2.383	3.83	5.383	11.49	8.383	3.83	11.38	1.91
2.400	3.83	5.400	11.49	8.400	3.83	11.40	1.91
2.417	3.83	5.417	11.49	8.417	3.83	11.42	1.91
2.433	3.83	5.433	11.49	8.433	3.83	11.43	1.91
2.450	3.83	5.450	11.49	8.450	3.83	11.45	1.91
2.467	3.83	5.467	11.49	8.467	3.83	11.47	1.91
2.483	3.83	5.483	11.49	8.483	3.83	11.48	1.91
2.500	3.83	5.500	11.52	8.500	3.83	11.50	1.91
2.517	3.83	5.517	48.81	8.517	3.83	11.52	1.91
2.533	3.83	5.533	48.81	8.533	3.83	11.53	1.91
2.550	3.83	5.550	48.81	8.550	3.83	11.55	1.91
2.567	3.83	5.567	48.81	8.567	3.83	11.57	1.91
2.583	3.83	5.583	48.81	8.583	3.83	11.58	1.91
2.600	3.83	5.600	48.81	8.600	3.83	11.60	1.91
2.617	3.83	5.617	48.81	8.617	3.83	11.62	1.91
2.633	3.83	5.633	48.81	8.633	3.83	11.63	1.91
2.650	3.83	5.650	48.81	8.650	3.83	11.65	1.91

2.667	3.83	5.667	48.81	8.667	3.83	11.67	1.91
2.683	3.83	5.683	48.81	8.683	3.83	11.68	1.91
2.700	3.83	5.700	48.81	8.700	3.83	11.70	1.91
2.717	3.83	5.717	48.81	8.717	3.83	11.72	1.91
2.733	3.83	5.733	48.81	8.733	3.83	11.73	1.91
2.750	3.83	5.750	48.86	8.750	3.83	11.75	1.91
2.767	3.83	5.767	86.14	8.767	3.83	11.77	1.91
2.783	3.83	5.783	86.14	8.783	3.83	11.78	1.91
2.800	3.83	5.800	86.14	8.800	3.83	11.80	1.91
2.817	3.83	5.817	86.14	8.817	3.83	11.82	1.91
2.833	3.83	5.833	86.14	8.833	3.83	11.83	1.91
2.850	3.83	5.850	86.14	8.850	3.83	11.85	1.91
2.867	3.83	5.867	86.14	8.867	3.83	11.87	1.91
2.883	3.83	5.883	86.14	8.883	3.83	11.88	1.91
2.900	3.83	5.900	86.14	8.900	3.83	11.90	1.91
2.917	3.83	5.917	86.14	8.917	3.83	11.92	1.91
2.933	3.83	5.933	86.14	8.933	3.83	11.93	1.91
2.950	3.83	5.950	86.14	8.950	3.83	11.95	1.91
2.967	3.83	5.967	86.14	8.967	3.83	11.97	1.91
2.983	3.83	5.983	86.14	8.983	3.83	11.98	1.91
3.000	3.83	6.000	86.09	9.000	3.83	12.00	1.91

Max.Eff.Inten.(mm/hr)= 86.14 25.79
over (min) 5.00 15.00
Storage Coeff. (min)= 2.53 (ii) 14.66 (ii)
Unit Hyd. Tpeak (min)= 5.00 15.00
Unit Hyd. peak (cms)= 0.34 0.08

TOTALS

PEAK FLOW (cms)= 0.06 0.05 0.095 (iii)
TIME TO PEAK (hrs)= 6.00 6.25 6.02
RUNOFF VOLUME (mm)= 93.47 26.87 41.52
TOTAL RAINFALL (mm)= 95.47 95.47 95.47
RUNOFF COEFFICIENT = 0.98 0.28 0.43

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0203)
ID= 1 DT= 1.0 min
Area (ha)= 17.16
Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.21	9.95
Dep. Storage	(mm)=	2.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	267.45	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.96	3.017	3.83	6.017	51.68	9.02	3.83
0.033	0.96	3.033	3.83	6.033	51.68	9.03	3.83
0.050	0.96	3.050	3.83	6.050	51.68	9.05	3.83
0.067	0.96	3.067	3.83	6.067	51.68	9.07	3.83
0.083	0.96	3.083	3.83	6.083	51.68	9.08	3.83
0.100	0.96	3.100	3.83	6.100	51.68	9.10	3.83
0.117	0.96	3.117	3.83	6.117	51.68	9.12	3.83
0.133	0.96	3.133	3.83	6.133	51.68	9.13	3.83
0.150	0.96	3.150	3.83	6.150	51.68	9.15	3.83
0.167	0.96	3.167	3.83	6.167	51.68	9.17	3.83
0.183	0.96	3.183	3.83	6.183	51.68	9.18	3.83
0.200	0.96	3.200	3.83	6.200	51.68	9.20	3.83
0.217	0.96	3.217	3.83	6.217	51.68	9.22	3.83
0.233	0.96	3.233	3.83	6.233	51.68	9.23	3.83
0.250	0.96	3.250	3.83	6.250	51.63	9.25	3.83
0.267	1.91	3.267	3.83	6.267	17.23	9.27	3.83
0.283	1.91	3.283	3.83	6.283	17.23	9.28	3.83
0.300	1.91	3.300	3.83	6.300	17.23	9.30	3.83
0.317	1.91	3.317	3.83	6.317	17.23	9.32	3.83
0.333	1.91	3.333	3.83	6.333	17.23	9.33	3.83
0.350	1.91	3.350	3.83	6.350	17.23	9.35	3.83
0.367	1.91	3.367	3.83	6.367	17.23	9.37	3.83
0.383	1.91	3.383	3.83	6.383	17.23	9.38	3.83
0.400	1.91	3.400	3.83	6.400	17.23	9.40	3.83

0.417	1.91	3.417	3.83	6.417	17.23	9.42	3.83
0.433	1.91	3.433	3.83	6.433	17.23	9.43	3.83
0.450	1.91	3.450	3.83	6.450	17.23	9.45	3.83
0.467	1.91	3.467	3.83	6.467	17.23	9.47	3.83
0.483	1.91	3.483	3.83	6.483	17.23	9.48	3.83
0.500	1.91	3.500	3.83	6.500	17.22	9.50	3.83
0.517	1.91	3.517	3.83	6.517	12.44	9.52	2.87
0.533	1.91	3.533	3.83	6.533	12.44	9.53	2.87
0.550	1.91	3.550	3.83	6.550	12.44	9.55	2.87
0.567	1.91	3.567	3.83	6.567	12.44	9.57	2.87
0.583	1.91	3.583	3.83	6.583	12.44	9.58	2.87
0.600	1.91	3.600	3.83	6.600	12.44	9.60	2.87
0.617	1.91	3.617	3.83	6.617	12.44	9.62	2.87
0.633	1.91	3.633	3.83	6.633	12.44	9.63	2.87
0.650	1.91	3.650	3.83	6.650	12.44	9.65	2.87
0.667	1.91	3.667	3.83	6.667	12.44	9.67	2.87
0.683	1.91	3.683	3.83	6.683	12.44	9.68	2.87
0.700	1.91	3.700	3.83	6.700	12.44	9.70	2.87
0.717	1.91	3.717	3.83	6.717	12.44	9.72	2.87
0.733	1.91	3.733	3.83	6.733	12.44	9.73	2.87
0.750	1.91	3.750	3.83	6.750	12.43	9.75	2.87
0.767	1.91	3.767	3.83	6.767	7.66	9.77	1.91
0.783	1.91	3.783	3.83	6.783	7.66	9.78	1.91
0.800	1.91	3.800	3.83	6.800	7.66	9.80	1.91
0.817	1.91	3.817	3.83	6.817	7.66	9.82	1.91
0.833	1.91	3.833	3.83	6.833	7.66	9.83	1.91
0.850	1.91	3.850	3.83	6.850	7.66	9.85	1.91
0.867	1.91	3.867	3.83	6.867	7.66	9.87	1.91
0.883	1.91	3.883	3.83	6.883	7.66	9.88	1.91
0.900	1.91	3.900	3.83	6.900	7.66	9.90	1.91
0.917	1.91	3.917	3.83	6.917	7.66	9.92	1.91
0.933	1.91	3.933	3.83	6.933	7.66	9.93	1.91
0.950	1.91	3.950	3.83	6.950	7.66	9.95	1.91
0.967	1.91	3.967	3.83	6.967	7.66	9.97	1.91
0.983	1.91	3.983	3.83	6.983	7.66	9.98	1.91
1.000	1.91	4.000	3.83	7.000	7.65	10.00	1.91
1.017	1.91	4.017	4.79	7.017	6.70	10.02	1.91
1.033	1.91	4.033	4.79	7.033	6.70	10.03	1.91
1.050	1.91	4.050	4.79	7.050	6.70	10.05	1.91
1.067	1.91	4.067	4.79	7.067	6.70	10.07	1.91
1.083	1.91	4.083	4.79	7.083	6.70	10.08	1.91
1.100	1.91	4.100	4.79	7.100	6.70	10.10	1.91
1.117	1.91	4.117	4.79	7.117	6.70	10.12	1.91
1.133	1.91	4.133	4.79	7.133	6.70	10.13	1.91
1.150	1.91	4.150	4.79	7.150	6.70	10.15	1.91
1.167	1.91	4.167	4.79	7.167	6.70	10.17	1.91
1.183	1.91	4.183	4.79	7.183	6.70	10.18	1.91
1.200	1.91	4.200	4.79	7.200	6.70	10.20	1.91
1.217	1.91	4.217	4.79	7.217	6.70	10.22	1.91
1.233	1.91	4.233	4.79	7.233	6.70	10.23	1.91
1.250	1.91	4.250	4.79	7.250	6.70	10.25	1.91
1.267	1.91	4.267	5.74	7.267	5.74	10.27	1.91
1.283	1.91	4.283	5.74	7.283	5.74	10.28	1.91
1.300	1.91	4.300	5.74	7.300	5.74	10.30	1.91
1.317	1.91	4.317	5.74	7.317	5.74	10.32	1.91
1.333	1.91	4.333	5.74	7.333	5.74	10.33	1.91
1.350	1.91	4.350	5.74	7.350	5.74	10.35	1.91
1.367	1.91	4.367	5.74	7.367	5.74	10.37	1.91
1.383	1.91	4.383	5.74	7.383	5.74	10.38	1.91
1.400	1.91	4.400	5.74	7.400	5.74	10.40	1.91
1.417	1.91	4.417	5.74	7.417	5.74	10.42	1.91
1.433	1.91	4.433	5.74	7.433	5.74	10.43	1.91
1.450	1.91	4.450	5.74	7.450	5.74	10.45	1.91
1.467	1.91	4.467	5.74	7.467	5.74	10.47	1.91
1.483	1.91	4.483	5.74	7.483	5.74	10.48	1.91
1.500	1.91	4.500	5.74	7.500	5.74	10.50	1.91
1.517	1.91	4.517	6.70	7.517	5.74	10.52	1.91
1.533	1.91	4.533	6.70	7.533	5.74	10.53	1.91
1.550	1.91	4.550	6.70	7.550	5.74	10.55	1.91
1.567	1.91	4.567	6.70	7.567	5.74	10.57	1.91
1.583	1.91	4.583	6.70	7.583	5.74	10.58	1.91
1.600	1.91	4.600	6.70	7.600	5.74	10.60	1.91
1.617	1.91	4.617	6.70	7.617	5.74	10.62	1.91
1.633	1.91	4.633	6.70	7.633	5.74	10.63	1.91
1.650	1.91	4.650	6.70	7.650	5.74	10.65	1.91
1.667	1.91	4.667	6.70	7.667	5.74	10.67	1.91
1.683	1.91	4.683	6.70	7.683	5.74	10.68	1.91
1.700	1.91	4.700	6.70	7.700	5.74	10.70	1.91
1.717	1.91	4.717	6.70	7.717	5.74	10.72	1.91
1.733	1.91	4.733	6.70	7.733	5.74	10.73	1.91
1.750	1.91	4.750	6.70	7.750	5.74	10.75	1.91
1.767	1.91	4.767	7.66	7.767	5.74	10.77	1.91
1.783	1.91	4.783	7.66	7.783	5.74	10.78	1.91
1.800	1.91	4.800	7.66	7.800	5.74	10.80	1.91

1.817	1.91	4.817	7.66	7.817	5.74	10.82	1.91
1.833	1.91	4.833	7.66	7.833	5.74	10.83	1.91
1.850	1.91	4.850	7.66	7.850	5.74	10.85	1.91
1.867	1.91	4.867	7.66	7.867	5.74	10.87	1.91
1.883	1.91	4.883	7.66	7.883	5.74	10.88	1.91
1.900	1.91	4.900	7.66	7.900	5.74	10.90	1.91
1.917	1.91	4.917	7.66	7.917	5.74	10.92	1.91
1.933	1.91	4.933	7.66	7.933	5.74	10.93	1.91
1.950	1.91	4.950	7.66	7.950	5.74	10.95	1.91
1.967	1.91	4.967	7.66	7.967	5.74	10.97	1.91
1.983	1.91	4.983	7.66	7.983	5.74	10.98	1.91
2.000	1.91	5.000	7.66	8.000	5.74	11.00	1.91
2.017	2.87	5.017	9.57	8.017	4.79	11.02	1.91
2.033	2.87	5.033	9.57	8.033	4.79	11.03	1.91
2.050	2.87	5.050	9.57	8.050	4.79	11.05	1.91
2.067	2.87	5.067	9.57	8.067	4.79	11.07	1.91
2.083	2.87	5.083	9.57	8.083	4.79	11.08	1.91
2.100	2.87	5.100	9.57	8.100	4.79	11.10	1.91
2.117	2.87	5.117	9.57	8.117	4.79	11.12	1.91
2.133	2.87	5.133	9.57	8.133	4.79	11.13	1.91
2.150	2.87	5.150	9.57	8.150	4.79	11.15	1.91
2.167	2.87	5.167	9.57	8.167	4.79	11.17	1.91
2.183	2.87	5.183	9.57	8.183	4.79	11.18	1.91
2.200	2.87	5.200	9.57	8.200	4.79	11.20	1.91
2.217	2.87	5.217	9.57	8.217	4.79	11.22	1.91
2.233	2.87	5.233	9.57	8.233	4.79	11.23	1.91
2.250	2.87	5.250	9.57	8.250	4.78	11.25	1.91
2.267	3.83	5.267	11.49	8.267	3.83	11.27	1.91
2.283	3.83	5.283	11.49	8.283	3.83	11.28	1.91
2.300	3.83	5.300	11.49	8.300	3.83	11.30	1.91
2.317	3.83	5.317	11.49	8.317	3.83	11.32	1.91
2.333	3.83	5.333	11.49	8.333	3.83	11.33	1.91
2.350	3.83	5.350	11.49	8.350	3.83	11.35	1.91
2.367	3.83	5.367	11.49	8.367	3.83	11.37	1.91
2.383	3.83	5.383	11.49	8.383	3.83	11.38	1.91
2.400	3.83	5.400	11.49	8.400	3.83	11.40	1.91
2.417	3.83	5.417	11.49	8.417	3.83	11.42	1.91
2.433	3.83	5.433	11.49	8.433	3.83	11.43	1.91
2.450	3.83	5.450	11.49	8.450	3.83	11.45	1.91
2.467	3.83	5.467	11.49	8.467	3.83	11.47	1.91
2.483	3.83	5.483	11.49	8.483	3.83	11.48	1.91
2.500	3.83	5.500	11.52	8.500	3.83	11.50	1.91
2.517	3.83	5.517	48.81	8.517	3.83	11.52	1.91
2.533	3.83	5.533	48.81	8.533	3.83	11.53	1.91
2.550	3.83	5.550	48.81	8.550	3.83	11.55	1.91
2.567	3.83	5.567	48.81	8.567	3.83	11.57	1.91
2.583	3.83	5.583	48.81	8.583	3.83	11.58	1.91
2.600	3.83	5.600	48.81	8.600	3.83	11.60	1.91
2.617	3.83	5.617	48.81	8.617	3.83	11.62	1.91
2.633	3.83	5.633	48.81	8.633	3.83	11.63	1.91
2.650	3.83	5.650	48.81	8.650	3.83	11.65	1.91
2.667	3.83	5.667	48.81	8.667	3.83	11.67	1.91
2.683	3.83	5.683	48.81	8.683	3.83	11.68	1.91
2.700	3.83	5.700	48.81	8.700	3.83	11.70	1.91
2.717	3.83	5.717	48.81	8.717	3.83	11.72	1.91
2.733	3.83	5.733	48.81	8.733	3.83	11.73	1.91
2.750	3.83	5.750	48.86	8.750	3.83	11.75	1.91
2.767	3.83	5.767	86.14	8.767	3.83	11.77	1.91
2.783	3.83	5.783	86.14	8.783	3.83	11.78	1.91
2.800	3.83	5.800	86.14	8.800	3.83	11.80	1.91
2.817	3.83	5.817	86.14	8.817	3.83	11.82	1.91
2.833	3.83	5.833	86.14	8.833	3.83	11.83	1.91
2.850	3.83	5.850	86.14	8.850	3.83	11.85	1.91
2.867	3.83	5.867	86.14	8.867	3.83	11.87	1.91
2.883	3.83	5.883	86.14	8.883	3.83	11.88	1.91
2.900	3.83	5.900	86.14	8.900	3.83	11.90	1.91
2.917	3.83	5.917	86.14	8.917	3.83	11.92	1.91
2.933	3.83	5.933	86.14	8.933	3.83	11.93	1.91
2.950	3.83	5.950	86.14	8.950	3.83	11.95	1.91
2.967	3.83	5.967	86.14	8.967	3.83	11.97	1.91
2.983	3.83	5.983	86.14	8.983	3.83	11.98	1.91
3.000	3.83	6.000	86.09	9.000	3.83	12.00	1.91

Max.Eff.Inten.(mm/hr)= 86.14 36.97
over (min) 5.00 16.00
Storage Coeff. (min)= 4.89 (ii) 15.40 (ii)
Unit Hyd. Tpeak (min)= 5.00 16.00
Unit Hyd. peak (cms)= 0.23 0.07

TOTALS
1.688 (iii)
6.03
49.62
95.47
0.52

PEAK FLOW (cms)= 1.19
TIME TO PEAK (hrs)= 6.00
RUNOFF VOLUME (mm)= 93.46
TOTAL RAINFALL (mm)= 95.47
RUNOFF COEFFICIENT = 0.98

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
 (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
 (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)					
1 + 2 = 3					
		AREA	QPEAK	TPEAK	R.V.
		(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0012):		1.18	0.095	6.02	41.52
+ ID2= 2 (0203):		17.16	1.688	6.03	49.62
=====					
ID = 3 (0082):		18.34	1.783	6.03	49.10

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)					
IN= 2---> OUT= 1					
DT= 5.0 min					
OVERFLOW IS OFF					
	OUTFLOW	STORAGE	OUTFLOW	STORAGE	
	(cms)	(ha.m.)	(cms)	(ha.m.)	
	0.0000	0.0000	0.0940	0.3600	
	0.0120	0.2100	0.1210	0.4000	
	0.0550	0.2600	0.1500	0.4500	
	0.0620	0.3000	0.3000	0.7210	

	AREA	QPEAK	TPEAK	R.V.	
	(ha)	(cms)	(hrs)	(mm)	
INFLOW : ID= 2 (0082)	18.340	1.783	6.03	49.10	
OUTFLOW: ID= 1 (0002)	18.340	0.232	7.43	39.77	

PEAK FLOW REDUCTION [Qout/Qin](%)= 13.03
 TIME SHIFT OF PEAK FLOW (min)= 84.00
 MAXIMUM STORAGE USED (ha.m.)= 0.5987

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)					
1 + 2 = 3					
	AREA	QPEAK	TPEAK	R.V.	
	(ha)	(cms)	(hrs)	(mm)	
ID1= 1 (0017):	31.32	1.543	6.45	31.48	
+ ID2= 2 (0002):	18.34	0.232	7.43	39.77	
=====					
ID = 3 (0089):	49.66	1.725	6.47	34.54	

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:4.1 SCS II 24hr 2yr **

CALIB					
NASHYD (0087)		Area (ha)= 15.86		Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min		Ia (mm)= 4.60		# of Linear Res.(N)= 3.00	
-----		U.H. Tp(hrs)= 0.40			

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.62	6.017	1.02	12.017	8.20	18.02	1.02
0.033	0.62	6.033	1.02	12.033	8.16	18.03	1.02
0.050	0.62	6.050	1.02	12.050	8.16	18.05	1.02
0.067	0.62	6.067	1.02	12.067	8.16	18.07	1.02
0.083	0.62	6.083	1.02	12.083	8.16	18.08	1.02
0.100	0.62	6.100	1.02	12.100	8.16	18.10	1.02
0.117	0.62	6.117	1.02	12.117	8.16	18.12	1.02
0.133	0.62	6.133	1.02	12.133	8.16	18.13	1.02
0.150	0.62	6.150	1.02	12.150	8.16	18.15	1.02
0.167	0.62	6.167	1.02	12.167	8.16	18.17	1.02
0.183	0.62	6.183	1.02	12.183	8.16	18.18	1.02
0.200	0.62	6.200	1.02	12.200	8.16	18.20	1.02
0.217	0.62	6.217	1.02	12.217	8.16	18.22	1.02
0.233	0.62	6.233	1.02	12.233	8.16	18.23	1.02
0.250	0.62	6.250	1.02	12.250	8.16	18.25	1.02

0.267	0.62	6.267	1.02	12.267	8.16	18.27	1.02
0.283	0.62	6.283	1.02	12.283	8.16	18.28	1.02
0.300	0.62	6.300	1.02	12.300	8.16	18.30	1.02
0.317	0.62	6.317	1.02	12.317	8.16	18.32	1.02
0.333	0.62	6.333	1.02	12.333	8.16	18.33	1.02
0.350	0.62	6.350	1.02	12.350	8.16	18.35	1.02
0.367	0.62	6.367	1.02	12.367	8.16	18.37	1.02
0.383	0.62	6.383	1.02	12.383	8.16	18.38	1.02
0.400	0.62	6.400	1.02	12.400	8.16	18.40	1.02
0.417	0.62	6.417	1.02	12.417	8.16	18.42	1.02
0.433	0.62	6.433	1.02	12.433	8.16	18.43	1.02
0.450	0.62	6.450	1.02	12.450	8.16	18.45	1.02
0.467	0.62	6.467	1.02	12.467	8.16	18.47	1.02
0.483	0.62	6.483	1.02	12.483	8.16	18.48	1.02
0.500	0.62	6.500	1.02	12.500	8.16	18.50	1.02
0.517	0.62	6.517	1.02	12.517	4.20	18.52	1.02
0.533	0.62	6.533	1.02	12.533	4.19	18.53	1.02
0.550	0.62	6.550	1.02	12.550	4.19	18.55	1.02
0.567	0.62	6.567	1.02	12.567	4.19	18.57	1.02
0.583	0.62	6.583	1.02	12.583	4.19	18.58	1.02
0.600	0.62	6.600	1.02	12.600	4.19	18.60	1.02
0.617	0.62	6.617	1.02	12.617	4.19	18.62	1.02
0.633	0.62	6.633	1.02	12.633	4.19	18.63	1.02
0.650	0.62	6.650	1.02	12.650	4.19	18.65	1.02
0.667	0.62	6.667	1.02	12.667	4.19	18.67	1.02
0.683	0.62	6.683	1.02	12.683	4.19	18.68	1.02
0.700	0.62	6.700	1.02	12.700	4.19	18.70	1.02
0.717	0.62	6.717	1.02	12.717	4.19	18.72	1.02
0.733	0.62	6.733	1.02	12.733	4.19	18.73	1.02
0.750	0.62	6.750	1.02	12.750	4.19	18.75	1.02
0.767	0.62	6.767	1.02	12.767	4.19	18.77	1.02
0.783	0.62	6.783	1.02	12.783	4.19	18.78	1.02
0.800	0.62	6.800	1.02	12.800	4.19	18.80	1.02
0.817	0.62	6.817	1.02	12.817	4.19	18.82	1.02
0.833	0.62	6.833	1.02	12.833	4.19	18.83	1.02
0.850	0.62	6.850	1.02	12.850	4.19	18.85	1.02
0.867	0.62	6.867	1.02	12.867	4.19	18.87	1.02
0.883	0.62	6.883	1.02	12.883	4.19	18.88	1.02
0.900	0.62	6.900	1.02	12.900	4.19	18.90	1.02
0.917	0.62	6.917	1.02	12.917	4.19	18.92	1.02
0.933	0.62	6.933	1.02	12.933	4.19	18.93	1.02
0.950	0.62	6.950	1.02	12.950	4.19	18.95	1.02
0.967	0.62	6.967	1.02	12.967	4.19	18.97	1.02
0.983	0.62	6.983	1.02	12.983	4.19	18.98	1.02
1.000	0.62	7.000	1.02	13.000	4.19	19.00	1.02
1.017	0.62	7.017	1.25	13.017	3.06	19.02	1.02
1.033	0.62	7.033	1.25	13.033	3.06	19.03	1.02
1.050	0.62	7.050	1.25	13.050	3.06	19.05	1.02
1.067	0.62	7.067	1.25	13.067	3.06	19.07	1.02
1.083	0.62	7.083	1.25	13.083	3.06	19.08	1.02
1.100	0.62	7.100	1.25	13.100	3.06	19.10	1.02
1.117	0.62	7.117	1.25	13.117	3.06	19.12	1.02
1.133	0.62	7.133	1.25	13.133	3.06	19.13	1.02
1.150	0.62	7.150	1.25	13.150	3.06	19.15	1.02
1.167	0.62	7.167	1.25	13.167	3.06	19.17	1.02
1.183	0.62	7.183	1.25	13.183	3.06	19.18	1.02
1.200	0.62	7.200	1.25	13.200	3.06	19.20	1.02
1.217	0.62	7.217	1.25	13.217	3.06	19.22	1.02
1.233	0.62	7.233	1.25	13.233	3.06	19.23	1.02
1.250	0.62	7.250	1.25	13.250	3.06	19.25	1.02
1.267	0.62	7.267	1.25	13.267	3.06	19.27	1.02
1.283	0.62	7.283	1.25	13.283	3.06	19.28	1.02
1.300	0.62	7.300	1.25	13.300	3.06	19.30	1.02
1.317	0.62	7.317	1.25	13.317	3.06	19.32	1.02
1.333	0.62	7.333	1.25	13.333	3.06	19.33	1.02
1.350	0.62	7.350	1.25	13.350	3.06	19.35	1.02
1.367	0.62	7.367	1.25	13.367	3.06	19.37	1.02
1.383	0.62	7.383	1.25	13.383	3.06	19.38	1.02
1.400	0.62	7.400	1.25	13.400	3.06	19.40	1.02
1.417	0.62	7.417	1.25	13.417	3.06	19.42	1.02
1.433	0.62	7.433	1.25	13.433	3.06	19.43	1.02
1.450	0.62	7.450	1.25	13.450	3.06	19.45	1.02
1.467	0.62	7.467	1.25	13.467	3.06	19.47	1.02
1.483	0.62	7.483	1.25	13.483	3.06	19.48	1.02
1.500	0.62	7.500	1.25	13.500	3.06	19.50	1.02
1.517	0.62	7.517	1.25	13.517	2.38	19.52	1.02
1.533	0.62	7.533	1.25	13.533	2.38	19.53	1.02
1.550	0.62	7.550	1.25	13.550	2.38	19.55	1.02
1.567	0.62	7.567	1.25	13.567	2.38	19.57	1.02
1.583	0.62	7.583	1.25	13.583	2.38	19.58	1.02
1.600	0.62	7.600	1.25	13.600	2.38	19.60	1.02
1.617	0.62	7.617	1.25	13.617	2.38	19.62	1.02
1.633	0.62	7.633	1.25	13.633	2.38	19.63	1.02
1.650	0.62	7.650	1.25	13.650	2.38	19.65	1.02

1.667	0.62	7.667	1.25	13.667	2.38	19.67	1.02
1.683	0.62	7.683	1.25	13.683	2.38	19.68	1.02
1.700	0.62	7.700	1.25	13.700	2.38	19.70	1.02
1.717	0.62	7.717	1.25	13.717	2.38	19.72	1.02
1.733	0.62	7.733	1.25	13.733	2.38	19.73	1.02
1.750	0.62	7.750	1.25	13.750	2.38	19.75	1.02
1.767	0.62	7.767	1.25	13.767	2.38	19.77	1.02
1.783	0.62	7.783	1.25	13.783	2.38	19.78	1.02
1.800	0.62	7.800	1.25	13.800	2.38	19.80	1.02
1.817	0.62	7.817	1.25	13.817	2.38	19.82	1.02
1.833	0.62	7.833	1.25	13.833	2.38	19.83	1.02
1.850	0.62	7.850	1.25	13.850	2.38	19.85	1.02
1.867	0.62	7.867	1.25	13.867	2.38	19.87	1.02
1.883	0.62	7.883	1.25	13.883	2.38	19.88	1.02
1.900	0.62	7.900	1.25	13.900	2.38	19.90	1.02
1.917	0.62	7.917	1.25	13.917	2.38	19.92	1.02
1.933	0.62	7.933	1.25	13.933	2.38	19.93	1.02
1.950	0.62	7.950	1.25	13.950	2.38	19.95	1.02
1.967	0.62	7.967	1.25	13.967	2.38	19.97	1.02
1.983	0.62	7.983	1.25	13.983	2.38	19.98	1.02
2.000	0.62	8.000	1.25	14.000	2.38	20.00	1.02
2.017	0.74	8.017	1.47	14.017	1.70	20.02	0.68
2.033	0.74	8.033	1.47	14.033	1.70	20.03	0.68
2.050	0.74	8.050	1.47	14.050	1.70	20.05	0.68
2.067	0.74	8.067	1.47	14.067	1.70	20.07	0.68
2.083	0.74	8.083	1.47	14.083	1.70	20.08	0.68
2.100	0.74	8.100	1.47	14.100	1.70	20.10	0.68
2.117	0.74	8.117	1.47	14.117	1.70	20.12	0.68
2.133	0.74	8.133	1.47	14.133	1.70	20.13	0.68
2.150	0.74	8.150	1.47	14.150	1.70	20.15	0.68
2.167	0.74	8.167	1.47	14.167	1.70	20.17	0.68
2.183	0.74	8.183	1.47	14.183	1.70	20.18	0.68
2.200	0.74	8.200	1.47	14.200	1.70	20.20	0.68
2.217	0.74	8.217	1.47	14.217	1.70	20.22	0.68
2.233	0.74	8.233	1.47	14.233	1.70	20.23	0.68
2.250	0.74	8.250	1.47	14.250	1.70	20.25	0.68
2.267	0.74	8.267	1.47	14.267	1.70	20.27	0.68
2.283	0.74	8.283	1.47	14.283	1.70	20.28	0.68
2.300	0.74	8.300	1.47	14.300	1.70	20.30	0.68
2.317	0.74	8.317	1.47	14.317	1.70	20.32	0.68
2.333	0.74	8.333	1.47	14.333	1.70	20.33	0.68
2.350	0.74	8.350	1.47	14.350	1.70	20.35	0.68
2.367	0.74	8.367	1.47	14.367	1.70	20.37	0.68
2.383	0.74	8.383	1.47	14.383	1.70	20.38	0.68
2.400	0.74	8.400	1.47	14.400	1.70	20.40	0.68
2.417	0.74	8.417	1.47	14.417	1.70	20.42	0.68
2.433	0.74	8.433	1.47	14.433	1.70	20.43	0.68
2.450	0.74	8.450	1.47	14.450	1.70	20.45	0.68
2.467	0.74	8.467	1.47	14.467	1.70	20.47	0.68
2.483	0.74	8.483	1.47	14.483	1.70	20.48	0.68
2.500	0.74	8.500	1.47	14.500	1.70	20.50	0.68
2.517	0.74	8.517	1.59	14.517	1.70	20.52	0.68
2.533	0.74	8.533	1.59	14.533	1.70	20.53	0.68
2.550	0.74	8.550	1.59	14.550	1.70	20.55	0.68
2.567	0.74	8.567	1.59	14.567	1.70	20.57	0.68
2.583	0.74	8.583	1.59	14.583	1.70	20.58	0.68
2.600	0.74	8.600	1.59	14.600	1.70	20.60	0.68
2.617	0.74	8.617	1.59	14.617	1.70	20.62	0.68
2.633	0.74	8.633	1.59	14.633	1.70	20.63	0.68
2.650	0.74	8.650	1.59	14.650	1.70	20.65	0.68
2.667	0.74	8.667	1.59	14.667	1.70	20.67	0.68
2.683	0.74	8.683	1.59	14.683	1.70	20.68	0.68
2.700	0.74	8.700	1.59	14.700	1.70	20.70	0.68
2.717	0.74	8.717	1.59	14.717	1.70	20.72	0.68
2.733	0.74	8.733	1.59	14.733	1.70	20.73	0.68
2.750	0.74	8.750	1.59	14.750	1.70	20.75	0.68
2.767	0.74	8.767	1.59	14.767	1.70	20.77	0.68
2.783	0.74	8.783	1.59	14.783	1.70	20.78	0.68
2.800	0.74	8.800	1.59	14.800	1.70	20.80	0.68
2.817	0.74	8.817	1.59	14.817	1.70	20.82	0.68
2.833	0.74	8.833	1.59	14.833	1.70	20.83	0.68
2.850	0.74	8.850	1.59	14.850	1.70	20.85	0.68
2.867	0.74	8.867	1.59	14.867	1.70	20.87	0.68
2.883	0.74	8.883	1.59	14.883	1.70	20.88	0.68
2.900	0.74	8.900	1.59	14.900	1.70	20.90	0.68
2.917	0.74	8.917	1.59	14.917	1.70	20.92	0.68
2.933	0.74	8.933	1.59	14.933	1.70	20.93	0.68
2.950	0.74	8.950	1.59	14.950	1.70	20.95	0.68
2.967	0.74	8.967	1.59	14.967	1.70	20.97	0.68
2.983	0.74	8.983	1.59	14.983	1.70	20.98	0.68
3.000	0.74	9.000	1.59	15.000	1.70	21.00	0.68
3.017	0.74	9.017	1.81	15.017	1.70	21.02	0.68
3.033	0.74	9.033	1.81	15.033	1.70	21.03	0.68
3.050	0.74	9.050	1.81	15.050	1.70	21.05	0.68

3.067	0.74	9.067	1.81	15.067	1.70	21.07	0.68
3.083	0.74	9.083	1.81	15.083	1.70	21.08	0.68
3.100	0.74	9.100	1.81	15.100	1.70	21.10	0.68
3.117	0.74	9.117	1.81	15.117	1.70	21.12	0.68
3.133	0.74	9.133	1.81	15.133	1.70	21.13	0.68
3.150	0.74	9.150	1.81	15.150	1.70	21.15	0.68
3.167	0.74	9.167	1.81	15.167	1.70	21.17	0.68
3.183	0.74	9.183	1.81	15.183	1.70	21.18	0.68
3.200	0.74	9.200	1.81	15.200	1.70	21.20	0.68
3.217	0.74	9.217	1.81	15.217	1.70	21.22	0.68
3.233	0.74	9.233	1.81	15.233	1.70	21.23	0.68
3.250	0.74	9.250	1.81	15.250	1.70	21.25	0.68
3.267	0.74	9.267	1.81	15.267	1.70	21.27	0.68
3.283	0.74	9.283	1.81	15.283	1.70	21.28	0.68
3.300	0.74	9.300	1.81	15.300	1.70	21.30	0.68
3.317	0.74	9.317	1.81	15.317	1.70	21.32	0.68
3.333	0.74	9.333	1.81	15.333	1.70	21.33	0.68
3.350	0.74	9.350	1.81	15.350	1.70	21.35	0.68
3.367	0.74	9.367	1.81	15.367	1.70	21.37	0.68
3.383	0.74	9.383	1.81	15.383	1.70	21.38	0.68
3.400	0.74	9.400	1.81	15.400	1.70	21.40	0.68
3.417	0.74	9.417	1.81	15.417	1.70	21.42	0.68
3.433	0.74	9.433	1.81	15.433	1.70	21.43	0.68
3.450	0.74	9.450	1.81	15.450	1.70	21.45	0.68
3.467	0.74	9.467	1.81	15.467	1.70	21.47	0.68
3.483	0.74	9.483	1.81	15.483	1.70	21.48	0.68
3.500	0.74	9.500	1.81	15.500	1.70	21.50	0.68
3.517	0.74	9.517	2.04	15.517	1.70	21.52	0.68
3.533	0.74	9.533	2.04	15.533	1.70	21.53	0.68
3.550	0.74	9.550	2.04	15.550	1.70	21.55	0.68
3.567	0.74	9.567	2.04	15.567	1.70	21.57	0.68
3.583	0.74	9.583	2.04	15.583	1.70	21.58	0.68
3.600	0.74	9.600	2.04	15.600	1.70	21.60	0.68
3.617	0.74	9.617	2.04	15.617	1.70	21.62	0.68
3.633	0.74	9.633	2.04	15.633	1.70	21.63	0.68
3.650	0.74	9.650	2.04	15.650	1.70	21.65	0.68
3.667	0.74	9.667	2.04	15.667	1.70	21.67	0.68
3.683	0.74	9.683	2.04	15.683	1.70	21.68	0.68
3.700	0.74	9.700	2.04	15.700	1.70	21.70	0.68
3.717	0.74	9.717	2.04	15.717	1.70	21.72	0.68
3.733	0.74	9.733	2.04	15.733	1.70	21.73	0.68
3.750	0.74	9.750	2.04	15.750	1.70	21.75	0.68
3.767	0.74	9.767	2.04	15.767	1.70	21.77	0.68
3.783	0.74	9.783	2.04	15.783	1.70	21.78	0.68
3.800	0.74	9.800	2.04	15.800	1.70	21.80	0.68
3.817	0.74	9.817	2.04	15.817	1.70	21.82	0.68
3.833	0.74	9.833	2.04	15.833	1.70	21.83	0.68
3.850	0.74	9.850	2.04	15.850	1.70	21.85	0.68
3.867	0.74	9.867	2.04	15.867	1.70	21.87	0.68
3.883	0.74	9.883	2.04	15.883	1.70	21.88	0.68
3.900	0.74	9.900	2.04	15.900	1.70	21.90	0.68
3.917	0.74	9.917	2.04	15.917	1.70	21.92	0.68
3.933	0.74	9.933	2.04	15.933	1.70	21.93	0.68
3.950	0.74	9.950	2.04	15.950	1.70	21.95	0.68
3.967	0.74	9.967	2.04	15.967	1.70	21.97	0.68
3.983	0.74	9.983	2.04	15.983	1.70	21.98	0.68
4.000	0.74	10.000	2.04	16.000	1.70	22.00	0.68
4.017	0.91	10.017	2.61	16.017	1.02	22.02	0.68
4.033	0.91	10.033	2.61	16.033	1.02	22.03	0.68
4.050	0.91	10.050	2.61	16.050	1.02	22.05	0.68
4.067	0.91	10.067	2.61	16.067	1.02	22.07	0.68
4.083	0.91	10.083	2.61	16.083	1.02	22.08	0.68
4.100	0.91	10.100	2.61	16.100	1.02	22.10	0.68
4.117	0.91	10.117	2.61	16.117	1.02	22.12	0.68
4.133	0.91	10.133	2.61	16.133	1.02	22.13	0.68
4.150	0.91	10.150	2.61	16.150	1.02	22.15	0.68
4.167	0.91	10.167	2.61	16.167	1.02	22.17	0.68
4.183	0.91	10.183	2.61	16.183	1.02	22.18	0.68
4.200	0.91	10.200	2.61	16.200	1.02	22.20	0.68
4.217	0.91	10.217	2.61	16.217	1.02	22.22	0.68
4.233	0.91	10.233	2.61	16.233	1.02	22.23	0.68
4.250	0.91	10.250	2.61	16.250	1.02	22.25	0.68
4.267	0.91	10.267	2.61	16.267	1.02	22.27	0.68
4.283	0.91	10.283	2.61	16.283	1.02	22.28	0.68
4.300	0.91	10.300	2.61	16.300	1.02	22.30	0.68
4.317	0.91	10.317	2.61	16.317	1.02	22.32	0.68
4.333	0.91	10.333	2.61	16.333	1.02	22.33	0.68
4.350	0.91	10.350	2.61	16.350	1.02	22.35	0.68
4.367	0.91	10.367	2.61	16.367	1.02	22.37	0.68
4.383	0.91	10.383	2.61	16.383	1.02	22.38	0.68
4.400	0.91	10.400	2.61	16.400	1.02	22.40	0.68
4.417	0.91	10.417	2.61	16.417	1.02	22.42	0.68
4.433	0.91	10.433	2.61	16.433	1.02	22.43	0.68
4.450	0.91	10.450	2.61	16.450	1.02	22.45	0.68

4.467	0.91	10.467	2.61	16.467	1.02	22.47	0.68
4.483	0.91	10.483	2.61	16.483	1.02	22.48	0.68
4.500	0.91	10.500	2.61	16.500	1.02	22.50	0.68
4.517	0.91	10.517	3.51	16.517	1.02	22.52	0.68
4.533	0.91	10.533	3.51	16.533	1.02	22.53	0.68
4.550	0.91	10.550	3.51	16.550	1.02	22.55	0.68
4.567	0.91	10.567	3.51	16.567	1.02	22.57	0.68
4.583	0.91	10.583	3.51	16.583	1.02	22.58	0.68
4.600	0.91	10.600	3.51	16.600	1.02	22.60	0.68
4.617	0.91	10.617	3.51	16.617	1.02	22.62	0.68
4.633	0.91	10.633	3.51	16.633	1.02	22.63	0.68
4.650	0.91	10.650	3.51	16.650	1.02	22.65	0.68
4.667	0.91	10.667	3.51	16.667	1.02	22.67	0.68
4.683	0.91	10.683	3.51	16.683	1.02	22.68	0.68
4.700	0.91	10.700	3.51	16.700	1.02	22.70	0.68
4.717	0.91	10.717	3.51	16.717	1.02	22.72	0.68
4.733	0.91	10.733	3.51	16.733	1.02	22.73	0.68
4.750	0.91	10.750	3.51	16.750	1.02	22.75	0.68
4.767	0.91	10.767	3.51	16.767	1.02	22.77	0.68
4.783	0.91	10.783	3.51	16.783	1.02	22.78	0.68
4.800	0.91	10.800	3.51	16.800	1.02	22.80	0.68
4.817	0.91	10.817	3.51	16.817	1.02	22.82	0.68
4.833	0.91	10.833	3.51	16.833	1.02	22.83	0.68
4.850	0.91	10.850	3.51	16.850	1.02	22.85	0.68
4.867	0.91	10.867	3.51	16.867	1.02	22.87	0.68
4.883	0.91	10.883	3.51	16.883	1.02	22.88	0.68
4.900	0.91	10.900	3.51	16.900	1.02	22.90	0.68
4.917	0.91	10.917	3.51	16.917	1.02	22.92	0.68
4.933	0.91	10.933	3.51	16.933	1.02	22.93	0.68
4.950	0.91	10.950	3.51	16.950	1.02	22.95	0.68
4.967	0.91	10.967	3.51	16.967	1.02	22.97	0.68
4.983	0.91	10.983	3.51	16.983	1.02	22.98	0.68
5.000	0.91	11.000	3.51	17.000	1.02	23.00	0.68
5.017	0.91	11.017	5.44	17.017	1.02	23.02	0.68
5.033	0.91	11.033	5.44	17.033	1.02	23.03	0.68
5.050	0.91	11.050	5.44	17.050	1.02	23.05	0.68
5.067	0.91	11.067	5.44	17.067	1.02	23.07	0.68
5.083	0.91	11.083	5.44	17.083	1.02	23.08	0.68
5.100	0.91	11.100	5.44	17.100	1.02	23.10	0.68
5.117	0.91	11.117	5.44	17.117	1.02	23.12	0.68
5.133	0.91	11.133	5.44	17.133	1.02	23.13	0.68
5.150	0.91	11.150	5.44	17.150	1.02	23.15	0.68
5.167	0.91	11.167	5.44	17.167	1.02	23.17	0.68
5.183	0.91	11.183	5.44	17.183	1.02	23.18	0.68
5.200	0.91	11.200	5.44	17.200	1.02	23.20	0.68
5.217	0.91	11.217	5.44	17.217	1.02	23.22	0.68
5.233	0.91	11.233	5.44	17.233	1.02	23.23	0.68
5.250	0.91	11.250	5.44	17.250	1.02	23.25	0.68
5.267	0.91	11.267	5.44	17.267	1.02	23.27	0.68
5.283	0.91	11.283	5.44	17.283	1.02	23.28	0.68
5.300	0.91	11.300	5.44	17.300	1.02	23.30	0.68
5.317	0.91	11.317	5.44	17.317	1.02	23.32	0.68
5.333	0.91	11.333	5.44	17.333	1.02	23.33	0.68
5.350	0.91	11.350	5.44	17.350	1.02	23.35	0.68
5.367	0.91	11.367	5.44	17.367	1.02	23.37	0.68
5.383	0.91	11.383	5.44	17.383	1.02	23.38	0.68
5.400	0.91	11.400	5.44	17.400	1.02	23.40	0.68
5.417	0.91	11.417	5.44	17.417	1.02	23.42	0.68
5.433	0.91	11.433	5.44	17.433	1.02	23.43	0.68
5.450	0.91	11.450	5.44	17.450	1.02	23.45	0.68
5.467	0.91	11.467	5.44	17.467	1.02	23.47	0.68
5.483	0.91	11.483	5.44	17.483	1.02	23.48	0.68
5.500	0.91	11.500	5.44	17.500	1.02	23.50	0.68
5.517	0.91	11.517	16.77	17.517	1.02	23.52	0.68
5.533	0.91	11.533	16.77	17.533	1.02	23.53	0.68
5.550	0.91	11.550	16.77	17.550	1.02	23.55	0.68
5.567	0.91	11.567	16.77	17.567	1.02	23.57	0.68
5.583	0.91	11.583	16.77	17.583	1.02	23.58	0.68
5.600	0.91	11.600	16.77	17.600	1.02	23.60	0.68
5.617	0.91	11.617	16.77	17.617	1.02	23.62	0.68
5.633	0.91	11.633	16.77	17.633	1.02	23.63	0.68
5.650	0.91	11.650	16.77	17.650	1.02	23.65	0.68
5.667	0.91	11.667	16.77	17.667	1.02	23.67	0.68
5.683	0.91	11.683	16.77	17.683	1.02	23.68	0.68
5.700	0.91	11.700	16.77	17.700	1.02	23.70	0.68
5.717	0.91	11.717	16.77	17.717	1.02	23.72	0.68
5.733	0.91	11.733	16.77	17.733	1.02	23.73	0.68
5.750	0.91	11.750	16.77	17.750	1.02	23.75	0.68
5.767	0.91	11.767	69.35	17.767	1.02	23.77	0.68
5.783	0.91	11.783	69.35	17.783	1.02	23.78	0.68
5.800	0.91	11.800	69.35	17.800	1.02	23.80	0.68
5.817	0.91	11.817	69.35	17.817	1.02	23.82	0.68
5.833	0.91	11.833	69.35	17.833	1.02	23.83	0.68
5.850	0.91	11.850	69.35	17.850	1.02	23.85	0.68

5.867	0.91	11.867	69.35	17.867	1.02	23.87	0.68
5.883	0.91	11.883	69.35	17.883	1.02	23.88	0.68
5.900	0.91	11.900	69.35	17.900	1.02	23.90	0.68
5.917	0.91	11.917	69.35	17.917	1.02	23.92	0.68
5.933	0.91	11.933	69.35	17.933	1.02	23.93	0.68
5.950	0.91	11.950	69.35	17.950	1.02	23.95	0.68
5.967	0.91	11.967	69.35	17.967	1.02	23.97	0.68
5.983	0.91	11.983	69.35	17.983	1.02	23.98	0.68
6.000	0.91	12.000	69.35	18.000	1.02	24.00	0.68

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.308 (i)
 TIME TO PEAK (hrs)= 12.317
 RUNOFF VOLUME (mm)= 10.185
 TOTAL RAINFALL (mm)= 56.661
 RUNOFF COEFFICIENT = 0.180

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.62	6.017	1.02	12.017	8.20	18.02	1.02
0.033	0.62	6.033	1.02	12.033	8.16	18.03	1.02
0.050	0.62	6.050	1.02	12.050	8.16	18.05	1.02
0.067	0.62	6.067	1.02	12.067	8.16	18.07	1.02
0.083	0.62	6.083	1.02	12.083	8.16	18.08	1.02
0.100	0.62	6.100	1.02	12.100	8.16	18.10	1.02
0.117	0.62	6.117	1.02	12.117	8.16	18.12	1.02
0.133	0.62	6.133	1.02	12.133	8.16	18.13	1.02
0.150	0.62	6.150	1.02	12.150	8.16	18.15	1.02
0.167	0.62	6.167	1.02	12.167	8.16	18.17	1.02
0.183	0.62	6.183	1.02	12.183	8.16	18.18	1.02
0.200	0.62	6.200	1.02	12.200	8.16	18.20	1.02
0.217	0.62	6.217	1.02	12.217	8.16	18.22	1.02
0.233	0.62	6.233	1.02	12.233	8.16	18.23	1.02
0.250	0.62	6.250	1.02	12.250	8.16	18.25	1.02
0.267	0.62	6.267	1.02	12.267	8.16	18.27	1.02
0.283	0.62	6.283	1.02	12.283	8.16	18.28	1.02
0.300	0.62	6.300	1.02	12.300	8.16	18.30	1.02
0.317	0.62	6.317	1.02	12.317	8.16	18.32	1.02
0.333	0.62	6.333	1.02	12.333	8.16	18.33	1.02
0.350	0.62	6.350	1.02	12.350	8.16	18.35	1.02
0.367	0.62	6.367	1.02	12.367	8.16	18.37	1.02
0.383	0.62	6.383	1.02	12.383	8.16	18.38	1.02
0.400	0.62	6.400	1.02	12.400	8.16	18.40	1.02
0.417	0.62	6.417	1.02	12.417	8.16	18.42	1.02
0.433	0.62	6.433	1.02	12.433	8.16	18.43	1.02
0.450	0.62	6.450	1.02	12.450	8.16	18.45	1.02
0.467	0.62	6.467	1.02	12.467	8.16	18.47	1.02
0.483	0.62	6.483	1.02	12.483	8.16	18.48	1.02
0.500	0.62	6.500	1.02	12.500	8.16	18.50	1.02
0.517	0.62	6.517	1.02	12.517	4.20	18.52	1.02
0.533	0.62	6.533	1.02	12.533	4.19	18.53	1.02
0.550	0.62	6.550	1.02	12.550	4.19	18.55	1.02
0.567	0.62	6.567	1.02	12.567	4.19	18.57	1.02
0.583	0.62	6.583	1.02	12.583	4.19	18.58	1.02
0.600	0.62	6.600	1.02	12.600	4.19	18.60	1.02
0.617	0.62	6.617	1.02	12.617	4.19	18.62	1.02
0.633	0.62	6.633	1.02	12.633	4.19	18.63	1.02
0.650	0.62	6.650	1.02	12.650	4.19	18.65	1.02
0.667	0.62	6.667	1.02	12.667	4.19	18.67	1.02
0.683	0.62	6.683	1.02	12.683	4.19	18.68	1.02
0.700	0.62	6.700	1.02	12.700	4.19	18.70	1.02
0.717	0.62	6.717	1.02	12.717	4.19	18.72	1.02
0.733	0.62	6.733	1.02	12.733	4.19	18.73	1.02
0.750	0.62	6.750	1.02	12.750	4.19	18.75	1.02
0.767	0.62	6.767	1.02	12.767	4.19	18.77	1.02
0.783	0.62	6.783	1.02	12.783	4.19	18.78	1.02
0.800	0.62	6.800	1.02	12.800	4.19	18.80	1.02
0.817	0.62	6.817	1.02	12.817	4.19	18.82	1.02
0.833	0.62	6.833	1.02	12.833	4.19	18.83	1.02
0.850	0.62	6.850	1.02	12.850	4.19	18.85	1.02

0.867	0.62	6.867	1.02	12.867	4.19	18.87	1.02
0.883	0.62	6.883	1.02	12.883	4.19	18.88	1.02
0.900	0.62	6.900	1.02	12.900	4.19	18.90	1.02
0.917	0.62	6.917	1.02	12.917	4.19	18.92	1.02
0.933	0.62	6.933	1.02	12.933	4.19	18.93	1.02
0.950	0.62	6.950	1.02	12.950	4.19	18.95	1.02
0.967	0.62	6.967	1.02	12.967	4.19	18.97	1.02
0.983	0.62	6.983	1.02	12.983	4.19	18.98	1.02
1.000	0.62	7.000	1.02	13.000	4.19	19.00	1.02
1.017	0.62	7.017	1.25	13.017	3.06	19.02	1.02
1.033	0.62	7.033	1.25	13.033	3.06	19.03	1.02
1.050	0.62	7.050	1.25	13.050	3.06	19.05	1.02
1.067	0.62	7.067	1.25	13.067	3.06	19.07	1.02
1.083	0.62	7.083	1.25	13.083	3.06	19.08	1.02
1.100	0.62	7.100	1.25	13.100	3.06	19.10	1.02
1.117	0.62	7.117	1.25	13.117	3.06	19.12	1.02
1.133	0.62	7.133	1.25	13.133	3.06	19.13	1.02
1.150	0.62	7.150	1.25	13.150	3.06	19.15	1.02
1.167	0.62	7.167	1.25	13.167	3.06	19.17	1.02
1.183	0.62	7.183	1.25	13.183	3.06	19.18	1.02
1.200	0.62	7.200	1.25	13.200	3.06	19.20	1.02
1.217	0.62	7.217	1.25	13.217	3.06	19.22	1.02
1.233	0.62	7.233	1.25	13.233	3.06	19.23	1.02
1.250	0.62	7.250	1.25	13.250	3.06	19.25	1.02
1.267	0.62	7.267	1.25	13.267	3.06	19.27	1.02
1.283	0.62	7.283	1.25	13.283	3.06	19.28	1.02
1.300	0.62	7.300	1.25	13.300	3.06	19.30	1.02
1.317	0.62	7.317	1.25	13.317	3.06	19.32	1.02
1.333	0.62	7.333	1.25	13.333	3.06	19.33	1.02
1.350	0.62	7.350	1.25	13.350	3.06	19.35	1.02
1.367	0.62	7.367	1.25	13.367	3.06	19.37	1.02
1.383	0.62	7.383	1.25	13.383	3.06	19.38	1.02
1.400	0.62	7.400	1.25	13.400	3.06	19.40	1.02
1.417	0.62	7.417	1.25	13.417	3.06	19.42	1.02
1.433	0.62	7.433	1.25	13.433	3.06	19.43	1.02
1.450	0.62	7.450	1.25	13.450	3.06	19.45	1.02
1.467	0.62	7.467	1.25	13.467	3.06	19.47	1.02
1.483	0.62	7.483	1.25	13.483	3.06	19.48	1.02
1.500	0.62	7.500	1.25	13.500	3.06	19.50	1.02
1.517	0.62	7.517	1.25	13.517	2.38	19.52	1.02
1.533	0.62	7.533	1.25	13.533	2.38	19.53	1.02
1.550	0.62	7.550	1.25	13.550	2.38	19.55	1.02
1.567	0.62	7.567	1.25	13.567	2.38	19.57	1.02
1.583	0.62	7.583	1.25	13.583	2.38	19.58	1.02
1.600	0.62	7.600	1.25	13.600	2.38	19.60	1.02
1.617	0.62	7.617	1.25	13.617	2.38	19.62	1.02
1.633	0.62	7.633	1.25	13.633	2.38	19.63	1.02
1.650	0.62	7.650	1.25	13.650	2.38	19.65	1.02
1.667	0.62	7.667	1.25	13.667	2.38	19.67	1.02
1.683	0.62	7.683	1.25	13.683	2.38	19.68	1.02
1.700	0.62	7.700	1.25	13.700	2.38	19.70	1.02
1.717	0.62	7.717	1.25	13.717	2.38	19.72	1.02
1.733	0.62	7.733	1.25	13.733	2.38	19.73	1.02
1.750	0.62	7.750	1.25	13.750	2.38	19.75	1.02
1.767	0.62	7.767	1.25	13.767	2.38	19.77	1.02
1.783	0.62	7.783	1.25	13.783	2.38	19.78	1.02
1.800	0.62	7.800	1.25	13.800	2.38	19.80	1.02
1.817	0.62	7.817	1.25	13.817	2.38	19.82	1.02
1.833	0.62	7.833	1.25	13.833	2.38	19.83	1.02
1.850	0.62	7.850	1.25	13.850	2.38	19.85	1.02
1.867	0.62	7.867	1.25	13.867	2.38	19.87	1.02
1.883	0.62	7.883	1.25	13.883	2.38	19.88	1.02
1.900	0.62	7.900	1.25	13.900	2.38	19.90	1.02
1.917	0.62	7.917	1.25	13.917	2.38	19.92	1.02
1.933	0.62	7.933	1.25	13.933	2.38	19.93	1.02
1.950	0.62	7.950	1.25	13.950	2.38	19.95	1.02
1.967	0.62	7.967	1.25	13.967	2.38	19.97	1.02
1.983	0.62	7.983	1.25	13.983	2.38	19.98	1.02
2.000	0.62	8.000	1.25	14.000	2.38	20.00	1.02
2.017	0.74	8.017	1.47	14.017	1.70	20.02	0.68
2.033	0.74	8.033	1.47	14.033	1.70	20.03	0.68
2.050	0.74	8.050	1.47	14.050	1.70	20.05	0.68
2.067	0.74	8.067	1.47	14.067	1.70	20.07	0.68
2.083	0.74	8.083	1.47	14.083	1.70	20.08	0.68
2.100	0.74	8.100	1.47	14.100	1.70	20.10	0.68
2.117	0.74	8.117	1.47	14.117	1.70	20.12	0.68
2.133	0.74	8.133	1.47	14.133	1.70	20.13	0.68
2.150	0.74	8.150	1.47	14.150	1.70	20.15	0.68
2.167	0.74	8.167	1.47	14.167	1.70	20.17	0.68
2.183	0.74	8.183	1.47	14.183	1.70	20.18	0.68
2.200	0.74	8.200	1.47	14.200	1.70	20.20	0.68
2.217	0.74	8.217	1.47	14.217	1.70	20.22	0.68
2.233	0.74	8.233	1.47	14.233	1.70	20.23	0.68
2.250	0.74	8.250	1.47	14.250	1.70	20.25	0.68

2.267	0.74	8.267	1.47	14.267	1.70	20.27	0.68
2.283	0.74	8.283	1.47	14.283	1.70	20.28	0.68
2.300	0.74	8.300	1.47	14.300	1.70	20.30	0.68
2.317	0.74	8.317	1.47	14.317	1.70	20.32	0.68
2.333	0.74	8.333	1.47	14.333	1.70	20.33	0.68
2.350	0.74	8.350	1.47	14.350	1.70	20.35	0.68
2.367	0.74	8.367	1.47	14.367	1.70	20.37	0.68
2.383	0.74	8.383	1.47	14.383	1.70	20.38	0.68
2.400	0.74	8.400	1.47	14.400	1.70	20.40	0.68
2.417	0.74	8.417	1.47	14.417	1.70	20.42	0.68
2.433	0.74	8.433	1.47	14.433	1.70	20.43	0.68
2.450	0.74	8.450	1.47	14.450	1.70	20.45	0.68
2.467	0.74	8.467	1.47	14.467	1.70	20.47	0.68
2.483	0.74	8.483	1.47	14.483	1.70	20.48	0.68
2.500	0.74	8.500	1.47	14.500	1.70	20.50	0.68
2.517	0.74	8.517	1.59	14.517	1.70	20.52	0.68
2.533	0.74	8.533	1.59	14.533	1.70	20.53	0.68
2.550	0.74	8.550	1.59	14.550	1.70	20.55	0.68
2.567	0.74	8.567	1.59	14.567	1.70	20.57	0.68
2.583	0.74	8.583	1.59	14.583	1.70	20.58	0.68
2.600	0.74	8.600	1.59	14.600	1.70	20.60	0.68
2.617	0.74	8.617	1.59	14.617	1.70	20.62	0.68
2.633	0.74	8.633	1.59	14.633	1.70	20.63	0.68
2.650	0.74	8.650	1.59	14.650	1.70	20.65	0.68
2.667	0.74	8.667	1.59	14.667	1.70	20.67	0.68
2.683	0.74	8.683	1.59	14.683	1.70	20.68	0.68
2.700	0.74	8.700	1.59	14.700	1.70	20.70	0.68
2.717	0.74	8.717	1.59	14.717	1.70	20.72	0.68
2.733	0.74	8.733	1.59	14.733	1.70	20.73	0.68
2.750	0.74	8.750	1.59	14.750	1.70	20.75	0.68
2.767	0.74	8.767	1.59	14.767	1.70	20.77	0.68
2.783	0.74	8.783	1.59	14.783	1.70	20.78	0.68
2.800	0.74	8.800	1.59	14.800	1.70	20.80	0.68
2.817	0.74	8.817	1.59	14.817	1.70	20.82	0.68
2.833	0.74	8.833	1.59	14.833	1.70	20.83	0.68
2.850	0.74	8.850	1.59	14.850	1.70	20.85	0.68
2.867	0.74	8.867	1.59	14.867	1.70	20.87	0.68
2.883	0.74	8.883	1.59	14.883	1.70	20.88	0.68
2.900	0.74	8.900	1.59	14.900	1.70	20.90	0.68
2.917	0.74	8.917	1.59	14.917	1.70	20.92	0.68
2.933	0.74	8.933	1.59	14.933	1.70	20.93	0.68
2.950	0.74	8.950	1.59	14.950	1.70	20.95	0.68
2.967	0.74	8.967	1.59	14.967	1.70	20.97	0.68
2.983	0.74	8.983	1.59	14.983	1.70	20.98	0.68
3.000	0.74	9.000	1.59	15.000	1.70	21.00	0.68
3.017	0.74	9.017	1.81	15.017	1.70	21.02	0.68
3.033	0.74	9.033	1.81	15.033	1.70	21.03	0.68
3.050	0.74	9.050	1.81	15.050	1.70	21.05	0.68
3.067	0.74	9.067	1.81	15.067	1.70	21.07	0.68
3.083	0.74	9.083	1.81	15.083	1.70	21.08	0.68
3.100	0.74	9.100	1.81	15.100	1.70	21.10	0.68
3.117	0.74	9.117	1.81	15.117	1.70	21.12	0.68
3.133	0.74	9.133	1.81	15.133	1.70	21.13	0.68
3.150	0.74	9.150	1.81	15.150	1.70	21.15	0.68
3.167	0.74	9.167	1.81	15.167	1.70	21.17	0.68
3.183	0.74	9.183	1.81	15.183	1.70	21.18	0.68
3.200	0.74	9.200	1.81	15.200	1.70	21.20	0.68
3.217	0.74	9.217	1.81	15.217	1.70	21.22	0.68
3.233	0.74	9.233	1.81	15.233	1.70	21.23	0.68
3.250	0.74	9.250	1.81	15.250	1.70	21.25	0.68
3.267	0.74	9.267	1.81	15.267	1.70	21.27	0.68
3.283	0.74	9.283	1.81	15.283	1.70	21.28	0.68
3.300	0.74	9.300	1.81	15.300	1.70	21.30	0.68
3.317	0.74	9.317	1.81	15.317	1.70	21.32	0.68
3.333	0.74	9.333	1.81	15.333	1.70	21.33	0.68
3.350	0.74	9.350	1.81	15.350	1.70	21.35	0.68
3.367	0.74	9.367	1.81	15.367	1.70	21.37	0.68
3.383	0.74	9.383	1.81	15.383	1.70	21.38	0.68
3.400	0.74	9.400	1.81	15.400	1.70	21.40	0.68
3.417	0.74	9.417	1.81	15.417	1.70	21.42	0.68
3.433	0.74	9.433	1.81	15.433	1.70	21.43	0.68
3.450	0.74	9.450	1.81	15.450	1.70	21.45	0.68
3.467	0.74	9.467	1.81	15.467	1.70	21.47	0.68
3.483	0.74	9.483	1.81	15.483	1.70	21.48	0.68
3.500	0.74	9.500	1.81	15.500	1.70	21.50	0.68
3.517	0.74	9.517	2.04	15.517	1.70	21.52	0.68
3.533	0.74	9.533	2.04	15.533	1.70	21.53	0.68
3.550	0.74	9.550	2.04	15.550	1.70	21.55	0.68
3.567	0.74	9.567	2.04	15.567	1.70	21.57	0.68
3.583	0.74	9.583	2.04	15.583	1.70	21.58	0.68
3.600	0.74	9.600	2.04	15.600	1.70	21.60	0.68
3.617	0.74	9.617	2.04	15.617	1.70	21.62	0.68
3.633	0.74	9.633	2.04	15.633	1.70	21.63	0.68
3.650	0.74	9.650	2.04	15.650	1.70	21.65	0.68

3.667	0.74	9.667	2.04	15.667	1.70	21.67	0.68
3.683	0.74	9.683	2.04	15.683	1.70	21.68	0.68
3.700	0.74	9.700	2.04	15.700	1.70	21.70	0.68
3.717	0.74	9.717	2.04	15.717	1.70	21.72	0.68
3.733	0.74	9.733	2.04	15.733	1.70	21.73	0.68
3.750	0.74	9.750	2.04	15.750	1.70	21.75	0.68
3.767	0.74	9.767	2.04	15.767	1.70	21.77	0.68
3.783	0.74	9.783	2.04	15.783	1.70	21.78	0.68
3.800	0.74	9.800	2.04	15.800	1.70	21.80	0.68
3.817	0.74	9.817	2.04	15.817	1.70	21.82	0.68
3.833	0.74	9.833	2.04	15.833	1.70	21.83	0.68
3.850	0.74	9.850	2.04	15.850	1.70	21.85	0.68
3.867	0.74	9.867	2.04	15.867	1.70	21.87	0.68
3.883	0.74	9.883	2.04	15.883	1.70	21.88	0.68
3.900	0.74	9.900	2.04	15.900	1.70	21.90	0.68
3.917	0.74	9.917	2.04	15.917	1.70	21.92	0.68
3.933	0.74	9.933	2.04	15.933	1.70	21.93	0.68
3.950	0.74	9.950	2.04	15.950	1.70	21.95	0.68
3.967	0.74	9.967	2.04	15.967	1.70	21.97	0.68
3.983	0.74	9.983	2.04	15.983	1.70	21.98	0.68
4.000	0.74	10.000	2.04	16.000	1.70	22.00	0.68
4.017	0.91	10.017	2.61	16.017	1.02	22.02	0.68
4.033	0.91	10.033	2.61	16.033	1.02	22.03	0.68
4.050	0.91	10.050	2.61	16.050	1.02	22.05	0.68
4.067	0.91	10.067	2.61	16.067	1.02	22.07	0.68
4.083	0.91	10.083	2.61	16.083	1.02	22.08	0.68
4.100	0.91	10.100	2.61	16.100	1.02	22.10	0.68
4.117	0.91	10.117	2.61	16.117	1.02	22.12	0.68
4.133	0.91	10.133	2.61	16.133	1.02	22.13	0.68
4.150	0.91	10.150	2.61	16.150	1.02	22.15	0.68
4.167	0.91	10.167	2.61	16.167	1.02	22.17	0.68
4.183	0.91	10.183	2.61	16.183	1.02	22.18	0.68
4.200	0.91	10.200	2.61	16.200	1.02	22.20	0.68
4.217	0.91	10.217	2.61	16.217	1.02	22.22	0.68
4.233	0.91	10.233	2.61	16.233	1.02	22.23	0.68
4.250	0.91	10.250	2.61	16.250	1.02	22.25	0.68
4.267	0.91	10.267	2.61	16.267	1.02	22.27	0.68
4.283	0.91	10.283	2.61	16.283	1.02	22.28	0.68
4.300	0.91	10.300	2.61	16.300	1.02	22.30	0.68
4.317	0.91	10.317	2.61	16.317	1.02	22.32	0.68
4.333	0.91	10.333	2.61	16.333	1.02	22.33	0.68
4.350	0.91	10.350	2.61	16.350	1.02	22.35	0.68
4.367	0.91	10.367	2.61	16.367	1.02	22.37	0.68
4.383	0.91	10.383	2.61	16.383	1.02	22.38	0.68
4.400	0.91	10.400	2.61	16.400	1.02	22.40	0.68
4.417	0.91	10.417	2.61	16.417	1.02	22.42	0.68
4.433	0.91	10.433	2.61	16.433	1.02	22.43	0.68
4.450	0.91	10.450	2.61	16.450	1.02	22.45	0.68
4.467	0.91	10.467	2.61	16.467	1.02	22.47	0.68
4.483	0.91	10.483	2.61	16.483	1.02	22.48	0.68
4.500	0.91	10.500	2.61	16.500	1.02	22.50	0.68
4.517	0.91	10.517	3.51	16.517	1.02	22.52	0.68
4.533	0.91	10.533	3.51	16.533	1.02	22.53	0.68
4.550	0.91	10.550	3.51	16.550	1.02	22.55	0.68
4.567	0.91	10.567	3.51	16.567	1.02	22.57	0.68
4.583	0.91	10.583	3.51	16.583	1.02	22.58	0.68
4.600	0.91	10.600	3.51	16.600	1.02	22.60	0.68
4.617	0.91	10.617	3.51	16.617	1.02	22.62	0.68
4.633	0.91	10.633	3.51	16.633	1.02	22.63	0.68
4.650	0.91	10.650	3.51	16.650	1.02	22.65	0.68
4.667	0.91	10.667	3.51	16.667	1.02	22.67	0.68
4.683	0.91	10.683	3.51	16.683	1.02	22.68	0.68
4.700	0.91	10.700	3.51	16.700	1.02	22.70	0.68
4.717	0.91	10.717	3.51	16.717	1.02	22.72	0.68
4.733	0.91	10.733	3.51	16.733	1.02	22.73	0.68
4.750	0.91	10.750	3.51	16.750	1.02	22.75	0.68
4.767	0.91	10.767	3.51	16.767	1.02	22.77	0.68
4.783	0.91	10.783	3.51	16.783	1.02	22.78	0.68
4.800	0.91	10.800	3.51	16.800	1.02	22.80	0.68
4.817	0.91	10.817	3.51	16.817	1.02	22.82	0.68
4.833	0.91	10.833	3.51	16.833	1.02	22.83	0.68
4.850	0.91	10.850	3.51	16.850	1.02	22.85	0.68
4.867	0.91	10.867	3.51	16.867	1.02	22.87	0.68
4.883	0.91	10.883	3.51	16.883	1.02	22.88	0.68
4.900	0.91	10.900	3.51	16.900	1.02	22.90	0.68
4.917	0.91	10.917	3.51	16.917	1.02	22.92	0.68
4.933	0.91	10.933	3.51	16.933	1.02	22.93	0.68
4.950	0.91	10.950	3.51	16.950	1.02	22.95	0.68
4.967	0.91	10.967	3.51	16.967	1.02	22.97	0.68
4.983	0.91	10.983	3.51	16.983	1.02	22.98	0.68
5.000	0.91	11.000	3.51	17.000	1.02	23.00	0.68
5.017	0.91	11.017	5.44	17.017	1.02	23.02	0.68
5.033	0.91	11.033	5.44	17.033	1.02	23.03	0.68
5.050	0.91	11.050	5.44	17.050	1.02	23.05	0.68

5.067	0.91	11.067	5.44	17.067	1.02	23.07	0.68
5.083	0.91	11.083	5.44	17.083	1.02	23.08	0.68
5.100	0.91	11.100	5.44	17.100	1.02	23.10	0.68
5.117	0.91	11.117	5.44	17.117	1.02	23.12	0.68
5.133	0.91	11.133	5.44	17.133	1.02	23.13	0.68
5.150	0.91	11.150	5.44	17.150	1.02	23.15	0.68
5.167	0.91	11.167	5.44	17.167	1.02	23.17	0.68
5.183	0.91	11.183	5.44	17.183	1.02	23.18	0.68
5.200	0.91	11.200	5.44	17.200	1.02	23.20	0.68
5.217	0.91	11.217	5.44	17.217	1.02	23.22	0.68
5.233	0.91	11.233	5.44	17.233	1.02	23.23	0.68
5.250	0.91	11.250	5.44	17.250	1.02	23.25	0.68
5.267	0.91	11.267	5.44	17.267	1.02	23.27	0.68
5.283	0.91	11.283	5.44	17.283	1.02	23.28	0.68
5.300	0.91	11.300	5.44	17.300	1.02	23.30	0.68
5.317	0.91	11.317	5.44	17.317	1.02	23.32	0.68
5.333	0.91	11.333	5.44	17.333	1.02	23.33	0.68
5.350	0.91	11.350	5.44	17.350	1.02	23.35	0.68
5.367	0.91	11.367	5.44	17.367	1.02	23.37	0.68
5.383	0.91	11.383	5.44	17.383	1.02	23.38	0.68
5.400	0.91	11.400	5.44	17.400	1.02	23.40	0.68
5.417	0.91	11.417	5.44	17.417	1.02	23.42	0.68
5.433	0.91	11.433	5.44	17.433	1.02	23.43	0.68
5.450	0.91	11.450	5.44	17.450	1.02	23.45	0.68
5.467	0.91	11.467	5.44	17.467	1.02	23.47	0.68
5.483	0.91	11.483	5.44	17.483	1.02	23.48	0.68
5.500	0.91	11.500	5.44	17.500	1.02	23.50	0.68
5.517	0.91	11.517	16.77	17.517	1.02	23.52	0.68
5.533	0.91	11.533	16.77	17.533	1.02	23.53	0.68
5.550	0.91	11.550	16.77	17.550	1.02	23.55	0.68
5.567	0.91	11.567	16.77	17.567	1.02	23.57	0.68
5.583	0.91	11.583	16.77	17.583	1.02	23.58	0.68
5.600	0.91	11.600	16.77	17.600	1.02	23.60	0.68
5.617	0.91	11.617	16.77	17.617	1.02	23.62	0.68
5.633	0.91	11.633	16.77	17.633	1.02	23.63	0.68
5.650	0.91	11.650	16.77	17.650	1.02	23.65	0.68
5.667	0.91	11.667	16.77	17.667	1.02	23.67	0.68
5.683	0.91	11.683	16.77	17.683	1.02	23.68	0.68
5.700	0.91	11.700	16.77	17.700	1.02	23.70	0.68
5.717	0.91	11.717	16.77	17.717	1.02	23.72	0.68
5.733	0.91	11.733	16.77	17.733	1.02	23.73	0.68
5.750	0.91	11.750	16.77	17.750	1.02	23.75	0.68
5.767	0.91	11.767	69.35	17.767	1.02	23.77	0.68
5.783	0.91	11.783	69.35	17.783	1.02	23.78	0.68
5.800	0.91	11.800	69.35	17.800	1.02	23.80	0.68
5.817	0.91	11.817	69.35	17.817	1.02	23.82	0.68
5.833	0.91	11.833	69.35	17.833	1.02	23.83	0.68
5.850	0.91	11.850	69.35	17.850	1.02	23.85	0.68
5.867	0.91	11.867	69.35	17.867	1.02	23.87	0.68
5.883	0.91	11.883	69.35	17.883	1.02	23.88	0.68
5.900	0.91	11.900	69.35	17.900	1.02	23.90	0.68
5.917	0.91	11.917	69.35	17.917	1.02	23.92	0.68
5.933	0.91	11.933	69.35	17.933	1.02	23.93	0.68
5.950	0.91	11.950	69.35	17.950	1.02	23.95	0.68
5.967	0.91	11.967	69.35	17.967	1.02	23.97	0.68
5.983	0.91	11.983	69.35	17.983	1.02	23.98	0.68
6.000	0.91	12.000	69.35	18.000	1.02	24.00	0.68

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.182 (i)
TIME TO PEAK (hrs)= 12.383
RUNOFF VOLUME (mm)= 7.064
TOTAL RAINFALL (mm)= 56.661
RUNOFF COEFFICIENT = 0.125

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
STANDHYD (0204)	Area (ha)=	0.96	
ID= 1 DT= 1.0 min	Total Imp(%)=	68.00	Dir. Conn.(%)= 47.00

	IMPERVIOUS	PERVIOUS (i)	
Surface Area	(ha)=	0.65	0.31
Dep. Storage	(mm)=	2.00	5.00
Average slope	(%)=	1.00	2.00
Length	(m)=	267.45	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.62	6.017	1.02	12.017	8.20	18.02	1.02
0.033	0.62	6.033	1.02	12.033	8.16	18.03	1.02
0.050	0.62	6.050	1.02	12.050	8.16	18.05	1.02
0.067	0.62	6.067	1.02	12.067	8.16	18.07	1.02
0.083	0.62	6.083	1.02	12.083	8.16	18.08	1.02
0.100	0.62	6.100	1.02	12.100	8.16	18.10	1.02
0.117	0.62	6.117	1.02	12.117	8.16	18.12	1.02
0.133	0.62	6.133	1.02	12.133	8.16	18.13	1.02
0.150	0.62	6.150	1.02	12.150	8.16	18.15	1.02
0.167	0.62	6.167	1.02	12.167	8.16	18.17	1.02
0.183	0.62	6.183	1.02	12.183	8.16	18.18	1.02
0.200	0.62	6.200	1.02	12.200	8.16	18.20	1.02
0.217	0.62	6.217	1.02	12.217	8.16	18.22	1.02
0.233	0.62	6.233	1.02	12.233	8.16	18.23	1.02
0.250	0.62	6.250	1.02	12.250	8.16	18.25	1.02
0.267	0.62	6.267	1.02	12.267	8.16	18.27	1.02
0.283	0.62	6.283	1.02	12.283	8.16	18.28	1.02
0.300	0.62	6.300	1.02	12.300	8.16	18.30	1.02
0.317	0.62	6.317	1.02	12.317	8.16	18.32	1.02
0.333	0.62	6.333	1.02	12.333	8.16	18.33	1.02
0.350	0.62	6.350	1.02	12.350	8.16	18.35	1.02
0.367	0.62	6.367	1.02	12.367	8.16	18.37	1.02
0.383	0.62	6.383	1.02	12.383	8.16	18.38	1.02
0.400	0.62	6.400	1.02	12.400	8.16	18.40	1.02
0.417	0.62	6.417	1.02	12.417	8.16	18.42	1.02
0.433	0.62	6.433	1.02	12.433	8.16	18.43	1.02
0.450	0.62	6.450	1.02	12.450	8.16	18.45	1.02
0.467	0.62	6.467	1.02	12.467	8.16	18.47	1.02
0.483	0.62	6.483	1.02	12.483	8.16	18.48	1.02
0.500	0.62	6.500	1.02	12.500	8.16	18.50	1.02
0.517	0.62	6.517	1.02	12.517	4.20	18.52	1.02
0.533	0.62	6.533	1.02	12.533	4.19	18.53	1.02
0.550	0.62	6.550	1.02	12.550	4.19	18.55	1.02
0.567	0.62	6.567	1.02	12.567	4.19	18.57	1.02
0.583	0.62	6.583	1.02	12.583	4.19	18.58	1.02
0.600	0.62	6.600	1.02	12.600	4.19	18.60	1.02
0.617	0.62	6.617	1.02	12.617	4.19	18.62	1.02
0.633	0.62	6.633	1.02	12.633	4.19	18.63	1.02
0.650	0.62	6.650	1.02	12.650	4.19	18.65	1.02
0.667	0.62	6.667	1.02	12.667	4.19	18.67	1.02
0.683	0.62	6.683	1.02	12.683	4.19	18.68	1.02
0.700	0.62	6.700	1.02	12.700	4.19	18.70	1.02
0.717	0.62	6.717	1.02	12.717	4.19	18.72	1.02
0.733	0.62	6.733	1.02	12.733	4.19	18.73	1.02
0.750	0.62	6.750	1.02	12.750	4.19	18.75	1.02
0.767	0.62	6.767	1.02	12.767	4.19	18.77	1.02
0.783	0.62	6.783	1.02	12.783	4.19	18.78	1.02
0.800	0.62	6.800	1.02	12.800	4.19	18.80	1.02
0.817	0.62	6.817	1.02	12.817	4.19	18.82	1.02
0.833	0.62	6.833	1.02	12.833	4.19	18.83	1.02
0.850	0.62	6.850	1.02	12.850	4.19	18.85	1.02
0.867	0.62	6.867	1.02	12.867	4.19	18.87	1.02
0.883	0.62	6.883	1.02	12.883	4.19	18.88	1.02
0.900	0.62	6.900	1.02	12.900	4.19	18.90	1.02
0.917	0.62	6.917	1.02	12.917	4.19	18.92	1.02
0.933	0.62	6.933	1.02	12.933	4.19	18.93	1.02
0.950	0.62	6.950	1.02	12.950	4.19	18.95	1.02
0.967	0.62	6.967	1.02	12.967	4.19	18.97	1.02
0.983	0.62	6.983	1.02	12.983	4.19	18.98	1.02
1.000	0.62	7.000	1.02	13.000	4.19	19.00	1.02
1.017	0.62	7.017	1.25	13.017	3.06	19.02	1.02
1.033	0.62	7.033	1.25	13.033	3.06	19.03	1.02
1.050	0.62	7.050	1.25	13.050	3.06	19.05	1.02
1.067	0.62	7.067	1.25	13.067	3.06	19.07	1.02
1.083	0.62	7.083	1.25	13.083	3.06	19.08	1.02
1.100	0.62	7.100	1.25	13.100	3.06	19.10	1.02
1.117	0.62	7.117	1.25	13.117	3.06	19.12	1.02
1.133	0.62	7.133	1.25	13.133	3.06	19.13	1.02
1.150	0.62	7.150	1.25	13.150	3.06	19.15	1.02
1.167	0.62	7.167	1.25	13.167	3.06	19.17	1.02
1.183	0.62	7.183	1.25	13.183	3.06	19.18	1.02
1.200	0.62	7.200	1.25	13.200	3.06	19.20	1.02
1.217	0.62	7.217	1.25	13.217	3.06	19.22	1.02
1.233	0.62	7.233	1.25	13.233	3.06	19.23	1.02
1.250	0.62	7.250	1.25	13.250	3.06	19.25	1.02
1.267	0.62	7.267	1.25	13.267	3.06	19.27	1.02
1.283	0.62	7.283	1.25	13.283	3.06	19.28	1.02
1.300	0.62	7.300	1.25	13.300	3.06	19.30	1.02
1.317	0.62	7.317	1.25	13.317	3.06	19.32	1.02
1.333	0.62	7.333	1.25	13.333	3.06	19.33	1.02
1.350	0.62	7.350	1.25	13.350	3.06	19.35	1.02

1.367	0.62	7.367	1.25	13.367	3.06	19.37	1.02
1.383	0.62	7.383	1.25	13.383	3.06	19.38	1.02
1.400	0.62	7.400	1.25	13.400	3.06	19.40	1.02
1.417	0.62	7.417	1.25	13.417	3.06	19.42	1.02
1.433	0.62	7.433	1.25	13.433	3.06	19.43	1.02
1.450	0.62	7.450	1.25	13.450	3.06	19.45	1.02
1.467	0.62	7.467	1.25	13.467	3.06	19.47	1.02
1.483	0.62	7.483	1.25	13.483	3.06	19.48	1.02
1.500	0.62	7.500	1.25	13.500	3.06	19.50	1.02
1.517	0.62	7.517	1.25	13.517	2.38	19.52	1.02
1.533	0.62	7.533	1.25	13.533	2.38	19.53	1.02
1.550	0.62	7.550	1.25	13.550	2.38	19.55	1.02
1.567	0.62	7.567	1.25	13.567	2.38	19.57	1.02
1.583	0.62	7.583	1.25	13.583	2.38	19.58	1.02
1.600	0.62	7.600	1.25	13.600	2.38	19.60	1.02
1.617	0.62	7.617	1.25	13.617	2.38	19.62	1.02
1.633	0.62	7.633	1.25	13.633	2.38	19.63	1.02
1.650	0.62	7.650	1.25	13.650	2.38	19.65	1.02
1.667	0.62	7.667	1.25	13.667	2.38	19.67	1.02
1.683	0.62	7.683	1.25	13.683	2.38	19.68	1.02
1.700	0.62	7.700	1.25	13.700	2.38	19.70	1.02
1.717	0.62	7.717	1.25	13.717	2.38	19.72	1.02
1.733	0.62	7.733	1.25	13.733	2.38	19.73	1.02
1.750	0.62	7.750	1.25	13.750	2.38	19.75	1.02
1.767	0.62	7.767	1.25	13.767	2.38	19.77	1.02
1.783	0.62	7.783	1.25	13.783	2.38	19.78	1.02
1.800	0.62	7.800	1.25	13.800	2.38	19.80	1.02
1.817	0.62	7.817	1.25	13.817	2.38	19.82	1.02
1.833	0.62	7.833	1.25	13.833	2.38	19.83	1.02
1.850	0.62	7.850	1.25	13.850	2.38	19.85	1.02
1.867	0.62	7.867	1.25	13.867	2.38	19.87	1.02
1.883	0.62	7.883	1.25	13.883	2.38	19.88	1.02
1.900	0.62	7.900	1.25	13.900	2.38	19.90	1.02
1.917	0.62	7.917	1.25	13.917	2.38	19.92	1.02
1.933	0.62	7.933	1.25	13.933	2.38	19.93	1.02
1.950	0.62	7.950	1.25	13.950	2.38	19.95	1.02
1.967	0.62	7.967	1.25	13.967	2.38	19.97	1.02
1.983	0.62	7.983	1.25	13.983	2.38	19.98	1.02
2.000	0.62	8.000	1.25	14.000	2.38	20.00	1.02
2.017	0.74	8.017	1.47	14.017	1.70	20.02	0.68
2.033	0.74	8.033	1.47	14.033	1.70	20.03	0.68
2.050	0.74	8.050	1.47	14.050	1.70	20.05	0.68
2.067	0.74	8.067	1.47	14.067	1.70	20.07	0.68
2.083	0.74	8.083	1.47	14.083	1.70	20.08	0.68
2.100	0.74	8.100	1.47	14.100	1.70	20.10	0.68
2.117	0.74	8.117	1.47	14.117	1.70	20.12	0.68
2.133	0.74	8.133	1.47	14.133	1.70	20.13	0.68
2.150	0.74	8.150	1.47	14.150	1.70	20.15	0.68
2.167	0.74	8.167	1.47	14.167	1.70	20.17	0.68
2.183	0.74	8.183	1.47	14.183	1.70	20.18	0.68
2.200	0.74	8.200	1.47	14.200	1.70	20.20	0.68
2.217	0.74	8.217	1.47	14.217	1.70	20.22	0.68
2.233	0.74	8.233	1.47	14.233	1.70	20.23	0.68
2.250	0.74	8.250	1.47	14.250	1.70	20.25	0.68
2.267	0.74	8.267	1.47	14.267	1.70	20.27	0.68
2.283	0.74	8.283	1.47	14.283	1.70	20.28	0.68
2.300	0.74	8.300	1.47	14.300	1.70	20.30	0.68
2.317	0.74	8.317	1.47	14.317	1.70	20.32	0.68
2.333	0.74	8.333	1.47	14.333	1.70	20.33	0.68
2.350	0.74	8.350	1.47	14.350	1.70	20.35	0.68
2.367	0.74	8.367	1.47	14.367	1.70	20.37	0.68
2.383	0.74	8.383	1.47	14.383	1.70	20.38	0.68
2.400	0.74	8.400	1.47	14.400	1.70	20.40	0.68
2.417	0.74	8.417	1.47	14.417	1.70	20.42	0.68
2.433	0.74	8.433	1.47	14.433	1.70	20.43	0.68
2.450	0.74	8.450	1.47	14.450	1.70	20.45	0.68
2.467	0.74	8.467	1.47	14.467	1.70	20.47	0.68
2.483	0.74	8.483	1.47	14.483	1.70	20.48	0.68
2.500	0.74	8.500	1.47	14.500	1.70	20.50	0.68
2.517	0.74	8.517	1.59	14.517	1.70	20.52	0.68
2.533	0.74	8.533	1.59	14.533	1.70	20.53	0.68
2.550	0.74	8.550	1.59	14.550	1.70	20.55	0.68
2.567	0.74	8.567	1.59	14.567	1.70	20.57	0.68
2.583	0.74	8.583	1.59	14.583	1.70	20.58	0.68
2.600	0.74	8.600	1.59	14.600	1.70	20.60	0.68
2.617	0.74	8.617	1.59	14.617	1.70	20.62	0.68
2.633	0.74	8.633	1.59	14.633	1.70	20.63	0.68
2.650	0.74	8.650	1.59	14.650	1.70	20.65	0.68
2.667	0.74	8.667	1.59	14.667	1.70	20.67	0.68
2.683	0.74	8.683	1.59	14.683	1.70	20.68	0.68
2.700	0.74	8.700	1.59	14.700	1.70	20.70	0.68
2.717	0.74	8.717	1.59	14.717	1.70	20.72	0.68
2.733	0.74	8.733	1.59	14.733	1.70	20.73	0.68
2.750	0.74	8.750	1.59	14.750	1.70	20.75	0.68

2.767	0.74	8.767	1.59	14.767	1.70	20.77	0.68
2.783	0.74	8.783	1.59	14.783	1.70	20.78	0.68
2.800	0.74	8.800	1.59	14.800	1.70	20.80	0.68
2.817	0.74	8.817	1.59	14.817	1.70	20.82	0.68
2.833	0.74	8.833	1.59	14.833	1.70	20.83	0.68
2.850	0.74	8.850	1.59	14.850	1.70	20.85	0.68
2.867	0.74	8.867	1.59	14.867	1.70	20.87	0.68
2.883	0.74	8.883	1.59	14.883	1.70	20.88	0.68
2.900	0.74	8.900	1.59	14.900	1.70	20.90	0.68
2.917	0.74	8.917	1.59	14.917	1.70	20.92	0.68
2.933	0.74	8.933	1.59	14.933	1.70	20.93	0.68
2.950	0.74	8.950	1.59	14.950	1.70	20.95	0.68
2.967	0.74	8.967	1.59	14.967	1.70	20.97	0.68
2.983	0.74	8.983	1.59	14.983	1.70	20.98	0.68
3.000	0.74	9.000	1.59	15.000	1.70	21.00	0.68
3.017	0.74	9.017	1.81	15.017	1.70	21.02	0.68
3.033	0.74	9.033	1.81	15.033	1.70	21.03	0.68
3.050	0.74	9.050	1.81	15.050	1.70	21.05	0.68
3.067	0.74	9.067	1.81	15.067	1.70	21.07	0.68
3.083	0.74	9.083	1.81	15.083	1.70	21.08	0.68
3.100	0.74	9.100	1.81	15.100	1.70	21.10	0.68
3.117	0.74	9.117	1.81	15.117	1.70	21.12	0.68
3.133	0.74	9.133	1.81	15.133	1.70	21.13	0.68
3.150	0.74	9.150	1.81	15.150	1.70	21.15	0.68
3.167	0.74	9.167	1.81	15.167	1.70	21.17	0.68
3.183	0.74	9.183	1.81	15.183	1.70	21.18	0.68
3.200	0.74	9.200	1.81	15.200	1.70	21.20	0.68
3.217	0.74	9.217	1.81	15.217	1.70	21.22	0.68
3.233	0.74	9.233	1.81	15.233	1.70	21.23	0.68
3.250	0.74	9.250	1.81	15.250	1.70	21.25	0.68
3.267	0.74	9.267	1.81	15.267	1.70	21.27	0.68
3.283	0.74	9.283	1.81	15.283	1.70	21.28	0.68
3.300	0.74	9.300	1.81	15.300	1.70	21.30	0.68
3.317	0.74	9.317	1.81	15.317	1.70	21.32	0.68
3.333	0.74	9.333	1.81	15.333	1.70	21.33	0.68
3.350	0.74	9.350	1.81	15.350	1.70	21.35	0.68
3.367	0.74	9.367	1.81	15.367	1.70	21.37	0.68
3.383	0.74	9.383	1.81	15.383	1.70	21.38	0.68
3.400	0.74	9.400	1.81	15.400	1.70	21.40	0.68
3.417	0.74	9.417	1.81	15.417	1.70	21.42	0.68
3.433	0.74	9.433	1.81	15.433	1.70	21.43	0.68
3.450	0.74	9.450	1.81	15.450	1.70	21.45	0.68
3.467	0.74	9.467	1.81	15.467	1.70	21.47	0.68
3.483	0.74	9.483	1.81	15.483	1.70	21.48	0.68
3.500	0.74	9.500	1.81	15.500	1.70	21.50	0.68
3.517	0.74	9.517	2.04	15.517	1.70	21.52	0.68
3.533	0.74	9.533	2.04	15.533	1.70	21.53	0.68
3.550	0.74	9.550	2.04	15.550	1.70	21.55	0.68
3.567	0.74	9.567	2.04	15.567	1.70	21.57	0.68
3.583	0.74	9.583	2.04	15.583	1.70	21.58	0.68
3.600	0.74	9.600	2.04	15.600	1.70	21.60	0.68
3.617	0.74	9.617	2.04	15.617	1.70	21.62	0.68
3.633	0.74	9.633	2.04	15.633	1.70	21.63	0.68
3.650	0.74	9.650	2.04	15.650	1.70	21.65	0.68
3.667	0.74	9.667	2.04	15.667	1.70	21.67	0.68
3.683	0.74	9.683	2.04	15.683	1.70	21.68	0.68
3.700	0.74	9.700	2.04	15.700	1.70	21.70	0.68
3.717	0.74	9.717	2.04	15.717	1.70	21.72	0.68
3.733	0.74	9.733	2.04	15.733	1.70	21.73	0.68
3.750	0.74	9.750	2.04	15.750	1.70	21.75	0.68
3.767	0.74	9.767	2.04	15.767	1.70	21.77	0.68
3.783	0.74	9.783	2.04	15.783	1.70	21.78	0.68
3.800	0.74	9.800	2.04	15.800	1.70	21.80	0.68
3.817	0.74	9.817	2.04	15.817	1.70	21.82	0.68
3.833	0.74	9.833	2.04	15.833	1.70	21.83	0.68
3.850	0.74	9.850	2.04	15.850	1.70	21.85	0.68
3.867	0.74	9.867	2.04	15.867	1.70	21.87	0.68
3.883	0.74	9.883	2.04	15.883	1.70	21.88	0.68
3.900	0.74	9.900	2.04	15.900	1.70	21.90	0.68
3.917	0.74	9.917	2.04	15.917	1.70	21.92	0.68
3.933	0.74	9.933	2.04	15.933	1.70	21.93	0.68
3.950	0.74	9.950	2.04	15.950	1.70	21.95	0.68
3.967	0.74	9.967	2.04	15.967	1.70	21.97	0.68
3.983	0.74	9.983	2.04	15.983	1.70	21.98	0.68
4.000	0.74	10.000	2.04	16.000	1.70	22.00	0.68
4.017	0.91	10.017	2.61	16.017	1.02	22.02	0.68
4.033	0.91	10.033	2.61	16.033	1.02	22.03	0.68
4.050	0.91	10.050	2.61	16.050	1.02	22.05	0.68
4.067	0.91	10.067	2.61	16.067	1.02	22.07	0.68
4.083	0.91	10.083	2.61	16.083	1.02	22.08	0.68
4.100	0.91	10.100	2.61	16.100	1.02	22.10	0.68
4.117	0.91	10.117	2.61	16.117	1.02	22.12	0.68
4.133	0.91	10.133	2.61	16.133	1.02	22.13	0.68
4.150	0.91	10.150	2.61	16.150	1.02	22.15	0.68

4.167	0.91	10.167	2.61	16.167	1.02	22.17	0.68
4.183	0.91	10.183	2.61	16.183	1.02	22.18	0.68
4.200	0.91	10.200	2.61	16.200	1.02	22.20	0.68
4.217	0.91	10.217	2.61	16.217	1.02	22.22	0.68
4.233	0.91	10.233	2.61	16.233	1.02	22.23	0.68
4.250	0.91	10.250	2.61	16.250	1.02	22.25	0.68
4.267	0.91	10.267	2.61	16.267	1.02	22.27	0.68
4.283	0.91	10.283	2.61	16.283	1.02	22.28	0.68
4.300	0.91	10.300	2.61	16.300	1.02	22.30	0.68
4.317	0.91	10.317	2.61	16.317	1.02	22.32	0.68
4.333	0.91	10.333	2.61	16.333	1.02	22.33	0.68
4.350	0.91	10.350	2.61	16.350	1.02	22.35	0.68
4.367	0.91	10.367	2.61	16.367	1.02	22.37	0.68
4.383	0.91	10.383	2.61	16.383	1.02	22.38	0.68
4.400	0.91	10.400	2.61	16.400	1.02	22.40	0.68
4.417	0.91	10.417	2.61	16.417	1.02	22.42	0.68
4.433	0.91	10.433	2.61	16.433	1.02	22.43	0.68
4.450	0.91	10.450	2.61	16.450	1.02	22.45	0.68
4.467	0.91	10.467	2.61	16.467	1.02	22.47	0.68
4.483	0.91	10.483	2.61	16.483	1.02	22.48	0.68
4.500	0.91	10.500	2.61	16.500	1.02	22.50	0.68
4.517	0.91	10.517	3.51	16.517	1.02	22.52	0.68
4.533	0.91	10.533	3.51	16.533	1.02	22.53	0.68
4.550	0.91	10.550	3.51	16.550	1.02	22.55	0.68
4.567	0.91	10.567	3.51	16.567	1.02	22.57	0.68
4.583	0.91	10.583	3.51	16.583	1.02	22.58	0.68
4.600	0.91	10.600	3.51	16.600	1.02	22.60	0.68
4.617	0.91	10.617	3.51	16.617	1.02	22.62	0.68
4.633	0.91	10.633	3.51	16.633	1.02	22.63	0.68
4.650	0.91	10.650	3.51	16.650	1.02	22.65	0.68
4.667	0.91	10.667	3.51	16.667	1.02	22.67	0.68
4.683	0.91	10.683	3.51	16.683	1.02	22.68	0.68
4.700	0.91	10.700	3.51	16.700	1.02	22.70	0.68
4.717	0.91	10.717	3.51	16.717	1.02	22.72	0.68
4.733	0.91	10.733	3.51	16.733	1.02	22.73	0.68
4.750	0.91	10.750	3.51	16.750	1.02	22.75	0.68
4.767	0.91	10.767	3.51	16.767	1.02	22.77	0.68
4.783	0.91	10.783	3.51	16.783	1.02	22.78	0.68
4.800	0.91	10.800	3.51	16.800	1.02	22.80	0.68
4.817	0.91	10.817	3.51	16.817	1.02	22.82	0.68
4.833	0.91	10.833	3.51	16.833	1.02	22.83	0.68
4.850	0.91	10.850	3.51	16.850	1.02	22.85	0.68
4.867	0.91	10.867	3.51	16.867	1.02	22.87	0.68
4.883	0.91	10.883	3.51	16.883	1.02	22.88	0.68
4.900	0.91	10.900	3.51	16.900	1.02	22.90	0.68
4.917	0.91	10.917	3.51	16.917	1.02	22.92	0.68
4.933	0.91	10.933	3.51	16.933	1.02	22.93	0.68
4.950	0.91	10.950	3.51	16.950	1.02	22.95	0.68
4.967	0.91	10.967	3.51	16.967	1.02	22.97	0.68
4.983	0.91	10.983	3.51	16.983	1.02	22.98	0.68
5.000	0.91	11.000	3.51	17.000	1.02	23.00	0.68
5.017	0.91	11.017	5.44	17.017	1.02	23.02	0.68
5.033	0.91	11.033	5.44	17.033	1.02	23.03	0.68
5.050	0.91	11.050	5.44	17.050	1.02	23.05	0.68
5.067	0.91	11.067	5.44	17.067	1.02	23.07	0.68
5.083	0.91	11.083	5.44	17.083	1.02	23.08	0.68
5.100	0.91	11.100	5.44	17.100	1.02	23.10	0.68
5.117	0.91	11.117	5.44	17.117	1.02	23.12	0.68
5.133	0.91	11.133	5.44	17.133	1.02	23.13	0.68
5.150	0.91	11.150	5.44	17.150	1.02	23.15	0.68
5.167	0.91	11.167	5.44	17.167	1.02	23.17	0.68
5.183	0.91	11.183	5.44	17.183	1.02	23.18	0.68
5.200	0.91	11.200	5.44	17.200	1.02	23.20	0.68
5.217	0.91	11.217	5.44	17.217	1.02	23.22	0.68
5.233	0.91	11.233	5.44	17.233	1.02	23.23	0.68
5.250	0.91	11.250	5.44	17.250	1.02	23.25	0.68
5.267	0.91	11.267	5.44	17.267	1.02	23.27	0.68
5.283	0.91	11.283	5.44	17.283	1.02	23.28	0.68
5.300	0.91	11.300	5.44	17.300	1.02	23.30	0.68
5.317	0.91	11.317	5.44	17.317	1.02	23.32	0.68
5.333	0.91	11.333	5.44	17.333	1.02	23.33	0.68
5.350	0.91	11.350	5.44	17.350	1.02	23.35	0.68
5.367	0.91	11.367	5.44	17.367	1.02	23.37	0.68
5.383	0.91	11.383	5.44	17.383	1.02	23.38	0.68
5.400	0.91	11.400	5.44	17.400	1.02	23.40	0.68
5.417	0.91	11.417	5.44	17.417	1.02	23.42	0.68
5.433	0.91	11.433	5.44	17.433	1.02	23.43	0.68
5.450	0.91	11.450	5.44	17.450	1.02	23.45	0.68
5.467	0.91	11.467	5.44	17.467	1.02	23.47	0.68
5.483	0.91	11.483	5.44	17.483	1.02	23.48	0.68
5.500	0.91	11.500	5.44	17.500	1.02	23.50	0.68
5.517	0.91	11.517	16.77	17.517	1.02	23.52	0.68
5.533	0.91	11.533	16.77	17.533	1.02	23.53	0.68
5.550	0.91	11.550	16.77	17.550	1.02	23.55	0.68

5.567	0.91	11.567	16.77	17.567	1.02	23.57	0.68
5.583	0.91	11.583	16.77	17.583	1.02	23.58	0.68
5.600	0.91	11.600	16.77	17.600	1.02	23.60	0.68
5.617	0.91	11.617	16.77	17.617	1.02	23.62	0.68
5.633	0.91	11.633	16.77	17.633	1.02	23.63	0.68
5.650	0.91	11.650	16.77	17.650	1.02	23.65	0.68
5.667	0.91	11.667	16.77	17.667	1.02	23.67	0.68
5.683	0.91	11.683	16.77	17.683	1.02	23.68	0.68
5.700	0.91	11.700	16.77	17.700	1.02	23.70	0.68
5.717	0.91	11.717	16.77	17.717	1.02	23.72	0.68
5.733	0.91	11.733	16.77	17.733	1.02	23.73	0.68
5.750	0.91	11.750	16.77	17.750	1.02	23.75	0.68
5.767	0.91	11.767	69.33	17.767	1.02	23.77	0.68
5.783	0.91	11.783	69.35	17.783	1.02	23.78	0.68
5.800	0.91	11.800	69.35	17.800	1.02	23.80	0.68
5.817	0.91	11.817	69.35	17.817	1.02	23.82	0.68
5.833	0.91	11.833	69.35	17.833	1.02	23.83	0.68
5.850	0.91	11.850	69.35	17.850	1.02	23.85	0.68
5.867	0.91	11.867	69.35	17.867	1.02	23.87	0.68
5.883	0.91	11.883	69.35	17.883	1.02	23.88	0.68
5.900	0.91	11.900	69.35	17.900	1.02	23.90	0.68
5.917	0.91	11.917	69.35	17.917	1.02	23.92	0.68
5.933	0.91	11.933	69.35	17.933	1.02	23.93	0.68
5.950	0.91	11.950	69.35	17.950	1.02	23.95	0.68
5.967	0.91	11.967	69.35	17.967	1.02	23.97	0.68
5.983	0.91	11.983	69.35	17.983	1.02	23.98	0.68
6.000	0.91	12.000	69.35	18.000	1.02	24.00	0.68

Max.Eff.Inten.(mm/hr)= 69.35 37.62
 over (min) 5.00 13.00
 Storage Coeff. (min)= 5.34 (ii) 12.34 (ii)
 Unit Hyd. Tpeak (min)= 5.00 13.00
 Unit Hyd. peak (cms)= 0.22 0.09

 PEAK FLOW (cms)= 0.08 0.02 *TOTALS*
 TIME TO PEAK (hrs)= 12.00 12.12 0.096 (iii)
 RUNOFF VOLUME (mm)= 54.66 15.61 12.02
 TOTAL RAINFALL (mm)= 56.66 56.66 33.96
 RUNOFF COEFFICIENT = 0.96 0.28 56.66
 0.60

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
 (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
 (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0204):	0.96	0.096	12.02	33.96
+ ID2= 2 (0205):	14.50	0.182	12.38	7.06
=====				
ID = 3 (0017):	15.46	0.204	12.35	10.96

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 3 (0017):	15.46	0.204	12.35	10.96
+ ID2= 2 (0087):	15.86	0.308	12.32	10.18
=====				
ID = 1 (0017):	31.32	0.512	12.33	12.02

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB STANDHYD (0012)			
ID= 1 DT= 1.0 min	Area (ha)=	1.18	
	Total Imp(%)=	22.00	Dir. Conn.(%)= 22.00

IMPERVIOUS PERVIOUS (i)
 Surface Area (ha)= 0.26 0.92
 Dep. Storage (mm)= 2.00 4.60
 Average Slope (%)= 1.00 2.00
 Length (m)= 88.84 40.00
 Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.62	6.017	1.02	12.017	8.16	18.02	1.02
0.033	0.62	6.033	1.02	12.033	8.16	18.03	1.02
0.050	0.62	6.050	1.02	12.050	8.16	18.05	1.02
0.067	0.62	6.067	1.02	12.067	8.16	18.07	1.02
0.083	0.62	6.083	1.02	12.083	8.16	18.08	1.02
0.100	0.62	6.100	1.02	12.100	8.16	18.10	1.02
0.117	0.62	6.117	1.02	12.117	8.16	18.12	1.02
0.133	0.62	6.133	1.02	12.133	8.16	18.13	1.02
0.150	0.62	6.150	1.02	12.150	8.16	18.15	1.02
0.167	0.62	6.167	1.02	12.167	8.16	18.17	1.02
0.183	0.62	6.183	1.02	12.183	8.16	18.18	1.02
0.200	0.62	6.200	1.02	12.200	8.16	18.20	1.02
0.217	0.62	6.217	1.02	12.217	8.16	18.22	1.02
0.233	0.62	6.233	1.02	12.233	8.16	18.23	1.02
0.250	0.62	6.250	1.02	12.250	8.16	18.25	1.02
0.267	0.62	6.267	1.02	12.267	8.16	18.27	1.02
0.283	0.62	6.283	1.02	12.283	8.16	18.28	1.02
0.300	0.62	6.300	1.02	12.300	8.16	18.30	1.02
0.317	0.62	6.317	1.02	12.317	8.16	18.32	1.02
0.333	0.62	6.333	1.02	12.333	8.16	18.33	1.02
0.350	0.62	6.350	1.02	12.350	8.16	18.35	1.02
0.367	0.62	6.367	1.02	12.367	8.16	18.37	1.02
0.383	0.62	6.383	1.02	12.383	8.16	18.38	1.02
0.400	0.62	6.400	1.02	12.400	8.16	18.40	1.02
0.417	0.62	6.417	1.02	12.417	8.16	18.42	1.02
0.433	0.62	6.433	1.02	12.433	8.16	18.43	1.02
0.450	0.62	6.450	1.02	12.450	8.16	18.45	1.02
0.467	0.62	6.467	1.02	12.467	8.16	18.47	1.02
0.483	0.62	6.483	1.02	12.483	8.16	18.48	1.02
0.500	0.62	6.500	1.02	12.500	8.16	18.50	1.02
0.517	0.62	6.517	1.02	12.517	4.20	18.52	1.02
0.533	0.62	6.533	1.02	12.533	4.19	18.53	1.02
0.550	0.62	6.550	1.02	12.550	4.19	18.55	1.02
0.567	0.62	6.567	1.02	12.567	4.19	18.57	1.02
0.583	0.62	6.583	1.02	12.583	4.19	18.58	1.02
0.600	0.62	6.600	1.02	12.600	4.19	18.60	1.02
0.617	0.62	6.617	1.02	12.617	4.19	18.62	1.02
0.633	0.62	6.633	1.02	12.633	4.19	18.63	1.02
0.650	0.62	6.650	1.02	12.650	4.19	18.65	1.02
0.667	0.62	6.667	1.02	12.667	4.19	18.67	1.02
0.683	0.62	6.683	1.02	12.683	4.19	18.68	1.02
0.700	0.62	6.700	1.02	12.700	4.19	18.70	1.02
0.717	0.62	6.717	1.02	12.717	4.19	18.72	1.02
0.733	0.62	6.733	1.02	12.733	4.19	18.73	1.02
0.750	0.62	6.750	1.02	12.750	4.19	18.75	1.02
0.767	0.62	6.767	1.02	12.767	4.19	18.77	1.02
0.783	0.62	6.783	1.02	12.783	4.19	18.78	1.02
0.800	0.62	6.800	1.02	12.800	4.19	18.80	1.02
0.817	0.62	6.817	1.02	12.817	4.19	18.82	1.02
0.833	0.62	6.833	1.02	12.833	4.19	18.83	1.02
0.850	0.62	6.850	1.02	12.850	4.19	18.85	1.02
0.867	0.62	6.867	1.02	12.867	4.19	18.87	1.02
0.883	0.62	6.883	1.02	12.883	4.19	18.88	1.02
0.900	0.62	6.900	1.02	12.900	4.19	18.90	1.02
0.917	0.62	6.917	1.02	12.917	4.19	18.92	1.02
0.933	0.62	6.933	1.02	12.933	4.19	18.93	1.02
0.950	0.62	6.950	1.02	12.950	4.19	18.95	1.02
0.967	0.62	6.967	1.02	12.967	4.19	18.97	1.02
0.983	0.62	6.983	1.02	12.983	4.19	18.98	1.02
1.000	0.62	7.000	1.02	13.000	4.19	19.00	1.02
1.017	0.62	7.017	1.25	13.017	3.06	19.02	1.02
1.033	0.62	7.033	1.25	13.033	3.06	19.03	1.02
1.050	0.62	7.050	1.25	13.050	3.06	19.05	1.02
1.067	0.62	7.067	1.25	13.067	3.06	19.07	1.02
1.083	0.62	7.083	1.25	13.083	3.06	19.08	1.02
1.100	0.62	7.100	1.25	13.100	3.06	19.10	1.02
1.117	0.62	7.117	1.25	13.117	3.06	19.12	1.02
1.133	0.62	7.133	1.25	13.133	3.06	19.13	1.02
1.150	0.62	7.150	1.25	13.150	3.06	19.15	1.02
1.167	0.62	7.167	1.25	13.167	3.06	19.17	1.02
1.183	0.62	7.183	1.25	13.183	3.06	19.18	1.02
1.200	0.62	7.200	1.25	13.200	3.06	19.20	1.02
1.217	0.62	7.217	1.25	13.217	3.06	19.22	1.02
1.233	0.62	7.233	1.25	13.233	3.06	19.23	1.02
1.250	0.62	7.250	1.25	13.250	3.06	19.25	1.02
1.267	0.62	7.267	1.25	13.267	3.06	19.27	1.02
1.283	0.62	7.283	1.25	13.283	3.06	19.28	1.02
1.300	0.62	7.300	1.25	13.300	3.06	19.30	1.02

1.317	0.62	7.317	1.25	13.317	3.06	19.32	1.02
1.333	0.62	7.333	1.25	13.333	3.06	19.33	1.02
1.350	0.62	7.350	1.25	13.350	3.06	19.35	1.02
1.367	0.62	7.367	1.25	13.367	3.06	19.37	1.02
1.383	0.62	7.383	1.25	13.383	3.06	19.38	1.02
1.400	0.62	7.400	1.25	13.400	3.06	19.40	1.02
1.417	0.62	7.417	1.25	13.417	3.06	19.42	1.02
1.433	0.62	7.433	1.25	13.433	3.06	19.43	1.02
1.450	0.62	7.450	1.25	13.450	3.06	19.45	1.02
1.467	0.62	7.467	1.25	13.467	3.06	19.47	1.02
1.483	0.62	7.483	1.25	13.483	3.06	19.48	1.02
1.500	0.62	7.500	1.25	13.500	3.06	19.50	1.02
1.517	0.62	7.517	1.25	13.517	2.38	19.52	1.02
1.533	0.62	7.533	1.25	13.533	2.38	19.53	1.02
1.550	0.62	7.550	1.25	13.550	2.38	19.55	1.02
1.567	0.62	7.567	1.25	13.567	2.38	19.57	1.02
1.583	0.62	7.583	1.25	13.583	2.38	19.58	1.02
1.600	0.62	7.600	1.25	13.600	2.38	19.60	1.02
1.617	0.62	7.617	1.25	13.617	2.38	19.62	1.02
1.633	0.62	7.633	1.25	13.633	2.38	19.63	1.02
1.650	0.62	7.650	1.25	13.650	2.38	19.65	1.02
1.667	0.62	7.667	1.25	13.667	2.38	19.67	1.02
1.683	0.62	7.683	1.25	13.683	2.38	19.68	1.02
1.700	0.62	7.700	1.25	13.700	2.38	19.70	1.02
1.717	0.62	7.717	1.25	13.717	2.38	19.72	1.02
1.733	0.62	7.733	1.25	13.733	2.38	19.73	1.02
1.750	0.62	7.750	1.25	13.750	2.38	19.75	1.02
1.767	0.62	7.767	1.25	13.767	2.38	19.77	1.02
1.783	0.62	7.783	1.25	13.783	2.38	19.78	1.02
1.800	0.62	7.800	1.25	13.800	2.38	19.80	1.02
1.817	0.62	7.817	1.25	13.817	2.38	19.82	1.02
1.833	0.62	7.833	1.25	13.833	2.38	19.83	1.02
1.850	0.62	7.850	1.25	13.850	2.38	19.85	1.02
1.867	0.62	7.867	1.25	13.867	2.38	19.87	1.02
1.883	0.62	7.883	1.25	13.883	2.38	19.88	1.02
1.900	0.62	7.900	1.25	13.900	2.38	19.90	1.02
1.917	0.62	7.917	1.25	13.917	2.38	19.92	1.02
1.933	0.62	7.933	1.25	13.933	2.38	19.93	1.02
1.950	0.62	7.950	1.25	13.950	2.38	19.95	1.02
1.967	0.62	7.967	1.25	13.967	2.38	19.97	1.02
1.983	0.62	7.983	1.25	13.983	2.38	19.98	1.02
2.000	0.62	8.000	1.25	14.000	2.38	20.00	1.02
2.017	0.74	8.017	1.47	14.017	1.70	20.02	0.68
2.033	0.74	8.033	1.47	14.033	1.70	20.03	0.68
2.050	0.74	8.050	1.47	14.050	1.70	20.05	0.68
2.067	0.74	8.067	1.47	14.067	1.70	20.07	0.68
2.083	0.74	8.083	1.47	14.083	1.70	20.08	0.68
2.100	0.74	8.100	1.47	14.100	1.70	20.10	0.68
2.117	0.74	8.117	1.47	14.117	1.70	20.12	0.68
2.133	0.74	8.133	1.47	14.133	1.70	20.13	0.68
2.150	0.74	8.150	1.47	14.150	1.70	20.15	0.68
2.167	0.74	8.167	1.47	14.167	1.70	20.17	0.68
2.183	0.74	8.183	1.47	14.183	1.70	20.18	0.68
2.200	0.74	8.200	1.47	14.200	1.70	20.20	0.68
2.217	0.74	8.217	1.47	14.217	1.70	20.22	0.68
2.233	0.74	8.233	1.47	14.233	1.70	20.23	0.68
2.250	0.74	8.250	1.47	14.250	1.70	20.25	0.68
2.267	0.74	8.267	1.47	14.267	1.70	20.27	0.68
2.283	0.74	8.283	1.47	14.283	1.70	20.28	0.68
2.300	0.74	8.300	1.47	14.300	1.70	20.30	0.68
2.317	0.74	8.317	1.47	14.317	1.70	20.32	0.68
2.333	0.74	8.333	1.47	14.333	1.70	20.33	0.68
2.350	0.74	8.350	1.47	14.350	1.70	20.35	0.68
2.367	0.74	8.367	1.47	14.367	1.70	20.37	0.68
2.383	0.74	8.383	1.47	14.383	1.70	20.38	0.68
2.400	0.74	8.400	1.47	14.400	1.70	20.40	0.68
2.417	0.74	8.417	1.47	14.417	1.70	20.42	0.68
2.433	0.74	8.433	1.47	14.433	1.70	20.43	0.68
2.450	0.74	8.450	1.47	14.450	1.70	20.45	0.68
2.467	0.74	8.467	1.47	14.467	1.70	20.47	0.68
2.483	0.74	8.483	1.47	14.483	1.70	20.48	0.68
2.500	0.74	8.500	1.47	14.500	1.70	20.50	0.68
2.517	0.74	8.517	1.59	14.517	1.70	20.52	0.68
2.533	0.74	8.533	1.59	14.533	1.70	20.53	0.68
2.550	0.74	8.550	1.59	14.550	1.70	20.55	0.68
2.567	0.74	8.567	1.59	14.567	1.70	20.57	0.68
2.583	0.74	8.583	1.59	14.583	1.70	20.58	0.68
2.600	0.74	8.600	1.59	14.600	1.70	20.60	0.68
2.617	0.74	8.617	1.59	14.617	1.70	20.62	0.68
2.633	0.74	8.633	1.59	14.633	1.70	20.63	0.68
2.650	0.74	8.650	1.59	14.650	1.70	20.65	0.68
2.667	0.74	8.667	1.59	14.667	1.70	20.67	0.68
2.683	0.74	8.683	1.59	14.683	1.70	20.68	0.68
2.700	0.74	8.700	1.59	14.700	1.70	20.70	0.68

2.717	0.74	8.717	1.59	14.717	1.70	20.72	0.68
2.733	0.74	8.733	1.59	14.733	1.70	20.73	0.68
2.750	0.74	8.750	1.59	14.750	1.70	20.75	0.68
2.767	0.74	8.767	1.59	14.767	1.70	20.77	0.68
2.783	0.74	8.783	1.59	14.783	1.70	20.78	0.68
2.800	0.74	8.800	1.59	14.800	1.70	20.80	0.68
2.817	0.74	8.817	1.59	14.817	1.70	20.82	0.68
2.833	0.74	8.833	1.59	14.833	1.70	20.83	0.68
2.850	0.74	8.850	1.59	14.850	1.70	20.85	0.68
2.867	0.74	8.867	1.59	14.867	1.70	20.87	0.68
2.883	0.74	8.883	1.59	14.883	1.70	20.88	0.68
2.900	0.74	8.900	1.59	14.900	1.70	20.90	0.68
2.917	0.74	8.917	1.59	14.917	1.70	20.92	0.68
2.933	0.74	8.933	1.59	14.933	1.70	20.93	0.68
2.950	0.74	8.950	1.59	14.950	1.70	20.95	0.68
2.967	0.74	8.967	1.59	14.967	1.70	20.97	0.68
2.983	0.74	8.983	1.59	14.983	1.70	20.98	0.68
3.000	0.74	9.000	1.59	15.000	1.70	21.00	0.68
3.017	0.74	9.017	1.81	15.017	1.70	21.02	0.68
3.033	0.74	9.033	1.81	15.033	1.70	21.03	0.68
3.050	0.74	9.050	1.81	15.050	1.70	21.05	0.68
3.067	0.74	9.067	1.81	15.067	1.70	21.07	0.68
3.083	0.74	9.083	1.81	15.083	1.70	21.08	0.68
3.100	0.74	9.100	1.81	15.100	1.70	21.10	0.68
3.117	0.74	9.117	1.81	15.117	1.70	21.12	0.68
3.133	0.74	9.133	1.81	15.133	1.70	21.13	0.68
3.150	0.74	9.150	1.81	15.150	1.70	21.15	0.68
3.167	0.74	9.167	1.81	15.167	1.70	21.17	0.68
3.183	0.74	9.183	1.81	15.183	1.70	21.18	0.68
3.200	0.74	9.200	1.81	15.200	1.70	21.20	0.68
3.217	0.74	9.217	1.81	15.217	1.70	21.22	0.68
3.233	0.74	9.233	1.81	15.233	1.70	21.23	0.68
3.250	0.74	9.250	1.81	15.250	1.70	21.25	0.68
3.267	0.74	9.267	1.81	15.267	1.70	21.27	0.68
3.283	0.74	9.283	1.81	15.283	1.70	21.28	0.68
3.300	0.74	9.300	1.81	15.300	1.70	21.30	0.68
3.317	0.74	9.317	1.81	15.317	1.70	21.32	0.68
3.333	0.74	9.333	1.81	15.333	1.70	21.33	0.68
3.350	0.74	9.350	1.81	15.350	1.70	21.35	0.68
3.367	0.74	9.367	1.81	15.367	1.70	21.37	0.68
3.383	0.74	9.383	1.81	15.383	1.70	21.38	0.68
3.400	0.74	9.400	1.81	15.400	1.70	21.40	0.68
3.417	0.74	9.417	1.81	15.417	1.70	21.42	0.68
3.433	0.74	9.433	1.81	15.433	1.70	21.43	0.68
3.450	0.74	9.450	1.81	15.450	1.70	21.45	0.68
3.467	0.74	9.467	1.81	15.467	1.70	21.47	0.68
3.483	0.74	9.483	1.81	15.483	1.70	21.48	0.68
3.500	0.74	9.500	1.81	15.500	1.70	21.50	0.68
3.517	0.74	9.517	2.04	15.517	1.70	21.52	0.68
3.533	0.74	9.533	2.04	15.533	1.70	21.53	0.68
3.550	0.74	9.550	2.04	15.550	1.70	21.55	0.68
3.567	0.74	9.567	2.04	15.567	1.70	21.57	0.68
3.583	0.74	9.583	2.04	15.583	1.70	21.58	0.68
3.600	0.74	9.600	2.04	15.600	1.70	21.60	0.68
3.617	0.74	9.617	2.04	15.617	1.70	21.62	0.68
3.633	0.74	9.633	2.04	15.633	1.70	21.63	0.68
3.650	0.74	9.650	2.04	15.650	1.70	21.65	0.68
3.667	0.74	9.667	2.04	15.667	1.70	21.67	0.68
3.683	0.74	9.683	2.04	15.683	1.70	21.68	0.68
3.700	0.74	9.700	2.04	15.700	1.70	21.70	0.68
3.717	0.74	9.717	2.04	15.717	1.70	21.72	0.68
3.733	0.74	9.733	2.04	15.733	1.70	21.73	0.68
3.750	0.74	9.750	2.04	15.750	1.70	21.75	0.68
3.767	0.74	9.767	2.04	15.767	1.70	21.77	0.68
3.783	0.74	9.783	2.04	15.783	1.70	21.78	0.68
3.800	0.74	9.800	2.04	15.800	1.70	21.80	0.68
3.817	0.74	9.817	2.04	15.817	1.70	21.82	0.68
3.833	0.74	9.833	2.04	15.833	1.70	21.83	0.68
3.850	0.74	9.850	2.04	15.850	1.70	21.85	0.68
3.867	0.74	9.867	2.04	15.867	1.70	21.87	0.68
3.883	0.74	9.883	2.04	15.883	1.70	21.88	0.68
3.900	0.74	9.900	2.04	15.900	1.70	21.90	0.68
3.917	0.74	9.917	2.04	15.917	1.70	21.92	0.68
3.933	0.74	9.933	2.04	15.933	1.70	21.93	0.68
3.950	0.74	9.950	2.04	15.950	1.70	21.95	0.68
3.967	0.74	9.967	2.04	15.967	1.70	21.97	0.68
3.983	0.74	9.983	2.04	15.983	1.70	21.98	0.68
4.000	0.74	10.000	2.04	16.000	1.70	22.00	0.68
4.017	0.91	10.017	2.61	16.017	1.02	22.02	0.68
4.033	0.91	10.033	2.61	16.033	1.02	22.03	0.68
4.050	0.91	10.050	2.61	16.050	1.02	22.05	0.68
4.067	0.91	10.067	2.61	16.067	1.02	22.07	0.68
4.083	0.91	10.083	2.61	16.083	1.02	22.08	0.68
4.100	0.91	10.100	2.61	16.100	1.02	22.10	0.68

4.117	0.91	10.117	2.61	16.117	1.02	22.12	0.68
4.133	0.91	10.133	2.61	16.133	1.02	22.13	0.68
4.150	0.91	10.150	2.61	16.150	1.02	22.15	0.68
4.167	0.91	10.167	2.61	16.167	1.02	22.17	0.68
4.183	0.91	10.183	2.61	16.183	1.02	22.18	0.68
4.200	0.91	10.200	2.61	16.200	1.02	22.20	0.68
4.217	0.91	10.217	2.61	16.217	1.02	22.22	0.68
4.233	0.91	10.233	2.61	16.233	1.02	22.23	0.68
4.250	0.91	10.250	2.61	16.250	1.02	22.25	0.68
4.267	0.91	10.267	2.61	16.267	1.02	22.27	0.68
4.283	0.91	10.283	2.61	16.283	1.02	22.28	0.68
4.300	0.91	10.300	2.61	16.300	1.02	22.30	0.68
4.317	0.91	10.317	2.61	16.317	1.02	22.32	0.68
4.333	0.91	10.333	2.61	16.333	1.02	22.33	0.68
4.350	0.91	10.350	2.61	16.350	1.02	22.35	0.68
4.367	0.91	10.367	2.61	16.367	1.02	22.37	0.68
4.383	0.91	10.383	2.61	16.383	1.02	22.38	0.68
4.400	0.91	10.400	2.61	16.400	1.02	22.40	0.68
4.417	0.91	10.417	2.61	16.417	1.02	22.42	0.68
4.433	0.91	10.433	2.61	16.433	1.02	22.43	0.68
4.450	0.91	10.450	2.61	16.450	1.02	22.45	0.68
4.467	0.91	10.467	2.61	16.467	1.02	22.47	0.68
4.483	0.91	10.483	2.61	16.483	1.02	22.48	0.68
4.500	0.91	10.500	2.61	16.500	1.02	22.50	0.68
4.517	0.91	10.517	3.51	16.517	1.02	22.52	0.68
4.533	0.91	10.533	3.51	16.533	1.02	22.53	0.68
4.550	0.91	10.550	3.51	16.550	1.02	22.55	0.68
4.567	0.91	10.567	3.51	16.567	1.02	22.57	0.68
4.583	0.91	10.583	3.51	16.583	1.02	22.58	0.68
4.600	0.91	10.600	3.51	16.600	1.02	22.60	0.68
4.617	0.91	10.617	3.51	16.617	1.02	22.62	0.68
4.633	0.91	10.633	3.51	16.633	1.02	22.63	0.68
4.650	0.91	10.650	3.51	16.650	1.02	22.65	0.68
4.667	0.91	10.667	3.51	16.667	1.02	22.67	0.68
4.683	0.91	10.683	3.51	16.683	1.02	22.68	0.68
4.700	0.91	10.700	3.51	16.700	1.02	22.70	0.68
4.717	0.91	10.717	3.51	16.717	1.02	22.72	0.68
4.733	0.91	10.733	3.51	16.733	1.02	22.73	0.68
4.750	0.91	10.750	3.51	16.750	1.02	22.75	0.68
4.767	0.91	10.767	3.51	16.767	1.02	22.77	0.68
4.783	0.91	10.783	3.51	16.783	1.02	22.78	0.68
4.800	0.91	10.800	3.51	16.800	1.02	22.80	0.68
4.817	0.91	10.817	3.51	16.817	1.02	22.82	0.68
4.833	0.91	10.833	3.51	16.833	1.02	22.83	0.68
4.850	0.91	10.850	3.51	16.850	1.02	22.85	0.68
4.867	0.91	10.867	3.51	16.867	1.02	22.87	0.68
4.883	0.91	10.883	3.51	16.883	1.02	22.88	0.68
4.900	0.91	10.900	3.51	16.900	1.02	22.90	0.68
4.917	0.91	10.917	3.51	16.917	1.02	22.92	0.68
4.933	0.91	10.933	3.51	16.933	1.02	22.93	0.68
4.950	0.91	10.950	3.51	16.950	1.02	22.95	0.68
4.967	0.91	10.967	3.51	16.967	1.02	22.97	0.68
4.983	0.91	10.983	3.51	16.983	1.02	22.98	0.68
5.000	0.91	11.000	3.51	17.000	1.02	23.00	0.68
5.017	0.91	11.017	5.44	17.017	1.02	23.02	0.68
5.033	0.91	11.033	5.44	17.033	1.02	23.03	0.68
5.050	0.91	11.050	5.44	17.050	1.02	23.05	0.68
5.067	0.91	11.067	5.44	17.067	1.02	23.07	0.68
5.083	0.91	11.083	5.44	17.083	1.02	23.08	0.68
5.100	0.91	11.100	5.44	17.100	1.02	23.10	0.68
5.117	0.91	11.117	5.44	17.117	1.02	23.12	0.68
5.133	0.91	11.133	5.44	17.133	1.02	23.13	0.68
5.150	0.91	11.150	5.44	17.150	1.02	23.15	0.68
5.167	0.91	11.167	5.44	17.167	1.02	23.17	0.68
5.183	0.91	11.183	5.44	17.183	1.02	23.18	0.68
5.200	0.91	11.200	5.44	17.200	1.02	23.20	0.68
5.217	0.91	11.217	5.44	17.217	1.02	23.22	0.68
5.233	0.91	11.233	5.44	17.233	1.02	23.23	0.68
5.250	0.91	11.250	5.44	17.250	1.02	23.25	0.68
5.267	0.91	11.267	5.44	17.267	1.02	23.27	0.68
5.283	0.91	11.283	5.44	17.283	1.02	23.28	0.68
5.300	0.91	11.300	5.44	17.300	1.02	23.30	0.68
5.317	0.91	11.317	5.44	17.317	1.02	23.32	0.68
5.333	0.91	11.333	5.44	17.333	1.02	23.33	0.68
5.350	0.91	11.350	5.44	17.350	1.02	23.35	0.68
5.367	0.91	11.367	5.44	17.367	1.02	23.37	0.68
5.383	0.91	11.383	5.44	17.383	1.02	23.38	0.68
5.400	0.91	11.400	5.44	17.400	1.02	23.40	0.68
5.417	0.91	11.417	5.44	17.417	1.02	23.42	0.68
5.433	0.91	11.433	5.44	17.433	1.02	23.43	0.68
5.450	0.91	11.450	5.44	17.450	1.02	23.45	0.68
5.467	0.91	11.467	5.44	17.467	1.02	23.47	0.68
5.483	0.91	11.483	5.44	17.483	1.02	23.48	0.68
5.500	0.91	11.500	5.44	17.500	1.02	23.50	0.68

5.517	0.91	11.517	16.77	17.517	1.02	23.52	0.68
5.533	0.91	11.533	16.77	17.533	1.02	23.53	0.68
5.550	0.91	11.550	16.77	17.550	1.02	23.55	0.68
5.567	0.91	11.567	16.77	17.567	1.02	23.57	0.68
5.583	0.91	11.583	16.77	17.583	1.02	23.58	0.68
5.600	0.91	11.600	16.77	17.600	1.02	23.60	0.68
5.617	0.91	11.617	16.77	17.617	1.02	23.62	0.68
5.633	0.91	11.633	16.77	17.633	1.02	23.63	0.68
5.650	0.91	11.650	16.77	17.650	1.02	23.65	0.68
5.667	0.91	11.667	16.77	17.667	1.02	23.67	0.68
5.683	0.91	11.683	16.77	17.683	1.02	23.68	0.68
5.700	0.91	11.700	16.77	17.700	1.02	23.70	0.68
5.717	0.91	11.717	16.77	17.717	1.02	23.72	0.68
5.733	0.91	11.733	16.77	17.733	1.02	23.73	0.68
5.750	0.91	11.750	16.77	17.750	1.02	23.75	0.68
5.767	0.91	11.767	69.35	17.767	1.02	23.77	0.68
5.783	0.91	11.783	69.35	17.783	1.02	23.78	0.68
5.800	0.91	11.800	69.35	17.800	1.02	23.80	0.68
5.817	0.91	11.817	69.35	17.817	1.02	23.82	0.68
5.833	0.91	11.833	69.35	17.833	1.02	23.83	0.68
5.850	0.91	11.850	69.35	17.850	1.02	23.85	0.68
5.867	0.91	11.867	69.35	17.867	1.02	23.87	0.68
5.883	0.91	11.883	69.35	17.883	1.02	23.88	0.68
5.900	0.91	11.900	69.35	17.900	1.02	23.90	0.68
5.917	0.91	11.917	69.35	17.917	1.02	23.92	0.68
5.933	0.91	11.933	69.35	17.933	1.02	23.93	0.68
5.950	0.91	11.950	69.35	17.950	1.02	23.95	0.68
5.967	0.91	11.967	69.35	17.967	1.02	23.97	0.68
5.983	0.91	11.983	69.35	17.983	1.02	23.98	0.68
6.000	0.91	12.000	69.35	18.000	1.02	24.00	0.68

Max.Eff.Inten.(mm/hr)= 69.35 11.92
over (min) 5.00 20.00
Storage Coeff. (min)= 2.75 (ii) 19.28 (ii)
Unit Hyd. Tpeak (min)= 5.00 20.00
Unit Hyd. peak (cms)= 0.32 0.06

TOTALS

PEAK FLOW (cms)= 0.05 0.02 0.058 (iii)
TIME TO PEAK (hrs)= 12.00 12.23 12.00
RUNOFF VOLUME (mm)= 54.66 10.09 19.89
TOTAL RAINFALL (mm)= 56.66 56.66 56.66
RUNOFF COEFFICIENT = 0.96 0.18 0.35

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0203)
ID= 1 DT= 1.0 min

Area (ha)= 17.16
Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	7.21	9.95
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.62	6.017	1.02	12.017	8.20	18.02	1.02
0.033	0.62	6.033	1.02	12.033	8.16	18.03	1.02
0.050	0.62	6.050	1.02	12.050	8.16	18.05	1.02
0.067	0.62	6.067	1.02	12.067	8.16	18.07	1.02
0.083	0.62	6.083	1.02	12.083	8.16	18.08	1.02
0.100	0.62	6.100	1.02	12.100	8.16	18.10	1.02
0.117	0.62	6.117	1.02	12.117	8.16	18.12	1.02
0.133	0.62	6.133	1.02	12.133	8.16	18.13	1.02
0.150	0.62	6.150	1.02	12.150	8.16	18.15	1.02
0.167	0.62	6.167	1.02	12.167	8.16	18.17	1.02
0.183	0.62	6.183	1.02	12.183	8.16	18.18	1.02
0.200	0.62	6.200	1.02	12.200	8.16	18.20	1.02
0.217	0.62	6.217	1.02	12.217	8.16	18.22	1.02
0.233	0.62	6.233	1.02	12.233	8.16	18.23	1.02
0.250	0.62	6.250	1.02	12.250	8.16	18.25	1.02

0.267	0.62	6.267	1.02	12.267	8.16	18.27	1.02
0.283	0.62	6.283	1.02	12.283	8.16	18.28	1.02
0.300	0.62	6.300	1.02	12.300	8.16	18.30	1.02
0.317	0.62	6.317	1.02	12.317	8.16	18.32	1.02
0.333	0.62	6.333	1.02	12.333	8.16	18.33	1.02
0.350	0.62	6.350	1.02	12.350	8.16	18.35	1.02
0.367	0.62	6.367	1.02	12.367	8.16	18.37	1.02
0.383	0.62	6.383	1.02	12.383	8.16	18.38	1.02
0.400	0.62	6.400	1.02	12.400	8.16	18.40	1.02
0.417	0.62	6.417	1.02	12.417	8.16	18.42	1.02
0.433	0.62	6.433	1.02	12.433	8.16	18.43	1.02
0.450	0.62	6.450	1.02	12.450	8.16	18.45	1.02
0.467	0.62	6.467	1.02	12.467	8.16	18.47	1.02
0.483	0.62	6.483	1.02	12.483	8.16	18.48	1.02
0.500	0.62	6.500	1.02	12.500	8.16	18.50	1.02
0.517	0.62	6.517	1.02	12.517	4.20	18.52	1.02
0.533	0.62	6.533	1.02	12.533	4.19	18.53	1.02
0.550	0.62	6.550	1.02	12.550	4.19	18.55	1.02
0.567	0.62	6.567	1.02	12.567	4.19	18.57	1.02
0.583	0.62	6.583	1.02	12.583	4.19	18.58	1.02
0.600	0.62	6.600	1.02	12.600	4.19	18.60	1.02
0.617	0.62	6.617	1.02	12.617	4.19	18.62	1.02
0.633	0.62	6.633	1.02	12.633	4.19	18.63	1.02
0.650	0.62	6.650	1.02	12.650	4.19	18.65	1.02
0.667	0.62	6.667	1.02	12.667	4.19	18.67	1.02
0.683	0.62	6.683	1.02	12.683	4.19	18.68	1.02
0.700	0.62	6.700	1.02	12.700	4.19	18.70	1.02
0.717	0.62	6.717	1.02	12.717	4.19	18.72	1.02
0.733	0.62	6.733	1.02	12.733	4.19	18.73	1.02
0.750	0.62	6.750	1.02	12.750	4.19	18.75	1.02
0.767	0.62	6.767	1.02	12.767	4.19	18.77	1.02
0.783	0.62	6.783	1.02	12.783	4.19	18.78	1.02
0.800	0.62	6.800	1.02	12.800	4.19	18.80	1.02
0.817	0.62	6.817	1.02	12.817	4.19	18.82	1.02
0.833	0.62	6.833	1.02	12.833	4.19	18.83	1.02
0.850	0.62	6.850	1.02	12.850	4.19	18.85	1.02
0.867	0.62	6.867	1.02	12.867	4.19	18.87	1.02
0.883	0.62	6.883	1.02	12.883	4.19	18.88	1.02
0.900	0.62	6.900	1.02	12.900	4.19	18.90	1.02
0.917	0.62	6.917	1.02	12.917	4.19	18.92	1.02
0.933	0.62	6.933	1.02	12.933	4.19	18.93	1.02
0.950	0.62	6.950	1.02	12.950	4.19	18.95	1.02
0.967	0.62	6.967	1.02	12.967	4.19	18.97	1.02
0.983	0.62	6.983	1.02	12.983	4.19	18.98	1.02
1.000	0.62	7.000	1.02	13.000	4.19	19.00	1.02
1.017	0.62	7.017	1.25	13.017	3.06	19.02	1.02
1.033	0.62	7.033	1.25	13.033	3.06	19.03	1.02
1.050	0.62	7.050	1.25	13.050	3.06	19.05	1.02
1.067	0.62	7.067	1.25	13.067	3.06	19.07	1.02
1.083	0.62	7.083	1.25	13.083	3.06	19.08	1.02
1.100	0.62	7.100	1.25	13.100	3.06	19.10	1.02
1.117	0.62	7.117	1.25	13.117	3.06	19.12	1.02
1.133	0.62	7.133	1.25	13.133	3.06	19.13	1.02
1.150	0.62	7.150	1.25	13.150	3.06	19.15	1.02
1.167	0.62	7.167	1.25	13.167	3.06	19.17	1.02
1.183	0.62	7.183	1.25	13.183	3.06	19.18	1.02
1.200	0.62	7.200	1.25	13.200	3.06	19.20	1.02
1.217	0.62	7.217	1.25	13.217	3.06	19.22	1.02
1.233	0.62	7.233	1.25	13.233	3.06	19.23	1.02
1.250	0.62	7.250	1.25	13.250	3.06	19.25	1.02
1.267	0.62	7.267	1.25	13.267	3.06	19.27	1.02
1.283	0.62	7.283	1.25	13.283	3.06	19.28	1.02
1.300	0.62	7.300	1.25	13.300	3.06	19.30	1.02
1.317	0.62	7.317	1.25	13.317	3.06	19.32	1.02
1.333	0.62	7.333	1.25	13.333	3.06	19.33	1.02
1.350	0.62	7.350	1.25	13.350	3.06	19.35	1.02
1.367	0.62	7.367	1.25	13.367	3.06	19.37	1.02
1.383	0.62	7.383	1.25	13.383	3.06	19.38	1.02
1.400	0.62	7.400	1.25	13.400	3.06	19.40	1.02
1.417	0.62	7.417	1.25	13.417	3.06	19.42	1.02
1.433	0.62	7.433	1.25	13.433	3.06	19.43	1.02
1.450	0.62	7.450	1.25	13.450	3.06	19.45	1.02
1.467	0.62	7.467	1.25	13.467	3.06	19.47	1.02
1.483	0.62	7.483	1.25	13.483	3.06	19.48	1.02
1.500	0.62	7.500	1.25	13.500	3.06	19.50	1.02
1.517	0.62	7.517	1.25	13.517	2.38	19.52	1.02
1.533	0.62	7.533	1.25	13.533	2.38	19.53	1.02
1.550	0.62	7.550	1.25	13.550	2.38	19.55	1.02
1.567	0.62	7.567	1.25	13.567	2.38	19.57	1.02
1.583	0.62	7.583	1.25	13.583	2.38	19.58	1.02
1.600	0.62	7.600	1.25	13.600	2.38	19.60	1.02
1.617	0.62	7.617	1.25	13.617	2.38	19.62	1.02
1.633	0.62	7.633	1.25	13.633	2.38	19.63	1.02
1.650	0.62	7.650	1.25	13.650	2.38	19.65	1.02

1.667	0.62	7.667	1.25	13.667	2.38	19.67	1.02
1.683	0.62	7.683	1.25	13.683	2.38	19.68	1.02
1.700	0.62	7.700	1.25	13.700	2.38	19.70	1.02
1.717	0.62	7.717	1.25	13.717	2.38	19.72	1.02
1.733	0.62	7.733	1.25	13.733	2.38	19.73	1.02
1.750	0.62	7.750	1.25	13.750	2.38	19.75	1.02
1.767	0.62	7.767	1.25	13.767	2.38	19.77	1.02
1.783	0.62	7.783	1.25	13.783	2.38	19.78	1.02
1.800	0.62	7.800	1.25	13.800	2.38	19.80	1.02
1.817	0.62	7.817	1.25	13.817	2.38	19.82	1.02
1.833	0.62	7.833	1.25	13.833	2.38	19.83	1.02
1.850	0.62	7.850	1.25	13.850	2.38	19.85	1.02
1.867	0.62	7.867	1.25	13.867	2.38	19.87	1.02
1.883	0.62	7.883	1.25	13.883	2.38	19.88	1.02
1.900	0.62	7.900	1.25	13.900	2.38	19.90	1.02
1.917	0.62	7.917	1.25	13.917	2.38	19.92	1.02
1.933	0.62	7.933	1.25	13.933	2.38	19.93	1.02
1.950	0.62	7.950	1.25	13.950	2.38	19.95	1.02
1.967	0.62	7.967	1.25	13.967	2.38	19.97	1.02
1.983	0.62	7.983	1.25	13.983	2.38	19.98	1.02
2.000	0.62	8.000	1.25	14.000	2.38	20.00	1.02
2.017	0.74	8.017	1.47	14.017	1.70	20.02	0.68
2.033	0.74	8.033	1.47	14.033	1.70	20.03	0.68
2.050	0.74	8.050	1.47	14.050	1.70	20.05	0.68
2.067	0.74	8.067	1.47	14.067	1.70	20.07	0.68
2.083	0.74	8.083	1.47	14.083	1.70	20.08	0.68
2.100	0.74	8.100	1.47	14.100	1.70	20.10	0.68
2.117	0.74	8.117	1.47	14.117	1.70	20.12	0.68
2.133	0.74	8.133	1.47	14.133	1.70	20.13	0.68
2.150	0.74	8.150	1.47	14.150	1.70	20.15	0.68
2.167	0.74	8.167	1.47	14.167	1.70	20.17	0.68
2.183	0.74	8.183	1.47	14.183	1.70	20.18	0.68
2.200	0.74	8.200	1.47	14.200	1.70	20.20	0.68
2.217	0.74	8.217	1.47	14.217	1.70	20.22	0.68
2.233	0.74	8.233	1.47	14.233	1.70	20.23	0.68
2.250	0.74	8.250	1.47	14.250	1.70	20.25	0.68
2.267	0.74	8.267	1.47	14.267	1.70	20.27	0.68
2.283	0.74	8.283	1.47	14.283	1.70	20.28	0.68
2.300	0.74	8.300	1.47	14.300	1.70	20.30	0.68
2.317	0.74	8.317	1.47	14.317	1.70	20.32	0.68
2.333	0.74	8.333	1.47	14.333	1.70	20.33	0.68
2.350	0.74	8.350	1.47	14.350	1.70	20.35	0.68
2.367	0.74	8.367	1.47	14.367	1.70	20.37	0.68
2.383	0.74	8.383	1.47	14.383	1.70	20.38	0.68
2.400	0.74	8.400	1.47	14.400	1.70	20.40	0.68
2.417	0.74	8.417	1.47	14.417	1.70	20.42	0.68
2.433	0.74	8.433	1.47	14.433	1.70	20.43	0.68
2.450	0.74	8.450	1.47	14.450	1.70	20.45	0.68
2.467	0.74	8.467	1.47	14.467	1.70	20.47	0.68
2.483	0.74	8.483	1.47	14.483	1.70	20.48	0.68
2.500	0.74	8.500	1.47	14.500	1.70	20.50	0.68
2.517	0.74	8.517	1.59	14.517	1.70	20.52	0.68
2.533	0.74	8.533	1.59	14.533	1.70	20.53	0.68
2.550	0.74	8.550	1.59	14.550	1.70	20.55	0.68
2.567	0.74	8.567	1.59	14.567	1.70	20.57	0.68
2.583	0.74	8.583	1.59	14.583	1.70	20.58	0.68
2.600	0.74	8.600	1.59	14.600	1.70	20.60	0.68
2.617	0.74	8.617	1.59	14.617	1.70	20.62	0.68
2.633	0.74	8.633	1.59	14.633	1.70	20.63	0.68
2.650	0.74	8.650	1.59	14.650	1.70	20.65	0.68
2.667	0.74	8.667	1.59	14.667	1.70	20.67	0.68
2.683	0.74	8.683	1.59	14.683	1.70	20.68	0.68
2.700	0.74	8.700	1.59	14.700	1.70	20.70	0.68
2.717	0.74	8.717	1.59	14.717	1.70	20.72	0.68
2.733	0.74	8.733	1.59	14.733	1.70	20.73	0.68
2.750	0.74	8.750	1.59	14.750	1.70	20.75	0.68
2.767	0.74	8.767	1.59	14.767	1.70	20.77	0.68
2.783	0.74	8.783	1.59	14.783	1.70	20.78	0.68
2.800	0.74	8.800	1.59	14.800	1.70	20.80	0.68
2.817	0.74	8.817	1.59	14.817	1.70	20.82	0.68
2.833	0.74	8.833	1.59	14.833	1.70	20.83	0.68
2.850	0.74	8.850	1.59	14.850	1.70	20.85	0.68
2.867	0.74	8.867	1.59	14.867	1.70	20.87	0.68
2.883	0.74	8.883	1.59	14.883	1.70	20.88	0.68
2.900	0.74	8.900	1.59	14.900	1.70	20.90	0.68
2.917	0.74	8.917	1.59	14.917	1.70	20.92	0.68
2.933	0.74	8.933	1.59	14.933	1.70	20.93	0.68
2.950	0.74	8.950	1.59	14.950	1.70	20.95	0.68
2.967	0.74	8.967	1.59	14.967	1.70	20.97	0.68
2.983	0.74	8.983	1.59	14.983	1.70	20.98	0.68
3.000	0.74	9.000	1.59	15.000	1.70	21.00	0.68
3.017	0.74	9.017	1.81	15.017	1.70	21.02	0.68
3.033	0.74	9.033	1.81	15.033	1.70	21.03	0.68
3.050	0.74	9.050	1.81	15.050	1.70	21.05	0.68

3.067	0.74	9.067	1.81	15.067	1.70	21.07	0.68
3.083	0.74	9.083	1.81	15.083	1.70	21.08	0.68
3.100	0.74	9.100	1.81	15.100	1.70	21.10	0.68
3.117	0.74	9.117	1.81	15.117	1.70	21.12	0.68
3.133	0.74	9.133	1.81	15.133	1.70	21.13	0.68
3.150	0.74	9.150	1.81	15.150	1.70	21.15	0.68
3.167	0.74	9.167	1.81	15.167	1.70	21.17	0.68
3.183	0.74	9.183	1.81	15.183	1.70	21.18	0.68
3.200	0.74	9.200	1.81	15.200	1.70	21.20	0.68
3.217	0.74	9.217	1.81	15.217	1.70	21.22	0.68
3.233	0.74	9.233	1.81	15.233	1.70	21.23	0.68
3.250	0.74	9.250	1.81	15.250	1.70	21.25	0.68
3.267	0.74	9.267	1.81	15.267	1.70	21.27	0.68
3.283	0.74	9.283	1.81	15.283	1.70	21.28	0.68
3.300	0.74	9.300	1.81	15.300	1.70	21.30	0.68
3.317	0.74	9.317	1.81	15.317	1.70	21.32	0.68
3.333	0.74	9.333	1.81	15.333	1.70	21.33	0.68
3.350	0.74	9.350	1.81	15.350	1.70	21.35	0.68
3.367	0.74	9.367	1.81	15.367	1.70	21.37	0.68
3.383	0.74	9.383	1.81	15.383	1.70	21.38	0.68
3.400	0.74	9.400	1.81	15.400	1.70	21.40	0.68
3.417	0.74	9.417	1.81	15.417	1.70	21.42	0.68
3.433	0.74	9.433	1.81	15.433	1.70	21.43	0.68
3.450	0.74	9.450	1.81	15.450	1.70	21.45	0.68
3.467	0.74	9.467	1.81	15.467	1.70	21.47	0.68
3.483	0.74	9.483	1.81	15.483	1.70	21.48	0.68
3.500	0.74	9.500	1.81	15.500	1.70	21.50	0.68
3.517	0.74	9.517	2.04	15.517	1.70	21.52	0.68
3.533	0.74	9.533	2.04	15.533	1.70	21.53	0.68
3.550	0.74	9.550	2.04	15.550	1.70	21.55	0.68
3.567	0.74	9.567	2.04	15.567	1.70	21.57	0.68
3.583	0.74	9.583	2.04	15.583	1.70	21.58	0.68
3.600	0.74	9.600	2.04	15.600	1.70	21.60	0.68
3.617	0.74	9.617	2.04	15.617	1.70	21.62	0.68
3.633	0.74	9.633	2.04	15.633	1.70	21.63	0.68
3.650	0.74	9.650	2.04	15.650	1.70	21.65	0.68
3.667	0.74	9.667	2.04	15.667	1.70	21.67	0.68
3.683	0.74	9.683	2.04	15.683	1.70	21.68	0.68
3.700	0.74	9.700	2.04	15.700	1.70	21.70	0.68
3.717	0.74	9.717	2.04	15.717	1.70	21.72	0.68
3.733	0.74	9.733	2.04	15.733	1.70	21.73	0.68
3.750	0.74	9.750	2.04	15.750	1.70	21.75	0.68
3.767	0.74	9.767	2.04	15.767	1.70	21.77	0.68
3.783	0.74	9.783	2.04	15.783	1.70	21.78	0.68
3.800	0.74	9.800	2.04	15.800	1.70	21.80	0.68
3.817	0.74	9.817	2.04	15.817	1.70	21.82	0.68
3.833	0.74	9.833	2.04	15.833	1.70	21.83	0.68
3.850	0.74	9.850	2.04	15.850	1.70	21.85	0.68
3.867	0.74	9.867	2.04	15.867	1.70	21.87	0.68
3.883	0.74	9.883	2.04	15.883	1.70	21.88	0.68
3.900	0.74	9.900	2.04	15.900	1.70	21.90	0.68
3.917	0.74	9.917	2.04	15.917	1.70	21.92	0.68
3.933	0.74	9.933	2.04	15.933	1.70	21.93	0.68
3.950	0.74	9.950	2.04	15.950	1.70	21.95	0.68
3.967	0.74	9.967	2.04	15.967	1.70	21.97	0.68
3.983	0.74	9.983	2.04	15.983	1.70	21.98	0.68
4.000	0.74	10.000	2.04	16.000	1.70	22.00	0.68
4.017	0.91	10.017	2.61	16.017	1.02	22.02	0.68
4.033	0.91	10.033	2.61	16.033	1.02	22.03	0.68
4.050	0.91	10.050	2.61	16.050	1.02	22.05	0.68
4.067	0.91	10.067	2.61	16.067	1.02	22.07	0.68
4.083	0.91	10.083	2.61	16.083	1.02	22.08	0.68
4.100	0.91	10.100	2.61	16.100	1.02	22.10	0.68
4.117	0.91	10.117	2.61	16.117	1.02	22.12	0.68
4.133	0.91	10.133	2.61	16.133	1.02	22.13	0.68
4.150	0.91	10.150	2.61	16.150	1.02	22.15	0.68
4.167	0.91	10.167	2.61	16.167	1.02	22.17	0.68
4.183	0.91	10.183	2.61	16.183	1.02	22.18	0.68
4.200	0.91	10.200	2.61	16.200	1.02	22.20	0.68
4.217	0.91	10.217	2.61	16.217	1.02	22.22	0.68
4.233	0.91	10.233	2.61	16.233	1.02	22.23	0.68
4.250	0.91	10.250	2.61	16.250	1.02	22.25	0.68
4.267	0.91	10.267	2.61	16.267	1.02	22.27	0.68
4.283	0.91	10.283	2.61	16.283	1.02	22.28	0.68
4.300	0.91	10.300	2.61	16.300	1.02	22.30	0.68
4.317	0.91	10.317	2.61	16.317	1.02	22.32	0.68
4.333	0.91	10.333	2.61	16.333	1.02	22.33	0.68
4.350	0.91	10.350	2.61	16.350	1.02	22.35	0.68
4.367	0.91	10.367	2.61	16.367	1.02	22.37	0.68
4.383	0.91	10.383	2.61	16.383	1.02	22.38	0.68
4.400	0.91	10.400	2.61	16.400	1.02	22.40	0.68
4.417	0.91	10.417	2.61	16.417	1.02	22.42	0.68
4.433	0.91	10.433	2.61	16.433	1.02	22.43	0.68
4.450	0.91	10.450	2.61	16.450	1.02	22.45	0.68

4.467	0.91	10.467	2.61	16.467	1.02	22.47	0.68
4.483	0.91	10.483	2.61	16.483	1.02	22.48	0.68
4.500	0.91	10.500	2.61	16.500	1.02	22.50	0.68
4.517	0.91	10.517	3.51	16.517	1.02	22.52	0.68
4.533	0.91	10.533	3.51	16.533	1.02	22.53	0.68
4.550	0.91	10.550	3.51	16.550	1.02	22.55	0.68
4.567	0.91	10.567	3.51	16.567	1.02	22.57	0.68
4.583	0.91	10.583	3.51	16.583	1.02	22.58	0.68
4.600	0.91	10.600	3.51	16.600	1.02	22.60	0.68
4.617	0.91	10.617	3.51	16.617	1.02	22.62	0.68
4.633	0.91	10.633	3.51	16.633	1.02	22.63	0.68
4.650	0.91	10.650	3.51	16.650	1.02	22.65	0.68
4.667	0.91	10.667	3.51	16.667	1.02	22.67	0.68
4.683	0.91	10.683	3.51	16.683	1.02	22.68	0.68
4.700	0.91	10.700	3.51	16.700	1.02	22.70	0.68
4.717	0.91	10.717	3.51	16.717	1.02	22.72	0.68
4.733	0.91	10.733	3.51	16.733	1.02	22.73	0.68
4.750	0.91	10.750	3.51	16.750	1.02	22.75	0.68
4.767	0.91	10.767	3.51	16.767	1.02	22.77	0.68
4.783	0.91	10.783	3.51	16.783	1.02	22.78	0.68
4.800	0.91	10.800	3.51	16.800	1.02	22.80	0.68
4.817	0.91	10.817	3.51	16.817	1.02	22.82	0.68
4.833	0.91	10.833	3.51	16.833	1.02	22.83	0.68
4.850	0.91	10.850	3.51	16.850	1.02	22.85	0.68
4.867	0.91	10.867	3.51	16.867	1.02	22.87	0.68
4.883	0.91	10.883	3.51	16.883	1.02	22.88	0.68
4.900	0.91	10.900	3.51	16.900	1.02	22.90	0.68
4.917	0.91	10.917	3.51	16.917	1.02	22.92	0.68
4.933	0.91	10.933	3.51	16.933	1.02	22.93	0.68
4.950	0.91	10.950	3.51	16.950	1.02	22.95	0.68
4.967	0.91	10.967	3.51	16.967	1.02	22.97	0.68
4.983	0.91	10.983	3.51	16.983	1.02	22.98	0.68
5.000	0.91	11.000	3.51	17.000	1.02	23.00	0.68
5.017	0.91	11.017	5.44	17.017	1.02	23.02	0.68
5.033	0.91	11.033	5.44	17.033	1.02	23.03	0.68
5.050	0.91	11.050	5.44	17.050	1.02	23.05	0.68
5.067	0.91	11.067	5.44	17.067	1.02	23.07	0.68
5.083	0.91	11.083	5.44	17.083	1.02	23.08	0.68
5.100	0.91	11.100	5.44	17.100	1.02	23.10	0.68
5.117	0.91	11.117	5.44	17.117	1.02	23.12	0.68
5.133	0.91	11.133	5.44	17.133	1.02	23.13	0.68
5.150	0.91	11.150	5.44	17.150	1.02	23.15	0.68
5.167	0.91	11.167	5.44	17.167	1.02	23.17	0.68
5.183	0.91	11.183	5.44	17.183	1.02	23.18	0.68
5.200	0.91	11.200	5.44	17.200	1.02	23.20	0.68
5.217	0.91	11.217	5.44	17.217	1.02	23.22	0.68
5.233	0.91	11.233	5.44	17.233	1.02	23.23	0.68
5.250	0.91	11.250	5.44	17.250	1.02	23.25	0.68
5.267	0.91	11.267	5.44	17.267	1.02	23.27	0.68
5.283	0.91	11.283	5.44	17.283	1.02	23.28	0.68
5.300	0.91	11.300	5.44	17.300	1.02	23.30	0.68
5.317	0.91	11.317	5.44	17.317	1.02	23.32	0.68
5.333	0.91	11.333	5.44	17.333	1.02	23.33	0.68
5.350	0.91	11.350	5.44	17.350	1.02	23.35	0.68
5.367	0.91	11.367	5.44	17.367	1.02	23.37	0.68
5.383	0.91	11.383	5.44	17.383	1.02	23.38	0.68
5.400	0.91	11.400	5.44	17.400	1.02	23.40	0.68
5.417	0.91	11.417	5.44	17.417	1.02	23.42	0.68
5.433	0.91	11.433	5.44	17.433	1.02	23.43	0.68
5.450	0.91	11.450	5.44	17.450	1.02	23.45	0.68
5.467	0.91	11.467	5.44	17.467	1.02	23.47	0.68
5.483	0.91	11.483	5.44	17.483	1.02	23.48	0.68
5.500	0.91	11.500	5.44	17.500	1.02	23.50	0.68
5.517	0.91	11.517	16.77	17.517	1.02	23.52	0.68
5.533	0.91	11.533	16.77	17.533	1.02	23.53	0.68
5.550	0.91	11.550	16.77	17.550	1.02	23.55	0.68
5.567	0.91	11.567	16.77	17.567	1.02	23.57	0.68
5.583	0.91	11.583	16.77	17.583	1.02	23.58	0.68
5.600	0.91	11.600	16.77	17.600	1.02	23.60	0.68
5.617	0.91	11.617	16.77	17.617	1.02	23.62	0.68
5.633	0.91	11.633	16.77	17.633	1.02	23.63	0.68
5.650	0.91	11.650	16.77	17.650	1.02	23.65	0.68
5.667	0.91	11.667	16.77	17.667	1.02	23.67	0.68
5.683	0.91	11.683	16.77	17.683	1.02	23.68	0.68
5.700	0.91	11.700	16.77	17.700	1.02	23.70	0.68
5.717	0.91	11.717	16.77	17.717	1.02	23.72	0.68
5.733	0.91	11.733	16.77	17.733	1.02	23.73	0.68
5.750	0.91	11.750	16.77	17.750	1.02	23.75	0.68
5.767	0.91	11.767	69.35	17.767	1.02	23.77	0.68
5.783	0.91	11.783	69.35	17.783	1.02	23.78	0.68
5.800	0.91	11.800	69.35	17.800	1.02	23.80	0.68
5.817	0.91	11.817	69.35	17.817	1.02	23.82	0.68
5.833	0.91	11.833	69.35	17.833	1.02	23.83	0.68
5.850	0.91	11.850	69.35	17.850	1.02	23.85	0.68

5.867	0.91	11.867	69.35	17.867	1.02	23.87	0.68
5.883	0.91	11.883	69.35	17.883	1.02	23.88	0.68
5.900	0.91	11.900	69.35	17.900	1.02	23.90	0.68
5.917	0.91	11.917	69.35	17.917	1.02	23.92	0.68
5.933	0.91	11.933	69.35	17.933	1.02	23.93	0.68
5.950	0.91	11.950	69.35	17.950	1.02	23.95	0.68
5.967	0.91	11.967	69.35	17.967	1.02	23.97	0.68
5.983	0.91	11.983	69.35	17.983	1.02	23.98	0.68
6.000	0.91	12.000	69.35	18.000	1.02	24.00	0.68

Max.Eff.Inten.(mm/hr)= 69.35 19.34
over (min) 5.00 19.00
Storage Coeff. (min)= 5.34 (ii) 18.95 (ii)
Unit Hyd. Tpeak (min)= 5.00 19.00
Unit Hyd. peak (cms)= 0.22 0.06

TOTALS

PEAK FLOW (cms)= 0.92 0.26 1.068 (iii)
TIME TO PEAK (hrs)= 12.00 12.22 12.02
RUNOFF VOLUME (mm)= 54.65 11.90 24.73
TOTAL RAINFALL (mm)= 56.66 56.66 56.66
RUNOFF COEFFICIENT = 0.96 0.21 0.44

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)					
1 + 2 = 3					
	AREA	QPEAK	TPEAK	R.V.	
	(ha)	(cms)	(hrs)	(mm)	
ID1= 1 (0012):	1.18	0.058	12.00	19.89	
+ ID2= 2 (0203):	17.16	1.068	12.02	24.73	
=====					
ID = 3 (0082):	18.34	1.126	12.02	24.42	

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)		OVERFLOW IS OFF			
IN= 2----> OUT= 1					
DT= 5.0 min					
	OUTFLOW	STORAGE	OUTFLOW	STORAGE	
	(cms)	(ha.m.)	(cms)	(ha.m.)	
	0.0000	0.0000	0.0940	0.3600	
	0.0120	0.2100	0.1210	0.4000	
	0.0550	0.2600	0.1500	0.4500	
	0.0620	0.3000	0.3000	0.7210	
	AREA	QPEAK	TPEAK	R.V.	
	(ha)	(cms)	(hrs)	(mm)	
INFLOW : ID= 2 (0082)	18.340	1.126	12.02	24.42	
OUTFLOW: ID= 1 (0002)	18.340	0.061	14.13	14.37	

PEAK FLOW REDUCTION [Qout/Qin](%)= 5.43
TIME SHIFT OF PEAK FLOW (min)=127.00
MAXIMUM STORAGE USED (ha.m.)= 0.2948

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)					
1 + 2 = 3					
	AREA	QPEAK	TPEAK	R.V.	
	(ha)	(cms)	(hrs)	(mm)	
ID1= 1 (0017):	31.32	0.512	12.33	12.02	
+ ID2= 2 (0002):	18.34	0.061	14.13	14.37	
=====					
ID = 3 (0089):	49.66	0.549	12.37	12.89	

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:4.2 SCS II 24hr 5yr **

CALIB			
NASHYD (0087)		Area (ha)= 15.86	Curve Number (CN)= 62.0
ID= 1 DT= 1.0 min		Ia (mm)= 4.60	# of Linear Res.(N)= 3.00
		U.H. Tp(hrs)= 0.40	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.81	6.017	1.33	12.017	10.67	18.02	1.33
0.033	0.81	6.033	1.33	12.033	10.61	18.03	1.33
0.050	0.81	6.050	1.33	12.050	10.61	18.05	1.33
0.067	0.81	6.067	1.33	12.067	10.61	18.07	1.33
0.083	0.81	6.083	1.33	12.083	10.61	18.08	1.33
0.100	0.81	6.100	1.33	12.100	10.61	18.10	1.33
0.117	0.81	6.117	1.33	12.117	10.61	18.12	1.33
0.133	0.81	6.133	1.33	12.133	10.61	18.13	1.33
0.150	0.81	6.150	1.33	12.150	10.61	18.15	1.33
0.167	0.81	6.167	1.33	12.167	10.61	18.17	1.33
0.183	0.81	6.183	1.33	12.183	10.61	18.18	1.33
0.200	0.81	6.200	1.33	12.200	10.61	18.20	1.33
0.217	0.81	6.217	1.33	12.217	10.61	18.22	1.33
0.233	0.81	6.233	1.33	12.233	10.61	18.23	1.33
0.250	0.81	6.250	1.33	12.250	10.61	18.25	1.33
0.267	0.81	6.267	1.33	12.267	10.61	18.27	1.33
0.283	0.81	6.283	1.33	12.283	10.61	18.28	1.33
0.300	0.81	6.300	1.33	12.300	10.61	18.30	1.33
0.317	0.81	6.317	1.33	12.317	10.61	18.32	1.33
0.333	0.81	6.333	1.33	12.333	10.61	18.33	1.33
0.350	0.81	6.350	1.33	12.350	10.61	18.35	1.33
0.367	0.81	6.367	1.33	12.367	10.61	18.37	1.33
0.383	0.81	6.383	1.33	12.383	10.61	18.38	1.33
0.400	0.81	6.400	1.33	12.400	10.61	18.40	1.33
0.417	0.81	6.417	1.33	12.417	10.61	18.42	1.33
0.433	0.81	6.433	1.33	12.433	10.61	18.43	1.33
0.450	0.81	6.450	1.33	12.450	10.61	18.45	1.33
0.467	0.81	6.467	1.33	12.467	10.61	18.47	1.33
0.483	0.81	6.483	1.33	12.483	10.61	18.48	1.33
0.500	0.81	6.500	1.33	12.500	10.61	18.50	1.33
0.517	0.81	6.517	1.33	12.517	5.46	18.52	1.33
0.533	0.81	6.533	1.33	12.533	5.45	18.53	1.33
0.550	0.81	6.550	1.33	12.550	5.45	18.55	1.33
0.567	0.81	6.567	1.33	12.567	5.45	18.57	1.33
0.583	0.81	6.583	1.33	12.583	5.45	18.58	1.33
0.600	0.81	6.600	1.33	12.600	5.45	18.60	1.33
0.617	0.81	6.617	1.33	12.617	5.45	18.62	1.33
0.633	0.81	6.633	1.33	12.633	5.45	18.63	1.33
0.650	0.81	6.650	1.33	12.650	5.45	18.65	1.33
0.667	0.81	6.667	1.33	12.667	5.45	18.67	1.33
0.683	0.81	6.683	1.33	12.683	5.45	18.68	1.33
0.700	0.81	6.700	1.33	12.700	5.45	18.70	1.33
0.717	0.81	6.717	1.33	12.717	5.45	18.72	1.33
0.733	0.81	6.733	1.33	12.733	5.45	18.73	1.33
0.750	0.81	6.750	1.33	12.750	5.45	18.75	1.33
0.767	0.81	6.767	1.33	12.767	5.45	18.77	1.33
0.783	0.81	6.783	1.33	12.783	5.45	18.78	1.33
0.800	0.81	6.800	1.33	12.800	5.45	18.80	1.33
0.817	0.81	6.817	1.33	12.817	5.45	18.82	1.33
0.833	0.81	6.833	1.33	12.833	5.45	18.83	1.33
0.850	0.81	6.850	1.33	12.850	5.45	18.85	1.33
0.867	0.81	6.867	1.33	12.867	5.45	18.87	1.33
0.883	0.81	6.883	1.33	12.883	5.45	18.88	1.33
0.900	0.81	6.900	1.33	12.900	5.45	18.90	1.33
0.917	0.81	6.917	1.33	12.917	5.45	18.92	1.33
0.933	0.81	6.933	1.33	12.933	5.45	18.93	1.33
0.950	0.81	6.950	1.33	12.950	5.45	18.95	1.33
0.967	0.81	6.967	1.33	12.967	5.45	18.97	1.33
0.983	0.81	6.983	1.33	12.983	5.45	18.98	1.33
1.000	0.81	7.000	1.33	13.000	5.45	19.00	1.33
1.017	0.81	7.017	1.62	13.017	3.98	19.02	1.33
1.033	0.81	7.033	1.62	13.033	3.98	19.03	1.33
1.050	0.81	7.050	1.62	13.050	3.98	19.05	1.33
1.067	0.81	7.067	1.62	13.067	3.98	19.07	1.33
1.083	0.81	7.083	1.62	13.083	3.98	19.08	1.33
1.100	0.81	7.100	1.62	13.100	3.98	19.10	1.33
1.117	0.81	7.117	1.62	13.117	3.98	19.12	1.33
1.133	0.81	7.133	1.62	13.133	3.98	19.13	1.33
1.150	0.81	7.150	1.62	13.150	3.98	19.15	1.33
1.167	0.81	7.167	1.62	13.167	3.98	19.17	1.33
1.183	0.81	7.183	1.62	13.183	3.98	19.18	1.33
1.200	0.81	7.200	1.62	13.200	3.98	19.20	1.33
1.217	0.81	7.217	1.62	13.217	3.98	19.22	1.33
1.233	0.81	7.233	1.62	13.233	3.98	19.23	1.33
1.250	0.81	7.250	1.62	13.250	3.98	19.25	1.33
1.267	0.81	7.267	1.62	13.267	3.98	19.27	1.33
1.283	0.81	7.283	1.62	13.283	3.98	19.28	1.33
1.300	0.81	7.300	1.62	13.300	3.98	19.30	1.33

1.317	0.81	7.317	1.62	13.317	3.98	19.32	1.33
1.333	0.81	7.333	1.62	13.333	3.98	19.33	1.33
1.350	0.81	7.350	1.62	13.350	3.98	19.35	1.33
1.367	0.81	7.367	1.62	13.367	3.98	19.37	1.33
1.383	0.81	7.383	1.62	13.383	3.98	19.38	1.33
1.400	0.81	7.400	1.62	13.400	3.98	19.40	1.33
1.417	0.81	7.417	1.62	13.417	3.98	19.42	1.33
1.433	0.81	7.433	1.62	13.433	3.98	19.43	1.33
1.450	0.81	7.450	1.62	13.450	3.98	19.45	1.33
1.467	0.81	7.467	1.62	13.467	3.98	19.47	1.33
1.483	0.81	7.483	1.62	13.483	3.98	19.48	1.33
1.500	0.81	7.500	1.62	13.500	3.98	19.50	1.33
1.517	0.81	7.517	1.62	13.517	3.10	19.52	1.33
1.533	0.81	7.533	1.62	13.533	3.09	19.53	1.33
1.550	0.81	7.550	1.62	13.550	3.09	19.55	1.33
1.567	0.81	7.567	1.62	13.567	3.09	19.57	1.33
1.583	0.81	7.583	1.62	13.583	3.09	19.58	1.33
1.600	0.81	7.600	1.62	13.600	3.09	19.60	1.33
1.617	0.81	7.617	1.62	13.617	3.09	19.62	1.33
1.633	0.81	7.633	1.62	13.633	3.09	19.63	1.33
1.650	0.81	7.650	1.62	13.650	3.09	19.65	1.33
1.667	0.81	7.667	1.62	13.667	3.09	19.67	1.33
1.683	0.81	7.683	1.62	13.683	3.09	19.68	1.33
1.700	0.81	7.700	1.62	13.700	3.09	19.70	1.33
1.717	0.81	7.717	1.62	13.717	3.09	19.72	1.33
1.733	0.81	7.733	1.62	13.733	3.09	19.73	1.33
1.750	0.81	7.750	1.62	13.750	3.09	19.75	1.33
1.767	0.81	7.767	1.62	13.767	3.09	19.77	1.33
1.783	0.81	7.783	1.62	13.783	3.09	19.78	1.33
1.800	0.81	7.800	1.62	13.800	3.09	19.80	1.33
1.817	0.81	7.817	1.62	13.817	3.09	19.82	1.33
1.833	0.81	7.833	1.62	13.833	3.09	19.83	1.33
1.850	0.81	7.850	1.62	13.850	3.09	19.85	1.33
1.867	0.81	7.867	1.62	13.867	3.09	19.87	1.33
1.883	0.81	7.883	1.62	13.883	3.09	19.88	1.33
1.900	0.81	7.900	1.62	13.900	3.09	19.90	1.33
1.917	0.81	7.917	1.62	13.917	3.09	19.92	1.33
1.933	0.81	7.933	1.62	13.933	3.09	19.93	1.33
1.950	0.81	7.950	1.62	13.950	3.09	19.95	1.33
1.967	0.81	7.967	1.62	13.967	3.09	19.97	1.33
1.983	0.81	7.983	1.62	13.983	3.09	19.98	1.33
2.000	0.81	8.000	1.62	14.000	3.09	20.00	1.33
2.017	0.96	8.017	1.92	14.017	2.21	20.02	0.89
2.033	0.96	8.033	1.92	14.033	2.21	20.03	0.88
2.050	0.96	8.050	1.92	14.050	2.21	20.05	0.88
2.067	0.96	8.067	1.92	14.067	2.21	20.07	0.88
2.083	0.96	8.083	1.92	14.083	2.21	20.08	0.88
2.100	0.96	8.100	1.92	14.100	2.21	20.10	0.88
2.117	0.96	8.117	1.92	14.117	2.21	20.12	0.88
2.133	0.96	8.133	1.92	14.133	2.21	20.13	0.88
2.150	0.96	8.150	1.92	14.150	2.21	20.15	0.88
2.167	0.96	8.167	1.92	14.167	2.21	20.17	0.88
2.183	0.96	8.183	1.92	14.183	2.21	20.18	0.88
2.200	0.96	8.200	1.92	14.200	2.21	20.20	0.88
2.217	0.96	8.217	1.92	14.217	2.21	20.22	0.88
2.233	0.96	8.233	1.92	14.233	2.21	20.23	0.88
2.250	0.96	8.250	1.92	14.250	2.21	20.25	0.88
2.267	0.96	8.267	1.92	14.267	2.21	20.27	0.88
2.283	0.96	8.283	1.92	14.283	2.21	20.28	0.88
2.300	0.96	8.300	1.92	14.300	2.21	20.30	0.88
2.317	0.96	8.317	1.92	14.317	2.21	20.32	0.88
2.333	0.96	8.333	1.92	14.333	2.21	20.33	0.88
2.350	0.96	8.350	1.92	14.350	2.21	20.35	0.88
2.367	0.96	8.367	1.92	14.367	2.21	20.37	0.88
2.383	0.96	8.383	1.92	14.383	2.21	20.38	0.88
2.400	0.96	8.400	1.92	14.400	2.21	20.40	0.88
2.417	0.96	8.417	1.92	14.417	2.21	20.42	0.88
2.433	0.96	8.433	1.92	14.433	2.21	20.43	0.88
2.450	0.96	8.450	1.92	14.450	2.21	20.45	0.88
2.467	0.96	8.467	1.92	14.467	2.21	20.47	0.88
2.483	0.96	8.483	1.92	14.483	2.21	20.48	0.88
2.500	0.96	8.500	1.92	14.500	2.21	20.50	0.88
2.517	0.96	8.517	2.06	14.517	2.21	20.52	0.88
2.533	0.96	8.533	2.06	14.533	2.21	20.53	0.88
2.550	0.96	8.550	2.06	14.550	2.21	20.55	0.88
2.567	0.96	8.567	2.06	14.567	2.21	20.57	0.88
2.583	0.96	8.583	2.06	14.583	2.21	20.58	0.88
2.600	0.96	8.600	2.06	14.600	2.21	20.60	0.88
2.617	0.96	8.617	2.06	14.617	2.21	20.62	0.88
2.633	0.96	8.633	2.06	14.633	2.21	20.63	0.88
2.650	0.96	8.650	2.06	14.650	2.21	20.65	0.88
2.667	0.96	8.667	2.06	14.667	2.21	20.67	0.88
2.683	0.96	8.683	2.06	14.683	2.21	20.68	0.88
2.700	0.96	8.700	2.06	14.700	2.21	20.70	0.88

2.717	0.96	8.717	2.06	14.717	2.21	20.72	0.88
2.733	0.96	8.733	2.06	14.733	2.21	20.73	0.88
2.750	0.96	8.750	2.06	14.750	2.21	20.75	0.88
2.767	0.96	8.767	2.06	14.767	2.21	20.77	0.88
2.783	0.96	8.783	2.06	14.783	2.21	20.78	0.88
2.800	0.96	8.800	2.06	14.800	2.21	20.80	0.88
2.817	0.96	8.817	2.06	14.817	2.21	20.82	0.88
2.833	0.96	8.833	2.06	14.833	2.21	20.83	0.88
2.850	0.96	8.850	2.06	14.850	2.21	20.85	0.88
2.867	0.96	8.867	2.06	14.867	2.21	20.87	0.88
2.883	0.96	8.883	2.06	14.883	2.21	20.88	0.88
2.900	0.96	8.900	2.06	14.900	2.21	20.90	0.88
2.917	0.96	8.917	2.06	14.917	2.21	20.92	0.88
2.933	0.96	8.933	2.06	14.933	2.21	20.93	0.88
2.950	0.96	8.950	2.06	14.950	2.21	20.95	0.88
2.967	0.96	8.967	2.06	14.967	2.21	20.97	0.88
2.983	0.96	8.983	2.06	14.983	2.21	20.98	0.88
3.000	0.96	9.000	2.06	15.000	2.21	21.00	0.88
3.017	0.96	9.017	2.36	15.017	2.21	21.02	0.88
3.033	0.96	9.033	2.36	15.033	2.21	21.03	0.88
3.050	0.96	9.050	2.36	15.050	2.21	21.05	0.88
3.067	0.96	9.067	2.36	15.067	2.21	21.07	0.88
3.083	0.96	9.083	2.36	15.083	2.21	21.08	0.88
3.100	0.96	9.100	2.36	15.100	2.21	21.10	0.88
3.117	0.96	9.117	2.36	15.117	2.21	21.12	0.88
3.133	0.96	9.133	2.36	15.133	2.21	21.13	0.88
3.150	0.96	9.150	2.36	15.150	2.21	21.15	0.88
3.167	0.96	9.167	2.36	15.167	2.21	21.17	0.88
3.183	0.96	9.183	2.36	15.183	2.21	21.18	0.88
3.200	0.96	9.200	2.36	15.200	2.21	21.20	0.88
3.217	0.96	9.217	2.36	15.217	2.21	21.22	0.88
3.233	0.96	9.233	2.36	15.233	2.21	21.23	0.88
3.250	0.96	9.250	2.36	15.250	2.21	21.25	0.88
3.267	0.96	9.267	2.36	15.267	2.21	21.27	0.88
3.283	0.96	9.283	2.36	15.283	2.21	21.28	0.88
3.300	0.96	9.300	2.36	15.300	2.21	21.30	0.88
3.317	0.96	9.317	2.36	15.317	2.21	21.32	0.88
3.333	0.96	9.333	2.36	15.333	2.21	21.33	0.88
3.350	0.96	9.350	2.36	15.350	2.21	21.35	0.88
3.367	0.96	9.367	2.36	15.367	2.21	21.37	0.88
3.383	0.96	9.383	2.36	15.383	2.21	21.38	0.88
3.400	0.96	9.400	2.36	15.400	2.21	21.40	0.88
3.417	0.96	9.417	2.36	15.417	2.21	21.42	0.88
3.433	0.96	9.433	2.36	15.433	2.21	21.43	0.88
3.450	0.96	9.450	2.36	15.450	2.21	21.45	0.88
3.467	0.96	9.467	2.36	15.467	2.21	21.47	0.88
3.483	0.96	9.483	2.36	15.483	2.21	21.48	0.88
3.500	0.96	9.500	2.36	15.500	2.21	21.50	0.88
3.517	0.96	9.517	2.65	15.517	2.21	21.52	0.88
3.533	0.96	9.533	2.65	15.533	2.21	21.53	0.88
3.550	0.96	9.550	2.65	15.550	2.21	21.55	0.88
3.567	0.96	9.567	2.65	15.567	2.21	21.57	0.88
3.583	0.96	9.583	2.65	15.583	2.21	21.58	0.88
3.600	0.96	9.600	2.65	15.600	2.21	21.60	0.88
3.617	0.96	9.617	2.65	15.617	2.21	21.62	0.88
3.633	0.96	9.633	2.65	15.633	2.21	21.63	0.88
3.650	0.96	9.650	2.65	15.650	2.21	21.65	0.88
3.667	0.96	9.667	2.65	15.667	2.21	21.67	0.88
3.683	0.96	9.683	2.65	15.683	2.21	21.68	0.88
3.700	0.96	9.700	2.65	15.700	2.21	21.70	0.88
3.717	0.96	9.717	2.65	15.717	2.21	21.72	0.88
3.733	0.96	9.733	2.65	15.733	2.21	21.73	0.88
3.750	0.96	9.750	2.65	15.750	2.21	21.75	0.88
3.767	0.96	9.767	2.65	15.767	2.21	21.77	0.88
3.783	0.96	9.783	2.65	15.783	2.21	21.78	0.88
3.800	0.96	9.800	2.65	15.800	2.21	21.80	0.88
3.817	0.96	9.817	2.65	15.817	2.21	21.82	0.88
3.833	0.96	9.833	2.65	15.833	2.21	21.83	0.88
3.850	0.96	9.850	2.65	15.850	2.21	21.85	0.88
3.867	0.96	9.867	2.65	15.867	2.21	21.87	0.88
3.883	0.96	9.883	2.65	15.883	2.21	21.88	0.88
3.900	0.96	9.900	2.65	15.900	2.21	21.90	0.88
3.917	0.96	9.917	2.65	15.917	2.21	21.92	0.88
3.933	0.96	9.933	2.65	15.933	2.21	21.93	0.88
3.950	0.96	9.950	2.65	15.950	2.21	21.95	0.88
3.967	0.96	9.967	2.65	15.967	2.21	21.97	0.88
3.983	0.96	9.983	2.65	15.983	2.21	21.98	0.88
4.000	0.96	10.000	2.65	16.000	2.21	22.00	0.88
4.017	1.18	10.017	3.39	16.017	1.33	22.02	0.88
4.033	1.18	10.033	3.39	16.033	1.33	22.03	0.88
4.050	1.18	10.050	3.39	16.050	1.33	22.05	0.88
4.067	1.18	10.067	3.39	16.067	1.33	22.07	0.88
4.083	1.18	10.083	3.39	16.083	1.33	22.08	0.88
4.100	1.18	10.100	3.39	16.100	1.33	22.10	0.88

4.117	1.18	10.117	3.39	16.117	1.33	22.12	0.88
4.133	1.18	10.133	3.39	16.133	1.33	22.13	0.88
4.150	1.18	10.150	3.39	16.150	1.33	22.15	0.88
4.167	1.18	10.167	3.39	16.167	1.33	22.17	0.88
4.183	1.18	10.183	3.39	16.183	1.33	22.18	0.88
4.200	1.18	10.200	3.39	16.200	1.33	22.20	0.88
4.217	1.18	10.217	3.39	16.217	1.33	22.22	0.88
4.233	1.18	10.233	3.39	16.233	1.33	22.23	0.88
4.250	1.18	10.250	3.39	16.250	1.33	22.25	0.88
4.267	1.18	10.267	3.39	16.267	1.33	22.27	0.88
4.283	1.18	10.283	3.39	16.283	1.33	22.28	0.88
4.300	1.18	10.300	3.39	16.300	1.33	22.30	0.88
4.317	1.18	10.317	3.39	16.317	1.33	22.32	0.88
4.333	1.18	10.333	3.39	16.333	1.33	22.33	0.88
4.350	1.18	10.350	3.39	16.350	1.33	22.35	0.88
4.367	1.18	10.367	3.39	16.367	1.33	22.37	0.88
4.383	1.18	10.383	3.39	16.383	1.33	22.38	0.88
4.400	1.18	10.400	3.39	16.400	1.33	22.40	0.88
4.417	1.18	10.417	3.39	16.417	1.33	22.42	0.88
4.433	1.18	10.433	3.39	16.433	1.33	22.43	0.88
4.450	1.18	10.450	3.39	16.450	1.33	22.45	0.88
4.467	1.18	10.467	3.39	16.467	1.33	22.47	0.88
4.483	1.18	10.483	3.39	16.483	1.33	22.48	0.88
4.500	1.18	10.500	3.39	16.500	1.33	22.50	0.88
4.517	1.18	10.517	4.57	16.517	1.33	22.52	0.88
4.533	1.18	10.533	4.57	16.533	1.33	22.53	0.88
4.550	1.18	10.550	4.57	16.550	1.33	22.55	0.88
4.567	1.18	10.567	4.57	16.567	1.33	22.57	0.88
4.583	1.18	10.583	4.57	16.583	1.33	22.58	0.88
4.600	1.18	10.600	4.57	16.600	1.33	22.60	0.88
4.617	1.18	10.617	4.57	16.617	1.33	22.62	0.88
4.633	1.18	10.633	4.57	16.633	1.33	22.63	0.88
4.650	1.18	10.650	4.57	16.650	1.33	22.65	0.88
4.667	1.18	10.667	4.57	16.667	1.33	22.67	0.88
4.683	1.18	10.683	4.57	16.683	1.33	22.68	0.88
4.700	1.18	10.700	4.57	16.700	1.33	22.70	0.88
4.717	1.18	10.717	4.57	16.717	1.33	22.72	0.88
4.733	1.18	10.733	4.57	16.733	1.33	22.73	0.88
4.750	1.18	10.750	4.57	16.750	1.33	22.75	0.88
4.767	1.18	10.767	4.57	16.767	1.33	22.77	0.88
4.783	1.18	10.783	4.57	16.783	1.33	22.78	0.88
4.800	1.18	10.800	4.57	16.800	1.33	22.80	0.88
4.817	1.18	10.817	4.57	16.817	1.33	22.82	0.88
4.833	1.18	10.833	4.57	16.833	1.33	22.83	0.88
4.850	1.18	10.850	4.57	16.850	1.33	22.85	0.88
4.867	1.18	10.867	4.57	16.867	1.33	22.87	0.88
4.883	1.18	10.883	4.57	16.883	1.33	22.88	0.88
4.900	1.18	10.900	4.57	16.900	1.33	22.90	0.88
4.917	1.18	10.917	4.57	16.917	1.33	22.92	0.88
4.933	1.18	10.933	4.57	16.933	1.33	22.93	0.88
4.950	1.18	10.950	4.57	16.950	1.33	22.95	0.88
4.967	1.18	10.967	4.57	16.967	1.33	22.97	0.88
4.983	1.18	10.983	4.57	16.983	1.33	22.98	0.88
5.000	1.18	11.000	4.57	17.000	1.33	23.00	0.88
5.017	1.18	11.017	7.07	17.017	1.33	23.02	0.88
5.033	1.18	11.033	7.07	17.033	1.33	23.03	0.88
5.050	1.18	11.050	7.07	17.050	1.33	23.05	0.88
5.067	1.18	11.067	7.07	17.067	1.33	23.07	0.88
5.083	1.18	11.083	7.07	17.083	1.33	23.08	0.88
5.100	1.18	11.100	7.07	17.100	1.33	23.10	0.88
5.117	1.18	11.117	7.07	17.117	1.33	23.12	0.88
5.133	1.18	11.133	7.07	17.133	1.33	23.13	0.88
5.150	1.18	11.150	7.07	17.150	1.33	23.15	0.88
5.167	1.18	11.167	7.07	17.167	1.33	23.17	0.88
5.183	1.18	11.183	7.07	17.183	1.33	23.18	0.88
5.200	1.18	11.200	7.07	17.200	1.33	23.20	0.88
5.217	1.18	11.217	7.07	17.217	1.33	23.22	0.88
5.233	1.18	11.233	7.07	17.233	1.33	23.23	0.88
5.250	1.18	11.250	7.07	17.250	1.33	23.25	0.88
5.267	1.18	11.267	7.07	17.267	1.33	23.27	0.88
5.283	1.18	11.283	7.07	17.283	1.33	23.28	0.88
5.300	1.18	11.300	7.07	17.300	1.33	23.30	0.88
5.317	1.18	11.317	7.07	17.317	1.33	23.32	0.88
5.333	1.18	11.333	7.07	17.333	1.33	23.33	0.88
5.350	1.18	11.350	7.07	17.350	1.33	23.35	0.88
5.367	1.18	11.367	7.07	17.367	1.33	23.37	0.88
5.383	1.18	11.383	7.07	17.383	1.33	23.38	0.88
5.400	1.18	11.400	7.07	17.400	1.33	23.40	0.88
5.417	1.18	11.417	7.07	17.417	1.33	23.42	0.88
5.433	1.18	11.433	7.07	17.433	1.33	23.43	0.88
5.450	1.18	11.450	7.07	17.450	1.33	23.45	0.88
5.467	1.18	11.467	7.07	17.467	1.33	23.47	0.88
5.483	1.18	11.483	7.07	17.483	1.33	23.48	0.88
5.500	1.18	11.500	7.07	17.500	1.33	23.50	0.88

5.517	1.18	11.517	21.81	17.517	1.33	23.52	0.88
5.533	1.18	11.533	21.81	17.533	1.33	23.53	0.88
5.550	1.18	11.550	21.81	17.550	1.33	23.55	0.88
5.567	1.18	11.567	21.81	17.567	1.33	23.57	0.88
5.583	1.18	11.583	21.81	17.583	1.33	23.58	0.88
5.600	1.18	11.600	21.81	17.600	1.33	23.60	0.88
5.617	1.18	11.617	21.81	17.617	1.33	23.62	0.88
5.633	1.18	11.633	21.81	17.633	1.33	23.63	0.88
5.650	1.18	11.650	21.81	17.650	1.33	23.65	0.88
5.667	1.18	11.667	21.81	17.667	1.33	23.67	0.88
5.683	1.18	11.683	21.81	17.683	1.33	23.68	0.88
5.700	1.18	11.700	21.81	17.700	1.33	23.70	0.88
5.717	1.18	11.717	21.81	17.717	1.33	23.72	0.88
5.733	1.18	11.733	21.81	17.733	1.33	23.73	0.88
5.750	1.18	11.750	21.81	17.750	1.33	23.75	0.88
5.767	1.18	11.767	90.16	17.767	1.33	23.77	0.88
5.783	1.18	11.783	90.20	17.783	1.33	23.78	0.88
5.800	1.18	11.800	90.20	17.800	1.33	23.80	0.88
5.817	1.18	11.817	90.20	17.817	1.33	23.82	0.88
5.833	1.18	11.833	90.20	17.833	1.33	23.83	0.88
5.850	1.18	11.850	90.20	17.850	1.33	23.85	0.88
5.867	1.18	11.867	90.20	17.867	1.33	23.87	0.88
5.883	1.18	11.883	90.20	17.883	1.33	23.88	0.88
5.900	1.18	11.900	90.20	17.900	1.33	23.90	0.88
5.917	1.18	11.917	90.20	17.917	1.33	23.92	0.88
5.933	1.18	11.933	90.20	17.933	1.33	23.93	0.88
5.950	1.18	11.950	90.20	17.950	1.33	23.95	0.88
5.967	1.18	11.967	90.20	17.967	1.33	23.97	0.88
5.983	1.18	11.983	90.20	17.983	1.33	23.98	0.88
6.000	1.18	12.000	90.20	18.000	1.33	24.00	0.88

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.510 (i)
TIME TO PEAK (hrs)= 12.317
RUNOFF VOLUME (mm)= 16.795
TOTAL RAINFALL (mm)= 73.691
RUNOFF COEFFICIENT = 0.228

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.81	6.017	1.33	12.017	10.67	18.02	1.33
0.033	0.81	6.033	1.33	12.033	10.61	18.03	1.33
0.050	0.81	6.050	1.33	12.050	10.61	18.05	1.33
0.067	0.81	6.067	1.33	12.067	10.61	18.07	1.33
0.083	0.81	6.083	1.33	12.083	10.61	18.08	1.33
0.100	0.81	6.100	1.33	12.100	10.61	18.10	1.33
0.117	0.81	6.117	1.33	12.117	10.61	18.12	1.33
0.133	0.81	6.133	1.33	12.133	10.61	18.13	1.33
0.150	0.81	6.150	1.33	12.150	10.61	18.15	1.33
0.167	0.81	6.167	1.33	12.167	10.61	18.17	1.33
0.183	0.81	6.183	1.33	12.183	10.61	18.18	1.33
0.200	0.81	6.200	1.33	12.200	10.61	18.20	1.33
0.217	0.81	6.217	1.33	12.217	10.61	18.22	1.33
0.233	0.81	6.233	1.33	12.233	10.61	18.23	1.33
0.250	0.81	6.250	1.33	12.250	10.61	18.25	1.33
0.267	0.81	6.267	1.33	12.267	10.61	18.27	1.33
0.283	0.81	6.283	1.33	12.283	10.61	18.28	1.33
0.300	0.81	6.300	1.33	12.300	10.61	18.30	1.33
0.317	0.81	6.317	1.33	12.317	10.61	18.32	1.33
0.333	0.81	6.333	1.33	12.333	10.61	18.33	1.33
0.350	0.81	6.350	1.33	12.350	10.61	18.35	1.33
0.367	0.81	6.367	1.33	12.367	10.61	18.37	1.33
0.383	0.81	6.383	1.33	12.383	10.61	18.38	1.33
0.400	0.81	6.400	1.33	12.400	10.61	18.40	1.33
0.417	0.81	6.417	1.33	12.417	10.61	18.42	1.33
0.433	0.81	6.433	1.33	12.433	10.61	18.43	1.33
0.450	0.81	6.450	1.33	12.450	10.61	18.45	1.33
0.467	0.81	6.467	1.33	12.467	10.61	18.47	1.33
0.483	0.81	6.483	1.33	12.483	10.61	18.48	1.33
0.500	0.81	6.500	1.33	12.500	10.61	18.50	1.33

0.517	0.81	6.517	1.33	12.517	5.46	18.52	1.33
0.533	0.81	6.533	1.33	12.533	5.45	18.53	1.33
0.550	0.81	6.550	1.33	12.550	5.45	18.55	1.33
0.567	0.81	6.567	1.33	12.567	5.45	18.57	1.33
0.583	0.81	6.583	1.33	12.583	5.45	18.58	1.33
0.600	0.81	6.600	1.33	12.600	5.45	18.60	1.33
0.617	0.81	6.617	1.33	12.617	5.45	18.62	1.33
0.633	0.81	6.633	1.33	12.633	5.45	18.63	1.33
0.650	0.81	6.650	1.33	12.650	5.45	18.65	1.33
0.667	0.81	6.667	1.33	12.667	5.45	18.67	1.33
0.683	0.81	6.683	1.33	12.683	5.45	18.68	1.33
0.700	0.81	6.700	1.33	12.700	5.45	18.70	1.33
0.717	0.81	6.717	1.33	12.717	5.45	18.72	1.33
0.733	0.81	6.733	1.33	12.733	5.45	18.73	1.33
0.750	0.81	6.750	1.33	12.750	5.45	18.75	1.33
0.767	0.81	6.767	1.33	12.767	5.45	18.77	1.33
0.783	0.81	6.783	1.33	12.783	5.45	18.78	1.33
0.800	0.81	6.800	1.33	12.800	5.45	18.80	1.33
0.817	0.81	6.817	1.33	12.817	5.45	18.82	1.33
0.833	0.81	6.833	1.33	12.833	5.45	18.83	1.33
0.850	0.81	6.850	1.33	12.850	5.45	18.85	1.33
0.867	0.81	6.867	1.33	12.867	5.45	18.87	1.33
0.883	0.81	6.883	1.33	12.883	5.45	18.88	1.33
0.900	0.81	6.900	1.33	12.900	5.45	18.90	1.33
0.917	0.81	6.917	1.33	12.917	5.45	18.92	1.33
0.933	0.81	6.933	1.33	12.933	5.45	18.93	1.33
0.950	0.81	6.950	1.33	12.950	5.45	18.95	1.33
0.967	0.81	6.967	1.33	12.967	5.45	18.97	1.33
0.983	0.81	6.983	1.33	12.983	5.45	18.98	1.33
1.000	0.81	7.000	1.33	13.000	5.45	19.00	1.33
1.017	0.81	7.017	1.62	13.017	3.98	19.02	1.33
1.033	0.81	7.033	1.62	13.033	3.98	19.03	1.33
1.050	0.81	7.050	1.62	13.050	3.98	19.05	1.33
1.067	0.81	7.067	1.62	13.067	3.98	19.07	1.33
1.083	0.81	7.083	1.62	13.083	3.98	19.08	1.33
1.100	0.81	7.100	1.62	13.100	3.98	19.10	1.33
1.117	0.81	7.117	1.62	13.117	3.98	19.12	1.33
1.133	0.81	7.133	1.62	13.133	3.98	19.13	1.33
1.150	0.81	7.150	1.62	13.150	3.98	19.15	1.33
1.167	0.81	7.167	1.62	13.167	3.98	19.17	1.33
1.183	0.81	7.183	1.62	13.183	3.98	19.18	1.33
1.200	0.81	7.200	1.62	13.200	3.98	19.20	1.33
1.217	0.81	7.217	1.62	13.217	3.98	19.22	1.33
1.233	0.81	7.233	1.62	13.233	3.98	19.23	1.33
1.250	0.81	7.250	1.62	13.250	3.98	19.25	1.33
1.267	0.81	7.267	1.62	13.267	3.98	19.27	1.33
1.283	0.81	7.283	1.62	13.283	3.98	19.28	1.33
1.300	0.81	7.300	1.62	13.300	3.98	19.30	1.33
1.317	0.81	7.317	1.62	13.317	3.98	19.32	1.33
1.333	0.81	7.333	1.62	13.333	3.98	19.33	1.33
1.350	0.81	7.350	1.62	13.350	3.98	19.35	1.33
1.367	0.81	7.367	1.62	13.367	3.98	19.37	1.33
1.383	0.81	7.383	1.62	13.383	3.98	19.38	1.33
1.400	0.81	7.400	1.62	13.400	3.98	19.40	1.33
1.417	0.81	7.417	1.62	13.417	3.98	19.42	1.33
1.433	0.81	7.433	1.62	13.433	3.98	19.43	1.33
1.450	0.81	7.450	1.62	13.450	3.98	19.45	1.33
1.467	0.81	7.467	1.62	13.467	3.98	19.47	1.33
1.483	0.81	7.483	1.62	13.483	3.98	19.48	1.33
1.500	0.81	7.500	1.62	13.500	3.98	19.50	1.33
1.517	0.81	7.517	1.62	13.517	3.10	19.52	1.33
1.533	0.81	7.533	1.62	13.533	3.09	19.53	1.33
1.550	0.81	7.550	1.62	13.550	3.09	19.55	1.33
1.567	0.81	7.567	1.62	13.567	3.09	19.57	1.33
1.583	0.81	7.583	1.62	13.583	3.09	19.58	1.33
1.600	0.81	7.600	1.62	13.600	3.09	19.60	1.33
1.617	0.81	7.617	1.62	13.617	3.09	19.62	1.33
1.633	0.81	7.633	1.62	13.633	3.09	19.63	1.33
1.650	0.81	7.650	1.62	13.650	3.09	19.65	1.33
1.667	0.81	7.667	1.62	13.667	3.09	19.67	1.33
1.683	0.81	7.683	1.62	13.683	3.09	19.68	1.33
1.700	0.81	7.700	1.62	13.700	3.09	19.70	1.33
1.717	0.81	7.717	1.62	13.717	3.09	19.72	1.33
1.733	0.81	7.733	1.62	13.733	3.09	19.73	1.33
1.750	0.81	7.750	1.62	13.750	3.09	19.75	1.33
1.767	0.81	7.767	1.62	13.767	3.09	19.77	1.33
1.783	0.81	7.783	1.62	13.783	3.09	19.78	1.33
1.800	0.81	7.800	1.62	13.800	3.09	19.80	1.33
1.817	0.81	7.817	1.62	13.817	3.09	19.82	1.33
1.833	0.81	7.833	1.62	13.833	3.09	19.83	1.33
1.850	0.81	7.850	1.62	13.850	3.09	19.85	1.33
1.867	0.81	7.867	1.62	13.867	3.09	19.87	1.33
1.883	0.81	7.883	1.62	13.883	3.09	19.88	1.33
1.900	0.81	7.900	1.62	13.900	3.09	19.90	1.33

1.917	0.81	7.917	1.62	13.917	3.09	19.92	1.33
1.933	0.81	7.933	1.62	13.933	3.09	19.93	1.33
1.950	0.81	7.950	1.62	13.950	3.09	19.95	1.33
1.967	0.81	7.967	1.62	13.967	3.09	19.97	1.33
1.983	0.81	7.983	1.62	13.983	3.09	19.98	1.33
2.000	0.81	8.000	1.62	14.000	3.09	20.00	1.33
2.017	0.96	8.017	1.92	14.017	2.21	20.02	0.89
2.033	0.96	8.033	1.92	14.033	2.21	20.03	0.88
2.050	0.96	8.050	1.92	14.050	2.21	20.05	0.88
2.067	0.96	8.067	1.92	14.067	2.21	20.07	0.88
2.083	0.96	8.083	1.92	14.083	2.21	20.08	0.88
2.100	0.96	8.100	1.92	14.100	2.21	20.10	0.88
2.117	0.96	8.117	1.92	14.117	2.21	20.12	0.88
2.133	0.96	8.133	1.92	14.133	2.21	20.13	0.88
2.150	0.96	8.150	1.92	14.150	2.21	20.15	0.88
2.167	0.96	8.167	1.92	14.167	2.21	20.17	0.88
2.183	0.96	8.183	1.92	14.183	2.21	20.18	0.88
2.200	0.96	8.200	1.92	14.200	2.21	20.20	0.88
2.217	0.96	8.217	1.92	14.217	2.21	20.22	0.88
2.233	0.96	8.233	1.92	14.233	2.21	20.23	0.88
2.250	0.96	8.250	1.92	14.250	2.21	20.25	0.88
2.267	0.96	8.267	1.92	14.267	2.21	20.27	0.88
2.283	0.96	8.283	1.92	14.283	2.21	20.28	0.88
2.300	0.96	8.300	1.92	14.300	2.21	20.30	0.88
2.317	0.96	8.317	1.92	14.317	2.21	20.32	0.88
2.333	0.96	8.333	1.92	14.333	2.21	20.33	0.88
2.350	0.96	8.350	1.92	14.350	2.21	20.35	0.88
2.367	0.96	8.367	1.92	14.367	2.21	20.37	0.88
2.383	0.96	8.383	1.92	14.383	2.21	20.38	0.88
2.400	0.96	8.400	1.92	14.400	2.21	20.40	0.88
2.417	0.96	8.417	1.92	14.417	2.21	20.42	0.88
2.433	0.96	8.433	1.92	14.433	2.21	20.43	0.88
2.450	0.96	8.450	1.92	14.450	2.21	20.45	0.88
2.467	0.96	8.467	1.92	14.467	2.21	20.47	0.88
2.483	0.96	8.483	1.92	14.483	2.21	20.48	0.88
2.500	0.96	8.500	1.92	14.500	2.21	20.50	0.88
2.517	0.96	8.517	2.06	14.517	2.21	20.52	0.88
2.533	0.96	8.533	2.06	14.533	2.21	20.53	0.88
2.550	0.96	8.550	2.06	14.550	2.21	20.55	0.88
2.567	0.96	8.567	2.06	14.567	2.21	20.57	0.88
2.583	0.96	8.583	2.06	14.583	2.21	20.58	0.88
2.600	0.96	8.600	2.06	14.600	2.21	20.60	0.88
2.617	0.96	8.617	2.06	14.617	2.21	20.62	0.88
2.633	0.96	8.633	2.06	14.633	2.21	20.63	0.88
2.650	0.96	8.650	2.06	14.650	2.21	20.65	0.88
2.667	0.96	8.667	2.06	14.667	2.21	20.67	0.88
2.683	0.96	8.683	2.06	14.683	2.21	20.68	0.88
2.700	0.96	8.700	2.06	14.700	2.21	20.70	0.88
2.717	0.96	8.717	2.06	14.717	2.21	20.72	0.88
2.733	0.96	8.733	2.06	14.733	2.21	20.73	0.88
2.750	0.96	8.750	2.06	14.750	2.21	20.75	0.88
2.767	0.96	8.767	2.06	14.767	2.21	20.77	0.88
2.783	0.96	8.783	2.06	14.783	2.21	20.78	0.88
2.800	0.96	8.800	2.06	14.800	2.21	20.80	0.88
2.817	0.96	8.817	2.06	14.817	2.21	20.82	0.88
2.833	0.96	8.833	2.06	14.833	2.21	20.83	0.88
2.850	0.96	8.850	2.06	14.850	2.21	20.85	0.88
2.867	0.96	8.867	2.06	14.867	2.21	20.87	0.88
2.883	0.96	8.883	2.06	14.883	2.21	20.88	0.88
2.900	0.96	8.900	2.06	14.900	2.21	20.90	0.88
2.917	0.96	8.917	2.06	14.917	2.21	20.92	0.88
2.933	0.96	8.933	2.06	14.933	2.21	20.93	0.88
2.950	0.96	8.950	2.06	14.950	2.21	20.95	0.88
2.967	0.96	8.967	2.06	14.967	2.21	20.97	0.88
2.983	0.96	8.983	2.06	14.983	2.21	20.98	0.88
3.000	0.96	9.000	2.06	15.000	2.21	21.00	0.88
3.017	0.96	9.017	2.36	15.017	2.21	21.02	0.88
3.033	0.96	9.033	2.36	15.033	2.21	21.03	0.88
3.050	0.96	9.050	2.36	15.050	2.21	21.05	0.88
3.067	0.96	9.067	2.36	15.067	2.21	21.07	0.88
3.083	0.96	9.083	2.36	15.083	2.21	21.08	0.88
3.100	0.96	9.100	2.36	15.100	2.21	21.10	0.88
3.117	0.96	9.117	2.36	15.117	2.21	21.12	0.88
3.133	0.96	9.133	2.36	15.133	2.21	21.13	0.88
3.150	0.96	9.150	2.36	15.150	2.21	21.15	0.88
3.167	0.96	9.167	2.36	15.167	2.21	21.17	0.88
3.183	0.96	9.183	2.36	15.183	2.21	21.18	0.88
3.200	0.96	9.200	2.36	15.200	2.21	21.20	0.88
3.217	0.96	9.217	2.36	15.217	2.21	21.22	0.88
3.233	0.96	9.233	2.36	15.233	2.21	21.23	0.88
3.250	0.96	9.250	2.36	15.250	2.21	21.25	0.88
3.267	0.96	9.267	2.36	15.267	2.21	21.27	0.88
3.283	0.96	9.283	2.36	15.283	2.21	21.28	0.88
3.300	0.96	9.300	2.36	15.300	2.21	21.30	0.88

3.317	0.96	9.317	2.36	15.317	2.21	21.32	0.88
3.333	0.96	9.333	2.36	15.333	2.21	21.33	0.88
3.350	0.96	9.350	2.36	15.350	2.21	21.35	0.88
3.367	0.96	9.367	2.36	15.367	2.21	21.37	0.88
3.383	0.96	9.383	2.36	15.383	2.21	21.38	0.88
3.400	0.96	9.400	2.36	15.400	2.21	21.40	0.88
3.417	0.96	9.417	2.36	15.417	2.21	21.42	0.88
3.433	0.96	9.433	2.36	15.433	2.21	21.43	0.88
3.450	0.96	9.450	2.36	15.450	2.21	21.45	0.88
3.467	0.96	9.467	2.36	15.467	2.21	21.47	0.88
3.483	0.96	9.483	2.36	15.483	2.21	21.48	0.88
3.500	0.96	9.500	2.36	15.500	2.21	21.50	0.88
3.517	0.96	9.517	2.65	15.517	2.21	21.52	0.88
3.533	0.96	9.533	2.65	15.533	2.21	21.53	0.88
3.550	0.96	9.550	2.65	15.550	2.21	21.55	0.88
3.567	0.96	9.567	2.65	15.567	2.21	21.57	0.88
3.583	0.96	9.583	2.65	15.583	2.21	21.58	0.88
3.600	0.96	9.600	2.65	15.600	2.21	21.60	0.88
3.617	0.96	9.617	2.65	15.617	2.21	21.62	0.88
3.633	0.96	9.633	2.65	15.633	2.21	21.63	0.88
3.650	0.96	9.650	2.65	15.650	2.21	21.65	0.88
3.667	0.96	9.667	2.65	15.667	2.21	21.67	0.88
3.683	0.96	9.683	2.65	15.683	2.21	21.68	0.88
3.700	0.96	9.700	2.65	15.700	2.21	21.70	0.88
3.717	0.96	9.717	2.65	15.717	2.21	21.72	0.88
3.733	0.96	9.733	2.65	15.733	2.21	21.73	0.88
3.750	0.96	9.750	2.65	15.750	2.21	21.75	0.88
3.767	0.96	9.767	2.65	15.767	2.21	21.77	0.88
3.783	0.96	9.783	2.65	15.783	2.21	21.78	0.88
3.800	0.96	9.800	2.65	15.800	2.21	21.80	0.88
3.817	0.96	9.817	2.65	15.817	2.21	21.82	0.88
3.833	0.96	9.833	2.65	15.833	2.21	21.83	0.88
3.850	0.96	9.850	2.65	15.850	2.21	21.85	0.88
3.867	0.96	9.867	2.65	15.867	2.21	21.87	0.88
3.883	0.96	9.883	2.65	15.883	2.21	21.88	0.88
3.900	0.96	9.900	2.65	15.900	2.21	21.90	0.88
3.917	0.96	9.917	2.65	15.917	2.21	21.92	0.88
3.933	0.96	9.933	2.65	15.933	2.21	21.93	0.88
3.950	0.96	9.950	2.65	15.950	2.21	21.95	0.88
3.967	0.96	9.967	2.65	15.967	2.21	21.97	0.88
3.983	0.96	9.983	2.65	15.983	2.21	21.98	0.88
4.000	0.96	10.000	2.65	16.000	2.21	22.00	0.88
4.017	1.18	10.017	3.39	16.017	1.33	22.02	0.88
4.033	1.18	10.033	3.39	16.033	1.33	22.03	0.88
4.050	1.18	10.050	3.39	16.050	1.33	22.05	0.88
4.067	1.18	10.067	3.39	16.067	1.33	22.07	0.88
4.083	1.18	10.083	3.39	16.083	1.33	22.08	0.88
4.100	1.18	10.100	3.39	16.100	1.33	22.10	0.88
4.117	1.18	10.117	3.39	16.117	1.33	22.12	0.88
4.133	1.18	10.133	3.39	16.133	1.33	22.13	0.88
4.150	1.18	10.150	3.39	16.150	1.33	22.15	0.88
4.167	1.18	10.167	3.39	16.167	1.33	22.17	0.88
4.183	1.18	10.183	3.39	16.183	1.33	22.18	0.88
4.200	1.18	10.200	3.39	16.200	1.33	22.20	0.88
4.217	1.18	10.217	3.39	16.217	1.33	22.22	0.88
4.233	1.18	10.233	3.39	16.233	1.33	22.23	0.88
4.250	1.18	10.250	3.39	16.250	1.33	22.25	0.88
4.267	1.18	10.267	3.39	16.267	1.33	22.27	0.88
4.283	1.18	10.283	3.39	16.283	1.33	22.28	0.88
4.300	1.18	10.300	3.39	16.300	1.33	22.30	0.88
4.317	1.18	10.317	3.39	16.317	1.33	22.32	0.88
4.333	1.18	10.333	3.39	16.333	1.33	22.33	0.88
4.350	1.18	10.350	3.39	16.350	1.33	22.35	0.88
4.367	1.18	10.367	3.39	16.367	1.33	22.37	0.88
4.383	1.18	10.383	3.39	16.383	1.33	22.38	0.88
4.400	1.18	10.400	3.39	16.400	1.33	22.40	0.88
4.417	1.18	10.417	3.39	16.417	1.33	22.42	0.88
4.433	1.18	10.433	3.39	16.433	1.33	22.43	0.88
4.450	1.18	10.450	3.39	16.450	1.33	22.45	0.88
4.467	1.18	10.467	3.39	16.467	1.33	22.47	0.88
4.483	1.18	10.483	3.39	16.483	1.33	22.48	0.88
4.500	1.18	10.500	3.39	16.500	1.33	22.50	0.88
4.517	1.18	10.517	4.57	16.517	1.33	22.52	0.88
4.533	1.18	10.533	4.57	16.533	1.33	22.53	0.88
4.550	1.18	10.550	4.57	16.550	1.33	22.55	0.88
4.567	1.18	10.567	4.57	16.567	1.33	22.57	0.88
4.583	1.18	10.583	4.57	16.583	1.33	22.58	0.88
4.600	1.18	10.600	4.57	16.600	1.33	22.60	0.88
4.617	1.18	10.617	4.57	16.617	1.33	22.62	0.88
4.633	1.18	10.633	4.57	16.633	1.33	22.63	0.88
4.650	1.18	10.650	4.57	16.650	1.33	22.65	0.88
4.667	1.18	10.667	4.57	16.667	1.33	22.67	0.88
4.683	1.18	10.683	4.57	16.683	1.33	22.68	0.88
4.700	1.18	10.700	4.57	16.700	1.33	22.70	0.88

4.717	1.18	10.717	4.57	16.717	1.33	22.72	0.88
4.733	1.18	10.733	4.57	16.733	1.33	22.73	0.88
4.750	1.18	10.750	4.57	16.750	1.33	22.75	0.88
4.767	1.18	10.767	4.57	16.767	1.33	22.77	0.88
4.783	1.18	10.783	4.57	16.783	1.33	22.78	0.88
4.800	1.18	10.800	4.57	16.800	1.33	22.80	0.88
4.817	1.18	10.817	4.57	16.817	1.33	22.82	0.88
4.833	1.18	10.833	4.57	16.833	1.33	22.83	0.88
4.850	1.18	10.850	4.57	16.850	1.33	22.85	0.88
4.867	1.18	10.867	4.57	16.867	1.33	22.87	0.88
4.883	1.18	10.883	4.57	16.883	1.33	22.88	0.88
4.900	1.18	10.900	4.57	16.900	1.33	22.90	0.88
4.917	1.18	10.917	4.57	16.917	1.33	22.92	0.88
4.933	1.18	10.933	4.57	16.933	1.33	22.93	0.88
4.950	1.18	10.950	4.57	16.950	1.33	22.95	0.88
4.967	1.18	10.967	4.57	16.967	1.33	22.97	0.88
4.983	1.18	10.983	4.57	16.983	1.33	22.98	0.88
5.000	1.18	11.000	4.57	17.000	1.33	23.00	0.88
5.017	1.18	11.017	7.07	17.017	1.33	23.02	0.88
5.033	1.18	11.033	7.07	17.033	1.33	23.03	0.88
5.050	1.18	11.050	7.07	17.050	1.33	23.05	0.88
5.067	1.18	11.067	7.07	17.067	1.33	23.07	0.88
5.083	1.18	11.083	7.07	17.083	1.33	23.08	0.88
5.100	1.18	11.100	7.07	17.100	1.33	23.10	0.88
5.117	1.18	11.117	7.07	17.117	1.33	23.12	0.88
5.133	1.18	11.133	7.07	17.133	1.33	23.13	0.88
5.150	1.18	11.150	7.07	17.150	1.33	23.15	0.88
5.167	1.18	11.167	7.07	17.167	1.33	23.17	0.88
5.183	1.18	11.183	7.07	17.183	1.33	23.18	0.88
5.200	1.18	11.200	7.07	17.200	1.33	23.20	0.88
5.217	1.18	11.217	7.07	17.217	1.33	23.22	0.88
5.233	1.18	11.233	7.07	17.233	1.33	23.23	0.88
5.250	1.18	11.250	7.07	17.250	1.33	23.25	0.88
5.267	1.18	11.267	7.07	17.267	1.33	23.27	0.88
5.283	1.18	11.283	7.07	17.283	1.33	23.28	0.88
5.300	1.18	11.300	7.07	17.300	1.33	23.30	0.88
5.317	1.18	11.317	7.07	17.317	1.33	23.32	0.88
5.333	1.18	11.333	7.07	17.333	1.33	23.33	0.88
5.350	1.18	11.350	7.07	17.350	1.33	23.35	0.88
5.367	1.18	11.367	7.07	17.367	1.33	23.37	0.88
5.383	1.18	11.383	7.07	17.383	1.33	23.38	0.88
5.400	1.18	11.400	7.07	17.400	1.33	23.40	0.88
5.417	1.18	11.417	7.07	17.417	1.33	23.42	0.88
5.433	1.18	11.433	7.07	17.433	1.33	23.43	0.88
5.450	1.18	11.450	7.07	17.450	1.33	23.45	0.88
5.467	1.18	11.467	7.07	17.467	1.33	23.47	0.88
5.483	1.18	11.483	7.07	17.483	1.33	23.48	0.88
5.500	1.18	11.500	7.07	17.500	1.33	23.50	0.88
5.517	1.18	11.517	21.81	17.517	1.33	23.52	0.88
5.533	1.18	11.533	21.81	17.533	1.33	23.53	0.88
5.550	1.18	11.550	21.81	17.550	1.33	23.55	0.88
5.567	1.18	11.567	21.81	17.567	1.33	23.57	0.88
5.583	1.18	11.583	21.81	17.583	1.33	23.58	0.88
5.600	1.18	11.600	21.81	17.600	1.33	23.60	0.88
5.617	1.18	11.617	21.81	17.617	1.33	23.62	0.88
5.633	1.18	11.633	21.81	17.633	1.33	23.63	0.88
5.650	1.18	11.650	21.81	17.650	1.33	23.65	0.88
5.667	1.18	11.667	21.81	17.667	1.33	23.67	0.88
5.683	1.18	11.683	21.81	17.683	1.33	23.68	0.88
5.700	1.18	11.700	21.81	17.700	1.33	23.70	0.88
5.717	1.18	11.717	21.81	17.717	1.33	23.72	0.88
5.733	1.18	11.733	21.81	17.733	1.33	23.73	0.88
5.750	1.18	11.750	21.81	17.750	1.33	23.75	0.88
5.767	1.18	11.767	90.16	17.767	1.33	23.77	0.88
5.783	1.18	11.783	90.20	17.783	1.33	23.78	0.88
5.800	1.18	11.800	90.20	17.800	1.33	23.80	0.88
5.817	1.18	11.817	90.20	17.817	1.33	23.82	0.88
5.833	1.18	11.833	90.20	17.833	1.33	23.83	0.88
5.850	1.18	11.850	90.20	17.850	1.33	23.85	0.88
5.867	1.18	11.867	90.20	17.867	1.33	23.87	0.88
5.883	1.18	11.883	90.20	17.883	1.33	23.88	0.88
5.900	1.18	11.900	90.20	17.900	1.33	23.90	0.88
5.917	1.18	11.917	90.20	17.917	1.33	23.92	0.88
5.933	1.18	11.933	90.20	17.933	1.33	23.93	0.88
5.950	1.18	11.950	90.20	17.950	1.33	23.95	0.88
5.967	1.18	11.967	90.20	17.967	1.33	23.97	0.88
5.983	1.18	11.983	90.20	17.983	1.33	23.98	0.88
6.000	1.18	12.000	90.20	18.000	1.33	24.00	0.88

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.328 (i)

TIME TO PEAK (hrs)= 12.383

RUNOFF VOLUME (mm)= 12.540

TOTAL RAINFALL (mm)= 73.691
RUNOFF COEFFICIENT = 0.170

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0204)
ID= 1 DT= 1.0 min

Area (ha)= 0.96
Total Imp(%)= 68.00 Dir. Conn.(%)= 47.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.65	0.31
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.81	6.017	1.33	12.017	10.67	18.02	1.33
0.033	0.81	6.033	1.33	12.033	10.61	18.03	1.33
0.050	0.81	6.050	1.33	12.050	10.61	18.05	1.33
0.067	0.81	6.067	1.33	12.067	10.61	18.07	1.33
0.083	0.81	6.083	1.33	12.083	10.61	18.08	1.33
0.100	0.81	6.100	1.33	12.100	10.61	18.10	1.33
0.117	0.81	6.117	1.33	12.117	10.61	18.12	1.33
0.133	0.81	6.133	1.33	12.133	10.61	18.13	1.33
0.150	0.81	6.150	1.33	12.150	10.61	18.15	1.33
0.167	0.81	6.167	1.33	12.167	10.61	18.17	1.33
0.183	0.81	6.183	1.33	12.183	10.61	18.18	1.33
0.200	0.81	6.200	1.33	12.200	10.61	18.20	1.33
0.217	0.81	6.217	1.33	12.217	10.61	18.22	1.33
0.233	0.81	6.233	1.33	12.233	10.61	18.23	1.33
0.250	0.81	6.250	1.33	12.250	10.61	18.25	1.33
0.267	0.81	6.267	1.33	12.267	10.61	18.27	1.33
0.283	0.81	6.283	1.33	12.283	10.61	18.28	1.33
0.300	0.81	6.300	1.33	12.300	10.61	18.30	1.33
0.317	0.81	6.317	1.33	12.317	10.61	18.32	1.33
0.333	0.81	6.333	1.33	12.333	10.61	18.33	1.33
0.350	0.81	6.350	1.33	12.350	10.61	18.35	1.33
0.367	0.81	6.367	1.33	12.367	10.61	18.37	1.33
0.383	0.81	6.383	1.33	12.383	10.61	18.38	1.33
0.400	0.81	6.400	1.33	12.400	10.61	18.40	1.33
0.417	0.81	6.417	1.33	12.417	10.61	18.42	1.33
0.433	0.81	6.433	1.33	12.433	10.61	18.43	1.33
0.450	0.81	6.450	1.33	12.450	10.61	18.45	1.33
0.467	0.81	6.467	1.33	12.467	10.61	18.47	1.33
0.483	0.81	6.483	1.33	12.483	10.61	18.48	1.33
0.500	0.81	6.500	1.33	12.500	10.61	18.50	1.33
0.517	0.81	6.517	1.33	12.517	5.46	18.52	1.33
0.533	0.81	6.533	1.33	12.533	5.45	18.53	1.33
0.550	0.81	6.550	1.33	12.550	5.45	18.55	1.33
0.567	0.81	6.567	1.33	12.567	5.45	18.57	1.33
0.583	0.81	6.583	1.33	12.583	5.45	18.58	1.33
0.600	0.81	6.600	1.33	12.600	5.45	18.60	1.33
0.617	0.81	6.617	1.33	12.617	5.45	18.62	1.33
0.633	0.81	6.633	1.33	12.633	5.45	18.63	1.33
0.650	0.81	6.650	1.33	12.650	5.45	18.65	1.33
0.667	0.81	6.667	1.33	12.667	5.45	18.67	1.33
0.683	0.81	6.683	1.33	12.683	5.45	18.68	1.33
0.700	0.81	6.700	1.33	12.700	5.45	18.70	1.33
0.717	0.81	6.717	1.33	12.717	5.45	18.72	1.33
0.733	0.81	6.733	1.33	12.733	5.45	18.73	1.33
0.750	0.81	6.750	1.33	12.750	5.45	18.75	1.33
0.767	0.81	6.767	1.33	12.767	5.45	18.77	1.33
0.783	0.81	6.783	1.33	12.783	5.45	18.78	1.33
0.800	0.81	6.800	1.33	12.800	5.45	18.80	1.33
0.817	0.81	6.817	1.33	12.817	5.45	18.82	1.33
0.833	0.81	6.833	1.33	12.833	5.45	18.83	1.33
0.850	0.81	6.850	1.33	12.850	5.45	18.85	1.33
0.867	0.81	6.867	1.33	12.867	5.45	18.87	1.33
0.883	0.81	6.883	1.33	12.883	5.45	18.88	1.33
0.900	0.81	6.900	1.33	12.900	5.45	18.90	1.33
0.917	0.81	6.917	1.33	12.917	5.45	18.92	1.33
0.933	0.81	6.933	1.33	12.933	5.45	18.93	1.33
0.950	0.81	6.950	1.33	12.950	5.45	18.95	1.33
0.967	0.81	6.967	1.33	12.967	5.45	18.97	1.33
0.983	0.81	6.983	1.33	12.983	5.45	18.98	1.33
1.000	0.81	7.000	1.33	13.000	5.45	19.00	1.33

1.017	0.81	7.017	1.62	13.017	3.98	19.02	1.33
1.033	0.81	7.033	1.62	13.033	3.98	19.03	1.33
1.050	0.81	7.050	1.62	13.050	3.98	19.05	1.33
1.067	0.81	7.067	1.62	13.067	3.98	19.07	1.33
1.083	0.81	7.083	1.62	13.083	3.98	19.08	1.33
1.100	0.81	7.100	1.62	13.100	3.98	19.10	1.33
1.117	0.81	7.117	1.62	13.117	3.98	19.12	1.33
1.133	0.81	7.133	1.62	13.133	3.98	19.13	1.33
1.150	0.81	7.150	1.62	13.150	3.98	19.15	1.33
1.167	0.81	7.167	1.62	13.167	3.98	19.17	1.33
1.183	0.81	7.183	1.62	13.183	3.98	19.18	1.33
1.200	0.81	7.200	1.62	13.200	3.98	19.20	1.33
1.217	0.81	7.217	1.62	13.217	3.98	19.22	1.33
1.233	0.81	7.233	1.62	13.233	3.98	19.23	1.33
1.250	0.81	7.250	1.62	13.250	3.98	19.25	1.33
1.267	0.81	7.267	1.62	13.267	3.98	19.27	1.33
1.283	0.81	7.283	1.62	13.283	3.98	19.28	1.33
1.300	0.81	7.300	1.62	13.300	3.98	19.30	1.33
1.317	0.81	7.317	1.62	13.317	3.98	19.32	1.33
1.333	0.81	7.333	1.62	13.333	3.98	19.33	1.33
1.350	0.81	7.350	1.62	13.350	3.98	19.35	1.33
1.367	0.81	7.367	1.62	13.367	3.98	19.37	1.33
1.383	0.81	7.383	1.62	13.383	3.98	19.38	1.33
1.400	0.81	7.400	1.62	13.400	3.98	19.40	1.33
1.417	0.81	7.417	1.62	13.417	3.98	19.42	1.33
1.433	0.81	7.433	1.62	13.433	3.98	19.43	1.33
1.450	0.81	7.450	1.62	13.450	3.98	19.45	1.33
1.467	0.81	7.467	1.62	13.467	3.98	19.47	1.33
1.483	0.81	7.483	1.62	13.483	3.98	19.48	1.33
1.500	0.81	7.500	1.62	13.500	3.98	19.50	1.33
1.517	0.81	7.517	1.62	13.517	3.10	19.52	1.33
1.533	0.81	7.533	1.62	13.533	3.09	19.53	1.33
1.550	0.81	7.550	1.62	13.550	3.09	19.55	1.33
1.567	0.81	7.567	1.62	13.567	3.09	19.57	1.33
1.583	0.81	7.583	1.62	13.583	3.09	19.58	1.33
1.600	0.81	7.600	1.62	13.600	3.09	19.60	1.33
1.617	0.81	7.617	1.62	13.617	3.09	19.62	1.33
1.633	0.81	7.633	1.62	13.633	3.09	19.63	1.33
1.650	0.81	7.650	1.62	13.650	3.09	19.65	1.33
1.667	0.81	7.667	1.62	13.667	3.09	19.67	1.33
1.683	0.81	7.683	1.62	13.683	3.09	19.68	1.33
1.700	0.81	7.700	1.62	13.700	3.09	19.70	1.33
1.717	0.81	7.717	1.62	13.717	3.09	19.72	1.33
1.733	0.81	7.733	1.62	13.733	3.09	19.73	1.33
1.750	0.81	7.750	1.62	13.750	3.09	19.75	1.33
1.767	0.81	7.767	1.62	13.767	3.09	19.77	1.33
1.783	0.81	7.783	1.62	13.783	3.09	19.78	1.33
1.800	0.81	7.800	1.62	13.800	3.09	19.80	1.33
1.817	0.81	7.817	1.62	13.817	3.09	19.82	1.33
1.833	0.81	7.833	1.62	13.833	3.09	19.83	1.33
1.850	0.81	7.850	1.62	13.850	3.09	19.85	1.33
1.867	0.81	7.867	1.62	13.867	3.09	19.87	1.33
1.883	0.81	7.883	1.62	13.883	3.09	19.88	1.33
1.900	0.81	7.900	1.62	13.900	3.09	19.90	1.33
1.917	0.81	7.917	1.62	13.917	3.09	19.92	1.33
1.933	0.81	7.933	1.62	13.933	3.09	19.93	1.33
1.950	0.81	7.950	1.62	13.950	3.09	19.95	1.33
1.967	0.81	7.967	1.62	13.967	3.09	19.97	1.33
1.983	0.81	7.983	1.62	13.983	3.09	19.98	1.33
2.000	0.81	8.000	1.62	14.000	3.09	20.00	1.33
2.017	0.96	8.017	1.92	14.017	2.21	20.02	0.89
2.033	0.96	8.033	1.92	14.033	2.21	20.03	0.88
2.050	0.96	8.050	1.92	14.050	2.21	20.05	0.88
2.067	0.96	8.067	1.92	14.067	2.21	20.07	0.88
2.083	0.96	8.083	1.92	14.083	2.21	20.08	0.88
2.100	0.96	8.100	1.92	14.100	2.21	20.10	0.88
2.117	0.96	8.117	1.92	14.117	2.21	20.12	0.88
2.133	0.96	8.133	1.92	14.133	2.21	20.13	0.88
2.150	0.96	8.150	1.92	14.150	2.21	20.15	0.88
2.167	0.96	8.167	1.92	14.167	2.21	20.17	0.88
2.183	0.96	8.183	1.92	14.183	2.21	20.18	0.88
2.200	0.96	8.200	1.92	14.200	2.21	20.20	0.88
2.217	0.96	8.217	1.92	14.217	2.21	20.22	0.88
2.233	0.96	8.233	1.92	14.233	2.21	20.23	0.88
2.250	0.96	8.250	1.92	14.250	2.21	20.25	0.88
2.267	0.96	8.267	1.92	14.267	2.21	20.27	0.88
2.283	0.96	8.283	1.92	14.283	2.21	20.28	0.88
2.300	0.96	8.300	1.92	14.300	2.21	20.30	0.88
2.317	0.96	8.317	1.92	14.317	2.21	20.32	0.88
2.333	0.96	8.333	1.92	14.333	2.21	20.33	0.88
2.350	0.96	8.350	1.92	14.350	2.21	20.35	0.88
2.367	0.96	8.367	1.92	14.367	2.21	20.37	0.88
2.383	0.96	8.383	1.92	14.383	2.21	20.38	0.88
2.400	0.96	8.400	1.92	14.400	2.21	20.40	0.88

2.417	0.96	8.417	1.92	14.417	2.21	20.42	0.88
2.433	0.96	8.433	1.92	14.433	2.21	20.43	0.88
2.450	0.96	8.450	1.92	14.450	2.21	20.45	0.88
2.467	0.96	8.467	1.92	14.467	2.21	20.47	0.88
2.483	0.96	8.483	1.92	14.483	2.21	20.48	0.88
2.500	0.96	8.500	1.92	14.500	2.21	20.50	0.88
2.517	0.96	8.517	2.06	14.517	2.21	20.52	0.88
2.533	0.96	8.533	2.06	14.533	2.21	20.53	0.88
2.550	0.96	8.550	2.06	14.550	2.21	20.55	0.88
2.567	0.96	8.567	2.06	14.567	2.21	20.57	0.88
2.583	0.96	8.583	2.06	14.583	2.21	20.58	0.88
2.600	0.96	8.600	2.06	14.600	2.21	20.60	0.88
2.617	0.96	8.617	2.06	14.617	2.21	20.62	0.88
2.633	0.96	8.633	2.06	14.633	2.21	20.63	0.88
2.650	0.96	8.650	2.06	14.650	2.21	20.65	0.88
2.667	0.96	8.667	2.06	14.667	2.21	20.67	0.88
2.683	0.96	8.683	2.06	14.683	2.21	20.68	0.88
2.700	0.96	8.700	2.06	14.700	2.21	20.70	0.88
2.717	0.96	8.717	2.06	14.717	2.21	20.72	0.88
2.733	0.96	8.733	2.06	14.733	2.21	20.73	0.88
2.750	0.96	8.750	2.06	14.750	2.21	20.75	0.88
2.767	0.96	8.767	2.06	14.767	2.21	20.77	0.88
2.783	0.96	8.783	2.06	14.783	2.21	20.78	0.88
2.800	0.96	8.800	2.06	14.800	2.21	20.80	0.88
2.817	0.96	8.817	2.06	14.817	2.21	20.82	0.88
2.833	0.96	8.833	2.06	14.833	2.21	20.83	0.88
2.850	0.96	8.850	2.06	14.850	2.21	20.85	0.88
2.867	0.96	8.867	2.06	14.867	2.21	20.87	0.88
2.883	0.96	8.883	2.06	14.883	2.21	20.88	0.88
2.900	0.96	8.900	2.06	14.900	2.21	20.90	0.88
2.917	0.96	8.917	2.06	14.917	2.21	20.92	0.88
2.933	0.96	8.933	2.06	14.933	2.21	20.93	0.88
2.950	0.96	8.950	2.06	14.950	2.21	20.95	0.88
2.967	0.96	8.967	2.06	14.967	2.21	20.97	0.88
2.983	0.96	8.983	2.06	14.983	2.21	20.98	0.88
3.000	0.96	9.000	2.06	15.000	2.21	21.00	0.88
3.017	0.96	9.017	2.36	15.017	2.21	21.02	0.88
3.033	0.96	9.033	2.36	15.033	2.21	21.03	0.88
3.050	0.96	9.050	2.36	15.050	2.21	21.05	0.88
3.067	0.96	9.067	2.36	15.067	2.21	21.07	0.88
3.083	0.96	9.083	2.36	15.083	2.21	21.08	0.88
3.100	0.96	9.100	2.36	15.100	2.21	21.10	0.88
3.117	0.96	9.117	2.36	15.117	2.21	21.12	0.88
3.133	0.96	9.133	2.36	15.133	2.21	21.13	0.88
3.150	0.96	9.150	2.36	15.150	2.21	21.15	0.88
3.167	0.96	9.167	2.36	15.167	2.21	21.17	0.88
3.183	0.96	9.183	2.36	15.183	2.21	21.18	0.88
3.200	0.96	9.200	2.36	15.200	2.21	21.20	0.88
3.217	0.96	9.217	2.36	15.217	2.21	21.22	0.88
3.233	0.96	9.233	2.36	15.233	2.21	21.23	0.88
3.250	0.96	9.250	2.36	15.250	2.21	21.25	0.88
3.267	0.96	9.267	2.36	15.267	2.21	21.27	0.88
3.283	0.96	9.283	2.36	15.283	2.21	21.28	0.88
3.300	0.96	9.300	2.36	15.300	2.21	21.30	0.88
3.317	0.96	9.317	2.36	15.317	2.21	21.32	0.88
3.333	0.96	9.333	2.36	15.333	2.21	21.33	0.88
3.350	0.96	9.350	2.36	15.350	2.21	21.35	0.88
3.367	0.96	9.367	2.36	15.367	2.21	21.37	0.88
3.383	0.96	9.383	2.36	15.383	2.21	21.38	0.88
3.400	0.96	9.400	2.36	15.400	2.21	21.40	0.88
3.417	0.96	9.417	2.36	15.417	2.21	21.42	0.88
3.433	0.96	9.433	2.36	15.433	2.21	21.43	0.88
3.450	0.96	9.450	2.36	15.450	2.21	21.45	0.88
3.467	0.96	9.467	2.36	15.467	2.21	21.47	0.88
3.483	0.96	9.483	2.36	15.483	2.21	21.48	0.88
3.500	0.96	9.500	2.36	15.500	2.21	21.50	0.88
3.517	0.96	9.517	2.65	15.517	2.21	21.52	0.88
3.533	0.96	9.533	2.65	15.533	2.21	21.53	0.88
3.550	0.96	9.550	2.65	15.550	2.21	21.55	0.88
3.567	0.96	9.567	2.65	15.567	2.21	21.57	0.88
3.583	0.96	9.583	2.65	15.583	2.21	21.58	0.88
3.600	0.96	9.600	2.65	15.600	2.21	21.60	0.88
3.617	0.96	9.617	2.65	15.617	2.21	21.62	0.88
3.633	0.96	9.633	2.65	15.633	2.21	21.63	0.88
3.650	0.96	9.650	2.65	15.650	2.21	21.65	0.88
3.667	0.96	9.667	2.65	15.667	2.21	21.67	0.88
3.683	0.96	9.683	2.65	15.683	2.21	21.68	0.88
3.700	0.96	9.700	2.65	15.700	2.21	21.70	0.88
3.717	0.96	9.717	2.65	15.717	2.21	21.72	0.88
3.733	0.96	9.733	2.65	15.733	2.21	21.73	0.88
3.750	0.96	9.750	2.65	15.750	2.21	21.75	0.88
3.767	0.96	9.767	2.65	15.767	2.21	21.77	0.88
3.783	0.96	9.783	2.65	15.783	2.21	21.78	0.88
3.800	0.96	9.800	2.65	15.800	2.21	21.80	0.88

3.817	0.96	9.817	2.65	15.817	2.21	21.82	0.88
3.833	0.96	9.833	2.65	15.833	2.21	21.83	0.88
3.850	0.96	9.850	2.65	15.850	2.21	21.85	0.88
3.867	0.96	9.867	2.65	15.867	2.21	21.87	0.88
3.883	0.96	9.883	2.65	15.883	2.21	21.88	0.88
3.900	0.96	9.900	2.65	15.900	2.21	21.90	0.88
3.917	0.96	9.917	2.65	15.917	2.21	21.92	0.88
3.933	0.96	9.933	2.65	15.933	2.21	21.93	0.88
3.950	0.96	9.950	2.65	15.950	2.21	21.95	0.88
3.967	0.96	9.967	2.65	15.967	2.21	21.97	0.88
3.983	0.96	9.983	2.65	15.983	2.21	21.98	0.88
4.000	0.96	10.000	2.65	16.000	2.21	22.00	0.88
4.017	1.18	10.017	3.39	16.017	1.33	22.02	0.88
4.033	1.18	10.033	3.39	16.033	1.33	22.03	0.88
4.050	1.18	10.050	3.39	16.050	1.33	22.05	0.88
4.067	1.18	10.067	3.39	16.067	1.33	22.07	0.88
4.083	1.18	10.083	3.39	16.083	1.33	22.08	0.88
4.100	1.18	10.100	3.39	16.100	1.33	22.10	0.88
4.117	1.18	10.117	3.39	16.117	1.33	22.12	0.88
4.133	1.18	10.133	3.39	16.133	1.33	22.13	0.88
4.150	1.18	10.150	3.39	16.150	1.33	22.15	0.88
4.167	1.18	10.167	3.39	16.167	1.33	22.17	0.88
4.183	1.18	10.183	3.39	16.183	1.33	22.18	0.88
4.200	1.18	10.200	3.39	16.200	1.33	22.20	0.88
4.217	1.18	10.217	3.39	16.217	1.33	22.22	0.88
4.233	1.18	10.233	3.39	16.233	1.33	22.23	0.88
4.250	1.18	10.250	3.39	16.250	1.33	22.25	0.88
4.267	1.18	10.267	3.39	16.267	1.33	22.27	0.88
4.283	1.18	10.283	3.39	16.283	1.33	22.28	0.88
4.300	1.18	10.300	3.39	16.300	1.33	22.30	0.88
4.317	1.18	10.317	3.39	16.317	1.33	22.32	0.88
4.333	1.18	10.333	3.39	16.333	1.33	22.33	0.88
4.350	1.18	10.350	3.39	16.350	1.33	22.35	0.88
4.367	1.18	10.367	3.39	16.367	1.33	22.37	0.88
4.383	1.18	10.383	3.39	16.383	1.33	22.38	0.88
4.400	1.18	10.400	3.39	16.400	1.33	22.40	0.88
4.417	1.18	10.417	3.39	16.417	1.33	22.42	0.88
4.433	1.18	10.433	3.39	16.433	1.33	22.43	0.88
4.450	1.18	10.450	3.39	16.450	1.33	22.45	0.88
4.467	1.18	10.467	3.39	16.467	1.33	22.47	0.88
4.483	1.18	10.483	3.39	16.483	1.33	22.48	0.88
4.500	1.18	10.500	3.39	16.500	1.33	22.50	0.88
4.517	1.18	10.517	4.57	16.517	1.33	22.52	0.88
4.533	1.18	10.533	4.57	16.533	1.33	22.53	0.88
4.550	1.18	10.550	4.57	16.550	1.33	22.55	0.88
4.567	1.18	10.567	4.57	16.567	1.33	22.57	0.88
4.583	1.18	10.583	4.57	16.583	1.33	22.58	0.88
4.600	1.18	10.600	4.57	16.600	1.33	22.60	0.88
4.617	1.18	10.617	4.57	16.617	1.33	22.62	0.88
4.633	1.18	10.633	4.57	16.633	1.33	22.63	0.88
4.650	1.18	10.650	4.57	16.650	1.33	22.65	0.88
4.667	1.18	10.667	4.57	16.667	1.33	22.67	0.88
4.683	1.18	10.683	4.57	16.683	1.33	22.68	0.88
4.700	1.18	10.700	4.57	16.700	1.33	22.70	0.88
4.717	1.18	10.717	4.57	16.717	1.33	22.72	0.88
4.733	1.18	10.733	4.57	16.733	1.33	22.73	0.88
4.750	1.18	10.750	4.57	16.750	1.33	22.75	0.88
4.767	1.18	10.767	4.57	16.767	1.33	22.77	0.88
4.783	1.18	10.783	4.57	16.783	1.33	22.78	0.88
4.800	1.18	10.800	4.57	16.800	1.33	22.80	0.88
4.817	1.18	10.817	4.57	16.817	1.33	22.82	0.88
4.833	1.18	10.833	4.57	16.833	1.33	22.83	0.88
4.850	1.18	10.850	4.57	16.850	1.33	22.85	0.88
4.867	1.18	10.867	4.57	16.867	1.33	22.87	0.88
4.883	1.18	10.883	4.57	16.883	1.33	22.88	0.88
4.900	1.18	10.900	4.57	16.900	1.33	22.90	0.88
4.917	1.18	10.917	4.57	16.917	1.33	22.92	0.88
4.933	1.18	10.933	4.57	16.933	1.33	22.93	0.88
4.950	1.18	10.950	4.57	16.950	1.33	22.95	0.88
4.967	1.18	10.967	4.57	16.967	1.33	22.97	0.88
4.983	1.18	10.983	4.57	16.983	1.33	22.98	0.88
5.000	1.18	11.000	4.57	17.000	1.33	23.00	0.88
5.017	1.18	11.017	7.07	17.017	1.33	23.02	0.88
5.033	1.18	11.033	7.07	17.033	1.33	23.03	0.88
5.050	1.18	11.050	7.07	17.050	1.33	23.05	0.88
5.067	1.18	11.067	7.07	17.067	1.33	23.07	0.88
5.083	1.18	11.083	7.07	17.083	1.33	23.08	0.88
5.100	1.18	11.100	7.07	17.100	1.33	23.10	0.88
5.117	1.18	11.117	7.07	17.117	1.33	23.12	0.88
5.133	1.18	11.133	7.07	17.133	1.33	23.13	0.88
5.150	1.18	11.150	7.07	17.150	1.33	23.15	0.88
5.167	1.18	11.167	7.07	17.167	1.33	23.17	0.88
5.183	1.18	11.183	7.07	17.183	1.33	23.18	0.88
5.200	1.18	11.200	7.07	17.200	1.33	23.20	0.88

5.217	1.18	11.217	7.07	17.217	1.33	23.22	0.88
5.233	1.18	11.233	7.07	17.233	1.33	23.23	0.88
5.250	1.18	11.250	7.07	17.250	1.33	23.25	0.88
5.267	1.18	11.267	7.07	17.267	1.33	23.27	0.88
5.283	1.18	11.283	7.07	17.283	1.33	23.28	0.88
5.300	1.18	11.300	7.07	17.300	1.33	23.30	0.88
5.317	1.18	11.317	7.07	17.317	1.33	23.32	0.88
5.333	1.18	11.333	7.07	17.333	1.33	23.33	0.88
5.350	1.18	11.350	7.07	17.350	1.33	23.35	0.88
5.367	1.18	11.367	7.07	17.367	1.33	23.37	0.88
5.383	1.18	11.383	7.07	17.383	1.33	23.38	0.88
5.400	1.18	11.400	7.07	17.400	1.33	23.40	0.88
5.417	1.18	11.417	7.07	17.417	1.33	23.42	0.88
5.433	1.18	11.433	7.07	17.433	1.33	23.43	0.88
5.450	1.18	11.450	7.07	17.450	1.33	23.45	0.88
5.467	1.18	11.467	7.07	17.467	1.33	23.47	0.88
5.483	1.18	11.483	7.07	17.483	1.33	23.48	0.88
5.500	1.18	11.500	7.07	17.500	1.33	23.50	0.88
5.517	1.18	11.517	21.81	17.517	1.33	23.52	0.88
5.533	1.18	11.533	21.81	17.533	1.33	23.53	0.88
5.550	1.18	11.550	21.81	17.550	1.33	23.55	0.88
5.567	1.18	11.567	21.81	17.567	1.33	23.57	0.88
5.583	1.18	11.583	21.81	17.583	1.33	23.58	0.88
5.600	1.18	11.600	21.81	17.600	1.33	23.60	0.88
5.617	1.18	11.617	21.81	17.617	1.33	23.62	0.88
5.633	1.18	11.633	21.81	17.633	1.33	23.63	0.88
5.650	1.18	11.650	21.81	17.650	1.33	23.65	0.88
5.667	1.18	11.667	21.81	17.667	1.33	23.67	0.88
5.683	1.18	11.683	21.81	17.683	1.33	23.68	0.88
5.700	1.18	11.700	21.81	17.700	1.33	23.70	0.88
5.717	1.18	11.717	21.81	17.717	1.33	23.72	0.88
5.733	1.18	11.733	21.81	17.733	1.33	23.73	0.88
5.750	1.18	11.750	21.81	17.750	1.33	23.75	0.88
5.767	1.18	11.767	90.16	17.767	1.33	23.77	0.88
5.783	1.18	11.783	90.20	17.783	1.33	23.78	0.88
5.800	1.18	11.800	90.20	17.800	1.33	23.80	0.88
5.817	1.18	11.817	90.20	17.817	1.33	23.82	0.88
5.833	1.18	11.833	90.20	17.833	1.33	23.83	0.88
5.850	1.18	11.850	90.20	17.850	1.33	23.85	0.88
5.867	1.18	11.867	90.20	17.867	1.33	23.87	0.88
5.883	1.18	11.883	90.20	17.883	1.33	23.88	0.88
5.900	1.18	11.900	90.20	17.900	1.33	23.90	0.88
5.917	1.18	11.917	90.20	17.917	1.33	23.92	0.88
5.933	1.18	11.933	90.20	17.933	1.33	23.93	0.88
5.950	1.18	11.950	90.20	17.950	1.33	23.95	0.88
5.967	1.18	11.967	90.20	17.967	1.33	23.97	0.88
5.983	1.18	11.983	90.20	17.983	1.33	23.98	0.88
6.000	1.18	12.000	90.20	18.000	1.33	24.00	0.88

Max.Eff.Inten.(mm/hr)= 90.20 59.90
over (min) 5.00 12.00
Storage Coeff. (min)= 4.80 (ii) 11.11 (ii)
Unit Hyd. Tpeak (min)= 5.00 12.00
Unit Hyd. peak (cms)= 0.23 0.10

TOTALS
PEAK FLOW (cms)= 0.11 0.03 0.134 (iii)
TIME TO PEAK (hrs)= 12.00 12.10 12.02
RUNOFF VOLUME (mm)= 71.68 24.80 46.84
TOTAL RAINFALL (mm)= 73.69 73.69 73.69
RUNOFF COEFFICIENT = 0.97 0.34 0.64

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

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| ADD HYD ( 0017) |
| 1 + 2 = 3 |
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ID1= 1 ( 0204): 0.96 0.134 12.02 46.84
+ ID2= 2 ( 0205): 14.50 0.328 12.38 12.54
=====
ID = 3 ( 0017): 15.46 0.358 12.35 18.27

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NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

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| ADD HYD ( 0017) |

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3 + 2 = 1	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 3 (0017):	15.46	0.358	12.35	18.27
+ ID2= 2 (0087):	15.86	0.510	12.32	16.79
=====				
ID = 1 (0017):	31.32	0.867	12.32	19.77

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB STANDHYD (0012) ID= 1 DT= 1.0 min	Area (ha)= 1.18 Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	4.60
Average Slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.81	6.017	1.33	12.017	10.67	18.02	1.33
0.033	0.81	6.033	1.33	12.033	10.61	18.03	1.33
0.050	0.81	6.050	1.33	12.050	10.61	18.05	1.33
0.067	0.81	6.067	1.33	12.067	10.61	18.07	1.33
0.083	0.81	6.083	1.33	12.083	10.61	18.08	1.33
0.100	0.81	6.100	1.33	12.100	10.61	18.10	1.33
0.117	0.81	6.117	1.33	12.117	10.61	18.12	1.33
0.133	0.81	6.133	1.33	12.133	10.61	18.13	1.33
0.150	0.81	6.150	1.33	12.150	10.61	18.15	1.33
0.167	0.81	6.167	1.33	12.167	10.61	18.17	1.33
0.183	0.81	6.183	1.33	12.183	10.61	18.18	1.33
0.200	0.81	6.200	1.33	12.200	10.61	18.20	1.33
0.217	0.81	6.217	1.33	12.217	10.61	18.22	1.33
0.233	0.81	6.233	1.33	12.233	10.61	18.23	1.33
0.250	0.81	6.250	1.33	12.250	10.61	18.25	1.33
0.267	0.81	6.267	1.33	12.267	10.61	18.27	1.33
0.283	0.81	6.283	1.33	12.283	10.61	18.28	1.33
0.300	0.81	6.300	1.33	12.300	10.61	18.30	1.33
0.317	0.81	6.317	1.33	12.317	10.61	18.32	1.33
0.333	0.81	6.333	1.33	12.333	10.61	18.33	1.33
0.350	0.81	6.350	1.33	12.350	10.61	18.35	1.33
0.367	0.81	6.367	1.33	12.367	10.61	18.37	1.33
0.383	0.81	6.383	1.33	12.383	10.61	18.38	1.33
0.400	0.81	6.400	1.33	12.400	10.61	18.40	1.33
0.417	0.81	6.417	1.33	12.417	10.61	18.42	1.33
0.433	0.81	6.433	1.33	12.433	10.61	18.43	1.33
0.450	0.81	6.450	1.33	12.450	10.61	18.45	1.33
0.467	0.81	6.467	1.33	12.467	10.61	18.47	1.33
0.483	0.81	6.483	1.33	12.483	10.61	18.48	1.33
0.500	0.81	6.500	1.33	12.500	10.61	18.50	1.33
0.517	0.81	6.517	1.33	12.517	5.46	18.52	1.33
0.533	0.81	6.533	1.33	12.533	5.45	18.53	1.33
0.550	0.81	6.550	1.33	12.550	5.45	18.55	1.33
0.567	0.81	6.567	1.33	12.567	5.45	18.57	1.33
0.583	0.81	6.583	1.33	12.583	5.45	18.58	1.33
0.600	0.81	6.600	1.33	12.600	5.45	18.60	1.33
0.617	0.81	6.617	1.33	12.617	5.45	18.62	1.33
0.633	0.81	6.633	1.33	12.633	5.45	18.63	1.33
0.650	0.81	6.650	1.33	12.650	5.45	18.65	1.33
0.667	0.81	6.667	1.33	12.667	5.45	18.67	1.33
0.683	0.81	6.683	1.33	12.683	5.45	18.68	1.33
0.700	0.81	6.700	1.33	12.700	5.45	18.70	1.33
0.717	0.81	6.717	1.33	12.717	5.45	18.72	1.33
0.733	0.81	6.733	1.33	12.733	5.45	18.73	1.33
0.750	0.81	6.750	1.33	12.750	5.45	18.75	1.33
0.767	0.81	6.767	1.33	12.767	5.45	18.77	1.33
0.783	0.81	6.783	1.33	12.783	5.45	18.78	1.33
0.800	0.81	6.800	1.33	12.800	5.45	18.80	1.33
0.817	0.81	6.817	1.33	12.817	5.45	18.82	1.33
0.833	0.81	6.833	1.33	12.833	5.45	18.83	1.33
0.850	0.81	6.850	1.33	12.850	5.45	18.85	1.33
0.867	0.81	6.867	1.33	12.867	5.45	18.87	1.33
0.883	0.81	6.883	1.33	12.883	5.45	18.88	1.33
0.900	0.81	6.900	1.33	12.900	5.45	18.90	1.33
0.917	0.81	6.917	1.33	12.917	5.45	18.92	1.33
0.933	0.81	6.933	1.33	12.933	5.45	18.93	1.33
0.950	0.81	6.950	1.33	12.950	5.45	18.95	1.33

0.967	0.81	6.967	1.33	12.967	5.45	18.97	1.33
0.983	0.81	6.983	1.33	12.983	5.45	18.98	1.33
1.000	0.81	7.000	1.33	13.000	5.45	19.00	1.33
1.017	0.81	7.017	1.62	13.017	3.98	19.02	1.33
1.033	0.81	7.033	1.62	13.033	3.98	19.03	1.33
1.050	0.81	7.050	1.62	13.050	3.98	19.05	1.33
1.067	0.81	7.067	1.62	13.067	3.98	19.07	1.33
1.083	0.81	7.083	1.62	13.083	3.98	19.08	1.33
1.100	0.81	7.100	1.62	13.100	3.98	19.10	1.33
1.117	0.81	7.117	1.62	13.117	3.98	19.12	1.33
1.133	0.81	7.133	1.62	13.133	3.98	19.13	1.33
1.150	0.81	7.150	1.62	13.150	3.98	19.15	1.33
1.167	0.81	7.167	1.62	13.167	3.98	19.17	1.33
1.183	0.81	7.183	1.62	13.183	3.98	19.18	1.33
1.200	0.81	7.200	1.62	13.200	3.98	19.20	1.33
1.217	0.81	7.217	1.62	13.217	3.98	19.22	1.33
1.233	0.81	7.233	1.62	13.233	3.98	19.23	1.33
1.250	0.81	7.250	1.62	13.250	3.98	19.25	1.33
1.267	0.81	7.267	1.62	13.267	3.98	19.27	1.33
1.283	0.81	7.283	1.62	13.283	3.98	19.28	1.33
1.300	0.81	7.300	1.62	13.300	3.98	19.30	1.33
1.317	0.81	7.317	1.62	13.317	3.98	19.32	1.33
1.333	0.81	7.333	1.62	13.333	3.98	19.33	1.33
1.350	0.81	7.350	1.62	13.350	3.98	19.35	1.33
1.367	0.81	7.367	1.62	13.367	3.98	19.37	1.33
1.383	0.81	7.383	1.62	13.383	3.98	19.38	1.33
1.400	0.81	7.400	1.62	13.400	3.98	19.40	1.33
1.417	0.81	7.417	1.62	13.417	3.98	19.42	1.33
1.433	0.81	7.433	1.62	13.433	3.98	19.43	1.33
1.450	0.81	7.450	1.62	13.450	3.98	19.45	1.33
1.467	0.81	7.467	1.62	13.467	3.98	19.47	1.33
1.483	0.81	7.483	1.62	13.483	3.98	19.48	1.33
1.500	0.81	7.500	1.62	13.500	3.98	19.50	1.33
1.517	0.81	7.517	1.62	13.517	3.10	19.52	1.33
1.533	0.81	7.533	1.62	13.533	3.09	19.53	1.33
1.550	0.81	7.550	1.62	13.550	3.09	19.55	1.33
1.567	0.81	7.567	1.62	13.567	3.09	19.57	1.33
1.583	0.81	7.583	1.62	13.583	3.09	19.58	1.33
1.600	0.81	7.600	1.62	13.600	3.09	19.60	1.33
1.617	0.81	7.617	1.62	13.617	3.09	19.62	1.33
1.633	0.81	7.633	1.62	13.633	3.09	19.63	1.33
1.650	0.81	7.650	1.62	13.650	3.09	19.65	1.33
1.667	0.81	7.667	1.62	13.667	3.09	19.67	1.33
1.683	0.81	7.683	1.62	13.683	3.09	19.68	1.33
1.700	0.81	7.700	1.62	13.700	3.09	19.70	1.33
1.717	0.81	7.717	1.62	13.717	3.09	19.72	1.33
1.733	0.81	7.733	1.62	13.733	3.09	19.73	1.33
1.750	0.81	7.750	1.62	13.750	3.09	19.75	1.33
1.767	0.81	7.767	1.62	13.767	3.09	19.77	1.33
1.783	0.81	7.783	1.62	13.783	3.09	19.78	1.33
1.800	0.81	7.800	1.62	13.800	3.09	19.80	1.33
1.817	0.81	7.817	1.62	13.817	3.09	19.82	1.33
1.833	0.81	7.833	1.62	13.833	3.09	19.83	1.33
1.850	0.81	7.850	1.62	13.850	3.09	19.85	1.33
1.867	0.81	7.867	1.62	13.867	3.09	19.87	1.33
1.883	0.81	7.883	1.62	13.883	3.09	19.88	1.33
1.900	0.81	7.900	1.62	13.900	3.09	19.90	1.33
1.917	0.81	7.917	1.62	13.917	3.09	19.92	1.33
1.933	0.81	7.933	1.62	13.933	3.09	19.93	1.33
1.950	0.81	7.950	1.62	13.950	3.09	19.95	1.33
1.967	0.81	7.967	1.62	13.967	3.09	19.97	1.33
1.983	0.81	7.983	1.62	13.983	3.09	19.98	1.33
2.000	0.81	8.000	1.62	14.000	3.09	20.00	1.33
2.017	0.96	8.017	1.92	14.017	2.21	20.02	0.89
2.033	0.96	8.033	1.92	14.033	2.21	20.03	0.88
2.050	0.96	8.050	1.92	14.050	2.21	20.05	0.88
2.067	0.96	8.067	1.92	14.067	2.21	20.07	0.88
2.083	0.96	8.083	1.92	14.083	2.21	20.08	0.88
2.100	0.96	8.100	1.92	14.100	2.21	20.10	0.88
2.117	0.96	8.117	1.92	14.117	2.21	20.12	0.88
2.133	0.96	8.133	1.92	14.133	2.21	20.13	0.88
2.150	0.96	8.150	1.92	14.150	2.21	20.15	0.88
2.167	0.96	8.167	1.92	14.167	2.21	20.17	0.88
2.183	0.96	8.183	1.92	14.183	2.21	20.18	0.88
2.200	0.96	8.200	1.92	14.200	2.21	20.20	0.88
2.217	0.96	8.217	1.92	14.217	2.21	20.22	0.88
2.233	0.96	8.233	1.92	14.233	2.21	20.23	0.88
2.250	0.96	8.250	1.92	14.250	2.21	20.25	0.88
2.267	0.96	8.267	1.92	14.267	2.21	20.27	0.88
2.283	0.96	8.283	1.92	14.283	2.21	20.28	0.88
2.300	0.96	8.300	1.92	14.300	2.21	20.30	0.88
2.317	0.96	8.317	1.92	14.317	2.21	20.32	0.88
2.333	0.96	8.333	1.92	14.333	2.21	20.33	0.88
2.350	0.96	8.350	1.92	14.350	2.21	20.35	0.88

2.367	0.96	8.367	1.92	14.367	2.21	20.37	0.88
2.383	0.96	8.383	1.92	14.383	2.21	20.38	0.88
2.400	0.96	8.400	1.92	14.400	2.21	20.40	0.88
2.417	0.96	8.417	1.92	14.417	2.21	20.42	0.88
2.433	0.96	8.433	1.92	14.433	2.21	20.43	0.88
2.450	0.96	8.450	1.92	14.450	2.21	20.45	0.88
2.467	0.96	8.467	1.92	14.467	2.21	20.47	0.88
2.483	0.96	8.483	1.92	14.483	2.21	20.48	0.88
2.500	0.96	8.500	1.92	14.500	2.21	20.50	0.88
2.517	0.96	8.517	2.06	14.517	2.21	20.52	0.88
2.533	0.96	8.533	2.06	14.533	2.21	20.53	0.88
2.550	0.96	8.550	2.06	14.550	2.21	20.55	0.88
2.567	0.96	8.567	2.06	14.567	2.21	20.57	0.88
2.583	0.96	8.583	2.06	14.583	2.21	20.58	0.88
2.600	0.96	8.600	2.06	14.600	2.21	20.60	0.88
2.617	0.96	8.617	2.06	14.617	2.21	20.62	0.88
2.633	0.96	8.633	2.06	14.633	2.21	20.63	0.88
2.650	0.96	8.650	2.06	14.650	2.21	20.65	0.88
2.667	0.96	8.667	2.06	14.667	2.21	20.67	0.88
2.683	0.96	8.683	2.06	14.683	2.21	20.68	0.88
2.700	0.96	8.700	2.06	14.700	2.21	20.70	0.88
2.717	0.96	8.717	2.06	14.717	2.21	20.72	0.88
2.733	0.96	8.733	2.06	14.733	2.21	20.73	0.88
2.750	0.96	8.750	2.06	14.750	2.21	20.75	0.88
2.767	0.96	8.767	2.06	14.767	2.21	20.77	0.88
2.783	0.96	8.783	2.06	14.783	2.21	20.78	0.88
2.800	0.96	8.800	2.06	14.800	2.21	20.80	0.88
2.817	0.96	8.817	2.06	14.817	2.21	20.82	0.88
2.833	0.96	8.833	2.06	14.833	2.21	20.83	0.88
2.850	0.96	8.850	2.06	14.850	2.21	20.85	0.88
2.867	0.96	8.867	2.06	14.867	2.21	20.87	0.88
2.883	0.96	8.883	2.06	14.883	2.21	20.88	0.88
2.900	0.96	8.900	2.06	14.900	2.21	20.90	0.88
2.917	0.96	8.917	2.06	14.917	2.21	20.92	0.88
2.933	0.96	8.933	2.06	14.933	2.21	20.93	0.88
2.950	0.96	8.950	2.06	14.950	2.21	20.95	0.88
2.967	0.96	8.967	2.06	14.967	2.21	20.97	0.88
2.983	0.96	8.983	2.06	14.983	2.21	20.98	0.88
3.000	0.96	9.000	2.06	15.000	2.21	21.00	0.88
3.017	0.96	9.017	2.36	15.017	2.21	21.02	0.88
3.033	0.96	9.033	2.36	15.033	2.21	21.03	0.88
3.050	0.96	9.050	2.36	15.050	2.21	21.05	0.88
3.067	0.96	9.067	2.36	15.067	2.21	21.07	0.88
3.083	0.96	9.083	2.36	15.083	2.21	21.08	0.88
3.100	0.96	9.100	2.36	15.100	2.21	21.10	0.88
3.117	0.96	9.117	2.36	15.117	2.21	21.12	0.88
3.133	0.96	9.133	2.36	15.133	2.21	21.13	0.88
3.150	0.96	9.150	2.36	15.150	2.21	21.15	0.88
3.167	0.96	9.167	2.36	15.167	2.21	21.17	0.88
3.183	0.96	9.183	2.36	15.183	2.21	21.18	0.88
3.200	0.96	9.200	2.36	15.200	2.21	21.20	0.88
3.217	0.96	9.217	2.36	15.217	2.21	21.22	0.88
3.233	0.96	9.233	2.36	15.233	2.21	21.23	0.88
3.250	0.96	9.250	2.36	15.250	2.21	21.25	0.88
3.267	0.96	9.267	2.36	15.267	2.21	21.27	0.88
3.283	0.96	9.283	2.36	15.283	2.21	21.28	0.88
3.300	0.96	9.300	2.36	15.300	2.21	21.30	0.88
3.317	0.96	9.317	2.36	15.317	2.21	21.32	0.88
3.333	0.96	9.333	2.36	15.333	2.21	21.33	0.88
3.350	0.96	9.350	2.36	15.350	2.21	21.35	0.88
3.367	0.96	9.367	2.36	15.367	2.21	21.37	0.88
3.383	0.96	9.383	2.36	15.383	2.21	21.38	0.88
3.400	0.96	9.400	2.36	15.400	2.21	21.40	0.88
3.417	0.96	9.417	2.36	15.417	2.21	21.42	0.88
3.433	0.96	9.433	2.36	15.433	2.21	21.43	0.88
3.450	0.96	9.450	2.36	15.450	2.21	21.45	0.88
3.467	0.96	9.467	2.36	15.467	2.21	21.47	0.88
3.483	0.96	9.483	2.36	15.483	2.21	21.48	0.88
3.500	0.96	9.500	2.36	15.500	2.21	21.50	0.88
3.517	0.96	9.517	2.65	15.517	2.21	21.52	0.88
3.533	0.96	9.533	2.65	15.533	2.21	21.53	0.88
3.550	0.96	9.550	2.65	15.550	2.21	21.55	0.88
3.567	0.96	9.567	2.65	15.567	2.21	21.57	0.88
3.583	0.96	9.583	2.65	15.583	2.21	21.58	0.88
3.600	0.96	9.600	2.65	15.600	2.21	21.60	0.88
3.617	0.96	9.617	2.65	15.617	2.21	21.62	0.88
3.633	0.96	9.633	2.65	15.633	2.21	21.63	0.88
3.650	0.96	9.650	2.65	15.650	2.21	21.65	0.88
3.667	0.96	9.667	2.65	15.667	2.21	21.67	0.88
3.683	0.96	9.683	2.65	15.683	2.21	21.68	0.88
3.700	0.96	9.700	2.65	15.700	2.21	21.70	0.88
3.717	0.96	9.717	2.65	15.717	2.21	21.72	0.88
3.733	0.96	9.733	2.65	15.733	2.21	21.73	0.88
3.750	0.96	9.750	2.65	15.750	2.21	21.75	0.88

3.767	0.96	9.767	2.65	15.767	2.21	21.77	0.88
3.783	0.96	9.783	2.65	15.783	2.21	21.78	0.88
3.800	0.96	9.800	2.65	15.800	2.21	21.80	0.88
3.817	0.96	9.817	2.65	15.817	2.21	21.82	0.88
3.833	0.96	9.833	2.65	15.833	2.21	21.83	0.88
3.850	0.96	9.850	2.65	15.850	2.21	21.85	0.88
3.867	0.96	9.867	2.65	15.867	2.21	21.87	0.88
3.883	0.96	9.883	2.65	15.883	2.21	21.88	0.88
3.900	0.96	9.900	2.65	15.900	2.21	21.90	0.88
3.917	0.96	9.917	2.65	15.917	2.21	21.92	0.88
3.933	0.96	9.933	2.65	15.933	2.21	21.93	0.88
3.950	0.96	9.950	2.65	15.950	2.21	21.95	0.88
3.967	0.96	9.967	2.65	15.967	2.21	21.97	0.88
3.983	0.96	9.983	2.65	15.983	2.21	21.98	0.88
4.000	0.96	10.000	2.65	16.000	2.21	22.00	0.88
4.017	1.18	10.017	3.39	16.017	1.33	22.02	0.88
4.033	1.18	10.033	3.39	16.033	1.33	22.03	0.88
4.050	1.18	10.050	3.39	16.050	1.33	22.05	0.88
4.067	1.18	10.067	3.39	16.067	1.33	22.07	0.88
4.083	1.18	10.083	3.39	16.083	1.33	22.08	0.88
4.100	1.18	10.100	3.39	16.100	1.33	22.10	0.88
4.117	1.18	10.117	3.39	16.117	1.33	22.12	0.88
4.133	1.18	10.133	3.39	16.133	1.33	22.13	0.88
4.150	1.18	10.150	3.39	16.150	1.33	22.15	0.88
4.167	1.18	10.167	3.39	16.167	1.33	22.17	0.88
4.183	1.18	10.183	3.39	16.183	1.33	22.18	0.88
4.200	1.18	10.200	3.39	16.200	1.33	22.20	0.88
4.217	1.18	10.217	3.39	16.217	1.33	22.22	0.88
4.233	1.18	10.233	3.39	16.233	1.33	22.23	0.88
4.250	1.18	10.250	3.39	16.250	1.33	22.25	0.88
4.267	1.18	10.267	3.39	16.267	1.33	22.27	0.88
4.283	1.18	10.283	3.39	16.283	1.33	22.28	0.88
4.300	1.18	10.300	3.39	16.300	1.33	22.30	0.88
4.317	1.18	10.317	3.39	16.317	1.33	22.32	0.88
4.333	1.18	10.333	3.39	16.333	1.33	22.33	0.88
4.350	1.18	10.350	3.39	16.350	1.33	22.35	0.88
4.367	1.18	10.367	3.39	16.367	1.33	22.37	0.88
4.383	1.18	10.383	3.39	16.383	1.33	22.38	0.88
4.400	1.18	10.400	3.39	16.400	1.33	22.40	0.88
4.417	1.18	10.417	3.39	16.417	1.33	22.42	0.88
4.433	1.18	10.433	3.39	16.433	1.33	22.43	0.88
4.450	1.18	10.450	3.39	16.450	1.33	22.45	0.88
4.467	1.18	10.467	3.39	16.467	1.33	22.47	0.88
4.483	1.18	10.483	3.39	16.483	1.33	22.48	0.88
4.500	1.18	10.500	3.39	16.500	1.33	22.50	0.88
4.517	1.18	10.517	4.57	16.517	1.33	22.52	0.88
4.533	1.18	10.533	4.57	16.533	1.33	22.53	0.88
4.550	1.18	10.550	4.57	16.550	1.33	22.55	0.88
4.567	1.18	10.567	4.57	16.567	1.33	22.57	0.88
4.583	1.18	10.583	4.57	16.583	1.33	22.58	0.88
4.600	1.18	10.600	4.57	16.600	1.33	22.60	0.88
4.617	1.18	10.617	4.57	16.617	1.33	22.62	0.88
4.633	1.18	10.633	4.57	16.633	1.33	22.63	0.88
4.650	1.18	10.650	4.57	16.650	1.33	22.65	0.88
4.667	1.18	10.667	4.57	16.667	1.33	22.67	0.88
4.683	1.18	10.683	4.57	16.683	1.33	22.68	0.88
4.700	1.18	10.700	4.57	16.700	1.33	22.70	0.88
4.717	1.18	10.717	4.57	16.717	1.33	22.72	0.88
4.733	1.18	10.733	4.57	16.733	1.33	22.73	0.88
4.750	1.18	10.750	4.57	16.750	1.33	22.75	0.88
4.767	1.18	10.767	4.57	16.767	1.33	22.77	0.88
4.783	1.18	10.783	4.57	16.783	1.33	22.78	0.88
4.800	1.18	10.800	4.57	16.800	1.33	22.80	0.88
4.817	1.18	10.817	4.57	16.817	1.33	22.82	0.88
4.833	1.18	10.833	4.57	16.833	1.33	22.83	0.88
4.850	1.18	10.850	4.57	16.850	1.33	22.85	0.88
4.867	1.18	10.867	4.57	16.867	1.33	22.87	0.88
4.883	1.18	10.883	4.57	16.883	1.33	22.88	0.88
4.900	1.18	10.900	4.57	16.900	1.33	22.90	0.88
4.917	1.18	10.917	4.57	16.917	1.33	22.92	0.88
4.933	1.18	10.933	4.57	16.933	1.33	22.93	0.88
4.950	1.18	10.950	4.57	16.950	1.33	22.95	0.88
4.967	1.18	10.967	4.57	16.967	1.33	22.97	0.88
4.983	1.18	10.983	4.57	16.983	1.33	22.98	0.88
5.000	1.18	11.000	4.57	17.000	1.33	23.00	0.88
5.017	1.18	11.017	7.07	17.017	1.33	23.02	0.88
5.033	1.18	11.033	7.07	17.033	1.33	23.03	0.88
5.050	1.18	11.050	7.07	17.050	1.33	23.05	0.88
5.067	1.18	11.067	7.07	17.067	1.33	23.07	0.88
5.083	1.18	11.083	7.07	17.083	1.33	23.08	0.88
5.100	1.18	11.100	7.07	17.100	1.33	23.10	0.88
5.117	1.18	11.117	7.07	17.117	1.33	23.12	0.88
5.133	1.18	11.133	7.07	17.133	1.33	23.13	0.88
5.150	1.18	11.150	7.07	17.150	1.33	23.15	0.88

5.167	1.18	11.167	7.07	17.167	1.33	23.17	0.88
5.183	1.18	11.183	7.07	17.183	1.33	23.18	0.88
5.200	1.18	11.200	7.07	17.200	1.33	23.20	0.88
5.217	1.18	11.217	7.07	17.217	1.33	23.22	0.88
5.233	1.18	11.233	7.07	17.233	1.33	23.23	0.88
5.250	1.18	11.250	7.07	17.250	1.33	23.25	0.88
5.267	1.18	11.267	7.07	17.267	1.33	23.27	0.88
5.283	1.18	11.283	7.07	17.283	1.33	23.28	0.88
5.300	1.18	11.300	7.07	17.300	1.33	23.30	0.88
5.317	1.18	11.317	7.07	17.317	1.33	23.32	0.88
5.333	1.18	11.333	7.07	17.333	1.33	23.33	0.88
5.350	1.18	11.350	7.07	17.350	1.33	23.35	0.88
5.367	1.18	11.367	7.07	17.367	1.33	23.37	0.88
5.383	1.18	11.383	7.07	17.383	1.33	23.38	0.88
5.400	1.18	11.400	7.07	17.400	1.33	23.40	0.88
5.417	1.18	11.417	7.07	17.417	1.33	23.42	0.88
5.433	1.18	11.433	7.07	17.433	1.33	23.43	0.88
5.450	1.18	11.450	7.07	17.450	1.33	23.45	0.88
5.467	1.18	11.467	7.07	17.467	1.33	23.47	0.88
5.483	1.18	11.483	7.07	17.483	1.33	23.48	0.88
5.500	1.18	11.500	7.07	17.500	1.33	23.50	0.88
5.517	1.18	11.517	21.81	17.517	1.33	23.52	0.88
5.533	1.18	11.533	21.81	17.533	1.33	23.53	0.88
5.550	1.18	11.550	21.81	17.550	1.33	23.55	0.88
5.567	1.18	11.567	21.81	17.567	1.33	23.57	0.88
5.583	1.18	11.583	21.81	17.583	1.33	23.58	0.88
5.600	1.18	11.600	21.81	17.600	1.33	23.60	0.88
5.617	1.18	11.617	21.81	17.617	1.33	23.62	0.88
5.633	1.18	11.633	21.81	17.633	1.33	23.63	0.88
5.650	1.18	11.650	21.81	17.650	1.33	23.65	0.88
5.667	1.18	11.667	21.81	17.667	1.33	23.67	0.88
5.683	1.18	11.683	21.81	17.683	1.33	23.68	0.88
5.700	1.18	11.700	21.81	17.700	1.33	23.70	0.88
5.717	1.18	11.717	21.81	17.717	1.33	23.72	0.88
5.733	1.18	11.733	21.81	17.733	1.33	23.73	0.88
5.750	1.18	11.750	21.81	17.750	1.33	23.75	0.88
5.767	1.18	11.767	90.16	17.767	1.33	23.77	0.88
5.783	1.18	11.783	90.20	17.783	1.33	23.78	0.88
5.800	1.18	11.800	90.20	17.800	1.33	23.80	0.88
5.817	1.18	11.817	90.20	17.817	1.33	23.82	0.88
5.833	1.18	11.833	90.20	17.833	1.33	23.83	0.88
5.850	1.18	11.850	90.20	17.850	1.33	23.85	0.88
5.867	1.18	11.867	90.20	17.867	1.33	23.87	0.88
5.883	1.18	11.883	90.20	17.883	1.33	23.88	0.88
5.900	1.18	11.900	90.20	17.900	1.33	23.90	0.88
5.917	1.18	11.917	90.20	17.917	1.33	23.92	0.88
5.933	1.18	11.933	90.20	17.933	1.33	23.93	0.88
5.950	1.18	11.950	90.20	17.950	1.33	23.95	0.88
5.967	1.18	11.967	90.20	17.967	1.33	23.97	0.88
5.983	1.18	11.983	90.20	17.983	1.33	23.98	0.88
6.000	1.18	12.000	90.20	18.000	1.33	24.00	0.88

Max.Eff.Inten.(mm/hr)= 90.20 22.99
over (min) 5.00 16.00
Storage Coeff. (min)= 2.48 (ii) 15.19 (ii)
Unit Hyd. Tpeak (min)= 5.00 16.00
Unit Hyd. peak (cms)= 0.34 0.07

TOTALS
PEAK FLOW (cms)= 0.06 0.03 0.086 (iii)
TIME TO PEAK (hrs)= 12.00 12.17 12.00
RUNOFF VOLUME (mm)= 71.68 16.72 28.81
TOTAL RAINFALL (mm)= 73.69 73.69 73.69
RUNOFF COEFFICIENT = 0.97 0.23 0.39

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0203)
ID= 1 DT= 1.0 min
Area (ha)= 17.16
Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

IMPERVIOUS PERVIOUS (i)
Surface Area (ha)= 7.21 9.95
Dep. Storage (mm)= 2.00 5.00
Average Slope (%)= 1.00 2.00
Length (m)= 267.45 40.00
Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.81	6.017	1.33	12.017	10.67	18.02	1.33
0.033	0.81	6.033	1.33	12.033	10.61	18.03	1.33
0.050	0.81	6.050	1.33	12.050	10.61	18.05	1.33
0.067	0.81	6.067	1.33	12.067	10.61	18.07	1.33
0.083	0.81	6.083	1.33	12.083	10.61	18.08	1.33
0.100	0.81	6.100	1.33	12.100	10.61	18.10	1.33
0.117	0.81	6.117	1.33	12.117	10.61	18.12	1.33
0.133	0.81	6.133	1.33	12.133	10.61	18.13	1.33
0.150	0.81	6.150	1.33	12.150	10.61	18.15	1.33
0.167	0.81	6.167	1.33	12.167	10.61	18.17	1.33
0.183	0.81	6.183	1.33	12.183	10.61	18.18	1.33
0.200	0.81	6.200	1.33	12.200	10.61	18.20	1.33
0.217	0.81	6.217	1.33	12.217	10.61	18.22	1.33
0.233	0.81	6.233	1.33	12.233	10.61	18.23	1.33
0.250	0.81	6.250	1.33	12.250	10.61	18.25	1.33
0.267	0.81	6.267	1.33	12.267	10.61	18.27	1.33
0.283	0.81	6.283	1.33	12.283	10.61	18.28	1.33
0.300	0.81	6.300	1.33	12.300	10.61	18.30	1.33
0.317	0.81	6.317	1.33	12.317	10.61	18.32	1.33
0.333	0.81	6.333	1.33	12.333	10.61	18.33	1.33
0.350	0.81	6.350	1.33	12.350	10.61	18.35	1.33
0.367	0.81	6.367	1.33	12.367	10.61	18.37	1.33
0.383	0.81	6.383	1.33	12.383	10.61	18.38	1.33
0.400	0.81	6.400	1.33	12.400	10.61	18.40	1.33
0.417	0.81	6.417	1.33	12.417	10.61	18.42	1.33
0.433	0.81	6.433	1.33	12.433	10.61	18.43	1.33
0.450	0.81	6.450	1.33	12.450	10.61	18.45	1.33
0.467	0.81	6.467	1.33	12.467	10.61	18.47	1.33
0.483	0.81	6.483	1.33	12.483	10.61	18.48	1.33
0.500	0.81	6.500	1.33	12.500	10.61	18.50	1.33
0.517	0.81	6.517	1.33	12.517	5.46	18.52	1.33
0.533	0.81	6.533	1.33	12.533	5.45	18.53	1.33
0.550	0.81	6.550	1.33	12.550	5.45	18.55	1.33
0.567	0.81	6.567	1.33	12.567	5.45	18.57	1.33
0.583	0.81	6.583	1.33	12.583	5.45	18.58	1.33
0.600	0.81	6.600	1.33	12.600	5.45	18.60	1.33
0.617	0.81	6.617	1.33	12.617	5.45	18.62	1.33
0.633	0.81	6.633	1.33	12.633	5.45	18.63	1.33
0.650	0.81	6.650	1.33	12.650	5.45	18.65	1.33
0.667	0.81	6.667	1.33	12.667	5.45	18.67	1.33
0.683	0.81	6.683	1.33	12.683	5.45	18.68	1.33
0.700	0.81	6.700	1.33	12.700	5.45	18.70	1.33
0.717	0.81	6.717	1.33	12.717	5.45	18.72	1.33
0.733	0.81	6.733	1.33	12.733	5.45	18.73	1.33
0.750	0.81	6.750	1.33	12.750	5.45	18.75	1.33
0.767	0.81	6.767	1.33	12.767	5.45	18.77	1.33
0.783	0.81	6.783	1.33	12.783	5.45	18.78	1.33
0.800	0.81	6.800	1.33	12.800	5.45	18.80	1.33
0.817	0.81	6.817	1.33	12.817	5.45	18.82	1.33
0.833	0.81	6.833	1.33	12.833	5.45	18.83	1.33
0.850	0.81	6.850	1.33	12.850	5.45	18.85	1.33
0.867	0.81	6.867	1.33	12.867	5.45	18.87	1.33
0.883	0.81	6.883	1.33	12.883	5.45	18.88	1.33
0.900	0.81	6.900	1.33	12.900	5.45	18.90	1.33
0.917	0.81	6.917	1.33	12.917	5.45	18.92	1.33
0.933	0.81	6.933	1.33	12.933	5.45	18.93	1.33
0.950	0.81	6.950	1.33	12.950	5.45	18.95	1.33
0.967	0.81	6.967	1.33	12.967	5.45	18.97	1.33
0.983	0.81	6.983	1.33	12.983	5.45	18.98	1.33
1.000	0.81	7.000	1.33	13.000	5.45	19.00	1.33
1.017	0.81	7.017	1.62	13.017	3.98	19.02	1.33
1.033	0.81	7.033	1.62	13.033	3.98	19.03	1.33
1.050	0.81	7.050	1.62	13.050	3.98	19.05	1.33
1.067	0.81	7.067	1.62	13.067	3.98	19.07	1.33
1.083	0.81	7.083	1.62	13.083	3.98	19.08	1.33
1.100	0.81	7.100	1.62	13.100	3.98	19.10	1.33
1.117	0.81	7.117	1.62	13.117	3.98	19.12	1.33
1.133	0.81	7.133	1.62	13.133	3.98	19.13	1.33
1.150	0.81	7.150	1.62	13.150	3.98	19.15	1.33
1.167	0.81	7.167	1.62	13.167	3.98	19.17	1.33
1.183	0.81	7.183	1.62	13.183	3.98	19.18	1.33
1.200	0.81	7.200	1.62	13.200	3.98	19.20	1.33
1.217	0.81	7.217	1.62	13.217	3.98	19.22	1.33
1.233	0.81	7.233	1.62	13.233	3.98	19.23	1.33
1.250	0.81	7.250	1.62	13.250	3.98	19.25	1.33
1.267	0.81	7.267	1.62	13.267	3.98	19.27	1.33
1.283	0.81	7.283	1.62	13.283	3.98	19.28	1.33
1.300	0.81	7.300	1.62	13.300	3.98	19.30	1.33

1.317	0.81	7.317	1.62	13.317	3.98	19.32	1.33
1.333	0.81	7.333	1.62	13.333	3.98	19.33	1.33
1.350	0.81	7.350	1.62	13.350	3.98	19.35	1.33
1.367	0.81	7.367	1.62	13.367	3.98	19.37	1.33
1.383	0.81	7.383	1.62	13.383	3.98	19.38	1.33
1.400	0.81	7.400	1.62	13.400	3.98	19.40	1.33
1.417	0.81	7.417	1.62	13.417	3.98	19.42	1.33
1.433	0.81	7.433	1.62	13.433	3.98	19.43	1.33
1.450	0.81	7.450	1.62	13.450	3.98	19.45	1.33
1.467	0.81	7.467	1.62	13.467	3.98	19.47	1.33
1.483	0.81	7.483	1.62	13.483	3.98	19.48	1.33
1.500	0.81	7.500	1.62	13.500	3.98	19.50	1.33
1.517	0.81	7.517	1.62	13.517	3.10	19.52	1.33
1.533	0.81	7.533	1.62	13.533	3.09	19.53	1.33
1.550	0.81	7.550	1.62	13.550	3.09	19.55	1.33
1.567	0.81	7.567	1.62	13.567	3.09	19.57	1.33
1.583	0.81	7.583	1.62	13.583	3.09	19.58	1.33
1.600	0.81	7.600	1.62	13.600	3.09	19.60	1.33
1.617	0.81	7.617	1.62	13.617	3.09	19.62	1.33
1.633	0.81	7.633	1.62	13.633	3.09	19.63	1.33
1.650	0.81	7.650	1.62	13.650	3.09	19.65	1.33
1.667	0.81	7.667	1.62	13.667	3.09	19.67	1.33
1.683	0.81	7.683	1.62	13.683	3.09	19.68	1.33
1.700	0.81	7.700	1.62	13.700	3.09	19.70	1.33
1.717	0.81	7.717	1.62	13.717	3.09	19.72	1.33
1.733	0.81	7.733	1.62	13.733	3.09	19.73	1.33
1.750	0.81	7.750	1.62	13.750	3.09	19.75	1.33
1.767	0.81	7.767	1.62	13.767	3.09	19.77	1.33
1.783	0.81	7.783	1.62	13.783	3.09	19.78	1.33
1.800	0.81	7.800	1.62	13.800	3.09	19.80	1.33
1.817	0.81	7.817	1.62	13.817	3.09	19.82	1.33
1.833	0.81	7.833	1.62	13.833	3.09	19.83	1.33
1.850	0.81	7.850	1.62	13.850	3.09	19.85	1.33
1.867	0.81	7.867	1.62	13.867	3.09	19.87	1.33
1.883	0.81	7.883	1.62	13.883	3.09	19.88	1.33
1.900	0.81	7.900	1.62	13.900	3.09	19.90	1.33
1.917	0.81	7.917	1.62	13.917	3.09	19.92	1.33
1.933	0.81	7.933	1.62	13.933	3.09	19.93	1.33
1.950	0.81	7.950	1.62	13.950	3.09	19.95	1.33
1.967	0.81	7.967	1.62	13.967	3.09	19.97	1.33
1.983	0.81	7.983	1.62	13.983	3.09	19.98	1.33
2.000	0.81	8.000	1.62	14.000	3.09	20.00	1.33
2.017	0.96	8.017	1.92	14.017	2.21	20.02	0.89
2.033	0.96	8.033	1.92	14.033	2.21	20.03	0.88
2.050	0.96	8.050	1.92	14.050	2.21	20.05	0.88
2.067	0.96	8.067	1.92	14.067	2.21	20.07	0.88
2.083	0.96	8.083	1.92	14.083	2.21	20.08	0.88
2.100	0.96	8.100	1.92	14.100	2.21	20.10	0.88
2.117	0.96	8.117	1.92	14.117	2.21	20.12	0.88
2.133	0.96	8.133	1.92	14.133	2.21	20.13	0.88
2.150	0.96	8.150	1.92	14.150	2.21	20.15	0.88
2.167	0.96	8.167	1.92	14.167	2.21	20.17	0.88
2.183	0.96	8.183	1.92	14.183	2.21	20.18	0.88
2.200	0.96	8.200	1.92	14.200	2.21	20.20	0.88
2.217	0.96	8.217	1.92	14.217	2.21	20.22	0.88
2.233	0.96	8.233	1.92	14.233	2.21	20.23	0.88
2.250	0.96	8.250	1.92	14.250	2.21	20.25	0.88
2.267	0.96	8.267	1.92	14.267	2.21	20.27	0.88
2.283	0.96	8.283	1.92	14.283	2.21	20.28	0.88
2.300	0.96	8.300	1.92	14.300	2.21	20.30	0.88
2.317	0.96	8.317	1.92	14.317	2.21	20.32	0.88
2.333	0.96	8.333	1.92	14.333	2.21	20.33	0.88
2.350	0.96	8.350	1.92	14.350	2.21	20.35	0.88
2.367	0.96	8.367	1.92	14.367	2.21	20.37	0.88
2.383	0.96	8.383	1.92	14.383	2.21	20.38	0.88
2.400	0.96	8.400	1.92	14.400	2.21	20.40	0.88
2.417	0.96	8.417	1.92	14.417	2.21	20.42	0.88
2.433	0.96	8.433	1.92	14.433	2.21	20.43	0.88
2.450	0.96	8.450	1.92	14.450	2.21	20.45	0.88
2.467	0.96	8.467	1.92	14.467	2.21	20.47	0.88
2.483	0.96	8.483	1.92	14.483	2.21	20.48	0.88
2.500	0.96	8.500	1.92	14.500	2.21	20.50	0.88
2.517	0.96	8.517	2.06	14.517	2.21	20.52	0.88
2.533	0.96	8.533	2.06	14.533	2.21	20.53	0.88
2.550	0.96	8.550	2.06	14.550	2.21	20.55	0.88
2.567	0.96	8.567	2.06	14.567	2.21	20.57	0.88
2.583	0.96	8.583	2.06	14.583	2.21	20.58	0.88
2.600	0.96	8.600	2.06	14.600	2.21	20.60	0.88
2.617	0.96	8.617	2.06	14.617	2.21	20.62	0.88
2.633	0.96	8.633	2.06	14.633	2.21	20.63	0.88
2.650	0.96	8.650	2.06	14.650	2.21	20.65	0.88
2.667	0.96	8.667	2.06	14.667	2.21	20.67	0.88
2.683	0.96	8.683	2.06	14.683	2.21	20.68	0.88
2.700	0.96	8.700	2.06	14.700	2.21	20.70	0.88

2.717	0.96	8.717	2.06	14.717	2.21	20.72	0.88
2.733	0.96	8.733	2.06	14.733	2.21	20.73	0.88
2.750	0.96	8.750	2.06	14.750	2.21	20.75	0.88
2.767	0.96	8.767	2.06	14.767	2.21	20.77	0.88
2.783	0.96	8.783	2.06	14.783	2.21	20.78	0.88
2.800	0.96	8.800	2.06	14.800	2.21	20.80	0.88
2.817	0.96	8.817	2.06	14.817	2.21	20.82	0.88
2.833	0.96	8.833	2.06	14.833	2.21	20.83	0.88
2.850	0.96	8.850	2.06	14.850	2.21	20.85	0.88
2.867	0.96	8.867	2.06	14.867	2.21	20.87	0.88
2.883	0.96	8.883	2.06	14.883	2.21	20.88	0.88
2.900	0.96	8.900	2.06	14.900	2.21	20.90	0.88
2.917	0.96	8.917	2.06	14.917	2.21	20.92	0.88
2.933	0.96	8.933	2.06	14.933	2.21	20.93	0.88
2.950	0.96	8.950	2.06	14.950	2.21	20.95	0.88
2.967	0.96	8.967	2.06	14.967	2.21	20.97	0.88
2.983	0.96	8.983	2.06	14.983	2.21	20.98	0.88
3.000	0.96	9.000	2.06	15.000	2.21	21.00	0.88
3.017	0.96	9.017	2.36	15.017	2.21	21.02	0.88
3.033	0.96	9.033	2.36	15.033	2.21	21.03	0.88
3.050	0.96	9.050	2.36	15.050	2.21	21.05	0.88
3.067	0.96	9.067	2.36	15.067	2.21	21.07	0.88
3.083	0.96	9.083	2.36	15.083	2.21	21.08	0.88
3.100	0.96	9.100	2.36	15.100	2.21	21.10	0.88
3.117	0.96	9.117	2.36	15.117	2.21	21.12	0.88
3.133	0.96	9.133	2.36	15.133	2.21	21.13	0.88
3.150	0.96	9.150	2.36	15.150	2.21	21.15	0.88
3.167	0.96	9.167	2.36	15.167	2.21	21.17	0.88
3.183	0.96	9.183	2.36	15.183	2.21	21.18	0.88
3.200	0.96	9.200	2.36	15.200	2.21	21.20	0.88
3.217	0.96	9.217	2.36	15.217	2.21	21.22	0.88
3.233	0.96	9.233	2.36	15.233	2.21	21.23	0.88
3.250	0.96	9.250	2.36	15.250	2.21	21.25	0.88
3.267	0.96	9.267	2.36	15.267	2.21	21.27	0.88
3.283	0.96	9.283	2.36	15.283	2.21	21.28	0.88
3.300	0.96	9.300	2.36	15.300	2.21	21.30	0.88
3.317	0.96	9.317	2.36	15.317	2.21	21.32	0.88
3.333	0.96	9.333	2.36	15.333	2.21	21.33	0.88
3.350	0.96	9.350	2.36	15.350	2.21	21.35	0.88
3.367	0.96	9.367	2.36	15.367	2.21	21.37	0.88
3.383	0.96	9.383	2.36	15.383	2.21	21.38	0.88
3.400	0.96	9.400	2.36	15.400	2.21	21.40	0.88
3.417	0.96	9.417	2.36	15.417	2.21	21.42	0.88
3.433	0.96	9.433	2.36	15.433	2.21	21.43	0.88
3.450	0.96	9.450	2.36	15.450	2.21	21.45	0.88
3.467	0.96	9.467	2.36	15.467	2.21	21.47	0.88
3.483	0.96	9.483	2.36	15.483	2.21	21.48	0.88
3.500	0.96	9.500	2.36	15.500	2.21	21.50	0.88
3.517	0.96	9.517	2.65	15.517	2.21	21.52	0.88
3.533	0.96	9.533	2.65	15.533	2.21	21.53	0.88
3.550	0.96	9.550	2.65	15.550	2.21	21.55	0.88
3.567	0.96	9.567	2.65	15.567	2.21	21.57	0.88
3.583	0.96	9.583	2.65	15.583	2.21	21.58	0.88
3.600	0.96	9.600	2.65	15.600	2.21	21.60	0.88
3.617	0.96	9.617	2.65	15.617	2.21	21.62	0.88
3.633	0.96	9.633	2.65	15.633	2.21	21.63	0.88
3.650	0.96	9.650	2.65	15.650	2.21	21.65	0.88
3.667	0.96	9.667	2.65	15.667	2.21	21.67	0.88
3.683	0.96	9.683	2.65	15.683	2.21	21.68	0.88
3.700	0.96	9.700	2.65	15.700	2.21	21.70	0.88
3.717	0.96	9.717	2.65	15.717	2.21	21.72	0.88
3.733	0.96	9.733	2.65	15.733	2.21	21.73	0.88
3.750	0.96	9.750	2.65	15.750	2.21	21.75	0.88
3.767	0.96	9.767	2.65	15.767	2.21	21.77	0.88
3.783	0.96	9.783	2.65	15.783	2.21	21.78	0.88
3.800	0.96	9.800	2.65	15.800	2.21	21.80	0.88
3.817	0.96	9.817	2.65	15.817	2.21	21.82	0.88
3.833	0.96	9.833	2.65	15.833	2.21	21.83	0.88
3.850	0.96	9.850	2.65	15.850	2.21	21.85	0.88
3.867	0.96	9.867	2.65	15.867	2.21	21.87	0.88
3.883	0.96	9.883	2.65	15.883	2.21	21.88	0.88
3.900	0.96	9.900	2.65	15.900	2.21	21.90	0.88
3.917	0.96	9.917	2.65	15.917	2.21	21.92	0.88
3.933	0.96	9.933	2.65	15.933	2.21	21.93	0.88
3.950	0.96	9.950	2.65	15.950	2.21	21.95	0.88
3.967	0.96	9.967	2.65	15.967	2.21	21.97	0.88
3.983	0.96	9.983	2.65	15.983	2.21	21.98	0.88
4.000	0.96	10.000	2.65	16.000	2.21	22.00	0.88
4.017	1.18	10.017	3.39	16.017	1.33	22.02	0.88
4.033	1.18	10.033	3.39	16.033	1.33	22.03	0.88
4.050	1.18	10.050	3.39	16.050	1.33	22.05	0.88
4.067	1.18	10.067	3.39	16.067	1.33	22.07	0.88
4.083	1.18	10.083	3.39	16.083	1.33	22.08	0.88
4.100	1.18	10.100	3.39	16.100	1.33	22.10	0.88

4.117	1.18	10.117	3.39	16.117	1.33	22.12	0.88
4.133	1.18	10.133	3.39	16.133	1.33	22.13	0.88
4.150	1.18	10.150	3.39	16.150	1.33	22.15	0.88
4.167	1.18	10.167	3.39	16.167	1.33	22.17	0.88
4.183	1.18	10.183	3.39	16.183	1.33	22.18	0.88
4.200	1.18	10.200	3.39	16.200	1.33	22.20	0.88
4.217	1.18	10.217	3.39	16.217	1.33	22.22	0.88
4.233	1.18	10.233	3.39	16.233	1.33	22.23	0.88
4.250	1.18	10.250	3.39	16.250	1.33	22.25	0.88
4.267	1.18	10.267	3.39	16.267	1.33	22.27	0.88
4.283	1.18	10.283	3.39	16.283	1.33	22.28	0.88
4.300	1.18	10.300	3.39	16.300	1.33	22.30	0.88
4.317	1.18	10.317	3.39	16.317	1.33	22.32	0.88
4.333	1.18	10.333	3.39	16.333	1.33	22.33	0.88
4.350	1.18	10.350	3.39	16.350	1.33	22.35	0.88
4.367	1.18	10.367	3.39	16.367	1.33	22.37	0.88
4.383	1.18	10.383	3.39	16.383	1.33	22.38	0.88
4.400	1.18	10.400	3.39	16.400	1.33	22.40	0.88
4.417	1.18	10.417	3.39	16.417	1.33	22.42	0.88
4.433	1.18	10.433	3.39	16.433	1.33	22.43	0.88
4.450	1.18	10.450	3.39	16.450	1.33	22.45	0.88
4.467	1.18	10.467	3.39	16.467	1.33	22.47	0.88
4.483	1.18	10.483	3.39	16.483	1.33	22.48	0.88
4.500	1.18	10.500	3.39	16.500	1.33	22.50	0.88
4.517	1.18	10.517	4.57	16.517	1.33	22.52	0.88
4.533	1.18	10.533	4.57	16.533	1.33	22.53	0.88
4.550	1.18	10.550	4.57	16.550	1.33	22.55	0.88
4.567	1.18	10.567	4.57	16.567	1.33	22.57	0.88
4.583	1.18	10.583	4.57	16.583	1.33	22.58	0.88
4.600	1.18	10.600	4.57	16.600	1.33	22.60	0.88
4.617	1.18	10.617	4.57	16.617	1.33	22.62	0.88
4.633	1.18	10.633	4.57	16.633	1.33	22.63	0.88
4.650	1.18	10.650	4.57	16.650	1.33	22.65	0.88
4.667	1.18	10.667	4.57	16.667	1.33	22.67	0.88
4.683	1.18	10.683	4.57	16.683	1.33	22.68	0.88
4.700	1.18	10.700	4.57	16.700	1.33	22.70	0.88
4.717	1.18	10.717	4.57	16.717	1.33	22.72	0.88
4.733	1.18	10.733	4.57	16.733	1.33	22.73	0.88
4.750	1.18	10.750	4.57	16.750	1.33	22.75	0.88
4.767	1.18	10.767	4.57	16.767	1.33	22.77	0.88
4.783	1.18	10.783	4.57	16.783	1.33	22.78	0.88
4.800	1.18	10.800	4.57	16.800	1.33	22.80	0.88
4.817	1.18	10.817	4.57	16.817	1.33	22.82	0.88
4.833	1.18	10.833	4.57	16.833	1.33	22.83	0.88
4.850	1.18	10.850	4.57	16.850	1.33	22.85	0.88
4.867	1.18	10.867	4.57	16.867	1.33	22.87	0.88
4.883	1.18	10.883	4.57	16.883	1.33	22.88	0.88
4.900	1.18	10.900	4.57	16.900	1.33	22.90	0.88
4.917	1.18	10.917	4.57	16.917	1.33	22.92	0.88
4.933	1.18	10.933	4.57	16.933	1.33	22.93	0.88
4.950	1.18	10.950	4.57	16.950	1.33	22.95	0.88
4.967	1.18	10.967	4.57	16.967	1.33	22.97	0.88
4.983	1.18	10.983	4.57	16.983	1.33	22.98	0.88
5.000	1.18	11.000	4.57	17.000	1.33	23.00	0.88
5.017	1.18	11.017	7.07	17.017	1.33	23.02	0.88
5.033	1.18	11.033	7.07	17.033	1.33	23.03	0.88
5.050	1.18	11.050	7.07	17.050	1.33	23.05	0.88
5.067	1.18	11.067	7.07	17.067	1.33	23.07	0.88
5.083	1.18	11.083	7.07	17.083	1.33	23.08	0.88
5.100	1.18	11.100	7.07	17.100	1.33	23.10	0.88
5.117	1.18	11.117	7.07	17.117	1.33	23.12	0.88
5.133	1.18	11.133	7.07	17.133	1.33	23.13	0.88
5.150	1.18	11.150	7.07	17.150	1.33	23.15	0.88
5.167	1.18	11.167	7.07	17.167	1.33	23.17	0.88
5.183	1.18	11.183	7.07	17.183	1.33	23.18	0.88
5.200	1.18	11.200	7.07	17.200	1.33	23.20	0.88
5.217	1.18	11.217	7.07	17.217	1.33	23.22	0.88
5.233	1.18	11.233	7.07	17.233	1.33	23.23	0.88
5.250	1.18	11.250	7.07	17.250	1.33	23.25	0.88
5.267	1.18	11.267	7.07	17.267	1.33	23.27	0.88
5.283	1.18	11.283	7.07	17.283	1.33	23.28	0.88
5.300	1.18	11.300	7.07	17.300	1.33	23.30	0.88
5.317	1.18	11.317	7.07	17.317	1.33	23.32	0.88
5.333	1.18	11.333	7.07	17.333	1.33	23.33	0.88
5.350	1.18	11.350	7.07	17.350	1.33	23.35	0.88
5.367	1.18	11.367	7.07	17.367	1.33	23.37	0.88
5.383	1.18	11.383	7.07	17.383	1.33	23.38	0.88
5.400	1.18	11.400	7.07	17.400	1.33	23.40	0.88
5.417	1.18	11.417	7.07	17.417	1.33	23.42	0.88
5.433	1.18	11.433	7.07	17.433	1.33	23.43	0.88
5.450	1.18	11.450	7.07	17.450	1.33	23.45	0.88
5.467	1.18	11.467	7.07	17.467	1.33	23.47	0.88
5.483	1.18	11.483	7.07	17.483	1.33	23.48	0.88
5.500	1.18	11.500	7.07	17.500	1.33	23.50	0.88

5.517	1.18	11.517	21.81	17.517	1.33	23.52	0.88
5.533	1.18	11.533	21.81	17.533	1.33	23.53	0.88
5.550	1.18	11.550	21.81	17.550	1.33	23.55	0.88
5.567	1.18	11.567	21.81	17.567	1.33	23.57	0.88
5.583	1.18	11.583	21.81	17.583	1.33	23.58	0.88
5.600	1.18	11.600	21.81	17.600	1.33	23.60	0.88
5.617	1.18	11.617	21.81	17.617	1.33	23.62	0.88
5.633	1.18	11.633	21.81	17.633	1.33	23.63	0.88
5.650	1.18	11.650	21.81	17.650	1.33	23.65	0.88
5.667	1.18	11.667	21.81	17.667	1.33	23.67	0.88
5.683	1.18	11.683	21.81	17.683	1.33	23.68	0.88
5.700	1.18	11.700	21.81	17.700	1.33	23.70	0.88
5.717	1.18	11.717	21.81	17.717	1.33	23.72	0.88
5.733	1.18	11.733	21.81	17.733	1.33	23.73	0.88
5.750	1.18	11.750	21.81	17.750	1.33	23.75	0.88
5.767	1.18	11.767	90.16	17.767	1.33	23.77	0.88
5.783	1.18	11.783	90.20	17.783	1.33	23.78	0.88
5.800	1.18	11.800	90.20	17.800	1.33	23.80	0.88
5.817	1.18	11.817	90.20	17.817	1.33	23.82	0.88
5.833	1.18	11.833	90.20	17.833	1.33	23.83	0.88
5.850	1.18	11.850	90.20	17.850	1.33	23.85	0.88
5.867	1.18	11.867	90.20	17.867	1.33	23.87	0.88
5.883	1.18	11.883	90.20	17.883	1.33	23.88	0.88
5.900	1.18	11.900	90.20	17.900	1.33	23.90	0.88
5.917	1.18	11.917	90.20	17.917	1.33	23.92	0.88
5.933	1.18	11.933	90.20	17.933	1.33	23.93	0.88
5.950	1.18	11.950	90.20	17.950	1.33	23.95	0.88
5.967	1.18	11.967	90.20	17.967	1.33	23.97	0.88
5.983	1.18	11.983	90.20	17.983	1.33	23.98	0.88
6.000	1.18	12.000	90.20	18.000	1.33	24.00	0.88

Max.Eff.Inten.(mm/hr)= 90.20 33.56
over (min) 5.00 16.00
Storage Coeff. (min)= 4.80 (ii) 15.73 (ii)
Unit Hyd. Tpeak (min)= 5.00 16.00
Unit Hyd. peak (cms)= 0.23 0.07

TOTALS

PEAK FLOW (cms)= 1.22 0.49 1.548 (iii)
TIME TO PEAK (hrs)= 12.00 12.17 12.02
RUNOFF VOLUME (mm)= 71.69 19.43 35.11
TOTAL RAINFALL (mm)= 73.69 73.69 73.69
RUNOFF COEFFICIENT = 0.97 0.26 0.48

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0012):	1.18	0.086	12.00	28.81
+ ID2= 2 (0203):	17.16	1.548	12.02	35.11
=====				
ID = 3 (0082):	18.34	1.634	12.02	34.71

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 5.0 min	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	0.0940	0.3600
	0.0120	0.2100	0.1210	0.4000
	0.0550	0.2600	0.1500	0.4500
	0.0620	0.3000	0.3000	0.7210

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0082)	18.340	1.634	12.02	34.71
OUTFLOW: ID= 1 (0002)	18.340	0.120	13.58	24.15

PEAK FLOW REDUCTION [Qout/Qin](%)= 7.34
TIME SHIFT OF PEAK FLOW (min)= 94.00
MAXIMUM STORAGE USED (ha.m.)= 0.3985

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0017):	31.32	0.867	12.32	19.77
+ ID2= 2 (0002):	18.34	0.120	13.58	24.15
=====				
ID = 3 (0089):	49.66	0.949	12.33	21.39

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:4.3 SCS II 24hr 10yr **

CALIB	Area (ha)=	Curve Number (CN)=
NASHYD (0087)	15.86	62.0
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00
	U.H. Tp(hrs)= 0.40	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.93	6.017	1.52	12.017	12.24	18.02	1.52
0.033	0.93	6.033	1.52	12.033	12.18	18.03	1.52
0.050	0.93	6.050	1.52	12.050	12.18	18.05	1.52
0.067	0.93	6.067	1.52	12.067	12.18	18.07	1.52
0.083	0.93	6.083	1.52	12.083	12.18	18.08	1.52
0.100	0.93	6.100	1.52	12.100	12.18	18.10	1.52
0.117	0.93	6.117	1.52	12.117	12.18	18.12	1.52
0.133	0.93	6.133	1.52	12.133	12.18	18.13	1.52
0.150	0.93	6.150	1.52	12.150	12.18	18.15	1.52
0.167	0.93	6.167	1.52	12.167	12.18	18.17	1.52
0.183	0.93	6.183	1.52	12.183	12.18	18.18	1.52
0.200	0.93	6.200	1.52	12.200	12.18	18.20	1.52
0.217	0.93	6.217	1.52	12.217	12.18	18.22	1.52
0.233	0.93	6.233	1.52	12.233	12.18	18.23	1.52
0.250	0.93	6.250	1.52	12.250	12.18	18.25	1.52
0.267	0.93	6.267	1.52	12.267	12.18	18.27	1.52
0.283	0.93	6.283	1.52	12.283	12.18	18.28	1.52
0.300	0.93	6.300	1.52	12.300	12.18	18.30	1.52
0.317	0.93	6.317	1.52	12.317	12.18	18.32	1.52
0.333	0.93	6.333	1.52	12.333	12.18	18.33	1.52
0.350	0.93	6.350	1.52	12.350	12.18	18.35	1.52
0.367	0.93	6.367	1.52	12.367	12.18	18.37	1.52
0.383	0.93	6.383	1.52	12.383	12.18	18.38	1.52
0.400	0.93	6.400	1.52	12.400	12.18	18.40	1.52
0.417	0.93	6.417	1.52	12.417	12.18	18.42	1.52
0.433	0.93	6.433	1.52	12.433	12.18	18.43	1.52
0.450	0.93	6.450	1.52	12.450	12.18	18.45	1.52
0.467	0.93	6.467	1.52	12.467	12.18	18.47	1.52
0.483	0.93	6.483	1.52	12.483	12.18	18.48	1.52
0.500	0.93	6.500	1.52	12.500	12.18	18.50	1.52
0.517	0.93	6.517	1.52	12.517	6.27	18.52	1.52
0.533	0.93	6.533	1.52	12.533	6.26	18.53	1.52
0.550	0.93	6.550	1.52	12.550	6.26	18.55	1.52
0.567	0.93	6.567	1.52	12.567	6.26	18.57	1.52
0.583	0.93	6.583	1.52	12.583	6.26	18.58	1.52
0.600	0.93	6.600	1.52	12.600	6.26	18.60	1.52
0.617	0.93	6.617	1.52	12.617	6.26	18.62	1.52
0.633	0.93	6.633	1.52	12.633	6.26	18.63	1.52
0.650	0.93	6.650	1.52	12.650	6.26	18.65	1.52
0.667	0.93	6.667	1.52	12.667	6.26	18.67	1.52
0.683	0.93	6.683	1.52	12.683	6.26	18.68	1.52
0.700	0.93	6.700	1.52	12.700	6.26	18.70	1.52
0.717	0.93	6.717	1.52	12.717	6.26	18.72	1.52
0.733	0.93	6.733	1.52	12.733	6.26	18.73	1.52
0.750	0.93	6.750	1.52	12.750	6.26	18.75	1.52
0.767	0.93	6.767	1.52	12.767	6.26	18.77	1.52
0.783	0.93	6.783	1.52	12.783	6.26	18.78	1.52
0.800	0.93	6.800	1.52	12.800	6.26	18.80	1.52
0.817	0.93	6.817	1.52	12.817	6.26	18.82	1.52
0.833	0.93	6.833	1.52	12.833	6.26	18.83	1.52
0.850	0.93	6.850	1.52	12.850	6.26	18.85	1.52
0.867	0.93	6.867	1.52	12.867	6.26	18.87	1.52
0.883	0.93	6.883	1.52	12.883	6.26	18.88	1.52
0.900	0.93	6.900	1.52	12.900	6.26	18.90	1.52
0.917	0.93	6.917	1.52	12.917	6.26	18.92	1.52
0.933	0.93	6.933	1.52	12.933	6.26	18.93	1.52
0.950	0.93	6.950	1.52	12.950	6.26	18.95	1.52

0.967	0.93	6.967	1.52	12.967	6.26	18.97	1.52
0.983	0.93	6.983	1.52	12.983	6.26	18.98	1.52
1.000	0.93	7.000	1.52	13.000	6.26	19.00	1.52
1.017	0.93	7.017	1.86	13.017	4.57	19.02	1.52
1.033	0.93	7.033	1.86	13.033	4.57	19.03	1.52
1.050	0.93	7.050	1.86	13.050	4.57	19.05	1.52
1.067	0.93	7.067	1.86	13.067	4.57	19.07	1.52
1.083	0.93	7.083	1.86	13.083	4.57	19.08	1.52
1.100	0.93	7.100	1.86	13.100	4.57	19.10	1.52
1.117	0.93	7.117	1.86	13.117	4.57	19.12	1.52
1.133	0.93	7.133	1.86	13.133	4.57	19.13	1.52
1.150	0.93	7.150	1.86	13.150	4.57	19.15	1.52
1.167	0.93	7.167	1.86	13.167	4.57	19.17	1.52
1.183	0.93	7.183	1.86	13.183	4.57	19.18	1.52
1.200	0.93	7.200	1.86	13.200	4.57	19.20	1.52
1.217	0.93	7.217	1.86	13.217	4.57	19.22	1.52
1.233	0.93	7.233	1.86	13.233	4.57	19.23	1.52
1.250	0.93	7.250	1.86	13.250	4.57	19.25	1.52
1.267	0.93	7.267	1.86	13.267	4.57	19.27	1.52
1.283	0.93	7.283	1.86	13.283	4.57	19.28	1.52
1.300	0.93	7.300	1.86	13.300	4.57	19.30	1.52
1.317	0.93	7.317	1.86	13.317	4.57	19.32	1.52
1.333	0.93	7.333	1.86	13.333	4.57	19.33	1.52
1.350	0.93	7.350	1.86	13.350	4.57	19.35	1.52
1.367	0.93	7.367	1.86	13.367	4.57	19.37	1.52
1.383	0.93	7.383	1.86	13.383	4.57	19.38	1.52
1.400	0.93	7.400	1.86	13.400	4.57	19.40	1.52
1.417	0.93	7.417	1.86	13.417	4.57	19.42	1.52
1.433	0.93	7.433	1.86	13.433	4.57	19.43	1.52
1.450	0.93	7.450	1.86	13.450	4.57	19.45	1.52
1.467	0.93	7.467	1.86	13.467	4.57	19.47	1.52
1.483	0.93	7.483	1.86	13.483	4.57	19.48	1.52
1.500	0.93	7.500	1.86	13.500	4.57	19.50	1.52
1.517	0.93	7.517	1.86	13.517	3.55	19.52	1.52
1.533	0.93	7.533	1.86	13.533	3.55	19.53	1.52
1.550	0.93	7.550	1.86	13.550	3.55	19.55	1.52
1.567	0.93	7.567	1.86	13.567	3.55	19.57	1.52
1.583	0.93	7.583	1.86	13.583	3.55	19.58	1.52
1.600	0.93	7.600	1.86	13.600	3.55	19.60	1.52
1.617	0.93	7.617	1.86	13.617	3.55	19.62	1.52
1.633	0.93	7.633	1.86	13.633	3.55	19.63	1.52
1.650	0.93	7.650	1.86	13.650	3.55	19.65	1.52
1.667	0.93	7.667	1.86	13.667	3.55	19.67	1.52
1.683	0.93	7.683	1.86	13.683	3.55	19.68	1.52
1.700	0.93	7.700	1.86	13.700	3.55	19.70	1.52
1.717	0.93	7.717	1.86	13.717	3.55	19.72	1.52
1.733	0.93	7.733	1.86	13.733	3.55	19.73	1.52
1.750	0.93	7.750	1.86	13.750	3.55	19.75	1.52
1.767	0.93	7.767	1.86	13.767	3.55	19.77	1.52
1.783	0.93	7.783	1.86	13.783	3.55	19.78	1.52
1.800	0.93	7.800	1.86	13.800	3.55	19.80	1.52
1.817	0.93	7.817	1.86	13.817	3.55	19.82	1.52
1.833	0.93	7.833	1.86	13.833	3.55	19.83	1.52
1.850	0.93	7.850	1.86	13.850	3.55	19.85	1.52
1.867	0.93	7.867	1.86	13.867	3.55	19.87	1.52
1.883	0.93	7.883	1.86	13.883	3.55	19.88	1.52
1.900	0.93	7.900	1.86	13.900	3.55	19.90	1.52
1.917	0.93	7.917	1.86	13.917	3.55	19.92	1.52
1.933	0.93	7.933	1.86	13.933	3.55	19.93	1.52
1.950	0.93	7.950	1.86	13.950	3.55	19.95	1.52
1.967	0.93	7.967	1.86	13.967	3.55	19.97	1.52
1.983	0.93	7.983	1.86	13.983	3.55	19.98	1.52
2.000	0.93	8.000	1.86	14.000	3.55	20.00	1.52
2.017	1.10	8.017	2.20	14.017	2.54	20.02	1.02
2.033	1.10	8.033	2.20	14.033	2.54	20.03	1.02
2.050	1.10	8.050	2.20	14.050	2.54	20.05	1.02
2.067	1.10	8.067	2.20	14.067	2.54	20.07	1.02
2.083	1.10	8.083	2.20	14.083	2.54	20.08	1.02
2.100	1.10	8.100	2.20	14.100	2.54	20.10	1.02
2.117	1.10	8.117	2.20	14.117	2.54	20.12	1.02
2.133	1.10	8.133	2.20	14.133	2.54	20.13	1.02
2.150	1.10	8.150	2.20	14.150	2.54	20.15	1.02
2.167	1.10	8.167	2.20	14.167	2.54	20.17	1.02
2.183	1.10	8.183	2.20	14.183	2.54	20.18	1.02
2.200	1.10	8.200	2.20	14.200	2.54	20.20	1.02
2.217	1.10	8.217	2.20	14.217	2.54	20.22	1.02
2.233	1.10	8.233	2.20	14.233	2.54	20.23	1.02
2.250	1.10	8.250	2.20	14.250	2.54	20.25	1.02
2.267	1.10	8.267	2.20	14.267	2.54	20.27	1.02
2.283	1.10	8.283	2.20	14.283	2.54	20.28	1.02
2.300	1.10	8.300	2.20	14.300	2.54	20.30	1.02
2.317	1.10	8.317	2.20	14.317	2.54	20.32	1.02
2.333	1.10	8.333	2.20	14.333	2.54	20.33	1.02
2.350	1.10	8.350	2.20	14.350	2.54	20.35	1.02

2.367	1.10	8.367	2.20	14.367	2.54	20.37	1.02
2.383	1.10	8.383	2.20	14.383	2.54	20.38	1.02
2.400	1.10	8.400	2.20	14.400	2.54	20.40	1.02
2.417	1.10	8.417	2.20	14.417	2.54	20.42	1.02
2.433	1.10	8.433	2.20	14.433	2.54	20.43	1.02
2.450	1.10	8.450	2.20	14.450	2.54	20.45	1.02
2.467	1.10	8.467	2.20	14.467	2.54	20.47	1.02
2.483	1.10	8.483	2.20	14.483	2.54	20.48	1.02
2.500	1.10	8.500	2.20	14.500	2.54	20.50	1.02
2.517	1.10	8.517	2.37	14.517	2.54	20.52	1.02
2.533	1.10	8.533	2.37	14.533	2.54	20.53	1.02
2.550	1.10	8.550	2.37	14.550	2.54	20.55	1.02
2.567	1.10	8.567	2.37	14.567	2.54	20.57	1.02
2.583	1.10	8.583	2.37	14.583	2.54	20.58	1.02
2.600	1.10	8.600	2.37	14.600	2.54	20.60	1.02
2.617	1.10	8.617	2.37	14.617	2.54	20.62	1.02
2.633	1.10	8.633	2.37	14.633	2.54	20.63	1.02
2.650	1.10	8.650	2.37	14.650	2.54	20.65	1.02
2.667	1.10	8.667	2.37	14.667	2.54	20.67	1.02
2.683	1.10	8.683	2.37	14.683	2.54	20.68	1.02
2.700	1.10	8.700	2.37	14.700	2.54	20.70	1.02
2.717	1.10	8.717	2.37	14.717	2.54	20.72	1.02
2.733	1.10	8.733	2.37	14.733	2.54	20.73	1.02
2.750	1.10	8.750	2.37	14.750	2.54	20.75	1.02
2.767	1.10	8.767	2.37	14.767	2.54	20.77	1.02
2.783	1.10	8.783	2.37	14.783	2.54	20.78	1.02
2.800	1.10	8.800	2.37	14.800	2.54	20.80	1.02
2.817	1.10	8.817	2.37	14.817	2.54	20.82	1.02
2.833	1.10	8.833	2.37	14.833	2.54	20.83	1.02
2.850	1.10	8.850	2.37	14.850	2.54	20.85	1.02
2.867	1.10	8.867	2.37	14.867	2.54	20.87	1.02
2.883	1.10	8.883	2.37	14.883	2.54	20.88	1.02
2.900	1.10	8.900	2.37	14.900	2.54	20.90	1.02
2.917	1.10	8.917	2.37	14.917	2.54	20.92	1.02
2.933	1.10	8.933	2.37	14.933	2.54	20.93	1.02
2.950	1.10	8.950	2.37	14.950	2.54	20.95	1.02
2.967	1.10	8.967	2.37	14.967	2.54	20.97	1.02
2.983	1.10	8.983	2.37	14.983	2.54	20.98	1.02
3.000	1.10	9.000	2.37	15.000	2.54	21.00	1.02
3.017	1.10	9.017	2.71	15.017	2.54	21.02	1.02
3.033	1.10	9.033	2.71	15.033	2.54	21.03	1.02
3.050	1.10	9.050	2.71	15.050	2.54	21.05	1.02
3.067	1.10	9.067	2.71	15.067	2.54	21.07	1.02
3.083	1.10	9.083	2.71	15.083	2.54	21.08	1.02
3.100	1.10	9.100	2.71	15.100	2.54	21.10	1.02
3.117	1.10	9.117	2.71	15.117	2.54	21.12	1.02
3.133	1.10	9.133	2.71	15.133	2.54	21.13	1.02
3.150	1.10	9.150	2.71	15.150	2.54	21.15	1.02
3.167	1.10	9.167	2.71	15.167	2.54	21.17	1.02
3.183	1.10	9.183	2.71	15.183	2.54	21.18	1.02
3.200	1.10	9.200	2.71	15.200	2.54	21.20	1.02
3.217	1.10	9.217	2.71	15.217	2.54	21.22	1.02
3.233	1.10	9.233	2.71	15.233	2.54	21.23	1.02
3.250	1.10	9.250	2.71	15.250	2.54	21.25	1.02
3.267	1.10	9.267	2.71	15.267	2.54	21.27	1.02
3.283	1.10	9.283	2.71	15.283	2.54	21.28	1.02
3.300	1.10	9.300	2.71	15.300	2.54	21.30	1.02
3.317	1.10	9.317	2.71	15.317	2.54	21.32	1.02
3.333	1.10	9.333	2.71	15.333	2.54	21.33	1.02
3.350	1.10	9.350	2.71	15.350	2.54	21.35	1.02
3.367	1.10	9.367	2.71	15.367	2.54	21.37	1.02
3.383	1.10	9.383	2.71	15.383	2.54	21.38	1.02
3.400	1.10	9.400	2.71	15.400	2.54	21.40	1.02
3.417	1.10	9.417	2.71	15.417	2.54	21.42	1.02
3.433	1.10	9.433	2.71	15.433	2.54	21.43	1.02
3.450	1.10	9.450	2.71	15.450	2.54	21.45	1.02
3.467	1.10	9.467	2.71	15.467	2.54	21.47	1.02
3.483	1.10	9.483	2.71	15.483	2.54	21.48	1.02
3.500	1.10	9.500	2.71	15.500	2.54	21.50	1.02
3.517	1.10	9.517	3.05	15.517	2.54	21.52	1.02
3.533	1.10	9.533	3.05	15.533	2.54	21.53	1.02
3.550	1.10	9.550	3.05	15.550	2.54	21.55	1.02
3.567	1.10	9.567	3.05	15.567	2.54	21.57	1.02
3.583	1.10	9.583	3.05	15.583	2.54	21.58	1.02
3.600	1.10	9.600	3.05	15.600	2.54	21.60	1.02
3.617	1.10	9.617	3.05	15.617	2.54	21.62	1.02
3.633	1.10	9.633	3.05	15.633	2.54	21.63	1.02
3.650	1.10	9.650	3.05	15.650	2.54	21.65	1.02
3.667	1.10	9.667	3.05	15.667	2.54	21.67	1.02
3.683	1.10	9.683	3.05	15.683	2.54	21.68	1.02
3.700	1.10	9.700	3.05	15.700	2.54	21.70	1.02
3.717	1.10	9.717	3.05	15.717	2.54	21.72	1.02
3.733	1.10	9.733	3.05	15.733	2.54	21.73	1.02
3.750	1.10	9.750	3.05	15.750	2.54	21.75	1.02

3.767	1.10	9.767	3.05	15.767	2.54	21.77	1.02
3.783	1.10	9.783	3.05	15.783	2.54	21.78	1.02
3.800	1.10	9.800	3.05	15.800	2.54	21.80	1.02
3.817	1.10	9.817	3.05	15.817	2.54	21.82	1.02
3.833	1.10	9.833	3.05	15.833	2.54	21.83	1.02
3.850	1.10	9.850	3.05	15.850	2.54	21.85	1.02
3.867	1.10	9.867	3.05	15.867	2.54	21.87	1.02
3.883	1.10	9.883	3.05	15.883	2.54	21.88	1.02
3.900	1.10	9.900	3.05	15.900	2.54	21.90	1.02
3.917	1.10	9.917	3.05	15.917	2.54	21.92	1.02
3.933	1.10	9.933	3.05	15.933	2.54	21.93	1.02
3.950	1.10	9.950	3.05	15.950	2.54	21.95	1.02
3.967	1.10	9.967	3.05	15.967	2.54	21.97	1.02
3.983	1.10	9.983	3.05	15.983	2.54	21.98	1.02
4.000	1.10	10.000	3.05	16.000	2.54	22.00	1.02
4.017	1.35	10.017	3.89	16.017	1.52	22.02	1.02
4.033	1.35	10.033	3.89	16.033	1.52	22.03	1.02
4.050	1.35	10.050	3.89	16.050	1.52	22.05	1.02
4.067	1.35	10.067	3.89	16.067	1.52	22.07	1.02
4.083	1.35	10.083	3.89	16.083	1.52	22.08	1.02
4.100	1.35	10.100	3.89	16.100	1.52	22.10	1.02
4.117	1.35	10.117	3.89	16.117	1.52	22.12	1.02
4.133	1.35	10.133	3.89	16.133	1.52	22.13	1.02
4.150	1.35	10.150	3.89	16.150	1.52	22.15	1.02
4.167	1.35	10.167	3.89	16.167	1.52	22.17	1.02
4.183	1.35	10.183	3.89	16.183	1.52	22.18	1.02
4.200	1.35	10.200	3.89	16.200	1.52	22.20	1.02
4.217	1.35	10.217	3.89	16.217	1.52	22.22	1.02
4.233	1.35	10.233	3.89	16.233	1.52	22.23	1.02
4.250	1.35	10.250	3.89	16.250	1.52	22.25	1.02
4.267	1.35	10.267	3.89	16.267	1.52	22.27	1.02
4.283	1.35	10.283	3.89	16.283	1.52	22.28	1.02
4.300	1.35	10.300	3.89	16.300	1.52	22.30	1.02
4.317	1.35	10.317	3.89	16.317	1.52	22.32	1.02
4.333	1.35	10.333	3.89	16.333	1.52	22.33	1.02
4.350	1.35	10.350	3.89	16.350	1.52	22.35	1.02
4.367	1.35	10.367	3.89	16.367	1.52	22.37	1.02
4.383	1.35	10.383	3.89	16.383	1.52	22.38	1.02
4.400	1.35	10.400	3.89	16.400	1.52	22.40	1.02
4.417	1.35	10.417	3.89	16.417	1.52	22.42	1.02
4.433	1.35	10.433	3.89	16.433	1.52	22.43	1.02
4.450	1.35	10.450	3.89	16.450	1.52	22.45	1.02
4.467	1.35	10.467	3.89	16.467	1.52	22.47	1.02
4.483	1.35	10.483	3.89	16.483	1.52	22.48	1.02
4.500	1.35	10.500	3.89	16.500	1.52	22.50	1.02
4.517	1.35	10.517	5.24	16.517	1.52	22.52	1.02
4.533	1.35	10.533	5.24	16.533	1.52	22.53	1.02
4.550	1.35	10.550	5.24	16.550	1.52	22.55	1.02
4.567	1.35	10.567	5.24	16.567	1.52	22.57	1.02
4.583	1.35	10.583	5.24	16.583	1.52	22.58	1.02
4.600	1.35	10.600	5.24	16.600	1.52	22.60	1.02
4.617	1.35	10.617	5.24	16.617	1.52	22.62	1.02
4.633	1.35	10.633	5.24	16.633	1.52	22.63	1.02
4.650	1.35	10.650	5.24	16.650	1.52	22.65	1.02
4.667	1.35	10.667	5.24	16.667	1.52	22.67	1.02
4.683	1.35	10.683	5.24	16.683	1.52	22.68	1.02
4.700	1.35	10.700	5.24	16.700	1.52	22.70	1.02
4.717	1.35	10.717	5.24	16.717	1.52	22.72	1.02
4.733	1.35	10.733	5.24	16.733	1.52	22.73	1.02
4.750	1.35	10.750	5.24	16.750	1.52	22.75	1.02
4.767	1.35	10.767	5.24	16.767	1.52	22.77	1.02
4.783	1.35	10.783	5.24	16.783	1.52	22.78	1.02
4.800	1.35	10.800	5.24	16.800	1.52	22.80	1.02
4.817	1.35	10.817	5.24	16.817	1.52	22.82	1.02
4.833	1.35	10.833	5.24	16.833	1.52	22.83	1.02
4.850	1.35	10.850	5.24	16.850	1.52	22.85	1.02
4.867	1.35	10.867	5.24	16.867	1.52	22.87	1.02
4.883	1.35	10.883	5.24	16.883	1.52	22.88	1.02
4.900	1.35	10.900	5.24	16.900	1.52	22.90	1.02
4.917	1.35	10.917	5.24	16.917	1.52	22.92	1.02
4.933	1.35	10.933	5.24	16.933	1.52	22.93	1.02
4.950	1.35	10.950	5.24	16.950	1.52	22.95	1.02
4.967	1.35	10.967	5.24	16.967	1.52	22.97	1.02
4.983	1.35	10.983	5.24	16.983	1.52	22.98	1.02
5.000	1.35	11.000	5.25	17.000	1.52	23.00	1.02
5.017	1.35	11.017	8.12	17.017	1.52	23.02	1.02
5.033	1.35	11.033	8.12	17.033	1.52	23.03	1.02
5.050	1.35	11.050	8.12	17.050	1.52	23.05	1.02
5.067	1.35	11.067	8.12	17.067	1.52	23.07	1.02
5.083	1.35	11.083	8.12	17.083	1.52	23.08	1.02
5.100	1.35	11.100	8.12	17.100	1.52	23.10	1.02
5.117	1.35	11.117	8.12	17.117	1.52	23.12	1.02
5.133	1.35	11.133	8.12	17.133	1.52	23.13	1.02
5.150	1.35	11.150	8.12	17.150	1.52	23.15	1.02

5.167	1.35	11.167	8.12	17.167	1.52	23.17	1.02
5.183	1.35	11.183	8.12	17.183	1.52	23.18	1.02
5.200	1.35	11.200	8.12	17.200	1.52	23.20	1.02
5.217	1.35	11.217	8.12	17.217	1.52	23.22	1.02
5.233	1.35	11.233	8.12	17.233	1.52	23.23	1.02
5.250	1.35	11.250	8.12	17.250	1.52	23.25	1.02
5.267	1.35	11.267	8.12	17.267	1.52	23.27	1.02
5.283	1.35	11.283	8.12	17.283	1.52	23.28	1.02
5.300	1.35	11.300	8.12	17.300	1.52	23.30	1.02
5.317	1.35	11.317	8.12	17.317	1.52	23.32	1.02
5.333	1.35	11.333	8.12	17.333	1.52	23.33	1.02
5.350	1.35	11.350	8.12	17.350	1.52	23.35	1.02
5.367	1.35	11.367	8.12	17.367	1.52	23.37	1.02
5.383	1.35	11.383	8.12	17.383	1.52	23.38	1.02
5.400	1.35	11.400	8.12	17.400	1.52	23.40	1.02
5.417	1.35	11.417	8.12	17.417	1.52	23.42	1.02
5.433	1.35	11.433	8.12	17.433	1.52	23.43	1.02
5.450	1.35	11.450	8.12	17.450	1.52	23.45	1.02
5.467	1.35	11.467	8.12	17.467	1.52	23.47	1.02
5.483	1.35	11.483	8.12	17.483	1.52	23.48	1.02
5.500	1.35	11.500	8.12	17.500	1.52	23.50	1.02
5.517	1.35	11.517	25.03	17.517	1.52	23.52	1.02
5.533	1.35	11.533	25.04	17.533	1.52	23.53	1.02
5.550	1.35	11.550	25.04	17.550	1.52	23.55	1.02
5.567	1.35	11.567	25.04	17.567	1.52	23.57	1.02
5.583	1.35	11.583	25.04	17.583	1.52	23.58	1.02
5.600	1.35	11.600	25.04	17.600	1.52	23.60	1.02
5.617	1.35	11.617	25.04	17.617	1.52	23.62	1.02
5.633	1.35	11.633	25.04	17.633	1.52	23.63	1.02
5.650	1.35	11.650	25.04	17.650	1.52	23.65	1.02
5.667	1.35	11.667	25.04	17.667	1.52	23.67	1.02
5.683	1.35	11.683	25.04	17.683	1.52	23.68	1.02
5.700	1.35	11.700	25.04	17.700	1.52	23.70	1.02
5.717	1.35	11.717	25.04	17.717	1.52	23.72	1.02
5.733	1.35	11.733	25.04	17.733	1.52	23.73	1.02
5.750	1.35	11.750	25.04	17.750	1.52	23.75	1.02
5.767	1.35	11.767	103.50	17.767	1.52	23.77	1.02
5.783	1.35	11.783	103.54	17.783	1.52	23.78	1.02
5.800	1.35	11.800	103.54	17.800	1.52	23.80	1.02
5.817	1.35	11.817	103.54	17.817	1.52	23.82	1.02
5.833	1.35	11.833	103.54	17.833	1.52	23.83	1.02
5.850	1.35	11.850	103.54	17.850	1.52	23.85	1.02
5.867	1.35	11.867	103.54	17.867	1.52	23.87	1.02
5.883	1.35	11.883	103.54	17.883	1.52	23.88	1.02
5.900	1.35	11.900	103.54	17.900	1.52	23.90	1.02
5.917	1.35	11.917	103.54	17.917	1.52	23.92	1.02
5.933	1.35	11.933	103.54	17.933	1.52	23.93	1.02
5.950	1.35	11.950	103.54	17.950	1.52	23.95	1.02
5.967	1.35	11.967	103.54	17.967	1.52	23.97	1.02
5.983	1.35	11.983	103.54	17.983	1.52	23.98	1.02
6.000	1.35	12.000	103.54	18.000	1.52	24.00	1.02

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.657 (i)
TIME TO PEAK (hrs)= 12.317
RUNOFF VOLUME (mm)= 21.609
TOTAL RAINFALL (mm)= 84.591
RUNOFF COEFFICIENT = 0.255

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.93	6.017	1.52	12.017	12.24	18.02	1.52
0.033	0.93	6.033	1.52	12.033	12.18	18.03	1.52
0.050	0.93	6.050	1.52	12.050	12.18	18.05	1.52
0.067	0.93	6.067	1.52	12.067	12.18	18.07	1.52
0.083	0.93	6.083	1.52	12.083	12.18	18.08	1.52
0.100	0.93	6.100	1.52	12.100	12.18	18.10	1.52
0.117	0.93	6.117	1.52	12.117	12.18	18.12	1.52
0.133	0.93	6.133	1.52	12.133	12.18	18.13	1.52
0.150	0.93	6.150	1.52	12.150	12.18	18.15	1.52

0.167	0.93	6.167	1.52	12.167	12.18	18.17	1.52
0.183	0.93	6.183	1.52	12.183	12.18	18.18	1.52
0.200	0.93	6.200	1.52	12.200	12.18	18.20	1.52
0.217	0.93	6.217	1.52	12.217	12.18	18.22	1.52
0.233	0.93	6.233	1.52	12.233	12.18	18.23	1.52
0.250	0.93	6.250	1.52	12.250	12.18	18.25	1.52
0.267	0.93	6.267	1.52	12.267	12.18	18.27	1.52
0.283	0.93	6.283	1.52	12.283	12.18	18.28	1.52
0.300	0.93	6.300	1.52	12.300	12.18	18.30	1.52
0.317	0.93	6.317	1.52	12.317	12.18	18.32	1.52
0.333	0.93	6.333	1.52	12.333	12.18	18.33	1.52
0.350	0.93	6.350	1.52	12.350	12.18	18.35	1.52
0.367	0.93	6.367	1.52	12.367	12.18	18.37	1.52
0.383	0.93	6.383	1.52	12.383	12.18	18.38	1.52
0.400	0.93	6.400	1.52	12.400	12.18	18.40	1.52
0.417	0.93	6.417	1.52	12.417	12.18	18.42	1.52
0.433	0.93	6.433	1.52	12.433	12.18	18.43	1.52
0.450	0.93	6.450	1.52	12.450	12.18	18.45	1.52
0.467	0.93	6.467	1.52	12.467	12.18	18.47	1.52
0.483	0.93	6.483	1.52	12.483	12.18	18.48	1.52
0.500	0.93	6.500	1.52	12.500	12.18	18.50	1.52
0.517	0.93	6.517	1.52	12.517	6.27	18.52	1.52
0.533	0.93	6.533	1.52	12.533	6.26	18.53	1.52
0.550	0.93	6.550	1.52	12.550	6.26	18.55	1.52
0.567	0.93	6.567	1.52	12.567	6.26	18.57	1.52
0.583	0.93	6.583	1.52	12.583	6.26	18.58	1.52
0.600	0.93	6.600	1.52	12.600	6.26	18.60	1.52
0.617	0.93	6.617	1.52	12.617	6.26	18.62	1.52
0.633	0.93	6.633	1.52	12.633	6.26	18.63	1.52
0.650	0.93	6.650	1.52	12.650	6.26	18.65	1.52
0.667	0.93	6.667	1.52	12.667	6.26	18.67	1.52
0.683	0.93	6.683	1.52	12.683	6.26	18.68	1.52
0.700	0.93	6.700	1.52	12.700	6.26	18.70	1.52
0.717	0.93	6.717	1.52	12.717	6.26	18.72	1.52
0.733	0.93	6.733	1.52	12.733	6.26	18.73	1.52
0.750	0.93	6.750	1.52	12.750	6.26	18.75	1.52
0.767	0.93	6.767	1.52	12.767	6.26	18.77	1.52
0.783	0.93	6.783	1.52	12.783	6.26	18.78	1.52
0.800	0.93	6.800	1.52	12.800	6.26	18.80	1.52
0.817	0.93	6.817	1.52	12.817	6.26	18.82	1.52
0.833	0.93	6.833	1.52	12.833	6.26	18.83	1.52
0.850	0.93	6.850	1.52	12.850	6.26	18.85	1.52
0.867	0.93	6.867	1.52	12.867	6.26	18.87	1.52
0.883	0.93	6.883	1.52	12.883	6.26	18.88	1.52
0.900	0.93	6.900	1.52	12.900	6.26	18.90	1.52
0.917	0.93	6.917	1.52	12.917	6.26	18.92	1.52
0.933	0.93	6.933	1.52	12.933	6.26	18.93	1.52
0.950	0.93	6.950	1.52	12.950	6.26	18.95	1.52
0.967	0.93	6.967	1.52	12.967	6.26	18.97	1.52
0.983	0.93	6.983	1.52	12.983	6.26	18.98	1.52
1.000	0.93	7.000	1.52	13.000	6.26	19.00	1.52
1.017	0.93	7.017	1.86	13.017	4.57	19.02	1.52
1.033	0.93	7.033	1.86	13.033	4.57	19.03	1.52
1.050	0.93	7.050	1.86	13.050	4.57	19.05	1.52
1.067	0.93	7.067	1.86	13.067	4.57	19.07	1.52
1.083	0.93	7.083	1.86	13.083	4.57	19.08	1.52
1.100	0.93	7.100	1.86	13.100	4.57	19.10	1.52
1.117	0.93	7.117	1.86	13.117	4.57	19.12	1.52
1.133	0.93	7.133	1.86	13.133	4.57	19.13	1.52
1.150	0.93	7.150	1.86	13.150	4.57	19.15	1.52
1.167	0.93	7.167	1.86	13.167	4.57	19.17	1.52
1.183	0.93	7.183	1.86	13.183	4.57	19.18	1.52
1.200	0.93	7.200	1.86	13.200	4.57	19.20	1.52
1.217	0.93	7.217	1.86	13.217	4.57	19.22	1.52
1.233	0.93	7.233	1.86	13.233	4.57	19.23	1.52
1.250	0.93	7.250	1.86	13.250	4.57	19.25	1.52
1.267	0.93	7.267	1.86	13.267	4.57	19.27	1.52
1.283	0.93	7.283	1.86	13.283	4.57	19.28	1.52
1.300	0.93	7.300	1.86	13.300	4.57	19.30	1.52
1.317	0.93	7.317	1.86	13.317	4.57	19.32	1.52
1.333	0.93	7.333	1.86	13.333	4.57	19.33	1.52
1.350	0.93	7.350	1.86	13.350	4.57	19.35	1.52
1.367	0.93	7.367	1.86	13.367	4.57	19.37	1.52
1.383	0.93	7.383	1.86	13.383	4.57	19.38	1.52
1.400	0.93	7.400	1.86	13.400	4.57	19.40	1.52
1.417	0.93	7.417	1.86	13.417	4.57	19.42	1.52
1.433	0.93	7.433	1.86	13.433	4.57	19.43	1.52
1.450	0.93	7.450	1.86	13.450	4.57	19.45	1.52
1.467	0.93	7.467	1.86	13.467	4.57	19.47	1.52
1.483	0.93	7.483	1.86	13.483	4.57	19.48	1.52
1.500	0.93	7.500	1.86	13.500	4.57	19.50	1.52
1.517	0.93	7.517	1.86	13.517	3.55	19.52	1.52
1.533	0.93	7.533	1.86	13.533	3.55	19.53	1.52
1.550	0.93	7.550	1.86	13.550	3.55	19.55	1.52

1.567	0.93	7.567	1.86	13.567	3.55	19.57	1.52
1.583	0.93	7.583	1.86	13.583	3.55	19.58	1.52
1.600	0.93	7.600	1.86	13.600	3.55	19.60	1.52
1.617	0.93	7.617	1.86	13.617	3.55	19.62	1.52
1.633	0.93	7.633	1.86	13.633	3.55	19.63	1.52
1.650	0.93	7.650	1.86	13.650	3.55	19.65	1.52
1.667	0.93	7.667	1.86	13.667	3.55	19.67	1.52
1.683	0.93	7.683	1.86	13.683	3.55	19.68	1.52
1.700	0.93	7.700	1.86	13.700	3.55	19.70	1.52
1.717	0.93	7.717	1.86	13.717	3.55	19.72	1.52
1.733	0.93	7.733	1.86	13.733	3.55	19.73	1.52
1.750	0.93	7.750	1.86	13.750	3.55	19.75	1.52
1.767	0.93	7.767	1.86	13.767	3.55	19.77	1.52
1.783	0.93	7.783	1.86	13.783	3.55	19.78	1.52
1.800	0.93	7.800	1.86	13.800	3.55	19.80	1.52
1.817	0.93	7.817	1.86	13.817	3.55	19.82	1.52
1.833	0.93	7.833	1.86	13.833	3.55	19.83	1.52
1.850	0.93	7.850	1.86	13.850	3.55	19.85	1.52
1.867	0.93	7.867	1.86	13.867	3.55	19.87	1.52
1.883	0.93	7.883	1.86	13.883	3.55	19.88	1.52
1.900	0.93	7.900	1.86	13.900	3.55	19.90	1.52
1.917	0.93	7.917	1.86	13.917	3.55	19.92	1.52
1.933	0.93	7.933	1.86	13.933	3.55	19.93	1.52
1.950	0.93	7.950	1.86	13.950	3.55	19.95	1.52
1.967	0.93	7.967	1.86	13.967	3.55	19.97	1.52
1.983	0.93	7.983	1.86	13.983	3.55	19.98	1.52
2.000	0.93	8.000	1.86	14.000	3.55	20.00	1.52
2.017	1.10	8.017	2.20	14.017	2.54	20.02	1.02
2.033	1.10	8.033	2.20	14.033	2.54	20.03	1.02
2.050	1.10	8.050	2.20	14.050	2.54	20.05	1.02
2.067	1.10	8.067	2.20	14.067	2.54	20.07	1.02
2.083	1.10	8.083	2.20	14.083	2.54	20.08	1.02
2.100	1.10	8.100	2.20	14.100	2.54	20.10	1.02
2.117	1.10	8.117	2.20	14.117	2.54	20.12	1.02
2.133	1.10	8.133	2.20	14.133	2.54	20.13	1.02
2.150	1.10	8.150	2.20	14.150	2.54	20.15	1.02
2.167	1.10	8.167	2.20	14.167	2.54	20.17	1.02
2.183	1.10	8.183	2.20	14.183	2.54	20.18	1.02
2.200	1.10	8.200	2.20	14.200	2.54	20.20	1.02
2.217	1.10	8.217	2.20	14.217	2.54	20.22	1.02
2.233	1.10	8.233	2.20	14.233	2.54	20.23	1.02
2.250	1.10	8.250	2.20	14.250	2.54	20.25	1.02
2.267	1.10	8.267	2.20	14.267	2.54	20.27	1.02
2.283	1.10	8.283	2.20	14.283	2.54	20.28	1.02
2.300	1.10	8.300	2.20	14.300	2.54	20.30	1.02
2.317	1.10	8.317	2.20	14.317	2.54	20.32	1.02
2.333	1.10	8.333	2.20	14.333	2.54	20.33	1.02
2.350	1.10	8.350	2.20	14.350	2.54	20.35	1.02
2.367	1.10	8.367	2.20	14.367	2.54	20.37	1.02
2.383	1.10	8.383	2.20	14.383	2.54	20.38	1.02
2.400	1.10	8.400	2.20	14.400	2.54	20.40	1.02
2.417	1.10	8.417	2.20	14.417	2.54	20.42	1.02
2.433	1.10	8.433	2.20	14.433	2.54	20.43	1.02
2.450	1.10	8.450	2.20	14.450	2.54	20.45	1.02
2.467	1.10	8.467	2.20	14.467	2.54	20.47	1.02
2.483	1.10	8.483	2.20	14.483	2.54	20.48	1.02
2.500	1.10	8.500	2.20	14.500	2.54	20.50	1.02
2.517	1.10	8.517	2.37	14.517	2.54	20.52	1.02
2.533	1.10	8.533	2.37	14.533	2.54	20.53	1.02
2.550	1.10	8.550	2.37	14.550	2.54	20.55	1.02
2.567	1.10	8.567	2.37	14.567	2.54	20.57	1.02
2.583	1.10	8.583	2.37	14.583	2.54	20.58	1.02
2.600	1.10	8.600	2.37	14.600	2.54	20.60	1.02
2.617	1.10	8.617	2.37	14.617	2.54	20.62	1.02
2.633	1.10	8.633	2.37	14.633	2.54	20.63	1.02
2.650	1.10	8.650	2.37	14.650	2.54	20.65	1.02
2.667	1.10	8.667	2.37	14.667	2.54	20.67	1.02
2.683	1.10	8.683	2.37	14.683	2.54	20.68	1.02
2.700	1.10	8.700	2.37	14.700	2.54	20.70	1.02
2.717	1.10	8.717	2.37	14.717	2.54	20.72	1.02
2.733	1.10	8.733	2.37	14.733	2.54	20.73	1.02
2.750	1.10	8.750	2.37	14.750	2.54	20.75	1.02
2.767	1.10	8.767	2.37	14.767	2.54	20.77	1.02
2.783	1.10	8.783	2.37	14.783	2.54	20.78	1.02
2.800	1.10	8.800	2.37	14.800	2.54	20.80	1.02
2.817	1.10	8.817	2.37	14.817	2.54	20.82	1.02
2.833	1.10	8.833	2.37	14.833	2.54	20.83	1.02
2.850	1.10	8.850	2.37	14.850	2.54	20.85	1.02
2.867	1.10	8.867	2.37	14.867	2.54	20.87	1.02
2.883	1.10	8.883	2.37	14.883	2.54	20.88	1.02
2.900	1.10	8.900	2.37	14.900	2.54	20.90	1.02
2.917	1.10	8.917	2.37	14.917	2.54	20.92	1.02
2.933	1.10	8.933	2.37	14.933	2.54	20.93	1.02
2.950	1.10	8.950	2.37	14.950	2.54	20.95	1.02

2.967	1.10	8.967	2.37	14.967	2.54	20.97	1.02
2.983	1.10	8.983	2.37	14.983	2.54	20.98	1.02
3.000	1.10	9.000	2.37	15.000	2.54	21.00	1.02
3.017	1.10	9.017	2.71	15.017	2.54	21.02	1.02
3.033	1.10	9.033	2.71	15.033	2.54	21.03	1.02
3.050	1.10	9.050	2.71	15.050	2.54	21.05	1.02
3.067	1.10	9.067	2.71	15.067	2.54	21.07	1.02
3.083	1.10	9.083	2.71	15.083	2.54	21.08	1.02
3.100	1.10	9.100	2.71	15.100	2.54	21.10	1.02
3.117	1.10	9.117	2.71	15.117	2.54	21.12	1.02
3.133	1.10	9.133	2.71	15.133	2.54	21.13	1.02
3.150	1.10	9.150	2.71	15.150	2.54	21.15	1.02
3.167	1.10	9.167	2.71	15.167	2.54	21.17	1.02
3.183	1.10	9.183	2.71	15.183	2.54	21.18	1.02
3.200	1.10	9.200	2.71	15.200	2.54	21.20	1.02
3.217	1.10	9.217	2.71	15.217	2.54	21.22	1.02
3.233	1.10	9.233	2.71	15.233	2.54	21.23	1.02
3.250	1.10	9.250	2.71	15.250	2.54	21.25	1.02
3.267	1.10	9.267	2.71	15.267	2.54	21.27	1.02
3.283	1.10	9.283	2.71	15.283	2.54	21.28	1.02
3.300	1.10	9.300	2.71	15.300	2.54	21.30	1.02
3.317	1.10	9.317	2.71	15.317	2.54	21.32	1.02
3.333	1.10	9.333	2.71	15.333	2.54	21.33	1.02
3.350	1.10	9.350	2.71	15.350	2.54	21.35	1.02
3.367	1.10	9.367	2.71	15.367	2.54	21.37	1.02
3.383	1.10	9.383	2.71	15.383	2.54	21.38	1.02
3.400	1.10	9.400	2.71	15.400	2.54	21.40	1.02
3.417	1.10	9.417	2.71	15.417	2.54	21.42	1.02
3.433	1.10	9.433	2.71	15.433	2.54	21.43	1.02
3.450	1.10	9.450	2.71	15.450	2.54	21.45	1.02
3.467	1.10	9.467	2.71	15.467	2.54	21.47	1.02
3.483	1.10	9.483	2.71	15.483	2.54	21.48	1.02
3.500	1.10	9.500	2.71	15.500	2.54	21.50	1.02
3.517	1.10	9.517	3.05	15.517	2.54	21.52	1.02
3.533	1.10	9.533	3.05	15.533	2.54	21.53	1.02
3.550	1.10	9.550	3.05	15.550	2.54	21.55	1.02
3.567	1.10	9.567	3.05	15.567	2.54	21.57	1.02
3.583	1.10	9.583	3.05	15.583	2.54	21.58	1.02
3.600	1.10	9.600	3.05	15.600	2.54	21.60	1.02
3.617	1.10	9.617	3.05	15.617	2.54	21.62	1.02
3.633	1.10	9.633	3.05	15.633	2.54	21.63	1.02
3.650	1.10	9.650	3.05	15.650	2.54	21.65	1.02
3.667	1.10	9.667	3.05	15.667	2.54	21.67	1.02
3.683	1.10	9.683	3.05	15.683	2.54	21.68	1.02
3.700	1.10	9.700	3.05	15.700	2.54	21.70	1.02
3.717	1.10	9.717	3.05	15.717	2.54	21.72	1.02
3.733	1.10	9.733	3.05	15.733	2.54	21.73	1.02
3.750	1.10	9.750	3.05	15.750	2.54	21.75	1.02
3.767	1.10	9.767	3.05	15.767	2.54	21.77	1.02
3.783	1.10	9.783	3.05	15.783	2.54	21.78	1.02
3.800	1.10	9.800	3.05	15.800	2.54	21.80	1.02
3.817	1.10	9.817	3.05	15.817	2.54	21.82	1.02
3.833	1.10	9.833	3.05	15.833	2.54	21.83	1.02
3.850	1.10	9.850	3.05	15.850	2.54	21.85	1.02
3.867	1.10	9.867	3.05	15.867	2.54	21.87	1.02
3.883	1.10	9.883	3.05	15.883	2.54	21.88	1.02
3.900	1.10	9.900	3.05	15.900	2.54	21.90	1.02
3.917	1.10	9.917	3.05	15.917	2.54	21.92	1.02
3.933	1.10	9.933	3.05	15.933	2.54	21.93	1.02
3.950	1.10	9.950	3.05	15.950	2.54	21.95	1.02
3.967	1.10	9.967	3.05	15.967	2.54	21.97	1.02
3.983	1.10	9.983	3.05	15.983	2.54	21.98	1.02
4.000	1.10	10.000	3.05	16.000	2.54	22.00	1.02
4.017	1.35	10.017	3.89	16.017	1.52	22.02	1.02
4.033	1.35	10.033	3.89	16.033	1.52	22.03	1.02
4.050	1.35	10.050	3.89	16.050	1.52	22.05	1.02
4.067	1.35	10.067	3.89	16.067	1.52	22.07	1.02
4.083	1.35	10.083	3.89	16.083	1.52	22.08	1.02
4.100	1.35	10.100	3.89	16.100	1.52	22.10	1.02
4.117	1.35	10.117	3.89	16.117	1.52	22.12	1.02
4.133	1.35	10.133	3.89	16.133	1.52	22.13	1.02
4.150	1.35	10.150	3.89	16.150	1.52	22.15	1.02
4.167	1.35	10.167	3.89	16.167	1.52	22.17	1.02
4.183	1.35	10.183	3.89	16.183	1.52	22.18	1.02
4.200	1.35	10.200	3.89	16.200	1.52	22.20	1.02
4.217	1.35	10.217	3.89	16.217	1.52	22.22	1.02
4.233	1.35	10.233	3.89	16.233	1.52	22.23	1.02
4.250	1.35	10.250	3.89	16.250	1.52	22.25	1.02
4.267	1.35	10.267	3.89	16.267	1.52	22.27	1.02
4.283	1.35	10.283	3.89	16.283	1.52	22.28	1.02
4.300	1.35	10.300	3.89	16.300	1.52	22.30	1.02
4.317	1.35	10.317	3.89	16.317	1.52	22.32	1.02
4.333	1.35	10.333	3.89	16.333	1.52	22.33	1.02
4.350	1.35	10.350	3.89	16.350	1.52	22.35	1.02

4.367	1.35	10.367	3.89	16.367	1.52	22.37	1.02
4.383	1.35	10.383	3.89	16.383	1.52	22.38	1.02
4.400	1.35	10.400	3.89	16.400	1.52	22.40	1.02
4.417	1.35	10.417	3.89	16.417	1.52	22.42	1.02
4.433	1.35	10.433	3.89	16.433	1.52	22.43	1.02
4.450	1.35	10.450	3.89	16.450	1.52	22.45	1.02
4.467	1.35	10.467	3.89	16.467	1.52	22.47	1.02
4.483	1.35	10.483	3.89	16.483	1.52	22.48	1.02
4.500	1.35	10.500	3.89	16.500	1.52	22.50	1.02
4.517	1.35	10.517	5.24	16.517	1.52	22.52	1.02
4.533	1.35	10.533	5.24	16.533	1.52	22.53	1.02
4.550	1.35	10.550	5.24	16.550	1.52	22.55	1.02
4.567	1.35	10.567	5.24	16.567	1.52	22.57	1.02
4.583	1.35	10.583	5.24	16.583	1.52	22.58	1.02
4.600	1.35	10.600	5.24	16.600	1.52	22.60	1.02
4.617	1.35	10.617	5.24	16.617	1.52	22.62	1.02
4.633	1.35	10.633	5.24	16.633	1.52	22.63	1.02
4.650	1.35	10.650	5.24	16.650	1.52	22.65	1.02
4.667	1.35	10.667	5.24	16.667	1.52	22.67	1.02
4.683	1.35	10.683	5.24	16.683	1.52	22.68	1.02
4.700	1.35	10.700	5.24	16.700	1.52	22.70	1.02
4.717	1.35	10.717	5.24	16.717	1.52	22.72	1.02
4.733	1.35	10.733	5.24	16.733	1.52	22.73	1.02
4.750	1.35	10.750	5.24	16.750	1.52	22.75	1.02
4.767	1.35	10.767	5.24	16.767	1.52	22.77	1.02
4.783	1.35	10.783	5.24	16.783	1.52	22.78	1.02
4.800	1.35	10.800	5.24	16.800	1.52	22.80	1.02
4.817	1.35	10.817	5.24	16.817	1.52	22.82	1.02
4.833	1.35	10.833	5.24	16.833	1.52	22.83	1.02
4.850	1.35	10.850	5.24	16.850	1.52	22.85	1.02
4.867	1.35	10.867	5.24	16.867	1.52	22.87	1.02
4.883	1.35	10.883	5.24	16.883	1.52	22.88	1.02
4.900	1.35	10.900	5.24	16.900	1.52	22.90	1.02
4.917	1.35	10.917	5.24	16.917	1.52	22.92	1.02
4.933	1.35	10.933	5.24	16.933	1.52	22.93	1.02
4.950	1.35	10.950	5.24	16.950	1.52	22.95	1.02
4.967	1.35	10.967	5.24	16.967	1.52	22.97	1.02
4.983	1.35	10.983	5.24	16.983	1.52	22.98	1.02
5.000	1.35	11.000	5.25	17.000	1.52	23.00	1.02
5.017	1.35	11.017	8.12	17.017	1.52	23.02	1.02
5.033	1.35	11.033	8.12	17.033	1.52	23.03	1.02
5.050	1.35	11.050	8.12	17.050	1.52	23.05	1.02
5.067	1.35	11.067	8.12	17.067	1.52	23.07	1.02
5.083	1.35	11.083	8.12	17.083	1.52	23.08	1.02
5.100	1.35	11.100	8.12	17.100	1.52	23.10	1.02
5.117	1.35	11.117	8.12	17.117	1.52	23.12	1.02
5.133	1.35	11.133	8.12	17.133	1.52	23.13	1.02
5.150	1.35	11.150	8.12	17.150	1.52	23.15	1.02
5.167	1.35	11.167	8.12	17.167	1.52	23.17	1.02
5.183	1.35	11.183	8.12	17.183	1.52	23.18	1.02
5.200	1.35	11.200	8.12	17.200	1.52	23.20	1.02
5.217	1.35	11.217	8.12	17.217	1.52	23.22	1.02
5.233	1.35	11.233	8.12	17.233	1.52	23.23	1.02
5.250	1.35	11.250	8.12	17.250	1.52	23.25	1.02
5.267	1.35	11.267	8.12	17.267	1.52	23.27	1.02
5.283	1.35	11.283	8.12	17.283	1.52	23.28	1.02
5.300	1.35	11.300	8.12	17.300	1.52	23.30	1.02
5.317	1.35	11.317	8.12	17.317	1.52	23.32	1.02
5.333	1.35	11.333	8.12	17.333	1.52	23.33	1.02
5.350	1.35	11.350	8.12	17.350	1.52	23.35	1.02
5.367	1.35	11.367	8.12	17.367	1.52	23.37	1.02
5.383	1.35	11.383	8.12	17.383	1.52	23.38	1.02
5.400	1.35	11.400	8.12	17.400	1.52	23.40	1.02
5.417	1.35	11.417	8.12	17.417	1.52	23.42	1.02
5.433	1.35	11.433	8.12	17.433	1.52	23.43	1.02
5.450	1.35	11.450	8.12	17.450	1.52	23.45	1.02
5.467	1.35	11.467	8.12	17.467	1.52	23.47	1.02
5.483	1.35	11.483	8.12	17.483	1.52	23.48	1.02
5.500	1.35	11.500	8.12	17.500	1.52	23.50	1.02
5.517	1.35	11.517	25.03	17.517	1.52	23.52	1.02
5.533	1.35	11.533	25.04	17.533	1.52	23.53	1.02
5.550	1.35	11.550	25.04	17.550	1.52	23.55	1.02
5.567	1.35	11.567	25.04	17.567	1.52	23.57	1.02
5.583	1.35	11.583	25.04	17.583	1.52	23.58	1.02
5.600	1.35	11.600	25.04	17.600	1.52	23.60	1.02
5.617	1.35	11.617	25.04	17.617	1.52	23.62	1.02
5.633	1.35	11.633	25.04	17.633	1.52	23.63	1.02
5.650	1.35	11.650	25.04	17.650	1.52	23.65	1.02
5.667	1.35	11.667	25.04	17.667	1.52	23.67	1.02
5.683	1.35	11.683	25.04	17.683	1.52	23.68	1.02
5.700	1.35	11.700	25.04	17.700	1.52	23.70	1.02
5.717	1.35	11.717	25.04	17.717	1.52	23.72	1.02
5.733	1.35	11.733	25.04	17.733	1.52	23.73	1.02
5.750	1.35	11.750	25.04	17.750	1.52	23.75	1.02

5.767	1.35	11.767	103.50	17.767	1.52	23.77	1.02
5.783	1.35	11.783	103.54	17.783	1.52	23.78	1.02
5.800	1.35	11.800	103.54	17.800	1.52	23.80	1.02
5.817	1.35	11.817	103.54	17.817	1.52	23.82	1.02
5.833	1.35	11.833	103.54	17.833	1.52	23.83	1.02
5.850	1.35	11.850	103.54	17.850	1.52	23.85	1.02
5.867	1.35	11.867	103.54	17.867	1.52	23.87	1.02
5.883	1.35	11.883	103.54	17.883	1.52	23.88	1.02
5.900	1.35	11.900	103.54	17.900	1.52	23.90	1.02
5.917	1.35	11.917	103.54	17.917	1.52	23.92	1.02
5.933	1.35	11.933	103.54	17.933	1.52	23.93	1.02
5.950	1.35	11.950	103.54	17.950	1.52	23.95	1.02
5.967	1.35	11.967	103.54	17.967	1.52	23.97	1.02
5.983	1.35	11.983	103.54	17.983	1.52	23.98	1.02
6.000	1.35	12.000	103.54	18.000	1.52	24.00	1.02

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.436 (i)
 TIME TO PEAK (hrs)= 12.367
 RUNOFF VOLUME (mm)= 16.644
 TOTAL RAINFALL (mm)= 84.591
 RUNOFF COEFFICIENT = 0.197

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
 STANDHYD (0204)
 ID= 1 DT= 1.0 min

Area (ha)= 0.96
 Total Imp(%)= 68.00 Dir. Conn.(%)= 47.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.65	0.31
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.93	6.017	1.52	12.017	12.24	18.02	1.52
0.033	0.93	6.033	1.52	12.033	12.18	18.03	1.52
0.050	0.93	6.050	1.52	12.050	12.18	18.05	1.52
0.067	0.93	6.067	1.52	12.067	12.18	18.07	1.52
0.083	0.93	6.083	1.52	12.083	12.18	18.08	1.52
0.100	0.93	6.100	1.52	12.100	12.18	18.10	1.52
0.117	0.93	6.117	1.52	12.117	12.18	18.12	1.52
0.133	0.93	6.133	1.52	12.133	12.18	18.13	1.52
0.150	0.93	6.150	1.52	12.150	12.18	18.15	1.52
0.167	0.93	6.167	1.52	12.167	12.18	18.17	1.52
0.183	0.93	6.183	1.52	12.183	12.18	18.18	1.52
0.200	0.93	6.200	1.52	12.200	12.18	18.20	1.52
0.217	0.93	6.217	1.52	12.217	12.18	18.22	1.52
0.233	0.93	6.233	1.52	12.233	12.18	18.23	1.52
0.250	0.93	6.250	1.52	12.250	12.18	18.25	1.52
0.267	0.93	6.267	1.52	12.267	12.18	18.27	1.52
0.283	0.93	6.283	1.52	12.283	12.18	18.28	1.52
0.300	0.93	6.300	1.52	12.300	12.18	18.30	1.52
0.317	0.93	6.317	1.52	12.317	12.18	18.32	1.52
0.333	0.93	6.333	1.52	12.333	12.18	18.33	1.52
0.350	0.93	6.350	1.52	12.350	12.18	18.35	1.52
0.367	0.93	6.367	1.52	12.367	12.18	18.37	1.52
0.383	0.93	6.383	1.52	12.383	12.18	18.38	1.52
0.400	0.93	6.400	1.52	12.400	12.18	18.40	1.52
0.417	0.93	6.417	1.52	12.417	12.18	18.42	1.52
0.433	0.93	6.433	1.52	12.433	12.18	18.43	1.52
0.450	0.93	6.450	1.52	12.450	12.18	18.45	1.52
0.467	0.93	6.467	1.52	12.467	12.18	18.47	1.52
0.483	0.93	6.483	1.52	12.483	12.18	18.48	1.52
0.500	0.93	6.500	1.52	12.500	12.18	18.50	1.52
0.517	0.93	6.517	1.52	12.517	6.27	18.52	1.52
0.533	0.93	6.533	1.52	12.533	6.26	18.53	1.52
0.550	0.93	6.550	1.52	12.550	6.26	18.55	1.52
0.567	0.93	6.567	1.52	12.567	6.26	18.57	1.52
0.583	0.93	6.583	1.52	12.583	6.26	18.58	1.52
0.600	0.93	6.600	1.52	12.600	6.26	18.60	1.52
0.617	0.93	6.617	1.52	12.617	6.26	18.62	1.52
0.633	0.93	6.633	1.52	12.633	6.26	18.63	1.52
0.650	0.93	6.650	1.52	12.650	6.26	18.65	1.52

0.667	0.93	6.667	1.52	12.667	6.26	18.67	1.52
0.683	0.93	6.683	1.52	12.683	6.26	18.68	1.52
0.700	0.93	6.700	1.52	12.700	6.26	18.70	1.52
0.717	0.93	6.717	1.52	12.717	6.26	18.72	1.52
0.733	0.93	6.733	1.52	12.733	6.26	18.73	1.52
0.750	0.93	6.750	1.52	12.750	6.26	18.75	1.52
0.767	0.93	6.767	1.52	12.767	6.26	18.77	1.52
0.783	0.93	6.783	1.52	12.783	6.26	18.78	1.52
0.800	0.93	6.800	1.52	12.800	6.26	18.80	1.52
0.817	0.93	6.817	1.52	12.817	6.26	18.82	1.52
0.833	0.93	6.833	1.52	12.833	6.26	18.83	1.52
0.850	0.93	6.850	1.52	12.850	6.26	18.85	1.52
0.867	0.93	6.867	1.52	12.867	6.26	18.87	1.52
0.883	0.93	6.883	1.52	12.883	6.26	18.88	1.52
0.900	0.93	6.900	1.52	12.900	6.26	18.90	1.52
0.917	0.93	6.917	1.52	12.917	6.26	18.92	1.52
0.933	0.93	6.933	1.52	12.933	6.26	18.93	1.52
0.950	0.93	6.950	1.52	12.950	6.26	18.95	1.52
0.967	0.93	6.967	1.52	12.967	6.26	18.97	1.52
0.983	0.93	6.983	1.52	12.983	6.26	18.98	1.52
1.000	0.93	7.000	1.52	13.000	6.26	19.00	1.52
1.017	0.93	7.017	1.86	13.017	4.57	19.02	1.52
1.033	0.93	7.033	1.86	13.033	4.57	19.03	1.52
1.050	0.93	7.050	1.86	13.050	4.57	19.05	1.52
1.067	0.93	7.067	1.86	13.067	4.57	19.07	1.52
1.083	0.93	7.083	1.86	13.083	4.57	19.08	1.52
1.100	0.93	7.100	1.86	13.100	4.57	19.10	1.52
1.117	0.93	7.117	1.86	13.117	4.57	19.12	1.52
1.133	0.93	7.133	1.86	13.133	4.57	19.13	1.52
1.150	0.93	7.150	1.86	13.150	4.57	19.15	1.52
1.167	0.93	7.167	1.86	13.167	4.57	19.17	1.52
1.183	0.93	7.183	1.86	13.183	4.57	19.18	1.52
1.200	0.93	7.200	1.86	13.200	4.57	19.20	1.52
1.217	0.93	7.217	1.86	13.217	4.57	19.22	1.52
1.233	0.93	7.233	1.86	13.233	4.57	19.23	1.52
1.250	0.93	7.250	1.86	13.250	4.57	19.25	1.52
1.267	0.93	7.267	1.86	13.267	4.57	19.27	1.52
1.283	0.93	7.283	1.86	13.283	4.57	19.28	1.52
1.300	0.93	7.300	1.86	13.300	4.57	19.30	1.52
1.317	0.93	7.317	1.86	13.317	4.57	19.32	1.52
1.333	0.93	7.333	1.86	13.333	4.57	19.33	1.52
1.350	0.93	7.350	1.86	13.350	4.57	19.35	1.52
1.367	0.93	7.367	1.86	13.367	4.57	19.37	1.52
1.383	0.93	7.383	1.86	13.383	4.57	19.38	1.52
1.400	0.93	7.400	1.86	13.400	4.57	19.40	1.52
1.417	0.93	7.417	1.86	13.417	4.57	19.42	1.52
1.433	0.93	7.433	1.86	13.433	4.57	19.43	1.52
1.450	0.93	7.450	1.86	13.450	4.57	19.45	1.52
1.467	0.93	7.467	1.86	13.467	4.57	19.47	1.52
1.483	0.93	7.483	1.86	13.483	4.57	19.48	1.52
1.500	0.93	7.500	1.86	13.500	4.57	19.50	1.52
1.517	0.93	7.517	1.86	13.517	3.55	19.52	1.52
1.533	0.93	7.533	1.86	13.533	3.55	19.53	1.52
1.550	0.93	7.550	1.86	13.550	3.55	19.55	1.52
1.567	0.93	7.567	1.86	13.567	3.55	19.57	1.52
1.583	0.93	7.583	1.86	13.583	3.55	19.58	1.52
1.600	0.93	7.600	1.86	13.600	3.55	19.60	1.52
1.617	0.93	7.617	1.86	13.617	3.55	19.62	1.52
1.633	0.93	7.633	1.86	13.633	3.55	19.63	1.52
1.650	0.93	7.650	1.86	13.650	3.55	19.65	1.52
1.667	0.93	7.667	1.86	13.667	3.55	19.67	1.52
1.683	0.93	7.683	1.86	13.683	3.55	19.68	1.52
1.700	0.93	7.700	1.86	13.700	3.55	19.70	1.52
1.717	0.93	7.717	1.86	13.717	3.55	19.72	1.52
1.733	0.93	7.733	1.86	13.733	3.55	19.73	1.52
1.750	0.93	7.750	1.86	13.750	3.55	19.75	1.52
1.767	0.93	7.767	1.86	13.767	3.55	19.77	1.52
1.783	0.93	7.783	1.86	13.783	3.55	19.78	1.52
1.800	0.93	7.800	1.86	13.800	3.55	19.80	1.52
1.817	0.93	7.817	1.86	13.817	3.55	19.82	1.52
1.833	0.93	7.833	1.86	13.833	3.55	19.83	1.52
1.850	0.93	7.850	1.86	13.850	3.55	19.85	1.52
1.867	0.93	7.867	1.86	13.867	3.55	19.87	1.52
1.883	0.93	7.883	1.86	13.883	3.55	19.88	1.52
1.900	0.93	7.900	1.86	13.900	3.55	19.90	1.52
1.917	0.93	7.917	1.86	13.917	3.55	19.92	1.52
1.933	0.93	7.933	1.86	13.933	3.55	19.93	1.52
1.950	0.93	7.950	1.86	13.950	3.55	19.95	1.52
1.967	0.93	7.967	1.86	13.967	3.55	19.97	1.52
1.983	0.93	7.983	1.86	13.983	3.55	19.98	1.52
2.000	0.93	8.000	1.86	14.000	3.55	20.00	1.52
2.017	1.10	8.017	2.20	14.017	2.54	20.02	1.02
2.033	1.10	8.033	2.20	14.033	2.54	20.03	1.02
2.050	1.10	8.050	2.20	14.050	2.54	20.05	1.02

2.067	1.10	8.067	2.20	14.067	2.54	20.07	1.02
2.083	1.10	8.083	2.20	14.083	2.54	20.08	1.02
2.100	1.10	8.100	2.20	14.100	2.54	20.10	1.02
2.117	1.10	8.117	2.20	14.117	2.54	20.12	1.02
2.133	1.10	8.133	2.20	14.133	2.54	20.13	1.02
2.150	1.10	8.150	2.20	14.150	2.54	20.15	1.02
2.167	1.10	8.167	2.20	14.167	2.54	20.17	1.02
2.183	1.10	8.183	2.20	14.183	2.54	20.18	1.02
2.200	1.10	8.200	2.20	14.200	2.54	20.20	1.02
2.217	1.10	8.217	2.20	14.217	2.54	20.22	1.02
2.233	1.10	8.233	2.20	14.233	2.54	20.23	1.02
2.250	1.10	8.250	2.20	14.250	2.54	20.25	1.02
2.267	1.10	8.267	2.20	14.267	2.54	20.27	1.02
2.283	1.10	8.283	2.20	14.283	2.54	20.28	1.02
2.300	1.10	8.300	2.20	14.300	2.54	20.30	1.02
2.317	1.10	8.317	2.20	14.317	2.54	20.32	1.02
2.333	1.10	8.333	2.20	14.333	2.54	20.33	1.02
2.350	1.10	8.350	2.20	14.350	2.54	20.35	1.02
2.367	1.10	8.367	2.20	14.367	2.54	20.37	1.02
2.383	1.10	8.383	2.20	14.383	2.54	20.38	1.02
2.400	1.10	8.400	2.20	14.400	2.54	20.40	1.02
2.417	1.10	8.417	2.20	14.417	2.54	20.42	1.02
2.433	1.10	8.433	2.20	14.433	2.54	20.43	1.02
2.450	1.10	8.450	2.20	14.450	2.54	20.45	1.02
2.467	1.10	8.467	2.20	14.467	2.54	20.47	1.02
2.483	1.10	8.483	2.20	14.483	2.54	20.48	1.02
2.500	1.10	8.500	2.20	14.500	2.54	20.50	1.02
2.517	1.10	8.517	2.37	14.517	2.54	20.52	1.02
2.533	1.10	8.533	2.37	14.533	2.54	20.53	1.02
2.550	1.10	8.550	2.37	14.550	2.54	20.55	1.02
2.567	1.10	8.567	2.37	14.567	2.54	20.57	1.02
2.583	1.10	8.583	2.37	14.583	2.54	20.58	1.02
2.600	1.10	8.600	2.37	14.600	2.54	20.60	1.02
2.617	1.10	8.617	2.37	14.617	2.54	20.62	1.02
2.633	1.10	8.633	2.37	14.633	2.54	20.63	1.02
2.650	1.10	8.650	2.37	14.650	2.54	20.65	1.02
2.667	1.10	8.667	2.37	14.667	2.54	20.67	1.02
2.683	1.10	8.683	2.37	14.683	2.54	20.68	1.02
2.700	1.10	8.700	2.37	14.700	2.54	20.70	1.02
2.717	1.10	8.717	2.37	14.717	2.54	20.72	1.02
2.733	1.10	8.733	2.37	14.733	2.54	20.73	1.02
2.750	1.10	8.750	2.37	14.750	2.54	20.75	1.02
2.767	1.10	8.767	2.37	14.767	2.54	20.77	1.02
2.783	1.10	8.783	2.37	14.783	2.54	20.78	1.02
2.800	1.10	8.800	2.37	14.800	2.54	20.80	1.02
2.817	1.10	8.817	2.37	14.817	2.54	20.82	1.02
2.833	1.10	8.833	2.37	14.833	2.54	20.83	1.02
2.850	1.10	8.850	2.37	14.850	2.54	20.85	1.02
2.867	1.10	8.867	2.37	14.867	2.54	20.87	1.02
2.883	1.10	8.883	2.37	14.883	2.54	20.88	1.02
2.900	1.10	8.900	2.37	14.900	2.54	20.90	1.02
2.917	1.10	8.917	2.37	14.917	2.54	20.92	1.02
2.933	1.10	8.933	2.37	14.933	2.54	20.93	1.02
2.950	1.10	8.950	2.37	14.950	2.54	20.95	1.02
2.967	1.10	8.967	2.37	14.967	2.54	20.97	1.02
2.983	1.10	8.983	2.37	14.983	2.54	20.98	1.02
3.000	1.10	9.000	2.37	15.000	2.54	21.00	1.02
3.017	1.10	9.017	2.71	15.017	2.54	21.02	1.02
3.033	1.10	9.033	2.71	15.033	2.54	21.03	1.02
3.050	1.10	9.050	2.71	15.050	2.54	21.05	1.02
3.067	1.10	9.067	2.71	15.067	2.54	21.07	1.02
3.083	1.10	9.083	2.71	15.083	2.54	21.08	1.02
3.100	1.10	9.100	2.71	15.100	2.54	21.10	1.02
3.117	1.10	9.117	2.71	15.117	2.54	21.12	1.02
3.133	1.10	9.133	2.71	15.133	2.54	21.13	1.02
3.150	1.10	9.150	2.71	15.150	2.54	21.15	1.02
3.167	1.10	9.167	2.71	15.167	2.54	21.17	1.02
3.183	1.10	9.183	2.71	15.183	2.54	21.18	1.02
3.200	1.10	9.200	2.71	15.200	2.54	21.20	1.02
3.217	1.10	9.217	2.71	15.217	2.54	21.22	1.02
3.233	1.10	9.233	2.71	15.233	2.54	21.23	1.02
3.250	1.10	9.250	2.71	15.250	2.54	21.25	1.02
3.267	1.10	9.267	2.71	15.267	2.54	21.27	1.02
3.283	1.10	9.283	2.71	15.283	2.54	21.28	1.02
3.300	1.10	9.300	2.71	15.300	2.54	21.30	1.02
3.317	1.10	9.317	2.71	15.317	2.54	21.32	1.02
3.333	1.10	9.333	2.71	15.333	2.54	21.33	1.02
3.350	1.10	9.350	2.71	15.350	2.54	21.35	1.02
3.367	1.10	9.367	2.71	15.367	2.54	21.37	1.02
3.383	1.10	9.383	2.71	15.383	2.54	21.38	1.02
3.400	1.10	9.400	2.71	15.400	2.54	21.40	1.02
3.417	1.10	9.417	2.71	15.417	2.54	21.42	1.02
3.433	1.10	9.433	2.71	15.433	2.54	21.43	1.02
3.450	1.10	9.450	2.71	15.450	2.54	21.45	1.02

3.467	1.10	9.467	2.71	15.467	2.54	21.47	1.02
3.483	1.10	9.483	2.71	15.483	2.54	21.48	1.02
3.500	1.10	9.500	2.71	15.500	2.54	21.50	1.02
3.517	1.10	9.517	3.05	15.517	2.54	21.52	1.02
3.533	1.10	9.533	3.05	15.533	2.54	21.53	1.02
3.550	1.10	9.550	3.05	15.550	2.54	21.55	1.02
3.567	1.10	9.567	3.05	15.567	2.54	21.57	1.02
3.583	1.10	9.583	3.05	15.583	2.54	21.58	1.02
3.600	1.10	9.600	3.05	15.600	2.54	21.60	1.02
3.617	1.10	9.617	3.05	15.617	2.54	21.62	1.02
3.633	1.10	9.633	3.05	15.633	2.54	21.63	1.02
3.650	1.10	9.650	3.05	15.650	2.54	21.65	1.02
3.667	1.10	9.667	3.05	15.667	2.54	21.67	1.02
3.683	1.10	9.683	3.05	15.683	2.54	21.68	1.02
3.700	1.10	9.700	3.05	15.700	2.54	21.70	1.02
3.717	1.10	9.717	3.05	15.717	2.54	21.72	1.02
3.733	1.10	9.733	3.05	15.733	2.54	21.73	1.02
3.750	1.10	9.750	3.05	15.750	2.54	21.75	1.02
3.767	1.10	9.767	3.05	15.767	2.54	21.77	1.02
3.783	1.10	9.783	3.05	15.783	2.54	21.78	1.02
3.800	1.10	9.800	3.05	15.800	2.54	21.80	1.02
3.817	1.10	9.817	3.05	15.817	2.54	21.82	1.02
3.833	1.10	9.833	3.05	15.833	2.54	21.83	1.02
3.850	1.10	9.850	3.05	15.850	2.54	21.85	1.02
3.867	1.10	9.867	3.05	15.867	2.54	21.87	1.02
3.883	1.10	9.883	3.05	15.883	2.54	21.88	1.02
3.900	1.10	9.900	3.05	15.900	2.54	21.90	1.02
3.917	1.10	9.917	3.05	15.917	2.54	21.92	1.02
3.933	1.10	9.933	3.05	15.933	2.54	21.93	1.02
3.950	1.10	9.950	3.05	15.950	2.54	21.95	1.02
3.967	1.10	9.967	3.05	15.967	2.54	21.97	1.02
3.983	1.10	9.983	3.05	15.983	2.54	21.98	1.02
4.000	1.10	10.000	3.05	16.000	2.54	22.00	1.02
4.017	1.35	10.017	3.89	16.017	1.52	22.02	1.02
4.033	1.35	10.033	3.89	16.033	1.52	22.03	1.02
4.050	1.35	10.050	3.89	16.050	1.52	22.05	1.02
4.067	1.35	10.067	3.89	16.067	1.52	22.07	1.02
4.083	1.35	10.083	3.89	16.083	1.52	22.08	1.02
4.100	1.35	10.100	3.89	16.100	1.52	22.10	1.02
4.117	1.35	10.117	3.89	16.117	1.52	22.12	1.02
4.133	1.35	10.133	3.89	16.133	1.52	22.13	1.02
4.150	1.35	10.150	3.89	16.150	1.52	22.15	1.02
4.167	1.35	10.167	3.89	16.167	1.52	22.17	1.02
4.183	1.35	10.183	3.89	16.183	1.52	22.18	1.02
4.200	1.35	10.200	3.89	16.200	1.52	22.20	1.02
4.217	1.35	10.217	3.89	16.217	1.52	22.22	1.02
4.233	1.35	10.233	3.89	16.233	1.52	22.23	1.02
4.250	1.35	10.250	3.89	16.250	1.52	22.25	1.02
4.267	1.35	10.267	3.89	16.267	1.52	22.27	1.02
4.283	1.35	10.283	3.89	16.283	1.52	22.28	1.02
4.300	1.35	10.300	3.89	16.300	1.52	22.30	1.02
4.317	1.35	10.317	3.89	16.317	1.52	22.32	1.02
4.333	1.35	10.333	3.89	16.333	1.52	22.33	1.02
4.350	1.35	10.350	3.89	16.350	1.52	22.35	1.02
4.367	1.35	10.367	3.89	16.367	1.52	22.37	1.02
4.383	1.35	10.383	3.89	16.383	1.52	22.38	1.02
4.400	1.35	10.400	3.89	16.400	1.52	22.40	1.02
4.417	1.35	10.417	3.89	16.417	1.52	22.42	1.02
4.433	1.35	10.433	3.89	16.433	1.52	22.43	1.02
4.450	1.35	10.450	3.89	16.450	1.52	22.45	1.02
4.467	1.35	10.467	3.89	16.467	1.52	22.47	1.02
4.483	1.35	10.483	3.89	16.483	1.52	22.48	1.02
4.500	1.35	10.500	3.89	16.500	1.52	22.50	1.02
4.517	1.35	10.517	5.24	16.517	1.52	22.52	1.02
4.533	1.35	10.533	5.24	16.533	1.52	22.53	1.02
4.550	1.35	10.550	5.24	16.550	1.52	22.55	1.02
4.567	1.35	10.567	5.24	16.567	1.52	22.57	1.02
4.583	1.35	10.583	5.24	16.583	1.52	22.58	1.02
4.600	1.35	10.600	5.24	16.600	1.52	22.60	1.02
4.617	1.35	10.617	5.24	16.617	1.52	22.62	1.02
4.633	1.35	10.633	5.24	16.633	1.52	22.63	1.02
4.650	1.35	10.650	5.24	16.650	1.52	22.65	1.02
4.667	1.35	10.667	5.24	16.667	1.52	22.67	1.02
4.683	1.35	10.683	5.24	16.683	1.52	22.68	1.02
4.700	1.35	10.700	5.24	16.700	1.52	22.70	1.02
4.717	1.35	10.717	5.24	16.717	1.52	22.72	1.02
4.733	1.35	10.733	5.24	16.733	1.52	22.73	1.02
4.750	1.35	10.750	5.24	16.750	1.52	22.75	1.02
4.767	1.35	10.767	5.24	16.767	1.52	22.77	1.02
4.783	1.35	10.783	5.24	16.783	1.52	22.78	1.02
4.800	1.35	10.800	5.24	16.800	1.52	22.80	1.02
4.817	1.35	10.817	5.24	16.817	1.52	22.82	1.02
4.833	1.35	10.833	5.24	16.833	1.52	22.83	1.02
4.850	1.35	10.850	5.24	16.850	1.52	22.85	1.02

4.867	1.35	10.867	5.24	16.867	1.52	22.87	1.02
4.883	1.35	10.883	5.24	16.883	1.52	22.88	1.02
4.900	1.35	10.900	5.24	16.900	1.52	22.90	1.02
4.917	1.35	10.917	5.24	16.917	1.52	22.92	1.02
4.933	1.35	10.933	5.24	16.933	1.52	22.93	1.02
4.950	1.35	10.950	5.24	16.950	1.52	22.95	1.02
4.967	1.35	10.967	5.24	16.967	1.52	22.97	1.02
4.983	1.35	10.983	5.24	16.983	1.52	22.98	1.02
5.000	1.35	11.000	5.25	17.000	1.52	23.00	1.02
5.017	1.35	11.017	8.12	17.017	1.52	23.02	1.02
5.033	1.35	11.033	8.12	17.033	1.52	23.03	1.02
5.050	1.35	11.050	8.12	17.050	1.52	23.05	1.02
5.067	1.35	11.067	8.12	17.067	1.52	23.07	1.02
5.083	1.35	11.083	8.12	17.083	1.52	23.08	1.02
5.100	1.35	11.100	8.12	17.100	1.52	23.10	1.02
5.117	1.35	11.117	8.12	17.117	1.52	23.12	1.02
5.133	1.35	11.133	8.12	17.133	1.52	23.13	1.02
5.150	1.35	11.150	8.12	17.150	1.52	23.15	1.02
5.167	1.35	11.167	8.12	17.167	1.52	23.17	1.02
5.183	1.35	11.183	8.12	17.183	1.52	23.18	1.02
5.200	1.35	11.200	8.12	17.200	1.52	23.20	1.02
5.217	1.35	11.217	8.12	17.217	1.52	23.22	1.02
5.233	1.35	11.233	8.12	17.233	1.52	23.23	1.02
5.250	1.35	11.250	8.12	17.250	1.52	23.25	1.02
5.267	1.35	11.267	8.12	17.267	1.52	23.27	1.02
5.283	1.35	11.283	8.12	17.283	1.52	23.28	1.02
5.300	1.35	11.300	8.12	17.300	1.52	23.30	1.02
5.317	1.35	11.317	8.12	17.317	1.52	23.32	1.02
5.333	1.35	11.333	8.12	17.333	1.52	23.33	1.02
5.350	1.35	11.350	8.12	17.350	1.52	23.35	1.02
5.367	1.35	11.367	8.12	17.367	1.52	23.37	1.02
5.383	1.35	11.383	8.12	17.383	1.52	23.38	1.02
5.400	1.35	11.400	8.12	17.400	1.52	23.40	1.02
5.417	1.35	11.417	8.12	17.417	1.52	23.42	1.02
5.433	1.35	11.433	8.12	17.433	1.52	23.43	1.02
5.450	1.35	11.450	8.12	17.450	1.52	23.45	1.02
5.467	1.35	11.467	8.12	17.467	1.52	23.47	1.02
5.483	1.35	11.483	8.12	17.483	1.52	23.48	1.02
5.500	1.35	11.500	8.12	17.500	1.52	23.50	1.02
5.517	1.35	11.517	25.03	17.517	1.52	23.52	1.02
5.533	1.35	11.533	25.04	17.533	1.52	23.53	1.02
5.550	1.35	11.550	25.04	17.550	1.52	23.55	1.02
5.567	1.35	11.567	25.04	17.567	1.52	23.57	1.02
5.583	1.35	11.583	25.04	17.583	1.52	23.58	1.02
5.600	1.35	11.600	25.04	17.600	1.52	23.60	1.02
5.617	1.35	11.617	25.04	17.617	1.52	23.62	1.02
5.633	1.35	11.633	25.04	17.633	1.52	23.63	1.02
5.650	1.35	11.650	25.04	17.650	1.52	23.65	1.02
5.667	1.35	11.667	25.04	17.667	1.52	23.67	1.02
5.683	1.35	11.683	25.04	17.683	1.52	23.68	1.02
5.700	1.35	11.700	25.04	17.700	1.52	23.70	1.02
5.717	1.35	11.717	25.04	17.717	1.52	23.72	1.02
5.733	1.35	11.733	25.04	17.733	1.52	23.73	1.02
5.750	1.35	11.750	25.04	17.750	1.52	23.75	1.02
5.767	1.35	11.767	103.50	17.767	1.52	23.77	1.02
5.783	1.35	11.783	103.54	17.783	1.52	23.78	1.02
5.800	1.35	11.800	103.54	17.800	1.52	23.80	1.02
5.817	1.35	11.817	103.54	17.817	1.52	23.82	1.02
5.833	1.35	11.833	103.54	17.833	1.52	23.83	1.02
5.850	1.35	11.850	103.54	17.850	1.52	23.85	1.02
5.867	1.35	11.867	103.54	17.867	1.52	23.87	1.02
5.883	1.35	11.883	103.54	17.883	1.52	23.88	1.02
5.900	1.35	11.900	103.54	17.900	1.52	23.90	1.02
5.917	1.35	11.917	103.54	17.917	1.52	23.92	1.02
5.933	1.35	11.933	103.54	17.933	1.52	23.93	1.02
5.950	1.35	11.950	103.54	17.950	1.52	23.95	1.02
5.967	1.35	11.967	103.54	17.967	1.52	23.97	1.02
5.983	1.35	11.983	103.54	17.983	1.52	23.98	1.02
6.000	1.35	12.000	103.54	18.000	1.52	24.00	1.02

Max.Eff.Inten.(mm/hr)= 103.54 75.77
 over (min) 5.00 11.00
 Storage Coeff. (min)= 4.55 (ii) 10.51 (ii)
 Unit Hyd. Tpeak (min)= 5.00 11.00
 Unit Hyd. peak (cms)= 0.24 0.11

TOTALS

PEAK FLOW (cms)= 0.12 0.04 0.160 (iii)
 TIME TO PEAK (hrs)= 12.00 12.08 12.02
 RUNOFF VOLUME (mm)= 82.58 31.35 55.43
 TOTAL RAINFALL (mm)= 84.59 84.59 84.59
 RUNOFF COEFFICIENT = 0.98 0.37 0.66

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:

- CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3					
ID1= 1 (0204):		0.96	0.160	12.02	55.43
+ ID2= 2 (0205):		14.50	0.436	12.37	16.64
=====					
ID = 3 (0017):		15.46	0.472	12.35	23.63

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
3 + 2 = 1					
ID1= 3 (0017):		15.46	0.472	12.35	23.63
+ ID2= 2 (0087):		15.86	0.657	12.32	21.61
=====					
ID = 1 (0017):		31.32	1.127	12.32	25.41

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB STANDHYD (0012)		Area (ha)= 1.18		
ID= 1 DT= 1.0 min		Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00	
=====				
		IMPERVIOUS	PERVIOUS (i)	
Surface Area	(ha)=	0.26	0.92	
Dep. Storage	(mm)=	2.00	4.60	
Average Slope	(%)=	1.00	2.00	
Length	(m)=	88.84	40.00	
Mannings n	=	0.013	0.250	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.93	6.017	1.52	12.017	12.24	18.02	1.52
0.033	0.93	6.033	1.52	12.033	12.18	18.03	1.52
0.050	0.93	6.050	1.52	12.050	12.18	18.05	1.52
0.067	0.93	6.067	1.52	12.067	12.18	18.07	1.52
0.083	0.93	6.083	1.52	12.083	12.18	18.08	1.52
0.100	0.93	6.100	1.52	12.100	12.18	18.10	1.52
0.117	0.93	6.117	1.52	12.117	12.18	18.12	1.52
0.133	0.93	6.133	1.52	12.133	12.18	18.13	1.52
0.150	0.93	6.150	1.52	12.150	12.18	18.15	1.52
0.167	0.93	6.167	1.52	12.167	12.18	18.17	1.52
0.183	0.93	6.183	1.52	12.183	12.18	18.18	1.52
0.200	0.93	6.200	1.52	12.200	12.18	18.20	1.52
0.217	0.93	6.217	1.52	12.217	12.18	18.22	1.52
0.233	0.93	6.233	1.52	12.233	12.18	18.23	1.52
0.250	0.93	6.250	1.52	12.250	12.18	18.25	1.52
0.267	0.93	6.267	1.52	12.267	12.18	18.27	1.52
0.283	0.93	6.283	1.52	12.283	12.18	18.28	1.52
0.300	0.93	6.300	1.52	12.300	12.18	18.30	1.52
0.317	0.93	6.317	1.52	12.317	12.18	18.32	1.52
0.333	0.93	6.333	1.52	12.333	12.18	18.33	1.52
0.350	0.93	6.350	1.52	12.350	12.18	18.35	1.52
0.367	0.93	6.367	1.52	12.367	12.18	18.37	1.52
0.383	0.93	6.383	1.52	12.383	12.18	18.38	1.52
0.400	0.93	6.400	1.52	12.400	12.18	18.40	1.52
0.417	0.93	6.417	1.52	12.417	12.18	18.42	1.52
0.433	0.93	6.433	1.52	12.433	12.18	18.43	1.52
0.450	0.93	6.450	1.52	12.450	12.18	18.45	1.52
0.467	0.93	6.467	1.52	12.467	12.18	18.47	1.52
0.483	0.93	6.483	1.52	12.483	12.18	18.48	1.52
0.500	0.93	6.500	1.52	12.500	12.18	18.50	1.52
0.517	0.93	6.517	1.52	12.517	6.27	18.52	1.52
0.533	0.93	6.533	1.52	12.533	6.26	18.53	1.52
0.550	0.93	6.550	1.52	12.550	6.26	18.55	1.52
0.567	0.93	6.567	1.52	12.567	6.26	18.57	1.52
0.583	0.93	6.583	1.52	12.583	6.26	18.58	1.52
0.600	0.93	6.600	1.52	12.600	6.26	18.60	1.52

0.617	0.93	6.617	1.52	12.617	6.26	18.62	1.52
0.633	0.93	6.633	1.52	12.633	6.26	18.63	1.52
0.650	0.93	6.650	1.52	12.650	6.26	18.65	1.52
0.667	0.93	6.667	1.52	12.667	6.26	18.67	1.52
0.683	0.93	6.683	1.52	12.683	6.26	18.68	1.52
0.700	0.93	6.700	1.52	12.700	6.26	18.70	1.52
0.717	0.93	6.717	1.52	12.717	6.26	18.72	1.52
0.733	0.93	6.733	1.52	12.733	6.26	18.73	1.52
0.750	0.93	6.750	1.52	12.750	6.26	18.75	1.52
0.767	0.93	6.767	1.52	12.767	6.26	18.77	1.52
0.783	0.93	6.783	1.52	12.783	6.26	18.78	1.52
0.800	0.93	6.800	1.52	12.800	6.26	18.80	1.52
0.817	0.93	6.817	1.52	12.817	6.26	18.82	1.52
0.833	0.93	6.833	1.52	12.833	6.26	18.83	1.52
0.850	0.93	6.850	1.52	12.850	6.26	18.85	1.52
0.867	0.93	6.867	1.52	12.867	6.26	18.87	1.52
0.883	0.93	6.883	1.52	12.883	6.26	18.88	1.52
0.900	0.93	6.900	1.52	12.900	6.26	18.90	1.52
0.917	0.93	6.917	1.52	12.917	6.26	18.92	1.52
0.933	0.93	6.933	1.52	12.933	6.26	18.93	1.52
0.950	0.93	6.950	1.52	12.950	6.26	18.95	1.52
0.967	0.93	6.967	1.52	12.967	6.26	18.97	1.52
0.983	0.93	6.983	1.52	12.983	6.26	18.98	1.52
1.000	0.93	7.000	1.52	13.000	6.26	19.00	1.52
1.017	0.93	7.017	1.86	13.017	4.57	19.02	1.52
1.033	0.93	7.033	1.86	13.033	4.57	19.03	1.52
1.050	0.93	7.050	1.86	13.050	4.57	19.05	1.52
1.067	0.93	7.067	1.86	13.067	4.57	19.07	1.52
1.083	0.93	7.083	1.86	13.083	4.57	19.08	1.52
1.100	0.93	7.100	1.86	13.100	4.57	19.10	1.52
1.117	0.93	7.117	1.86	13.117	4.57	19.12	1.52
1.133	0.93	7.133	1.86	13.133	4.57	19.13	1.52
1.150	0.93	7.150	1.86	13.150	4.57	19.15	1.52
1.167	0.93	7.167	1.86	13.167	4.57	19.17	1.52
1.183	0.93	7.183	1.86	13.183	4.57	19.18	1.52
1.200	0.93	7.200	1.86	13.200	4.57	19.20	1.52
1.217	0.93	7.217	1.86	13.217	4.57	19.22	1.52
1.233	0.93	7.233	1.86	13.233	4.57	19.23	1.52
1.250	0.93	7.250	1.86	13.250	4.57	19.25	1.52
1.267	0.93	7.267	1.86	13.267	4.57	19.27	1.52
1.283	0.93	7.283	1.86	13.283	4.57	19.28	1.52
1.300	0.93	7.300	1.86	13.300	4.57	19.30	1.52
1.317	0.93	7.317	1.86	13.317	4.57	19.32	1.52
1.333	0.93	7.333	1.86	13.333	4.57	19.33	1.52
1.350	0.93	7.350	1.86	13.350	4.57	19.35	1.52
1.367	0.93	7.367	1.86	13.367	4.57	19.37	1.52
1.383	0.93	7.383	1.86	13.383	4.57	19.38	1.52
1.400	0.93	7.400	1.86	13.400	4.57	19.40	1.52
1.417	0.93	7.417	1.86	13.417	4.57	19.42	1.52
1.433	0.93	7.433	1.86	13.433	4.57	19.43	1.52
1.450	0.93	7.450	1.86	13.450	4.57	19.45	1.52
1.467	0.93	7.467	1.86	13.467	4.57	19.47	1.52
1.483	0.93	7.483	1.86	13.483	4.57	19.48	1.52
1.500	0.93	7.500	1.86	13.500	4.57	19.50	1.52
1.517	0.93	7.517	1.86	13.517	3.55	19.52	1.52
1.533	0.93	7.533	1.86	13.533	3.55	19.53	1.52
1.550	0.93	7.550	1.86	13.550	3.55	19.55	1.52
1.567	0.93	7.567	1.86	13.567	3.55	19.57	1.52
1.583	0.93	7.583	1.86	13.583	3.55	19.58	1.52
1.600	0.93	7.600	1.86	13.600	3.55	19.60	1.52
1.617	0.93	7.617	1.86	13.617	3.55	19.62	1.52
1.633	0.93	7.633	1.86	13.633	3.55	19.63	1.52
1.650	0.93	7.650	1.86	13.650	3.55	19.65	1.52
1.667	0.93	7.667	1.86	13.667	3.55	19.67	1.52
1.683	0.93	7.683	1.86	13.683	3.55	19.68	1.52
1.700	0.93	7.700	1.86	13.700	3.55	19.70	1.52
1.717	0.93	7.717	1.86	13.717	3.55	19.72	1.52
1.733	0.93	7.733	1.86	13.733	3.55	19.73	1.52
1.750	0.93	7.750	1.86	13.750	3.55	19.75	1.52
1.767	0.93	7.767	1.86	13.767	3.55	19.77	1.52
1.783	0.93	7.783	1.86	13.783	3.55	19.78	1.52
1.800	0.93	7.800	1.86	13.800	3.55	19.80	1.52
1.817	0.93	7.817	1.86	13.817	3.55	19.82	1.52
1.833	0.93	7.833	1.86	13.833	3.55	19.83	1.52
1.850	0.93	7.850	1.86	13.850	3.55	19.85	1.52
1.867	0.93	7.867	1.86	13.867	3.55	19.87	1.52
1.883	0.93	7.883	1.86	13.883	3.55	19.88	1.52
1.900	0.93	7.900	1.86	13.900	3.55	19.90	1.52
1.917	0.93	7.917	1.86	13.917	3.55	19.92	1.52
1.933	0.93	7.933	1.86	13.933	3.55	19.93	1.52
1.950	0.93	7.950	1.86	13.950	3.55	19.95	1.52
1.967	0.93	7.967	1.86	13.967	3.55	19.97	1.52
1.983	0.93	7.983	1.86	13.983	3.55	19.98	1.52
2.000	0.93	8.000	1.86	14.000	3.55	20.00	1.52

2.017	1.10	8.017	2.20	14.017	2.54	20.02	1.02
2.033	1.10	8.033	2.20	14.033	2.54	20.03	1.02
2.050	1.10	8.050	2.20	14.050	2.54	20.05	1.02
2.067	1.10	8.067	2.20	14.067	2.54	20.07	1.02
2.083	1.10	8.083	2.20	14.083	2.54	20.08	1.02
2.100	1.10	8.100	2.20	14.100	2.54	20.10	1.02
2.117	1.10	8.117	2.20	14.117	2.54	20.12	1.02
2.133	1.10	8.133	2.20	14.133	2.54	20.13	1.02
2.150	1.10	8.150	2.20	14.150	2.54	20.15	1.02
2.167	1.10	8.167	2.20	14.167	2.54	20.17	1.02
2.183	1.10	8.183	2.20	14.183	2.54	20.18	1.02
2.200	1.10	8.200	2.20	14.200	2.54	20.20	1.02
2.217	1.10	8.217	2.20	14.217	2.54	20.22	1.02
2.233	1.10	8.233	2.20	14.233	2.54	20.23	1.02
2.250	1.10	8.250	2.20	14.250	2.54	20.25	1.02
2.267	1.10	8.267	2.20	14.267	2.54	20.27	1.02
2.283	1.10	8.283	2.20	14.283	2.54	20.28	1.02
2.300	1.10	8.300	2.20	14.300	2.54	20.30	1.02
2.317	1.10	8.317	2.20	14.317	2.54	20.32	1.02
2.333	1.10	8.333	2.20	14.333	2.54	20.33	1.02
2.350	1.10	8.350	2.20	14.350	2.54	20.35	1.02
2.367	1.10	8.367	2.20	14.367	2.54	20.37	1.02
2.383	1.10	8.383	2.20	14.383	2.54	20.38	1.02
2.400	1.10	8.400	2.20	14.400	2.54	20.40	1.02
2.417	1.10	8.417	2.20	14.417	2.54	20.42	1.02
2.433	1.10	8.433	2.20	14.433	2.54	20.43	1.02
2.450	1.10	8.450	2.20	14.450	2.54	20.45	1.02
2.467	1.10	8.467	2.20	14.467	2.54	20.47	1.02
2.483	1.10	8.483	2.20	14.483	2.54	20.48	1.02
2.500	1.10	8.500	2.20	14.500	2.54	20.50	1.02
2.517	1.10	8.517	2.37	14.517	2.54	20.52	1.02
2.533	1.10	8.533	2.37	14.533	2.54	20.53	1.02
2.550	1.10	8.550	2.37	14.550	2.54	20.55	1.02
2.567	1.10	8.567	2.37	14.567	2.54	20.57	1.02
2.583	1.10	8.583	2.37	14.583	2.54	20.58	1.02
2.600	1.10	8.600	2.37	14.600	2.54	20.60	1.02
2.617	1.10	8.617	2.37	14.617	2.54	20.62	1.02
2.633	1.10	8.633	2.37	14.633	2.54	20.63	1.02
2.650	1.10	8.650	2.37	14.650	2.54	20.65	1.02
2.667	1.10	8.667	2.37	14.667	2.54	20.67	1.02
2.683	1.10	8.683	2.37	14.683	2.54	20.68	1.02
2.700	1.10	8.700	2.37	14.700	2.54	20.70	1.02
2.717	1.10	8.717	2.37	14.717	2.54	20.72	1.02
2.733	1.10	8.733	2.37	14.733	2.54	20.73	1.02
2.750	1.10	8.750	2.37	14.750	2.54	20.75	1.02
2.767	1.10	8.767	2.37	14.767	2.54	20.77	1.02
2.783	1.10	8.783	2.37	14.783	2.54	20.78	1.02
2.800	1.10	8.800	2.37	14.800	2.54	20.80	1.02
2.817	1.10	8.817	2.37	14.817	2.54	20.82	1.02
2.833	1.10	8.833	2.37	14.833	2.54	20.83	1.02
2.850	1.10	8.850	2.37	14.850	2.54	20.85	1.02
2.867	1.10	8.867	2.37	14.867	2.54	20.87	1.02
2.883	1.10	8.883	2.37	14.883	2.54	20.88	1.02
2.900	1.10	8.900	2.37	14.900	2.54	20.90	1.02
2.917	1.10	8.917	2.37	14.917	2.54	20.92	1.02
2.933	1.10	8.933	2.37	14.933	2.54	20.93	1.02
2.950	1.10	8.950	2.37	14.950	2.54	20.95	1.02
2.967	1.10	8.967	2.37	14.967	2.54	20.97	1.02
2.983	1.10	8.983	2.37	14.983	2.54	20.98	1.02
3.000	1.10	9.000	2.37	15.000	2.54	21.00	1.02
3.017	1.10	9.017	2.71	15.017	2.54	21.02	1.02
3.033	1.10	9.033	2.71	15.033	2.54	21.03	1.02
3.050	1.10	9.050	2.71	15.050	2.54	21.05	1.02
3.067	1.10	9.067	2.71	15.067	2.54	21.07	1.02
3.083	1.10	9.083	2.71	15.083	2.54	21.08	1.02
3.100	1.10	9.100	2.71	15.100	2.54	21.10	1.02
3.117	1.10	9.117	2.71	15.117	2.54	21.12	1.02
3.133	1.10	9.133	2.71	15.133	2.54	21.13	1.02
3.150	1.10	9.150	2.71	15.150	2.54	21.15	1.02
3.167	1.10	9.167	2.71	15.167	2.54	21.17	1.02
3.183	1.10	9.183	2.71	15.183	2.54	21.18	1.02
3.200	1.10	9.200	2.71	15.200	2.54	21.20	1.02
3.217	1.10	9.217	2.71	15.217	2.54	21.22	1.02
3.233	1.10	9.233	2.71	15.233	2.54	21.23	1.02
3.250	1.10	9.250	2.71	15.250	2.54	21.25	1.02
3.267	1.10	9.267	2.71	15.267	2.54	21.27	1.02
3.283	1.10	9.283	2.71	15.283	2.54	21.28	1.02
3.300	1.10	9.300	2.71	15.300	2.54	21.30	1.02
3.317	1.10	9.317	2.71	15.317	2.54	21.32	1.02
3.333	1.10	9.333	2.71	15.333	2.54	21.33	1.02
3.350	1.10	9.350	2.71	15.350	2.54	21.35	1.02
3.367	1.10	9.367	2.71	15.367	2.54	21.37	1.02
3.383	1.10	9.383	2.71	15.383	2.54	21.38	1.02
3.400	1.10	9.400	2.71	15.400	2.54	21.40	1.02

3.417	1.10	9.417	2.71	15.417	2.54	21.42	1.02
3.433	1.10	9.433	2.71	15.433	2.54	21.43	1.02
3.450	1.10	9.450	2.71	15.450	2.54	21.45	1.02
3.467	1.10	9.467	2.71	15.467	2.54	21.47	1.02
3.483	1.10	9.483	2.71	15.483	2.54	21.48	1.02
3.500	1.10	9.500	2.71	15.500	2.54	21.50	1.02
3.517	1.10	9.517	3.05	15.517	2.54	21.52	1.02
3.533	1.10	9.533	3.05	15.533	2.54	21.53	1.02
3.550	1.10	9.550	3.05	15.550	2.54	21.55	1.02
3.567	1.10	9.567	3.05	15.567	2.54	21.57	1.02
3.583	1.10	9.583	3.05	15.583	2.54	21.58	1.02
3.600	1.10	9.600	3.05	15.600	2.54	21.60	1.02
3.617	1.10	9.617	3.05	15.617	2.54	21.62	1.02
3.633	1.10	9.633	3.05	15.633	2.54	21.63	1.02
3.650	1.10	9.650	3.05	15.650	2.54	21.65	1.02
3.667	1.10	9.667	3.05	15.667	2.54	21.67	1.02
3.683	1.10	9.683	3.05	15.683	2.54	21.68	1.02
3.700	1.10	9.700	3.05	15.700	2.54	21.70	1.02
3.717	1.10	9.717	3.05	15.717	2.54	21.72	1.02
3.733	1.10	9.733	3.05	15.733	2.54	21.73	1.02
3.750	1.10	9.750	3.05	15.750	2.54	21.75	1.02
3.767	1.10	9.767	3.05	15.767	2.54	21.77	1.02
3.783	1.10	9.783	3.05	15.783	2.54	21.78	1.02
3.800	1.10	9.800	3.05	15.800	2.54	21.80	1.02
3.817	1.10	9.817	3.05	15.817	2.54	21.82	1.02
3.833	1.10	9.833	3.05	15.833	2.54	21.83	1.02
3.850	1.10	9.850	3.05	15.850	2.54	21.85	1.02
3.867	1.10	9.867	3.05	15.867	2.54	21.87	1.02
3.883	1.10	9.883	3.05	15.883	2.54	21.88	1.02
3.900	1.10	9.900	3.05	15.900	2.54	21.90	1.02
3.917	1.10	9.917	3.05	15.917	2.54	21.92	1.02
3.933	1.10	9.933	3.05	15.933	2.54	21.93	1.02
3.950	1.10	9.950	3.05	15.950	2.54	21.95	1.02
3.967	1.10	9.967	3.05	15.967	2.54	21.97	1.02
3.983	1.10	9.983	3.05	15.983	2.54	21.98	1.02
4.000	1.10	10.000	3.05	16.000	2.54	22.00	1.02
4.017	1.35	10.017	3.89	16.017	1.52	22.02	1.02
4.033	1.35	10.033	3.89	16.033	1.52	22.03	1.02
4.050	1.35	10.050	3.89	16.050	1.52	22.05	1.02
4.067	1.35	10.067	3.89	16.067	1.52	22.07	1.02
4.083	1.35	10.083	3.89	16.083	1.52	22.08	1.02
4.100	1.35	10.100	3.89	16.100	1.52	22.10	1.02
4.117	1.35	10.117	3.89	16.117	1.52	22.12	1.02
4.133	1.35	10.133	3.89	16.133	1.52	22.13	1.02
4.150	1.35	10.150	3.89	16.150	1.52	22.15	1.02
4.167	1.35	10.167	3.89	16.167	1.52	22.17	1.02
4.183	1.35	10.183	3.89	16.183	1.52	22.18	1.02
4.200	1.35	10.200	3.89	16.200	1.52	22.20	1.02
4.217	1.35	10.217	3.89	16.217	1.52	22.22	1.02
4.233	1.35	10.233	3.89	16.233	1.52	22.23	1.02
4.250	1.35	10.250	3.89	16.250	1.52	22.25	1.02
4.267	1.35	10.267	3.89	16.267	1.52	22.27	1.02
4.283	1.35	10.283	3.89	16.283	1.52	22.28	1.02
4.300	1.35	10.300	3.89	16.300	1.52	22.30	1.02
4.317	1.35	10.317	3.89	16.317	1.52	22.32	1.02
4.333	1.35	10.333	3.89	16.333	1.52	22.33	1.02
4.350	1.35	10.350	3.89	16.350	1.52	22.35	1.02
4.367	1.35	10.367	3.89	16.367	1.52	22.37	1.02
4.383	1.35	10.383	3.89	16.383	1.52	22.38	1.02
4.400	1.35	10.400	3.89	16.400	1.52	22.40	1.02
4.417	1.35	10.417	3.89	16.417	1.52	22.42	1.02
4.433	1.35	10.433	3.89	16.433	1.52	22.43	1.02
4.450	1.35	10.450	3.89	16.450	1.52	22.45	1.02
4.467	1.35	10.467	3.89	16.467	1.52	22.47	1.02
4.483	1.35	10.483	3.89	16.483	1.52	22.48	1.02
4.500	1.35	10.500	3.89	16.500	1.52	22.50	1.02
4.517	1.35	10.517	5.24	16.517	1.52	22.52	1.02
4.533	1.35	10.533	5.24	16.533	1.52	22.53	1.02
4.550	1.35	10.550	5.24	16.550	1.52	22.55	1.02
4.567	1.35	10.567	5.24	16.567	1.52	22.57	1.02
4.583	1.35	10.583	5.24	16.583	1.52	22.58	1.02
4.600	1.35	10.600	5.24	16.600	1.52	22.60	1.02
4.617	1.35	10.617	5.24	16.617	1.52	22.62	1.02
4.633	1.35	10.633	5.24	16.633	1.52	22.63	1.02
4.650	1.35	10.650	5.24	16.650	1.52	22.65	1.02
4.667	1.35	10.667	5.24	16.667	1.52	22.67	1.02
4.683	1.35	10.683	5.24	16.683	1.52	22.68	1.02
4.700	1.35	10.700	5.24	16.700	1.52	22.70	1.02
4.717	1.35	10.717	5.24	16.717	1.52	22.72	1.02
4.733	1.35	10.733	5.24	16.733	1.52	22.73	1.02
4.750	1.35	10.750	5.24	16.750	1.52	22.75	1.02
4.767	1.35	10.767	5.24	16.767	1.52	22.77	1.02
4.783	1.35	10.783	5.24	16.783	1.52	22.78	1.02
4.800	1.35	10.800	5.24	16.800	1.52	22.80	1.02

4.817	1.35	10.817	5.24	16.817	1.52	22.82	1.02
4.833	1.35	10.833	5.24	16.833	1.52	22.83	1.02
4.850	1.35	10.850	5.24	16.850	1.52	22.85	1.02
4.867	1.35	10.867	5.24	16.867	1.52	22.87	1.02
4.883	1.35	10.883	5.24	16.883	1.52	22.88	1.02
4.900	1.35	10.900	5.24	16.900	1.52	22.90	1.02
4.917	1.35	10.917	5.24	16.917	1.52	22.92	1.02
4.933	1.35	10.933	5.24	16.933	1.52	22.93	1.02
4.950	1.35	10.950	5.24	16.950	1.52	22.95	1.02
4.967	1.35	10.967	5.24	16.967	1.52	22.97	1.02
4.983	1.35	10.983	5.24	16.983	1.52	22.98	1.02
5.000	1.35	11.000	5.25	17.000	1.52	23.00	1.02
5.017	1.35	11.017	8.12	17.017	1.52	23.02	1.02
5.033	1.35	11.033	8.12	17.033	1.52	23.03	1.02
5.050	1.35	11.050	8.12	17.050	1.52	23.05	1.02
5.067	1.35	11.067	8.12	17.067	1.52	23.07	1.02
5.083	1.35	11.083	8.12	17.083	1.52	23.08	1.02
5.100	1.35	11.100	8.12	17.100	1.52	23.10	1.02
5.117	1.35	11.117	8.12	17.117	1.52	23.12	1.02
5.133	1.35	11.133	8.12	17.133	1.52	23.13	1.02
5.150	1.35	11.150	8.12	17.150	1.52	23.15	1.02
5.167	1.35	11.167	8.12	17.167	1.52	23.17	1.02
5.183	1.35	11.183	8.12	17.183	1.52	23.18	1.02
5.200	1.35	11.200	8.12	17.200	1.52	23.20	1.02
5.217	1.35	11.217	8.12	17.217	1.52	23.22	1.02
5.233	1.35	11.233	8.12	17.233	1.52	23.23	1.02
5.250	1.35	11.250	8.12	17.250	1.52	23.25	1.02
5.267	1.35	11.267	8.12	17.267	1.52	23.27	1.02
5.283	1.35	11.283	8.12	17.283	1.52	23.28	1.02
5.300	1.35	11.300	8.12	17.300	1.52	23.30	1.02
5.317	1.35	11.317	8.12	17.317	1.52	23.32	1.02
5.333	1.35	11.333	8.12	17.333	1.52	23.33	1.02
5.350	1.35	11.350	8.12	17.350	1.52	23.35	1.02
5.367	1.35	11.367	8.12	17.367	1.52	23.37	1.02
5.383	1.35	11.383	8.12	17.383	1.52	23.38	1.02
5.400	1.35	11.400	8.12	17.400	1.52	23.40	1.02
5.417	1.35	11.417	8.12	17.417	1.52	23.42	1.02
5.433	1.35	11.433	8.12	17.433	1.52	23.43	1.02
5.450	1.35	11.450	8.12	17.450	1.52	23.45	1.02
5.467	1.35	11.467	8.12	17.467	1.52	23.47	1.02
5.483	1.35	11.483	8.12	17.483	1.52	23.48	1.02
5.500	1.35	11.500	8.12	17.500	1.52	23.50	1.02
5.517	1.35	11.517	25.03	17.517	1.52	23.52	1.02
5.533	1.35	11.533	25.04	17.533	1.52	23.53	1.02
5.550	1.35	11.550	25.04	17.550	1.52	23.55	1.02
5.567	1.35	11.567	25.04	17.567	1.52	23.57	1.02
5.583	1.35	11.583	25.04	17.583	1.52	23.58	1.02
5.600	1.35	11.600	25.04	17.600	1.52	23.60	1.02
5.617	1.35	11.617	25.04	17.617	1.52	23.62	1.02
5.633	1.35	11.633	25.04	17.633	1.52	23.63	1.02
5.650	1.35	11.650	25.04	17.650	1.52	23.65	1.02
5.667	1.35	11.667	25.04	17.667	1.52	23.67	1.02
5.683	1.35	11.683	25.04	17.683	1.52	23.68	1.02
5.700	1.35	11.700	25.04	17.700	1.52	23.70	1.02
5.717	1.35	11.717	25.04	17.717	1.52	23.72	1.02
5.733	1.35	11.733	25.04	17.733	1.52	23.73	1.02
5.750	1.35	11.750	25.04	17.750	1.52	23.75	1.02
5.767	1.35	11.767	103.50	17.767	1.52	23.77	1.02
5.783	1.35	11.783	103.54	17.783	1.52	23.78	1.02
5.800	1.35	11.800	103.54	17.800	1.52	23.80	1.02
5.817	1.35	11.817	103.54	17.817	1.52	23.82	1.02
5.833	1.35	11.833	103.54	17.833	1.52	23.83	1.02
5.850	1.35	11.850	103.54	17.850	1.52	23.85	1.02
5.867	1.35	11.867	103.54	17.867	1.52	23.87	1.02
5.883	1.35	11.883	103.54	17.883	1.52	23.88	1.02
5.900	1.35	11.900	103.54	17.900	1.52	23.90	1.02
5.917	1.35	11.917	103.54	17.917	1.52	23.92	1.02
5.933	1.35	11.933	103.54	17.933	1.52	23.93	1.02
5.950	1.35	11.950	103.54	17.950	1.52	23.95	1.02
5.967	1.35	11.967	103.54	17.967	1.52	23.97	1.02
5.983	1.35	11.983	103.54	17.983	1.52	23.98	1.02
6.000	1.35	12.000	103.54	18.000	1.52	24.00	1.02

Max.Eff.Inten.(mm/hr)= 103.54 30.32
 over (min) 5.00 14.00
 Storage Coeff. (min)= 2.35 (ii) 13.72 (ii)
 Unit Hyd. Tpeak (min)= 5.00 14.00
 Unit Hyd. peak (cms)= 0.35 0.08

TOTALS
 0.107 (iii)
 PEAK FLOW (cms)= 0.04
 TIME TO PEAK (hrs)= 12.13
 RUNOFF VOLUME (mm)= 21.59
 TOTAL RAINFALL (mm)= 84.59
 RUNOFF COEFFICIENT = 0.26 0.41

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
 (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
 (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
 STANDHYD (0203)
 ID= 1 DT= 1.0 min

Area (ha)= 17.16
 Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	7.21	9.95
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	0.93	6.017	1.52	12.017	12.24	18.02	1.52
0.033	0.93	6.033	1.52	12.033	12.18	18.03	1.52
0.050	0.93	6.050	1.52	12.050	12.18	18.05	1.52
0.067	0.93	6.067	1.52	12.067	12.18	18.07	1.52
0.083	0.93	6.083	1.52	12.083	12.18	18.08	1.52
0.100	0.93	6.100	1.52	12.100	12.18	18.10	1.52
0.117	0.93	6.117	1.52	12.117	12.18	18.12	1.52
0.133	0.93	6.133	1.52	12.133	12.18	18.13	1.52
0.150	0.93	6.150	1.52	12.150	12.18	18.15	1.52
0.167	0.93	6.167	1.52	12.167	12.18	18.17	1.52
0.183	0.93	6.183	1.52	12.183	12.18	18.18	1.52
0.200	0.93	6.200	1.52	12.200	12.18	18.20	1.52
0.217	0.93	6.217	1.52	12.217	12.18	18.22	1.52
0.233	0.93	6.233	1.52	12.233	12.18	18.23	1.52
0.250	0.93	6.250	1.52	12.250	12.18	18.25	1.52
0.267	0.93	6.267	1.52	12.267	12.18	18.27	1.52
0.283	0.93	6.283	1.52	12.283	12.18	18.28	1.52
0.300	0.93	6.300	1.52	12.300	12.18	18.30	1.52
0.317	0.93	6.317	1.52	12.317	12.18	18.32	1.52
0.333	0.93	6.333	1.52	12.333	12.18	18.33	1.52
0.350	0.93	6.350	1.52	12.350	12.18	18.35	1.52
0.367	0.93	6.367	1.52	12.367	12.18	18.37	1.52
0.383	0.93	6.383	1.52	12.383	12.18	18.38	1.52
0.400	0.93	6.400	1.52	12.400	12.18	18.40	1.52
0.417	0.93	6.417	1.52	12.417	12.18	18.42	1.52
0.433	0.93	6.433	1.52	12.433	12.18	18.43	1.52
0.450	0.93	6.450	1.52	12.450	12.18	18.45	1.52
0.467	0.93	6.467	1.52	12.467	12.18	18.47	1.52
0.483	0.93	6.483	1.52	12.483	12.18	18.48	1.52
0.500	0.93	6.500	1.52	12.500	12.18	18.50	1.52
0.517	0.93	6.517	1.52	12.517	6.27	18.52	1.52
0.533	0.93	6.533	1.52	12.533	6.26	18.53	1.52
0.550	0.93	6.550	1.52	12.550	6.26	18.55	1.52
0.567	0.93	6.567	1.52	12.567	6.26	18.57	1.52
0.583	0.93	6.583	1.52	12.583	6.26	18.58	1.52
0.600	0.93	6.600	1.52	12.600	6.26	18.60	1.52
0.617	0.93	6.617	1.52	12.617	6.26	18.62	1.52
0.633	0.93	6.633	1.52	12.633	6.26	18.63	1.52
0.650	0.93	6.650	1.52	12.650	6.26	18.65	1.52
0.667	0.93	6.667	1.52	12.667	6.26	18.67	1.52
0.683	0.93	6.683	1.52	12.683	6.26	18.68	1.52
0.700	0.93	6.700	1.52	12.700	6.26	18.70	1.52
0.717	0.93	6.717	1.52	12.717	6.26	18.72	1.52
0.733	0.93	6.733	1.52	12.733	6.26	18.73	1.52
0.750	0.93	6.750	1.52	12.750	6.26	18.75	1.52
0.767	0.93	6.767	1.52	12.767	6.26	18.77	1.52
0.783	0.93	6.783	1.52	12.783	6.26	18.78	1.52
0.800	0.93	6.800	1.52	12.800	6.26	18.80	1.52
0.817	0.93	6.817	1.52	12.817	6.26	18.82	1.52
0.833	0.93	6.833	1.52	12.833	6.26	18.83	1.52
0.850	0.93	6.850	1.52	12.850	6.26	18.85	1.52
0.867	0.93	6.867	1.52	12.867	6.26	18.87	1.52
0.883	0.93	6.883	1.52	12.883	6.26	18.88	1.52
0.900	0.93	6.900	1.52	12.900	6.26	18.90	1.52
0.917	0.93	6.917	1.52	12.917	6.26	18.92	1.52
0.933	0.93	6.933	1.52	12.933	6.26	18.93	1.52
0.950	0.93	6.950	1.52	12.950	6.26	18.95	1.52

0.967	0.93	6.967	1.52	12.967	6.26	18.97	1.52
0.983	0.93	6.983	1.52	12.983	6.26	18.98	1.52
1.000	0.93	7.000	1.52	13.000	6.26	19.00	1.52
1.017	0.93	7.017	1.86	13.017	4.57	19.02	1.52
1.033	0.93	7.033	1.86	13.033	4.57	19.03	1.52
1.050	0.93	7.050	1.86	13.050	4.57	19.05	1.52
1.067	0.93	7.067	1.86	13.067	4.57	19.07	1.52
1.083	0.93	7.083	1.86	13.083	4.57	19.08	1.52
1.100	0.93	7.100	1.86	13.100	4.57	19.10	1.52
1.117	0.93	7.117	1.86	13.117	4.57	19.12	1.52
1.133	0.93	7.133	1.86	13.133	4.57	19.13	1.52
1.150	0.93	7.150	1.86	13.150	4.57	19.15	1.52
1.167	0.93	7.167	1.86	13.167	4.57	19.17	1.52
1.183	0.93	7.183	1.86	13.183	4.57	19.18	1.52
1.200	0.93	7.200	1.86	13.200	4.57	19.20	1.52
1.217	0.93	7.217	1.86	13.217	4.57	19.22	1.52
1.233	0.93	7.233	1.86	13.233	4.57	19.23	1.52
1.250	0.93	7.250	1.86	13.250	4.57	19.25	1.52
1.267	0.93	7.267	1.86	13.267	4.57	19.27	1.52
1.283	0.93	7.283	1.86	13.283	4.57	19.28	1.52
1.300	0.93	7.300	1.86	13.300	4.57	19.30	1.52
1.317	0.93	7.317	1.86	13.317	4.57	19.32	1.52
1.333	0.93	7.333	1.86	13.333	4.57	19.33	1.52
1.350	0.93	7.350	1.86	13.350	4.57	19.35	1.52
1.367	0.93	7.367	1.86	13.367	4.57	19.37	1.52
1.383	0.93	7.383	1.86	13.383	4.57	19.38	1.52
1.400	0.93	7.400	1.86	13.400	4.57	19.40	1.52
1.417	0.93	7.417	1.86	13.417	4.57	19.42	1.52
1.433	0.93	7.433	1.86	13.433	4.57	19.43	1.52
1.450	0.93	7.450	1.86	13.450	4.57	19.45	1.52
1.467	0.93	7.467	1.86	13.467	4.57	19.47	1.52
1.483	0.93	7.483	1.86	13.483	4.57	19.48	1.52
1.500	0.93	7.500	1.86	13.500	4.57	19.50	1.52
1.517	0.93	7.517	1.86	13.517	3.55	19.52	1.52
1.533	0.93	7.533	1.86	13.533	3.55	19.53	1.52
1.550	0.93	7.550	1.86	13.550	3.55	19.55	1.52
1.567	0.93	7.567	1.86	13.567	3.55	19.57	1.52
1.583	0.93	7.583	1.86	13.583	3.55	19.58	1.52
1.600	0.93	7.600	1.86	13.600	3.55	19.60	1.52
1.617	0.93	7.617	1.86	13.617	3.55	19.62	1.52
1.633	0.93	7.633	1.86	13.633	3.55	19.63	1.52
1.650	0.93	7.650	1.86	13.650	3.55	19.65	1.52
1.667	0.93	7.667	1.86	13.667	3.55	19.67	1.52
1.683	0.93	7.683	1.86	13.683	3.55	19.68	1.52
1.700	0.93	7.700	1.86	13.700	3.55	19.70	1.52
1.717	0.93	7.717	1.86	13.717	3.55	19.72	1.52
1.733	0.93	7.733	1.86	13.733	3.55	19.73	1.52
1.750	0.93	7.750	1.86	13.750	3.55	19.75	1.52
1.767	0.93	7.767	1.86	13.767	3.55	19.77	1.52
1.783	0.93	7.783	1.86	13.783	3.55	19.78	1.52
1.800	0.93	7.800	1.86	13.800	3.55	19.80	1.52
1.817	0.93	7.817	1.86	13.817	3.55	19.82	1.52
1.833	0.93	7.833	1.86	13.833	3.55	19.83	1.52
1.850	0.93	7.850	1.86	13.850	3.55	19.85	1.52
1.867	0.93	7.867	1.86	13.867	3.55	19.87	1.52
1.883	0.93	7.883	1.86	13.883	3.55	19.88	1.52
1.900	0.93	7.900	1.86	13.900	3.55	19.90	1.52
1.917	0.93	7.917	1.86	13.917	3.55	19.92	1.52
1.933	0.93	7.933	1.86	13.933	3.55	19.93	1.52
1.950	0.93	7.950	1.86	13.950	3.55	19.95	1.52
1.967	0.93	7.967	1.86	13.967	3.55	19.97	1.52
1.983	0.93	7.983	1.86	13.983	3.55	19.98	1.52
2.000	0.93	8.000	1.86	14.000	3.55	20.00	1.52
2.017	1.10	8.017	2.20	14.017	2.54	20.02	1.02
2.033	1.10	8.033	2.20	14.033	2.54	20.03	1.02
2.050	1.10	8.050	2.20	14.050	2.54	20.05	1.02
2.067	1.10	8.067	2.20	14.067	2.54	20.07	1.02
2.083	1.10	8.083	2.20	14.083	2.54	20.08	1.02
2.100	1.10	8.100	2.20	14.100	2.54	20.10	1.02
2.117	1.10	8.117	2.20	14.117	2.54	20.12	1.02
2.133	1.10	8.133	2.20	14.133	2.54	20.13	1.02
2.150	1.10	8.150	2.20	14.150	2.54	20.15	1.02
2.167	1.10	8.167	2.20	14.167	2.54	20.17	1.02
2.183	1.10	8.183	2.20	14.183	2.54	20.18	1.02
2.200	1.10	8.200	2.20	14.200	2.54	20.20	1.02
2.217	1.10	8.217	2.20	14.217	2.54	20.22	1.02
2.233	1.10	8.233	2.20	14.233	2.54	20.23	1.02
2.250	1.10	8.250	2.20	14.250	2.54	20.25	1.02
2.267	1.10	8.267	2.20	14.267	2.54	20.27	1.02
2.283	1.10	8.283	2.20	14.283	2.54	20.28	1.02
2.300	1.10	8.300	2.20	14.300	2.54	20.30	1.02
2.317	1.10	8.317	2.20	14.317	2.54	20.32	1.02
2.333	1.10	8.333	2.20	14.333	2.54	20.33	1.02
2.350	1.10	8.350	2.20	14.350	2.54	20.35	1.02

2.367	1.10	8.367	2.20	14.367	2.54	20.37	1.02
2.383	1.10	8.383	2.20	14.383	2.54	20.38	1.02
2.400	1.10	8.400	2.20	14.400	2.54	20.40	1.02
2.417	1.10	8.417	2.20	14.417	2.54	20.42	1.02
2.433	1.10	8.433	2.20	14.433	2.54	20.43	1.02
2.450	1.10	8.450	2.20	14.450	2.54	20.45	1.02
2.467	1.10	8.467	2.20	14.467	2.54	20.47	1.02
2.483	1.10	8.483	2.20	14.483	2.54	20.48	1.02
2.500	1.10	8.500	2.20	14.500	2.54	20.50	1.02
2.517	1.10	8.517	2.37	14.517	2.54	20.52	1.02
2.533	1.10	8.533	2.37	14.533	2.54	20.53	1.02
2.550	1.10	8.550	2.37	14.550	2.54	20.55	1.02
2.567	1.10	8.567	2.37	14.567	2.54	20.57	1.02
2.583	1.10	8.583	2.37	14.583	2.54	20.58	1.02
2.600	1.10	8.600	2.37	14.600	2.54	20.60	1.02
2.617	1.10	8.617	2.37	14.617	2.54	20.62	1.02
2.633	1.10	8.633	2.37	14.633	2.54	20.63	1.02
2.650	1.10	8.650	2.37	14.650	2.54	20.65	1.02
2.667	1.10	8.667	2.37	14.667	2.54	20.67	1.02
2.683	1.10	8.683	2.37	14.683	2.54	20.68	1.02
2.700	1.10	8.700	2.37	14.700	2.54	20.70	1.02
2.717	1.10	8.717	2.37	14.717	2.54	20.72	1.02
2.733	1.10	8.733	2.37	14.733	2.54	20.73	1.02
2.750	1.10	8.750	2.37	14.750	2.54	20.75	1.02
2.767	1.10	8.767	2.37	14.767	2.54	20.77	1.02
2.783	1.10	8.783	2.37	14.783	2.54	20.78	1.02
2.800	1.10	8.800	2.37	14.800	2.54	20.80	1.02
2.817	1.10	8.817	2.37	14.817	2.54	20.82	1.02
2.833	1.10	8.833	2.37	14.833	2.54	20.83	1.02
2.850	1.10	8.850	2.37	14.850	2.54	20.85	1.02
2.867	1.10	8.867	2.37	14.867	2.54	20.87	1.02
2.883	1.10	8.883	2.37	14.883	2.54	20.88	1.02
2.900	1.10	8.900	2.37	14.900	2.54	20.90	1.02
2.917	1.10	8.917	2.37	14.917	2.54	20.92	1.02
2.933	1.10	8.933	2.37	14.933	2.54	20.93	1.02
2.950	1.10	8.950	2.37	14.950	2.54	20.95	1.02
2.967	1.10	8.967	2.37	14.967	2.54	20.97	1.02
2.983	1.10	8.983	2.37	14.983	2.54	20.98	1.02
3.000	1.10	9.000	2.37	15.000	2.54	21.00	1.02
3.017	1.10	9.017	2.71	15.017	2.54	21.02	1.02
3.033	1.10	9.033	2.71	15.033	2.54	21.03	1.02
3.050	1.10	9.050	2.71	15.050	2.54	21.05	1.02
3.067	1.10	9.067	2.71	15.067	2.54	21.07	1.02
3.083	1.10	9.083	2.71	15.083	2.54	21.08	1.02
3.100	1.10	9.100	2.71	15.100	2.54	21.10	1.02
3.117	1.10	9.117	2.71	15.117	2.54	21.12	1.02
3.133	1.10	9.133	2.71	15.133	2.54	21.13	1.02
3.150	1.10	9.150	2.71	15.150	2.54	21.15	1.02
3.167	1.10	9.167	2.71	15.167	2.54	21.17	1.02
3.183	1.10	9.183	2.71	15.183	2.54	21.18	1.02
3.200	1.10	9.200	2.71	15.200	2.54	21.20	1.02
3.217	1.10	9.217	2.71	15.217	2.54	21.22	1.02
3.233	1.10	9.233	2.71	15.233	2.54	21.23	1.02
3.250	1.10	9.250	2.71	15.250	2.54	21.25	1.02
3.267	1.10	9.267	2.71	15.267	2.54	21.27	1.02
3.283	1.10	9.283	2.71	15.283	2.54	21.28	1.02
3.300	1.10	9.300	2.71	15.300	2.54	21.30	1.02
3.317	1.10	9.317	2.71	15.317	2.54	21.32	1.02
3.333	1.10	9.333	2.71	15.333	2.54	21.33	1.02
3.350	1.10	9.350	2.71	15.350	2.54	21.35	1.02
3.367	1.10	9.367	2.71	15.367	2.54	21.37	1.02
3.383	1.10	9.383	2.71	15.383	2.54	21.38	1.02
3.400	1.10	9.400	2.71	15.400	2.54	21.40	1.02
3.417	1.10	9.417	2.71	15.417	2.54	21.42	1.02
3.433	1.10	9.433	2.71	15.433	2.54	21.43	1.02
3.450	1.10	9.450	2.71	15.450	2.54	21.45	1.02
3.467	1.10	9.467	2.71	15.467	2.54	21.47	1.02
3.483	1.10	9.483	2.71	15.483	2.54	21.48	1.02
3.500	1.10	9.500	2.71	15.500	2.54	21.50	1.02
3.517	1.10	9.517	3.05	15.517	2.54	21.52	1.02
3.533	1.10	9.533	3.05	15.533	2.54	21.53	1.02
3.550	1.10	9.550	3.05	15.550	2.54	21.55	1.02
3.567	1.10	9.567	3.05	15.567	2.54	21.57	1.02
3.583	1.10	9.583	3.05	15.583	2.54	21.58	1.02
3.600	1.10	9.600	3.05	15.600	2.54	21.60	1.02
3.617	1.10	9.617	3.05	15.617	2.54	21.62	1.02
3.633	1.10	9.633	3.05	15.633	2.54	21.63	1.02
3.650	1.10	9.650	3.05	15.650	2.54	21.65	1.02
3.667	1.10	9.667	3.05	15.667	2.54	21.67	1.02
3.683	1.10	9.683	3.05	15.683	2.54	21.68	1.02
3.700	1.10	9.700	3.05	15.700	2.54	21.70	1.02
3.717	1.10	9.717	3.05	15.717	2.54	21.72	1.02
3.733	1.10	9.733	3.05	15.733	2.54	21.73	1.02
3.750	1.10	9.750	3.05	15.750	2.54	21.75	1.02

3.767	1.10	9.767	3.05	15.767	2.54	21.77	1.02
3.783	1.10	9.783	3.05	15.783	2.54	21.78	1.02
3.800	1.10	9.800	3.05	15.800	2.54	21.80	1.02
3.817	1.10	9.817	3.05	15.817	2.54	21.82	1.02
3.833	1.10	9.833	3.05	15.833	2.54	21.83	1.02
3.850	1.10	9.850	3.05	15.850	2.54	21.85	1.02
3.867	1.10	9.867	3.05	15.867	2.54	21.87	1.02
3.883	1.10	9.883	3.05	15.883	2.54	21.88	1.02
3.900	1.10	9.900	3.05	15.900	2.54	21.90	1.02
3.917	1.10	9.917	3.05	15.917	2.54	21.92	1.02
3.933	1.10	9.933	3.05	15.933	2.54	21.93	1.02
3.950	1.10	9.950	3.05	15.950	2.54	21.95	1.02
3.967	1.10	9.967	3.05	15.967	2.54	21.97	1.02
3.983	1.10	9.983	3.05	15.983	2.54	21.98	1.02
4.000	1.10	10.000	3.05	16.000	2.54	22.00	1.02
4.017	1.35	10.017	3.89	16.017	1.52	22.02	1.02
4.033	1.35	10.033	3.89	16.033	1.52	22.03	1.02
4.050	1.35	10.050	3.89	16.050	1.52	22.05	1.02
4.067	1.35	10.067	3.89	16.067	1.52	22.07	1.02
4.083	1.35	10.083	3.89	16.083	1.52	22.08	1.02
4.100	1.35	10.100	3.89	16.100	1.52	22.10	1.02
4.117	1.35	10.117	3.89	16.117	1.52	22.12	1.02
4.133	1.35	10.133	3.89	16.133	1.52	22.13	1.02
4.150	1.35	10.150	3.89	16.150	1.52	22.15	1.02
4.167	1.35	10.167	3.89	16.167	1.52	22.17	1.02
4.183	1.35	10.183	3.89	16.183	1.52	22.18	1.02
4.200	1.35	10.200	3.89	16.200	1.52	22.20	1.02
4.217	1.35	10.217	3.89	16.217	1.52	22.22	1.02
4.233	1.35	10.233	3.89	16.233	1.52	22.23	1.02
4.250	1.35	10.250	3.89	16.250	1.52	22.25	1.02
4.267	1.35	10.267	3.89	16.267	1.52	22.27	1.02
4.283	1.35	10.283	3.89	16.283	1.52	22.28	1.02
4.300	1.35	10.300	3.89	16.300	1.52	22.30	1.02
4.317	1.35	10.317	3.89	16.317	1.52	22.32	1.02
4.333	1.35	10.333	3.89	16.333	1.52	22.33	1.02
4.350	1.35	10.350	3.89	16.350	1.52	22.35	1.02
4.367	1.35	10.367	3.89	16.367	1.52	22.37	1.02
4.383	1.35	10.383	3.89	16.383	1.52	22.38	1.02
4.400	1.35	10.400	3.89	16.400	1.52	22.40	1.02
4.417	1.35	10.417	3.89	16.417	1.52	22.42	1.02
4.433	1.35	10.433	3.89	16.433	1.52	22.43	1.02
4.450	1.35	10.450	3.89	16.450	1.52	22.45	1.02
4.467	1.35	10.467	3.89	16.467	1.52	22.47	1.02
4.483	1.35	10.483	3.89	16.483	1.52	22.48	1.02
4.500	1.35	10.500	3.89	16.500	1.52	22.50	1.02
4.517	1.35	10.517	5.24	16.517	1.52	22.52	1.02
4.533	1.35	10.533	5.24	16.533	1.52	22.53	1.02
4.550	1.35	10.550	5.24	16.550	1.52	22.55	1.02
4.567	1.35	10.567	5.24	16.567	1.52	22.57	1.02
4.583	1.35	10.583	5.24	16.583	1.52	22.58	1.02
4.600	1.35	10.600	5.24	16.600	1.52	22.60	1.02
4.617	1.35	10.617	5.24	16.617	1.52	22.62	1.02
4.633	1.35	10.633	5.24	16.633	1.52	22.63	1.02
4.650	1.35	10.650	5.24	16.650	1.52	22.65	1.02
4.667	1.35	10.667	5.24	16.667	1.52	22.67	1.02
4.683	1.35	10.683	5.24	16.683	1.52	22.68	1.02
4.700	1.35	10.700	5.24	16.700	1.52	22.70	1.02
4.717	1.35	10.717	5.24	16.717	1.52	22.72	1.02
4.733	1.35	10.733	5.24	16.733	1.52	22.73	1.02
4.750	1.35	10.750	5.24	16.750	1.52	22.75	1.02
4.767	1.35	10.767	5.24	16.767	1.52	22.77	1.02
4.783	1.35	10.783	5.24	16.783	1.52	22.78	1.02
4.800	1.35	10.800	5.24	16.800	1.52	22.80	1.02
4.817	1.35	10.817	5.24	16.817	1.52	22.82	1.02
4.833	1.35	10.833	5.24	16.833	1.52	22.83	1.02
4.850	1.35	10.850	5.24	16.850	1.52	22.85	1.02
4.867	1.35	10.867	5.24	16.867	1.52	22.87	1.02
4.883	1.35	10.883	5.24	16.883	1.52	22.88	1.02
4.900	1.35	10.900	5.24	16.900	1.52	22.90	1.02
4.917	1.35	10.917	5.24	16.917	1.52	22.92	1.02
4.933	1.35	10.933	5.24	16.933	1.52	22.93	1.02
4.950	1.35	10.950	5.24	16.950	1.52	22.95	1.02
4.967	1.35	10.967	5.24	16.967	1.52	22.97	1.02
4.983	1.35	10.983	5.24	16.983	1.52	22.98	1.02
5.000	1.35	11.000	5.25	17.000	1.52	23.00	1.02
5.017	1.35	11.017	8.12	17.017	1.52	23.02	1.02
5.033	1.35	11.033	8.12	17.033	1.52	23.03	1.02
5.050	1.35	11.050	8.12	17.050	1.52	23.05	1.02
5.067	1.35	11.067	8.12	17.067	1.52	23.07	1.02
5.083	1.35	11.083	8.12	17.083	1.52	23.08	1.02
5.100	1.35	11.100	8.12	17.100	1.52	23.10	1.02
5.117	1.35	11.117	8.12	17.117	1.52	23.12	1.02
5.133	1.35	11.133	8.12	17.133	1.52	23.13	1.02
5.150	1.35	11.150	8.12	17.150	1.52	23.15	1.02

5.167	1.35	11.167	8.12	17.167	1.52	23.17	1.02
5.183	1.35	11.183	8.12	17.183	1.52	23.18	1.02
5.200	1.35	11.200	8.12	17.200	1.52	23.20	1.02
5.217	1.35	11.217	8.12	17.217	1.52	23.22	1.02
5.233	1.35	11.233	8.12	17.233	1.52	23.23	1.02
5.250	1.35	11.250	8.12	17.250	1.52	23.25	1.02
5.267	1.35	11.267	8.12	17.267	1.52	23.27	1.02
5.283	1.35	11.283	8.12	17.283	1.52	23.28	1.02
5.300	1.35	11.300	8.12	17.300	1.52	23.30	1.02
5.317	1.35	11.317	8.12	17.317	1.52	23.32	1.02
5.333	1.35	11.333	8.12	17.333	1.52	23.33	1.02
5.350	1.35	11.350	8.12	17.350	1.52	23.35	1.02
5.367	1.35	11.367	8.12	17.367	1.52	23.37	1.02
5.383	1.35	11.383	8.12	17.383	1.52	23.38	1.02
5.400	1.35	11.400	8.12	17.400	1.52	23.40	1.02
5.417	1.35	11.417	8.12	17.417	1.52	23.42	1.02
5.433	1.35	11.433	8.12	17.433	1.52	23.43	1.02
5.450	1.35	11.450	8.12	17.450	1.52	23.45	1.02
5.467	1.35	11.467	8.12	17.467	1.52	23.47	1.02
5.483	1.35	11.483	8.12	17.483	1.52	23.48	1.02
5.500	1.35	11.500	8.12	17.500	1.52	23.50	1.02
5.517	1.35	11.517	25.03	17.517	1.52	23.52	1.02
5.533	1.35	11.533	25.04	17.533	1.52	23.53	1.02
5.550	1.35	11.550	25.04	17.550	1.52	23.55	1.02
5.567	1.35	11.567	25.04	17.567	1.52	23.57	1.02
5.583	1.35	11.583	25.04	17.583	1.52	23.58	1.02
5.600	1.35	11.600	25.04	17.600	1.52	23.60	1.02
5.617	1.35	11.617	25.04	17.617	1.52	23.62	1.02
5.633	1.35	11.633	25.04	17.633	1.52	23.63	1.02
5.650	1.35	11.650	25.04	17.650	1.52	23.65	1.02
5.667	1.35	11.667	25.04	17.667	1.52	23.67	1.02
5.683	1.35	11.683	25.04	17.683	1.52	23.68	1.02
5.700	1.35	11.700	25.04	17.700	1.52	23.70	1.02
5.717	1.35	11.717	25.04	17.717	1.52	23.72	1.02
5.733	1.35	11.733	25.04	17.733	1.52	23.73	1.02
5.750	1.35	11.750	25.04	17.750	1.52	23.75	1.02
5.767	1.35	11.767	103.50	17.767	1.52	23.77	1.02
5.783	1.35	11.783	103.54	17.783	1.52	23.78	1.02
5.800	1.35	11.800	103.54	17.800	1.52	23.80	1.02
5.817	1.35	11.817	103.54	17.817	1.52	23.82	1.02
5.833	1.35	11.833	103.54	17.833	1.52	23.83	1.02
5.850	1.35	11.850	103.54	17.850	1.52	23.85	1.02
5.867	1.35	11.867	103.54	17.867	1.52	23.87	1.02
5.883	1.35	11.883	103.54	17.883	1.52	23.88	1.02
5.900	1.35	11.900	103.54	17.900	1.52	23.90	1.02
5.917	1.35	11.917	103.54	17.917	1.52	23.92	1.02
5.933	1.35	11.933	103.54	17.933	1.52	23.93	1.02
5.950	1.35	11.950	103.54	17.950	1.52	23.95	1.02
5.967	1.35	11.967	103.54	17.967	1.52	23.97	1.02
5.983	1.35	11.983	103.54	17.983	1.52	23.98	1.02
6.000	1.35	12.000	103.54	18.000	1.52	24.00	1.02

Max.Eff.Inten.(mm/hr)= 103.54 43.78
 over (min) 5.00 15.00
 Storage Coeff. (min)= 4.55 (ii) 14.37 (ii)
 Unit Hyd. Tpeak (min)= 5.00 15.00
 Unit Hyd. peak (cms)= 0.24 0.08

TOTALS
 PEAK FLOW (cms)= 1.41 0.66 1.888 (iii)
 TIME TO PEAK (hrs)= 12.00 12.15 12.02
 RUNOFF VOLUME (mm)= 82.58 24.91 42.22
 TOTAL RAINFALL (mm)= 84.59 84.59 84.59
 RUNOFF COEFFICIENT = 0.98 0.29 0.50

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
 (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
 (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)				
1 + 2 = 3				
ID1= 1 (0012):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
+ ID2= 2 (0203):	1.18	0.107	12.02	35.00
	17.16	1.888	12.02	42.22
ID = 3 (0082):	18.34	1.995	12.02	41.76

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)
IN= 2---> OUT= 1
DT= 5.0 min

OVERFLOW IS OFF

OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
0.0000	0.0000	0.0940	0.3600
0.0120	0.2100	0.1210	0.4000
0.0550	0.2600	0.1500	0.4500
0.0620	0.3000	0.3000	0.7210

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0082)	18.340	1.995	12.02	41.76
OUTFLOW: ID= 1 (0002)	18.340	0.160	13.35	30.93

PEAK FLOW REDUCTION [Qout/Qin](%)= 8.04
TIME SHIFT OF PEAK FLOW (min)= 80.00
MAXIMUM STORAGE USED (ha.m.)= 0.4687

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)
1 + 2 = 3

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0017):	31.32	1.127	12.32	25.41
+ ID2= 2 (0002):	18.34	0.160	13.35	30.93
=====				
ID = 3 (0089):	49.66	1.252	12.33	27.45

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:4.4 SCS II 24hr 25yr **

CALIB
NASHYD (0087)
ID= 1 DT= 1.0 min

Area (ha)= 15.86 Curve Number (CN)= 62.0
Ia (mm)= 4.60 # of Linear Res.(N)= 3.00
U.H. Tp(hrs)= 0.40

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.09	6.017	1.78	12.017	14.30	18.02	1.78
0.033	1.09	6.033	1.78	12.033	14.22	18.03	1.78
0.050	1.09	6.050	1.78	12.050	14.22	18.05	1.78
0.067	1.09	6.067	1.78	12.067	14.22	18.07	1.78
0.083	1.09	6.083	1.78	12.083	14.22	18.08	1.78
0.100	1.09	6.100	1.78	12.100	14.22	18.10	1.78
0.117	1.09	6.117	1.78	12.117	14.22	18.12	1.78
0.133	1.09	6.133	1.78	12.133	14.22	18.13	1.78
0.150	1.09	6.150	1.78	12.150	14.22	18.15	1.78
0.167	1.09	6.167	1.78	12.167	14.22	18.17	1.78
0.183	1.09	6.183	1.78	12.183	14.22	18.18	1.78
0.200	1.09	6.200	1.78	12.200	14.22	18.20	1.78
0.217	1.09	6.217	1.78	12.217	14.22	18.22	1.78
0.233	1.09	6.233	1.78	12.233	14.22	18.23	1.78
0.250	1.09	6.250	1.78	12.250	14.22	18.25	1.78
0.267	1.09	6.267	1.78	12.267	14.22	18.27	1.78
0.283	1.09	6.283	1.78	12.283	14.22	18.28	1.78
0.300	1.09	6.300	1.78	12.300	14.22	18.30	1.78
0.317	1.09	6.317	1.78	12.317	14.22	18.32	1.78
0.333	1.09	6.333	1.78	12.333	14.22	18.33	1.78
0.350	1.09	6.350	1.78	12.350	14.22	18.35	1.78
0.367	1.09	6.367	1.78	12.367	14.22	18.37	1.78
0.383	1.09	6.383	1.78	12.383	14.22	18.38	1.78
0.400	1.09	6.400	1.78	12.400	14.22	18.40	1.78
0.417	1.09	6.417	1.78	12.417	14.22	18.42	1.78
0.433	1.09	6.433	1.78	12.433	14.22	18.43	1.78
0.450	1.09	6.450	1.78	12.450	14.22	18.45	1.78
0.467	1.09	6.467	1.78	12.467	14.22	18.47	1.78
0.483	1.09	6.483	1.78	12.483	14.22	18.48	1.78
0.500	1.09	6.500	1.78	12.500	14.22	18.50	1.78
0.517	1.09	6.517	1.78	12.517	7.32	18.52	1.78
0.533	1.09	6.533	1.78	12.533	7.31	18.53	1.78
0.550	1.09	6.550	1.78	12.550	7.31	18.55	1.78
0.567	1.09	6.567	1.78	12.567	7.31	18.57	1.78
0.583	1.09	6.583	1.78	12.583	7.31	18.58	1.78
0.600	1.09	6.600	1.78	12.600	7.31	18.60	1.78

0.617	1.09	6.617	1.78	12.617	7.31	18.62	1.78
0.633	1.09	6.633	1.78	12.633	7.31	18.63	1.78
0.650	1.09	6.650	1.78	12.650	7.31	18.65	1.78
0.667	1.09	6.667	1.78	12.667	7.31	18.67	1.78
0.683	1.09	6.683	1.78	12.683	7.31	18.68	1.78
0.700	1.09	6.700	1.78	12.700	7.31	18.70	1.78
0.717	1.09	6.717	1.78	12.717	7.31	18.72	1.78
0.733	1.09	6.733	1.78	12.733	7.31	18.73	1.78
0.750	1.09	6.750	1.78	12.750	7.31	18.75	1.78
0.767	1.09	6.767	1.78	12.767	7.31	18.77	1.78
0.783	1.09	6.783	1.78	12.783	7.31	18.78	1.78
0.800	1.09	6.800	1.78	12.800	7.31	18.80	1.78
0.817	1.09	6.817	1.78	12.817	7.31	18.82	1.78
0.833	1.09	6.833	1.78	12.833	7.31	18.83	1.78
0.850	1.09	6.850	1.78	12.850	7.31	18.85	1.78
0.867	1.09	6.867	1.78	12.867	7.31	18.87	1.78
0.883	1.09	6.883	1.78	12.883	7.31	18.88	1.78
0.900	1.09	6.900	1.78	12.900	7.31	18.90	1.78
0.917	1.09	6.917	1.78	12.917	7.31	18.92	1.78
0.933	1.09	6.933	1.78	12.933	7.31	18.93	1.78
0.950	1.09	6.950	1.78	12.950	7.31	18.95	1.78
0.967	1.09	6.967	1.78	12.967	7.31	18.97	1.78
0.983	1.09	6.983	1.78	12.983	7.31	18.98	1.78
1.000	1.09	7.000	1.78	13.000	7.31	19.00	1.78
1.017	1.09	7.017	2.17	13.017	5.34	19.02	1.78
1.033	1.09	7.033	2.17	13.033	5.33	19.03	1.78
1.050	1.09	7.050	2.17	13.050	5.33	19.05	1.78
1.067	1.09	7.067	2.17	13.067	5.33	19.07	1.78
1.083	1.09	7.083	2.17	13.083	5.33	19.08	1.78
1.100	1.09	7.100	2.17	13.100	5.33	19.10	1.78
1.117	1.09	7.117	2.17	13.117	5.33	19.12	1.78
1.133	1.09	7.133	2.17	13.133	5.33	19.13	1.78
1.150	1.09	7.150	2.17	13.150	5.33	19.15	1.78
1.167	1.09	7.167	2.17	13.167	5.33	19.17	1.78
1.183	1.09	7.183	2.17	13.183	5.33	19.18	1.78
1.200	1.09	7.200	2.17	13.200	5.33	19.20	1.78
1.217	1.09	7.217	2.17	13.217	5.33	19.22	1.78
1.233	1.09	7.233	2.17	13.233	5.33	19.23	1.78
1.250	1.09	7.250	2.17	13.250	5.33	19.25	1.78
1.267	1.09	7.267	2.17	13.267	5.33	19.27	1.78
1.283	1.09	7.283	2.17	13.283	5.33	19.28	1.78
1.300	1.09	7.300	2.17	13.300	5.33	19.30	1.78
1.317	1.09	7.317	2.17	13.317	5.33	19.32	1.78
1.333	1.09	7.333	2.17	13.333	5.33	19.33	1.78
1.350	1.09	7.350	2.17	13.350	5.33	19.35	1.78
1.367	1.09	7.367	2.17	13.367	5.33	19.37	1.78
1.383	1.09	7.383	2.17	13.383	5.33	19.38	1.78
1.400	1.09	7.400	2.17	13.400	5.33	19.40	1.78
1.417	1.09	7.417	2.17	13.417	5.33	19.42	1.78
1.433	1.09	7.433	2.17	13.433	5.33	19.43	1.78
1.450	1.09	7.450	2.17	13.450	5.33	19.45	1.78
1.467	1.09	7.467	2.17	13.467	5.33	19.47	1.78
1.483	1.09	7.483	2.17	13.483	5.33	19.48	1.78
1.500	1.09	7.500	2.17	13.500	5.33	19.50	1.78
1.517	1.09	7.517	2.17	13.517	4.15	19.52	1.78
1.533	1.09	7.533	2.17	13.533	4.15	19.53	1.78
1.550	1.09	7.550	2.17	13.550	4.15	19.55	1.78
1.567	1.09	7.567	2.17	13.567	4.15	19.57	1.78
1.583	1.09	7.583	2.17	13.583	4.15	19.58	1.78
1.600	1.09	7.600	2.17	13.600	4.15	19.60	1.78
1.617	1.09	7.617	2.17	13.617	4.15	19.62	1.78
1.633	1.09	7.633	2.17	13.633	4.15	19.63	1.78
1.650	1.09	7.650	2.17	13.650	4.15	19.65	1.78
1.667	1.09	7.667	2.17	13.667	4.15	19.67	1.78
1.683	1.09	7.683	2.17	13.683	4.15	19.68	1.78
1.700	1.09	7.700	2.17	13.700	4.15	19.70	1.78
1.717	1.09	7.717	2.17	13.717	4.15	19.72	1.78
1.733	1.09	7.733	2.17	13.733	4.15	19.73	1.78
1.750	1.09	7.750	2.17	13.750	4.15	19.75	1.78
1.767	1.09	7.767	2.17	13.767	4.15	19.77	1.78
1.783	1.09	7.783	2.17	13.783	4.15	19.78	1.78
1.800	1.09	7.800	2.17	13.800	4.15	19.80	1.78
1.817	1.09	7.817	2.17	13.817	4.15	19.82	1.78
1.833	1.09	7.833	2.17	13.833	4.15	19.83	1.78
1.850	1.09	7.850	2.17	13.850	4.15	19.85	1.78
1.867	1.09	7.867	2.17	13.867	4.15	19.87	1.78
1.883	1.09	7.883	2.17	13.883	4.15	19.88	1.78
1.900	1.09	7.900	2.17	13.900	4.15	19.90	1.78
1.917	1.09	7.917	2.17	13.917	4.15	19.92	1.78
1.933	1.09	7.933	2.17	13.933	4.15	19.93	1.78
1.950	1.09	7.950	2.17	13.950	4.15	19.95	1.78
1.967	1.09	7.967	2.17	13.967	4.15	19.97	1.78
1.983	1.09	7.983	2.17	13.983	4.15	19.98	1.78
2.000	1.09	8.000	2.17	14.000	4.15	20.00	1.78

2.017	1.28	8.017	2.57	14.017	2.97	20.02	1.19
2.033	1.28	8.033	2.57	14.033	2.96	20.03	1.19
2.050	1.28	8.050	2.57	14.050	2.96	20.05	1.19
2.067	1.28	8.067	2.57	14.067	2.96	20.07	1.19
2.083	1.28	8.083	2.57	14.083	2.96	20.08	1.19
2.100	1.28	8.100	2.57	14.100	2.96	20.10	1.19
2.117	1.28	8.117	2.57	14.117	2.96	20.12	1.19
2.133	1.28	8.133	2.57	14.133	2.96	20.13	1.19
2.150	1.28	8.150	2.57	14.150	2.96	20.15	1.19
2.167	1.28	8.167	2.57	14.167	2.96	20.17	1.19
2.183	1.28	8.183	2.57	14.183	2.96	20.18	1.19
2.200	1.28	8.200	2.57	14.200	2.96	20.20	1.19
2.217	1.28	8.217	2.57	14.217	2.96	20.22	1.19
2.233	1.28	8.233	2.57	14.233	2.96	20.23	1.19
2.250	1.28	8.250	2.57	14.250	2.96	20.25	1.19
2.267	1.28	8.267	2.57	14.267	2.96	20.27	1.19
2.283	1.28	8.283	2.57	14.283	2.96	20.28	1.19
2.300	1.28	8.300	2.57	14.300	2.96	20.30	1.19
2.317	1.28	8.317	2.57	14.317	2.96	20.32	1.19
2.333	1.28	8.333	2.57	14.333	2.96	20.33	1.19
2.350	1.28	8.350	2.57	14.350	2.96	20.35	1.19
2.367	1.28	8.367	2.57	14.367	2.96	20.37	1.19
2.383	1.28	8.383	2.57	14.383	2.96	20.38	1.19
2.400	1.28	8.400	2.57	14.400	2.96	20.40	1.19
2.417	1.28	8.417	2.57	14.417	2.96	20.42	1.19
2.433	1.28	8.433	2.57	14.433	2.96	20.43	1.19
2.450	1.28	8.450	2.57	14.450	2.96	20.45	1.19
2.467	1.28	8.467	2.57	14.467	2.96	20.47	1.19
2.483	1.28	8.483	2.57	14.483	2.96	20.48	1.19
2.500	1.28	8.500	2.57	14.500	2.96	20.50	1.19
2.517	1.28	8.517	2.77	14.517	2.96	20.52	1.19
2.533	1.28	8.533	2.77	14.533	2.96	20.53	1.19
2.550	1.28	8.550	2.77	14.550	2.96	20.55	1.19
2.567	1.28	8.567	2.77	14.567	2.96	20.57	1.19
2.583	1.28	8.583	2.77	14.583	2.96	20.58	1.19
2.600	1.28	8.600	2.77	14.600	2.96	20.60	1.19
2.617	1.28	8.617	2.77	14.617	2.96	20.62	1.19
2.633	1.28	8.633	2.77	14.633	2.96	20.63	1.19
2.650	1.28	8.650	2.77	14.650	2.96	20.65	1.19
2.667	1.28	8.667	2.77	14.667	2.96	20.67	1.19
2.683	1.28	8.683	2.77	14.683	2.96	20.68	1.19
2.700	1.28	8.700	2.77	14.700	2.96	20.70	1.19
2.717	1.28	8.717	2.77	14.717	2.96	20.72	1.19
2.733	1.28	8.733	2.77	14.733	2.96	20.73	1.19
2.750	1.28	8.750	2.77	14.750	2.96	20.75	1.19
2.767	1.28	8.767	2.77	14.767	2.96	20.77	1.19
2.783	1.28	8.783	2.77	14.783	2.96	20.78	1.19
2.800	1.28	8.800	2.77	14.800	2.96	20.80	1.19
2.817	1.28	8.817	2.77	14.817	2.96	20.82	1.19
2.833	1.28	8.833	2.77	14.833	2.96	20.83	1.19
2.850	1.28	8.850	2.77	14.850	2.96	20.85	1.19
2.867	1.28	8.867	2.77	14.867	2.96	20.87	1.19
2.883	1.28	8.883	2.77	14.883	2.96	20.88	1.19
2.900	1.28	8.900	2.77	14.900	2.96	20.90	1.19
2.917	1.28	8.917	2.77	14.917	2.96	20.92	1.19
2.933	1.28	8.933	2.77	14.933	2.96	20.93	1.19
2.950	1.28	8.950	2.77	14.950	2.96	20.95	1.19
2.967	1.28	8.967	2.77	14.967	2.96	20.97	1.19
2.983	1.28	8.983	2.77	14.983	2.96	20.98	1.19
3.000	1.28	9.000	2.77	15.000	2.96	21.00	1.19
3.017	1.28	9.017	3.16	15.017	2.96	21.02	1.19
3.033	1.28	9.033	3.16	15.033	2.96	21.03	1.19
3.050	1.28	9.050	3.16	15.050	2.96	21.05	1.19
3.067	1.28	9.067	3.16	15.067	2.96	21.07	1.19
3.083	1.28	9.083	3.16	15.083	2.96	21.08	1.19
3.100	1.28	9.100	3.16	15.100	2.96	21.10	1.19
3.117	1.28	9.117	3.16	15.117	2.96	21.12	1.19
3.133	1.28	9.133	3.16	15.133	2.96	21.13	1.19
3.150	1.28	9.150	3.16	15.150	2.96	21.15	1.19
3.167	1.28	9.167	3.16	15.167	2.96	21.17	1.19
3.183	1.28	9.183	3.16	15.183	2.96	21.18	1.19
3.200	1.28	9.200	3.16	15.200	2.96	21.20	1.19
3.217	1.28	9.217	3.16	15.217	2.96	21.22	1.19
3.233	1.28	9.233	3.16	15.233	2.96	21.23	1.19
3.250	1.28	9.250	3.16	15.250	2.96	21.25	1.19
3.267	1.28	9.267	3.16	15.267	2.96	21.27	1.19
3.283	1.28	9.283	3.16	15.283	2.96	21.28	1.19
3.300	1.28	9.300	3.16	15.300	2.96	21.30	1.19
3.317	1.28	9.317	3.16	15.317	2.96	21.32	1.19
3.333	1.28	9.333	3.16	15.333	2.96	21.33	1.19
3.350	1.28	9.350	3.16	15.350	2.96	21.35	1.19
3.367	1.28	9.367	3.16	15.367	2.96	21.37	1.19
3.383	1.28	9.383	3.16	15.383	2.96	21.38	1.19
3.400	1.28	9.400	3.16	15.400	2.96	21.40	1.19

3.417	1.28	9.417	3.16	15.417	2.96	21.42	1.19
3.433	1.28	9.433	3.16	15.433	2.96	21.43	1.19
3.450	1.28	9.450	3.16	15.450	2.96	21.45	1.19
3.467	1.28	9.467	3.16	15.467	2.96	21.47	1.19
3.483	1.28	9.483	3.16	15.483	2.96	21.48	1.19
3.500	1.28	9.500	3.16	15.500	2.96	21.50	1.19
3.517	1.28	9.517	3.56	15.517	2.96	21.52	1.19
3.533	1.28	9.533	3.56	15.533	2.96	21.53	1.19
3.550	1.28	9.550	3.56	15.550	2.96	21.55	1.19
3.567	1.28	9.567	3.56	15.567	2.96	21.57	1.19
3.583	1.28	9.583	3.56	15.583	2.96	21.58	1.19
3.600	1.28	9.600	3.56	15.600	2.96	21.60	1.19
3.617	1.28	9.617	3.56	15.617	2.96	21.62	1.19
3.633	1.28	9.633	3.56	15.633	2.96	21.63	1.19
3.650	1.28	9.650	3.56	15.650	2.96	21.65	1.19
3.667	1.28	9.667	3.56	15.667	2.96	21.67	1.19
3.683	1.28	9.683	3.56	15.683	2.96	21.68	1.19
3.700	1.28	9.700	3.56	15.700	2.96	21.70	1.19
3.717	1.28	9.717	3.56	15.717	2.96	21.72	1.19
3.733	1.28	9.733	3.56	15.733	2.96	21.73	1.19
3.750	1.28	9.750	3.56	15.750	2.96	21.75	1.19
3.767	1.28	9.767	3.56	15.767	2.96	21.77	1.19
3.783	1.28	9.783	3.56	15.783	2.96	21.78	1.19
3.800	1.28	9.800	3.56	15.800	2.96	21.80	1.19
3.817	1.28	9.817	3.56	15.817	2.96	21.82	1.19
3.833	1.28	9.833	3.56	15.833	2.96	21.83	1.19
3.850	1.28	9.850	3.56	15.850	2.96	21.85	1.19
3.867	1.28	9.867	3.56	15.867	2.96	21.87	1.19
3.883	1.28	9.883	3.56	15.883	2.96	21.88	1.19
3.900	1.28	9.900	3.56	15.900	2.96	21.90	1.19
3.917	1.28	9.917	3.56	15.917	2.96	21.92	1.19
3.933	1.28	9.933	3.56	15.933	2.96	21.93	1.19
3.950	1.28	9.950	3.56	15.950	2.96	21.95	1.19
3.967	1.28	9.967	3.56	15.967	2.96	21.97	1.19
3.983	1.28	9.983	3.56	15.983	2.96	21.98	1.19
4.000	1.28	10.000	3.56	16.000	2.96	22.00	1.19
4.017	1.58	10.017	4.54	16.017	1.78	22.02	1.19
4.033	1.58	10.033	4.54	16.033	1.78	22.03	1.19
4.050	1.58	10.050	4.54	16.050	1.78	22.05	1.19
4.067	1.58	10.067	4.54	16.067	1.78	22.07	1.19
4.083	1.58	10.083	4.54	16.083	1.78	22.08	1.19
4.100	1.58	10.100	4.54	16.100	1.78	22.10	1.19
4.117	1.58	10.117	4.54	16.117	1.78	22.12	1.19
4.133	1.58	10.133	4.54	16.133	1.78	22.13	1.19
4.150	1.58	10.150	4.54	16.150	1.78	22.15	1.19
4.167	1.58	10.167	4.54	16.167	1.78	22.17	1.19
4.183	1.58	10.183	4.54	16.183	1.78	22.18	1.19
4.200	1.58	10.200	4.54	16.200	1.78	22.20	1.19
4.217	1.58	10.217	4.54	16.217	1.78	22.22	1.19
4.233	1.58	10.233	4.54	16.233	1.78	22.23	1.19
4.250	1.58	10.250	4.54	16.250	1.78	22.25	1.19
4.267	1.58	10.267	4.54	16.267	1.78	22.27	1.19
4.283	1.58	10.283	4.54	16.283	1.78	22.28	1.19
4.300	1.58	10.300	4.54	16.300	1.78	22.30	1.19
4.317	1.58	10.317	4.54	16.317	1.78	22.32	1.19
4.333	1.58	10.333	4.54	16.333	1.78	22.33	1.19
4.350	1.58	10.350	4.54	16.350	1.78	22.35	1.19
4.367	1.58	10.367	4.54	16.367	1.78	22.37	1.19
4.383	1.58	10.383	4.54	16.383	1.78	22.38	1.19
4.400	1.58	10.400	4.54	16.400	1.78	22.40	1.19
4.417	1.58	10.417	4.54	16.417	1.78	22.42	1.19
4.433	1.58	10.433	4.54	16.433	1.78	22.43	1.19
4.450	1.58	10.450	4.54	16.450	1.78	22.45	1.19
4.467	1.58	10.467	4.54	16.467	1.78	22.47	1.19
4.483	1.58	10.483	4.54	16.483	1.78	22.48	1.19
4.500	1.58	10.500	4.54	16.500	1.78	22.50	1.19
4.517	1.58	10.517	6.12	16.517	1.78	22.52	1.19
4.533	1.58	10.533	6.12	16.533	1.78	22.53	1.19
4.550	1.58	10.550	6.12	16.550	1.78	22.55	1.19
4.567	1.58	10.567	6.12	16.567	1.78	22.57	1.19
4.583	1.58	10.583	6.12	16.583	1.78	22.58	1.19
4.600	1.58	10.600	6.12	16.600	1.78	22.60	1.19
4.617	1.58	10.617	6.12	16.617	1.78	22.62	1.19
4.633	1.58	10.633	6.12	16.633	1.78	22.63	1.19
4.650	1.58	10.650	6.12	16.650	1.78	22.65	1.19
4.667	1.58	10.667	6.12	16.667	1.78	22.67	1.19
4.683	1.58	10.683	6.12	16.683	1.78	22.68	1.19
4.700	1.58	10.700	6.12	16.700	1.78	22.70	1.19
4.717	1.58	10.717	6.12	16.717	1.78	22.72	1.19
4.733	1.58	10.733	6.12	16.733	1.78	22.73	1.19
4.750	1.58	10.750	6.12	16.750	1.78	22.75	1.19
4.767	1.58	10.767	6.12	16.767	1.78	22.77	1.19
4.783	1.58	10.783	6.12	16.783	1.78	22.78	1.19
4.800	1.58	10.800	6.12	16.800	1.78	22.80	1.19

4.817	1.58	10.817	6.12	16.817	1.78	22.82	1.19
4.833	1.58	10.833	6.12	16.833	1.78	22.83	1.19
4.850	1.58	10.850	6.12	16.850	1.78	22.85	1.19
4.867	1.58	10.867	6.12	16.867	1.78	22.87	1.19
4.883	1.58	10.883	6.12	16.883	1.78	22.88	1.19
4.900	1.58	10.900	6.12	16.900	1.78	22.90	1.19
4.917	1.58	10.917	6.12	16.917	1.78	22.92	1.19
4.933	1.58	10.933	6.12	16.933	1.78	22.93	1.19
4.950	1.58	10.950	6.12	16.950	1.78	22.95	1.19
4.967	1.58	10.967	6.12	16.967	1.78	22.97	1.19
4.983	1.58	10.983	6.12	16.983	1.78	22.98	1.19
5.000	1.58	11.000	6.13	17.000	1.78	23.00	1.19
5.017	1.58	11.017	9.48	17.017	1.78	23.02	1.19
5.033	1.58	11.033	9.48	17.033	1.78	23.03	1.19
5.050	1.58	11.050	9.48	17.050	1.78	23.05	1.19
5.067	1.58	11.067	9.48	17.067	1.78	23.07	1.19
5.083	1.58	11.083	9.48	17.083	1.78	23.08	1.19
5.100	1.58	11.100	9.48	17.100	1.78	23.10	1.19
5.117	1.58	11.117	9.48	17.117	1.78	23.12	1.19
5.133	1.58	11.133	9.48	17.133	1.78	23.13	1.19
5.150	1.58	11.150	9.48	17.150	1.78	23.15	1.19
5.167	1.58	11.167	9.48	17.167	1.78	23.17	1.19
5.183	1.58	11.183	9.48	17.183	1.78	23.18	1.19
5.200	1.58	11.200	9.48	17.200	1.78	23.20	1.19
5.217	1.58	11.217	9.48	17.217	1.78	23.22	1.19
5.233	1.58	11.233	9.48	17.233	1.78	23.23	1.19
5.250	1.58	11.250	9.48	17.250	1.78	23.25	1.19
5.267	1.58	11.267	9.48	17.267	1.78	23.27	1.19
5.283	1.58	11.283	9.48	17.283	1.78	23.28	1.19
5.300	1.58	11.300	9.48	17.300	1.78	23.30	1.19
5.317	1.58	11.317	9.48	17.317	1.78	23.32	1.19
5.333	1.58	11.333	9.48	17.333	1.78	23.33	1.19
5.350	1.58	11.350	9.48	17.350	1.78	23.35	1.19
5.367	1.58	11.367	9.48	17.367	1.78	23.37	1.19
5.383	1.58	11.383	9.48	17.383	1.78	23.38	1.19
5.400	1.58	11.400	9.48	17.400	1.78	23.40	1.19
5.417	1.58	11.417	9.48	17.417	1.78	23.42	1.19
5.433	1.58	11.433	9.48	17.433	1.78	23.43	1.19
5.450	1.58	11.450	9.48	17.450	1.78	23.45	1.19
5.467	1.58	11.467	9.48	17.467	1.78	23.47	1.19
5.483	1.58	11.483	9.48	17.483	1.78	23.48	1.19
5.500	1.58	11.500	9.48	17.500	1.78	23.50	1.19
5.517	1.58	11.517	29.23	17.517	1.78	23.52	1.19
5.533	1.58	11.533	29.24	17.533	1.78	23.53	1.19
5.550	1.58	11.550	29.24	17.550	1.78	23.55	1.19
5.567	1.58	11.567	29.24	17.567	1.78	23.57	1.19
5.583	1.58	11.583	29.24	17.583	1.78	23.58	1.19
5.600	1.58	11.600	29.24	17.600	1.78	23.60	1.19
5.617	1.58	11.617	29.24	17.617	1.78	23.62	1.19
5.633	1.58	11.633	29.24	17.633	1.78	23.63	1.19
5.650	1.58	11.650	29.24	17.650	1.78	23.65	1.19
5.667	1.58	11.667	29.24	17.667	1.78	23.67	1.19
5.683	1.58	11.683	29.24	17.683	1.78	23.68	1.19
5.700	1.58	11.700	29.24	17.700	1.78	23.70	1.19
5.717	1.58	11.717	29.24	17.717	1.78	23.72	1.19
5.733	1.58	11.733	29.24	17.733	1.78	23.73	1.19
5.750	1.58	11.750	29.24	17.750	1.78	23.75	1.19
5.767	1.58	11.767	120.86	17.767	1.78	23.77	1.19
5.783	1.58	11.783	120.91	17.783	1.78	23.78	1.19
5.800	1.58	11.800	120.91	17.800	1.78	23.80	1.19
5.817	1.58	11.817	120.91	17.817	1.78	23.82	1.19
5.833	1.58	11.833	120.91	17.833	1.78	23.83	1.19
5.850	1.58	11.850	120.91	17.850	1.78	23.85	1.19
5.867	1.58	11.867	120.91	17.867	1.78	23.87	1.19
5.883	1.58	11.883	120.91	17.883	1.78	23.88	1.19
5.900	1.58	11.900	120.91	17.900	1.78	23.90	1.19
5.917	1.58	11.917	120.91	17.917	1.78	23.92	1.19
5.933	1.58	11.933	120.91	17.933	1.78	23.93	1.19
5.950	1.58	11.950	120.91	17.950	1.78	23.95	1.19
5.967	1.58	11.967	120.91	17.967	1.78	23.97	1.19
5.983	1.58	11.983	120.91	17.983	1.78	23.98	1.19
6.000	1.58	12.000	120.91	18.000	1.78	24.00	1.19

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.865 (i)
TIME TO PEAK (hrs)= 12.317
RUNOFF VOLUME (mm)= 28.452
TOTAL RAINFALL (mm)= 98.781
RUNOFF COEFFICIENT = 0.288

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
NASHYD (0205)
ID= 1 DT= 1.0 min

Area (ha)= 14.50 Curve Number (CN)= 58.0
Ia (mm)= 10.00 # of Linear Res.(N)= 3.00
U.H. Tp(hrs)= 0.44

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.09	6.017	1.78	12.017	14.30	18.02	1.78
0.033	1.09	6.033	1.78	12.033	14.22	18.03	1.78
0.050	1.09	6.050	1.78	12.050	14.22	18.05	1.78
0.067	1.09	6.067	1.78	12.067	14.22	18.07	1.78
0.083	1.09	6.083	1.78	12.083	14.22	18.08	1.78
0.100	1.09	6.100	1.78	12.100	14.22	18.10	1.78
0.117	1.09	6.117	1.78	12.117	14.22	18.12	1.78
0.133	1.09	6.133	1.78	12.133	14.22	18.13	1.78
0.150	1.09	6.150	1.78	12.150	14.22	18.15	1.78
0.167	1.09	6.167	1.78	12.167	14.22	18.17	1.78
0.183	1.09	6.183	1.78	12.183	14.22	18.18	1.78
0.200	1.09	6.200	1.78	12.200	14.22	18.20	1.78
0.217	1.09	6.217	1.78	12.217	14.22	18.22	1.78
0.233	1.09	6.233	1.78	12.233	14.22	18.23	1.78
0.250	1.09	6.250	1.78	12.250	14.22	18.25	1.78
0.267	1.09	6.267	1.78	12.267	14.22	18.27	1.78
0.283	1.09	6.283	1.78	12.283	14.22	18.28	1.78
0.300	1.09	6.300	1.78	12.300	14.22	18.30	1.78
0.317	1.09	6.317	1.78	12.317	14.22	18.32	1.78
0.333	1.09	6.333	1.78	12.333	14.22	18.33	1.78
0.350	1.09	6.350	1.78	12.350	14.22	18.35	1.78
0.367	1.09	6.367	1.78	12.367	14.22	18.37	1.78
0.383	1.09	6.383	1.78	12.383	14.22	18.38	1.78
0.400	1.09	6.400	1.78	12.400	14.22	18.40	1.78
0.417	1.09	6.417	1.78	12.417	14.22	18.42	1.78
0.433	1.09	6.433	1.78	12.433	14.22	18.43	1.78
0.450	1.09	6.450	1.78	12.450	14.22	18.45	1.78
0.467	1.09	6.467	1.78	12.467	14.22	18.47	1.78
0.483	1.09	6.483	1.78	12.483	14.22	18.48	1.78
0.500	1.09	6.500	1.78	12.500	14.22	18.50	1.78
0.517	1.09	6.517	1.78	12.517	7.32	18.52	1.78
0.533	1.09	6.533	1.78	12.533	7.31	18.53	1.78
0.550	1.09	6.550	1.78	12.550	7.31	18.55	1.78
0.567	1.09	6.567	1.78	12.567	7.31	18.57	1.78
0.583	1.09	6.583	1.78	12.583	7.31	18.58	1.78
0.600	1.09	6.600	1.78	12.600	7.31	18.60	1.78
0.617	1.09	6.617	1.78	12.617	7.31	18.62	1.78
0.633	1.09	6.633	1.78	12.633	7.31	18.63	1.78
0.650	1.09	6.650	1.78	12.650	7.31	18.65	1.78
0.667	1.09	6.667	1.78	12.667	7.31	18.67	1.78
0.683	1.09	6.683	1.78	12.683	7.31	18.68	1.78
0.700	1.09	6.700	1.78	12.700	7.31	18.70	1.78
0.717	1.09	6.717	1.78	12.717	7.31	18.72	1.78
0.733	1.09	6.733	1.78	12.733	7.31	18.73	1.78
0.750	1.09	6.750	1.78	12.750	7.31	18.75	1.78
0.767	1.09	6.767	1.78	12.767	7.31	18.77	1.78
0.783	1.09	6.783	1.78	12.783	7.31	18.78	1.78
0.800	1.09	6.800	1.78	12.800	7.31	18.80	1.78
0.817	1.09	6.817	1.78	12.817	7.31	18.82	1.78
0.833	1.09	6.833	1.78	12.833	7.31	18.83	1.78
0.850	1.09	6.850	1.78	12.850	7.31	18.85	1.78
0.867	1.09	6.867	1.78	12.867	7.31	18.87	1.78
0.883	1.09	6.883	1.78	12.883	7.31	18.88	1.78
0.900	1.09	6.900	1.78	12.900	7.31	18.90	1.78
0.917	1.09	6.917	1.78	12.917	7.31	18.92	1.78
0.933	1.09	6.933	1.78	12.933	7.31	18.93	1.78
0.950	1.09	6.950	1.78	12.950	7.31	18.95	1.78
0.967	1.09	6.967	1.78	12.967	7.31	18.97	1.78
0.983	1.09	6.983	1.78	12.983	7.31	18.98	1.78
1.000	1.09	7.000	1.78	13.000	7.31	19.00	1.78
1.017	1.09	7.017	2.17	13.017	5.34	19.02	1.78
1.033	1.09	7.033	2.17	13.033	5.33	19.03	1.78
1.050	1.09	7.050	2.17	13.050	5.33	19.05	1.78
1.067	1.09	7.067	2.17	13.067	5.33	19.07	1.78
1.083	1.09	7.083	2.17	13.083	5.33	19.08	1.78
1.100	1.09	7.100	2.17	13.100	5.33	19.10	1.78
1.117	1.09	7.117	2.17	13.117	5.33	19.12	1.78
1.133	1.09	7.133	2.17	13.133	5.33	19.13	1.78
1.150	1.09	7.150	2.17	13.150	5.33	19.15	1.78
1.167	1.09	7.167	2.17	13.167	5.33	19.17	1.78
1.183	1.09	7.183	2.17	13.183	5.33	19.18	1.78
1.200	1.09	7.200	2.17	13.200	5.33	19.20	1.78

1.217	1.09	7.217	2.17	13.217	5.33	19.22	1.78
1.233	1.09	7.233	2.17	13.233	5.33	19.23	1.78
1.250	1.09	7.250	2.17	13.250	5.33	19.25	1.78
1.267	1.09	7.267	2.17	13.267	5.33	19.27	1.78
1.283	1.09	7.283	2.17	13.283	5.33	19.28	1.78
1.300	1.09	7.300	2.17	13.300	5.33	19.30	1.78
1.317	1.09	7.317	2.17	13.317	5.33	19.32	1.78
1.333	1.09	7.333	2.17	13.333	5.33	19.33	1.78
1.350	1.09	7.350	2.17	13.350	5.33	19.35	1.78
1.367	1.09	7.367	2.17	13.367	5.33	19.37	1.78
1.383	1.09	7.383	2.17	13.383	5.33	19.38	1.78
1.400	1.09	7.400	2.17	13.400	5.33	19.40	1.78
1.417	1.09	7.417	2.17	13.417	5.33	19.42	1.78
1.433	1.09	7.433	2.17	13.433	5.33	19.43	1.78
1.450	1.09	7.450	2.17	13.450	5.33	19.45	1.78
1.467	1.09	7.467	2.17	13.467	5.33	19.47	1.78
1.483	1.09	7.483	2.17	13.483	5.33	19.48	1.78
1.500	1.09	7.500	2.17	13.500	5.33	19.50	1.78
1.517	1.09	7.517	2.17	13.517	4.15	19.52	1.78
1.533	1.09	7.533	2.17	13.533	4.15	19.53	1.78
1.550	1.09	7.550	2.17	13.550	4.15	19.55	1.78
1.567	1.09	7.567	2.17	13.567	4.15	19.57	1.78
1.583	1.09	7.583	2.17	13.583	4.15	19.58	1.78
1.600	1.09	7.600	2.17	13.600	4.15	19.60	1.78
1.617	1.09	7.617	2.17	13.617	4.15	19.62	1.78
1.633	1.09	7.633	2.17	13.633	4.15	19.63	1.78
1.650	1.09	7.650	2.17	13.650	4.15	19.65	1.78
1.667	1.09	7.667	2.17	13.667	4.15	19.67	1.78
1.683	1.09	7.683	2.17	13.683	4.15	19.68	1.78
1.700	1.09	7.700	2.17	13.700	4.15	19.70	1.78
1.717	1.09	7.717	2.17	13.717	4.15	19.72	1.78
1.733	1.09	7.733	2.17	13.733	4.15	19.73	1.78
1.750	1.09	7.750	2.17	13.750	4.15	19.75	1.78
1.767	1.09	7.767	2.17	13.767	4.15	19.77	1.78
1.783	1.09	7.783	2.17	13.783	4.15	19.78	1.78
1.800	1.09	7.800	2.17	13.800	4.15	19.80	1.78
1.817	1.09	7.817	2.17	13.817	4.15	19.82	1.78
1.833	1.09	7.833	2.17	13.833	4.15	19.83	1.78
1.850	1.09	7.850	2.17	13.850	4.15	19.85	1.78
1.867	1.09	7.867	2.17	13.867	4.15	19.87	1.78
1.883	1.09	7.883	2.17	13.883	4.15	19.88	1.78
1.900	1.09	7.900	2.17	13.900	4.15	19.90	1.78
1.917	1.09	7.917	2.17	13.917	4.15	19.92	1.78
1.933	1.09	7.933	2.17	13.933	4.15	19.93	1.78
1.950	1.09	7.950	2.17	13.950	4.15	19.95	1.78
1.967	1.09	7.967	2.17	13.967	4.15	19.97	1.78
1.983	1.09	7.983	2.17	13.983	4.15	19.98	1.78
2.000	1.09	8.000	2.17	14.000	4.15	20.00	1.78
2.017	1.28	8.017	2.57	14.017	2.97	20.02	1.19
2.033	1.28	8.033	2.57	14.033	2.96	20.03	1.19
2.050	1.28	8.050	2.57	14.050	2.96	20.05	1.19
2.067	1.28	8.067	2.57	14.067	2.96	20.07	1.19
2.083	1.28	8.083	2.57	14.083	2.96	20.08	1.19
2.100	1.28	8.100	2.57	14.100	2.96	20.10	1.19
2.117	1.28	8.117	2.57	14.117	2.96	20.12	1.19
2.133	1.28	8.133	2.57	14.133	2.96	20.13	1.19
2.150	1.28	8.150	2.57	14.150	2.96	20.15	1.19
2.167	1.28	8.167	2.57	14.167	2.96	20.17	1.19
2.183	1.28	8.183	2.57	14.183	2.96	20.18	1.19
2.200	1.28	8.200	2.57	14.200	2.96	20.20	1.19
2.217	1.28	8.217	2.57	14.217	2.96	20.22	1.19
2.233	1.28	8.233	2.57	14.233	2.96	20.23	1.19
2.250	1.28	8.250	2.57	14.250	2.96	20.25	1.19
2.267	1.28	8.267	2.57	14.267	2.96	20.27	1.19
2.283	1.28	8.283	2.57	14.283	2.96	20.28	1.19
2.300	1.28	8.300	2.57	14.300	2.96	20.30	1.19
2.317	1.28	8.317	2.57	14.317	2.96	20.32	1.19
2.333	1.28	8.333	2.57	14.333	2.96	20.33	1.19
2.350	1.28	8.350	2.57	14.350	2.96	20.35	1.19
2.367	1.28	8.367	2.57	14.367	2.96	20.37	1.19
2.383	1.28	8.383	2.57	14.383	2.96	20.38	1.19
2.400	1.28	8.400	2.57	14.400	2.96	20.40	1.19
2.417	1.28	8.417	2.57	14.417	2.96	20.42	1.19
2.433	1.28	8.433	2.57	14.433	2.96	20.43	1.19
2.450	1.28	8.450	2.57	14.450	2.96	20.45	1.19
2.467	1.28	8.467	2.57	14.467	2.96	20.47	1.19
2.483	1.28	8.483	2.57	14.483	2.96	20.48	1.19
2.500	1.28	8.500	2.57	14.500	2.96	20.50	1.19
2.517	1.28	8.517	2.77	14.517	2.96	20.52	1.19
2.533	1.28	8.533	2.77	14.533	2.96	20.53	1.19
2.550	1.28	8.550	2.77	14.550	2.96	20.55	1.19
2.567	1.28	8.567	2.77	14.567	2.96	20.57	1.19
2.583	1.28	8.583	2.77	14.583	2.96	20.58	1.19
2.600	1.28	8.600	2.77	14.600	2.96	20.60	1.19

2.617	1.28	8.617	2.77	14.617	2.96	20.62	1.19
2.633	1.28	8.633	2.77	14.633	2.96	20.63	1.19
2.650	1.28	8.650	2.77	14.650	2.96	20.65	1.19
2.667	1.28	8.667	2.77	14.667	2.96	20.67	1.19
2.683	1.28	8.683	2.77	14.683	2.96	20.68	1.19
2.700	1.28	8.700	2.77	14.700	2.96	20.70	1.19
2.717	1.28	8.717	2.77	14.717	2.96	20.72	1.19
2.733	1.28	8.733	2.77	14.733	2.96	20.73	1.19
2.750	1.28	8.750	2.77	14.750	2.96	20.75	1.19
2.767	1.28	8.767	2.77	14.767	2.96	20.77	1.19
2.783	1.28	8.783	2.77	14.783	2.96	20.78	1.19
2.800	1.28	8.800	2.77	14.800	2.96	20.80	1.19
2.817	1.28	8.817	2.77	14.817	2.96	20.82	1.19
2.833	1.28	8.833	2.77	14.833	2.96	20.83	1.19
2.850	1.28	8.850	2.77	14.850	2.96	20.85	1.19
2.867	1.28	8.867	2.77	14.867	2.96	20.87	1.19
2.883	1.28	8.883	2.77	14.883	2.96	20.88	1.19
2.900	1.28	8.900	2.77	14.900	2.96	20.90	1.19
2.917	1.28	8.917	2.77	14.917	2.96	20.92	1.19
2.933	1.28	8.933	2.77	14.933	2.96	20.93	1.19
2.950	1.28	8.950	2.77	14.950	2.96	20.95	1.19
2.967	1.28	8.967	2.77	14.967	2.96	20.97	1.19
2.983	1.28	8.983	2.77	14.983	2.96	20.98	1.19
3.000	1.28	9.000	2.77	15.000	2.96	21.00	1.19
3.017	1.28	9.017	3.16	15.017	2.96	21.02	1.19
3.033	1.28	9.033	3.16	15.033	2.96	21.03	1.19
3.050	1.28	9.050	3.16	15.050	2.96	21.05	1.19
3.067	1.28	9.067	3.16	15.067	2.96	21.07	1.19
3.083	1.28	9.083	3.16	15.083	2.96	21.08	1.19
3.100	1.28	9.100	3.16	15.100	2.96	21.10	1.19
3.117	1.28	9.117	3.16	15.117	2.96	21.12	1.19
3.133	1.28	9.133	3.16	15.133	2.96	21.13	1.19
3.150	1.28	9.150	3.16	15.150	2.96	21.15	1.19
3.167	1.28	9.167	3.16	15.167	2.96	21.17	1.19
3.183	1.28	9.183	3.16	15.183	2.96	21.18	1.19
3.200	1.28	9.200	3.16	15.200	2.96	21.20	1.19
3.217	1.28	9.217	3.16	15.217	2.96	21.22	1.19
3.233	1.28	9.233	3.16	15.233	2.96	21.23	1.19
3.250	1.28	9.250	3.16	15.250	2.96	21.25	1.19
3.267	1.28	9.267	3.16	15.267	2.96	21.27	1.19
3.283	1.28	9.283	3.16	15.283	2.96	21.28	1.19
3.300	1.28	9.300	3.16	15.300	2.96	21.30	1.19
3.317	1.28	9.317	3.16	15.317	2.96	21.32	1.19
3.333	1.28	9.333	3.16	15.333	2.96	21.33	1.19
3.350	1.28	9.350	3.16	15.350	2.96	21.35	1.19
3.367	1.28	9.367	3.16	15.367	2.96	21.37	1.19
3.383	1.28	9.383	3.16	15.383	2.96	21.38	1.19
3.400	1.28	9.400	3.16	15.400	2.96	21.40	1.19
3.417	1.28	9.417	3.16	15.417	2.96	21.42	1.19
3.433	1.28	9.433	3.16	15.433	2.96	21.43	1.19
3.450	1.28	9.450	3.16	15.450	2.96	21.45	1.19
3.467	1.28	9.467	3.16	15.467	2.96	21.47	1.19
3.483	1.28	9.483	3.16	15.483	2.96	21.48	1.19
3.500	1.28	9.500	3.16	15.500	2.96	21.50	1.19
3.517	1.28	9.517	3.56	15.517	2.96	21.52	1.19
3.533	1.28	9.533	3.56	15.533	2.96	21.53	1.19
3.550	1.28	9.550	3.56	15.550	2.96	21.55	1.19
3.567	1.28	9.567	3.56	15.567	2.96	21.57	1.19
3.583	1.28	9.583	3.56	15.583	2.96	21.58	1.19
3.600	1.28	9.600	3.56	15.600	2.96	21.60	1.19
3.617	1.28	9.617	3.56	15.617	2.96	21.62	1.19
3.633	1.28	9.633	3.56	15.633	2.96	21.63	1.19
3.650	1.28	9.650	3.56	15.650	2.96	21.65	1.19
3.667	1.28	9.667	3.56	15.667	2.96	21.67	1.19
3.683	1.28	9.683	3.56	15.683	2.96	21.68	1.19
3.700	1.28	9.700	3.56	15.700	2.96	21.70	1.19
3.717	1.28	9.717	3.56	15.717	2.96	21.72	1.19
3.733	1.28	9.733	3.56	15.733	2.96	21.73	1.19
3.750	1.28	9.750	3.56	15.750	2.96	21.75	1.19
3.767	1.28	9.767	3.56	15.767	2.96	21.77	1.19
3.783	1.28	9.783	3.56	15.783	2.96	21.78	1.19
3.800	1.28	9.800	3.56	15.800	2.96	21.80	1.19
3.817	1.28	9.817	3.56	15.817	2.96	21.82	1.19
3.833	1.28	9.833	3.56	15.833	2.96	21.83	1.19
3.850	1.28	9.850	3.56	15.850	2.96	21.85	1.19
3.867	1.28	9.867	3.56	15.867	2.96	21.87	1.19
3.883	1.28	9.883	3.56	15.883	2.96	21.88	1.19
3.900	1.28	9.900	3.56	15.900	2.96	21.90	1.19
3.917	1.28	9.917	3.56	15.917	2.96	21.92	1.19
3.933	1.28	9.933	3.56	15.933	2.96	21.93	1.19
3.950	1.28	9.950	3.56	15.950	2.96	21.95	1.19
3.967	1.28	9.967	3.56	15.967	2.96	21.97	1.19
3.983	1.28	9.983	3.56	15.983	2.96	21.98	1.19
4.000	1.28	10.000	3.56	16.000	2.96	22.00	1.19

4.017	1.58	10.017	4.54	16.017	1.78	22.02	1.19
4.033	1.58	10.033	4.54	16.033	1.78	22.03	1.19
4.050	1.58	10.050	4.54	16.050	1.78	22.05	1.19
4.067	1.58	10.067	4.54	16.067	1.78	22.07	1.19
4.083	1.58	10.083	4.54	16.083	1.78	22.08	1.19
4.100	1.58	10.100	4.54	16.100	1.78	22.10	1.19
4.117	1.58	10.117	4.54	16.117	1.78	22.12	1.19
4.133	1.58	10.133	4.54	16.133	1.78	22.13	1.19
4.150	1.58	10.150	4.54	16.150	1.78	22.15	1.19
4.167	1.58	10.167	4.54	16.167	1.78	22.17	1.19
4.183	1.58	10.183	4.54	16.183	1.78	22.18	1.19
4.200	1.58	10.200	4.54	16.200	1.78	22.20	1.19
4.217	1.58	10.217	4.54	16.217	1.78	22.22	1.19
4.233	1.58	10.233	4.54	16.233	1.78	22.23	1.19
4.250	1.58	10.250	4.54	16.250	1.78	22.25	1.19
4.267	1.58	10.267	4.54	16.267	1.78	22.27	1.19
4.283	1.58	10.283	4.54	16.283	1.78	22.28	1.19
4.300	1.58	10.300	4.54	16.300	1.78	22.30	1.19
4.317	1.58	10.317	4.54	16.317	1.78	22.32	1.19
4.333	1.58	10.333	4.54	16.333	1.78	22.33	1.19
4.350	1.58	10.350	4.54	16.350	1.78	22.35	1.19
4.367	1.58	10.367	4.54	16.367	1.78	22.37	1.19
4.383	1.58	10.383	4.54	16.383	1.78	22.38	1.19
4.400	1.58	10.400	4.54	16.400	1.78	22.40	1.19
4.417	1.58	10.417	4.54	16.417	1.78	22.42	1.19
4.433	1.58	10.433	4.54	16.433	1.78	22.43	1.19
4.450	1.58	10.450	4.54	16.450	1.78	22.45	1.19
4.467	1.58	10.467	4.54	16.467	1.78	22.47	1.19
4.483	1.58	10.483	4.54	16.483	1.78	22.48	1.19
4.500	1.58	10.500	4.54	16.500	1.78	22.50	1.19
4.517	1.58	10.517	6.12	16.517	1.78	22.52	1.19
4.533	1.58	10.533	6.12	16.533	1.78	22.53	1.19
4.550	1.58	10.550	6.12	16.550	1.78	22.55	1.19
4.567	1.58	10.567	6.12	16.567	1.78	22.57	1.19
4.583	1.58	10.583	6.12	16.583	1.78	22.58	1.19
4.600	1.58	10.600	6.12	16.600	1.78	22.60	1.19
4.617	1.58	10.617	6.12	16.617	1.78	22.62	1.19
4.633	1.58	10.633	6.12	16.633	1.78	22.63	1.19
4.650	1.58	10.650	6.12	16.650	1.78	22.65	1.19
4.667	1.58	10.667	6.12	16.667	1.78	22.67	1.19
4.683	1.58	10.683	6.12	16.683	1.78	22.68	1.19
4.700	1.58	10.700	6.12	16.700	1.78	22.70	1.19
4.717	1.58	10.717	6.12	16.717	1.78	22.72	1.19
4.733	1.58	10.733	6.12	16.733	1.78	22.73	1.19
4.750	1.58	10.750	6.12	16.750	1.78	22.75	1.19
4.767	1.58	10.767	6.12	16.767	1.78	22.77	1.19
4.783	1.58	10.783	6.12	16.783	1.78	22.78	1.19
4.800	1.58	10.800	6.12	16.800	1.78	22.80	1.19
4.817	1.58	10.817	6.12	16.817	1.78	22.82	1.19
4.833	1.58	10.833	6.12	16.833	1.78	22.83	1.19
4.850	1.58	10.850	6.12	16.850	1.78	22.85	1.19
4.867	1.58	10.867	6.12	16.867	1.78	22.87	1.19
4.883	1.58	10.883	6.12	16.883	1.78	22.88	1.19
4.900	1.58	10.900	6.12	16.900	1.78	22.90	1.19
4.917	1.58	10.917	6.12	16.917	1.78	22.92	1.19
4.933	1.58	10.933	6.12	16.933	1.78	22.93	1.19
4.950	1.58	10.950	6.12	16.950	1.78	22.95	1.19
4.967	1.58	10.967	6.12	16.967	1.78	22.97	1.19
4.983	1.58	10.983	6.12	16.983	1.78	22.98	1.19
5.000	1.58	11.000	6.13	17.000	1.78	23.00	1.19
5.017	1.58	11.017	9.48	17.017	1.78	23.02	1.19
5.033	1.58	11.033	9.48	17.033	1.78	23.03	1.19
5.050	1.58	11.050	9.48	17.050	1.78	23.05	1.19
5.067	1.58	11.067	9.48	17.067	1.78	23.07	1.19
5.083	1.58	11.083	9.48	17.083	1.78	23.08	1.19
5.100	1.58	11.100	9.48	17.100	1.78	23.10	1.19
5.117	1.58	11.117	9.48	17.117	1.78	23.12	1.19
5.133	1.58	11.133	9.48	17.133	1.78	23.13	1.19
5.150	1.58	11.150	9.48	17.150	1.78	23.15	1.19
5.167	1.58	11.167	9.48	17.167	1.78	23.17	1.19
5.183	1.58	11.183	9.48	17.183	1.78	23.18	1.19
5.200	1.58	11.200	9.48	17.200	1.78	23.20	1.19
5.217	1.58	11.217	9.48	17.217	1.78	23.22	1.19
5.233	1.58	11.233	9.48	17.233	1.78	23.23	1.19
5.250	1.58	11.250	9.48	17.250	1.78	23.25	1.19
5.267	1.58	11.267	9.48	17.267	1.78	23.27	1.19
5.283	1.58	11.283	9.48	17.283	1.78	23.28	1.19
5.300	1.58	11.300	9.48	17.300	1.78	23.30	1.19
5.317	1.58	11.317	9.48	17.317	1.78	23.32	1.19
5.333	1.58	11.333	9.48	17.333	1.78	23.33	1.19
5.350	1.58	11.350	9.48	17.350	1.78	23.35	1.19
5.367	1.58	11.367	9.48	17.367	1.78	23.37	1.19
5.383	1.58	11.383	9.48	17.383	1.78	23.38	1.19
5.400	1.58	11.400	9.48	17.400	1.78	23.40	1.19

5.417	1.58	11.417	9.48	17.417	1.78	23.42	1.19
5.433	1.58	11.433	9.48	17.433	1.78	23.43	1.19
5.450	1.58	11.450	9.48	17.450	1.78	23.45	1.19
5.467	1.58	11.467	9.48	17.467	1.78	23.47	1.19
5.483	1.58	11.483	9.48	17.483	1.78	23.48	1.19
5.500	1.58	11.500	9.48	17.500	1.78	23.50	1.19
5.517	1.58	11.517	29.23	17.517	1.78	23.52	1.19
5.533	1.58	11.533	29.24	17.533	1.78	23.53	1.19
5.550	1.58	11.550	29.24	17.550	1.78	23.55	1.19
5.567	1.58	11.567	29.24	17.567	1.78	23.57	1.19
5.583	1.58	11.583	29.24	17.583	1.78	23.58	1.19
5.600	1.58	11.600	29.24	17.600	1.78	23.60	1.19
5.617	1.58	11.617	29.24	17.617	1.78	23.62	1.19
5.633	1.58	11.633	29.24	17.633	1.78	23.63	1.19
5.650	1.58	11.650	29.24	17.650	1.78	23.65	1.19
5.667	1.58	11.667	29.24	17.667	1.78	23.67	1.19
5.683	1.58	11.683	29.24	17.683	1.78	23.68	1.19
5.700	1.58	11.700	29.24	17.700	1.78	23.70	1.19
5.717	1.58	11.717	29.24	17.717	1.78	23.72	1.19
5.733	1.58	11.733	29.24	17.733	1.78	23.73	1.19
5.750	1.58	11.750	29.24	17.750	1.78	23.75	1.19
5.767	1.58	11.767	120.86	17.767	1.78	23.77	1.19
5.783	1.58	11.783	120.91	17.783	1.78	23.78	1.19
5.800	1.58	11.800	120.91	17.800	1.78	23.80	1.19
5.817	1.58	11.817	120.91	17.817	1.78	23.82	1.19
5.833	1.58	11.833	120.91	17.833	1.78	23.83	1.19
5.850	1.58	11.850	120.91	17.850	1.78	23.85	1.19
5.867	1.58	11.867	120.91	17.867	1.78	23.87	1.19
5.883	1.58	11.883	120.91	17.883	1.78	23.88	1.19
5.900	1.58	11.900	120.91	17.900	1.78	23.90	1.19
5.917	1.58	11.917	120.91	17.917	1.78	23.92	1.19
5.933	1.58	11.933	120.91	17.933	1.78	23.93	1.19
5.950	1.58	11.950	120.91	17.950	1.78	23.95	1.19
5.967	1.58	11.967	120.91	17.967	1.78	23.97	1.19
5.983	1.58	11.983	120.91	17.983	1.78	23.98	1.19
6.000	1.58	12.000	120.91	18.000	1.78	24.00	1.19

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.594 (i)
TIME TO PEAK (hrs)= 12.367
RUNOFF VOLUME (mm)= 22.588
TOTAL RAINFALL (mm)= 98.781
RUNOFF COEFFICIENT = 0.229

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB	Area (ha)= 0.96	
STANDHYD (0204)	Total Imp(%)= 68.00	Dir. Conn.(%)= 47.00
ID= 1 DT= 1.0 min		

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.65	0.31
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.09	6.017	1.78	12.017	14.30	18.02	1.78
0.033	1.09	6.033	1.78	12.033	14.22	18.03	1.78
0.050	1.09	6.050	1.78	12.050	14.22	18.05	1.78
0.067	1.09	6.067	1.78	12.067	14.22	18.07	1.78
0.083	1.09	6.083	1.78	12.083	14.22	18.08	1.78
0.100	1.09	6.100	1.78	12.100	14.22	18.10	1.78
0.117	1.09	6.117	1.78	12.117	14.22	18.12	1.78
0.133	1.09	6.133	1.78	12.133	14.22	18.13	1.78
0.150	1.09	6.150	1.78	12.150	14.22	18.15	1.78
0.167	1.09	6.167	1.78	12.167	14.22	18.17	1.78
0.183	1.09	6.183	1.78	12.183	14.22	18.18	1.78
0.200	1.09	6.200	1.78	12.200	14.22	18.20	1.78
0.217	1.09	6.217	1.78	12.217	14.22	18.22	1.78
0.233	1.09	6.233	1.78	12.233	14.22	18.23	1.78
0.250	1.09	6.250	1.78	12.250	14.22	18.25	1.78
0.267	1.09	6.267	1.78	12.267	14.22	18.27	1.78
0.283	1.09	6.283	1.78	12.283	14.22	18.28	1.78
0.300	1.09	6.300	1.78	12.300	14.22	18.30	1.78

0.317	1.09	6.317	1.78	12.317	14.22	18.32	1.78
0.333	1.09	6.333	1.78	12.333	14.22	18.33	1.78
0.350	1.09	6.350	1.78	12.350	14.22	18.35	1.78
0.367	1.09	6.367	1.78	12.367	14.22	18.37	1.78
0.383	1.09	6.383	1.78	12.383	14.22	18.38	1.78
0.400	1.09	6.400	1.78	12.400	14.22	18.40	1.78
0.417	1.09	6.417	1.78	12.417	14.22	18.42	1.78
0.433	1.09	6.433	1.78	12.433	14.22	18.43	1.78
0.450	1.09	6.450	1.78	12.450	14.22	18.45	1.78
0.467	1.09	6.467	1.78	12.467	14.22	18.47	1.78
0.483	1.09	6.483	1.78	12.483	14.22	18.48	1.78
0.500	1.09	6.500	1.78	12.500	14.22	18.50	1.78
0.517	1.09	6.517	1.78	12.517	7.32	18.52	1.78
0.533	1.09	6.533	1.78	12.533	7.31	18.53	1.78
0.550	1.09	6.550	1.78	12.550	7.31	18.55	1.78
0.567	1.09	6.567	1.78	12.567	7.31	18.57	1.78
0.583	1.09	6.583	1.78	12.583	7.31	18.58	1.78
0.600	1.09	6.600	1.78	12.600	7.31	18.60	1.78
0.617	1.09	6.617	1.78	12.617	7.31	18.62	1.78
0.633	1.09	6.633	1.78	12.633	7.31	18.63	1.78
0.650	1.09	6.650	1.78	12.650	7.31	18.65	1.78
0.667	1.09	6.667	1.78	12.667	7.31	18.67	1.78
0.683	1.09	6.683	1.78	12.683	7.31	18.68	1.78
0.700	1.09	6.700	1.78	12.700	7.31	18.70	1.78
0.717	1.09	6.717	1.78	12.717	7.31	18.72	1.78
0.733	1.09	6.733	1.78	12.733	7.31	18.73	1.78
0.750	1.09	6.750	1.78	12.750	7.31	18.75	1.78
0.767	1.09	6.767	1.78	12.767	7.31	18.77	1.78
0.783	1.09	6.783	1.78	12.783	7.31	18.78	1.78
0.800	1.09	6.800	1.78	12.800	7.31	18.80	1.78
0.817	1.09	6.817	1.78	12.817	7.31	18.82	1.78
0.833	1.09	6.833	1.78	12.833	7.31	18.83	1.78
0.850	1.09	6.850	1.78	12.850	7.31	18.85	1.78
0.867	1.09	6.867	1.78	12.867	7.31	18.87	1.78
0.883	1.09	6.883	1.78	12.883	7.31	18.88	1.78
0.900	1.09	6.900	1.78	12.900	7.31	18.90	1.78
0.917	1.09	6.917	1.78	12.917	7.31	18.92	1.78
0.933	1.09	6.933	1.78	12.933	7.31	18.93	1.78
0.950	1.09	6.950	1.78	12.950	7.31	18.95	1.78
0.967	1.09	6.967	1.78	12.967	7.31	18.97	1.78
0.983	1.09	6.983	1.78	12.983	7.31	18.98	1.78
1.000	1.09	7.000	1.78	13.000	7.31	19.00	1.78
1.017	1.09	7.017	2.17	13.017	5.34	19.02	1.78
1.033	1.09	7.033	2.17	13.033	5.33	19.03	1.78
1.050	1.09	7.050	2.17	13.050	5.33	19.05	1.78
1.067	1.09	7.067	2.17	13.067	5.33	19.07	1.78
1.083	1.09	7.083	2.17	13.083	5.33	19.08	1.78
1.100	1.09	7.100	2.17	13.100	5.33	19.10	1.78
1.117	1.09	7.117	2.17	13.117	5.33	19.12	1.78
1.133	1.09	7.133	2.17	13.133	5.33	19.13	1.78
1.150	1.09	7.150	2.17	13.150	5.33	19.15	1.78
1.167	1.09	7.167	2.17	13.167	5.33	19.17	1.78
1.183	1.09	7.183	2.17	13.183	5.33	19.18	1.78
1.200	1.09	7.200	2.17	13.200	5.33	19.20	1.78
1.217	1.09	7.217	2.17	13.217	5.33	19.22	1.78
1.233	1.09	7.233	2.17	13.233	5.33	19.23	1.78
1.250	1.09	7.250	2.17	13.250	5.33	19.25	1.78
1.267	1.09	7.267	2.17	13.267	5.33	19.27	1.78
1.283	1.09	7.283	2.17	13.283	5.33	19.28	1.78
1.300	1.09	7.300	2.17	13.300	5.33	19.30	1.78
1.317	1.09	7.317	2.17	13.317	5.33	19.32	1.78
1.333	1.09	7.333	2.17	13.333	5.33	19.33	1.78
1.350	1.09	7.350	2.17	13.350	5.33	19.35	1.78
1.367	1.09	7.367	2.17	13.367	5.33	19.37	1.78
1.383	1.09	7.383	2.17	13.383	5.33	19.38	1.78
1.400	1.09	7.400	2.17	13.400	5.33	19.40	1.78
1.417	1.09	7.417	2.17	13.417	5.33	19.42	1.78
1.433	1.09	7.433	2.17	13.433	5.33	19.43	1.78
1.450	1.09	7.450	2.17	13.450	5.33	19.45	1.78
1.467	1.09	7.467	2.17	13.467	5.33	19.47	1.78
1.483	1.09	7.483	2.17	13.483	5.33	19.48	1.78
1.500	1.09	7.500	2.17	13.500	5.33	19.50	1.78
1.517	1.09	7.517	2.17	13.517	4.15	19.52	1.78
1.533	1.09	7.533	2.17	13.533	4.15	19.53	1.78
1.550	1.09	7.550	2.17	13.550	4.15	19.55	1.78
1.567	1.09	7.567	2.17	13.567	4.15	19.57	1.78
1.583	1.09	7.583	2.17	13.583	4.15	19.58	1.78
1.600	1.09	7.600	2.17	13.600	4.15	19.60	1.78
1.617	1.09	7.617	2.17	13.617	4.15	19.62	1.78
1.633	1.09	7.633	2.17	13.633	4.15	19.63	1.78
1.650	1.09	7.650	2.17	13.650	4.15	19.65	1.78
1.667	1.09	7.667	2.17	13.667	4.15	19.67	1.78
1.683	1.09	7.683	2.17	13.683	4.15	19.68	1.78
1.700	1.09	7.700	2.17	13.700	4.15	19.70	1.78

1.717	1.09	7.717	2.17	13.717	4.15	19.72	1.78
1.733	1.09	7.733	2.17	13.733	4.15	19.73	1.78
1.750	1.09	7.750	2.17	13.750	4.15	19.75	1.78
1.767	1.09	7.767	2.17	13.767	4.15	19.77	1.78
1.783	1.09	7.783	2.17	13.783	4.15	19.78	1.78
1.800	1.09	7.800	2.17	13.800	4.15	19.80	1.78
1.817	1.09	7.817	2.17	13.817	4.15	19.82	1.78
1.833	1.09	7.833	2.17	13.833	4.15	19.83	1.78
1.850	1.09	7.850	2.17	13.850	4.15	19.85	1.78
1.867	1.09	7.867	2.17	13.867	4.15	19.87	1.78
1.883	1.09	7.883	2.17	13.883	4.15	19.88	1.78
1.900	1.09	7.900	2.17	13.900	4.15	19.90	1.78
1.917	1.09	7.917	2.17	13.917	4.15	19.92	1.78
1.933	1.09	7.933	2.17	13.933	4.15	19.93	1.78
1.950	1.09	7.950	2.17	13.950	4.15	19.95	1.78
1.967	1.09	7.967	2.17	13.967	4.15	19.97	1.78
1.983	1.09	7.983	2.17	13.983	4.15	19.98	1.78
2.000	1.09	8.000	2.17	14.000	4.15	20.00	1.78
2.017	1.28	8.017	2.57	14.017	2.97	20.02	1.19
2.033	1.28	8.033	2.57	14.033	2.96	20.03	1.19
2.050	1.28	8.050	2.57	14.050	2.96	20.05	1.19
2.067	1.28	8.067	2.57	14.067	2.96	20.07	1.19
2.083	1.28	8.083	2.57	14.083	2.96	20.08	1.19
2.100	1.28	8.100	2.57	14.100	2.96	20.10	1.19
2.117	1.28	8.117	2.57	14.117	2.96	20.12	1.19
2.133	1.28	8.133	2.57	14.133	2.96	20.13	1.19
2.150	1.28	8.150	2.57	14.150	2.96	20.15	1.19
2.167	1.28	8.167	2.57	14.167	2.96	20.17	1.19
2.183	1.28	8.183	2.57	14.183	2.96	20.18	1.19
2.200	1.28	8.200	2.57	14.200	2.96	20.20	1.19
2.217	1.28	8.217	2.57	14.217	2.96	20.22	1.19
2.233	1.28	8.233	2.57	14.233	2.96	20.23	1.19
2.250	1.28	8.250	2.57	14.250	2.96	20.25	1.19
2.267	1.28	8.267	2.57	14.267	2.96	20.27	1.19
2.283	1.28	8.283	2.57	14.283	2.96	20.28	1.19
2.300	1.28	8.300	2.57	14.300	2.96	20.30	1.19
2.317	1.28	8.317	2.57	14.317	2.96	20.32	1.19
2.333	1.28	8.333	2.57	14.333	2.96	20.33	1.19
2.350	1.28	8.350	2.57	14.350	2.96	20.35	1.19
2.367	1.28	8.367	2.57	14.367	2.96	20.37	1.19
2.383	1.28	8.383	2.57	14.383	2.96	20.38	1.19
2.400	1.28	8.400	2.57	14.400	2.96	20.40	1.19
2.417	1.28	8.417	2.57	14.417	2.96	20.42	1.19
2.433	1.28	8.433	2.57	14.433	2.96	20.43	1.19
2.450	1.28	8.450	2.57	14.450	2.96	20.45	1.19
2.467	1.28	8.467	2.57	14.467	2.96	20.47	1.19
2.483	1.28	8.483	2.57	14.483	2.96	20.48	1.19
2.500	1.28	8.500	2.57	14.500	2.96	20.50	1.19
2.517	1.28	8.517	2.77	14.517	2.96	20.52	1.19
2.533	1.28	8.533	2.77	14.533	2.96	20.53	1.19
2.550	1.28	8.550	2.77	14.550	2.96	20.55	1.19
2.567	1.28	8.567	2.77	14.567	2.96	20.57	1.19
2.583	1.28	8.583	2.77	14.583	2.96	20.58	1.19
2.600	1.28	8.600	2.77	14.600	2.96	20.60	1.19
2.617	1.28	8.617	2.77	14.617	2.96	20.62	1.19
2.633	1.28	8.633	2.77	14.633	2.96	20.63	1.19
2.650	1.28	8.650	2.77	14.650	2.96	20.65	1.19
2.667	1.28	8.667	2.77	14.667	2.96	20.67	1.19
2.683	1.28	8.683	2.77	14.683	2.96	20.68	1.19
2.700	1.28	8.700	2.77	14.700	2.96	20.70	1.19
2.717	1.28	8.717	2.77	14.717	2.96	20.72	1.19
2.733	1.28	8.733	2.77	14.733	2.96	20.73	1.19
2.750	1.28	8.750	2.77	14.750	2.96	20.75	1.19
2.767	1.28	8.767	2.77	14.767	2.96	20.77	1.19
2.783	1.28	8.783	2.77	14.783	2.96	20.78	1.19
2.800	1.28	8.800	2.77	14.800	2.96	20.80	1.19
2.817	1.28	8.817	2.77	14.817	2.96	20.82	1.19
2.833	1.28	8.833	2.77	14.833	2.96	20.83	1.19
2.850	1.28	8.850	2.77	14.850	2.96	20.85	1.19
2.867	1.28	8.867	2.77	14.867	2.96	20.87	1.19
2.883	1.28	8.883	2.77	14.883	2.96	20.88	1.19
2.900	1.28	8.900	2.77	14.900	2.96	20.90	1.19
2.917	1.28	8.917	2.77	14.917	2.96	20.92	1.19
2.933	1.28	8.933	2.77	14.933	2.96	20.93	1.19
2.950	1.28	8.950	2.77	14.950	2.96	20.95	1.19
2.967	1.28	8.967	2.77	14.967	2.96	20.97	1.19
2.983	1.28	8.983	2.77	14.983	2.96	20.98	1.19
3.000	1.28	9.000	2.77	15.000	2.96	21.00	1.19
3.017	1.28	9.017	3.16	15.017	2.96	21.02	1.19
3.033	1.28	9.033	3.16	15.033	2.96	21.03	1.19
3.050	1.28	9.050	3.16	15.050	2.96	21.05	1.19
3.067	1.28	9.067	3.16	15.067	2.96	21.07	1.19
3.083	1.28	9.083	3.16	15.083	2.96	21.08	1.19
3.100	1.28	9.100	3.16	15.100	2.96	21.10	1.19

3.117	1.28	9.117	3.16	15.117	2.96	21.12	1.19
3.133	1.28	9.133	3.16	15.133	2.96	21.13	1.19
3.150	1.28	9.150	3.16	15.150	2.96	21.15	1.19
3.167	1.28	9.167	3.16	15.167	2.96	21.17	1.19
3.183	1.28	9.183	3.16	15.183	2.96	21.18	1.19
3.200	1.28	9.200	3.16	15.200	2.96	21.20	1.19
3.217	1.28	9.217	3.16	15.217	2.96	21.22	1.19
3.233	1.28	9.233	3.16	15.233	2.96	21.23	1.19
3.250	1.28	9.250	3.16	15.250	2.96	21.25	1.19
3.267	1.28	9.267	3.16	15.267	2.96	21.27	1.19
3.283	1.28	9.283	3.16	15.283	2.96	21.28	1.19
3.300	1.28	9.300	3.16	15.300	2.96	21.30	1.19
3.317	1.28	9.317	3.16	15.317	2.96	21.32	1.19
3.333	1.28	9.333	3.16	15.333	2.96	21.33	1.19
3.350	1.28	9.350	3.16	15.350	2.96	21.35	1.19
3.367	1.28	9.367	3.16	15.367	2.96	21.37	1.19
3.383	1.28	9.383	3.16	15.383	2.96	21.38	1.19
3.400	1.28	9.400	3.16	15.400	2.96	21.40	1.19
3.417	1.28	9.417	3.16	15.417	2.96	21.42	1.19
3.433	1.28	9.433	3.16	15.433	2.96	21.43	1.19
3.450	1.28	9.450	3.16	15.450	2.96	21.45	1.19
3.467	1.28	9.467	3.16	15.467	2.96	21.47	1.19
3.483	1.28	9.483	3.16	15.483	2.96	21.48	1.19
3.500	1.28	9.500	3.16	15.500	2.96	21.50	1.19
3.517	1.28	9.517	3.56	15.517	2.96	21.52	1.19
3.533	1.28	9.533	3.56	15.533	2.96	21.53	1.19
3.550	1.28	9.550	3.56	15.550	2.96	21.55	1.19
3.567	1.28	9.567	3.56	15.567	2.96	21.57	1.19
3.583	1.28	9.583	3.56	15.583	2.96	21.58	1.19
3.600	1.28	9.600	3.56	15.600	2.96	21.60	1.19
3.617	1.28	9.617	3.56	15.617	2.96	21.62	1.19
3.633	1.28	9.633	3.56	15.633	2.96	21.63	1.19
3.650	1.28	9.650	3.56	15.650	2.96	21.65	1.19
3.667	1.28	9.667	3.56	15.667	2.96	21.67	1.19
3.683	1.28	9.683	3.56	15.683	2.96	21.68	1.19
3.700	1.28	9.700	3.56	15.700	2.96	21.70	1.19
3.717	1.28	9.717	3.56	15.717	2.96	21.72	1.19
3.733	1.28	9.733	3.56	15.733	2.96	21.73	1.19
3.750	1.28	9.750	3.56	15.750	2.96	21.75	1.19
3.767	1.28	9.767	3.56	15.767	2.96	21.77	1.19
3.783	1.28	9.783	3.56	15.783	2.96	21.78	1.19
3.800	1.28	9.800	3.56	15.800	2.96	21.80	1.19
3.817	1.28	9.817	3.56	15.817	2.96	21.82	1.19
3.833	1.28	9.833	3.56	15.833	2.96	21.83	1.19
3.850	1.28	9.850	3.56	15.850	2.96	21.85	1.19
3.867	1.28	9.867	3.56	15.867	2.96	21.87	1.19
3.883	1.28	9.883	3.56	15.883	2.96	21.88	1.19
3.900	1.28	9.900	3.56	15.900	2.96	21.90	1.19
3.917	1.28	9.917	3.56	15.917	2.96	21.92	1.19
3.933	1.28	9.933	3.56	15.933	2.96	21.93	1.19
3.950	1.28	9.950	3.56	15.950	2.96	21.95	1.19
3.967	1.28	9.967	3.56	15.967	2.96	21.97	1.19
3.983	1.28	9.983	3.56	15.983	2.96	21.98	1.19
4.000	1.28	10.000	3.56	16.000	2.96	22.00	1.19
4.017	1.58	10.017	4.54	16.017	1.78	22.02	1.19
4.033	1.58	10.033	4.54	16.033	1.78	22.03	1.19
4.050	1.58	10.050	4.54	16.050	1.78	22.05	1.19
4.067	1.58	10.067	4.54	16.067	1.78	22.07	1.19
4.083	1.58	10.083	4.54	16.083	1.78	22.08	1.19
4.100	1.58	10.100	4.54	16.100	1.78	22.10	1.19
4.117	1.58	10.117	4.54	16.117	1.78	22.12	1.19
4.133	1.58	10.133	4.54	16.133	1.78	22.13	1.19
4.150	1.58	10.150	4.54	16.150	1.78	22.15	1.19
4.167	1.58	10.167	4.54	16.167	1.78	22.17	1.19
4.183	1.58	10.183	4.54	16.183	1.78	22.18	1.19
4.200	1.58	10.200	4.54	16.200	1.78	22.20	1.19
4.217	1.58	10.217	4.54	16.217	1.78	22.22	1.19
4.233	1.58	10.233	4.54	16.233	1.78	22.23	1.19
4.250	1.58	10.250	4.54	16.250	1.78	22.25	1.19
4.267	1.58	10.267	4.54	16.267	1.78	22.27	1.19
4.283	1.58	10.283	4.54	16.283	1.78	22.28	1.19
4.300	1.58	10.300	4.54	16.300	1.78	22.30	1.19
4.317	1.58	10.317	4.54	16.317	1.78	22.32	1.19
4.333	1.58	10.333	4.54	16.333	1.78	22.33	1.19
4.350	1.58	10.350	4.54	16.350	1.78	22.35	1.19
4.367	1.58	10.367	4.54	16.367	1.78	22.37	1.19
4.383	1.58	10.383	4.54	16.383	1.78	22.38	1.19
4.400	1.58	10.400	4.54	16.400	1.78	22.40	1.19
4.417	1.58	10.417	4.54	16.417	1.78	22.42	1.19
4.433	1.58	10.433	4.54	16.433	1.78	22.43	1.19
4.450	1.58	10.450	4.54	16.450	1.78	22.45	1.19
4.467	1.58	10.467	4.54	16.467	1.78	22.47	1.19
4.483	1.58	10.483	4.54	16.483	1.78	22.48	1.19
4.500	1.58	10.500	4.54	16.500	1.78	22.50	1.19

4.517	1.58	10.517	6.12	16.517	1.78	22.52	1.19
4.533	1.58	10.533	6.12	16.533	1.78	22.53	1.19
4.550	1.58	10.550	6.12	16.550	1.78	22.55	1.19
4.567	1.58	10.567	6.12	16.567	1.78	22.57	1.19
4.583	1.58	10.583	6.12	16.583	1.78	22.58	1.19
4.600	1.58	10.600	6.12	16.600	1.78	22.60	1.19
4.617	1.58	10.617	6.12	16.617	1.78	22.62	1.19
4.633	1.58	10.633	6.12	16.633	1.78	22.63	1.19
4.650	1.58	10.650	6.12	16.650	1.78	22.65	1.19
4.667	1.58	10.667	6.12	16.667	1.78	22.67	1.19
4.683	1.58	10.683	6.12	16.683	1.78	22.68	1.19
4.700	1.58	10.700	6.12	16.700	1.78	22.70	1.19
4.717	1.58	10.717	6.12	16.717	1.78	22.72	1.19
4.733	1.58	10.733	6.12	16.733	1.78	22.73	1.19
4.750	1.58	10.750	6.12	16.750	1.78	22.75	1.19
4.767	1.58	10.767	6.12	16.767	1.78	22.77	1.19
4.783	1.58	10.783	6.12	16.783	1.78	22.78	1.19
4.800	1.58	10.800	6.12	16.800	1.78	22.80	1.19
4.817	1.58	10.817	6.12	16.817	1.78	22.82	1.19
4.833	1.58	10.833	6.12	16.833	1.78	22.83	1.19
4.850	1.58	10.850	6.12	16.850	1.78	22.85	1.19
4.867	1.58	10.867	6.12	16.867	1.78	22.87	1.19
4.883	1.58	10.883	6.12	16.883	1.78	22.88	1.19
4.900	1.58	10.900	6.12	16.900	1.78	22.90	1.19
4.917	1.58	10.917	6.12	16.917	1.78	22.92	1.19
4.933	1.58	10.933	6.12	16.933	1.78	22.93	1.19
4.950	1.58	10.950	6.12	16.950	1.78	22.95	1.19
4.967	1.58	10.967	6.12	16.967	1.78	22.97	1.19
4.983	1.58	10.983	6.12	16.983	1.78	22.98	1.19
5.000	1.58	11.000	6.13	17.000	1.78	23.00	1.19
5.017	1.58	11.017	9.48	17.017	1.78	23.02	1.19
5.033	1.58	11.033	9.48	17.033	1.78	23.03	1.19
5.050	1.58	11.050	9.48	17.050	1.78	23.05	1.19
5.067	1.58	11.067	9.48	17.067	1.78	23.07	1.19
5.083	1.58	11.083	9.48	17.083	1.78	23.08	1.19
5.100	1.58	11.100	9.48	17.100	1.78	23.10	1.19
5.117	1.58	11.117	9.48	17.117	1.78	23.12	1.19
5.133	1.58	11.133	9.48	17.133	1.78	23.13	1.19
5.150	1.58	11.150	9.48	17.150	1.78	23.15	1.19
5.167	1.58	11.167	9.48	17.167	1.78	23.17	1.19
5.183	1.58	11.183	9.48	17.183	1.78	23.18	1.19
5.200	1.58	11.200	9.48	17.200	1.78	23.20	1.19
5.217	1.58	11.217	9.48	17.217	1.78	23.22	1.19
5.233	1.58	11.233	9.48	17.233	1.78	23.23	1.19
5.250	1.58	11.250	9.48	17.250	1.78	23.25	1.19
5.267	1.58	11.267	9.48	17.267	1.78	23.27	1.19
5.283	1.58	11.283	9.48	17.283	1.78	23.28	1.19
5.300	1.58	11.300	9.48	17.300	1.78	23.30	1.19
5.317	1.58	11.317	9.48	17.317	1.78	23.32	1.19
5.333	1.58	11.333	9.48	17.333	1.78	23.33	1.19
5.350	1.58	11.350	9.48	17.350	1.78	23.35	1.19
5.367	1.58	11.367	9.48	17.367	1.78	23.37	1.19
5.383	1.58	11.383	9.48	17.383	1.78	23.38	1.19
5.400	1.58	11.400	9.48	17.400	1.78	23.40	1.19
5.417	1.58	11.417	9.48	17.417	1.78	23.42	1.19
5.433	1.58	11.433	9.48	17.433	1.78	23.43	1.19
5.450	1.58	11.450	9.48	17.450	1.78	23.45	1.19
5.467	1.58	11.467	9.48	17.467	1.78	23.47	1.19
5.483	1.58	11.483	9.48	17.483	1.78	23.48	1.19
5.500	1.58	11.500	9.48	17.500	1.78	23.50	1.19
5.517	1.58	11.517	29.23	17.517	1.78	23.52	1.19
5.533	1.58	11.533	29.24	17.533	1.78	23.53	1.19
5.550	1.58	11.550	29.24	17.550	1.78	23.55	1.19
5.567	1.58	11.567	29.24	17.567	1.78	23.57	1.19
5.583	1.58	11.583	29.24	17.583	1.78	23.58	1.19
5.600	1.58	11.600	29.24	17.600	1.78	23.60	1.19
5.617	1.58	11.617	29.24	17.617	1.78	23.62	1.19
5.633	1.58	11.633	29.24	17.633	1.78	23.63	1.19
5.650	1.58	11.650	29.24	17.650	1.78	23.65	1.19
5.667	1.58	11.667	29.24	17.667	1.78	23.67	1.19
5.683	1.58	11.683	29.24	17.683	1.78	23.68	1.19
5.700	1.58	11.700	29.24	17.700	1.78	23.70	1.19
5.717	1.58	11.717	29.24	17.717	1.78	23.72	1.19
5.733	1.58	11.733	29.24	17.733	1.78	23.73	1.19
5.750	1.58	11.750	29.24	17.750	1.78	23.75	1.19
5.767	1.58	11.767	120.86	17.767	1.78	23.77	1.19
5.783	1.58	11.783	120.91	17.783	1.78	23.78	1.19
5.800	1.58	11.800	120.91	17.800	1.78	23.80	1.19
5.817	1.58	11.817	120.91	17.817	1.78	23.82	1.19
5.833	1.58	11.833	120.91	17.833	1.78	23.83	1.19
5.850	1.58	11.850	120.91	17.850	1.78	23.85	1.19
5.867	1.58	11.867	120.91	17.867	1.78	23.87	1.19
5.883	1.58	11.883	120.91	17.883	1.78	23.88	1.19
5.900	1.58	11.900	120.91	17.900	1.78	23.90	1.19

5.917	1.58	11.917	120.91	17.917	1.78	23.92	1.19
5.933	1.58	11.933	120.91	17.933	1.78	23.93	1.19
5.950	1.58	11.950	120.91	17.950	1.78	23.95	1.19
5.967	1.58	11.967	120.91	17.967	1.78	23.97	1.19
5.983	1.58	11.983	120.91	17.983	1.78	23.98	1.19
6.000	1.58	12.000	120.91	18.000	1.78	24.00	1.19

Max.Eff.Inten.(mm/hr)=	120.91	97.93	
over (min)	5.00	10.00	
Storage Coeff. (min)=	4.27 (ii)	9.88 (ii)	
Unit Hyd. Tpeak (min)=	5.00	10.00	
Unit Hyd. peak (cms)=	0.25	0.11	
TOTALS			
PEAK FLOW (cms)=	0.15	0.06	0.197 (iii)
TIME TO PEAK (hrs)=	12.00	12.07	12.02
RUNOFF VOLUME (mm)=	96.77	40.50	66.95
TOTAL RAINFALL (mm)=	98.78	98.78	98.78
RUNOFF COEFFICIENT =	0.98	0.41	0.68

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3				
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0204):	0.96	0.197	12.02	66.95
+ ID2= 2 (0205):	14.50	0.594	12.37	22.59
=====				
ID = 3 (0017):	15.46	0.635	12.35	31.26

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1				
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 3 (0017):	15.46	0.635	12.35	31.26
+ ID2= 2 (0087):	15.86	0.865	12.32	28.45
=====				
ID = 1 (0017):	31.32	1.500	12.32	33.41

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB			
STANDHYD (0012)			
ID= 1 DT= 1.0 min	Area (ha)= 1.18	Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.26	0.92
Dep. Storage	(mm)=	2.00	4.60
Average slope	(%)=	1.00	2.00
Length	(m)=	88.84	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.09	6.017	1.78	12.017	14.30	18.02	1.78
0.033	1.09	6.033	1.78	12.033	14.22	18.03	1.78
0.050	1.09	6.050	1.78	12.050	14.22	18.05	1.78
0.067	1.09	6.067	1.78	12.067	14.22	18.07	1.78
0.083	1.09	6.083	1.78	12.083	14.22	18.08	1.78
0.100	1.09	6.100	1.78	12.100	14.22	18.10	1.78
0.117	1.09	6.117	1.78	12.117	14.22	18.12	1.78
0.133	1.09	6.133	1.78	12.133	14.22	18.13	1.78
0.150	1.09	6.150	1.78	12.150	14.22	18.15	1.78
0.167	1.09	6.167	1.78	12.167	14.22	18.17	1.78
0.183	1.09	6.183	1.78	12.183	14.22	18.18	1.78
0.200	1.09	6.200	1.78	12.200	14.22	18.20	1.78
0.217	1.09	6.217	1.78	12.217	14.22	18.22	1.78
0.233	1.09	6.233	1.78	12.233	14.22	18.23	1.78
0.250	1.09	6.250	1.78	12.250	14.22	18.25	1.78

0.267	1.09	6.267	1.78	12.267	14.22	18.27	1.78
0.283	1.09	6.283	1.78	12.283	14.22	18.28	1.78
0.300	1.09	6.300	1.78	12.300	14.22	18.30	1.78
0.317	1.09	6.317	1.78	12.317	14.22	18.32	1.78
0.333	1.09	6.333	1.78	12.333	14.22	18.33	1.78
0.350	1.09	6.350	1.78	12.350	14.22	18.35	1.78
0.367	1.09	6.367	1.78	12.367	14.22	18.37	1.78
0.383	1.09	6.383	1.78	12.383	14.22	18.38	1.78
0.400	1.09	6.400	1.78	12.400	14.22	18.40	1.78
0.417	1.09	6.417	1.78	12.417	14.22	18.42	1.78
0.433	1.09	6.433	1.78	12.433	14.22	18.43	1.78
0.450	1.09	6.450	1.78	12.450	14.22	18.45	1.78
0.467	1.09	6.467	1.78	12.467	14.22	18.47	1.78
0.483	1.09	6.483	1.78	12.483	14.22	18.48	1.78
0.500	1.09	6.500	1.78	12.500	14.22	18.50	1.78
0.517	1.09	6.517	1.78	12.517	7.32	18.52	1.78
0.533	1.09	6.533	1.78	12.533	7.31	18.53	1.78
0.550	1.09	6.550	1.78	12.550	7.31	18.55	1.78
0.567	1.09	6.567	1.78	12.567	7.31	18.57	1.78
0.583	1.09	6.583	1.78	12.583	7.31	18.58	1.78
0.600	1.09	6.600	1.78	12.600	7.31	18.60	1.78
0.617	1.09	6.617	1.78	12.617	7.31	18.62	1.78
0.633	1.09	6.633	1.78	12.633	7.31	18.63	1.78
0.650	1.09	6.650	1.78	12.650	7.31	18.65	1.78
0.667	1.09	6.667	1.78	12.667	7.31	18.67	1.78
0.683	1.09	6.683	1.78	12.683	7.31	18.68	1.78
0.700	1.09	6.700	1.78	12.700	7.31	18.70	1.78
0.717	1.09	6.717	1.78	12.717	7.31	18.72	1.78
0.733	1.09	6.733	1.78	12.733	7.31	18.73	1.78
0.750	1.09	6.750	1.78	12.750	7.31	18.75	1.78
0.767	1.09	6.767	1.78	12.767	7.31	18.77	1.78
0.783	1.09	6.783	1.78	12.783	7.31	18.78	1.78
0.800	1.09	6.800	1.78	12.800	7.31	18.80	1.78
0.817	1.09	6.817	1.78	12.817	7.31	18.82	1.78
0.833	1.09	6.833	1.78	12.833	7.31	18.83	1.78
0.850	1.09	6.850	1.78	12.850	7.31	18.85	1.78
0.867	1.09	6.867	1.78	12.867	7.31	18.87	1.78
0.883	1.09	6.883	1.78	12.883	7.31	18.88	1.78
0.900	1.09	6.900	1.78	12.900	7.31	18.90	1.78
0.917	1.09	6.917	1.78	12.917	7.31	18.92	1.78
0.933	1.09	6.933	1.78	12.933	7.31	18.93	1.78
0.950	1.09	6.950	1.78	12.950	7.31	18.95	1.78
0.967	1.09	6.967	1.78	12.967	7.31	18.97	1.78
0.983	1.09	6.983	1.78	12.983	7.31	18.98	1.78
1.000	1.09	7.000	1.78	13.000	7.31	19.00	1.78
1.017	1.09	7.017	2.17	13.017	5.34	19.02	1.78
1.033	1.09	7.033	2.17	13.033	5.33	19.03	1.78
1.050	1.09	7.050	2.17	13.050	5.33	19.05	1.78
1.067	1.09	7.067	2.17	13.067	5.33	19.07	1.78
1.083	1.09	7.083	2.17	13.083	5.33	19.08	1.78
1.100	1.09	7.100	2.17	13.100	5.33	19.10	1.78
1.117	1.09	7.117	2.17	13.117	5.33	19.12	1.78
1.133	1.09	7.133	2.17	13.133	5.33	19.13	1.78
1.150	1.09	7.150	2.17	13.150	5.33	19.15	1.78
1.167	1.09	7.167	2.17	13.167	5.33	19.17	1.78
1.183	1.09	7.183	2.17	13.183	5.33	19.18	1.78
1.200	1.09	7.200	2.17	13.200	5.33	19.20	1.78
1.217	1.09	7.217	2.17	13.217	5.33	19.22	1.78
1.233	1.09	7.233	2.17	13.233	5.33	19.23	1.78
1.250	1.09	7.250	2.17	13.250	5.33	19.25	1.78
1.267	1.09	7.267	2.17	13.267	5.33	19.27	1.78
1.283	1.09	7.283	2.17	13.283	5.33	19.28	1.78
1.300	1.09	7.300	2.17	13.300	5.33	19.30	1.78
1.317	1.09	7.317	2.17	13.317	5.33	19.32	1.78
1.333	1.09	7.333	2.17	13.333	5.33	19.33	1.78
1.350	1.09	7.350	2.17	13.350	5.33	19.35	1.78
1.367	1.09	7.367	2.17	13.367	5.33	19.37	1.78
1.383	1.09	7.383	2.17	13.383	5.33	19.38	1.78
1.400	1.09	7.400	2.17	13.400	5.33	19.40	1.78
1.417	1.09	7.417	2.17	13.417	5.33	19.42	1.78
1.433	1.09	7.433	2.17	13.433	5.33	19.43	1.78
1.450	1.09	7.450	2.17	13.450	5.33	19.45	1.78
1.467	1.09	7.467	2.17	13.467	5.33	19.47	1.78
1.483	1.09	7.483	2.17	13.483	5.33	19.48	1.78
1.500	1.09	7.500	2.17	13.500	5.33	19.50	1.78
1.517	1.09	7.517	2.17	13.517	4.15	19.52	1.78
1.533	1.09	7.533	2.17	13.533	4.15	19.53	1.78
1.550	1.09	7.550	2.17	13.550	4.15	19.55	1.78
1.567	1.09	7.567	2.17	13.567	4.15	19.57	1.78
1.583	1.09	7.583	2.17	13.583	4.15	19.58	1.78
1.600	1.09	7.600	2.17	13.600	4.15	19.60	1.78
1.617	1.09	7.617	2.17	13.617	4.15	19.62	1.78
1.633	1.09	7.633	2.17	13.633	4.15	19.63	1.78
1.650	1.09	7.650	2.17	13.650	4.15	19.65	1.78

1.667	1.09	7.667	2.17	13.667	4.15	19.67	1.78
1.683	1.09	7.683	2.17	13.683	4.15	19.68	1.78
1.700	1.09	7.700	2.17	13.700	4.15	19.70	1.78
1.717	1.09	7.717	2.17	13.717	4.15	19.72	1.78
1.733	1.09	7.733	2.17	13.733	4.15	19.73	1.78
1.750	1.09	7.750	2.17	13.750	4.15	19.75	1.78
1.767	1.09	7.767	2.17	13.767	4.15	19.77	1.78
1.783	1.09	7.783	2.17	13.783	4.15	19.78	1.78
1.800	1.09	7.800	2.17	13.800	4.15	19.80	1.78
1.817	1.09	7.817	2.17	13.817	4.15	19.82	1.78
1.833	1.09	7.833	2.17	13.833	4.15	19.83	1.78
1.850	1.09	7.850	2.17	13.850	4.15	19.85	1.78
1.867	1.09	7.867	2.17	13.867	4.15	19.87	1.78
1.883	1.09	7.883	2.17	13.883	4.15	19.88	1.78
1.900	1.09	7.900	2.17	13.900	4.15	19.90	1.78
1.917	1.09	7.917	2.17	13.917	4.15	19.92	1.78
1.933	1.09	7.933	2.17	13.933	4.15	19.93	1.78
1.950	1.09	7.950	2.17	13.950	4.15	19.95	1.78
1.967	1.09	7.967	2.17	13.967	4.15	19.97	1.78
1.983	1.09	7.983	2.17	13.983	4.15	19.98	1.78
2.000	1.09	8.000	2.17	14.000	4.15	20.00	1.78
2.017	1.28	8.017	2.57	14.017	2.97	20.02	1.19
2.033	1.28	8.033	2.57	14.033	2.96	20.03	1.19
2.050	1.28	8.050	2.57	14.050	2.96	20.05	1.19
2.067	1.28	8.067	2.57	14.067	2.96	20.07	1.19
2.083	1.28	8.083	2.57	14.083	2.96	20.08	1.19
2.100	1.28	8.100	2.57	14.100	2.96	20.10	1.19
2.117	1.28	8.117	2.57	14.117	2.96	20.12	1.19
2.133	1.28	8.133	2.57	14.133	2.96	20.13	1.19
2.150	1.28	8.150	2.57	14.150	2.96	20.15	1.19
2.167	1.28	8.167	2.57	14.167	2.96	20.17	1.19
2.183	1.28	8.183	2.57	14.183	2.96	20.18	1.19
2.200	1.28	8.200	2.57	14.200	2.96	20.20	1.19
2.217	1.28	8.217	2.57	14.217	2.96	20.22	1.19
2.233	1.28	8.233	2.57	14.233	2.96	20.23	1.19
2.250	1.28	8.250	2.57	14.250	2.96	20.25	1.19
2.267	1.28	8.267	2.57	14.267	2.96	20.27	1.19
2.283	1.28	8.283	2.57	14.283	2.96	20.28	1.19
2.300	1.28	8.300	2.57	14.300	2.96	20.30	1.19
2.317	1.28	8.317	2.57	14.317	2.96	20.32	1.19
2.333	1.28	8.333	2.57	14.333	2.96	20.33	1.19
2.350	1.28	8.350	2.57	14.350	2.96	20.35	1.19
2.367	1.28	8.367	2.57	14.367	2.96	20.37	1.19
2.383	1.28	8.383	2.57	14.383	2.96	20.38	1.19
2.400	1.28	8.400	2.57	14.400	2.96	20.40	1.19
2.417	1.28	8.417	2.57	14.417	2.96	20.42	1.19
2.433	1.28	8.433	2.57	14.433	2.96	20.43	1.19
2.450	1.28	8.450	2.57	14.450	2.96	20.45	1.19
2.467	1.28	8.467	2.57	14.467	2.96	20.47	1.19
2.483	1.28	8.483	2.57	14.483	2.96	20.48	1.19
2.500	1.28	8.500	2.57	14.500	2.96	20.50	1.19
2.517	1.28	8.517	2.77	14.517	2.96	20.52	1.19
2.533	1.28	8.533	2.77	14.533	2.96	20.53	1.19
2.550	1.28	8.550	2.77	14.550	2.96	20.55	1.19
2.567	1.28	8.567	2.77	14.567	2.96	20.57	1.19
2.583	1.28	8.583	2.77	14.583	2.96	20.58	1.19
2.600	1.28	8.600	2.77	14.600	2.96	20.60	1.19
2.617	1.28	8.617	2.77	14.617	2.96	20.62	1.19
2.633	1.28	8.633	2.77	14.633	2.96	20.63	1.19
2.650	1.28	8.650	2.77	14.650	2.96	20.65	1.19
2.667	1.28	8.667	2.77	14.667	2.96	20.67	1.19
2.683	1.28	8.683	2.77	14.683	2.96	20.68	1.19
2.700	1.28	8.700	2.77	14.700	2.96	20.70	1.19
2.717	1.28	8.717	2.77	14.717	2.96	20.72	1.19
2.733	1.28	8.733	2.77	14.733	2.96	20.73	1.19
2.750	1.28	8.750	2.77	14.750	2.96	20.75	1.19
2.767	1.28	8.767	2.77	14.767	2.96	20.77	1.19
2.783	1.28	8.783	2.77	14.783	2.96	20.78	1.19
2.800	1.28	8.800	2.77	14.800	2.96	20.80	1.19
2.817	1.28	8.817	2.77	14.817	2.96	20.82	1.19
2.833	1.28	8.833	2.77	14.833	2.96	20.83	1.19
2.850	1.28	8.850	2.77	14.850	2.96	20.85	1.19
2.867	1.28	8.867	2.77	14.867	2.96	20.87	1.19
2.883	1.28	8.883	2.77	14.883	2.96	20.88	1.19
2.900	1.28	8.900	2.77	14.900	2.96	20.90	1.19
2.917	1.28	8.917	2.77	14.917	2.96	20.92	1.19
2.933	1.28	8.933	2.77	14.933	2.96	20.93	1.19
2.950	1.28	8.950	2.77	14.950	2.96	20.95	1.19
2.967	1.28	8.967	2.77	14.967	2.96	20.97	1.19
2.983	1.28	8.983	2.77	14.983	2.96	20.98	1.19
3.000	1.28	9.000	2.77	15.000	2.96	21.00	1.19
3.017	1.28	9.017	3.16	15.017	2.96	21.02	1.19
3.033	1.28	9.033	3.16	15.033	2.96	21.03	1.19
3.050	1.28	9.050	3.16	15.050	2.96	21.05	1.19

3.067	1.28	9.067	3.16	15.067	2.96	21.07	1.19
3.083	1.28	9.083	3.16	15.083	2.96	21.08	1.19
3.100	1.28	9.100	3.16	15.100	2.96	21.10	1.19
3.117	1.28	9.117	3.16	15.117	2.96	21.12	1.19
3.133	1.28	9.133	3.16	15.133	2.96	21.13	1.19
3.150	1.28	9.150	3.16	15.150	2.96	21.15	1.19
3.167	1.28	9.167	3.16	15.167	2.96	21.17	1.19
3.183	1.28	9.183	3.16	15.183	2.96	21.18	1.19
3.200	1.28	9.200	3.16	15.200	2.96	21.20	1.19
3.217	1.28	9.217	3.16	15.217	2.96	21.22	1.19
3.233	1.28	9.233	3.16	15.233	2.96	21.23	1.19
3.250	1.28	9.250	3.16	15.250	2.96	21.25	1.19
3.267	1.28	9.267	3.16	15.267	2.96	21.27	1.19
3.283	1.28	9.283	3.16	15.283	2.96	21.28	1.19
3.300	1.28	9.300	3.16	15.300	2.96	21.30	1.19
3.317	1.28	9.317	3.16	15.317	2.96	21.32	1.19
3.333	1.28	9.333	3.16	15.333	2.96	21.33	1.19
3.350	1.28	9.350	3.16	15.350	2.96	21.35	1.19
3.367	1.28	9.367	3.16	15.367	2.96	21.37	1.19
3.383	1.28	9.383	3.16	15.383	2.96	21.38	1.19
3.400	1.28	9.400	3.16	15.400	2.96	21.40	1.19
3.417	1.28	9.417	3.16	15.417	2.96	21.42	1.19
3.433	1.28	9.433	3.16	15.433	2.96	21.43	1.19
3.450	1.28	9.450	3.16	15.450	2.96	21.45	1.19
3.467	1.28	9.467	3.16	15.467	2.96	21.47	1.19
3.483	1.28	9.483	3.16	15.483	2.96	21.48	1.19
3.500	1.28	9.500	3.16	15.500	2.96	21.50	1.19
3.517	1.28	9.517	3.56	15.517	2.96	21.52	1.19
3.533	1.28	9.533	3.56	15.533	2.96	21.53	1.19
3.550	1.28	9.550	3.56	15.550	2.96	21.55	1.19
3.567	1.28	9.567	3.56	15.567	2.96	21.57	1.19
3.583	1.28	9.583	3.56	15.583	2.96	21.58	1.19
3.600	1.28	9.600	3.56	15.600	2.96	21.60	1.19
3.617	1.28	9.617	3.56	15.617	2.96	21.62	1.19
3.633	1.28	9.633	3.56	15.633	2.96	21.63	1.19
3.650	1.28	9.650	3.56	15.650	2.96	21.65	1.19
3.667	1.28	9.667	3.56	15.667	2.96	21.67	1.19
3.683	1.28	9.683	3.56	15.683	2.96	21.68	1.19
3.700	1.28	9.700	3.56	15.700	2.96	21.70	1.19
3.717	1.28	9.717	3.56	15.717	2.96	21.72	1.19
3.733	1.28	9.733	3.56	15.733	2.96	21.73	1.19
3.750	1.28	9.750	3.56	15.750	2.96	21.75	1.19
3.767	1.28	9.767	3.56	15.767	2.96	21.77	1.19
3.783	1.28	9.783	3.56	15.783	2.96	21.78	1.19
3.800	1.28	9.800	3.56	15.800	2.96	21.80	1.19
3.817	1.28	9.817	3.56	15.817	2.96	21.82	1.19
3.833	1.28	9.833	3.56	15.833	2.96	21.83	1.19
3.850	1.28	9.850	3.56	15.850	2.96	21.85	1.19
3.867	1.28	9.867	3.56	15.867	2.96	21.87	1.19
3.883	1.28	9.883	3.56	15.883	2.96	21.88	1.19
3.900	1.28	9.900	3.56	15.900	2.96	21.90	1.19
3.917	1.28	9.917	3.56	15.917	2.96	21.92	1.19
3.933	1.28	9.933	3.56	15.933	2.96	21.93	1.19
3.950	1.28	9.950	3.56	15.950	2.96	21.95	1.19
3.967	1.28	9.967	3.56	15.967	2.96	21.97	1.19
3.983	1.28	9.983	3.56	15.983	2.96	21.98	1.19
4.000	1.28	10.000	3.56	16.000	2.96	22.00	1.19
4.017	1.58	10.017	4.54	16.017	1.78	22.02	1.19
4.033	1.58	10.033	4.54	16.033	1.78	22.03	1.19
4.050	1.58	10.050	4.54	16.050	1.78	22.05	1.19
4.067	1.58	10.067	4.54	16.067	1.78	22.07	1.19
4.083	1.58	10.083	4.54	16.083	1.78	22.08	1.19
4.100	1.58	10.100	4.54	16.100	1.78	22.10	1.19
4.117	1.58	10.117	4.54	16.117	1.78	22.12	1.19
4.133	1.58	10.133	4.54	16.133	1.78	22.13	1.19
4.150	1.58	10.150	4.54	16.150	1.78	22.15	1.19
4.167	1.58	10.167	4.54	16.167	1.78	22.17	1.19
4.183	1.58	10.183	4.54	16.183	1.78	22.18	1.19
4.200	1.58	10.200	4.54	16.200	1.78	22.20	1.19
4.217	1.58	10.217	4.54	16.217	1.78	22.22	1.19
4.233	1.58	10.233	4.54	16.233	1.78	22.23	1.19
4.250	1.58	10.250	4.54	16.250	1.78	22.25	1.19
4.267	1.58	10.267	4.54	16.267	1.78	22.27	1.19
4.283	1.58	10.283	4.54	16.283	1.78	22.28	1.19
4.300	1.58	10.300	4.54	16.300	1.78	22.30	1.19
4.317	1.58	10.317	4.54	16.317	1.78	22.32	1.19
4.333	1.58	10.333	4.54	16.333	1.78	22.33	1.19
4.350	1.58	10.350	4.54	16.350	1.78	22.35	1.19
4.367	1.58	10.367	4.54	16.367	1.78	22.37	1.19
4.383	1.58	10.383	4.54	16.383	1.78	22.38	1.19
4.400	1.58	10.400	4.54	16.400	1.78	22.40	1.19
4.417	1.58	10.417	4.54	16.417	1.78	22.42	1.19
4.433	1.58	10.433	4.54	16.433	1.78	22.43	1.19
4.450	1.58	10.450	4.54	16.450	1.78	22.45	1.19

4.467	1.58	10.467	4.54	16.467	1.78	22.47	1.19
4.483	1.58	10.483	4.54	16.483	1.78	22.48	1.19
4.500	1.58	10.500	4.54	16.500	1.78	22.50	1.19
4.517	1.58	10.517	6.12	16.517	1.78	22.52	1.19
4.533	1.58	10.533	6.12	16.533	1.78	22.53	1.19
4.550	1.58	10.550	6.12	16.550	1.78	22.55	1.19
4.567	1.58	10.567	6.12	16.567	1.78	22.57	1.19
4.583	1.58	10.583	6.12	16.583	1.78	22.58	1.19
4.600	1.58	10.600	6.12	16.600	1.78	22.60	1.19
4.617	1.58	10.617	6.12	16.617	1.78	22.62	1.19
4.633	1.58	10.633	6.12	16.633	1.78	22.63	1.19
4.650	1.58	10.650	6.12	16.650	1.78	22.65	1.19
4.667	1.58	10.667	6.12	16.667	1.78	22.67	1.19
4.683	1.58	10.683	6.12	16.683	1.78	22.68	1.19
4.700	1.58	10.700	6.12	16.700	1.78	22.70	1.19
4.717	1.58	10.717	6.12	16.717	1.78	22.72	1.19
4.733	1.58	10.733	6.12	16.733	1.78	22.73	1.19
4.750	1.58	10.750	6.12	16.750	1.78	22.75	1.19
4.767	1.58	10.767	6.12	16.767	1.78	22.77	1.19
4.783	1.58	10.783	6.12	16.783	1.78	22.78	1.19
4.800	1.58	10.800	6.12	16.800	1.78	22.80	1.19
4.817	1.58	10.817	6.12	16.817	1.78	22.82	1.19
4.833	1.58	10.833	6.12	16.833	1.78	22.83	1.19
4.850	1.58	10.850	6.12	16.850	1.78	22.85	1.19
4.867	1.58	10.867	6.12	16.867	1.78	22.87	1.19
4.883	1.58	10.883	6.12	16.883	1.78	22.88	1.19
4.900	1.58	10.900	6.12	16.900	1.78	22.90	1.19
4.917	1.58	10.917	6.12	16.917	1.78	22.92	1.19
4.933	1.58	10.933	6.12	16.933	1.78	22.93	1.19
4.950	1.58	10.950	6.12	16.950	1.78	22.95	1.19
4.967	1.58	10.967	6.12	16.967	1.78	22.97	1.19
4.983	1.58	10.983	6.12	16.983	1.78	22.98	1.19
5.000	1.58	11.000	6.13	17.000	1.78	23.00	1.19
5.017	1.58	11.017	9.48	17.017	1.78	23.02	1.19
5.033	1.58	11.033	9.48	17.033	1.78	23.03	1.19
5.050	1.58	11.050	9.48	17.050	1.78	23.05	1.19
5.067	1.58	11.067	9.48	17.067	1.78	23.07	1.19
5.083	1.58	11.083	9.48	17.083	1.78	23.08	1.19
5.100	1.58	11.100	9.48	17.100	1.78	23.10	1.19
5.117	1.58	11.117	9.48	17.117	1.78	23.12	1.19
5.133	1.58	11.133	9.48	17.133	1.78	23.13	1.19
5.150	1.58	11.150	9.48	17.150	1.78	23.15	1.19
5.167	1.58	11.167	9.48	17.167	1.78	23.17	1.19
5.183	1.58	11.183	9.48	17.183	1.78	23.18	1.19
5.200	1.58	11.200	9.48	17.200	1.78	23.20	1.19
5.217	1.58	11.217	9.48	17.217	1.78	23.22	1.19
5.233	1.58	11.233	9.48	17.233	1.78	23.23	1.19
5.250	1.58	11.250	9.48	17.250	1.78	23.25	1.19
5.267	1.58	11.267	9.48	17.267	1.78	23.27	1.19
5.283	1.58	11.283	9.48	17.283	1.78	23.28	1.19
5.300	1.58	11.300	9.48	17.300	1.78	23.30	1.19
5.317	1.58	11.317	9.48	17.317	1.78	23.32	1.19
5.333	1.58	11.333	9.48	17.333	1.78	23.33	1.19
5.350	1.58	11.350	9.48	17.350	1.78	23.35	1.19
5.367	1.58	11.367	9.48	17.367	1.78	23.37	1.19
5.383	1.58	11.383	9.48	17.383	1.78	23.38	1.19
5.400	1.58	11.400	9.48	17.400	1.78	23.40	1.19
5.417	1.58	11.417	9.48	17.417	1.78	23.42	1.19
5.433	1.58	11.433	9.48	17.433	1.78	23.43	1.19
5.450	1.58	11.450	9.48	17.450	1.78	23.45	1.19
5.467	1.58	11.467	9.48	17.467	1.78	23.47	1.19
5.483	1.58	11.483	9.48	17.483	1.78	23.48	1.19
5.500	1.58	11.500	9.48	17.500	1.78	23.50	1.19
5.517	1.58	11.517	29.23	17.517	1.78	23.52	1.19
5.533	1.58	11.533	29.24	17.533	1.78	23.53	1.19
5.550	1.58	11.550	29.24	17.550	1.78	23.55	1.19
5.567	1.58	11.567	29.24	17.567	1.78	23.57	1.19
5.583	1.58	11.583	29.24	17.583	1.78	23.58	1.19
5.600	1.58	11.600	29.24	17.600	1.78	23.60	1.19
5.617	1.58	11.617	29.24	17.617	1.78	23.62	1.19
5.633	1.58	11.633	29.24	17.633	1.78	23.63	1.19
5.650	1.58	11.650	29.24	17.650	1.78	23.65	1.19
5.667	1.58	11.667	29.24	17.667	1.78	23.67	1.19
5.683	1.58	11.683	29.24	17.683	1.78	23.68	1.19
5.700	1.58	11.700	29.24	17.700	1.78	23.70	1.19
5.717	1.58	11.717	29.24	17.717	1.78	23.72	1.19
5.733	1.58	11.733	29.24	17.733	1.78	23.73	1.19
5.750	1.58	11.750	29.24	17.750	1.78	23.75	1.19
5.767	1.58	11.767	120.86	17.767	1.78	23.77	1.19
5.783	1.58	11.783	120.91	17.783	1.78	23.78	1.19
5.800	1.58	11.800	120.91	17.800	1.78	23.80	1.19
5.817	1.58	11.817	120.91	17.817	1.78	23.82	1.19
5.833	1.58	11.833	120.91	17.833	1.78	23.83	1.19
5.850	1.58	11.850	120.91	17.850	1.78	23.85	1.19

5.867	1.58	11.867	120.91	17.867	1.78	23.87	1.19
5.883	1.58	11.883	120.91	17.883	1.78	23.88	1.19
5.900	1.58	11.900	120.91	17.900	1.78	23.90	1.19
5.917	1.58	11.917	120.91	17.917	1.78	23.92	1.19
5.933	1.58	11.933	120.91	17.933	1.78	23.93	1.19
5.950	1.58	11.950	120.91	17.950	1.78	23.95	1.19
5.967	1.58	11.967	120.91	17.967	1.78	23.97	1.19
5.983	1.58	11.983	120.91	17.983	1.78	23.98	1.19
6.000	1.58	12.000	120.91	18.000	1.78	24.00	1.19

Max.Eff.Inten.(mm/hr)= 120.91 40.88
over (min) 5.00 13.00
Storage Coeff. (min)= 2.21 (ii) 12.30 (ii)
Unit Hyd. Tpeak (min)= 5.00 13.00
Unit Hyd. peak (cms)= 0.36 0.09

TOTALS

PEAK FLOW (cms)= 0.09 0.06 0.137 (iii)
TIME TO PEAK (hrs)= 12.00 12.12 12.02
RUNOFF VOLUME (mm)= 96.77 28.56 43.56
TOTAL RAINFALL (mm)= 98.78 98.78 98.78
RUNOFF COEFFICIENT = 0.98 0.29 0.44

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0203)
ID= 1 DT= 1.0 min
Area (ha)= 17.16
Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.21	9.95
Dep. Storage	(mm)=	2.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	267.45	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.09	6.017	1.78	12.017	14.30	18.02	1.78
0.033	1.09	6.033	1.78	12.033	14.22	18.03	1.78
0.050	1.09	6.050	1.78	12.050	14.22	18.05	1.78
0.067	1.09	6.067	1.78	12.067	14.22	18.07	1.78
0.083	1.09	6.083	1.78	12.083	14.22	18.08	1.78
0.100	1.09	6.100	1.78	12.100	14.22	18.10	1.78
0.117	1.09	6.117	1.78	12.117	14.22	18.12	1.78
0.133	1.09	6.133	1.78	12.133	14.22	18.13	1.78
0.150	1.09	6.150	1.78	12.150	14.22	18.15	1.78
0.167	1.09	6.167	1.78	12.167	14.22	18.17	1.78
0.183	1.09	6.183	1.78	12.183	14.22	18.18	1.78
0.200	1.09	6.200	1.78	12.200	14.22	18.20	1.78
0.217	1.09	6.217	1.78	12.217	14.22	18.22	1.78
0.233	1.09	6.233	1.78	12.233	14.22	18.23	1.78
0.250	1.09	6.250	1.78	12.250	14.22	18.25	1.78
0.267	1.09	6.267	1.78	12.267	14.22	18.27	1.78
0.283	1.09	6.283	1.78	12.283	14.22	18.28	1.78
0.300	1.09	6.300	1.78	12.300	14.22	18.30	1.78
0.317	1.09	6.317	1.78	12.317	14.22	18.32	1.78
0.333	1.09	6.333	1.78	12.333	14.22	18.33	1.78
0.350	1.09	6.350	1.78	12.350	14.22	18.35	1.78
0.367	1.09	6.367	1.78	12.367	14.22	18.37	1.78
0.383	1.09	6.383	1.78	12.383	14.22	18.38	1.78
0.400	1.09	6.400	1.78	12.400	14.22	18.40	1.78
0.417	1.09	6.417	1.78	12.417	14.22	18.42	1.78
0.433	1.09	6.433	1.78	12.433	14.22	18.43	1.78
0.450	1.09	6.450	1.78	12.450	14.22	18.45	1.78
0.467	1.09	6.467	1.78	12.467	14.22	18.47	1.78
0.483	1.09	6.483	1.78	12.483	14.22	18.48	1.78
0.500	1.09	6.500	1.78	12.500	14.22	18.50	1.78
0.517	1.09	6.517	1.78	12.517	7.32	18.52	1.78
0.533	1.09	6.533	1.78	12.533	7.31	18.53	1.78
0.550	1.09	6.550	1.78	12.550	7.31	18.55	1.78
0.567	1.09	6.567	1.78	12.567	7.31	18.57	1.78
0.583	1.09	6.583	1.78	12.583	7.31	18.58	1.78
0.600	1.09	6.600	1.78	12.600	7.31	18.60	1.78

0.617	1.09	6.617	1.78	12.617	7.31	18.62	1.78
0.633	1.09	6.633	1.78	12.633	7.31	18.63	1.78
0.650	1.09	6.650	1.78	12.650	7.31	18.65	1.78
0.667	1.09	6.667	1.78	12.667	7.31	18.67	1.78
0.683	1.09	6.683	1.78	12.683	7.31	18.68	1.78
0.700	1.09	6.700	1.78	12.700	7.31	18.70	1.78
0.717	1.09	6.717	1.78	12.717	7.31	18.72	1.78
0.733	1.09	6.733	1.78	12.733	7.31	18.73	1.78
0.750	1.09	6.750	1.78	12.750	7.31	18.75	1.78
0.767	1.09	6.767	1.78	12.767	7.31	18.77	1.78
0.783	1.09	6.783	1.78	12.783	7.31	18.78	1.78
0.800	1.09	6.800	1.78	12.800	7.31	18.80	1.78
0.817	1.09	6.817	1.78	12.817	7.31	18.82	1.78
0.833	1.09	6.833	1.78	12.833	7.31	18.83	1.78
0.850	1.09	6.850	1.78	12.850	7.31	18.85	1.78
0.867	1.09	6.867	1.78	12.867	7.31	18.87	1.78
0.883	1.09	6.883	1.78	12.883	7.31	18.88	1.78
0.900	1.09	6.900	1.78	12.900	7.31	18.90	1.78
0.917	1.09	6.917	1.78	12.917	7.31	18.92	1.78
0.933	1.09	6.933	1.78	12.933	7.31	18.93	1.78
0.950	1.09	6.950	1.78	12.950	7.31	18.95	1.78
0.967	1.09	6.967	1.78	12.967	7.31	18.97	1.78
0.983	1.09	6.983	1.78	12.983	7.31	18.98	1.78
1.000	1.09	7.000	1.78	13.000	7.31	19.00	1.78
1.017	1.09	7.017	2.17	13.017	5.34	19.02	1.78
1.033	1.09	7.033	2.17	13.033	5.33	19.03	1.78
1.050	1.09	7.050	2.17	13.050	5.33	19.05	1.78
1.067	1.09	7.067	2.17	13.067	5.33	19.07	1.78
1.083	1.09	7.083	2.17	13.083	5.33	19.08	1.78
1.100	1.09	7.100	2.17	13.100	5.33	19.10	1.78
1.117	1.09	7.117	2.17	13.117	5.33	19.12	1.78
1.133	1.09	7.133	2.17	13.133	5.33	19.13	1.78
1.150	1.09	7.150	2.17	13.150	5.33	19.15	1.78
1.167	1.09	7.167	2.17	13.167	5.33	19.17	1.78
1.183	1.09	7.183	2.17	13.183	5.33	19.18	1.78
1.200	1.09	7.200	2.17	13.200	5.33	19.20	1.78
1.217	1.09	7.217	2.17	13.217	5.33	19.22	1.78
1.233	1.09	7.233	2.17	13.233	5.33	19.23	1.78
1.250	1.09	7.250	2.17	13.250	5.33	19.25	1.78
1.267	1.09	7.267	2.17	13.267	5.33	19.27	1.78
1.283	1.09	7.283	2.17	13.283	5.33	19.28	1.78
1.300	1.09	7.300	2.17	13.300	5.33	19.30	1.78
1.317	1.09	7.317	2.17	13.317	5.33	19.32	1.78
1.333	1.09	7.333	2.17	13.333	5.33	19.33	1.78
1.350	1.09	7.350	2.17	13.350	5.33	19.35	1.78
1.367	1.09	7.367	2.17	13.367	5.33	19.37	1.78
1.383	1.09	7.383	2.17	13.383	5.33	19.38	1.78
1.400	1.09	7.400	2.17	13.400	5.33	19.40	1.78
1.417	1.09	7.417	2.17	13.417	5.33	19.42	1.78
1.433	1.09	7.433	2.17	13.433	5.33	19.43	1.78
1.450	1.09	7.450	2.17	13.450	5.33	19.45	1.78
1.467	1.09	7.467	2.17	13.467	5.33	19.47	1.78
1.483	1.09	7.483	2.17	13.483	5.33	19.48	1.78
1.500	1.09	7.500	2.17	13.500	5.33	19.50	1.78
1.517	1.09	7.517	2.17	13.517	4.15	19.52	1.78
1.533	1.09	7.533	2.17	13.533	4.15	19.53	1.78
1.550	1.09	7.550	2.17	13.550	4.15	19.55	1.78
1.567	1.09	7.567	2.17	13.567	4.15	19.57	1.78
1.583	1.09	7.583	2.17	13.583	4.15	19.58	1.78
1.600	1.09	7.600	2.17	13.600	4.15	19.60	1.78
1.617	1.09	7.617	2.17	13.617	4.15	19.62	1.78
1.633	1.09	7.633	2.17	13.633	4.15	19.63	1.78
1.650	1.09	7.650	2.17	13.650	4.15	19.65	1.78
1.667	1.09	7.667	2.17	13.667	4.15	19.67	1.78
1.683	1.09	7.683	2.17	13.683	4.15	19.68	1.78
1.700	1.09	7.700	2.17	13.700	4.15	19.70	1.78
1.717	1.09	7.717	2.17	13.717	4.15	19.72	1.78
1.733	1.09	7.733	2.17	13.733	4.15	19.73	1.78
1.750	1.09	7.750	2.17	13.750	4.15	19.75	1.78
1.767	1.09	7.767	2.17	13.767	4.15	19.77	1.78
1.783	1.09	7.783	2.17	13.783	4.15	19.78	1.78
1.800	1.09	7.800	2.17	13.800	4.15	19.80	1.78
1.817	1.09	7.817	2.17	13.817	4.15	19.82	1.78
1.833	1.09	7.833	2.17	13.833	4.15	19.83	1.78
1.850	1.09	7.850	2.17	13.850	4.15	19.85	1.78
1.867	1.09	7.867	2.17	13.867	4.15	19.87	1.78
1.883	1.09	7.883	2.17	13.883	4.15	19.88	1.78
1.900	1.09	7.900	2.17	13.900	4.15	19.90	1.78
1.917	1.09	7.917	2.17	13.917	4.15	19.92	1.78
1.933	1.09	7.933	2.17	13.933	4.15	19.93	1.78
1.950	1.09	7.950	2.17	13.950	4.15	19.95	1.78
1.967	1.09	7.967	2.17	13.967	4.15	19.97	1.78
1.983	1.09	7.983	2.17	13.983	4.15	19.98	1.78
2.000	1.09	8.000	2.17	14.000	4.15	20.00	1.78

2.017	1.28	8.017	2.57	14.017	2.97	20.02	1.19
2.033	1.28	8.033	2.57	14.033	2.96	20.03	1.19
2.050	1.28	8.050	2.57	14.050	2.96	20.05	1.19
2.067	1.28	8.067	2.57	14.067	2.96	20.07	1.19
2.083	1.28	8.083	2.57	14.083	2.96	20.08	1.19
2.100	1.28	8.100	2.57	14.100	2.96	20.10	1.19
2.117	1.28	8.117	2.57	14.117	2.96	20.12	1.19
2.133	1.28	8.133	2.57	14.133	2.96	20.13	1.19
2.150	1.28	8.150	2.57	14.150	2.96	20.15	1.19
2.167	1.28	8.167	2.57	14.167	2.96	20.17	1.19
2.183	1.28	8.183	2.57	14.183	2.96	20.18	1.19
2.200	1.28	8.200	2.57	14.200	2.96	20.20	1.19
2.217	1.28	8.217	2.57	14.217	2.96	20.22	1.19
2.233	1.28	8.233	2.57	14.233	2.96	20.23	1.19
2.250	1.28	8.250	2.57	14.250	2.96	20.25	1.19
2.267	1.28	8.267	2.57	14.267	2.96	20.27	1.19
2.283	1.28	8.283	2.57	14.283	2.96	20.28	1.19
2.300	1.28	8.300	2.57	14.300	2.96	20.30	1.19
2.317	1.28	8.317	2.57	14.317	2.96	20.32	1.19
2.333	1.28	8.333	2.57	14.333	2.96	20.33	1.19
2.350	1.28	8.350	2.57	14.350	2.96	20.35	1.19
2.367	1.28	8.367	2.57	14.367	2.96	20.37	1.19
2.383	1.28	8.383	2.57	14.383	2.96	20.38	1.19
2.400	1.28	8.400	2.57	14.400	2.96	20.40	1.19
2.417	1.28	8.417	2.57	14.417	2.96	20.42	1.19
2.433	1.28	8.433	2.57	14.433	2.96	20.43	1.19
2.450	1.28	8.450	2.57	14.450	2.96	20.45	1.19
2.467	1.28	8.467	2.57	14.467	2.96	20.47	1.19
2.483	1.28	8.483	2.57	14.483	2.96	20.48	1.19
2.500	1.28	8.500	2.57	14.500	2.96	20.50	1.19
2.517	1.28	8.517	2.77	14.517	2.96	20.52	1.19
2.533	1.28	8.533	2.77	14.533	2.96	20.53	1.19
2.550	1.28	8.550	2.77	14.550	2.96	20.55	1.19
2.567	1.28	8.567	2.77	14.567	2.96	20.57	1.19
2.583	1.28	8.583	2.77	14.583	2.96	20.58	1.19
2.600	1.28	8.600	2.77	14.600	2.96	20.60	1.19
2.617	1.28	8.617	2.77	14.617	2.96	20.62	1.19
2.633	1.28	8.633	2.77	14.633	2.96	20.63	1.19
2.650	1.28	8.650	2.77	14.650	2.96	20.65	1.19
2.667	1.28	8.667	2.77	14.667	2.96	20.67	1.19
2.683	1.28	8.683	2.77	14.683	2.96	20.68	1.19
2.700	1.28	8.700	2.77	14.700	2.96	20.70	1.19
2.717	1.28	8.717	2.77	14.717	2.96	20.72	1.19
2.733	1.28	8.733	2.77	14.733	2.96	20.73	1.19
2.750	1.28	8.750	2.77	14.750	2.96	20.75	1.19
2.767	1.28	8.767	2.77	14.767	2.96	20.77	1.19
2.783	1.28	8.783	2.77	14.783	2.96	20.78	1.19
2.800	1.28	8.800	2.77	14.800	2.96	20.80	1.19
2.817	1.28	8.817	2.77	14.817	2.96	20.82	1.19
2.833	1.28	8.833	2.77	14.833	2.96	20.83	1.19
2.850	1.28	8.850	2.77	14.850	2.96	20.85	1.19
2.867	1.28	8.867	2.77	14.867	2.96	20.87	1.19
2.883	1.28	8.883	2.77	14.883	2.96	20.88	1.19
2.900	1.28	8.900	2.77	14.900	2.96	20.90	1.19
2.917	1.28	8.917	2.77	14.917	2.96	20.92	1.19
2.933	1.28	8.933	2.77	14.933	2.96	20.93	1.19
2.950	1.28	8.950	2.77	14.950	2.96	20.95	1.19
2.967	1.28	8.967	2.77	14.967	2.96	20.97	1.19
2.983	1.28	8.983	2.77	14.983	2.96	20.98	1.19
3.000	1.28	9.000	2.77	15.000	2.96	21.00	1.19
3.017	1.28	9.017	3.16	15.017	2.96	21.02	1.19
3.033	1.28	9.033	3.16	15.033	2.96	21.03	1.19
3.050	1.28	9.050	3.16	15.050	2.96	21.05	1.19
3.067	1.28	9.067	3.16	15.067	2.96	21.07	1.19
3.083	1.28	9.083	3.16	15.083	2.96	21.08	1.19
3.100	1.28	9.100	3.16	15.100	2.96	21.10	1.19
3.117	1.28	9.117	3.16	15.117	2.96	21.12	1.19
3.133	1.28	9.133	3.16	15.133	2.96	21.13	1.19
3.150	1.28	9.150	3.16	15.150	2.96	21.15	1.19
3.167	1.28	9.167	3.16	15.167	2.96	21.17	1.19
3.183	1.28	9.183	3.16	15.183	2.96	21.18	1.19
3.200	1.28	9.200	3.16	15.200	2.96	21.20	1.19
3.217	1.28	9.217	3.16	15.217	2.96	21.22	1.19
3.233	1.28	9.233	3.16	15.233	2.96	21.23	1.19
3.250	1.28	9.250	3.16	15.250	2.96	21.25	1.19
3.267	1.28	9.267	3.16	15.267	2.96	21.27	1.19
3.283	1.28	9.283	3.16	15.283	2.96	21.28	1.19
3.300	1.28	9.300	3.16	15.300	2.96	21.30	1.19
3.317	1.28	9.317	3.16	15.317	2.96	21.32	1.19
3.333	1.28	9.333	3.16	15.333	2.96	21.33	1.19
3.350	1.28	9.350	3.16	15.350	2.96	21.35	1.19
3.367	1.28	9.367	3.16	15.367	2.96	21.37	1.19
3.383	1.28	9.383	3.16	15.383	2.96	21.38	1.19
3.400	1.28	9.400	3.16	15.400	2.96	21.40	1.19

3.417	1.28	9.417	3.16	15.417	2.96	21.42	1.19
3.433	1.28	9.433	3.16	15.433	2.96	21.43	1.19
3.450	1.28	9.450	3.16	15.450	2.96	21.45	1.19
3.467	1.28	9.467	3.16	15.467	2.96	21.47	1.19
3.483	1.28	9.483	3.16	15.483	2.96	21.48	1.19
3.500	1.28	9.500	3.16	15.500	2.96	21.50	1.19
3.517	1.28	9.517	3.56	15.517	2.96	21.52	1.19
3.533	1.28	9.533	3.56	15.533	2.96	21.53	1.19
3.550	1.28	9.550	3.56	15.550	2.96	21.55	1.19
3.567	1.28	9.567	3.56	15.567	2.96	21.57	1.19
3.583	1.28	9.583	3.56	15.583	2.96	21.58	1.19
3.600	1.28	9.600	3.56	15.600	2.96	21.60	1.19
3.617	1.28	9.617	3.56	15.617	2.96	21.62	1.19
3.633	1.28	9.633	3.56	15.633	2.96	21.63	1.19
3.650	1.28	9.650	3.56	15.650	2.96	21.65	1.19
3.667	1.28	9.667	3.56	15.667	2.96	21.67	1.19
3.683	1.28	9.683	3.56	15.683	2.96	21.68	1.19
3.700	1.28	9.700	3.56	15.700	2.96	21.70	1.19
3.717	1.28	9.717	3.56	15.717	2.96	21.72	1.19
3.733	1.28	9.733	3.56	15.733	2.96	21.73	1.19
3.750	1.28	9.750	3.56	15.750	2.96	21.75	1.19
3.767	1.28	9.767	3.56	15.767	2.96	21.77	1.19
3.783	1.28	9.783	3.56	15.783	2.96	21.78	1.19
3.800	1.28	9.800	3.56	15.800	2.96	21.80	1.19
3.817	1.28	9.817	3.56	15.817	2.96	21.82	1.19
3.833	1.28	9.833	3.56	15.833	2.96	21.83	1.19
3.850	1.28	9.850	3.56	15.850	2.96	21.85	1.19
3.867	1.28	9.867	3.56	15.867	2.96	21.87	1.19
3.883	1.28	9.883	3.56	15.883	2.96	21.88	1.19
3.900	1.28	9.900	3.56	15.900	2.96	21.90	1.19
3.917	1.28	9.917	3.56	15.917	2.96	21.92	1.19
3.933	1.28	9.933	3.56	15.933	2.96	21.93	1.19
3.950	1.28	9.950	3.56	15.950	2.96	21.95	1.19
3.967	1.28	9.967	3.56	15.967	2.96	21.97	1.19
3.983	1.28	9.983	3.56	15.983	2.96	21.98	1.19
4.000	1.28	10.000	3.56	16.000	2.96	22.00	1.19
4.017	1.58	10.017	4.54	16.017	1.78	22.02	1.19
4.033	1.58	10.033	4.54	16.033	1.78	22.03	1.19
4.050	1.58	10.050	4.54	16.050	1.78	22.05	1.19
4.067	1.58	10.067	4.54	16.067	1.78	22.07	1.19
4.083	1.58	10.083	4.54	16.083	1.78	22.08	1.19
4.100	1.58	10.100	4.54	16.100	1.78	22.10	1.19
4.117	1.58	10.117	4.54	16.117	1.78	22.12	1.19
4.133	1.58	10.133	4.54	16.133	1.78	22.13	1.19
4.150	1.58	10.150	4.54	16.150	1.78	22.15	1.19
4.167	1.58	10.167	4.54	16.167	1.78	22.17	1.19
4.183	1.58	10.183	4.54	16.183	1.78	22.18	1.19
4.200	1.58	10.200	4.54	16.200	1.78	22.20	1.19
4.217	1.58	10.217	4.54	16.217	1.78	22.22	1.19
4.233	1.58	10.233	4.54	16.233	1.78	22.23	1.19
4.250	1.58	10.250	4.54	16.250	1.78	22.25	1.19
4.267	1.58	10.267	4.54	16.267	1.78	22.27	1.19
4.283	1.58	10.283	4.54	16.283	1.78	22.28	1.19
4.300	1.58	10.300	4.54	16.300	1.78	22.30	1.19
4.317	1.58	10.317	4.54	16.317	1.78	22.32	1.19
4.333	1.58	10.333	4.54	16.333	1.78	22.33	1.19
4.350	1.58	10.350	4.54	16.350	1.78	22.35	1.19
4.367	1.58	10.367	4.54	16.367	1.78	22.37	1.19
4.383	1.58	10.383	4.54	16.383	1.78	22.38	1.19
4.400	1.58	10.400	4.54	16.400	1.78	22.40	1.19
4.417	1.58	10.417	4.54	16.417	1.78	22.42	1.19
4.433	1.58	10.433	4.54	16.433	1.78	22.43	1.19
4.450	1.58	10.450	4.54	16.450	1.78	22.45	1.19
4.467	1.58	10.467	4.54	16.467	1.78	22.47	1.19
4.483	1.58	10.483	4.54	16.483	1.78	22.48	1.19
4.500	1.58	10.500	4.54	16.500	1.78	22.50	1.19
4.517	1.58	10.517	6.12	16.517	1.78	22.52	1.19
4.533	1.58	10.533	6.12	16.533	1.78	22.53	1.19
4.550	1.58	10.550	6.12	16.550	1.78	22.55	1.19
4.567	1.58	10.567	6.12	16.567	1.78	22.57	1.19
4.583	1.58	10.583	6.12	16.583	1.78	22.58	1.19
4.600	1.58	10.600	6.12	16.600	1.78	22.60	1.19
4.617	1.58	10.617	6.12	16.617	1.78	22.62	1.19
4.633	1.58	10.633	6.12	16.633	1.78	22.63	1.19
4.650	1.58	10.650	6.12	16.650	1.78	22.65	1.19
4.667	1.58	10.667	6.12	16.667	1.78	22.67	1.19
4.683	1.58	10.683	6.12	16.683	1.78	22.68	1.19
4.700	1.58	10.700	6.12	16.700	1.78	22.70	1.19
4.717	1.58	10.717	6.12	16.717	1.78	22.72	1.19
4.733	1.58	10.733	6.12	16.733	1.78	22.73	1.19
4.750	1.58	10.750	6.12	16.750	1.78	22.75	1.19
4.767	1.58	10.767	6.12	16.767	1.78	22.77	1.19
4.783	1.58	10.783	6.12	16.783	1.78	22.78	1.19
4.800	1.58	10.800	6.12	16.800	1.78	22.80	1.19

4.817	1.58	10.817	6.12	16.817	1.78	22.82	1.19
4.833	1.58	10.833	6.12	16.833	1.78	22.83	1.19
4.850	1.58	10.850	6.12	16.850	1.78	22.85	1.19
4.867	1.58	10.867	6.12	16.867	1.78	22.87	1.19
4.883	1.58	10.883	6.12	16.883	1.78	22.88	1.19
4.900	1.58	10.900	6.12	16.900	1.78	22.90	1.19
4.917	1.58	10.917	6.12	16.917	1.78	22.92	1.19
4.933	1.58	10.933	6.12	16.933	1.78	22.93	1.19
4.950	1.58	10.950	6.12	16.950	1.78	22.95	1.19
4.967	1.58	10.967	6.12	16.967	1.78	22.97	1.19
4.983	1.58	10.983	6.12	16.983	1.78	22.98	1.19
5.000	1.58	11.000	6.13	17.000	1.78	23.00	1.19
5.017	1.58	11.017	9.48	17.017	1.78	23.02	1.19
5.033	1.58	11.033	9.48	17.033	1.78	23.03	1.19
5.050	1.58	11.050	9.48	17.050	1.78	23.05	1.19
5.067	1.58	11.067	9.48	17.067	1.78	23.07	1.19
5.083	1.58	11.083	9.48	17.083	1.78	23.08	1.19
5.100	1.58	11.100	9.48	17.100	1.78	23.10	1.19
5.117	1.58	11.117	9.48	17.117	1.78	23.12	1.19
5.133	1.58	11.133	9.48	17.133	1.78	23.13	1.19
5.150	1.58	11.150	9.48	17.150	1.78	23.15	1.19
5.167	1.58	11.167	9.48	17.167	1.78	23.17	1.19
5.183	1.58	11.183	9.48	17.183	1.78	23.18	1.19
5.200	1.58	11.200	9.48	17.200	1.78	23.20	1.19
5.217	1.58	11.217	9.48	17.217	1.78	23.22	1.19
5.233	1.58	11.233	9.48	17.233	1.78	23.23	1.19
5.250	1.58	11.250	9.48	17.250	1.78	23.25	1.19
5.267	1.58	11.267	9.48	17.267	1.78	23.27	1.19
5.283	1.58	11.283	9.48	17.283	1.78	23.28	1.19
5.300	1.58	11.300	9.48	17.300	1.78	23.30	1.19
5.317	1.58	11.317	9.48	17.317	1.78	23.32	1.19
5.333	1.58	11.333	9.48	17.333	1.78	23.33	1.19
5.350	1.58	11.350	9.48	17.350	1.78	23.35	1.19
5.367	1.58	11.367	9.48	17.367	1.78	23.37	1.19
5.383	1.58	11.383	9.48	17.383	1.78	23.38	1.19
5.400	1.58	11.400	9.48	17.400	1.78	23.40	1.19
5.417	1.58	11.417	9.48	17.417	1.78	23.42	1.19
5.433	1.58	11.433	9.48	17.433	1.78	23.43	1.19
5.450	1.58	11.450	9.48	17.450	1.78	23.45	1.19
5.467	1.58	11.467	9.48	17.467	1.78	23.47	1.19
5.483	1.58	11.483	9.48	17.483	1.78	23.48	1.19
5.500	1.58	11.500	9.48	17.500	1.78	23.50	1.19
5.517	1.58	11.517	29.23	17.517	1.78	23.52	1.19
5.533	1.58	11.533	29.24	17.533	1.78	23.53	1.19
5.550	1.58	11.550	29.24	17.550	1.78	23.55	1.19
5.567	1.58	11.567	29.24	17.567	1.78	23.57	1.19
5.583	1.58	11.583	29.24	17.583	1.78	23.58	1.19
5.600	1.58	11.600	29.24	17.600	1.78	23.60	1.19
5.617	1.58	11.617	29.24	17.617	1.78	23.62	1.19
5.633	1.58	11.633	29.24	17.633	1.78	23.63	1.19
5.650	1.58	11.650	29.24	17.650	1.78	23.65	1.19
5.667	1.58	11.667	29.24	17.667	1.78	23.67	1.19
5.683	1.58	11.683	29.24	17.683	1.78	23.68	1.19
5.700	1.58	11.700	29.24	17.700	1.78	23.70	1.19
5.717	1.58	11.717	29.24	17.717	1.78	23.72	1.19
5.733	1.58	11.733	29.24	17.733	1.78	23.73	1.19
5.750	1.58	11.750	29.24	17.750	1.78	23.75	1.19
5.767	1.58	11.767	120.86	17.767	1.78	23.77	1.19
5.783	1.58	11.783	120.91	17.783	1.78	23.78	1.19
5.800	1.58	11.800	120.91	17.800	1.78	23.80	1.19
5.817	1.58	11.817	120.91	17.817	1.78	23.82	1.19
5.833	1.58	11.833	120.91	17.833	1.78	23.83	1.19
5.850	1.58	11.850	120.91	17.850	1.78	23.85	1.19
5.867	1.58	11.867	120.91	17.867	1.78	23.87	1.19
5.883	1.58	11.883	120.91	17.883	1.78	23.88	1.19
5.900	1.58	11.900	120.91	17.900	1.78	23.90	1.19
5.917	1.58	11.917	120.91	17.917	1.78	23.92	1.19
5.933	1.58	11.933	120.91	17.933	1.78	23.93	1.19
5.950	1.58	11.950	120.91	17.950	1.78	23.95	1.19
5.967	1.58	11.967	120.91	17.967	1.78	23.97	1.19
5.983	1.58	11.983	120.91	17.983	1.78	23.98	1.19
6.000	1.58	12.000	120.91	18.000	1.78	24.00	1.19

Max.Eff.Inten.(mm/hr)= 120.91 57.52
 over (min) 5.00 13.00
 Storage Coeff. (min)= 4.27 (ii) 12.79 (ii)
 Unit Hyd. Tpeak (min)= 5.00 13.00
 Unit Hyd. peak (cms)= 0.25 0.09

TOTALS
 2.412 (iii)
 PEAK FLOW (cms)= 1.66 0.94
 TIME TO PEAK (hrs)= 12.00 12.12 12.02
 RUNOFF VOLUME (mm)= 96.77 32.69 51.92
 TOTAL RAINFALL (mm)= 98.78 98.78 98.78
 RUNOFF COEFFICIENT = 0.98 0.33 0.53

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
 (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
 (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)					
1 + 2 = 3					
		AREA	QPEAK	TPEAK	R.V.
		(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0012):	1.18	0.137	12.02	43.56	
+ ID2= 2 (0203):	17.16	2.412	12.02	51.92	
=====					
ID = 3 (0082):	18.34	2.549	12.02	51.38	

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)		OVERFLOW IS OFF			
IN= 2---> OUT= 1					
DT= 5.0 min					
		OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
		0.0000	0.0000	0.0940	0.3600
		0.0120	0.2100	0.1210	0.4000
		0.0550	0.2600	0.1500	0.4500
		0.0620	0.3000	0.3000	0.7210
		AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0082)		18.340	2.549	12.02	51.38
OUTFLOW: ID= 1 (0002)		18.340	0.215	13.18	40.30
PEAK FLOW REDUCTION [Qout/Qin](%)=		8.43			
TIME SHIFT OF PEAK FLOW (min)=		70.00			
MAXIMUM STORAGE USED (ha.m.)=		0.5673			

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)					
1 + 2 = 3					
	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)	
ID1= 1 (0017):	31.32	1.500	12.32	33.41	
+ ID2= 2 (0002):	18.34	0.215	13.18	40.30	
=====					
ID = 3 (0089):	49.66	1.678	12.33	35.95	

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:4.5 SCS II 24hr 50yr **

CALIB					
NASHYD (0087)		Area (ha)= 15.86		Curve Number (CN)= 62.0	
ID= 1 DT= 1.0 min		Ia (mm)= 4.60		# of Linear Res.(N)= 3.00	
-----		U.H. Tp(hrs)= 0.40			

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.20	6.017	1.97	12.017	15.83	18.02	1.97
0.033	1.20	6.033	1.97	12.033	15.75	18.03	1.97
0.050	1.20	6.050	1.97	12.050	15.75	18.05	1.97
0.067	1.20	6.067	1.97	12.067	15.75	18.07	1.97
0.083	1.20	6.083	1.97	12.083	15.75	18.08	1.97
0.100	1.20	6.100	1.97	12.100	15.75	18.10	1.97
0.117	1.20	6.117	1.97	12.117	15.75	18.12	1.97
0.133	1.20	6.133	1.97	12.133	15.75	18.13	1.97
0.150	1.20	6.150	1.97	12.150	15.75	18.15	1.97
0.167	1.20	6.167	1.97	12.167	15.75	18.17	1.97
0.183	1.20	6.183	1.97	12.183	15.75	18.18	1.97
0.200	1.20	6.200	1.97	12.200	15.75	18.20	1.97
0.217	1.20	6.217	1.97	12.217	15.75	18.22	1.97
0.233	1.20	6.233	1.97	12.233	15.75	18.23	1.97
0.250	1.20	6.250	1.97	12.250	15.75	18.25	1.97

0.267	1.20	6.267	1.97	12.267	15.75	18.27	1.97
0.283	1.20	6.283	1.97	12.283	15.75	18.28	1.97
0.300	1.20	6.300	1.97	12.300	15.75	18.30	1.97
0.317	1.20	6.317	1.97	12.317	15.75	18.32	1.97
0.333	1.20	6.333	1.97	12.333	15.75	18.33	1.97
0.350	1.20	6.350	1.97	12.350	15.75	18.35	1.97
0.367	1.20	6.367	1.97	12.367	15.75	18.37	1.97
0.383	1.20	6.383	1.97	12.383	15.75	18.38	1.97
0.400	1.20	6.400	1.97	12.400	15.75	18.40	1.97
0.417	1.20	6.417	1.97	12.417	15.75	18.42	1.97
0.433	1.20	6.433	1.97	12.433	15.75	18.43	1.97
0.450	1.20	6.450	1.97	12.450	15.75	18.45	1.97
0.467	1.20	6.467	1.97	12.467	15.75	18.47	1.97
0.483	1.20	6.483	1.97	12.483	15.75	18.48	1.97
0.500	1.20	6.500	1.97	12.500	15.75	18.50	1.97
0.517	1.20	6.517	1.97	12.517	8.10	18.52	1.97
0.533	1.20	6.533	1.97	12.533	8.09	18.53	1.97
0.550	1.20	6.550	1.97	12.550	8.09	18.55	1.97
0.567	1.20	6.567	1.97	12.567	8.09	18.57	1.97
0.583	1.20	6.583	1.97	12.583	8.09	18.58	1.97
0.600	1.20	6.600	1.97	12.600	8.09	18.60	1.97
0.617	1.20	6.617	1.97	12.617	8.09	18.62	1.97
0.633	1.20	6.633	1.97	12.633	8.09	18.63	1.97
0.650	1.20	6.650	1.97	12.650	8.09	18.65	1.97
0.667	1.20	6.667	1.97	12.667	8.09	18.67	1.97
0.683	1.20	6.683	1.97	12.683	8.09	18.68	1.97
0.700	1.20	6.700	1.97	12.700	8.09	18.70	1.97
0.717	1.20	6.717	1.97	12.717	8.09	18.72	1.97
0.733	1.20	6.733	1.97	12.733	8.09	18.73	1.97
0.750	1.20	6.750	1.97	12.750	8.09	18.75	1.97
0.767	1.20	6.767	1.97	12.767	8.09	18.77	1.97
0.783	1.20	6.783	1.97	12.783	8.09	18.78	1.97
0.800	1.20	6.800	1.97	12.800	8.09	18.80	1.97
0.817	1.20	6.817	1.97	12.817	8.09	18.82	1.97
0.833	1.20	6.833	1.97	12.833	8.09	18.83	1.97
0.850	1.20	6.850	1.97	12.850	8.09	18.85	1.97
0.867	1.20	6.867	1.97	12.867	8.09	18.87	1.97
0.883	1.20	6.883	1.97	12.883	8.09	18.88	1.97
0.900	1.20	6.900	1.97	12.900	8.09	18.90	1.97
0.917	1.20	6.917	1.97	12.917	8.09	18.92	1.97
0.933	1.20	6.933	1.97	12.933	8.09	18.93	1.97
0.950	1.20	6.950	1.97	12.950	8.09	18.95	1.97
0.967	1.20	6.967	1.97	12.967	8.09	18.97	1.97
0.983	1.20	6.983	1.97	12.983	8.09	18.98	1.97
1.000	1.20	7.000	1.97	13.000	8.09	19.00	1.97
1.017	1.20	7.017	2.41	13.017	5.91	19.02	1.97
1.033	1.20	7.033	2.41	13.033	5.90	19.03	1.97
1.050	1.20	7.050	2.41	13.050	5.90	19.05	1.97
1.067	1.20	7.067	2.41	13.067	5.90	19.07	1.97
1.083	1.20	7.083	2.41	13.083	5.90	19.08	1.97
1.100	1.20	7.100	2.41	13.100	5.90	19.10	1.97
1.117	1.20	7.117	2.41	13.117	5.90	19.12	1.97
1.133	1.20	7.133	2.41	13.133	5.90	19.13	1.97
1.150	1.20	7.150	2.41	13.150	5.90	19.15	1.97
1.167	1.20	7.167	2.41	13.167	5.90	19.17	1.97
1.183	1.20	7.183	2.41	13.183	5.90	19.18	1.97
1.200	1.20	7.200	2.41	13.200	5.90	19.20	1.97
1.217	1.20	7.217	2.41	13.217	5.90	19.22	1.97
1.233	1.20	7.233	2.41	13.233	5.90	19.23	1.97
1.250	1.20	7.250	2.41	13.250	5.90	19.25	1.97
1.267	1.20	7.267	2.41	13.267	5.90	19.27	1.97
1.283	1.20	7.283	2.41	13.283	5.90	19.28	1.97
1.300	1.20	7.300	2.41	13.300	5.90	19.30	1.97
1.317	1.20	7.317	2.41	13.317	5.90	19.32	1.97
1.333	1.20	7.333	2.41	13.333	5.90	19.33	1.97
1.350	1.20	7.350	2.41	13.350	5.90	19.35	1.97
1.367	1.20	7.367	2.41	13.367	5.90	19.37	1.97
1.383	1.20	7.383	2.41	13.383	5.90	19.38	1.97
1.400	1.20	7.400	2.41	13.400	5.90	19.40	1.97
1.417	1.20	7.417	2.41	13.417	5.90	19.42	1.97
1.433	1.20	7.433	2.41	13.433	5.90	19.43	1.97
1.450	1.20	7.450	2.41	13.450	5.90	19.45	1.97
1.467	1.20	7.467	2.41	13.467	5.90	19.47	1.97
1.483	1.20	7.483	2.41	13.483	5.90	19.48	1.97
1.500	1.20	7.500	2.41	13.500	5.90	19.50	1.97
1.517	1.20	7.517	2.41	13.517	4.60	19.52	1.97
1.533	1.20	7.533	2.41	13.533	4.59	19.53	1.97
1.550	1.20	7.550	2.41	13.550	4.59	19.55	1.97
1.567	1.20	7.567	2.41	13.567	4.59	19.57	1.97
1.583	1.20	7.583	2.41	13.583	4.59	19.58	1.97
1.600	1.20	7.600	2.41	13.600	4.59	19.60	1.97
1.617	1.20	7.617	2.41	13.617	4.59	19.62	1.97
1.633	1.20	7.633	2.41	13.633	4.59	19.63	1.97
1.650	1.20	7.650	2.41	13.650	4.59	19.65	1.97

1.667	1.20	7.667	2.41	13.667	4.59	19.67	1.97
1.683	1.20	7.683	2.41	13.683	4.59	19.68	1.97
1.700	1.20	7.700	2.41	13.700	4.59	19.70	1.97
1.717	1.20	7.717	2.41	13.717	4.59	19.72	1.97
1.733	1.20	7.733	2.41	13.733	4.59	19.73	1.97
1.750	1.20	7.750	2.41	13.750	4.59	19.75	1.97
1.767	1.20	7.767	2.41	13.767	4.59	19.77	1.97
1.783	1.20	7.783	2.41	13.783	4.59	19.78	1.97
1.800	1.20	7.800	2.41	13.800	4.59	19.80	1.97
1.817	1.20	7.817	2.41	13.817	4.59	19.82	1.97
1.833	1.20	7.833	2.41	13.833	4.59	19.83	1.97
1.850	1.20	7.850	2.41	13.850	4.59	19.85	1.97
1.867	1.20	7.867	2.41	13.867	4.59	19.87	1.97
1.883	1.20	7.883	2.41	13.883	4.59	19.88	1.97
1.900	1.20	7.900	2.41	13.900	4.59	19.90	1.97
1.917	1.20	7.917	2.41	13.917	4.59	19.92	1.97
1.933	1.20	7.933	2.41	13.933	4.59	19.93	1.97
1.950	1.20	7.950	2.41	13.950	4.59	19.95	1.97
1.967	1.20	7.967	2.41	13.967	4.59	19.97	1.97
1.983	1.20	7.983	2.41	13.983	4.59	19.98	1.97
2.000	1.20	8.000	2.41	14.000	4.59	20.00	1.97
2.017	1.42	8.017	2.84	14.017	3.28	20.02	1.32
2.033	1.42	8.033	2.84	14.033	3.28	20.03	1.31
2.050	1.42	8.050	2.84	14.050	3.28	20.05	1.31
2.067	1.42	8.067	2.84	14.067	3.28	20.07	1.31
2.083	1.42	8.083	2.84	14.083	3.28	20.08	1.31
2.100	1.42	8.100	2.84	14.100	3.28	20.10	1.31
2.117	1.42	8.117	2.84	14.117	3.28	20.12	1.31
2.133	1.42	8.133	2.84	14.133	3.28	20.13	1.31
2.150	1.42	8.150	2.84	14.150	3.28	20.15	1.31
2.167	1.42	8.167	2.84	14.167	3.28	20.17	1.31
2.183	1.42	8.183	2.84	14.183	3.28	20.18	1.31
2.200	1.42	8.200	2.84	14.200	3.28	20.20	1.31
2.217	1.42	8.217	2.84	14.217	3.28	20.22	1.31
2.233	1.42	8.233	2.84	14.233	3.28	20.23	1.31
2.250	1.42	8.250	2.84	14.250	3.28	20.25	1.31
2.267	1.42	8.267	2.84	14.267	3.28	20.27	1.31
2.283	1.42	8.283	2.84	14.283	3.28	20.28	1.31
2.300	1.42	8.300	2.84	14.300	3.28	20.30	1.31
2.317	1.42	8.317	2.84	14.317	3.28	20.32	1.31
2.333	1.42	8.333	2.84	14.333	3.28	20.33	1.31
2.350	1.42	8.350	2.84	14.350	3.28	20.35	1.31
2.367	1.42	8.367	2.84	14.367	3.28	20.37	1.31
2.383	1.42	8.383	2.84	14.383	3.28	20.38	1.31
2.400	1.42	8.400	2.84	14.400	3.28	20.40	1.31
2.417	1.42	8.417	2.84	14.417	3.28	20.42	1.31
2.433	1.42	8.433	2.84	14.433	3.28	20.43	1.31
2.450	1.42	8.450	2.84	14.450	3.28	20.45	1.31
2.467	1.42	8.467	2.84	14.467	3.28	20.47	1.31
2.483	1.42	8.483	2.84	14.483	3.28	20.48	1.31
2.500	1.42	8.500	2.84	14.500	3.28	20.50	1.31
2.517	1.42	8.517	3.06	14.517	3.28	20.52	1.31
2.533	1.42	8.533	3.06	14.533	3.28	20.53	1.31
2.550	1.42	8.550	3.06	14.550	3.28	20.55	1.31
2.567	1.42	8.567	3.06	14.567	3.28	20.57	1.31
2.583	1.42	8.583	3.06	14.583	3.28	20.58	1.31
2.600	1.42	8.600	3.06	14.600	3.28	20.60	1.31
2.617	1.42	8.617	3.06	14.617	3.28	20.62	1.31
2.633	1.42	8.633	3.06	14.633	3.28	20.63	1.31
2.650	1.42	8.650	3.06	14.650	3.28	20.65	1.31
2.667	1.42	8.667	3.06	14.667	3.28	20.67	1.31
2.683	1.42	8.683	3.06	14.683	3.28	20.68	1.31
2.700	1.42	8.700	3.06	14.700	3.28	20.70	1.31
2.717	1.42	8.717	3.06	14.717	3.28	20.72	1.31
2.733	1.42	8.733	3.06	14.733	3.28	20.73	1.31
2.750	1.42	8.750	3.06	14.750	3.28	20.75	1.31
2.767	1.42	8.767	3.06	14.767	3.28	20.77	1.31
2.783	1.42	8.783	3.06	14.783	3.28	20.78	1.31
2.800	1.42	8.800	3.06	14.800	3.28	20.80	1.31
2.817	1.42	8.817	3.06	14.817	3.28	20.82	1.31
2.833	1.42	8.833	3.06	14.833	3.28	20.83	1.31
2.850	1.42	8.850	3.06	14.850	3.28	20.85	1.31
2.867	1.42	8.867	3.06	14.867	3.28	20.87	1.31
2.883	1.42	8.883	3.06	14.883	3.28	20.88	1.31
2.900	1.42	8.900	3.06	14.900	3.28	20.90	1.31
2.917	1.42	8.917	3.06	14.917	3.28	20.92	1.31
2.933	1.42	8.933	3.06	14.933	3.28	20.93	1.31
2.950	1.42	8.950	3.06	14.950	3.28	20.95	1.31
2.967	1.42	8.967	3.06	14.967	3.28	20.97	1.31
2.983	1.42	8.983	3.06	14.983	3.28	20.98	1.31
3.000	1.42	9.000	3.06	15.000	3.28	21.00	1.31
3.017	1.42	9.017	3.50	15.017	3.28	21.02	1.31
3.033	1.42	9.033	3.50	15.033	3.28	21.03	1.31
3.050	1.42	9.050	3.50	15.050	3.28	21.05	1.31

3.067	1.42	9.067	3.50	15.067	3.28	21.07	1.31
3.083	1.42	9.083	3.50	15.083	3.28	21.08	1.31
3.100	1.42	9.100	3.50	15.100	3.28	21.10	1.31
3.117	1.42	9.117	3.50	15.117	3.28	21.12	1.31
3.133	1.42	9.133	3.50	15.133	3.28	21.13	1.31
3.150	1.42	9.150	3.50	15.150	3.28	21.15	1.31
3.167	1.42	9.167	3.50	15.167	3.28	21.17	1.31
3.183	1.42	9.183	3.50	15.183	3.28	21.18	1.31
3.200	1.42	9.200	3.50	15.200	3.28	21.20	1.31
3.217	1.42	9.217	3.50	15.217	3.28	21.22	1.31
3.233	1.42	9.233	3.50	15.233	3.28	21.23	1.31
3.250	1.42	9.250	3.50	15.250	3.28	21.25	1.31
3.267	1.42	9.267	3.50	15.267	3.28	21.27	1.31
3.283	1.42	9.283	3.50	15.283	3.28	21.28	1.31
3.300	1.42	9.300	3.50	15.300	3.28	21.30	1.31
3.317	1.42	9.317	3.50	15.317	3.28	21.32	1.31
3.333	1.42	9.333	3.50	15.333	3.28	21.33	1.31
3.350	1.42	9.350	3.50	15.350	3.28	21.35	1.31
3.367	1.42	9.367	3.50	15.367	3.28	21.37	1.31
3.383	1.42	9.383	3.50	15.383	3.28	21.38	1.31
3.400	1.42	9.400	3.50	15.400	3.28	21.40	1.31
3.417	1.42	9.417	3.50	15.417	3.28	21.42	1.31
3.433	1.42	9.433	3.50	15.433	3.28	21.43	1.31
3.450	1.42	9.450	3.50	15.450	3.28	21.45	1.31
3.467	1.42	9.467	3.50	15.467	3.28	21.47	1.31
3.483	1.42	9.483	3.50	15.483	3.28	21.48	1.31
3.500	1.42	9.500	3.50	15.500	3.28	21.50	1.31
3.517	1.42	9.517	3.94	15.517	3.28	21.52	1.31
3.533	1.42	9.533	3.94	15.533	3.28	21.53	1.31
3.550	1.42	9.550	3.94	15.550	3.28	21.55	1.31
3.567	1.42	9.567	3.94	15.567	3.28	21.57	1.31
3.583	1.42	9.583	3.94	15.583	3.28	21.58	1.31
3.600	1.42	9.600	3.94	15.600	3.28	21.60	1.31
3.617	1.42	9.617	3.94	15.617	3.28	21.62	1.31
3.633	1.42	9.633	3.94	15.633	3.28	21.63	1.31
3.650	1.42	9.650	3.94	15.650	3.28	21.65	1.31
3.667	1.42	9.667	3.94	15.667	3.28	21.67	1.31
3.683	1.42	9.683	3.94	15.683	3.28	21.68	1.31
3.700	1.42	9.700	3.94	15.700	3.28	21.70	1.31
3.717	1.42	9.717	3.94	15.717	3.28	21.72	1.31
3.733	1.42	9.733	3.94	15.733	3.28	21.73	1.31
3.750	1.42	9.750	3.94	15.750	3.28	21.75	1.31
3.767	1.42	9.767	3.94	15.767	3.28	21.77	1.31
3.783	1.42	9.783	3.94	15.783	3.28	21.78	1.31
3.800	1.42	9.800	3.94	15.800	3.28	21.80	1.31
3.817	1.42	9.817	3.94	15.817	3.28	21.82	1.31
3.833	1.42	9.833	3.94	15.833	3.28	21.83	1.31
3.850	1.42	9.850	3.94	15.850	3.28	21.85	1.31
3.867	1.42	9.867	3.94	15.867	3.28	21.87	1.31
3.883	1.42	9.883	3.94	15.883	3.28	21.88	1.31
3.900	1.42	9.900	3.94	15.900	3.28	21.90	1.31
3.917	1.42	9.917	3.94	15.917	3.28	21.92	1.31
3.933	1.42	9.933	3.94	15.933	3.28	21.93	1.31
3.950	1.42	9.950	3.94	15.950	3.28	21.95	1.31
3.967	1.42	9.967	3.94	15.967	3.28	21.97	1.31
3.983	1.42	9.983	3.94	15.983	3.28	21.98	1.31
4.000	1.42	10.000	3.94	16.000	3.28	22.00	1.31
4.017	1.75	10.017	5.03	16.017	1.97	22.02	1.31
4.033	1.75	10.033	5.03	16.033	1.97	22.03	1.31
4.050	1.75	10.050	5.03	16.050	1.97	22.05	1.31
4.067	1.75	10.067	5.03	16.067	1.97	22.07	1.31
4.083	1.75	10.083	5.03	16.083	1.97	22.08	1.31
4.100	1.75	10.100	5.03	16.100	1.97	22.10	1.31
4.117	1.75	10.117	5.03	16.117	1.97	22.12	1.31
4.133	1.75	10.133	5.03	16.133	1.97	22.13	1.31
4.150	1.75	10.150	5.03	16.150	1.97	22.15	1.31
4.167	1.75	10.167	5.03	16.167	1.97	22.17	1.31
4.183	1.75	10.183	5.03	16.183	1.97	22.18	1.31
4.200	1.75	10.200	5.03	16.200	1.97	22.20	1.31
4.217	1.75	10.217	5.03	16.217	1.97	22.22	1.31
4.233	1.75	10.233	5.03	16.233	1.97	22.23	1.31
4.250	1.75	10.250	5.03	16.250	1.97	22.25	1.31
4.267	1.75	10.267	5.03	16.267	1.97	22.27	1.31
4.283	1.75	10.283	5.03	16.283	1.97	22.28	1.31
4.300	1.75	10.300	5.03	16.300	1.97	22.30	1.31
4.317	1.75	10.317	5.03	16.317	1.97	22.32	1.31
4.333	1.75	10.333	5.03	16.333	1.97	22.33	1.31
4.350	1.75	10.350	5.03	16.350	1.97	22.35	1.31
4.367	1.75	10.367	5.03	16.367	1.97	22.37	1.31
4.383	1.75	10.383	5.03	16.383	1.97	22.38	1.31
4.400	1.75	10.400	5.03	16.400	1.97	22.40	1.31
4.417	1.75	10.417	5.03	16.417	1.97	22.42	1.31
4.433	1.75	10.433	5.03	16.433	1.97	22.43	1.31
4.450	1.75	10.450	5.03	16.450	1.97	22.45	1.31

4.467	1.75	10.467	5.03	16.467	1.97	22.47	1.31
4.483	1.75	10.483	5.03	16.483	1.97	22.48	1.31
4.500	1.75	10.500	5.03	16.500	1.97	22.50	1.31
4.517	1.75	10.517	6.78	16.517	1.97	22.52	1.31
4.533	1.75	10.533	6.78	16.533	1.97	22.53	1.31
4.550	1.75	10.550	6.78	16.550	1.97	22.55	1.31
4.567	1.75	10.567	6.78	16.567	1.97	22.57	1.31
4.583	1.75	10.583	6.78	16.583	1.97	22.58	1.31
4.600	1.75	10.600	6.78	16.600	1.97	22.60	1.31
4.617	1.75	10.617	6.78	16.617	1.97	22.62	1.31
4.633	1.75	10.633	6.78	16.633	1.97	22.63	1.31
4.650	1.75	10.650	6.78	16.650	1.97	22.65	1.31
4.667	1.75	10.667	6.78	16.667	1.97	22.67	1.31
4.683	1.75	10.683	6.78	16.683	1.97	22.68	1.31
4.700	1.75	10.700	6.78	16.700	1.97	22.70	1.31
4.717	1.75	10.717	6.78	16.717	1.97	22.72	1.31
4.733	1.75	10.733	6.78	16.733	1.97	22.73	1.31
4.750	1.75	10.750	6.78	16.750	1.97	22.75	1.31
4.767	1.75	10.767	6.78	16.767	1.97	22.77	1.31
4.783	1.75	10.783	6.78	16.783	1.97	22.78	1.31
4.800	1.75	10.800	6.78	16.800	1.97	22.80	1.31
4.817	1.75	10.817	6.78	16.817	1.97	22.82	1.31
4.833	1.75	10.833	6.78	16.833	1.97	22.83	1.31
4.850	1.75	10.850	6.78	16.850	1.97	22.85	1.31
4.867	1.75	10.867	6.78	16.867	1.97	22.87	1.31
4.883	1.75	10.883	6.78	16.883	1.97	22.88	1.31
4.900	1.75	10.900	6.78	16.900	1.97	22.90	1.31
4.917	1.75	10.917	6.78	16.917	1.97	22.92	1.31
4.933	1.75	10.933	6.78	16.933	1.97	22.93	1.31
4.950	1.75	10.950	6.78	16.950	1.97	22.95	1.31
4.967	1.75	10.967	6.78	16.967	1.97	22.97	1.31
4.983	1.75	10.983	6.78	16.983	1.97	22.98	1.31
5.000	1.75	11.000	6.78	17.000	1.97	23.00	1.31
5.017	1.75	11.017	10.50	17.017	1.97	23.02	1.31
5.033	1.75	11.033	10.50	17.033	1.97	23.03	1.31
5.050	1.75	11.050	10.50	17.050	1.97	23.05	1.31
5.067	1.75	11.067	10.50	17.067	1.97	23.07	1.31
5.083	1.75	11.083	10.50	17.083	1.97	23.08	1.31
5.100	1.75	11.100	10.50	17.100	1.97	23.10	1.31
5.117	1.75	11.117	10.50	17.117	1.97	23.12	1.31
5.133	1.75	11.133	10.50	17.133	1.97	23.13	1.31
5.150	1.75	11.150	10.50	17.150	1.97	23.15	1.31
5.167	1.75	11.167	10.50	17.167	1.97	23.17	1.31
5.183	1.75	11.183	10.50	17.183	1.97	23.18	1.31
5.200	1.75	11.200	10.50	17.200	1.97	23.20	1.31
5.217	1.75	11.217	10.50	17.217	1.97	23.22	1.31
5.233	1.75	11.233	10.50	17.233	1.97	23.23	1.31
5.250	1.75	11.250	10.50	17.250	1.97	23.25	1.31
5.267	1.75	11.267	10.50	17.267	1.97	23.27	1.31
5.283	1.75	11.283	10.50	17.283	1.97	23.28	1.31
5.300	1.75	11.300	10.50	17.300	1.97	23.30	1.31
5.317	1.75	11.317	10.50	17.317	1.97	23.32	1.31
5.333	1.75	11.333	10.50	17.333	1.97	23.33	1.31
5.350	1.75	11.350	10.50	17.350	1.97	23.35	1.31
5.367	1.75	11.367	10.50	17.367	1.97	23.37	1.31
5.383	1.75	11.383	10.50	17.383	1.97	23.38	1.31
5.400	1.75	11.400	10.50	17.400	1.97	23.40	1.31
5.417	1.75	11.417	10.50	17.417	1.97	23.42	1.31
5.433	1.75	11.433	10.50	17.433	1.97	23.43	1.31
5.450	1.75	11.450	10.50	17.450	1.97	23.45	1.31
5.467	1.75	11.467	10.50	17.467	1.97	23.47	1.31
5.483	1.75	11.483	10.50	17.483	1.97	23.48	1.31
5.500	1.75	11.500	10.50	17.500	1.97	23.50	1.31
5.517	1.75	11.517	32.36	17.517	1.97	23.52	1.31
5.533	1.75	11.533	32.37	17.533	1.97	23.53	1.31
5.550	1.75	11.550	32.37	17.550	1.97	23.55	1.31
5.567	1.75	11.567	32.37	17.567	1.97	23.57	1.31
5.583	1.75	11.583	32.37	17.583	1.97	23.58	1.31
5.600	1.75	11.600	32.37	17.600	1.97	23.60	1.31
5.617	1.75	11.617	32.37	17.617	1.97	23.62	1.31
5.633	1.75	11.633	32.37	17.633	1.97	23.63	1.31
5.650	1.75	11.650	32.37	17.650	1.97	23.65	1.31
5.667	1.75	11.667	32.37	17.667	1.97	23.67	1.31
5.683	1.75	11.683	32.37	17.683	1.97	23.68	1.31
5.700	1.75	11.700	32.37	17.700	1.97	23.70	1.31
5.717	1.75	11.717	32.37	17.717	1.97	23.72	1.31
5.733	1.75	11.733	32.37	17.733	1.97	23.73	1.31
5.750	1.75	11.750	32.37	17.750	1.97	23.75	1.31
5.767	1.75	11.767	133.80	17.767	1.97	23.77	1.31
5.783	1.75	11.783	133.84	17.783	1.97	23.78	1.31
5.800	1.75	11.800	133.84	17.800	1.97	23.80	1.31
5.817	1.75	11.817	133.84	17.817	1.97	23.82	1.31
5.833	1.75	11.833	133.84	17.833	1.97	23.83	1.31
5.850	1.75	11.850	133.84	17.850	1.97	23.85	1.31

5.867	1.75	11.867	133.84	17.867	1.97	23.87	1.31
5.883	1.75	11.883	133.84	17.883	1.97	23.88	1.31
5.900	1.75	11.900	133.84	17.900	1.97	23.90	1.31
5.917	1.75	11.917	133.84	17.917	1.97	23.92	1.31
5.933	1.75	11.933	133.84	17.933	1.97	23.93	1.31
5.950	1.75	11.950	133.84	17.950	1.97	23.95	1.31
5.967	1.75	11.967	133.84	17.967	1.97	23.97	1.31
5.983	1.75	11.983	133.84	17.983	1.97	23.98	1.31
6.000	1.75	12.000	133.84	18.000	1.97	24.00	1.31

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 1.032 (i)
TIME TO PEAK (hrs)= 12.300
RUNOFF VOLUME (mm)= 33.919
TOTAL RAINFALL (mm)= 109.351
RUNOFF COEFFICIENT = 0.310

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)=	14.50	Curve Number (CN)= 58.0
ID= 1 DT= 1.0 min	Ia (mm)=	10.00	# of Linear Res.(N)= 3.00
	U.H. Tp(hrs)=	0.44	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.20	6.017	1.97	12.017	15.83	18.02	1.97
0.033	1.20	6.033	1.97	12.033	15.75	18.03	1.97
0.050	1.20	6.050	1.97	12.050	15.75	18.05	1.97
0.067	1.20	6.067	1.97	12.067	15.75	18.07	1.97
0.083	1.20	6.083	1.97	12.083	15.75	18.08	1.97
0.100	1.20	6.100	1.97	12.100	15.75	18.10	1.97
0.117	1.20	6.117	1.97	12.117	15.75	18.12	1.97
0.133	1.20	6.133	1.97	12.133	15.75	18.13	1.97
0.150	1.20	6.150	1.97	12.150	15.75	18.15	1.97
0.167	1.20	6.167	1.97	12.167	15.75	18.17	1.97
0.183	1.20	6.183	1.97	12.183	15.75	18.18	1.97
0.200	1.20	6.200	1.97	12.200	15.75	18.20	1.97
0.217	1.20	6.217	1.97	12.217	15.75	18.22	1.97
0.233	1.20	6.233	1.97	12.233	15.75	18.23	1.97
0.250	1.20	6.250	1.97	12.250	15.75	18.25	1.97
0.267	1.20	6.267	1.97	12.267	15.75	18.27	1.97
0.283	1.20	6.283	1.97	12.283	15.75	18.28	1.97
0.300	1.20	6.300	1.97	12.300	15.75	18.30	1.97
0.317	1.20	6.317	1.97	12.317	15.75	18.32	1.97
0.333	1.20	6.333	1.97	12.333	15.75	18.33	1.97
0.350	1.20	6.350	1.97	12.350	15.75	18.35	1.97
0.367	1.20	6.367	1.97	12.367	15.75	18.37	1.97
0.383	1.20	6.383	1.97	12.383	15.75	18.38	1.97
0.400	1.20	6.400	1.97	12.400	15.75	18.40	1.97
0.417	1.20	6.417	1.97	12.417	15.75	18.42	1.97
0.433	1.20	6.433	1.97	12.433	15.75	18.43	1.97
0.450	1.20	6.450	1.97	12.450	15.75	18.45	1.97
0.467	1.20	6.467	1.97	12.467	15.75	18.47	1.97
0.483	1.20	6.483	1.97	12.483	15.75	18.48	1.97
0.500	1.20	6.500	1.97	12.500	15.75	18.50	1.97
0.517	1.20	6.517	1.97	12.517	8.10	18.52	1.97
0.533	1.20	6.533	1.97	12.533	8.09	18.53	1.97
0.550	1.20	6.550	1.97	12.550	8.09	18.55	1.97
0.567	1.20	6.567	1.97	12.567	8.09	18.57	1.97
0.583	1.20	6.583	1.97	12.583	8.09	18.58	1.97
0.600	1.20	6.600	1.97	12.600	8.09	18.60	1.97
0.617	1.20	6.617	1.97	12.617	8.09	18.62	1.97
0.633	1.20	6.633	1.97	12.633	8.09	18.63	1.97
0.650	1.20	6.650	1.97	12.650	8.09	18.65	1.97
0.667	1.20	6.667	1.97	12.667	8.09	18.67	1.97
0.683	1.20	6.683	1.97	12.683	8.09	18.68	1.97
0.700	1.20	6.700	1.97	12.700	8.09	18.70	1.97
0.717	1.20	6.717	1.97	12.717	8.09	18.72	1.97
0.733	1.20	6.733	1.97	12.733	8.09	18.73	1.97
0.750	1.20	6.750	1.97	12.750	8.09	18.75	1.97
0.767	1.20	6.767	1.97	12.767	8.09	18.77	1.97
0.783	1.20	6.783	1.97	12.783	8.09	18.78	1.97
0.800	1.20	6.800	1.97	12.800	8.09	18.80	1.97
0.817	1.20	6.817	1.97	12.817	8.09	18.82	1.97
0.833	1.20	6.833	1.97	12.833	8.09	18.83	1.97
0.850	1.20	6.850	1.97	12.850	8.09	18.85	1.97

0.867	1.20	6.867	1.97	12.867	8.09	18.87	1.97
0.883	1.20	6.883	1.97	12.883	8.09	18.88	1.97
0.900	1.20	6.900	1.97	12.900	8.09	18.90	1.97
0.917	1.20	6.917	1.97	12.917	8.09	18.92	1.97
0.933	1.20	6.933	1.97	12.933	8.09	18.93	1.97
0.950	1.20	6.950	1.97	12.950	8.09	18.95	1.97
0.967	1.20	6.967	1.97	12.967	8.09	18.97	1.97
0.983	1.20	6.983	1.97	12.983	8.09	18.98	1.97
1.000	1.20	7.000	1.97	13.000	8.09	19.00	1.97
1.017	1.20	7.017	2.41	13.017	5.91	19.02	1.97
1.033	1.20	7.033	2.41	13.033	5.90	19.03	1.97
1.050	1.20	7.050	2.41	13.050	5.90	19.05	1.97
1.067	1.20	7.067	2.41	13.067	5.90	19.07	1.97
1.083	1.20	7.083	2.41	13.083	5.90	19.08	1.97
1.100	1.20	7.100	2.41	13.100	5.90	19.10	1.97
1.117	1.20	7.117	2.41	13.117	5.90	19.12	1.97
1.133	1.20	7.133	2.41	13.133	5.90	19.13	1.97
1.150	1.20	7.150	2.41	13.150	5.90	19.15	1.97
1.167	1.20	7.167	2.41	13.167	5.90	19.17	1.97
1.183	1.20	7.183	2.41	13.183	5.90	19.18	1.97
1.200	1.20	7.200	2.41	13.200	5.90	19.20	1.97
1.217	1.20	7.217	2.41	13.217	5.90	19.22	1.97
1.233	1.20	7.233	2.41	13.233	5.90	19.23	1.97
1.250	1.20	7.250	2.41	13.250	5.90	19.25	1.97
1.267	1.20	7.267	2.41	13.267	5.90	19.27	1.97
1.283	1.20	7.283	2.41	13.283	5.90	19.28	1.97
1.300	1.20	7.300	2.41	13.300	5.90	19.30	1.97
1.317	1.20	7.317	2.41	13.317	5.90	19.32	1.97
1.333	1.20	7.333	2.41	13.333	5.90	19.33	1.97
1.350	1.20	7.350	2.41	13.350	5.90	19.35	1.97
1.367	1.20	7.367	2.41	13.367	5.90	19.37	1.97
1.383	1.20	7.383	2.41	13.383	5.90	19.38	1.97
1.400	1.20	7.400	2.41	13.400	5.90	19.40	1.97
1.417	1.20	7.417	2.41	13.417	5.90	19.42	1.97
1.433	1.20	7.433	2.41	13.433	5.90	19.43	1.97
1.450	1.20	7.450	2.41	13.450	5.90	19.45	1.97
1.467	1.20	7.467	2.41	13.467	5.90	19.47	1.97
1.483	1.20	7.483	2.41	13.483	5.90	19.48	1.97
1.500	1.20	7.500	2.41	13.500	5.90	19.50	1.97
1.517	1.20	7.517	2.41	13.517	4.60	19.52	1.97
1.533	1.20	7.533	2.41	13.533	4.59	19.53	1.97
1.550	1.20	7.550	2.41	13.550	4.59	19.55	1.97
1.567	1.20	7.567	2.41	13.567	4.59	19.57	1.97
1.583	1.20	7.583	2.41	13.583	4.59	19.58	1.97
1.600	1.20	7.600	2.41	13.600	4.59	19.60	1.97
1.617	1.20	7.617	2.41	13.617	4.59	19.62	1.97
1.633	1.20	7.633	2.41	13.633	4.59	19.63	1.97
1.650	1.20	7.650	2.41	13.650	4.59	19.65	1.97
1.667	1.20	7.667	2.41	13.667	4.59	19.67	1.97
1.683	1.20	7.683	2.41	13.683	4.59	19.68	1.97
1.700	1.20	7.700	2.41	13.700	4.59	19.70	1.97
1.717	1.20	7.717	2.41	13.717	4.59	19.72	1.97
1.733	1.20	7.733	2.41	13.733	4.59	19.73	1.97
1.750	1.20	7.750	2.41	13.750	4.59	19.75	1.97
1.767	1.20	7.767	2.41	13.767	4.59	19.77	1.97
1.783	1.20	7.783	2.41	13.783	4.59	19.78	1.97
1.800	1.20	7.800	2.41	13.800	4.59	19.80	1.97
1.817	1.20	7.817	2.41	13.817	4.59	19.82	1.97
1.833	1.20	7.833	2.41	13.833	4.59	19.83	1.97
1.850	1.20	7.850	2.41	13.850	4.59	19.85	1.97
1.867	1.20	7.867	2.41	13.867	4.59	19.87	1.97
1.883	1.20	7.883	2.41	13.883	4.59	19.88	1.97
1.900	1.20	7.900	2.41	13.900	4.59	19.90	1.97
1.917	1.20	7.917	2.41	13.917	4.59	19.92	1.97
1.933	1.20	7.933	2.41	13.933	4.59	19.93	1.97
1.950	1.20	7.950	2.41	13.950	4.59	19.95	1.97
1.967	1.20	7.967	2.41	13.967	4.59	19.97	1.97
1.983	1.20	7.983	2.41	13.983	4.59	19.98	1.97
2.000	1.20	8.000	2.41	14.000	4.59	20.00	1.97
2.017	1.42	8.017	2.84	14.017	3.28	20.02	1.32
2.033	1.42	8.033	2.84	14.033	3.28	20.03	1.31
2.050	1.42	8.050	2.84	14.050	3.28	20.05	1.31
2.067	1.42	8.067	2.84	14.067	3.28	20.07	1.31
2.083	1.42	8.083	2.84	14.083	3.28	20.08	1.31
2.100	1.42	8.100	2.84	14.100	3.28	20.10	1.31
2.117	1.42	8.117	2.84	14.117	3.28	20.12	1.31
2.133	1.42	8.133	2.84	14.133	3.28	20.13	1.31
2.150	1.42	8.150	2.84	14.150	3.28	20.15	1.31
2.167	1.42	8.167	2.84	14.167	3.28	20.17	1.31
2.183	1.42	8.183	2.84	14.183	3.28	20.18	1.31
2.200	1.42	8.200	2.84	14.200	3.28	20.20	1.31
2.217	1.42	8.217	2.84	14.217	3.28	20.22	1.31
2.233	1.42	8.233	2.84	14.233	3.28	20.23	1.31
2.250	1.42	8.250	2.84	14.250	3.28	20.25	1.31

2.267	1.42	8.267	2.84	14.267	3.28	20.27	1.31
2.283	1.42	8.283	2.84	14.283	3.28	20.28	1.31
2.300	1.42	8.300	2.84	14.300	3.28	20.30	1.31
2.317	1.42	8.317	2.84	14.317	3.28	20.32	1.31
2.333	1.42	8.333	2.84	14.333	3.28	20.33	1.31
2.350	1.42	8.350	2.84	14.350	3.28	20.35	1.31
2.367	1.42	8.367	2.84	14.367	3.28	20.37	1.31
2.383	1.42	8.383	2.84	14.383	3.28	20.38	1.31
2.400	1.42	8.400	2.84	14.400	3.28	20.40	1.31
2.417	1.42	8.417	2.84	14.417	3.28	20.42	1.31
2.433	1.42	8.433	2.84	14.433	3.28	20.43	1.31
2.450	1.42	8.450	2.84	14.450	3.28	20.45	1.31
2.467	1.42	8.467	2.84	14.467	3.28	20.47	1.31
2.483	1.42	8.483	2.84	14.483	3.28	20.48	1.31
2.500	1.42	8.500	2.84	14.500	3.28	20.50	1.31
2.517	1.42	8.517	3.06	14.517	3.28	20.52	1.31
2.533	1.42	8.533	3.06	14.533	3.28	20.53	1.31
2.550	1.42	8.550	3.06	14.550	3.28	20.55	1.31
2.567	1.42	8.567	3.06	14.567	3.28	20.57	1.31
2.583	1.42	8.583	3.06	14.583	3.28	20.58	1.31
2.600	1.42	8.600	3.06	14.600	3.28	20.60	1.31
2.617	1.42	8.617	3.06	14.617	3.28	20.62	1.31
2.633	1.42	8.633	3.06	14.633	3.28	20.63	1.31
2.650	1.42	8.650	3.06	14.650	3.28	20.65	1.31
2.667	1.42	8.667	3.06	14.667	3.28	20.67	1.31
2.683	1.42	8.683	3.06	14.683	3.28	20.68	1.31
2.700	1.42	8.700	3.06	14.700	3.28	20.70	1.31
2.717	1.42	8.717	3.06	14.717	3.28	20.72	1.31
2.733	1.42	8.733	3.06	14.733	3.28	20.73	1.31
2.750	1.42	8.750	3.06	14.750	3.28	20.75	1.31
2.767	1.42	8.767	3.06	14.767	3.28	20.77	1.31
2.783	1.42	8.783	3.06	14.783	3.28	20.78	1.31
2.800	1.42	8.800	3.06	14.800	3.28	20.80	1.31
2.817	1.42	8.817	3.06	14.817	3.28	20.82	1.31
2.833	1.42	8.833	3.06	14.833	3.28	20.83	1.31
2.850	1.42	8.850	3.06	14.850	3.28	20.85	1.31
2.867	1.42	8.867	3.06	14.867	3.28	20.87	1.31
2.883	1.42	8.883	3.06	14.883	3.28	20.88	1.31
2.900	1.42	8.900	3.06	14.900	3.28	20.90	1.31
2.917	1.42	8.917	3.06	14.917	3.28	20.92	1.31
2.933	1.42	8.933	3.06	14.933	3.28	20.93	1.31
2.950	1.42	8.950	3.06	14.950	3.28	20.95	1.31
2.967	1.42	8.967	3.06	14.967	3.28	20.97	1.31
2.983	1.42	8.983	3.06	14.983	3.28	20.98	1.31
3.000	1.42	9.000	3.06	15.000	3.28	21.00	1.31
3.017	1.42	9.017	3.50	15.017	3.28	21.02	1.31
3.033	1.42	9.033	3.50	15.033	3.28	21.03	1.31
3.050	1.42	9.050	3.50	15.050	3.28	21.05	1.31
3.067	1.42	9.067	3.50	15.067	3.28	21.07	1.31
3.083	1.42	9.083	3.50	15.083	3.28	21.08	1.31
3.100	1.42	9.100	3.50	15.100	3.28	21.10	1.31
3.117	1.42	9.117	3.50	15.117	3.28	21.12	1.31
3.133	1.42	9.133	3.50	15.133	3.28	21.13	1.31
3.150	1.42	9.150	3.50	15.150	3.28	21.15	1.31
3.167	1.42	9.167	3.50	15.167	3.28	21.17	1.31
3.183	1.42	9.183	3.50	15.183	3.28	21.18	1.31
3.200	1.42	9.200	3.50	15.200	3.28	21.20	1.31
3.217	1.42	9.217	3.50	15.217	3.28	21.22	1.31
3.233	1.42	9.233	3.50	15.233	3.28	21.23	1.31
3.250	1.42	9.250	3.50	15.250	3.28	21.25	1.31
3.267	1.42	9.267	3.50	15.267	3.28	21.27	1.31
3.283	1.42	9.283	3.50	15.283	3.28	21.28	1.31
3.300	1.42	9.300	3.50	15.300	3.28	21.30	1.31
3.317	1.42	9.317	3.50	15.317	3.28	21.32	1.31
3.333	1.42	9.333	3.50	15.333	3.28	21.33	1.31
3.350	1.42	9.350	3.50	15.350	3.28	21.35	1.31
3.367	1.42	9.367	3.50	15.367	3.28	21.37	1.31
3.383	1.42	9.383	3.50	15.383	3.28	21.38	1.31
3.400	1.42	9.400	3.50	15.400	3.28	21.40	1.31
3.417	1.42	9.417	3.50	15.417	3.28	21.42	1.31
3.433	1.42	9.433	3.50	15.433	3.28	21.43	1.31
3.450	1.42	9.450	3.50	15.450	3.28	21.45	1.31
3.467	1.42	9.467	3.50	15.467	3.28	21.47	1.31
3.483	1.42	9.483	3.50	15.483	3.28	21.48	1.31
3.500	1.42	9.500	3.50	15.500	3.28	21.50	1.31
3.517	1.42	9.517	3.94	15.517	3.28	21.52	1.31
3.533	1.42	9.533	3.94	15.533	3.28	21.53	1.31
3.550	1.42	9.550	3.94	15.550	3.28	21.55	1.31
3.567	1.42	9.567	3.94	15.567	3.28	21.57	1.31
3.583	1.42	9.583	3.94	15.583	3.28	21.58	1.31
3.600	1.42	9.600	3.94	15.600	3.28	21.60	1.31
3.617	1.42	9.617	3.94	15.617	3.28	21.62	1.31
3.633	1.42	9.633	3.94	15.633	3.28	21.63	1.31
3.650	1.42	9.650	3.94	15.650	3.28	21.65	1.31

3.667	1.42	9.667	3.94	15.667	3.28	21.67	1.31
3.683	1.42	9.683	3.94	15.683	3.28	21.68	1.31
3.700	1.42	9.700	3.94	15.700	3.28	21.70	1.31
3.717	1.42	9.717	3.94	15.717	3.28	21.72	1.31
3.733	1.42	9.733	3.94	15.733	3.28	21.73	1.31
3.750	1.42	9.750	3.94	15.750	3.28	21.75	1.31
3.767	1.42	9.767	3.94	15.767	3.28	21.77	1.31
3.783	1.42	9.783	3.94	15.783	3.28	21.78	1.31
3.800	1.42	9.800	3.94	15.800	3.28	21.80	1.31
3.817	1.42	9.817	3.94	15.817	3.28	21.82	1.31
3.833	1.42	9.833	3.94	15.833	3.28	21.83	1.31
3.850	1.42	9.850	3.94	15.850	3.28	21.85	1.31
3.867	1.42	9.867	3.94	15.867	3.28	21.87	1.31
3.883	1.42	9.883	3.94	15.883	3.28	21.88	1.31
3.900	1.42	9.900	3.94	15.900	3.28	21.90	1.31
3.917	1.42	9.917	3.94	15.917	3.28	21.92	1.31
3.933	1.42	9.933	3.94	15.933	3.28	21.93	1.31
3.950	1.42	9.950	3.94	15.950	3.28	21.95	1.31
3.967	1.42	9.967	3.94	15.967	3.28	21.97	1.31
3.983	1.42	9.983	3.94	15.983	3.28	21.98	1.31
4.000	1.42	10.000	3.94	16.000	3.28	22.00	1.31
4.017	1.75	10.017	5.03	16.017	1.97	22.02	1.31
4.033	1.75	10.033	5.03	16.033	1.97	22.03	1.31
4.050	1.75	10.050	5.03	16.050	1.97	22.05	1.31
4.067	1.75	10.067	5.03	16.067	1.97	22.07	1.31
4.083	1.75	10.083	5.03	16.083	1.97	22.08	1.31
4.100	1.75	10.100	5.03	16.100	1.97	22.10	1.31
4.117	1.75	10.117	5.03	16.117	1.97	22.12	1.31
4.133	1.75	10.133	5.03	16.133	1.97	22.13	1.31
4.150	1.75	10.150	5.03	16.150	1.97	22.15	1.31
4.167	1.75	10.167	5.03	16.167	1.97	22.17	1.31
4.183	1.75	10.183	5.03	16.183	1.97	22.18	1.31
4.200	1.75	10.200	5.03	16.200	1.97	22.20	1.31
4.217	1.75	10.217	5.03	16.217	1.97	22.22	1.31
4.233	1.75	10.233	5.03	16.233	1.97	22.23	1.31
4.250	1.75	10.250	5.03	16.250	1.97	22.25	1.31
4.267	1.75	10.267	5.03	16.267	1.97	22.27	1.31
4.283	1.75	10.283	5.03	16.283	1.97	22.28	1.31
4.300	1.75	10.300	5.03	16.300	1.97	22.30	1.31
4.317	1.75	10.317	5.03	16.317	1.97	22.32	1.31
4.333	1.75	10.333	5.03	16.333	1.97	22.33	1.31
4.350	1.75	10.350	5.03	16.350	1.97	22.35	1.31
4.367	1.75	10.367	5.03	16.367	1.97	22.37	1.31
4.383	1.75	10.383	5.03	16.383	1.97	22.38	1.31
4.400	1.75	10.400	5.03	16.400	1.97	22.40	1.31
4.417	1.75	10.417	5.03	16.417	1.97	22.42	1.31
4.433	1.75	10.433	5.03	16.433	1.97	22.43	1.31
4.450	1.75	10.450	5.03	16.450	1.97	22.45	1.31
4.467	1.75	10.467	5.03	16.467	1.97	22.47	1.31
4.483	1.75	10.483	5.03	16.483	1.97	22.48	1.31
4.500	1.75	10.500	5.03	16.500	1.97	22.50	1.31
4.517	1.75	10.517	6.78	16.517	1.97	22.52	1.31
4.533	1.75	10.533	6.78	16.533	1.97	22.53	1.31
4.550	1.75	10.550	6.78	16.550	1.97	22.55	1.31
4.567	1.75	10.567	6.78	16.567	1.97	22.57	1.31
4.583	1.75	10.583	6.78	16.583	1.97	22.58	1.31
4.600	1.75	10.600	6.78	16.600	1.97	22.60	1.31
4.617	1.75	10.617	6.78	16.617	1.97	22.62	1.31
4.633	1.75	10.633	6.78	16.633	1.97	22.63	1.31
4.650	1.75	10.650	6.78	16.650	1.97	22.65	1.31
4.667	1.75	10.667	6.78	16.667	1.97	22.67	1.31
4.683	1.75	10.683	6.78	16.683	1.97	22.68	1.31
4.700	1.75	10.700	6.78	16.700	1.97	22.70	1.31
4.717	1.75	10.717	6.78	16.717	1.97	22.72	1.31
4.733	1.75	10.733	6.78	16.733	1.97	22.73	1.31
4.750	1.75	10.750	6.78	16.750	1.97	22.75	1.31
4.767	1.75	10.767	6.78	16.767	1.97	22.77	1.31
4.783	1.75	10.783	6.78	16.783	1.97	22.78	1.31
4.800	1.75	10.800	6.78	16.800	1.97	22.80	1.31
4.817	1.75	10.817	6.78	16.817	1.97	22.82	1.31
4.833	1.75	10.833	6.78	16.833	1.97	22.83	1.31
4.850	1.75	10.850	6.78	16.850	1.97	22.85	1.31
4.867	1.75	10.867	6.78	16.867	1.97	22.87	1.31
4.883	1.75	10.883	6.78	16.883	1.97	22.88	1.31
4.900	1.75	10.900	6.78	16.900	1.97	22.90	1.31
4.917	1.75	10.917	6.78	16.917	1.97	22.92	1.31
4.933	1.75	10.933	6.78	16.933	1.97	22.93	1.31
4.950	1.75	10.950	6.78	16.950	1.97	22.95	1.31
4.967	1.75	10.967	6.78	16.967	1.97	22.97	1.31
4.983	1.75	10.983	6.78	16.983	1.97	22.98	1.31
5.000	1.75	11.000	6.78	17.000	1.97	23.00	1.31
5.017	1.75	11.017	10.50	17.017	1.97	23.02	1.31
5.033	1.75	11.033	10.50	17.033	1.97	23.03	1.31
5.050	1.75	11.050	10.50	17.050	1.97	23.05	1.31

5.067	1.75	11.067	10.50	17.067	1.97	23.07	1.31
5.083	1.75	11.083	10.50	17.083	1.97	23.08	1.31
5.100	1.75	11.100	10.50	17.100	1.97	23.10	1.31
5.117	1.75	11.117	10.50	17.117	1.97	23.12	1.31
5.133	1.75	11.133	10.50	17.133	1.97	23.13	1.31
5.150	1.75	11.150	10.50	17.150	1.97	23.15	1.31
5.167	1.75	11.167	10.50	17.167	1.97	23.17	1.31
5.183	1.75	11.183	10.50	17.183	1.97	23.18	1.31
5.200	1.75	11.200	10.50	17.200	1.97	23.20	1.31
5.217	1.75	11.217	10.50	17.217	1.97	23.22	1.31
5.233	1.75	11.233	10.50	17.233	1.97	23.23	1.31
5.250	1.75	11.250	10.50	17.250	1.97	23.25	1.31
5.267	1.75	11.267	10.50	17.267	1.97	23.27	1.31
5.283	1.75	11.283	10.50	17.283	1.97	23.28	1.31
5.300	1.75	11.300	10.50	17.300	1.97	23.30	1.31
5.317	1.75	11.317	10.50	17.317	1.97	23.32	1.31
5.333	1.75	11.333	10.50	17.333	1.97	23.33	1.31
5.350	1.75	11.350	10.50	17.350	1.97	23.35	1.31
5.367	1.75	11.367	10.50	17.367	1.97	23.37	1.31
5.383	1.75	11.383	10.50	17.383	1.97	23.38	1.31
5.400	1.75	11.400	10.50	17.400	1.97	23.40	1.31
5.417	1.75	11.417	10.50	17.417	1.97	23.42	1.31
5.433	1.75	11.433	10.50	17.433	1.97	23.43	1.31
5.450	1.75	11.450	10.50	17.450	1.97	23.45	1.31
5.467	1.75	11.467	10.50	17.467	1.97	23.47	1.31
5.483	1.75	11.483	10.50	17.483	1.97	23.48	1.31
5.500	1.75	11.500	10.50	17.500	1.97	23.50	1.31
5.517	1.75	11.517	32.36	17.517	1.97	23.52	1.31
5.533	1.75	11.533	32.37	17.533	1.97	23.53	1.31
5.550	1.75	11.550	32.37	17.550	1.97	23.55	1.31
5.567	1.75	11.567	32.37	17.567	1.97	23.57	1.31
5.583	1.75	11.583	32.37	17.583	1.97	23.58	1.31
5.600	1.75	11.600	32.37	17.600	1.97	23.60	1.31
5.617	1.75	11.617	32.37	17.617	1.97	23.62	1.31
5.633	1.75	11.633	32.37	17.633	1.97	23.63	1.31
5.650	1.75	11.650	32.37	17.650	1.97	23.65	1.31
5.667	1.75	11.667	32.37	17.667	1.97	23.67	1.31
5.683	1.75	11.683	32.37	17.683	1.97	23.68	1.31
5.700	1.75	11.700	32.37	17.700	1.97	23.70	1.31
5.717	1.75	11.717	32.37	17.717	1.97	23.72	1.31
5.733	1.75	11.733	32.37	17.733	1.97	23.73	1.31
5.750	1.75	11.750	32.37	17.750	1.97	23.75	1.31
5.767	1.75	11.767	133.80	17.767	1.97	23.77	1.31
5.783	1.75	11.783	133.84	17.783	1.97	23.78	1.31
5.800	1.75	11.800	133.84	17.800	1.97	23.80	1.31
5.817	1.75	11.817	133.84	17.817	1.97	23.82	1.31
5.833	1.75	11.833	133.84	17.833	1.97	23.83	1.31
5.850	1.75	11.850	133.84	17.850	1.97	23.85	1.31
5.867	1.75	11.867	133.84	17.867	1.97	23.87	1.31
5.883	1.75	11.883	133.84	17.883	1.97	23.88	1.31
5.900	1.75	11.900	133.84	17.900	1.97	23.90	1.31
5.917	1.75	11.917	133.84	17.917	1.97	23.92	1.31
5.933	1.75	11.933	133.84	17.933	1.97	23.93	1.31
5.950	1.75	11.950	133.84	17.950	1.97	23.95	1.31
5.967	1.75	11.967	133.84	17.967	1.97	23.97	1.31
5.983	1.75	11.983	133.84	17.983	1.97	23.98	1.31
6.000	1.75	12.000	133.84	18.000	1.97	24.00	1.31

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.721 (i)
TIME TO PEAK (hrs)= 12.367
RUNOFF VOLUME (mm)= 27.407
TOTAL RAINFALL (mm)= 109.351
RUNOFF COEFFICIENT = 0.251

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
STANDHYD (0204)	Area (ha)=	0.96	
ID= 1 DT= 1.0 min	Total Imp(%)=	68.00	Dir. Conn.(%)= 47.00

	IMPERVIOUS	PERVIOUS (i)	
Surface Area	(ha)=	0.65	0.31
Dep. Storage	(mm)=	2.00	5.00
Average slope	(%)=	1.00	2.00
Length	(m)=	267.45	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.20	6.017	1.97	12.017	15.83	18.02	1.97
0.033	1.20	6.033	1.97	12.033	15.75	18.03	1.97
0.050	1.20	6.050	1.97	12.050	15.75	18.05	1.97
0.067	1.20	6.067	1.97	12.067	15.75	18.07	1.97
0.083	1.20	6.083	1.97	12.083	15.75	18.08	1.97
0.100	1.20	6.100	1.97	12.100	15.75	18.10	1.97
0.117	1.20	6.117	1.97	12.117	15.75	18.12	1.97
0.133	1.20	6.133	1.97	12.133	15.75	18.13	1.97
0.150	1.20	6.150	1.97	12.150	15.75	18.15	1.97
0.167	1.20	6.167	1.97	12.167	15.75	18.17	1.97
0.183	1.20	6.183	1.97	12.183	15.75	18.18	1.97
0.200	1.20	6.200	1.97	12.200	15.75	18.20	1.97
0.217	1.20	6.217	1.97	12.217	15.75	18.22	1.97
0.233	1.20	6.233	1.97	12.233	15.75	18.23	1.97
0.250	1.20	6.250	1.97	12.250	15.75	18.25	1.97
0.267	1.20	6.267	1.97	12.267	15.75	18.27	1.97
0.283	1.20	6.283	1.97	12.283	15.75	18.28	1.97
0.300	1.20	6.300	1.97	12.300	15.75	18.30	1.97
0.317	1.20	6.317	1.97	12.317	15.75	18.32	1.97
0.333	1.20	6.333	1.97	12.333	15.75	18.33	1.97
0.350	1.20	6.350	1.97	12.350	15.75	18.35	1.97
0.367	1.20	6.367	1.97	12.367	15.75	18.37	1.97
0.383	1.20	6.383	1.97	12.383	15.75	18.38	1.97
0.400	1.20	6.400	1.97	12.400	15.75	18.40	1.97
0.417	1.20	6.417	1.97	12.417	15.75	18.42	1.97
0.433	1.20	6.433	1.97	12.433	15.75	18.43	1.97
0.450	1.20	6.450	1.97	12.450	15.75	18.45	1.97
0.467	1.20	6.467	1.97	12.467	15.75	18.47	1.97
0.483	1.20	6.483	1.97	12.483	15.75	18.48	1.97
0.500	1.20	6.500	1.97	12.500	15.75	18.50	1.97
0.517	1.20	6.517	1.97	12.517	8.10	18.52	1.97
0.533	1.20	6.533	1.97	12.533	8.09	18.53	1.97
0.550	1.20	6.550	1.97	12.550	8.09	18.55	1.97
0.567	1.20	6.567	1.97	12.567	8.09	18.57	1.97
0.583	1.20	6.583	1.97	12.583	8.09	18.58	1.97
0.600	1.20	6.600	1.97	12.600	8.09	18.60	1.97
0.617	1.20	6.617	1.97	12.617	8.09	18.62	1.97
0.633	1.20	6.633	1.97	12.633	8.09	18.63	1.97
0.650	1.20	6.650	1.97	12.650	8.09	18.65	1.97
0.667	1.20	6.667	1.97	12.667	8.09	18.67	1.97
0.683	1.20	6.683	1.97	12.683	8.09	18.68	1.97
0.700	1.20	6.700	1.97	12.700	8.09	18.70	1.97
0.717	1.20	6.717	1.97	12.717	8.09	18.72	1.97
0.733	1.20	6.733	1.97	12.733	8.09	18.73	1.97
0.750	1.20	6.750	1.97	12.750	8.09	18.75	1.97
0.767	1.20	6.767	1.97	12.767	8.09	18.77	1.97
0.783	1.20	6.783	1.97	12.783	8.09	18.78	1.97
0.800	1.20	6.800	1.97	12.800	8.09	18.80	1.97
0.817	1.20	6.817	1.97	12.817	8.09	18.82	1.97
0.833	1.20	6.833	1.97	12.833	8.09	18.83	1.97
0.850	1.20	6.850	1.97	12.850	8.09	18.85	1.97
0.867	1.20	6.867	1.97	12.867	8.09	18.87	1.97
0.883	1.20	6.883	1.97	12.883	8.09	18.88	1.97
0.900	1.20	6.900	1.97	12.900	8.09	18.90	1.97
0.917	1.20	6.917	1.97	12.917	8.09	18.92	1.97
0.933	1.20	6.933	1.97	12.933	8.09	18.93	1.97
0.950	1.20	6.950	1.97	12.950	8.09	18.95	1.97
0.967	1.20	6.967	1.97	12.967	8.09	18.97	1.97
0.983	1.20	6.983	1.97	12.983	8.09	18.98	1.97
1.000	1.20	7.000	1.97	13.000	8.09	19.00	1.97
1.017	1.20	7.017	2.41	13.017	5.91	19.02	1.97
1.033	1.20	7.033	2.41	13.033	5.90	19.03	1.97
1.050	1.20	7.050	2.41	13.050	5.90	19.05	1.97
1.067	1.20	7.067	2.41	13.067	5.90	19.07	1.97
1.083	1.20	7.083	2.41	13.083	5.90	19.08	1.97
1.100	1.20	7.100	2.41	13.100	5.90	19.10	1.97
1.117	1.20	7.117	2.41	13.117	5.90	19.12	1.97
1.133	1.20	7.133	2.41	13.133	5.90	19.13	1.97
1.150	1.20	7.150	2.41	13.150	5.90	19.15	1.97
1.167	1.20	7.167	2.41	13.167	5.90	19.17	1.97
1.183	1.20	7.183	2.41	13.183	5.90	19.18	1.97
1.200	1.20	7.200	2.41	13.200	5.90	19.20	1.97
1.217	1.20	7.217	2.41	13.217	5.90	19.22	1.97
1.233	1.20	7.233	2.41	13.233	5.90	19.23	1.97
1.250	1.20	7.250	2.41	13.250	5.90	19.25	1.97
1.267	1.20	7.267	2.41	13.267	5.90	19.27	1.97
1.283	1.20	7.283	2.41	13.283	5.90	19.28	1.97
1.300	1.20	7.300	2.41	13.300	5.90	19.30	1.97
1.317	1.20	7.317	2.41	13.317	5.90	19.32	1.97
1.333	1.20	7.333	2.41	13.333	5.90	19.33	1.97
1.350	1.20	7.350	2.41	13.350	5.90	19.35	1.97

1.367	1.20	7.367	2.41	13.367	5.90	19.37	1.97
1.383	1.20	7.383	2.41	13.383	5.90	19.38	1.97
1.400	1.20	7.400	2.41	13.400	5.90	19.40	1.97
1.417	1.20	7.417	2.41	13.417	5.90	19.42	1.97
1.433	1.20	7.433	2.41	13.433	5.90	19.43	1.97
1.450	1.20	7.450	2.41	13.450	5.90	19.45	1.97
1.467	1.20	7.467	2.41	13.467	5.90	19.47	1.97
1.483	1.20	7.483	2.41	13.483	5.90	19.48	1.97
1.500	1.20	7.500	2.41	13.500	5.90	19.50	1.97
1.517	1.20	7.517	2.41	13.517	4.60	19.52	1.97
1.533	1.20	7.533	2.41	13.533	4.59	19.53	1.97
1.550	1.20	7.550	2.41	13.550	4.59	19.55	1.97
1.567	1.20	7.567	2.41	13.567	4.59	19.57	1.97
1.583	1.20	7.583	2.41	13.583	4.59	19.58	1.97
1.600	1.20	7.600	2.41	13.600	4.59	19.60	1.97
1.617	1.20	7.617	2.41	13.617	4.59	19.62	1.97
1.633	1.20	7.633	2.41	13.633	4.59	19.63	1.97
1.650	1.20	7.650	2.41	13.650	4.59	19.65	1.97
1.667	1.20	7.667	2.41	13.667	4.59	19.67	1.97
1.683	1.20	7.683	2.41	13.683	4.59	19.68	1.97
1.700	1.20	7.700	2.41	13.700	4.59	19.70	1.97
1.717	1.20	7.717	2.41	13.717	4.59	19.72	1.97
1.733	1.20	7.733	2.41	13.733	4.59	19.73	1.97
1.750	1.20	7.750	2.41	13.750	4.59	19.75	1.97
1.767	1.20	7.767	2.41	13.767	4.59	19.77	1.97
1.783	1.20	7.783	2.41	13.783	4.59	19.78	1.97
1.800	1.20	7.800	2.41	13.800	4.59	19.80	1.97
1.817	1.20	7.817	2.41	13.817	4.59	19.82	1.97
1.833	1.20	7.833	2.41	13.833	4.59	19.83	1.97
1.850	1.20	7.850	2.41	13.850	4.59	19.85	1.97
1.867	1.20	7.867	2.41	13.867	4.59	19.87	1.97
1.883	1.20	7.883	2.41	13.883	4.59	19.88	1.97
1.900	1.20	7.900	2.41	13.900	4.59	19.90	1.97
1.917	1.20	7.917	2.41	13.917	4.59	19.92	1.97
1.933	1.20	7.933	2.41	13.933	4.59	19.93	1.97
1.950	1.20	7.950	2.41	13.950	4.59	19.95	1.97
1.967	1.20	7.967	2.41	13.967	4.59	19.97	1.97
1.983	1.20	7.983	2.41	13.983	4.59	19.98	1.97
2.000	1.20	8.000	2.41	14.000	4.59	20.00	1.97
2.017	1.42	8.017	2.84	14.017	3.28	20.02	1.32
2.033	1.42	8.033	2.84	14.033	3.28	20.03	1.31
2.050	1.42	8.050	2.84	14.050	3.28	20.05	1.31
2.067	1.42	8.067	2.84	14.067	3.28	20.07	1.31
2.083	1.42	8.083	2.84	14.083	3.28	20.08	1.31
2.100	1.42	8.100	2.84	14.100	3.28	20.10	1.31
2.117	1.42	8.117	2.84	14.117	3.28	20.12	1.31
2.133	1.42	8.133	2.84	14.133	3.28	20.13	1.31
2.150	1.42	8.150	2.84	14.150	3.28	20.15	1.31
2.167	1.42	8.167	2.84	14.167	3.28	20.17	1.31
2.183	1.42	8.183	2.84	14.183	3.28	20.18	1.31
2.200	1.42	8.200	2.84	14.200	3.28	20.20	1.31
2.217	1.42	8.217	2.84	14.217	3.28	20.22	1.31
2.233	1.42	8.233	2.84	14.233	3.28	20.23	1.31
2.250	1.42	8.250	2.84	14.250	3.28	20.25	1.31
2.267	1.42	8.267	2.84	14.267	3.28	20.27	1.31
2.283	1.42	8.283	2.84	14.283	3.28	20.28	1.31
2.300	1.42	8.300	2.84	14.300	3.28	20.30	1.31
2.317	1.42	8.317	2.84	14.317	3.28	20.32	1.31
2.333	1.42	8.333	2.84	14.333	3.28	20.33	1.31
2.350	1.42	8.350	2.84	14.350	3.28	20.35	1.31
2.367	1.42	8.367	2.84	14.367	3.28	20.37	1.31
2.383	1.42	8.383	2.84	14.383	3.28	20.38	1.31
2.400	1.42	8.400	2.84	14.400	3.28	20.40	1.31
2.417	1.42	8.417	2.84	14.417	3.28	20.42	1.31
2.433	1.42	8.433	2.84	14.433	3.28	20.43	1.31
2.450	1.42	8.450	2.84	14.450	3.28	20.45	1.31
2.467	1.42	8.467	2.84	14.467	3.28	20.47	1.31
2.483	1.42	8.483	2.84	14.483	3.28	20.48	1.31
2.500	1.42	8.500	2.84	14.500	3.28	20.50	1.31
2.517	1.42	8.517	3.06	14.517	3.28	20.52	1.31
2.533	1.42	8.533	3.06	14.533	3.28	20.53	1.31
2.550	1.42	8.550	3.06	14.550	3.28	20.55	1.31
2.567	1.42	8.567	3.06	14.567	3.28	20.57	1.31
2.583	1.42	8.583	3.06	14.583	3.28	20.58	1.31
2.600	1.42	8.600	3.06	14.600	3.28	20.60	1.31
2.617	1.42	8.617	3.06	14.617	3.28	20.62	1.31
2.633	1.42	8.633	3.06	14.633	3.28	20.63	1.31
2.650	1.42	8.650	3.06	14.650	3.28	20.65	1.31
2.667	1.42	8.667	3.06	14.667	3.28	20.67	1.31
2.683	1.42	8.683	3.06	14.683	3.28	20.68	1.31
2.700	1.42	8.700	3.06	14.700	3.28	20.70	1.31
2.717	1.42	8.717	3.06	14.717	3.28	20.72	1.31
2.733	1.42	8.733	3.06	14.733	3.28	20.73	1.31
2.750	1.42	8.750	3.06	14.750	3.28	20.75	1.31

2.767	1.42	8.767	3.06	14.767	3.28	20.77	1.31
2.783	1.42	8.783	3.06	14.783	3.28	20.78	1.31
2.800	1.42	8.800	3.06	14.800	3.28	20.80	1.31
2.817	1.42	8.817	3.06	14.817	3.28	20.82	1.31
2.833	1.42	8.833	3.06	14.833	3.28	20.83	1.31
2.850	1.42	8.850	3.06	14.850	3.28	20.85	1.31
2.867	1.42	8.867	3.06	14.867	3.28	20.87	1.31
2.883	1.42	8.883	3.06	14.883	3.28	20.88	1.31
2.900	1.42	8.900	3.06	14.900	3.28	20.90	1.31
2.917	1.42	8.917	3.06	14.917	3.28	20.92	1.31
2.933	1.42	8.933	3.06	14.933	3.28	20.93	1.31
2.950	1.42	8.950	3.06	14.950	3.28	20.95	1.31
2.967	1.42	8.967	3.06	14.967	3.28	20.97	1.31
2.983	1.42	8.983	3.06	14.983	3.28	20.98	1.31
3.000	1.42	9.000	3.06	15.000	3.28	21.00	1.31
3.017	1.42	9.017	3.50	15.017	3.28	21.02	1.31
3.033	1.42	9.033	3.50	15.033	3.28	21.03	1.31
3.050	1.42	9.050	3.50	15.050	3.28	21.05	1.31
3.067	1.42	9.067	3.50	15.067	3.28	21.07	1.31
3.083	1.42	9.083	3.50	15.083	3.28	21.08	1.31
3.100	1.42	9.100	3.50	15.100	3.28	21.10	1.31
3.117	1.42	9.117	3.50	15.117	3.28	21.12	1.31
3.133	1.42	9.133	3.50	15.133	3.28	21.13	1.31
3.150	1.42	9.150	3.50	15.150	3.28	21.15	1.31
3.167	1.42	9.167	3.50	15.167	3.28	21.17	1.31
3.183	1.42	9.183	3.50	15.183	3.28	21.18	1.31
3.200	1.42	9.200	3.50	15.200	3.28	21.20	1.31
3.217	1.42	9.217	3.50	15.217	3.28	21.22	1.31
3.233	1.42	9.233	3.50	15.233	3.28	21.23	1.31
3.250	1.42	9.250	3.50	15.250	3.28	21.25	1.31
3.267	1.42	9.267	3.50	15.267	3.28	21.27	1.31
3.283	1.42	9.283	3.50	15.283	3.28	21.28	1.31
3.300	1.42	9.300	3.50	15.300	3.28	21.30	1.31
3.317	1.42	9.317	3.50	15.317	3.28	21.32	1.31
3.333	1.42	9.333	3.50	15.333	3.28	21.33	1.31
3.350	1.42	9.350	3.50	15.350	3.28	21.35	1.31
3.367	1.42	9.367	3.50	15.367	3.28	21.37	1.31
3.383	1.42	9.383	3.50	15.383	3.28	21.38	1.31
3.400	1.42	9.400	3.50	15.400	3.28	21.40	1.31
3.417	1.42	9.417	3.50	15.417	3.28	21.42	1.31
3.433	1.42	9.433	3.50	15.433	3.28	21.43	1.31
3.450	1.42	9.450	3.50	15.450	3.28	21.45	1.31
3.467	1.42	9.467	3.50	15.467	3.28	21.47	1.31
3.483	1.42	9.483	3.50	15.483	3.28	21.48	1.31
3.500	1.42	9.500	3.50	15.500	3.28	21.50	1.31
3.517	1.42	9.517	3.94	15.517	3.28	21.52	1.31
3.533	1.42	9.533	3.94	15.533	3.28	21.53	1.31
3.550	1.42	9.550	3.94	15.550	3.28	21.55	1.31
3.567	1.42	9.567	3.94	15.567	3.28	21.57	1.31
3.583	1.42	9.583	3.94	15.583	3.28	21.58	1.31
3.600	1.42	9.600	3.94	15.600	3.28	21.60	1.31
3.617	1.42	9.617	3.94	15.617	3.28	21.62	1.31
3.633	1.42	9.633	3.94	15.633	3.28	21.63	1.31
3.650	1.42	9.650	3.94	15.650	3.28	21.65	1.31
3.667	1.42	9.667	3.94	15.667	3.28	21.67	1.31
3.683	1.42	9.683	3.94	15.683	3.28	21.68	1.31
3.700	1.42	9.700	3.94	15.700	3.28	21.70	1.31
3.717	1.42	9.717	3.94	15.717	3.28	21.72	1.31
3.733	1.42	9.733	3.94	15.733	3.28	21.73	1.31
3.750	1.42	9.750	3.94	15.750	3.28	21.75	1.31
3.767	1.42	9.767	3.94	15.767	3.28	21.77	1.31
3.783	1.42	9.783	3.94	15.783	3.28	21.78	1.31
3.800	1.42	9.800	3.94	15.800	3.28	21.80	1.31
3.817	1.42	9.817	3.94	15.817	3.28	21.82	1.31
3.833	1.42	9.833	3.94	15.833	3.28	21.83	1.31
3.850	1.42	9.850	3.94	15.850	3.28	21.85	1.31
3.867	1.42	9.867	3.94	15.867	3.28	21.87	1.31
3.883	1.42	9.883	3.94	15.883	3.28	21.88	1.31
3.900	1.42	9.900	3.94	15.900	3.28	21.90	1.31
3.917	1.42	9.917	3.94	15.917	3.28	21.92	1.31
3.933	1.42	9.933	3.94	15.933	3.28	21.93	1.31
3.950	1.42	9.950	3.94	15.950	3.28	21.95	1.31
3.967	1.42	9.967	3.94	15.967	3.28	21.97	1.31
3.983	1.42	9.983	3.94	15.983	3.28	21.98	1.31
4.000	1.42	10.000	3.94	16.000	3.28	22.00	1.31
4.017	1.75	10.017	5.03	16.017	1.97	22.02	1.31
4.033	1.75	10.033	5.03	16.033	1.97	22.03	1.31
4.050	1.75	10.050	5.03	16.050	1.97	22.05	1.31
4.067	1.75	10.067	5.03	16.067	1.97	22.07	1.31
4.083	1.75	10.083	5.03	16.083	1.97	22.08	1.31
4.100	1.75	10.100	5.03	16.100	1.97	22.10	1.31
4.117	1.75	10.117	5.03	16.117	1.97	22.12	1.31
4.133	1.75	10.133	5.03	16.133	1.97	22.13	1.31
4.150	1.75	10.150	5.03	16.150	1.97	22.15	1.31

4.167	1.75	10.167	5.03	16.167	1.97	22.17	1.31
4.183	1.75	10.183	5.03	16.183	1.97	22.18	1.31
4.200	1.75	10.200	5.03	16.200	1.97	22.20	1.31
4.217	1.75	10.217	5.03	16.217	1.97	22.22	1.31
4.233	1.75	10.233	5.03	16.233	1.97	22.23	1.31
4.250	1.75	10.250	5.03	16.250	1.97	22.25	1.31
4.267	1.75	10.267	5.03	16.267	1.97	22.27	1.31
4.283	1.75	10.283	5.03	16.283	1.97	22.28	1.31
4.300	1.75	10.300	5.03	16.300	1.97	22.30	1.31
4.317	1.75	10.317	5.03	16.317	1.97	22.32	1.31
4.333	1.75	10.333	5.03	16.333	1.97	22.33	1.31
4.350	1.75	10.350	5.03	16.350	1.97	22.35	1.31
4.367	1.75	10.367	5.03	16.367	1.97	22.37	1.31
4.383	1.75	10.383	5.03	16.383	1.97	22.38	1.31
4.400	1.75	10.400	5.03	16.400	1.97	22.40	1.31
4.417	1.75	10.417	5.03	16.417	1.97	22.42	1.31
4.433	1.75	10.433	5.03	16.433	1.97	22.43	1.31
4.450	1.75	10.450	5.03	16.450	1.97	22.45	1.31
4.467	1.75	10.467	5.03	16.467	1.97	22.47	1.31
4.483	1.75	10.483	5.03	16.483	1.97	22.48	1.31
4.500	1.75	10.500	5.03	16.500	1.97	22.50	1.31
4.517	1.75	10.517	6.78	16.517	1.97	22.52	1.31
4.533	1.75	10.533	6.78	16.533	1.97	22.53	1.31
4.550	1.75	10.550	6.78	16.550	1.97	22.55	1.31
4.567	1.75	10.567	6.78	16.567	1.97	22.57	1.31
4.583	1.75	10.583	6.78	16.583	1.97	22.58	1.31
4.600	1.75	10.600	6.78	16.600	1.97	22.60	1.31
4.617	1.75	10.617	6.78	16.617	1.97	22.62	1.31
4.633	1.75	10.633	6.78	16.633	1.97	22.63	1.31
4.650	1.75	10.650	6.78	16.650	1.97	22.65	1.31
4.667	1.75	10.667	6.78	16.667	1.97	22.67	1.31
4.683	1.75	10.683	6.78	16.683	1.97	22.68	1.31
4.700	1.75	10.700	6.78	16.700	1.97	22.70	1.31
4.717	1.75	10.717	6.78	16.717	1.97	22.72	1.31
4.733	1.75	10.733	6.78	16.733	1.97	22.73	1.31
4.750	1.75	10.750	6.78	16.750	1.97	22.75	1.31
4.767	1.75	10.767	6.78	16.767	1.97	22.77	1.31
4.783	1.75	10.783	6.78	16.783	1.97	22.78	1.31
4.800	1.75	10.800	6.78	16.800	1.97	22.80	1.31
4.817	1.75	10.817	6.78	16.817	1.97	22.82	1.31
4.833	1.75	10.833	6.78	16.833	1.97	22.83	1.31
4.850	1.75	10.850	6.78	16.850	1.97	22.85	1.31
4.867	1.75	10.867	6.78	16.867	1.97	22.87	1.31
4.883	1.75	10.883	6.78	16.883	1.97	22.88	1.31
4.900	1.75	10.900	6.78	16.900	1.97	22.90	1.31
4.917	1.75	10.917	6.78	16.917	1.97	22.92	1.31
4.933	1.75	10.933	6.78	16.933	1.97	22.93	1.31
4.950	1.75	10.950	6.78	16.950	1.97	22.95	1.31
4.967	1.75	10.967	6.78	16.967	1.97	22.97	1.31
4.983	1.75	10.983	6.78	16.983	1.97	22.98	1.31
5.000	1.75	11.000	6.78	17.000	1.97	23.00	1.31
5.017	1.75	11.017	10.50	17.017	1.97	23.02	1.31
5.033	1.75	11.033	10.50	17.033	1.97	23.03	1.31
5.050	1.75	11.050	10.50	17.050	1.97	23.05	1.31
5.067	1.75	11.067	10.50	17.067	1.97	23.07	1.31
5.083	1.75	11.083	10.50	17.083	1.97	23.08	1.31
5.100	1.75	11.100	10.50	17.100	1.97	23.10	1.31
5.117	1.75	11.117	10.50	17.117	1.97	23.12	1.31
5.133	1.75	11.133	10.50	17.133	1.97	23.13	1.31
5.150	1.75	11.150	10.50	17.150	1.97	23.15	1.31
5.167	1.75	11.167	10.50	17.167	1.97	23.17	1.31
5.183	1.75	11.183	10.50	17.183	1.97	23.18	1.31
5.200	1.75	11.200	10.50	17.200	1.97	23.20	1.31
5.217	1.75	11.217	10.50	17.217	1.97	23.22	1.31
5.233	1.75	11.233	10.50	17.233	1.97	23.23	1.31
5.250	1.75	11.250	10.50	17.250	1.97	23.25	1.31
5.267	1.75	11.267	10.50	17.267	1.97	23.27	1.31
5.283	1.75	11.283	10.50	17.283	1.97	23.28	1.31
5.300	1.75	11.300	10.50	17.300	1.97	23.30	1.31
5.317	1.75	11.317	10.50	17.317	1.97	23.32	1.31
5.333	1.75	11.333	10.50	17.333	1.97	23.33	1.31
5.350	1.75	11.350	10.50	17.350	1.97	23.35	1.31
5.367	1.75	11.367	10.50	17.367	1.97	23.37	1.31
5.383	1.75	11.383	10.50	17.383	1.97	23.38	1.31
5.400	1.75	11.400	10.50	17.400	1.97	23.40	1.31
5.417	1.75	11.417	10.50	17.417	1.97	23.42	1.31
5.433	1.75	11.433	10.50	17.433	1.97	23.43	1.31
5.450	1.75	11.450	10.50	17.450	1.97	23.45	1.31
5.467	1.75	11.467	10.50	17.467	1.97	23.47	1.31
5.483	1.75	11.483	10.50	17.483	1.97	23.48	1.31
5.500	1.75	11.500	10.50	17.500	1.97	23.50	1.31
5.517	1.75	11.517	32.36	17.517	1.97	23.52	1.31
5.533	1.75	11.533	32.37	17.533	1.97	23.53	1.31
5.550	1.75	11.550	32.37	17.550	1.97	23.55	1.31

5.567	1.75	11.567	32.37	17.567	1.97	23.57	1.31
5.583	1.75	11.583	32.37	17.583	1.97	23.58	1.31
5.600	1.75	11.600	32.37	17.600	1.97	23.60	1.31
5.617	1.75	11.617	32.37	17.617	1.97	23.62	1.31
5.633	1.75	11.633	32.37	17.633	1.97	23.63	1.31
5.650	1.75	11.650	32.37	17.650	1.97	23.65	1.31
5.667	1.75	11.667	32.37	17.667	1.97	23.67	1.31
5.683	1.75	11.683	32.37	17.683	1.97	23.68	1.31
5.700	1.75	11.700	32.37	17.700	1.97	23.70	1.31
5.717	1.75	11.717	32.37	17.717	1.97	23.72	1.31
5.733	1.75	11.733	32.37	17.733	1.97	23.73	1.31
5.750	1.75	11.750	32.37	17.750	1.97	23.75	1.31
5.767	1.75	11.767	133.80	17.767	1.97	23.77	1.31
5.783	1.75	11.783	133.84	17.783	1.97	23.78	1.31
5.800	1.75	11.800	133.84	17.800	1.97	23.80	1.31
5.817	1.75	11.817	133.84	17.817	1.97	23.82	1.31
5.833	1.75	11.833	133.84	17.833	1.97	23.83	1.31
5.850	1.75	11.850	133.84	17.850	1.97	23.85	1.31
5.867	1.75	11.867	133.84	17.867	1.97	23.87	1.31
5.883	1.75	11.883	133.84	17.883	1.97	23.88	1.31
5.900	1.75	11.900	133.84	17.900	1.97	23.90	1.31
5.917	1.75	11.917	133.84	17.917	1.97	23.92	1.31
5.933	1.75	11.933	133.84	17.933	1.97	23.93	1.31
5.950	1.75	11.950	133.84	17.950	1.97	23.95	1.31
5.967	1.75	11.967	133.84	17.967	1.97	23.97	1.31
5.983	1.75	11.983	133.84	17.983	1.97	23.98	1.31
6.000	1.75	12.000	133.84	18.000	1.97	24.00	1.31

Max.Eff.Inten.(mm/hr)=	133.84	115.36	
over (min)	5.00	10.00	
Storage Coeff. (min)=	4.10 (ii)	9.49 (ii)	
Unit Hyd. Tpeak (min)=	5.00	10.00	
Unit Hyd. peak (cms)=	0.26	0.12	
			TOTALS
PEAK FLOW (cms)=	0.16	0.07	0.223 (iii)
TIME TO PEAK (hrs)=	12.00	12.07	12.00
RUNOFF VOLUME (mm)=	107.34	47.71	75.74
TOTAL RAINFALL (mm)=	109.35	109.35	109.35
RUNOFF COEFFICIENT =	0.98	0.44	0.69

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0204):	0.96	0.223	12.00	75.74
+ ID2= 2 (0205):	14.50	0.721	12.37	27.41
=====				
ID = 3 (0017):	15.46	0.768	12.33	37.38

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 3 (0017):	15.46	0.768	12.33	37.38
+ ID2= 2 (0087):	15.86	1.032	12.30	33.92
=====				
ID = 1 (0017):	31.32	1.799	12.32	39.79

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB STANDHYD (0012)			
ID= 1 DT= 1.0 min	Area (ha)=	1.18	
	Total Imp(%)=	22.00	Dir. Conn.(%)= 22.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26		0.92
Dep. Storage (mm)=	2.00		4.60
Average Slope (%)=	1.00		2.00
Length (m)=	88.84		40.00
Mannings n =	0.013		0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.20	6.017	1.97	12.017	15.83	18.02	1.97
0.033	1.20	6.033	1.97	12.033	15.75	18.03	1.97
0.050	1.20	6.050	1.97	12.050	15.75	18.05	1.97
0.067	1.20	6.067	1.97	12.067	15.75	18.07	1.97
0.083	1.20	6.083	1.97	12.083	15.75	18.08	1.97
0.100	1.20	6.100	1.97	12.100	15.75	18.10	1.97
0.117	1.20	6.117	1.97	12.117	15.75	18.12	1.97
0.133	1.20	6.133	1.97	12.133	15.75	18.13	1.97
0.150	1.20	6.150	1.97	12.150	15.75	18.15	1.97
0.167	1.20	6.167	1.97	12.167	15.75	18.17	1.97
0.183	1.20	6.183	1.97	12.183	15.75	18.18	1.97
0.200	1.20	6.200	1.97	12.200	15.75	18.20	1.97
0.217	1.20	6.217	1.97	12.217	15.75	18.22	1.97
0.233	1.20	6.233	1.97	12.233	15.75	18.23	1.97
0.250	1.20	6.250	1.97	12.250	15.75	18.25	1.97
0.267	1.20	6.267	1.97	12.267	15.75	18.27	1.97
0.283	1.20	6.283	1.97	12.283	15.75	18.28	1.97
0.300	1.20	6.300	1.97	12.300	15.75	18.30	1.97
0.317	1.20	6.317	1.97	12.317	15.75	18.32	1.97
0.333	1.20	6.333	1.97	12.333	15.75	18.33	1.97
0.350	1.20	6.350	1.97	12.350	15.75	18.35	1.97
0.367	1.20	6.367	1.97	12.367	15.75	18.37	1.97
0.383	1.20	6.383	1.97	12.383	15.75	18.38	1.97
0.400	1.20	6.400	1.97	12.400	15.75	18.40	1.97
0.417	1.20	6.417	1.97	12.417	15.75	18.42	1.97
0.433	1.20	6.433	1.97	12.433	15.75	18.43	1.97
0.450	1.20	6.450	1.97	12.450	15.75	18.45	1.97
0.467	1.20	6.467	1.97	12.467	15.75	18.47	1.97
0.483	1.20	6.483	1.97	12.483	15.75	18.48	1.97
0.500	1.20	6.500	1.97	12.500	15.75	18.50	1.97
0.517	1.20	6.517	1.97	12.517	8.10	18.52	1.97
0.533	1.20	6.533	1.97	12.533	8.09	18.53	1.97
0.550	1.20	6.550	1.97	12.550	8.09	18.55	1.97
0.567	1.20	6.567	1.97	12.567	8.09	18.57	1.97
0.583	1.20	6.583	1.97	12.583	8.09	18.58	1.97
0.600	1.20	6.600	1.97	12.600	8.09	18.60	1.97
0.617	1.20	6.617	1.97	12.617	8.09	18.62	1.97
0.633	1.20	6.633	1.97	12.633	8.09	18.63	1.97
0.650	1.20	6.650	1.97	12.650	8.09	18.65	1.97
0.667	1.20	6.667	1.97	12.667	8.09	18.67	1.97
0.683	1.20	6.683	1.97	12.683	8.09	18.68	1.97
0.700	1.20	6.700	1.97	12.700	8.09	18.70	1.97
0.717	1.20	6.717	1.97	12.717	8.09	18.72	1.97
0.733	1.20	6.733	1.97	12.733	8.09	18.73	1.97
0.750	1.20	6.750	1.97	12.750	8.09	18.75	1.97
0.767	1.20	6.767	1.97	12.767	8.09	18.77	1.97
0.783	1.20	6.783	1.97	12.783	8.09	18.78	1.97
0.800	1.20	6.800	1.97	12.800	8.09	18.80	1.97
0.817	1.20	6.817	1.97	12.817	8.09	18.82	1.97
0.833	1.20	6.833	1.97	12.833	8.09	18.83	1.97
0.850	1.20	6.850	1.97	12.850	8.09	18.85	1.97
0.867	1.20	6.867	1.97	12.867	8.09	18.87	1.97
0.883	1.20	6.883	1.97	12.883	8.09	18.88	1.97
0.900	1.20	6.900	1.97	12.900	8.09	18.90	1.97
0.917	1.20	6.917	1.97	12.917	8.09	18.92	1.97
0.933	1.20	6.933	1.97	12.933	8.09	18.93	1.97
0.950	1.20	6.950	1.97	12.950	8.09	18.95	1.97
0.967	1.20	6.967	1.97	12.967	8.09	18.97	1.97
0.983	1.20	6.983	1.97	12.983	8.09	18.98	1.97
1.000	1.20	7.000	1.97	13.000	8.09	19.00	1.97
1.017	1.20	7.017	2.41	13.017	5.91	19.02	1.97
1.033	1.20	7.033	2.41	13.033	5.90	19.03	1.97
1.050	1.20	7.050	2.41	13.050	5.90	19.05	1.97
1.067	1.20	7.067	2.41	13.067	5.90	19.07	1.97
1.083	1.20	7.083	2.41	13.083	5.90	19.08	1.97
1.100	1.20	7.100	2.41	13.100	5.90	19.10	1.97
1.117	1.20	7.117	2.41	13.117	5.90	19.12	1.97
1.133	1.20	7.133	2.41	13.133	5.90	19.13	1.97
1.150	1.20	7.150	2.41	13.150	5.90	19.15	1.97
1.167	1.20	7.167	2.41	13.167	5.90	19.17	1.97
1.183	1.20	7.183	2.41	13.183	5.90	19.18	1.97
1.200	1.20	7.200	2.41	13.200	5.90	19.20	1.97
1.217	1.20	7.217	2.41	13.217	5.90	19.22	1.97
1.233	1.20	7.233	2.41	13.233	5.90	19.23	1.97
1.250	1.20	7.250	2.41	13.250	5.90	19.25	1.97
1.267	1.20	7.267	2.41	13.267	5.90	19.27	1.97
1.283	1.20	7.283	2.41	13.283	5.90	19.28	1.97
1.300	1.20	7.300	2.41	13.300	5.90	19.30	1.97

1.317	1.20	7.317	2.41	13.317	5.90	19.32	1.97
1.333	1.20	7.333	2.41	13.333	5.90	19.33	1.97
1.350	1.20	7.350	2.41	13.350	5.90	19.35	1.97
1.367	1.20	7.367	2.41	13.367	5.90	19.37	1.97
1.383	1.20	7.383	2.41	13.383	5.90	19.38	1.97
1.400	1.20	7.400	2.41	13.400	5.90	19.40	1.97
1.417	1.20	7.417	2.41	13.417	5.90	19.42	1.97
1.433	1.20	7.433	2.41	13.433	5.90	19.43	1.97
1.450	1.20	7.450	2.41	13.450	5.90	19.45	1.97
1.467	1.20	7.467	2.41	13.467	5.90	19.47	1.97
1.483	1.20	7.483	2.41	13.483	5.90	19.48	1.97
1.500	1.20	7.500	2.41	13.500	5.90	19.50	1.97
1.517	1.20	7.517	2.41	13.517	4.60	19.52	1.97
1.533	1.20	7.533	2.41	13.533	4.59	19.53	1.97
1.550	1.20	7.550	2.41	13.550	4.59	19.55	1.97
1.567	1.20	7.567	2.41	13.567	4.59	19.57	1.97
1.583	1.20	7.583	2.41	13.583	4.59	19.58	1.97
1.600	1.20	7.600	2.41	13.600	4.59	19.60	1.97
1.617	1.20	7.617	2.41	13.617	4.59	19.62	1.97
1.633	1.20	7.633	2.41	13.633	4.59	19.63	1.97
1.650	1.20	7.650	2.41	13.650	4.59	19.65	1.97
1.667	1.20	7.667	2.41	13.667	4.59	19.67	1.97
1.683	1.20	7.683	2.41	13.683	4.59	19.68	1.97
1.700	1.20	7.700	2.41	13.700	4.59	19.70	1.97
1.717	1.20	7.717	2.41	13.717	4.59	19.72	1.97
1.733	1.20	7.733	2.41	13.733	4.59	19.73	1.97
1.750	1.20	7.750	2.41	13.750	4.59	19.75	1.97
1.767	1.20	7.767	2.41	13.767	4.59	19.77	1.97
1.783	1.20	7.783	2.41	13.783	4.59	19.78	1.97
1.800	1.20	7.800	2.41	13.800	4.59	19.80	1.97
1.817	1.20	7.817	2.41	13.817	4.59	19.82	1.97
1.833	1.20	7.833	2.41	13.833	4.59	19.83	1.97
1.850	1.20	7.850	2.41	13.850	4.59	19.85	1.97
1.867	1.20	7.867	2.41	13.867	4.59	19.87	1.97
1.883	1.20	7.883	2.41	13.883	4.59	19.88	1.97
1.900	1.20	7.900	2.41	13.900	4.59	19.90	1.97
1.917	1.20	7.917	2.41	13.917	4.59	19.92	1.97
1.933	1.20	7.933	2.41	13.933	4.59	19.93	1.97
1.950	1.20	7.950	2.41	13.950	4.59	19.95	1.97
1.967	1.20	7.967	2.41	13.967	4.59	19.97	1.97
1.983	1.20	7.983	2.41	13.983	4.59	19.98	1.97
2.000	1.20	8.000	2.41	14.000	4.59	20.00	1.97
2.017	1.42	8.017	2.84	14.017	3.28	20.02	1.32
2.033	1.42	8.033	2.84	14.033	3.28	20.03	1.31
2.050	1.42	8.050	2.84	14.050	3.28	20.05	1.31
2.067	1.42	8.067	2.84	14.067	3.28	20.07	1.31
2.083	1.42	8.083	2.84	14.083	3.28	20.08	1.31
2.100	1.42	8.100	2.84	14.100	3.28	20.10	1.31
2.117	1.42	8.117	2.84	14.117	3.28	20.12	1.31
2.133	1.42	8.133	2.84	14.133	3.28	20.13	1.31
2.150	1.42	8.150	2.84	14.150	3.28	20.15	1.31
2.167	1.42	8.167	2.84	14.167	3.28	20.17	1.31
2.183	1.42	8.183	2.84	14.183	3.28	20.18	1.31
2.200	1.42	8.200	2.84	14.200	3.28	20.20	1.31
2.217	1.42	8.217	2.84	14.217	3.28	20.22	1.31
2.233	1.42	8.233	2.84	14.233	3.28	20.23	1.31
2.250	1.42	8.250	2.84	14.250	3.28	20.25	1.31
2.267	1.42	8.267	2.84	14.267	3.28	20.27	1.31
2.283	1.42	8.283	2.84	14.283	3.28	20.28	1.31
2.300	1.42	8.300	2.84	14.300	3.28	20.30	1.31
2.317	1.42	8.317	2.84	14.317	3.28	20.32	1.31
2.333	1.42	8.333	2.84	14.333	3.28	20.33	1.31
2.350	1.42	8.350	2.84	14.350	3.28	20.35	1.31
2.367	1.42	8.367	2.84	14.367	3.28	20.37	1.31
2.383	1.42	8.383	2.84	14.383	3.28	20.38	1.31
2.400	1.42	8.400	2.84	14.400	3.28	20.40	1.31
2.417	1.42	8.417	2.84	14.417	3.28	20.42	1.31
2.433	1.42	8.433	2.84	14.433	3.28	20.43	1.31
2.450	1.42	8.450	2.84	14.450	3.28	20.45	1.31
2.467	1.42	8.467	2.84	14.467	3.28	20.47	1.31
2.483	1.42	8.483	2.84	14.483	3.28	20.48	1.31
2.500	1.42	8.500	2.84	14.500	3.28	20.50	1.31
2.517	1.42	8.517	3.06	14.517	3.28	20.52	1.31
2.533	1.42	8.533	3.06	14.533	3.28	20.53	1.31
2.550	1.42	8.550	3.06	14.550	3.28	20.55	1.31
2.567	1.42	8.567	3.06	14.567	3.28	20.57	1.31
2.583	1.42	8.583	3.06	14.583	3.28	20.58	1.31
2.600	1.42	8.600	3.06	14.600	3.28	20.60	1.31
2.617	1.42	8.617	3.06	14.617	3.28	20.62	1.31
2.633	1.42	8.633	3.06	14.633	3.28	20.63	1.31
2.650	1.42	8.650	3.06	14.650	3.28	20.65	1.31
2.667	1.42	8.667	3.06	14.667	3.28	20.67	1.31
2.683	1.42	8.683	3.06	14.683	3.28	20.68	1.31
2.700	1.42	8.700	3.06	14.700	3.28	20.70	1.31

2.717	1.42	8.717	3.06	14.717	3.28	20.72	1.31
2.733	1.42	8.733	3.06	14.733	3.28	20.73	1.31
2.750	1.42	8.750	3.06	14.750	3.28	20.75	1.31
2.767	1.42	8.767	3.06	14.767	3.28	20.77	1.31
2.783	1.42	8.783	3.06	14.783	3.28	20.78	1.31
2.800	1.42	8.800	3.06	14.800	3.28	20.80	1.31
2.817	1.42	8.817	3.06	14.817	3.28	20.82	1.31
2.833	1.42	8.833	3.06	14.833	3.28	20.83	1.31
2.850	1.42	8.850	3.06	14.850	3.28	20.85	1.31
2.867	1.42	8.867	3.06	14.867	3.28	20.87	1.31
2.883	1.42	8.883	3.06	14.883	3.28	20.88	1.31
2.900	1.42	8.900	3.06	14.900	3.28	20.90	1.31
2.917	1.42	8.917	3.06	14.917	3.28	20.92	1.31
2.933	1.42	8.933	3.06	14.933	3.28	20.93	1.31
2.950	1.42	8.950	3.06	14.950	3.28	20.95	1.31
2.967	1.42	8.967	3.06	14.967	3.28	20.97	1.31
2.983	1.42	8.983	3.06	14.983	3.28	20.98	1.31
3.000	1.42	9.000	3.06	15.000	3.28	21.00	1.31
3.017	1.42	9.017	3.50	15.017	3.28	21.02	1.31
3.033	1.42	9.033	3.50	15.033	3.28	21.03	1.31
3.050	1.42	9.050	3.50	15.050	3.28	21.05	1.31
3.067	1.42	9.067	3.50	15.067	3.28	21.07	1.31
3.083	1.42	9.083	3.50	15.083	3.28	21.08	1.31
3.100	1.42	9.100	3.50	15.100	3.28	21.10	1.31
3.117	1.42	9.117	3.50	15.117	3.28	21.12	1.31
3.133	1.42	9.133	3.50	15.133	3.28	21.13	1.31
3.150	1.42	9.150	3.50	15.150	3.28	21.15	1.31
3.167	1.42	9.167	3.50	15.167	3.28	21.17	1.31
3.183	1.42	9.183	3.50	15.183	3.28	21.18	1.31
3.200	1.42	9.200	3.50	15.200	3.28	21.20	1.31
3.217	1.42	9.217	3.50	15.217	3.28	21.22	1.31
3.233	1.42	9.233	3.50	15.233	3.28	21.23	1.31
3.250	1.42	9.250	3.50	15.250	3.28	21.25	1.31
3.267	1.42	9.267	3.50	15.267	3.28	21.27	1.31
3.283	1.42	9.283	3.50	15.283	3.28	21.28	1.31
3.300	1.42	9.300	3.50	15.300	3.28	21.30	1.31
3.317	1.42	9.317	3.50	15.317	3.28	21.32	1.31
3.333	1.42	9.333	3.50	15.333	3.28	21.33	1.31
3.350	1.42	9.350	3.50	15.350	3.28	21.35	1.31
3.367	1.42	9.367	3.50	15.367	3.28	21.37	1.31
3.383	1.42	9.383	3.50	15.383	3.28	21.38	1.31
3.400	1.42	9.400	3.50	15.400	3.28	21.40	1.31
3.417	1.42	9.417	3.50	15.417	3.28	21.42	1.31
3.433	1.42	9.433	3.50	15.433	3.28	21.43	1.31
3.450	1.42	9.450	3.50	15.450	3.28	21.45	1.31
3.467	1.42	9.467	3.50	15.467	3.28	21.47	1.31
3.483	1.42	9.483	3.50	15.483	3.28	21.48	1.31
3.500	1.42	9.500	3.50	15.500	3.28	21.50	1.31
3.517	1.42	9.517	3.94	15.517	3.28	21.52	1.31
3.533	1.42	9.533	3.94	15.533	3.28	21.53	1.31
3.550	1.42	9.550	3.94	15.550	3.28	21.55	1.31
3.567	1.42	9.567	3.94	15.567	3.28	21.57	1.31
3.583	1.42	9.583	3.94	15.583	3.28	21.58	1.31
3.600	1.42	9.600	3.94	15.600	3.28	21.60	1.31
3.617	1.42	9.617	3.94	15.617	3.28	21.62	1.31
3.633	1.42	9.633	3.94	15.633	3.28	21.63	1.31
3.650	1.42	9.650	3.94	15.650	3.28	21.65	1.31
3.667	1.42	9.667	3.94	15.667	3.28	21.67	1.31
3.683	1.42	9.683	3.94	15.683	3.28	21.68	1.31
3.700	1.42	9.700	3.94	15.700	3.28	21.70	1.31
3.717	1.42	9.717	3.94	15.717	3.28	21.72	1.31
3.733	1.42	9.733	3.94	15.733	3.28	21.73	1.31
3.750	1.42	9.750	3.94	15.750	3.28	21.75	1.31
3.767	1.42	9.767	3.94	15.767	3.28	21.77	1.31
3.783	1.42	9.783	3.94	15.783	3.28	21.78	1.31
3.800	1.42	9.800	3.94	15.800	3.28	21.80	1.31
3.817	1.42	9.817	3.94	15.817	3.28	21.82	1.31
3.833	1.42	9.833	3.94	15.833	3.28	21.83	1.31
3.850	1.42	9.850	3.94	15.850	3.28	21.85	1.31
3.867	1.42	9.867	3.94	15.867	3.28	21.87	1.31
3.883	1.42	9.883	3.94	15.883	3.28	21.88	1.31
3.900	1.42	9.900	3.94	15.900	3.28	21.90	1.31
3.917	1.42	9.917	3.94	15.917	3.28	21.92	1.31
3.933	1.42	9.933	3.94	15.933	3.28	21.93	1.31
3.950	1.42	9.950	3.94	15.950	3.28	21.95	1.31
3.967	1.42	9.967	3.94	15.967	3.28	21.97	1.31
3.983	1.42	9.983	3.94	15.983	3.28	21.98	1.31
4.000	1.42	10.000	3.94	16.000	3.28	22.00	1.31
4.017	1.75	10.017	5.03	16.017	1.97	22.02	1.31
4.033	1.75	10.033	5.03	16.033	1.97	22.03	1.31
4.050	1.75	10.050	5.03	16.050	1.97	22.05	1.31
4.067	1.75	10.067	5.03	16.067	1.97	22.07	1.31
4.083	1.75	10.083	5.03	16.083	1.97	22.08	1.31
4.100	1.75	10.100	5.03	16.100	1.97	22.10	1.31

4.117	1.75	10.117	5.03	16.117	1.97	22.12	1.31
4.133	1.75	10.133	5.03	16.133	1.97	22.13	1.31
4.150	1.75	10.150	5.03	16.150	1.97	22.15	1.31
4.167	1.75	10.167	5.03	16.167	1.97	22.17	1.31
4.183	1.75	10.183	5.03	16.183	1.97	22.18	1.31
4.200	1.75	10.200	5.03	16.200	1.97	22.20	1.31
4.217	1.75	10.217	5.03	16.217	1.97	22.22	1.31
4.233	1.75	10.233	5.03	16.233	1.97	22.23	1.31
4.250	1.75	10.250	5.03	16.250	1.97	22.25	1.31
4.267	1.75	10.267	5.03	16.267	1.97	22.27	1.31
4.283	1.75	10.283	5.03	16.283	1.97	22.28	1.31
4.300	1.75	10.300	5.03	16.300	1.97	22.30	1.31
4.317	1.75	10.317	5.03	16.317	1.97	22.32	1.31
4.333	1.75	10.333	5.03	16.333	1.97	22.33	1.31
4.350	1.75	10.350	5.03	16.350	1.97	22.35	1.31
4.367	1.75	10.367	5.03	16.367	1.97	22.37	1.31
4.383	1.75	10.383	5.03	16.383	1.97	22.38	1.31
4.400	1.75	10.400	5.03	16.400	1.97	22.40	1.31
4.417	1.75	10.417	5.03	16.417	1.97	22.42	1.31
4.433	1.75	10.433	5.03	16.433	1.97	22.43	1.31
4.450	1.75	10.450	5.03	16.450	1.97	22.45	1.31
4.467	1.75	10.467	5.03	16.467	1.97	22.47	1.31
4.483	1.75	10.483	5.03	16.483	1.97	22.48	1.31
4.500	1.75	10.500	5.03	16.500	1.97	22.50	1.31
4.517	1.75	10.517	6.78	16.517	1.97	22.52	1.31
4.533	1.75	10.533	6.78	16.533	1.97	22.53	1.31
4.550	1.75	10.550	6.78	16.550	1.97	22.55	1.31
4.567	1.75	10.567	6.78	16.567	1.97	22.57	1.31
4.583	1.75	10.583	6.78	16.583	1.97	22.58	1.31
4.600	1.75	10.600	6.78	16.600	1.97	22.60	1.31
4.617	1.75	10.617	6.78	16.617	1.97	22.62	1.31
4.633	1.75	10.633	6.78	16.633	1.97	22.63	1.31
4.650	1.75	10.650	6.78	16.650	1.97	22.65	1.31
4.667	1.75	10.667	6.78	16.667	1.97	22.67	1.31
4.683	1.75	10.683	6.78	16.683	1.97	22.68	1.31
4.700	1.75	10.700	6.78	16.700	1.97	22.70	1.31
4.717	1.75	10.717	6.78	16.717	1.97	22.72	1.31
4.733	1.75	10.733	6.78	16.733	1.97	22.73	1.31
4.750	1.75	10.750	6.78	16.750	1.97	22.75	1.31
4.767	1.75	10.767	6.78	16.767	1.97	22.77	1.31
4.783	1.75	10.783	6.78	16.783	1.97	22.78	1.31
4.800	1.75	10.800	6.78	16.800	1.97	22.80	1.31
4.817	1.75	10.817	6.78	16.817	1.97	22.82	1.31
4.833	1.75	10.833	6.78	16.833	1.97	22.83	1.31
4.850	1.75	10.850	6.78	16.850	1.97	22.85	1.31
4.867	1.75	10.867	6.78	16.867	1.97	22.87	1.31
4.883	1.75	10.883	6.78	16.883	1.97	22.88	1.31
4.900	1.75	10.900	6.78	16.900	1.97	22.90	1.31
4.917	1.75	10.917	6.78	16.917	1.97	22.92	1.31
4.933	1.75	10.933	6.78	16.933	1.97	22.93	1.31
4.950	1.75	10.950	6.78	16.950	1.97	22.95	1.31
4.967	1.75	10.967	6.78	16.967	1.97	22.97	1.31
4.983	1.75	10.983	6.78	16.983	1.97	22.98	1.31
5.000	1.75	11.000	6.78	17.000	1.97	23.00	1.31
5.017	1.75	11.017	10.50	17.017	1.97	23.02	1.31
5.033	1.75	11.033	10.50	17.033	1.97	23.03	1.31
5.050	1.75	11.050	10.50	17.050	1.97	23.05	1.31
5.067	1.75	11.067	10.50	17.067	1.97	23.07	1.31
5.083	1.75	11.083	10.50	17.083	1.97	23.08	1.31
5.100	1.75	11.100	10.50	17.100	1.97	23.10	1.31
5.117	1.75	11.117	10.50	17.117	1.97	23.12	1.31
5.133	1.75	11.133	10.50	17.133	1.97	23.13	1.31
5.150	1.75	11.150	10.50	17.150	1.97	23.15	1.31
5.167	1.75	11.167	10.50	17.167	1.97	23.17	1.31
5.183	1.75	11.183	10.50	17.183	1.97	23.18	1.31
5.200	1.75	11.200	10.50	17.200	1.97	23.20	1.31
5.217	1.75	11.217	10.50	17.217	1.97	23.22	1.31
5.233	1.75	11.233	10.50	17.233	1.97	23.23	1.31
5.250	1.75	11.250	10.50	17.250	1.97	23.25	1.31
5.267	1.75	11.267	10.50	17.267	1.97	23.27	1.31
5.283	1.75	11.283	10.50	17.283	1.97	23.28	1.31
5.300	1.75	11.300	10.50	17.300	1.97	23.30	1.31
5.317	1.75	11.317	10.50	17.317	1.97	23.32	1.31
5.333	1.75	11.333	10.50	17.333	1.97	23.33	1.31
5.350	1.75	11.350	10.50	17.350	1.97	23.35	1.31
5.367	1.75	11.367	10.50	17.367	1.97	23.37	1.31
5.383	1.75	11.383	10.50	17.383	1.97	23.38	1.31
5.400	1.75	11.400	10.50	17.400	1.97	23.40	1.31
5.417	1.75	11.417	10.50	17.417	1.97	23.42	1.31
5.433	1.75	11.433	10.50	17.433	1.97	23.43	1.31
5.450	1.75	11.450	10.50	17.450	1.97	23.45	1.31
5.467	1.75	11.467	10.50	17.467	1.97	23.47	1.31
5.483	1.75	11.483	10.50	17.483	1.97	23.48	1.31
5.500	1.75	11.500	10.50	17.500	1.97	23.50	1.31

5.517	1.75	11.517	32.36	17.517	1.97	23.52	1.31
5.533	1.75	11.533	32.37	17.533	1.97	23.53	1.31
5.550	1.75	11.550	32.37	17.550	1.97	23.55	1.31
5.567	1.75	11.567	32.37	17.567	1.97	23.57	1.31
5.583	1.75	11.583	32.37	17.583	1.97	23.58	1.31
5.600	1.75	11.600	32.37	17.600	1.97	23.60	1.31
5.617	1.75	11.617	32.37	17.617	1.97	23.62	1.31
5.633	1.75	11.633	32.37	17.633	1.97	23.63	1.31
5.650	1.75	11.650	32.37	17.650	1.97	23.65	1.31
5.667	1.75	11.667	32.37	17.667	1.97	23.67	1.31
5.683	1.75	11.683	32.37	17.683	1.97	23.68	1.31
5.700	1.75	11.700	32.37	17.700	1.97	23.70	1.31
5.717	1.75	11.717	32.37	17.717	1.97	23.72	1.31
5.733	1.75	11.733	32.37	17.733	1.97	23.73	1.31
5.750	1.75	11.750	32.37	17.750	1.97	23.75	1.31
5.767	1.75	11.767	133.80	17.767	1.97	23.77	1.31
5.783	1.75	11.783	133.84	17.783	1.97	23.78	1.31
5.800	1.75	11.800	133.84	17.800	1.97	23.80	1.31
5.817	1.75	11.817	133.84	17.817	1.97	23.82	1.31
5.833	1.75	11.833	133.84	17.833	1.97	23.83	1.31
5.850	1.75	11.850	133.84	17.850	1.97	23.85	1.31
5.867	1.75	11.867	133.84	17.867	1.97	23.87	1.31
5.883	1.75	11.883	133.84	17.883	1.97	23.88	1.31
5.900	1.75	11.900	133.84	17.900	1.97	23.90	1.31
5.917	1.75	11.917	133.84	17.917	1.97	23.92	1.31
5.933	1.75	11.933	133.84	17.933	1.97	23.93	1.31
5.950	1.75	11.950	133.84	17.950	1.97	23.95	1.31
5.967	1.75	11.967	133.84	17.967	1.97	23.97	1.31
5.983	1.75	11.983	133.84	17.983	1.97	23.98	1.31
6.000	1.75	12.000	133.84	18.000	1.97	24.00	1.31

Max.Eff.Inten.(mm/hr)= 133.84 49.70
over (min) 5.00 12.00
Storage Coeff. (min)= 2.12 (ii) 11.45 (ii)
Unit Hyd. Tpeak (min)= 5.00 12.00
Unit Hyd. peak (cms)= 0.36 0.10

TOTALS

PEAK FLOW (cms)= 0.10 0.08 0.162 (iii)
TIME TO PEAK (hrs)= 12.00 12.10 12.02
RUNOFF VOLUME (mm)= 107.34 34.16 50.26
TOTAL RAINFALL (mm)= 109.35 109.35 109.35
RUNOFF COEFFICIENT = 0.98 0.31 0.46

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0203)
ID= 1 DT= 1.0 min
Area (ha)= 17.16
Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

IMPERVIOUS PERVIOUS (i)
Surface Area (ha)= 7.21 9.95
Dep. Storage (mm)= 2.00 5.00
Average Slope (%)= 1.00 2.00
Length (m)= 267.45 40.00
Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.20	6.017	1.97	12.017	15.83	18.02	1.97
0.033	1.20	6.033	1.97	12.033	15.75	18.03	1.97
0.050	1.20	6.050	1.97	12.050	15.75	18.05	1.97
0.067	1.20	6.067	1.97	12.067	15.75	18.07	1.97
0.083	1.20	6.083	1.97	12.083	15.75	18.08	1.97
0.100	1.20	6.100	1.97	12.100	15.75	18.10	1.97
0.117	1.20	6.117	1.97	12.117	15.75	18.12	1.97
0.133	1.20	6.133	1.97	12.133	15.75	18.13	1.97
0.150	1.20	6.150	1.97	12.150	15.75	18.15	1.97
0.167	1.20	6.167	1.97	12.167	15.75	18.17	1.97
0.183	1.20	6.183	1.97	12.183	15.75	18.18	1.97
0.200	1.20	6.200	1.97	12.200	15.75	18.20	1.97
0.217	1.20	6.217	1.97	12.217	15.75	18.22	1.97
0.233	1.20	6.233	1.97	12.233	15.75	18.23	1.97
0.250	1.20	6.250	1.97	12.250	15.75	18.25	1.97

0.267	1.20	6.267	1.97	12.267	15.75	18.27	1.97
0.283	1.20	6.283	1.97	12.283	15.75	18.28	1.97
0.300	1.20	6.300	1.97	12.300	15.75	18.30	1.97
0.317	1.20	6.317	1.97	12.317	15.75	18.32	1.97
0.333	1.20	6.333	1.97	12.333	15.75	18.33	1.97
0.350	1.20	6.350	1.97	12.350	15.75	18.35	1.97
0.367	1.20	6.367	1.97	12.367	15.75	18.37	1.97
0.383	1.20	6.383	1.97	12.383	15.75	18.38	1.97
0.400	1.20	6.400	1.97	12.400	15.75	18.40	1.97
0.417	1.20	6.417	1.97	12.417	15.75	18.42	1.97
0.433	1.20	6.433	1.97	12.433	15.75	18.43	1.97
0.450	1.20	6.450	1.97	12.450	15.75	18.45	1.97
0.467	1.20	6.467	1.97	12.467	15.75	18.47	1.97
0.483	1.20	6.483	1.97	12.483	15.75	18.48	1.97
0.500	1.20	6.500	1.97	12.500	15.75	18.50	1.97
0.517	1.20	6.517	1.97	12.517	8.10	18.52	1.97
0.533	1.20	6.533	1.97	12.533	8.09	18.53	1.97
0.550	1.20	6.550	1.97	12.550	8.09	18.55	1.97
0.567	1.20	6.567	1.97	12.567	8.09	18.57	1.97
0.583	1.20	6.583	1.97	12.583	8.09	18.58	1.97
0.600	1.20	6.600	1.97	12.600	8.09	18.60	1.97
0.617	1.20	6.617	1.97	12.617	8.09	18.62	1.97
0.633	1.20	6.633	1.97	12.633	8.09	18.63	1.97
0.650	1.20	6.650	1.97	12.650	8.09	18.65	1.97
0.667	1.20	6.667	1.97	12.667	8.09	18.67	1.97
0.683	1.20	6.683	1.97	12.683	8.09	18.68	1.97
0.700	1.20	6.700	1.97	12.700	8.09	18.70	1.97
0.717	1.20	6.717	1.97	12.717	8.09	18.72	1.97
0.733	1.20	6.733	1.97	12.733	8.09	18.73	1.97
0.750	1.20	6.750	1.97	12.750	8.09	18.75	1.97
0.767	1.20	6.767	1.97	12.767	8.09	18.77	1.97
0.783	1.20	6.783	1.97	12.783	8.09	18.78	1.97
0.800	1.20	6.800	1.97	12.800	8.09	18.80	1.97
0.817	1.20	6.817	1.97	12.817	8.09	18.82	1.97
0.833	1.20	6.833	1.97	12.833	8.09	18.83	1.97
0.850	1.20	6.850	1.97	12.850	8.09	18.85	1.97
0.867	1.20	6.867	1.97	12.867	8.09	18.87	1.97
0.883	1.20	6.883	1.97	12.883	8.09	18.88	1.97
0.900	1.20	6.900	1.97	12.900	8.09	18.90	1.97
0.917	1.20	6.917	1.97	12.917	8.09	18.92	1.97
0.933	1.20	6.933	1.97	12.933	8.09	18.93	1.97
0.950	1.20	6.950	1.97	12.950	8.09	18.95	1.97
0.967	1.20	6.967	1.97	12.967	8.09	18.97	1.97
0.983	1.20	6.983	1.97	12.983	8.09	18.98	1.97
1.000	1.20	7.000	1.97	13.000	8.09	19.00	1.97
1.017	1.20	7.017	2.41	13.017	5.91	19.02	1.97
1.033	1.20	7.033	2.41	13.033	5.90	19.03	1.97
1.050	1.20	7.050	2.41	13.050	5.90	19.05	1.97
1.067	1.20	7.067	2.41	13.067	5.90	19.07	1.97
1.083	1.20	7.083	2.41	13.083	5.90	19.08	1.97
1.100	1.20	7.100	2.41	13.100	5.90	19.10	1.97
1.117	1.20	7.117	2.41	13.117	5.90	19.12	1.97
1.133	1.20	7.133	2.41	13.133	5.90	19.13	1.97
1.150	1.20	7.150	2.41	13.150	5.90	19.15	1.97
1.167	1.20	7.167	2.41	13.167	5.90	19.17	1.97
1.183	1.20	7.183	2.41	13.183	5.90	19.18	1.97
1.200	1.20	7.200	2.41	13.200	5.90	19.20	1.97
1.217	1.20	7.217	2.41	13.217	5.90	19.22	1.97
1.233	1.20	7.233	2.41	13.233	5.90	19.23	1.97
1.250	1.20	7.250	2.41	13.250	5.90	19.25	1.97
1.267	1.20	7.267	2.41	13.267	5.90	19.27	1.97
1.283	1.20	7.283	2.41	13.283	5.90	19.28	1.97
1.300	1.20	7.300	2.41	13.300	5.90	19.30	1.97
1.317	1.20	7.317	2.41	13.317	5.90	19.32	1.97
1.333	1.20	7.333	2.41	13.333	5.90	19.33	1.97
1.350	1.20	7.350	2.41	13.350	5.90	19.35	1.97
1.367	1.20	7.367	2.41	13.367	5.90	19.37	1.97
1.383	1.20	7.383	2.41	13.383	5.90	19.38	1.97
1.400	1.20	7.400	2.41	13.400	5.90	19.40	1.97
1.417	1.20	7.417	2.41	13.417	5.90	19.42	1.97
1.433	1.20	7.433	2.41	13.433	5.90	19.43	1.97
1.450	1.20	7.450	2.41	13.450	5.90	19.45	1.97
1.467	1.20	7.467	2.41	13.467	5.90	19.47	1.97
1.483	1.20	7.483	2.41	13.483	5.90	19.48	1.97
1.500	1.20	7.500	2.41	13.500	5.90	19.50	1.97
1.517	1.20	7.517	2.41	13.517	4.60	19.52	1.97
1.533	1.20	7.533	2.41	13.533	4.59	19.53	1.97
1.550	1.20	7.550	2.41	13.550	4.59	19.55	1.97
1.567	1.20	7.567	2.41	13.567	4.59	19.57	1.97
1.583	1.20	7.583	2.41	13.583	4.59	19.58	1.97
1.600	1.20	7.600	2.41	13.600	4.59	19.60	1.97
1.617	1.20	7.617	2.41	13.617	4.59	19.62	1.97
1.633	1.20	7.633	2.41	13.633	4.59	19.63	1.97
1.650	1.20	7.650	2.41	13.650	4.59	19.65	1.97

1.667	1.20	7.667	2.41	13.667	4.59	19.67	1.97
1.683	1.20	7.683	2.41	13.683	4.59	19.68	1.97
1.700	1.20	7.700	2.41	13.700	4.59	19.70	1.97
1.717	1.20	7.717	2.41	13.717	4.59	19.72	1.97
1.733	1.20	7.733	2.41	13.733	4.59	19.73	1.97
1.750	1.20	7.750	2.41	13.750	4.59	19.75	1.97
1.767	1.20	7.767	2.41	13.767	4.59	19.77	1.97
1.783	1.20	7.783	2.41	13.783	4.59	19.78	1.97
1.800	1.20	7.800	2.41	13.800	4.59	19.80	1.97
1.817	1.20	7.817	2.41	13.817	4.59	19.82	1.97
1.833	1.20	7.833	2.41	13.833	4.59	19.83	1.97
1.850	1.20	7.850	2.41	13.850	4.59	19.85	1.97
1.867	1.20	7.867	2.41	13.867	4.59	19.87	1.97
1.883	1.20	7.883	2.41	13.883	4.59	19.88	1.97
1.900	1.20	7.900	2.41	13.900	4.59	19.90	1.97
1.917	1.20	7.917	2.41	13.917	4.59	19.92	1.97
1.933	1.20	7.933	2.41	13.933	4.59	19.93	1.97
1.950	1.20	7.950	2.41	13.950	4.59	19.95	1.97
1.967	1.20	7.967	2.41	13.967	4.59	19.97	1.97
1.983	1.20	7.983	2.41	13.983	4.59	19.98	1.97
2.000	1.20	8.000	2.41	14.000	4.59	20.00	1.97
2.017	1.42	8.017	2.84	14.017	3.28	20.02	1.32
2.033	1.42	8.033	2.84	14.033	3.28	20.03	1.31
2.050	1.42	8.050	2.84	14.050	3.28	20.05	1.31
2.067	1.42	8.067	2.84	14.067	3.28	20.07	1.31
2.083	1.42	8.083	2.84	14.083	3.28	20.08	1.31
2.100	1.42	8.100	2.84	14.100	3.28	20.10	1.31
2.117	1.42	8.117	2.84	14.117	3.28	20.12	1.31
2.133	1.42	8.133	2.84	14.133	3.28	20.13	1.31
2.150	1.42	8.150	2.84	14.150	3.28	20.15	1.31
2.167	1.42	8.167	2.84	14.167	3.28	20.17	1.31
2.183	1.42	8.183	2.84	14.183	3.28	20.18	1.31
2.200	1.42	8.200	2.84	14.200	3.28	20.20	1.31
2.217	1.42	8.217	2.84	14.217	3.28	20.22	1.31
2.233	1.42	8.233	2.84	14.233	3.28	20.23	1.31
2.250	1.42	8.250	2.84	14.250	3.28	20.25	1.31
2.267	1.42	8.267	2.84	14.267	3.28	20.27	1.31
2.283	1.42	8.283	2.84	14.283	3.28	20.28	1.31
2.300	1.42	8.300	2.84	14.300	3.28	20.30	1.31
2.317	1.42	8.317	2.84	14.317	3.28	20.32	1.31
2.333	1.42	8.333	2.84	14.333	3.28	20.33	1.31
2.350	1.42	8.350	2.84	14.350	3.28	20.35	1.31
2.367	1.42	8.367	2.84	14.367	3.28	20.37	1.31
2.383	1.42	8.383	2.84	14.383	3.28	20.38	1.31
2.400	1.42	8.400	2.84	14.400	3.28	20.40	1.31
2.417	1.42	8.417	2.84	14.417	3.28	20.42	1.31
2.433	1.42	8.433	2.84	14.433	3.28	20.43	1.31
2.450	1.42	8.450	2.84	14.450	3.28	20.45	1.31
2.467	1.42	8.467	2.84	14.467	3.28	20.47	1.31
2.483	1.42	8.483	2.84	14.483	3.28	20.48	1.31
2.500	1.42	8.500	2.84	14.500	3.28	20.50	1.31
2.517	1.42	8.517	3.06	14.517	3.28	20.52	1.31
2.533	1.42	8.533	3.06	14.533	3.28	20.53	1.31
2.550	1.42	8.550	3.06	14.550	3.28	20.55	1.31
2.567	1.42	8.567	3.06	14.567	3.28	20.57	1.31
2.583	1.42	8.583	3.06	14.583	3.28	20.58	1.31
2.600	1.42	8.600	3.06	14.600	3.28	20.60	1.31
2.617	1.42	8.617	3.06	14.617	3.28	20.62	1.31
2.633	1.42	8.633	3.06	14.633	3.28	20.63	1.31
2.650	1.42	8.650	3.06	14.650	3.28	20.65	1.31
2.667	1.42	8.667	3.06	14.667	3.28	20.67	1.31
2.683	1.42	8.683	3.06	14.683	3.28	20.68	1.31
2.700	1.42	8.700	3.06	14.700	3.28	20.70	1.31
2.717	1.42	8.717	3.06	14.717	3.28	20.72	1.31
2.733	1.42	8.733	3.06	14.733	3.28	20.73	1.31
2.750	1.42	8.750	3.06	14.750	3.28	20.75	1.31
2.767	1.42	8.767	3.06	14.767	3.28	20.77	1.31
2.783	1.42	8.783	3.06	14.783	3.28	20.78	1.31
2.800	1.42	8.800	3.06	14.800	3.28	20.80	1.31
2.817	1.42	8.817	3.06	14.817	3.28	20.82	1.31
2.833	1.42	8.833	3.06	14.833	3.28	20.83	1.31
2.850	1.42	8.850	3.06	14.850	3.28	20.85	1.31
2.867	1.42	8.867	3.06	14.867	3.28	20.87	1.31
2.883	1.42	8.883	3.06	14.883	3.28	20.88	1.31
2.900	1.42	8.900	3.06	14.900	3.28	20.90	1.31
2.917	1.42	8.917	3.06	14.917	3.28	20.92	1.31
2.933	1.42	8.933	3.06	14.933	3.28	20.93	1.31
2.950	1.42	8.950	3.06	14.950	3.28	20.95	1.31
2.967	1.42	8.967	3.06	14.967	3.28	20.97	1.31
2.983	1.42	8.983	3.06	14.983	3.28	20.98	1.31
3.000	1.42	9.000	3.06	15.000	3.28	21.00	1.31
3.017	1.42	9.017	3.50	15.017	3.28	21.02	1.31
3.033	1.42	9.033	3.50	15.033	3.28	21.03	1.31
3.050	1.42	9.050	3.50	15.050	3.28	21.05	1.31

3.067	1.42	9.067	3.50	15.067	3.28	21.07	1.31
3.083	1.42	9.083	3.50	15.083	3.28	21.08	1.31
3.100	1.42	9.100	3.50	15.100	3.28	21.10	1.31
3.117	1.42	9.117	3.50	15.117	3.28	21.12	1.31
3.133	1.42	9.133	3.50	15.133	3.28	21.13	1.31
3.150	1.42	9.150	3.50	15.150	3.28	21.15	1.31
3.167	1.42	9.167	3.50	15.167	3.28	21.17	1.31
3.183	1.42	9.183	3.50	15.183	3.28	21.18	1.31
3.200	1.42	9.200	3.50	15.200	3.28	21.20	1.31
3.217	1.42	9.217	3.50	15.217	3.28	21.22	1.31
3.233	1.42	9.233	3.50	15.233	3.28	21.23	1.31
3.250	1.42	9.250	3.50	15.250	3.28	21.25	1.31
3.267	1.42	9.267	3.50	15.267	3.28	21.27	1.31
3.283	1.42	9.283	3.50	15.283	3.28	21.28	1.31
3.300	1.42	9.300	3.50	15.300	3.28	21.30	1.31
3.317	1.42	9.317	3.50	15.317	3.28	21.32	1.31
3.333	1.42	9.333	3.50	15.333	3.28	21.33	1.31
3.350	1.42	9.350	3.50	15.350	3.28	21.35	1.31
3.367	1.42	9.367	3.50	15.367	3.28	21.37	1.31
3.383	1.42	9.383	3.50	15.383	3.28	21.38	1.31
3.400	1.42	9.400	3.50	15.400	3.28	21.40	1.31
3.417	1.42	9.417	3.50	15.417	3.28	21.42	1.31
3.433	1.42	9.433	3.50	15.433	3.28	21.43	1.31
3.450	1.42	9.450	3.50	15.450	3.28	21.45	1.31
3.467	1.42	9.467	3.50	15.467	3.28	21.47	1.31
3.483	1.42	9.483	3.50	15.483	3.28	21.48	1.31
3.500	1.42	9.500	3.50	15.500	3.28	21.50	1.31
3.517	1.42	9.517	3.94	15.517	3.28	21.52	1.31
3.533	1.42	9.533	3.94	15.533	3.28	21.53	1.31
3.550	1.42	9.550	3.94	15.550	3.28	21.55	1.31
3.567	1.42	9.567	3.94	15.567	3.28	21.57	1.31
3.583	1.42	9.583	3.94	15.583	3.28	21.58	1.31
3.600	1.42	9.600	3.94	15.600	3.28	21.60	1.31
3.617	1.42	9.617	3.94	15.617	3.28	21.62	1.31
3.633	1.42	9.633	3.94	15.633	3.28	21.63	1.31
3.650	1.42	9.650	3.94	15.650	3.28	21.65	1.31
3.667	1.42	9.667	3.94	15.667	3.28	21.67	1.31
3.683	1.42	9.683	3.94	15.683	3.28	21.68	1.31
3.700	1.42	9.700	3.94	15.700	3.28	21.70	1.31
3.717	1.42	9.717	3.94	15.717	3.28	21.72	1.31
3.733	1.42	9.733	3.94	15.733	3.28	21.73	1.31
3.750	1.42	9.750	3.94	15.750	3.28	21.75	1.31
3.767	1.42	9.767	3.94	15.767	3.28	21.77	1.31
3.783	1.42	9.783	3.94	15.783	3.28	21.78	1.31
3.800	1.42	9.800	3.94	15.800	3.28	21.80	1.31
3.817	1.42	9.817	3.94	15.817	3.28	21.82	1.31
3.833	1.42	9.833	3.94	15.833	3.28	21.83	1.31
3.850	1.42	9.850	3.94	15.850	3.28	21.85	1.31
3.867	1.42	9.867	3.94	15.867	3.28	21.87	1.31
3.883	1.42	9.883	3.94	15.883	3.28	21.88	1.31
3.900	1.42	9.900	3.94	15.900	3.28	21.90	1.31
3.917	1.42	9.917	3.94	15.917	3.28	21.92	1.31
3.933	1.42	9.933	3.94	15.933	3.28	21.93	1.31
3.950	1.42	9.950	3.94	15.950	3.28	21.95	1.31
3.967	1.42	9.967	3.94	15.967	3.28	21.97	1.31
3.983	1.42	9.983	3.94	15.983	3.28	21.98	1.31
4.000	1.42	10.000	3.94	16.000	3.28	22.00	1.31
4.017	1.75	10.017	5.03	16.017	1.97	22.02	1.31
4.033	1.75	10.033	5.03	16.033	1.97	22.03	1.31
4.050	1.75	10.050	5.03	16.050	1.97	22.05	1.31
4.067	1.75	10.067	5.03	16.067	1.97	22.07	1.31
4.083	1.75	10.083	5.03	16.083	1.97	22.08	1.31
4.100	1.75	10.100	5.03	16.100	1.97	22.10	1.31
4.117	1.75	10.117	5.03	16.117	1.97	22.12	1.31
4.133	1.75	10.133	5.03	16.133	1.97	22.13	1.31
4.150	1.75	10.150	5.03	16.150	1.97	22.15	1.31
4.167	1.75	10.167	5.03	16.167	1.97	22.17	1.31
4.183	1.75	10.183	5.03	16.183	1.97	22.18	1.31
4.200	1.75	10.200	5.03	16.200	1.97	22.20	1.31
4.217	1.75	10.217	5.03	16.217	1.97	22.22	1.31
4.233	1.75	10.233	5.03	16.233	1.97	22.23	1.31
4.250	1.75	10.250	5.03	16.250	1.97	22.25	1.31
4.267	1.75	10.267	5.03	16.267	1.97	22.27	1.31
4.283	1.75	10.283	5.03	16.283	1.97	22.28	1.31
4.300	1.75	10.300	5.03	16.300	1.97	22.30	1.31
4.317	1.75	10.317	5.03	16.317	1.97	22.32	1.31
4.333	1.75	10.333	5.03	16.333	1.97	22.33	1.31
4.350	1.75	10.350	5.03	16.350	1.97	22.35	1.31
4.367	1.75	10.367	5.03	16.367	1.97	22.37	1.31
4.383	1.75	10.383	5.03	16.383	1.97	22.38	1.31
4.400	1.75	10.400	5.03	16.400	1.97	22.40	1.31
4.417	1.75	10.417	5.03	16.417	1.97	22.42	1.31
4.433	1.75	10.433	5.03	16.433	1.97	22.43	1.31
4.450	1.75	10.450	5.03	16.450	1.97	22.45	1.31

4.467	1.75	10.467	5.03	16.467	1.97	22.47	1.31
4.483	1.75	10.483	5.03	16.483	1.97	22.48	1.31
4.500	1.75	10.500	5.03	16.500	1.97	22.50	1.31
4.517	1.75	10.517	6.78	16.517	1.97	22.52	1.31
4.533	1.75	10.533	6.78	16.533	1.97	22.53	1.31
4.550	1.75	10.550	6.78	16.550	1.97	22.55	1.31
4.567	1.75	10.567	6.78	16.567	1.97	22.57	1.31
4.583	1.75	10.583	6.78	16.583	1.97	22.58	1.31
4.600	1.75	10.600	6.78	16.600	1.97	22.60	1.31
4.617	1.75	10.617	6.78	16.617	1.97	22.62	1.31
4.633	1.75	10.633	6.78	16.633	1.97	22.63	1.31
4.650	1.75	10.650	6.78	16.650	1.97	22.65	1.31
4.667	1.75	10.667	6.78	16.667	1.97	22.67	1.31
4.683	1.75	10.683	6.78	16.683	1.97	22.68	1.31
4.700	1.75	10.700	6.78	16.700	1.97	22.70	1.31
4.717	1.75	10.717	6.78	16.717	1.97	22.72	1.31
4.733	1.75	10.733	6.78	16.733	1.97	22.73	1.31
4.750	1.75	10.750	6.78	16.750	1.97	22.75	1.31
4.767	1.75	10.767	6.78	16.767	1.97	22.77	1.31
4.783	1.75	10.783	6.78	16.783	1.97	22.78	1.31
4.800	1.75	10.800	6.78	16.800	1.97	22.80	1.31
4.817	1.75	10.817	6.78	16.817	1.97	22.82	1.31
4.833	1.75	10.833	6.78	16.833	1.97	22.83	1.31
4.850	1.75	10.850	6.78	16.850	1.97	22.85	1.31
4.867	1.75	10.867	6.78	16.867	1.97	22.87	1.31
4.883	1.75	10.883	6.78	16.883	1.97	22.88	1.31
4.900	1.75	10.900	6.78	16.900	1.97	22.90	1.31
4.917	1.75	10.917	6.78	16.917	1.97	22.92	1.31
4.933	1.75	10.933	6.78	16.933	1.97	22.93	1.31
4.950	1.75	10.950	6.78	16.950	1.97	22.95	1.31
4.967	1.75	10.967	6.78	16.967	1.97	22.97	1.31
4.983	1.75	10.983	6.78	16.983	1.97	22.98	1.31
5.000	1.75	11.000	6.78	17.000	1.97	23.00	1.31
5.017	1.75	11.017	10.50	17.017	1.97	23.02	1.31
5.033	1.75	11.033	10.50	17.033	1.97	23.03	1.31
5.050	1.75	11.050	10.50	17.050	1.97	23.05	1.31
5.067	1.75	11.067	10.50	17.067	1.97	23.07	1.31
5.083	1.75	11.083	10.50	17.083	1.97	23.08	1.31
5.100	1.75	11.100	10.50	17.100	1.97	23.10	1.31
5.117	1.75	11.117	10.50	17.117	1.97	23.12	1.31
5.133	1.75	11.133	10.50	17.133	1.97	23.13	1.31
5.150	1.75	11.150	10.50	17.150	1.97	23.15	1.31
5.167	1.75	11.167	10.50	17.167	1.97	23.17	1.31
5.183	1.75	11.183	10.50	17.183	1.97	23.18	1.31
5.200	1.75	11.200	10.50	17.200	1.97	23.20	1.31
5.217	1.75	11.217	10.50	17.217	1.97	23.22	1.31
5.233	1.75	11.233	10.50	17.233	1.97	23.23	1.31
5.250	1.75	11.250	10.50	17.250	1.97	23.25	1.31
5.267	1.75	11.267	10.50	17.267	1.97	23.27	1.31
5.283	1.75	11.283	10.50	17.283	1.97	23.28	1.31
5.300	1.75	11.300	10.50	17.300	1.97	23.30	1.31
5.317	1.75	11.317	10.50	17.317	1.97	23.32	1.31
5.333	1.75	11.333	10.50	17.333	1.97	23.33	1.31
5.350	1.75	11.350	10.50	17.350	1.97	23.35	1.31
5.367	1.75	11.367	10.50	17.367	1.97	23.37	1.31
5.383	1.75	11.383	10.50	17.383	1.97	23.38	1.31
5.400	1.75	11.400	10.50	17.400	1.97	23.40	1.31
5.417	1.75	11.417	10.50	17.417	1.97	23.42	1.31
5.433	1.75	11.433	10.50	17.433	1.97	23.43	1.31
5.450	1.75	11.450	10.50	17.450	1.97	23.45	1.31
5.467	1.75	11.467	10.50	17.467	1.97	23.47	1.31
5.483	1.75	11.483	10.50	17.483	1.97	23.48	1.31
5.500	1.75	11.500	10.50	17.500	1.97	23.50	1.31
5.517	1.75	11.517	32.36	17.517	1.97	23.52	1.31
5.533	1.75	11.533	32.37	17.533	1.97	23.53	1.31
5.550	1.75	11.550	32.37	17.550	1.97	23.55	1.31
5.567	1.75	11.567	32.37	17.567	1.97	23.57	1.31
5.583	1.75	11.583	32.37	17.583	1.97	23.58	1.31
5.600	1.75	11.600	32.37	17.600	1.97	23.60	1.31
5.617	1.75	11.617	32.37	17.617	1.97	23.62	1.31
5.633	1.75	11.633	32.37	17.633	1.97	23.63	1.31
5.650	1.75	11.650	32.37	17.650	1.97	23.65	1.31
5.667	1.75	11.667	32.37	17.667	1.97	23.67	1.31
5.683	1.75	11.683	32.37	17.683	1.97	23.68	1.31
5.700	1.75	11.700	32.37	17.700	1.97	23.70	1.31
5.717	1.75	11.717	32.37	17.717	1.97	23.72	1.31
5.733	1.75	11.733	32.37	17.733	1.97	23.73	1.31
5.750	1.75	11.750	32.37	17.750	1.97	23.75	1.31
5.767	1.75	11.767	133.80	17.767	1.97	23.77	1.31
5.783	1.75	11.783	133.84	17.783	1.97	23.78	1.31
5.800	1.75	11.800	133.84	17.800	1.97	23.80	1.31
5.817	1.75	11.817	133.84	17.817	1.97	23.82	1.31
5.833	1.75	11.833	133.84	17.833	1.97	23.83	1.31
5.850	1.75	11.850	133.84	17.850	1.97	23.85	1.31

5.867	1.75	11.867	133.84	17.867	1.97	23.87	1.31
5.883	1.75	11.883	133.84	17.883	1.97	23.88	1.31
5.900	1.75	11.900	133.84	17.900	1.97	23.90	1.31
5.917	1.75	11.917	133.84	17.917	1.97	23.92	1.31
5.933	1.75	11.933	133.84	17.933	1.97	23.93	1.31
5.950	1.75	11.950	133.84	17.950	1.97	23.95	1.31
5.967	1.75	11.967	133.84	17.967	1.97	23.97	1.31
5.983	1.75	11.983	133.84	17.983	1.97	23.98	1.31
6.000	1.75	12.000	133.84	18.000	1.97	24.00	1.31

Max.Eff.Inten.(mm/hr)= 133.84 68.49
over (min) 5.00 13.00
Storage Coeff. (min)= 4.10 (ii) 12.28 (ii)
Unit Hyd. Tpeak (min)= 5.00 13.00
Unit Hyd. peak (cms)= 0.26 0.09

TOTALS
PEAK FLOW (cms)= 1.84 1.14 2.769 (iii)
TIME TO PEAK (hrs)= 12.00 12.12 12.02
RUNOFF VOLUME (mm)= 107.35 38.90 59.44
TOTAL RAINFALL (mm)= 109.35 109.35 109.35
RUNOFF COEFFICIENT = 0.98 0.36 0.54

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0012):	1.18	0.162	12.02	50.26
+ ID2= 2 (0203):	17.16	2.769	12.02	59.44
=====				
ID = 3 (0082):	18.34	2.931	12.02	58.85

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)		OVERFLOW IS OFF			
IN= 2----> OUT= 1					
DT= 5.0 min					
	OUTFLOW	STORAGE	OUTFLOW	STORAGE	
	(cms)	(ha.m.)	(cms)	(ha.m.)	
	0.0000	0.0000	0.0940	0.3600	
	0.0120	0.2100	0.1210	0.4000	
	0.0550	0.2600	0.1500	0.4500	
	0.0620	0.3000	0.3000	0.7210	
	AREA	QPEAK	TPEAK	R.V.	
	(ha)	(cms)	(hrs)	(mm)	
INFLOW : ID= 2 (0082)	18.340	2.931	12.02	58.85	
OUTFLOW: ID= 1 (0002)	18.340	0.257	13.13	47.60	

PEAK FLOW REDUCTION [Qout/Qin](%)= 8.78
TIME SHIFT OF PEAK FLOW (min)= 67.00
MAXIMUM STORAGE USED (ha.m.)= 0.6440

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0017):	31.32	1.799	12.32	39.79
+ ID2= 2 (0002):	18.34	0.257	13.13	47.60
=====				
ID = 3 (0089):	49.66	2.017	12.33	42.67

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

** SIMULATION:4.6 SCS II 24hr 100yr **

CALIB			
NASHYD (0087)		Area (ha)= 15.86	Curve Number (CN)= 62.0
ID= 1 DT= 1.0 min	Ia (mm)= 4.60	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.32	6.017	2.15	12.017	17.32	18.02	2.15
0.033	1.32	6.033	2.15	12.033	17.23	18.03	2.15
0.050	1.32	6.050	2.15	12.050	17.23	18.05	2.15
0.067	1.32	6.067	2.15	12.067	17.23	18.07	2.15
0.083	1.32	6.083	2.15	12.083	17.23	18.08	2.15
0.100	1.32	6.100	2.15	12.100	17.23	18.10	2.15
0.117	1.32	6.117	2.15	12.117	17.23	18.12	2.15
0.133	1.32	6.133	2.15	12.133	17.23	18.13	2.15
0.150	1.32	6.150	2.15	12.150	17.23	18.15	2.15
0.167	1.32	6.167	2.15	12.167	17.23	18.17	2.15
0.183	1.32	6.183	2.15	12.183	17.23	18.18	2.15
0.200	1.32	6.200	2.15	12.200	17.23	18.20	2.15
0.217	1.32	6.217	2.15	12.217	17.23	18.22	2.15
0.233	1.32	6.233	2.15	12.233	17.23	18.23	2.15
0.250	1.32	6.250	2.15	12.250	17.23	18.25	2.15
0.267	1.32	6.267	2.15	12.267	17.23	18.27	2.15
0.283	1.32	6.283	2.15	12.283	17.23	18.28	2.15
0.300	1.32	6.300	2.15	12.300	17.23	18.30	2.15
0.317	1.32	6.317	2.15	12.317	17.23	18.32	2.15
0.333	1.32	6.333	2.15	12.333	17.23	18.33	2.15
0.350	1.32	6.350	2.15	12.350	17.23	18.35	2.15
0.367	1.32	6.367	2.15	12.367	17.23	18.37	2.15
0.383	1.32	6.383	2.15	12.383	17.23	18.38	2.15
0.400	1.32	6.400	2.15	12.400	17.23	18.40	2.15
0.417	1.32	6.417	2.15	12.417	17.23	18.42	2.15
0.433	1.32	6.433	2.15	12.433	17.23	18.43	2.15
0.450	1.32	6.450	2.15	12.450	17.23	18.45	2.15
0.467	1.32	6.467	2.15	12.467	17.23	18.47	2.15
0.483	1.32	6.483	2.15	12.483	17.23	18.48	2.15
0.500	1.32	6.500	2.15	12.500	17.23	18.50	2.15
0.517	1.32	6.517	2.15	12.517	8.86	18.52	2.15
0.533	1.32	6.533	2.15	12.533	8.85	18.53	2.15
0.550	1.32	6.550	2.15	12.550	8.85	18.55	2.15
0.567	1.32	6.567	2.15	12.567	8.85	18.57	2.15
0.583	1.32	6.583	2.15	12.583	8.85	18.58	2.15
0.600	1.32	6.600	2.15	12.600	8.85	18.60	2.15
0.617	1.32	6.617	2.15	12.617	8.85	18.62	2.15
0.633	1.32	6.633	2.15	12.633	8.85	18.63	2.15
0.650	1.32	6.650	2.15	12.650	8.85	18.65	2.15
0.667	1.32	6.667	2.15	12.667	8.85	18.67	2.15
0.683	1.32	6.683	2.15	12.683	8.85	18.68	2.15
0.700	1.32	6.700	2.15	12.700	8.85	18.70	2.15
0.717	1.32	6.717	2.15	12.717	8.85	18.72	2.15
0.733	1.32	6.733	2.15	12.733	8.85	18.73	2.15
0.750	1.32	6.750	2.15	12.750	8.85	18.75	2.15
0.767	1.32	6.767	2.15	12.767	8.85	18.77	2.15
0.783	1.32	6.783	2.15	12.783	8.85	18.78	2.15
0.800	1.32	6.800	2.15	12.800	8.85	18.80	2.15
0.817	1.32	6.817	2.15	12.817	8.85	18.82	2.15
0.833	1.32	6.833	2.15	12.833	8.85	18.83	2.15
0.850	1.32	6.850	2.15	12.850	8.85	18.85	2.15
0.867	1.32	6.867	2.15	12.867	8.85	18.87	2.15
0.883	1.32	6.883	2.15	12.883	8.85	18.88	2.15
0.900	1.32	6.900	2.15	12.900	8.85	18.90	2.15
0.917	1.32	6.917	2.15	12.917	8.85	18.92	2.15
0.933	1.32	6.933	2.15	12.933	8.85	18.93	2.15
0.950	1.32	6.950	2.15	12.950	8.85	18.95	2.15
0.967	1.32	6.967	2.15	12.967	8.85	18.97	2.15
0.983	1.32	6.983	2.15	12.983	8.85	18.98	2.15
1.000	1.32	7.000	2.15	13.000	8.85	19.00	2.15
1.017	1.32	7.017	2.63	13.017	6.46	19.02	2.15
1.033	1.32	7.033	2.63	13.033	6.46	19.03	2.15
1.050	1.32	7.050	2.63	13.050	6.46	19.05	2.15
1.067	1.32	7.067	2.63	13.067	6.46	19.07	2.15
1.083	1.32	7.083	2.63	13.083	6.46	19.08	2.15
1.100	1.32	7.100	2.63	13.100	6.46	19.10	2.15
1.117	1.32	7.117	2.63	13.117	6.46	19.12	2.15
1.133	1.32	7.133	2.63	13.133	6.46	19.13	2.15
1.150	1.32	7.150	2.63	13.150	6.46	19.15	2.15
1.167	1.32	7.167	2.63	13.167	6.46	19.17	2.15
1.183	1.32	7.183	2.63	13.183	6.46	19.18	2.15
1.200	1.32	7.200	2.63	13.200	6.46	19.20	2.15
1.217	1.32	7.217	2.63	13.217	6.46	19.22	2.15
1.233	1.32	7.233	2.63	13.233	6.46	19.23	2.15
1.250	1.32	7.250	2.63	13.250	6.46	19.25	2.15
1.267	1.32	7.267	2.63	13.267	6.46	19.27	2.15
1.283	1.32	7.283	2.63	13.283	6.46	19.28	2.15
1.300	1.32	7.300	2.63	13.300	6.46	19.30	2.15

1.317	1.32	7.317	2.63	13.317	6.46	19.32	2.15
1.333	1.32	7.333	2.63	13.333	6.46	19.33	2.15
1.350	1.32	7.350	2.63	13.350	6.46	19.35	2.15
1.367	1.32	7.367	2.63	13.367	6.46	19.37	2.15
1.383	1.32	7.383	2.63	13.383	6.46	19.38	2.15
1.400	1.32	7.400	2.63	13.400	6.46	19.40	2.15
1.417	1.32	7.417	2.63	13.417	6.46	19.42	2.15
1.433	1.32	7.433	2.63	13.433	6.46	19.43	2.15
1.450	1.32	7.450	2.63	13.450	6.46	19.45	2.15
1.467	1.32	7.467	2.63	13.467	6.46	19.47	2.15
1.483	1.32	7.483	2.63	13.483	6.46	19.48	2.15
1.500	1.32	7.500	2.63	13.500	6.46	19.50	2.15
1.517	1.32	7.517	2.63	13.517	5.03	19.52	2.15
1.533	1.32	7.533	2.63	13.533	5.03	19.53	2.15
1.550	1.32	7.550	2.63	13.550	5.03	19.55	2.15
1.567	1.32	7.567	2.63	13.567	5.03	19.57	2.15
1.583	1.32	7.583	2.63	13.583	5.03	19.58	2.15
1.600	1.32	7.600	2.63	13.600	5.03	19.60	2.15
1.617	1.32	7.617	2.63	13.617	5.03	19.62	2.15
1.633	1.32	7.633	2.63	13.633	5.03	19.63	2.15
1.650	1.32	7.650	2.63	13.650	5.03	19.65	2.15
1.667	1.32	7.667	2.63	13.667	5.03	19.67	2.15
1.683	1.32	7.683	2.63	13.683	5.03	19.68	2.15
1.700	1.32	7.700	2.63	13.700	5.03	19.70	2.15
1.717	1.32	7.717	2.63	13.717	5.03	19.72	2.15
1.733	1.32	7.733	2.63	13.733	5.03	19.73	2.15
1.750	1.32	7.750	2.63	13.750	5.03	19.75	2.15
1.767	1.32	7.767	2.63	13.767	5.03	19.77	2.15
1.783	1.32	7.783	2.63	13.783	5.03	19.78	2.15
1.800	1.32	7.800	2.63	13.800	5.03	19.80	2.15
1.817	1.32	7.817	2.63	13.817	5.03	19.82	2.15
1.833	1.32	7.833	2.63	13.833	5.03	19.83	2.15
1.850	1.32	7.850	2.63	13.850	5.03	19.85	2.15
1.867	1.32	7.867	2.63	13.867	5.03	19.87	2.15
1.883	1.32	7.883	2.63	13.883	5.03	19.88	2.15
1.900	1.32	7.900	2.63	13.900	5.03	19.90	2.15
1.917	1.32	7.917	2.63	13.917	5.03	19.92	2.15
1.933	1.32	7.933	2.63	13.933	5.03	19.93	2.15
1.950	1.32	7.950	2.63	13.950	5.03	19.95	2.15
1.967	1.32	7.967	2.63	13.967	5.03	19.97	2.15
1.983	1.32	7.983	2.63	13.983	5.03	19.98	2.15
2.000	1.32	8.000	2.63	14.000	5.03	20.00	2.15
2.017	1.56	8.017	3.11	14.017	3.59	20.02	1.44
2.033	1.56	8.033	3.11	14.033	3.59	20.03	1.44
2.050	1.56	8.050	3.11	14.050	3.59	20.05	1.44
2.067	1.56	8.067	3.11	14.067	3.59	20.07	1.44
2.083	1.56	8.083	3.11	14.083	3.59	20.08	1.44
2.100	1.56	8.100	3.11	14.100	3.59	20.10	1.44
2.117	1.56	8.117	3.11	14.117	3.59	20.12	1.44
2.133	1.56	8.133	3.11	14.133	3.59	20.13	1.44
2.150	1.56	8.150	3.11	14.150	3.59	20.15	1.44
2.167	1.56	8.167	3.11	14.167	3.59	20.17	1.44
2.183	1.56	8.183	3.11	14.183	3.59	20.18	1.44
2.200	1.56	8.200	3.11	14.200	3.59	20.20	1.44
2.217	1.56	8.217	3.11	14.217	3.59	20.22	1.44
2.233	1.56	8.233	3.11	14.233	3.59	20.23	1.44
2.250	1.56	8.250	3.11	14.250	3.59	20.25	1.44
2.267	1.56	8.267	3.11	14.267	3.59	20.27	1.44
2.283	1.56	8.283	3.11	14.283	3.59	20.28	1.44
2.300	1.56	8.300	3.11	14.300	3.59	20.30	1.44
2.317	1.56	8.317	3.11	14.317	3.59	20.32	1.44
2.333	1.56	8.333	3.11	14.333	3.59	20.33	1.44
2.350	1.56	8.350	3.11	14.350	3.59	20.35	1.44
2.367	1.56	8.367	3.11	14.367	3.59	20.37	1.44
2.383	1.56	8.383	3.11	14.383	3.59	20.38	1.44
2.400	1.56	8.400	3.11	14.400	3.59	20.40	1.44
2.417	1.56	8.417	3.11	14.417	3.59	20.42	1.44
2.433	1.56	8.433	3.11	14.433	3.59	20.43	1.44
2.450	1.56	8.450	3.11	14.450	3.59	20.45	1.44
2.467	1.56	8.467	3.11	14.467	3.59	20.47	1.44
2.483	1.56	8.483	3.11	14.483	3.59	20.48	1.44
2.500	1.56	8.500	3.11	14.500	3.59	20.50	1.44
2.517	1.56	8.517	3.35	14.517	3.59	20.52	1.44
2.533	1.56	8.533	3.35	14.533	3.59	20.53	1.44
2.550	1.56	8.550	3.35	14.550	3.59	20.55	1.44
2.567	1.56	8.567	3.35	14.567	3.59	20.57	1.44
2.583	1.56	8.583	3.35	14.583	3.59	20.58	1.44
2.600	1.56	8.600	3.35	14.600	3.59	20.60	1.44
2.617	1.56	8.617	3.35	14.617	3.59	20.62	1.44
2.633	1.56	8.633	3.35	14.633	3.59	20.63	1.44
2.650	1.56	8.650	3.35	14.650	3.59	20.65	1.44
2.667	1.56	8.667	3.35	14.667	3.59	20.67	1.44
2.683	1.56	8.683	3.35	14.683	3.59	20.68	1.44
2.700	1.56	8.700	3.35	14.700	3.59	20.70	1.44

2.717	1.56	8.717	3.35	14.717	3.59	20.72	1.44
2.733	1.56	8.733	3.35	14.733	3.59	20.73	1.44
2.750	1.56	8.750	3.35	14.750	3.59	20.75	1.44
2.767	1.56	8.767	3.35	14.767	3.59	20.77	1.44
2.783	1.56	8.783	3.35	14.783	3.59	20.78	1.44
2.800	1.56	8.800	3.35	14.800	3.59	20.80	1.44
2.817	1.56	8.817	3.35	14.817	3.59	20.82	1.44
2.833	1.56	8.833	3.35	14.833	3.59	20.83	1.44
2.850	1.56	8.850	3.35	14.850	3.59	20.85	1.44
2.867	1.56	8.867	3.35	14.867	3.59	20.87	1.44
2.883	1.56	8.883	3.35	14.883	3.59	20.88	1.44
2.900	1.56	8.900	3.35	14.900	3.59	20.90	1.44
2.917	1.56	8.917	3.35	14.917	3.59	20.92	1.44
2.933	1.56	8.933	3.35	14.933	3.59	20.93	1.44
2.950	1.56	8.950	3.35	14.950	3.59	20.95	1.44
2.967	1.56	8.967	3.35	14.967	3.59	20.97	1.44
2.983	1.56	8.983	3.35	14.983	3.59	20.98	1.44
3.000	1.56	9.000	3.35	15.000	3.59	21.00	1.44
3.017	1.56	9.017	3.83	15.017	3.59	21.02	1.44
3.033	1.56	9.033	3.83	15.033	3.59	21.03	1.44
3.050	1.56	9.050	3.83	15.050	3.59	21.05	1.44
3.067	1.56	9.067	3.83	15.067	3.59	21.07	1.44
3.083	1.56	9.083	3.83	15.083	3.59	21.08	1.44
3.100	1.56	9.100	3.83	15.100	3.59	21.10	1.44
3.117	1.56	9.117	3.83	15.117	3.59	21.12	1.44
3.133	1.56	9.133	3.83	15.133	3.59	21.13	1.44
3.150	1.56	9.150	3.83	15.150	3.59	21.15	1.44
3.167	1.56	9.167	3.83	15.167	3.59	21.17	1.44
3.183	1.56	9.183	3.83	15.183	3.59	21.18	1.44
3.200	1.56	9.200	3.83	15.200	3.59	21.20	1.44
3.217	1.56	9.217	3.83	15.217	3.59	21.22	1.44
3.233	1.56	9.233	3.83	15.233	3.59	21.23	1.44
3.250	1.56	9.250	3.83	15.250	3.59	21.25	1.44
3.267	1.56	9.267	3.83	15.267	3.59	21.27	1.44
3.283	1.56	9.283	3.83	15.283	3.59	21.28	1.44
3.300	1.56	9.300	3.83	15.300	3.59	21.30	1.44
3.317	1.56	9.317	3.83	15.317	3.59	21.32	1.44
3.333	1.56	9.333	3.83	15.333	3.59	21.33	1.44
3.350	1.56	9.350	3.83	15.350	3.59	21.35	1.44
3.367	1.56	9.367	3.83	15.367	3.59	21.37	1.44
3.383	1.56	9.383	3.83	15.383	3.59	21.38	1.44
3.400	1.56	9.400	3.83	15.400	3.59	21.40	1.44
3.417	1.56	9.417	3.83	15.417	3.59	21.42	1.44
3.433	1.56	9.433	3.83	15.433	3.59	21.43	1.44
3.450	1.56	9.450	3.83	15.450	3.59	21.45	1.44
3.467	1.56	9.467	3.83	15.467	3.59	21.47	1.44
3.483	1.56	9.483	3.83	15.483	3.59	21.48	1.44
3.500	1.56	9.500	3.83	15.500	3.59	21.50	1.44
3.517	1.56	9.517	4.31	15.517	3.59	21.52	1.44
3.533	1.56	9.533	4.31	15.533	3.59	21.53	1.44
3.550	1.56	9.550	4.31	15.550	3.59	21.55	1.44
3.567	1.56	9.567	4.31	15.567	3.59	21.57	1.44
3.583	1.56	9.583	4.31	15.583	3.59	21.58	1.44
3.600	1.56	9.600	4.31	15.600	3.59	21.60	1.44
3.617	1.56	9.617	4.31	15.617	3.59	21.62	1.44
3.633	1.56	9.633	4.31	15.633	3.59	21.63	1.44
3.650	1.56	9.650	4.31	15.650	3.59	21.65	1.44
3.667	1.56	9.667	4.31	15.667	3.59	21.67	1.44
3.683	1.56	9.683	4.31	15.683	3.59	21.68	1.44
3.700	1.56	9.700	4.31	15.700	3.59	21.70	1.44
3.717	1.56	9.717	4.31	15.717	3.59	21.72	1.44
3.733	1.56	9.733	4.31	15.733	3.59	21.73	1.44
3.750	1.56	9.750	4.31	15.750	3.59	21.75	1.44
3.767	1.56	9.767	4.31	15.767	3.59	21.77	1.44
3.783	1.56	9.783	4.31	15.783	3.59	21.78	1.44
3.800	1.56	9.800	4.31	15.800	3.59	21.80	1.44
3.817	1.56	9.817	4.31	15.817	3.59	21.82	1.44
3.833	1.56	9.833	4.31	15.833	3.59	21.83	1.44
3.850	1.56	9.850	4.31	15.850	3.59	21.85	1.44
3.867	1.56	9.867	4.31	15.867	3.59	21.87	1.44
3.883	1.56	9.883	4.31	15.883	3.59	21.88	1.44
3.900	1.56	9.900	4.31	15.900	3.59	21.90	1.44
3.917	1.56	9.917	4.31	15.917	3.59	21.92	1.44
3.933	1.56	9.933	4.31	15.933	3.59	21.93	1.44
3.950	1.56	9.950	4.31	15.950	3.59	21.95	1.44
3.967	1.56	9.967	4.31	15.967	3.59	21.97	1.44
3.983	1.56	9.983	4.31	15.983	3.59	21.98	1.44
4.000	1.56	10.000	4.31	16.000	3.59	22.00	1.44
4.017	1.91	10.017	5.50	16.017	2.15	22.02	1.44
4.033	1.91	10.033	5.50	16.033	2.15	22.03	1.44
4.050	1.91	10.050	5.50	16.050	2.15	22.05	1.44
4.067	1.91	10.067	5.50	16.067	2.15	22.07	1.44
4.083	1.91	10.083	5.50	16.083	2.15	22.08	1.44
4.100	1.91	10.100	5.50	16.100	2.15	22.10	1.44

4.117	1.91	10.117	5.50	16.117	2.15	22.12	1.44
4.133	1.91	10.133	5.50	16.133	2.15	22.13	1.44
4.150	1.91	10.150	5.50	16.150	2.15	22.15	1.44
4.167	1.91	10.167	5.50	16.167	2.15	22.17	1.44
4.183	1.91	10.183	5.50	16.183	2.15	22.18	1.44
4.200	1.91	10.200	5.50	16.200	2.15	22.20	1.44
4.217	1.91	10.217	5.50	16.217	2.15	22.22	1.44
4.233	1.91	10.233	5.50	16.233	2.15	22.23	1.44
4.250	1.91	10.250	5.50	16.250	2.15	22.25	1.44
4.267	1.91	10.267	5.50	16.267	2.15	22.27	1.44
4.283	1.91	10.283	5.50	16.283	2.15	22.28	1.44
4.300	1.91	10.300	5.50	16.300	2.15	22.30	1.44
4.317	1.91	10.317	5.50	16.317	2.15	22.32	1.44
4.333	1.91	10.333	5.50	16.333	2.15	22.33	1.44
4.350	1.91	10.350	5.50	16.350	2.15	22.35	1.44
4.367	1.91	10.367	5.50	16.367	2.15	22.37	1.44
4.383	1.91	10.383	5.50	16.383	2.15	22.38	1.44
4.400	1.91	10.400	5.50	16.400	2.15	22.40	1.44
4.417	1.91	10.417	5.50	16.417	2.15	22.42	1.44
4.433	1.91	10.433	5.50	16.433	2.15	22.43	1.44
4.450	1.91	10.450	5.50	16.450	2.15	22.45	1.44
4.467	1.91	10.467	5.50	16.467	2.15	22.47	1.44
4.483	1.91	10.483	5.50	16.483	2.15	22.48	1.44
4.500	1.91	10.500	5.51	16.500	2.15	22.50	1.44
4.517	1.91	10.517	7.42	16.517	2.15	22.52	1.44
4.533	1.91	10.533	7.42	16.533	2.15	22.53	1.44
4.550	1.91	10.550	7.42	16.550	2.15	22.55	1.44
4.567	1.91	10.567	7.42	16.567	2.15	22.57	1.44
4.583	1.91	10.583	7.42	16.583	2.15	22.58	1.44
4.600	1.91	10.600	7.42	16.600	2.15	22.60	1.44
4.617	1.91	10.617	7.42	16.617	2.15	22.62	1.44
4.633	1.91	10.633	7.42	16.633	2.15	22.63	1.44
4.650	1.91	10.650	7.42	16.650	2.15	22.65	1.44
4.667	1.91	10.667	7.42	16.667	2.15	22.67	1.44
4.683	1.91	10.683	7.42	16.683	2.15	22.68	1.44
4.700	1.91	10.700	7.42	16.700	2.15	22.70	1.44
4.717	1.91	10.717	7.42	16.717	2.15	22.72	1.44
4.733	1.91	10.733	7.42	16.733	2.15	22.73	1.44
4.750	1.91	10.750	7.42	16.750	2.15	22.75	1.44
4.767	1.91	10.767	7.42	16.767	2.15	22.77	1.44
4.783	1.91	10.783	7.42	16.783	2.15	22.78	1.44
4.800	1.91	10.800	7.42	16.800	2.15	22.80	1.44
4.817	1.91	10.817	7.42	16.817	2.15	22.82	1.44
4.833	1.91	10.833	7.42	16.833	2.15	22.83	1.44
4.850	1.91	10.850	7.42	16.850	2.15	22.85	1.44
4.867	1.91	10.867	7.42	16.867	2.15	22.87	1.44
4.883	1.91	10.883	7.42	16.883	2.15	22.88	1.44
4.900	1.91	10.900	7.42	16.900	2.15	22.90	1.44
4.917	1.91	10.917	7.42	16.917	2.15	22.92	1.44
4.933	1.91	10.933	7.42	16.933	2.15	22.93	1.44
4.950	1.91	10.950	7.42	16.950	2.15	22.95	1.44
4.967	1.91	10.967	7.42	16.967	2.15	22.97	1.44
4.983	1.91	10.983	7.42	16.983	2.15	22.98	1.44
5.000	1.91	11.000	7.42	17.000	2.15	23.00	1.44
5.017	1.91	11.017	11.49	17.017	2.15	23.02	1.44
5.033	1.91	11.033	11.49	17.033	2.15	23.03	1.44
5.050	1.91	11.050	11.49	17.050	2.15	23.05	1.44
5.067	1.91	11.067	11.49	17.067	2.15	23.07	1.44
5.083	1.91	11.083	11.49	17.083	2.15	23.08	1.44
5.100	1.91	11.100	11.49	17.100	2.15	23.10	1.44
5.117	1.91	11.117	11.49	17.117	2.15	23.12	1.44
5.133	1.91	11.133	11.49	17.133	2.15	23.13	1.44
5.150	1.91	11.150	11.49	17.150	2.15	23.15	1.44
5.167	1.91	11.167	11.49	17.167	2.15	23.17	1.44
5.183	1.91	11.183	11.49	17.183	2.15	23.18	1.44
5.200	1.91	11.200	11.49	17.200	2.15	23.20	1.44
5.217	1.91	11.217	11.49	17.217	2.15	23.22	1.44
5.233	1.91	11.233	11.49	17.233	2.15	23.23	1.44
5.250	1.91	11.250	11.49	17.250	2.15	23.25	1.44
5.267	1.91	11.267	11.49	17.267	2.15	23.27	1.44
5.283	1.91	11.283	11.49	17.283	2.15	23.28	1.44
5.300	1.91	11.300	11.49	17.300	2.15	23.30	1.44
5.317	1.91	11.317	11.49	17.317	2.15	23.32	1.44
5.333	1.91	11.333	11.49	17.333	2.15	23.33	1.44
5.350	1.91	11.350	11.49	17.350	2.15	23.35	1.44
5.367	1.91	11.367	11.49	17.367	2.15	23.37	1.44
5.383	1.91	11.383	11.49	17.383	2.15	23.38	1.44
5.400	1.91	11.400	11.49	17.400	2.15	23.40	1.44
5.417	1.91	11.417	11.49	17.417	2.15	23.42	1.44
5.433	1.91	11.433	11.49	17.433	2.15	23.43	1.44
5.450	1.91	11.450	11.49	17.450	2.15	23.45	1.44
5.467	1.91	11.467	11.49	17.467	2.15	23.47	1.44
5.483	1.91	11.483	11.49	17.483	2.15	23.48	1.44
5.500	1.91	11.500	11.49	17.500	2.15	23.50	1.44

5.517	1.91	11.517	35.41	17.517	2.15	23.52	1.44
5.533	1.91	11.533	35.42	17.533	2.15	23.53	1.44
5.550	1.91	11.550	35.42	17.550	2.15	23.55	1.44
5.567	1.91	11.567	35.42	17.567	2.15	23.57	1.44
5.583	1.91	11.583	35.42	17.583	2.15	23.58	1.44
5.600	1.91	11.600	35.42	17.600	2.15	23.60	1.44
5.617	1.91	11.617	35.42	17.617	2.15	23.62	1.44
5.633	1.91	11.633	35.42	17.633	2.15	23.63	1.44
5.650	1.91	11.650	35.42	17.650	2.15	23.65	1.44
5.667	1.91	11.667	35.42	17.667	2.15	23.67	1.44
5.683	1.91	11.683	35.42	17.683	2.15	23.68	1.44
5.700	1.91	11.700	35.42	17.700	2.15	23.70	1.44
5.717	1.91	11.717	35.42	17.717	2.15	23.72	1.44
5.733	1.91	11.733	35.42	17.733	2.15	23.73	1.44
5.750	1.91	11.750	35.42	17.750	2.15	23.75	1.44
5.767	1.91	11.767	146.40	17.767	2.15	23.77	1.44
5.783	1.91	11.783	146.45	17.783	2.15	23.78	1.44
5.800	1.91	11.800	146.45	17.800	2.15	23.80	1.44
5.817	1.91	11.817	146.45	17.817	2.15	23.82	1.44
5.833	1.91	11.833	146.45	17.833	2.15	23.83	1.44
5.850	1.91	11.850	146.45	17.850	2.15	23.85	1.44
5.867	1.91	11.867	146.45	17.867	2.15	23.87	1.44
5.883	1.91	11.883	146.45	17.883	2.15	23.88	1.44
5.900	1.91	11.900	146.45	17.900	2.15	23.90	1.44
5.917	1.91	11.917	146.45	17.917	2.15	23.92	1.44
5.933	1.91	11.933	146.45	17.933	2.15	23.93	1.44
5.950	1.91	11.950	146.45	17.950	2.15	23.95	1.44
5.967	1.91	11.967	146.45	17.967	2.15	23.97	1.44
5.983	1.91	11.983	146.45	17.983	2.15	23.98	1.44
6.000	1.91	12.000	146.45	18.000	2.15	24.00	1.44

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 1.203 (i)
TIME TO PEAK (hrs)= 12.300
RUNOFF VOLUME (mm)= 39.514
TOTAL RAINFALL (mm)= 119.651
RUNOFF COEFFICIENT = 0.330

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.32	6.017	2.15	12.017	17.32	18.02	2.15
0.033	1.32	6.033	2.15	12.033	17.23	18.03	2.15
0.050	1.32	6.050	2.15	12.050	17.23	18.05	2.15
0.067	1.32	6.067	2.15	12.067	17.23	18.07	2.15
0.083	1.32	6.083	2.15	12.083	17.23	18.08	2.15
0.100	1.32	6.100	2.15	12.100	17.23	18.10	2.15
0.117	1.32	6.117	2.15	12.117	17.23	18.12	2.15
0.133	1.32	6.133	2.15	12.133	17.23	18.13	2.15
0.150	1.32	6.150	2.15	12.150	17.23	18.15	2.15
0.167	1.32	6.167	2.15	12.167	17.23	18.17	2.15
0.183	1.32	6.183	2.15	12.183	17.23	18.18	2.15
0.200	1.32	6.200	2.15	12.200	17.23	18.20	2.15
0.217	1.32	6.217	2.15	12.217	17.23	18.22	2.15
0.233	1.32	6.233	2.15	12.233	17.23	18.23	2.15
0.250	1.32	6.250	2.15	12.250	17.23	18.25	2.15
0.267	1.32	6.267	2.15	12.267	17.23	18.27	2.15
0.283	1.32	6.283	2.15	12.283	17.23	18.28	2.15
0.300	1.32	6.300	2.15	12.300	17.23	18.30	2.15
0.317	1.32	6.317	2.15	12.317	17.23	18.32	2.15
0.333	1.32	6.333	2.15	12.333	17.23	18.33	2.15
0.350	1.32	6.350	2.15	12.350	17.23	18.35	2.15
0.367	1.32	6.367	2.15	12.367	17.23	18.37	2.15
0.383	1.32	6.383	2.15	12.383	17.23	18.38	2.15
0.400	1.32	6.400	2.15	12.400	17.23	18.40	2.15
0.417	1.32	6.417	2.15	12.417	17.23	18.42	2.15
0.433	1.32	6.433	2.15	12.433	17.23	18.43	2.15
0.450	1.32	6.450	2.15	12.450	17.23	18.45	2.15
0.467	1.32	6.467	2.15	12.467	17.23	18.47	2.15
0.483	1.32	6.483	2.15	12.483	17.23	18.48	2.15
0.500	1.32	6.500	2.15	12.500	17.23	18.50	2.15

0.517	1.32	6.517	2.15	12.517	8.86	18.52	2.15
0.533	1.32	6.533	2.15	12.533	8.85	18.53	2.15
0.550	1.32	6.550	2.15	12.550	8.85	18.55	2.15
0.567	1.32	6.567	2.15	12.567	8.85	18.57	2.15
0.583	1.32	6.583	2.15	12.583	8.85	18.58	2.15
0.600	1.32	6.600	2.15	12.600	8.85	18.60	2.15
0.617	1.32	6.617	2.15	12.617	8.85	18.62	2.15
0.633	1.32	6.633	2.15	12.633	8.85	18.63	2.15
0.650	1.32	6.650	2.15	12.650	8.85	18.65	2.15
0.667	1.32	6.667	2.15	12.667	8.85	18.67	2.15
0.683	1.32	6.683	2.15	12.683	8.85	18.68	2.15
0.700	1.32	6.700	2.15	12.700	8.85	18.70	2.15
0.717	1.32	6.717	2.15	12.717	8.85	18.72	2.15
0.733	1.32	6.733	2.15	12.733	8.85	18.73	2.15
0.750	1.32	6.750	2.15	12.750	8.85	18.75	2.15
0.767	1.32	6.767	2.15	12.767	8.85	18.77	2.15
0.783	1.32	6.783	2.15	12.783	8.85	18.78	2.15
0.800	1.32	6.800	2.15	12.800	8.85	18.80	2.15
0.817	1.32	6.817	2.15	12.817	8.85	18.82	2.15
0.833	1.32	6.833	2.15	12.833	8.85	18.83	2.15
0.850	1.32	6.850	2.15	12.850	8.85	18.85	2.15
0.867	1.32	6.867	2.15	12.867	8.85	18.87	2.15
0.883	1.32	6.883	2.15	12.883	8.85	18.88	2.15
0.900	1.32	6.900	2.15	12.900	8.85	18.90	2.15
0.917	1.32	6.917	2.15	12.917	8.85	18.92	2.15
0.933	1.32	6.933	2.15	12.933	8.85	18.93	2.15
0.950	1.32	6.950	2.15	12.950	8.85	18.95	2.15
0.967	1.32	6.967	2.15	12.967	8.85	18.97	2.15
0.983	1.32	6.983	2.15	12.983	8.85	18.98	2.15
1.000	1.32	7.000	2.15	13.000	8.85	19.00	2.15
1.017	1.32	7.017	2.63	13.017	6.46	19.02	2.15
1.033	1.32	7.033	2.63	13.033	6.46	19.03	2.15
1.050	1.32	7.050	2.63	13.050	6.46	19.05	2.15
1.067	1.32	7.067	2.63	13.067	6.46	19.07	2.15
1.083	1.32	7.083	2.63	13.083	6.46	19.08	2.15
1.100	1.32	7.100	2.63	13.100	6.46	19.10	2.15
1.117	1.32	7.117	2.63	13.117	6.46	19.12	2.15
1.133	1.32	7.133	2.63	13.133	6.46	19.13	2.15
1.150	1.32	7.150	2.63	13.150	6.46	19.15	2.15
1.167	1.32	7.167	2.63	13.167	6.46	19.17	2.15
1.183	1.32	7.183	2.63	13.183	6.46	19.18	2.15
1.200	1.32	7.200	2.63	13.200	6.46	19.20	2.15
1.217	1.32	7.217	2.63	13.217	6.46	19.22	2.15
1.233	1.32	7.233	2.63	13.233	6.46	19.23	2.15
1.250	1.32	7.250	2.63	13.250	6.46	19.25	2.15
1.267	1.32	7.267	2.63	13.267	6.46	19.27	2.15
1.283	1.32	7.283	2.63	13.283	6.46	19.28	2.15
1.300	1.32	7.300	2.63	13.300	6.46	19.30	2.15
1.317	1.32	7.317	2.63	13.317	6.46	19.32	2.15
1.333	1.32	7.333	2.63	13.333	6.46	19.33	2.15
1.350	1.32	7.350	2.63	13.350	6.46	19.35	2.15
1.367	1.32	7.367	2.63	13.367	6.46	19.37	2.15
1.383	1.32	7.383	2.63	13.383	6.46	19.38	2.15
1.400	1.32	7.400	2.63	13.400	6.46	19.40	2.15
1.417	1.32	7.417	2.63	13.417	6.46	19.42	2.15
1.433	1.32	7.433	2.63	13.433	6.46	19.43	2.15
1.450	1.32	7.450	2.63	13.450	6.46	19.45	2.15
1.467	1.32	7.467	2.63	13.467	6.46	19.47	2.15
1.483	1.32	7.483	2.63	13.483	6.46	19.48	2.15
1.500	1.32	7.500	2.63	13.500	6.46	19.50	2.15
1.517	1.32	7.517	2.63	13.517	5.03	19.52	2.15
1.533	1.32	7.533	2.63	13.533	5.03	19.53	2.15
1.550	1.32	7.550	2.63	13.550	5.03	19.55	2.15
1.567	1.32	7.567	2.63	13.567	5.03	19.57	2.15
1.583	1.32	7.583	2.63	13.583	5.03	19.58	2.15
1.600	1.32	7.600	2.63	13.600	5.03	19.60	2.15
1.617	1.32	7.617	2.63	13.617	5.03	19.62	2.15
1.633	1.32	7.633	2.63	13.633	5.03	19.63	2.15
1.650	1.32	7.650	2.63	13.650	5.03	19.65	2.15
1.667	1.32	7.667	2.63	13.667	5.03	19.67	2.15
1.683	1.32	7.683	2.63	13.683	5.03	19.68	2.15
1.700	1.32	7.700	2.63	13.700	5.03	19.70	2.15
1.717	1.32	7.717	2.63	13.717	5.03	19.72	2.15
1.733	1.32	7.733	2.63	13.733	5.03	19.73	2.15
1.750	1.32	7.750	2.63	13.750	5.03	19.75	2.15
1.767	1.32	7.767	2.63	13.767	5.03	19.77	2.15
1.783	1.32	7.783	2.63	13.783	5.03	19.78	2.15
1.800	1.32	7.800	2.63	13.800	5.03	19.80	2.15
1.817	1.32	7.817	2.63	13.817	5.03	19.82	2.15
1.833	1.32	7.833	2.63	13.833	5.03	19.83	2.15
1.850	1.32	7.850	2.63	13.850	5.03	19.85	2.15
1.867	1.32	7.867	2.63	13.867	5.03	19.87	2.15
1.883	1.32	7.883	2.63	13.883	5.03	19.88	2.15
1.900	1.32	7.900	2.63	13.900	5.03	19.90	2.15

1.917	1.32	7.917	2.63	13.917	5.03	19.92	2.15
1.933	1.32	7.933	2.63	13.933	5.03	19.93	2.15
1.950	1.32	7.950	2.63	13.950	5.03	19.95	2.15
1.967	1.32	7.967	2.63	13.967	5.03	19.97	2.15
1.983	1.32	7.983	2.63	13.983	5.03	19.98	2.15
2.000	1.32	8.000	2.63	14.000	5.03	20.00	2.15
2.017	1.56	8.017	3.11	14.017	3.59	20.02	1.44
2.033	1.56	8.033	3.11	14.033	3.59	20.03	1.44
2.050	1.56	8.050	3.11	14.050	3.59	20.05	1.44
2.067	1.56	8.067	3.11	14.067	3.59	20.07	1.44
2.083	1.56	8.083	3.11	14.083	3.59	20.08	1.44
2.100	1.56	8.100	3.11	14.100	3.59	20.10	1.44
2.117	1.56	8.117	3.11	14.117	3.59	20.12	1.44
2.133	1.56	8.133	3.11	14.133	3.59	20.13	1.44
2.150	1.56	8.150	3.11	14.150	3.59	20.15	1.44
2.167	1.56	8.167	3.11	14.167	3.59	20.17	1.44
2.183	1.56	8.183	3.11	14.183	3.59	20.18	1.44
2.200	1.56	8.200	3.11	14.200	3.59	20.20	1.44
2.217	1.56	8.217	3.11	14.217	3.59	20.22	1.44
2.233	1.56	8.233	3.11	14.233	3.59	20.23	1.44
2.250	1.56	8.250	3.11	14.250	3.59	20.25	1.44
2.267	1.56	8.267	3.11	14.267	3.59	20.27	1.44
2.283	1.56	8.283	3.11	14.283	3.59	20.28	1.44
2.300	1.56	8.300	3.11	14.300	3.59	20.30	1.44
2.317	1.56	8.317	3.11	14.317	3.59	20.32	1.44
2.333	1.56	8.333	3.11	14.333	3.59	20.33	1.44
2.350	1.56	8.350	3.11	14.350	3.59	20.35	1.44
2.367	1.56	8.367	3.11	14.367	3.59	20.37	1.44
2.383	1.56	8.383	3.11	14.383	3.59	20.38	1.44
2.400	1.56	8.400	3.11	14.400	3.59	20.40	1.44
2.417	1.56	8.417	3.11	14.417	3.59	20.42	1.44
2.433	1.56	8.433	3.11	14.433	3.59	20.43	1.44
2.450	1.56	8.450	3.11	14.450	3.59	20.45	1.44
2.467	1.56	8.467	3.11	14.467	3.59	20.47	1.44
2.483	1.56	8.483	3.11	14.483	3.59	20.48	1.44
2.500	1.56	8.500	3.11	14.500	3.59	20.50	1.44
2.517	1.56	8.517	3.35	14.517	3.59	20.52	1.44
2.533	1.56	8.533	3.35	14.533	3.59	20.53	1.44
2.550	1.56	8.550	3.35	14.550	3.59	20.55	1.44
2.567	1.56	8.567	3.35	14.567	3.59	20.57	1.44
2.583	1.56	8.583	3.35	14.583	3.59	20.58	1.44
2.600	1.56	8.600	3.35	14.600	3.59	20.60	1.44
2.617	1.56	8.617	3.35	14.617	3.59	20.62	1.44
2.633	1.56	8.633	3.35	14.633	3.59	20.63	1.44
2.650	1.56	8.650	3.35	14.650	3.59	20.65	1.44
2.667	1.56	8.667	3.35	14.667	3.59	20.67	1.44
2.683	1.56	8.683	3.35	14.683	3.59	20.68	1.44
2.700	1.56	8.700	3.35	14.700	3.59	20.70	1.44
2.717	1.56	8.717	3.35	14.717	3.59	20.72	1.44
2.733	1.56	8.733	3.35	14.733	3.59	20.73	1.44
2.750	1.56	8.750	3.35	14.750	3.59	20.75	1.44
2.767	1.56	8.767	3.35	14.767	3.59	20.77	1.44
2.783	1.56	8.783	3.35	14.783	3.59	20.78	1.44
2.800	1.56	8.800	3.35	14.800	3.59	20.80	1.44
2.817	1.56	8.817	3.35	14.817	3.59	20.82	1.44
2.833	1.56	8.833	3.35	14.833	3.59	20.83	1.44
2.850	1.56	8.850	3.35	14.850	3.59	20.85	1.44
2.867	1.56	8.867	3.35	14.867	3.59	20.87	1.44
2.883	1.56	8.883	3.35	14.883	3.59	20.88	1.44
2.900	1.56	8.900	3.35	14.900	3.59	20.90	1.44
2.917	1.56	8.917	3.35	14.917	3.59	20.92	1.44
2.933	1.56	8.933	3.35	14.933	3.59	20.93	1.44
2.950	1.56	8.950	3.35	14.950	3.59	20.95	1.44
2.967	1.56	8.967	3.35	14.967	3.59	20.97	1.44
2.983	1.56	8.983	3.35	14.983	3.59	20.98	1.44
3.000	1.56	9.000	3.35	15.000	3.59	21.00	1.44
3.017	1.56	9.017	3.83	15.017	3.59	21.02	1.44
3.033	1.56	9.033	3.83	15.033	3.59	21.03	1.44
3.050	1.56	9.050	3.83	15.050	3.59	21.05	1.44
3.067	1.56	9.067	3.83	15.067	3.59	21.07	1.44
3.083	1.56	9.083	3.83	15.083	3.59	21.08	1.44
3.100	1.56	9.100	3.83	15.100	3.59	21.10	1.44
3.117	1.56	9.117	3.83	15.117	3.59	21.12	1.44
3.133	1.56	9.133	3.83	15.133	3.59	21.13	1.44
3.150	1.56	9.150	3.83	15.150	3.59	21.15	1.44
3.167	1.56	9.167	3.83	15.167	3.59	21.17	1.44
3.183	1.56	9.183	3.83	15.183	3.59	21.18	1.44
3.200	1.56	9.200	3.83	15.200	3.59	21.20	1.44
3.217	1.56	9.217	3.83	15.217	3.59	21.22	1.44
3.233	1.56	9.233	3.83	15.233	3.59	21.23	1.44
3.250	1.56	9.250	3.83	15.250	3.59	21.25	1.44
3.267	1.56	9.267	3.83	15.267	3.59	21.27	1.44
3.283	1.56	9.283	3.83	15.283	3.59	21.28	1.44
3.300	1.56	9.300	3.83	15.300	3.59	21.30	1.44

3.317	1.56	9.317	3.83	15.317	3.59	21.32	1.44
3.333	1.56	9.333	3.83	15.333	3.59	21.33	1.44
3.350	1.56	9.350	3.83	15.350	3.59	21.35	1.44
3.367	1.56	9.367	3.83	15.367	3.59	21.37	1.44
3.383	1.56	9.383	3.83	15.383	3.59	21.38	1.44
3.400	1.56	9.400	3.83	15.400	3.59	21.40	1.44
3.417	1.56	9.417	3.83	15.417	3.59	21.42	1.44
3.433	1.56	9.433	3.83	15.433	3.59	21.43	1.44
3.450	1.56	9.450	3.83	15.450	3.59	21.45	1.44
3.467	1.56	9.467	3.83	15.467	3.59	21.47	1.44
3.483	1.56	9.483	3.83	15.483	3.59	21.48	1.44
3.500	1.56	9.500	3.83	15.500	3.59	21.50	1.44
3.517	1.56	9.517	4.31	15.517	3.59	21.52	1.44
3.533	1.56	9.533	4.31	15.533	3.59	21.53	1.44
3.550	1.56	9.550	4.31	15.550	3.59	21.55	1.44
3.567	1.56	9.567	4.31	15.567	3.59	21.57	1.44
3.583	1.56	9.583	4.31	15.583	3.59	21.58	1.44
3.600	1.56	9.600	4.31	15.600	3.59	21.60	1.44
3.617	1.56	9.617	4.31	15.617	3.59	21.62	1.44
3.633	1.56	9.633	4.31	15.633	3.59	21.63	1.44
3.650	1.56	9.650	4.31	15.650	3.59	21.65	1.44
3.667	1.56	9.667	4.31	15.667	3.59	21.67	1.44
3.683	1.56	9.683	4.31	15.683	3.59	21.68	1.44
3.700	1.56	9.700	4.31	15.700	3.59	21.70	1.44
3.717	1.56	9.717	4.31	15.717	3.59	21.72	1.44
3.733	1.56	9.733	4.31	15.733	3.59	21.73	1.44
3.750	1.56	9.750	4.31	15.750	3.59	21.75	1.44
3.767	1.56	9.767	4.31	15.767	3.59	21.77	1.44
3.783	1.56	9.783	4.31	15.783	3.59	21.78	1.44
3.800	1.56	9.800	4.31	15.800	3.59	21.80	1.44
3.817	1.56	9.817	4.31	15.817	3.59	21.82	1.44
3.833	1.56	9.833	4.31	15.833	3.59	21.83	1.44
3.850	1.56	9.850	4.31	15.850	3.59	21.85	1.44
3.867	1.56	9.867	4.31	15.867	3.59	21.87	1.44
3.883	1.56	9.883	4.31	15.883	3.59	21.88	1.44
3.900	1.56	9.900	4.31	15.900	3.59	21.90	1.44
3.917	1.56	9.917	4.31	15.917	3.59	21.92	1.44
3.933	1.56	9.933	4.31	15.933	3.59	21.93	1.44
3.950	1.56	9.950	4.31	15.950	3.59	21.95	1.44
3.967	1.56	9.967	4.31	15.967	3.59	21.97	1.44
3.983	1.56	9.983	4.31	15.983	3.59	21.98	1.44
4.000	1.56	10.000	4.31	16.000	3.59	22.00	1.44
4.017	1.91	10.017	5.50	16.017	2.15	22.02	1.44
4.033	1.91	10.033	5.50	16.033	2.15	22.03	1.44
4.050	1.91	10.050	5.50	16.050	2.15	22.05	1.44
4.067	1.91	10.067	5.50	16.067	2.15	22.07	1.44
4.083	1.91	10.083	5.50	16.083	2.15	22.08	1.44
4.100	1.91	10.100	5.50	16.100	2.15	22.10	1.44
4.117	1.91	10.117	5.50	16.117	2.15	22.12	1.44
4.133	1.91	10.133	5.50	16.133	2.15	22.13	1.44
4.150	1.91	10.150	5.50	16.150	2.15	22.15	1.44
4.167	1.91	10.167	5.50	16.167	2.15	22.17	1.44
4.183	1.91	10.183	5.50	16.183	2.15	22.18	1.44
4.200	1.91	10.200	5.50	16.200	2.15	22.20	1.44
4.217	1.91	10.217	5.50	16.217	2.15	22.22	1.44
4.233	1.91	10.233	5.50	16.233	2.15	22.23	1.44
4.250	1.91	10.250	5.50	16.250	2.15	22.25	1.44
4.267	1.91	10.267	5.50	16.267	2.15	22.27	1.44
4.283	1.91	10.283	5.50	16.283	2.15	22.28	1.44
4.300	1.91	10.300	5.50	16.300	2.15	22.30	1.44
4.317	1.91	10.317	5.50	16.317	2.15	22.32	1.44
4.333	1.91	10.333	5.50	16.333	2.15	22.33	1.44
4.350	1.91	10.350	5.50	16.350	2.15	22.35	1.44
4.367	1.91	10.367	5.50	16.367	2.15	22.37	1.44
4.383	1.91	10.383	5.50	16.383	2.15	22.38	1.44
4.400	1.91	10.400	5.50	16.400	2.15	22.40	1.44
4.417	1.91	10.417	5.50	16.417	2.15	22.42	1.44
4.433	1.91	10.433	5.50	16.433	2.15	22.43	1.44
4.450	1.91	10.450	5.50	16.450	2.15	22.45	1.44
4.467	1.91	10.467	5.50	16.467	2.15	22.47	1.44
4.483	1.91	10.483	5.50	16.483	2.15	22.48	1.44
4.500	1.91	10.500	5.51	16.500	2.15	22.50	1.44
4.517	1.91	10.517	7.42	16.517	2.15	22.52	1.44
4.533	1.91	10.533	7.42	16.533	2.15	22.53	1.44
4.550	1.91	10.550	7.42	16.550	2.15	22.55	1.44
4.567	1.91	10.567	7.42	16.567	2.15	22.57	1.44
4.583	1.91	10.583	7.42	16.583	2.15	22.58	1.44
4.600	1.91	10.600	7.42	16.600	2.15	22.60	1.44
4.617	1.91	10.617	7.42	16.617	2.15	22.62	1.44
4.633	1.91	10.633	7.42	16.633	2.15	22.63	1.44
4.650	1.91	10.650	7.42	16.650	2.15	22.65	1.44
4.667	1.91	10.667	7.42	16.667	2.15	22.67	1.44
4.683	1.91	10.683	7.42	16.683	2.15	22.68	1.44
4.700	1.91	10.700	7.42	16.700	2.15	22.70	1.44

4.717	1.91	10.717	7.42	16.717	2.15	22.72	1.44
4.733	1.91	10.733	7.42	16.733	2.15	22.73	1.44
4.750	1.91	10.750	7.42	16.750	2.15	22.75	1.44
4.767	1.91	10.767	7.42	16.767	2.15	22.77	1.44
4.783	1.91	10.783	7.42	16.783	2.15	22.78	1.44
4.800	1.91	10.800	7.42	16.800	2.15	22.80	1.44
4.817	1.91	10.817	7.42	16.817	2.15	22.82	1.44
4.833	1.91	10.833	7.42	16.833	2.15	22.83	1.44
4.850	1.91	10.850	7.42	16.850	2.15	22.85	1.44
4.867	1.91	10.867	7.42	16.867	2.15	22.87	1.44
4.883	1.91	10.883	7.42	16.883	2.15	22.88	1.44
4.900	1.91	10.900	7.42	16.900	2.15	22.90	1.44
4.917	1.91	10.917	7.42	16.917	2.15	22.92	1.44
4.933	1.91	10.933	7.42	16.933	2.15	22.93	1.44
4.950	1.91	10.950	7.42	16.950	2.15	22.95	1.44
4.967	1.91	10.967	7.42	16.967	2.15	22.97	1.44
4.983	1.91	10.983	7.42	16.983	2.15	22.98	1.44
5.000	1.91	11.000	7.42	17.000	2.15	23.00	1.44
5.017	1.91	11.017	11.49	17.017	2.15	23.02	1.44
5.033	1.91	11.033	11.49	17.033	2.15	23.03	1.44
5.050	1.91	11.050	11.49	17.050	2.15	23.05	1.44
5.067	1.91	11.067	11.49	17.067	2.15	23.07	1.44
5.083	1.91	11.083	11.49	17.083	2.15	23.08	1.44
5.100	1.91	11.100	11.49	17.100	2.15	23.10	1.44
5.117	1.91	11.117	11.49	17.117	2.15	23.12	1.44
5.133	1.91	11.133	11.49	17.133	2.15	23.13	1.44
5.150	1.91	11.150	11.49	17.150	2.15	23.15	1.44
5.167	1.91	11.167	11.49	17.167	2.15	23.17	1.44
5.183	1.91	11.183	11.49	17.183	2.15	23.18	1.44
5.200	1.91	11.200	11.49	17.200	2.15	23.20	1.44
5.217	1.91	11.217	11.49	17.217	2.15	23.22	1.44
5.233	1.91	11.233	11.49	17.233	2.15	23.23	1.44
5.250	1.91	11.250	11.49	17.250	2.15	23.25	1.44
5.267	1.91	11.267	11.49	17.267	2.15	23.27	1.44
5.283	1.91	11.283	11.49	17.283	2.15	23.28	1.44
5.300	1.91	11.300	11.49	17.300	2.15	23.30	1.44
5.317	1.91	11.317	11.49	17.317	2.15	23.32	1.44
5.333	1.91	11.333	11.49	17.333	2.15	23.33	1.44
5.350	1.91	11.350	11.49	17.350	2.15	23.35	1.44
5.367	1.91	11.367	11.49	17.367	2.15	23.37	1.44
5.383	1.91	11.383	11.49	17.383	2.15	23.38	1.44
5.400	1.91	11.400	11.49	17.400	2.15	23.40	1.44
5.417	1.91	11.417	11.49	17.417	2.15	23.42	1.44
5.433	1.91	11.433	11.49	17.433	2.15	23.43	1.44
5.450	1.91	11.450	11.49	17.450	2.15	23.45	1.44
5.467	1.91	11.467	11.49	17.467	2.15	23.47	1.44
5.483	1.91	11.483	11.49	17.483	2.15	23.48	1.44
5.500	1.91	11.500	11.49	17.500	2.15	23.50	1.44
5.517	1.91	11.517	35.41	17.517	2.15	23.52	1.44
5.533	1.91	11.533	35.42	17.533	2.15	23.53	1.44
5.550	1.91	11.550	35.42	17.550	2.15	23.55	1.44
5.567	1.91	11.567	35.42	17.567	2.15	23.57	1.44
5.583	1.91	11.583	35.42	17.583	2.15	23.58	1.44
5.600	1.91	11.600	35.42	17.600	2.15	23.60	1.44
5.617	1.91	11.617	35.42	17.617	2.15	23.62	1.44
5.633	1.91	11.633	35.42	17.633	2.15	23.63	1.44
5.650	1.91	11.650	35.42	17.650	2.15	23.65	1.44
5.667	1.91	11.667	35.42	17.667	2.15	23.67	1.44
5.683	1.91	11.683	35.42	17.683	2.15	23.68	1.44
5.700	1.91	11.700	35.42	17.700	2.15	23.70	1.44
5.717	1.91	11.717	35.42	17.717	2.15	23.72	1.44
5.733	1.91	11.733	35.42	17.733	2.15	23.73	1.44
5.750	1.91	11.750	35.42	17.750	2.15	23.75	1.44
5.767	1.91	11.767	146.40	17.767	2.15	23.77	1.44
5.783	1.91	11.783	146.45	17.783	2.15	23.78	1.44
5.800	1.91	11.800	146.45	17.800	2.15	23.80	1.44
5.817	1.91	11.817	146.45	17.817	2.15	23.82	1.44
5.833	1.91	11.833	146.45	17.833	2.15	23.83	1.44
5.850	1.91	11.850	146.45	17.850	2.15	23.85	1.44
5.867	1.91	11.867	146.45	17.867	2.15	23.87	1.44
5.883	1.91	11.883	146.45	17.883	2.15	23.88	1.44
5.900	1.91	11.900	146.45	17.900	2.15	23.90	1.44
5.917	1.91	11.917	146.45	17.917	2.15	23.92	1.44
5.933	1.91	11.933	146.45	17.933	2.15	23.93	1.44
5.950	1.91	11.950	146.45	17.950	2.15	23.95	1.44
5.967	1.91	11.967	146.45	17.967	2.15	23.97	1.44
5.983	1.91	11.983	146.45	17.983	2.15	23.98	1.44
6.000	1.91	12.000	146.45	18.000	2.15	24.00	1.44

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.853 (i)
TIME TO PEAK (hrs)= 12.367
RUNOFF VOLUME (mm)= 32.388

TOTAL RAINFALL (mm)= 119.651
RUNOFF COEFFICIENT = 0.271

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0204)
ID= 1 DT= 1.0 min

Area (ha)= 0.96
Total Imp(%)= 68.00 Dir. Conn.(%)= 47.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.65	0.31
Dep. Storage (mm)=	2.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.32	6.017	2.15	12.017	17.32	18.02	2.15
0.033	1.32	6.033	2.15	12.033	17.23	18.03	2.15
0.050	1.32	6.050	2.15	12.050	17.23	18.05	2.15
0.067	1.32	6.067	2.15	12.067	17.23	18.07	2.15
0.083	1.32	6.083	2.15	12.083	17.23	18.08	2.15
0.100	1.32	6.100	2.15	12.100	17.23	18.10	2.15
0.117	1.32	6.117	2.15	12.117	17.23	18.12	2.15
0.133	1.32	6.133	2.15	12.133	17.23	18.13	2.15
0.150	1.32	6.150	2.15	12.150	17.23	18.15	2.15
0.167	1.32	6.167	2.15	12.167	17.23	18.17	2.15
0.183	1.32	6.183	2.15	12.183	17.23	18.18	2.15
0.200	1.32	6.200	2.15	12.200	17.23	18.20	2.15
0.217	1.32	6.217	2.15	12.217	17.23	18.22	2.15
0.233	1.32	6.233	2.15	12.233	17.23	18.23	2.15
0.250	1.32	6.250	2.15	12.250	17.23	18.25	2.15
0.267	1.32	6.267	2.15	12.267	17.23	18.27	2.15
0.283	1.32	6.283	2.15	12.283	17.23	18.28	2.15
0.300	1.32	6.300	2.15	12.300	17.23	18.30	2.15
0.317	1.32	6.317	2.15	12.317	17.23	18.32	2.15
0.333	1.32	6.333	2.15	12.333	17.23	18.33	2.15
0.350	1.32	6.350	2.15	12.350	17.23	18.35	2.15
0.367	1.32	6.367	2.15	12.367	17.23	18.37	2.15
0.383	1.32	6.383	2.15	12.383	17.23	18.38	2.15
0.400	1.32	6.400	2.15	12.400	17.23	18.40	2.15
0.417	1.32	6.417	2.15	12.417	17.23	18.42	2.15
0.433	1.32	6.433	2.15	12.433	17.23	18.43	2.15
0.450	1.32	6.450	2.15	12.450	17.23	18.45	2.15
0.467	1.32	6.467	2.15	12.467	17.23	18.47	2.15
0.483	1.32	6.483	2.15	12.483	17.23	18.48	2.15
0.500	1.32	6.500	2.15	12.500	17.23	18.50	2.15
0.517	1.32	6.517	2.15	12.517	8.86	18.52	2.15
0.533	1.32	6.533	2.15	12.533	8.85	18.53	2.15
0.550	1.32	6.550	2.15	12.550	8.85	18.55	2.15
0.567	1.32	6.567	2.15	12.567	8.85	18.57	2.15
0.583	1.32	6.583	2.15	12.583	8.85	18.58	2.15
0.600	1.32	6.600	2.15	12.600	8.85	18.60	2.15
0.617	1.32	6.617	2.15	12.617	8.85	18.62	2.15
0.633	1.32	6.633	2.15	12.633	8.85	18.63	2.15
0.650	1.32	6.650	2.15	12.650	8.85	18.65	2.15
0.667	1.32	6.667	2.15	12.667	8.85	18.67	2.15
0.683	1.32	6.683	2.15	12.683	8.85	18.68	2.15
0.700	1.32	6.700	2.15	12.700	8.85	18.70	2.15
0.717	1.32	6.717	2.15	12.717	8.85	18.72	2.15
0.733	1.32	6.733	2.15	12.733	8.85	18.73	2.15
0.750	1.32	6.750	2.15	12.750	8.85	18.75	2.15
0.767	1.32	6.767	2.15	12.767	8.85	18.77	2.15
0.783	1.32	6.783	2.15	12.783	8.85	18.78	2.15
0.800	1.32	6.800	2.15	12.800	8.85	18.80	2.15
0.817	1.32	6.817	2.15	12.817	8.85	18.82	2.15
0.833	1.32	6.833	2.15	12.833	8.85	18.83	2.15
0.850	1.32	6.850	2.15	12.850	8.85	18.85	2.15
0.867	1.32	6.867	2.15	12.867	8.85	18.87	2.15
0.883	1.32	6.883	2.15	12.883	8.85	18.88	2.15
0.900	1.32	6.900	2.15	12.900	8.85	18.90	2.15
0.917	1.32	6.917	2.15	12.917	8.85	18.92	2.15
0.933	1.32	6.933	2.15	12.933	8.85	18.93	2.15
0.950	1.32	6.950	2.15	12.950	8.85	18.95	2.15
0.967	1.32	6.967	2.15	12.967	8.85	18.97	2.15
0.983	1.32	6.983	2.15	12.983	8.85	18.98	2.15
1.000	1.32	7.000	2.15	13.000	8.85	19.00	2.15

1.017	1.32	7.017	2.63	13.017	6.46	19.02	2.15
1.033	1.32	7.033	2.63	13.033	6.46	19.03	2.15
1.050	1.32	7.050	2.63	13.050	6.46	19.05	2.15
1.067	1.32	7.067	2.63	13.067	6.46	19.07	2.15
1.083	1.32	7.083	2.63	13.083	6.46	19.08	2.15
1.100	1.32	7.100	2.63	13.100	6.46	19.10	2.15
1.117	1.32	7.117	2.63	13.117	6.46	19.12	2.15
1.133	1.32	7.133	2.63	13.133	6.46	19.13	2.15
1.150	1.32	7.150	2.63	13.150	6.46	19.15	2.15
1.167	1.32	7.167	2.63	13.167	6.46	19.17	2.15
1.183	1.32	7.183	2.63	13.183	6.46	19.18	2.15
1.200	1.32	7.200	2.63	13.200	6.46	19.20	2.15
1.217	1.32	7.217	2.63	13.217	6.46	19.22	2.15
1.233	1.32	7.233	2.63	13.233	6.46	19.23	2.15
1.250	1.32	7.250	2.63	13.250	6.46	19.25	2.15
1.267	1.32	7.267	2.63	13.267	6.46	19.27	2.15
1.283	1.32	7.283	2.63	13.283	6.46	19.28	2.15
1.300	1.32	7.300	2.63	13.300	6.46	19.30	2.15
1.317	1.32	7.317	2.63	13.317	6.46	19.32	2.15
1.333	1.32	7.333	2.63	13.333	6.46	19.33	2.15
1.350	1.32	7.350	2.63	13.350	6.46	19.35	2.15
1.367	1.32	7.367	2.63	13.367	6.46	19.37	2.15
1.383	1.32	7.383	2.63	13.383	6.46	19.38	2.15
1.400	1.32	7.400	2.63	13.400	6.46	19.40	2.15
1.417	1.32	7.417	2.63	13.417	6.46	19.42	2.15
1.433	1.32	7.433	2.63	13.433	6.46	19.43	2.15
1.450	1.32	7.450	2.63	13.450	6.46	19.45	2.15
1.467	1.32	7.467	2.63	13.467	6.46	19.47	2.15
1.483	1.32	7.483	2.63	13.483	6.46	19.48	2.15
1.500	1.32	7.500	2.63	13.500	6.46	19.50	2.15
1.517	1.32	7.517	2.63	13.517	5.03	19.52	2.15
1.533	1.32	7.533	2.63	13.533	5.03	19.53	2.15
1.550	1.32	7.550	2.63	13.550	5.03	19.55	2.15
1.567	1.32	7.567	2.63	13.567	5.03	19.57	2.15
1.583	1.32	7.583	2.63	13.583	5.03	19.58	2.15
1.600	1.32	7.600	2.63	13.600	5.03	19.60	2.15
1.617	1.32	7.617	2.63	13.617	5.03	19.62	2.15
1.633	1.32	7.633	2.63	13.633	5.03	19.63	2.15
1.650	1.32	7.650	2.63	13.650	5.03	19.65	2.15
1.667	1.32	7.667	2.63	13.667	5.03	19.67	2.15
1.683	1.32	7.683	2.63	13.683	5.03	19.68	2.15
1.700	1.32	7.700	2.63	13.700	5.03	19.70	2.15
1.717	1.32	7.717	2.63	13.717	5.03	19.72	2.15
1.733	1.32	7.733	2.63	13.733	5.03	19.73	2.15
1.750	1.32	7.750	2.63	13.750	5.03	19.75	2.15
1.767	1.32	7.767	2.63	13.767	5.03	19.77	2.15
1.783	1.32	7.783	2.63	13.783	5.03	19.78	2.15
1.800	1.32	7.800	2.63	13.800	5.03	19.80	2.15
1.817	1.32	7.817	2.63	13.817	5.03	19.82	2.15
1.833	1.32	7.833	2.63	13.833	5.03	19.83	2.15
1.850	1.32	7.850	2.63	13.850	5.03	19.85	2.15
1.867	1.32	7.867	2.63	13.867	5.03	19.87	2.15
1.883	1.32	7.883	2.63	13.883	5.03	19.88	2.15
1.900	1.32	7.900	2.63	13.900	5.03	19.90	2.15
1.917	1.32	7.917	2.63	13.917	5.03	19.92	2.15
1.933	1.32	7.933	2.63	13.933	5.03	19.93	2.15
1.950	1.32	7.950	2.63	13.950	5.03	19.95	2.15
1.967	1.32	7.967	2.63	13.967	5.03	19.97	2.15
1.983	1.32	7.983	2.63	13.983	5.03	19.98	2.15
2.000	1.32	8.000	2.63	14.000	5.03	20.00	2.15
2.017	1.56	8.017	3.11	14.017	3.59	20.02	1.44
2.033	1.56	8.033	3.11	14.033	3.59	20.03	1.44
2.050	1.56	8.050	3.11	14.050	3.59	20.05	1.44
2.067	1.56	8.067	3.11	14.067	3.59	20.07	1.44
2.083	1.56	8.083	3.11	14.083	3.59	20.08	1.44
2.100	1.56	8.100	3.11	14.100	3.59	20.10	1.44
2.117	1.56	8.117	3.11	14.117	3.59	20.12	1.44
2.133	1.56	8.133	3.11	14.133	3.59	20.13	1.44
2.150	1.56	8.150	3.11	14.150	3.59	20.15	1.44
2.167	1.56	8.167	3.11	14.167	3.59	20.17	1.44
2.183	1.56	8.183	3.11	14.183	3.59	20.18	1.44
2.200	1.56	8.200	3.11	14.200	3.59	20.20	1.44
2.217	1.56	8.217	3.11	14.217	3.59	20.22	1.44
2.233	1.56	8.233	3.11	14.233	3.59	20.23	1.44
2.250	1.56	8.250	3.11	14.250	3.59	20.25	1.44
2.267	1.56	8.267	3.11	14.267	3.59	20.27	1.44
2.283	1.56	8.283	3.11	14.283	3.59	20.28	1.44
2.300	1.56	8.300	3.11	14.300	3.59	20.30	1.44
2.317	1.56	8.317	3.11	14.317	3.59	20.32	1.44
2.333	1.56	8.333	3.11	14.333	3.59	20.33	1.44
2.350	1.56	8.350	3.11	14.350	3.59	20.35	1.44
2.367	1.56	8.367	3.11	14.367	3.59	20.37	1.44
2.383	1.56	8.383	3.11	14.383	3.59	20.38	1.44
2.400	1.56	8.400	3.11	14.400	3.59	20.40	1.44

2.417	1.56	8.417	3.11	14.417	3.59	20.42	1.44
2.433	1.56	8.433	3.11	14.433	3.59	20.43	1.44
2.450	1.56	8.450	3.11	14.450	3.59	20.45	1.44
2.467	1.56	8.467	3.11	14.467	3.59	20.47	1.44
2.483	1.56	8.483	3.11	14.483	3.59	20.48	1.44
2.500	1.56	8.500	3.11	14.500	3.59	20.50	1.44
2.517	1.56	8.517	3.35	14.517	3.59	20.52	1.44
2.533	1.56	8.533	3.35	14.533	3.59	20.53	1.44
2.550	1.56	8.550	3.35	14.550	3.59	20.55	1.44
2.567	1.56	8.567	3.35	14.567	3.59	20.57	1.44
2.583	1.56	8.583	3.35	14.583	3.59	20.58	1.44
2.600	1.56	8.600	3.35	14.600	3.59	20.60	1.44
2.617	1.56	8.617	3.35	14.617	3.59	20.62	1.44
2.633	1.56	8.633	3.35	14.633	3.59	20.63	1.44
2.650	1.56	8.650	3.35	14.650	3.59	20.65	1.44
2.667	1.56	8.667	3.35	14.667	3.59	20.67	1.44
2.683	1.56	8.683	3.35	14.683	3.59	20.68	1.44
2.700	1.56	8.700	3.35	14.700	3.59	20.70	1.44
2.717	1.56	8.717	3.35	14.717	3.59	20.72	1.44
2.733	1.56	8.733	3.35	14.733	3.59	20.73	1.44
2.750	1.56	8.750	3.35	14.750	3.59	20.75	1.44
2.767	1.56	8.767	3.35	14.767	3.59	20.77	1.44
2.783	1.56	8.783	3.35	14.783	3.59	20.78	1.44
2.800	1.56	8.800	3.35	14.800	3.59	20.80	1.44
2.817	1.56	8.817	3.35	14.817	3.59	20.82	1.44
2.833	1.56	8.833	3.35	14.833	3.59	20.83	1.44
2.850	1.56	8.850	3.35	14.850	3.59	20.85	1.44
2.867	1.56	8.867	3.35	14.867	3.59	20.87	1.44
2.883	1.56	8.883	3.35	14.883	3.59	20.88	1.44
2.900	1.56	8.900	3.35	14.900	3.59	20.90	1.44
2.917	1.56	8.917	3.35	14.917	3.59	20.92	1.44
2.933	1.56	8.933	3.35	14.933	3.59	20.93	1.44
2.950	1.56	8.950	3.35	14.950	3.59	20.95	1.44
2.967	1.56	8.967	3.35	14.967	3.59	20.97	1.44
2.983	1.56	8.983	3.35	14.983	3.59	20.98	1.44
3.000	1.56	9.000	3.35	15.000	3.59	21.00	1.44
3.017	1.56	9.017	3.83	15.017	3.59	21.02	1.44
3.033	1.56	9.033	3.83	15.033	3.59	21.03	1.44
3.050	1.56	9.050	3.83	15.050	3.59	21.05	1.44
3.067	1.56	9.067	3.83	15.067	3.59	21.07	1.44
3.083	1.56	9.083	3.83	15.083	3.59	21.08	1.44
3.100	1.56	9.100	3.83	15.100	3.59	21.10	1.44
3.117	1.56	9.117	3.83	15.117	3.59	21.12	1.44
3.133	1.56	9.133	3.83	15.133	3.59	21.13	1.44
3.150	1.56	9.150	3.83	15.150	3.59	21.15	1.44
3.167	1.56	9.167	3.83	15.167	3.59	21.17	1.44
3.183	1.56	9.183	3.83	15.183	3.59	21.18	1.44
3.200	1.56	9.200	3.83	15.200	3.59	21.20	1.44
3.217	1.56	9.217	3.83	15.217	3.59	21.22	1.44
3.233	1.56	9.233	3.83	15.233	3.59	21.23	1.44
3.250	1.56	9.250	3.83	15.250	3.59	21.25	1.44
3.267	1.56	9.267	3.83	15.267	3.59	21.27	1.44
3.283	1.56	9.283	3.83	15.283	3.59	21.28	1.44
3.300	1.56	9.300	3.83	15.300	3.59	21.30	1.44
3.317	1.56	9.317	3.83	15.317	3.59	21.32	1.44
3.333	1.56	9.333	3.83	15.333	3.59	21.33	1.44
3.350	1.56	9.350	3.83	15.350	3.59	21.35	1.44
3.367	1.56	9.367	3.83	15.367	3.59	21.37	1.44
3.383	1.56	9.383	3.83	15.383	3.59	21.38	1.44
3.400	1.56	9.400	3.83	15.400	3.59	21.40	1.44
3.417	1.56	9.417	3.83	15.417	3.59	21.42	1.44
3.433	1.56	9.433	3.83	15.433	3.59	21.43	1.44
3.450	1.56	9.450	3.83	15.450	3.59	21.45	1.44
3.467	1.56	9.467	3.83	15.467	3.59	21.47	1.44
3.483	1.56	9.483	3.83	15.483	3.59	21.48	1.44
3.500	1.56	9.500	3.83	15.500	3.59	21.50	1.44
3.517	1.56	9.517	4.31	15.517	3.59	21.52	1.44
3.533	1.56	9.533	4.31	15.533	3.59	21.53	1.44
3.550	1.56	9.550	4.31	15.550	3.59	21.55	1.44
3.567	1.56	9.567	4.31	15.567	3.59	21.57	1.44
3.583	1.56	9.583	4.31	15.583	3.59	21.58	1.44
3.600	1.56	9.600	4.31	15.600	3.59	21.60	1.44
3.617	1.56	9.617	4.31	15.617	3.59	21.62	1.44
3.633	1.56	9.633	4.31	15.633	3.59	21.63	1.44
3.650	1.56	9.650	4.31	15.650	3.59	21.65	1.44
3.667	1.56	9.667	4.31	15.667	3.59	21.67	1.44
3.683	1.56	9.683	4.31	15.683	3.59	21.68	1.44
3.700	1.56	9.700	4.31	15.700	3.59	21.70	1.44
3.717	1.56	9.717	4.31	15.717	3.59	21.72	1.44
3.733	1.56	9.733	4.31	15.733	3.59	21.73	1.44
3.750	1.56	9.750	4.31	15.750	3.59	21.75	1.44
3.767	1.56	9.767	4.31	15.767	3.59	21.77	1.44
3.783	1.56	9.783	4.31	15.783	3.59	21.78	1.44
3.800	1.56	9.800	4.31	15.800	3.59	21.80	1.44

3.817	1.56	9.817	4.31	15.817	3.59	21.82	1.44
3.833	1.56	9.833	4.31	15.833	3.59	21.83	1.44
3.850	1.56	9.850	4.31	15.850	3.59	21.85	1.44
3.867	1.56	9.867	4.31	15.867	3.59	21.87	1.44
3.883	1.56	9.883	4.31	15.883	3.59	21.88	1.44
3.900	1.56	9.900	4.31	15.900	3.59	21.90	1.44
3.917	1.56	9.917	4.31	15.917	3.59	21.92	1.44
3.933	1.56	9.933	4.31	15.933	3.59	21.93	1.44
3.950	1.56	9.950	4.31	15.950	3.59	21.95	1.44
3.967	1.56	9.967	4.31	15.967	3.59	21.97	1.44
3.983	1.56	9.983	4.31	15.983	3.59	21.98	1.44
4.000	1.56	10.000	4.31	16.000	3.59	22.00	1.44
4.017	1.91	10.017	5.50	16.017	2.15	22.02	1.44
4.033	1.91	10.033	5.50	16.033	2.15	22.03	1.44
4.050	1.91	10.050	5.50	16.050	2.15	22.05	1.44
4.067	1.91	10.067	5.50	16.067	2.15	22.07	1.44
4.083	1.91	10.083	5.50	16.083	2.15	22.08	1.44
4.100	1.91	10.100	5.50	16.100	2.15	22.10	1.44
4.117	1.91	10.117	5.50	16.117	2.15	22.12	1.44
4.133	1.91	10.133	5.50	16.133	2.15	22.13	1.44
4.150	1.91	10.150	5.50	16.150	2.15	22.15	1.44
4.167	1.91	10.167	5.50	16.167	2.15	22.17	1.44
4.183	1.91	10.183	5.50	16.183	2.15	22.18	1.44
4.200	1.91	10.200	5.50	16.200	2.15	22.20	1.44
4.217	1.91	10.217	5.50	16.217	2.15	22.22	1.44
4.233	1.91	10.233	5.50	16.233	2.15	22.23	1.44
4.250	1.91	10.250	5.50	16.250	2.15	22.25	1.44
4.267	1.91	10.267	5.50	16.267	2.15	22.27	1.44
4.283	1.91	10.283	5.50	16.283	2.15	22.28	1.44
4.300	1.91	10.300	5.50	16.300	2.15	22.30	1.44
4.317	1.91	10.317	5.50	16.317	2.15	22.32	1.44
4.333	1.91	10.333	5.50	16.333	2.15	22.33	1.44
4.350	1.91	10.350	5.50	16.350	2.15	22.35	1.44
4.367	1.91	10.367	5.50	16.367	2.15	22.37	1.44
4.383	1.91	10.383	5.50	16.383	2.15	22.38	1.44
4.400	1.91	10.400	5.50	16.400	2.15	22.40	1.44
4.417	1.91	10.417	5.50	16.417	2.15	22.42	1.44
4.433	1.91	10.433	5.50	16.433	2.15	22.43	1.44
4.450	1.91	10.450	5.50	16.450	2.15	22.45	1.44
4.467	1.91	10.467	5.50	16.467	2.15	22.47	1.44
4.483	1.91	10.483	5.50	16.483	2.15	22.48	1.44
4.500	1.91	10.500	5.51	16.500	2.15	22.50	1.44
4.517	1.91	10.517	7.42	16.517	2.15	22.52	1.44
4.533	1.91	10.533	7.42	16.533	2.15	22.53	1.44
4.550	1.91	10.550	7.42	16.550	2.15	22.55	1.44
4.567	1.91	10.567	7.42	16.567	2.15	22.57	1.44
4.583	1.91	10.583	7.42	16.583	2.15	22.58	1.44
4.600	1.91	10.600	7.42	16.600	2.15	22.60	1.44
4.617	1.91	10.617	7.42	16.617	2.15	22.62	1.44
4.633	1.91	10.633	7.42	16.633	2.15	22.63	1.44
4.650	1.91	10.650	7.42	16.650	2.15	22.65	1.44
4.667	1.91	10.667	7.42	16.667	2.15	22.67	1.44
4.683	1.91	10.683	7.42	16.683	2.15	22.68	1.44
4.700	1.91	10.700	7.42	16.700	2.15	22.70	1.44
4.717	1.91	10.717	7.42	16.717	2.15	22.72	1.44
4.733	1.91	10.733	7.42	16.733	2.15	22.73	1.44
4.750	1.91	10.750	7.42	16.750	2.15	22.75	1.44
4.767	1.91	10.767	7.42	16.767	2.15	22.77	1.44
4.783	1.91	10.783	7.42	16.783	2.15	22.78	1.44
4.800	1.91	10.800	7.42	16.800	2.15	22.80	1.44
4.817	1.91	10.817	7.42	16.817	2.15	22.82	1.44
4.833	1.91	10.833	7.42	16.833	2.15	22.83	1.44
4.850	1.91	10.850	7.42	16.850	2.15	22.85	1.44
4.867	1.91	10.867	7.42	16.867	2.15	22.87	1.44
4.883	1.91	10.883	7.42	16.883	2.15	22.88	1.44
4.900	1.91	10.900	7.42	16.900	2.15	22.90	1.44
4.917	1.91	10.917	7.42	16.917	2.15	22.92	1.44
4.933	1.91	10.933	7.42	16.933	2.15	22.93	1.44
4.950	1.91	10.950	7.42	16.950	2.15	22.95	1.44
4.967	1.91	10.967	7.42	16.967	2.15	22.97	1.44
4.983	1.91	10.983	7.42	16.983	2.15	22.98	1.44
5.000	1.91	11.000	7.42	17.000	2.15	23.00	1.44
5.017	1.91	11.017	11.49	17.017	2.15	23.02	1.44
5.033	1.91	11.033	11.49	17.033	2.15	23.03	1.44
5.050	1.91	11.050	11.49	17.050	2.15	23.05	1.44
5.067	1.91	11.067	11.49	17.067	2.15	23.07	1.44
5.083	1.91	11.083	11.49	17.083	2.15	23.08	1.44
5.100	1.91	11.100	11.49	17.100	2.15	23.10	1.44
5.117	1.91	11.117	11.49	17.117	2.15	23.12	1.44
5.133	1.91	11.133	11.49	17.133	2.15	23.13	1.44
5.150	1.91	11.150	11.49	17.150	2.15	23.15	1.44
5.167	1.91	11.167	11.49	17.167	2.15	23.17	1.44
5.183	1.91	11.183	11.49	17.183	2.15	23.18	1.44
5.200	1.91	11.200	11.49	17.200	2.15	23.20	1.44

5.217	1.91	11.217	11.49	17.217	2.15	23.22	1.44
5.233	1.91	11.233	11.49	17.233	2.15	23.23	1.44
5.250	1.91	11.250	11.49	17.250	2.15	23.25	1.44
5.267	1.91	11.267	11.49	17.267	2.15	23.27	1.44
5.283	1.91	11.283	11.49	17.283	2.15	23.28	1.44
5.300	1.91	11.300	11.49	17.300	2.15	23.30	1.44
5.317	1.91	11.317	11.49	17.317	2.15	23.32	1.44
5.333	1.91	11.333	11.49	17.333	2.15	23.33	1.44
5.350	1.91	11.350	11.49	17.350	2.15	23.35	1.44
5.367	1.91	11.367	11.49	17.367	2.15	23.37	1.44
5.383	1.91	11.383	11.49	17.383	2.15	23.38	1.44
5.400	1.91	11.400	11.49	17.400	2.15	23.40	1.44
5.417	1.91	11.417	11.49	17.417	2.15	23.42	1.44
5.433	1.91	11.433	11.49	17.433	2.15	23.43	1.44
5.450	1.91	11.450	11.49	17.450	2.15	23.45	1.44
5.467	1.91	11.467	11.49	17.467	2.15	23.47	1.44
5.483	1.91	11.483	11.49	17.483	2.15	23.48	1.44
5.500	1.91	11.500	11.49	17.500	2.15	23.50	1.44
5.517	1.91	11.517	35.41	17.517	2.15	23.52	1.44
5.533	1.91	11.533	35.42	17.533	2.15	23.53	1.44
5.550	1.91	11.550	35.42	17.550	2.15	23.55	1.44
5.567	1.91	11.567	35.42	17.567	2.15	23.57	1.44
5.583	1.91	11.583	35.42	17.583	2.15	23.58	1.44
5.600	1.91	11.600	35.42	17.600	2.15	23.60	1.44
5.617	1.91	11.617	35.42	17.617	2.15	23.62	1.44
5.633	1.91	11.633	35.42	17.633	2.15	23.63	1.44
5.650	1.91	11.650	35.42	17.650	2.15	23.65	1.44
5.667	1.91	11.667	35.42	17.667	2.15	23.67	1.44
5.683	1.91	11.683	35.42	17.683	2.15	23.68	1.44
5.700	1.91	11.700	35.42	17.700	2.15	23.70	1.44
5.717	1.91	11.717	35.42	17.717	2.15	23.72	1.44
5.733	1.91	11.733	35.42	17.733	2.15	23.73	1.44
5.750	1.91	11.750	35.42	17.750	2.15	23.75	1.44
5.767	1.91	11.767	146.40	17.767	2.15	23.77	1.44
5.783	1.91	11.783	146.45	17.783	2.15	23.78	1.44
5.800	1.91	11.800	146.45	17.800	2.15	23.80	1.44
5.817	1.91	11.817	146.45	17.817	2.15	23.82	1.44
5.833	1.91	11.833	146.45	17.833	2.15	23.83	1.44
5.850	1.91	11.850	146.45	17.850	2.15	23.85	1.44
5.867	1.91	11.867	146.45	17.867	2.15	23.87	1.44
5.883	1.91	11.883	146.45	17.883	2.15	23.88	1.44
5.900	1.91	11.900	146.45	17.900	2.15	23.90	1.44
5.917	1.91	11.917	146.45	17.917	2.15	23.92	1.44
5.933	1.91	11.933	146.45	17.933	2.15	23.93	1.44
5.950	1.91	11.950	146.45	17.950	2.15	23.95	1.44
5.967	1.91	11.967	146.45	17.967	2.15	23.97	1.44
5.983	1.91	11.983	146.45	17.983	2.15	23.98	1.44
6.000	1.91	12.000	146.45	18.000	2.15	24.00	1.44

Max.Eff.Inten.(mm/hr)=	146.45	132.98	
over (min)	5.00	10.00	
Storage Coeff. (min)=	3.96	9.15	(ii)
Unit Hyd. Tpeak (min)=	5.00	10.00	
Unit Hyd. peak (cms)=	0.26	0.12	
			TOTALS
PEAK FLOW (cms)=	0.18	0.08	0.250 (iii)
TIME TO PEAK (hrs)=	12.00	12.07	12.00
RUNOFF VOLUME (mm)=	117.64	55.00	84.45
TOTAL RAINFALL (mm)=	119.65	119.65	119.65
RUNOFF COEFFICIENT =	0.98	0.46	0.71

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3				
ID1= 1 (0204):	0.96	0.250	12.00	84.45
+ ID2= 2 (0205):	14.50	0.853	12.37	32.39
ID = 3 (0017):	15.46	0.905	12.33	43.66

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)

3 + 2 = 1	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 3 (0017):	15.46	0.905	12.33	43.66
+ ID2= 2 (0087):	15.86	1.203	12.30	39.51
=====				
ID = 1 (0017):	31.32	2.107	12.32	46.31

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB STANDHYD (0012) ID= 1 DT= 1.0 min	Area (ha)= 1.18 Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	4.60
Average Slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.017	1.32	6.017	2.15	12.017	17.32	18.02	2.15
0.033	1.32	6.033	2.15	12.033	17.23	18.03	2.15
0.050	1.32	6.050	2.15	12.050	17.23	18.05	2.15
0.067	1.32	6.067	2.15	12.067	17.23	18.07	2.15
0.083	1.32	6.083	2.15	12.083	17.23	18.08	2.15
0.100	1.32	6.100	2.15	12.100	17.23	18.10	2.15
0.117	1.32	6.117	2.15	12.117	17.23	18.12	2.15
0.133	1.32	6.133	2.15	12.133	17.23	18.13	2.15
0.150	1.32	6.150	2.15	12.150	17.23	18.15	2.15
0.167	1.32	6.167	2.15	12.167	17.23	18.17	2.15
0.183	1.32	6.183	2.15	12.183	17.23	18.18	2.15
0.200	1.32	6.200	2.15	12.200	17.23	18.20	2.15
0.217	1.32	6.217	2.15	12.217	17.23	18.22	2.15
0.233	1.32	6.233	2.15	12.233	17.23	18.23	2.15
0.250	1.32	6.250	2.15	12.250	17.23	18.25	2.15
0.267	1.32	6.267	2.15	12.267	17.23	18.27	2.15
0.283	1.32	6.283	2.15	12.283	17.23	18.28	2.15
0.300	1.32	6.300	2.15	12.300	17.23	18.30	2.15
0.317	1.32	6.317	2.15	12.317	17.23	18.32	2.15
0.333	1.32	6.333	2.15	12.333	17.23	18.33	2.15
0.350	1.32	6.350	2.15	12.350	17.23	18.35	2.15
0.367	1.32	6.367	2.15	12.367	17.23	18.37	2.15
0.383	1.32	6.383	2.15	12.383	17.23	18.38	2.15
0.400	1.32	6.400	2.15	12.400	17.23	18.40	2.15
0.417	1.32	6.417	2.15	12.417	17.23	18.42	2.15
0.433	1.32	6.433	2.15	12.433	17.23	18.43	2.15
0.450	1.32	6.450	2.15	12.450	17.23	18.45	2.15
0.467	1.32	6.467	2.15	12.467	17.23	18.47	2.15
0.483	1.32	6.483	2.15	12.483	17.23	18.48	2.15
0.500	1.32	6.500	2.15	12.500	17.23	18.50	2.15
0.517	1.32	6.517	2.15	12.517	8.86	18.52	2.15
0.533	1.32	6.533	2.15	12.533	8.85	18.53	2.15
0.550	1.32	6.550	2.15	12.550	8.85	18.55	2.15
0.567	1.32	6.567	2.15	12.567	8.85	18.57	2.15
0.583	1.32	6.583	2.15	12.583	8.85	18.58	2.15
0.600	1.32	6.600	2.15	12.600	8.85	18.60	2.15
0.617	1.32	6.617	2.15	12.617	8.85	18.62	2.15
0.633	1.32	6.633	2.15	12.633	8.85	18.63	2.15
0.650	1.32	6.650	2.15	12.650	8.85	18.65	2.15
0.667	1.32	6.667	2.15	12.667	8.85	18.67	2.15
0.683	1.32	6.683	2.15	12.683	8.85	18.68	2.15
0.700	1.32	6.700	2.15	12.700	8.85	18.70	2.15
0.717	1.32	6.717	2.15	12.717	8.85	18.72	2.15
0.733	1.32	6.733	2.15	12.733	8.85	18.73	2.15
0.750	1.32	6.750	2.15	12.750	8.85	18.75	2.15
0.767	1.32	6.767	2.15	12.767	8.85	18.77	2.15
0.783	1.32	6.783	2.15	12.783	8.85	18.78	2.15
0.800	1.32	6.800	2.15	12.800	8.85	18.80	2.15
0.817	1.32	6.817	2.15	12.817	8.85	18.82	2.15
0.833	1.32	6.833	2.15	12.833	8.85	18.83	2.15
0.850	1.32	6.850	2.15	12.850	8.85	18.85	2.15
0.867	1.32	6.867	2.15	12.867	8.85	18.87	2.15
0.883	1.32	6.883	2.15	12.883	8.85	18.88	2.15
0.900	1.32	6.900	2.15	12.900	8.85	18.90	2.15
0.917	1.32	6.917	2.15	12.917	8.85	18.92	2.15
0.933	1.32	6.933	2.15	12.933	8.85	18.93	2.15
0.950	1.32	6.950	2.15	12.950	8.85	18.95	2.15

0.967	1.32	6.967	2.15	12.967	8.85	18.97	2.15
0.983	1.32	6.983	2.15	12.983	8.85	18.98	2.15
1.000	1.32	7.000	2.15	13.000	8.85	19.00	2.15
1.017	1.32	7.017	2.63	13.017	6.46	19.02	2.15
1.033	1.32	7.033	2.63	13.033	6.46	19.03	2.15
1.050	1.32	7.050	2.63	13.050	6.46	19.05	2.15
1.067	1.32	7.067	2.63	13.067	6.46	19.07	2.15
1.083	1.32	7.083	2.63	13.083	6.46	19.08	2.15
1.100	1.32	7.100	2.63	13.100	6.46	19.10	2.15
1.117	1.32	7.117	2.63	13.117	6.46	19.12	2.15
1.133	1.32	7.133	2.63	13.133	6.46	19.13	2.15
1.150	1.32	7.150	2.63	13.150	6.46	19.15	2.15
1.167	1.32	7.167	2.63	13.167	6.46	19.17	2.15
1.183	1.32	7.183	2.63	13.183	6.46	19.18	2.15
1.200	1.32	7.200	2.63	13.200	6.46	19.20	2.15
1.217	1.32	7.217	2.63	13.217	6.46	19.22	2.15
1.233	1.32	7.233	2.63	13.233	6.46	19.23	2.15
1.250	1.32	7.250	2.63	13.250	6.46	19.25	2.15
1.267	1.32	7.267	2.63	13.267	6.46	19.27	2.15
1.283	1.32	7.283	2.63	13.283	6.46	19.28	2.15
1.300	1.32	7.300	2.63	13.300	6.46	19.30	2.15
1.317	1.32	7.317	2.63	13.317	6.46	19.32	2.15
1.333	1.32	7.333	2.63	13.333	6.46	19.33	2.15
1.350	1.32	7.350	2.63	13.350	6.46	19.35	2.15
1.367	1.32	7.367	2.63	13.367	6.46	19.37	2.15
1.383	1.32	7.383	2.63	13.383	6.46	19.38	2.15
1.400	1.32	7.400	2.63	13.400	6.46	19.40	2.15
1.417	1.32	7.417	2.63	13.417	6.46	19.42	2.15
1.433	1.32	7.433	2.63	13.433	6.46	19.43	2.15
1.450	1.32	7.450	2.63	13.450	6.46	19.45	2.15
1.467	1.32	7.467	2.63	13.467	6.46	19.47	2.15
1.483	1.32	7.483	2.63	13.483	6.46	19.48	2.15
1.500	1.32	7.500	2.63	13.500	6.46	19.50	2.15
1.517	1.32	7.517	2.63	13.517	5.03	19.52	2.15
1.533	1.32	7.533	2.63	13.533	5.03	19.53	2.15
1.550	1.32	7.550	2.63	13.550	5.03	19.55	2.15
1.567	1.32	7.567	2.63	13.567	5.03	19.57	2.15
1.583	1.32	7.583	2.63	13.583	5.03	19.58	2.15
1.600	1.32	7.600	2.63	13.600	5.03	19.60	2.15
1.617	1.32	7.617	2.63	13.617	5.03	19.62	2.15
1.633	1.32	7.633	2.63	13.633	5.03	19.63	2.15
1.650	1.32	7.650	2.63	13.650	5.03	19.65	2.15
1.667	1.32	7.667	2.63	13.667	5.03	19.67	2.15
1.683	1.32	7.683	2.63	13.683	5.03	19.68	2.15
1.700	1.32	7.700	2.63	13.700	5.03	19.70	2.15
1.717	1.32	7.717	2.63	13.717	5.03	19.72	2.15
1.733	1.32	7.733	2.63	13.733	5.03	19.73	2.15
1.750	1.32	7.750	2.63	13.750	5.03	19.75	2.15
1.767	1.32	7.767	2.63	13.767	5.03	19.77	2.15
1.783	1.32	7.783	2.63	13.783	5.03	19.78	2.15
1.800	1.32	7.800	2.63	13.800	5.03	19.80	2.15
1.817	1.32	7.817	2.63	13.817	5.03	19.82	2.15
1.833	1.32	7.833	2.63	13.833	5.03	19.83	2.15
1.850	1.32	7.850	2.63	13.850	5.03	19.85	2.15
1.867	1.32	7.867	2.63	13.867	5.03	19.87	2.15
1.883	1.32	7.883	2.63	13.883	5.03	19.88	2.15
1.900	1.32	7.900	2.63	13.900	5.03	19.90	2.15
1.917	1.32	7.917	2.63	13.917	5.03	19.92	2.15
1.933	1.32	7.933	2.63	13.933	5.03	19.93	2.15
1.950	1.32	7.950	2.63	13.950	5.03	19.95	2.15
1.967	1.32	7.967	2.63	13.967	5.03	19.97	2.15
1.983	1.32	7.983	2.63	13.983	5.03	19.98	2.15
2.000	1.32	8.000	2.63	14.000	5.03	20.00	2.15
2.017	1.56	8.017	3.11	14.017	3.59	20.02	1.44
2.033	1.56	8.033	3.11	14.033	3.59	20.03	1.44
2.050	1.56	8.050	3.11	14.050	3.59	20.05	1.44
2.067	1.56	8.067	3.11	14.067	3.59	20.07	1.44
2.083	1.56	8.083	3.11	14.083	3.59	20.08	1.44
2.100	1.56	8.100	3.11	14.100	3.59	20.10	1.44
2.117	1.56	8.117	3.11	14.117	3.59	20.12	1.44
2.133	1.56	8.133	3.11	14.133	3.59	20.13	1.44
2.150	1.56	8.150	3.11	14.150	3.59	20.15	1.44
2.167	1.56	8.167	3.11	14.167	3.59	20.17	1.44
2.183	1.56	8.183	3.11	14.183	3.59	20.18	1.44
2.200	1.56	8.200	3.11	14.200	3.59	20.20	1.44
2.217	1.56	8.217	3.11	14.217	3.59	20.22	1.44
2.233	1.56	8.233	3.11	14.233	3.59	20.23	1.44
2.250	1.56	8.250	3.11	14.250	3.59	20.25	1.44
2.267	1.56	8.267	3.11	14.267	3.59	20.27	1.44
2.283	1.56	8.283	3.11	14.283	3.59	20.28	1.44
2.300	1.56	8.300	3.11	14.300	3.59	20.30	1.44
2.317	1.56	8.317	3.11	14.317	3.59	20.32	1.44
2.333	1.56	8.333	3.11	14.333	3.59	20.33	1.44
2.350	1.56	8.350	3.11	14.350	3.59	20.35	1.44

2.367	1.56	8.367	3.11	14.367	3.59	20.37	1.44
2.383	1.56	8.383	3.11	14.383	3.59	20.38	1.44
2.400	1.56	8.400	3.11	14.400	3.59	20.40	1.44
2.417	1.56	8.417	3.11	14.417	3.59	20.42	1.44
2.433	1.56	8.433	3.11	14.433	3.59	20.43	1.44
2.450	1.56	8.450	3.11	14.450	3.59	20.45	1.44
2.467	1.56	8.467	3.11	14.467	3.59	20.47	1.44
2.483	1.56	8.483	3.11	14.483	3.59	20.48	1.44
2.500	1.56	8.500	3.11	14.500	3.59	20.50	1.44
2.517	1.56	8.517	3.35	14.517	3.59	20.52	1.44
2.533	1.56	8.533	3.35	14.533	3.59	20.53	1.44
2.550	1.56	8.550	3.35	14.550	3.59	20.55	1.44
2.567	1.56	8.567	3.35	14.567	3.59	20.57	1.44
2.583	1.56	8.583	3.35	14.583	3.59	20.58	1.44
2.600	1.56	8.600	3.35	14.600	3.59	20.60	1.44
2.617	1.56	8.617	3.35	14.617	3.59	20.62	1.44
2.633	1.56	8.633	3.35	14.633	3.59	20.63	1.44
2.650	1.56	8.650	3.35	14.650	3.59	20.65	1.44
2.667	1.56	8.667	3.35	14.667	3.59	20.67	1.44
2.683	1.56	8.683	3.35	14.683	3.59	20.68	1.44
2.700	1.56	8.700	3.35	14.700	3.59	20.70	1.44
2.717	1.56	8.717	3.35	14.717	3.59	20.72	1.44
2.733	1.56	8.733	3.35	14.733	3.59	20.73	1.44
2.750	1.56	8.750	3.35	14.750	3.59	20.75	1.44
2.767	1.56	8.767	3.35	14.767	3.59	20.77	1.44
2.783	1.56	8.783	3.35	14.783	3.59	20.78	1.44
2.800	1.56	8.800	3.35	14.800	3.59	20.80	1.44
2.817	1.56	8.817	3.35	14.817	3.59	20.82	1.44
2.833	1.56	8.833	3.35	14.833	3.59	20.83	1.44
2.850	1.56	8.850	3.35	14.850	3.59	20.85	1.44
2.867	1.56	8.867	3.35	14.867	3.59	20.87	1.44
2.883	1.56	8.883	3.35	14.883	3.59	20.88	1.44
2.900	1.56	8.900	3.35	14.900	3.59	20.90	1.44
2.917	1.56	8.917	3.35	14.917	3.59	20.92	1.44
2.933	1.56	8.933	3.35	14.933	3.59	20.93	1.44
2.950	1.56	8.950	3.35	14.950	3.59	20.95	1.44
2.967	1.56	8.967	3.35	14.967	3.59	20.97	1.44
2.983	1.56	8.983	3.35	14.983	3.59	20.98	1.44
3.000	1.56	9.000	3.35	15.000	3.59	21.00	1.44
3.017	1.56	9.017	3.83	15.017	3.59	21.02	1.44
3.033	1.56	9.033	3.83	15.033	3.59	21.03	1.44
3.050	1.56	9.050	3.83	15.050	3.59	21.05	1.44
3.067	1.56	9.067	3.83	15.067	3.59	21.07	1.44
3.083	1.56	9.083	3.83	15.083	3.59	21.08	1.44
3.100	1.56	9.100	3.83	15.100	3.59	21.10	1.44
3.117	1.56	9.117	3.83	15.117	3.59	21.12	1.44
3.133	1.56	9.133	3.83	15.133	3.59	21.13	1.44
3.150	1.56	9.150	3.83	15.150	3.59	21.15	1.44
3.167	1.56	9.167	3.83	15.167	3.59	21.17	1.44
3.183	1.56	9.183	3.83	15.183	3.59	21.18	1.44
3.200	1.56	9.200	3.83	15.200	3.59	21.20	1.44
3.217	1.56	9.217	3.83	15.217	3.59	21.22	1.44
3.233	1.56	9.233	3.83	15.233	3.59	21.23	1.44
3.250	1.56	9.250	3.83	15.250	3.59	21.25	1.44
3.267	1.56	9.267	3.83	15.267	3.59	21.27	1.44
3.283	1.56	9.283	3.83	15.283	3.59	21.28	1.44
3.300	1.56	9.300	3.83	15.300	3.59	21.30	1.44
3.317	1.56	9.317	3.83	15.317	3.59	21.32	1.44
3.333	1.56	9.333	3.83	15.333	3.59	21.33	1.44
3.350	1.56	9.350	3.83	15.350	3.59	21.35	1.44
3.367	1.56	9.367	3.83	15.367	3.59	21.37	1.44
3.383	1.56	9.383	3.83	15.383	3.59	21.38	1.44
3.400	1.56	9.400	3.83	15.400	3.59	21.40	1.44
3.417	1.56	9.417	3.83	15.417	3.59	21.42	1.44
3.433	1.56	9.433	3.83	15.433	3.59	21.43	1.44
3.450	1.56	9.450	3.83	15.450	3.59	21.45	1.44
3.467	1.56	9.467	3.83	15.467	3.59	21.47	1.44
3.483	1.56	9.483	3.83	15.483	3.59	21.48	1.44
3.500	1.56	9.500	3.83	15.500	3.59	21.50	1.44
3.517	1.56	9.517	4.31	15.517	3.59	21.52	1.44
3.533	1.56	9.533	4.31	15.533	3.59	21.53	1.44
3.550	1.56	9.550	4.31	15.550	3.59	21.55	1.44
3.567	1.56	9.567	4.31	15.567	3.59	21.57	1.44
3.583	1.56	9.583	4.31	15.583	3.59	21.58	1.44
3.600	1.56	9.600	4.31	15.600	3.59	21.60	1.44
3.617	1.56	9.617	4.31	15.617	3.59	21.62	1.44
3.633	1.56	9.633	4.31	15.633	3.59	21.63	1.44
3.650	1.56	9.650	4.31	15.650	3.59	21.65	1.44
3.667	1.56	9.667	4.31	15.667	3.59	21.67	1.44
3.683	1.56	9.683	4.31	15.683	3.59	21.68	1.44
3.700	1.56	9.700	4.31	15.700	3.59	21.70	1.44
3.717	1.56	9.717	4.31	15.717	3.59	21.72	1.44
3.733	1.56	9.733	4.31	15.733	3.59	21.73	1.44
3.750	1.56	9.750	4.31	15.750	3.59	21.75	1.44

3.767	1.56	9.767	4.31	15.767	3.59	21.77	1.44
3.783	1.56	9.783	4.31	15.783	3.59	21.78	1.44
3.800	1.56	9.800	4.31	15.800	3.59	21.80	1.44
3.817	1.56	9.817	4.31	15.817	3.59	21.82	1.44
3.833	1.56	9.833	4.31	15.833	3.59	21.83	1.44
3.850	1.56	9.850	4.31	15.850	3.59	21.85	1.44
3.867	1.56	9.867	4.31	15.867	3.59	21.87	1.44
3.883	1.56	9.883	4.31	15.883	3.59	21.88	1.44
3.900	1.56	9.900	4.31	15.900	3.59	21.90	1.44
3.917	1.56	9.917	4.31	15.917	3.59	21.92	1.44
3.933	1.56	9.933	4.31	15.933	3.59	21.93	1.44
3.950	1.56	9.950	4.31	15.950	3.59	21.95	1.44
3.967	1.56	9.967	4.31	15.967	3.59	21.97	1.44
3.983	1.56	9.983	4.31	15.983	3.59	21.98	1.44
4.000	1.56	10.000	4.31	16.000	3.59	22.00	1.44
4.017	1.91	10.017	5.50	16.017	2.15	22.02	1.44
4.033	1.91	10.033	5.50	16.033	2.15	22.03	1.44
4.050	1.91	10.050	5.50	16.050	2.15	22.05	1.44
4.067	1.91	10.067	5.50	16.067	2.15	22.07	1.44
4.083	1.91	10.083	5.50	16.083	2.15	22.08	1.44
4.100	1.91	10.100	5.50	16.100	2.15	22.10	1.44
4.117	1.91	10.117	5.50	16.117	2.15	22.12	1.44
4.133	1.91	10.133	5.50	16.133	2.15	22.13	1.44
4.150	1.91	10.150	5.50	16.150	2.15	22.15	1.44
4.167	1.91	10.167	5.50	16.167	2.15	22.17	1.44
4.183	1.91	10.183	5.50	16.183	2.15	22.18	1.44
4.200	1.91	10.200	5.50	16.200	2.15	22.20	1.44
4.217	1.91	10.217	5.50	16.217	2.15	22.22	1.44
4.233	1.91	10.233	5.50	16.233	2.15	22.23	1.44
4.250	1.91	10.250	5.50	16.250	2.15	22.25	1.44
4.267	1.91	10.267	5.50	16.267	2.15	22.27	1.44
4.283	1.91	10.283	5.50	16.283	2.15	22.28	1.44
4.300	1.91	10.300	5.50	16.300	2.15	22.30	1.44
4.317	1.91	10.317	5.50	16.317	2.15	22.32	1.44
4.333	1.91	10.333	5.50	16.333	2.15	22.33	1.44
4.350	1.91	10.350	5.50	16.350	2.15	22.35	1.44
4.367	1.91	10.367	5.50	16.367	2.15	22.37	1.44
4.383	1.91	10.383	5.50	16.383	2.15	22.38	1.44
4.400	1.91	10.400	5.50	16.400	2.15	22.40	1.44
4.417	1.91	10.417	5.50	16.417	2.15	22.42	1.44
4.433	1.91	10.433	5.50	16.433	2.15	22.43	1.44
4.450	1.91	10.450	5.50	16.450	2.15	22.45	1.44
4.467	1.91	10.467	5.50	16.467	2.15	22.47	1.44
4.483	1.91	10.483	5.50	16.483	2.15	22.48	1.44
4.500	1.91	10.500	5.51	16.500	2.15	22.50	1.44
4.517	1.91	10.517	7.42	16.517	2.15	22.52	1.44
4.533	1.91	10.533	7.42	16.533	2.15	22.53	1.44
4.550	1.91	10.550	7.42	16.550	2.15	22.55	1.44
4.567	1.91	10.567	7.42	16.567	2.15	22.57	1.44
4.583	1.91	10.583	7.42	16.583	2.15	22.58	1.44
4.600	1.91	10.600	7.42	16.600	2.15	22.60	1.44
4.617	1.91	10.617	7.42	16.617	2.15	22.62	1.44
4.633	1.91	10.633	7.42	16.633	2.15	22.63	1.44
4.650	1.91	10.650	7.42	16.650	2.15	22.65	1.44
4.667	1.91	10.667	7.42	16.667	2.15	22.67	1.44
4.683	1.91	10.683	7.42	16.683	2.15	22.68	1.44
4.700	1.91	10.700	7.42	16.700	2.15	22.70	1.44
4.717	1.91	10.717	7.42	16.717	2.15	22.72	1.44
4.733	1.91	10.733	7.42	16.733	2.15	22.73	1.44
4.750	1.91	10.750	7.42	16.750	2.15	22.75	1.44
4.767	1.91	10.767	7.42	16.767	2.15	22.77	1.44
4.783	1.91	10.783	7.42	16.783	2.15	22.78	1.44
4.800	1.91	10.800	7.42	16.800	2.15	22.80	1.44
4.817	1.91	10.817	7.42	16.817	2.15	22.82	1.44
4.833	1.91	10.833	7.42	16.833	2.15	22.83	1.44
4.850	1.91	10.850	7.42	16.850	2.15	22.85	1.44
4.867	1.91	10.867	7.42	16.867	2.15	22.87	1.44
4.883	1.91	10.883	7.42	16.883	2.15	22.88	1.44
4.900	1.91	10.900	7.42	16.900	2.15	22.90	1.44
4.917	1.91	10.917	7.42	16.917	2.15	22.92	1.44
4.933	1.91	10.933	7.42	16.933	2.15	22.93	1.44
4.950	1.91	10.950	7.42	16.950	2.15	22.95	1.44
4.967	1.91	10.967	7.42	16.967	2.15	22.97	1.44
4.983	1.91	10.983	7.42	16.983	2.15	22.98	1.44
5.000	1.91	11.000	7.42	17.000	2.15	23.00	1.44
5.017	1.91	11.017	11.49	17.017	2.15	23.02	1.44
5.033	1.91	11.033	11.49	17.033	2.15	23.03	1.44
5.050	1.91	11.050	11.49	17.050	2.15	23.05	1.44
5.067	1.91	11.067	11.49	17.067	2.15	23.07	1.44
5.083	1.91	11.083	11.49	17.083	2.15	23.08	1.44
5.100	1.91	11.100	11.49	17.100	2.15	23.10	1.44
5.117	1.91	11.117	11.49	17.117	2.15	23.12	1.44
5.133	1.91	11.133	11.49	17.133	2.15	23.13	1.44
5.150	1.91	11.150	11.49	17.150	2.15	23.15	1.44

5.167	1.91	11.167	11.49	17.167	2.15	23.17	1.44
5.183	1.91	11.183	11.49	17.183	2.15	23.18	1.44
5.200	1.91	11.200	11.49	17.200	2.15	23.20	1.44
5.217	1.91	11.217	11.49	17.217	2.15	23.22	1.44
5.233	1.91	11.233	11.49	17.233	2.15	23.23	1.44
5.250	1.91	11.250	11.49	17.250	2.15	23.25	1.44
5.267	1.91	11.267	11.49	17.267	2.15	23.27	1.44
5.283	1.91	11.283	11.49	17.283	2.15	23.28	1.44
5.300	1.91	11.300	11.49	17.300	2.15	23.30	1.44
5.317	1.91	11.317	11.49	17.317	2.15	23.32	1.44
5.333	1.91	11.333	11.49	17.333	2.15	23.33	1.44
5.350	1.91	11.350	11.49	17.350	2.15	23.35	1.44
5.367	1.91	11.367	11.49	17.367	2.15	23.37	1.44
5.383	1.91	11.383	11.49	17.383	2.15	23.38	1.44
5.400	1.91	11.400	11.49	17.400	2.15	23.40	1.44
5.417	1.91	11.417	11.49	17.417	2.15	23.42	1.44
5.433	1.91	11.433	11.49	17.433	2.15	23.43	1.44
5.450	1.91	11.450	11.49	17.450	2.15	23.45	1.44
5.467	1.91	11.467	11.49	17.467	2.15	23.47	1.44
5.483	1.91	11.483	11.49	17.483	2.15	23.48	1.44
5.500	1.91	11.500	11.49	17.500	2.15	23.50	1.44
5.517	1.91	11.517	35.41	17.517	2.15	23.52	1.44
5.533	1.91	11.533	35.42	17.533	2.15	23.53	1.44
5.550	1.91	11.550	35.42	17.550	2.15	23.55	1.44
5.567	1.91	11.567	35.42	17.567	2.15	23.57	1.44
5.583	1.91	11.583	35.42	17.583	2.15	23.58	1.44
5.600	1.91	11.600	35.42	17.600	2.15	23.60	1.44
5.617	1.91	11.617	35.42	17.617	2.15	23.62	1.44
5.633	1.91	11.633	35.42	17.633	2.15	23.63	1.44
5.650	1.91	11.650	35.42	17.650	2.15	23.65	1.44
5.667	1.91	11.667	35.42	17.667	2.15	23.67	1.44
5.683	1.91	11.683	35.42	17.683	2.15	23.68	1.44
5.700	1.91	11.700	35.42	17.700	2.15	23.70	1.44
5.717	1.91	11.717	35.42	17.717	2.15	23.72	1.44
5.733	1.91	11.733	35.42	17.733	2.15	23.73	1.44
5.750	1.91	11.750	35.42	17.750	2.15	23.75	1.44
5.767	1.91	11.767	146.40	17.767	2.15	23.77	1.44
5.783	1.91	11.783	146.45	17.783	2.15	23.78	1.44
5.800	1.91	11.800	146.45	17.800	2.15	23.80	1.44
5.817	1.91	11.817	146.45	17.817	2.15	23.82	1.44
5.833	1.91	11.833	146.45	17.833	2.15	23.83	1.44
5.850	1.91	11.850	146.45	17.850	2.15	23.85	1.44
5.867	1.91	11.867	146.45	17.867	2.15	23.87	1.44
5.883	1.91	11.883	146.45	17.883	2.15	23.88	1.44
5.900	1.91	11.900	146.45	17.900	2.15	23.90	1.44
5.917	1.91	11.917	146.45	17.917	2.15	23.92	1.44
5.933	1.91	11.933	146.45	17.933	2.15	23.93	1.44
5.950	1.91	11.950	146.45	17.950	2.15	23.95	1.44
5.967	1.91	11.967	146.45	17.967	2.15	23.97	1.44
5.983	1.91	11.983	146.45	17.983	2.15	23.98	1.44
6.000	1.91	12.000	146.45	18.000	2.15	24.00	1.44

Max.Eff.Inten.(mm/hr)= 146.45 58.13
over (min) 5.00 11.00
Storage Coeff. (min)= 2.04 (ii) 10.81 (ii)
Unit Hyd. Tpeak (min)= 5.00 11.00
Unit Hyd. peak (cms)= 0.37 0.10

TOTALS

PEAK FLOW (cms)= 0.11 0.10 0.188 (iii)
TIME TO PEAK (hrs)= 12.00 12.08 12.02
RUNOFF VOLUME (mm)= 117.65 39.93 57.03
TOTAL RAINFALL (mm)= 119.65 119.65 119.65
RUNOFF COEFFICIENT = 0.98 0.33 0.48

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0203)
ID= 1 DT= 1.0 min
Area (ha)= 17.16
Total Imp(%)= 42.00 Dir. Conn.(%)= 30.00

IMPERVIOUS PERVIOUS (i)
Surface Area (ha)= 7.21 9.95
Dep. Storage (mm)= 2.00 5.00
Average Slope (%)= 1.00 2.00
Length (m)= 267.45 40.00
Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	1.32	6.017	2.15	12.017	17.32	18.02	2.15
0.033	1.32	6.033	2.15	12.033	17.23	18.03	2.15
0.050	1.32	6.050	2.15	12.050	17.23	18.05	2.15
0.067	1.32	6.067	2.15	12.067	17.23	18.07	2.15
0.083	1.32	6.083	2.15	12.083	17.23	18.08	2.15
0.100	1.32	6.100	2.15	12.100	17.23	18.10	2.15
0.117	1.32	6.117	2.15	12.117	17.23	18.12	2.15
0.133	1.32	6.133	2.15	12.133	17.23	18.13	2.15
0.150	1.32	6.150	2.15	12.150	17.23	18.15	2.15
0.167	1.32	6.167	2.15	12.167	17.23	18.17	2.15
0.183	1.32	6.183	2.15	12.183	17.23	18.18	2.15
0.200	1.32	6.200	2.15	12.200	17.23	18.20	2.15
0.217	1.32	6.217	2.15	12.217	17.23	18.22	2.15
0.233	1.32	6.233	2.15	12.233	17.23	18.23	2.15
0.250	1.32	6.250	2.15	12.250	17.23	18.25	2.15
0.267	1.32	6.267	2.15	12.267	17.23	18.27	2.15
0.283	1.32	6.283	2.15	12.283	17.23	18.28	2.15
0.300	1.32	6.300	2.15	12.300	17.23	18.30	2.15
0.317	1.32	6.317	2.15	12.317	17.23	18.32	2.15
0.333	1.32	6.333	2.15	12.333	17.23	18.33	2.15
0.350	1.32	6.350	2.15	12.350	17.23	18.35	2.15
0.367	1.32	6.367	2.15	12.367	17.23	18.37	2.15
0.383	1.32	6.383	2.15	12.383	17.23	18.38	2.15
0.400	1.32	6.400	2.15	12.400	17.23	18.40	2.15
0.417	1.32	6.417	2.15	12.417	17.23	18.42	2.15
0.433	1.32	6.433	2.15	12.433	17.23	18.43	2.15
0.450	1.32	6.450	2.15	12.450	17.23	18.45	2.15
0.467	1.32	6.467	2.15	12.467	17.23	18.47	2.15
0.483	1.32	6.483	2.15	12.483	17.23	18.48	2.15
0.500	1.32	6.500	2.15	12.500	17.23	18.50	2.15
0.517	1.32	6.517	2.15	12.517	8.86	18.52	2.15
0.533	1.32	6.533	2.15	12.533	8.85	18.53	2.15
0.550	1.32	6.550	2.15	12.550	8.85	18.55	2.15
0.567	1.32	6.567	2.15	12.567	8.85	18.57	2.15
0.583	1.32	6.583	2.15	12.583	8.85	18.58	2.15
0.600	1.32	6.600	2.15	12.600	8.85	18.60	2.15
0.617	1.32	6.617	2.15	12.617	8.85	18.62	2.15
0.633	1.32	6.633	2.15	12.633	8.85	18.63	2.15
0.650	1.32	6.650	2.15	12.650	8.85	18.65	2.15
0.667	1.32	6.667	2.15	12.667	8.85	18.67	2.15
0.683	1.32	6.683	2.15	12.683	8.85	18.68	2.15
0.700	1.32	6.700	2.15	12.700	8.85	18.70	2.15
0.717	1.32	6.717	2.15	12.717	8.85	18.72	2.15
0.733	1.32	6.733	2.15	12.733	8.85	18.73	2.15
0.750	1.32	6.750	2.15	12.750	8.85	18.75	2.15
0.767	1.32	6.767	2.15	12.767	8.85	18.77	2.15
0.783	1.32	6.783	2.15	12.783	8.85	18.78	2.15
0.800	1.32	6.800	2.15	12.800	8.85	18.80	2.15
0.817	1.32	6.817	2.15	12.817	8.85	18.82	2.15
0.833	1.32	6.833	2.15	12.833	8.85	18.83	2.15
0.850	1.32	6.850	2.15	12.850	8.85	18.85	2.15
0.867	1.32	6.867	2.15	12.867	8.85	18.87	2.15
0.883	1.32	6.883	2.15	12.883	8.85	18.88	2.15
0.900	1.32	6.900	2.15	12.900	8.85	18.90	2.15
0.917	1.32	6.917	2.15	12.917	8.85	18.92	2.15
0.933	1.32	6.933	2.15	12.933	8.85	18.93	2.15
0.950	1.32	6.950	2.15	12.950	8.85	18.95	2.15
0.967	1.32	6.967	2.15	12.967	8.85	18.97	2.15
0.983	1.32	6.983	2.15	12.983	8.85	18.98	2.15
1.000	1.32	7.000	2.15	13.000	8.85	19.00	2.15
1.017	1.32	7.017	2.63	13.017	6.46	19.02	2.15
1.033	1.32	7.033	2.63	13.033	6.46	19.03	2.15
1.050	1.32	7.050	2.63	13.050	6.46	19.05	2.15
1.067	1.32	7.067	2.63	13.067	6.46	19.07	2.15
1.083	1.32	7.083	2.63	13.083	6.46	19.08	2.15
1.100	1.32	7.100	2.63	13.100	6.46	19.10	2.15
1.117	1.32	7.117	2.63	13.117	6.46	19.12	2.15
1.133	1.32	7.133	2.63	13.133	6.46	19.13	2.15
1.150	1.32	7.150	2.63	13.150	6.46	19.15	2.15
1.167	1.32	7.167	2.63	13.167	6.46	19.17	2.15
1.183	1.32	7.183	2.63	13.183	6.46	19.18	2.15
1.200	1.32	7.200	2.63	13.200	6.46	19.20	2.15
1.217	1.32	7.217	2.63	13.217	6.46	19.22	2.15
1.233	1.32	7.233	2.63	13.233	6.46	19.23	2.15
1.250	1.32	7.250	2.63	13.250	6.46	19.25	2.15
1.267	1.32	7.267	2.63	13.267	6.46	19.27	2.15
1.283	1.32	7.283	2.63	13.283	6.46	19.28	2.15
1.300	1.32	7.300	2.63	13.300	6.46	19.30	2.15

1.317	1.32	7.317	2.63	13.317	6.46	19.32	2.15
1.333	1.32	7.333	2.63	13.333	6.46	19.33	2.15
1.350	1.32	7.350	2.63	13.350	6.46	19.35	2.15
1.367	1.32	7.367	2.63	13.367	6.46	19.37	2.15
1.383	1.32	7.383	2.63	13.383	6.46	19.38	2.15
1.400	1.32	7.400	2.63	13.400	6.46	19.40	2.15
1.417	1.32	7.417	2.63	13.417	6.46	19.42	2.15
1.433	1.32	7.433	2.63	13.433	6.46	19.43	2.15
1.450	1.32	7.450	2.63	13.450	6.46	19.45	2.15
1.467	1.32	7.467	2.63	13.467	6.46	19.47	2.15
1.483	1.32	7.483	2.63	13.483	6.46	19.48	2.15
1.500	1.32	7.500	2.63	13.500	6.46	19.50	2.15
1.517	1.32	7.517	2.63	13.517	5.03	19.52	2.15
1.533	1.32	7.533	2.63	13.533	5.03	19.53	2.15
1.550	1.32	7.550	2.63	13.550	5.03	19.55	2.15
1.567	1.32	7.567	2.63	13.567	5.03	19.57	2.15
1.583	1.32	7.583	2.63	13.583	5.03	19.58	2.15
1.600	1.32	7.600	2.63	13.600	5.03	19.60	2.15
1.617	1.32	7.617	2.63	13.617	5.03	19.62	2.15
1.633	1.32	7.633	2.63	13.633	5.03	19.63	2.15
1.650	1.32	7.650	2.63	13.650	5.03	19.65	2.15
1.667	1.32	7.667	2.63	13.667	5.03	19.67	2.15
1.683	1.32	7.683	2.63	13.683	5.03	19.68	2.15
1.700	1.32	7.700	2.63	13.700	5.03	19.70	2.15
1.717	1.32	7.717	2.63	13.717	5.03	19.72	2.15
1.733	1.32	7.733	2.63	13.733	5.03	19.73	2.15
1.750	1.32	7.750	2.63	13.750	5.03	19.75	2.15
1.767	1.32	7.767	2.63	13.767	5.03	19.77	2.15
1.783	1.32	7.783	2.63	13.783	5.03	19.78	2.15
1.800	1.32	7.800	2.63	13.800	5.03	19.80	2.15
1.817	1.32	7.817	2.63	13.817	5.03	19.82	2.15
1.833	1.32	7.833	2.63	13.833	5.03	19.83	2.15
1.850	1.32	7.850	2.63	13.850	5.03	19.85	2.15
1.867	1.32	7.867	2.63	13.867	5.03	19.87	2.15
1.883	1.32	7.883	2.63	13.883	5.03	19.88	2.15
1.900	1.32	7.900	2.63	13.900	5.03	19.90	2.15
1.917	1.32	7.917	2.63	13.917	5.03	19.92	2.15
1.933	1.32	7.933	2.63	13.933	5.03	19.93	2.15
1.950	1.32	7.950	2.63	13.950	5.03	19.95	2.15
1.967	1.32	7.967	2.63	13.967	5.03	19.97	2.15
1.983	1.32	7.983	2.63	13.983	5.03	19.98	2.15
2.000	1.32	8.000	2.63	14.000	5.03	20.00	2.15
2.017	1.56	8.017	3.11	14.017	3.59	20.02	1.44
2.033	1.56	8.033	3.11	14.033	3.59	20.03	1.44
2.050	1.56	8.050	3.11	14.050	3.59	20.05	1.44
2.067	1.56	8.067	3.11	14.067	3.59	20.07	1.44
2.083	1.56	8.083	3.11	14.083	3.59	20.08	1.44
2.100	1.56	8.100	3.11	14.100	3.59	20.10	1.44
2.117	1.56	8.117	3.11	14.117	3.59	20.12	1.44
2.133	1.56	8.133	3.11	14.133	3.59	20.13	1.44
2.150	1.56	8.150	3.11	14.150	3.59	20.15	1.44
2.167	1.56	8.167	3.11	14.167	3.59	20.17	1.44
2.183	1.56	8.183	3.11	14.183	3.59	20.18	1.44
2.200	1.56	8.200	3.11	14.200	3.59	20.20	1.44
2.217	1.56	8.217	3.11	14.217	3.59	20.22	1.44
2.233	1.56	8.233	3.11	14.233	3.59	20.23	1.44
2.250	1.56	8.250	3.11	14.250	3.59	20.25	1.44
2.267	1.56	8.267	3.11	14.267	3.59	20.27	1.44
2.283	1.56	8.283	3.11	14.283	3.59	20.28	1.44
2.300	1.56	8.300	3.11	14.300	3.59	20.30	1.44
2.317	1.56	8.317	3.11	14.317	3.59	20.32	1.44
2.333	1.56	8.333	3.11	14.333	3.59	20.33	1.44
2.350	1.56	8.350	3.11	14.350	3.59	20.35	1.44
2.367	1.56	8.367	3.11	14.367	3.59	20.37	1.44
2.383	1.56	8.383	3.11	14.383	3.59	20.38	1.44
2.400	1.56	8.400	3.11	14.400	3.59	20.40	1.44
2.417	1.56	8.417	3.11	14.417	3.59	20.42	1.44
2.433	1.56	8.433	3.11	14.433	3.59	20.43	1.44
2.450	1.56	8.450	3.11	14.450	3.59	20.45	1.44
2.467	1.56	8.467	3.11	14.467	3.59	20.47	1.44
2.483	1.56	8.483	3.11	14.483	3.59	20.48	1.44
2.500	1.56	8.500	3.11	14.500	3.59	20.50	1.44
2.517	1.56	8.517	3.35	14.517	3.59	20.52	1.44
2.533	1.56	8.533	3.35	14.533	3.59	20.53	1.44
2.550	1.56	8.550	3.35	14.550	3.59	20.55	1.44
2.567	1.56	8.567	3.35	14.567	3.59	20.57	1.44
2.583	1.56	8.583	3.35	14.583	3.59	20.58	1.44
2.600	1.56	8.600	3.35	14.600	3.59	20.60	1.44
2.617	1.56	8.617	3.35	14.617	3.59	20.62	1.44
2.633	1.56	8.633	3.35	14.633	3.59	20.63	1.44
2.650	1.56	8.650	3.35	14.650	3.59	20.65	1.44
2.667	1.56	8.667	3.35	14.667	3.59	20.67	1.44
2.683	1.56	8.683	3.35	14.683	3.59	20.68	1.44
2.700	1.56	8.700	3.35	14.700	3.59	20.70	1.44

2.717	1.56	8.717	3.35	14.717	3.59	20.72	1.44
2.733	1.56	8.733	3.35	14.733	3.59	20.73	1.44
2.750	1.56	8.750	3.35	14.750	3.59	20.75	1.44
2.767	1.56	8.767	3.35	14.767	3.59	20.77	1.44
2.783	1.56	8.783	3.35	14.783	3.59	20.78	1.44
2.800	1.56	8.800	3.35	14.800	3.59	20.80	1.44
2.817	1.56	8.817	3.35	14.817	3.59	20.82	1.44
2.833	1.56	8.833	3.35	14.833	3.59	20.83	1.44
2.850	1.56	8.850	3.35	14.850	3.59	20.85	1.44
2.867	1.56	8.867	3.35	14.867	3.59	20.87	1.44
2.883	1.56	8.883	3.35	14.883	3.59	20.88	1.44
2.900	1.56	8.900	3.35	14.900	3.59	20.90	1.44
2.917	1.56	8.917	3.35	14.917	3.59	20.92	1.44
2.933	1.56	8.933	3.35	14.933	3.59	20.93	1.44
2.950	1.56	8.950	3.35	14.950	3.59	20.95	1.44
2.967	1.56	8.967	3.35	14.967	3.59	20.97	1.44
2.983	1.56	8.983	3.35	14.983	3.59	20.98	1.44
3.000	1.56	9.000	3.35	15.000	3.59	21.00	1.44
3.017	1.56	9.017	3.83	15.017	3.59	21.02	1.44
3.033	1.56	9.033	3.83	15.033	3.59	21.03	1.44
3.050	1.56	9.050	3.83	15.050	3.59	21.05	1.44
3.067	1.56	9.067	3.83	15.067	3.59	21.07	1.44
3.083	1.56	9.083	3.83	15.083	3.59	21.08	1.44
3.100	1.56	9.100	3.83	15.100	3.59	21.10	1.44
3.117	1.56	9.117	3.83	15.117	3.59	21.12	1.44
3.133	1.56	9.133	3.83	15.133	3.59	21.13	1.44
3.150	1.56	9.150	3.83	15.150	3.59	21.15	1.44
3.167	1.56	9.167	3.83	15.167	3.59	21.17	1.44
3.183	1.56	9.183	3.83	15.183	3.59	21.18	1.44
3.200	1.56	9.200	3.83	15.200	3.59	21.20	1.44
3.217	1.56	9.217	3.83	15.217	3.59	21.22	1.44
3.233	1.56	9.233	3.83	15.233	3.59	21.23	1.44
3.250	1.56	9.250	3.83	15.250	3.59	21.25	1.44
3.267	1.56	9.267	3.83	15.267	3.59	21.27	1.44
3.283	1.56	9.283	3.83	15.283	3.59	21.28	1.44
3.300	1.56	9.300	3.83	15.300	3.59	21.30	1.44
3.317	1.56	9.317	3.83	15.317	3.59	21.32	1.44
3.333	1.56	9.333	3.83	15.333	3.59	21.33	1.44
3.350	1.56	9.350	3.83	15.350	3.59	21.35	1.44
3.367	1.56	9.367	3.83	15.367	3.59	21.37	1.44
3.383	1.56	9.383	3.83	15.383	3.59	21.38	1.44
3.400	1.56	9.400	3.83	15.400	3.59	21.40	1.44
3.417	1.56	9.417	3.83	15.417	3.59	21.42	1.44
3.433	1.56	9.433	3.83	15.433	3.59	21.43	1.44
3.450	1.56	9.450	3.83	15.450	3.59	21.45	1.44
3.467	1.56	9.467	3.83	15.467	3.59	21.47	1.44
3.483	1.56	9.483	3.83	15.483	3.59	21.48	1.44
3.500	1.56	9.500	3.83	15.500	3.59	21.50	1.44
3.517	1.56	9.517	4.31	15.517	3.59	21.52	1.44
3.533	1.56	9.533	4.31	15.533	3.59	21.53	1.44
3.550	1.56	9.550	4.31	15.550	3.59	21.55	1.44
3.567	1.56	9.567	4.31	15.567	3.59	21.57	1.44
3.583	1.56	9.583	4.31	15.583	3.59	21.58	1.44
3.600	1.56	9.600	4.31	15.600	3.59	21.60	1.44
3.617	1.56	9.617	4.31	15.617	3.59	21.62	1.44
3.633	1.56	9.633	4.31	15.633	3.59	21.63	1.44
3.650	1.56	9.650	4.31	15.650	3.59	21.65	1.44
3.667	1.56	9.667	4.31	15.667	3.59	21.67	1.44
3.683	1.56	9.683	4.31	15.683	3.59	21.68	1.44
3.700	1.56	9.700	4.31	15.700	3.59	21.70	1.44
3.717	1.56	9.717	4.31	15.717	3.59	21.72	1.44
3.733	1.56	9.733	4.31	15.733	3.59	21.73	1.44
3.750	1.56	9.750	4.31	15.750	3.59	21.75	1.44
3.767	1.56	9.767	4.31	15.767	3.59	21.77	1.44
3.783	1.56	9.783	4.31	15.783	3.59	21.78	1.44
3.800	1.56	9.800	4.31	15.800	3.59	21.80	1.44
3.817	1.56	9.817	4.31	15.817	3.59	21.82	1.44
3.833	1.56	9.833	4.31	15.833	3.59	21.83	1.44
3.850	1.56	9.850	4.31	15.850	3.59	21.85	1.44
3.867	1.56	9.867	4.31	15.867	3.59	21.87	1.44
3.883	1.56	9.883	4.31	15.883	3.59	21.88	1.44
3.900	1.56	9.900	4.31	15.900	3.59	21.90	1.44
3.917	1.56	9.917	4.31	15.917	3.59	21.92	1.44
3.933	1.56	9.933	4.31	15.933	3.59	21.93	1.44
3.950	1.56	9.950	4.31	15.950	3.59	21.95	1.44
3.967	1.56	9.967	4.31	15.967	3.59	21.97	1.44
3.983	1.56	9.983	4.31	15.983	3.59	21.98	1.44
4.000	1.56	10.000	4.31	16.000	3.59	22.00	1.44
4.017	1.91	10.017	5.50	16.017	2.16	22.02	1.44
4.033	1.91	10.033	5.50	16.033	2.15	22.03	1.44
4.050	1.91	10.050	5.50	16.050	2.15	22.05	1.44
4.067	1.91	10.067	5.50	16.067	2.15	22.07	1.44
4.083	1.91	10.083	5.50	16.083	2.15	22.08	1.44
4.100	1.91	10.100	5.50	16.100	2.15	22.10	1.44

4.117	1.91	10.117	5.50	16.117	2.15	22.12	1.44
4.133	1.91	10.133	5.50	16.133	2.15	22.13	1.44
4.150	1.91	10.150	5.50	16.150	2.15	22.15	1.44
4.167	1.91	10.167	5.50	16.167	2.15	22.17	1.44
4.183	1.91	10.183	5.50	16.183	2.15	22.18	1.44
4.200	1.91	10.200	5.50	16.200	2.15	22.20	1.44
4.217	1.91	10.217	5.50	16.217	2.15	22.22	1.44
4.233	1.91	10.233	5.50	16.233	2.15	22.23	1.44
4.250	1.91	10.250	5.50	16.250	2.15	22.25	1.44
4.267	1.91	10.267	5.50	16.267	2.15	22.27	1.44
4.283	1.91	10.283	5.50	16.283	2.15	22.28	1.44
4.300	1.91	10.300	5.50	16.300	2.15	22.30	1.44
4.317	1.91	10.317	5.50	16.317	2.15	22.32	1.44
4.333	1.91	10.333	5.50	16.333	2.15	22.33	1.44
4.350	1.91	10.350	5.50	16.350	2.15	22.35	1.44
4.367	1.91	10.367	5.50	16.367	2.15	22.37	1.44
4.383	1.91	10.383	5.50	16.383	2.15	22.38	1.44
4.400	1.91	10.400	5.50	16.400	2.15	22.40	1.44
4.417	1.91	10.417	5.50	16.417	2.15	22.42	1.44
4.433	1.91	10.433	5.50	16.433	2.15	22.43	1.44
4.450	1.91	10.450	5.50	16.450	2.15	22.45	1.44
4.467	1.91	10.467	5.50	16.467	2.15	22.47	1.44
4.483	1.91	10.483	5.50	16.483	2.15	22.48	1.44
4.500	1.91	10.500	5.51	16.500	2.15	22.50	1.44
4.517	1.91	10.517	7.42	16.517	2.15	22.52	1.44
4.533	1.91	10.533	7.42	16.533	2.15	22.53	1.44
4.550	1.91	10.550	7.42	16.550	2.15	22.55	1.44
4.567	1.91	10.567	7.42	16.567	2.15	22.57	1.44
4.583	1.91	10.583	7.42	16.583	2.15	22.58	1.44
4.600	1.91	10.600	7.42	16.600	2.15	22.60	1.44
4.617	1.91	10.617	7.42	16.617	2.15	22.62	1.44
4.633	1.91	10.633	7.42	16.633	2.15	22.63	1.44
4.650	1.91	10.650	7.42	16.650	2.15	22.65	1.44
4.667	1.91	10.667	7.42	16.667	2.15	22.67	1.44
4.683	1.91	10.683	7.42	16.683	2.15	22.68	1.44
4.700	1.91	10.700	7.42	16.700	2.15	22.70	1.44
4.717	1.91	10.717	7.42	16.717	2.15	22.72	1.44
4.733	1.91	10.733	7.42	16.733	2.15	22.73	1.44
4.750	1.91	10.750	7.42	16.750	2.15	22.75	1.44
4.767	1.91	10.767	7.42	16.767	2.15	22.77	1.44
4.783	1.91	10.783	7.42	16.783	2.15	22.78	1.44
4.800	1.91	10.800	7.42	16.800	2.15	22.80	1.44
4.817	1.91	10.817	7.42	16.817	2.15	22.82	1.44
4.833	1.91	10.833	7.42	16.833	2.15	22.83	1.44
4.850	1.91	10.850	7.42	16.850	2.15	22.85	1.44
4.867	1.91	10.867	7.42	16.867	2.15	22.87	1.44
4.883	1.91	10.883	7.42	16.883	2.15	22.88	1.44
4.900	1.91	10.900	7.42	16.900	2.15	22.90	1.44
4.917	1.91	10.917	7.42	16.917	2.15	22.92	1.44
4.933	1.91	10.933	7.42	16.933	2.15	22.93	1.44
4.950	1.91	10.950	7.42	16.950	2.15	22.95	1.44
4.967	1.91	10.967	7.42	16.967	2.15	22.97	1.44
4.983	1.91	10.983	7.42	16.983	2.15	22.98	1.44
5.000	1.91	11.000	7.42	17.000	2.15	23.00	1.44
5.017	1.91	11.017	11.49	17.017	2.15	23.02	1.44
5.033	1.91	11.033	11.49	17.033	2.15	23.03	1.44
5.050	1.91	11.050	11.49	17.050	2.15	23.05	1.44
5.067	1.91	11.067	11.49	17.067	2.15	23.07	1.44
5.083	1.91	11.083	11.49	17.083	2.15	23.08	1.44
5.100	1.91	11.100	11.49	17.100	2.15	23.10	1.44
5.117	1.91	11.117	11.49	17.117	2.15	23.12	1.44
5.133	1.91	11.133	11.49	17.133	2.15	23.13	1.44
5.150	1.91	11.150	11.49	17.150	2.15	23.15	1.44
5.167	1.91	11.167	11.49	17.167	2.15	23.17	1.44
5.183	1.91	11.183	11.49	17.183	2.15	23.18	1.44
5.200	1.91	11.200	11.49	17.200	2.15	23.20	1.44
5.217	1.91	11.217	11.49	17.217	2.15	23.22	1.44
5.233	1.91	11.233	11.49	17.233	2.15	23.23	1.44
5.250	1.91	11.250	11.49	17.250	2.15	23.25	1.44
5.267	1.91	11.267	11.49	17.267	2.15	23.27	1.44
5.283	1.91	11.283	11.49	17.283	2.15	23.28	1.44
5.300	1.91	11.300	11.49	17.300	2.15	23.30	1.44
5.317	1.91	11.317	11.49	17.317	2.15	23.32	1.44
5.333	1.91	11.333	11.49	17.333	2.15	23.33	1.44
5.350	1.91	11.350	11.49	17.350	2.15	23.35	1.44
5.367	1.91	11.367	11.49	17.367	2.15	23.37	1.44
5.383	1.91	11.383	11.49	17.383	2.15	23.38	1.44
5.400	1.91	11.400	11.49	17.400	2.15	23.40	1.44
5.417	1.91	11.417	11.49	17.417	2.15	23.42	1.44
5.433	1.91	11.433	11.49	17.433	2.15	23.43	1.44
5.450	1.91	11.450	11.49	17.450	2.15	23.45	1.44
5.467	1.91	11.467	11.49	17.467	2.15	23.47	1.44
5.483	1.91	11.483	11.49	17.483	2.15	23.48	1.44
5.500	1.91	11.500	11.49	17.500	2.15	23.50	1.44

5.517	1.91	11.517	35.41	17.517	2.15	23.52	1.44
5.533	1.91	11.533	35.42	17.533	2.15	23.53	1.44
5.550	1.91	11.550	35.42	17.550	2.15	23.55	1.44
5.567	1.91	11.567	35.42	17.567	2.15	23.57	1.44
5.583	1.91	11.583	35.42	17.583	2.15	23.58	1.44
5.600	1.91	11.600	35.42	17.600	2.15	23.60	1.44
5.617	1.91	11.617	35.42	17.617	2.15	23.62	1.44
5.633	1.91	11.633	35.42	17.633	2.15	23.63	1.44
5.650	1.91	11.650	35.42	17.650	2.15	23.65	1.44
5.667	1.91	11.667	35.42	17.667	2.15	23.67	1.44
5.683	1.91	11.683	35.42	17.683	2.15	23.68	1.44
5.700	1.91	11.700	35.42	17.700	2.15	23.70	1.44
5.717	1.91	11.717	35.42	17.717	2.15	23.72	1.44
5.733	1.91	11.733	35.42	17.733	2.15	23.73	1.44
5.750	1.91	11.750	35.42	17.750	2.15	23.75	1.44
5.767	1.91	11.767	146.40	17.767	2.15	23.77	1.44
5.783	1.91	11.783	146.45	17.783	2.15	23.78	1.44
5.800	1.91	11.800	146.45	17.800	2.15	23.80	1.44
5.817	1.91	11.817	146.45	17.817	2.15	23.82	1.44
5.833	1.91	11.833	146.45	17.833	2.15	23.83	1.44
5.850	1.91	11.850	146.45	17.850	2.15	23.85	1.44
5.867	1.91	11.867	146.45	17.867	2.15	23.87	1.44
5.883	1.91	11.883	146.45	17.883	2.15	23.88	1.44
5.900	1.91	11.900	146.45	17.900	2.15	23.90	1.44
5.917	1.91	11.917	146.45	17.917	2.15	23.92	1.44
5.933	1.91	11.933	146.45	17.933	2.15	23.93	1.44
5.950	1.91	11.950	146.45	17.950	2.15	23.95	1.44
5.967	1.91	11.967	146.45	17.967	2.15	23.97	1.44
5.983	1.91	11.983	146.45	17.983	2.15	23.98	1.44
6.000	1.91	12.000	146.45	18.000	2.15	24.00	1.44

Max.Eff.Inten.(mm/hr)= 146.45 79.71
over (min) 5.00 12.00
Storage Coeff. (min)= 3.96 (ii) 11.84 (ii)
Unit Hyd. Tpeak (min)= 5.00 12.00
Unit Hyd. peak (cms)= 0.26 0.10

TOTALS

PEAK FLOW (cms)= 2.03 1.37 3.181 (iii)
TIME TO PEAK (hrs)= 12.00 12.10 12.02
RUNOFF VOLUME (mm)= 117.64 45.25 66.98
TOTAL RAINFALL (mm)= 119.65 119.65 119.65
RUNOFF COEFFICIENT = 0.98 0.38 0.56

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)	AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0012):	1.18	0.188	12.02	57.03
+ ID2= 2 (0203):	17.16	3.181	12.02	66.98
=====				
ID = 3 (0082):	18.34	3.370	12.02	66.34

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 5.0 min				
	OUTFLOW	STORAGE	OUTFLOW	STORAGE
	(cms)	(ha.m.)	(cms)	(ha.m.)
	0.0000	0.0000	0.0940	0.3600
	0.0120	0.2100	0.1210	0.4000
	0.0550	0.2600	0.1500	0.4500
	0.0620	0.3000	0.3000	0.7210
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
INFLOW : ID= 2 (0082)	18.340	3.370	12.02	66.34
OUTFLOW: ID= 1 (0002)	18.340	0.300	13.10	54.94

PEAK FLOW REDUCTION [Qout/Qin](%)= 8.90
TIME SHIFT OF PEAK FLOW (min)= 65.00
MAXIMUM STORAGE USED (ha.m.)= 0.7209

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)				
1 + 2 = 3				
ID1= 1 (0017):	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
+ ID2= 2 (0002):	31.32	2.107	12.32	46.31
	18.34	0.300	13.10	54.94
=====				
ID = 3 (0089):	49.66	2.365	12.33	49.50

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

 ** SIMULATION:5.0 Chicago 4hr 25mm **

CALIB				
NASHYD (0087)				
ID= 1 DT= 1.0 min	Area (ha)=	15.86	Curve Number (CN)=	62.0
	Ia (mm)=	4.60	# of Linear Res.(N)=	3.00
	U.H. Tp(hrs)=	0.40		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	2.07	1.017	5.70	2.017	5.19	3.02	2.80
0.033	2.07	1.033	5.70	2.033	5.19	3.03	2.80
0.050	2.07	1.050	5.70	2.050	5.19	3.05	2.80
0.067	2.07	1.067	5.70	2.067	5.19	3.07	2.80
0.083	2.07	1.083	5.70	2.083	5.19	3.08	2.80
0.100	2.07	1.100	5.70	2.100	5.19	3.10	2.80
0.117	2.07	1.117	5.70	2.117	5.19	3.12	2.80
0.133	2.07	1.133	5.70	2.133	5.19	3.13	2.80
0.150	2.07	1.150	5.70	2.150	5.19	3.15	2.80
0.167	2.07	1.167	5.70	2.167	5.19	3.17	2.80
0.183	2.27	1.183	10.78	2.183	4.47	3.18	2.62
0.200	2.27	1.200	10.78	2.200	4.47	3.20	2.62
0.217	2.27	1.217	10.78	2.217	4.47	3.22	2.62
0.233	2.27	1.233	10.78	2.233	4.47	3.23	2.62
0.250	2.27	1.250	10.78	2.250	4.47	3.25	2.62
0.267	2.27	1.267	10.78	2.267	4.47	3.27	2.62
0.283	2.27	1.283	10.78	2.283	4.47	3.28	2.62
0.300	2.27	1.300	10.78	2.300	4.47	3.30	2.62
0.317	2.27	1.317	10.78	2.317	4.47	3.32	2.62
0.333	2.27	1.333	10.78	2.333	4.47	3.33	2.62
0.350	2.52	1.350	50.21	2.350	3.95	3.35	2.48
0.367	2.52	1.367	50.21	2.367	3.95	3.37	2.48
0.383	2.52	1.383	50.21	2.383	3.95	3.38	2.48
0.400	2.52	1.400	50.21	2.400	3.95	3.40	2.48
0.417	2.52	1.417	50.21	2.417	3.95	3.42	2.48
0.433	2.52	1.433	50.21	2.433	3.95	3.43	2.48
0.450	2.52	1.450	50.21	2.450	3.95	3.45	2.48
0.467	2.52	1.467	50.21	2.467	3.95	3.47	2.48
0.483	2.52	1.483	50.21	2.483	3.95	3.48	2.48
0.500	2.52	1.500	50.21	2.500	3.95	3.50	2.48
0.517	2.88	1.517	13.37	2.517	3.56	3.52	2.35
0.533	2.88	1.533	13.37	2.533	3.56	3.53	2.35
0.550	2.88	1.550	13.37	2.550	3.56	3.55	2.35
0.567	2.88	1.567	13.37	2.567	3.56	3.57	2.35
0.583	2.88	1.583	13.37	2.583	3.56	3.58	2.35
0.600	2.88	1.600	13.37	2.600	3.56	3.60	2.35
0.617	2.88	1.617	13.37	2.617	3.56	3.62	2.35
0.633	2.88	1.633	13.37	2.633	3.56	3.63	2.35
0.650	2.88	1.650	13.37	2.650	3.56	3.65	2.35
0.667	2.88	1.667	13.37	2.667	3.56	3.67	2.35
0.683	3.38	1.683	8.29	2.683	3.25	3.68	2.23
0.700	3.38	1.700	8.29	2.700	3.25	3.70	2.23
0.717	3.38	1.717	8.29	2.717	3.25	3.72	2.23
0.733	3.38	1.733	8.29	2.733	3.25	3.73	2.23
0.750	3.38	1.750	8.29	2.750	3.25	3.75	2.23
0.767	3.38	1.767	8.29	2.767	3.25	3.77	2.23
0.783	3.38	1.783	8.29	2.783	3.25	3.78	2.23
0.800	3.38	1.800	8.29	2.800	3.25	3.80	2.23
0.817	3.38	1.817	8.29	2.817	3.25	3.82	2.23
0.833	3.38	1.833	8.29	2.833	3.25	3.83	2.23
0.850	4.18	1.850	6.30	2.850	3.01	3.85	2.14
0.867	4.18	1.867	6.30	2.867	3.01	3.87	2.14
0.883	4.18	1.883	6.30	2.883	3.01	3.88	2.14
0.900	4.18	1.900	6.30	2.900	3.01	3.90	2.14
0.917	4.18	1.917	6.30	2.917	3.01	3.92	2.14
0.933	4.18	1.933	6.30	2.933	3.01	3.93	2.14
0.950	4.18	1.950	6.30	2.950	3.01	3.95	2.14

0.967	4.18	1.967	6.30	2.967	3.01	3.97	2.14
0.983	4.18	1.983	6.30	2.983	3.01	3.98	2.14
1.000	4.18	2.000	6.30	3.000	3.01	4.00	2.14

Unit Hyd Qpeak (cms)= 1.515

PEAK FLOW (cms)= 0.056 (i)
 TIME TO PEAK (hrs)= 2.067
 RUNOFF VOLUME (mm)= 2.363
 TOTAL RAINFALL (mm)= 24.997
 RUNOFF COEFFICIENT = 0.095

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB			
NASHYD (0205)	Area (ha)= 14.50	Curve Number (CN)= 58.0	
ID= 1 DT= 1.0 min	Ia (mm)= 10.00	# of Linear Res.(N)= 3.00	
	U.H. Tp(hrs)= 0.44		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	2.07	1.017	5.70	2.017	5.19	3.02	2.80
0.033	2.07	1.033	5.70	2.033	5.19	3.03	2.80
0.050	2.07	1.050	5.70	2.050	5.19	3.05	2.80
0.067	2.07	1.067	5.70	2.067	5.19	3.07	2.80
0.083	2.07	1.083	5.70	2.083	5.19	3.08	2.80
0.100	2.07	1.100	5.70	2.100	5.19	3.10	2.80
0.117	2.07	1.117	5.70	2.117	5.19	3.12	2.80
0.133	2.07	1.133	5.70	2.133	5.19	3.13	2.80
0.150	2.07	1.150	5.70	2.150	5.19	3.15	2.80
0.167	2.07	1.167	5.70	2.167	5.19	3.17	2.80
0.183	2.27	1.183	10.78	2.183	4.47	3.18	2.62
0.200	2.27	1.200	10.78	2.200	4.47	3.20	2.62
0.217	2.27	1.217	10.78	2.217	4.47	3.22	2.62
0.233	2.27	1.233	10.78	2.233	4.47	3.23	2.62
0.250	2.27	1.250	10.78	2.250	4.47	3.25	2.62
0.267	2.27	1.267	10.78	2.267	4.47	3.27	2.62
0.283	2.27	1.283	10.78	2.283	4.47	3.28	2.62
0.300	2.27	1.300	10.78	2.300	4.47	3.30	2.62
0.317	2.27	1.317	10.78	2.317	4.47	3.32	2.62
0.333	2.27	1.333	10.78	2.333	4.47	3.33	2.62
0.350	2.52	1.350	50.21	2.350	3.95	3.35	2.48
0.367	2.52	1.367	50.21	2.367	3.95	3.37	2.48
0.383	2.52	1.383	50.21	2.383	3.95	3.38	2.48
0.400	2.52	1.400	50.21	2.400	3.95	3.40	2.48
0.417	2.52	1.417	50.21	2.417	3.95	3.42	2.48
0.433	2.52	1.433	50.21	2.433	3.95	3.43	2.48
0.450	2.52	1.450	50.21	2.450	3.95	3.45	2.48
0.467	2.52	1.467	50.21	2.467	3.95	3.47	2.48
0.483	2.52	1.483	50.21	2.483	3.95	3.48	2.48
0.500	2.52	1.500	50.21	2.500	3.95	3.50	2.48
0.517	2.88	1.517	13.37	2.517	3.56	3.52	2.35
0.533	2.88	1.533	13.37	2.533	3.56	3.53	2.35
0.550	2.88	1.550	13.37	2.550	3.56	3.55	2.35
0.567	2.88	1.567	13.37	2.567	3.56	3.57	2.35
0.583	2.88	1.583	13.37	2.583	3.56	3.58	2.35
0.600	2.88	1.600	13.37	2.600	3.56	3.60	2.35
0.617	2.88	1.617	13.37	2.617	3.56	3.62	2.35
0.633	2.88	1.633	13.37	2.633	3.56	3.63	2.35
0.650	2.88	1.650	13.37	2.650	3.56	3.65	2.35
0.667	2.88	1.667	13.37	2.667	3.56	3.67	2.35
0.683	3.38	1.683	8.29	2.683	3.25	3.68	2.23
0.700	3.38	1.700	8.29	2.700	3.25	3.70	2.23
0.717	3.38	1.717	8.29	2.717	3.25	3.72	2.23
0.733	3.38	1.733	8.29	2.733	3.25	3.73	2.23
0.750	3.38	1.750	8.29	2.750	3.25	3.75	2.23
0.767	3.38	1.767	8.29	2.767	3.25	3.77	2.23
0.783	3.38	1.783	8.29	2.783	3.25	3.78	2.23
0.800	3.38	1.800	8.29	2.800	3.25	3.80	2.23
0.817	3.38	1.817	8.29	2.817	3.25	3.82	2.23
0.833	3.38	1.833	8.29	2.833	3.25	3.83	2.23
0.850	4.18	1.850	6.30	2.850	3.01	3.85	2.14
0.867	4.18	1.867	6.30	2.867	3.01	3.87	2.14
0.883	4.18	1.883	6.30	2.883	3.01	3.88	2.14
0.900	4.18	1.900	6.30	2.900	3.01	3.90	2.14
0.917	4.18	1.917	6.30	2.917	3.01	3.92	2.14
0.933	4.18	1.933	6.30	2.933	3.01	3.93	2.14
0.950	4.18	1.950	6.30	2.950	3.01	3.95	2.14

0.967	4.18	1.967	6.30	2.967	3.01	3.97	2.14
0.983	4.18	1.983	6.30	2.983	3.01	3.98	2.14
1.000	4.18	2.000	6.30	3.000	3.01	4.00	2.14

Unit Hyd Qpeak (cms)= 1.259

PEAK FLOW (cms)= 0.019 (i)
 TIME TO PEAK (hrs)= 2.467
 RUNOFF VOLUME (mm)= 1.131
 TOTAL RAINFALL (mm)= 24.997
 RUNOFF COEFFICIENT = 0.045

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB	
STANDHYD (0204)	
ID= 1 DT= 1.0 min	

Area (ha)= 0.96
 Total Imp(%)= 68.00 Dir. Conn.(%)= 47.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	0.65	0.31
Dep. Storage	(mm)=	2.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	267.45	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	2.07	1.017	5.70	2.017	5.19	3.02	2.80
0.033	2.07	1.033	5.70	2.033	5.19	3.03	2.80
0.050	2.07	1.050	5.70	2.050	5.19	3.05	2.80
0.067	2.07	1.067	5.70	2.067	5.19	3.07	2.80
0.083	2.07	1.083	5.70	2.083	5.19	3.08	2.80
0.100	2.07	1.100	5.70	2.100	5.19	3.10	2.80
0.117	2.07	1.117	5.70	2.117	5.19	3.12	2.80
0.133	2.07	1.133	5.70	2.133	5.19	3.13	2.80
0.150	2.07	1.150	5.70	2.150	5.19	3.15	2.80
0.167	2.07	1.167	5.70	2.167	5.19	3.17	2.80
0.183	2.27	1.183	10.78	2.183	4.47	3.18	2.62
0.200	2.27	1.200	10.78	2.200	4.47	3.20	2.62
0.217	2.27	1.217	10.78	2.217	4.47	3.22	2.62
0.233	2.27	1.233	10.78	2.233	4.47	3.23	2.62
0.250	2.27	1.250	10.78	2.250	4.47	3.25	2.62
0.267	2.27	1.267	10.78	2.267	4.47	3.27	2.62
0.283	2.27	1.283	10.78	2.283	4.47	3.28	2.62
0.300	2.27	1.300	10.78	2.300	4.47	3.30	2.62
0.317	2.27	1.317	10.78	2.317	4.47	3.32	2.62
0.333	2.27	1.333	10.78	2.333	4.47	3.33	2.62
0.350	2.52	1.350	50.21	2.350	3.95	3.35	2.48
0.367	2.52	1.367	50.21	2.367	3.95	3.37	2.48
0.383	2.52	1.383	50.21	2.383	3.95	3.38	2.48
0.400	2.52	1.400	50.21	2.400	3.95	3.40	2.48
0.417	2.52	1.417	50.21	2.417	3.95	3.42	2.48
0.433	2.52	1.433	50.21	2.433	3.95	3.43	2.48
0.450	2.52	1.450	50.21	2.450	3.95	3.45	2.48
0.467	2.52	1.467	50.21	2.467	3.95	3.47	2.48
0.483	2.52	1.483	50.21	2.483	3.95	3.48	2.48
0.500	2.52	1.500	50.21	2.500	3.95	3.50	2.48
0.517	2.88	1.517	13.37	2.517	3.56	3.52	2.35
0.533	2.88	1.533	13.37	2.533	3.56	3.53	2.35
0.550	2.88	1.550	13.37	2.550	3.56	3.55	2.35
0.567	2.88	1.567	13.37	2.567	3.56	3.57	2.35
0.583	2.88	1.583	13.37	2.583	3.56	3.58	2.35
0.600	2.88	1.600	13.37	2.600	3.56	3.60	2.35
0.617	2.88	1.617	13.37	2.617	3.56	3.62	2.35
0.633	2.88	1.633	13.37	2.633	3.56	3.63	2.35
0.650	2.88	1.650	13.37	2.650	3.56	3.65	2.35
0.667	2.88	1.667	13.37	2.667	3.56	3.67	2.35
0.683	3.38	1.683	8.29	2.683	3.25	3.68	2.23
0.700	3.38	1.700	8.29	2.700	3.25	3.70	2.23
0.717	3.38	1.717	8.29	2.717	3.25	3.72	2.23
0.733	3.38	1.733	8.29	2.733	3.25	3.73	2.23
0.750	3.38	1.750	8.29	2.750	3.25	3.75	2.23
0.767	3.38	1.767	8.29	2.767	3.25	3.77	2.23
0.783	3.38	1.783	8.29	2.783	3.25	3.78	2.23
0.800	3.38	1.800	8.29	2.800	3.25	3.80	2.23
0.817	3.38	1.817	8.29	2.817	3.25	3.82	2.23
0.833	3.38	1.833	8.29	2.833	3.25	3.83	2.23
0.850	4.18	1.850	6.30	2.850	3.01	3.85	2.14

0.867	4.18	1.867	6.30	2.867	3.01	3.87	2.14
0.883	4.18	1.883	6.30	2.883	3.01	3.88	2.14
0.900	4.18	1.900	6.30	2.900	3.01	3.90	2.14
0.917	4.18	1.917	6.30	2.917	3.01	3.92	2.14
0.933	4.18	1.933	6.30	2.933	3.01	3.93	2.14
0.950	4.18	1.950	6.30	2.950	3.01	3.95	2.14
0.967	4.18	1.967	6.30	2.967	3.01	3.97	2.14
0.983	4.18	1.983	6.30	2.983	3.01	3.98	2.14
1.000	4.18	2.000	6.30	3.000	3.01	4.00	2.14

Max.Eff.Inten.(mm/hr)= 50.21 7.95
over (min) 6.00 15.00
Storage Coeff. (min)= 6.07 (ii) 14.04 (ii)
Unit Hyd. Tpeak (min)= 6.00 15.00
Unit Hyd. peak (cms)= 0.19 0.08

TOTALS

PEAK FLOW (cms)= 0.05 0.00 0.050 (iii)
TIME TO PEAK (hrs)= 1.53 1.72 1.53
RUNOFF VOLUME (mm)= 23.00 3.17 12.48
TOTAL RAINFALL (mm)= 25.00 25.00 25.00
RUNOFF COEFFICIENT = 0.92 0.13 0.50

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0017)				
1 + 2 = 3				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0204):	0.96	0.050	1.53	12.48
+ ID2= 2 (0205):	14.50	0.019	2.47	1.13
=====				
ID = 3 (0017):	15.46	0.051	1.53	1.84

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0017)				
3 + 2 = 1				
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 3 (0017):	15.46	0.051	1.53	1.84
+ ID2= 2 (0087):	15.86	0.056	2.07	2.36
=====				
ID = 1 (0017):	31.32	0.083	2.07	2.10

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB			
STANDHYD (0012)			
ID= 1 DT= 1.0 min	Area (ha)= 1.18		
	Total Imp(%)= 22.00	Dir. Conn.(%)= 22.00	

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	0.26	0.92
Dep. Storage (mm)=	2.00	4.60
Average Slope (%)=	1.00	2.00
Length (m)=	88.84	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	2.07	1.017	5.70	2.017	5.19	3.02	2.80
0.033	2.07	1.033	5.70	2.033	5.19	3.03	2.80
0.050	2.07	1.050	5.70	2.050	5.19	3.05	2.80
0.067	2.07	1.067	5.70	2.067	5.19	3.07	2.80
0.083	2.07	1.083	5.70	2.083	5.19	3.08	2.80
0.100	2.07	1.100	5.70	2.100	5.19	3.10	2.80
0.117	2.07	1.117	5.70	2.117	5.19	3.12	2.80
0.133	2.07	1.133	5.70	2.133	5.19	3.13	2.80
0.150	2.07	1.150	5.70	2.150	5.19	3.15	2.80
0.167	2.07	1.167	5.70	2.167	5.19	3.17	2.80
0.183	2.27	1.183	10.78	2.183	4.47	3.18	2.62
0.200	2.27	1.200	10.78	2.200	4.47	3.20	2.62

0.217	2.27	1.217	10.78	2.217	4.47	3.22	2.62
0.233	2.27	1.233	10.78	2.233	4.47	3.23	2.62
0.250	2.27	1.250	10.78	2.250	4.47	3.25	2.62
0.267	2.27	1.267	10.78	2.267	4.47	3.27	2.62
0.283	2.27	1.283	10.78	2.283	4.47	3.28	2.62
0.300	2.27	1.300	10.78	2.300	4.47	3.30	2.62
0.317	2.27	1.317	10.78	2.317	4.47	3.32	2.62
0.333	2.27	1.333	10.78	2.333	4.47	3.33	2.62
0.350	2.52	1.350	50.21	2.350	3.95	3.35	2.48
0.367	2.52	1.367	50.21	2.367	3.95	3.37	2.48
0.383	2.52	1.383	50.21	2.383	3.95	3.38	2.48
0.400	2.52	1.400	50.21	2.400	3.95	3.40	2.48
0.417	2.52	1.417	50.21	2.417	3.95	3.42	2.48
0.433	2.52	1.433	50.21	2.433	3.95	3.43	2.48
0.450	2.52	1.450	50.21	2.450	3.95	3.45	2.48
0.467	2.52	1.467	50.21	2.467	3.95	3.47	2.48
0.483	2.52	1.483	50.21	2.483	3.95	3.48	2.48
0.500	2.52	1.500	50.21	2.500	3.95	3.50	2.48
0.517	2.88	1.517	13.37	2.517	3.56	3.52	2.35
0.533	2.88	1.533	13.37	2.533	3.56	3.53	2.35
0.550	2.88	1.550	13.37	2.550	3.56	3.55	2.35
0.567	2.88	1.567	13.37	2.567	3.56	3.57	2.35
0.583	2.88	1.583	13.37	2.583	3.56	3.58	2.35
0.600	2.88	1.600	13.37	2.600	3.56	3.60	2.35
0.617	2.88	1.617	13.37	2.617	3.56	3.62	2.35
0.633	2.88	1.633	13.37	2.633	3.56	3.63	2.35
0.650	2.88	1.650	13.37	2.650	3.56	3.65	2.35
0.667	2.88	1.667	13.37	2.667	3.56	3.67	2.35
0.683	3.38	1.683	8.29	2.683	3.25	3.68	2.23
0.700	3.38	1.700	8.29	2.700	3.25	3.70	2.23
0.717	3.38	1.717	8.29	2.717	3.25	3.72	2.23
0.733	3.38	1.733	8.29	2.733	3.25	3.73	2.23
0.750	3.38	1.750	8.29	2.750	3.25	3.75	2.23
0.767	3.38	1.767	8.29	2.767	3.25	3.77	2.23
0.783	3.38	1.783	8.29	2.783	3.25	3.78	2.23
0.800	3.38	1.800	8.29	2.800	3.25	3.80	2.23
0.817	3.38	1.817	8.29	2.817	3.25	3.82	2.23
0.833	3.38	1.833	8.29	2.833	3.25	3.83	2.23
0.850	4.18	1.850	6.30	2.850	3.01	3.85	2.14
0.867	4.18	1.867	6.30	2.867	3.01	3.87	2.14
0.883	4.18	1.883	6.30	2.883	3.01	3.88	2.14
0.900	4.18	1.900	6.30	2.900	3.01	3.90	2.14
0.917	4.18	1.917	6.30	2.917	3.01	3.92	2.14
0.933	4.18	1.933	6.30	2.933	3.01	3.93	2.14
0.950	4.18	1.950	6.30	2.950	3.01	3.95	2.14
0.967	4.18	1.967	6.30	2.967	3.01	3.97	2.14
0.983	4.18	1.983	6.30	2.983	3.01	3.98	2.14
1.000	4.18	2.000	6.30	3.000	3.01	4.00	2.14

Max.Eff.Inten.(mm/hr)= 50.21 1.26
over (min) 5.00 44.00
Storage Coeff. (min)= 3.13 (ii) 43.70 (ii)
Unit Hyd. Tpeak (min)= 5.00 44.00
Unit Hyd. peak (cms)= 0.30 0.03

TOTALS
0.034 (iii)

PEAK FLOW (cms)= 0.03 0.00
TIME TO PEAK (hrs)= 1.50 2.45 1.50
RUNOFF VOLUME (mm)= 23.00 1.76 6.41
TOTAL RAINFALL (mm)= 25.00 25.00 25.00
RUNOFF COEFFICIENT = 0.92 0.07 0.26

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 54.0 Ia = Dep. Storage (Above)
(ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB	Area (ha)= 17.16	
STANDHYD (0203)	Total Imp(%)= 42.00	Dir. Conn.(%)= 30.00
ID= 1 DT= 1.0 min		

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	7.21	9.95
Dep. Storage (mm)=	2.00	5.00
Average slope (%)=	1.00	2.00
Length (m)=	267.45	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED HYETOGRAPH -----							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	2.07	1.017	5.70	2.017	5.19	3.02	2.80
0.033	2.07	1.033	5.70	2.033	5.19	3.03	2.80
0.050	2.07	1.050	5.70	2.050	5.19	3.05	2.80
0.067	2.07	1.067	5.70	2.067	5.19	3.07	2.80
0.083	2.07	1.083	5.70	2.083	5.19	3.08	2.80
0.100	2.07	1.100	5.70	2.100	5.19	3.10	2.80
0.117	2.07	1.117	5.70	2.117	5.19	3.12	2.80
0.133	2.07	1.133	5.70	2.133	5.19	3.13	2.80
0.150	2.07	1.150	5.70	2.150	5.19	3.15	2.80
0.167	2.07	1.167	5.70	2.167	5.19	3.17	2.80
0.183	2.27	1.183	10.78	2.183	4.47	3.18	2.62
0.200	2.27	1.200	10.78	2.200	4.47	3.20	2.62
0.217	2.27	1.217	10.78	2.217	4.47	3.22	2.62
0.233	2.27	1.233	10.78	2.233	4.47	3.23	2.62
0.250	2.27	1.250	10.78	2.250	4.47	3.25	2.62
0.267	2.27	1.267	10.78	2.267	4.47	3.27	2.62
0.283	2.27	1.283	10.78	2.283	4.47	3.28	2.62
0.300	2.27	1.300	10.78	2.300	4.47	3.30	2.62
0.317	2.27	1.317	10.78	2.317	4.47	3.32	2.62
0.333	2.27	1.333	10.78	2.333	4.47	3.33	2.62
0.350	2.52	1.350	50.21	2.350	3.95	3.35	2.48
0.367	2.52	1.367	50.21	2.367	3.95	3.37	2.48
0.383	2.52	1.383	50.21	2.383	3.95	3.38	2.48
0.400	2.52	1.400	50.21	2.400	3.95	3.40	2.48
0.417	2.52	1.417	50.21	2.417	3.95	3.42	2.48
0.433	2.52	1.433	50.21	2.433	3.95	3.43	2.48
0.450	2.52	1.450	50.21	2.450	3.95	3.45	2.48
0.467	2.52	1.467	50.21	2.467	3.95	3.47	2.48
0.483	2.52	1.483	50.21	2.483	3.95	3.48	2.48
0.500	2.52	1.500	50.21	2.500	3.95	3.50	2.48
0.517	2.88	1.517	13.37	2.517	3.56	3.52	2.35
0.533	2.88	1.533	13.37	2.533	3.56	3.53	2.35
0.550	2.88	1.550	13.37	2.550	3.56	3.55	2.35
0.567	2.88	1.567	13.37	2.567	3.56	3.57	2.35
0.583	2.88	1.583	13.37	2.583	3.56	3.58	2.35
0.600	2.88	1.600	13.37	2.600	3.56	3.60	2.35
0.617	2.88	1.617	13.37	2.617	3.56	3.62	2.35
0.633	2.88	1.633	13.37	2.633	3.56	3.63	2.35
0.650	2.88	1.650	13.37	2.650	3.56	3.65	2.35
0.667	2.88	1.667	13.37	2.667	3.56	3.67	2.35
0.683	3.38	1.683	8.29	2.683	3.25	3.68	2.23
0.700	3.38	1.700	8.29	2.700	3.25	3.70	2.23
0.717	3.38	1.717	8.29	2.717	3.25	3.72	2.23
0.733	3.38	1.733	8.29	2.733	3.25	3.73	2.23
0.750	3.38	1.750	8.29	2.750	3.25	3.75	2.23
0.767	3.38	1.767	8.29	2.767	3.25	3.77	2.23
0.783	3.38	1.783	8.29	2.783	3.25	3.78	2.23
0.800	3.38	1.800	8.29	2.800	3.25	3.80	2.23
0.817	3.38	1.817	8.29	2.817	3.25	3.82	2.23
0.833	3.38	1.833	8.29	2.833	3.25	3.83	2.23
0.850	4.18	1.850	6.30	2.850	3.01	3.85	2.14
0.867	4.18	1.867	6.30	2.867	3.01	3.87	2.14
0.883	4.18	1.883	6.30	2.883	3.01	3.88	2.14
0.900	4.18	1.900	6.30	2.900	3.01	3.90	2.14
0.917	4.18	1.917	6.30	2.917	3.01	3.92	2.14
0.933	4.18	1.933	6.30	2.933	3.01	3.93	2.14
0.950	4.18	1.950	6.30	2.950	3.01	3.95	2.14
0.967	4.18	1.967	6.30	2.967	3.01	3.97	2.14
0.983	4.18	1.983	6.30	2.983	3.01	3.98	2.14
1.000	4.18	2.000	6.30	3.000	3.01	4.00	2.14

Max.Eff.Inten.(mm/hr)= 50.21 2.13
 over (min) 6.00 39.00
 Storage Coeff. (min)= 6.07 (ii) 38.97 (ii)
 Unit Hyd. Tpeak (min)= 6.00 39.00
 Unit Hyd. peak (cms)= 0.19 0.03

PEAK FLOW (cms)= 0.56 0.03 0.560 (iii)
 TIME TO PEAK (hrs)= 1.53 2.30 1.53
 RUNOFF VOLUME (mm)= 23.00 2.17 8.42
 TOTAL RAINFALL (mm)= 25.00 25.00 25.00
 RUNOFF COEFFICIENT = 0.92 0.09 0.34

- (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
 CN* = 54.0 Ia = Dep. Storage (Above)
- (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
- (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0082)				
1 + 2 = 3				

	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0012):	1.18	0.034	1.50	6.41
+ ID2= 2 (0203):	17.16	0.560	1.53	8.42
=====				
ID = 3 (0082):	18.34	0.592	1.53	8.29

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0002)				
IN= 2---> OUT= 1				
DT= 5.0 min				

OVERFLOW IS OFF				
	OUTFLOW	STORAGE		OUTFLOW
	(cms)	(ha.m.)		(cms)
	0.0000	0.0000		0.0940
	0.0120	0.2100		0.1210
	0.0550	0.2600		0.1500
	0.0620	0.3000		0.3000
				0.7210
	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
INFLOW : ID= 2 (0082)	18.340	0.592	1.53	8.29
OUTFLOW: ID= 1 (0002)	18.340	0.008	4.88	3.92

PEAK FLOW REDUCTION [Qout/Qin](%)= 1.37
TIME SHIFT OF PEAK FLOW (min)=201.00
MAXIMUM STORAGE USED (ha.m.)= 0.1420

**** WARNING : SELECTED ROUTING TIME STEP DENIED.

ADD HYD (0089)				
1 + 2 = 3				

	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0017):	31.32	0.083	2.07	2.10
+ ID2= 2 (0002):	18.34	0.008	4.88	3.92
=====				
ID = 3 (0089):	49.66	0.088	2.08	2.77

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.