

THE SANITARY MANHOLE IS LOCATED IN A PROPOSED PLACEMENT. THE SANITARY MANHOLE HAS ALREADY BEEN INSTALLED BUT NOT IN THIS LOCATION. LANDSCAPING REQUESTED THIS RELOCATION.

U/G SANITARY TANK  
2286x1270x1245 C/W GRADE RINGS SOLID STEEL CAP  
OPSD 401.020, 745 Ø [typ]

50 mm SANITARY PRESSURE PIPE

CATCH BASIN  
OPSD 705.010 [typ]

SANITARY MANHOLE C/W GRADE RINGS SOLID STEEL CAP  
OPSD

SANITARY MANHOLE C/W GRADE RINGS SOLID STEEL CAP  
OPSD

125 mm SANITARY SERVICE SDR 28

NATURAL GAS SERVICE 50 mm SCHEDULE 40 STEEL PIPE CSA APPROVED  
NATURAL GAS SERVICE 50 mm SCHEDULE 40 STEEL PIPE CSA APPROVED

SEE NOTES CONCERNING ENTRY REGARDING CURB AND PAVEMENT CONSTRUCTION

NOTE ALL WATER AND SANITARY LATERALS ARE TO BE FROST PROTECTED

CB#ex DATA  
EL EL EL  
E-INVT N-INVT W-INVT  
78.40 78.25 78.21

U/G SANITARY TANK  
2286x1270x1245 C/W GRADE RINGS SOLID STEEL CAP  
OPSD 401.020, 745 Ø [typ]

NOTE CONCERNING THE SEPARATION OF SEWER AND WATER LINES  
1. KEEP THE LINE SEPARATED BY 2.5 m.  
2. CROSSINGS ARE COVERED ON DRAWING SHEET "D1.1 1 b)"

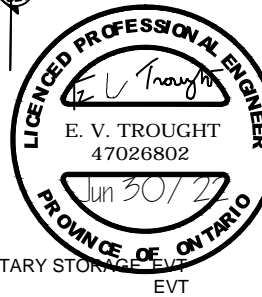
1 REV 2022-06-15 ADD MANHOLE AT P/L, REMOVE SPRINKLE WATER STORAGE, ADD SANITARY STORAGE TANK  
2 REV 2022-06-30 ADD WATER AND SANITARY LINES TO OUT BUILDINGS

CATCH BASIN SCHEDULE

CB ID	ELEV. T/CB	ELEV. I/I	ELEV. I/O	L	S %	OFC mm
#1	82.40	-	81.90	21.7	0.5	
#2	82.30	81.79	81.74	21.0	0.5	
#3	82.16	81.63	81.58	19.2	4.2	
#4	80.23	79.60	79.60	27.8	1.0	
#10	79.96	-	79.66	6.1	1.0	
#5	80.31	79.32	79.27	39.9	1.0	
EX	78.72	78.21	-	-	-	
#6	82.05	81.39	80.82	1.1	0.5	95
CLTC	82.05	80.77	80.77	-	-	
#7	80.81	-	80.46	30.3	0.5	32
ITNK	81.13	80.26	80.21	6.6	1.2	
#8	80.60	-	80.25	13.6	0.5	
#9	80.44	80.18	80.13	24.5	0.5	
#5	81.00	80.01	79.42	39.9	1.0	

CB ID IDENTIFICATION OF CATCH BASIN  
ELEV. ELEVATION IN METRES  
T/CB TOP OF CATCHBASIN  
I/I INVERT OF ENTERING PIPE  
I/O INVERT OF EXITING PIPE  
L LENGTH IN METRES LEAVING CB  
S SLOPE IN % OF L  
EX EXISTING CB  
CLTC CULTEC SYSTEM OF CHAMBERS  
ITNK IRRIGATION STORAGE TANK  
1000 gal 3.07x1.96x1.40, INLET INVERT 0.3DOWN FROM TOP TK DOWN 0.57m, EL 80.56

SEE NOTES ON SP.3.2



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**WELLINGTON HOTEL**

SITE PLAN - SERVICES

192 Main Street, Wellington, Ontario

SIZE	FSCM NO.	DWG NO.	REV
		SP.3.1	
SCALE 1:500	2021-11-22	SHEET 1	

**NOTES CONCERNING SERVICES**

1. a) ALL SANITARY LATERALS THAT SERVE THE VARIOUS BUILDINGS ON THE PROPERTY DRAIN TO AN EXISTING 1200 mm OPSD MANHOLE, LOCATED IN THE FRONT YARD. THE MAIN SANITARY LATERAL FROM THE ORIGINAL BUILDING WILL BE 125 mm. THE LATERAL FROM THE FRONT YARD MANHOLE TO THE MUNICIPAL SANITARY MANHOLE IS 125 mm. SANITARY SERVICE LATERAL IS 125 DR PIPE WITH A 0.7% SLOPE TO THE MUNICIPAL PIPE CONNECTION FROM THE MANHOLE. THE PROJECT MANHOLES ARE TO HAVE A SOLID CASE IRON COVERS.

b) THE MINIMUM SEPARATION BETWEEN SANITARY LATERAL AND WATER LATERAL IS 2.5 m. WHERE PRACTICAL THE WATER SUPPLY AND SEWER LINES SHOULD BE SEPARATED BY 2.5 m. WHERE THE LINES CROSS THE ONTARIO MINISTRY STANDARD "F-6-1 Procedures to Govern Separation of Sewers and Watermains" WILL BE FOLLOWED. PARAGRAPH "Crossings (5)

When it is not possible for the water line to cross above the sewer line, the water line passing under a sewer shall be protected by providing:

- (a) A vertical separation of at least 0.5 metres between the invert of the sewer and the crown of the water line.
- b) Adequate structural support for the sewers to prevent excessive deflection of joints and settling.
- (c) That the length of water pipe shall be centred at the point of crossing so that the joints will be equidistant and as far as possible from the sewer.

c) SANITARY LATERAL IS 150 mm, GREEN DR 28 WITH ELASTOMERIC GASKET AS PER OPSS 1841 AND CSA B182.2 M1990.

d) MANHOLE TO CONFORM TO OPSD 700 WITH SOLID COVER.

e) MANHOLE TO BE TESTED FOR LEAKS AS PER OPSS sect 407

f) BEDDING FOR NEW INSTALLATIONS WILL CONFORM TO OPSD 820 AND THE GRANULAR 'A' WILL CONFORM TO OPSS.

g) BRANCH CONNECTIONS ARE PRE-MANUFACTURED 'CSA' 'Y' FITTINGS. ALL JOINTS IN THE LATERAL WILL BE BELL AND SPIGOT TYPE.

h) A MINIMUM COVER OF 1.5 m WILL BE REQUIRED OVER THE FULL LENGTH OF THE LATERAL AND ITS BRANCHES.

2. a) WATER SERVICE MAIN IS 150 mm PRESSURE PVC PIPE FROM 200 mm MAIN IN THE STREET TO THE FRONT OF THE MAIN BUILDING WHERE IT WILL ENTER BASEMENT TO HAVE THE METERED INSTALLED.

b) A MAIN WATER SERVICE CUT-OFF VALVE IS TO BE INSTALLED ON THE PROPERTY LINE NEAR THE ROAD.

c) LATERAL IS TO BE CONNECTED TO THE 200 mm MAIN USING A "TEE" CONNECTION. THIS WILL REQUIRE A WATER SERVICE SHUTDOWN ON MAIN ST. BETWEEN BELLEVILLE AND MAPLE STREETS. THE CONTRACTOR MUST NOTIFY THE TOWN OFFICIALS AND THE AFFECTED RESIDENTS THREE DAYS IN ADVANCE.

d) THERE WILL BE A VALVE ON THE TAPPING SLEEVE AND ANOTHER 1.2 m UP THE LATERAL INSIDE THE APPLICANT'S PROPERTY LINE WITH BOXES ADJUSTED TO FINISHED GRADE.

e) THE MINIMUM COVER OF THE WATER SERVICE LATERAL WILL BE 1.8 m

f) PRIOR IS TO PUTTING THE WATER SERVICE INTO USE, A BACTERIAL TEST MUST BE PERFORMED AND THE LINE SHOWN TO BE FREE OF BACTERIA. A COPY OF THE TEST REPORT MUST BE PROVIDED TO THE COUNTY PRIOR TO THE LINE BEING PUT INTO SERVICE.

g) ALL WORK TO SERVICES IS TO BE CARRIED OUT IN ACCORDANCE WITH ALL APPLICABLE GUIDELINES AND SPECIFICATIONS OF THE COUNTY AND THIS DESIGN.

3. ELECTRICAL SERVICE WILL BE BURIED FROM THE HYDRO POLE TO A TRANSFORMER PAD WHERE THE POWER IS REDUCED TO 600 amp 120/208 v, 3-PHASE. THIS POWER IS RUN TO THE ELECTRICAL VAULT IN THE FRONT YARD, TO BE LOCATED BY HYDRO ONE. FEED ENTERS THE MAIN BUILDING NEAR THE NORTH END OF THE WEST WALL. RUNNING INTO THE ELECTRICAL ROOM AT THE NORTH END OF THE BUILDING WHERE IT WILL BE METERED AGAIN AND SPLIT TO OTHER BUILDINGS ON THE PROPERTY. FEEDS WILL ALSO RUN TO FOUR OTHER BUILDINGS: THE 'CHALET SUITE', THE ANNEX, THE YOGA SUITE AND THE SEASON BUILDING.

4. CATCH BASIN GRATE TO BE ADJUSTED WITH MANUFACTURER'S COLLARS TO SAME ELEVATION AS FINISHED PAVEMENT. ALL CATCH BASIN GRATES TO BE PROTECTED FROM SEDIMENT INFILTRATION DURING CONSTRUCTION WITH GEOFABRIC. FABRIC TO HAVE AT LEAST 75 mm LAP ON UNDER SIDE OF GRATE TO MAINTAIN FULL COVERAGE OF THE GRATE. CATCH BASIN SUMP TO BE CLEANED PRIOR TO COVER AND AGAIN AFTER COVER IS REMOVED. COVER IS TO BE INSTALLED PRIOR TO CONSTRUCTION AND LEFT IN PLACE UNTIL VEGETATION IS RE-ESTABLISHED.

5. CONTRACTOR TO CONSULT WITH ARBORIST NOTES REGARDING THE CONSTRUCTION OF THE WOOD FENCE AND SWALES. FENCE MAY BE INTERRUPTED AT MATURE TREES. SWALES MAY BE CONSTRUCTED INSIDE THE TREES TO AVOID DAMAGE. OTHER CONFLICTS TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

6. DRAWING INDICATES A WATER METER CHAMBER. BUT UNTIL THE TOWN PROVIDES THE 'STANDARD' FOR REVIEW, THE OWNER IS NOT PERMITTED TO GIVE A 'BLANK' APPROVAL FOR THE WATER METER CHAMBER. SHOULD THIS CHAMBER BE INSTALLED, THERE WILL BE TWO BACK FLOW PREVENTERS INSTALLED WITH THE METER.

8. WATER SERVICE LATERAL AND THE FIRE SERVICE LATERAL IS TO HAVE A 14 ga TW SOLID COPPER COATED WIRE ATTACHED TO THE TOP SIDE OF THE PIPE. AS PER OBC12 7.2.11.3.

9. CONTRACTOR TO REVIEW THE LANDSCAPING DRAWINGS. THE GRADING ALONG THE WEST AND NORTH PROPERTY LINES IS LIMITED TO MAINTAIN THE EXISTING 'SUITABLE' TREES. THE SUITABLE

**NOTES CONCERNING STORMWATER DESIGN**

1. STORMWATER FROM THE DEVELOPMENT WILL BE CONTROLLED ON THE LOT.

2. CONTROL OUTLETS AT CATCH BASINS BY ORIFICE PLATE. ENSURE THE ORIFICE INVERTS ARE AT THE SAME ELEVATION AS THE PIPE INVERT ELEVATIONS. THE ORIFICE SIZE IS INDICATED ON THE DRAWING.

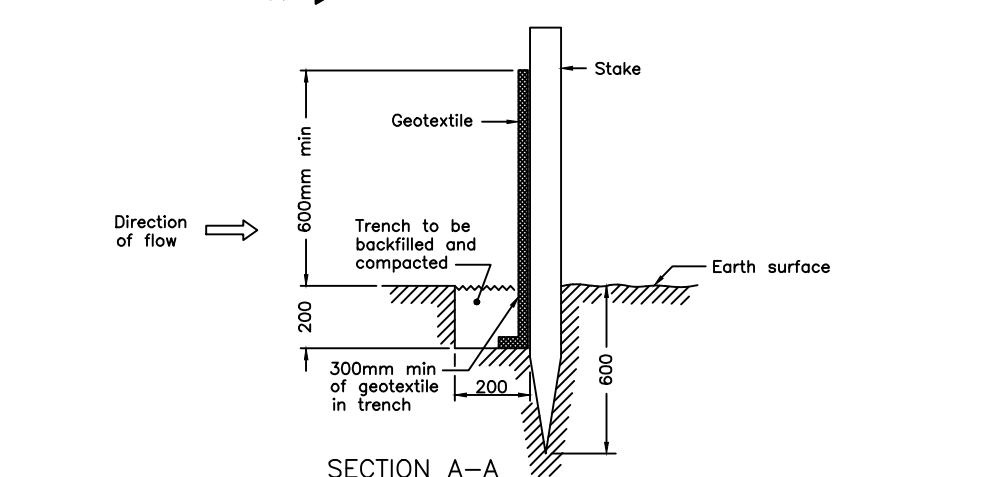
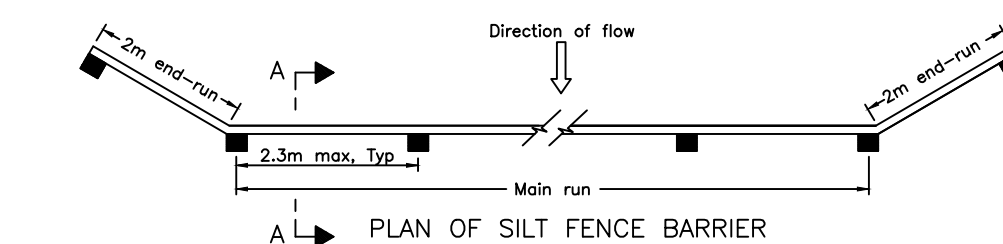
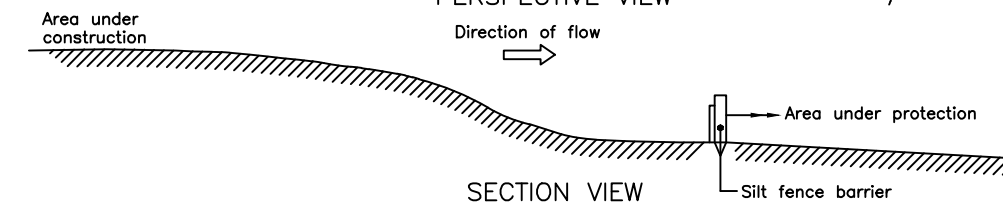
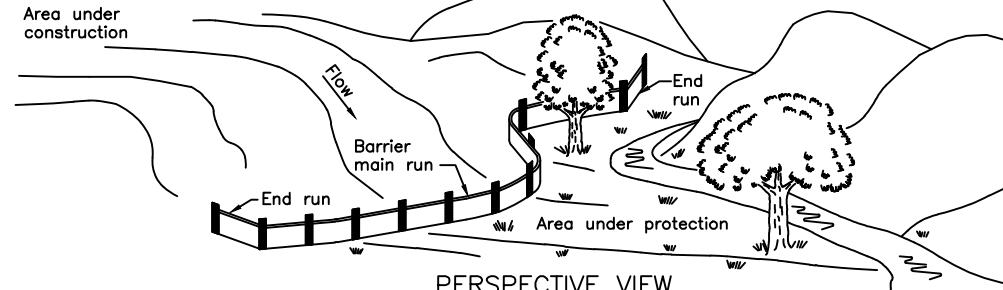
3. DURING CONSTRUCTION PRECAUTIONS ARE TO BE TAKEN TO MINIMIZE THE IMPACT OF SUSPENDED PARTICULATE FROM ENTERING THE TOWN STORM SYSTEM OR NEIGHBOURING PROPERTY BY INSTALLING A SILT FENCE AS INDICATED ON THE DRAWING [SILT FENCE TO COMPLY WITH OPSD 219.110].

GEOFABRIC IS TO BE PLACED AROUND EACH CATCH BASIN GRATES (AS PER OPSD 577) IMMEDIATELY AFTER PLACEMENT OF NEW UNITS AND IS TO BE INSTALLED AROUND NEAR CATCH BASINS - ONE ONE AT THE SOUTH END OF THE DRIVEWAY AND THE FIRST ONE IN THE MUNICIPAL ROAD.

3. TEMPORARY MEASURES ARE TO BE TAKEN TO MAINTAIN THE QUALITY OF RUNOFF FROM RAIN FALL. BAILS OF STRAW ARE TO BE LAID ACROSS THE SWALE ON THE WEST SIDE OF THE ENTRY LOT AS INDICATED ON THE DRAWING.

4. THESE CONTROL STRUCTURES SHOULD BE INSTALLED PRIOR TO CONSTRUCTION, BE MAINTAINED DURING CONSTRUCTION AND BE LEFT IN PLACE UNTIL MATURE VEGETATION HAS BEEN ESTABLISHED. CONTINUE TO THE RIGHT

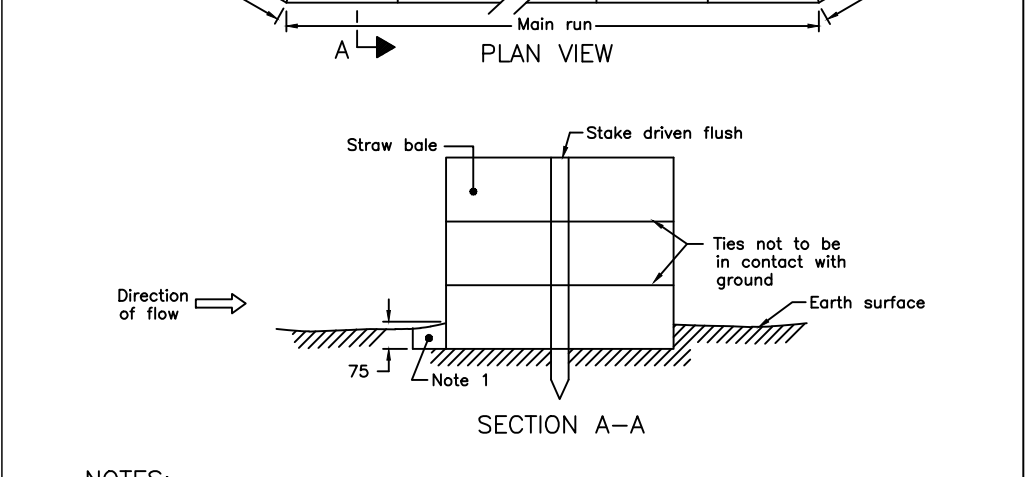
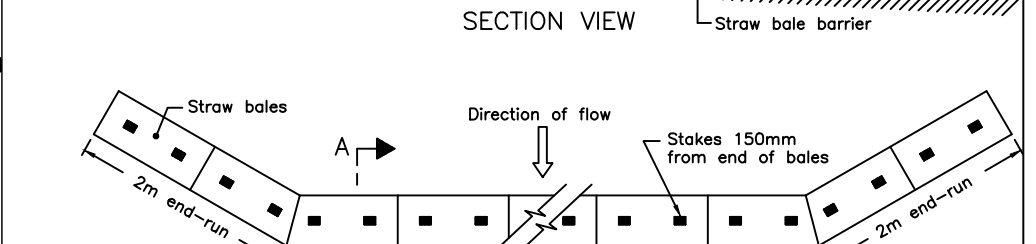
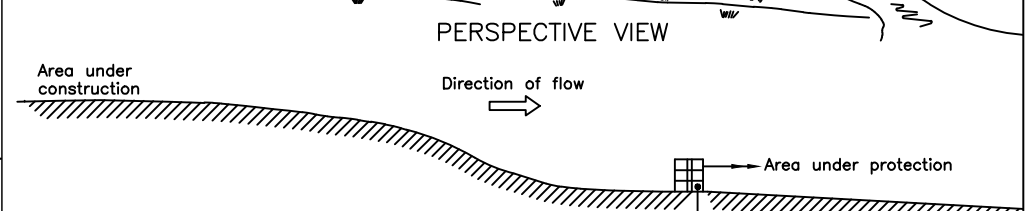
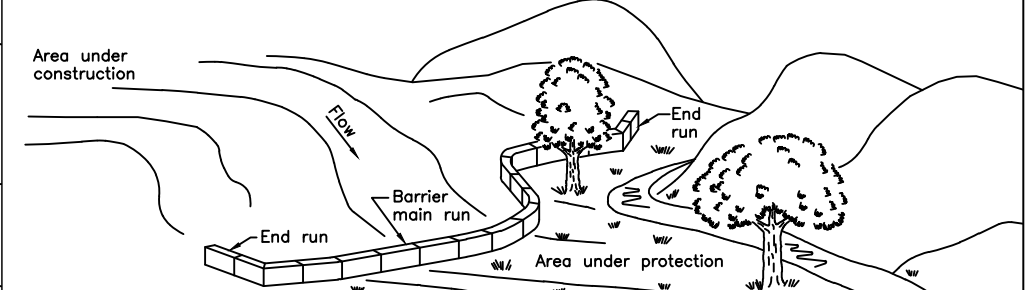
TREES ARE IDENTIFIED ON THE LANDSCAPING PLANS. INSIDE THE TREES [AND ROOT SYSTEM] GRADES MAY BE ACHIEVED AS PER THE STORMWATER PLAN. THE CONTRACTOR SHALL IDENTIFY ANY CONFLICTS WITH THE ENGINEER FOR RESOLUTION.



**NOTE:**

A All dimensions are in millimetres or metres unless otherwise shown.

**LIGHT DUTY  
SILT FENCE BARRIER  
OPSD - 219.110**



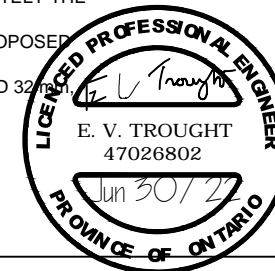
**NOTES:**

1 Balance of excavated trench to be backfilled following bale placement.

A All dimensions are in millimetres or metres unless otherwise shown.

**LIGHT DUTY  
STRAW BALE BARRIER OPSD - 219.100**

- 5. THE CATCH BASINS TO BE PROTECTED INCLUDE ALL NEW ON SITE AND THE EXISTING MUNICIPAL CATCH BASINS THAT WILL COLLECT ON SITE RUNOFF.
- 6. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE TO MAKE DAILY INSPECTIONS TO ENSURE THE CONTINUOUS OPERATION OF THE CONTROL DEVICES AS THEY WERE INTENDED. ULTIMATELY THE OWNER WILL BE RESPONSIBLE THAT ALL MEASURES ARE TAKEN.
- 7. REFER TO THE STORMWATER MANAGEMENT REPORT FOR INSTRUCTIONS ON THE PROPOSED CULTEC SYSTEM.
- 8. ORIFICES ARE TO BE INSTALLED IN OUTLETS FOR CATCH BASINS #6 AND #7; 95 mm AND 32 mm RESPECTIVELY. INVERT OF ORIFICE IS COINCIDENT WITH THE INVERT OF THE PIPE.



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<b>WELLINGTON HOTEL</b>			
SITE PLAN - SITE NOTES			
192 Main Street, Wellington, Ontario			
SIZE	FSCM NO.	DWG NO.	REV
		D1.1	

SCALE NTS	2021-11-22	SHEET 1
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