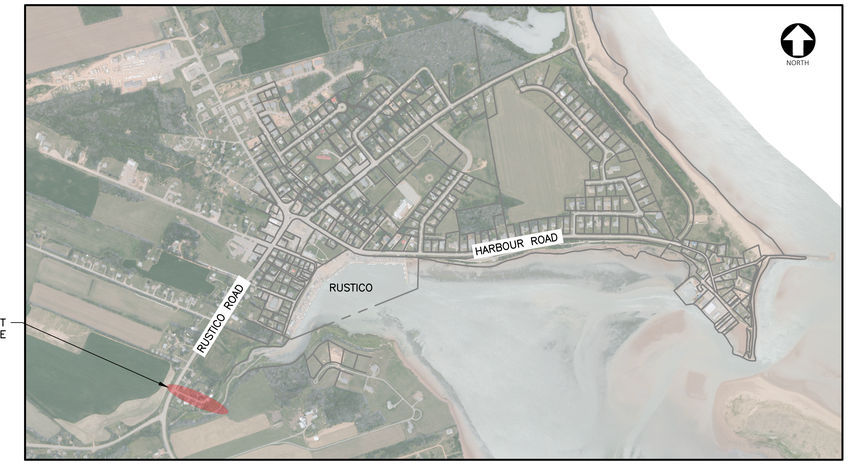
Contract No. 262649.00

TOWN OF NORTH RUSTICO

Sheet List Table

Sheet Number	Sheet Title
--	COVER
C01	PLAN & PROFILE STA. 0+000 TO STA. 0+130
C02	DETAILS

POND STREET WATER LINE REPLACEMENT



N.T.S.

CBCL
201-135 ST. PETERS RD
CHARLOTTETOWN PE C1A 7N4

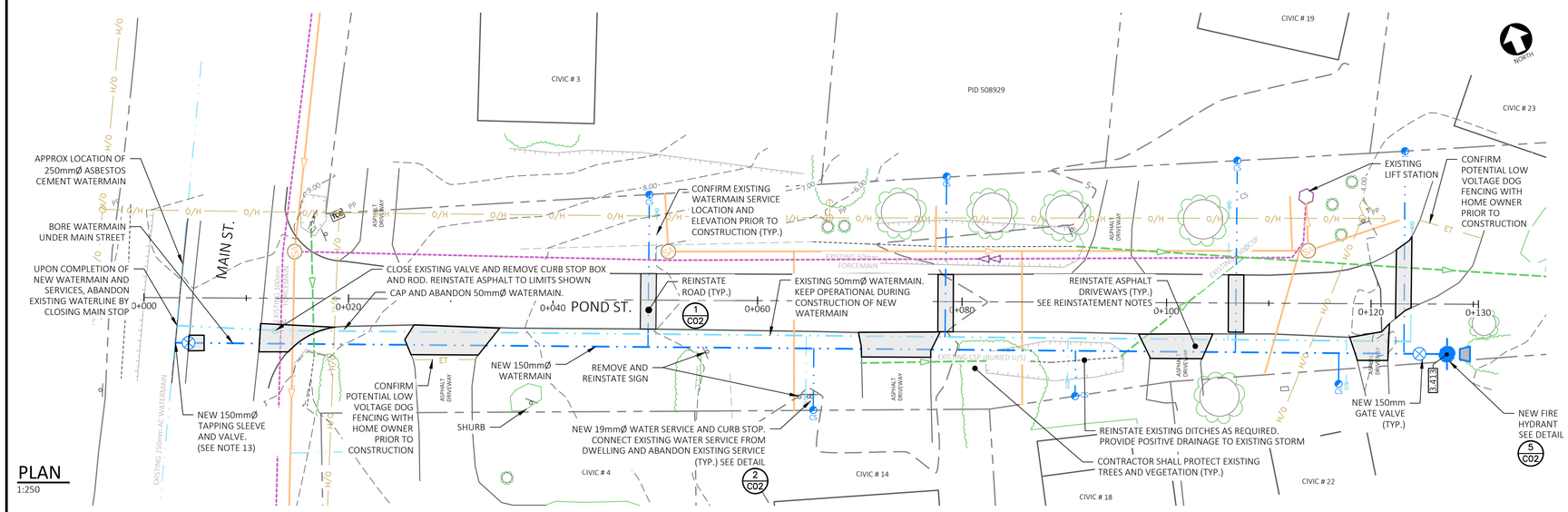
Project No. 262649.00

NORTH RUSTICO, P.E.I.
COMMUNITY BY THE SEA

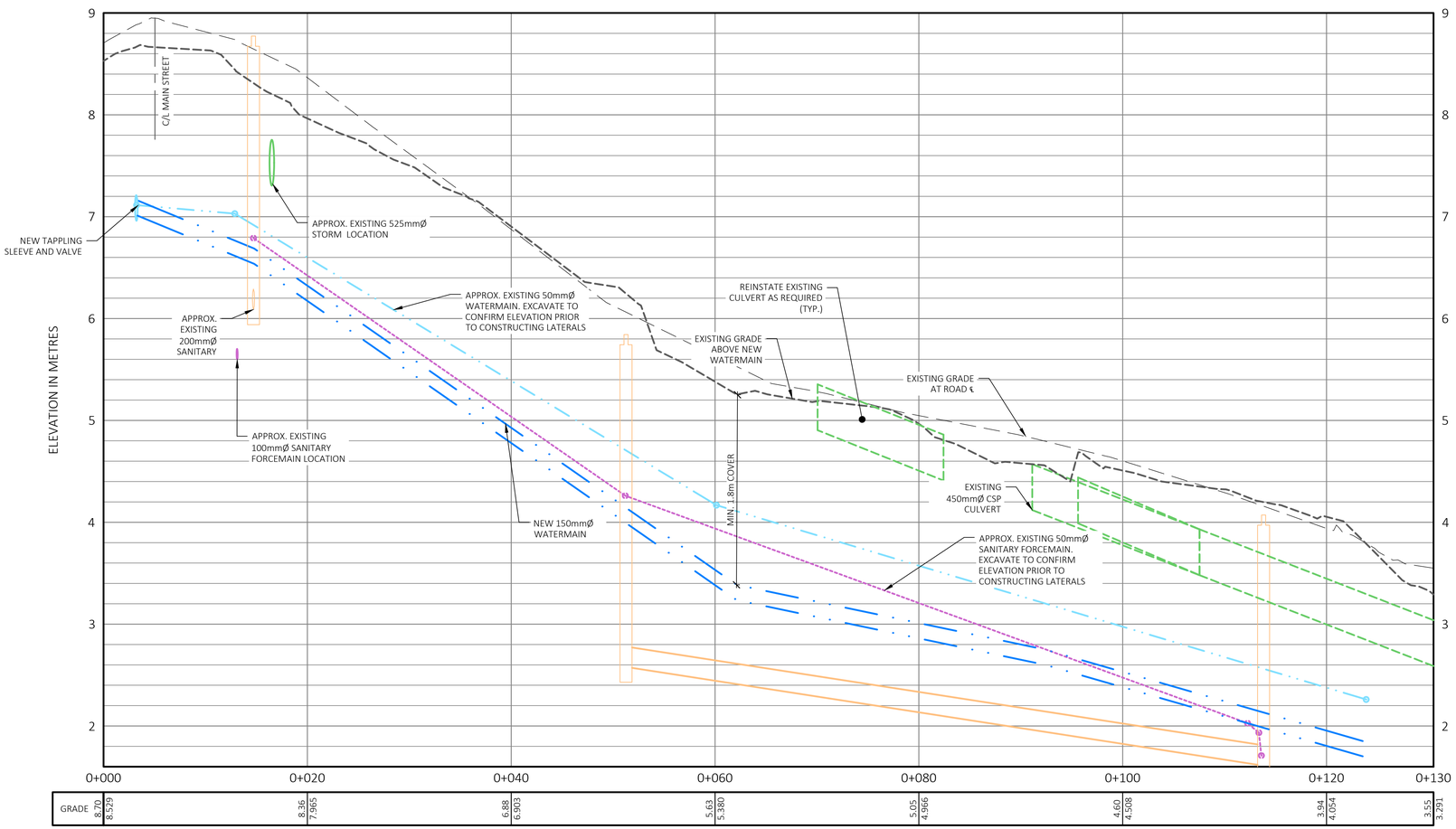
ISSUED FOR TENDER

SEPTEMBER 09, 2026

DRAWING NAME: Y:\CHARLOTTETOWN\DATA\PROJECTS\2026\262649.00 NORTH RUSTICO - POND STREET WATER LINE\44 CAD\01 CIVIL\03 DRAWING SHEETS\262649.00 COVER.DWG LAYOUT NAME: COVER PLOT DATE: September 9, 2026 10:41:31 AM CAD OPERATOR: CWILSON



PLAN
1:250



PROFILE
1:250 H 1:25 V

NOTES

1. THIS PLAN IS METRIC AND ALL DISTANCES ARE IN METRES UNLESS OTHERWISE NOTED
2. CONTRACTOR IS RESPONSIBLE FOR SETTING GRADES AND LAYOUT CONTROL.
3. EXISTING INFRASTRUCTURE SHOWN IS APPROXIMATE. EXACT LOCATIONS, DEPTHS ETC. TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
4. WHERE PROPOSED INFRASTRUCTURE REQUIRES CROSSING EXISTING CABLES, HIRE THE CORRESPONDING UTILITY TECHNICIAN TO BE ON SITE AT THE TIME OF EXCAVATION & BACKFILLING.
5. MAINTAIN A CLEAN WORK AREA THROUGHOUT THE DURATION OF THE WORK. CLEAN THE SITE AT THE END OF EACH DAY AND MAKE SAFE THE WORK AREA PRIOR TO LEAVING SITE.
6. REMOVE AND REINSTATE EXISTING FEATURES DISRUPTED DURING THE WORK.
7. MAKE GOOD ANY DAMAGES TO A CONDITION EQUAL TO OR BETTER THEN THE AS-FOUND CONDITION PRIOR TO THE START OF CONSTRUCTION TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE CONTRACT.
8. AT COMPLETION OF WORK, REINSTATE ALL DISTURBED SURFACES TO THE SATISFACTION OF THE ENGINEER.
9. ALL DEMOLISHED MATERIALS INCLUDING ASPHALT, VEGETATION, SURPLUS FILL, ETC. SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE; UNLESS SPECIFICALLY NOTED OTHERWISE. CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF SUCH IN ACCORDANCE WITH ALL APPLICABLE PROVINCIAL AND FEDERAL LAWS AND REGULATIONS.
10. DO NOT DEFLECT WATERMAIN MORE THAN 50% OF THE MANUFACTURER'S MAXIMUM RECOMMENDED DEFLECTION.
11. INSTALL THRUST BLOCKS ON ALL WATERMAIN FITTINGS AND HYDRANTS.
12. EXISTING 250mm WATERMAIN ON MAIN STREET IS BELIEVED TO BE ASBESTOS CEMENT PIPE. EXCAVATE TEST PIT AND CONFIRM PIPE SIZE AND MATERIAL PRIOR TO ARRANGING LIVE TAP. ALL WORK ON ASBESTOS PIPE SHALL BE IN ACCORDANCE WITH PROVINCIAL HEALTH AND SAFETY REQUIREMENTS.
13. MAINTAIN MIN 1.8m COVER OVER WATERMAIN AND SERVICES. MAINTAIN MINIMUM 450mm VERTICAL SEPARATION BETWEEN ALL UTILITIES.

REINSTATEMENT NOTES

1. REINSTATE DISTURBED SURFACES WITH MATERIALS AND THICKNESS TO MATCH EXISTING BUT IN NO CASE LESS THAN:

PAVED STREET
- 40mm ASPHALT SEAL B
- 60mm ASPHALT BASE A
- 150mm CLASS A GRAVEL
- 300mm SELECT BORROW

LANDSCAPED SURFACES
- SOD
- 150mm TOPSOIL

ASPHALT DRIVEWAYS
- 60mm ASPHALT SEAL C
- 150mm CLASS A GRAVEL
- 300mmSELECT BORROW

2. OFFSET JOINTS BETWEEN THE ASPHALT SEAL AND THE BASE LAYER BY MIN. 500mm.
3. COLD PLANE CONSTRUCTION JOINTS WHEN CONNECTING TO EXISTING ASPHALT AND PROVIDE 500mm (MIN) TRANSITION.

ENVIRONMENTAL NOTES

1. DO NOT REMOVE OR DISTURB VEGETATION OUTSIDE OF CONSTRUCTION LIMITS.
2. STABILIZE DISTURBED SURFACES AS SOON AS POSSIBLE.
3. ANY MUD OR DEBRIS THAT IS TRACKED ONTO THE PUBLIC ROADWAY MUST BE CLEANED OFF BY THE END OF EACH WORK DAY.
4. INSTALLATION OF ENVIRONMENTAL CONTROLS SHALL BE A FIRST STEP IN THE CONSTRUCTION SEQUENCE, AND THEIR DESIGN, INSTALLATION AND MAINTENANCE SHALL BE AS PER PEI DTI'S ENVIRONMENTAL PROTECTION PLAN (EPP) AND THE DETAILS PROVIDED ON THESE DRAWING.
5. ALL NECESSARY ENVIRONMENTAL CONTROLS SHALL BE IN PLACE PRIOR TO, DURING AND AFTER PROJECT ACTIVITIES UNTIL VEGETATION HAS BEEN ESTABLISHED TO AVOID OFFSITE SILTATION.
6. WORK SHOULD BE SCHEDULED TO AVOID PERIODS OF HEAVY PRECIPITATION. SHORT-TERM EROSION AND SEDIMENT CONTROL MEASURES (I.E. SILT FENCE, STRAW BALES, TEMPORARY MATTING, GEOTEXTILE FILTER FABRIC) MUST BE INSTALLED TO PREVENT SEDIMENT FROM ENTERING ANY ADJACENT WATERWAY. THESE STRUCTURES WILL REMAIN IN PLACE UNTIL VEGETATION HAS ESTABLISHED.
7. FILL MATERIAL USED IN CONSTRUCTION MUST BE COMMON OR SELECT BORROW IN ACCORDANCE WITH PEI DTI STANDARD SPECIFICATIONS.
8. ANY EXPOSED SOIL AREA MUST BE MINIMIZED BY LIMITING THE AREA THAT IS EXPOSED AT ONE TIME AND BY LIMITING THE TIME THAT ANY ONE AREA IS EXPOSED.
9. ALL STOCKPILED/EXCAVATED MATERIAL MUST BE CONTAINED AND/OR DYKED TO PREVENT EROSION OR RUNOFF CONTAINING SEDIMENT FROM LEAVING THE SITE.
10. AVOID DISTURBANCE OF VEGETATION AND NATURAL FEATURES WHERE POSSIBLE. ALL WORK IS TO BE CONFINED TO THE SITE LIMITS DELINEATED AND/OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
11. NO STAGING OF MATERIALS/EQUIPMENT WILL TAKE PLACE ON ANY ENVIRONMENTALLY SENSITIVE AREA. ALL STAGING AREA SITES, IF REQUIRED, WILL BE DETERMINED BY THE OWNER'S REPRESENTATIVE.
12. AN APPROPRIATELY SIZED EMERGENCY SPILL RESPONSE KIT SHALL BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
13. EROSION CONTROL MEASURES MUST BE CHECKED ON A REGULAR BASIS. A MINIMUM OF EVERY 7 DAYS OR IMMEDIATELY FOLLOWING A HEAVY RAINFALL EVENT.
14. UPON PROJECT COMPLETION, ALL BARREN SOIL SHALL BE STABILIZED WITH SOD.
15. FAILURE TO COMPLY WITH THE EROSION AND SEDIMENT CONTROL GUIDELINES OR REQUIREMENTS MAY RESULT IN A STOP WORK ORDER UNTIL CORRECTIVE ACTIONS HAVE BEEN IMPLEMENTED TO THE SATISFACTION OF THE APPROVING AUTHORITY.
16. FOLLOWING THE COMPLETION OF CONSTRUCTION AND ONCE THE SITE HAS BEEN STABILIZED, CONTRACTOR SHALL REMOVE ACCUMULATED SEDIMENT FROM ALL SEDIMENT CONTAINMENT AREAS AND STORM STRUCTURES.

SURVEY NOTES

1. THIS SURVEY WAS PERFORMED BY CBCL ON JULY 29, 2026.
2. ELEVATIONS ARE REFERENCED TO CANADIAN GEODETIC VERTICAL DATUM OF 2013 (CGVD2013) THROUGH REAL TIME KINEMATIC (RTK) AND/OR STATIC GNSS OBSERVATIONS USING GEOID MODEL CGG2013. ALL ELEVATIONS ARE EXPRESSED IN METRES. MON3944 HAS AN OBSERVED ELEVATION OF 26.047m IN CGVD 2013.
3. AZIMUTHS AND COORDINATES SHOWN ON THIS PLAN ARE BASED ON P.E.I. DOUBLE STEREOGRAPHIC PROJECTION WITH NAD83 (CSRS) REFERENCE SYSTEM, EPOCH 2010 AND DERIVED THROUGH REAL TIME KINEMATIC (RTK) AND/OR STATIC GNSS OBSERVATIONS REFERENCED FROM THE PRINCE EDWARD ISLAND ACTIVE CONTROL NETWORK (SMARTNET NORTH AMERICA). MON3944 HAS BEEN OBSERVED. OBSERVED COORDINATE VALUES ARE AS FOLLOWS: N=710864.1830 E=375694.4800
4. PROPERTY LINES DERIVED FROM PEI GIS DATA AND ARE APPROXIMATE ONLY.
5. SEE ALL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

LEGEND

EXISTING SYMBOL	DESCRIPTION OF SYMBOL	PROPOSED SYMBOL
SM SM	SILT FENCE	SM SM
	PROPERTY LINE	
	COORDINATE MONUMENT	
SN SN	ROAD SIGNS	SN SN
	TREE (HARDWOOD)	
	TREE (SOFTWOOD)	
X X	CHAINLINK FENCE	X X
	WOODEN FENCE	
	TOP OF SLOPE	
	BOTTOM OF SLOPE	
20.0	MAJOR CONTOUR	20.0
19.0	MINOR CONTOUR	19.0
× 19.0	SPOT ELEVATION	× 19.00
	WATERMAIN	
GV ARV	WATER VALVES	GV ARV
	WATERMAIN FITTINGS	
	FIRE HYDRANT	
	SANITARY SEWER	
	STORM SEWER	
	SANITARY FORCEMAIN	
ET	U/G POWER	ET
O/H	O/H POWER	O/H
UP	UTILITY POLE	UP
	LIGHT STANDARD	

NOT FOR CONSTRUCTION

No.	Description	Date	By
0	ISSUED FOR TENDER	SEP 09/26	JAD

Revision or Issue

TOWN OF NORTH RUSTICO

POND STREET WATER LINE REPLACEMENT

CIVIL

POND STREET
STA. 0+000 TO STA. 0+130

PLAN & PROFILE

CBCL
201-135 ST. PETERS RD
CHARLOTTETOWN PE C1A 7N4

CBCL No	Contract No	Date	Scale
262649.00	262649.00	AUG 2026	AS NOTED
		Designed CMW	Drawn CMW
		Checked TDG	Approved JAD
		Sheet No 1 of 2	
		Drawing No C01	

PROFESSIONAL ENGINEER — Jordan Alexander Doiron 5433 — PROVINCE OF PRINCE EDWARD ISLAND — DATE

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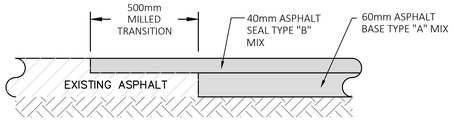
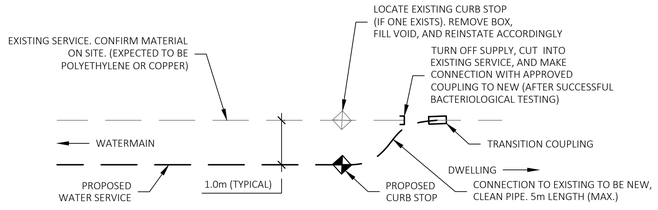
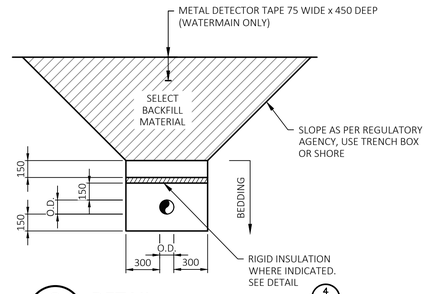


1 DETAIL- ASPHALT TRANSITION TO EX. SURFACE
N.T.S.



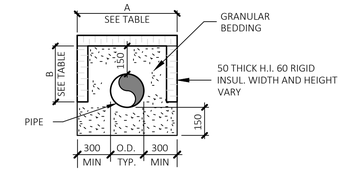
2 DETAIL- SERVICE CONNECTION TO EXISTING
NTS

NOTES:
1. COORDINATE TEMPORARY WATER DISRUPTION WITH THE UTILITY AND PROPERTY OWNER.
2. FLUSH SERVICE LATERAL FOLLOWING CONNECTION PER AWWA C651.



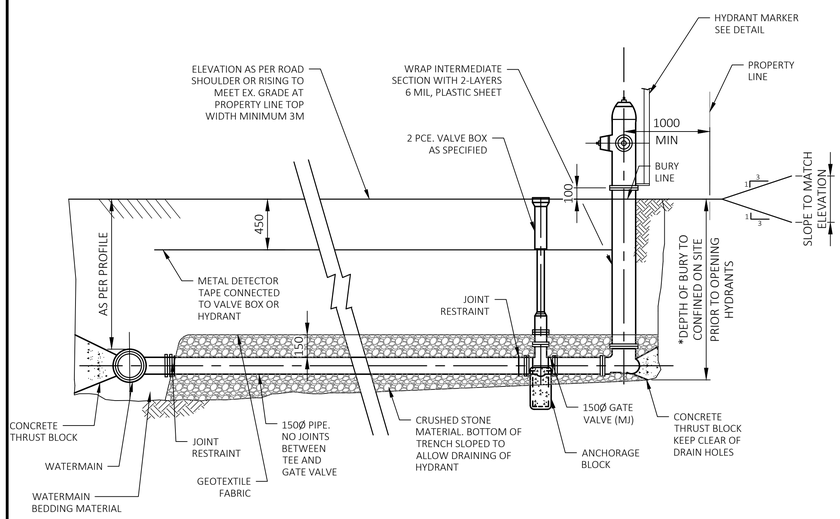
3 DETAIL- SINGLE PIPE TRENCH (4)
1:25

NOTE: MINIMUM 1000mm CLEAR SPERATION BETWEEN UTILITIES UNLESS NOTED OTHERWISE

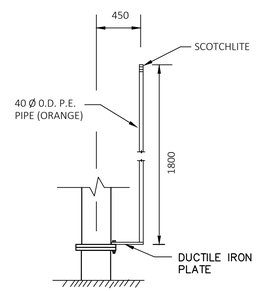


COVER (m)	A-WIDTH (m)	B- HEIGHT(m)
0.45-0.60	1.2	0.60
0.60-0.90	0.90	0.60
0.90-1.20	0.60	0.60
1.20-1.50	0.60	0.30
1.50-1.80	0.60	-

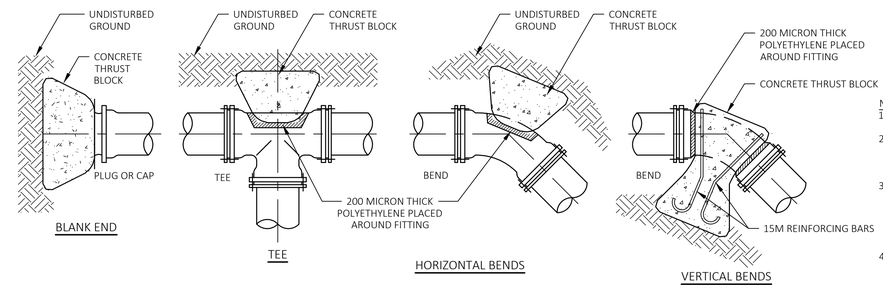
4 DETAIL- PIPE INSULATION FOR LESS THAN 1800mm COVER
N.T.S.



5 DETAIL- FIRE HYDRANT (NO DITCH)
N.T.S.



6 DETAIL- FIRE HYDRANT MARKER
N.T.S.



NOTES:
1. ALL CONCRETE 25MPa.
2. REINFORCING BARS ARE TO BE PRESHAPED PRIOR TO INSTALLATION.
3. GALVANIZED COATING TO BE COMPLETE PRIOR TO USE. REPAIR DAMAGED COATING AS NECESSARY ON SITE PRIOR TO USE.
4. CONCRETE COVER TO BE MIN. 75 OVER BARS AND FITTINGS.

MINIMUM CONTACT AREAS FOR CONC. THRUST BLOCKS

PIPE Ø	AREA m² FOR SOIL SUPPORTING CAPACITY OF 100 kPa					
mm	CAP/PLUG	TEE	90° BEND	45° BEND	22.5° BEND	11.25° BEND
100	0.25	0.25	0.32	0.20	0.16	0.16
150	0.48	0.48	0.64	0.40	0.24	0.16
200	0.80	0.80	1.12	0.64	0.32	0.16
250	1.28	1.28	1.76	0.96	0.48	0.24
300	1.76	1.76	2.56	1.44	0.72	0.40

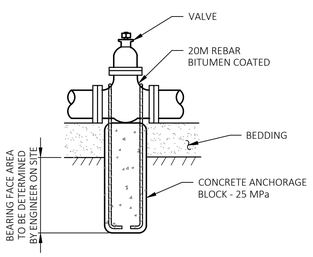
MINIMUM DISTANCE FROM FITTING TO UNDISTURBED GROUND

PIPE Ø mm	mm
100	450
150	450
200	450
250	600
300	750
350	900

VERTICAL THRUST BLOCKS
THRUST COMPENSATED FOR BY MASS OF CONCRETE (m³)

PIPE Ø mm	45° BEND	22.5° BEND	11.25° BEND
100	0.40	0.20	0.20
150	0.80	0.40	0.40
200	1.40	0.70	0.70
250	2.10	1.10	1.10
300	3.00	1.50	1.50

7 DETAIL- CONCRETE TRUST BLOCKS
NTS



8 DETAIL- GATE VALVE TIE DOWN
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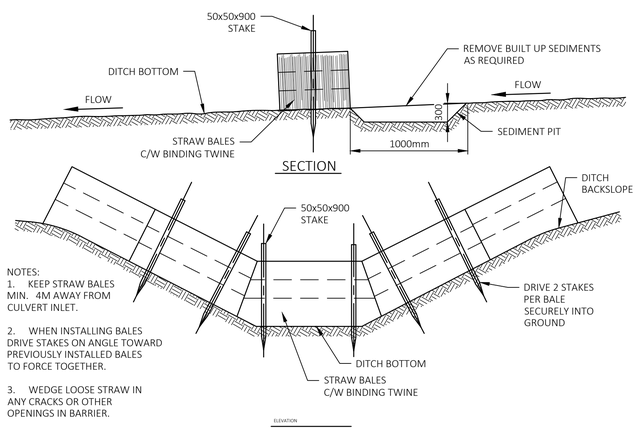
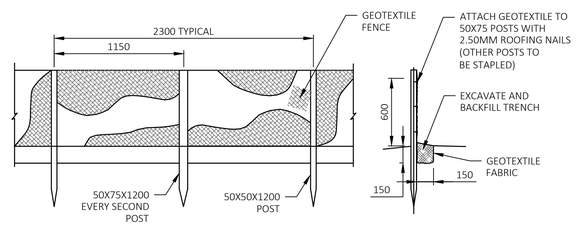


NOTES:
1. KEEP STRAW BALES MIN. 4M AWAY FROM CULVERT INLET.
2. WHEN INSTALLING BALES DRIVE STAKES ON ANGLE TOWARD PREVIOUSLY INSTALLED BALES TO FORCE TOGETHER.
3. WEDGE LOOSE STRAW IN ANY CRACKS OR OTHER OPENINGS IN BARRIER.

9 DETAIL- STRAW BALE CHECK DAM
N.T.S.



10 DETAIL- SEDIMENT CONTROL FENCE
1:25

NOT FOR CONSTRUCTION

No.	Description	Date	By
0	ISSUED FOR TENDER	SEP 09/26	JAD

Revision or Issue

TOWN OF NORTH RUSTICO

POND STREET WATER LINE REPLACEMENT

CIVIL

DETAILS

POND STREET

CBCL
203-135 ST. PETERS RD
CHARLOTTETOWN PE C1A 7N4

CBCL No	Contract No	Date	Scale
262649.00	262649.00	AUG 2026	AS NOTED
		Designed CMW	Drawn CMW
		Checked TDG	Approved JAD
		Sheet No 2 of 2	
		Drawing No C02	

PROFESSIONAL ENGINEER
Jordan Alexander Doiron
1433
PROVINCE OF PRINCE EDWARD ISLAND

2026.09.09 12:59:55-03'00'