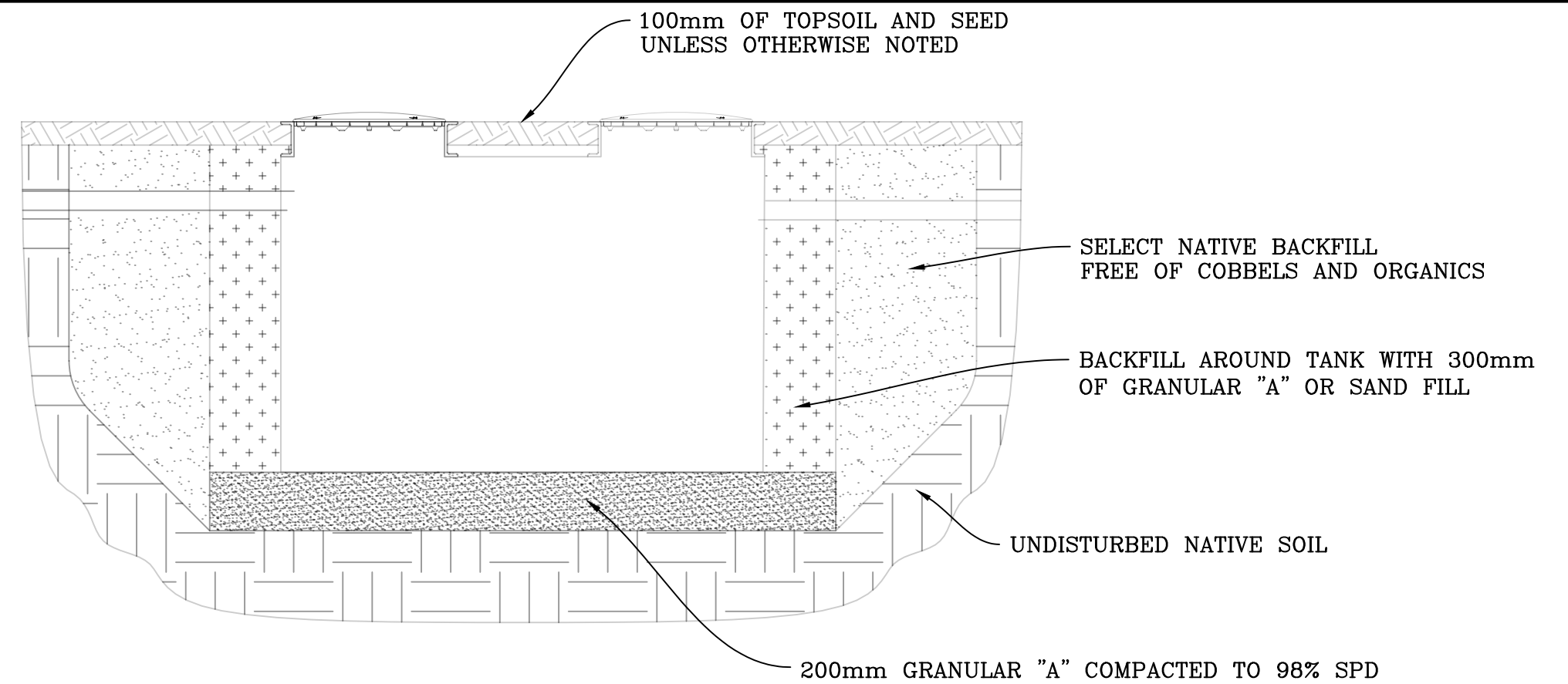
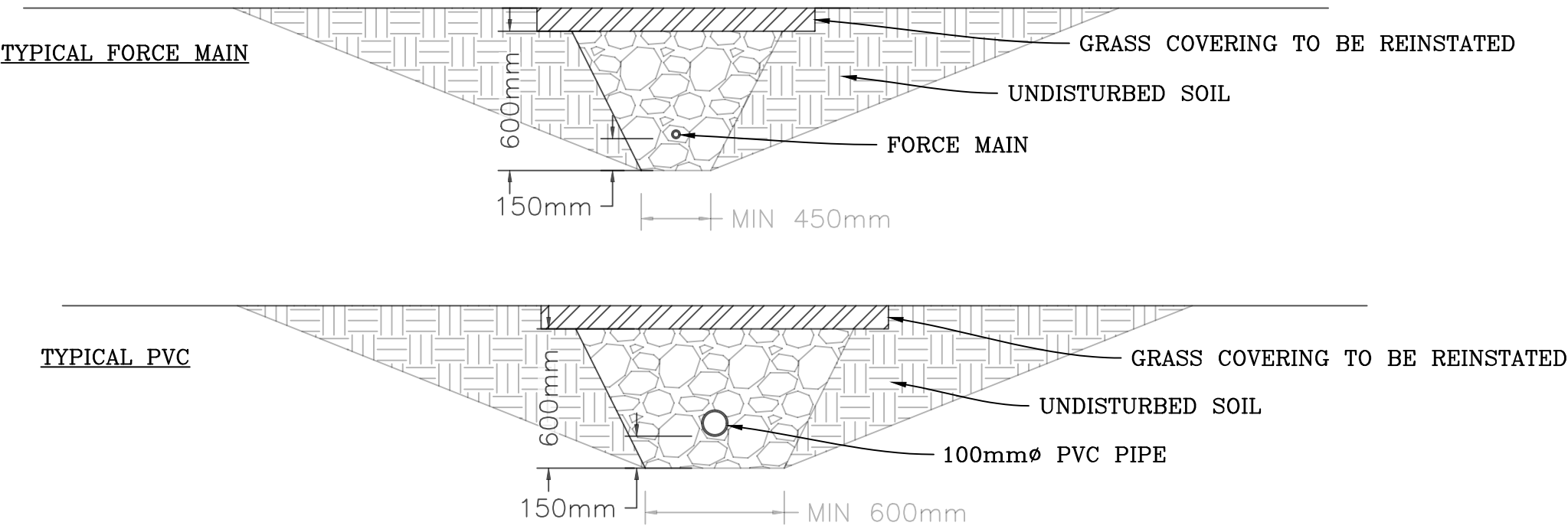


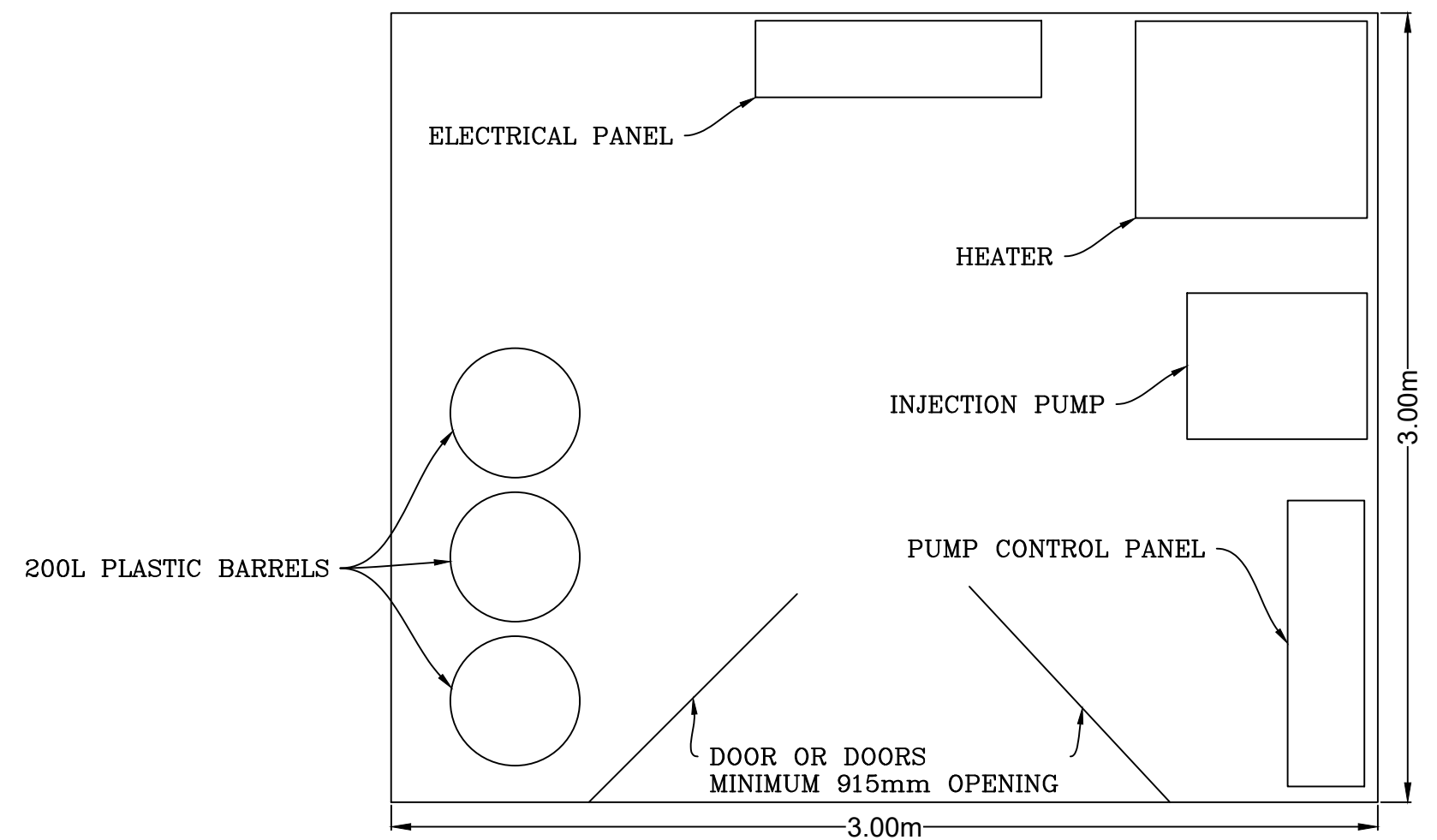
**1 TYPICAL PUMP CHAMBER**  
C-102 N.T.S.



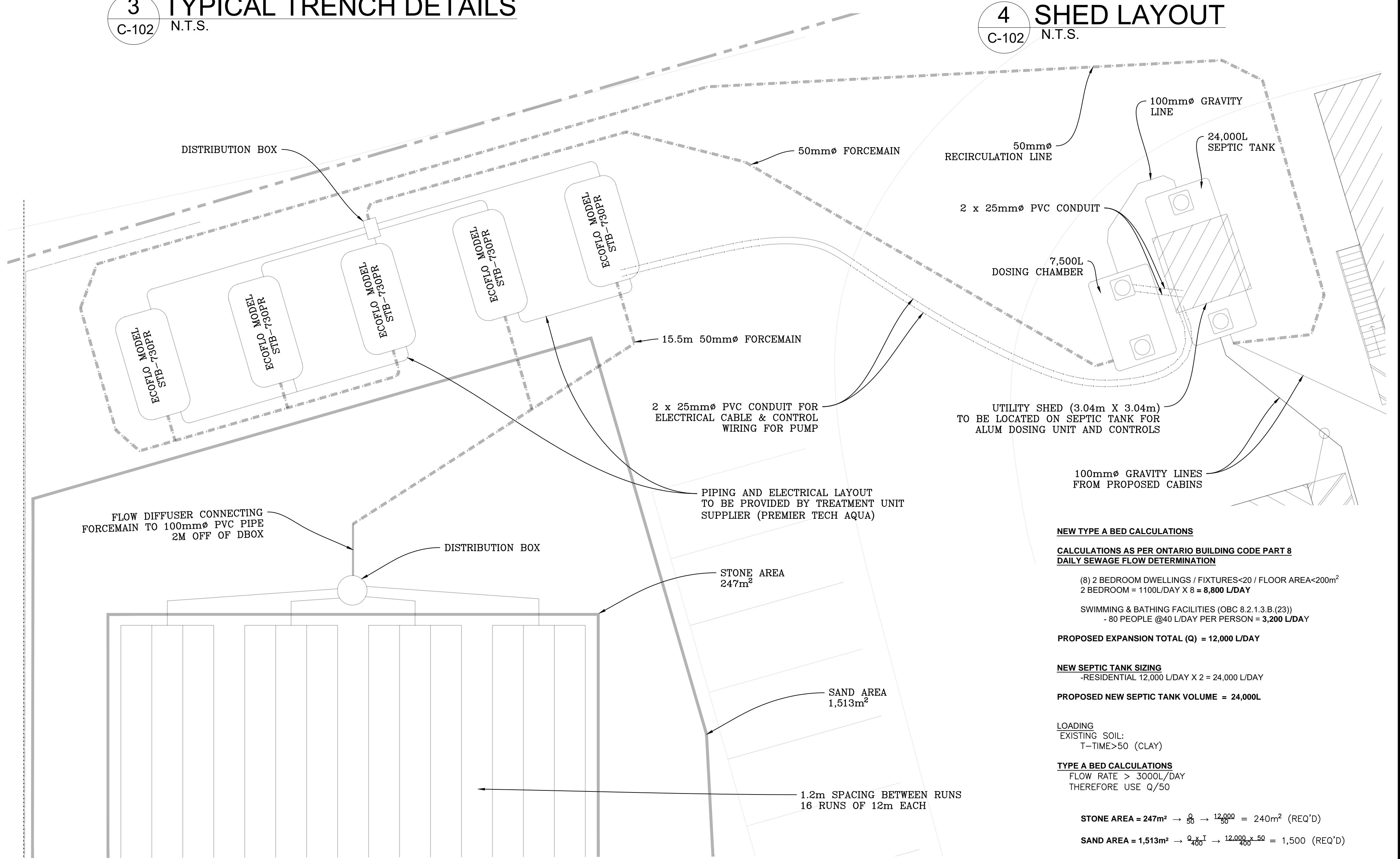
**2 TYPICAL TANK INSTALLATION**  
C-102 N.T.S.



**3 TYPICAL TRENCH DETAILS**  
C-102 N.T.S.



**4 SHED LAYOUT**  
C-102 N.T.S.



**5 TREATMENT SYSTEM DETAILS**  
C-102 1:100

**NEW TYPE A BED CALCULATIONS**  
CALCULATIONS AS PER ONTARIO BUILDING CODE PART 8  
**DAILY SEWAGE FLOW DETERMINATION**

(8) 2 BEDROOM DWELLINGS / FIXTURES < 20 / FLOOR AREA < 200m²  
2 BEDROOM = 1100L/DAY X 8 = 8,800 L/DAY

SWIMMING & BATHING FACILITIES (OBC 8.2.1.3.B.(23))  
80 PEOPLE @ 40 L/DAY PER PERSON = 3,200 L/DAY

**PROPOSED EXPANSION TOTAL (Q) = 12,000 L/DAY**

**NEW SEPTIC TANK SIZING**  
RESIDENTIAL 12,000 L/DAY X 2 = 24,000 L/DAY

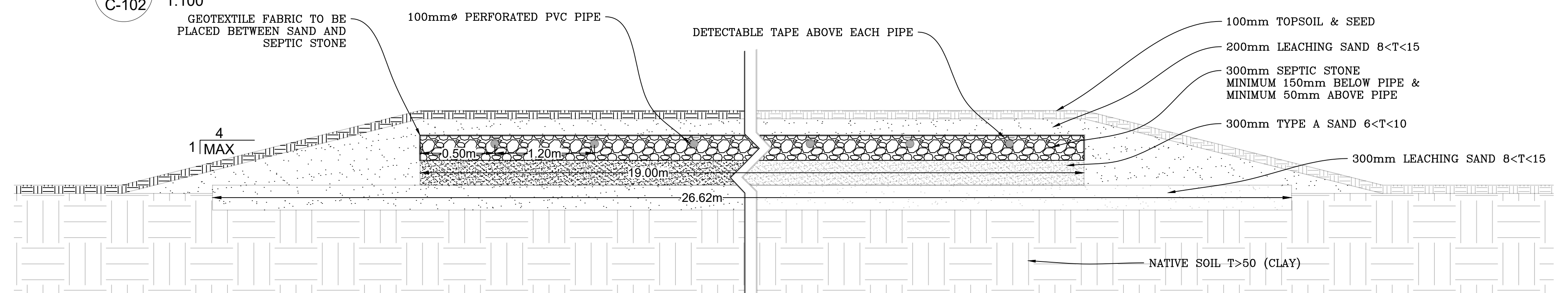
**PROPOSED NEW SEPTIC TANK VOLUME = 24,000L**

LOADING  
EXISTING SOIL:  
T-TIME > 50 (CLAY)

**TYPE A BED CALCULATIONS**  
FLOW RATE > 3000L/DAY  
THEREFORE USE Q/50

STONE AREA = 247m² →  $\frac{12,000}{50} = 240m²$  (REQ'D)

SAND AREA = 1,513m² →  $\frac{12,000 \times 50}{200} = 1,500$  (REQ'D)



**6 TYPE A DISPERSAL BED PROFILE**  
C-102 N.T.S.



UNIT 640 - 654 NORRIS COURT  
KINGSTON ONTARIO  
OFFICE (613) 634-1789  
www.groundengineer.ca

Client/Land Owner: <b>SHANNON HUNTER</b>	
Project: <b>WANDER THE RESORT</b>	
WELLINGTON	ONTARIO
Drawing Title: <b>DETAILS</b>	
Drawn by: J.H.	Project Number: <b>GW-21002-54</b>
Checked by: M.H.B.	Drawing Number: <b>C-102</b>
Page Size: 24"x36"	Scale: AS NOTED
Date: JULY 28, 2022	SHEET 2 of 2

REVISIONS		
No.	Description	Date
01	PRELIMINARY	2022.04.06
02	SEPTIC PLAN	2022.06.22
03	PARKING SPACES - ADJUSTED SAND AREA	2022.07.28
04	UPDATES AS PER MECP COMMENTS	2023.03.16

BENCHMARK:		
No.	DESCRIPTION	ELEVATION

LOCATION PLAN  
N.T.S.