



Parks
Canada

Parcs
Canada

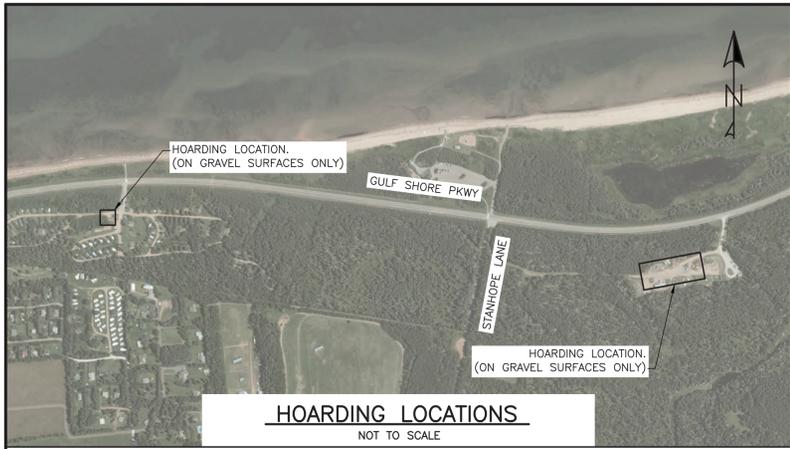
PRINCE EDWARD ISLAND NATIONAL PARK STANHOPE CAMPGROUND SANITARY SYSTEM UPGRADES PRINCE EDWARD ISLAND CANADA

ISSUED FOR TENDER
133347759

PROJECT NO. 1427

DRAWING LIST	
NO.	TITLE
C-01	PROPOSED SITE PLAN
C-02	PLAN AND PROFILE, STA. 0+000 TO STA. 0+400
C-03	PLAN AND PROFILE, STA. 0+400 TO STA. 0+720
C-04	PLAN AND PROFILE, STA. 0+720 TO STA. 1+044
C-05	DETAILS
E-01	ELECTRICAL DETAILS





HOARDING LOCATIONS
NOT TO SCALE



Parks Canada

Stantec Consulting Ltd.
165 Maple Hills Avenue
Charlottetown PE
C1C 1N9
Tel. (902) 566-2866
Fax. (902) 566-2004
www.stantec.com

LEGEND

- SITE SIGNAGE (EXISTING)
- |- GATE VALVE (EXISTING)
- ⊙ PP UTILITY POLE (EXISTING)
- ⊙ SAN SANITARY MANHOLE (EXISTING)
- SAN SANITARY LINE (EXISTING)
- TREELINE
- - - DITCH Ⓞ (EXISTING)
- SHOULDER
- EDGE OF ASPHALT
- ROAD Ⓞ

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. TOPOGRAPHIC SURVEY COMPLETED BY STANTEC, MAY 24, 2017.
3. THE CONTRACTOR MUST CHECK AND VERIFY DIMENSIONS, OBTAIN ALL UTILITY LOCATES AND OBTAIN ALL REQUIRED PERMITS/LICENSES AND VERIFY ELEVATIONS OF EXISTING SERVICES BEFORE PROCEEDING WITH ANY WORK.
4. ALL CONSTRUCTION WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS (LATEST EDITION).
5. THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL DAMAGED AND/OR DISTURBED PROPERTY TO THE SATISFACTION OF THE OWNER.
6. IF SAFE EXCAVATION SLOPES ARE NOT ACHIEVABLE DUE TO SPACE CONSTRAINTS, SHORING FOR THE EXCAVATIONS SHALL BE USED. SHORING MAY CONSIST OF SHEET PILE WITH BRACING (WHALERS AND RAKERS), PORTABLE SLIDE RAIL SYSTEMS, OR OTHER SUCH METHODS AT THE CONTRACTOR'S EXPENSE. NO EXTRA CHARGES WILL BE PERMITTED FOR WORKING WITH LOOSE OR WET MATERIAL.
7. THE CONTRACTOR MUST FOLLOW THE REQUIREMENTS OF THE ARCHAEOLOGICAL OVERVIEW ASSESSMENT (AOA) AND THE ARCHAEOLOGICAL IMPACT ASSESSMENT (AIA) PREPARED BY PCA.
8. ALL ASPHALT CROSSINGS SHALL BE DIRECTIONAL DRILLED, NO OPEN CUT PERMITTED.
9. DECOMMISSIONING OF EXISTING INFRASTRUCTURE SHALL INCLUDE REMOVAL OF ALL MATERIAL FROM THE SITE AND THE AREA REINSTATED.
10. ALL FORCEMAIN BENDS TO BE COMPLETE WITH MECHANICAL JOINT RESTRAINTS.
11. NO OPEN TRENCHES SHALL BE PERMITTED OVERNIGHT.
12. IT IS EXPECTED THAT THE EXISTING 50mm WATERMAIN TO THE BEACH SITE AND THE 19mm RETURN WILL CONFLICT WITH THE PROPOSED INFRASTRUCTURE IN SOME LOCATIONS. A PROVISIONAL ITEM HAS BEEN INCLUDED IN THE BID FORM FOR REPLACEMENT OF THE EXISTING WATER SERVICE AND RETURN LINE.
13. THE EXISTING 200mm SANITARY MAIN IS ASBESTOS CONCRETE (AC). REMOVAL OF EXISTING AC SEWER SHALL BE BY PERSONNEL WITH ASBESTOS ABATEMENT AND REMOVAL CERTIFICATION. CONTRACTOR SHALL PROVIDE PROOF OF CERTIFICATION BEFORE BEGINNING WORK.
14. THE CAMPGROUND FACILITIES WILL NOT BE AVAILABLE AT THE TIME OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING WATER AND WASTEWATER SERVICES AS REQUIRED DURING CONSTRUCTION.

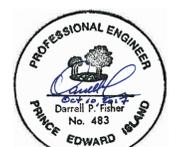
1	ISSUED FOR TENDER	OCT 10 2017
revisions		date
project	STANHOPE CAMPGROUND SANITARY SYSTEM UPGRADES	
drawing	PROPOSED SITE PLAN	
designed B.W.	conqu	
date	JUN. 23, 2017	
drawn S.A.	dessiné	
date	JUN. 23, 2017	
approved D.F.	approuvé	
date	JUN. 23, 2017	
Tender	Soumission	
PWSC Project Manager	Administrateur de projets TPSC	
project number	no. du projet	
	133347759	
drawing no.	no. du dessin	
	C-01	

PWSC B1 (2004) E-DRM/GDD-E: ###

LEGEND

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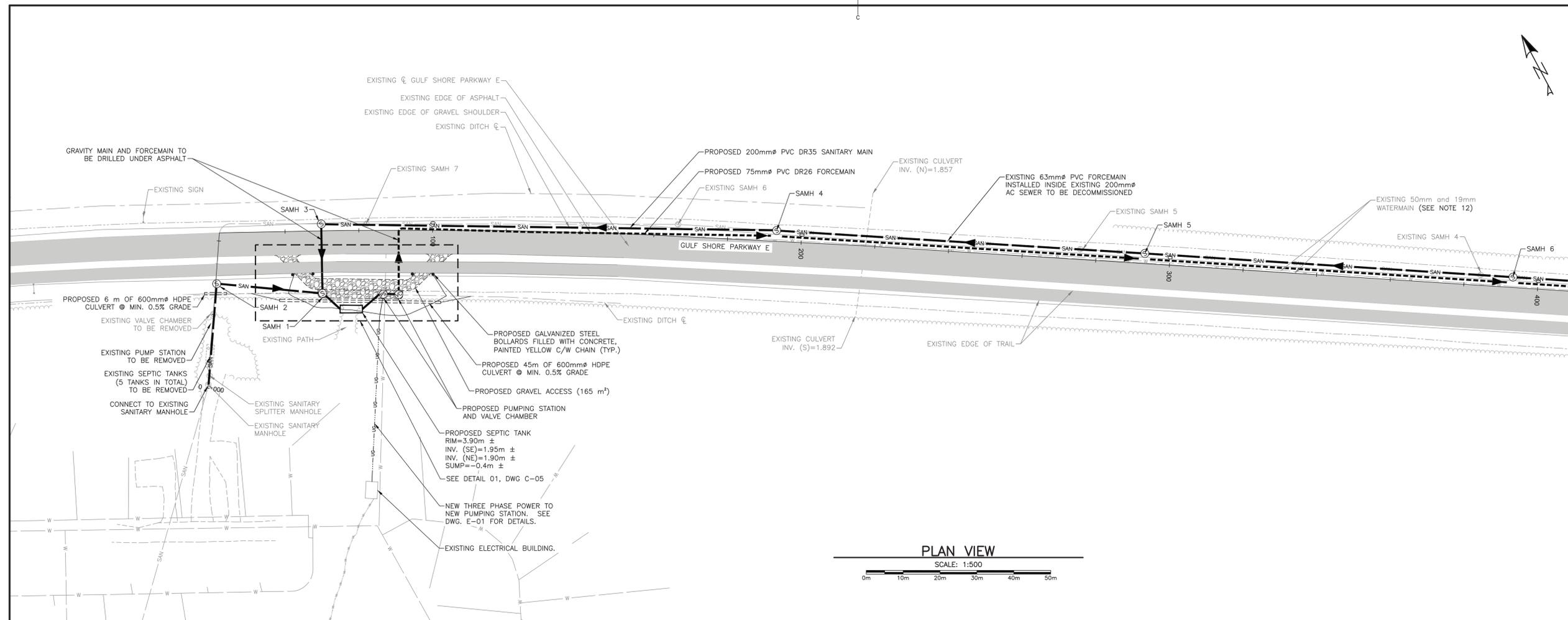


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revisions		date

STANHOPE CAMPGROUND SANITARY SYSTEM UPGRADES

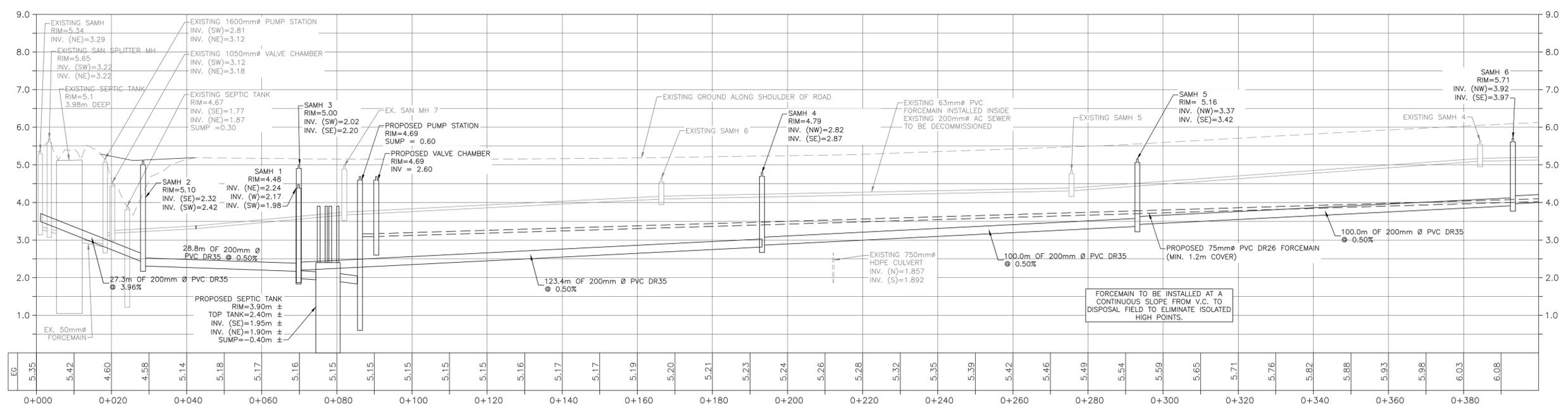
PLAN AND PROFILE STA. 0+000 TO STA. 0+400

designed B.W.	conqu
date	SEP. 08, 2017
drawn M.O.	dessiné
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Tender	Soumission
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C-02	



PLAN VIEW

SCALE: 1:500



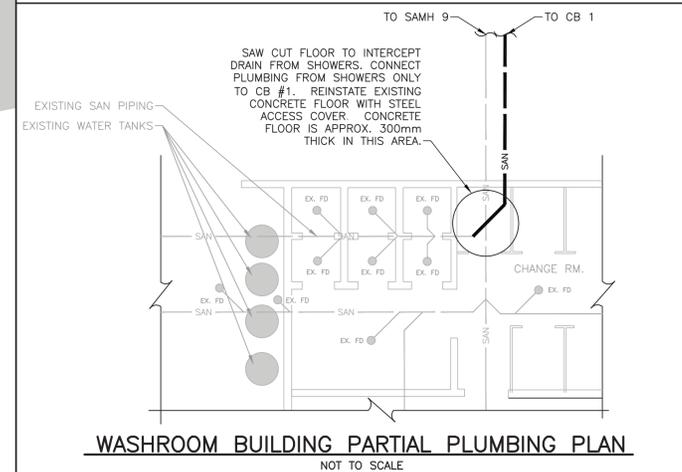
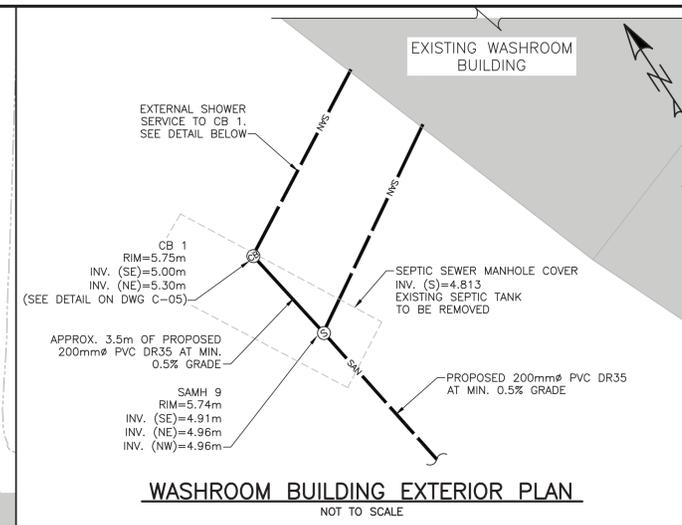
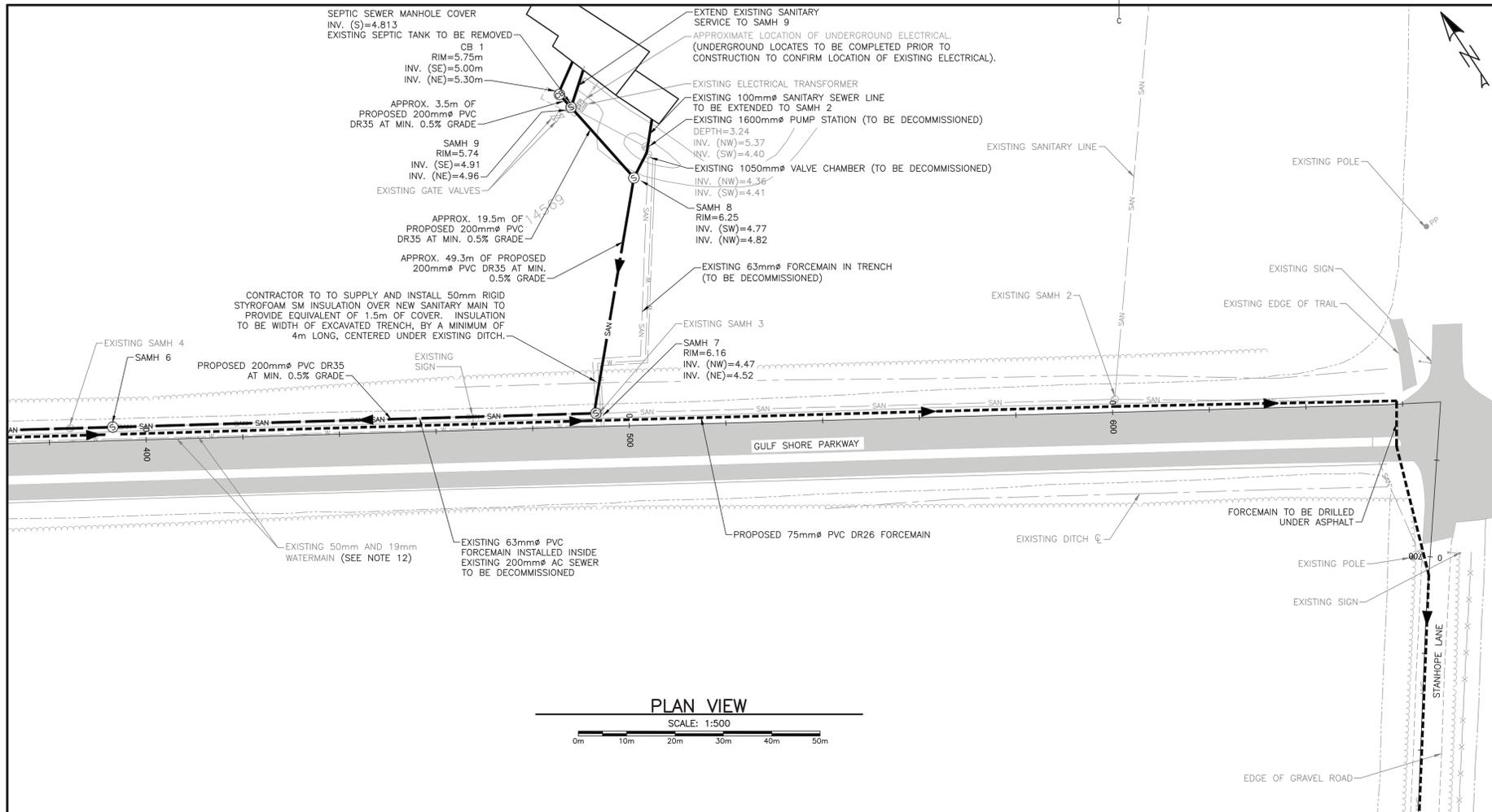
PROFILE VIEW

HORIZONTAL SCALE: 1:500

VERTICAL SCALE: 1:50



- NOTES:**
- FOR CLARITY, PROPOSED MH 8 AND PROPOSED MH 9 NOT SHOWN IN PROFILE.



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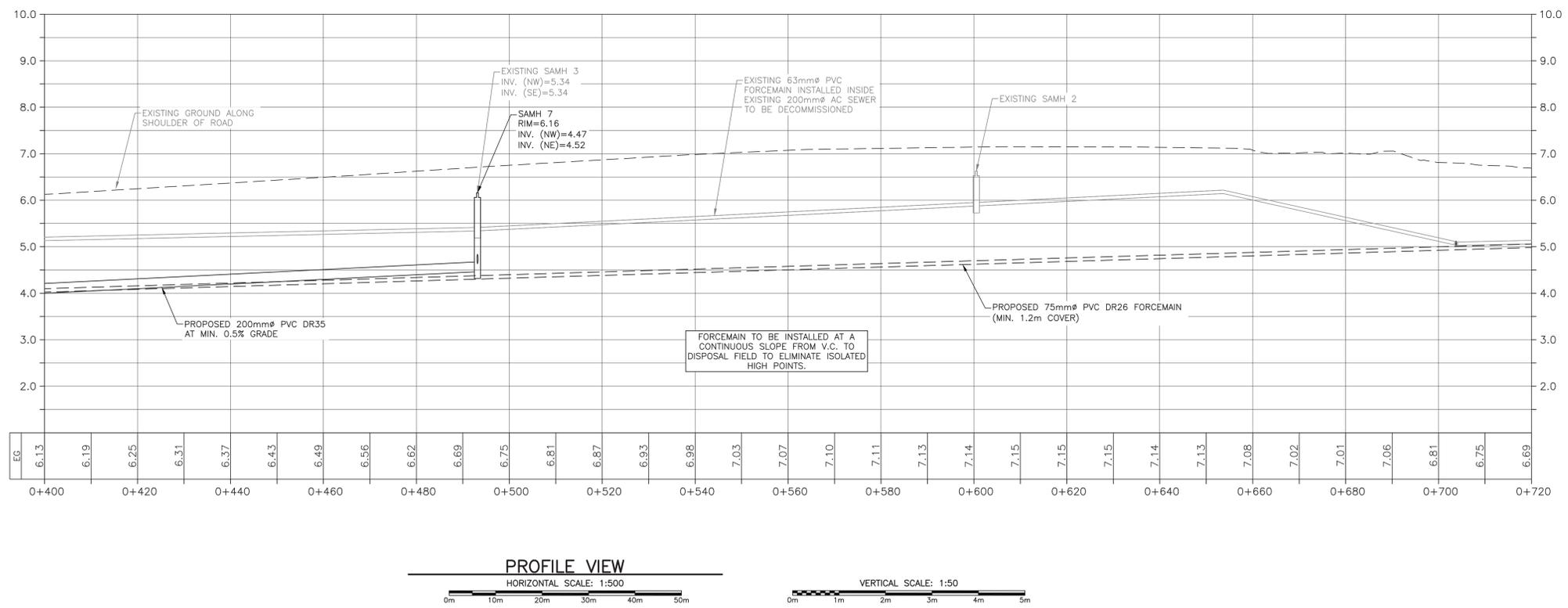
1	ISSUED FOR TENDER	OCT 10 2017
revisions		date
project		project

STANHOPE CAMPGROUND SANITARY SYSTEM UPGRADES

PLAN AND PROFILE STA. 0+400 TO STA. 0+720

designed B.W.	conqu
date SEP. 08, 2017	
drawn M.O.	dessiné
date SEP. 08, 2017	
approved D.F.	approuvé
date SEP. 08, 2017	
Tender	Soumission

PWSCS Project Manager	Administrateur de projets IPSGC
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133347759	
drawing no.	no. du dessin
C-03	





Stantec
 Stantec Consulting Ltd.
 165 Maple Hills Avenue
 Charlottetown PE
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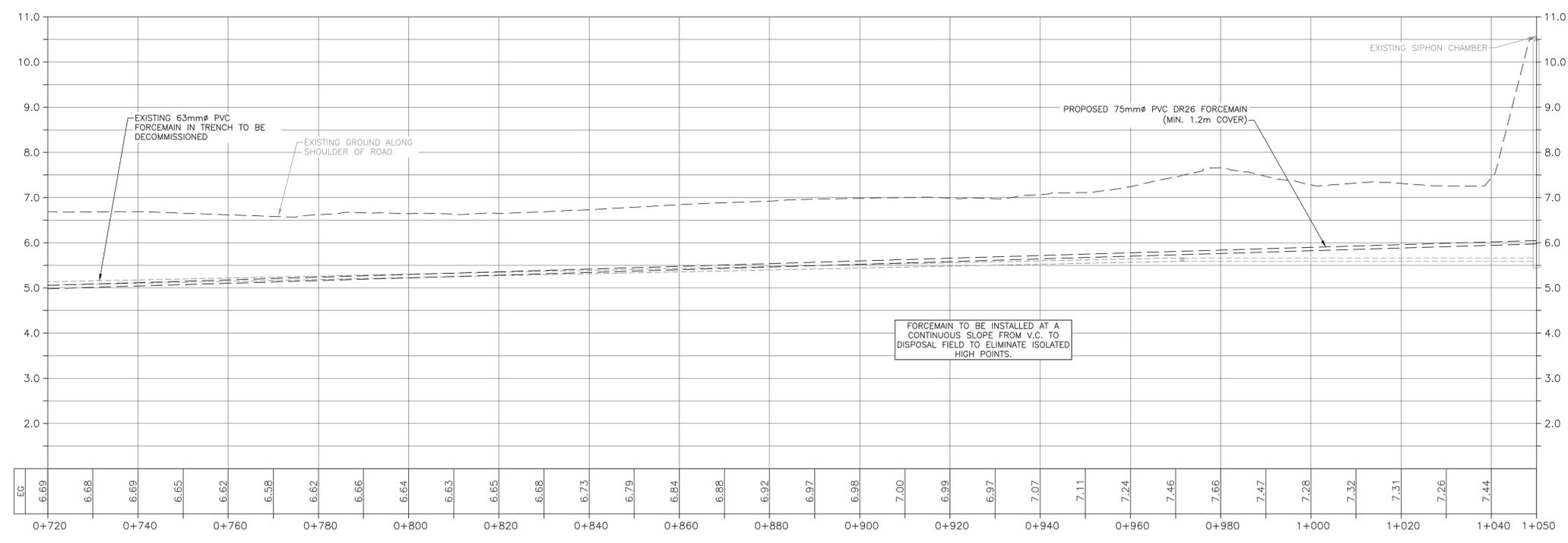
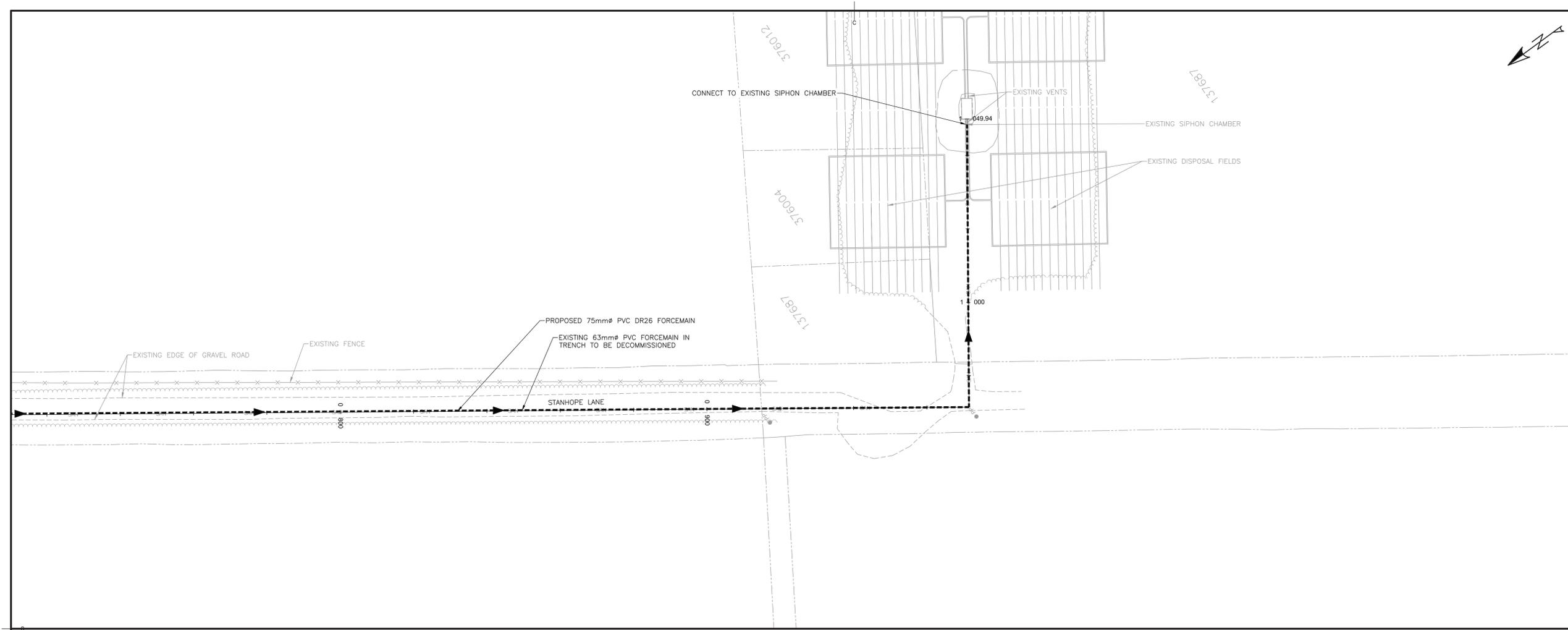
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STANHOPE CAMPGROUND SANITARY SYSTEM UPGRADES

PLAN AND PROFILE STA. 0+720 TO STA. 1+044

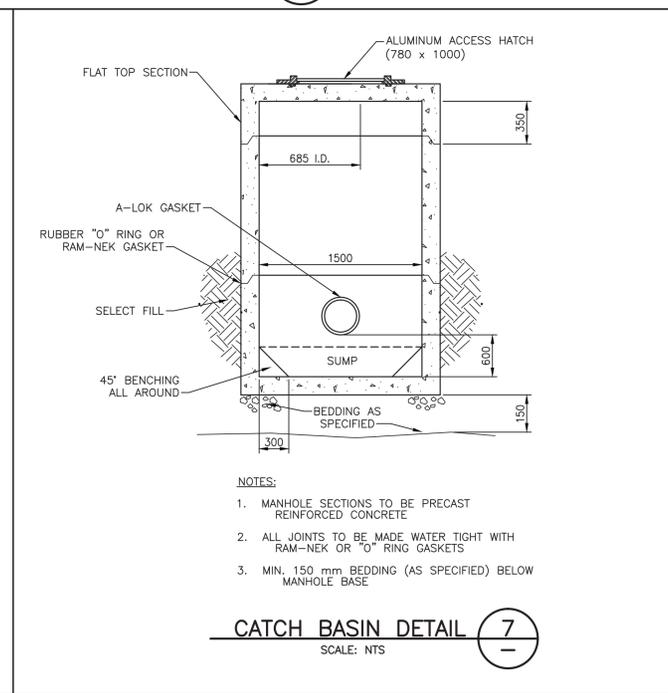
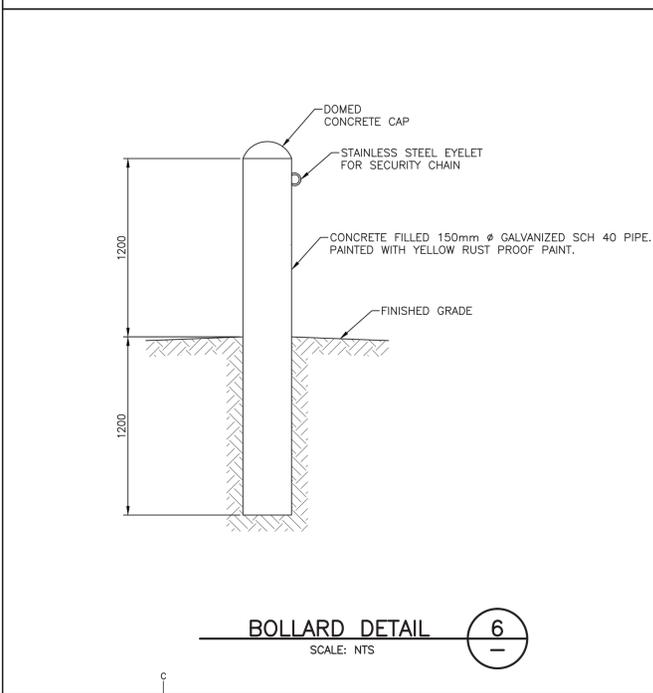
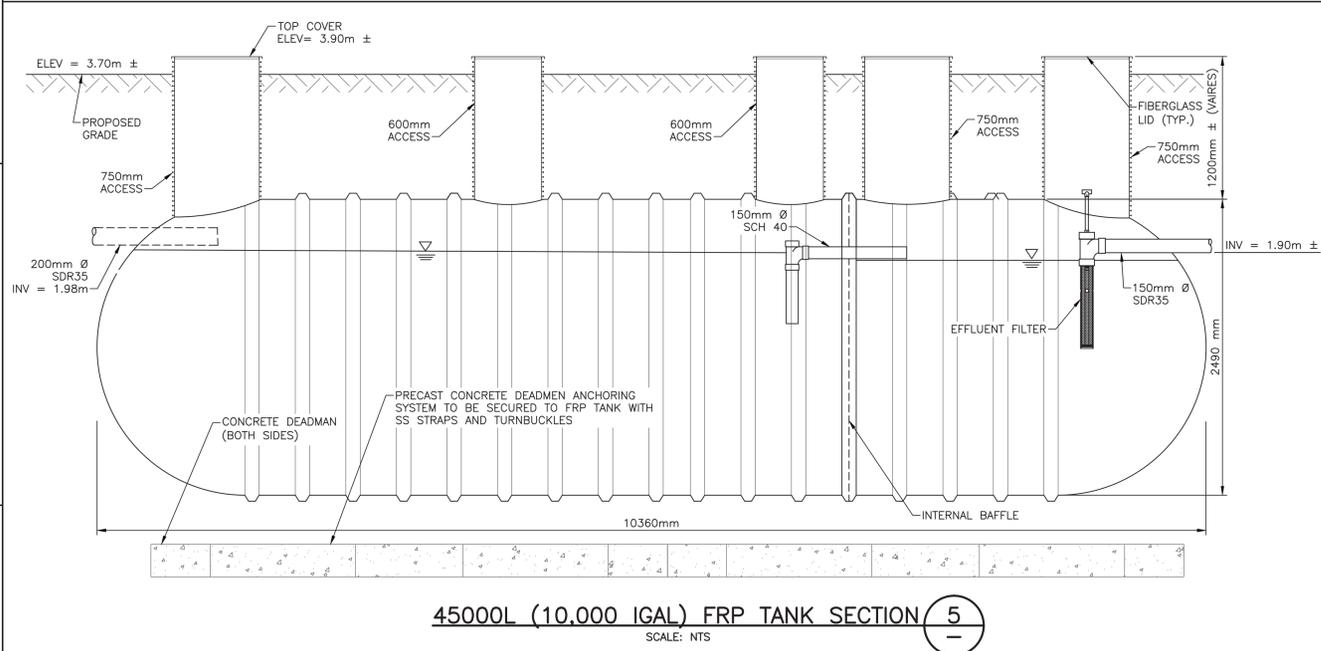
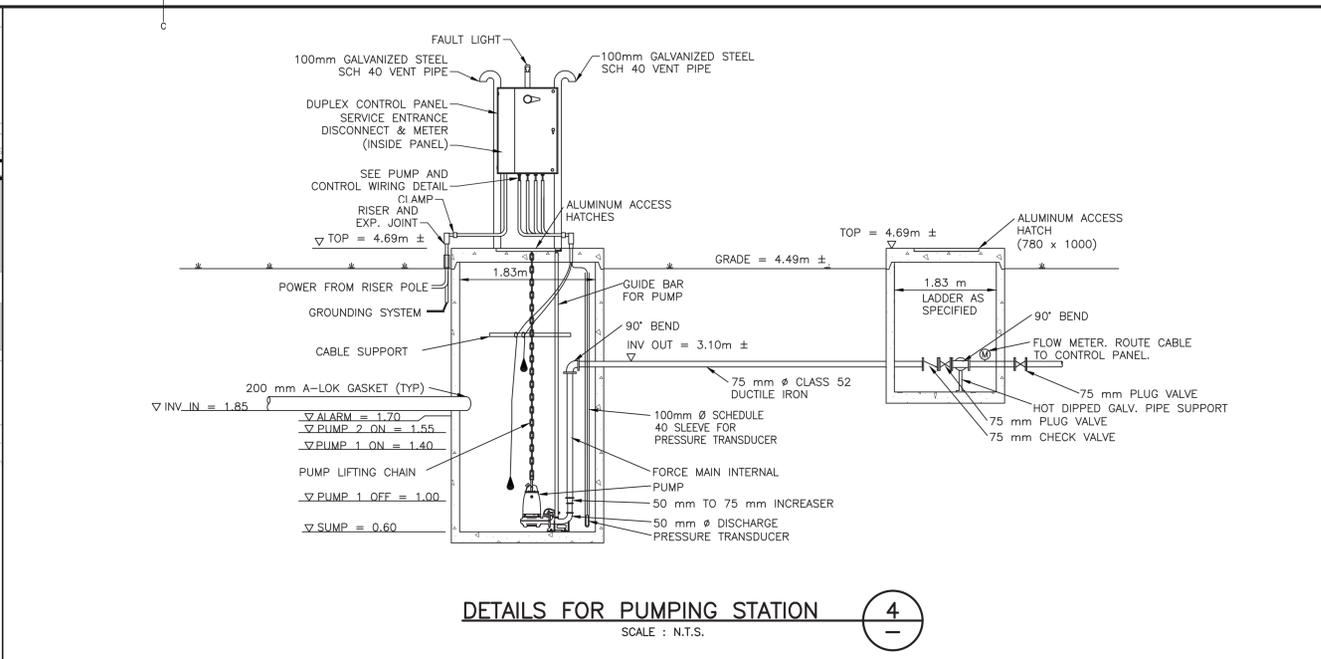
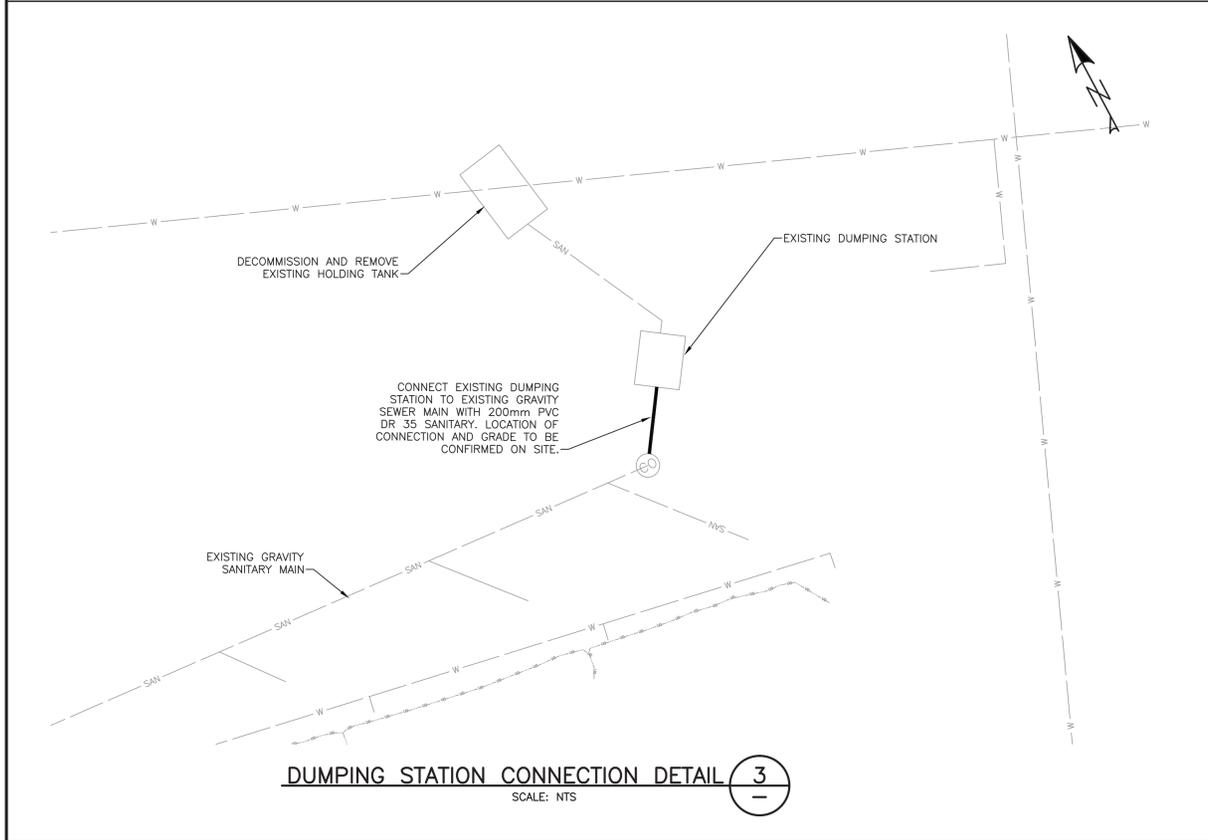
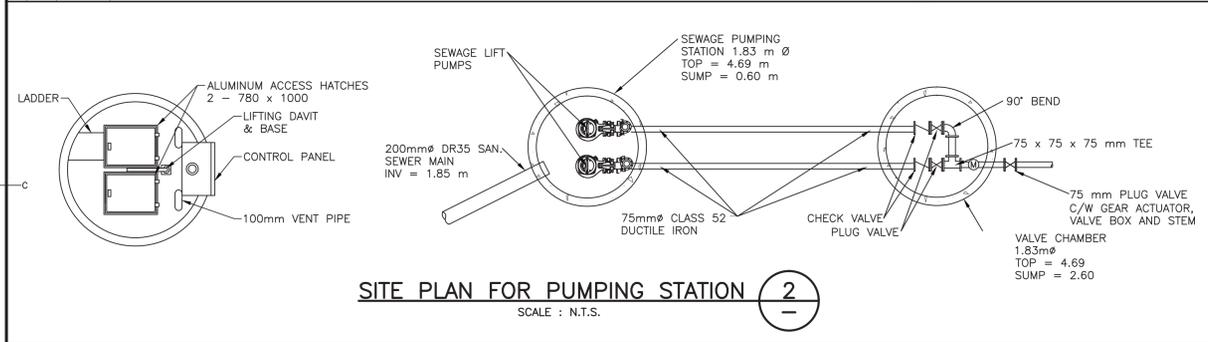
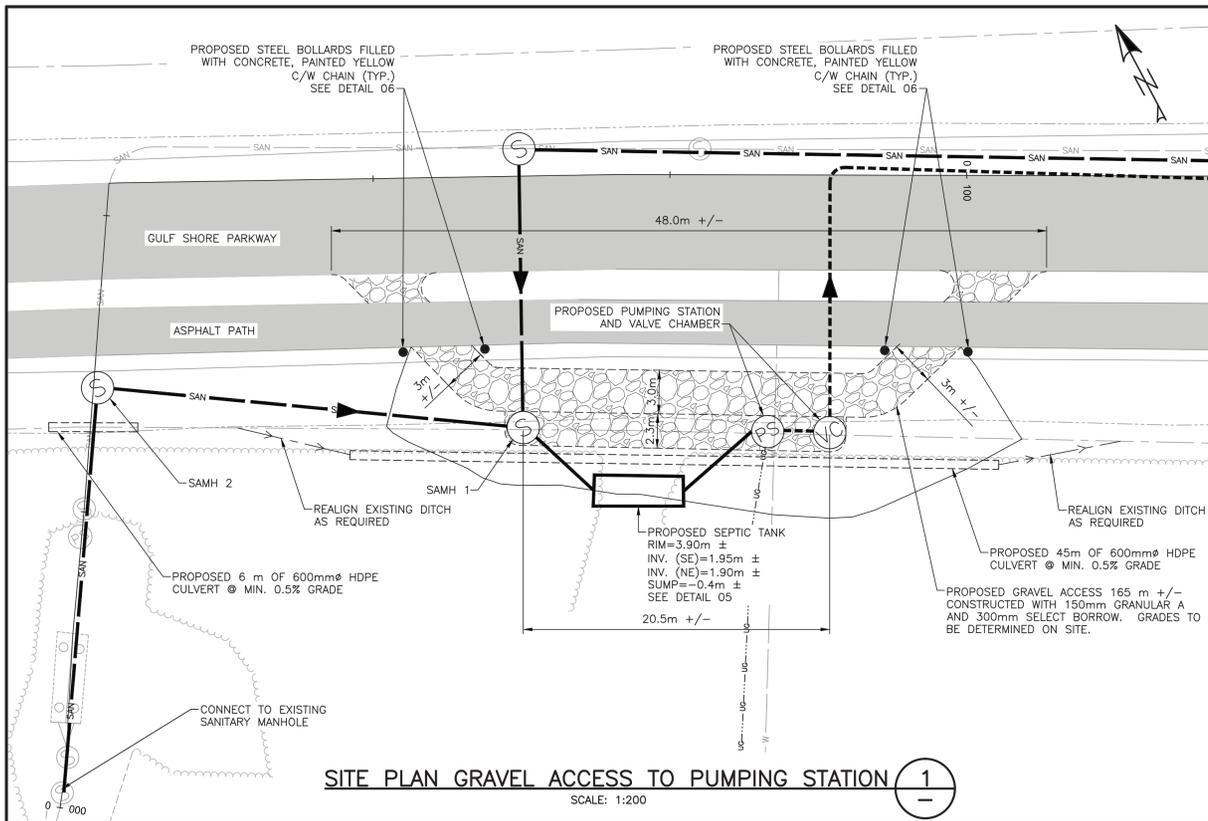
designed B.W.	conqu
date	SEP. 08, 2017
drawn	M.O.
date	SEP. 08, 2017
approved D.F.	approved
date	SEP. 08, 2017
Tender	Submission

PWSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
133347759	
drawing no.	no. du dessin
C-04	



FORCEMAIN TO BE INSTALLED AT A CONTINUOUS SLOPE FROM V.C. TO DISPOSAL FIELD TO ELIMINATE ISOLATED HIGH POINTS.





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PWGSC Project Manager	Administrateur de projets TPSGC	no. du projet
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	C-05	

E-DRM/gdd-E: ###

ELECTRICAL KEY NOTES

- 1 REFER TO SPECIFICATION AND PUMP STATION SUPPLIER ELECTRICAL DRAWINGS FOR MORE DETAIL.
- 2 ENSURE GAS TIGHT SEAL BY CAULKING AROUND MULTIPLE CONTROL CABLES.
- 3 REMOVE EXISTING 60A ENCLOSED BREAKER AND REPLACE WITH 20A ENCLOSED BREAKER FOR 600V FEEDER TO NEW PUMPING STATION.
- 4 INSTALL NEW 3C #12 AWG DIRECT BURIED TECK CABLE FROM NEW 20A BREAKER IN ELECTRICAL BUILDING TO NEW PUMPING STATION CONTROL PANEL LOCATION.
- 5 CHAMFER INSIDE CUT EDGE OF CONDUITS 2MM.
- 6 EXPANSION JOINTS SHALL BE USED FOR ALL CONDUITS WHEN PENETRATING GROUND SURFACE.
- 7 EYE FITTINGS AND GAS TIGHT SEALS SHALL BE USED FOR ALL MOTOR/CONTROL CABLES AT THE CONNECTION TO THE CONTROL PANEL.
- 8 CONTROL PANEL, DISCONNECT, DEVICES AND DEVICE CABLES PROVIDED BY PUMP STATION SUPPLIER. INSTALLATION BY ELECTRICAL CONTRACTOR.

ELECTRICAL GENERAL NOTES

- 1. UNDERGROUND ELECTRICAL SERVICES INDICATED ON DRAWINGS ARE DIAGRAMMATIC TO INDICATE GENERAL TRENCHING AND CABLE ROUTING DIRECTION. FINAL LOCATIONS FOR TRENCHING AND INSTALLATION OF CABLES SHALL BE DETERMINED ON SITE TO MEET SITE SPECIFIC REQUIREMENTS AND TO AVOID CONFLICT WITH OTHER SERVICES. REFER TO SECTION DETAILS IN THIS DRAWING PACKAGE FOR TRENCHING DEPTHS AND REQUIRED SPACING OF FEEDERS WITHIN.
- 2. COORDINATE FINAL INSTALLATION LOCATION OF ELECTRICAL EQUIPMENT AND DEVICES ON SITE WITH OWNER'S REPRESENTATIVE AND ALL OTHER ASSOCIATED TRADES.
- 3. ALL DRAWINGS IN THIS PACKAGE ARE TO BE READ IN CONJUNCTION WITH THE DRAWINGS AND SPECIFICATIONS OF ALL OTHER TRADES.
- 4. ALL MATERIAL AND WORK TO REQUIREMENTS OF PEI ELECTRICAL INSPECTION AND MECL.

ELECTRICAL LEGEND

- DIRECT CONNECTION
- FLOAT SWITCH
- LEVEL SENSOR SWITCH
- FLOW METER

NOTES

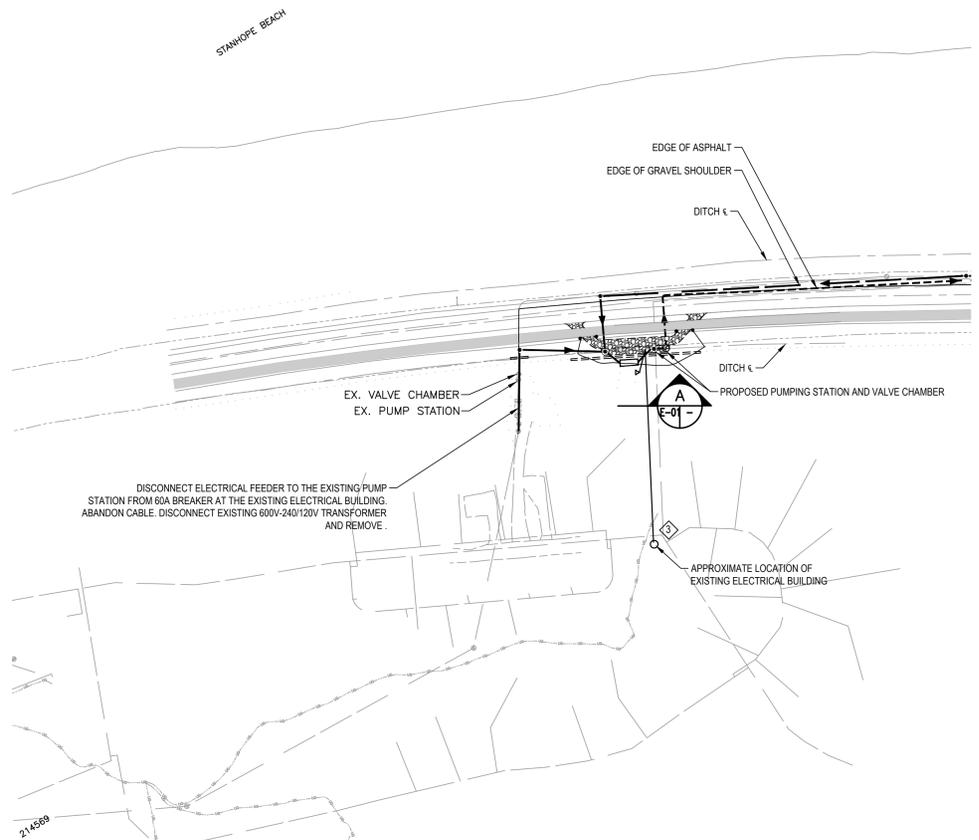
THE ASSOCIATION OF PROFESSIONAL ENGINEERS OF THE PROVINCE OF PRINCE EDWARD ISLAND
VALID FOR THE YEAR 2017
Robert Dumaresca
RM Dumaresca
No. 1603
DATE: Oct 10/2017
LICENSED PROFESSIONAL ENGINEER
PROVINCE OF PRINCE EDWARD ISLAND

1	ISSUED FOR TENDER	OCT. 10 2017
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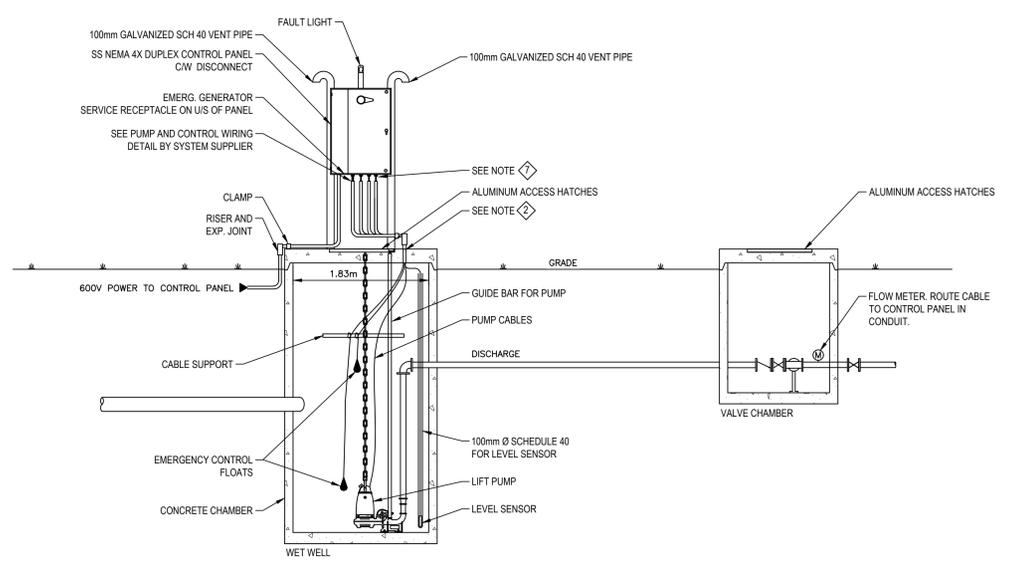
project **STANHOPE CAMPGROUND SANITARY SYSTEM UPGRADES** project

drawing **ELECTRICAL DETAILS** dessin

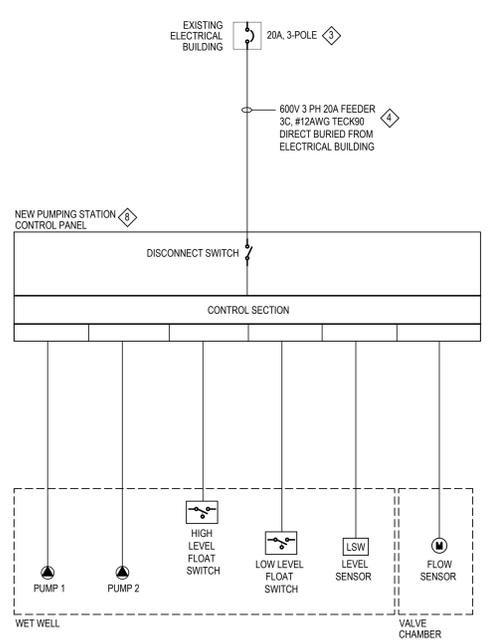
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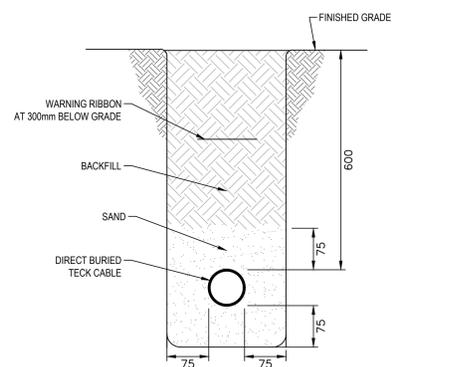
PUMPING STATION SITE DETAILS (1)
SCALE : N.T.S.



ELECTRICAL DETAILS FOR PUMPING STATION (2)
SCALE : N.T.S.



PUMPING STATION SINGLE LINE DIAGRAM (3)
SCALE : N.T.S.



ELECTRICAL TRENCH SECTION (A)
SCALE : N.T.S.