Sheet List Table	
Sheet Number	Sheet Title
COVER SHEET	
00	COVER SHEET
CIVIL: EXISTING CONDITIONS & REMOVALS	
C-000	OVERALL EXISTING SITE PLAN
C-001	EXISTING & PROPOSED CONDITIONS PLAN SHEET 1 OF 6
C-002	EXISTING & PROPOSED CONDITIONS PLAN SHEET 2 OF 6
C-003	EXISTING & PROPOSED CONDITIONS PLAN SHEET 3 OF 6
C-004	EXISTING & PROPOSED CONDITIONS PLAN SHEET 4 OF 6
C-005	EXISTING & PROPOSED CONDITIONS PLAN SHEET 5 OF 6
C-006	EXISTING & PROPOSED CONDITIONS PLAN SHEET 6 OF 6
CIVIL: MUNICIPAL SERVICING	
C-100	PLAN & PROFILE - UNDERGROUND UTILITIES SHEET 1 OF 6
C-101	PLAN & PROFILE - UNDERGROUND UTILITIES SHEET 2 OF 6
C-102	PLAN & PROFILE - UNDERGROUND UTILITIES SHEET 3 OF 6
C-103	PLAN & PROFILE - UNDERGROUND UTILITIES SHEET 4 OF 6
C-104	PLAN & PROFILE - UNDERGROUND UTILITIES SHEET 5 OF 6
C-105	PLAN & PROFILE - UNDERGROUND UTILITIES SHEET 6 OF 6
C-106	PLAN & PROFILE - UNITED CHURCH DRAINAGE
C-107	PLAN & PROFILE - CIVIC 121, 191, 205 & 217
C-108	PLAN & PROFILE - MISCELLANEOUS PROFILES
C-109	STORM AND SANITARY STRUCTURE TABLES
C-110	SITE PLAN - PUMP STATION #4
C-111	SITE PLAN - PUMP STATION #5
C-112	SERVICING DETAILS SHEET 1 OF 2
C-113	SERVICING DETAILS SHEET 2 OF 2
C-114	PUMP STATION DETAILS
CIVIL: MULTI-USE TRAIL	
C-200	PLAN & PROFILE - MULTI USE TRAIL SHEET 1 OF 6
C-201	PLAN & PROFILE - MULTI USE TRAIL SHEET 2 OF 6
C-202	PLAN & PROFILE - MULTI USE TRAIL SHEET 3 OF 6
C-203	PLAN & PROFILE - MULTI USE TRAIL SHEET 4 OF 6
C-204	PLAN & PROFILE - MULTI USE TRAIL SHEET 5 OF 6
C-205	PLAN & PROFILE - MULTI USE TRAIL SHEET 6 OF 6
C-206	PLAN & PROFILE - RETAINING WALLS
C-208	PROPOSED CROSS SECTIONS - SHEET 1 OF 4
C-209	PROPOSED CROSS SECTIONS - SHEET 2 OF 4
C-210	PROPOSED CROSS SECTIONS - SHEET 3 OF 4
C-211	PROPOSED CROSS SECTIONS - SHEET 4 OF 4
C-212	SITE FINISHING DETAILS
C-213	TYPICAL RETAINING WALL SECTIONS & MISC. DETAILS
COASTAL	
C-300	LIVING SHORELINE PROPOSED SITE PLAN
C-301	SITE PLANS
C-302	SITE PLAN AND SECTIONS
C-303	SITE SECTIONS 1 OF 6
C-304	SITE SECTIONS 2 OF 6
C-305	SITE SECTIONS 3 OF 6
C-306	SITE SECTIONS 4 OF 6
C-307	SITE SECTIONS 5 OF 6
C-308	SITE SECTIONS 6 OF 6

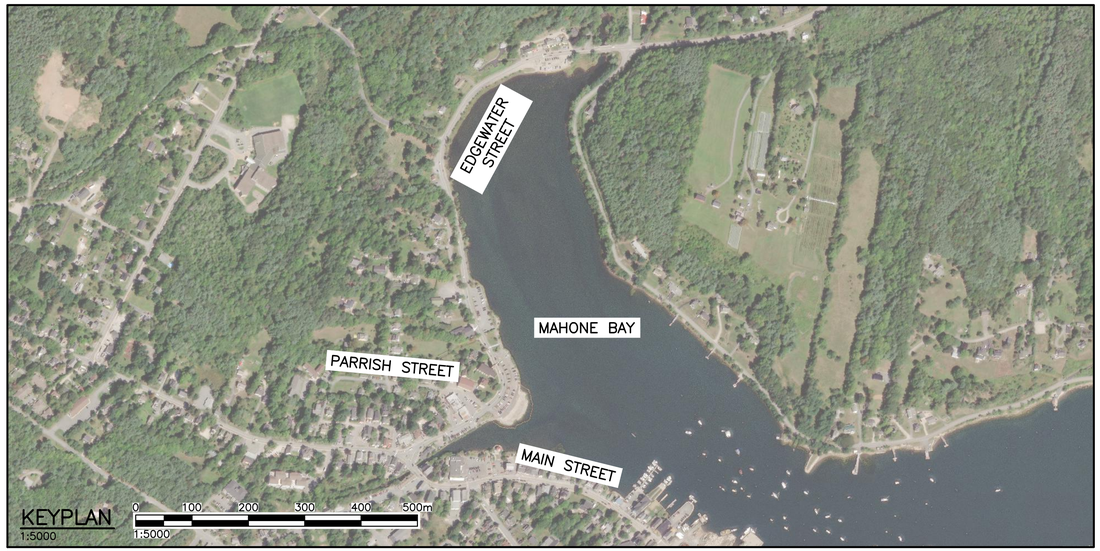
ELECTRICAL	
E01	DESIGN CRITERIA
E10	PLAN VIEW PROPOSED CONDITIONS
E20	SCHEMATIC
E30	DUCTBANK DETAILS
E31	SINGLE PHASE PADMOUNT TRANSFORMER DETAILS
E32	THREE PHASE PADMOUNT TRANSFORMER DETAILS
E33	DISTRIBUTION EQUIPMENT DETAILS
E34	EQUIPMENT GROUNDING AND VEHICULAR PROTECTION DETAILS
E35	GROUNDING DETAILS
E36	RISER POLE DETAILS
E37	STREET LIGHTING DETAILS
E38-1	PARK DISTRIBUTION DETAILS 1 OF 2
E38-2	PARK DISTRIBUTION DETAILS 2 OF 2
E50	SINGLE LINE DIAGRAMS AND ELECTRICAL DETAILS
E51	ELECTRICAL DETAILS

3

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

Project No. 241016.00



ISSUED FOR CONSTRUCTION

REV. 03

NOVEMBER 14 2025

GENERAL NOTES:

1. ALL ELEVATIONS ARE IN METRES. TOPOGRAPHIC DATA IS IN UTM ZONE 20 USING CGVD2013 VERTICAL DATUM. SURVEY SUPPLEMENTED WITH GIS INFORMATION OBTAINED FROM PROVINCIAL OPEN DATA.
2. UTILITY INFORMATION IS APPROXIMATE ONLY. EXACT LOCATION TO BE DETERMINED BY THE CONTRACTOR.
3. OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM WORK AND TO COMPLY WITH ALL PERMIT REQUIREMENTS AND CONDITIONS.
4. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH NOVA SCOTIA ENVIRONMENT (NSE) STANDARD.
5. CONDUCT 3RD PARTY LOCATES FOR ALL BURIED INFRASTRUCTURE AND PROVIDE ENGINEER WITH SURVEY FILE OF ALL BURIED INFRASTRUCTURE. INFORM THE ENGINEER IMMEDIATELY OF ANY UTILITIES FOUND IN THE FIELD THAT ARE NOT IDENTIFIED ON THE DRAWINGS.
6. CONTRACTOR IS RESPONSIBLE FOR SETTING GRADES AND LAYOUT CONTROL.
7. PROVIDE ALL TRAFFIC CONTROL REQUIRED FOR THE PROJECT. TRAFFIC CONTROL IS REQUIRED CONTINUOUSLY WHILE WORK IS BEING CARRIED OUT. PROVIDE TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL ISSUED BY THE NS DEPT. OF TRANSPORTATION AND PUBLIC WORKS AND IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES REQUIREMENTS.
8. ALL WASTE MATERIAL TO BE REMOVED TO A SUITABLE DISPOSAL LOCATION DETERMINED BY CONTRACTOR AND IN ACCORDANCE WITH ENVIRONMENTAL REGULATIONS.
9. REINSTATE ALL DISTURBED SURFACE FEATURES INCLUDING ROADS, ROAD STRUCTURE, AND VEGETATED AREAS. REINSTATE TO EXISTING OR BETTER THICKNESS AND STRUCTURE, AND MEETING REQUIREMENTS OF CONTRACT DOCUMENTS.
10. AN ELECTRONIC COPY OF THE LAYOUT IN AUTOCAD FORMAT WILL BE SUPPLIED TO THE CONTRACTOR ONCE THEY SIGN AND RETURN THE EFT AGREEMENT. CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND COORDINATES, AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
11. DRAWINGS IN GENERAL ARE TO SCALE BUT FIGURED DIMENSIONS TAKE PRECEDENCE. THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION SCALED FROM THE DRAWINGS.
12. ALL DIMENSIONS USE METRIC UNITS. DIMENSIONS SHOWN ARE IN METERS (UNLESS OTHERWISE NOTED).
13. GEOTECHNICAL INFORMATION IS FROM REPORT TITLED "GEOTECHNICAL INVESTIGATION – EDGEWATER STREET IMPROVEMENTS" DATED NOVEMBER 2024.
14. EXCAVATED MATERIAL IS INTENDED TO BE RE-USED. HANDLE THE MATERIAL TO KEEP IT FREE OF UNSUITABLE MATERIAL. STORE MATERIAL FOR USE AS NEEDED AND PROTECT IT TO KEEP IT IN SUITABLE CONDITION FOR RE-USE.
15. ADHERE TO ALL OCCUPATIONAL HEALTH AND SAFETY REGULATIONS.
16. CONNECT TO EXISTING SEWER LATERALS AT PROPERTY LINE AND EXISTING WATER LATERALS AT THE EXISTING CURB STOP.
17. TREES AND SHRUBS TO BE REMOVED ALONG TRAIL AS NEEDED. DO NOT REMOVE ANY TREES OR SHRUBS OUTSIDE OF TRAIL FOOTPRINT WITHOUT APPROVAL.

CLEARLAND ROAD

EDGEWATER STREET

MAHONE BAY

PARRISH STREET

EDGEWATER STREET

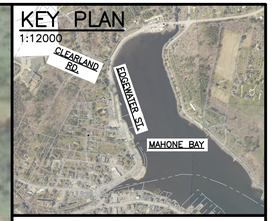
MAIN STREET

NORTH

PLAN
1:1000

0 20 40 60 80 100m
1:1000

KEY PLAN
1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
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0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

EXISTING CONDITIONS & REMOVALS

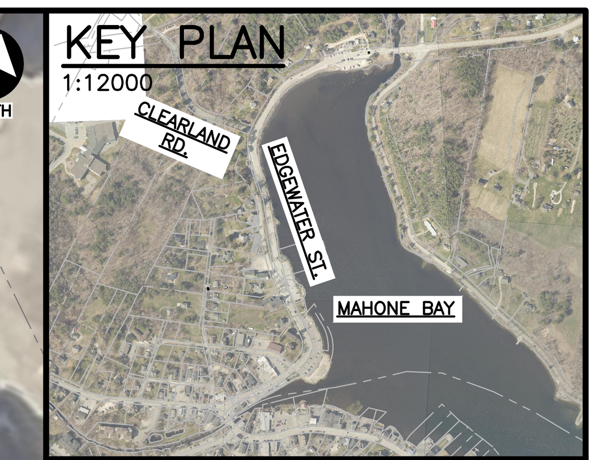
OVERALL EXISTING SITE PLAN

CBCL

PROFESSIONAL ENGINEER — NOV 14/25 — J.A. Baillie — 7791 — PROVINCE OF NOVA SCOTIA

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 1 of 37	
Drawing No C-000	





LEGEND

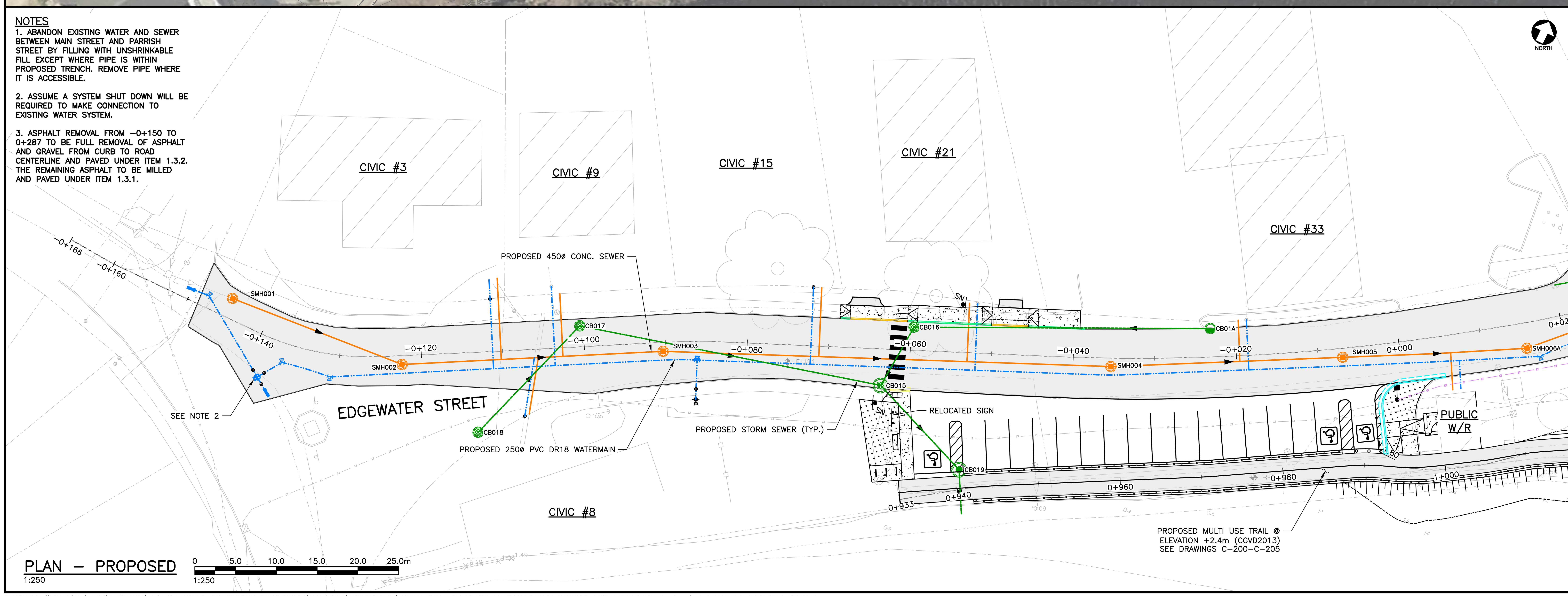
- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)
- REMOVALS
- PIPE ABANDON
- PIPE REMOVAL

NOTES

1. ABANDON EXISTING WATER AND SEWER BETWEEN MAIN STREET AND PARRISH STREET BY FILLING WITH UNSHRINKABLE FILL EXCEPT WHERE PIPE IS WITHIN PROPOSED TRENCH. REMOVE PIPE WHERE IT IS ACCESSIBLE.

2. ASSUME A SYSTEM SHUT DOWN WILL BE REQUIRED TO MAKE CONNECTION TO EXISTING WATER SYSTEM.

3. ASPHALT REMOVAL FROM −0+150 TO 0+287 TO BE FULL REMOVAL OF ASPHALT AND GRAVEL FROM CURB TO ROAD CENTERLINE AND PAVED UNDER ITEM 1.3.2. THE REMAINING ASPHALT TO BE MILLED AND PAVED UNDER ITEM 1.3.1.



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Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

EXISTING CONDITIONS & REMOVALS

EXISTING & PROPOSED CONDITIONS PLAN SHEET 1 OF 6

CBCL

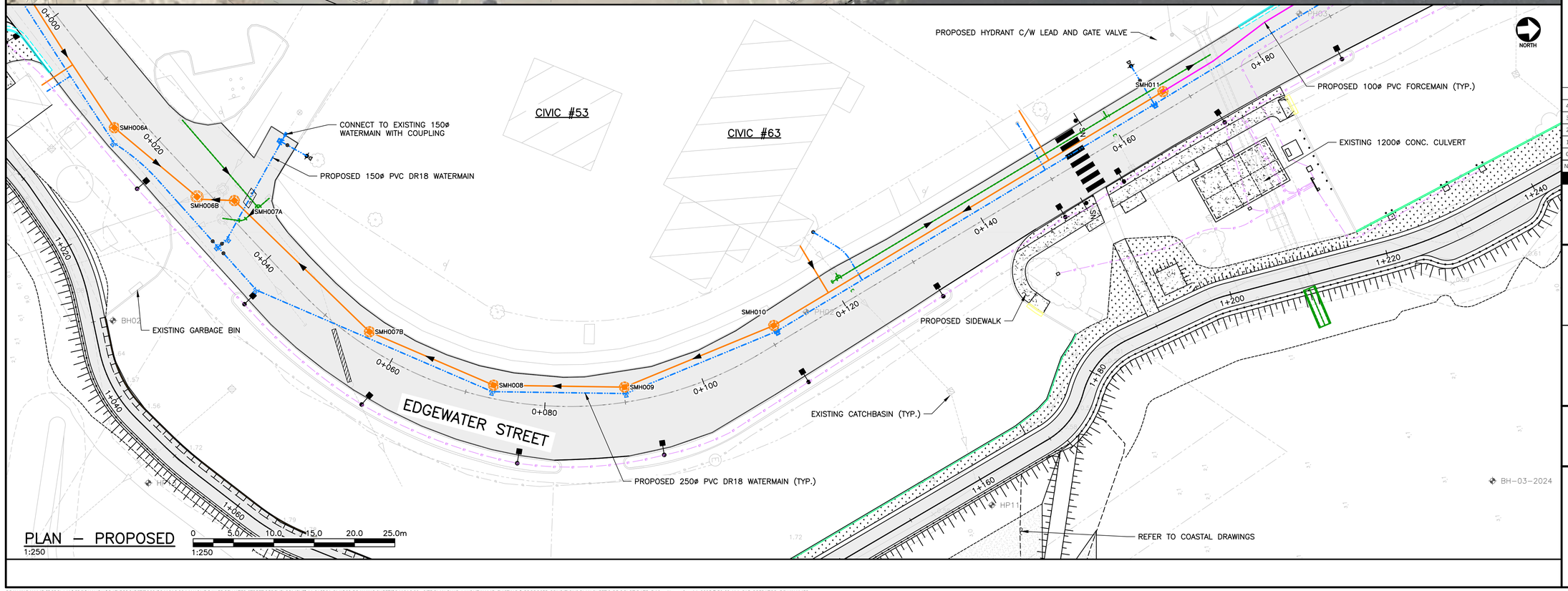
REGISTERED PROFESSIONAL ENGINEER, Date: NOV 14/25, J. A. Baillie, 7791, PROVINCE OF NOVA SCOTIA

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 2 of 37	
Drawing No C-001	

DRAWING NAME: \\CBCL.LAN\CBCL\HALIFAX\DATA\PROJECTS\2024\241016.00 MAHONE BAY EDGEWATER STREET REDEVELOPMENT\44 CAD\01 CIVIL\03 DRAWING SHEETS\241016.00 - SITE PLAN.DWG LAYOUT NAME: EXISTING & PROPOSED CONDITIONS PLAN SHEET 1 OF 6 PLOT DATE: Friday, November 14, 2025 7:58:45 AM CAD OPERATOR: DSWINAMER

CBCL-610x914 TITLE SHEET (ARCH D)





KEY PLAN

1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)
- REMOVALS
- PIPE ABANDON
- PIPE REMOVAL

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Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

EXISTING CONDITIONS & REMOVALS

EXISTING & PROPOSED CONDITIONS PLAN SHEET 2 OF 6

CBCL

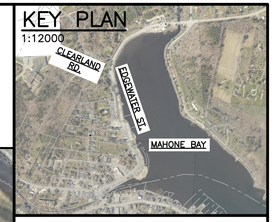
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Date MAY 2024	Scale AS NOTED
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Checked JAB	Approved JAB
Sheet No 3 of 37	
Drawing No C-002	

REGISTERED PROFESSIONAL ENGINEER Dec. NOV 14/25 J.A. Baillie 7791 PROVINCE OF NOVA SCOTIA



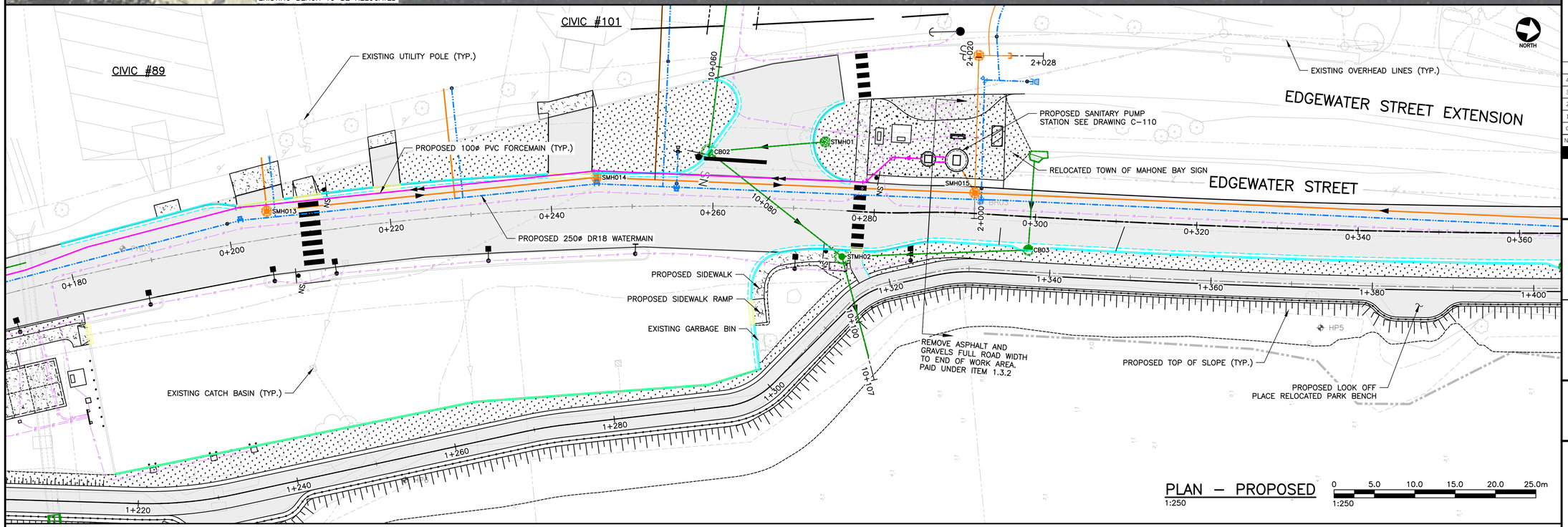
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LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)
- REMOVALS
- PIPE ABANDON
- PIPE REMOVAL



PLAN – PROPOSED
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Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

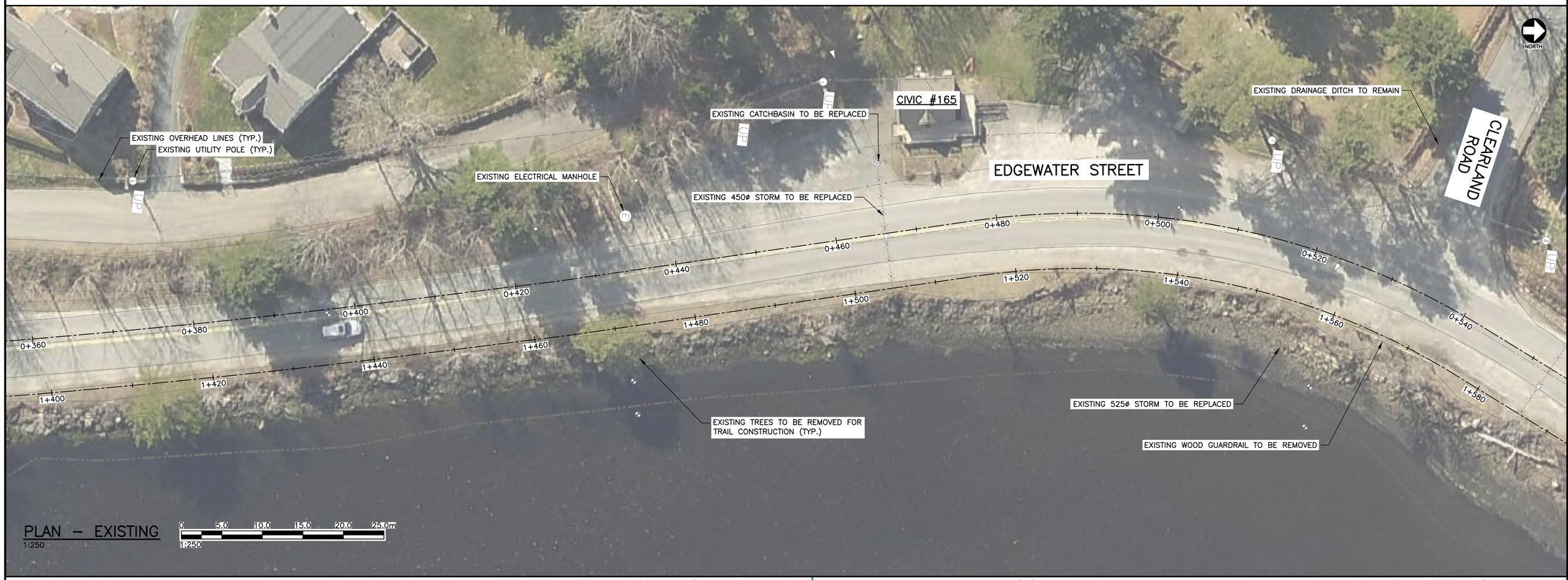
EXISTING CONDITIONS & REMOVALS

EXISTING & PROPOSED CONDITIONS PLAN SHEET 3 OF 6

CBCL

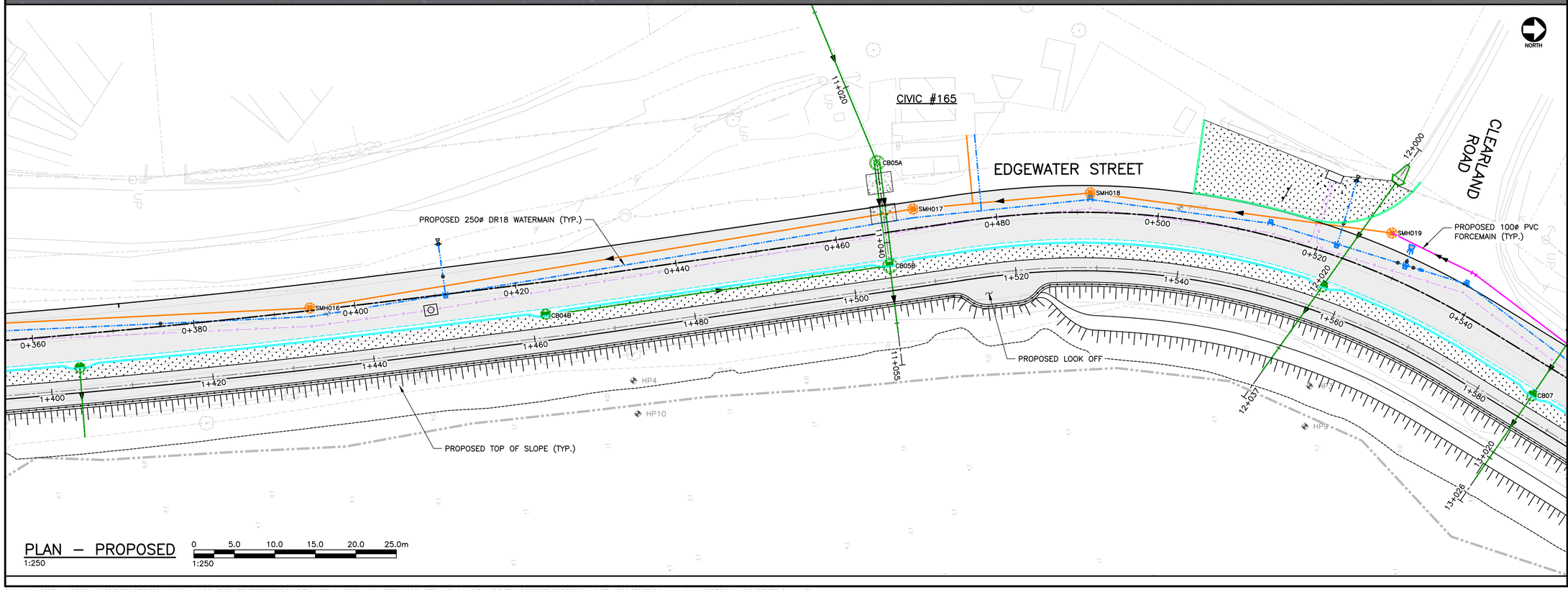
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Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 4 of 37	
Drawing No C-003	

REGISTERED PROFESSIONAL ENGINEER — Date: NOV 14/25 — J.A. Baillie — 7791 — PROVINCE OF NOVA SCOTIA



PLAN – EXISTING
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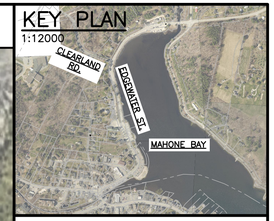
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PLAN – PROPOSED
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0 5.0 10.0 15.0 20.0 25.0m
1:250

KEY PLAN
1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
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- WATERMAIN BENDS (PR.)
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- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
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- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
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- GRASS (PR.)
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Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

EXISTING CONDITIONS & REMOVALS

EXISTING & PROPOSED CONDITIONS PLAN SHEET 4 OF 6

CBCL

REGISTERED PROFESSIONAL ENGINEER — Date: NOV 14/25 — J. A. Baillie — 7791 — PROVINCE OF NOVA SCOTIA

CBCL No: 241016.00	Contract No
Date: MAY 2024	Scale: AS NOTED
Designed: CM/DS	Drawn: DS
Checked: JAB	Approved: JAB
Sheet No: 5 of 37	
Drawing No: C-004	

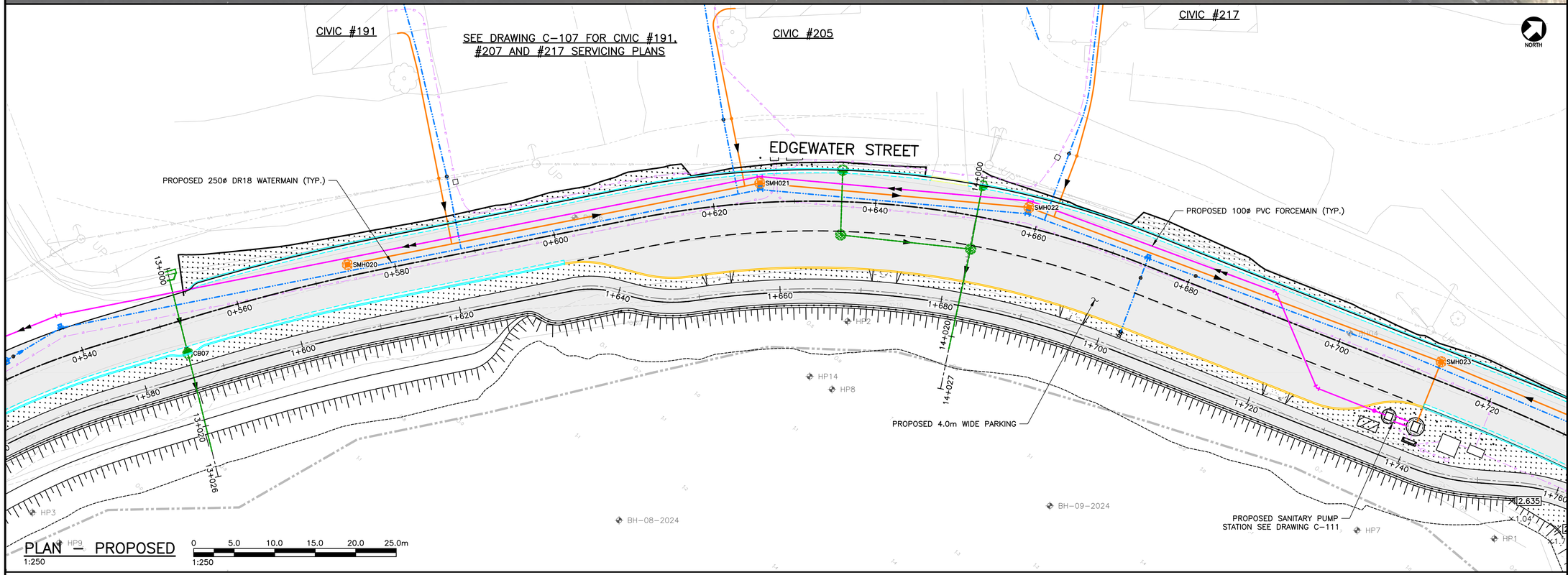


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PLAN – PROPOSED

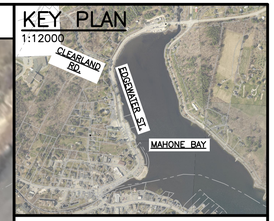
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KEY PLAN

1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
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- STORM CATCHBASIN (SQ.) (EX.)
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- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
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- GATE VALVE (PR.)
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- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
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- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)
- REMOVALS
- PIPE ABANDON
- PIPE REMOVAL

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

EXISTING CONDITIONS & REMOVALS

EXISTING & PROPOSED CONDITIONS PLAN SHEET 5 OF 6

CBCL

CBCL No. 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 6 of 37	
Drawing No C-005	

REGISTERED PROFESSIONAL ENGINEER — Dec. NOV 14/25 — J. A. Baillie — 7791 — PROVINCE OF NOVA SCOTIA

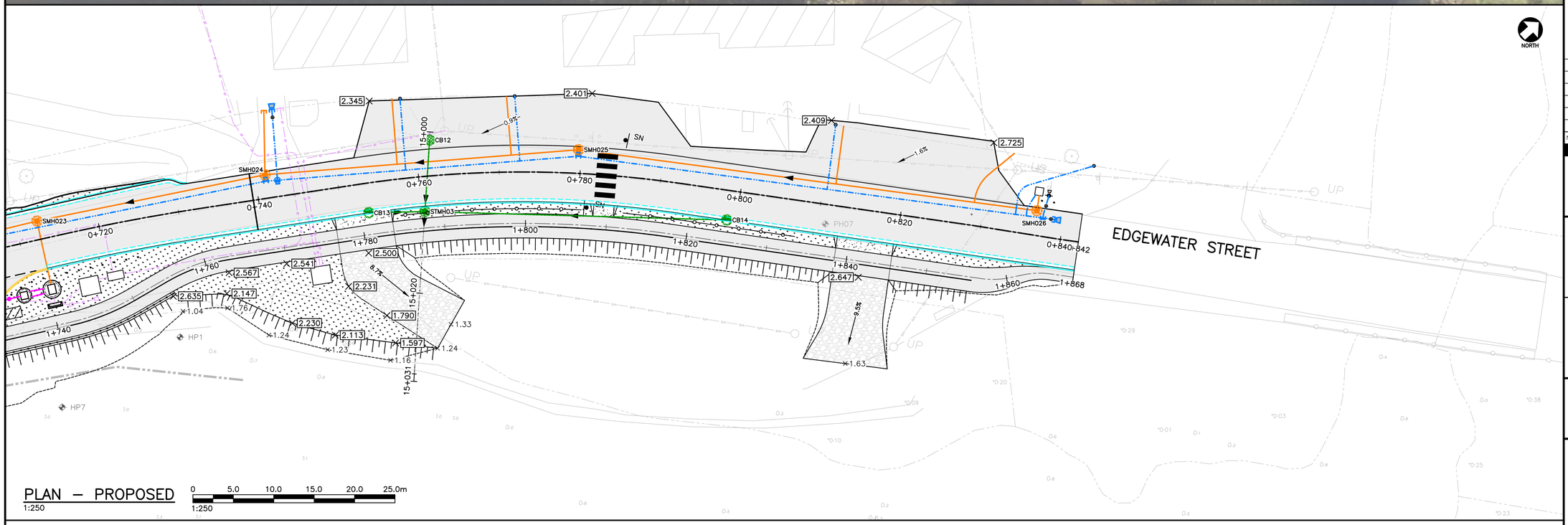
DRAWING NAME: \\CBCL.LAN\CBCL\HALIFAX\DATA\PROJECTS\2024\241016.00 MAHONE BAY EDGEWATER STREET REDEVELOPMENT\44 CAD\01 CIVIL\03 DRAWING SHEETS\241016.00 - SITE PLAN.DWG LAYOUT NAME: EXISTING & PROPOSED CONDITIONS PLAN SHEET 5 OF 6 PLOT DATE: Friday, November 14, 2025 7:59:55 AM CAD OPERATOR: DSWINAMER

CBCL-610x914 TITLE SHEET (ARCH D)



PLAN – EXISTING
1:250

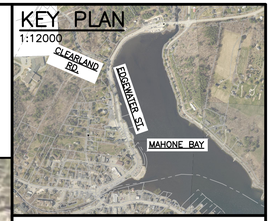
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PLAN – PROPOSED
1:250

0 5.0 10.0 15.0 20.0 25.0m
1:250

KEY PLAN
1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)
- REMOVALS
- PIPE ABANDON
- PIPE REMOVAL

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

EXISTING CONDITIONS & REMOVALS

EXISTING & PROPOSED CONDITIONS PLAN SHEET 6 OF 6

CBCL

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 7 of 37	
Drawing No C-006	

PROFESSIONAL ENGINEER — Date: NOV 14/25 — J. A. Baillie — 7791 — PROVINCE OF NOVA SCOTIA

DRAWING NAME: \\CBCL.LAN\CBCL\HALIFAX\DATA\PROJECTS\2024\241016.00 MAHONE BAY EDGEWATER STREET REDEVELOPMENT\44 CAD\01 CIVIL\03 DRAWING SHEETS\241016.00 - SITE PLAN.DWG LAYOUT NAME: EXISTING & PROPOSED CONDITIONS PLAN SHEET 6 OF 6 PLOT DATE: Friday, November 14, 2025 3:56:36 PM CAD OPERATOR: DSWINAMER

CBCL-610x914 TITLE SHEET (ARCH D)

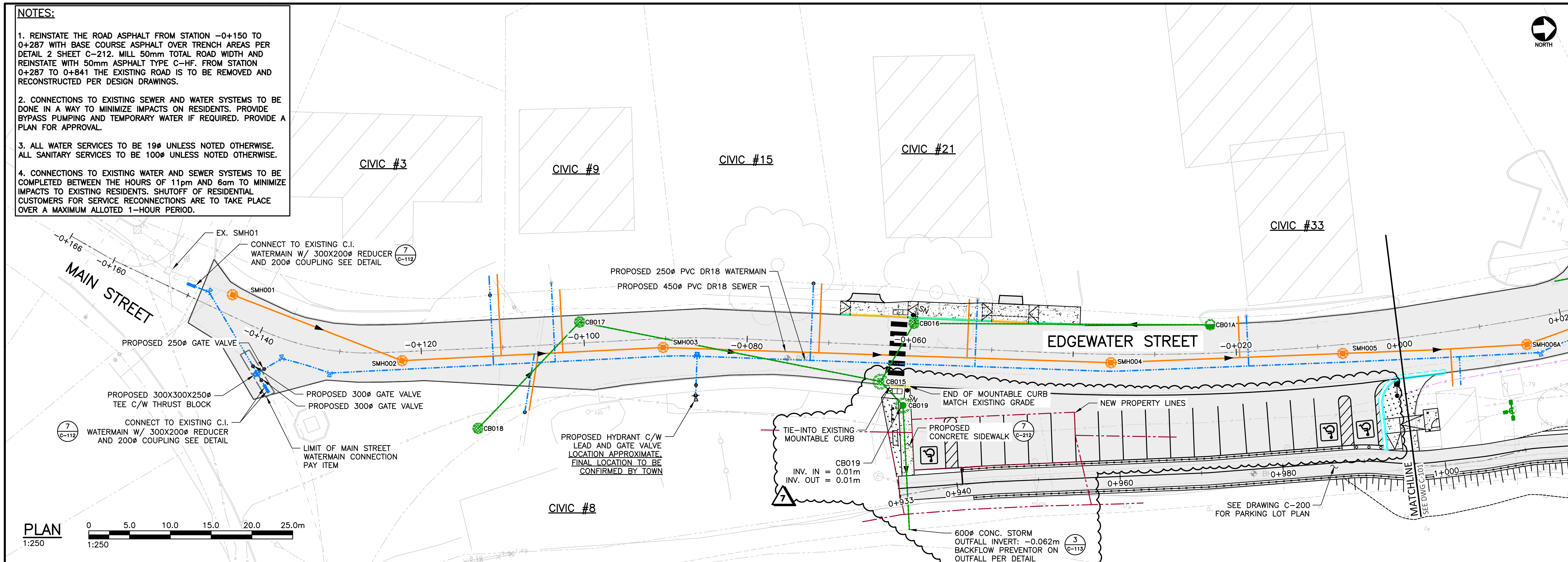
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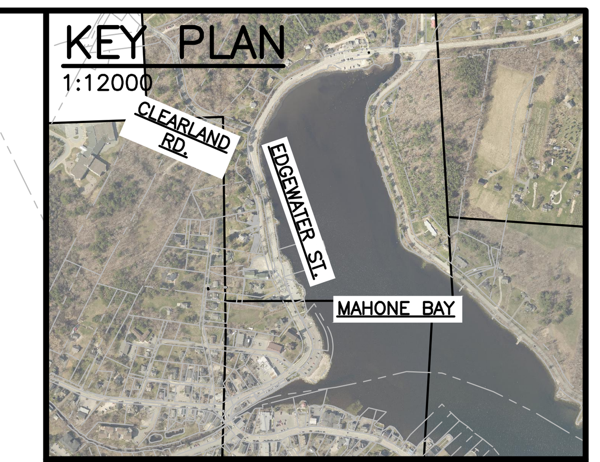
1. REINSTATE THE ROAD ASPHALT FROM STATION −0+150 TO 0+287 WITH BASE COURSE ASPHALT OVER TRENCH AREAS PER DETAIL 2 SHEET C−212. MILL 50mm TOTAL ROAD WIDTH AND REINSTATE WITH 50mm ASPHALT TYPE C−HF. FROM STATION 0+287 TO 0+841 THE EXISTING ROAD IS TO BE REMOVED AND RECONSTRUCTED PER DESIGN DRAWINGS.

2. CONNECTIONS TO EXISTING SEWER AND WATER SYSTEMS TO BE DONE IN A WAY TO MINIMIZE IMPACTS ON RESIDENTS. PROVIDE BYPASS PUMPING AND TEMPORARY WATER IF REQUIRED. PROVIDE A PLAN FOR APPROVAL.

3. ALL WATER SERVICES TO BE 19ø UNLESS NOTED OTHERWISE. ALL SANITARY SERVICES TO BE 100ø UNLESS NOTED OTHERWISE.

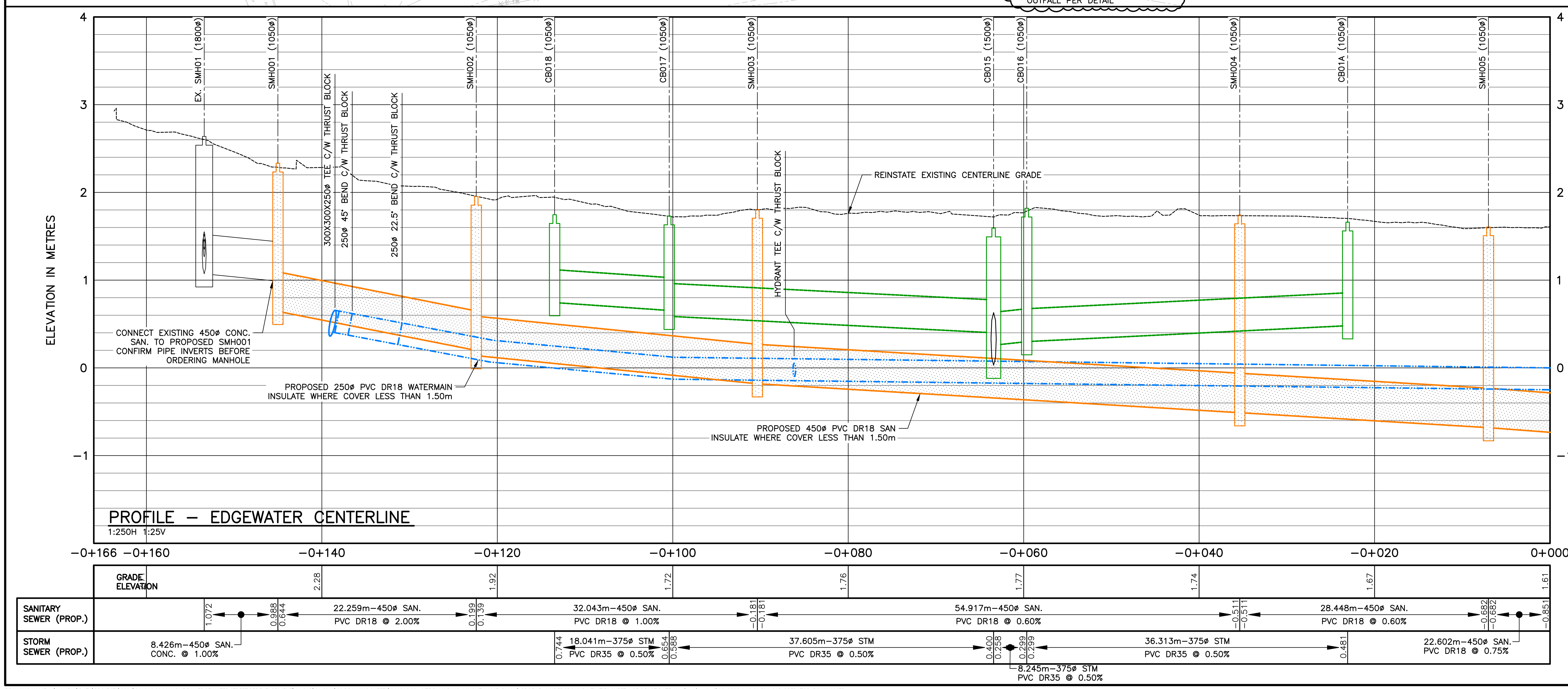
4. CONNECTIONS TO EXISTING WATER AND SEWER SYSTEMS TO BE COMPLETED BETWEEN THE HOURS OF 11pm AND 6am TO MINIMIZE IMPACTS TO EXISTING RESIDENTS. SHUTOFF OF RESIDENTIAL CUSTOMERS FOR SERVICE RECONNECTIONS ARE TO TAKE PLACE OVER A MAXIMUM ALLOTED 1−HOUR PERIOD.





LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)



No.	Description	Date	By
7	ISSUED FOR SI-14	APR 29/26	JAB
6	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
5	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
4	ISSUED FOR SI-04	APR 21/25	JAB
3	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
2	ISSUED FOR SI-01	MAR 28/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

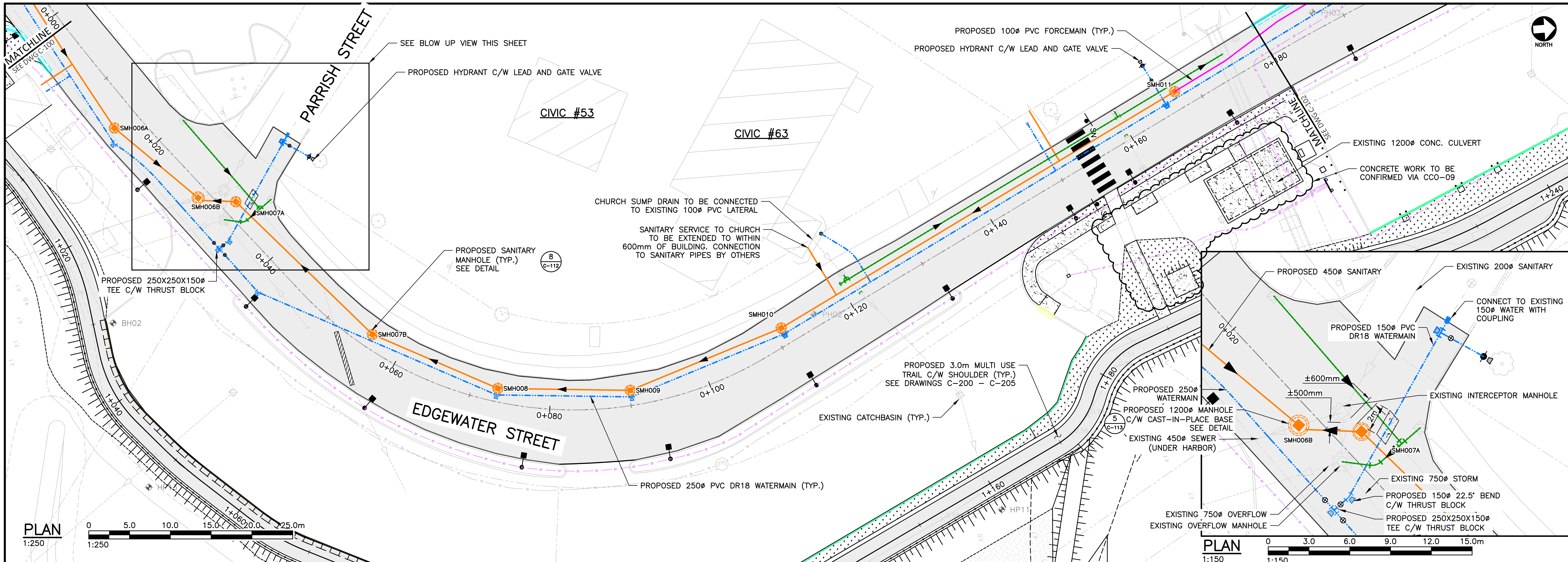
EDGEWATER STREET IMPROVEMENTS

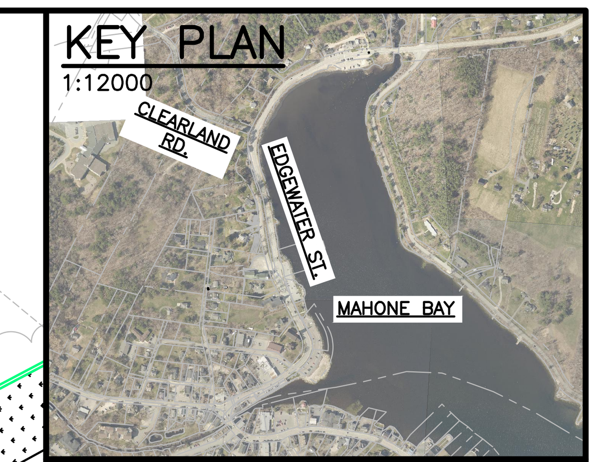
MUNICIPAL SERVICING

PLAN & PROFILE - UNDERGROUND UTILITIES SHEET 1 OF 6

CBCL

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 9 of 37	
Drawing No C-100	



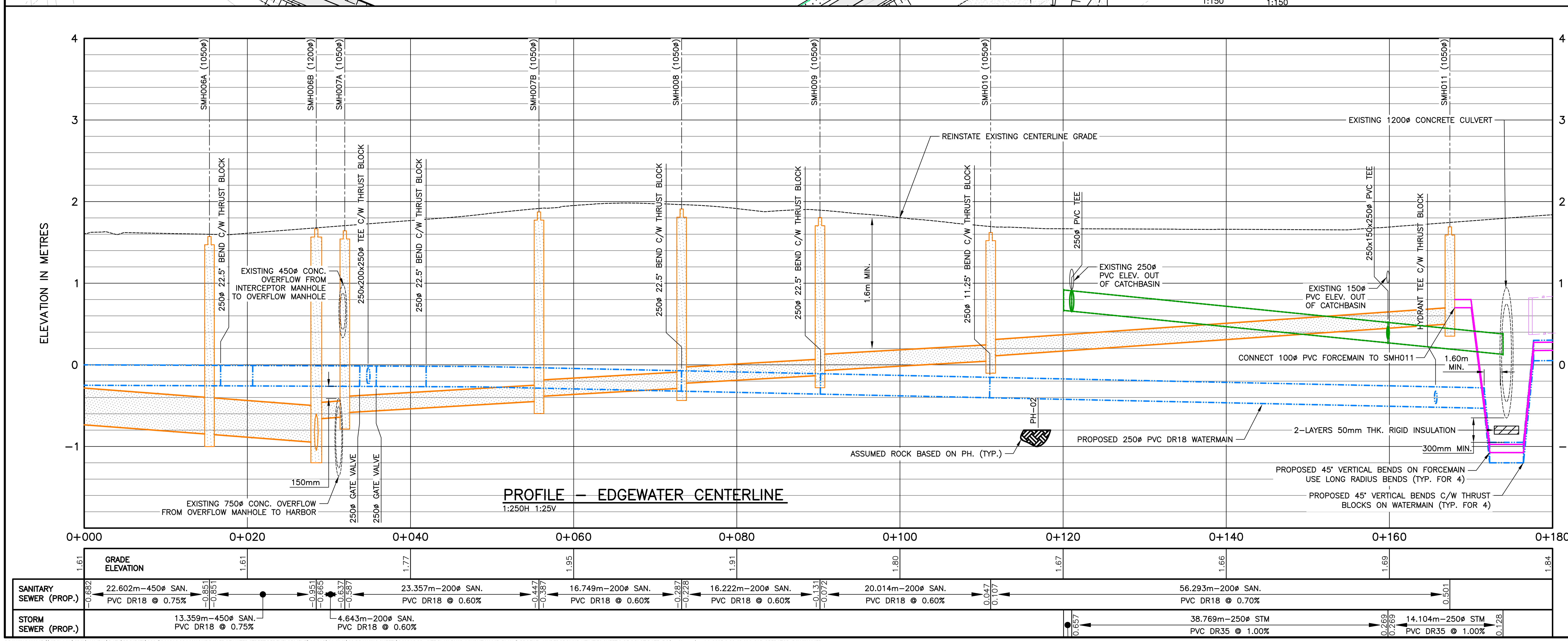


LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

NOTES:

1. REINSTATE THE ROAD ASPHALT FROM STATION −0+166 TO 0+287 WITH BASE COURSE ASPHALT OVER TRENCH AREAS PER DETAIL 2 SHEET C−212. MILL 50mm TOTAL ROAD WIDTH AND REINSTATE WITH 50mm ASPHALT TYPE C−HF. FROM STATION 0+287 TO 0+841 THE EXISTING ROAD IS TO BE REMOVED AND RECONSTRUCTED PER DESIGN DRAWINGS.



No.	Description	Date	By
8	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
7	ISSUED FOR CO-09	SEP 16/25	JAB
6	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
5	ISSUED FOR CURB CLARIFICATIONS	MAY 23/25	JAB
4	ISSUED FOR SI-04	APR 21/25	JAB
3	ISSUED FOR SI-03	APR 15/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

MUNICIPAL SERVICING

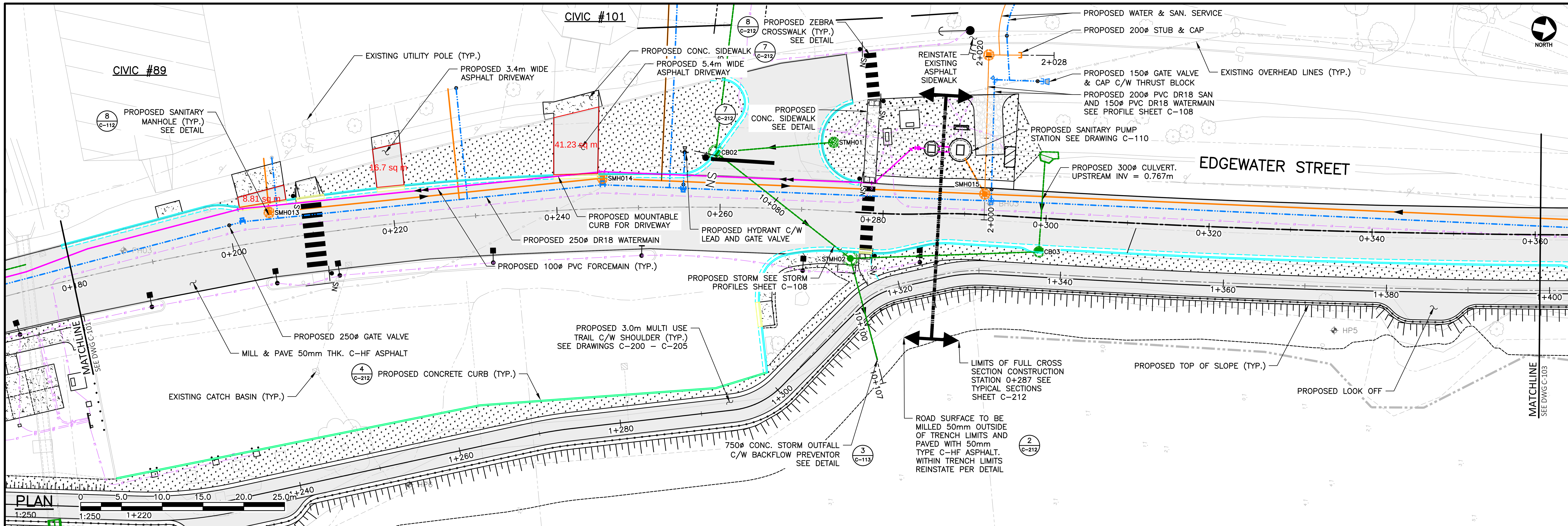
PLAN & PROFILE - UNDERGROUND UTILITIES SHEET 2 OF 6

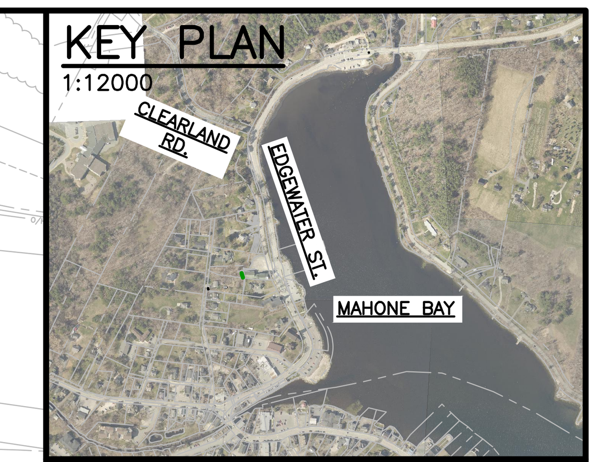
CBCL

REGISTERED PROFESSIONAL ENGINEER
Date: NOV 14/25
J. A. Baillie
7791
PROVINCE OF NOVA SCOTIA

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 10 of 37	
Drawing No C-101	

CBCL-610x914 TITLE SHEET (ARCH D)



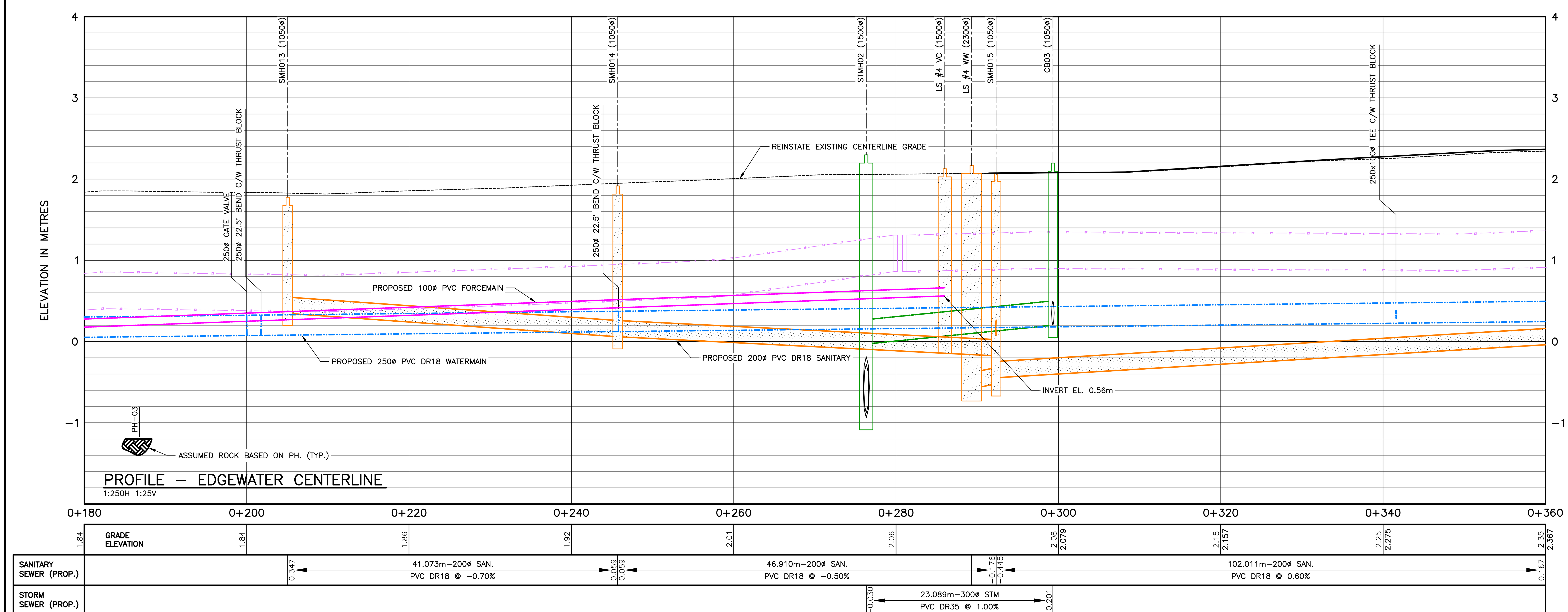


LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

NOTES:

1. REINSTATE THE ROAD ASPHALT FROM STATION –0+150 TO 0+287 WITH BASE COURSE ASPHALT OVER TRENCH AREAS PER DETAIL 2 SHEET C-212. MILL 50mm TOTAL ROAD WIDTH AND REINSTATE WITH 50mm ASPHALT TYPE C-HF. FROM STATION 0+287 TO 0+841 THE EXISTING ROAD IS TO BE REMOVED AND RECONSTRUCTED PER DESIGN DRAWINGS.



No.	Description	Date	By
8	ISSUED FOR SI-13	JAN 20/26	JAB
7	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
6	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
5	ISSUED FOR OLD EDGEWATER REVISIONS	AUG 01/25	JAB
4	ISSUED FOR CURB CLARIFICATIONS	MAY 23/25	JAB
3	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
2	ISSUED FOR SI-01	MAR 28/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

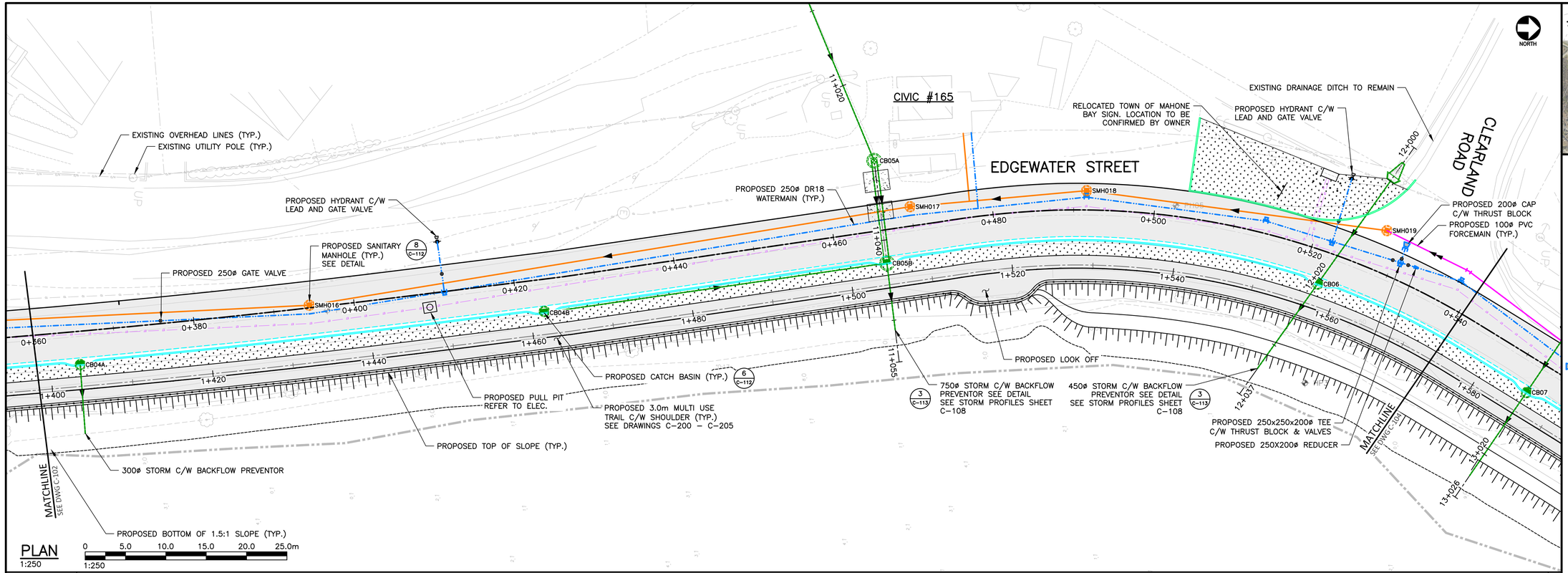
EDGEWATER STREET IMPROVEMENTS

MUNICIPAL SERVICING

PLAN & PROFILE - UNDERGROUND UTILITIES SHEET 3 OF 6

CBCL

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 11 of 37	
Drawing No C-102	



PLAN
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1:250

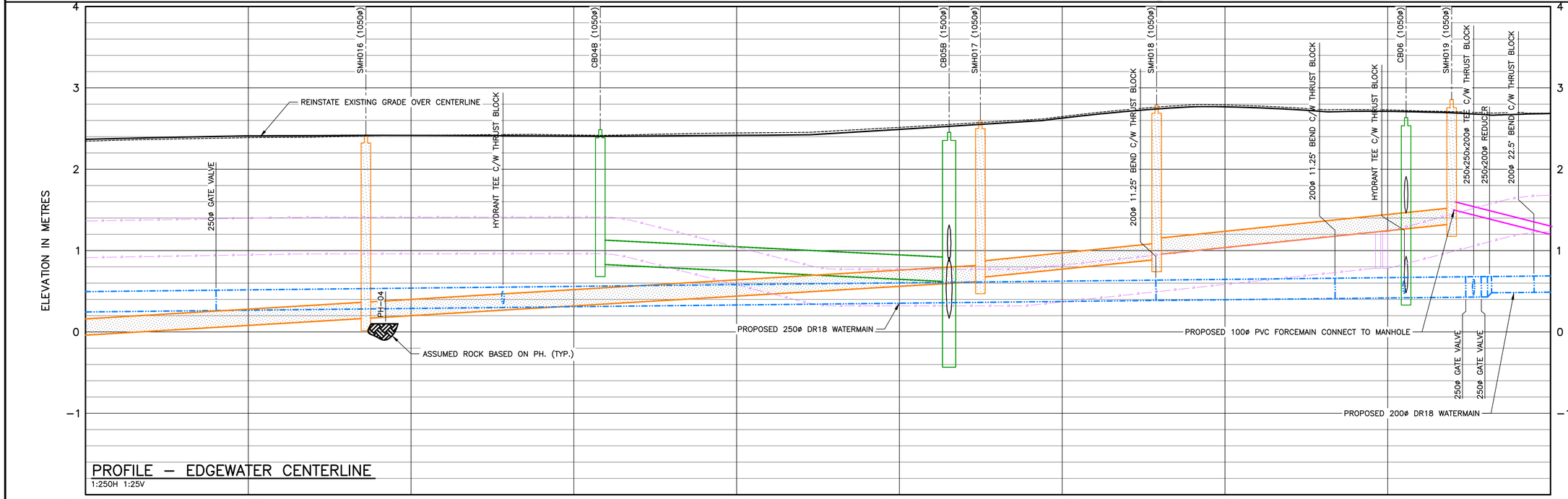


LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)

NOTES:

1. REINSTATE THE ROAD ASPHALT FROM STATION –0+150 TO 0+287 WITH BASE COURSE ASPHALT OVER TRENCH AREAS PER DETAIL 2 SHEET C–212. MILL 50mm TOTAL ROAD WIDTH AND REINSTATE WITH 50mm ASPHALT TYPE C–HF. FROM STATION 0+287 TO 0+841 THE EXISTING ROAD IS TO BE REMOVED AND RECONSTRUCTED PER DESIGN DRAWINGS.



PROFILE – EDGEWATER CENTERLINE
1:250H 1:25V

	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540
GRADE ELEVATION	2.35 / 2.367	2.39 / 2.410	2.42 / 2.416	2.42 / 2.407	2.45 / 2.416	2.51 / 2.490	2.65 / 2.629	2.79 / 2.767	2.73 / 2.712	2.69 / 2.685
SANITARY SEWER (PROP.)	–0.445	102.011m–200ø SAN. PVC DR18 @ 0.60%	0.167	75.489m–200ø SAN. PVC DR18 @ 0.60%	0.620 / 0.670	22.001m–200ø SAN. PVC DR18 @ 1.00%	0.890 / 0.550	37.556m–200ø SAN. PVC DR18 @ 1.00%	1.326	
STORM SEWER (PROP.)				0.831	42.945m–300ø STM PVC DR35 @ 0.50%	0.617				

No.	Description	Date	By
7	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
6	ISSUED FOR SI-10	SEP 12/25	JAB
5	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
4	ISSUED FOR CURB CLARIFICATIONS	MAY 23/25	JAB
3	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
2	ISSUED FOR SI-01	MAR 28/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

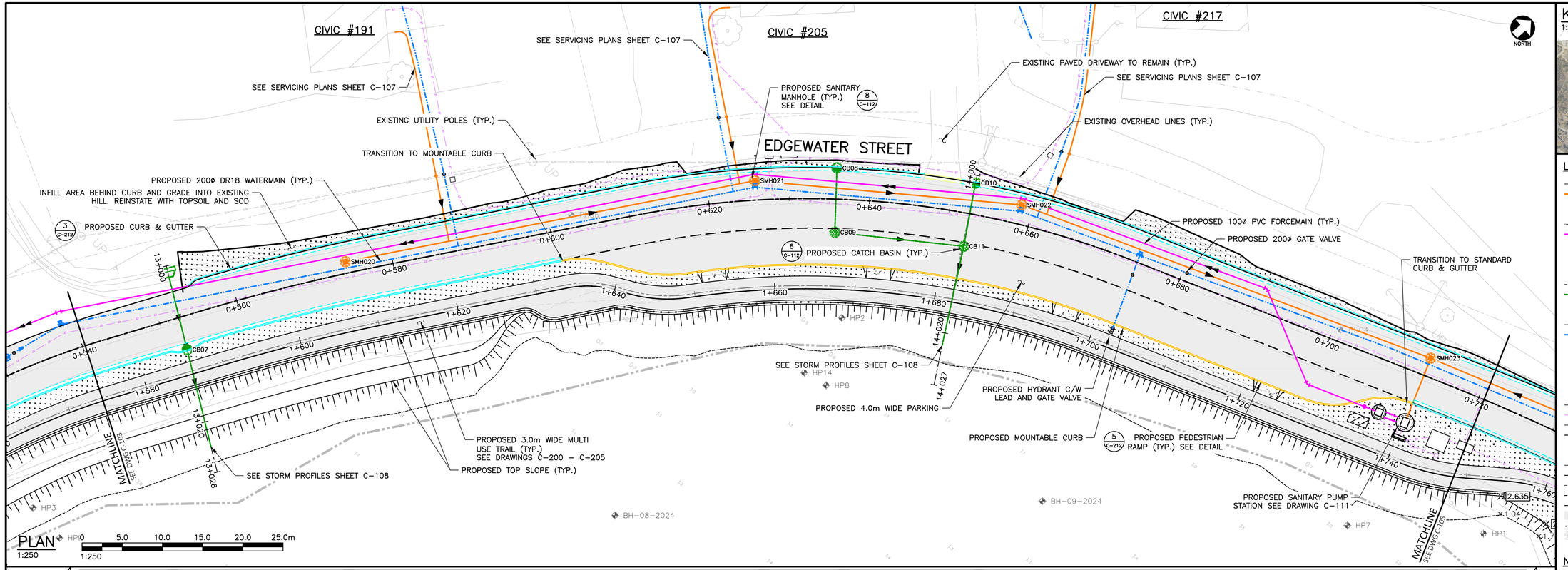
MUNICIPAL SERVICING

PLAN & PROFILE - UNDERGROUND UTILITIES SHEET 4 OF 6

CBCL

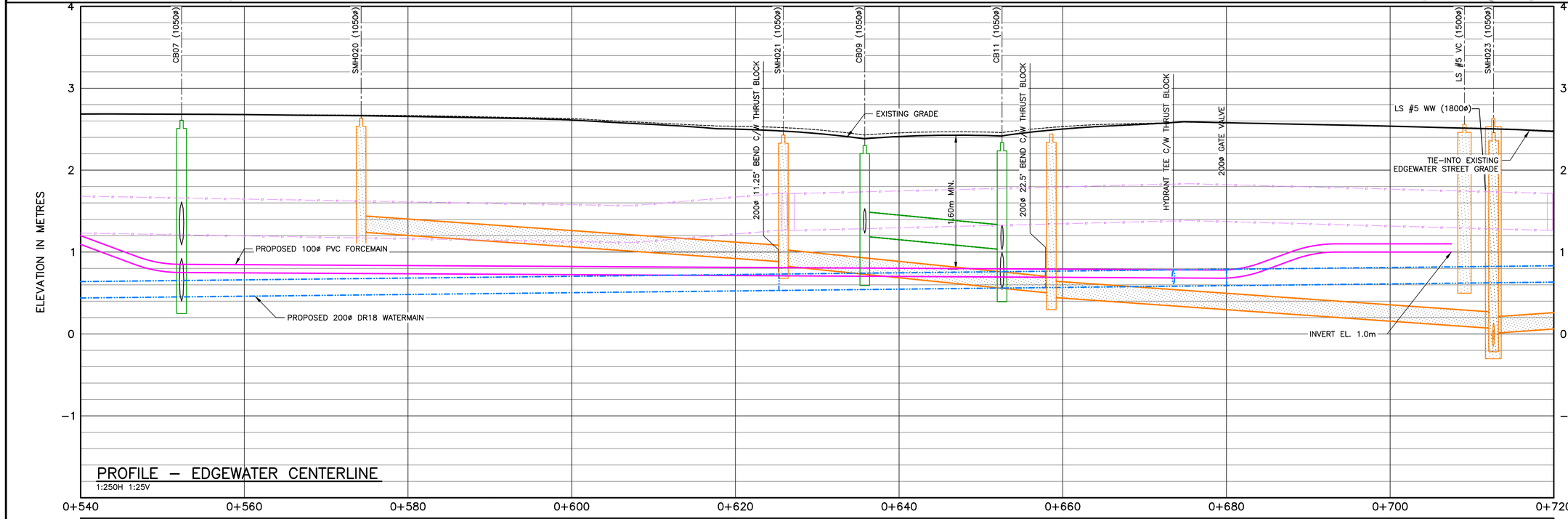
PROFESSIONAL ENGINEERS NOV 14/25 J.A. Baillie 7791 PROVINCE OF NOVA SCOTIA

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 12 of 37	
Drawing No **C-103**	



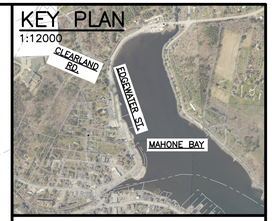
PLAN
1:250

0 5.0 10.0 15.0 20.0 25.0m
1:250



GRADE ELEVATION	2.69 2.685	2.68 2.679	2.67 2.656	2.63 2.613	2.54 2.501	2.45 2.410	2.53 2.502	2.58 2.579	2.53 2.537	2.48 2.473
SANITARY SEWER (PROP.)		1.243	51.896m–200ø SAN. PVC DR18 @ 0.70%	0.680 0.630		33.344m–200ø SAN. PVC DR18 @ 1.00%	0.497 0.447	54.331m–200ø SAN. PVC DR18 @ 0.70%	0.067 0.009	0.210
STORM SEWER (PROP.)					1.191	16.134m–300ø STM PVC DR35 @ 1.00%	1.030		28.783m–200ø SAN. PVC DR18 @ 0.70%	

KEY PLAN
1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

NOTES:

1. REINSTATE THE ROAD ASPHALT FROM STATION –0+150 TO 0+287 WITH BASE COURSE ASPHALT OVER TRENCH AREAS PER DETAIL 2 SHEET C–212. MILL 50mm TOTAL ROAD WIDTH AND REINSTATE WITH 50mm ASPHALT TYPE C–HF. FROM STATION 0+287 TO 0+841 THE EXISTING ROAD IS TO BE REMOVED AND RECONSTRUCTED PER DESIGN DRAWINGS.

No.	Description	Date	By
5	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
4	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
3	ISSUED FOR CURB CLARIFICATIONS	MAY 23/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

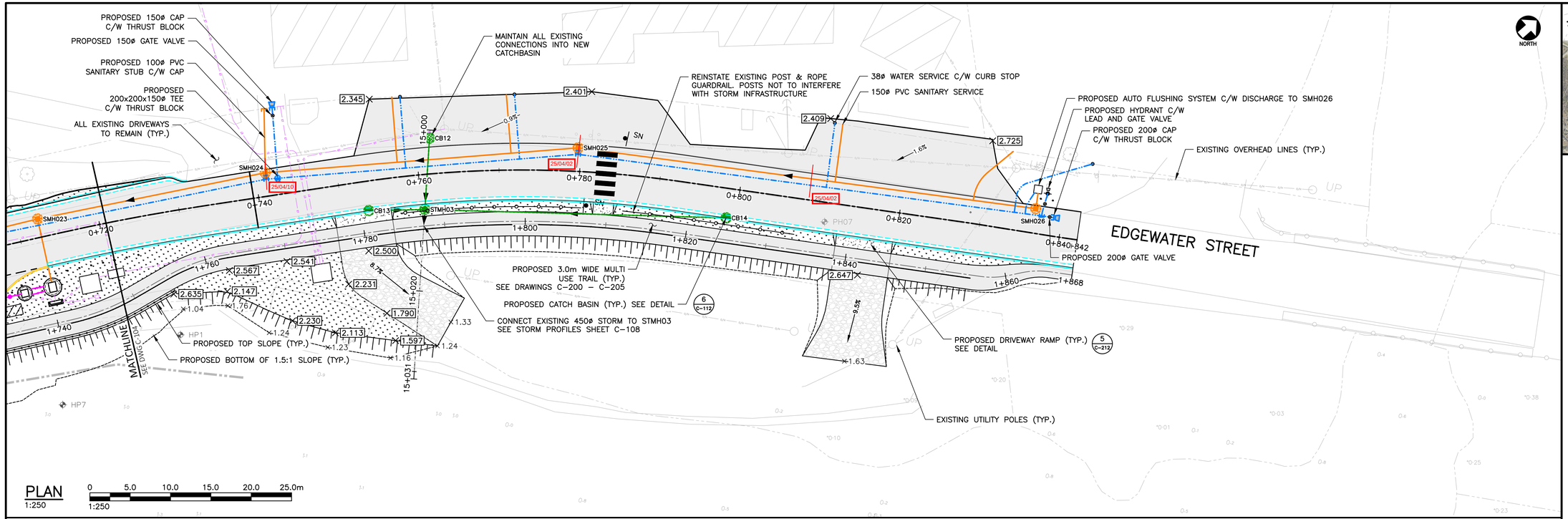
MUNICIPAL SERVICING

PLAN & PROFILE - UNDERGROUND UTILITIES SHEET 5 OF 6

CBCL

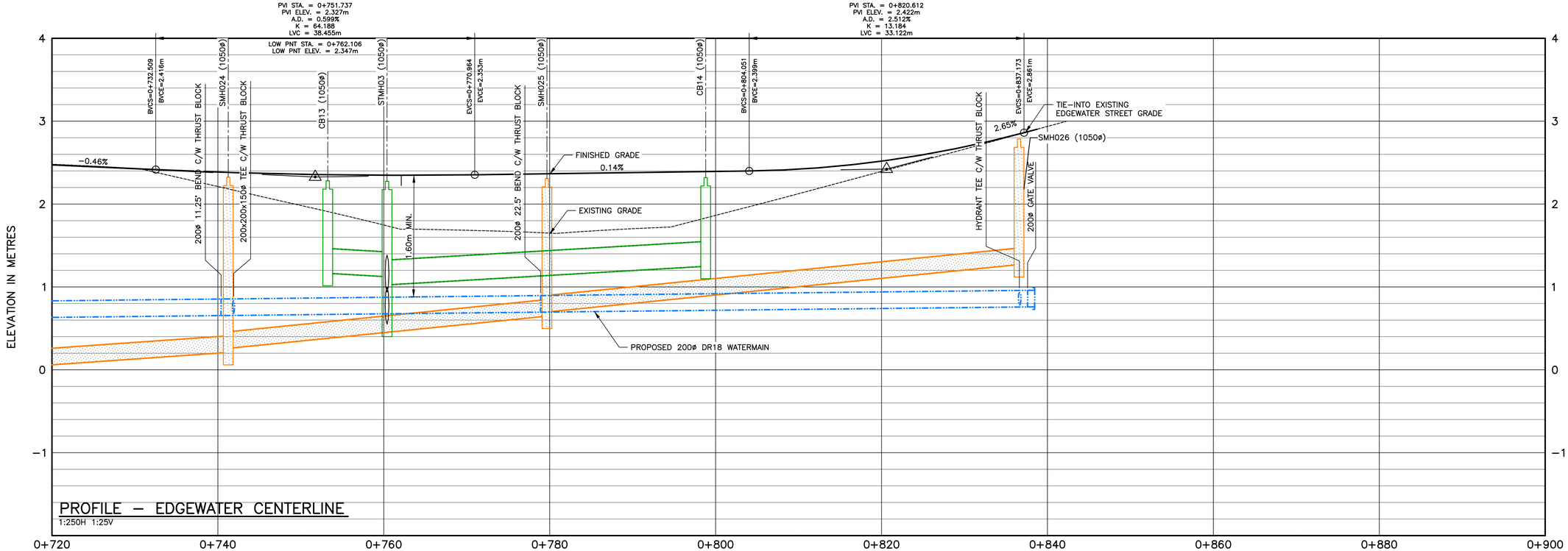
CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 13 of 37	
Drawing No C-104	

REGISTERED PROFESSIONAL ENGINEER Date: NOV 14/25 J.A. Baillie 7791 PROVINCE OF NOVA SCOTIA



PLAN
1:250

0 5.0 10.0 15.0 20.0 25.0m
1:250

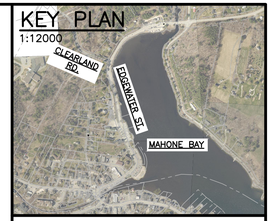


PROFILE – EDGEWATER CENTERLINE
1:250H 1:25V

	2.48				2.21				1.75				1.65				1.86				2.39			2.94
GRADE ELEVATION	2.473				2.385				2.348				2.366				2.394				2.518			
SANITARY SEWER (PROP.)	0.009	28.783m–200ø SAN. PVC DR18 @ 0.70%			0.210	0.259	38.917m–200ø SAN. PVC DR18 @ 1.00%				0.648	0.698	57.214m–200ø SAN. PVC DR18 @ 1.00%										1.270	
STORM SEWER (PROP.)									1.165		1.173	1.025	37.356m–300ø STM PVC DR35 @ 0.60%								1.249			

6.966m–300ø STM
PVC DR35 @ 0.60%

KEY PLAN
1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

NOTES:

1. REINSTATE THE ROAD ASPHALT FROM STATION –0+150 TO 0+287 WITH BASE COURSE ASPHALT OVER TRENCH AREAS PER DETAIL 2 SHEET C–212. MILL 50mm TOTAL ROAD WIDTH AND REINSTATE WITH 50mm ASPHALT TYPE C–HF. FROM STATION 0+287 TO 0+841 THE EXISTING ROAD IS TO BE REMOVED AND RECONSTRUCTED PER DESIGN DRAWINGS.

2. DO NOT REMOVE ROAD GRAVELS BETWEEN 0+728 AND 0+830.

No.	Description	Date	By
5	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
4	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
3	ISSUED FOR CURB CLARIFICATIONS	MAY 23/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

MUNICIPAL SERVICING

PLAN & PROFILE - UNDERGROUND UTILITIES SHEET 6 OF 6

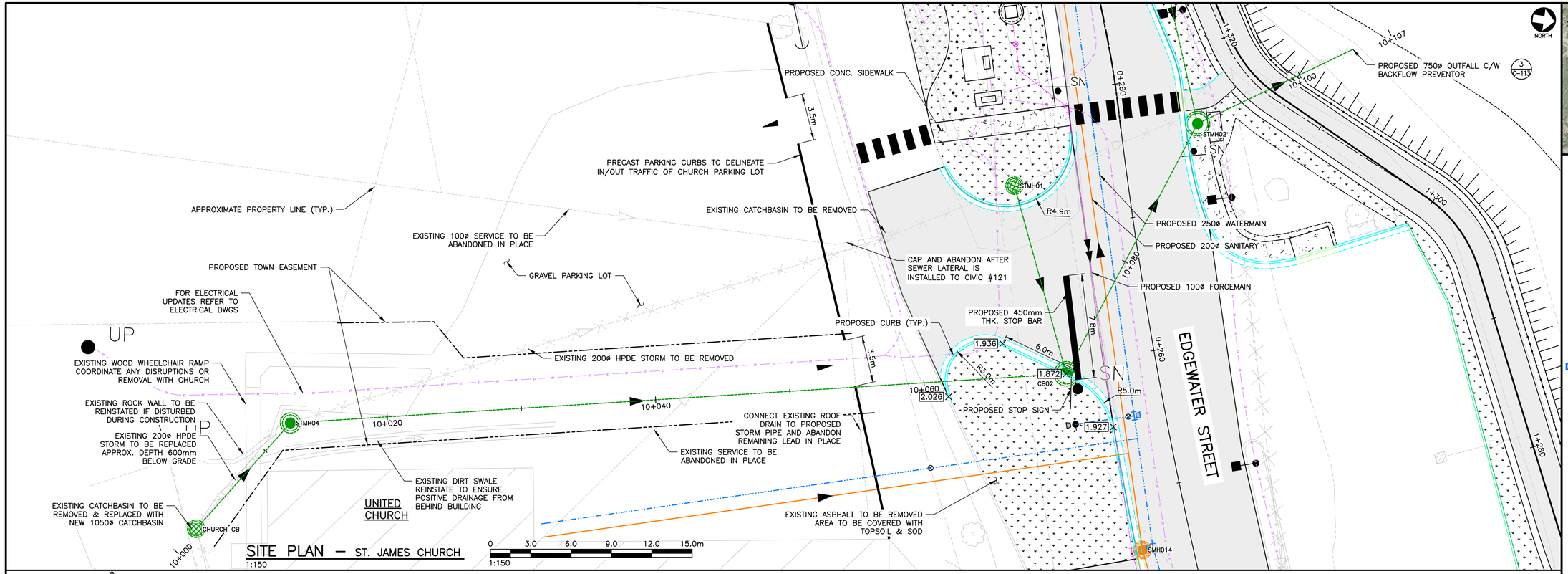
CBCL

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 14 of 37	
Drawing No C-105	

REGISTERED PROFESSIONAL ENGINEER PROVINCE OF NOVA SCOTIA
NOV 14/25
J. A. Bellis
7791

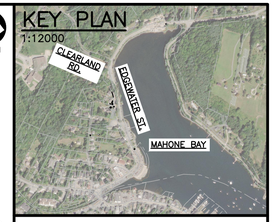
DRAWING NAME: \\CBCL.LAN\CBCL\HALIFAX\DATA\PROJECTS\2024\241016.00 MAHONE BAY EDGEWATER STREET REDEVELOPMENT\44 CAD\01 CIVIL\03 DRAWING SHEETS\241016.00 - SITE PLAN.DWG LAYOUT NAME: PLAN & PROFILE - UNDERGROUND UTILITIES SHEET 6 OF 6 PLOT DATE: Friday, November 14, 2025 3:58:10 PM CAD OPERATOR: DSWINAMER

CBCL-610x914 TITLE SHEET (ARCH D)



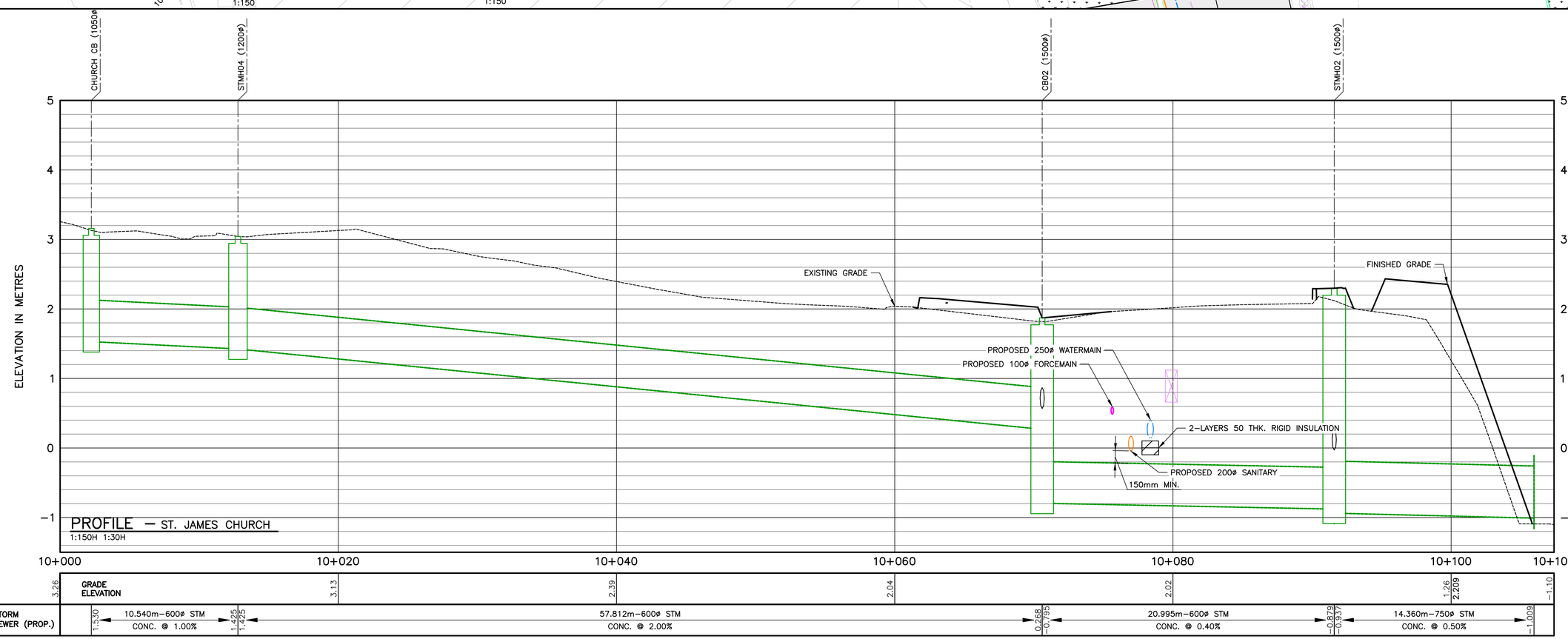
SITE PLAN – ST. JAMES CHURCH

1:150



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)



No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

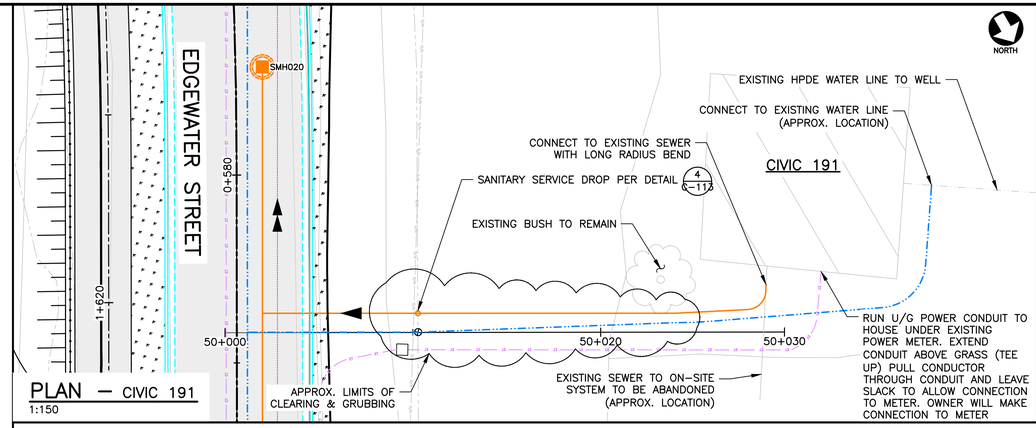
MUNICIPAL SERVICING

PLAN & PROFILE - UNITED CHURCH DRAINAGE

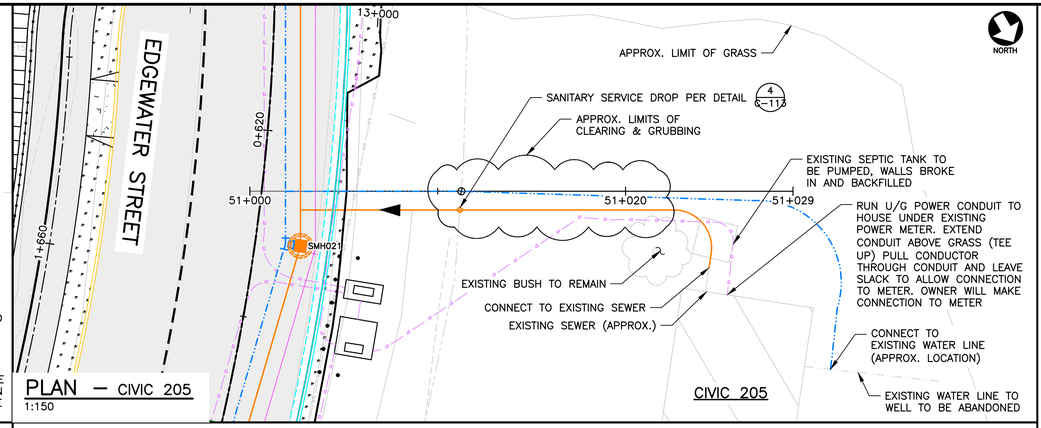
CBCL

REGISTERED PROFESSIONAL ENGINEER — NOV 14/25 — J.A. Baillie — 7791 — PROVINCE OF NOVA SCOTIA

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 15 of 37	
Drawing No C-106	

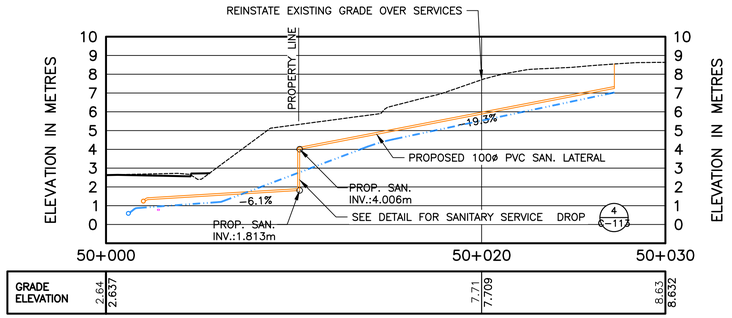


PLAN – CIVIC 191
1:150

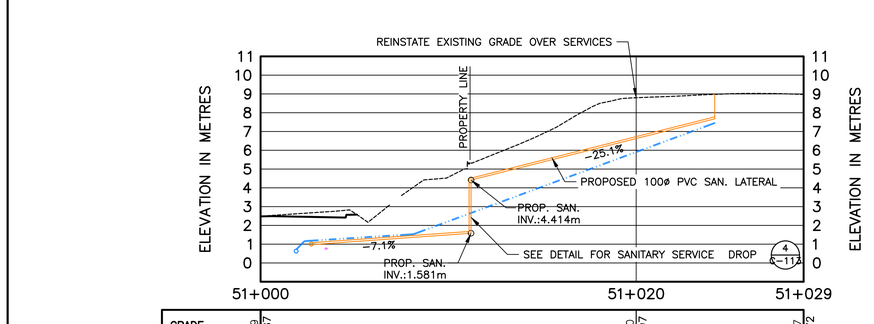


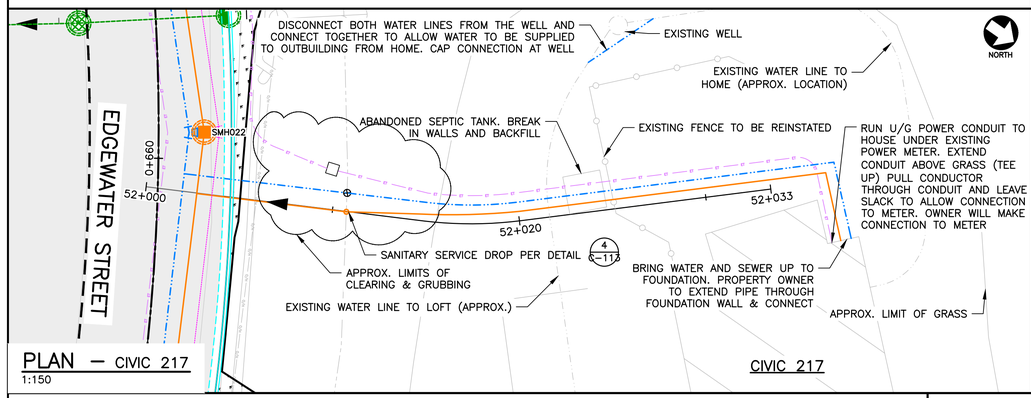
PLAN – CIVIC 205
1:150

PROFILE – CIVIC 191
1:150H 1:150V

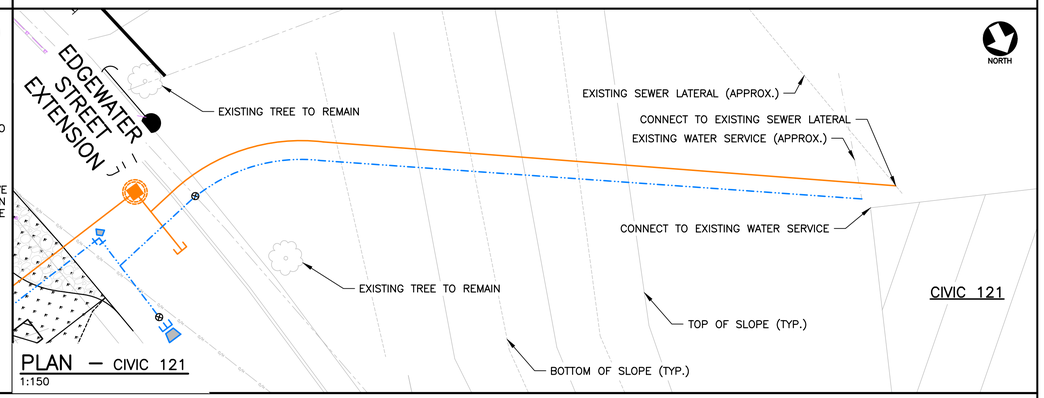


PROFILE – CIVIC 205
1:150H 1:150V



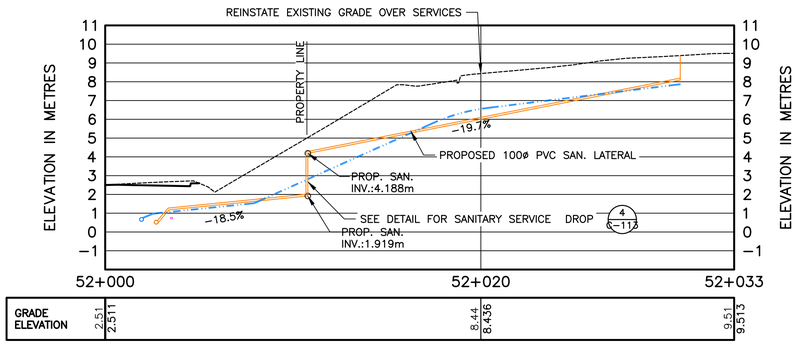


PLAN – CIVIC 217
1:150

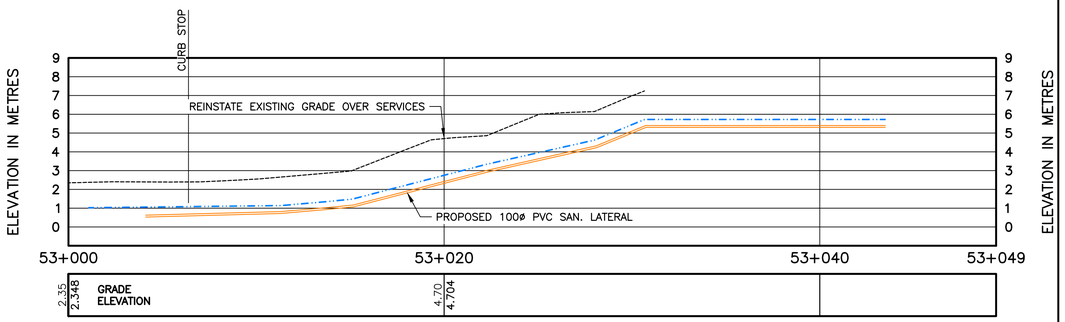


PLAN – CIVIC 121
1:150

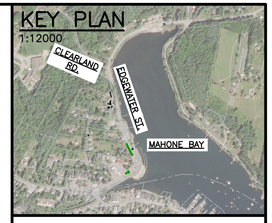
PROFILE – CIVIC 217
1:150H 1:150V



PROFILE – CIVIC 121
1:150H 1:150V



KEY PLAN
1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)

NOTES:

1. CONTRACTOR TO CONFIRM EXACT WATER AND SANITARY SERVICE ENTRY LOCATIONS AND DEPTHS.
2. OWNER HAS COMMUNICATED THESE CHANGES TO THE PROPERTY OWNERS. MEET WITH EACH PROPERTY OWNER, TOWN WILL ARRANGE INITIAL MEETING TO COORDINATE WORK SCHEDULE.

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

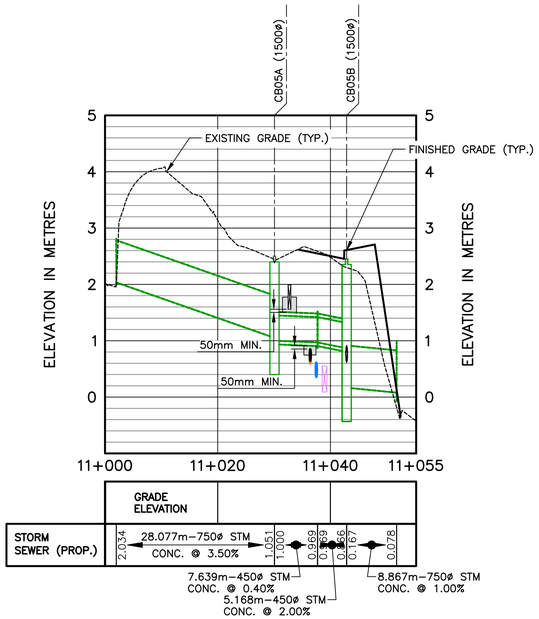
MUNICIPAL SERVICING

PLAN & PROFILE - CIVIC 121, 191, 205 & 217

CBCL

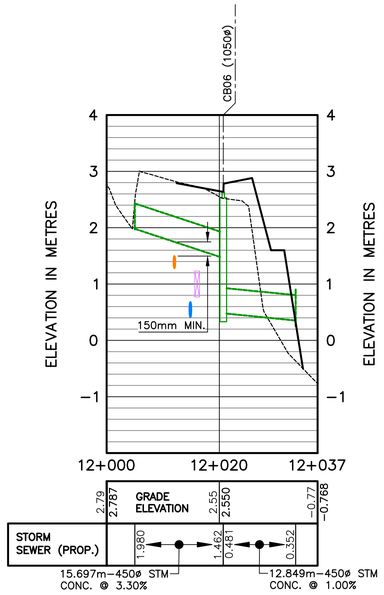
CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 16 of 37	
Drawing No C-107	

REGISTERED PROFESSIONAL ENGINEER PROVINCE OF NOVA SCOTIA 7791 J.A. Baillie DATE: NOV 14/25



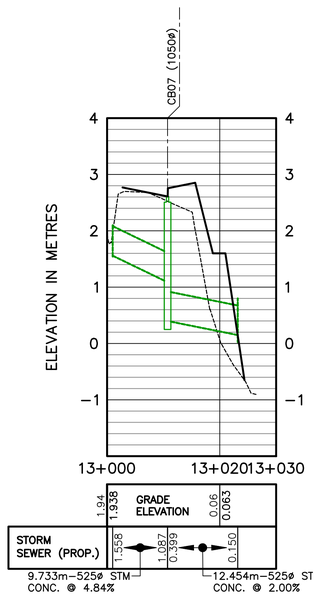
PROFILE – STORM SEWER

1:500H 1:50V – SEE SHEET C–103



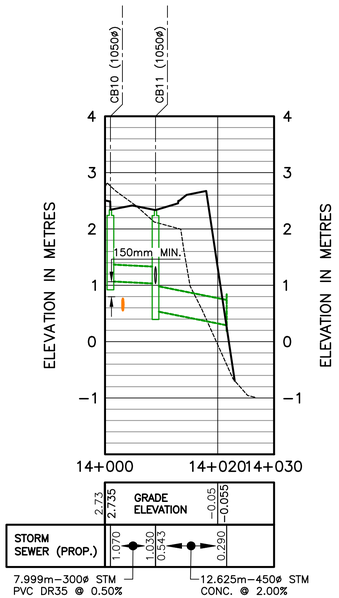
PROFILE – STORM SEWER

1:500H 1:50V – SEE SHEET C–104



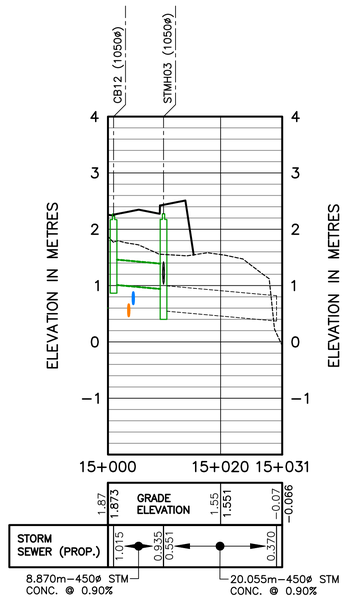
PROFILE – STORM SEWER

1:500H 1:50V – SEE SHEET C–104



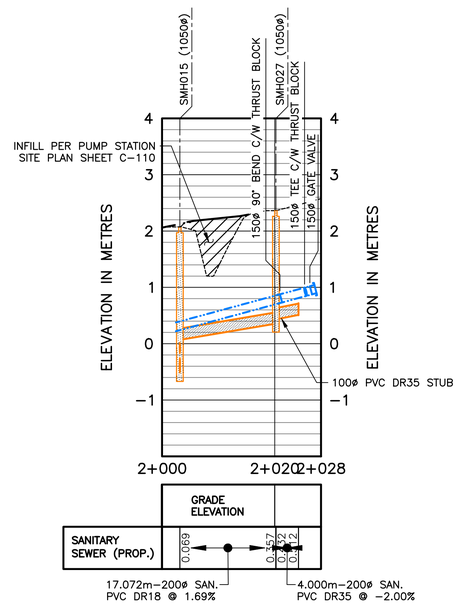
PROFILE – STORM SEWER

1:500H 1:50V – SEE SHEET C–105



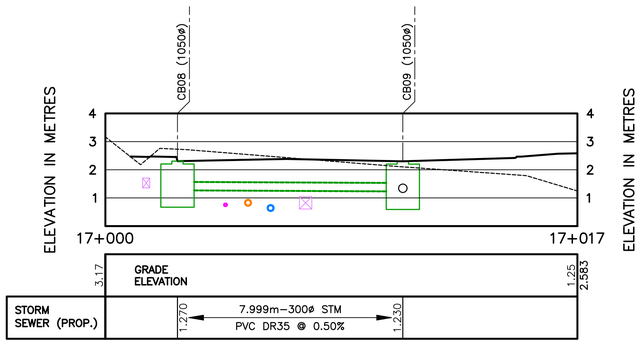
PROFILE – STORM SEWER

1:500H 1:50V – SEE SHEET C–105



PROFILE – EDGEWATER STREET EXTENSION

1:500H 1:50V – SEE SHEET C–103



PROFILE – CB08–CB09

1:100H 1:100V – SEE SHEET C–104



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

No.	Description	Date	By
6	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
5	ISSUED FOR SI-10	SEP 12/25	JAB
4	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
3	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
2	ISSUED FOR SI-01	MAR 28/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

MUNICIPAL SERVICING

PLAN & PROFILE - MISCELLANEOUS PROFILES

CBCL

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 17 of 37	
Drawing No C-108	

REGISTERED PROFESSIONAL ENGINEER — Date NOV 14/25 — J. A. Baillie — 7791 — PROVINCE OF NOVA SCOTIA

SANITARY MH DATA

MANHOLE	STRUCTURE SIZE	NORTHING EASTING	PIPE	DETAILS	SLOPE
EX. SMH01	1800Ø	4922695.35 390022.72	450ø 200ø 200ø 450ø	RIM = 2.64 INV IN = 1.07 INV IN = 1.35 INV IN = 1.26 INV OUT = 1.07	1.00% 1.00% 1.00% 1.00%
SMH001	1050Ø	4922696.05 390031.12	450ø 450ø	RIM = 2.33 INV IN = 0.99 INV OUT = 0.64	1.00% 2.00%
SMH002	1050Ø	4922697.76 390053.31	450ø 450ø	RIM = 1.95 INV IN = 0.20 INV OUT = 0.14	2.00% 1.00%
SMH003	1050Ø	4922713.08 390081.46	450ø 450ø	RIM = 1.81 INV IN = −0.18 INV OUT = −0.18	1.00% 0.60%
SMH004	1050Ø	4922735.17 390131.74	450ø 450ø	RIM = 1.74 INV IN = −0.51 INV OUT = −0.51	0.60% 0.60%
SMH005	1050Ø	4922748.51 390156.87	450ø 450ø	RIM = 1.61 INV IN = −0.68 INV OUT = −0.68	0.60% 0.75%
SMH006A	1050Ø	4922759.28 390176.73	450ø 450ø	RIM = 1.57 INV IN = −0.85 INV OUT = −0.85	0.75% 0.75%
SMH006B	1200Ø	4922768.82 390186.09	450ø 200ø 450ø 450ø	RIM = 1.67 INV IN = −0.95 INV IN = −0.66 INV IN = −1.05 INV OUT = −1.05	0.75% 0.60% 6.08% 0.00%
SMH007A	1050Ø	4922773.39 390186.92	200ø 200ø	RIM = 1.64 INV IN = −0.59 INV OUT = −0.64	0.60% 0.60%
SMH007B	1050Ø	4922788.81 390204.47	200ø 200ø	RIM = 1.87 INV IN = −0.39 INV OUT = −0.45	0.60% 0.60%
SMH008	1050Ø	4922803.61 390212.29	200ø 200ø	RIM = 1.91 INV IN = −0.23 INV OUT = −0.29	0.60% 0.60%
SMH009	1050Ø	4922819.77 390213.81	200ø 200ø	RIM = 1.80 INV IN = −0.07 INV OUT = −0.13	0.60% 0.60%
SMH010	1050Ø	4922838.81 390207.65	200ø 200ø	RIM = 1.62 INV IN = 0.11 INV OUT = 0.05	0.70% 0.60%
SMH011	1050Ø	4922889.19 390182.53	200ø	RIM = 1.69 INV OUT = 0.50	0.70%
SMH013	1050Ø	4922923.29 390165.98	200ø	RIM = 1.78 INV IN = 0.35	−0.70%
SMH014	1050Ø	4922962.39 390153.39	200ø 200ø	RIM = 1.92 INV IN = 0.06 INV OUT = 0.06	−0.50% −0.70%
SMH015	1050Ø	4923008.64 390145.55	200ø 200ø 200ø 200ø	RIM = 2.07 INV IN = −0.44 INV IN = 0.07 INV OUT = −0.18 INV OUT = −0.52	0.60% 1.69% −0.50% 1.00%
SMH016	1050Ø	4923109.26 390128.74	200ø 200ø	RIM = 2.42 INV IN = 0.17 INV OUT = 0.17	0.60% 0.60%
SMH017	1050Ø	4923181.83 390107.97	200ø 200ø	RIM = 2.60 INV IN = 0.67 INV OUT = 0.62	1.00% 0.60%
SMH018	1050Ø	4923203.37 390103.46	200ø 200ø	RIM = 2.79 INV IN = 0.95 INV OUT = 0.89	1.00% 1.00%

SANITARY MH DATA

MANHOLE	STRUCTURE SIZE	NORTHING EASTING	PIPE	DETAILS	SLOPE
SMH019	1050Ø	4923240.92 390104.06	200ø	RIM = 2.86 INV OUT = 1.33	1.00%
SMH020	1050Ø	4923282.43 390126.85	200ø	RIM = 2.64 INV OUT = 1.24	0.70%
SMH021	1050Ø	4923327.22 390153.05	200ø 200ø	RIM = 2.43 INV IN = 0.88 INV OUT = 0.83	0.70% 1.00%
SMH022	1050Ø	4923350.10 390177.31	200ø 200ø	RIM = 2.44 INV IN = 0.50 INV OUT = 0.45	1.00% 0.70%
SMH023	1050Ø	4923375.56 390225.30	200ø 200ø 200ø	RIM = 2.46 INV IN = 0.07 INV IN = 0.01 INV OUT = −0.07	0.70% 0.70% 1.00%
SMH024	1050Ø	4923388.06 390251.23	200ø 200ø	RIM = 2.32 INV IN = 0.26 INV OUT = 0.21	1.00% 0.70%
SMH025	1050Ø	4923400.61 390288.07	200ø 200ø	RIM = 2.31 INV IN = 0.70 INV OUT = 0.65	1.00% 1.00%
SMH026	1050Ø	4923407.26 390344.89	200ø	RIM = 2.78 INV OUT = 1.27	1.00%
SMH027	1050Ø	4923005.58 390128.76	200ø 200ø	RIM = 2.36 INV OUT = 0.36 INV OUT = 0.43	1.69% −2.00%

STORM MH/CB DATA

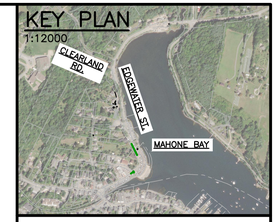
MANHOLE	STRUCTURE SIZE	NORTHING EASTING	PIPE	DETAILS	SLOPE
CB01A	1050Ø	4922744.64 390140.71	375ø	RIM = 1.66 INV OUT = 0.48	0.50%
CB02	1500Ø	4922975.33 390147.40	600ø 300ø 600ø	RIM = 1.87 INV IN = 0.27 INV OUT = 0.57 INV OUT = −0.79	2.00% −1.00% 0.40%
CB03	1050Ø	4923016.56 390151.10	300ø 300ø	RIM = 2.20 INV IN = 0.20 INV OUT = 0.20	5.00% 1.00%
CB04A	1050Ø	4923081.89 390139.35	300ø	RIM = 2.46 INV OUT = 0.41	2.00%
CB04B	1050Ø	4923138.30 390126.28	300ø	RIM = 2.49 INV OUT = 0.83	0.50%
CB05A	1500Ø	4923176.76 390102.82	750ø 450ø	RIM = 2.50 INV IN = 1.05 INV OUT = 1.00	3.50% 0.40%
CB05B	1500Ø	4923179.80 390115.26	450ø 300ø 750ø	RIM = 2.45 INV IN = 0.87 INV IN = 0.62 INV OUT = 0.17	2.00% 0.50% 1.00%
CB06	1050Ø	4923233.18 390111.64	450ø 450ø	RIM = 2.63 INV IN = 1.46 INV OUT = 0.48	3.30% 1.00%
CB07	1050Ø	4923260.40 390121.98	525ø 525ø	RIM = 2.61 INV IN = 1.09 INV OUT = 0.40	4.84% 2.00%
CB08	1050Ø	4923335.92 390158.63	300ø	RIM = 2.31 INV OUT = 1.27	0.50%
CB09	1050Ø	4923330.43 390164.44	300ø 300ø	RIM = 2.30 INV IN = 1.23 INV OUT = 1.19	0.50% 1.00%
CB10	1050Ø	4923347.59 390171.46	300ø	RIM = 2.34 INV OUT = 1.07	0.50%
CB11	1050Ø	4923341.28 390176.38	300ø 300ø 450ø	RIM = 2.34 INV IN = 1.03 INV IN = 1.03 INV OUT = 0.54	1.00% 0.50% 2.00%
CB12	1050Ø	4923397.24 390269.92	450ø	RIM = 2.27 INV OUT = 1.02	0.90%
CB13	1050Ø	4923386.66 390264.82	300ø	RIM = 2.28 INV OUT = 1.16	0.60%
CB14	1050Ø	4923396.70 390307.98	300ø	RIM = 2.32 INV OUT = 1.25	0.60%
CB015	1500Ø	4922720.85 390107.31	375ø 375ø 600ø	RIM = 1.59 INV IN = 0.40 INV IN = 0.26 INV OUT = 0.03	0.50% 0.50% 0.50%
CB016	1050Ø	4922729.07 390107.90	375ø 375ø	RIM = 1.82 INV IN = 0.30 INV OUT = 0.30	0.50% 0.50%
CB017	1050Ø	4922711.46 390070.89	375ø 375ø	RIM = 1.73 INV IN = 0.65 INV OUT = 0.59	0.50% 0.50%
CB018	1050Ø	4922694.30 390065.32	375ø	RIM = 1.75 INV OUT = 0.74	0.50%

STORM MH/CB DATA

MANHOLE	STRUCTURE SIZE	NORTHING EASTING	PIPE	DETAILS	SLOPE
CB019	1500Ø	4922715.71 390120.44	600ø 600ø	RIM = 1.61 INV IN = −0.04 INV OUT = −0.04	0.50% 0.50%
CHURCH CB	1050Ø	4922962.18 390083.00	600ø	RIM = 3.16 INV OUT = 1.53	1.00%
STMH01	1050Ø	4922989.19 390143.20	300ø	RIM = 1.95 INV IN = 0.71	−1.00%
STMH02	1500Ø	4922994.16 390156.69	600ø 300ø 750ø	RIM = 2.30 INV IN = −0.88 INV IN = −0.03 INV OUT = −0.94	0.40% 1.00% 0.50%
STMH03	1050Ø	4923388.52 390271.53	450ø 300ø 300ø 450ø	RIM = 2.27 INV IN = 0.93 INV IN = 1.12 INV IN = 1.02 INV OUT = 0.55	0.90% 0.60% 0.60% 0.90%
STMH04	1200Ø	4922970.23 390089.81	600ø 600ø	RIM = 3.04 INV IN = 1.42 INV OUT = 1.42	1.00% 2.00%

KEY PLAN

1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)

No.	Description	Date	By
7	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
6	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
5	ISSUED FOR SI-04	APR 21/25	JAB
4	ISSUED FOR SI-03	APR 15/25	JAB
3	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
2	ISSUED FOR SI-01	MAR 28/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

MUNICIPAL SERVICING

STORM AND SANITARY STRUCTURE TABLES

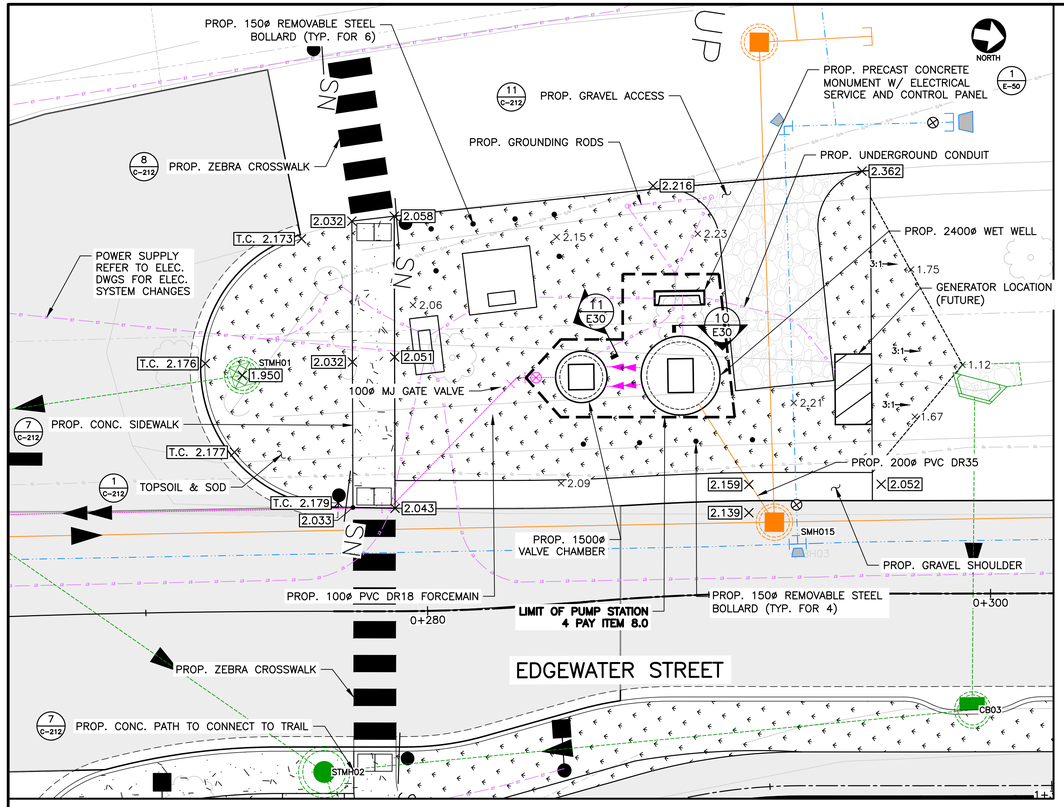
CBCL



CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 18 of 37	
Drawing No C-109	

DRAWING NAME: \\CBCL.LAN\CBCL\HALIFAX\DATA\PROJECTS\2024\241016.00 MAHONE BAY EDGEWATER STREET REDEVELOPMENT\44 CAD\01 CIVIL\03 DRAWING SHEETS\241016.00 - SITE SERVICING PLANS.DWG LAYOUT NAME: STORM AND SANITARY STRUCTURE TABLES PLOT DATE: Friday, November 14, 2025 8:03:51 AM CAD OPERATOR: DSWINAMER

CBCL-610x914 TITLE SHEET (ARCH D)



SITE PLAN — PUMP STATION #4
1:100

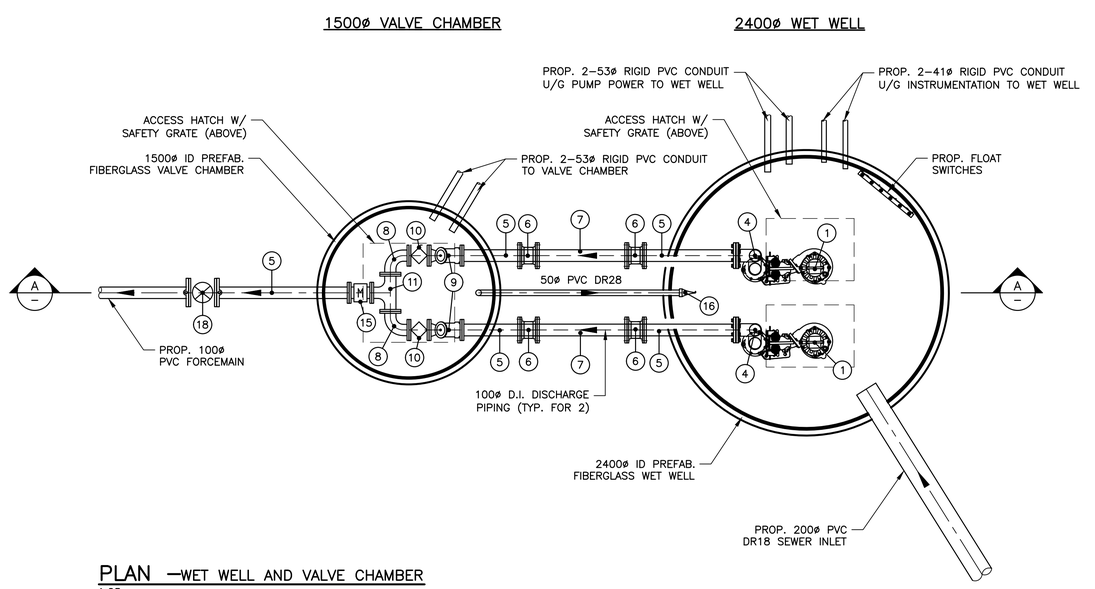
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LIST OF FITTINGS

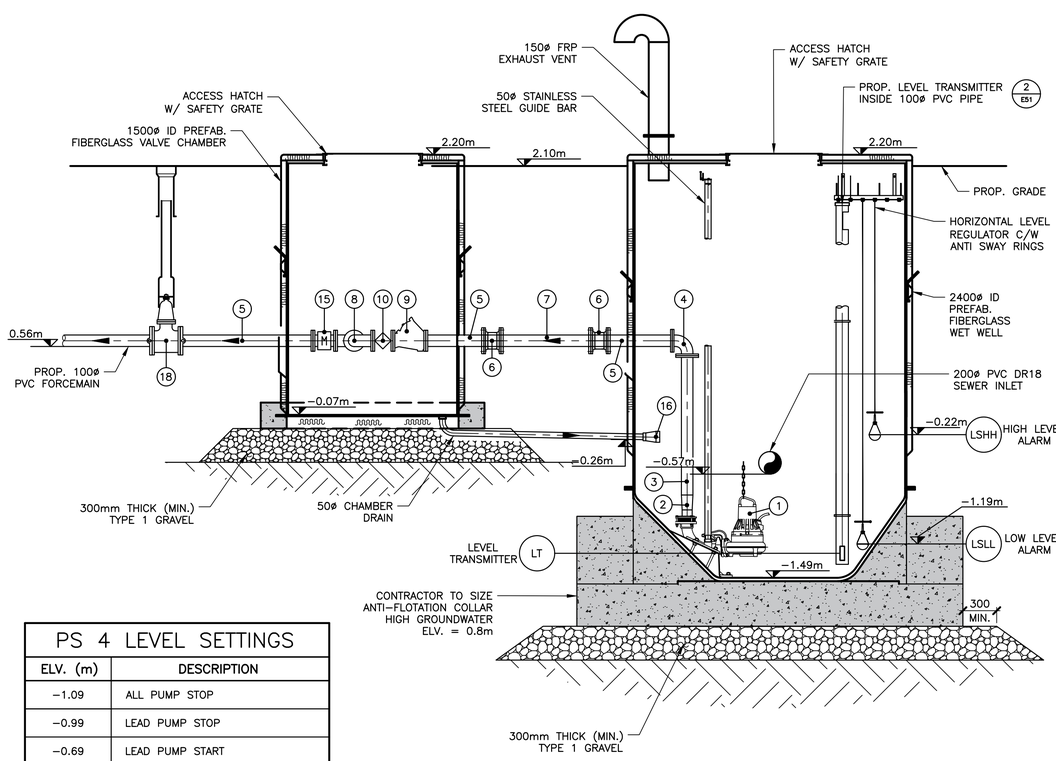
No.	QTY.	DESCRIPTION
1	2	SUBMERSIBLE PUMP C/W DISCHARGE BASE, LIFTING CHAINS, S.S. GUIDE BARS, & ACCESSORIES
2	2	150x100ø STAINLESS STEEL REDUCER (FLG.)
3	2	100ø STAINLESS STEEL MAKE UP PIPE (FLG.–FLG.)
4	2	100ø STAINLESS STEEL 90° BEND (FLG.)
5	5	100ø DUCTILE IRON MAKE UP PIPE (FLG.–P.E.)
6	4	100ø DUCTILE IRON SOLID SLEEVE COUPLING (M.J.)
7	2	100ø DUCTILE IRON MAKE UP PIPE (P.E.–P.E.)
8	2	100ø DUCTILE IRON 90° BEND (FLG.)
9	2	100ø SWING FLEX CHECK VALVE (FLG.)
10	2	100ø PLUG VALVE (FLG.)
11	1	100ø DUCTILE IRON TEE (FLG.)
12	1	~~100ø DUCTILE IRON BLIND FLANGE W/ 50ø TAP (NPT)~~
13	1	~~50ø SHORT BODY SEWAGE AIR RELEASE VALVE~~
14	1	100ø DUCTILE IRON MAKE UP PIPE (FLG.–FLG.)
15	1	100ø ELECTROMAGNETIC FLOW METER (FLG.)
16	1	100ø TIDE–FLEX CHECK VALVE
17	1	50ø BALL VALVE
18	1	100ø GATE VALVE (M.J.)

PS 4 LEVEL SETTINGS

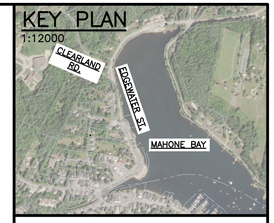
ELV. (m)	DESCRIPTION
–1.09	ALL PUMP STOP
–0.99	LEAD PUMP STOP
–0.69	LEAD PUMP START
–0.37	LAG PUMP START



PLAN —WET WELL AND VALVE CHAMBER
1:25



A — SECTION — WET WELL AND VALVE CHAMBER
1:25



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

No.	Description	Date	By
6	ISSUED FOR SI-13	JAN 20/26	JAB
5	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
4	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
3	ISSUED FOR SI-06	JUL 24/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

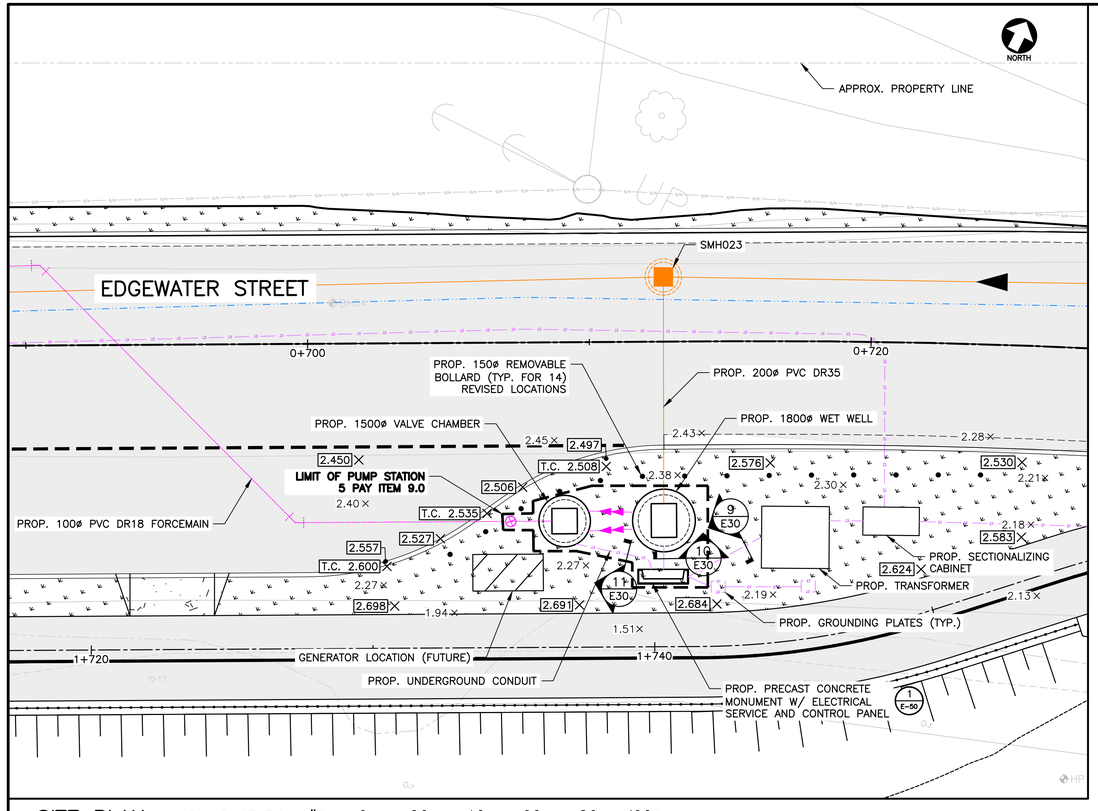
EDGEWATER STREET IMPROVEMENTS

MUNICIPAL SERVICING

SITE PLAN - PUMP STATION #4

CBCL

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 17 of 37	
Drawing No C-110	



SITE PLAN — PUMP STATION #5
1:100

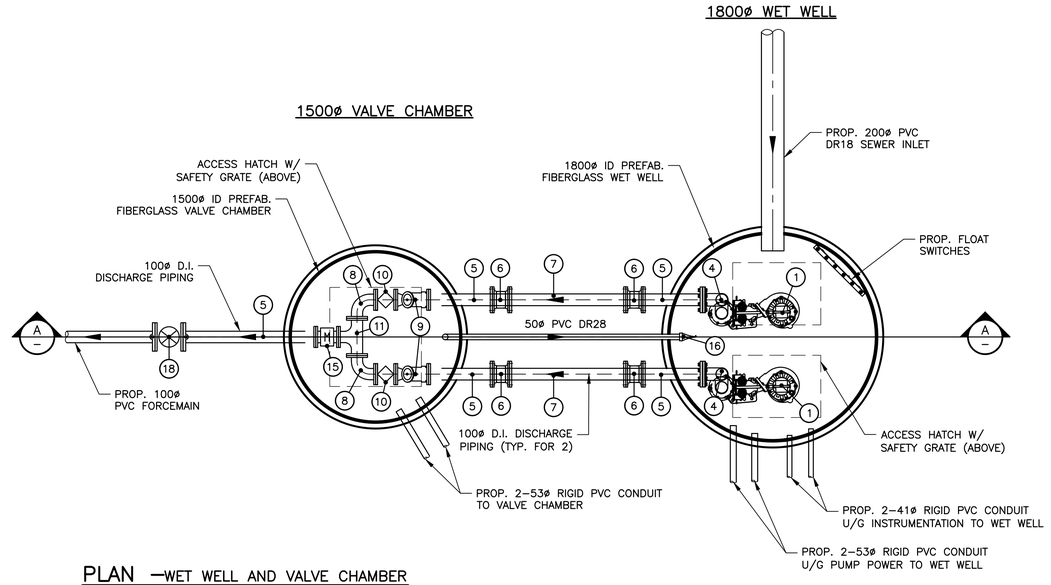
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LIST OF FITTINGS

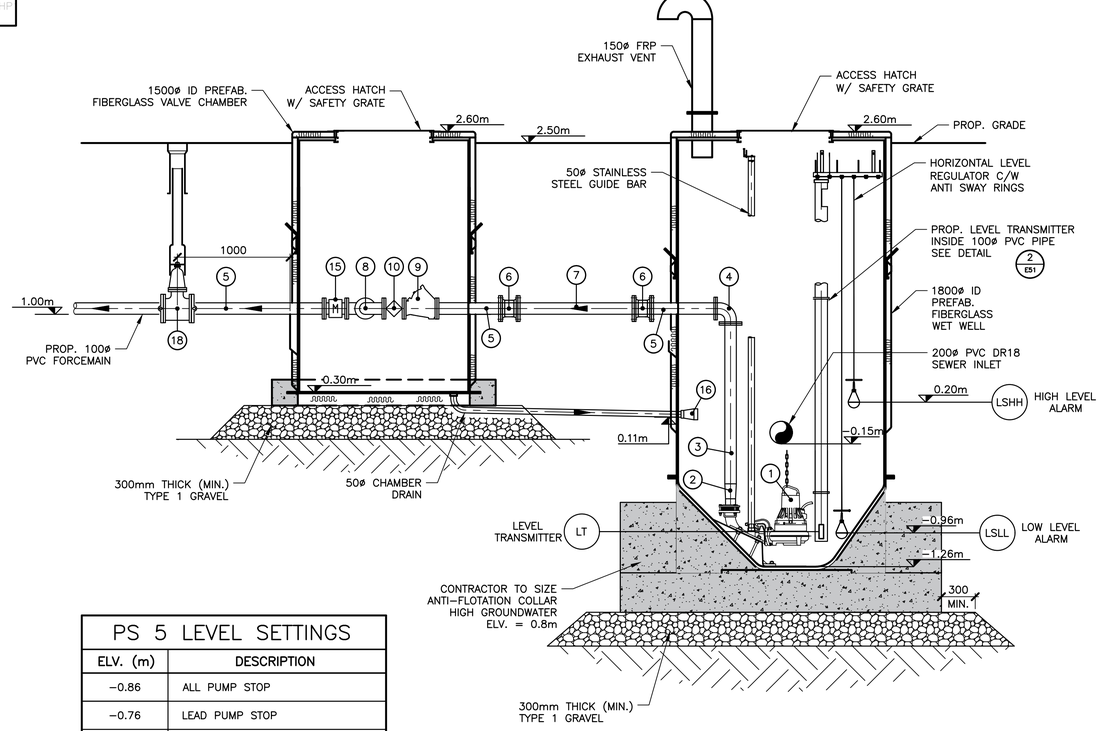
No.	QTY.	DESCRIPTION
1	2	SUBMERSIBLE PUMP C/W DISCHARGE BASE, LIFTING CHAINS, S.S. GUIDE BARS, & ACCESSORIES
2	2	150x100ø STAINLESS STEEL REDUCER (FLG.)
3	2	100ø STAINLESS STEEL MAKE UP PIPE (FLG.–FLG.)
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6	4	100ø DUCTILE IRON SOLID SLEEVE COUPLING (M.J.)
7	2	100ø DUCTILE IRON MAKE UP PIPE (P.E.–P.E.)
8	2	100ø DUCTILE IRON 90° BEND (FLG.)
9	2	100ø SWING FLEX CHECK VALVE (FLG.)
10	2	100ø PLUG VALVE (FLG.)
11	1	100ø DUCTILE IRON TEE (FLG.)
12	1	~~100ø DUCTILE IRON BLIND FLANGE W/ 50ø TAP (NPT)~~
13	1	~~50ø SHORT BODY SEWAGE AIR RELEASE VALVE~~
14	1	100ø DUCTILE IRON MAKE UP PIPE (FLG.–FLG.)
15	1	100ø ELECTROMAGNETIC FLOW METER (FLG.)
16	1	100ø TIDE–FLEX CHECK VALVE
17	1	50ø BALL VALVE
18	1	100ø GATE VALVE (M.J.)

PS 5 LEVEL SETTINGS

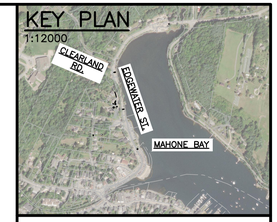
ELV. (m)	DESCRIPTION
–0.86	ALL PUMP STOP
–0.76	LEAD PUMP STOP
–0.30	LEAD PUMP START
0.05	LAG PUMP START



PLAN —WET WELL AND VALVE CHAMBER
1:25



SECTION — WET WELL AND VALVE CHAMBER
A
1:25



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

No.	Description	Date	By
6	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
5	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
4	ISSUED FOR SI-06	JUL 24/25	JAB
3	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
2	ISSUED FOR SI-01	MAR 28/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

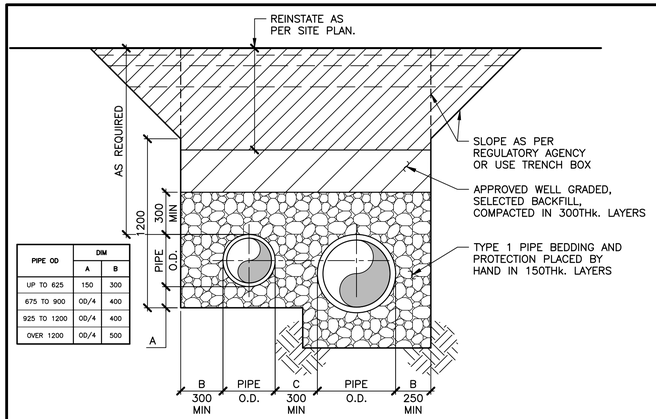
MUNICIPAL SERVICING

SITE PLAN - PUMP STATION #5

CBCL

PROFESSIONAL ENGINEER — NOV 14/25 — J.A. Baillie — 7791 — PROVINCE OF NOVA SCOTIA

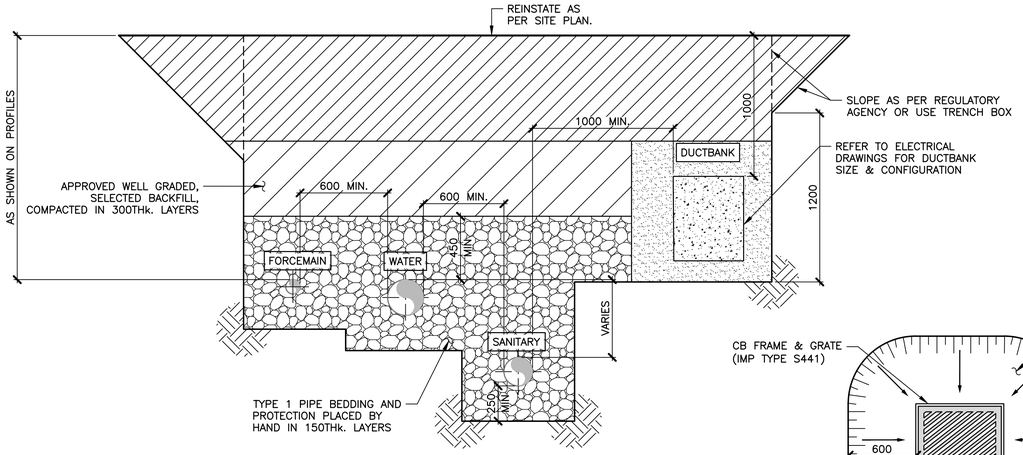
CBCL No	Contract No
241016.00	
Date	Scale
MAY 2024	AS NOTED
Designed	Drawn
CM/DS	DS
Checked	Approved
JAB	JAB
Sheet No	
18 of 37	
Drawing No	
C-111	



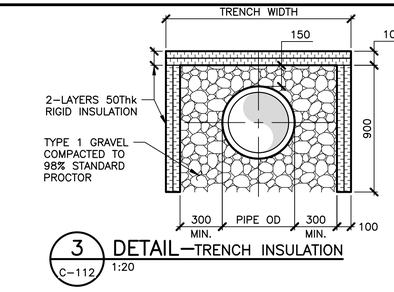
PIPE OD	DIM	
	A	B
UP TO 625	150	300
675 TO 900	OD/4	400
925 TO 1200	OD/4	400
OVER 1200	OD/4	500

1 C-112 DETAIL—TYPICAL TRENCH – TWO PIPES 1:20

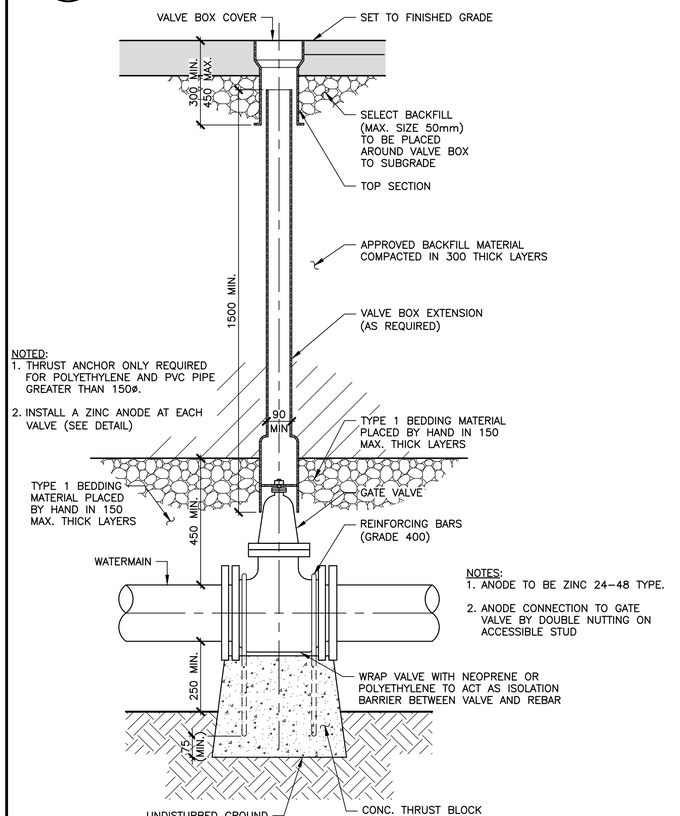
NOTES:
1. DIMENSION 'C' IS GOVERNED BY THE LARGER PIPE.
2. SIDES OF TRENCHES TO MEET REQUIREMENTS OF DEPARTMENT OF LABOUR.
3. IF CROWNS OF STORMWATER AND WASTEWATER SEWERS ARE NOT MATCHED, THE INVERT OF THE STORMWATER SEWER MUST BE AT LEAST 100mm LOWER THAN THE INVERT OF THE WASTEWATER SEWER.
4. WHEN CONCRETE PIPE IS SPECIFIED FOR A WASTEWATER PIPE, A GEOTECHNICAL REPORT BY A P.ENG MUST BE UNDERTAKEN TO ENSURE STABILITY OF SUBBASE.



2 C-112 DETAIL—TYPICAL TRENCH – 3 PIPES & DUCTBANK 1:20



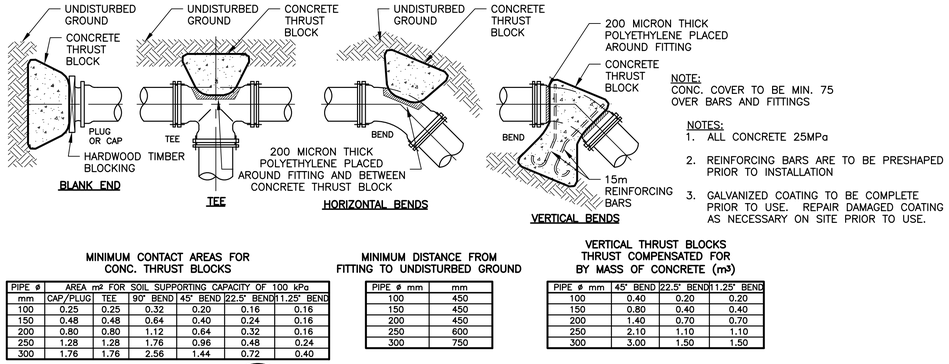
3 C-112 DETAIL—TRENCH INSULATION 1:20



NOTED:
1. THRUST ANCHOR ONLY REQUIRED FOR POLYETHYLENE AND PVC PIPE GREATER THAN 150ø.
2. INSTALL A ZINC ANODE AT EACH VALVE (SEE DETAIL)

NOTES:
1. ANODE TO BE ZINC 24–48 TYPE.
2. ANODE CONNECTION TO GATE VALVE BY DOUBLE NUTTING ON ACCESSIBLE STUD

4 C-112 DETAIL—GATE VALVE AND BOX 1:10



NOTE:
CONC. COVER TO BE MIN. 75 OVER BARS AND FITTINGS

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.

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

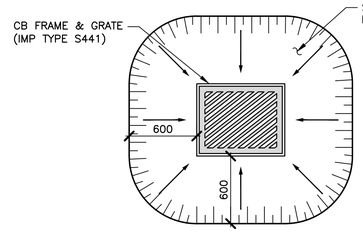
MINIMUM DISTANCE FROM FITTING TO UNDISTURBED GROUND

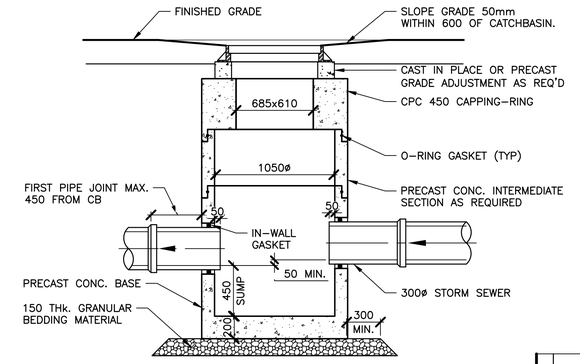
PIPE ø mm	mm
100	450
150	450
200	450
250	600
300	750

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

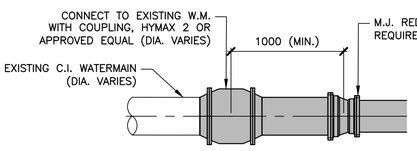
PIPE ø mm	45° BEND	22.5° BEND	11.25° BEND
100	0.40	0.20	0.20
150	0.80	0.40	0.40
200	1.40	0.70	0.70
250	2.10	1.10	1.10
300	3.00	1.50	1.50

5 C-112 DETAIL—CONCRETE THRUST BLOCKS 1:1

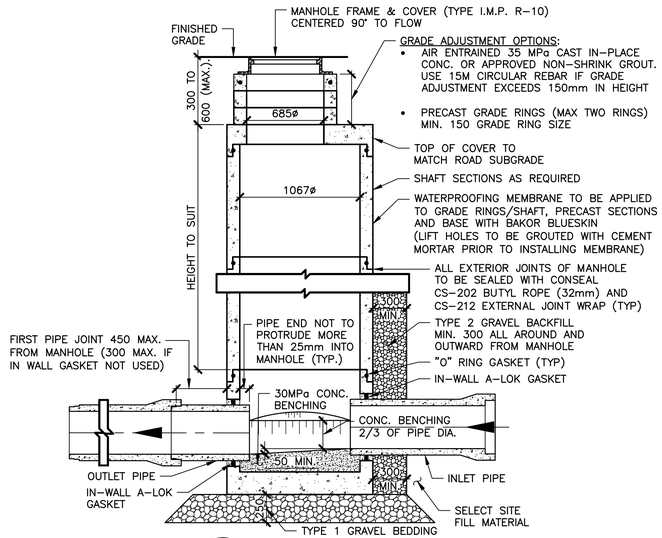




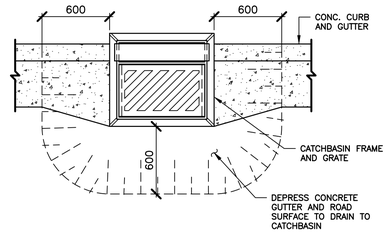
6 C-112 DETAIL—CATCHBASIN 1:25

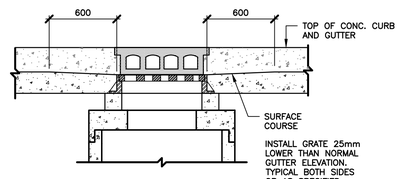


7 C-112 DETAIL—CONNECTION TO EXISTING WATERMAIN 1:25



8 C-112 DETAIL—1050ø PRECAST MANHOLE 1:25





9 C-112 DETAIL—CURB & GUTTER CATCHBASIN 1:25

No.	Description	Date	By
3	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
2	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

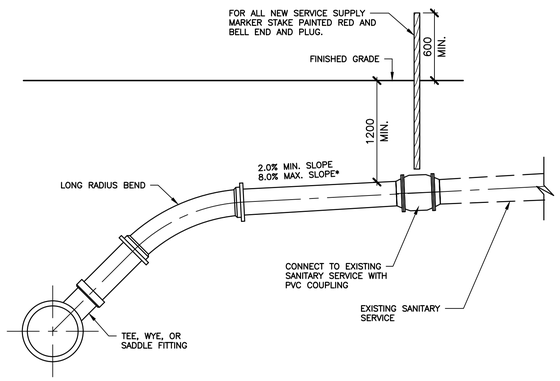
MUNICIPAL SERVICING

SERVICING DETAILS SHEET 1 OF 2

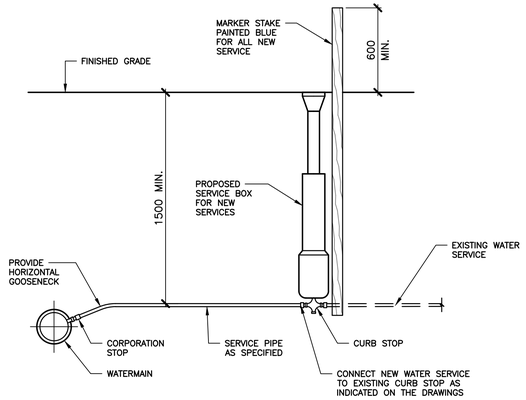
CBCL

REGISTERED PROFESSIONAL ENGINEER — NOV 14/25 — J.A. Baillie — 7791 — PROVINCE OF NOVA SCOTIA

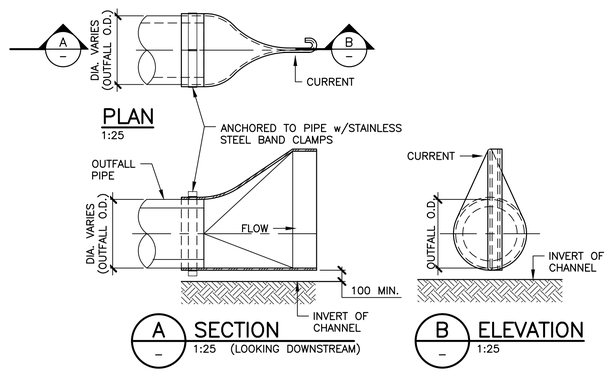
CBCL No	Contract No
241016.00	
Date: MAY 2024	Scale: AS NOTED
Designed: CM/DS	Drawn: DS
Checked: JAB	Approved: JAB
Sheet No: 19 of 37	
Drawing No: C-112	



1 C–113 **DETAIL–SANITARY SERVICE** 1:25



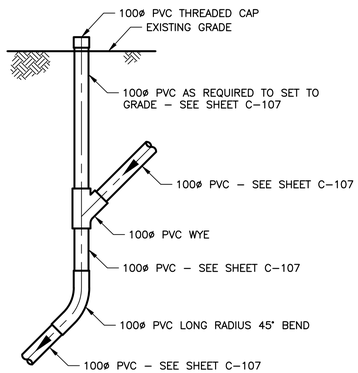
2 C–113 **DETAIL–WATER SERVICE** 1:20



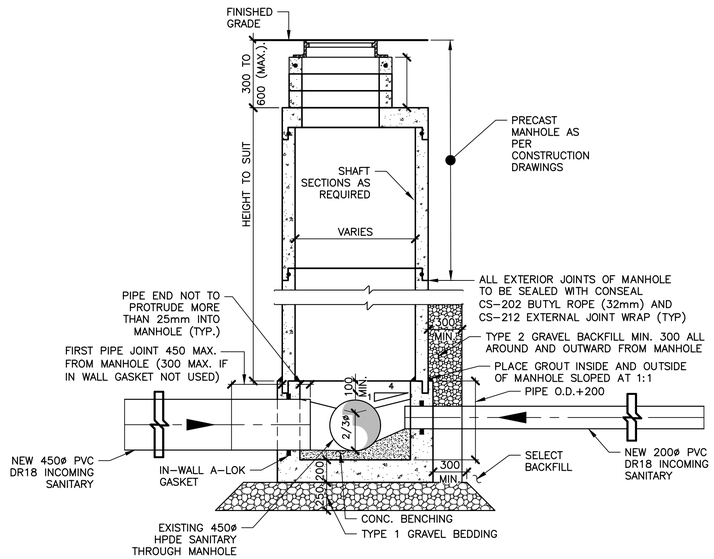
3 C–113 **DETAIL–SLIP–ON CHECK VALVE** 1:25

NOTES:
1. TRACER WIRE TO BE SET IN 300m LENGTHS
2. SPLICE ONLY WHERE NECESSARY TO JOIN TWO SPOOLS OF WIRE OR WHERE MULTIPLE RUNS MEET AT AN INTERSECTION.
3. TRACE WIRE SYSTEM TO BE TESTED TO ENSURE CONTINUITY.
4. SEE SPECIFICATION FOR PRODUCT INFORMATION.

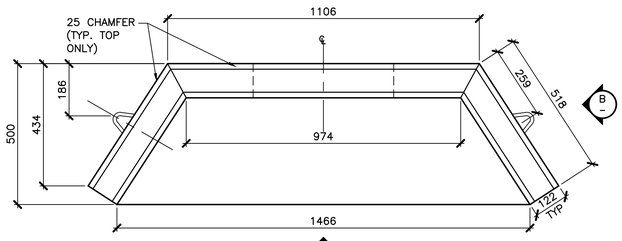
NOTES:
1. ANODES TO BE ZINC 24–48 TYPE INSTALLED BY USE OF DOUBLE NUT.
2. USE ONLY APPROVED PRODUCTS FOR MECHANICAL RESTRAINT.

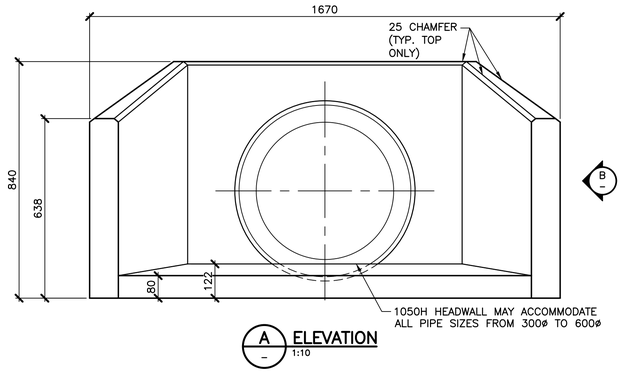


4 C–113 **DETAIL–SANITARY SERVICE DROP** 1:20



5 C–113 **DETAIL– PRECAST MANHOLE WITH CAST IN PLACE BASE** 1:25
PIPE INVERTS PER PLAN & PROFILES

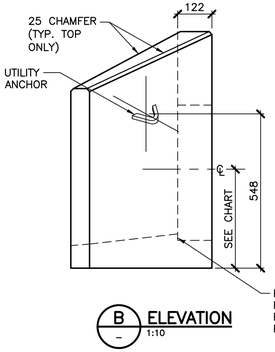


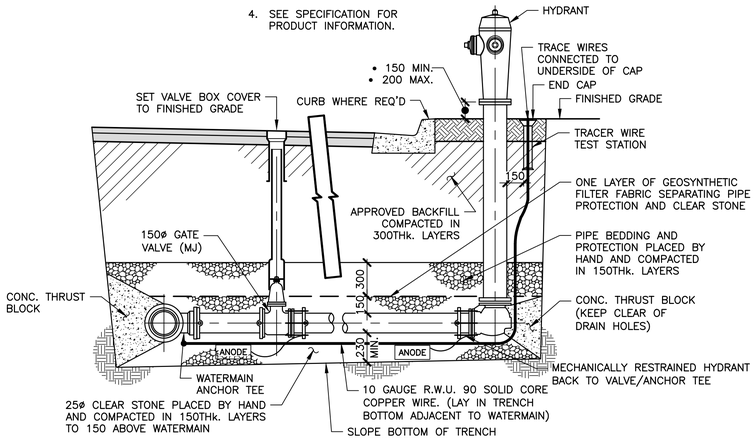


6 C–113 **DETAIL–HEADWALL FOR 300ø TO 600ø PIPE** 1:20

1050H HEADWALL		
*RCP DIA.	OPENING	DIST TO ℄
300	450	327
375	550	370
450	600	389
525	700	432
600	800	476

*REINFORCED CONCRETE PIPE





7 C–113 **DETAIL–HYDRANT INSTALLATION** 1:25

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

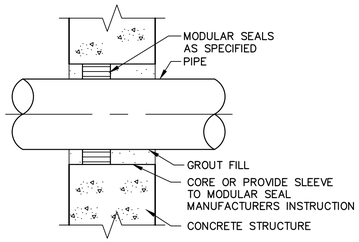
MUNICIPAL SERVICING

SERVICING DETAILS SHEET 2 OF 2

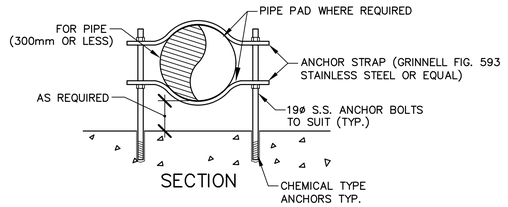
CBCL

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 19 of 37	
Drawing No C-113	

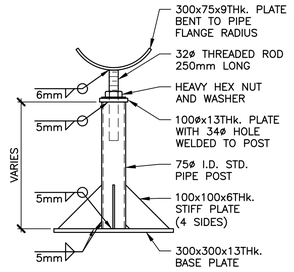
REGISTERED PROFESSIONAL ENGINEER — Date NOV 14/25 — J.A. Baillie — 7791 — PROVINCE OF NOVA SCOTIA



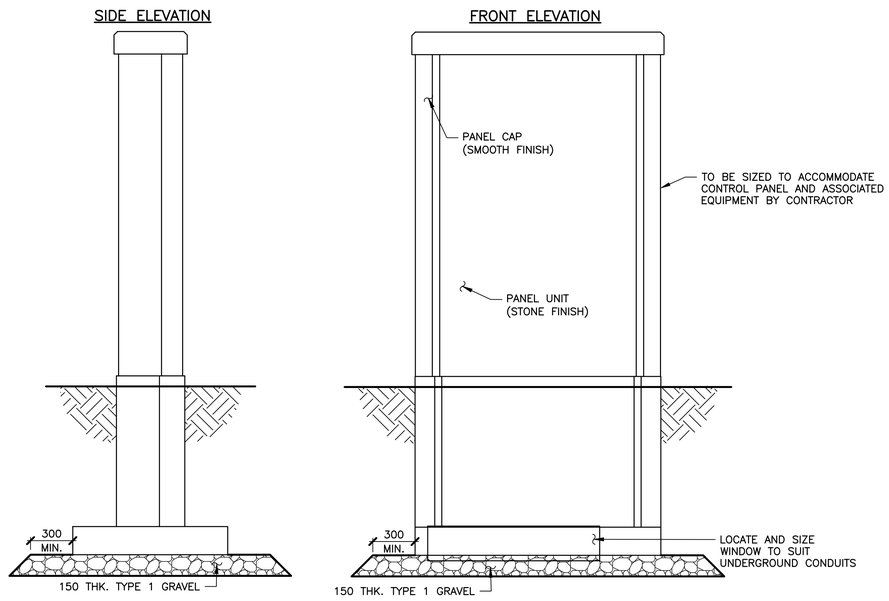
4 DETAIL– MODULAR SEAL THROUGH CONCRETE WALL
1:10



5 DETAIL– ANCHOR PIPE STRAP SUPPORT
1:10



6 DETAIL– ADJUSTABLE PIPE SUPPORT
1:10



7 DETAIL– SHAW EQUIPMENT MOUNTING STRUCTURE
NTS

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

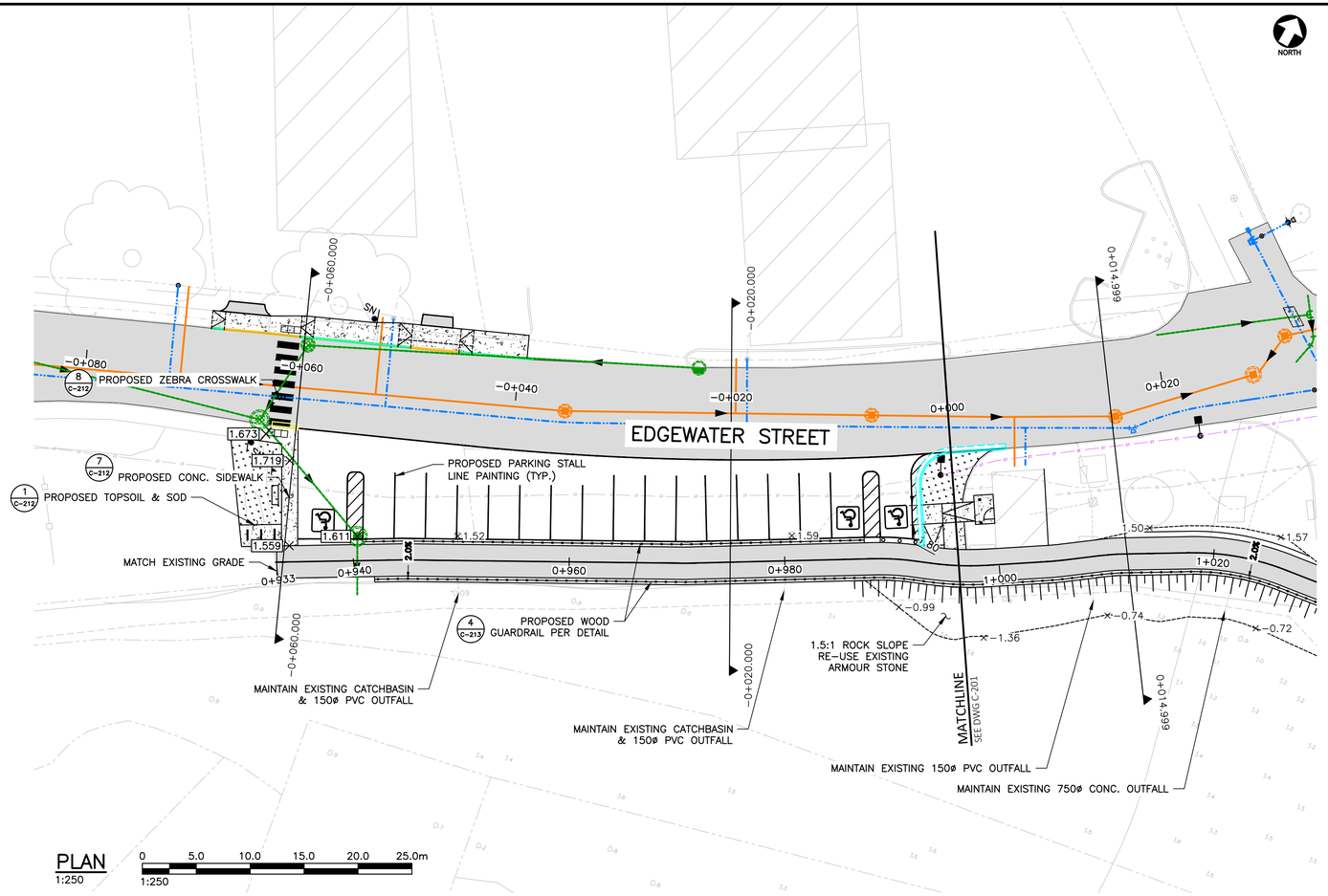
MUNICIPAL SERVICING

PUMP STATION DETAILS

CBCL

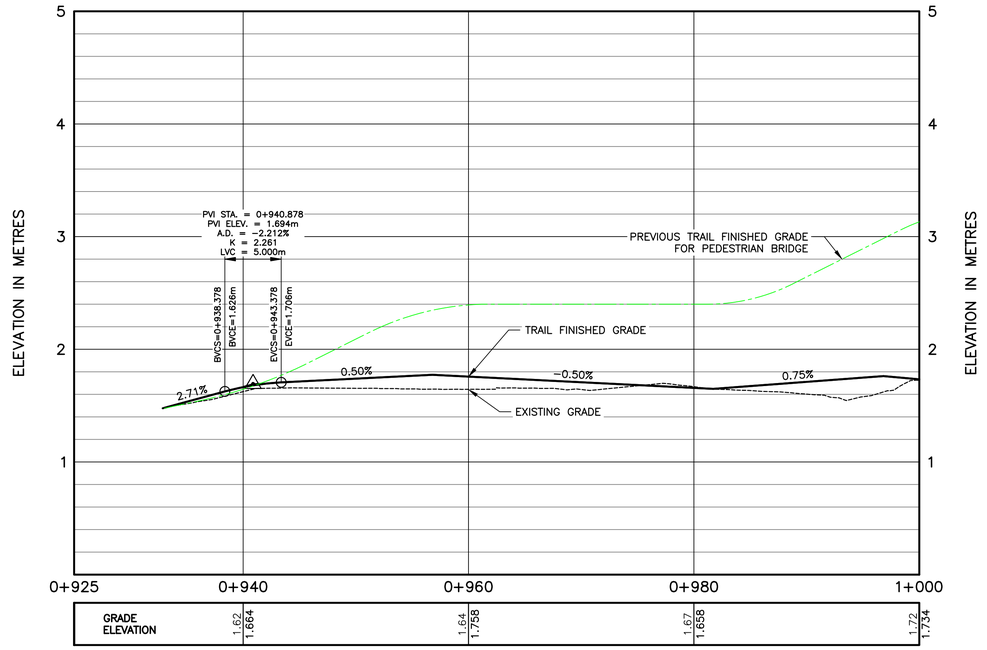
REGISTERED PROFESSIONAL ENGINEER
NOV 14/25
J. A. Baillie
7791
PROVINCE OF NOVA SCOTIA

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 20 of 37	
Drawing No C-114	



PLAN
1:250

0 5.0 10.0 15.0 20.0 25.0m
1:250

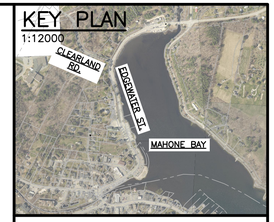


PROFILE – TRAIL CENTERLINE
1:250H 1:25V

NOTES:

1. SEE DRAWINGS C-300 – C-307 FOR TRAIL 7 SLOPE CONSTRUCTING MATERIALS.
2. SEE DRAWING C-206 FOR RETAINING WALL PROFILES.
3. SEE DRAWINGS C-208 – C-211 FOR CROSS SECTIONS.
4. PARKING LOT A IS TO BE RE-GRADED TO PROVIDE DRAINAGE TO SOUTHWEST CORNER CATCHBASIN. REMOVE EXISTING ASPHALT, GRAVELS AND SUBGRADE AS REQUIRED. REBUILD TO NEW ELEVATIONS PER DETAIL 10 SHEET C-212.

KEY PLAN
1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

No.	Description	Date	By
5	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
4	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
3	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
2	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
1	ISSUED FOR POST TENDER ADDENDUM	FEB 04/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

MULTI-USE TRAIL

PLAN & PROFILE - MULTI USE TRAIL SHEET 1 OF 6

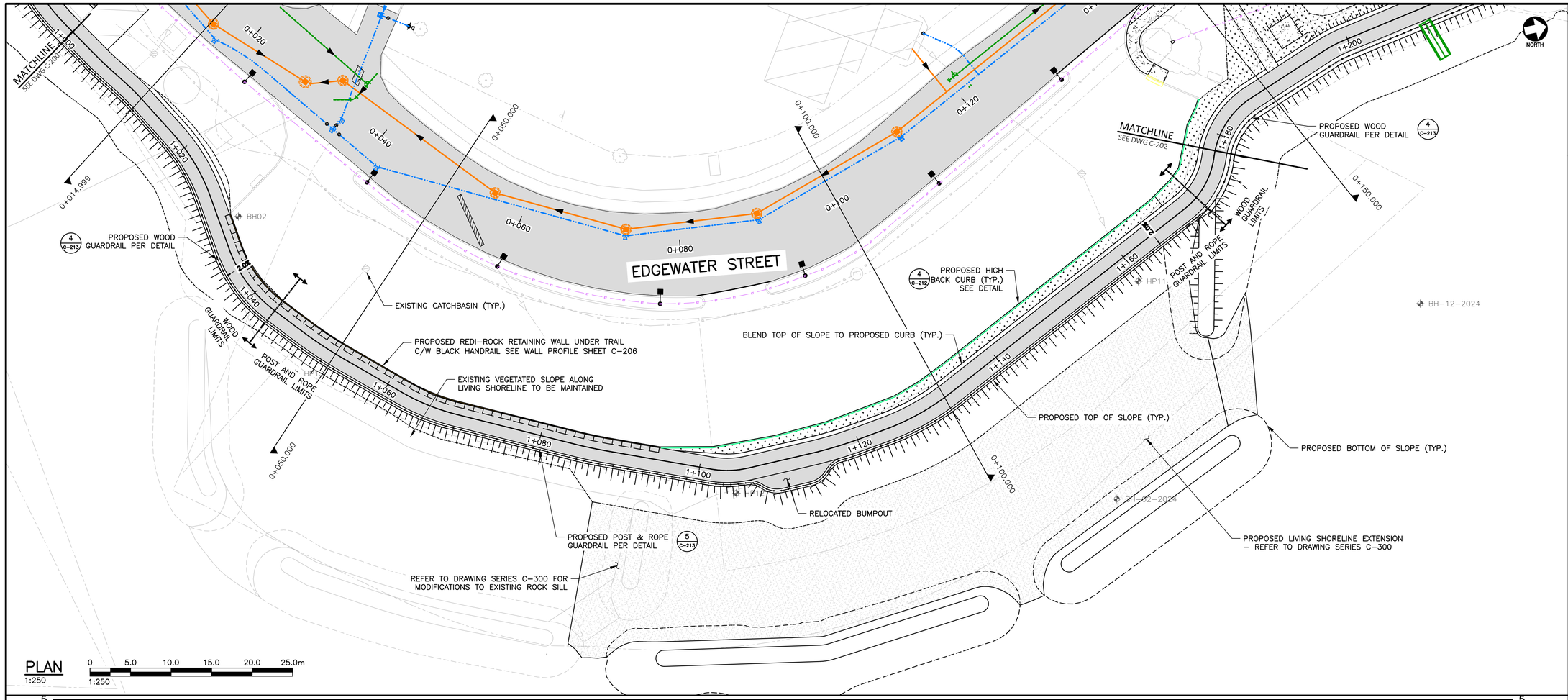
CBCL

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 24 of 37	
Drawing No C-200	

REGISTERED PROFESSIONAL ENGINEER — Dec. NOV 14/25 — J. A. Baillie — 7791 — PROVINCE OF NOVA SCOTIA

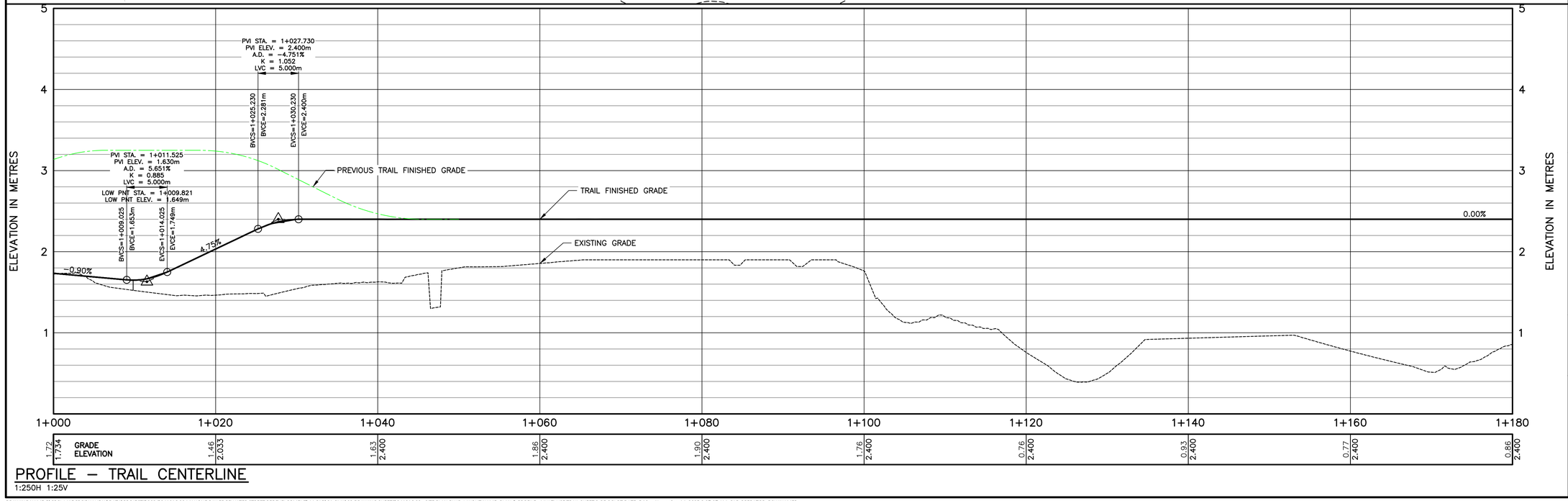
DRAWING NAME: \\CBCL.LAN\CBCL\HALIFAX\DATA\PROJECTS\2024\241016.00 MAHONE BAY EDGEWATER STREET REDEVELOPMENT\44 CAD\01 CIVIL\03 DRAWING SHEETS\241016.00 - SITE PLAN.DWG LAYOUT NAME: PLAN & PROFILE - MULTI USE TRAIL SHEET 1 OF 6 PLOT DATE: Friday, November 14, 2025 8:06:55 AM CAD OPERATOR: DSWINAMER

CBCL-610x914 TITLE SHEET (ARCH D)



PLAN
1:250

0 5.0 10.0 15.0 20.0 25.0m
1:250



PROFILE – TRAIL CENTERLINE
1:250H 1:25V

KEY PLAN
1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

NOTES:

1. SEE DRAWINGS C-300 – C-307 FOR TRAIL 7 SLOPE CONSTRUCTING MATERIALS.
2. SEE DRAWING C-206 FOR RETAINING WALL PROFILES.
3. SEE DRAWINGS C-208 – C-211 FOR CROSS SECTIONS.

No.	Description	Date	By
6	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
5	ISSUED FOR SI-10	OCT 07/25	JAB
4	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
3	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
2	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
1	ISSUED FOR POST TENDER ADDENDUM	FEB 04/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

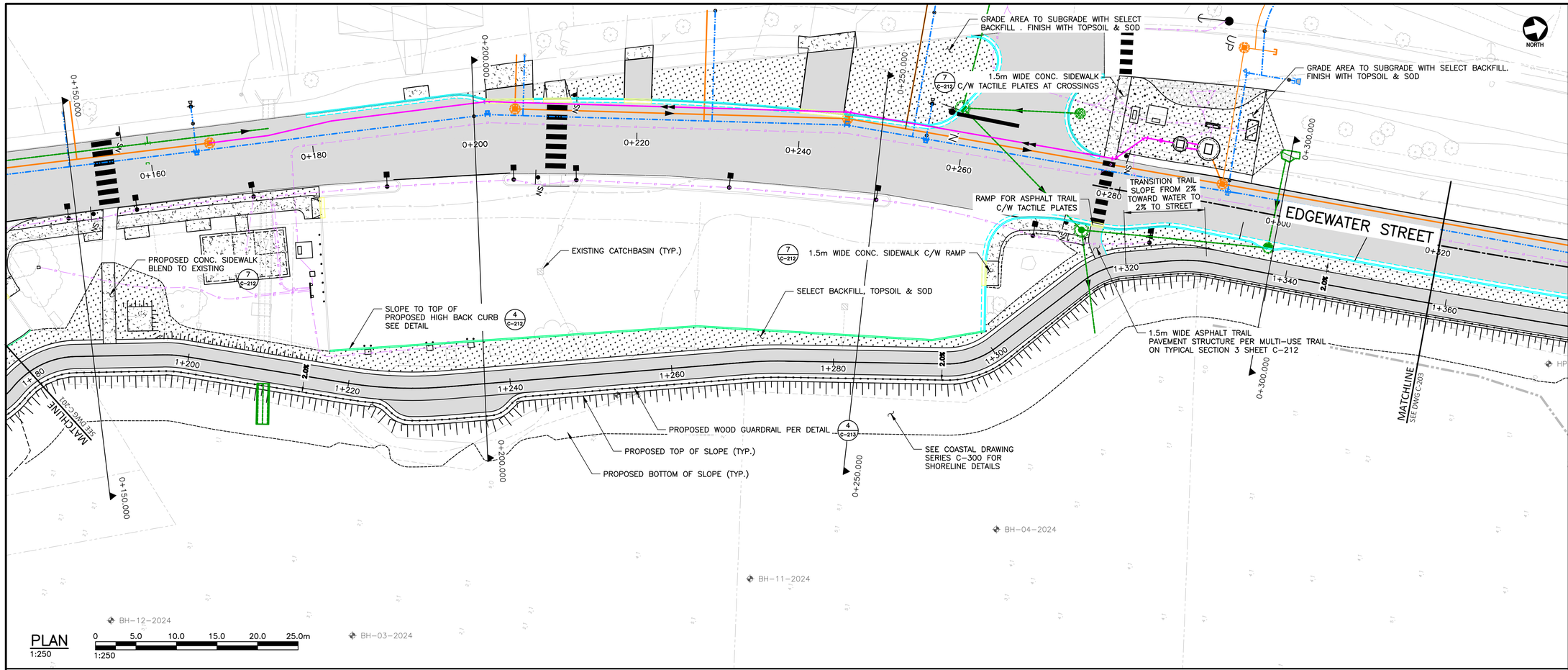
MULTI-USE TRAIL

PLAN & PROFILE - MULTI USE TRAIL SHEET 2 OF 6

CBCL

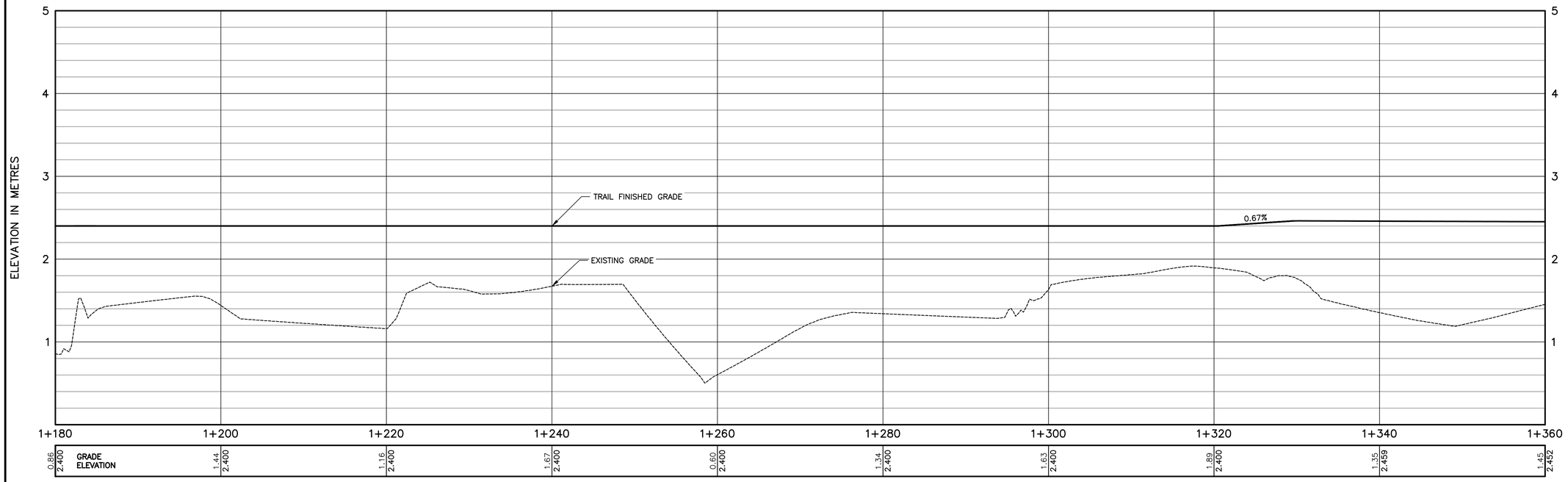
CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 25 of 37	
Drawing No C-201	

REGISTERED PROFESSIONAL ENGINEER Dec. NOV 14/25 J.A. Baillie 7791 PROVINCE OF NOVA SCOTIA



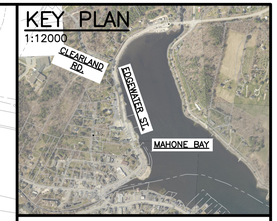
PLAN
1:250

0 5.0 10.0 15.0 20.0 25.0m
1:250



PROFILE – TRAIL CENTERLINE
1:250H 1:25V

KEY PLAN
1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

NOTES:

1. SEE DRAWINGS C–300 – C–307 FOR TRAIL 7 SLOPE CONSTRUCTING MATERIALS.
2. SEE DRAWING C–206 FOR RETAINING WALL PROFILES.
3. SEE DRAWINGS C–208 – C–211 FOR CROSS SECTIONS.

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

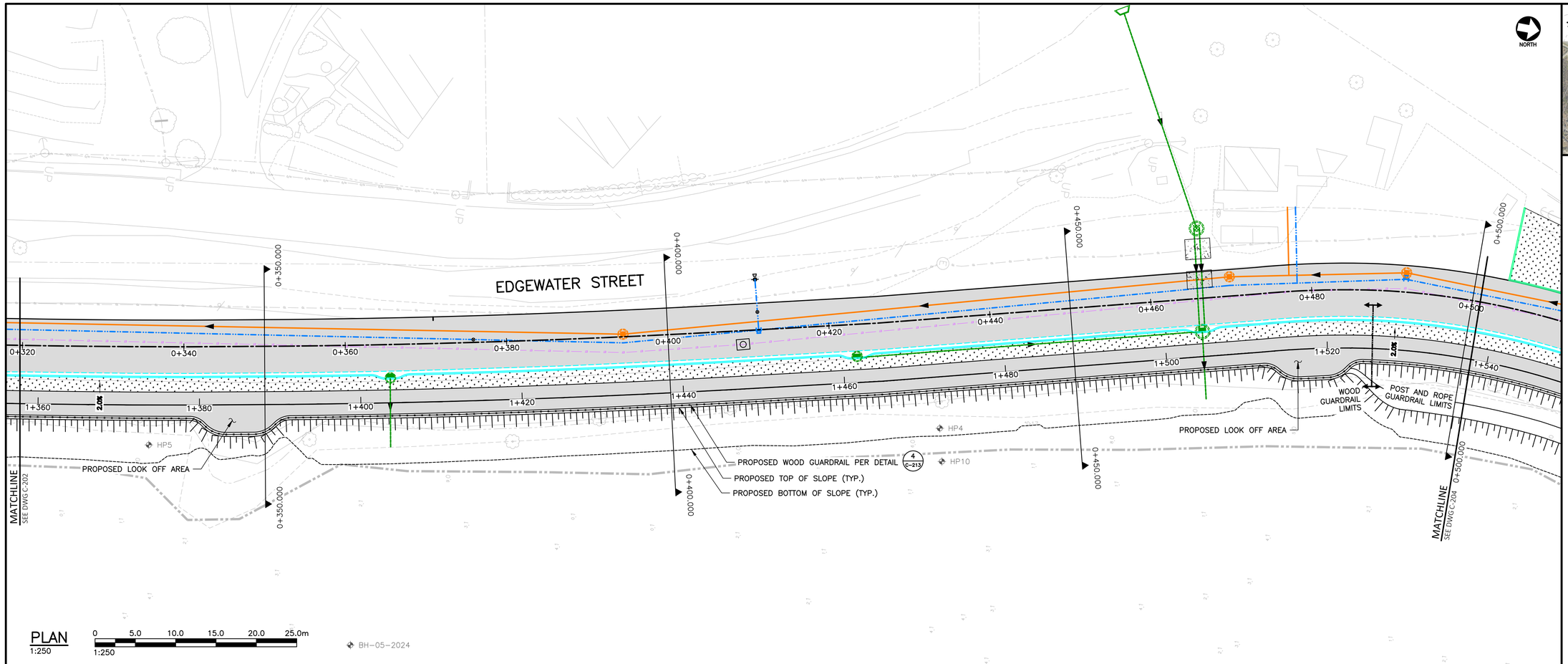
MULTI-USE TRAIL

PLAN & PROFILE - MULTI USE TRAIL SHEET 3 OF 6

CBCL

APEGNS PROFESSIONAL ENGINEER
NOV 14/25
J.A. Baillie
7791
PROVINCE OF NOVA SCOTIA

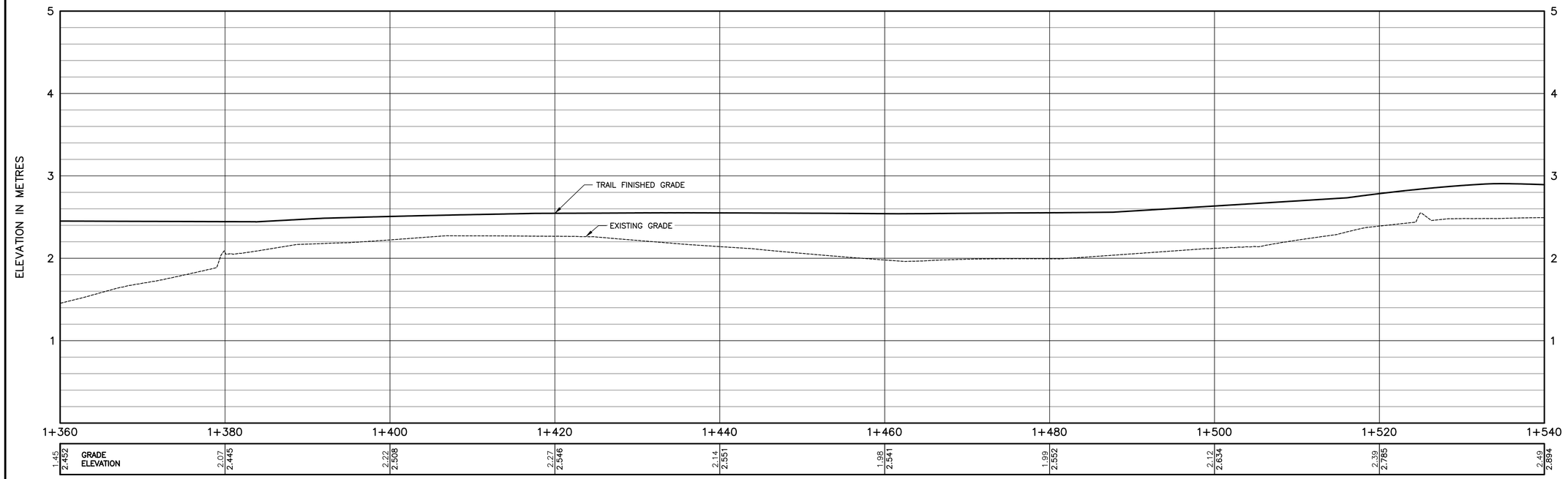
CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 26 of 37	
Drawing No C-202	



PLAN
1:250

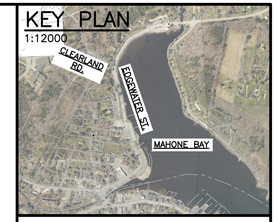
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1:250

BH-05-2024



PROFILE – TRAIL CENTERLINE
1:250H 1:25V

KEY PLAN
1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

NOTES:

1. SEE DRAWINGS C–300 – C–307 FOR TRAIL 7 SLOPE CONSTRUCTING MATERIALS.
2. SEE DRAWING C–206 FOR RETAINING WALL PROFILES.
3. SEE DRAWINGS C–208 – C–211 FOR CROSS SECTIONS.

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

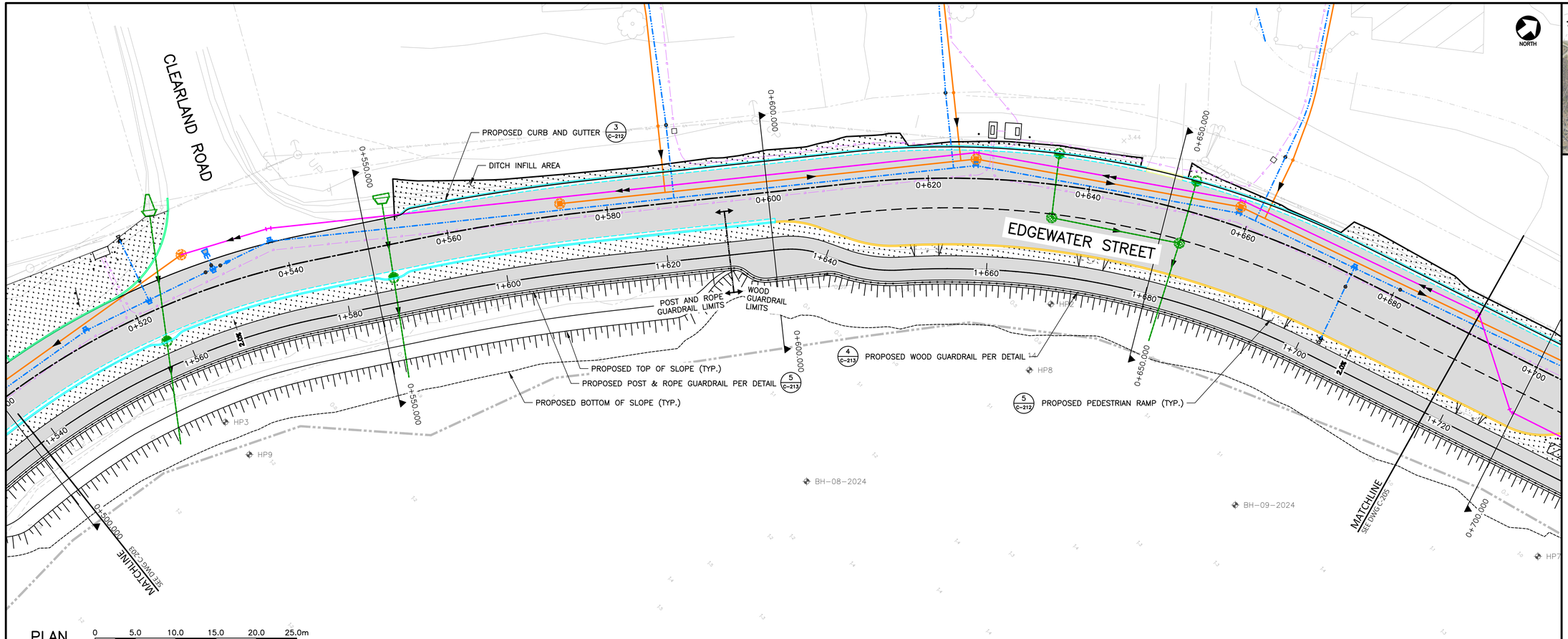
MULTI-USE TRAIL

PLAN & PROFILE - MULTI USE TRAIL SHEET 4 OF 6

CBCL

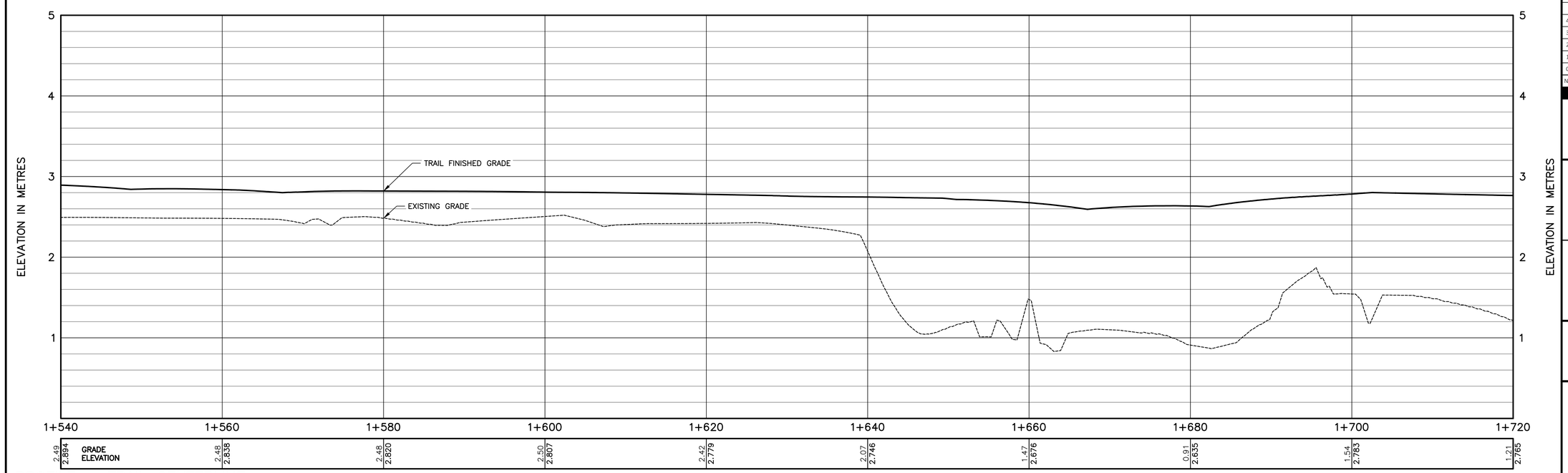
PROFESSIONAL ENGINEER — NOV 14/25 — J.A. Baillie — 7791 — PROVINCE OF NOVA SCOTIA

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 27 of 37	
Drawing No C-203	



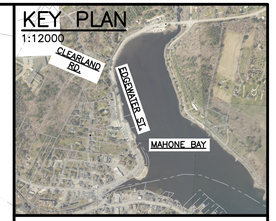
PLAN
1:250

0 5.0 10.0 15.0 20.0 25.0m
1:250



PROFILE – TRAIL CENTERLINE
1:250H 1:25V

KEY PLAN
1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

NOTES:

1. SEE DRAWINGS C–300 – C–307 FOR TRAIL 7 SLOPE CONSTRUCTING MATERIALS.
2. SEE DRAWING C–206 FOR RETAINING WALL PROFILES.
3. SEE DRAWINGS C–208 – C–211 FOR CROSS SECTIONS.

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

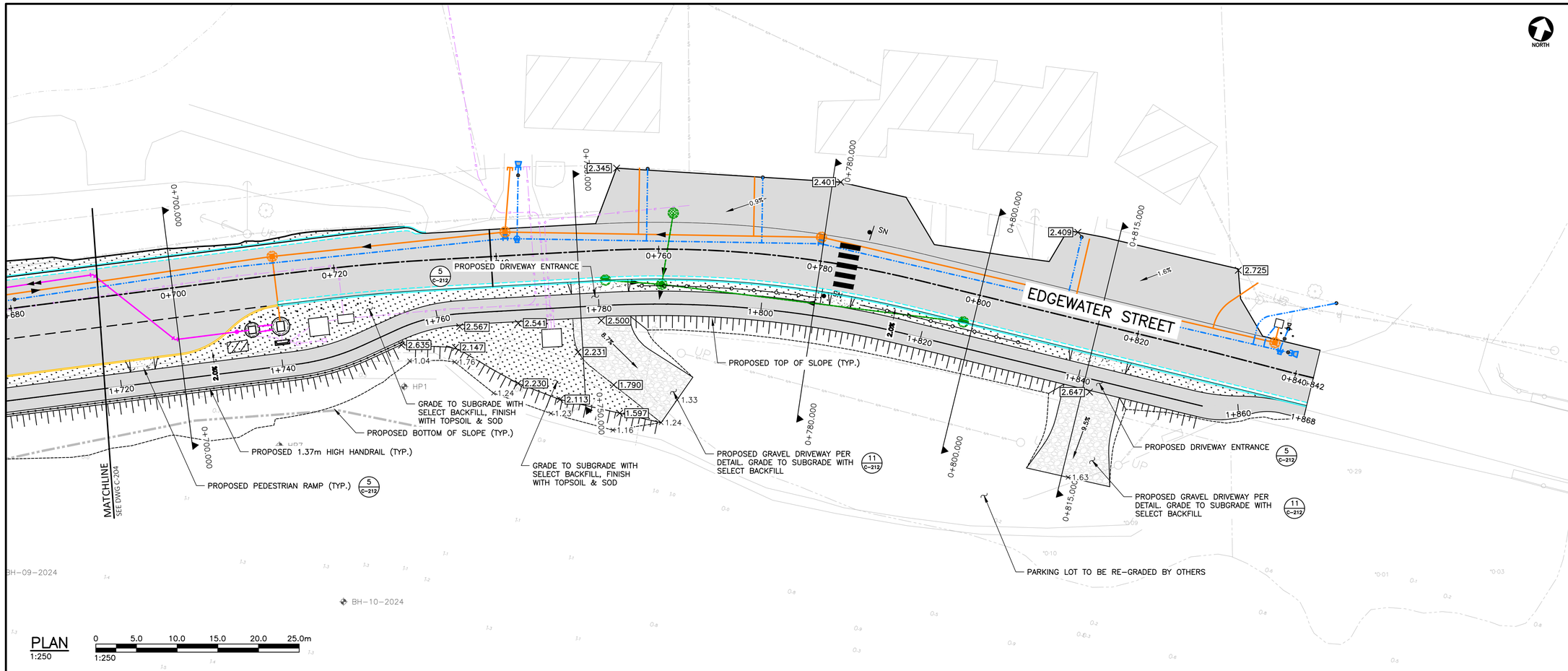
MULTI-USE TRAIL

PLAN & PROFILE - MULTI USE TRAIL SHEET 5 OF 6

CBCL

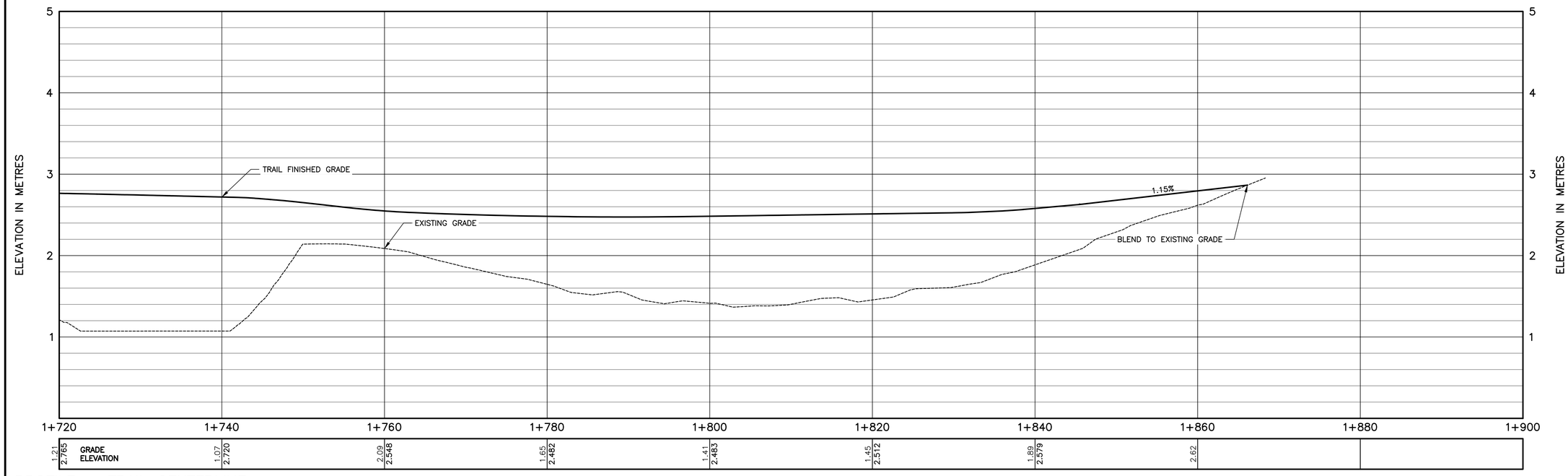
CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 28 of 37	
Drawing No C-204	

APEGNS PROFESSIONAL ENGINEER NOV 14/25 J.A. Ballie 7791 PROVINCE OF NOVA SCOTIA



PLAN
1:250

0 5.0 10.0 15.0 20.0 25.0m
1:250



PROFILE – TRAIL CENTERLINE
1:250H 1:25V

KEY PLAN
1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

NOTES:

1. SEE DRAWINGS C–300 – C–307 FOR TRAIL 7 SLOPE CONSTRUCTING MATERIALS.
2. SEE DRAWING C–206 FOR RETAINING WALL PROFILES.
3. SEE DRAWINGS C–208 – C–211 FOR CROSS SECTIONS.

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

MULTI-USE TRAIL

PLAN & PROFILE - MULTI USE TRAIL SHEET 6 OF 6

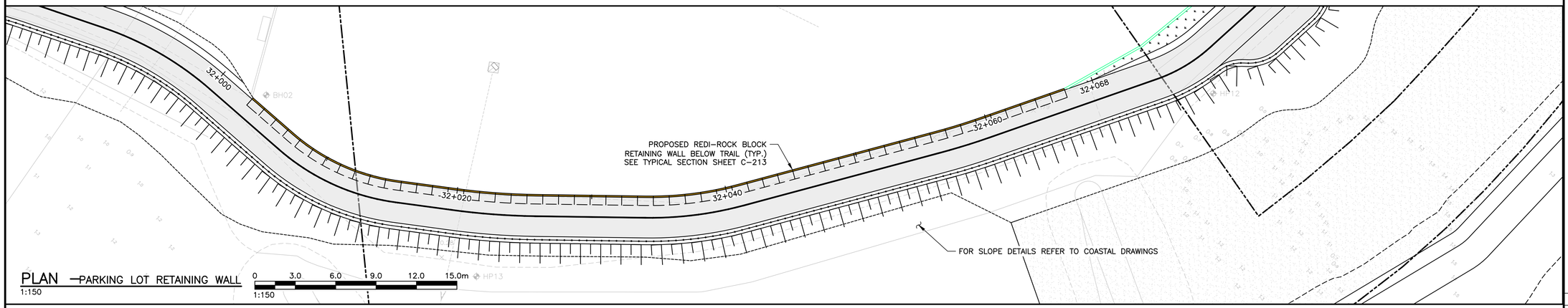
CBCL

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 29 of 37	
Drawing No C-205	

NOV 14/25
J.A. Baillie
7791

DRAWING NAME: \\CBCL.LAN\CBCL\HALIFAX\DATA\PROJECTS\2024\241016.00 MAHONE BAY EDGEWATER STREET REDEVELOPMENT\44 CAD\01 CIVIL\03 DRAWING SHEETS\241016.00 - SITE PLAN.DWG LAYOUT NAME: PLAN & PROFILE - MULTI USE TRAIL SHEET 6 OF 6 PLOT DATE: Friday, November 14, 2025 8:07:48 AM CAD OPERATOR: DSWINAMER

CBCL-610x914 TITLE SHEET (ARCH D)

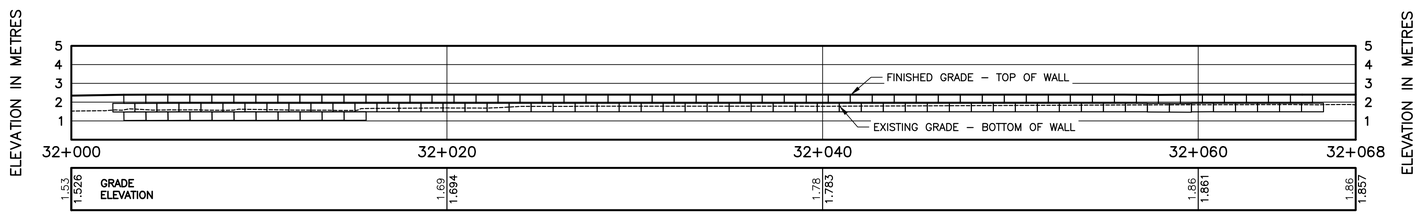


PLAN – PARKING LOT RETAINING WALL

1:150

0 3.0 6.0 9.0 12.0 15.0m

1:150

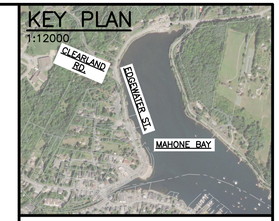


PROFILE – PARKING LOT RETAINING WALL

1:150H 1:150V

KEY PLAN

1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

No.	Description	Date	By
5	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
4	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
3	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
2	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
1	ISSUED FOR POST TENDER ADDENDUM	FEB 04/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

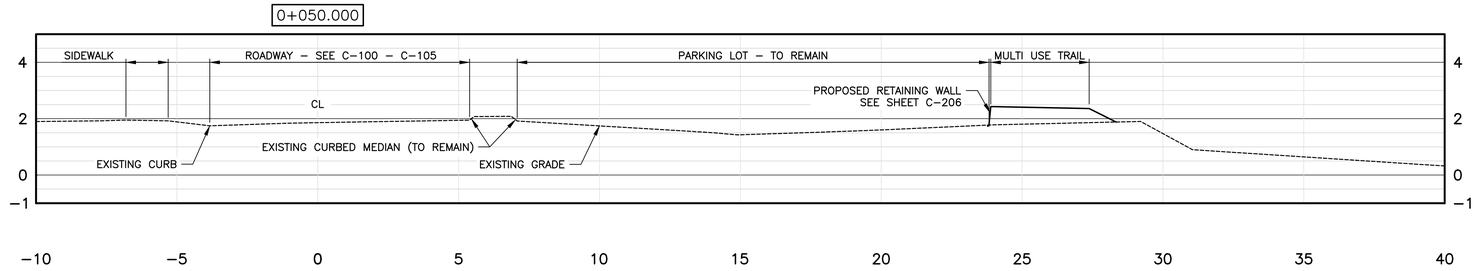
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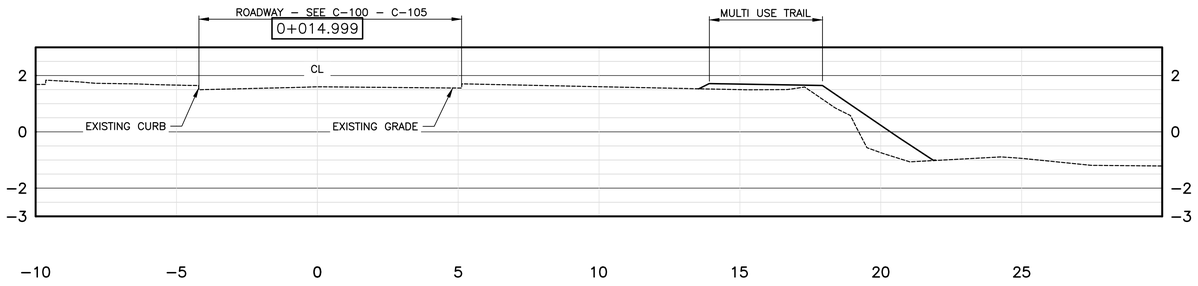
PLAN & PROFILE - RETAINING WALLS

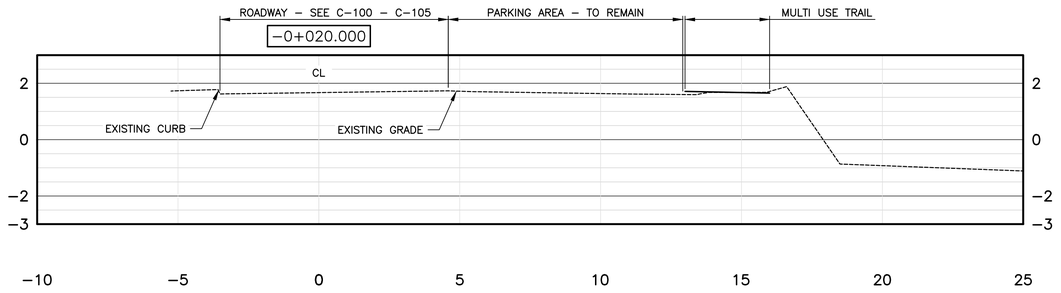
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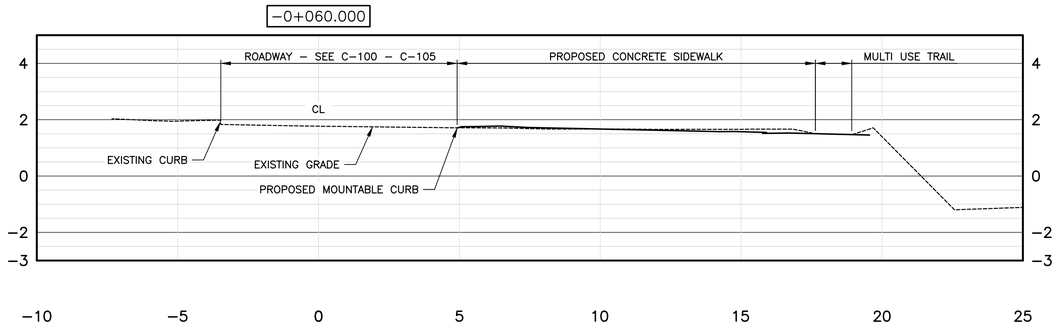


CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 30 of 37	
Drawing No C-206	

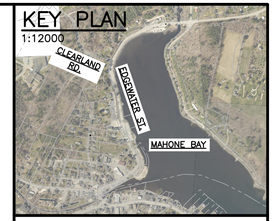








CROSS SECTIONS
1:100H 1:100V



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

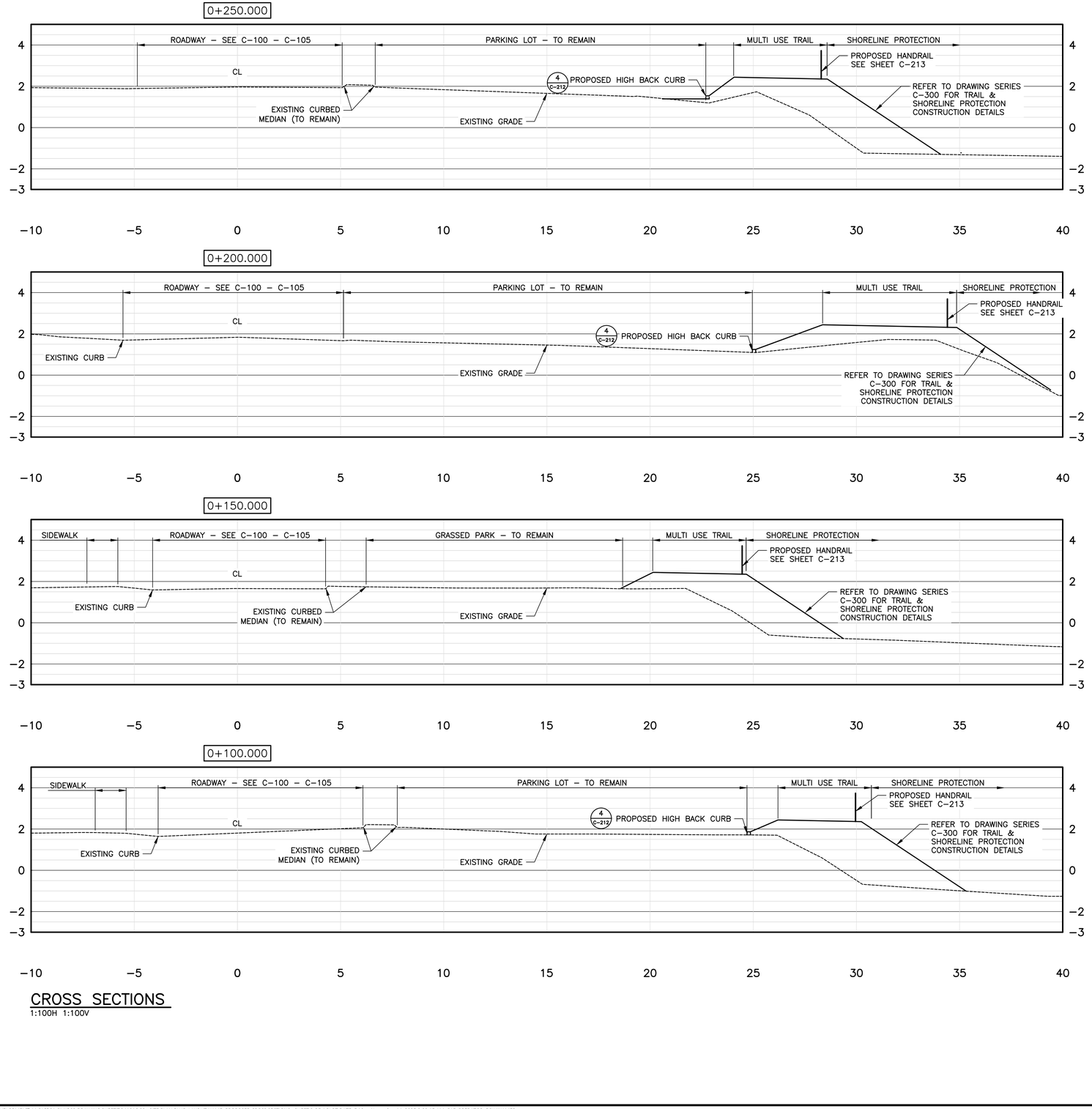
MULTI-USE TRAIL

PROPOSED CROSS SECTIONS - SHEET 1 OF 4

CBCL

REGISTERED PROFESSIONAL ENGINEER
Date NOV 14/25
J. A. Baillie
7791
PROVINCE OF NOVA SCOTIA

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 32 of 37	
Drawing No C-208	

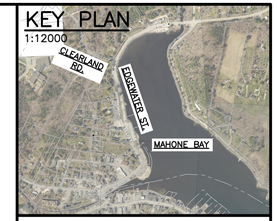


CROSS SECTIONS

1:100H 1:100V

KEY PLAN

1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

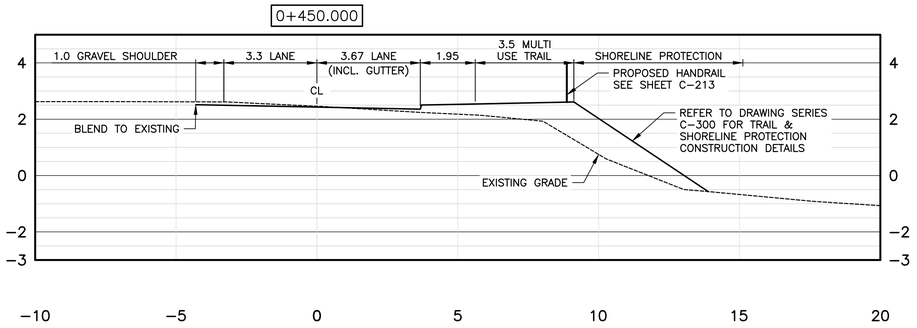
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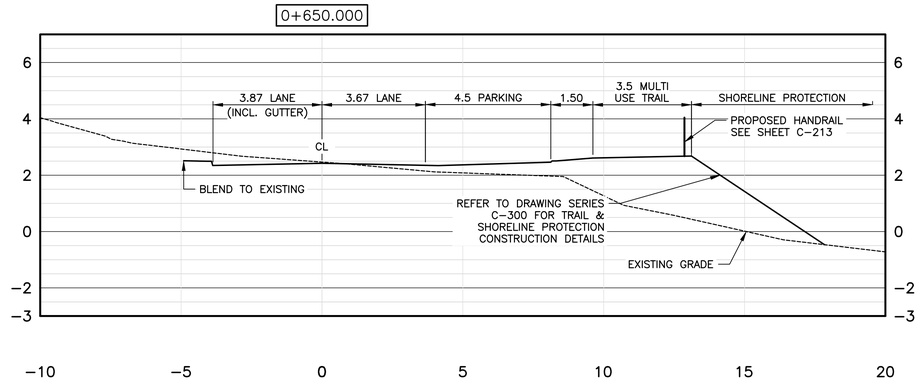
PROPOSED CROSS SECTIONS - SHEET 2 OF 4

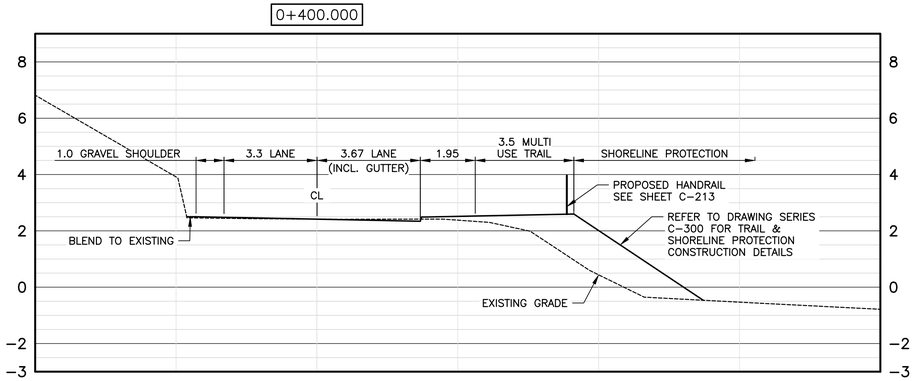
CBCL

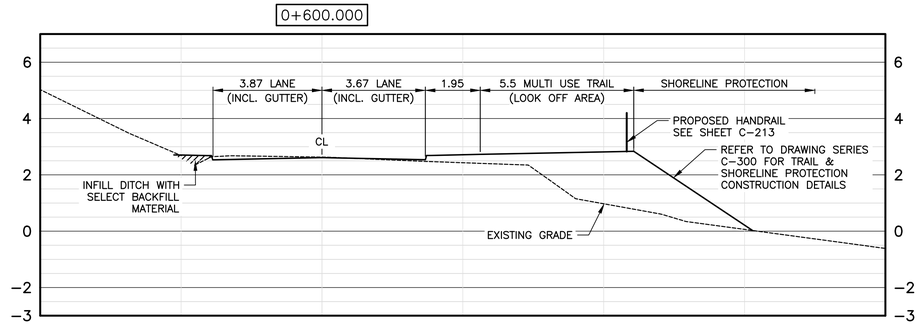
REGISTERED PROFESSIONAL ENGINEER
NOV 14/25
J.A. Baillie
7791
PROVINCE OF NOVA SCOTIA

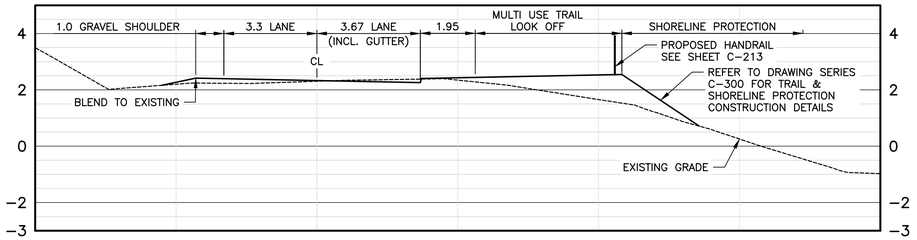
CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 33 of 37	
Drawing No C-209	

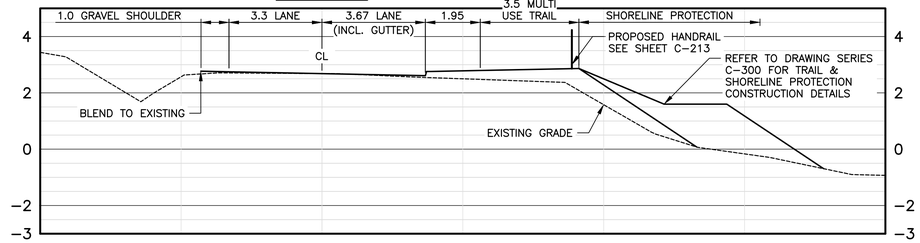


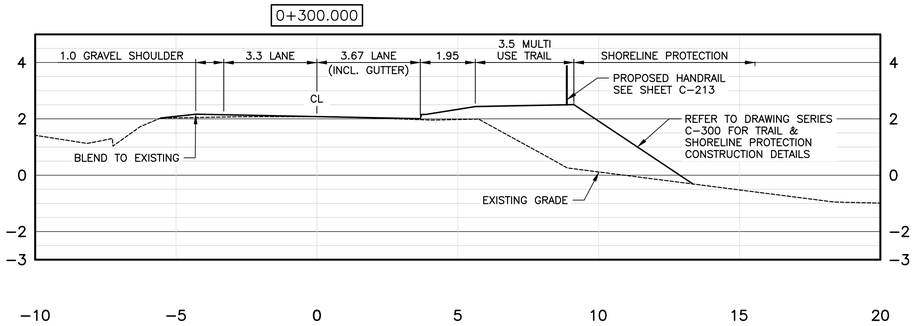


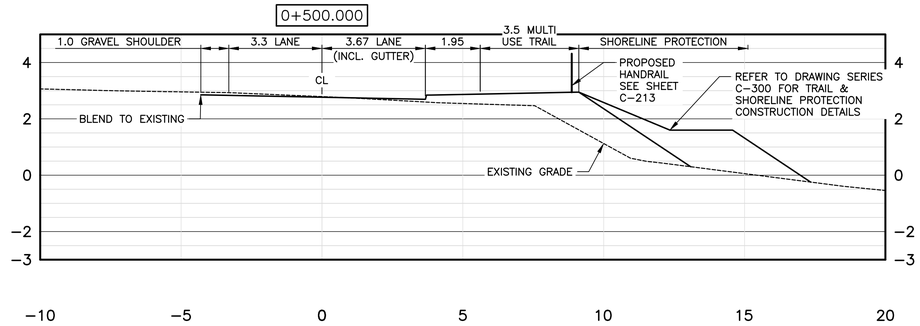






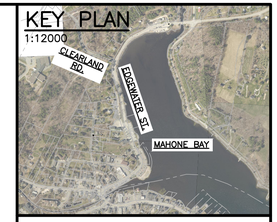






CROSS SECTIONS
1:100H 1:100V

KEY PLAN
1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

NOTE:

1. SEE TYPICAL STREET CROSS SECTIONS ON SHEET C-212 FOR CROSS SECTION CONSTRUCTION DETAILS.

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

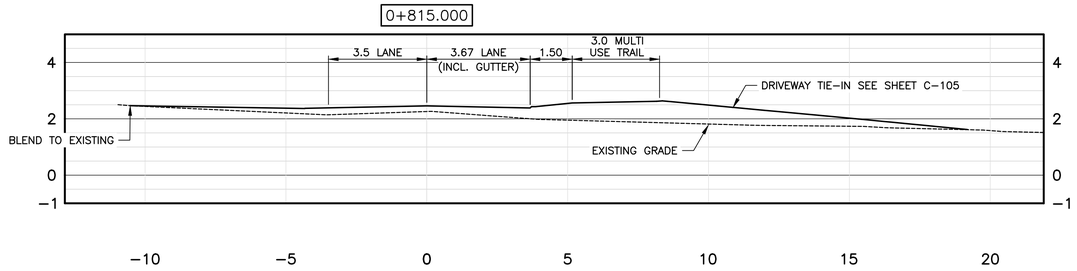
MULTI-USE TRAIL

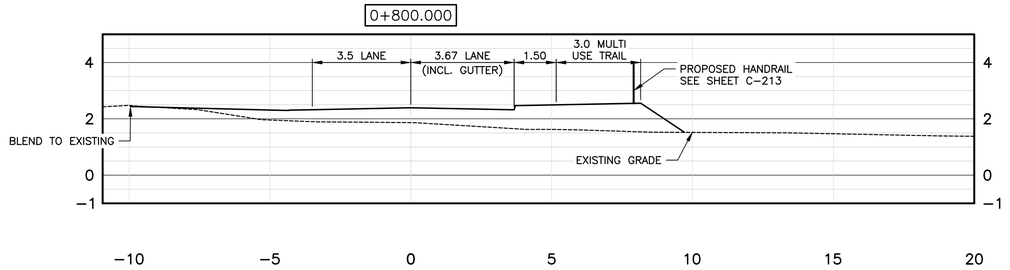
PROPOSED CROSS SECTIONS - SHEET 3 OF 4

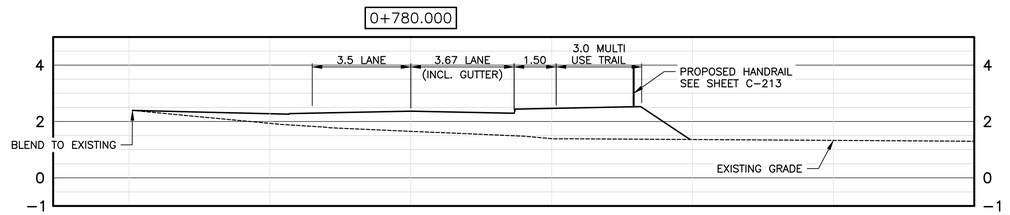
CBCL

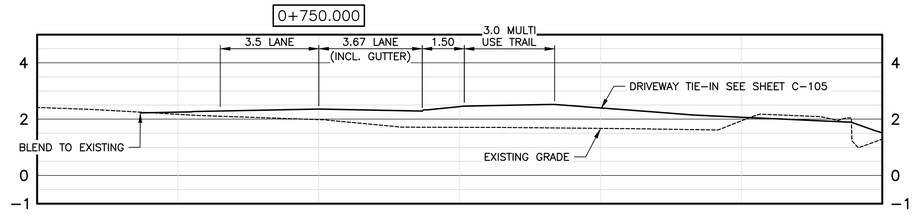
CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 34 of 37	
Drawing No **C-210**	

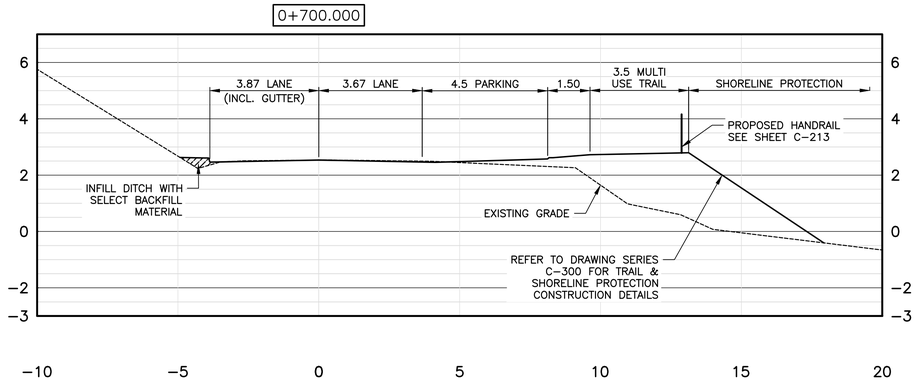
REGISTERED PROFESSIONAL ENGINEER — Date NOV 14/25 — J.A. Baillie — 7791 — PROVINCE OF NOVA SCOTIA









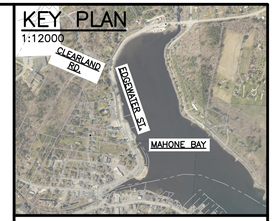


CROSS SECTIONS

1:100H 1:100V

KEY PLAN

1:12000



LEGEND

- SANITARY SEWER (EX.)
- SANITARY SEWER (PR.)
- SANITARY MH (EX.)
- SANITARY MH (PR.)
- SANITARY FORCEMAIN (EX.)
- SANITARY FORCEMAIN (PR.)
- SANITARY PUMP STATION (EX.)
- SANITARY PUMP STATION (EX.)
- STORM CATCHBASIN (SQ.) (EX.)
- STORM CATCHBASIN (SQ.) (PR.)
- STORM SEWER (EX.)
- STORM SEWER (PR.)
- STORM MH (EX.)
- STORM MH (PR.)
- WATERMAIN (EX.)
- WATERMAIN (PR.)
- GATE VALVE (EX.)
- GATE VALVE (PR.)
- WATERMAIN FITTINGS (PR.)
- WATERMAIN BENDS (PR.)
- FIRE HYDRANT (EX.)
- FIRE HYDRANT (PR.)
- U/G POWER (EX.)
- U/G POWER (PR.)
- O/H POWER (EX.)
- O/H POWER (PR.)
- UTILITY POLE (EX.)
- UTILITY POLE (PR.)
- TOP OF SLOPE (EX.)
- TOP OF SLOPE (PR.)
- BOTTOM OF SLOPE (EX.)
- BOTTOM OF SLOPE (PR.)
- PROPERTY LINE (EX.)
- ASPHALT (PR.)
- GRASS (PR.)
- GRAVEL (PR.)

NOTE:

1. SEE TYPICAL STREET CROSS SECTIONS ON SHEET C–212 FOR CROSS SECTION CONSTRUCTION DETAILS.

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

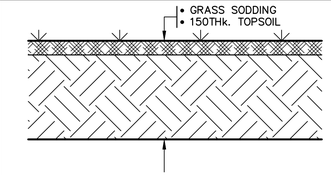
MULTI-USE TRAIL

PROPOSED CROSS SECTIONS - SHEET 4 OF 4

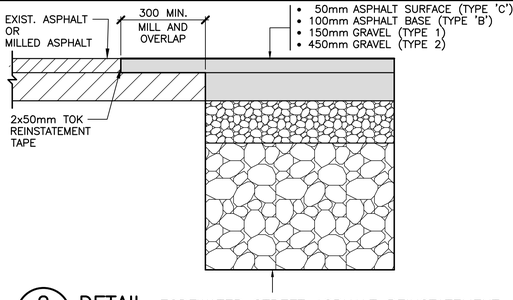
CBCL

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 35 of 37	
Drawing No C-211	

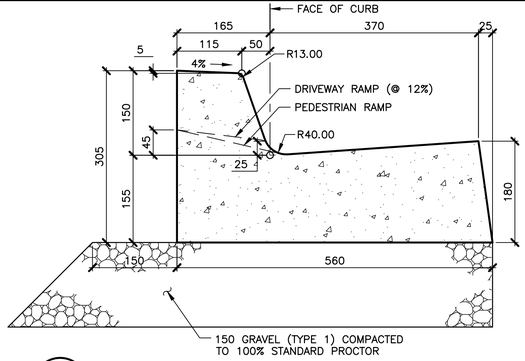
PROFESSIONAL ENGINEER — Date NOV 14/25 — J.A. Baillie — 7791 — PROVINCE OF NOVA SCOTIA



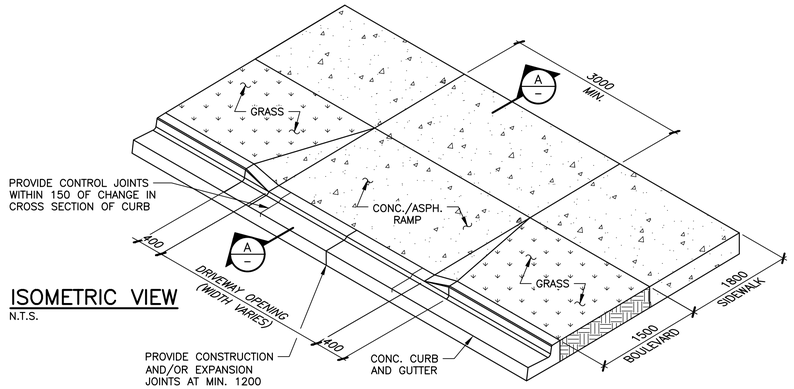
1 C-212 DETAIL—GRASSED AREA REINSTATEMENT 1:5



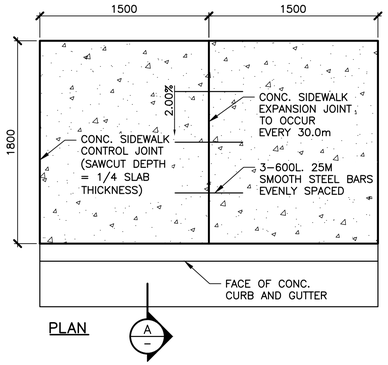
2 C-212 DETAIL—EGDEWATER STREET ASPHALT REINSTATEMENT 1:10



3 C-212 DETAIL—CONCRETE CURB AND GUTTER 1:5

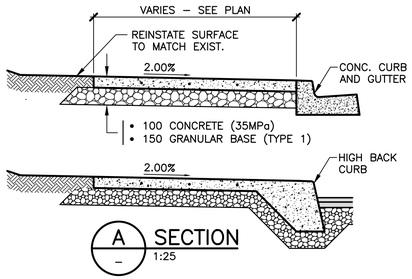


ISOMETRIC VIEW
N.T.S.

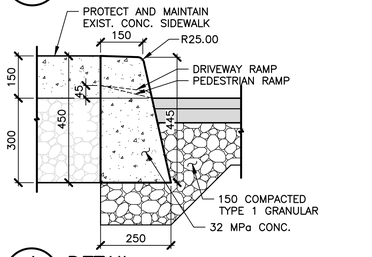


PLAN

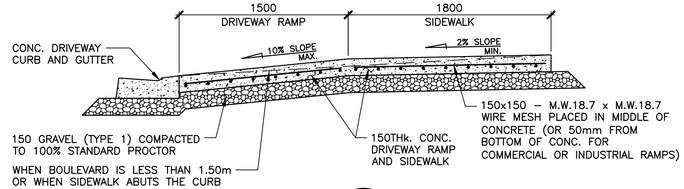
7 C-212 DETAIL—CONCRETE SIDEWALK 1:25



A SECTION 1:25

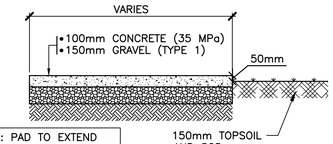


4 C-212 DETAIL—HIGH BACK CONCRETE CURB 1:10

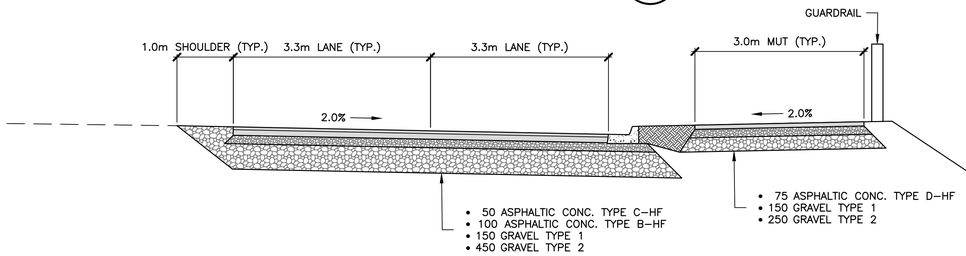


A SECTION 1:25

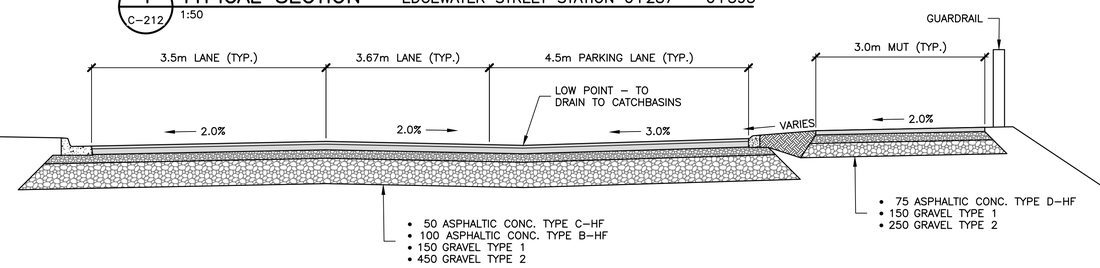
5 C-212 DETAIL—DRIVEWAY RAMP 1:25



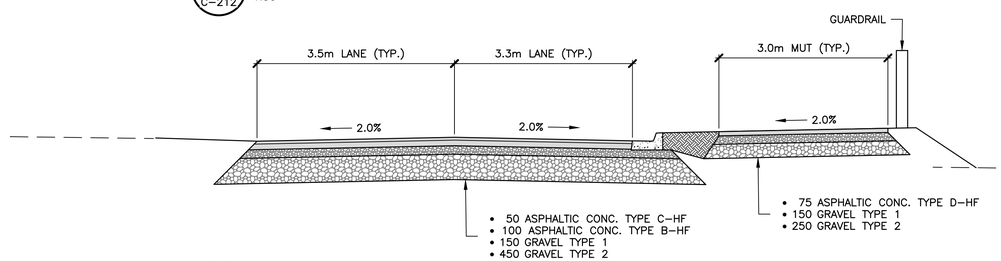
10 C-212 DETAIL— PARK FEATURE PAD 1:25



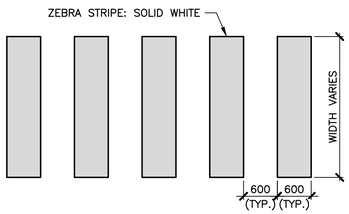
1 C-212 TYPICAL SECTION — EDGEWATER STREET STATION 0+287 — 0+595 1:50



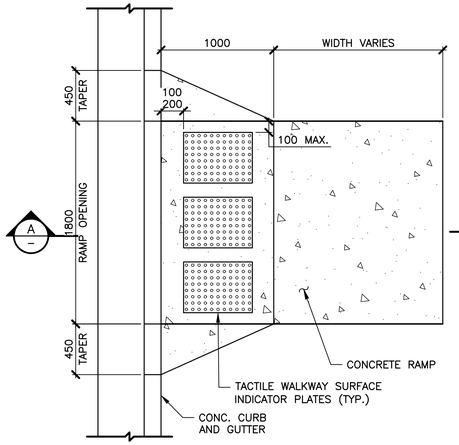
2 C-212 TYPICAL SECTION — EDGEWATER STREET STATION 0+595 — 0+711 1:50

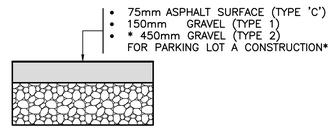


3 C-212 TYPICAL SECTION — EDGEWATER STREET STATION 0+711 — 0+841 1:50

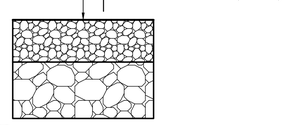


8 C-212 DETAIL—ZEBRA CROSSWALK 1:50

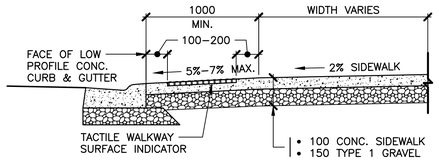




10 C-212 DETAIL—ASPHALT DRIVEWAY REINSTATEMENT 1:10



11 C-212 DETAIL—GRAVEL DRIVEWAY REINSTATEMENT 1:10



A SECTION 1:25

9 C-212 DETAIL—PEDESTRIAN RAMP 1:25

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
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1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

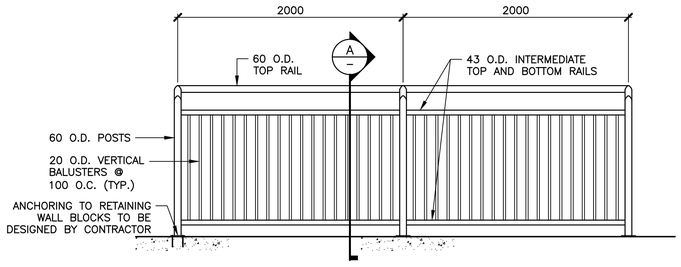
MULTI-USE TRAIL

SITE FINISHING DETAILS

CBCL

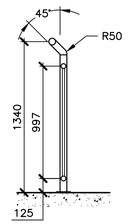
CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 36 of 37	
Drawing No C-212	

REGISTERED PROFESSIONAL ENGINEER — NOV 14/25 — J.A. Baillie 7791 — PROVINCE OF NOVA SCOTIA



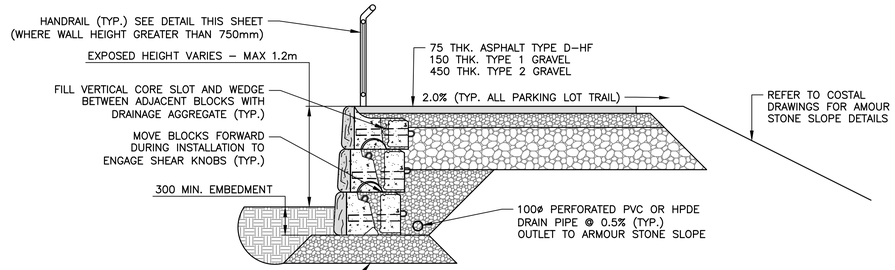
NOTE: ALL RAILING TO BE POWDER COATED BLACK

ELEVATION
1:25

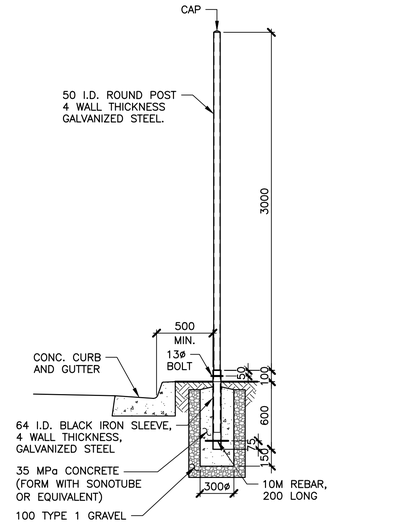


A – SECTION
1:25

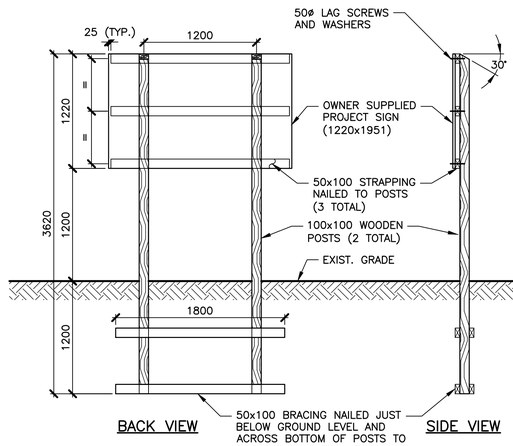
1 C-213 DETAIL – POWDER COATED HANDRAIL
1:25



2 C-213 TYPICAL SECTION – PARKING LOT RETAINING WALL
1:30

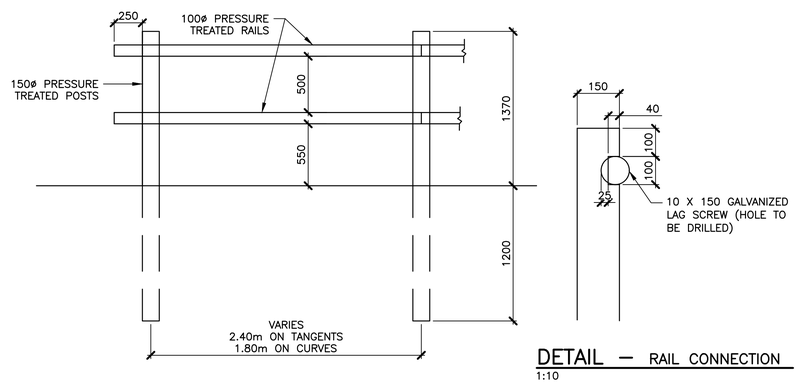


3 C-213 DETAIL – TRAFFIC SIGN POST
1:25



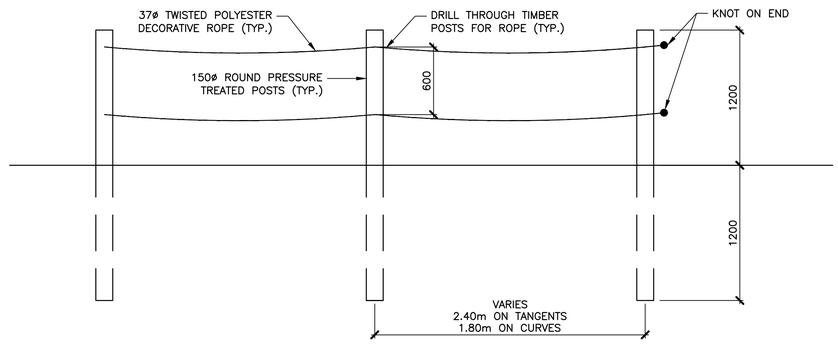
NOTES:
1. ALL LUMBER TO BE PRESSURE TREATED
2. TOWN WELCOME SIGN TO BE RAISED AND RE–USE EXISTING CONCRETE BASE

2 C-213 DETAIL – STORE SIGN SUPPORT
1:30



DETAIL – RAIL CONNECTION
1:10

4 C-213 DETAIL – WOODEN HANDRAIL
1:25



5 C-213 DETAIL – POST AND ROPE RAILING
1:25

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
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1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
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Revision or Issue

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

MULTI-USE TRAIL

TYPICAL RETAINING WALL SECTIONS & MISC. DETAILS

CBCL

CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed CM/DS	Drawn DS
Checked JAB	Approved JAB
Sheet No 37 of 37	
Drawing No C-213	

NOV 14/25
J.A. Baillie
7791

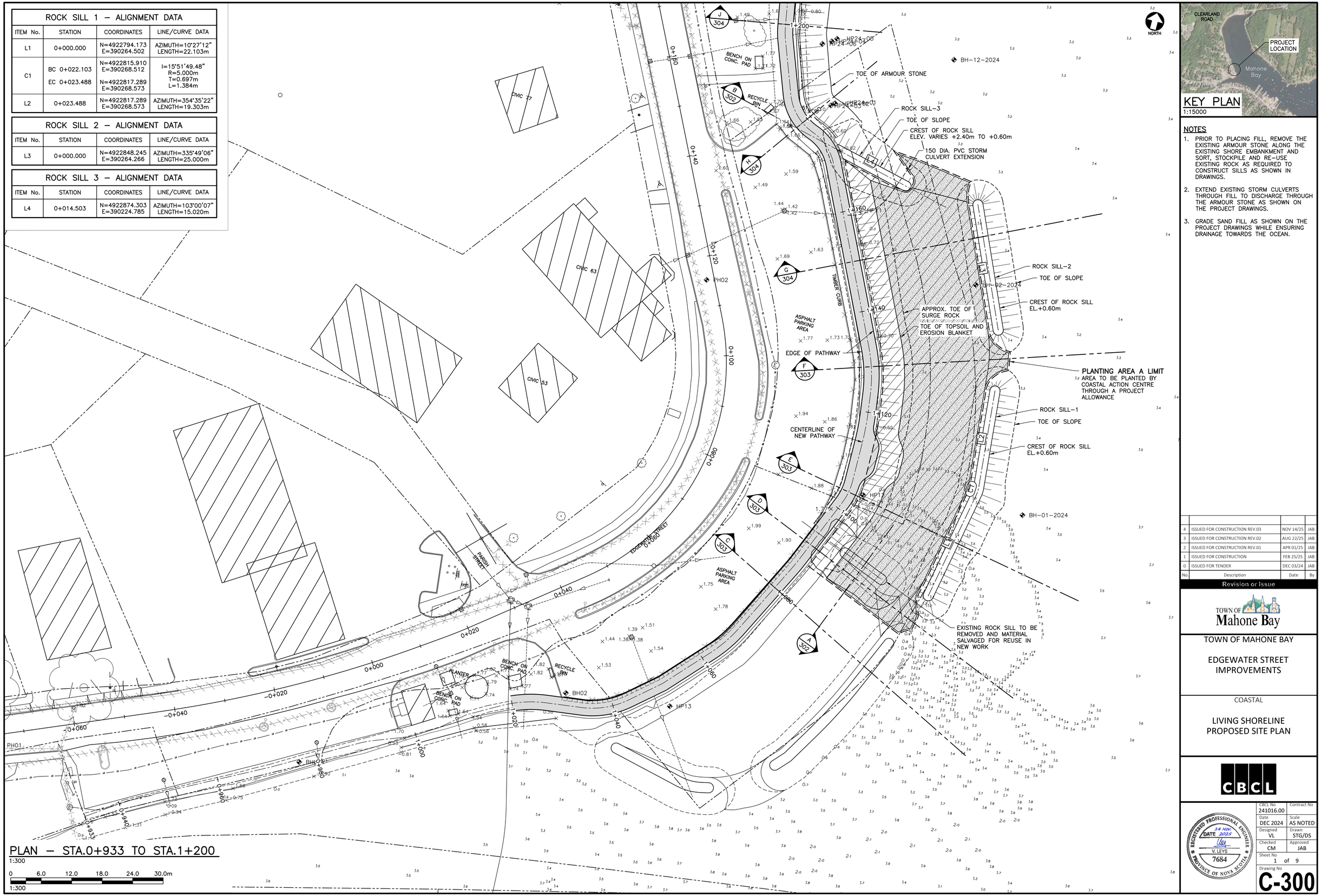
DRAWING NAME: \\CBCL.LAN\CBCL\HALIFAX\DATA\PROJECTS\2024\241016.00 MAHONE BAY EDGEWATER STREET REDEVELOPMENT\44 CAD\01 CIVIL\03 DRAWING SHEETS\241007.00 - CIVIL DETAILS.DWG LAYOUT NAME: TYPICAL RETAINING WALL SECTIONS & MISC. DETAILS PLOT DATE: Friday, November 14, 2025 8:10:38 AM CAD OPERATOR: DSWINAMER

CBCL-610x914 TITLE SHEET (ARCH D)

ROCK SILL 1 – ALIGNMENT DATA			
ITEM No.	STATION	COORDINATES	LINE/CURVE DATA
L1	0+000.000	N=4922794.173 E=390264.502	AZIMUTH=10°27'12" LENGTH=22.103m
C1	BC 0+022.103 EC 0+023.488	N=4922815.910 E=390268.512 N=4922817.289 E=390268.573	I=15°51'49.48" R=5.000m T=0.697m L=1.384m
L2	0+023.488	N=4922817.289 E=390268.573	AZIMUTH=354°35'22" LENGTH=19.303m

ROCK SILL 2 – ALIGNMENT DATA			
ITEM No.	STATION	COORDINATES	LINE/CURVE DATA
L3	0+000.000	N=4922848.245 E=390264.266	AZIMUTH=335°49'06" LENGTH=25.000m

ROCK SILL 3 – ALIGNMENT DATA			
ITEM No.	STATION	COORDINATES	LINE/CURVE DATA
L4	0+014.503	N=4922874.303 E=390224.785	AZIMUTH=103°00'07" LENGTH=15.020m



PLAN – STA.0+933 TO STA.1+200
1:300

0 6.0 12.0 18.0 24.0 30.0m
1:300

NOTES

1. PRIOR TO PLACING FILL, REMOVE THE EXISTING ARMOUR STONE ALONG THE EXISTING SHORE EMBANKMENT AND SORT, STOCKPILE AND RE–USE EXISTING ROCK AS REQUIRED TO CONSTRUCT SILLS AS SHOWN IN DRAWINGS.
2. EXTEND EXISTING STORM CULVERTS THROUGH FILL TO DISCHARGE THROUGH THE ARMOUR STONE AS SHOWN ON THE PROJECT DRAWINGS.
3. GRADE SAND FILL AS SHOWN ON THE PROJECT DRAWINGS WHILE ENSURING DRAINAGE TOWARDS THE OCEAN.

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV.01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

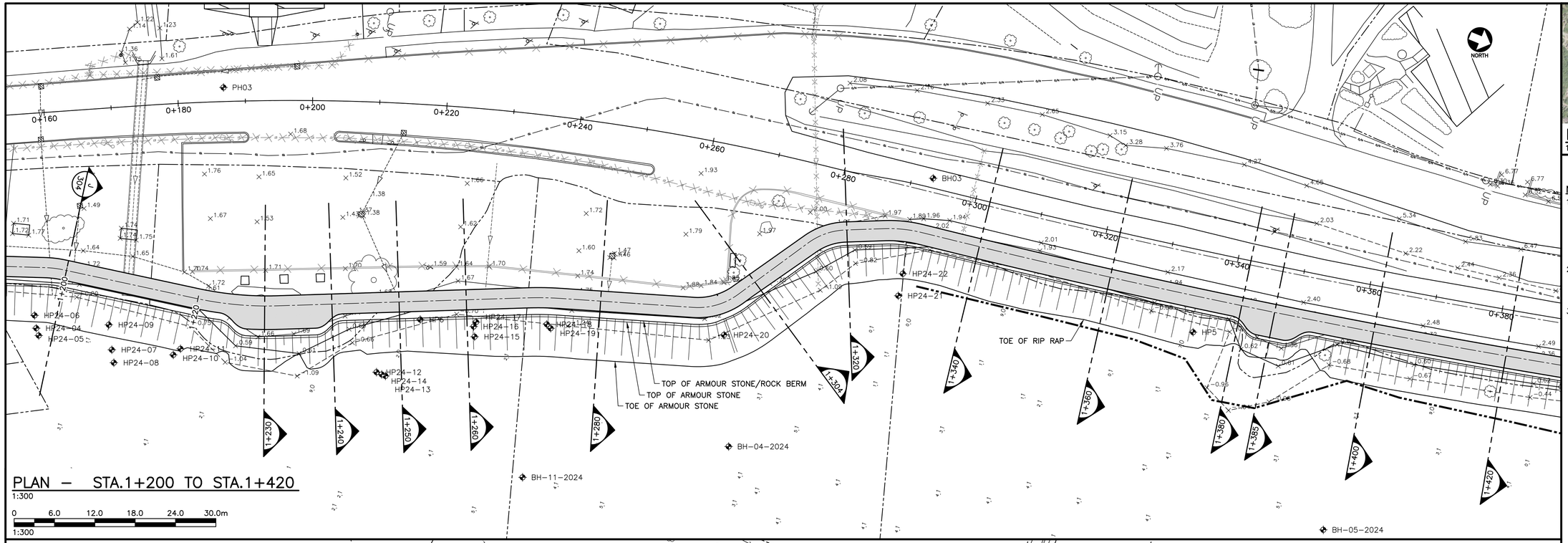
COASTAL

LIVING SHORELINE PROPOSED SITE PLAN

CBCL

REGISTERED PROFESSIONAL ENGINEER – PROVINCE OF NOVA SCOTIA – DATE 14 NOV 2025 – V. LEYS 7684

CBCL No	Contract No
241016.00	
Date	Scale
DEC 2024	AS NOTED
Designed	Drawn
VL	STG/DS
Checked	Approved
CM	JAB
Sheet No	
1 of 9	
Drawing No	
C-300	



PLAN – STA.1+200 TO STA.1+420
1:300

0 6.0 12.0 18.0 24.0 30.0m
1:300

PLAN – STA.1+420 TO STA.1+660
1:300

0 6.0 12.0 18.0 24.0 30.0m
1:300

KEY PLAN
1:15000

NOTES

1. PRIOR TO PLACING FILL, REMOVE THE EXISTING ARMOUR STONE ALONG THE EXISTING SHORE EMBANKMENT AND SORT, STOCKPILE AND RE-USE EXISTING ROCK AS REQUIRED TO CONSTRUCT SILLS AS SHOWN IN DRAWINGS.
2. EXTEND EXISTING STORM CULVERTS THROUGH FILL TO DISCHARGE THROUGH THE ARMOUR STONE AS SHOWN ON THE PROJECT DRAWINGS.
3. GRADE SAND FILL AS SHOWN ON THE PROJECT DRAWINGS WHILE ENSURING DRAINAGE TOWARDS THE OCEAN.

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
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1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

COASTAL

SITE PLANS

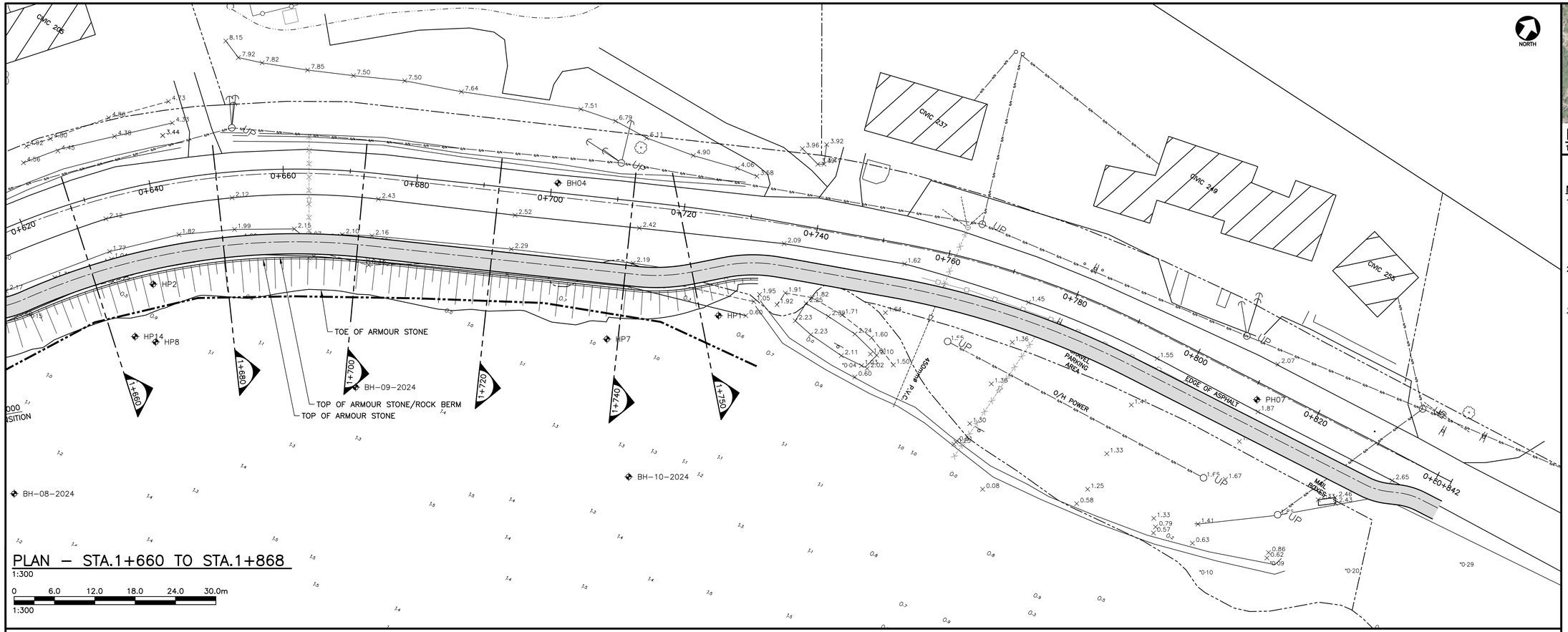
CBCL

REGISTERED PROFESSIONAL ENGINEER – PROVINCE OF NOVA SCOTIA – DATE 14 Nov. 2025 – V. LEYS – 7684

CBCL No 241016.00	Contract No
Date DEC 2024	Scale AS NOTED
Designed VL	Drawn STG/DS
Checked CM	Approved JAB
Sheet No 2 of 9	
Drawing No C-301	

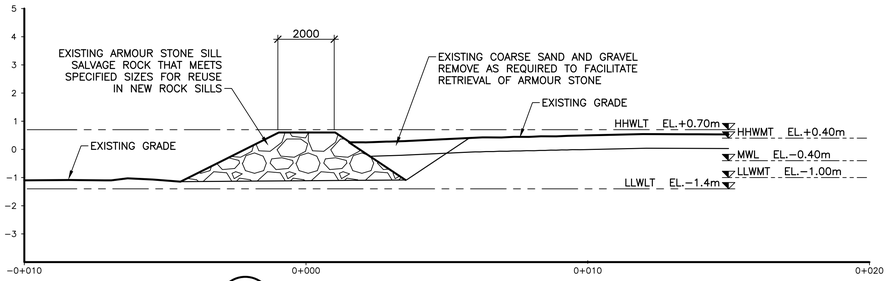
DRAWING NAME: \\CBCL.LAN\CBCL\HALIFAX\DATA\PROJECTS\2024\241016.00 MAHONE BAY EDGEWATER STREET REDEVELOPMENT\44 CAD\11 COASTAL\05 DRAWING SHEETS\241016.00 - C300 LIVING SHORELINE PROPOSED SITE PLAN.DWG LAYOUT NAME: C-301 PLOT DATE: Friday, November 14, 2025 8:20:41 AM CAD OPERATOR: DSWINAMER

CBCL-610x914 TITLE SHEET (ARCH D)

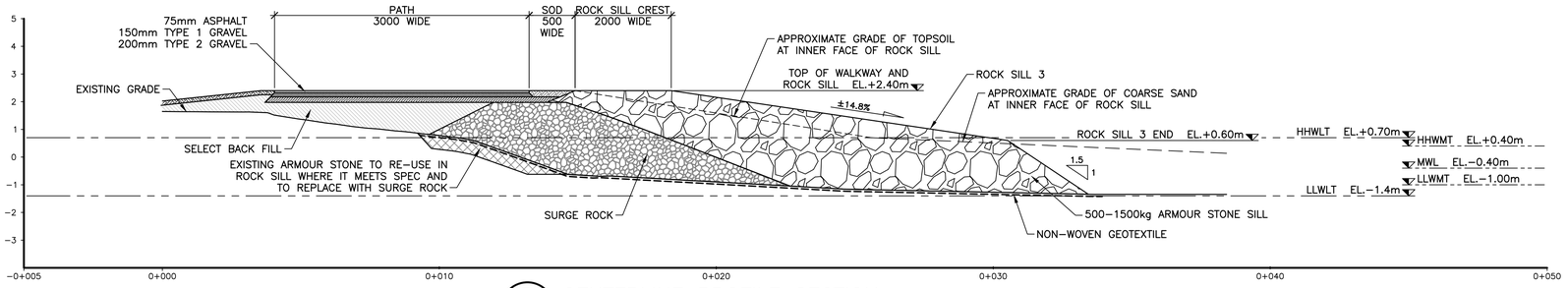


PLAN – STA.1+660 TO STA.1+868
1:300

0 6.0 12.0 18.0 24.0 30.0m
1:300



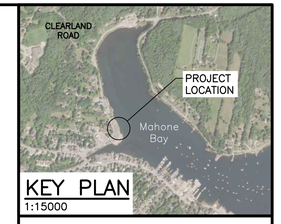
A 300 SECTION – EXISTING ROCK SILL REMOVAL
1:100



B 300 CENTERLINE PROFILE SECTION – ROCK SILL 3
1:100

LEGEND:

- ASPHALT
- COMPACTED TYPE 1 GRAVEL
- COMPACTED TYPE 2 GRAVEL
- COARSE SAND
- TOPSOIL
- SURGE ROCK
- EXISTING ARMOUR STONE
- ARMOUR STONE SILL 500–1500kg
- ARMOUR STONE 300–1000kg
- R2 RIP RAP
- FILTER STONE
- SELECT BACKFILL



KEY PLAN
1:15000

NOTES

1. PRIOR TO PLACING FILL, REMOVE THE EXISTING ARMOUR STONE ALONG THE EXISTING SHORE EMBANKMENT AND SORT, STOCKPILE AND RE–USE EXISTING ROCK AS REQUIRED TO CONSTRUCT SILLS AS SHOWN IN DRAWINGS.
2. EXTEND EXISTING STORM CULVERTS THROUGH FILL TO DISCHARGE THROUGH THE ARMOUR STONE AS SHOWN ON THE PROJECT DRAWINGS.
3. GRADE SAND FILL AS SHOWN ON THE PROJECT DRAWINGS WHILE ENSURING DRAINAGE TOWARDS THE OCEAN.

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0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

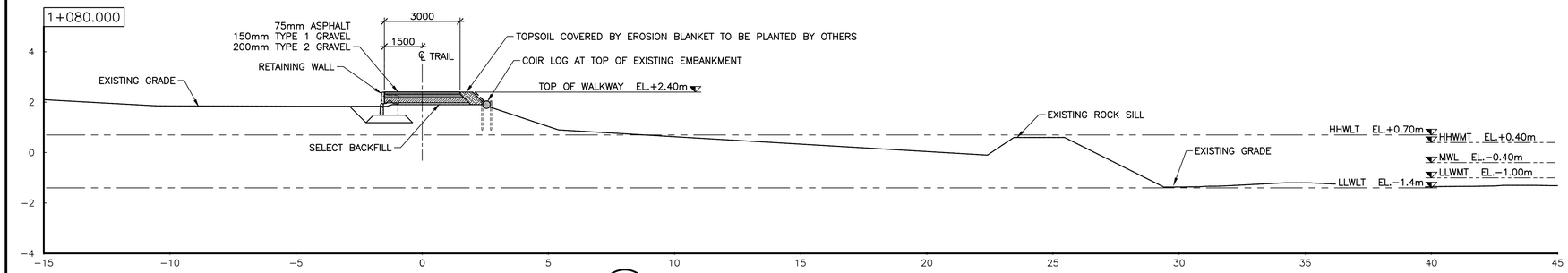
COASTAL

SITE PLAN AND SECTIONS

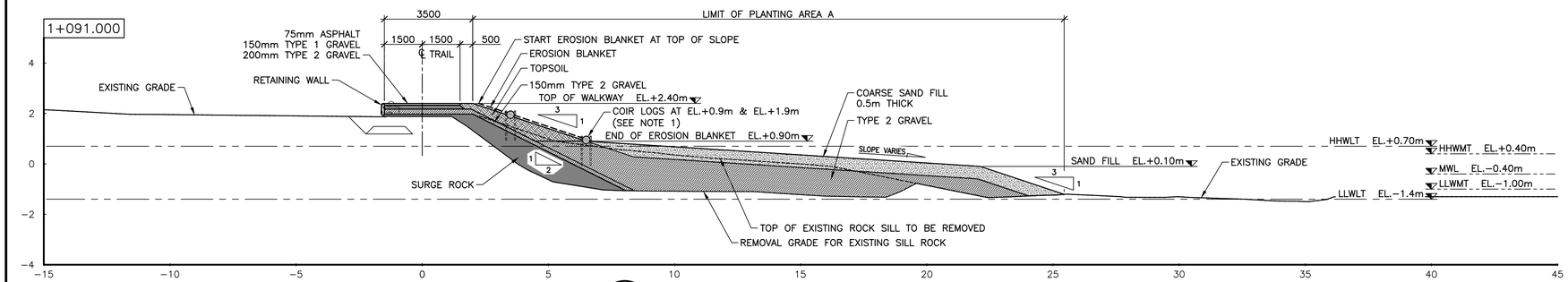
CBCL

REGISTERED PROFESSIONAL ENGINEER PROVINCE OF NOVA SCOTIA
14 NOV 2025
V. LEYS
7684

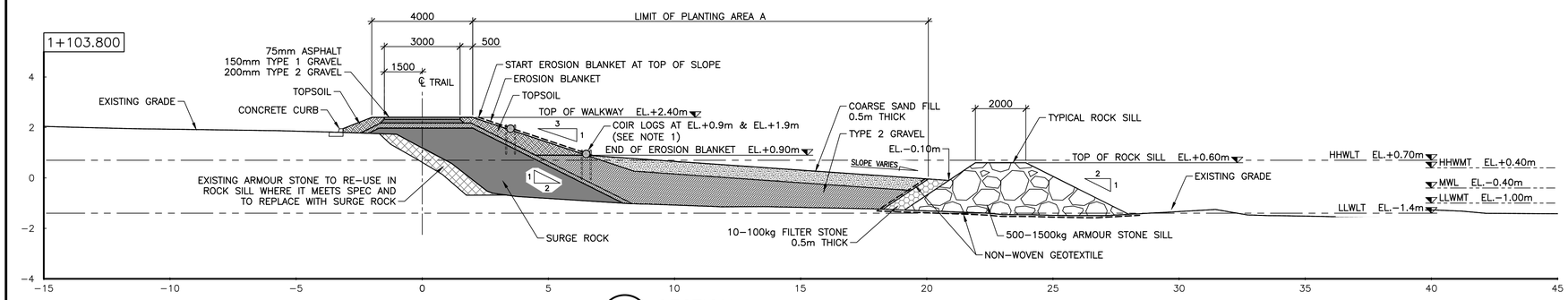
CBCL No 241016.00	Contract No
Date DEC 2024	Scale AS NOTED
Designed VL	Drawn STG/DS
Checked CM	Approved JAB
Sheet No 3 of 9	
Drawing No C-302	



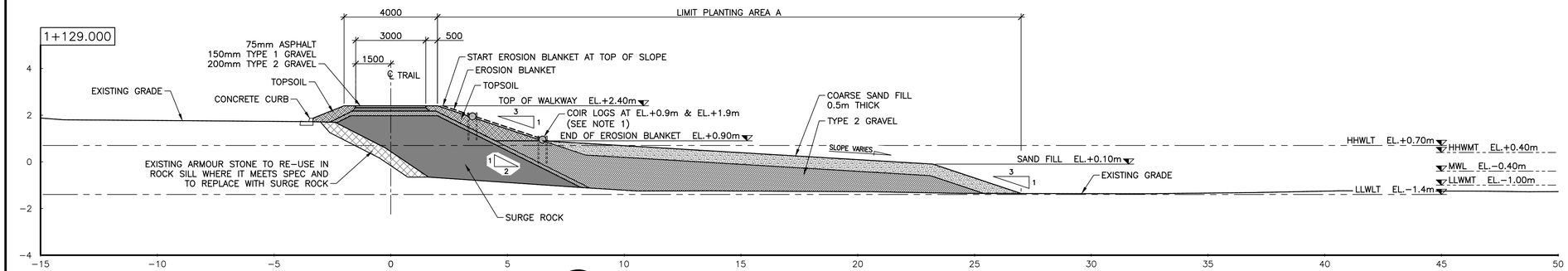
C 300 SECTION – OVER EXISTING LIVING SHORELINE
1:100



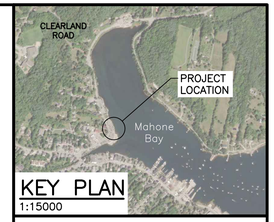
D 300 SECTION – OUTLET CHANNEL AT OLD ROCK SILL
1:100



E 300 SECTION – ROCK SILL 1
1:100



F 300 SECTION – OUTLET CHANNEL
1:100



KEY PLAN
1:15000

LEGEND:

- ASPHALT
- COMPACTED TYPE 1 GRAVEL
- COMPACTED TYPE 2 GRAVEL
- COARSE SAND
- TOPSOIL
- SURGE ROCK
- EXISTING ARMOUR STONE
- ARMOUR STONE SILL 500−1500kg
- ARMOUR STONE 300−1000kg
- R2 RIP RAP
- FILTER STONE
- SELECT BACKFILL

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Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

COASTAL

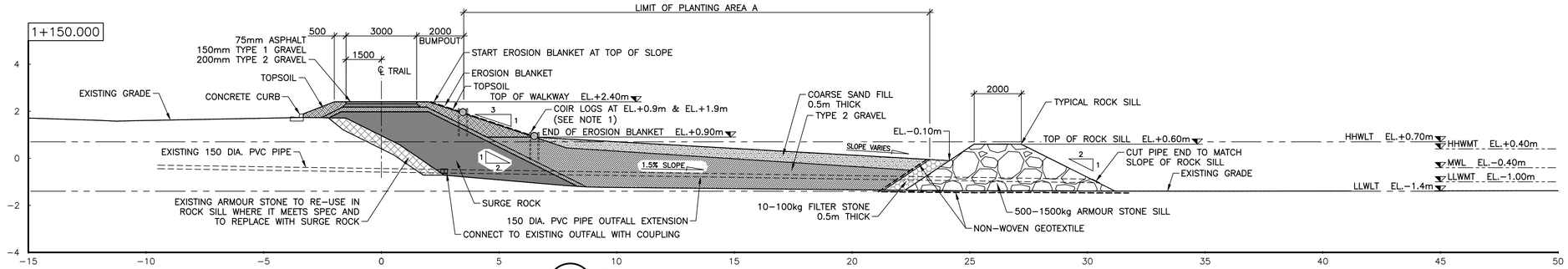
SITE SECTIONS
1 OF 6

CBCL

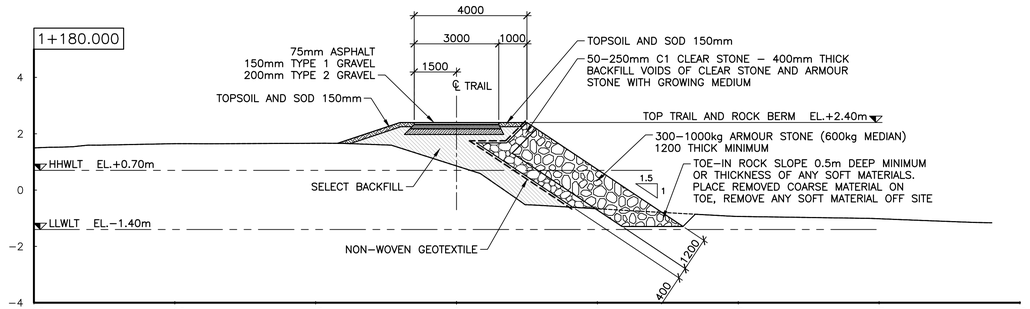
REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF NOVA SCOTIA
DATE 14 Nov. 2025
V. LEYS
7684

CBCL No	Contract No
241016.00	
Date: DEC 2024	Scale: AS NOTED
Designed: VL	Drawn: STG/DS
Checked: CM	Approved: JAB
Sheet No: 4 of 9	

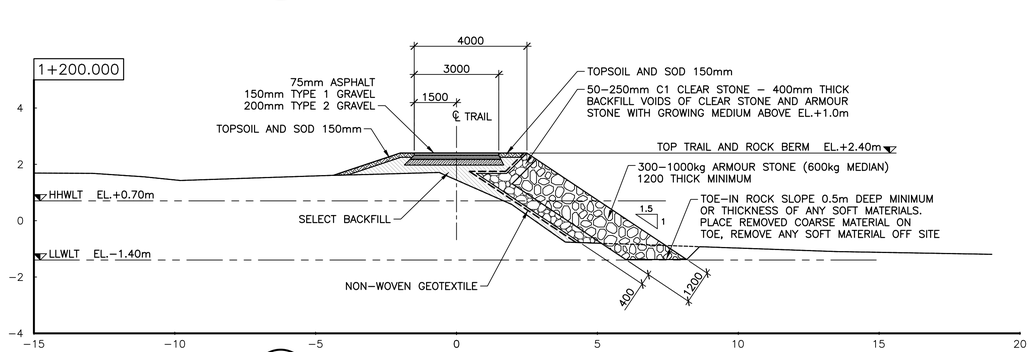
Drawing No
C-303



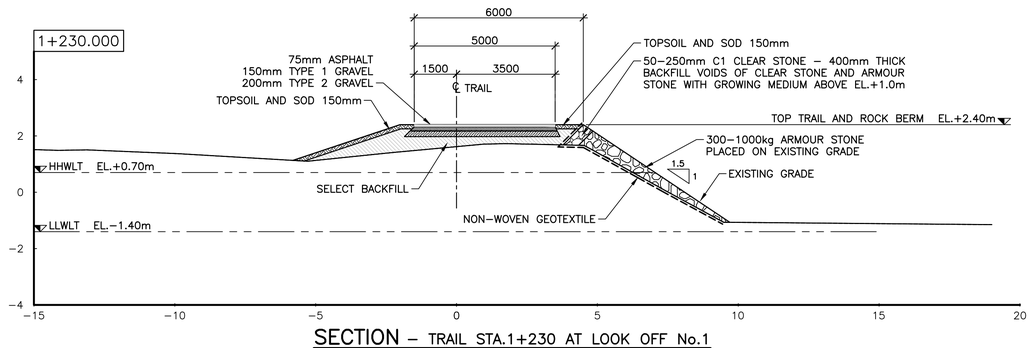
G 300 SECTION – ROCK SILL 2 AND STORM OUTFALL EXTENSION
1:100



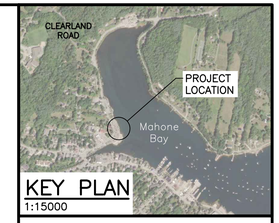
H 300 SECTION – TRAIL STA.1+180
1:100



J 300 SECTION – STA. 1+200
1:100



SECTION – TRAIL STA.1+230 AT LOOK OFF No.1
1:100



KEY PLAN
1:15000

LEGEND:

- ASPHALT
- COMPACTED TYPE 1 GRAVEL
- COMPACTED TYPE 2 GRAVEL
- COARSE SAND
- TOPSOIL
- SURGE ROCK
- EXISTING ARMOUR STONE
- ARMOUR STONE SILL 500−1500kg
- ARMOUR STONE 300−1000kg
- R2 RIP RAP
- FILTER STONE
- SELECT BACKFILL

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Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

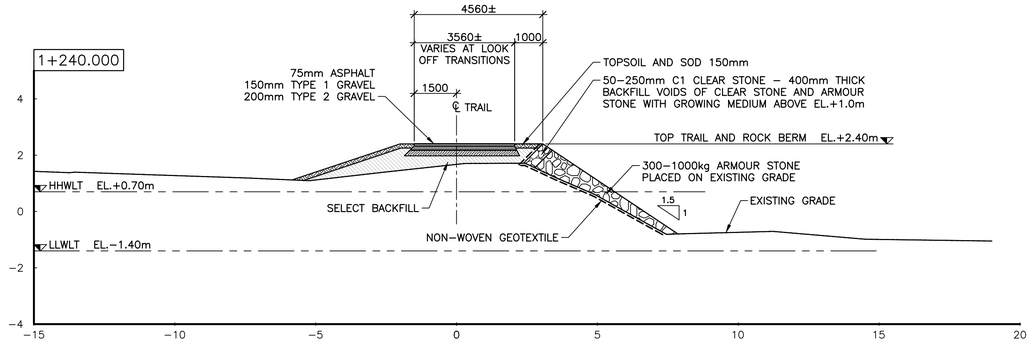
COASTAL

SITE SECTIONS
2 OF 6

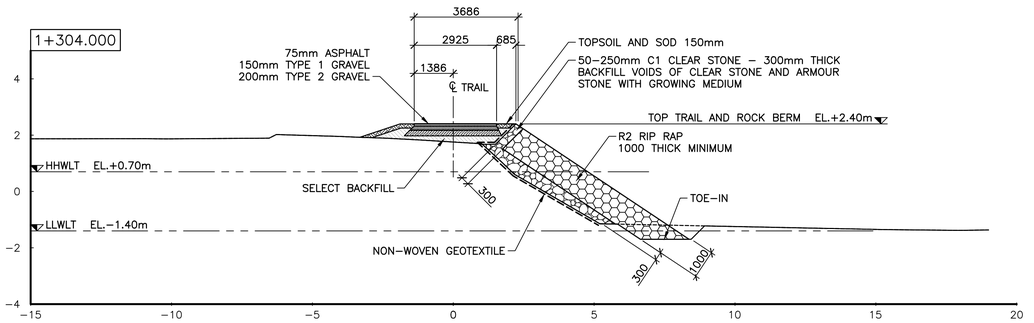
CBCL

REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF NOVA SCOTIA
DATE 14 Nov. 2025
V. LEYS
7684

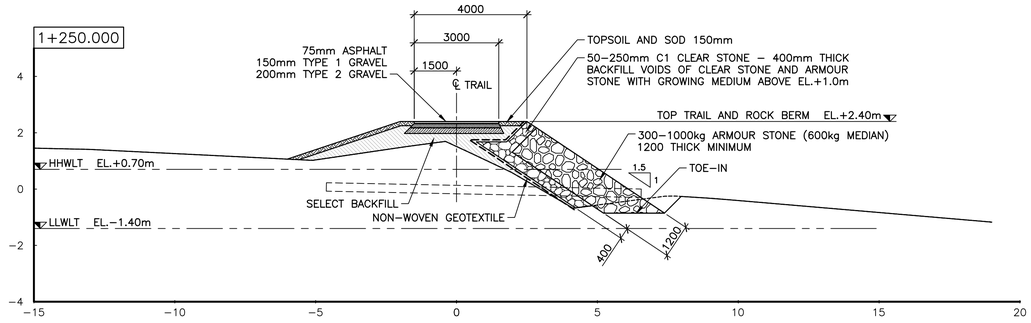
CBCL No 241016.00	Contract No
Date DEC 2024	Scale AS NOTED
Designed VL	Drawn STG/DS
Checked CM	Approved JAB
Sheet No 5 of 9	
Drawing No C-304	



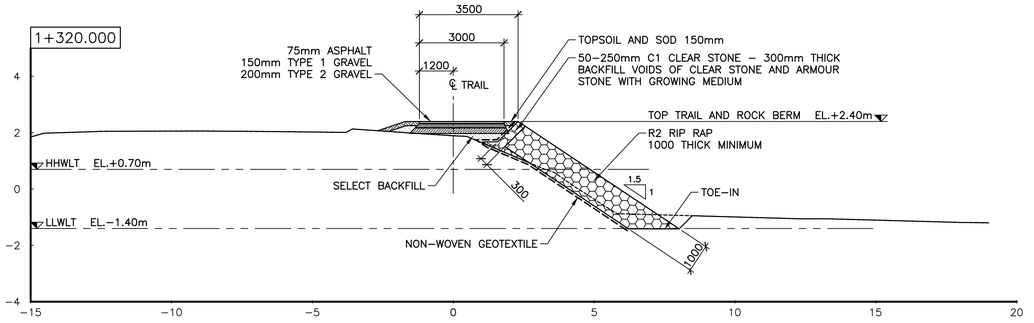
SECTION – TRAIL STA.1+240
1:100



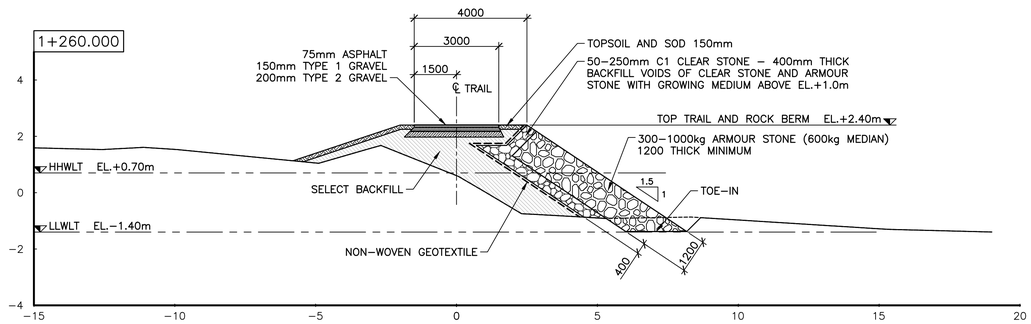
SECTION – TRAIL STA.1+305
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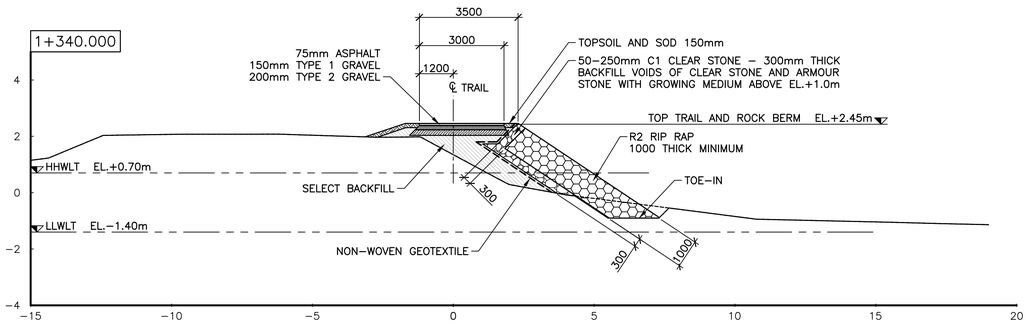
SECTION – TRAIL STA. 1+250
1:100



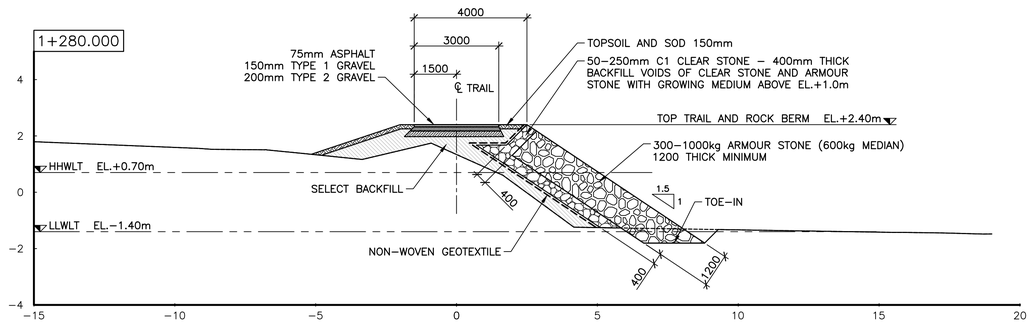
SECTION – TRAIL STA. 1+320
1:100



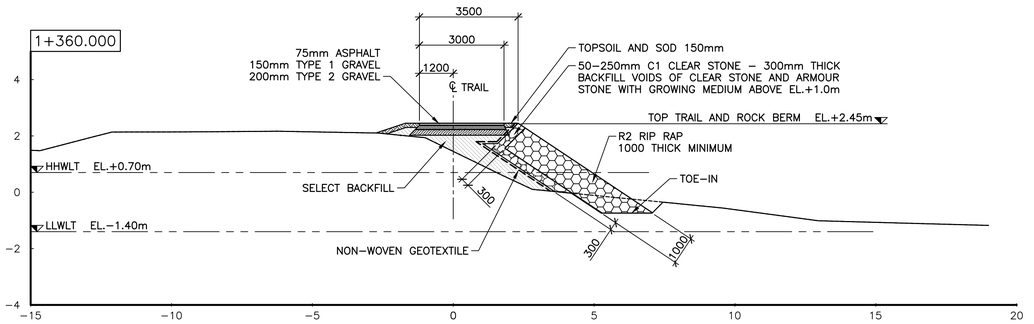
SECTION – TRAIL STA. 1+260
1:100



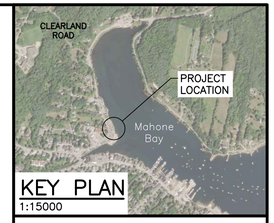
SECTION – TRAIL STA. 1+340
1:100



SECTION – TRAIL STA. 1+280
1:100



SECTION – TRAIL STA. 1+360
1:100



KEY PLAN
1:15000

LEGEND:

- ASPHALT
- COMPACTED TYPE 1 GRAVEL
- COMPACTED TYPE 2 GRAVEL
- COARSE SAND
- TOPSOIL
- SURGE ROCK
- EXISTING ARMOUR STONE
- ARMOUR STONE SILL 500–1500kg
- ARMOUR STONE 300–1000kg
- R2 RIP RAP
- FILTER STONE
- SELECT BACKFILL

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Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

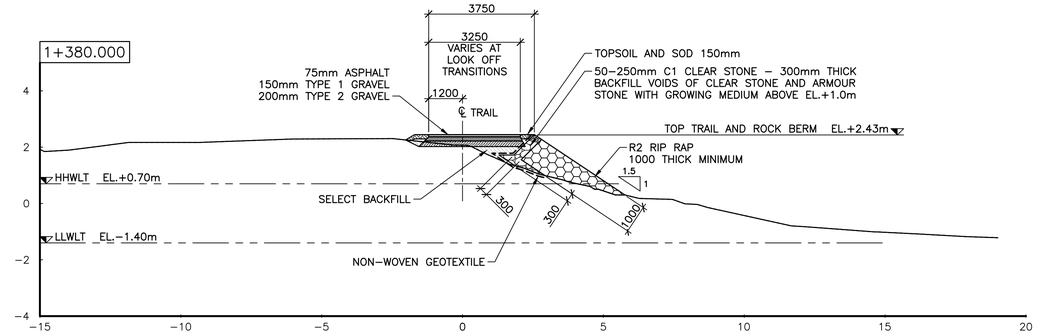
COASTAL

SITE SECTIONS
3 OF 6

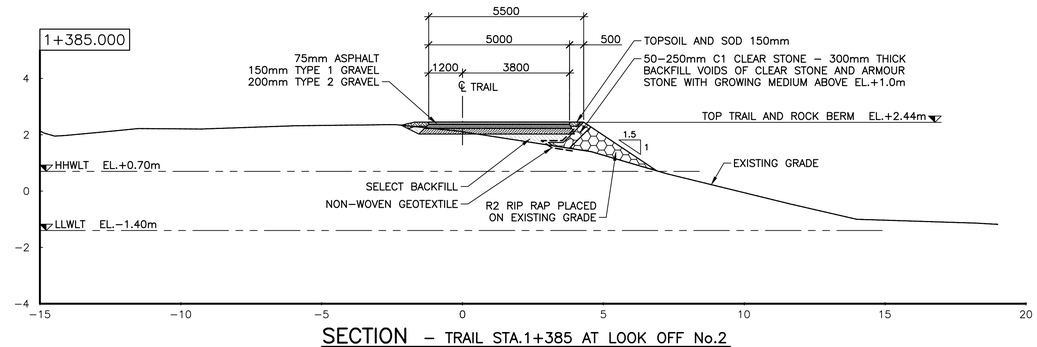
CBCL

REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF NOVA SCOTIA
DATE 14 NOV. 2025
V. LEYS
7684

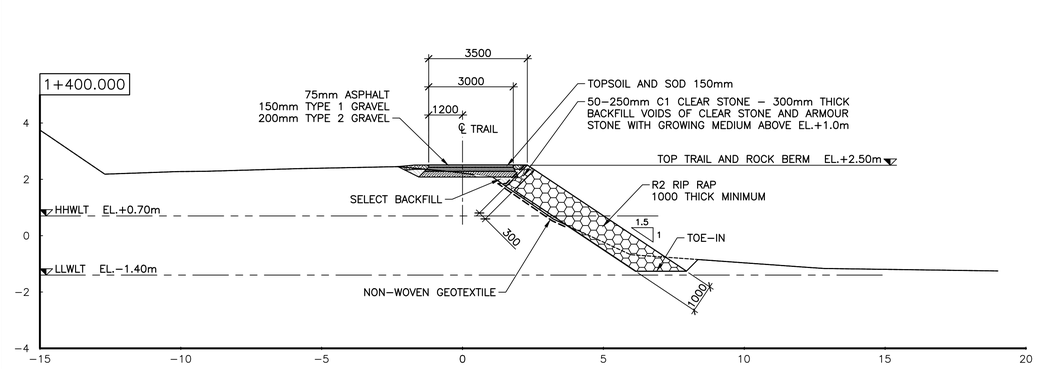
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Date DEC 2024	Scale AS NOTED
Designed VL	Drawn STG/DS
Checked CM	Approved JAB
Sheet No 6 of 9	
Drawing No C-305	



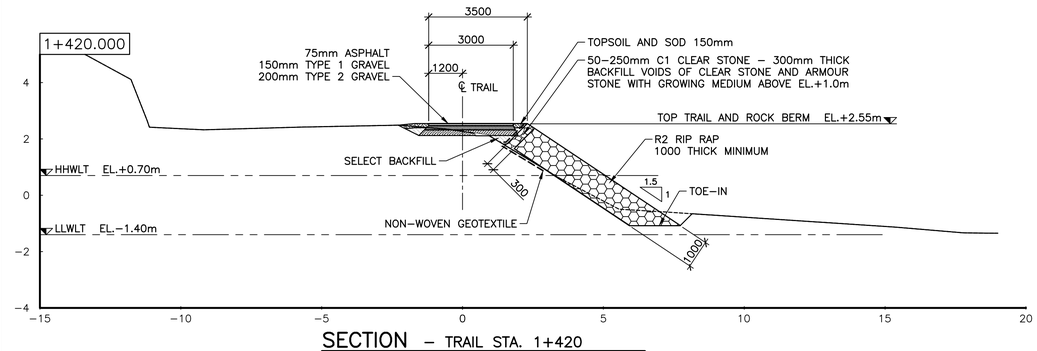
SECTION – TRAIL STA. 1+380
1:100



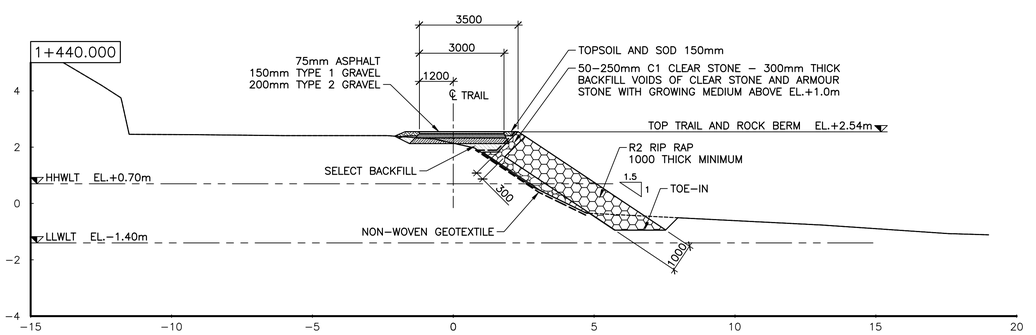
SECTION – TRAIL STA.1+385 AT LOOK OFF No.2
1:100



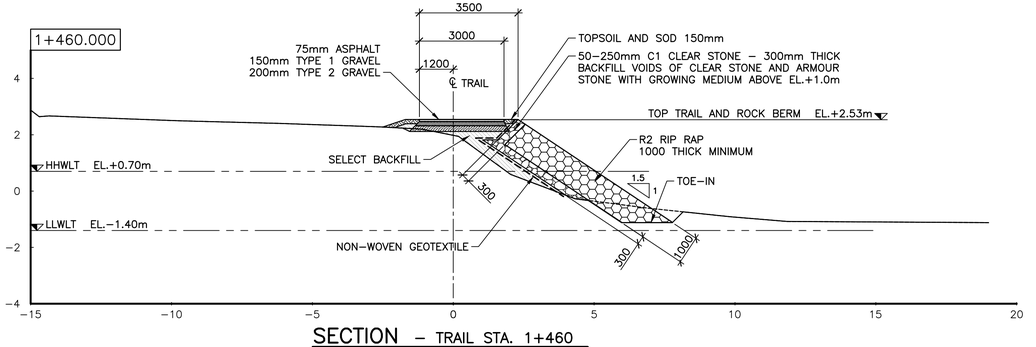
SECTION – TRAIL STA. 1+400
1:100



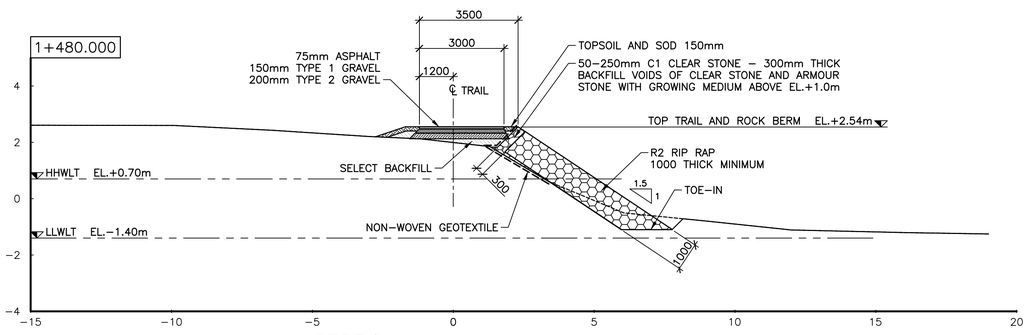
SECTION – TRAIL STA. 1+420
1:100



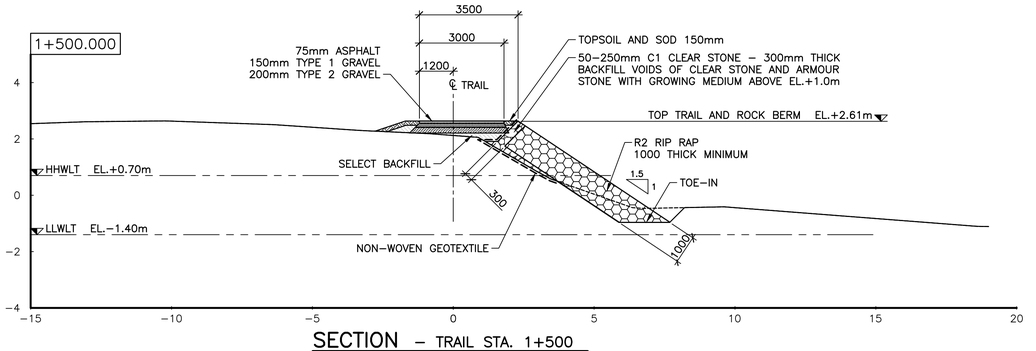
SECTION – TRAIL STA. 1+440
1:100



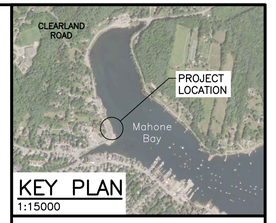
SECTION – TRAIL STA. 1+460
1:100



SECTION – TRAIL STA.1+480
1:100



SECTION – TRAIL STA. 1+500
1:100



KEY PLAN
1:15000

LEGEND:

- ASPHALT
- COMPACTED TYPE 1 GRAVEL
- COMPACTED TYPE 2 GRAVEL
- COARSE SAND
- TOPSOIL
- SURGE ROCK
- EXISTING ARMOUR STONE
- ARMOUR STONE SILL 500–1500kg
- ARMOUR STONE 300–1000kg
- R2 RIP RAP
- FILTER STONE
- SELECT BACKFILL

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Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

COASTAL

SITE SECTIONS
4 OF 6

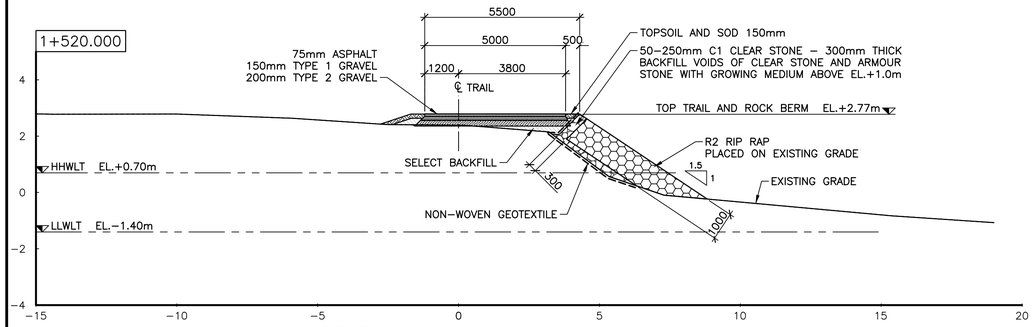
CBCL

REGISTERED PROFESSIONAL ENGINEER
DATE 14 NOV 2025
V. LEYS
7684
PROVINCE OF NOVA SCOTIA

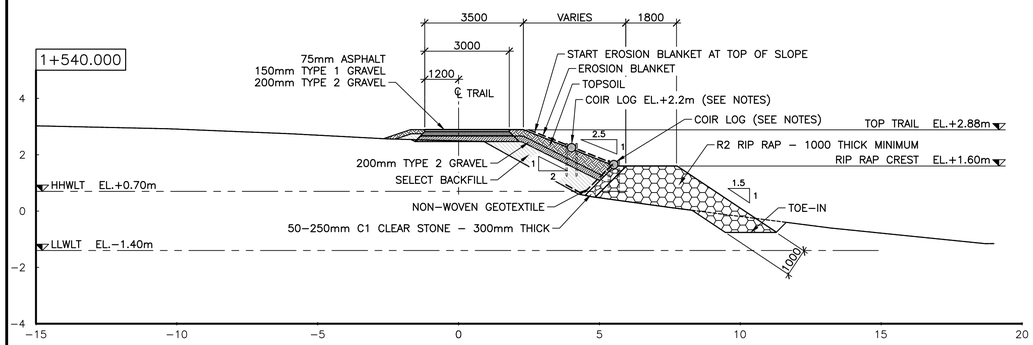
CBCL No 241016.00	Contract No
Date DEC 2024	Scale AS NOTED
Designed VL	Drawn STG/DS
Checked CM	Approved JAB
Sheet No 7 of 9	
Drawing No C-306	

CBCL-610x914 TITLE SHEET (ARCH D)

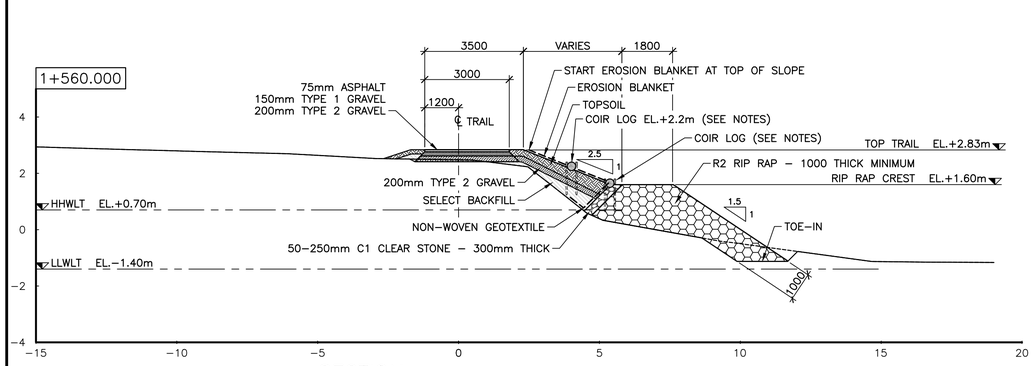
DRAWING NAME: \\CBCL.LAN\CBCL\HALIFAX\DATA\PROJECTS\2024\241016.00 MAHONE BAY EDGEWATER STREET REDEVELOPMENT\44 CAD\11 COASTAL\05 DRAWING SHEETS\241016.00 C-303 SITE SECTIONS.DWG LAYOUT NAME: C-306 PLOT DATE: Friday, November 14, 2025 8:21:52 AM CAD OPERATOR: DSWINAMER



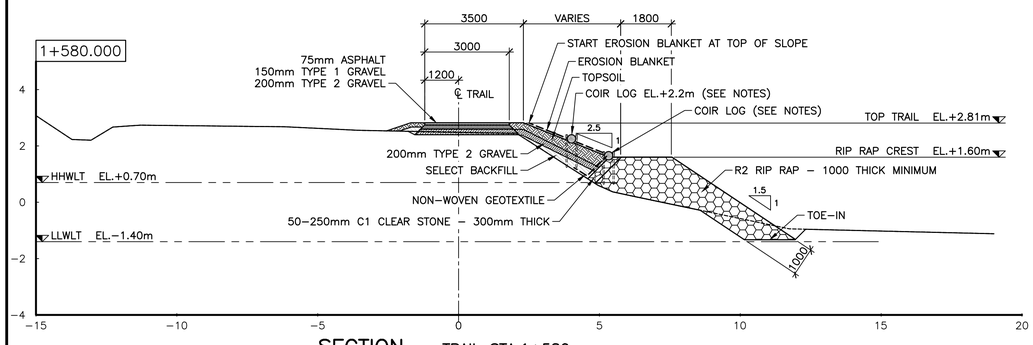
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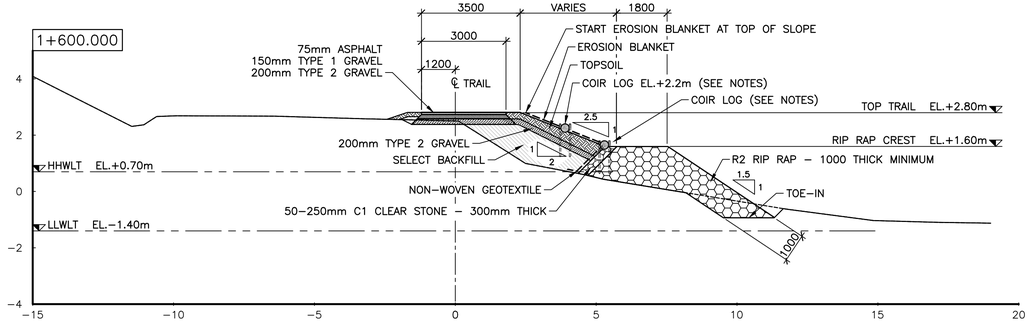
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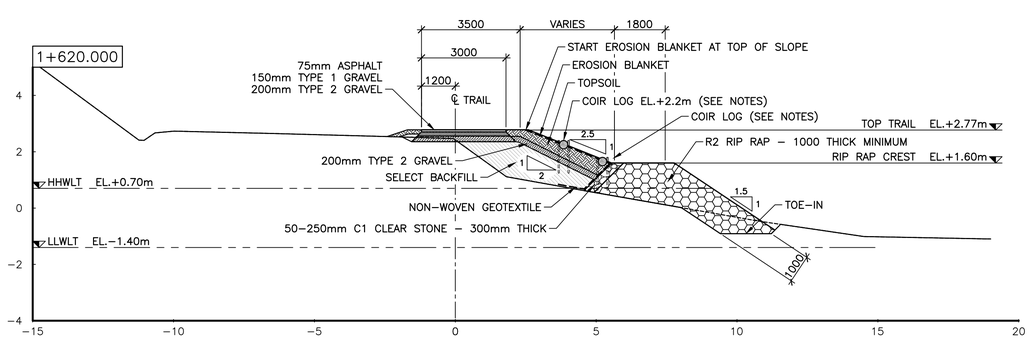
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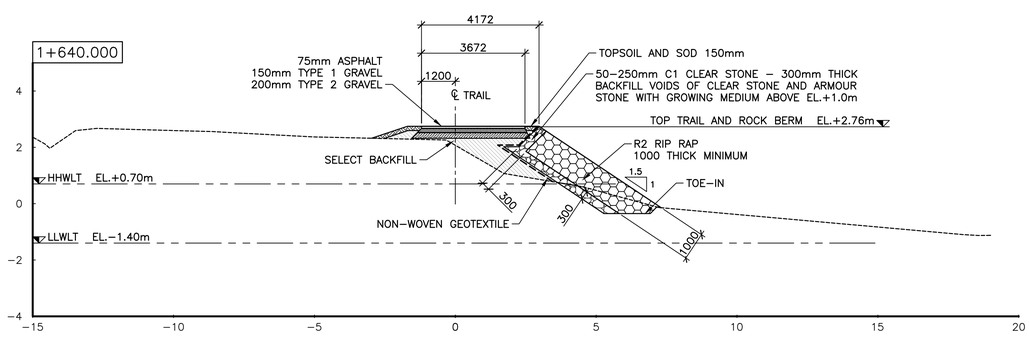
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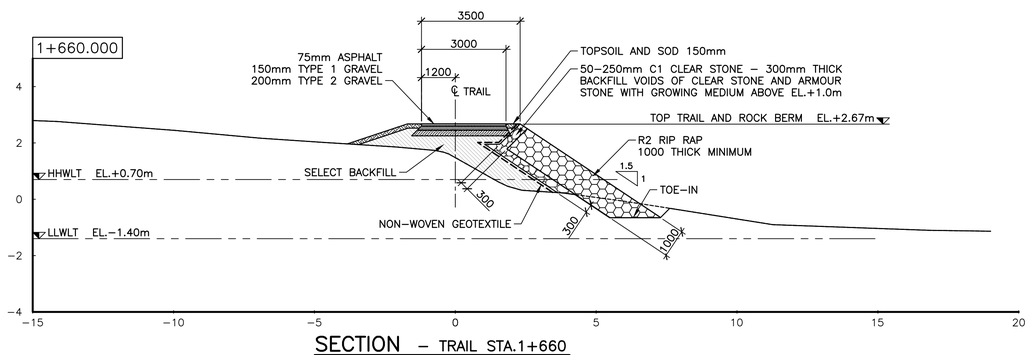
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1:100



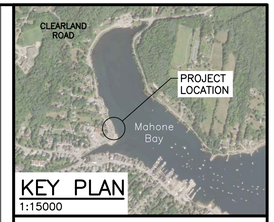
SECTION – TRAIL STA.1+620
1:100



SECTION – TRAIL STA.1+640
1:100



SECTION – TRAIL STA.1+660
1:100



KEY PLAN
1:15000

LEGEND:

- ASPHALT
- COMPACTED TYPE 1 GRAVEL
- COMPACTED TYPE 2 GRAVEL
- COARSE SAND
- TOPSOIL
- SURGE ROCK
- EXISTING ARMOUR STONE
- ARMOUR STONE SILL 500–1500kg
- ARMOUR STONE 300–1000kg
- R2 RIP RAP
- FILTER STONE
- SELECT BACKFILL

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV. 01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

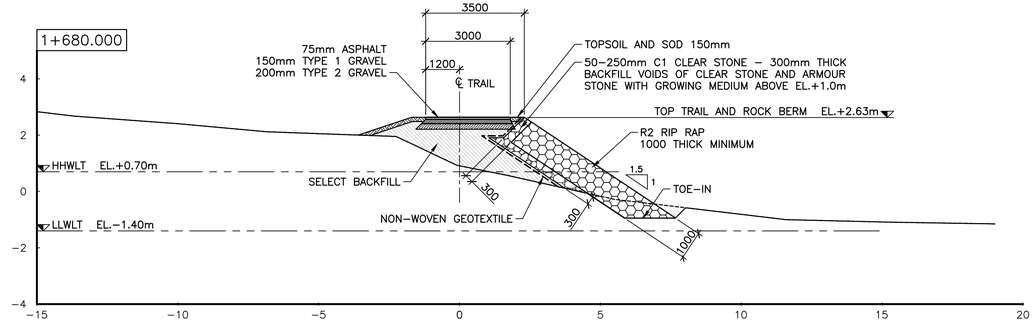
COASTAL

SITE SECTIONS
5 OF 6

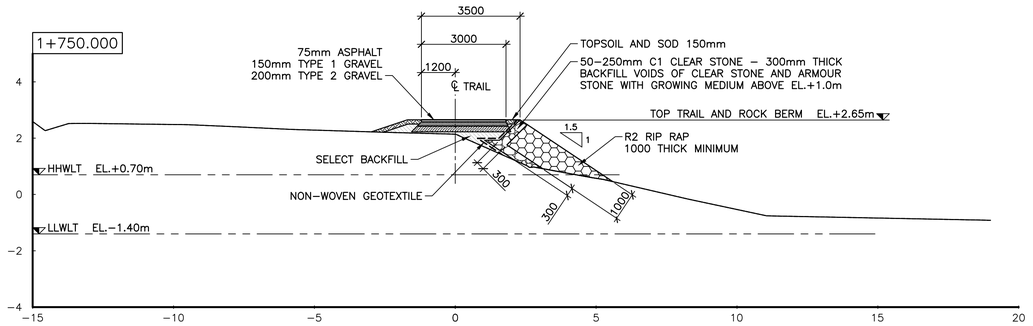
CBCL

REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF NOVA SCOTIA
DATE 14 Nov. 2025
V. LEYS
7684

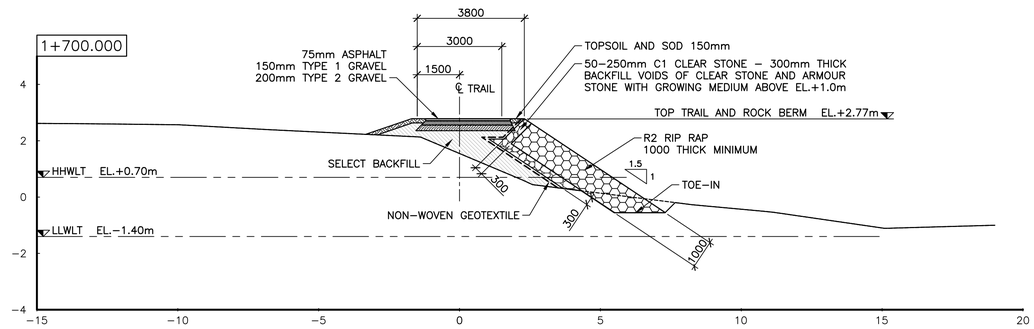
CBCL No 241016.00	Contract No
Date DEC 2024	Scale AS NOTED
Designed VL	Drawn STG/DS
Checked CM	Approved JAB
Sheet No 8 of 9	
Drawing No C-307	



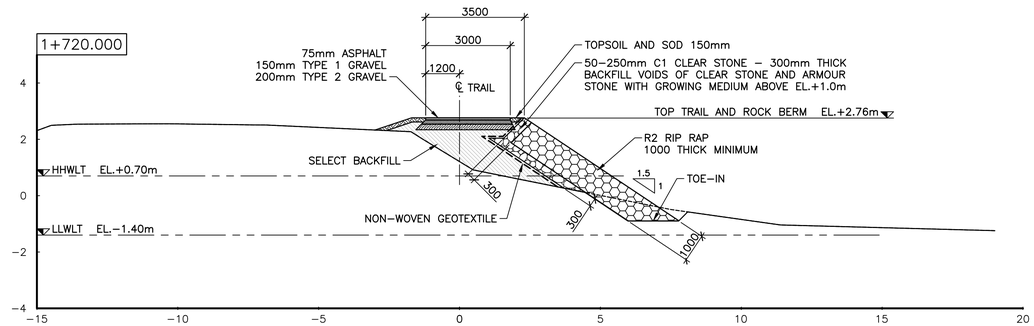
SECTION – TRAIL STA.1+680
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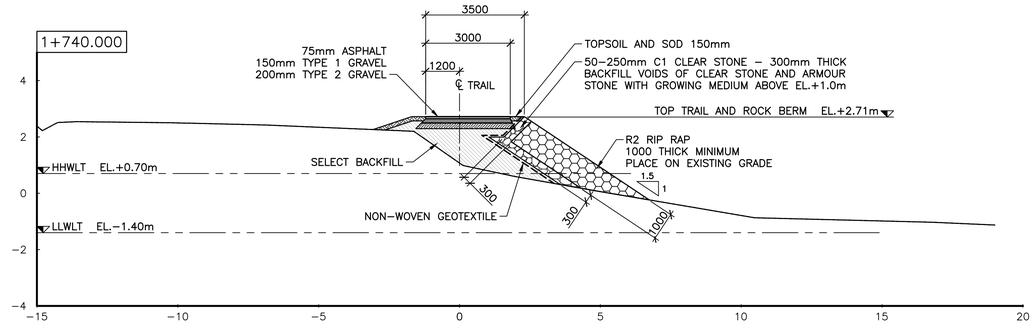
SECTION – TRAIL STA.1+750
1:100



SECTION – TRAIL STA.1+700
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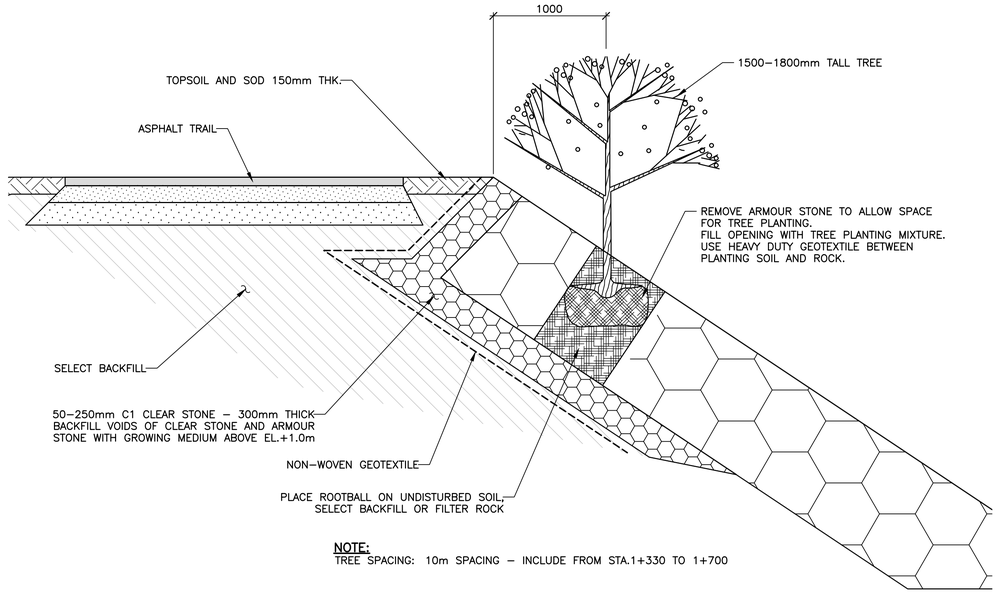
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SECTION – TRAIL STA.1+740
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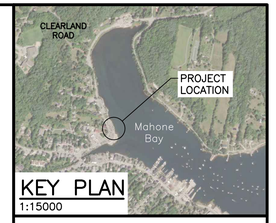
NOTES

1. COIR LOGS
   - RECESS APPROX. 1/3 OF LOG INTO FINISHED GRADE
   - MIN. LOG DIAMETER 300mm
   - MADE OF 100% DURABLE COCONUT (COIR) FIBER UNIFORMLY COMPACTED WITHIN WOVEN NETTING MADE OF BRISTLE COIR TWINE WITH A MIN. TENSILE STRENGTH 356N.
   - NETTING SHALL HAVE NOMINAL 50mm BY 50mm OPENINGS.
   - LOG SEGMENTS MAX. LENGTH 6000mm.
   - LOG MIN. DENSITY 110 kg/m3.
   - OVERLAP LOG ENDS BY MIN. 300mm
   - PLACE LOGS BETWEEN WOODEN STAKES ON EACH SIDE
   - MIN. STAKE DIAMETER 50mm
   - STAKES MADE OF UNTREATED LOCAL WOOD SPECIES.
   - CONNECT TOP OF OPPOSING STAKES WITH 6mm NATURAL FIBER ROPE TIE. WOOD STAKES SHALL HAVE A NOTCH TO SECURE THE ROPE TIES.
   - MIN STAKE LENGTH 3xLOG DIAMETER = 1200mm
   - PLACE TOP OF STAKES FLUSH WITH COIR LOG
   - STAKE LONGITUDINAL SPACING MAX. 750mm
2. PLANTINGS WITHIN ROCK PROTECTION TO BE COMPLETED BY COASTAL ACTION CENTER
   - BACKFILL VOIDS OF CLEAR STONE AND ARMOURSTONE WITH GROWING MEDIUM ABOVE EL. +1.0
3. LIST OF ACCEPTABLE SPECIES WILL BE PROVIDED



NOTE:
TREE SPACING: 10m SPACING – INCLUDE FROM STA.1+330 TO 1+700

1 / C–308 DETAIL – COASTAL TREE PLANTING
1:25



KEY PLAN
1:15000

LEGEND:

- ASPHALT
- COMPACTED TYPE 1 GRAVEL
- COMPACTED TYPE 2 GRAVEL
- COARSE SAND
- TOPSOIL
- SURGE ROCK
- EXISTING ARMOUR STONE
- ARMOUR STONE SILL 500–1500kg
- ARMOUR STONE 300–1000kg
- R2 RIP RAP
- FILTER STONE
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Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

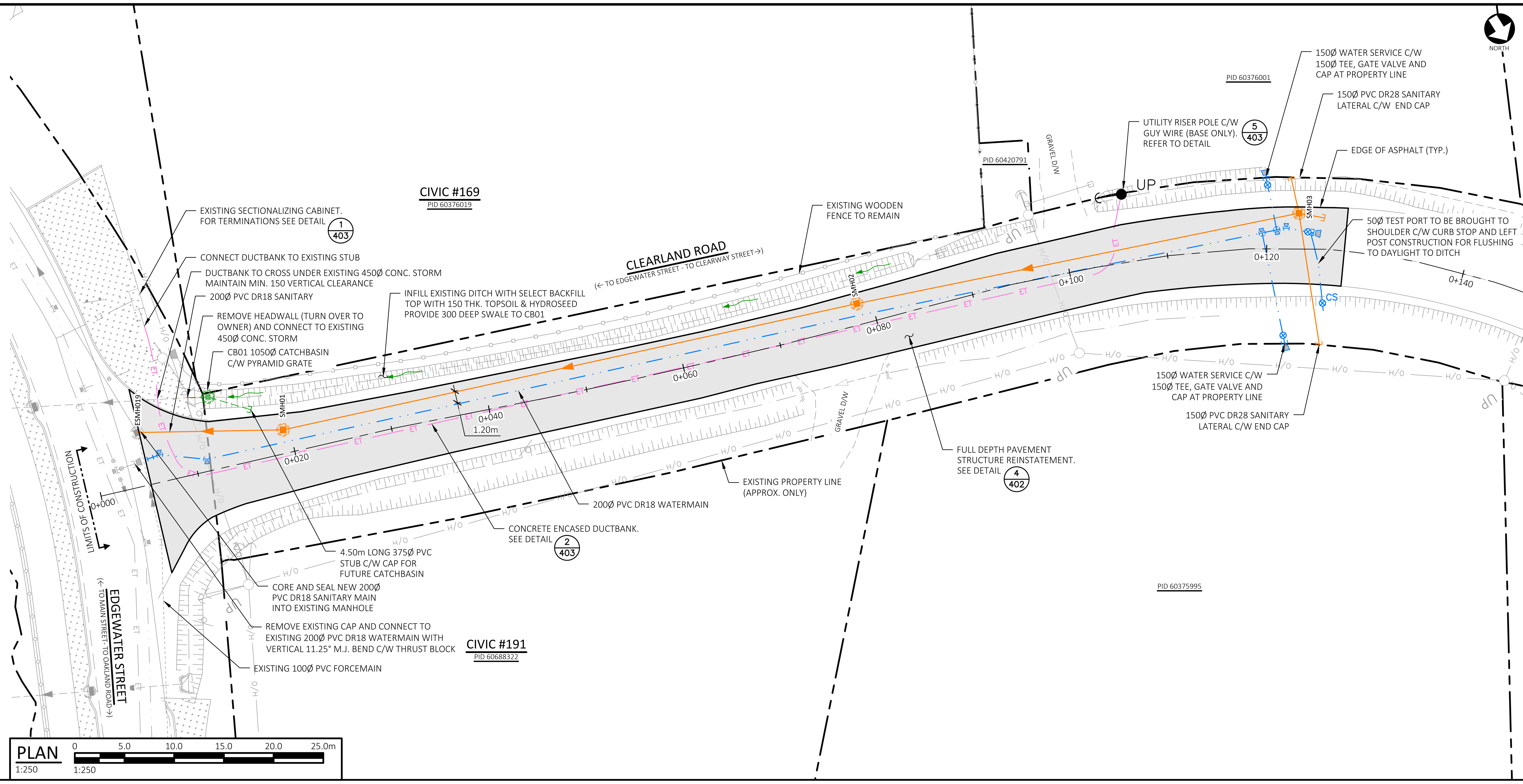
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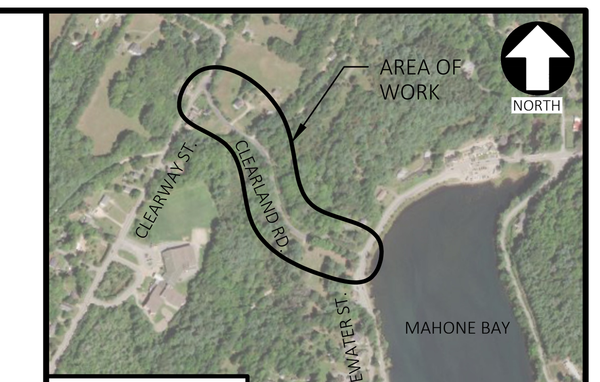
SITE SECTIONS
6 OF 6

CBCL

REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF NOVA SCOTIA
DATE 14 NOV 2025
V. LEYS
7684

CBCL No 241016.00	Contract No
Date DEC 2024	Scale AS NOTED
Designed VL	Drawn STG/DS
Checked CM	Approved JAB
Sheet No 9 of 9	
Drawing No C-308	



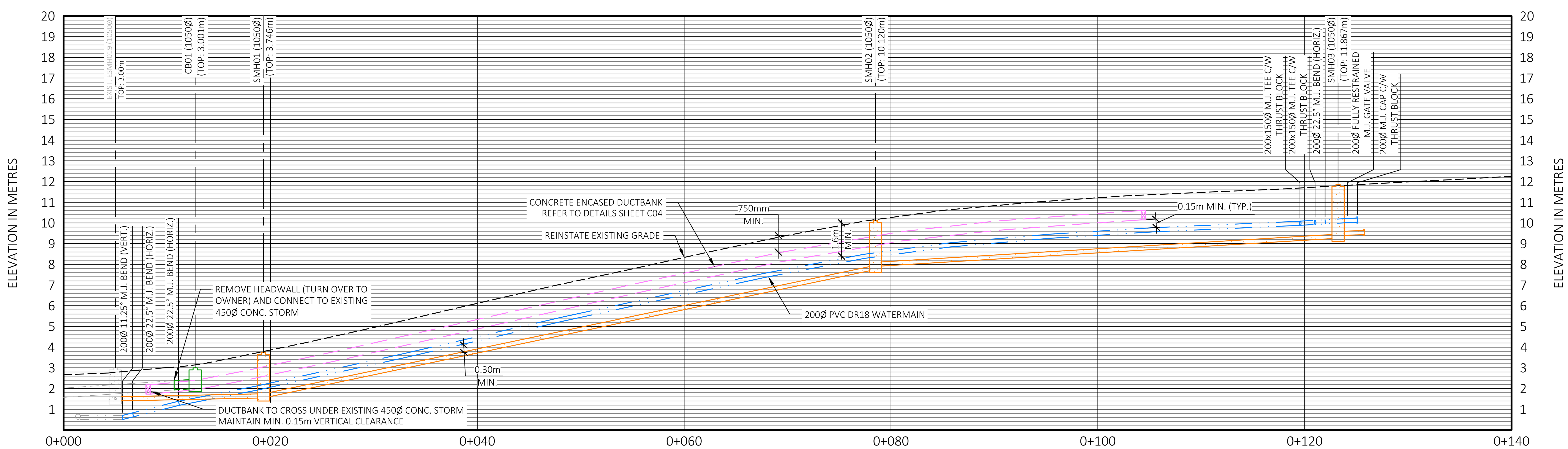


KEY PLAN
1:10,000m

NOTES
1. LINE FOR NOTES
2. LINE FOR NOTES

LEGEND

EXISTING SYMBOL	DESCRIPTION OF SYMBOL	PROPOSED SYMBOL
	PROPERTY LINE	
SN	ROAD SIGNS	
	TREE	
	CHAINLINK FENCE	
	WOODEN FENCE	
	TOP OF SLOPE	
	BOTTOM OF SLOPE	
19.0	SPOT ELEVATION	19.00
	SPOT ELEVATION (SUBGRADE)	19.00
	WATERMAIN	
ARV BFV PIV	WATER VALVES	ARV BFV PIV
	WATERMAIN FITTINGS	
	FIRE HYDRANT	
	SANITARY SEWER	
	SANITARY FORCEMAIN	
	SANITARY CLEAN OUT	
	SANITARY CAP	
	STORM CULVERT	
	CONCRETE HEADWALL	
ET	U/G POWER	ET
O/H	O/H POWER	O/H
UP	UTILITY POLE	UP
	EDGE OF ASPHALT	
	EDGE OF GRAVEL	
	DITCH ℄	
	GUARD RAIL	
	ASPHALT	



GRADE	3.86 / 3.862	6.12 / 6.117	8.33 / 8.333	10.26 / 10.264	11.22 / 11.217	11.70 / 11.701	12.25 / 12.254

SANITARY SEWER	
1.400 → 1.547	14.669m-200Ø SAN. PVC DR18 @ -1.00%
1.549 → 7.751	59.079m-200Ø SAN. PVC DR35 @ -10.50%
7.900 → 9.262	45.405m-200Ø SAN. PVC DR35 @ -3.00%
9.?87 → 9.?40	2.626m-200Ø SAN. PVC DR35 @ -2.00%

PROFILE
1:250H 1:125V

No.	Description	Date	By
0	ISSUED FOR CO-28	JUN 12/26	CM

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

CLEARLAND ROAD SERVICING

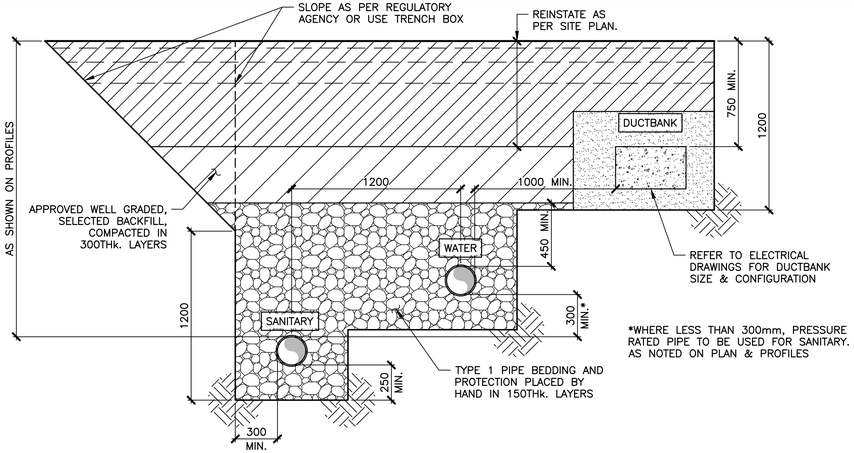
PLAN & PROFILE
CLEARLAND ROAD

0+000 TO 0+170

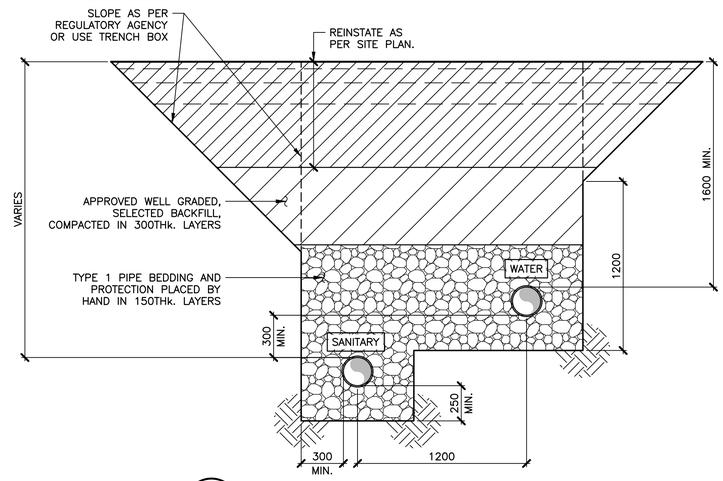
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REGISTERED PROFESSIONAL ENGINEER — Date: 26/06/12 — C. J. McCardle — 20251171 — PROVINCE OF NOVA SCOTIA

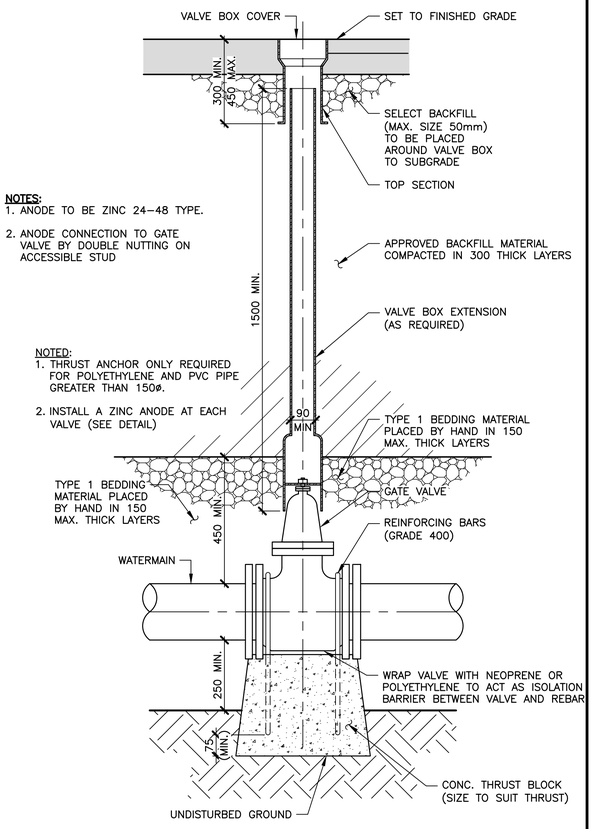
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Date MAR. 2026	Scale AS NOTED
Designed DS/CM	Drawn DS/CC
Checked CM	Approved JAB
Sheet No 1 of 4	
Drawing No C-400	



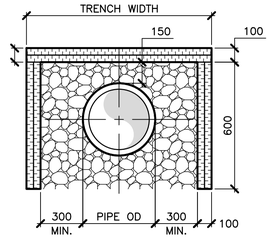
1 C-400 **DETAIL—TYPICAL TRENCH – TWO PIPES & DUCTBANK**
1:20



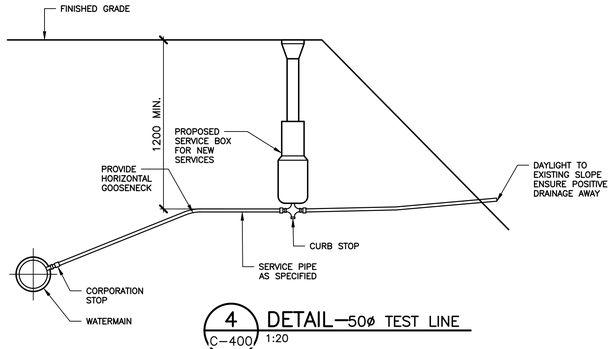
2 C-400 **DETAIL—TYPICAL TRENCH – WATER & SANITARY**
1:20



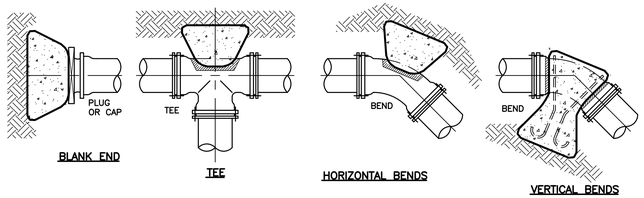
5 C-400 **DETAIL—GATE VALVE AND BOX**
1:10



3 C-400 **DETAIL—TRENCH INSULATION**
1:20



4 C-400 **DETAIL—50ø TEST LINE**
1:20



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

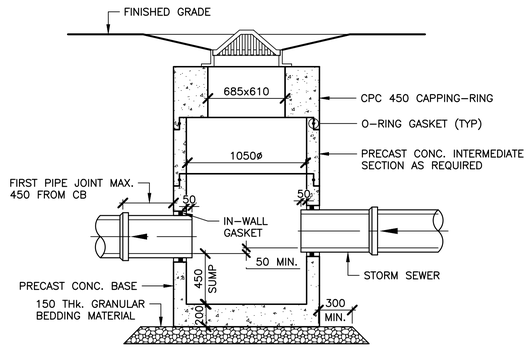
MINIMUM DISTANCE FROM FITTING TO UNDISTURBED GROUND

PIPE ø mm	mm
100	450
150	450
200	450
250	600
300	750

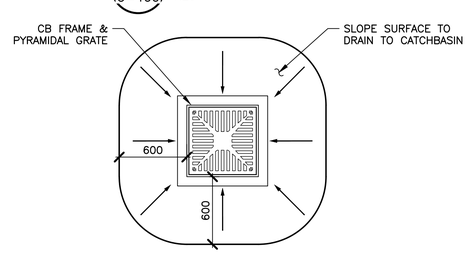
VERTICAL THRUST BLOCKS THRUST COMPENSATED FOR BY MASS OF CONCRETE (m³)

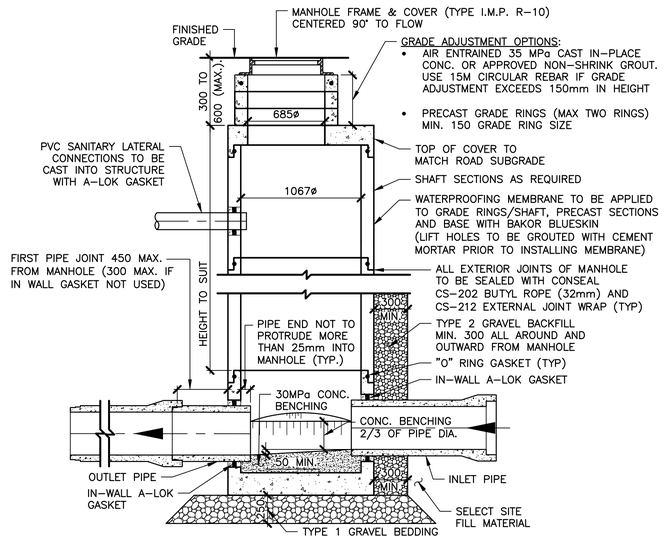
PIPE ø mm	45° BEND	22.5° BEND	11.25° BEND
100	0.40	0.20	0.20
150	0.80	0.40	0.40
200	1.40	0.70	0.70
250	2.10	1.10	1.10
300	3.00	1.50	1.50

6 C-400 **DETAIL—CONCRETE THRUST BLOCKS**
1:1



7 C-400 **DETAIL—CATCHBASIN**
1:25





8 C-400 **DETAIL—1050ø PRECAST MANHOLE**
1:5

No.	Description	Date	By
0	ISSUED FOR CO-28	JUN 12/26	CM

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

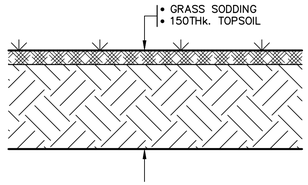
CLEARLAND ROAD SERVICING

SERVICING DETAILS

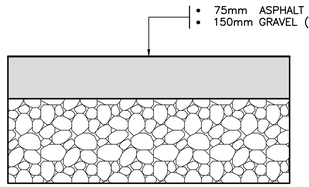
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PROFESSIONAL ENGINEER — PROVINCE OF NOVA SCOTIA — Date 26/06/12 — C.J. Mosher — 20251171

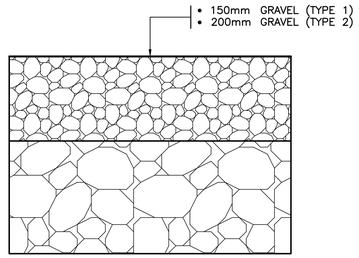
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241016.00	-
Date	Scale
MAR. 2026	AS NOTED
Designed	Drawn
DS/CM	DS/CC
Checked	Approved
CM	JAB
Sheet No	
2 of 4	
Drawing No	
C-401	



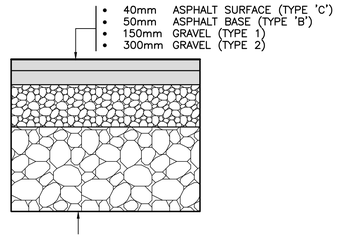
1 C-400 DETAIL–GRASSED AREA REINSTATEMENT
1:5



2 C-400 DETAIL–ASPHALT DRIVEWAY REINSTATEMENT
1:5



3 C-400 DETAIL–GRAVEL DRIVEWAY REINSTATEMENT
1:5



4 C-400 DETAIL–ASPHALT ROAD REINSTATEMENT
1:10

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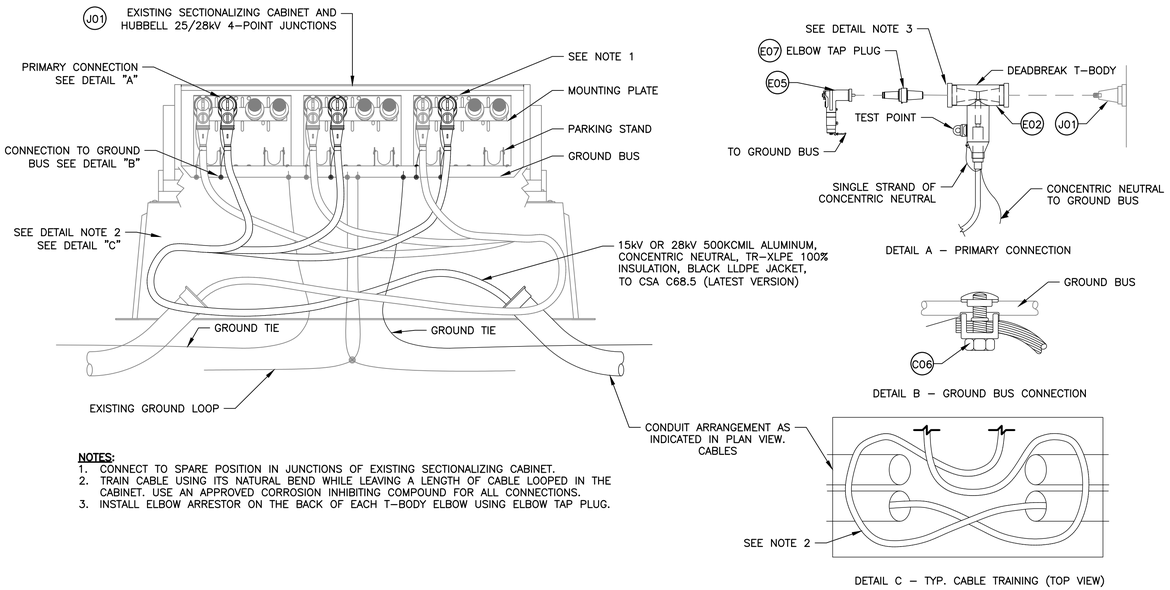
CLEARLAND ROAD SERVICING

SITEWORKS DETAILS

CBCL

REGISTERED PROFESSIONAL ENGINEER
26/06/12
C. J. Mosher
20251171
PROVINCE OF NOVA SCOTIA

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Sheet No 3 of 4	
Drawing No C-402	



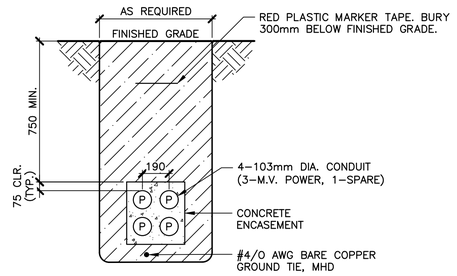
DETAIL A – PRIMARY CONNECTION

DETAIL B – GROUND BUS CONNECTION

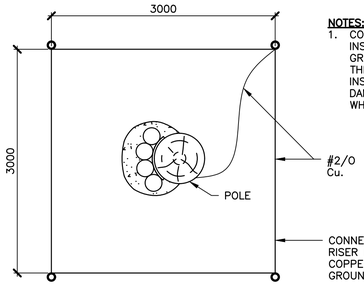
DETAIL C – TYP. CABLE TRAINING (TOP VIEW)

NOTES:
1. CONNECT TO SPARE POSITION IN JUNCTIONS OF EXISTING SECTIONALIZING CABINET.
2. TRAIN CABLE USING ITS NATURAL BEND WHILE LEAVING A LENGTH OF CABLE LOOPED IN THE CABINET. USE AN APPROVED CORROSION INHIBITING COMPOUND FOR ALL CONNECTIONS.
3. INSTALL ELBOW ARRESTOR ON THE BACK OF EACH T-BODY ELBOW USING ELBOW TAP PLUG.

1 C-400 DETAIL—THREE-PHASE ABOVE GROUND SECTIONALIZING CABINET TERMINATIONS
N.T.S.



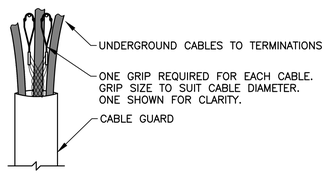
2 C-400 SECTION—PRIMARY POWER DUCTBANK
N.T.S.



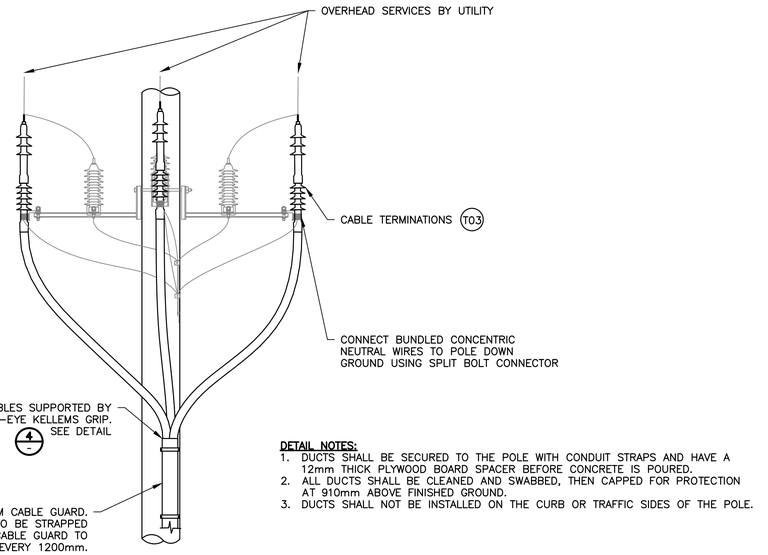
NOTES:
1. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF RISER POLE BASES. GROUNDING TO BE INSTALLED BY THE UTILITY WHEN POLES ARE INSTALLED. TAKE CARE TO NOT DAMAGE GROUNDING INSTALLATION WHEN INSTALLING RISER BASES.

CONNECT DUCTBANK GROUND TIE TO RISER POLE GROUND SYSTEM USING COPPER COMPRESSION CONNECTOR. GROUND LOOP TO BE CONTINUOUS.

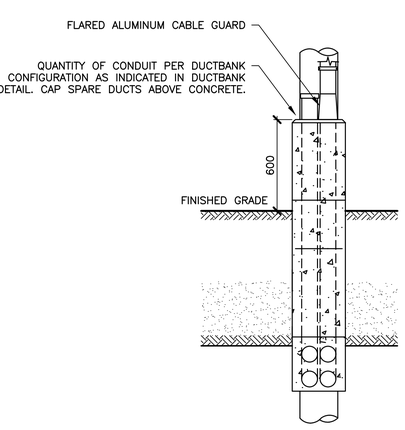
3 C-400 DETAIL—PRIMARY RISER POLE GROUNDING
N.T.S.

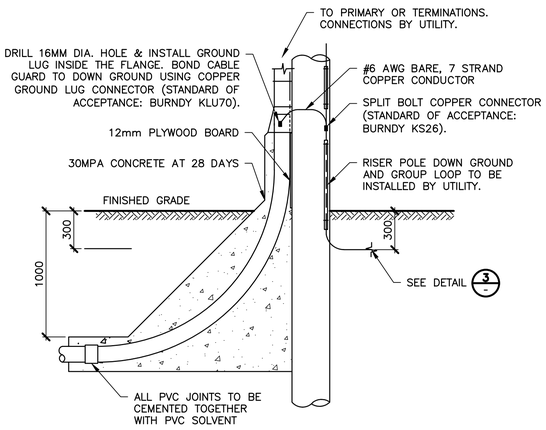


4 C-400 DETAIL—KELLEMS GRIP CABLE WRAP
N.T.S.



DETAIL NOTES:
1. DUCTS SHALL BE SECURED TO THE POLE WITH CONDUIT STRAPS AND HAVE A 12mm THICK PLYWOOD BOARD SPACER BEFORE CONCRETE IS POURED.
2. ALL DUCTS SHALL BE CLEANED AND SWABBED, THEN CAPPED FOR PROTECTION AT 910mm ABOVE FINISHED GROUND.
3. DUCTS SHALL NOT BE INSTALLED ON THE CURB OR TRAFFIC SIDES OF THE POLE.





5 C-400 DETAIL—RISER POLE BASE FOR TRAFFIC AREAS
N.T.S.

ITEM CODE	PART DESCRIPTION	MANUFACTURER (STD OF ACCEPTANCE)	PART No.	NOTES
T03	TERMINATION, SYNTHETIC, 15kV, HEAT OR COLD SHRINK, AS PER IEEE 48	RAYCHEM/TE	HVT OR CST SERIES	COMPATIBLE WITH 500KCMIL CABLE, OUTDOOR INSTALLATION, COMPLETE WITH MOUNTING BRACKET AND TWO HOLE LUG
E02	ELBOW, T-BODY, 15/25kV, 600A, DEAD-BREAK, WITH TEST POINT, PER IEEE 386, WITH INSULATING PLUG, CAP, STUD LUG, AND CABLE ADAPTER	EATON/COOPER	BT625 SERIES	COMPATIBLE WITH 500KCMIL CABLE
E05	ELBOW, SURGE ARRESTOR, 200A, 15kV, MCOV 5.1kV	EATON/COOPER	3238018C06M	ALTERNATIVE: HUBBELL 215ELA
E07	ELBOW, TAP PLUG, LOADBREAK, 15kV	EATON/COOPER	BLRTP615AS	
C06	CONNECTOR, "OKLIP", SPLIT BOLT, FOR COPPER TO COPPER CONNECTION	BURNDY	KVS SERIES	REPLACE WITH CABLE TO FLAT CONNECTOR GZ SERIES IF REQUIRED

No.	Description	Date	By
0	ISSUED FOR CO-28	JUN 12/26	CM

Revision or Issue

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

CLEARLAND ROAD SERVICING

ELECTRICAL SERVICING DETAILS

CBCL

PROFESSIONAL ENGINEER — 26/06/12 — C.J. Mombourquette — 20251171 — PROVINCE OF NOVA SCOTIA

CBCL No	241016.00
Contract No	-
Date	MAR. 2026
Scale	AS NOTED
Designed	MF/CM
Drawn	DS/CC
Checked	CM
Approved	JAB
Sheet No	4 of 4
Drawing No	C-403

PROJECT OVERVIEW:

SCOPE OF WORK:

THIS DRAWING PACKAGE WAS PREPARED ON BEHALF OF THE TOWN OF MAHONE BAY FOR THE DESIGN OF AN UNDERGROUND DISTRIBUTION SYSTEM TO ALIGN WITH THE PROPOSED DEVELOPMENT PLANS.

IT IS UNDERSTOOD THAT THE PURPOSE OF THIS UNDERGROUND SECTION IS TO FEED THE EXISTING AND PROPOSED KEDY'S LANDING DEVELOPMENT WITH MINIMAL PROVISION FOR FUTURE GROWTH. IT THEREFORE IS NOT INTENDED TO HAVE FULL FEEDER CAPACITY. CONSIDERATION HAS BEEN GIVEN TO A FUTURE EXPANSION/CONNECTION ALONG CLEARLAND ROAD.

THERE IS AN EXISTING NOVA SCOTIA POWER OVERHEAD LINE ALONG EDGEWATER STREET. CUSTOMER SERVICES ALONG THIS SECTION USE NS POWER POLES TO FACILITATE THE CONNECTION TO THE MAHONE BAY SYSTEM. THESE CUSTOMERS WILL BE SWITCHED TO THE UNDERGROUND SYSTEM.

THE AREA OF INTEREST IS TO BE FED FROM CIRCUIT 76W–212. THIS CIRCUIT IS TO BE RECONDUCTORED BACK TO THE SUBSTATION TO PROVIDE SUFFICIENT CAPACITY. THE OVERHEAD DESIGN WORK IS NOT IN CBCL'S SCOPE.

SOME INFORMATION HAS BEEN GATHERED FROM THE REPORT "PRELIMINARY ASSESSMENT FOR PROVISION OF A 4160V DISTRIBUTION CIRCUIT TO SERVE KEDY'S LANDING" COMPLETED BY STRUM ENGINEERING, REVISION NO. 1 DATED APRIL 3, 2024.

FURTHER DETAILS AND DESIGN ASSUMPTIONS CAN BE FOUND IN THE OVERALL PROJECT DESIGN REPORT.

THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND FORMAL SPECIFICATIONS ARE TO SUPERSEDE THE CONTENTS OF THIS SHEET. WHERE DISCREPANCIES EXIST, THE FORMAL SPECIFICATIONS ARE TO TAKE PRECEDENCE.

UTILITY:

THE POWER UTILITY HAVING JURISDICTION OF THE PROJECT AREA IS THE TOWN OF MAHONE BAY AND RIVERPORT LIGHT COMMISSION. ALL POWER SYSTEM DESIGN AND INSTALLATION WILL REQUIRE REVIEW, INSPECTION, AND APPROVAL FROM THE COMMISSION AUTHORITY, TO BE COORDINATED BY THE CONTRACTOR. CONTRACTOR TO COORDINATE WITH THE COMMISSION FOR ALL SERVICE CONNECTION REQUIREMENTS AND OUTAGES.

SITE SURVEY AND UNDERGROUND MAPPING:

SURVEY DATA WAS COLLECTED ON SEVERAL OCCASIONS BY CBCL. LOCATES WERE INITIATED FOR THE AREA ALONG EDGEWATER STREET. INFORMATION RECEIVED IS INCLUDED HEREIN, HOWEVER THE CONTRACTOR IS RESPONSIBLE TO LOCATE AND CONFIRM ALL EXISTING BURIED SERVICES AND TO IDENTIFY AND REPORT ALL CONFLICTS.

IMAGERY:

ORTHOGRAPHIC IMAGE IS TAKEN FROM CONNECTEXPLORER™ HIGH RESOLUTION AERIAL IMAGERY SYSTEM.

TELECOMMUNICATIONS:

THERE IS AN EXISTING TELECOMMUNICATIONS UNDERGROUND INSTALLATION IN THE AREA, INDICATED ON THE PLAN VIEW. NO TELECOMMUNICATIONS WILL BE INSTALLED IN THE NEW MAIN UNDERGROUND SYSTEM. TELECOMMUNICATIONS DUCTBANK IS TO BE INSTALLED IN THE PARKING LOT AREA OF THE TRINITY UNITED CHURCH TO ENABLE REMOVAL OF THE AERIAL SPAN THROUGH THE PARKING LOT.

APPLICABLE STANDARDS:

POWER SYSTEMS ARE DESIGNED TO CANADIAN DISTRIBUTION STANDARDS (OVERHEAD & UNDERGROUND) EXCEPT WHERE INDICATED OTHERWISE. NS POWER DISTRIBUTION UNDERGROUND STANDARDS ARE USED AS A BASIS FOR THE MEDIUM–VOLTAGE AND CUSTOMER SERVICE REQUIREMENTS.

LIST OF STANDARDS:

1. UNDERGROUND CONSTRUCTION TO MEET:
   - 1.1. CSA C22.1 CANADIAN ELECTRICAL CODE, PART 1
   - 1.2. CSA C22.3 No.7–20 UNDERGROUND SYSTEMS
   - 1.3. IEEE C57.12.00 STANDARD FOR GENERAL REQUIREMENTS FOR LIQUID IMMERSED DISTRIBUTION, POWER, AND REGULATING TRANSFORMERS
   - 1.4. IEEE C57.12.34 IEEE STANDARD REQUIREMENTS FOR PAD–MOUNTED, COMPARTMENTAL–TYPE, SELF–COOLED, THREE–PHASE DISTRIBUTION TRANSFORMERS, 10MVA AND SMALLER, HIGH–VOLTAGE, 34.5kV NOMINAL SYSTEM VOLTAGE AND BELOW, LOW–VOLTAGE, 15kV NOMINAL SYSTEM VOLTAGE AND BELOW
   - 1.5. IEEE C57.12.38 STANDARD FOR PAD–MOUNTED–TYPE, SELF–COOLED, SINGLE–PHASE DISTRIBUTION TRANSFORMERS 250kVA AND SMALLER; HIGH VOLTAGE, 34 500 GRDY/19 920 V AND BELOW, LOW VOLTAGE, 480/240 V
   - 1.6. IEEE C57.12.29 STANDARD FOR PADMOUNTED EQUIPMENT ENCLOSURE INTEGRITY FOR COASTAL ENVIRONMENTS
   - 1.7. IEEE C57.12.90–2015/ COR 1–2017 – IEEE STANDARD TEST CODE FOR LIQUID–IMMERSED DISTRIBUTION, POWER, AND REGULATING TRANSFORMERS
   - 1.8. ICEA S–94–649–2021 CONCENTRIC NEUTRAL CABLES RATED 5–46KV
   - 1.9. CSA C68.5:20 PRIMARY SHIELDED AND CONCENTRIC NEUTRAL CABLE FOR DISTRIBUTION UTILITIES
   - 1.10. CSA C227.3:06 (R2022) LOW–PROFILE, SINGLE–PHASE, PAD–MOUNTED DISTRIBUTION TRANSFORMERS WITH SEPARABLE INSULATED HIGH–VOLTAGE CONNECTORS
   - 1.11. CSA C227.4:21 THREE–PHASE, PAD–MOUNTED DISTRIBUTION TRANSFORMERS WITH SEPARABLE INSULATED HIGH–VOLTAGE CONNECTORS
2. GENERAL STANDARDS:
   - 2.1. C22.2 No. 41–13 (R2017) GROUNDING AND BONDING EQUIPMENT
   - 2.2. CAN/CSA–C22.2 No. 198.2–15 SEALED WIRE CONNECTOR SYSTEMS
3. ALL CONCRETE WORK TO CONFORM TO CSA A23.1–14/A23.2–14 AND TO CSA A23.3–19. REINFORCING STEEL, BILLET STEEL, GRADE 400, DEFORM BARS TO CSA G30.18:21.
4. LINE CONSTRUCTION TO MEET THE FOLLOWING: CSA C22.1 CANADIAN ELECTRICAL CODE, PART 1
   - 4.1. CSA C22.3 No.1–20 OVERHEAD SYSTEMS
   - 4.2. CSA C22.3 No.60826–19 DESIGN CRITERIA OF OVERHEAD TRANSMISSION LINES
   - 4.3. CSA C83–2017 COMMUNICATION AND POWER LINE HARDWARE
   - 4.4. CSA G12–14 ZINC–COATED STEEL WIRE STRAND
   - 4.5. CSA O15–15 WOOD UTILITY POLES AND REINFORCING STUBS
   - 4.6. CSA O116–69 (2008) POWER AND COMMUNICATION SAWN WOOD CROSSARMS
5. ROADWAY LIGHTING
   - 5.1. RP–8–22 RECOMMENDED PRACTICE: LIGHTING ROADWAYS AND PARKING FACILITIES

DESIGN CRITERIA:

SYSTEM INFORMATION:

SYSTEM VOLTAGE IS 4.16Y/2.4kV NOMINAL WITH 15kV CLASS EQUIPMENT BEING INSTALLED UNDER THIS PROJECT.

THE MAXIMUM LOAD CASE EXPECTED ON THIS SYSTEM IS 1500 kVA, PER THE STRUM REPORT. THIS EQUATES TO 208A ON A 4.16kV SYSTEM

MAJOR ELECTRICAL EQUIPMENT WILL REQUIRE REVIEW BY THE TOWN OF MAHONE BAY, AND SHALL MEET THEIR SPECIFICATIONS.

STANDARD CABLES FOR UNDERGROUND PRIMARY CONSTRUCTION IS ASSUMED TO BE LINEAR LOW DENSITY POLYETHYLENE (LLDPE) JACKET, CONCENTRIC NEUTRAL, ALUMINUM CONDUCTOR.

ASSUMED POWER CABLE PHYSICAL INFORMATION FOR THE MEDIUM VOLTAGE DUCTBANK IS:

500 KCMIL, ALUMINUM CONDUCTOR, 28kV, 1/3 COPPER NEUTRAL (UD TYPE).

OVERALL CABLE DIAMETER:	43.69mm
MAX. PULLING TENSIONS:	17800N (SINGLE CONDUCTOR) 4448N (GUIDELINE, GRIP)
LINEAR MASS:	2300 kg/km
MIN. BENDING RADIUS:	356/533mm

1/0 AWG, ALUMINUM CONDUCTOR, 28kV, FULL COPPER NEUTRAL (URD TYPE).

OVERALL CABLE DIAMETER:	31.50mm
MAX. PULLING TENSIONS:	3736N (SINGLE CONDUCTOR)
LINEAR MASS:	950 kg/km
MIN. BENDING RADIUS:	381/254mm

ORIGINAL CABLE SPECIFICATIONS HAVE BEEN UPDATED TO REFLECT THE CABLES SELECTED BY CONTRACTOR DUE TO PROCUREMENT CHALLENGES.

ONE (1) CABLE PER DUCT ARRANGEMENT (NOT TREFOIL/TRIPLEX) IN MAIN PRIMARY TRENCH USING 500 KCMIL CABLE. 500 KCMIL CABLES SHALL NOT BE INSTALLED THREE (3) PER DUCT IN 103mm CONDUIT.

SMALLER CABLE MAY BE USED IN BRANCH LINES AND PRIMARY SERVICE LATERAL DUCTBANK WHERE HIGHER AMPACITY IS NOT REQUIRED IN THREE (3) CABLES PER DUCT ARRANGEMENT, WHERE ONLY TWO (2) POWER CONDUITS EXIST. CABLE SIZE MUST MEET CLEARANCE AND JAM RATIO REQUIREMENTS.

FUSE PROTECTION SIZE & TYPE TO BE CONFIRMED FOR ALL EQUIPMENT AND UNDERGROUND CABLES PRIOR TO ORDERING.

WHERE CIRCUITS MAY LOOP BACK ON THEMSELVES, PROPER PHASING CHECKS ARE REQUIRED BEFORE MAKING ANY CONNECTIONS, AS PART OF AN APPROVED SWITCHING PROCEDURE.

PROPOSED KEDY'S LANDING DEVELOPMENT:

IT IS ASSUMED THAT THIS DEVELOPMENT REQUIRES PRIMARY POWER, i.e. THE DEVELOPER WILL BE RESPONSIBLE FOR THEIR OWN PADMOUNTED TRANSFORMER INSTALLATION SEPARATE FROM THOSE REQUIRED FOR THE KEDY'S LANDING COMMERCIAL BUILDINGS AND HOMES IN THE AREA. DUCTS WILL BE STUBBED AND CAPPED FROM THE NEAREST MEDIUM–VOLTAGE JUNCTION POINT TO ALLOW EXTENSION TO THE DEVELOPMENT.

CUSTOMER SERVICES:

SERVICES FOR CUSTOMERS ARE TO RETURN TO OVERHEAD WHERE PRACTICABLE. WHERE UNDERGROUND SERVICES ARE INDICATED, HOMEOWNER APPROVAL WILL BE GAINED BY THE TOWN OF MAHONE BAY. CONTRACTOR TO INCLUDE ALL LABOUR AND MATERIALS REQUIRED TO MAINTAIN FULLY FUNCTIONAL SERVICE TO CUSTOMERS.

PARK AREA DISTRIBUTION:

THE PARK AREA NEAR THE CHURCHES HAS BEEN IDENTIFIED AS EVENT SPACE. IT IS UNDERSTOOD THAT THE TOWN OF MAHONE BAY WOULD LIKE TO SUPPORT THE FOLLOWING LOADS: STREET LIGHTING, EV CHARGERS, VARIOUS RECEPTACLES FOR TEMPORARY SERVICE (FOOD TRUCKS, CHRISTMAS LIGHTING, MUSICAL EQUIPMENT). EV CHARGER SUPPLY AND INSTALLATION IS NOT INCLUDED IN THIS SCOPE.

PUMPING STATIONS:

TWO PUMPING STATIONS ARE INCLUDED IN THIS PROJECT AND WILL BE CONNECTED TO THE MAHONE BAY DISTRIBUTION SYSTEM FOR POWER.

FUTURE CONSIDERATIONS:

ONE SPARE CONDUIT WILL BE PROVIDED FOR EACH PRIMARY CIRCUIT/CABLE RUN. THESE SPARES WILL BE USED IN THE EVENT OF A CABLE FAILURE TO REDUCE OUTAGE DURATIONS IN THE EVENT THAT THE FAILED CABLE CANNOT BE EXTRACTED FROM THE CONDUIT. A SECOND SET OF FOUR (4) CONDUITS IS INCLUDED BETWEEN THE PRIMARY RISER POLE LOCATION AND CLEARLAND ROAD TO ALLOW FOR ADDITIONAL CAPACITY IN THE FUTURE.

CIVIL CONSIDERATIONS:

THE DUCTBANK WILL BE LOCATED IN A SHARED TRENCH WITH MUNICIPAL SERVICES. A MINIMUM HORIZONTAL SEPARATION OF 1.0m IS REQUIRED FROM OTHER PIPES (WATER AND SANITARY). REFER TO TYPICAL TRENCH CROSS SECTION DETAIL IN CIVIL DRAWINGS FOR REQUIRED ARRANGEMENT. 300mm MINIMUM IS REQUIRED FROM COMMUNICATIONS PLANT.

THE PRIMARY DUCTBANK SHALL HAVE MINIMUM BURIAL DEPTH UNDER THE ROADWAY OR DITCH FINAL GRADE AS INDICATED IN DETAILS. CONCRETE ENCASEMENT IS REQUIRED FOR THE PRIMARY DUCTBANK. SECONDARY CONDUITS WHEN RUNNING WITHIN THE ROAD RIGHT–OF–WAY WILL ALSO BE ENCASED IN CONCRETE. WHERE CONDUITS ARE AT RISK OF DIG–IN OR DAMAGE FROM VEHICULAR LOADING, THEY SHALL ALSO BE CONCRETE ENCASED. WHERE SECONDARY CONDUIT LATERALS FEED INDIVIDUAL RESIDENCES, THE CONCRETE MAY BE OMITTED AS INDICATED IN THE DUCTBANK DETAILS.

WHERE IT IS NECESSARY FOR ONE UNDERGROUND SYSTEM TO CROSS OVER OR UNDER ANOTHER UNDERGROUND SYSTEM, THE CROSSING SHALL BE MADE AT RIGHT ANGLES OR AS NEAR TO RIGHT ANGLES AS PRACTICABLE, UNLESS OTHERWISE INDICATED. VERTICAL CLEARANCE OF 300mm MINIMUM IS REQUIRED.

ALL CLEARANCES AND SEPARATIONS PER CSA C22.3 NO. 7 SHALL BE ADHERED TO. WHERE THESE VALUES ARE NOT PRACTICABLE, BRING TO ATTENTION OF CONSULTANT.

AVOID UNDERMINING ANY EXISTING INFRASTRUCTURE. WHERE SUCH CASES CANNOT BE AVOIDED, PROVIDE ADEQUATE TEMPORARY SUPPORTS.

TRANSFORMERS:

TRANSFORMER LOCATIONS SHALL BE AS INDICATED ON PLAN VIEWS, OR AS CLOSE AS PRACTICABLE.

WHERE PADMOUNTED TRANSFORMERS ARE LOCATED IN THE AREA OF VEHICULAR TRAFFIC, MECHANICAL PROTECTION SHALL BE INSTALLED ON TRAFFIC SIDES AS INDICATED ON THE PLAN VIEWS AND DETAILS.

ALL PADMOUNTED TRANSFORMERS SHALL HAVE STANDARD DANGER SIGNS INSTALLED ON BOTH THE OUTSIDE AND THE INSIDE OF THE UNIT.

ACCESS TO THE DOOR/HOOD OF THE PADMOUNTS CABLE ENTRANCE COMPARTMENT SHALL BE MAINTAINED CLEAR OF ALL OBSTRUCTIONS (i.e. BUSHES, TREES, ETC.). A CLEAR RADIUS OF NOT LESS THAN 1.0m FROM ANY PART OF THE PADMOUNT ENCLOSURE SHALL BE MAINTAINED. A MINIMUM OF 3.0m CLEAR WORKING SPACE IS REQUIRED ON ALL ACCESS SIDES OF THE EQUIPMENT.

SECTIONALIZING CABINETS:

SECTIONALIZING CABINETS ARE UTILIZED FOR PRIMARY (MEDIUM–VOLTAGE) JUNCTIONS. DEAD–BREAK ELBOWS ARE REQUIRED WHERE EXPECTED CIRCUIT AMPACITY EXCEEDS 200A. A CLEAR RADIUS OF NOT LESS THAN 1.0m FROM ANY PART OF THE CABINET SHALL BE MAINTAINED. A MINIMUM OF 3.0m CLEAR WORKING SPACE IS REQUIRED ON ALL ACCESS SIDES OF THE EQUIPMENT.

PULL PITS:

PULL PITS ARE INDICATED ON THE PLAN VIEWS IN LOCATIONS TO REDUCE PULL LENGTHS AND BENDS OF PRIMARY CABLE RUNS. ADDITIONAL CABLE LENGTH TO BE LOOPED IN BOX TO PROVIDE SLACK.

RISER POLES:

TRANSITION BETWEEN THE EXISTING TOWN OF MAHONE BAY OVERHEAD LINE AND THE NEW UNDERGROUND SYSTEM WILL BE ACHIEVED WITH A PRIMARY RISER POLE THAT WILL BE INSTALLED BY THE MAHONE BAY POWER UTILITY. AN APPROXIMATE LOCATION HAS BEEN INDICATED ON THE PLAN VIEW, HOWEVER THIS MAY CHANGE PENDING FINAL APPROVAL FROM THE UTILITY. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF RISER POLE BASES. OVERHEAD WORK TO BE COMPLETED BY THE UTILITY.

GROUNDING/BONDING:

THE OBJECTIVE OF THE GROUNDING AND BONDING SYSTEM SHALL BE TO MINIMIZE THE LIKELIHOOD AND SEVERITY OF ELECTRIC SHOCK. IT SHALL ESTABLISH AN EQUIPOTENTIAL ZONE TO MINIMIZE PROPERTY DAMAGE AND THREAT TO PUBLIC SAFETY. "GROUNDING" SHALL BE THE CONNECTION OF SYSTEM NEUTRAL AND/ OR LIGHTNING PROTECTION SYSTEMS TO GROUND (ALSO CALLED "EARTHING") "BONDING" SHALL BE THE INTERCONNECTION OF GROUNDED CONDUCTIVE SURFACES.

GROUNDING/BONDING SHALL BE IN ACCORDANCE WITH DRAWINGS HEREIN, AND THE CANADIAN ELECTRICAL CODE AS REQUIRED.

GROUNDING OF THE DISTRIBUTION SYSTEM SHOULD ENSURE THAT THE SYSTEM NEUTRAL–TO–EARTH POTENTIAL SHALL NOT EXCEED 10 VOLTS.

STREETLIGHTING:

LAYOUT:

THE EXISTING LIGHT STANDARD LOCATIONS HAVE BEEN REUSED AS NO SIGNIFICANT SHORTCOMINGS WERE IDENTIFIED IN THE LAYOUT. TWO LIGHT STANDARD LOCATIONS WEST OF THE PUBLIC WASHROOM WERE IDENTIFIED ON SITE FOR REMOVAL, DUE TO CONFLICTS WITH VEHICULAR TRAFFIC IN THE PARKING AREA. A UTILITY POLE MOUNTED LIGHT WILL BE ADDED IN THIS AREA TO COMPENSATE FOR THE RESULTING GAP (BY OTHERS).

LIGHTING IS NOT DESIRED ALONG THE LENGTH OF THE MULTI–USE TRAIL. THE ROUNDABOUT IS OUTSIDE OF THE AREA UNDER CONSIDERATION AND HAS NOT BEEN ANALYZED.

ROADWAY CLASSIFICATIONS:

THE FOLLOWING CLASSIFICATIONS HAVE BEEN ASSUMED:
EDGEWATER – ARTERIAL/MAJOR
PARISH – LOCAL
EDGEWATER BRANCH – LOCAL

PEDESTRIAN ACTIVITY LEVEL:

IN THE ABSENCE OF DATA FOR PEDESTRIAN COUNT, A MEDIUM LEVEL HAS BEEN ASSUMED.

No.	Description	Date	By
5	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
4	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
3	REISSUED FOR SI-05	MAY 08/25	JAB
2	ISSUED FOR CONSTRUCTION REV.01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

ELECTRICAL

DESIGN CRITERIA

CBCL

REGISTERED PROFESSIONAL ENGINEER
Date: May 14, 2025
L. V. O'Keefe
7683
PROVINCE OF NOVA SCOTIA

CBCL No: 241016.00	Contract No:
Date: MAY 2024	Scale: AS NOTED
Designed: MEF	Drawn: BJL
Checked: LO'K	Approved: JAB
Sheet No: 1 of 14	
Drawing No: E01	

PLAN
1:1000

0 20 40 60 80 100m
1:1000

NORTH

MAHONE BAY

BAYVIEW CEMETARY

NS POWER 3PH 12.5kV LINES

RESIDENCES TO BE SWITCHED TO TOWN OF MAHONE BAY SYSTEM

SEE NOTE 7 (TYP.)

C#191

C#205

C#217

SECONDARY QTY: 1 SIZE: 103mm

URD BOX FOR CUSTOMER SECONDARY SERVICE

SECONDARY QTY: 2 SIZE: 103mm

PROPOSED DEVELOPEMENT AREA

CAP DUCTBANK 3m FROM CABINET, REFER TO SHEET E30 DETAIL 12.

PROPOSED SECTIONALIZING CABINET LOCATION AT CLEARLAND RD INTERSECTION

COMMS ONLY OVERHEAD LINE

CLEARLAND ROAD

URD02

URD03

T02

T03

T04

S02

S03

S04

SECONDARY QTY: 2 SIZE: 103mm

CAP DUCTBANK AT PROPERTY LINE. REFER TO SHEET E30 DETAIL 12.

EXISTING OVERHEAD SERVICE STRUCTURE

C#237

R3

R4

REBECCA'S

C#255

C#261

SECONDARY QTY: 4 SIZE: 103mm

SEE NOTE 10

TRIPLEX COMMS ONLY

NS POWER AND COMMS

VISITOR INFORMATION CENTER FED VIA TOWN OF MAHONE BAY OVERHEAD LINE

SINGLE-PHASE PADMOUNT TRANSFORMER

PUMPING STATION REFER TO SHEETS E50 – E51.

THREE-PHASE PADMOUNT TRANSFORMER

SECONDARY QTY: 6 SIZE: 103mm

SINGLE-PHASE PADMOUNT TRANSFORMER

UNDERGROUND TELECOMMUNICATION DUCTS

RESIDENCES FED VIA TOWN OF MAHONE BAY OVERHEAD SYSTEM

C#141

C#133

C#121

P01

APPROXIMATE LOCATION FOR PULL PIT

EDGEWATER BRANCH

EDGEWATER STREET

PRIMARY RISER (R2) AND COMMUNICATIONS RISER IN THIS AREA. POLE PLACEMENT AND OVERHEAD WORK BY UTILITY.

PRIMARY AND COMMUNICATIONS RISER (R5) IN THIS AREA. PUMPING STATION TO BE FED 3PH PADMOUNT TRANSFORMER (SUPPLIED BY UTILITY). POLE PLACEMENT AND OVERHEAD WORK BY UTILITY.

UNITED CHURCH

X-MR POLE FEEDS OVERHEAD SECONDARY TO RESIDENCES AND POLE MOUNTED STREETLIGHT. OVERHEAD TO BE RECONFIGURED IN THIS AREA BY UTILITY.

QTY: 1 SIZE: 53mm

SIZE: 129mm

L01 L02 L03 L04 L05 L06 L07 L08 L09 L10 L11 L12 L13 L14 L15 L16 L17 L18 L19 L20

PARISH STREET

NEW TEMPORARY SECONDARY FROM L07 TO POWER PEDESTAL 8.

DECORATIVE STREET LIGHT STANDARDS TO BE REPLACED (TYP.) SEE NOTE 6

SECONDARY QTY: 2 SIZE: 27mm

NEW POWER PEDESTAL (TYP., SEE NOTE 9)

NEW LIGHT ON UTILITY POLE (BY UTILITY)

QTY: 1 SIZE: 53mm

INSTALL BOLLARDS NO MORE THAN 1250mm APART.

PROPOSED EV CHARGING STATION PEDESTALS (FLO LEVEL 2). CHARGERS NOT INCLUDED IN THIS SCOPE.

SINGLE-PHASE PADMOUNT TRANSFORMER

URD BOX

SERVICE CENTER (SEE NOTE 8)

T01

U0001

HUBBARDS BARS

NOTES:

1. OVERHEAD UTILITY LINE LOCATIONS SHOWN ARE APPROXIMATE ONLY, BASED ON AERIAL IMAGERY.
2. FINAL EQUIPMENT LOCATIONS MAY REQUIRE ADJUSTMENT BASED ON SITE CONDITIONS.
3. REFER TO SHEET E37 FOR STREET LIGHTING DETAILS.
4. REFER TO CIVIL DRAWINGS FOR COORDINATION WITH OTHER UTILITIES.
5. REFER TO C100 SERIES FOR REMOVALS.
6. EXISTING L01 TO L20 TO BE REMOVED, INCLUDING CONCRETE BASE AND ASSOCIATED UNDERGROUND POWER DISTRIBUTION. REPLACE WITH NEW LIGHT STANDARDS WHERE SHOWN.
7. C#191, C#205, AND C#217 TO BE SWITCHED TO UNDERGROUND SERVICE. OUTAGES AND SERVICE CONNECTIONS TO BE COORDINATED WITH THE TOWN OF MAHONE BAY AND UTILITY.
8. SERVICE ENCLOSURE TO BE ENCLOSED IN SMALL STRUCTURE BY OTHERS.
9. POWER PEDESTAL, C/W TWO (2) 5–20R RECEPTACLES, NEMA 3R, WITH LOCKABLE COVERS. STANDARD OF ACCEPTANCE: LEVITON 2PH18–2E OR APPROVED EQUIVALENT.
10. OVERHEAD SERVICE FOR RESIDENCES/BUSINESSES TO BE INSTALLED ON BELL OWNED POLES (COORDINATION REQUIRED). OVERHEAD WORK TO BE COMPLETED BY UTILITY.

LEGEND:

- UTILITY STRUCTURE (EXISTING TO REMAIN)
- UTILITY STRUCTURE (NEW)
- PUMP STATION
- DECORATIVE STREET LIGHT
- SECTIONALIZING CABINET
- URD BOX
- PADMOUNT TRANSFORMER
- PULL PIT
- SECONDARY OVERHEAD LINE (TO BE REMOVED)
- SECONDARY OVERHEAD LINE (NEW)
- PRIMARY OVERHEAD LINE ℄ (EXST.)
- PRIMARY UNDERGROUND POWER ℄ (PRPSD.)
- SECONDARY OVERHEAD LINE ℄ (EXST.)
- SECONDARY UNDERGROUND POWER ℄ (PRPSD.)
- STREET LIGHTING POWER ℄
- TELECOMMUNICATIONS LINE (EXST.)
- HYDRANT (EXST.)
- STORM CATCHBASIN (SQ.) (EXST.)
- MANHOLE
- SANITARY SEWER (EXST.)
- STORM SEWER (EXST.)
- L# – LIGHT STANDARD ID
- URD# – URD BOX ID
- T# – TRANSFORMER ID
- S# – SWITCHING CUBICLE ID
- P# – PULL PIT ID

4 REVISION TO CAPTURE VARIOUS CONSTRUCTION CHANGES, SITE INSTRUCTIONS, AND MATERIAL SUBSTITUTIONS.

No.	Description	Date	By
3	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
2	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
1	ISSUED FOR CONSTRUCTION REV.01	APR 01/25	JAB
0	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
P0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

ELECTRICAL

PLAN VIEW PROPOSED CONDITIONS

CBCL

REGISTERED PROFESSIONAL ENGINEER
Date: Nov. 14/25
L. V. O'Keefe
7683
PROVINCE OF NOVA SCOTIA

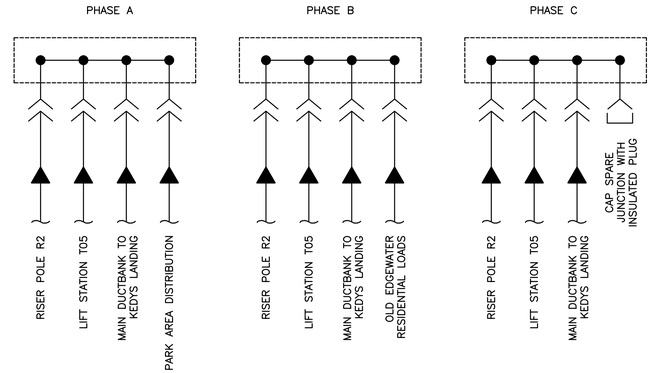
CBCL No 241016.00	Contract No
Date MAY 2024	Scale AS NOTED
Designed MF	Drawn BL
Checked MWC	Approved
Sheet No 2 of 14	
Drawing No **E10**	

CBCL-610x914 TITLE SHEET (ARCH D)

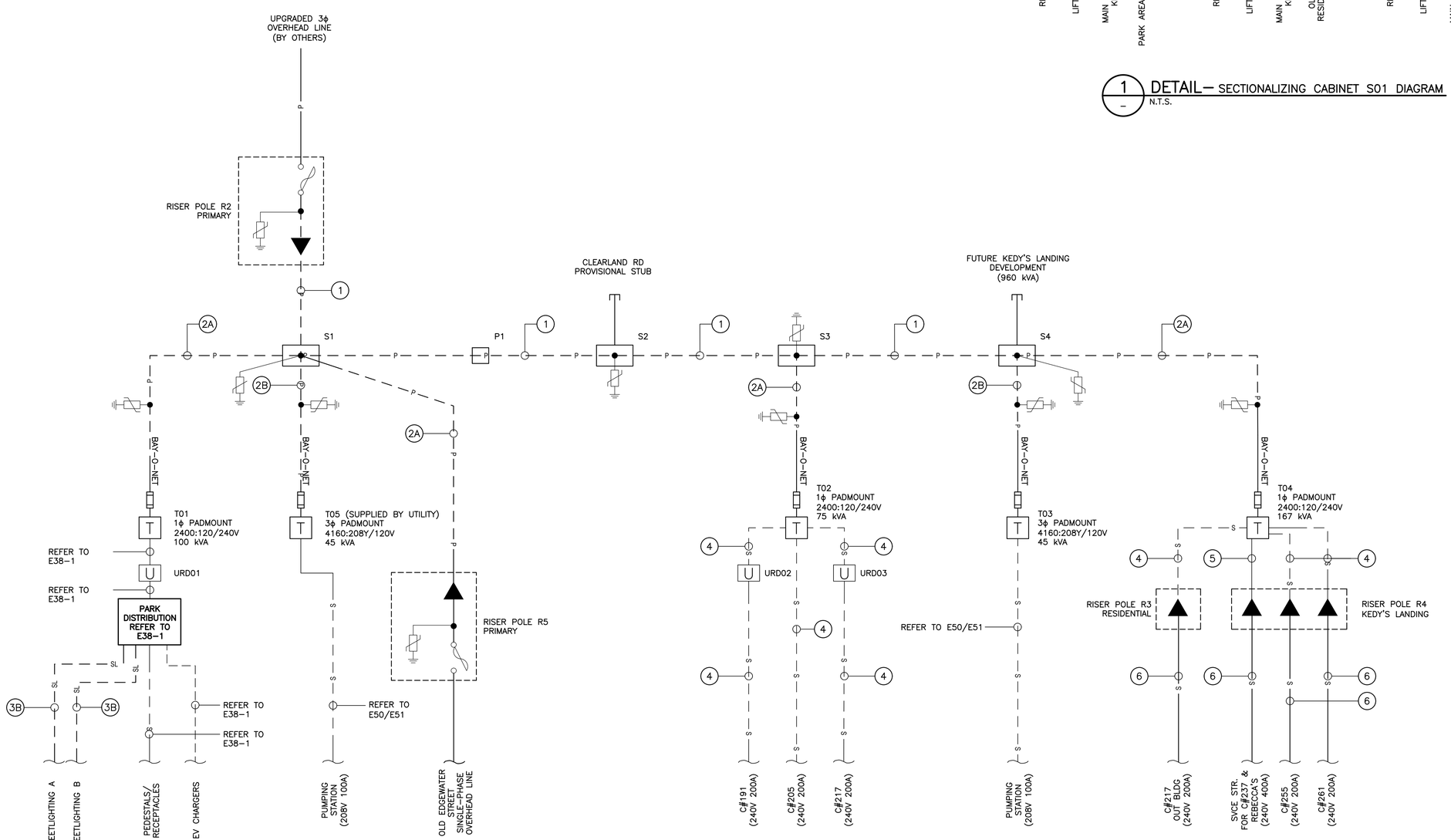
CABLE SCHEDULE

ID	VOLTAGE	CONDUCTORS	MATERIAL	# OF RUNS (PARALLEL)	CONDUIT*	APPLICATIONS
1	15kV	3–500 KCMIL	AL	1	3–103mm	MAIN U/G FEEDERS
2A	15kV	1–1/0 AWG	AL	1	1–129mm	SINGLE–PHASE U/G BRANCH LINES
2B	15kV	3–#1 AWG	AL	1	1–129mm	THREE–PHASE U/G BRANCH LINES
3A	120V	2–#1 AWG 1–#6 AWG BOND	CU	1	1–53mm	U/G LIGHTING CIRCUIT (OBSOLETE)
3B	120V	2–#6 AWG 1–#8 AWG BOND	CU	1	1–53mm	U/G LIGHTING CIRCUITS
4	240V	2–500 KCMIL 1–#3 AWG BOND	CU	1	1–103mm	RESIDENTIAL SERVICE (UNDERGROUND)
5	240V	2–500 KCMIL 1–#3 AWG BOND	CU	2	2–103mm	RESIDENTIAL SERVICE (UNDERGROUND)
6	240V	500 KCMIL TRIPLEX	AL	1	N/A	RESIDENTIAL SERVICE (OVERHEAD)

* SEE NOTE 3



1 DETAIL– SECTIONALIZING CABINET S01 DIAGRAM
N.T.S.



LEGEND:

- O/H PRIMARY
- U/G PRIMARY
- SECONDARY
- STREET LIGHTING
- COMMUNICATIONS
- FUTURE EXPANSION
- O/H TO U/G RISER
- SECTIONALIZING CABINET
- PULL PIT
- MV JUNCTIONS
- TRANSFORMER
- ARRESTOR
- FUSED CUTOUT
- BAY–O–NET FUSE
- CURRENT LIMITING FUSE
- ELBOW CONNECTION
- INSULATED PLUG

NOTES:

1. FINAL LOADS TO BE CONFIRMED.
2. DATA PROVIDED BY THE TOWN OF MAHONE BAY FOR RESIDENTIAL SERVICE SIZES.
3. CONDUIT SIZE AND QUANTITY INDICATED IS MINIMUM REQUIRED FOR POWER CONDUCTORS. SPARES TO BE PROVIDED WHERE INDICATED IN PLAN VIEW AND DUCTBANK SECTIONS.
4. OVERHEAD WORK TO BE COMPLETED BY UTILITY.
5. COMMUNICATIONS NOT SHOWN.

No.	Description	Date	By
5	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
4	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
3	REISSUED FOR SI-05	MAY 08/25	JAB
2	ISSUED FOR CONSTRUCTION REV.01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

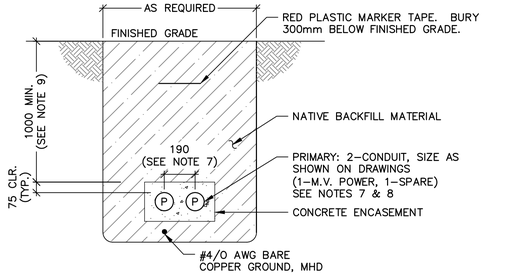
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SCHEMATIC

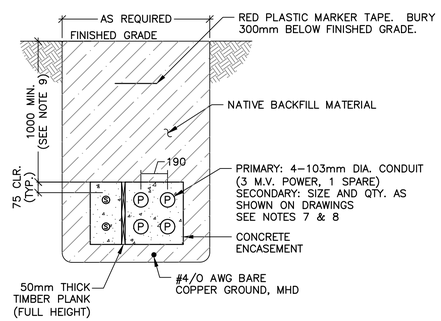
CBCL

REGISTERED PROFESSIONAL ENGINEER
L. V. O'Keefe
7683
PROVINCE OF NOVA SCOTIA

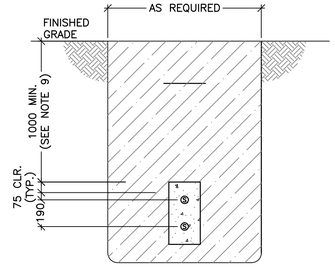
CBCL No	241016.00
Contract No	
Date	MAY 2024
Scale	AS NOTED
Designed	MEF
Drawn	BJL
Checked	LO'K
Approved	JAB
Sheet No	3 of 14
Drawing No	E20



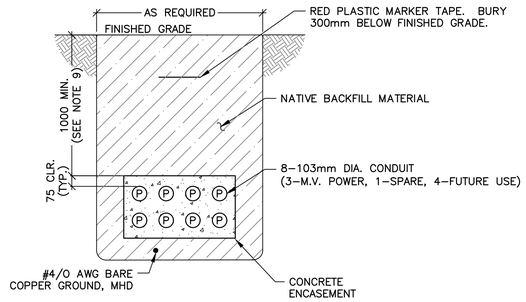
1 SECTION— DB1 PRIMARY POWER DUCTBANK
N.T.S.



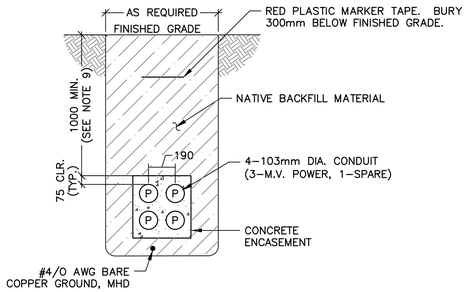
2 SECTION— DB2 SECONDARY AND PRIMARY POWER DUCTBANK
N.T.S.



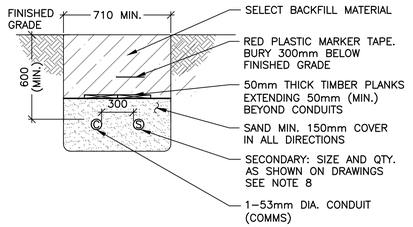
3 SECTION— DB3 SECONDARY POWER DUCTBANK
N.T.S.



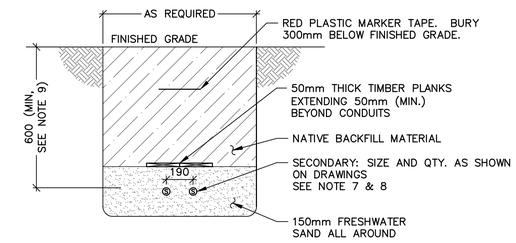
4 SECTION— DB4 PRIMARY POWER DUCTBANK
N.T.S.



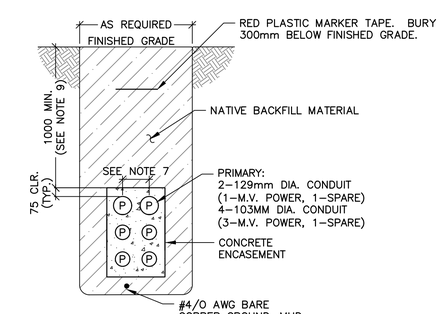
5 SECTION— DB5 PRIMARY POWER DUCTBANK
N.T.S.



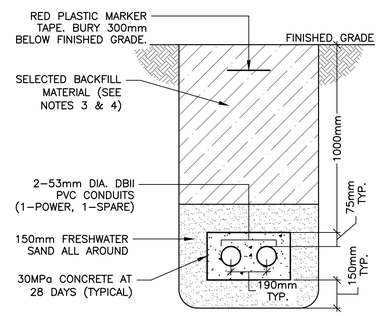
6 SECTION— DB6 DIRECT BURIED RESIDENTIAL DUCTBANK
N.T.S. L.S. PAY ITEM. SEE PAY ITEM 7.1.2, 7.2.2, 7.3.2, 7.4.2



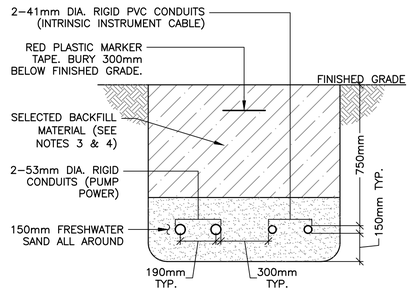
7 SECTION— DB7 DIRECT BURIED SECONDARY DUCTBANK
N.T.S.



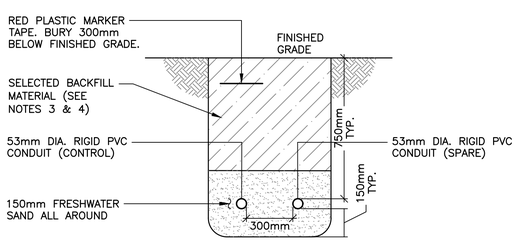
8 SECTION— DB8 PRIMARY POWER DUCTBANK
N.T.S.



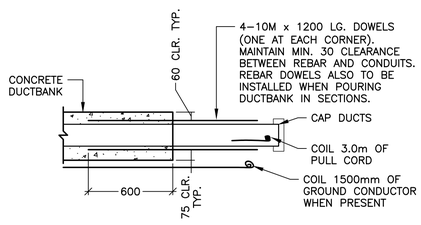
9 SECTION— DB9 CONCRETE ENCASED SECONDARY SERVICE DUCTBANK
N.T.S. FROM POLE TO CONTROL PANEL INCLUDED IN P.S L.S. PAY ITEM (SEE NOTE 2)



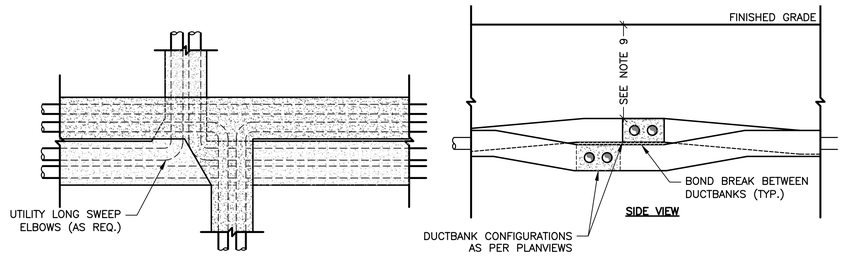
10 SECTION— DB10 ELECTRICAL DUCTBANK TO WET WELL
N.T.S. INCLUDED IN P.S. L.S. PAY ITEM (SEE NOTE 2)



11 SECTION— DB11 VALVE CHAMBER DUCTBANK
N.T.S. INCLUDED IN P.S. L.S. PAY ITEM (SEE NOTE 2)



12 DETAIL— CAPPED DUCTBANK STUB (TYP.)
N.T.S.



13 DETAIL— TYPICAL DUCTBANK CROSSOVER
N.T.S.

NOTES:

1. UNLESS NOTED OTHERWISE, DIMENSIONS ARE IN MILLIMETERS.
2. MAINTAIN MINIMUM 1m LATERAL SEPARATION FROM ALL OTHER PIPING AND MAINTAIN 300mm SEPARATION BETWEEN POWER AND COMMUNICATION/INSTRUMENTATION.
3. BACKFILL TRENCH IN LAYERS NOT EXCEEDING 300m (MECHANICALLY TAMPED).
4. BACKFILL TRENCH WITH SELECTED BACKFILL SOIL IN ACCORDANCE WITH SPECIFICATIONS AND FREE FROM LARGE ROCK AND DEBRIS.
5. REFER TO SPECIFICATIONS FOR MATERIAL REQUIREMENTS.
6. CAP COMMUNICATIONS DUCT 1.0m FROM EDGE OF BUILDING AT LOCATION OF COMMUNICATIONS ATTACHMENT AND AT PROPERTY LINE. BRING POWER CONDUIT TO EXISTING METER ON SIDE OF HOUSE USING 90 DEGREE UTILITY BEND AND EXPANSION JOINT FOR ABOVE GROUND TRANSITION.
7. IF CONDUIT SIZE IS REQUIRED TO BE 129mm OR GREATER THEN SPACING IS TO BE 50mm EDGE-TO-EDGE.
8. WHERE VARIABLE QUANTITY AND/OR SIZE OF CONDUIT IS INDICATED BY DETAIL, REFER TO PLAN VIEW LABELS.
9. BURIAL DEPTH 1000 MIN. REQUIRED UNDER ROADWAY AND DITCHES. BURIAL DEPTH MAY BE REDUCED IF REQUIRED WHEN CROSSING OTHER SERVICES, BRING SUCH CASES TO ATTENTION OF ENGINEER.

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV.01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

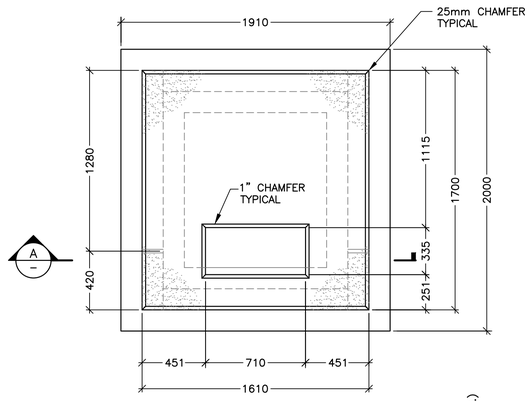
ELECTRICAL

DUCTBANK DETAILS

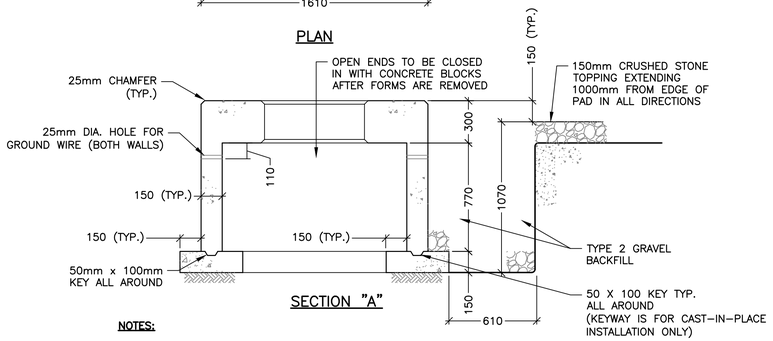
CBCL

REGISTERED PROFESSIONAL ENGINEER — L. V. O'Keefe — 7683 — PROVINCE OF NOVA SCOTIA

CBCL No 241016.00	Contract No
Date JUL 2024	Scale AS NOTED
Designed MEF	Drawn BJL
Checked LO'K	Approved
Sheet No 4 of 14	
Drawing No **E30**	



PLAN

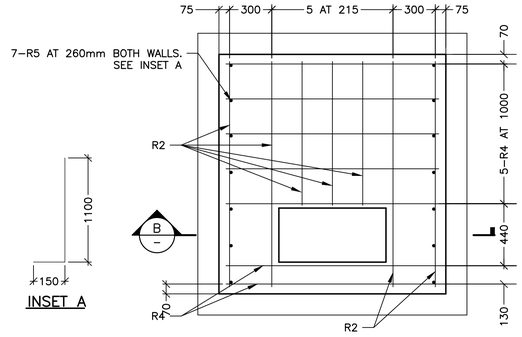


SECTION "A"

NOTES:

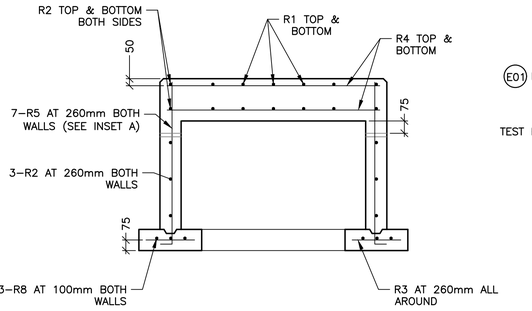
1. CONCRETE – 30 MPa @ 28 DAYS
2. REFER TO DETAIL #2, THIS SHEET, FOR REINFORCING DETAILS.
3. REFER TO DETAIL #1, E34, FOR GROUNDING DETAILS.
4. LEAVE A MINIMUM OF 2000mm OF SECONDARY CABLE ABOVE THE TOP OF THE PAD

1 DETAIL – CONCRETE PAD FOR SINGLE PHASE PADMOUNT TRANSFORMER
1:20



INSET A

PLAN



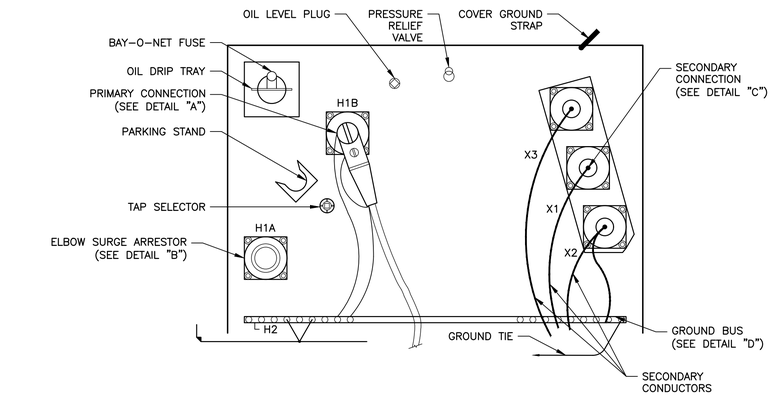
SECTION "B"

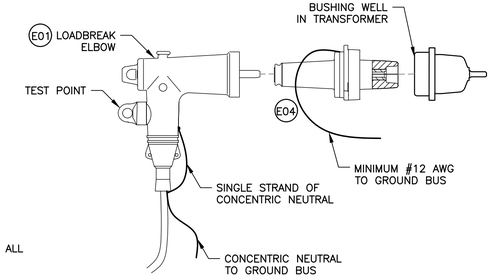
REBAR SCHEDULE			
BAR NAME	SIZE	QTY.	LENGTH
R1	10M	6	1000mm
R2	10M	20	1600mm
R3	10M	28	350mm
R4	10M	14	1525mm
R5	10M	14	1250mm
R6	10M	6	1760mm
R7	10M	6	1850mm

DETAIL NOTES:

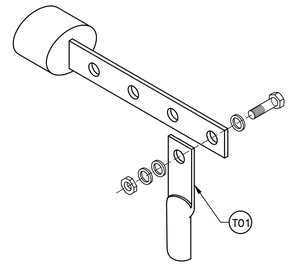
A. REINFORCING 400MPa YIELD.

2 DETAIL – REINFORCING FOR SINGLE PHASE TRANSFORMER CONCRETE PAD
1:20

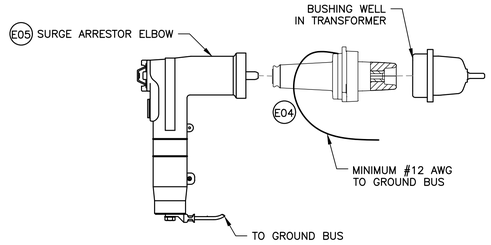




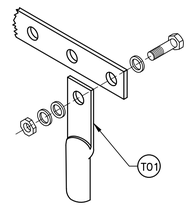
DETAIL "A"
PRIMARY CONNECTION AT TRANSFORMER



DETAIL "C"
SECONDARY CONNECTION AT TRANSFORMER



DETAIL "B"
ELBOW SURGE ARRESTOR AT TRANSFORMER



DETAIL "D"
GROUND BUS

NOTES:

1. SECONDARY TERMINALS TO BE SUPPLIED BY THE CONTRACTOR.
2. USE TERMINALS OF THE SAME MATERIAL AS THE CONDUCTORS (i.e. COPPER FOR COPPER CABLES, ALUMINUM FOR ALUMINUM CABLES).
3. USE AN APPROVED CORROSION INHIBITING COMPOUND FOR ALL CONNECTIONS.
4. LEAVE A LENGTH OF CABLE LOOPED IN THE PAD AIRSPACE.
5. USE H1B FOR MV ELBOW AND CAP OFF H1A USING A BUSHING PLUG INSERT AND ELBOW SURGE ARRESTOR.
6. REFER TO E34 FOR GROUNDING DETAILS.
7. BOLTS, WASHERS, AND NUTS TO BE STAINLESS STEEL.

3 DETAIL – SINGLE PHASE DEAD-FRONT TRANSFORMER TERMINATIONS
N.T.S.

ITEM CODE	PART DESCRIPTION	MANUFACTURER (STD OF ACCEPTANCE)	PART No.	NOTES
E01	ELBOW, 15kV, 200A, LOAD-BREAK, WITH TEST POINT, PER ANSI/IEEE 386, WITH LUG AND CABLE ADAPTER	EATON/COOPER	LE215CC06TCSA	SIZE TO BE COMPATIBLE WITH CABLE SIZE
E03	DEADEND RECEPTACLE (CAP), 15 kV RATING, AS PER ANSI/IEEE 386	EATON/COOPER	DPC625	200A
E04	BUSHING PLUG INSERT 15 kV LOAD BREAK, AS PER ANSI/IEEE 386	ELASTIMOLD	1601A4	200A
E05	ELBOW, SURGE ARRESTOR, 200A, 15kV RATING, MCOV 5.1kV	EATON/COOPER	3238018C06M	
T01	TERMINATION, ONE HOLE (½" DIAMETER), TIN PLATED, COPPER OR ALUMINUM TO MATCH CABLE TYPE			FOR TRANSFORMER GROUND BUS AND SECONDARY CONNECTION

NOTES:

1. UNITS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. DETAILS ARE BASED ON NOVA SCOTIA POWER UG DISTRIBUTION STANDARDS. REFER TO :
   6U-ED-10M TRANSFORMER PAD
   6U-ED-11M PAD REINFORCEMENT
   6U-ED-15M TERMINATION DETAILS
3. CONTRACTOR TO PERFORM DIMENSIONAL VERIFICATION AGAINST PADMOUNTED TRANSFORMER SPECIFICATION.
4. PREFABRICATED TRANSFORMER PAD MAY BE USED INSTEAD OF CAST-IN-PLACE AS DETAILED HEREIN.

LEGEND:

(X##) BILL OF MATERIAL X## (THIS DRAWING)

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
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0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

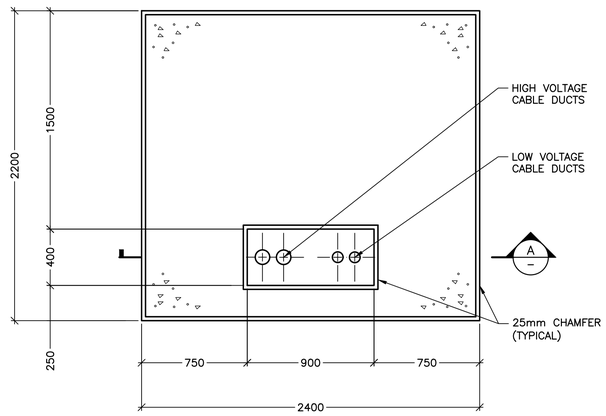
ELECTRICAL

SINGLE PHASE PADMOUNT TRANSFORMER DETAILS

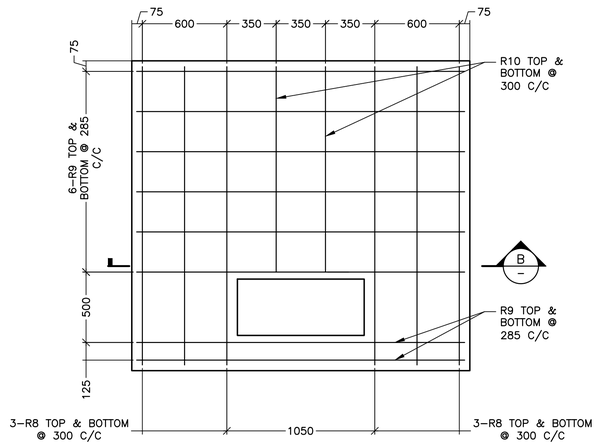
CBCL

REGISTERED PROFESSIONAL ENGINEER
Date: Nov. 14/25
L. V. O'Keefe
7683
PROVINCE OF NOVA SCOTIA

CBCL No	Contract No
241016.00	
Date	Scale
JUL 2024	AS NOTED
Designed	Drawn
MEF	BJL
Checked	Approved
LO'K	
Sheet No	
5 of 14	
Drawing No	
E31	

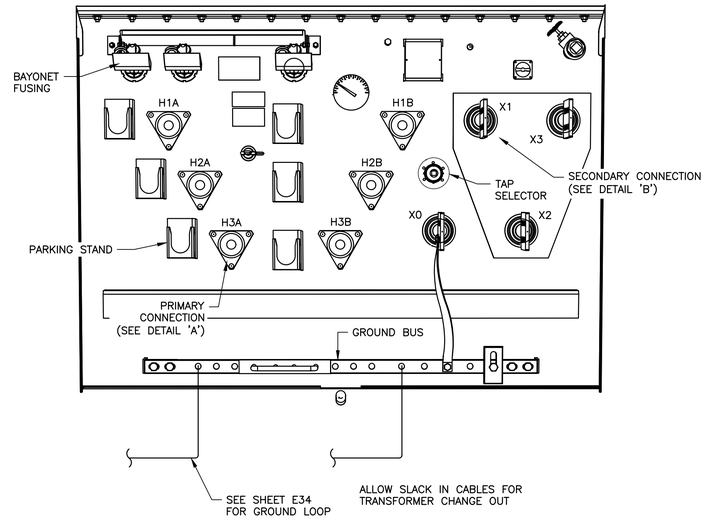


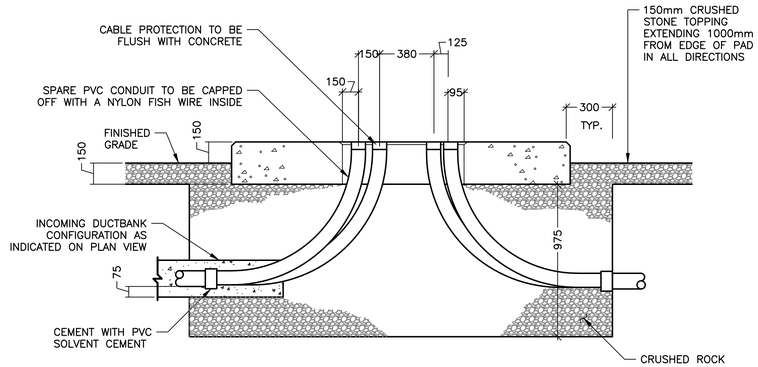
PLAN

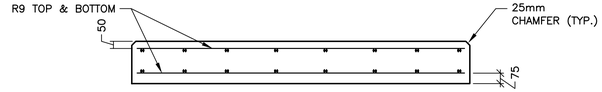


PLAN

DETAIL NOTES:
1. SECONDARY CONNECTORS AND ASSOCIATED HARDWARE TO BE SUPPLIED BY CONTRACTOR.
2. USE TERMINALS OF THE SAME MATERIAL AS THE CONDUCTORS.
3. USE AN APPROVED CORROSION INHIBITING COMPOUND FOR ALL CONNECTORS.
4. LEAVE A LENGTH OF CABLE LOOPED IN THE AIRSPACE UNDER THE PAD.
5. REFER TO SHEET E34 FOR GROUNDING DETAILS.
6. SIZE FUSE(S) AS PER MANUFACTURER RECOMMENDATIONS.







DETAIL NOTES:
1. CONCRETE – 30 MPa @ 28 DAYS
2. LEAVE A MINIMUM OF 2000mm OF SECONDARY CABLE ABOVE THE TOP OF THE PAD
3. REFER TO DETAIL 2 FOR REINFORCING DETAILS.

SECTION "A"

1 DETAIL– CONCRETE PAD FOR 3Ø PADMOUNT TRANSFORMER
1:30

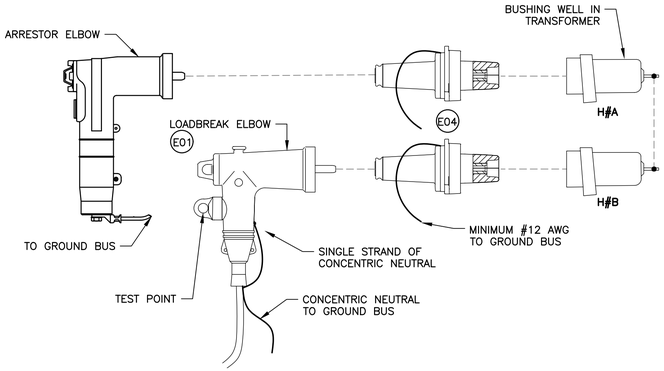
REBAR SCHEDULE			
BAR NAME	SIZE	QTY.	LENGTH
R8	10M	12	2100mm
R9	10M	16	2300mm
R10	10M	4	1450mm

DETAIL NOTES:
A. REINFORCING 400MPa YIELD.

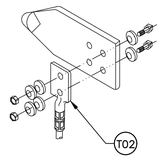
SECTION "B"

2 DETAIL– REINFORCING DETAILS FOR CONCRETE PAD 3Ø PADMOUNT TRANSFORMER
1:30

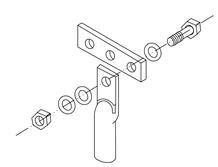
ITEM CODE	PART DESCRIPTION	MANUFACTURER (STD OF ACCEPTANCE)	PART No.	NOTES
E01	ELBOW, 15kV, 200A, LOAD-BREAK, WITH TEST POINT, PER ANSI/IEEE 386, WITH LUG AND CABLE ADAPTER	EATON/COOPER	LE215CC06TCSA	SIZE TO BE COMPATIBLE WITH CABLE SIZE
E05	ELBOW, SURGE ARRESTOR, 200A, 15kV RATING, MCOV 5.1kV	EATON/COOPER	3238018C06M	
T02	TERMINATION, TWO HOLE (½" DIAMETER), TIN PLATED, COPPER OR ALUMINUM TO MATCH CABLE TYPE			FOR TRANSFORMER SECONDARY CONNECTION



DETAIL "A"
PRIMARY CONNECTION AT TRANSFORMER



DETAIL "B"
SECONDARY CONNECTION AT TRANSFORMER



DETAIL "C"
GROUND BUS

3 DETAIL– THREE PHASE DEAD-FRONT TRANSFORMER TERMINATIONS
N.T.S.

NOTES:
1. UNITS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. DETAILS ARE BASED ON NOVA SCOTIA POWER UG DISTRIBUTION STANDARDS. REFER TO :
   - 6U-ED-20M TRANSFORMER PAD
   - 6U-ED-21M PAD REINFORCEMENT
   - 6U-ED-30M TERMINATION DETAILS
3. CONTRACTOR TO PERFORM DIMENSIONAL VERIFICATION AGAINST PADMOUNTED TRANSFORMER SPECIFICATION.
4. PREFABRICATED TRANSFORMER PAD MAY BE USED INSTEAD OF CAST-IN-PLACE AS DETAILED HEREIN.

LEGEND:

(X##) BILL OF MATERIAL X## (THIS DRAWING)

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV.01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

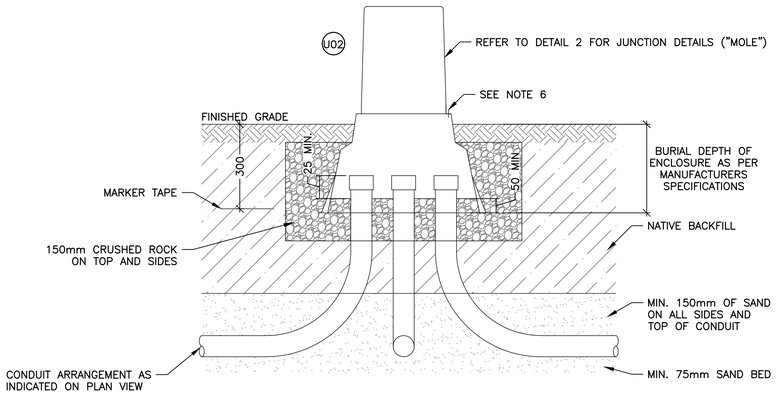
ELECTRICAL

THREE PHASE PADMOUNT TRANSFORMER DETAILS

CBCL

REGISTERED PROFESSIONAL ENGINEER
Date: Nov. 14/25
L. V. O'Keefe
7683
PROVINCE OF NOVA SCOTIA

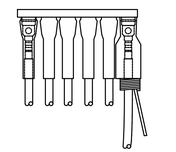
CBCL No 241016.00	Contract No
Date OCT 2024	Scale AS NOTED
Designed MEF	Drawn BJL
Checked LOK	Approved
Sheet No 6 of 14	
Drawing No **E32**	



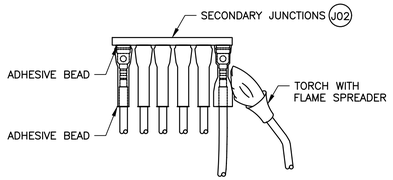
NOTES:

1. BASE OF CRUSHED ROCK MUST BE COMPACTED BEFORE SETTING THE BOX. CRUSHED ROCK TO BE 9.5mm–19mm.
2. CARE TO BE TAKEN WHEN COMPACTING/BACKFILLING URD BASE SO NOT TO DISTORT SHAPE OF BASE.
3. NATIVE BACKFILL MATERIAL SHALL NOT CONTAIN ROCKS OVER 50mm IN DIAMETER FOR THE FIRST 300mm OVER CONDUIT.
4. BACKFILL TO BE COMPACTED EVERY 300mm MINIMUM.
5. ALL SIDES OF URD BASE MUST BE COVERED (CRUSHED ROCK/BACKFILLING).
6. HEX NUT MUST BE INSTALLED.
7. ALL CONDUIT SHALL HAVE A NYLON FISH LINE INSTALLED PRIOR TO CAPPING.

1 DETAIL– ABOVE GROUND URD BOX INSTALLATION (TYPICAL)
N.T.S.



DETAIL A – COLD SHRINK



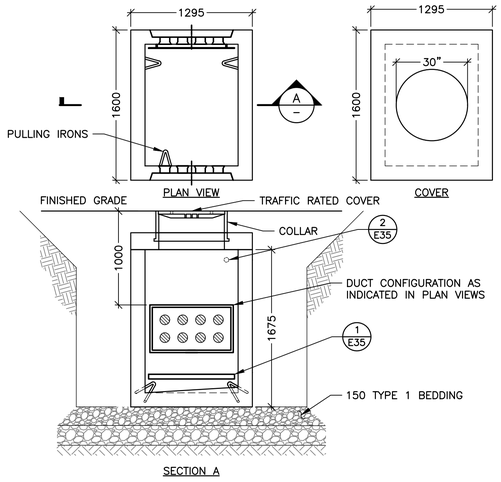
DETAIL B – HEAT SHRINK

DETAIL C

NOTES:

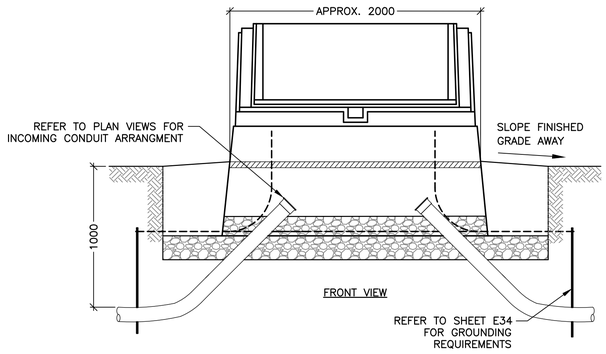
1. WHEN TERMINATING SMALL CABLE SIZES, LESS THAN 250kcmil, THE CABLE AND TERMINAL BARREL SHALL BE BUILT UP TO A MINIMUM 19mm OUTSIDE DIAMETER USING ELECTRICAL INSULATION PUTTY TAPE. SEE DETAIL C.
2. INSTALL SPLICE SLEEVE ONTO THE CABLE AND BOLT CONNECTOR TO THE URD MOLE.
3. COLD/HEAT SHRINK SLEEVE SHALL COVER APPROXIMATELY 25mm OF CABLE JACKET.
4. MOLES ONLY REQUIRED FOR URD01.

2 DETAIL– URD MOLE TERMINATION
N.T.S.



SECTION A

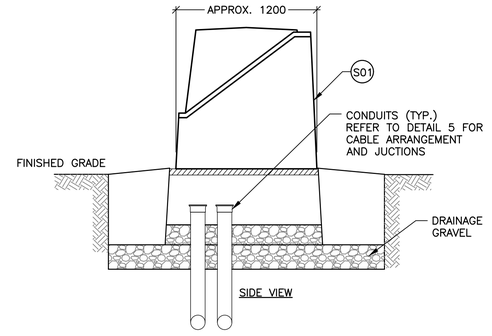
3 DETAIL– PRECAST UTILITY PULL PIT (SEE NOTE 2)
1:30

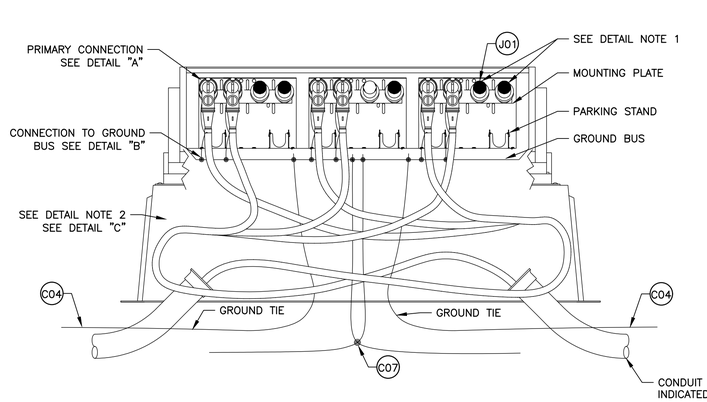


NOTES:

1. CABINET TO BE SETBACK MINIMUM 3.0M FROM EDGE OF ROAD. BOLLARDS TO BE INSTALLED AS SHOWN IN PLAN VIEW ON SIDES WITH VEHICULAR TRAFFIC.
2. INSTALL CABINET PER MANUFACTURERS RECOMMENDATIONS.
3. BACKFILL MATERIAL SHALL NOT CONTAIN ROCKS OVER 50MM IN DIAMETER FOR THE FIRST 300MM OVER CONDUIT. COMPACT EVERY 300MM MINIMUM.
4. PLACE AT LEAST 100MM OF EXCESS FILL AROUND THE CABINET TO COMPENSATE FOR SETTLING.
5. ALL CONDUITS MUST BE CLEANED AND SWABBED, THEN CAPPED FOR PROTECTION. INSTALL NYLON FISH LINE PRIOR TO CAPPING.

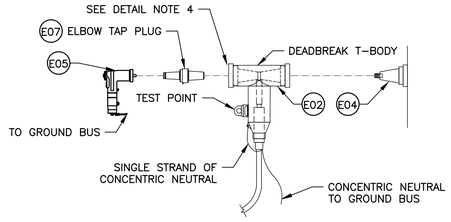
4 DETAIL– MEDIUM VOLTAGE SECTIONALIZING CABINET
N.T.S.



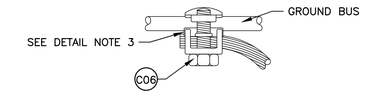


NOTES:

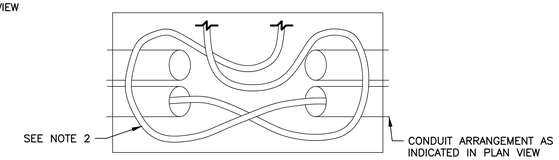
1. CAP OFF SPARE BUSHING USING A BUSHING PLUG INSERT AND DEADEND RECEPTACLE.
2. TRAIN CABLE USING ITS NATURAL BEND WHILE LEAVING A LENGTH OF CABLE LOOPED IN THE CABINET. USE AN APPROVED CORROSION INHIBITING COMPOUND FOR ALL CONNECTIONS.
3. REFER TO E34 FOR GROUNDING DETAILS.
4. INSTALL ELBOW ARRESTOR ON THE BACK OF EACH T–BODY ELBOW USING ELBOW TAP PLUG.



DETAIL A – PRIMARY CONNECTION



DETAIL B – GROUND BUS CONNECTION



DETAIL C – CABLE TRAINING (TOP VIEW)

5 DETAIL– THREE–PHASE ABOVE GROUND SECTIONALIZING CABINET TERMINATIONS
N.T.S.

ITEM CODE	PART DESCRIPTION	MANUFACTURER (STD OF ACCEPTANCE)	PART No.	NOTES
C04	CONDUCTOR, COPPER, BARE, 4/0 AWG, 7 STRAND, MHD			
C06	CONNECTOR, "OKLIP", FOR COPPER TO COPPER CONNECTIONS	BURNDY	KVSXX	VARIOUS SIZES BASED ON APPLICATION
C07	CONNECTOR, EXOTHERMIC, FOR COPPER TO COPPER CONNECTIONS	BURNDY	TYPE BCC	VARIOUS SIZES BASED ON APPLICATION
E02	ELBOW, T–BODY, 15kV, 600A, DEAD–BREAK, WITH TEST POINT, PER ANSI/IEEE 386, WITH INSULATING PLUG, CAP, STUD LUG, AND CABLE ADAPTER	EATON/COOPER	BT625CC13A1T/ BT625EE21A1T	SIZE TO BE COMPATIBLE WITH CABLE SIZE
E04	BUSHING PLUG INSERT 15 kV LOAD BREAK, AS PER ANSI/IEEE 386	ELASTIMOLD	1601A4	200A
E05	ELBOW, SURGE ARRESTOR, 200A, 15kV RATING, MCOV 5.1kV	EATON/COOPER	3238018C06M	

ITEM CODE	PART DESCRIPTION	MANUFACTURER (STD OF ACCEPTANCE)	PART No.	NOTES
E07	ELBOW TAP PLUG, LOAD–BREAK, 15kV RATING	EATON/COOPER	BLRTP615AS	FOR T–BODY ELBOW TO ELBOW SURGE ARRESTOR INTERFACE
J01	JUNCTIONS, 4–POSITION, THREE–PHASE, 15kV, 600A, WITH PARKING STANDS (STAINLESS STEEL)	HUBBELL	625J4U	JUNCTION AND PARKING STAND ORIENTATION TO BE COORDINATED WITH SECTIONALIZING CABINET MANUFACTURER
J02	JUNCTIONS, FOR URD BOX, 600V	ABB/HOMAC		MUCT ACCEPT UP TO 500 KCMIL
S01	SECTIONALIZING CABINET, THREE–PHASE, 15kV 600A	NORDIC FIBREGLASS	ND–552454–MG–XXX	SIZE OF CABINET TO BE COMPATIBLE WITH PRIMARY CABLE SIZES
U02	URD BOX, ABOVE GRADE SERVICE ENCLOSURE, COMPLETE WITH BOLTED COVER, SUITED FOR INSTALLATION OF JUNCTIONS	NORDIC FIBREGLASS	PSP–151530–MG	SIZE OF CABINET TO BE VERIFIED FOR COMPATIBILITY WITH SECONDARY CABLE SIZES

NOTES:

1. UNITS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. DETAILS ARE BASED ON NOVA SCOTIA POWER UG DISTRIBUTION STANDARDS.
   REFER TO :
   - 2U–ED–54M URD BOX
   - 4U–ED–11M MOLE TERMINATIONS
   - 8U–ED–36M SECTIONALIZING CABINET
   - 8U–ED–38M S.C. TERMINATIONS
3. STANDARD OF ACCEPTANCE: SHAW PRECAST

LEGEND:

X## BILL OF MATERIAL X## (THIS DRAWING)

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV.01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

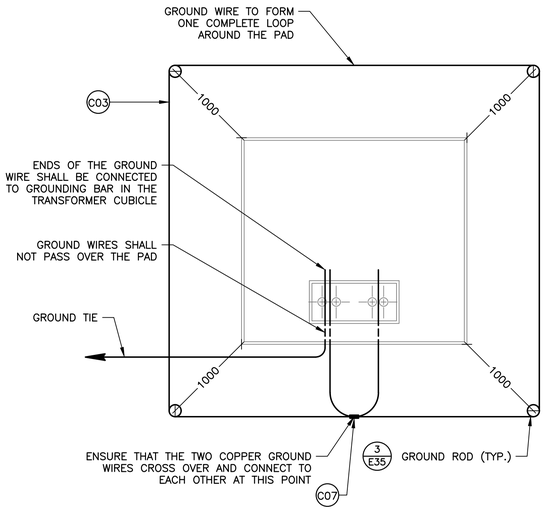
ELECTRICAL

DISTRIBUTION EQUIPMENT DETAILS

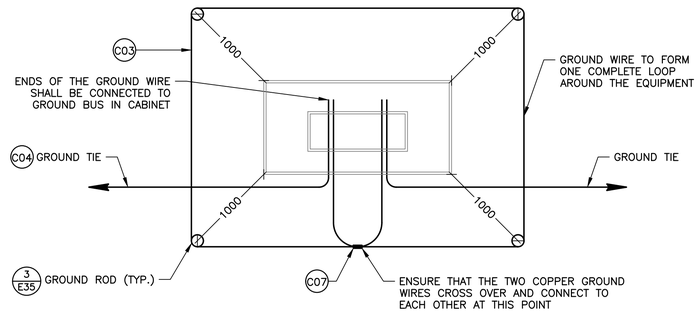
CBCL

REGISTERED PROFESSIONAL ENGINEER — L. V. O'Keefe — 7683 — PROVINCE OF NOVA SCOTIA

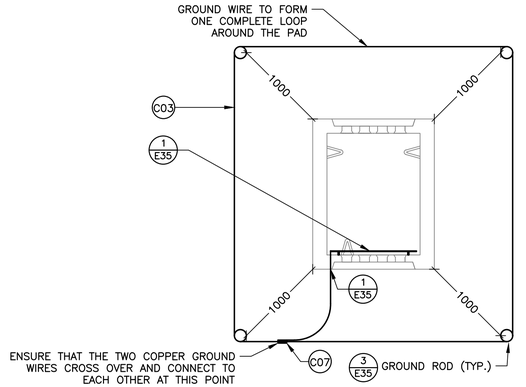
CBCL No	241016.00
Contract No	
Date	JUL 2024
Scale	AS NOTED
Designed	MEF
Drawn	BJL
Checked	LO'K
Approved	
Sheet No	7 of 14
Drawing No	E33



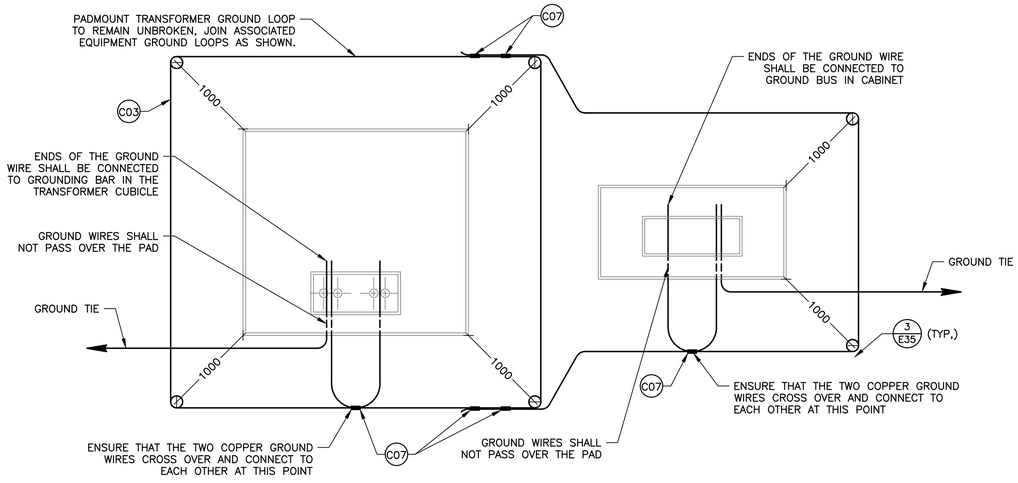
1 — DETAIL— GROUNDING FOR PADMOUNT TRANSFORMER
1:30



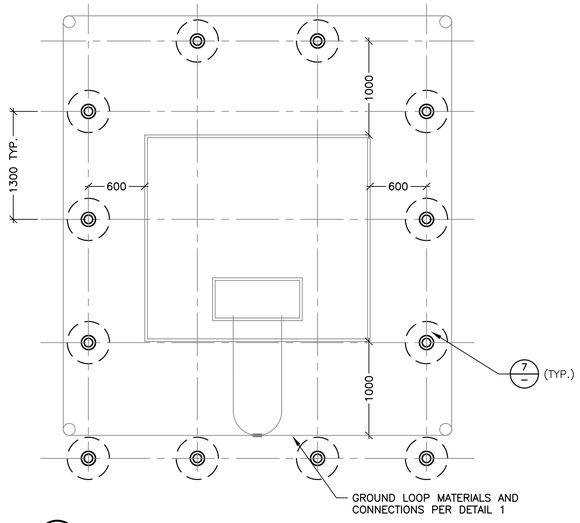
2 — DETAIL— GROUNDING OF SECTIONALIZING CABINET
1:30



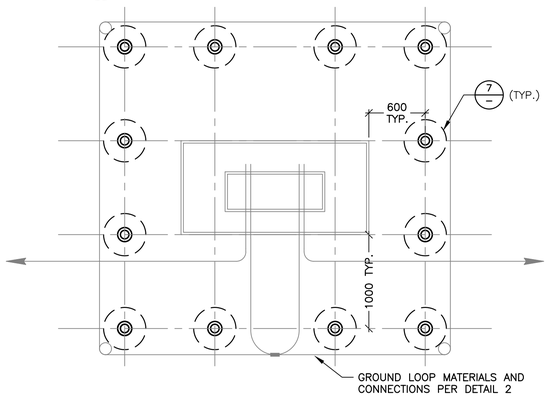
3 — DETAIL— GROUNDING OF PULL PIT
1:30



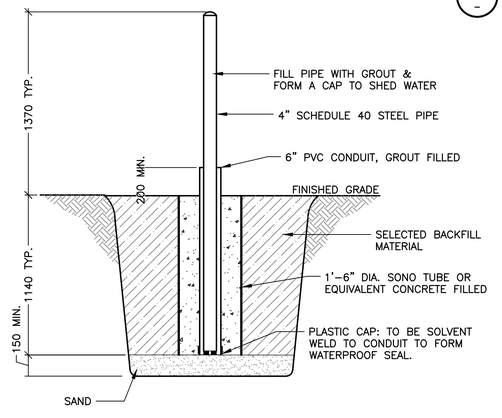
4 — DETAIL— GROUNDING FOR ADJACENT PADMOUNT TRANSFORMER AND SECTIONALIZING CABINET
1:30



5 — DETAIL— PADMOUNT TRANSFORMER VEHICULAR PROTECTION
1:30



6 — DETAIL— SECTIONALIZING CABINET VEHICULAR PROTECTION
1:30



7 — DETAIL— BOLLARD
1:30

ITEM CODE	PART DESCRIPTION	MANUFACTURER (STD OF ACCEPTANCE)	PART No.	NOTES
C03	CONDUCTOR, COPPER, BARE, 2/0 AWG, 7 STRAND, MHD			
C04	CONDUCTOR, COPPER, BARE, 4/0 AWG, 7 STRAND, MHD			
C07	CONNECTOR, EXOTHERMIC, FOR COPPER TO COPPER CONNECTIONS	BURNDY	TYPE BCC	VARIOUS SIZES BASED ON APPLICATION

NOTES:

1. UNITS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. DETAILS ARE BASED ON NOVA SCOTIA POWER UG DISTRIBUTION STANDARDS.
   REFER TO :
   6U-ED-40M: XFMR VEHICULAR PROTECTION
   6U-ED-40M: BOLLARD
   10U-ED-11M: GROUND ROD ATTACHMNET
   10U-ED-30M: XFMR PAD GROUNDING
   10U-ED-31M: S.C. GROUNDING
   10U-ED-31M: GROUND ROD
3. THE PVC CONDUIT, OR EQUIVALENT MUST BE INSTALLED TO INSULATE THE STEEL PIPE AND THUS PREVENT TRANSFER OF DANGEROUS TOUCH POTENTIAL IN THE EVENT OF A FAULT.
4. BOLLARDS SHALL BE PLACED SO AS TO NOT OBSTRUCT ANY DOORS OR RESTRICT THE SAFE OPERATION OF THE EQUIPMENT IN ALL CASES. THEY SHALL BE A MINIMUM OF 1000mm FROM THE EDGE OF THE PAD ALONG THE FRONT SIDE.
5. THE MAXIMUM ALLOWABLE DISTANCE BETWEEN BOLLARDS SHALL BE 1300mm UNLESS OTHERWISE SHOWN.
6. GROUNDING SHALL EXTEND OUT BEYOND THE BOLLARD FOOTINGS. THEREFORE THE SPACING OF THE GROUND RODS FROM THE BASE MAY BE INCREASED ABOVE THE TYPICAL 1000mm TO ACCOMMODATE THE BOLLARD FOOTINGS. WHERE NO BOLLARDS ARE REQUIRED GROUNDING SHALL BE AS PER DETAILS 1 AND 2, THIS SHEET
7. BOLLARDS NEED ONLY BE LOCATED ON SIDES WHERE VEHICULAR TRAFFIC MAY BE A HAZARD. REFER TO PLAN VIEWS FOR BOLLARD REQUIREMENTS.
8. ALL GROUNDING SHALL BE IN ACCORDANCE WITH SECTION 36 OF THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE, PART 1.
9. GROUND TIE INSTALLED UNDER THE CONCRETE ENCASED MEDIUM-VOLTAGE DUCTBANK AS SHOWN IN THE DUCTBANK DETAILS SHEET E030.

LEGEND:

X## BILL OF MATERIAL X## (THIS DRAWING)

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV.01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

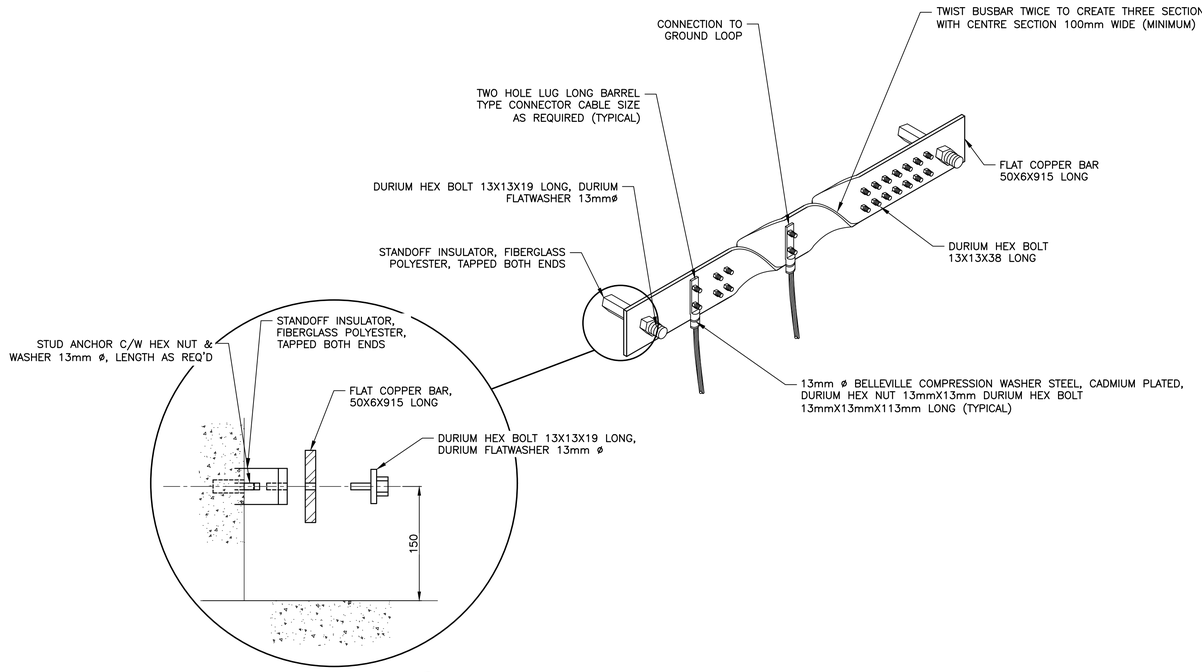
ELECTRICAL

EQUIPMENT GROUNDING AND VEHICULAR PROTECTION DETAILS

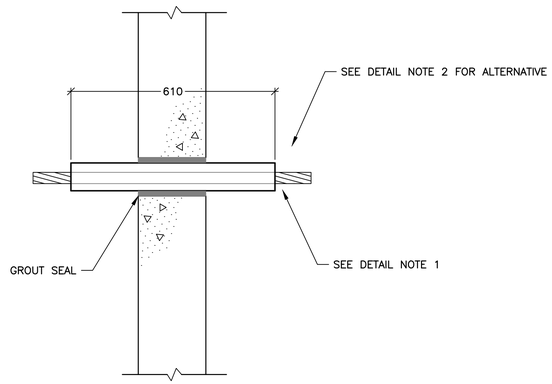
CBCL

REGISTERED PROFESSIONAL ENGINEER — L. V. O'Keefe — 7683 — PROVINCE OF NOVA SCOTIA

CBCL No 241016.00	Contract No
Date JUL 2024	Scale AS NOTED
Designed MEF	Drawn BJL
Checked LO'K	Approved
Sheet No 8 of 14	
Drawing No **E34**	



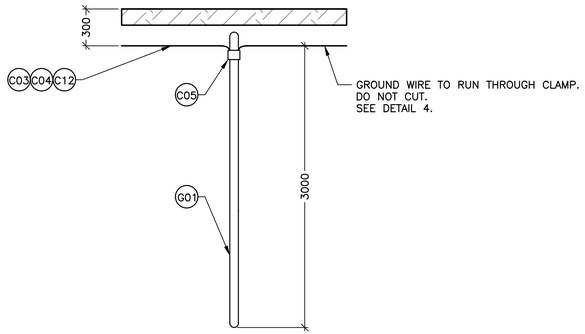
1 DETAIL– GROUND WIRE PENETRATION
N.T.S.



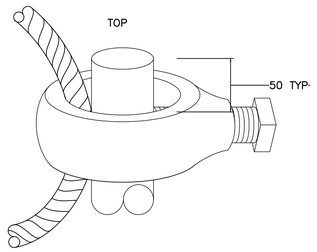
DETAIL NOTES:

1. SOLDER STRANDS OF Cu CONDUCTOR. CAST IN PLACE OR CAST IN PLACE A 1/2" CONDUIT ENTRANCE PIECE. IF CONDUIT IS USED, GROUT BETWEEN CONDUCTOR AND CONDUIT TO SEAL ENTRANCE.
2. ALTERNATIVE: REPLACE WITH #8 (MIN.) REBAR MEMBER. BOND COPPER CABLE TO REBAR ON EACH SIDE USING TWO (2) SUITABLE, PERMANENT REBAR–TO–CONDUCTOR BONDING CLAMPS (E.G. BURNDY GAR 1429).

2 DETAIL– GROUND WIRE PENETRATION
N.T.S.



3 DETAIL– GROUND ROD CONNECTION
N.T.S.



DETAIL NOTES:

1. FOR PADMOUNT EQUIPMENT INSTALLATIONS THE GROUND WIRE SHALL PASS THROUGH THE CONNECTOR IN A CONTINUOUS LOOP AROUND THE EQUIPMENT PAD.

4 DETAIL– GROUND ROD ATTACHMENT
N.T.S.

ITEM CODE	PART DESCRIPTION	MANUFACTURER (STD OF ACCEPTANCE)	PART No.	NOTES
C03	CONDUCTOR, COPPER, BARE, 2/0 AWG, 7 STRAND, MHD			
C04	CONDUCTOR, COPPER, BARE, 4/0 AWG, 7 STRAND, MHD			
C05	CONNECTOR, FOR GROUND ROD, BRONZE (19mm (3/4') ROD TO #2 – 4/0 COPPER CONDUCTOR)	BURNDY	TYPE GRC OR GP	
C12	CONDUCTOR, COPPER, BARE, #2 AWG, 7 STRAND, MHD			
G01	GROUND ROD, COPPER CLAD STEEL, 19mm DIA., 3.0m LONG, TO CSA C22.2 No.41			

NOTES:

1. ALL GROUNDING SHALL BE IN ACCORDANCE WITH SECTION 36 OF THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE, PART 1.

LEGEND:

(X##) BILL OF MATERIAL X## (THIS DRAWING)

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV.01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

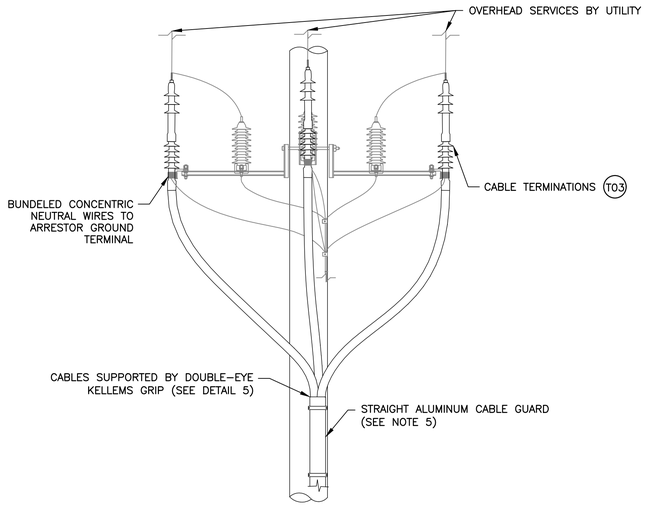
ELECTRICAL

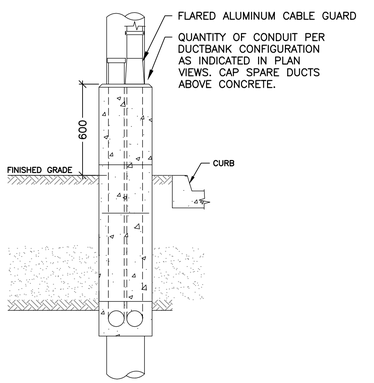
GROUNDING DETAILS

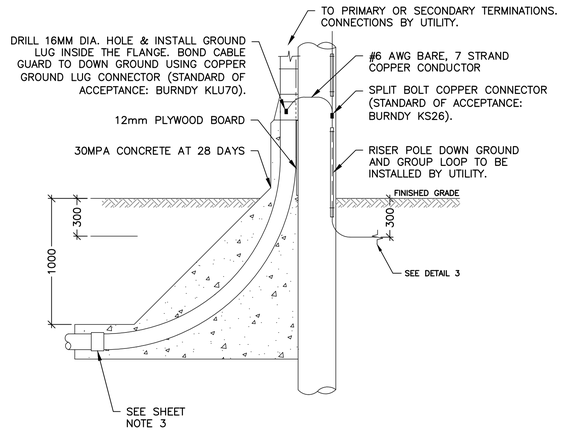
CBCL

REGISTERED PROFESSIONAL ENGINEER
Date: Nov. 14/25
L. V. O'Keefe
7683
PROVINCE OF NOVA SCOTIA

CBCL No 241016.00	Contract No
Date JUL 2024	Scale AS NOTED
Designed MEF	Drawn BJL
Checked LO'K	Approved
Sheet No 9 of 14	
Drawing No E35	



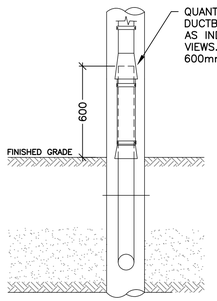


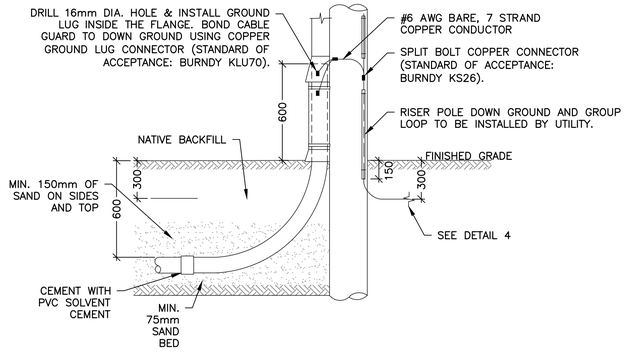


DETAIL NOTES:

1. DUCTS SHALL BE SECURED TO THE POLE WITH CONDUIT STRAPS AND HAVE A 12mm THICK PLYWOOD BOARD SPACER BEFORE CONCRETE IS POURED.
2. ALL DUCTS SHALL BE CLEANED AND SWABBED, THEN CAPPED FOR PROTECTION AT 910mm ABOVE FINISHED GROUND.
3. STAPLE GROUND WIRE MOULDINGS TO POLE EVERY 1200MM.
4. DUCTS SHALL NOT BE INSTALLED ON THE CURB OR TRAFFIC SIDES OF THE POLE.

1 DETAIL– RISER POLE BASE FOR TRAFFIC AREAS
N.T.S.

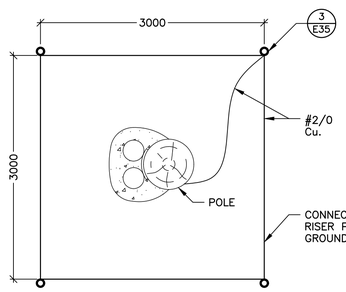


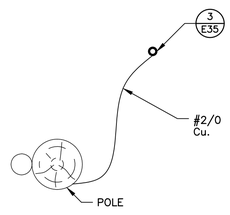


DETAIL NOTES:

1. STAPLE GROUND WIRE MOULDING TO THE POLE EVERY 600mm.

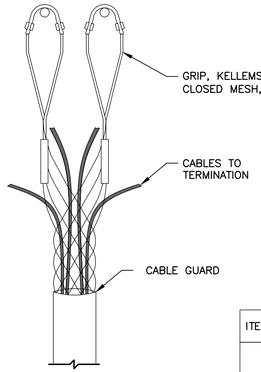
2 DETAIL– SECONDARY RISER POLE BASE FOR NON-TRAFFIC AREAS
N.T.S.





3 DETAIL– PRIMARY RISER POLE GROUNDING
N.T.S. FOR INFORMATION ONLY (SEE NOTE 9)

4 DETAIL– SECONDARY RISER POLE GROUNDING
N.T.S. FOR INFORMATION ONLY (SEE NOTE 9)



5 DETAIL– KELLEMS GRIP CABLE WRAP
N.T.S.

ITEM CODE	PART DESCRIPTION	MANUFACTURER (STD OF ACCEPTANCE)	PART No.	NOTES
T03	TERMINATION, SYNTHETIC, FOR UNDERGROUND RISER CABLE, 15kV, AS PER IEEE 48	RAYCHEM/TE	HVT-153-SJ	COMPATIBLE WITH PRIMARY CABLE SIZE, OUTDOOR INSTALLATION

NOTES:

1. UNITS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. DETAILS ARE BASED ON NOVA SCOTIA POWER UG DISTRIBUTION STANDARDS.
   REFER TO :
   5U-ED-10M: PRIMARY RISER POLE BASE
   5U-ED-20M: SECONDARY RISER POLE BASE
3. ALL PVC JOINTS MUST BE CEMENTED TOGETHER WITH PVC SOLVENT.
4. ALL CONDUIT MUST BE CLEANED, HAVE NYLON FISH LINE INSTALLED, AND THEN CAPPED FOR PROTECTION.
5. STRAP CABLES UNDER GUARD EVERY 3000MM AND CABLE GUARD TO POLE EVERY 1200MM.
6. RISER POLE GROUND RODS SHALL BE INSTALLED IN UNDISTURBED EARTH APPROXIMATELY 600MM FROM THE BASE OF THE POLE AND BURIED AT LEAST 300MM BELOW GRADE. GROUND WIRE MOULDING SHALL BE INSTALLED FROM THE SYSTEM BOND WIRE TO 150MM BELOW GRADE.
7. MARKER TAPE SHALL BE INSTALLED ABOVE THE CONDUIT FOR ITS ENTIRE LENGTH AS SHOWN IN THE DUCTBANK SECTIONS
8. MAKE UNDERGROUND COPPER TO COPPER GROUND CONNECTIONS USING EXOTHERMIC TYPE CONNECTORS.
9. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF RISER POLE BASES. GROUNDING TO BE INSTALLED BY THE UTILITY WHEN POLES ARE INSTALLED. TAKE CARE TO NOT DAMAGE GROUNDING INSTALLATION WHEN INSTALLING RISER BASES.

LEGEND:

(X##) BILL OF MATERIAL X## (THIS DRAWING)

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV.01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

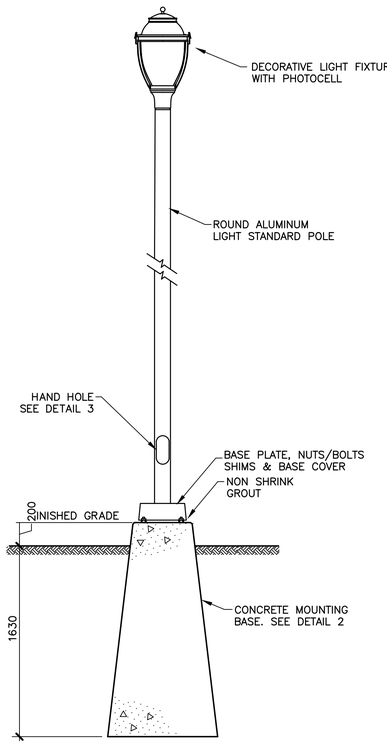
ELECTRICAL

RISER POLE DETAILS

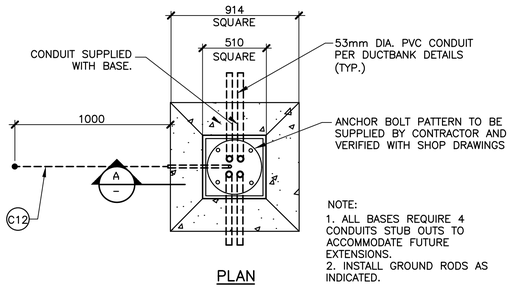
CBCL

REGISTERED PROFESSIONAL ENGINEER — L. V. O'Keefe — 7683 — PROVINCE OF NOVA SCOTIA

CBCL No	241016.00
Contract No	
Date	JUL 2024
Scale	AS NOTED
Designed	MEF
Drawn	BJL
Checked	LO'K
Approved	JAB
Sheet No	10 of 14
Drawing No	E36

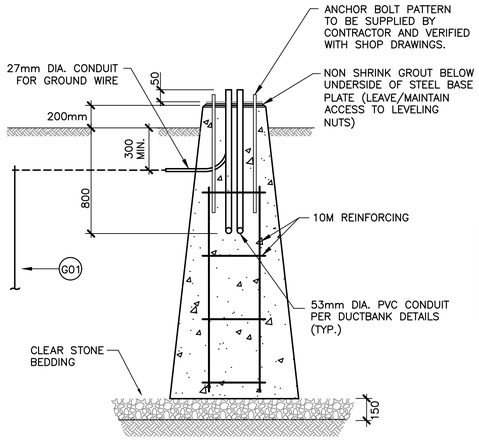


1 DETAIL— DECORATIVE LIGHT STANDARD (TYP.)
N.T.S.



PLAN

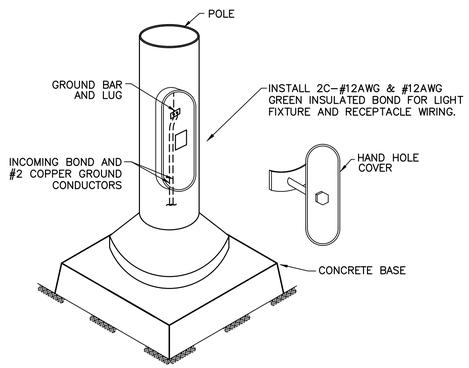
NOTE:
1. ALL BASES REQUIRE 4 CONDUITS STUB OUTS TO ACCOMMODATE FUTURE EXTENSIONS.
2. INSTALL GROUND RODS AS INDICATED.



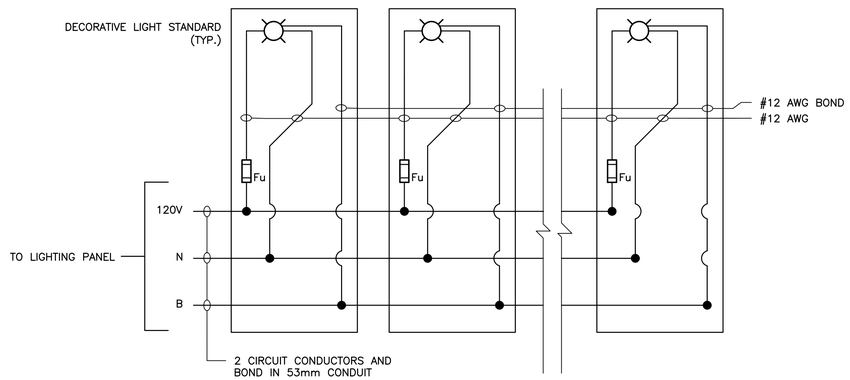
SECTION A

ITEM CODE	PART DESCRIPTION
C12	CONDUCTOR, COPPER, BARE, #2 AWG, 7 STRAND, MHD
G01	GROUND ROD, COPPER CLAD STEEL, 19mm DIA., 3.0m LONG, TO CSA C22.2 No.41

2 DETAIL— PRECAST LIGHT STANDARD BASE (TYP.)
N.T.S.



3 DETAIL— LIGHT POLE BASE (TYP.)
N.T.S.



4 DETAIL— LIGHTING CIRCUIT WIRING DIAGRAM
N.T.S.

LEGEND:

(X##) BILL OF MATERIAL X## (THIS DRAWING)

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV.01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

ELECTRICAL

STREET LIGHTING DETAILS

CBCL

REGISTERED PROFESSIONAL ENGINEER
Date: Nov. 14/25
L. V. O'Keefe
7683
PROVINCE OF NOVA SCOTIA

CBCL No 241016.00	Contract No
Date OCT 2024	Scale AS NOTED
Designed MEF	Drawn BJL
Checked LO'K	Approved JAB
Sheet No 11 of 14	
Drawing No E37	

5 PENDING APPROVAL OF CCO–08

Remarks											Remarks
	Power:	120/240V, 1ø, 3W	PANEL	A			SYM. IC.:	14000	A		
	# OF CKTS.:	16	LOCATION	PARK			MAINS:	100	A		
	INCOMING:						MAIN BKR:	100	A		

Designation	CKT #	BKR	PHASE a	PHASE b	BKR	CKT#	Designation	Remarks
LEVEL 2 EV CHARGER A	1	40A, 2P	X		40A, 2P	2	SPARE	
	3			X		4		
LEVEL 2 EV CHARGER B	5	40A, 2P	X		15A	6	SPARE	
	7			X	15A	8	SPARE	
SPACE	9		X			10	SPACE	
SPACE	11			X		12	SPACE	
SPACE	13		X			14	SPACE	
SPACE	15			X		16	SPACE	

Remarks:		
	1	PROVIDE TYPED WRITTEN SCHEDULE INDICATING ACCURATE CIRCUIT LOADING FOR ALL THE CIRCUITS IN THE PANEL BOARD

7 DETAIL–PANEL A SCHEDULE
N.T.S.

Remarks											Remarks
	Power:	120/240V, 1ø, 3W	PANEL	B			SYM. IC.:	14000	A		
	# OF CKTS.:	24	LOCATION	PARK			MAINS:	200	A		
	INCOMING:						MAIN BKR:	200	A		

Designation	CKT #	BKR	PHASE a	PHASE b	BKR	CKT#	Designation	Remarks
14–50R RECEPTACLE	1	50A, 2P	X		50A, 2P	2	14–50R RECEPTACLE	
	3			X		4		
5–30R RECEPTACLE	5	30A	X		20A	6	5–20R GFCI RECEPTACLE	
5–30R RECEPTACLE	7	30A		X	20A	8	5–20R GFCI RECEPTACLE	
SPARE	9	30A	X			10	SPACE	
SPARE	11	20A		X		12	SPACE	
SPACE	13		X			14	SPACE	
SPACE	15			X		16	SPACE	
SPACE	17		X			18	SPACE	
SPACE	19			X		20	SPACE	
SPACE	21		X			22	SPACE	
SPACE	23			X		24	SPACE	

Remarks:		
	1	PROVIDE TYPED WRITTEN SCHEDULE INDICATING ACCURATE CIRCUIT LOADING FOR ALL THE CIRCUITS IN THE PANEL BOARD

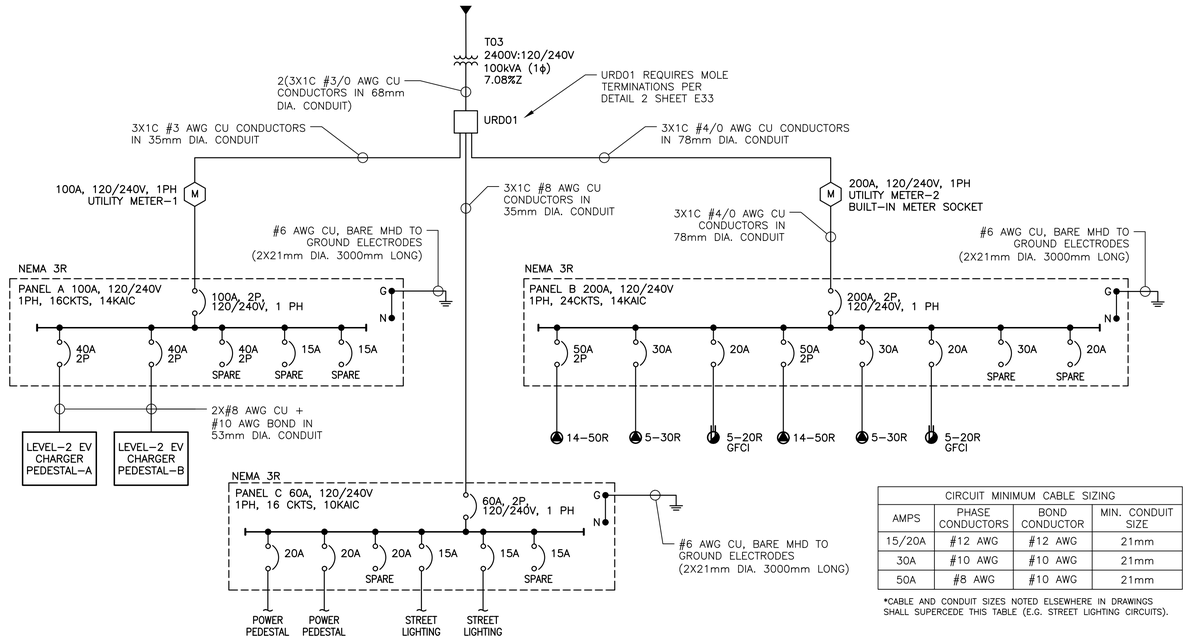
8 DETAIL–PANEL B SCHEDULE
N.T.S.

Remarks											Remarks
	Power:	120/240V, 1ø, 3W	PANEL	C			SYM. IC.:	10000	A		
	# OF CKTS.:	16	LOCATION	PARK			MAINS:	60	A		
	INCOMING:						MAIN BKR:	60	A		

Designation	CKT #	BKR	PHASE a	PHASE b	BKR	CKT#	Designation	Remarks
STREETLIGHTING CIRCUIT A	1	15A	X		20A	2	POWER PEDESTAL A	
STREETLIGHTING CIRCUIT B	3	15A		X	20A	4	POWER PEDESTAL B	
SPARE	5	15A	X		20A	6	SPARE	
SPACE	7			X		8	SPACE	
SPACE	9		X			10	SPACE	
SPACE	11			X		12	SPACE	
SPACE	13		X			14	SPACE	
SPACE	15			X		16	SPACE	

Remarks:		
	1	PROVIDE TYPED WRITTEN SCHEDULE INDICATING ACCURATE CIRCUIT LOADING FOR ALL THE CIRCUITS IN THE PANEL BOARD

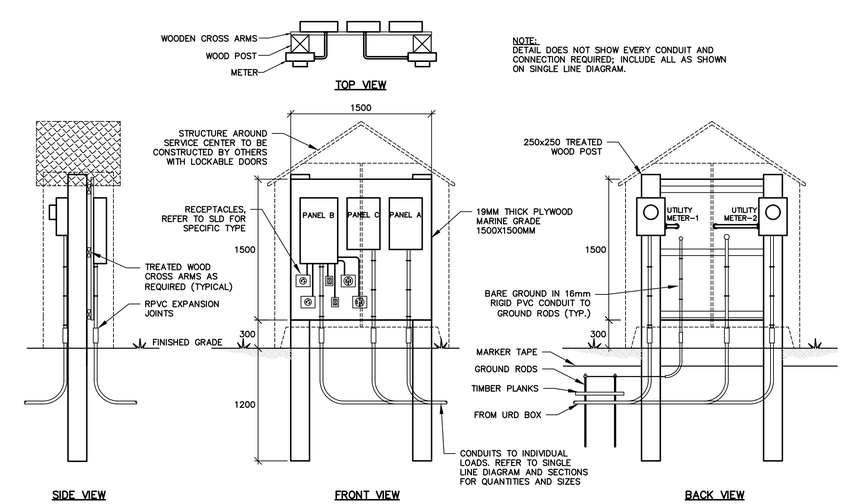
9 DETAIL–PANEL C SCHEDULE
N.T.S.



CIRCUIT MINIMUM CABLE SIZING			
AMPS	PHASE CONDUCTORS	BOND CONDUCTOR	MIN. CONDUIT SIZE
15/20A	#12 AWG	#12 AWG	21mm
30A	#10 AWG	#10 AWG	21mm
50A	#8 AWG	#10 AWG	21mm

*CABLE AND CONDUIT SIZES NOTED ELSEWHERE IN DRAWINGS SHALL SUPERCEDE THIS TABLE (E.G. STREET LIGHTING CIRCUITS).

1 DETAIL–SINGLE LINE DIAGRAM
N.T.S.



5 DETAIL–SERVICE CENTER
N.T.S.

No.	Description	Date	By
5	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
4	ISSUED FOR CCO–08	OCT 14/25	JAB
3	ISSUED FOR CONSTRUCTION REV.02	AUG 22/25	JAB
2	ISSUED FOR CONSTRUCTION REV.01	APR 01/25	JAB
1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF MAHONE BAY

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

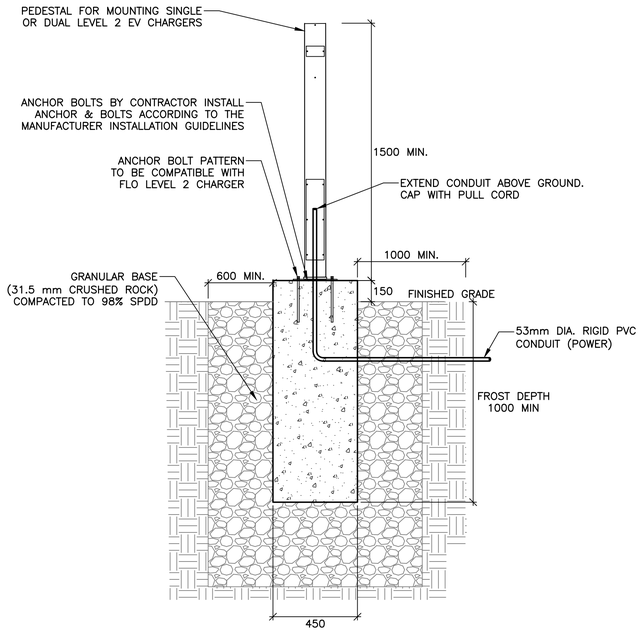
ELECTRICAL

PARK DISTRIBUTION DETAILS 1 OF 2

CBCL

REGISTERED PROFESSIONAL ENGINEER
Date:
L. V. O'Keefe
7683
PROVINCE OF NOVA SCOTIA

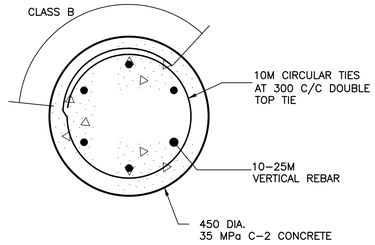
CBCL No 241016.00	Contract No
Date OCT 2024	Scale AS NOTED
Designed VS	Drawn MF
Checked LO'K	Approved JAB
Sheet No 12 of 14	
Drawing No E38-1	



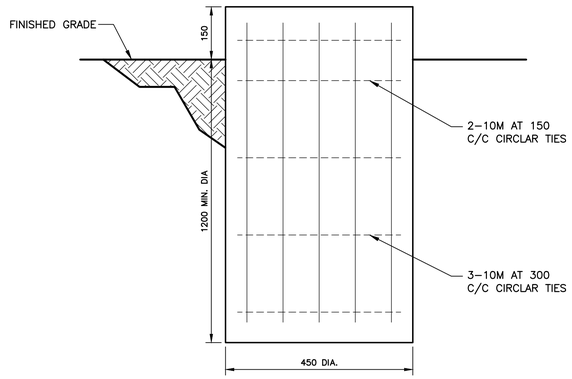
NOTES:

1. LEVEL–2 EV CHARGER PEDESTAL TO BE SUPPLIED AND INSTALLED UNDER THIS CONTRACT. PEDESTAL SHALL BE COMPATABLE FOR SINGLE OR DUAL EV CHARGERS MOUNTING. COORDINATE WITH THE MANUFACTURER PRIOR TO CONSTRUCTION. STANDARD OF ACCEPTANCE FLO CoRE+ PEDESTAL OR APPROVED EQUIVALENT.
2. PROVIDE SHOP DRAWINGS FOR REVIEW & APPROVAL.
3. FOR PDESTAL FOUNDATION BASES, PROVIDE SHOP DRAWINGS STAMPED BY STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION

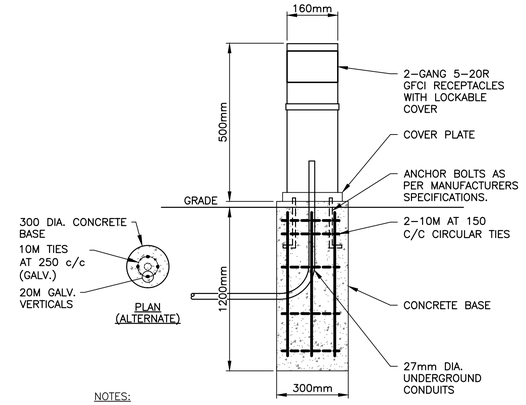
2 — DETAIL– FLO LEVEL–2 CHARGER PEDESTAL INSTALLATION DETAIL
N.T.S.



3 — SECTION– LEVEL 2 EV CHARGER PEDESTAL BASE FOUNDATION PLAN
N.T.S.



4 — ELEVATION– LEVEL 2 EV CHARGER PEDESTAL BASE FOUNDATION
N.T.S.



NOTES:

1. FOR PDESTAL FOUNDATION BASES, PROVIDE SHOP DRAWINGS STAMPED BY STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.

6 — DETAIL–POWER PEDESTAL FOR OTHER LOADS
N.T.S.

No.	Description	Date	By
1	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
0	ISSUED FOR CCO-08	OCT 14/25	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

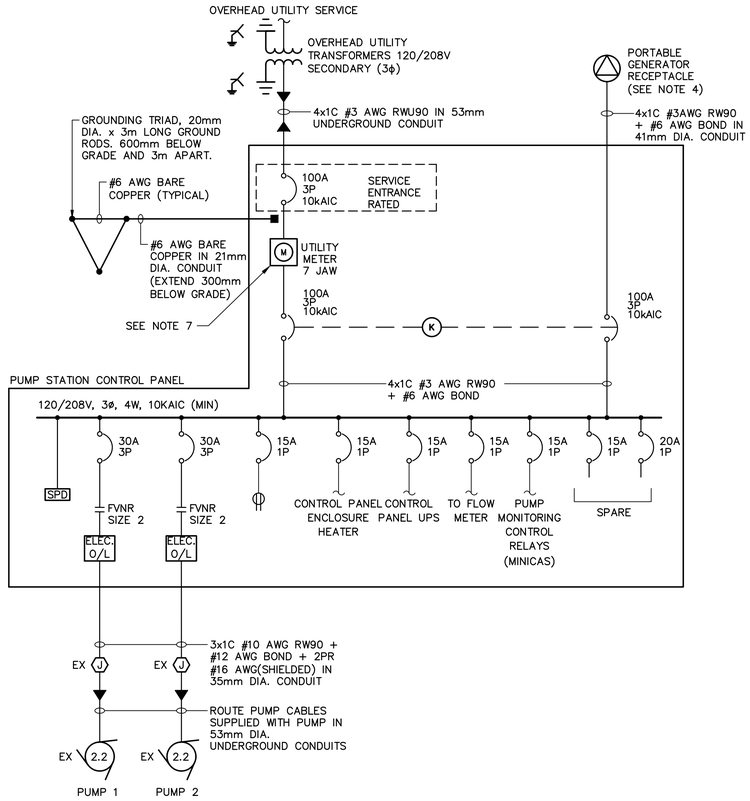
ELECTRICAL

PARK DISTRIBUTION DETAILS 2 OF 2

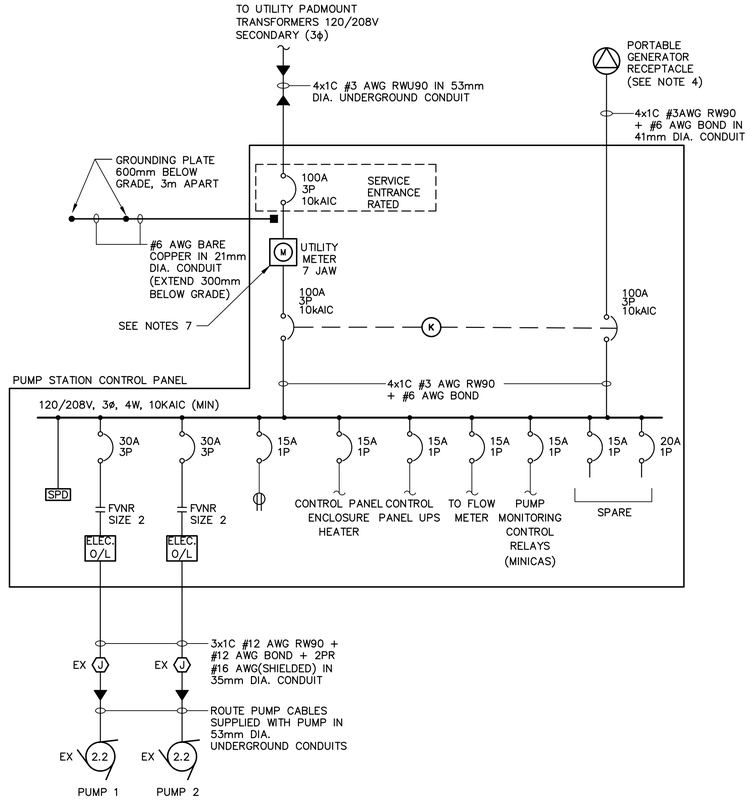
CBCL

REGISTERED PROFESSIONAL ENGINEER — Date: Nov. 14/25 — L. V. O'Keefe — 7683 — PROVINCE OF NOVA SCOTIA

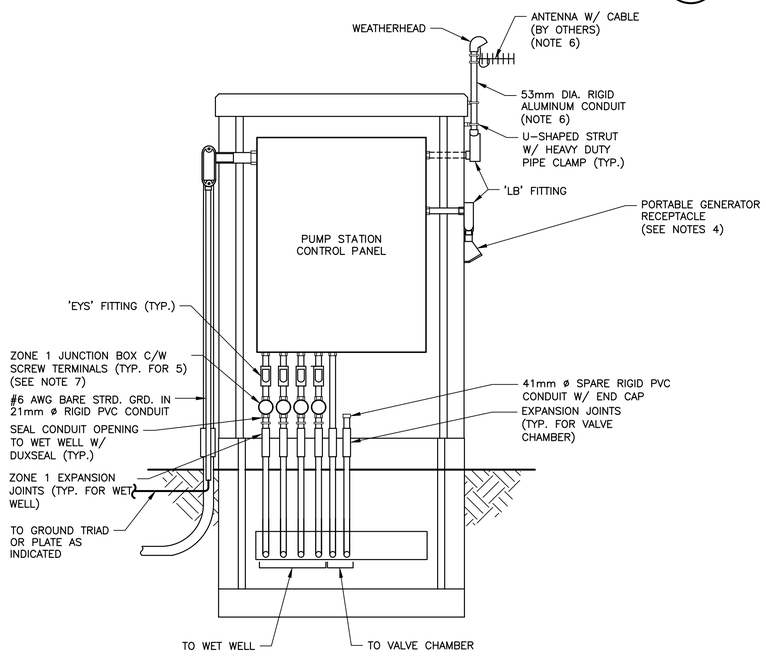
CBCL No 241016.00	Contract No
Date OCT 2025	Scale AS NOTED
Designed VS	Drawn MF
Checked LO'K	Approved JAB
Sheet No 13 of 14	
Drawing No E38-2	



1 — PROPOSED SINGLE LINE DIAGRAM — PUMP STATION #4
N.T.S. — SEE NOTES 1, 2 & 4

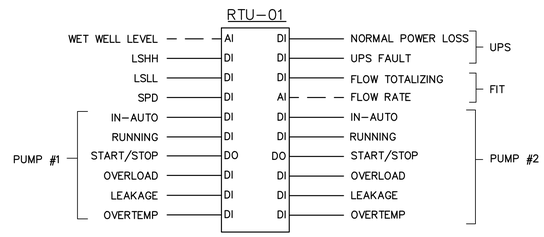


2 — PROPOSED SINGLE LINE DIAGRAM — PUMP STATION #5
N.T.S. — SEE NOTES 1, 2 & 4



FRONT ELEVATION

3 — DETAIL— ELECTRICAL SERVICE AND CONTROL PANEL INSTALLATION
NTS



NOTES:
1. FOR EACH DI/DO, PROVIDE 2x1C #14 AWG RW90 + #14 AWG BOND IN CONDUIT
2. FOR EACH AI/AO, PROVIDE 1PR #16 AWG (SHIELDED & TWISTED) + #14 BOND IN CONDUIT
3. INCLUDE FIELD TERMINALS FOR SPARE I/O

4 — I/O LIST—RTU PANEL
NTS — (SEE NOTE 9)

SITE PLAN

— O/H —	OVERHEAD LINE
UP	UTILITY POLE
— ET —	UNDERGROUND CONDUIT
	GROUNDING ELECTRODE
— —	UNDERGROUND CONDUCTOR

ANNOTATIONS

EX = HAZARDOUS AREA RATED

ELECTRICAL LEGEND

SINGLE LINE DIAGRAM LEGEND

	CIRCUIT BREAKER
	TRANSFORMER
M	POWER METER
	PORTABLE GENERATOR PLUG
	GROUND
	UNDERGROUND CABLING/CONDUIT
J	JUNCTION BOX
FVNR SIZE #	FULL VOLTAGE NON-REVERSIBLE STARTER (SIZE AS INDICATED)
	THREE PHASE MOTOR
ELEC. O/L	OVERLOAD
K	KIRK KEY CIRCUIT BREAKER LOCK
SPD	SURGE PROTECTION DEVICE
	15A, 120V, DUPLEX RECEPTACLE: TYPE 5-15R

ELECTRICAL INSTALLATIONS IN HAZARDOUS AREAS

1. THE PUMP STATION WET WELL IS DESIGNATED AS A ZONE 1 GAS GROUP IIA AND IIB, TEMPERATURE CODE T3 HAZARDOUS AREA. A ZONE 2 GAS GROUP IIA AND IIB, TEMPERATURE CODE T3 HAZARDOUS AREA EXTENDS 0.5m ABOVE EACH WET WELL ACCESS HATCH AND 0.9m HORIZONTALLY FROM EACH WET WELL ACCESS HATCH.
2. THE AREA WITHIN A 0.9m RADIUS FROM A WET WELL VENT PIPE SHALL BE DESIGNATED AS A ZONE 1 HAZARDOUS AREA. A ZONE 2 HAZARDOUS AREA EXTENDS FROM 0.9m RADIUS TO 1.5m RADIUS FROM THE WET WELL VENT PIPE.
3. ALL ELECTRICAL PENETRATIONS FROM A NON-HAZARDOUS AREA TO A HAZARDOUS AREA SHALL BE SEALED AND MADE GAS TIGHT.
4. ELECTRICAL INSTALLATIONS IN HAZARDOUS AREAS SHALL BE IN ACCORDANCE WITH SECTION 18 OF THE CANADIAN ELECTRICAL CODE FOR THE SPECIFIED CLASSIFICATION. THESE AREAS CONTAIN HYDROGEN SULPHIDE (NORTH AMERICAN GAS GROUP C, IES GAS GROUP IIB) AND METHANE (NORTH AMERICAN GAS GROUP D, IES GAS GROUP IIA) GASES.
5. ZONE 1 AND 2 HAZARDOUS AREAS ARE A CATEGORY 2 LOCATION IN ACCORDANCE WITH SECTION 22 OF THE CANADIAN ELECTRICAL CODE AND THE ELECTRICAL INSTALLATION SHALL BE COMPLETED AS PER THE REQUIREMENTS OF A CATEGORY 2 LOCATION.
6. BELOW GRADE VALVE & FLOW METER CHAMBER IS DESIGNATED AS A ZONE 2 GAS GROUP IIA AND IIB, TEMPERATURE CODE T3 HAZARDOUS AREA.

NOTES

1. UNLESS OTHERWISE NOTED, ELECTRICAL EQUIPMENT IS NEW.
2. REFER TO CIVIL DRAWINGS C-110 AND C-111 FOR PUMP STATION PLANS AND SECTIONS.
3. LOCATIONS OF UNDERGROUND SERVICES SHOWN ON CIVIL SITE PLANS ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE TO CONFIRM THE LOCATIONS OF ANY EXISTING OVERHEAD OR BURIED SERVICES AS REQUIRED FOR INSTALLATION OF ANY NEW ELECTRICAL SERVICES.
4. COORDINATE CONDUCTOR SIZE AND AMPERAGE OF PORTABLE GENERATOR RECEPTACLE WITH OWNER'S REPRESENTATIVE.
5. SUPPLY AND INSTALL UTILITY METER SOCKET IN ACCORDANCE WITH UTILITY STANDARDS.
6. VERIFY ANTENNA HEIGHT AND ORIENTATION WITH OWNER.
7. SUPPLY AND INSTALL UTILITY METER SOCKET IN ACCORDANCE WITH UTILITY STANDARDS.
8. FLOAT WIRES TO BE 4X1C #14 RW90. LEVEL SENSOR WIRES TO BE #16 SHIELDED TWISTED PAIR. ALL CONDUIT BETWEEN LEVEL SWITCH JUNCTION BOXES TO BE 27ø RIGID ALUMINUM.
9. SUPPLY, INSTALL AND SIZE CONDUITS, CONDUIT FITTINGS AND JUNCTION BOXES PER THE CANADIAN ELECTRICAL CODE. THE CONTRACTOR MAY COMBINE CONDUITS OF SIMILAR CIRCUITS AS DICTATED BY FIELD CONDITIONS AND THE CANADIAN ELECTRICAL CODE TO REDUCE THE NUMBER OF CONDUITS. THE MAXIMUM INSTRUMENTATION/CONTROL CONDUIT SIZE IS 53mm DIA.

No.	Description	Date	By
4	ISSUED FOR CONSTRUCTION REV.03	NOV 14/25	JAB
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1	ISSUED FOR CONSTRUCTION	FEB 25/25	JAB
0	ISSUED FOR TENDER	DEC 03/24	JAB

Revision or Issue

TOWN OF Mahone Bay

TOWN OF MAHONE BAY

EDGEWATER STREET IMPROVEMENTS

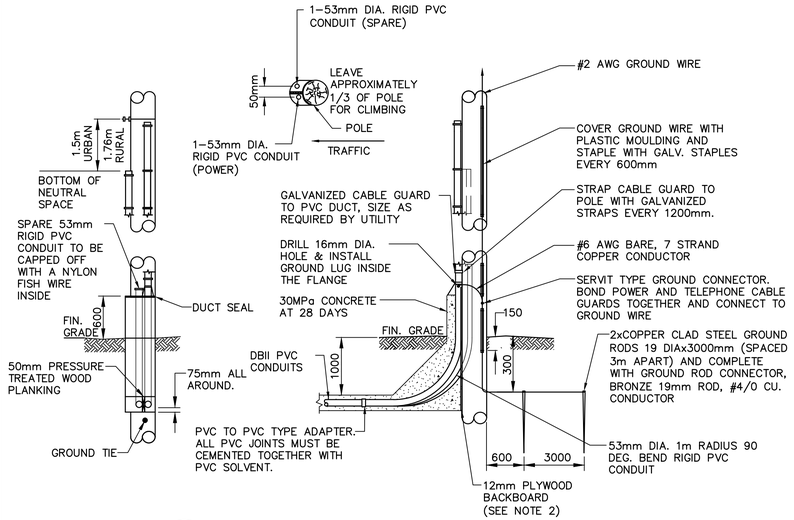
ELECTRICAL

SINGLE LINE DIAGRAMS AND ELECTRICAL DETAILS

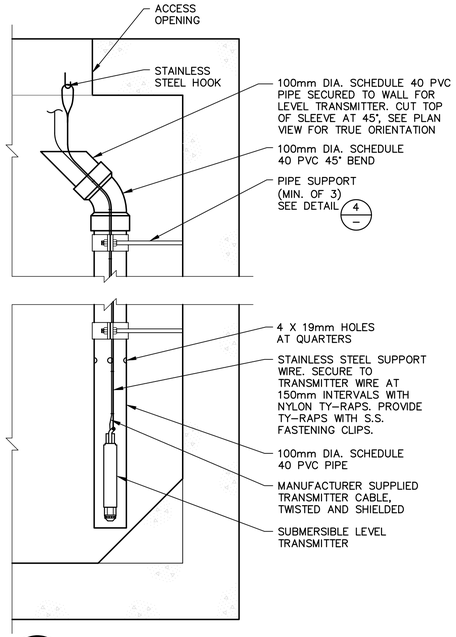
CBCL

REGISTERED PROFESSIONAL ENGINEER — L. V. O'Keefe — 7683 — PROVINCE OF NOVA SCOTIA

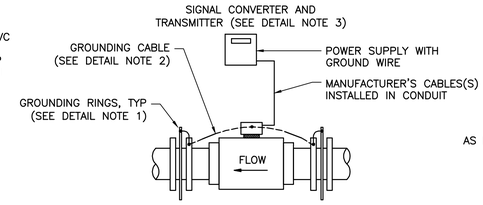
CBCL No 241016.00	Contract No
Date OCT 2024	Scale AS NOTED
Designed SG	Drawn CN
Checked JRK	Approved JAB
Sheet No 13 of 14	
Drawing No **E50**	



1 DETAIL— UTILITY POLE FOR PUMP STATION #4
NTS



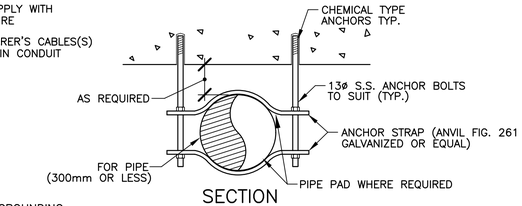
2 DETAIL— WET WELL LEVEL TRANSMITTER
NTS
TYP. FOR PUMP STATION #4 & #5



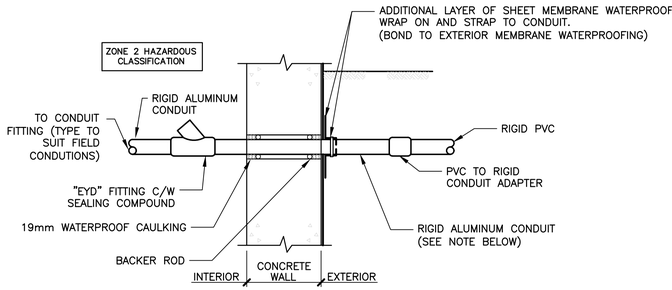
DETAIL NOTES:

1. MAGNETIC FLOW METERS SHALL BE INSTALLED WITH GROUNDING RINGS AND PROPER GROUNDING.
2. GROUNDING CABLE SHALL BE #10 AWG INSULATED. IF THE LENGTH OF CABLE EXCEEDS 6 FEET IT SHALL BE INSTALLED IN A 21mm CONDUIT.
3. THE SIGNAL CONVERTER AND TRANSMITTER SHALL BE REMOTELY MOUNTED IN LIFT STATION CONTROL PANEL. REFER TO PLANS FOR TRANSMITTER LOCATIONS.

3 DETAIL— MAGNETIC FLOW METER INSTALLATION
NTS

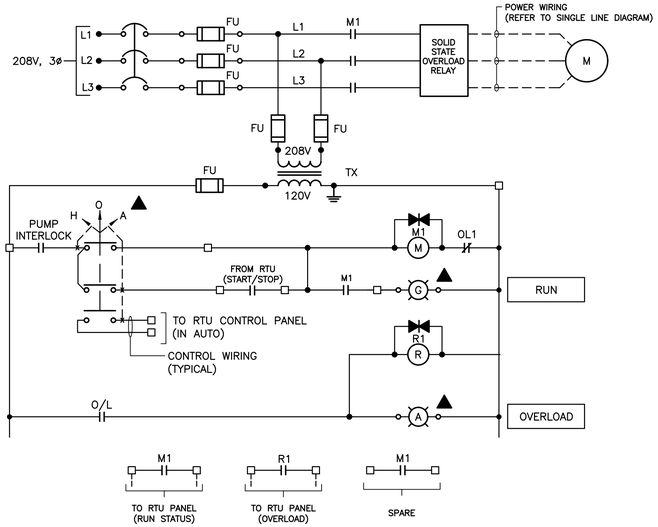


4 DETAIL— PIPE SUPPORT
NTS

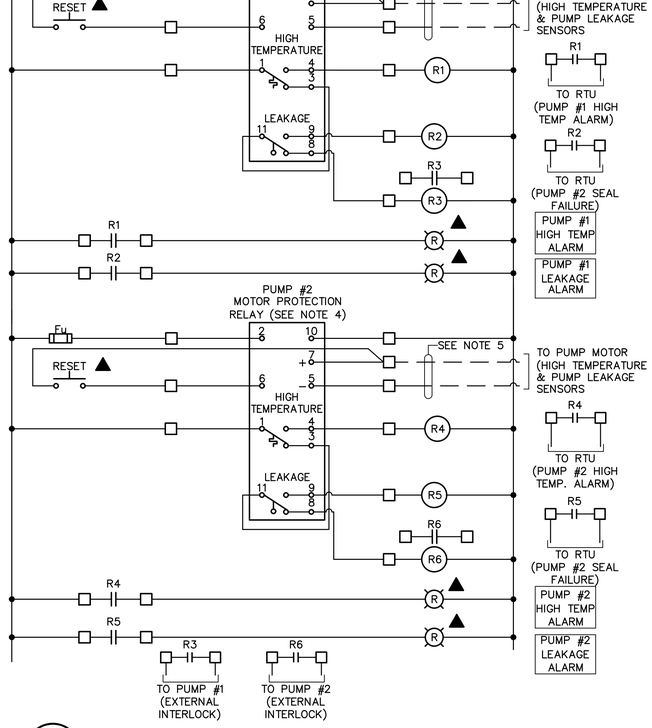


5 DETAIL—BELOW GRADE CONDUIT THROUGH WALL (TYPICAL)
N.T.S.
(SEE NOTE 3)

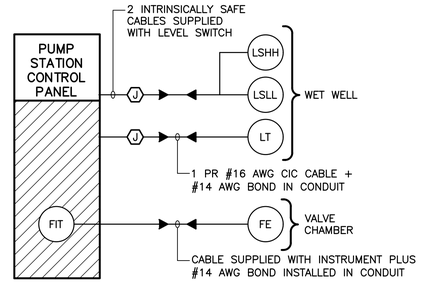
NOTE: PROVIDE HEAT SHRINK SLEEVE OVER RIGID ALUMINUM STEEL CONDUIT THROUGH CONCRETE WALL TO UNDERGROUND PVC TO RIGID CONDUIT ADAPTER.



6 SCHEMATIC— FVNR STARTER
NTS
(SEE NOTE 2)
TYP. FOR ALL PUMPS



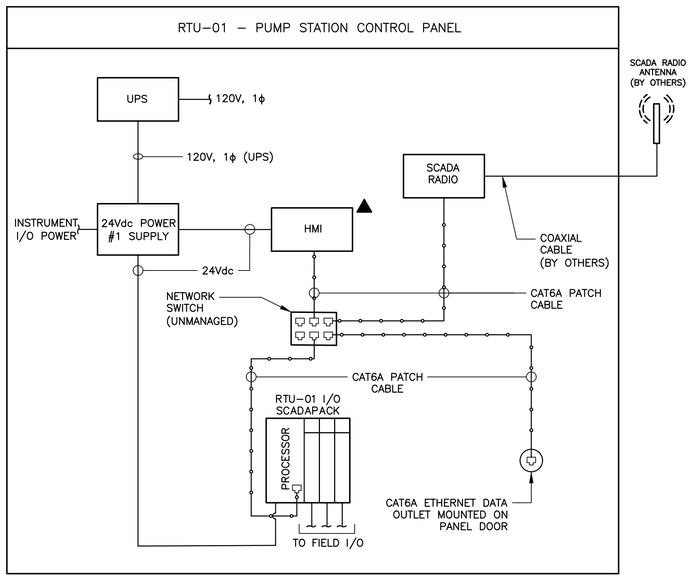
7 SCHEMATIC—PUMP MONITORING CONTROL PANEL
NTS



DETAIL NOTES:

FLOW TRANSMITTER TO BE MOUNTED ON INNER PANEL DOOR.

A BLOCK DIAGRAM— PUMP CONTROL STATION
NTS
TYP. FOR PUMP STATION #4 & #5



B BLOCK DIAGRAM— PUMP CONTROL PANEL RTU
NTS

NOTES

1. UNLESS NOTED OTHERWISE, DIMENSIONS ARE IN MILLIMETERS.
2. SUPPLY, INSTALL AND SIZE CONDUITS, CONDUIT FITTINGS AND JUNCTION BOXES PER THE CANADIAN ELECTRICAL CODE. THE CONTRACTOR MAY COMBINE CONDUITS OF SIMILAR CIRCUITS AS DICTATED BY FIELD CONDITIONS AND THE CANADIAN ELECTRICAL CODE TO REDUCE THE NUMBER OF CONDUITS. THE MAXIMUM INSTRUMENTATION/CONTROL CONDUIT SIZE IS 53mm DIA.
3. [NOTE REMOVED]
4. PUMP MANUFACTURER SUPPLIED MOTOR PROTECTION RELAY SHALL BE SUPPLIED LOOSE TO THE CONTRACTOR FOR FIELD INSTALLATION.
5. CONTRACTOR TO SUPPLY AND INSTALL 1PR #16 AWG (SHIELDED + TWISTED) CABLE PLUS #14 AWG BOND IN CONDUIT (MIN. 21mm DIA.)

CONTROLS LEGEND:

- TERMINAL BLOCK LOCATED IN MOTOR STARTER OR CONTROL PANEL
- INSTRUMENT TERMINAL
- SURGE SUPPRESSOR
- FUSE
- (M) MOTOR STARTER COIL
- (CR) (R) RELAY COIL
- NORMALLY OPEN CONTACT
- NORMALLY CLOSED CONTACT
- O/L O/L OVERLOAD RELAY CONTACT
- THREE POSITION SELECTOR SWITCH
- (W) PILOT LIGHT, COLOUR AS INDICATED (W=WHITE, A=AMBER, G=GREEN, R=RED)
- MOUNTED ON INNER DOOR

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ELECTRICAL

ELECTRICAL DETAILS

CBCL

REGISTERED PROFESSIONAL ENGINEER — L. V. O'Keefe — 7683 — PROVINCE OF NOVA SCOTIA

CBCL No	241016.00
Contract No	
Date	OCT 2024
Scale	AS NOTED
Designed	SG
Drawn	DAD
Checked	JRK
Approved	JAB
Sheet No	14 of 14
Drawing No	E51