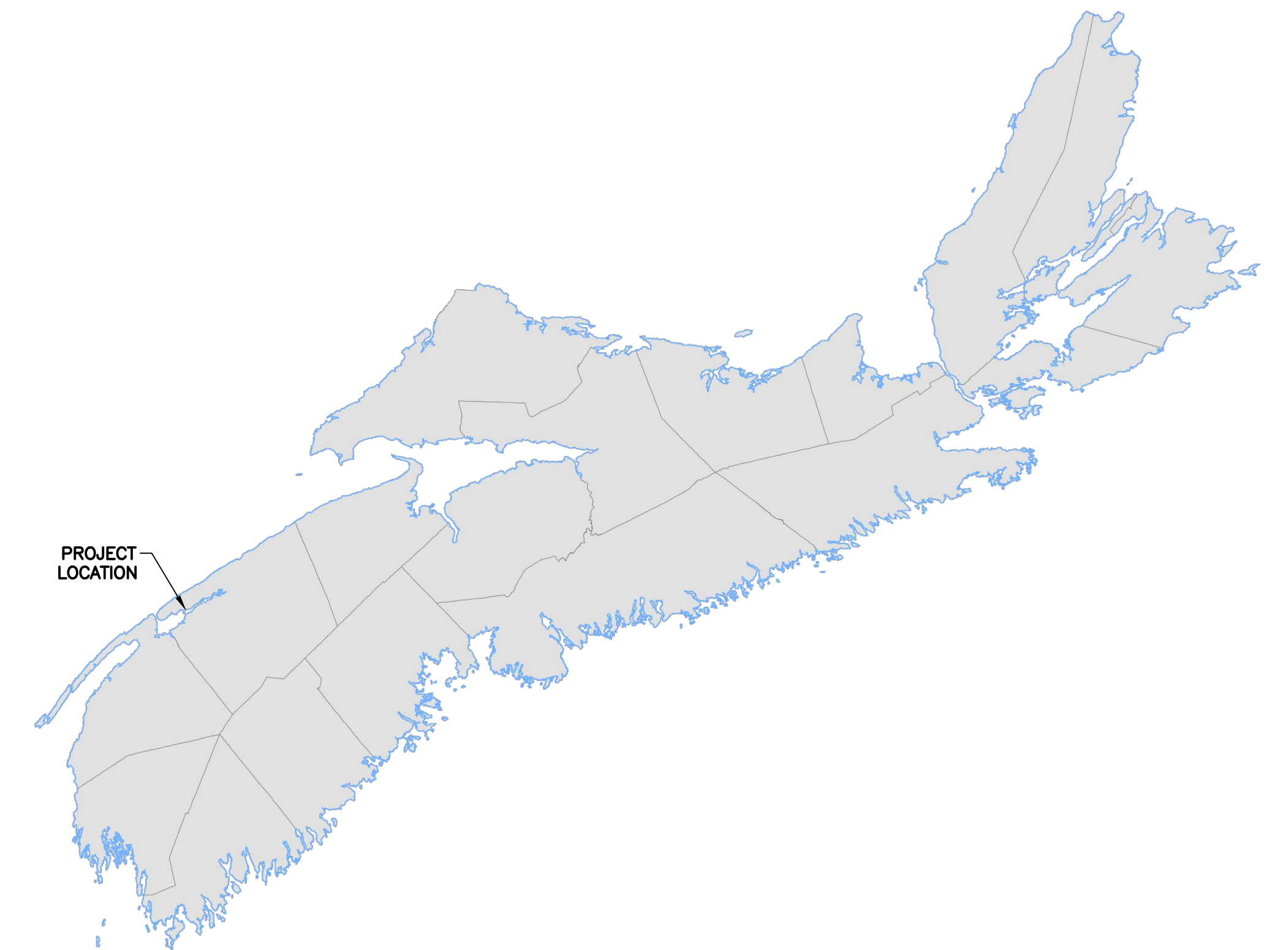


Parks  
Canada

Parcs  
Canada



# RENEWAL PROJECT PORT ROYAL NATIONAL HISTORIC SITE

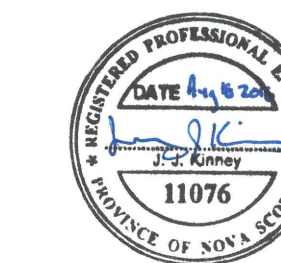
## ANNAPOLIS COUNTY, NS

PROJECT NO. 738

ISSUED FOR TENDER AUG, 2016

### DRAWINGS LIST

Sheet Number	Sheet Title
--	COVER SHEET
C-1	EXISTING CONDITIONS
C-2	PLAN VIEW DESIGN
C-3	LIFT STATION DETAILS
C-4	EXCAVATION DETAILS
E-1	ELECTRICAL PLAN



**LEGEND**

EXISTING	
— W —	WATERMAIN
○	HYDRANT
—	CULVERT
— SW —	STORM
— PWR —	U/G POWER
—	PROFILE
—	EDGE OF PAVE
—	EDGE OF GRAVEL
—	CENTERLINE
—	DITCH CL
—	SHOULDER
—	SIDEWALK
—	TOP OF BANK
—	TOE OF BANK
— 15.0 —	MAJOR CONTOUR
— 13.0 —	MINOR CONTOUR
—	BOUNDARY LINE
○	KNOWN CULTURE POINTS
•	ROAD SIGNS

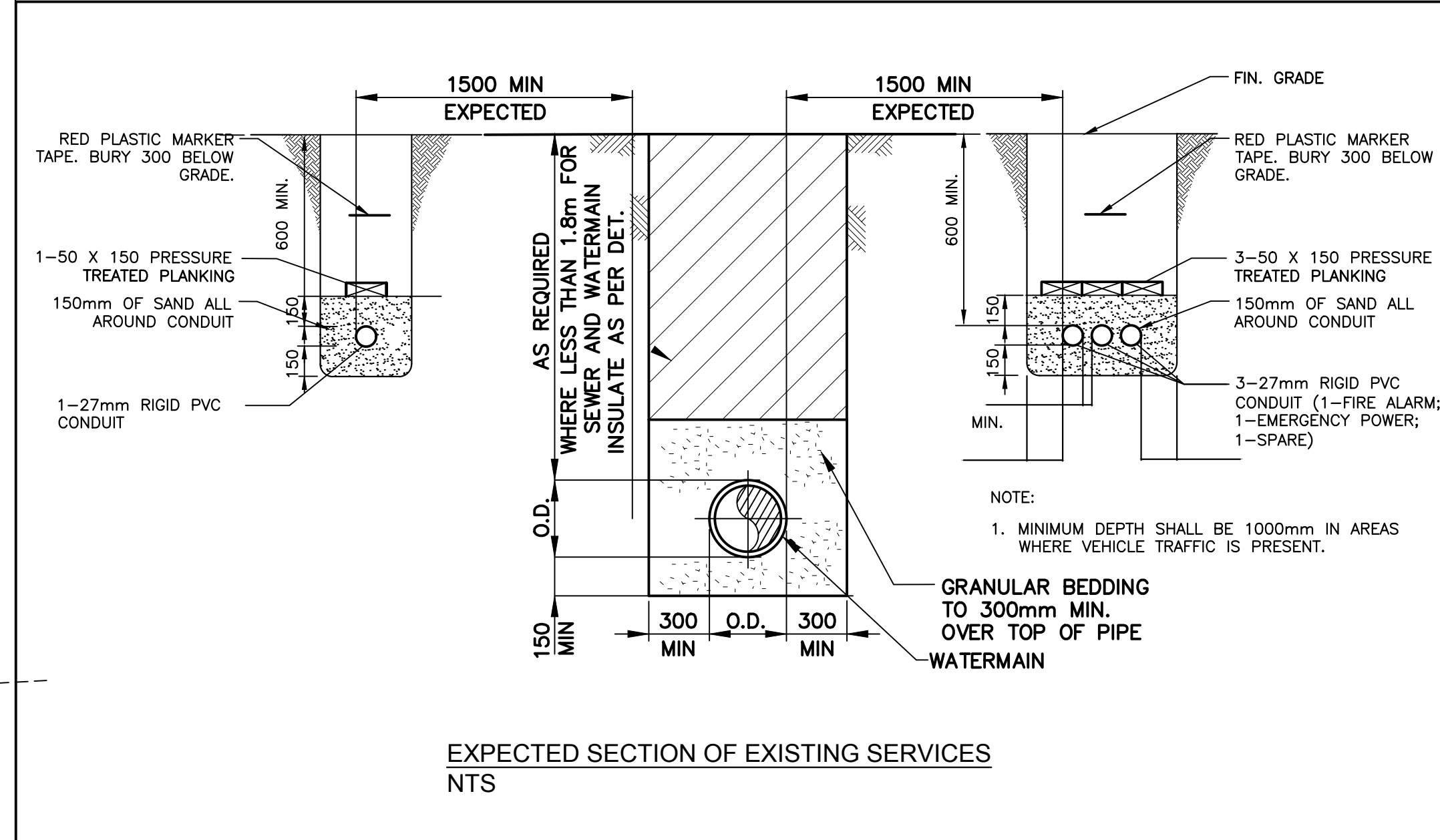
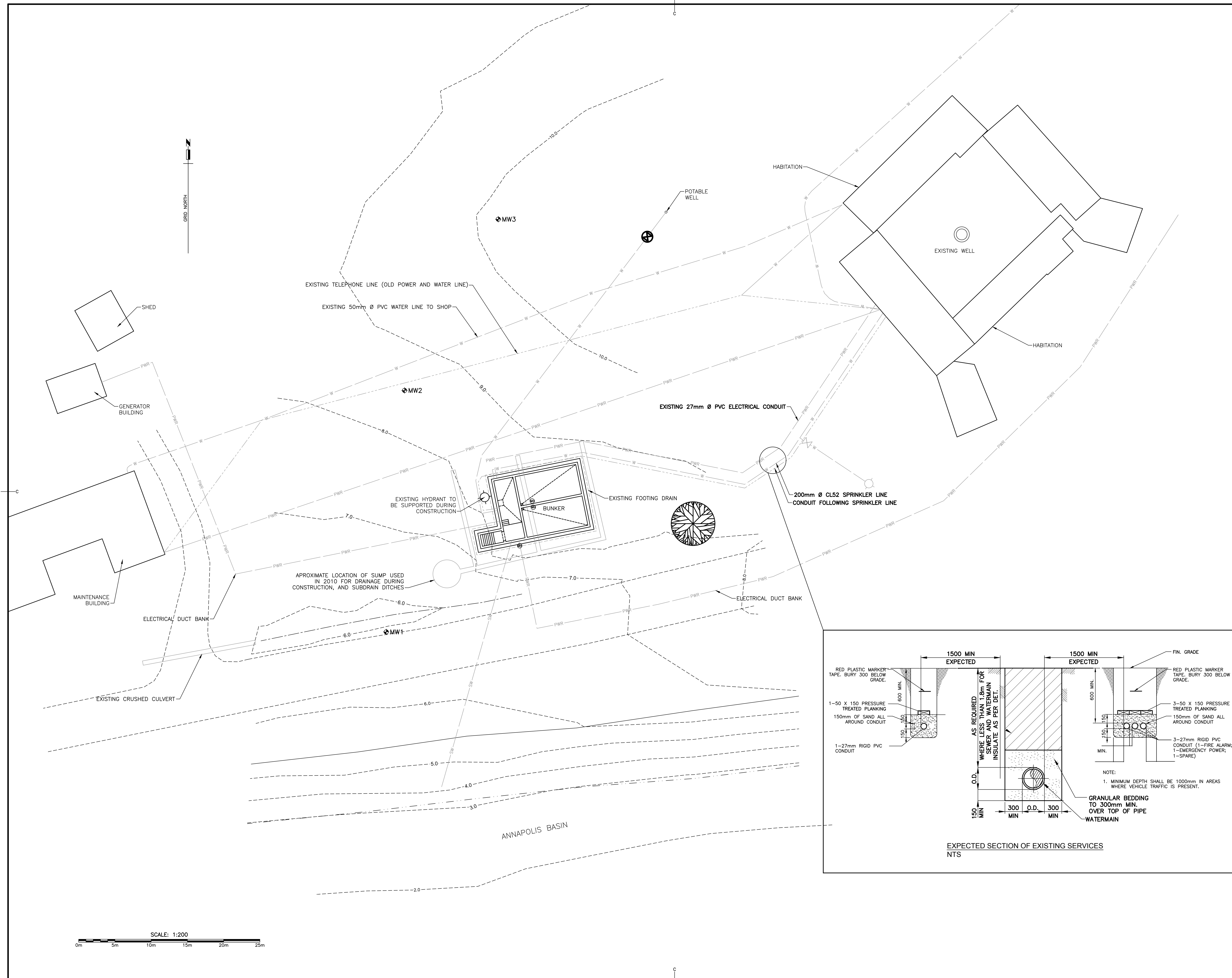
NOTES:  
 \* ALL EXISTING UNDERGROUND PIPE AND UTILITY INFORMATION SHOWN IS APPROXIMATE ONLY. CONTRACTOR TO CONFIRM EXACT LOCATIONS AND INVERTS IN THE FIELD PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.  
 \* CONTRACTOR MAY ELECT TO USE LOCATION OF SUMP FROM 2010 AS A PUMPING POINT FOR DEWATERING THE SITE DURING CONSTRUCTION.  
 \* GEODETIC ELEVATIONS SHOWN  
 \* COORDINATES BASED ON NS MONUMENT (ATS77)  
 \*\* STATION ID: 214752  
 \*\* EASTING: 5412205.000  
 \*\* NORTHING: 4953113.872  
 \*\* ELEVATION: 10.756

1	ISSUED FOR TENDER	AUGUST 2016
0	PRELIMINARY REVIEW	APR 22 2016
revisions		date

project  
**RENEWAL PROJECT  
 PORT ROYAL  
 NATIONAL HISTORIC SITE  
 ANNAPOLIS COUNTY, NS**

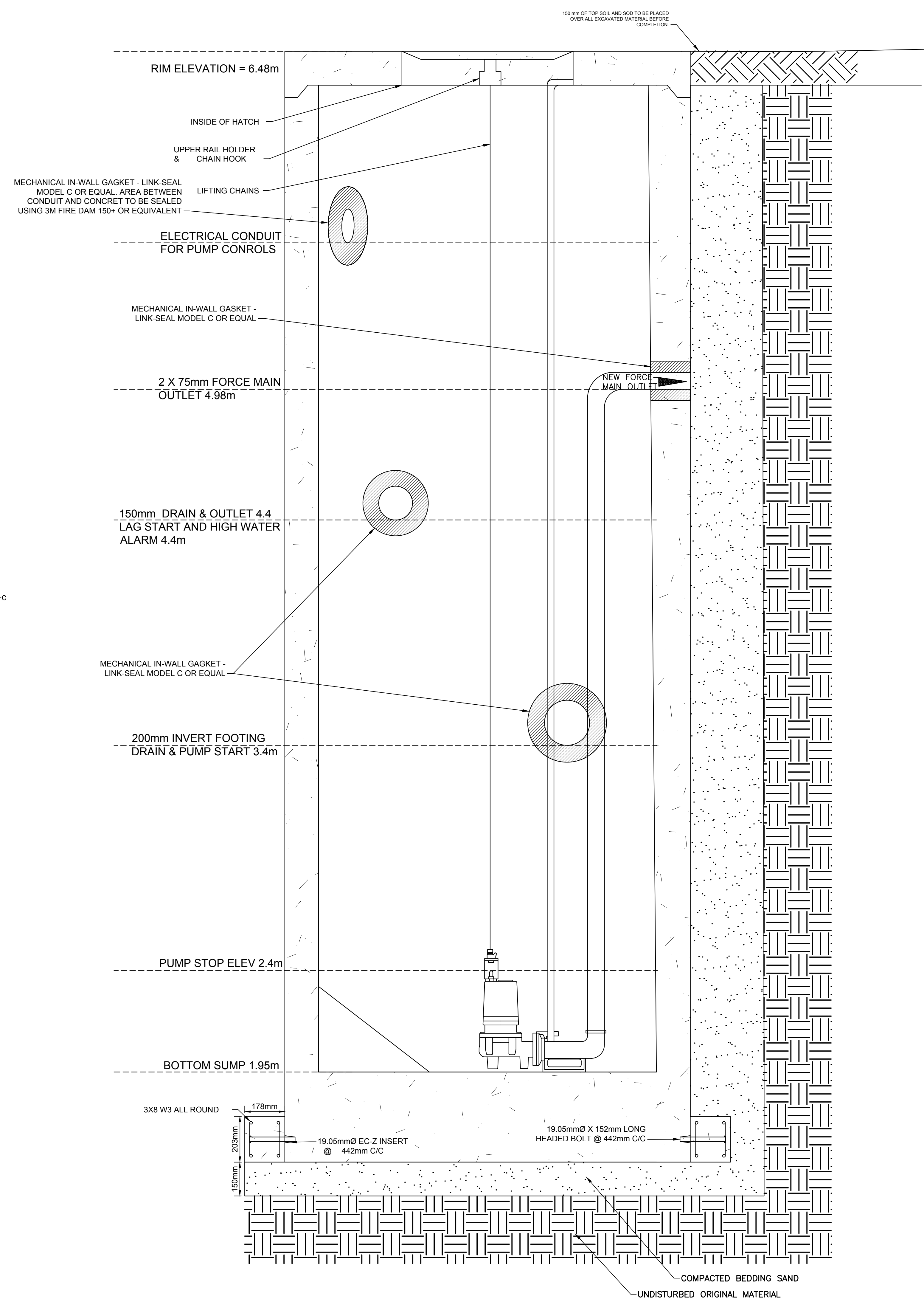
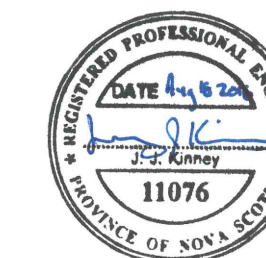
**UNDERGROUND BUNKER  
 EXISTING CONDITIONS**

designed DP	conçu
date	AUGUST 2016
drawn MN	dessiné
date	AUGUST 2016
approved DP	approuvé
date	AUGUST 2016
Tender	Soumission
JN	
PWGSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
	<b>738</b>
drawing no.	no. du dessin
	<b>C-1</b>

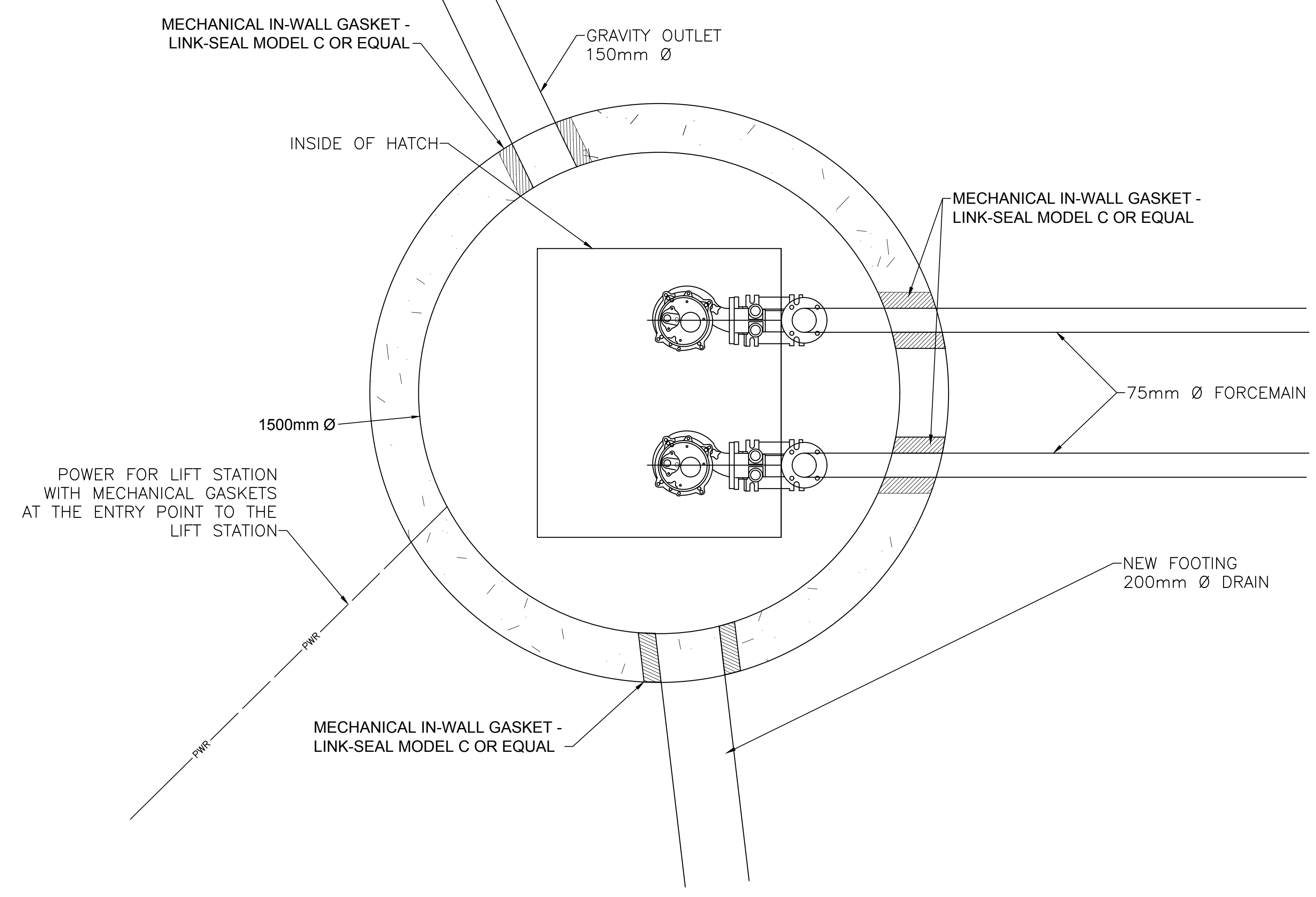


SCALE: 1:200  
 0m 5m 10m 15m 20m 25m

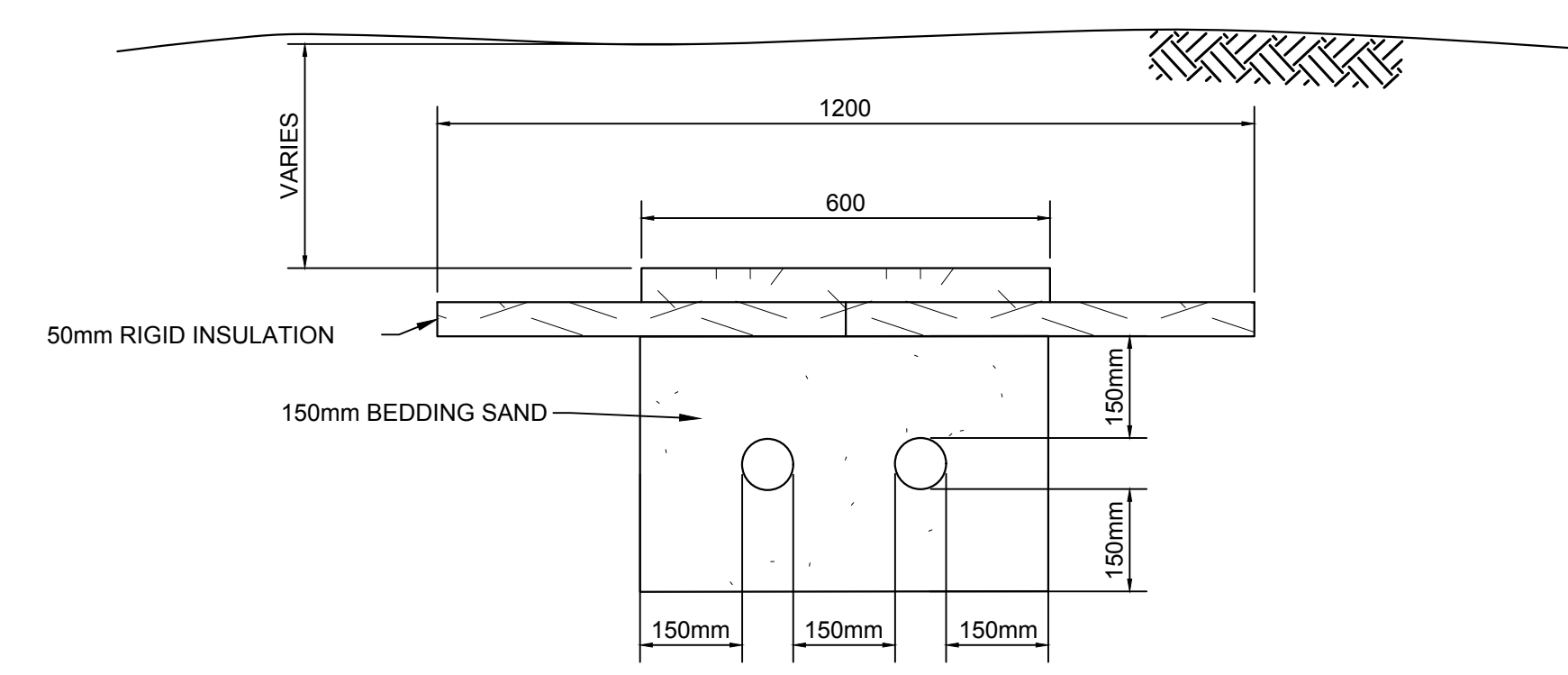




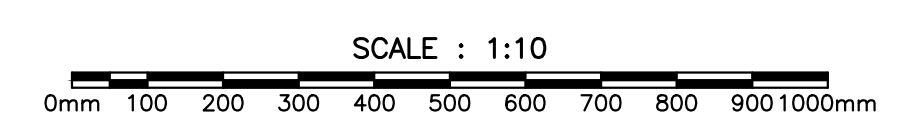
LIFT STATION DETAIL - CROSS SECTION  
SCALE: 1:10



LIFT STATION DETAIL - PLAN VIEW  
SCALE: 1:10



TYPICAL PROFILE INSULATION OVER FORCE MAIN OUTLET  
SCALE: 1:10



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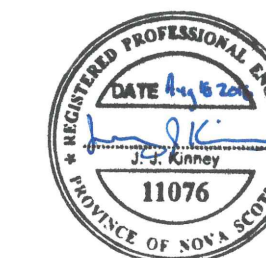
project  
**RENEWAL PROJECT  
PORT ROYAL  
NATIONAL HISTORIC SITE  
ANNAPOLIS COUNTY, NS**

drawing  
**UNDERGROUND BUNKER  
LIFT STATION DETAILS**

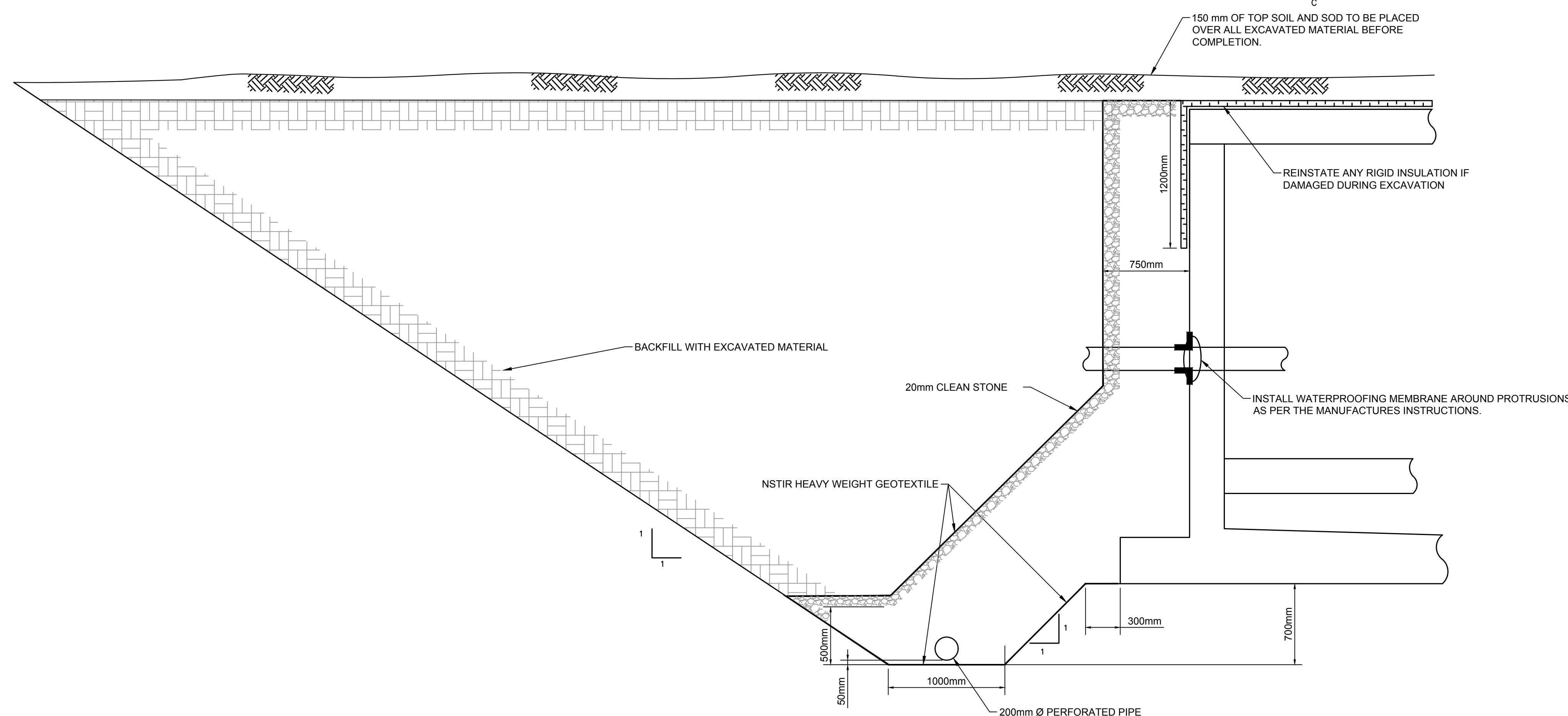
designed DP	conçu
date AUGUST 2016	
drawn MN	dessiné
date AUGUST 2016	
approved DP	approuvé
date AUGUST 2016	

Tender  
JN  
PWGSC Project Manager Administrateur de projets TPSGC  
project number  
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no. du projet

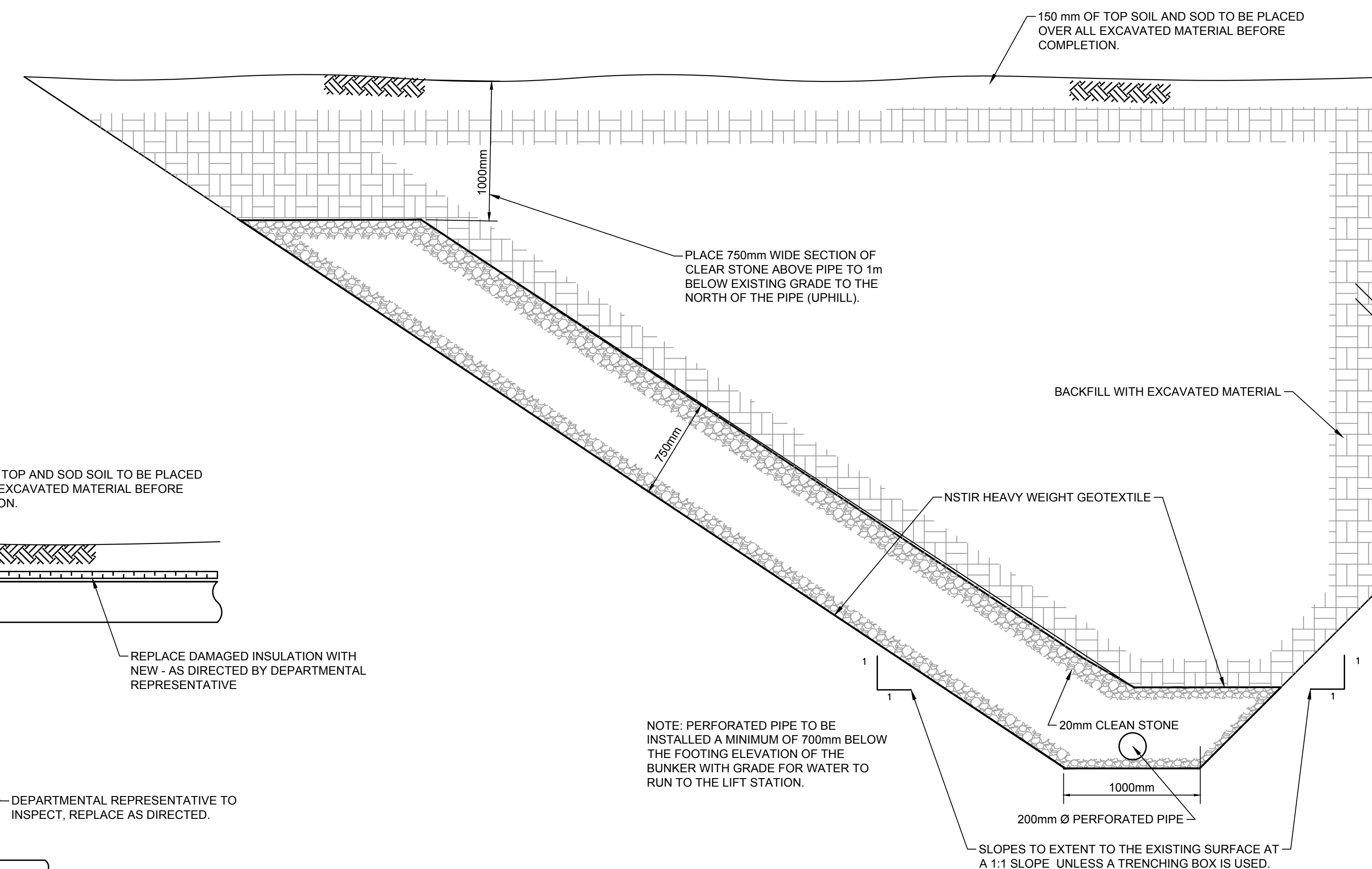
drawing no.  
**C-3**  
no. du dessin



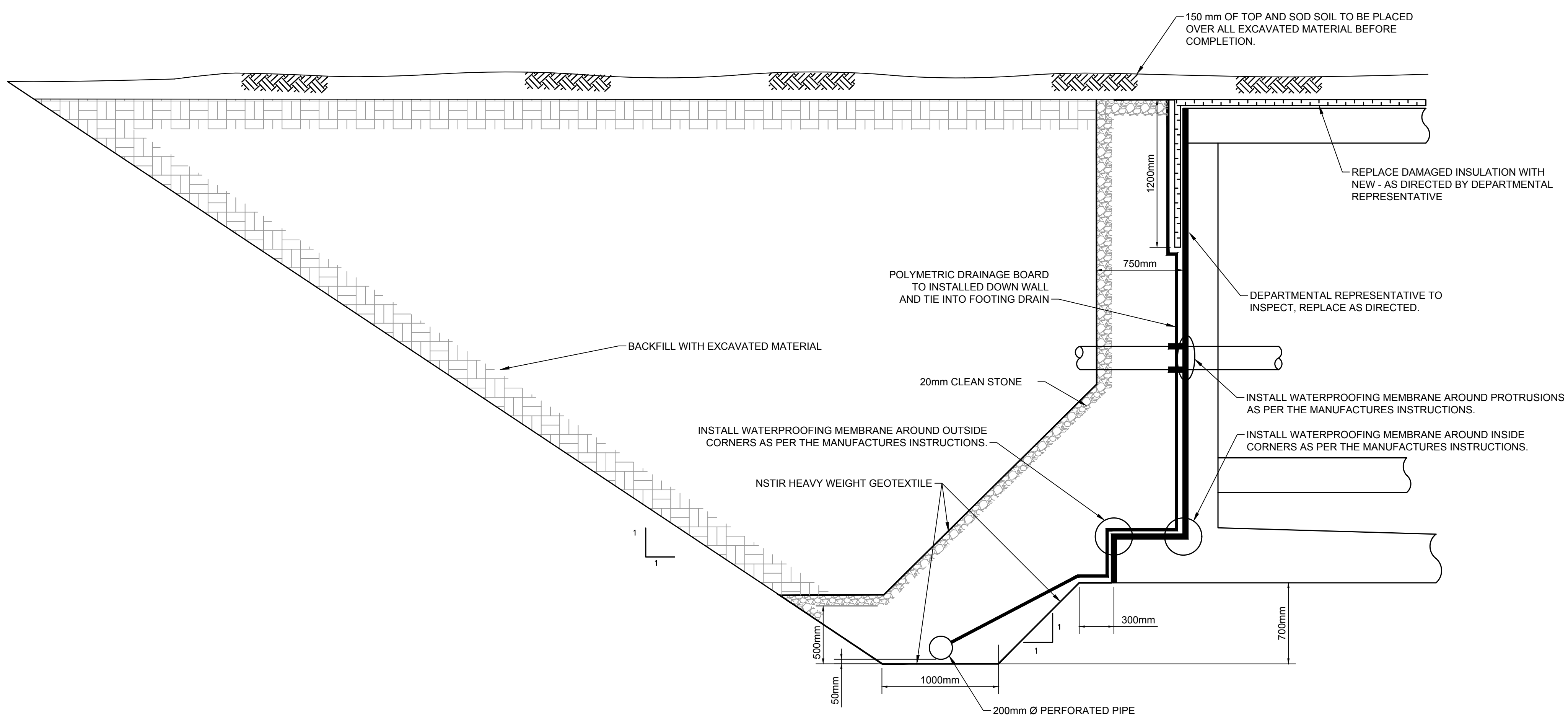
NOTES:  
GEOTEXTILE TO OVERLAP EACH SUCCESSIVE STRIP OF GEOTEXTILE 300 mm OVER PREVIOUSLY LAID STRIP



BACK FILL DETAIL - WITHOUT WATERPROOF MEMBRANE  
SCALE: 1:25



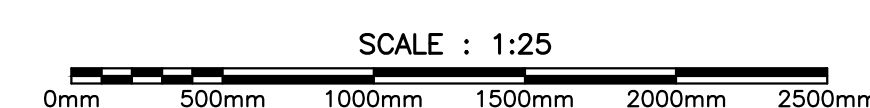
BACK FILL DETAIL - WHERE PIPE EXTENDS PAST BUNKER  
SCALE: 1:25



BACK FILL DETAIL - WITH WATERPROOF MEMBRANE  
SCALE: 1:25

NOTE: PERFORATED PIPE TO BE INSTALLED A MINIMUM OF 700mm BELOW THE FOOTING ELEVATION OF THE BUNKER WITH GRADE FOR WATER TO RUN TO THE LIFT STATION.

SLOPES TO EXTENT TO THE EXISTING SURFACE AT A 1:1 SLOPE UNLESS A TRENCHING BOX IS USED.



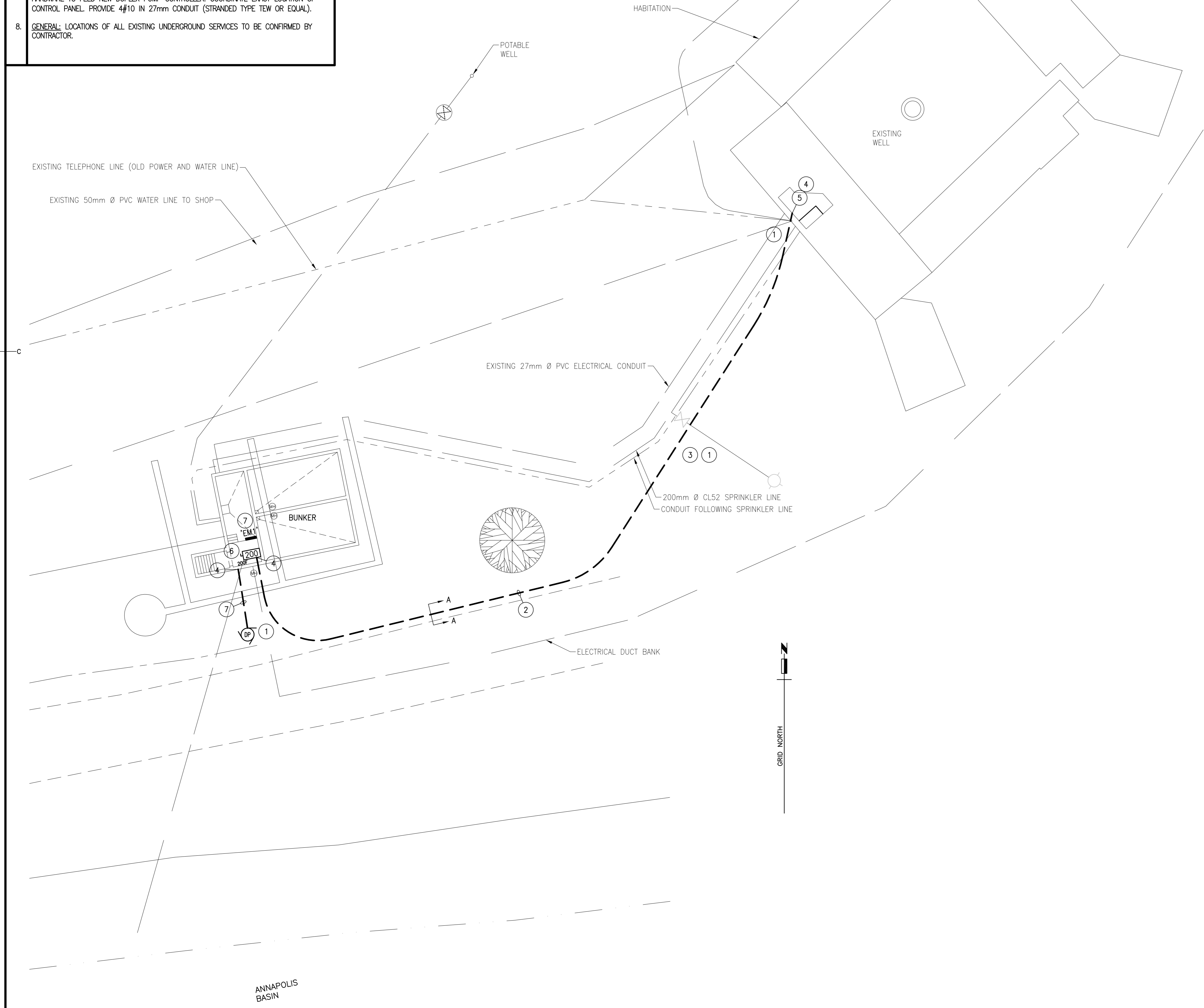
1	ISSUED FOR TENDER	AUGUST 2016
0	PRELIMINARY REVIEW	APR 22 2015
revisions		date

project **RENEWAL PROJECT  
PORT ROYAL  
NATIONAL HISTORIC SITE**  
ANNAPOLIS COUNTY, NS

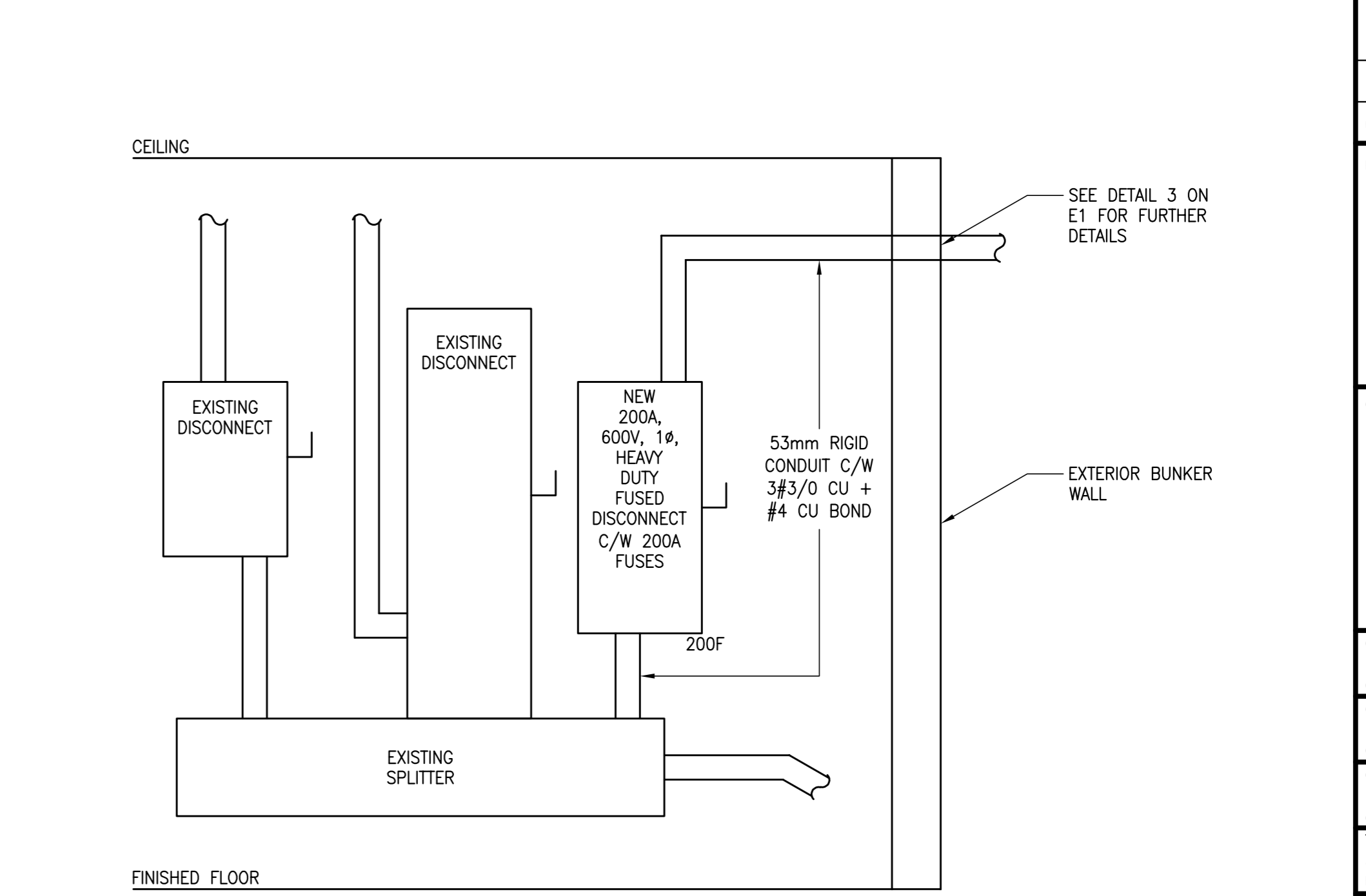
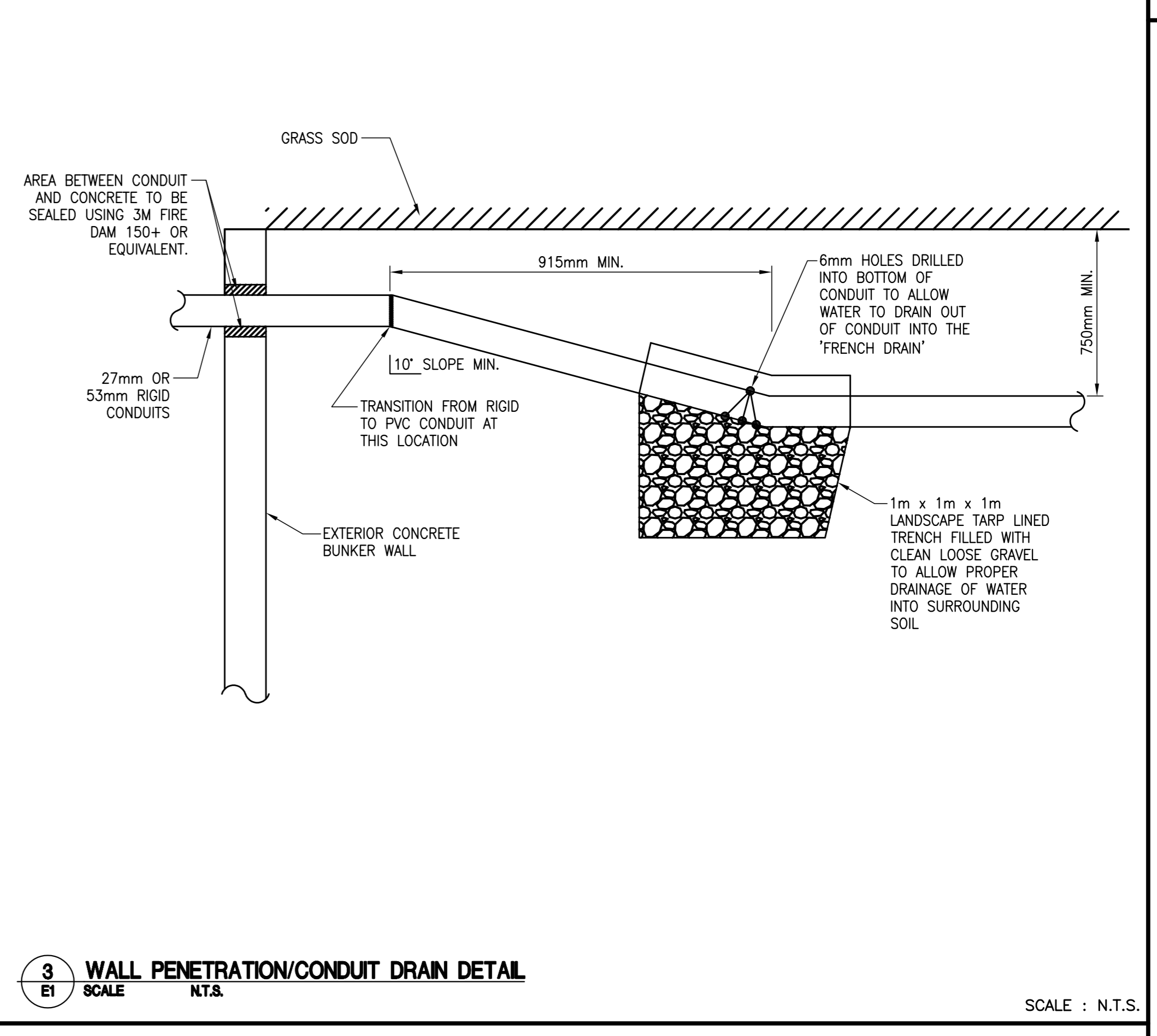
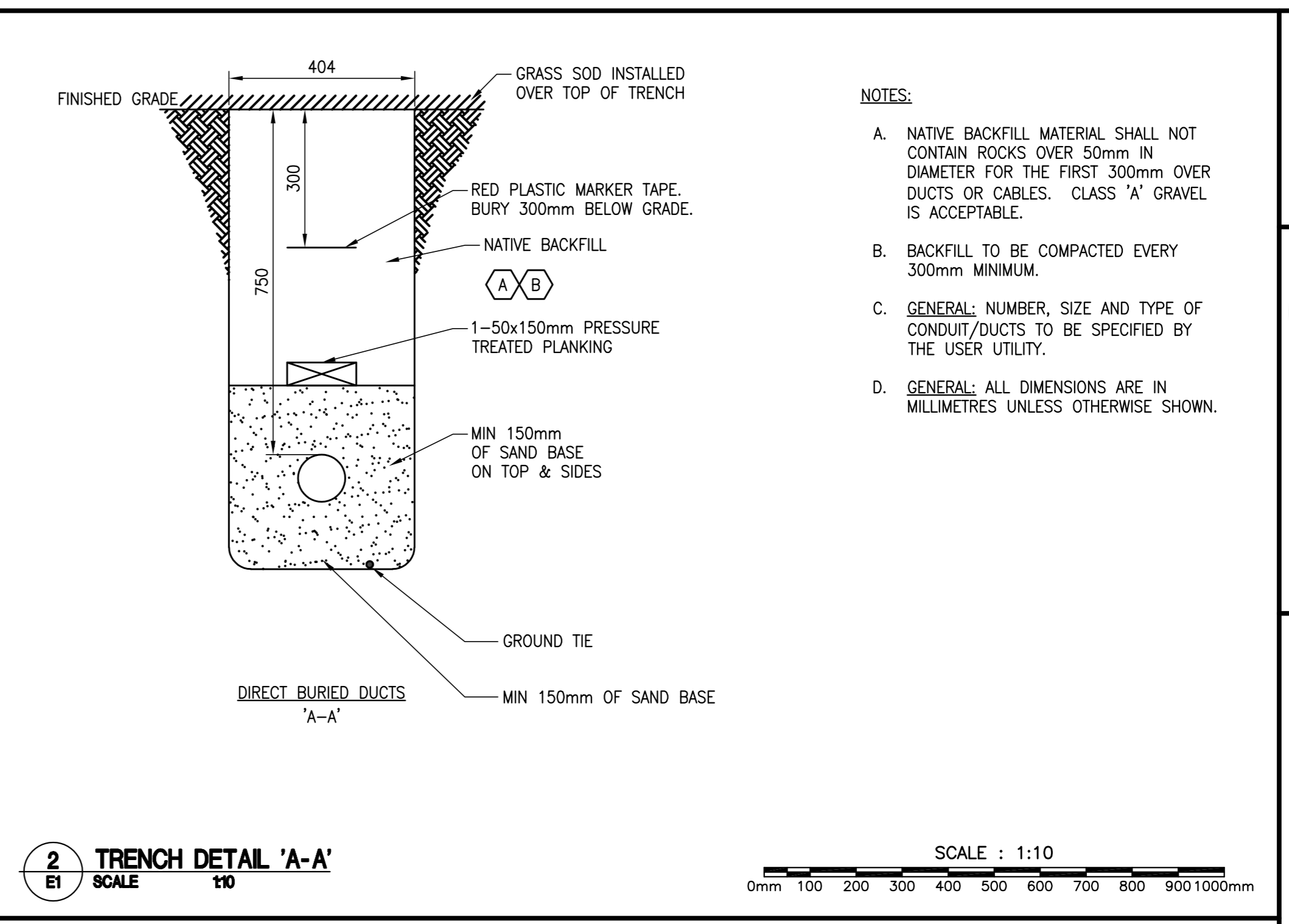
**UNDERGROUND BUNKER  
DETAILS**

designed DP	conçu
date	AUGUST 2016
drawn MN	dessiné
date	AUGUST 2016
approved DP	approuvé
date	AUGUST 2016
Tender JN	Soumission
PWGSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
<b>738</b>	
drawing no.	no. du dessin
<b>C-4</b>	

SYMBOL		LEGEND	
		WIRING AND CONDUIT OR DUCT UNDER SLAB OR UNDERGROUND.	
		HEAVY DUTY 600V 1Ø DISCONNECT. "200" INDICATES DISCONNECT SIZE 200 AMPS, "200F" INDICATES FUSE SIZE.	
		SURFACE MOUNTED PANELBOARD.	
		3Ø 600V DUPLEX PUMP SUPPLIED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR.	
NOTES			
1. CONTRACTOR TO HAND DIG IN AREAS INDICATED TO ENSURE NO DISRUPTION OF EXISTING SERVICES (WATER AND ELECTRICAL). COORDINATE WITH ALL PARTIES INVOLVED.			
2. 3#3/0 CU, #4 BND IN 53mm PVC CONDUIT.			
3. CONDUIT TO BE ROUTED PAST THE TEEPEE AND THROUGH THE PATH BETWEEN THE TREES TO THE HABITATION BUILDING.			
4. PENETRATION THROUGH WALL TO BE PROPERLY SEALED FOR WATER, ETC. SEE DETAIL 3 ON THIS DRAWING.			
5. CONDUIT TO STUB INTO HABITATION BUILDING BASEMENT ELECTRICAL ROOM ADJACENT TO EXISTING TWO 53mm RIGID CONDUITS AND COIL 6m OF CABLE AT CEILING (C/W TAPED ENDS), FOR CONNECTION UNDER SEPARATE CONTRACT. CABLE MUST BE TESTED FOR CONTINUITY AND INSULATION - RESULTS TO BE SUBMITTED FOR REVIEW.			
6. SUPPLY AND INSTALL A 200A, 600V, 1PH HEAVY DUTY FUSED DISCONNECT SWITCH C/W 200A FUSES CONNECTED TO EXISTING MAIN 600V 3PH SPLITTER (NORMAL POWER) WITHIN BUNKER. INSTALL ON SOUTH END OF EAST WALL ADJACENT TO MAIN FIRE PUMP BREAKER C/W 3#3/0 IN 53mm RIGID STEEL CONDUIT (TRANSITION TO PVC OUTSIDE OF THE BUILDING). PROVIDE ALL REQUIRED LUGS (NEUTRAL REQUIRED). DISCONNECT TO BE LOCKED OUT UPON COMPLETION OF CONTRACT.			
7. PROVIDE 15A, 600V, 3P BREAKER IN EXISTING PANEL EM1 (SQUARE D) C/W MOUNTING HARDWARE TO FEED NEW DUPLEX PUMP CONTROLLER. COORDINATE EXACT LOCATION OF CONTROL PANEL. PROVIDE 4#10 IN 27mm CONDUIT (STRANDED TYPE TEW OR EQUAL).			
8. GENERAL: LOCATIONS OF ALL EXISTING UNDERGROUND SERVICES TO BE CONFIRMED BY CONTRACTOR.			



**1**  
E1  
SCALE 1200  
ELECTRICAL SITE PLAN



CONSULTING ENGINEERS AND SCIENTISTS

Consultants Ltd.

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0	ISSUED FOR TENDER	AUGUST 2016
revisions		date
project	project	
<b>PARKS CANADA AGENCY RENEWAL PROJECT – FIRE SUPPRESSION BUNKER PORT ROYAL NATIONAL HISTORIC SITE</b>		
drawing	design	
<b>ELECTRICAL PLAN</b>		
designed SC	conçu	
date AUGUST 2016	date	
drawn WG	dessiné	
date AUGUST 2016	date	
approved TM	approuvé	
date AUGUST 2016	date	
Tender JN	Soumission	
PWGSC Project Manager	Administrateur de projets TPSGC	
project number	no. du projet	
<b>738</b>		
drawing no.	no. du dessin	
<b>E1</b>		