

EXISTING		PROPOSED	
VERTICAL PROFILE		VERTICAL PROFILE	
APPROXIMATE 1 IN 100 YEAR FLOOD LIMIT		100 YR	
EASEMENT		EASEMENT	
WALKWAY/T. TRAIL		WALKWAY/T. TRAIL	
GUARDRAIL		GUARDRAIL	
TOP OF SLOPE		TOP OF SLOPE	
BOTTOM OF SLOPE		BOTTOM OF SLOPE	
FENCELINE		FENCELINE	

EXISTING	PROPOSED	EXISTING	PROPOSED
CURB CUT/RAMP	AIR RELEASE VALVE	CURBSTOP	WATER VALVE
REDUCER	HYDRANT	PRECAST HEADWALL	CATCHBASIN
STREET SIGN	UTILITY POLE w/ GUY WIRE	STREET TREE	GLB
	URD		

ALL BEARINGS ARE GRID BASED ON THE NOVA SCOTIA 3rd MODIFIED TRANSVERSE MERCATOR PROJECTION, ZONE 5. CENTRAL MERIDIAN 64°30' WEST LONGITUDE. THE HORIZONTAL REFERENCE FRAME USED HEREON IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83), EPOCH 2010.0 AND WERE DERIVED BY USING G.N.S.S. OBSERVATIONS FROM NETX.

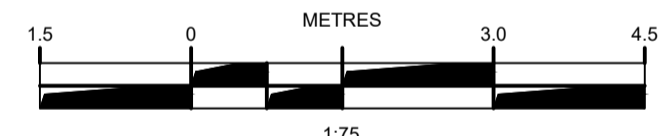
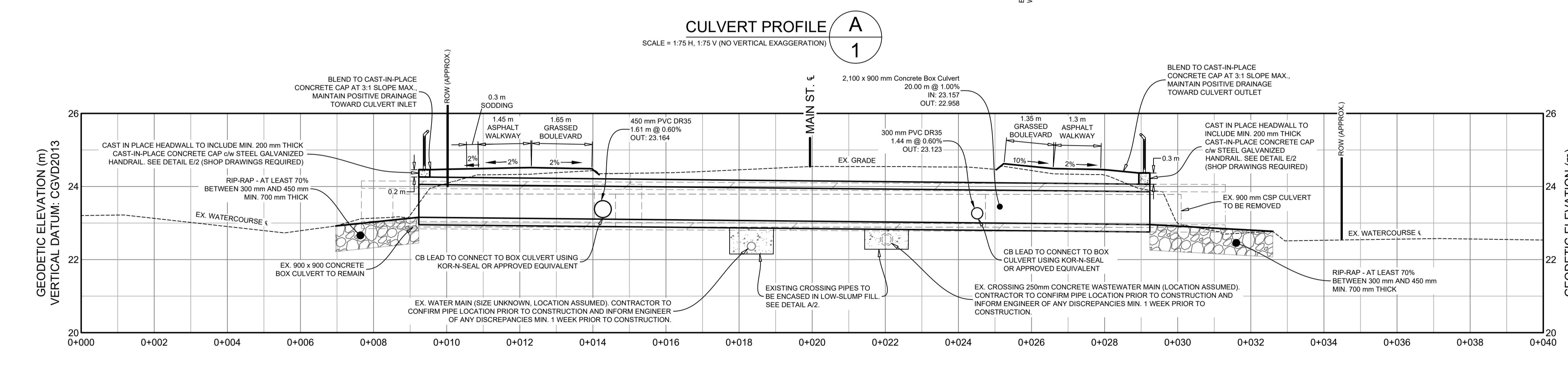
CONTROL POINTS:

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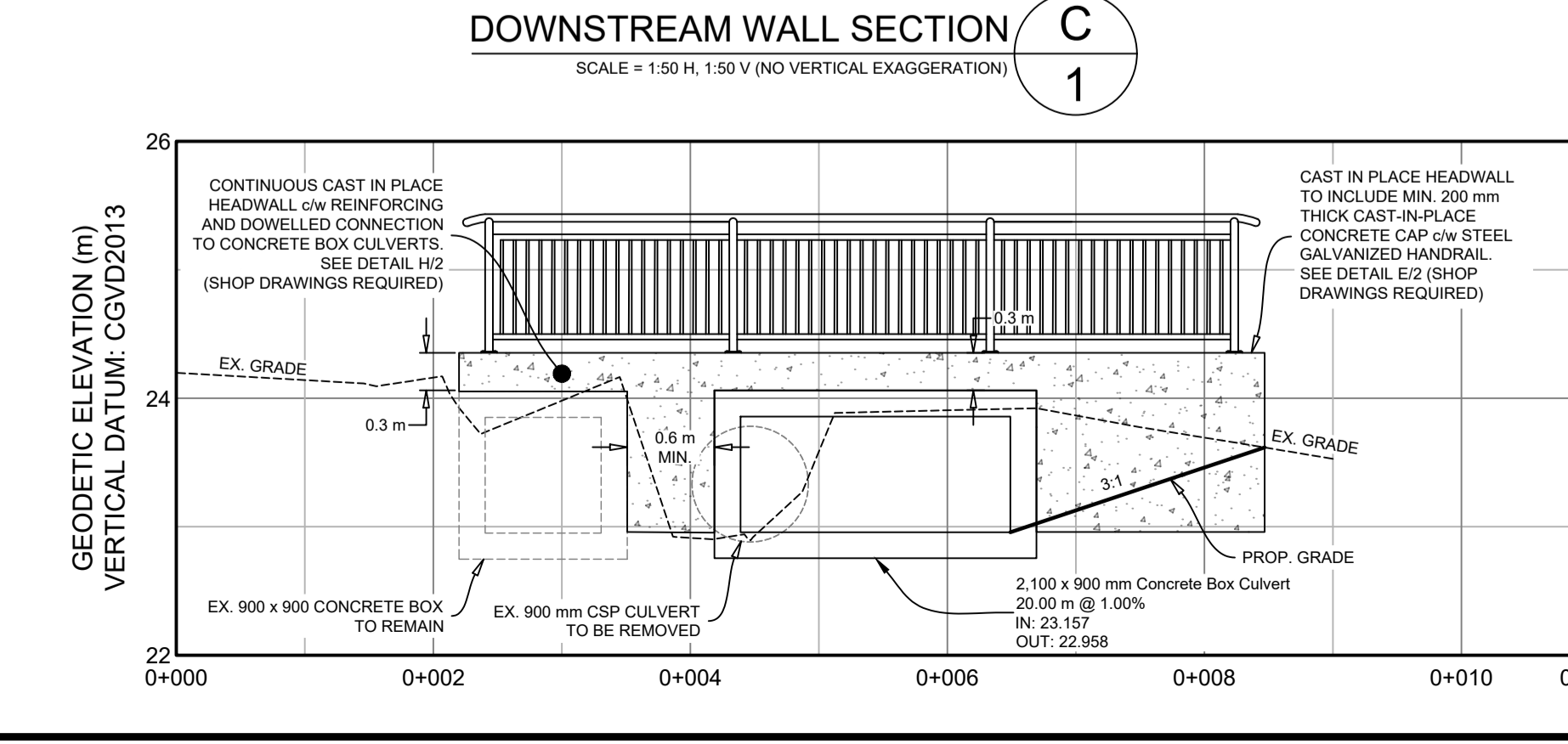
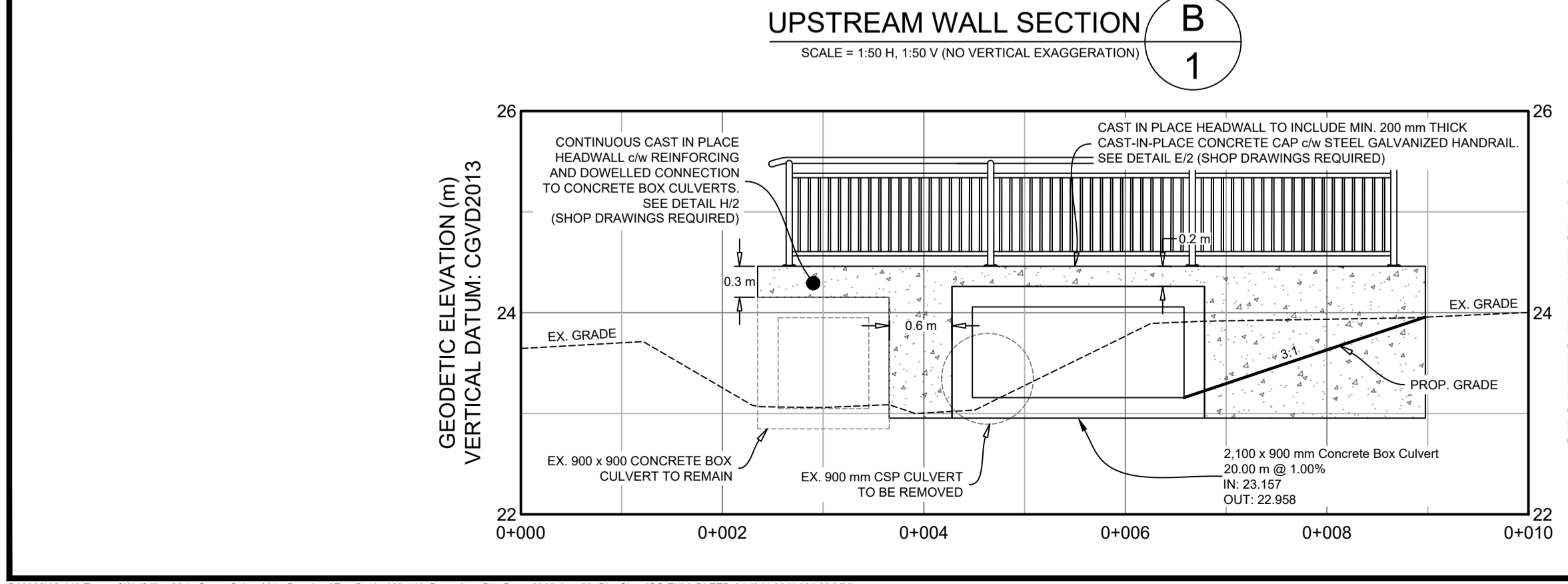
PNJ/SPK #1009
N: 494826.020
E: 2551260.889
Z: 24.905

ELEVATIONS ARE IN METRES REFERENCED TO CGVD2013.

ISSUED FOR TENDER, NOT FOR CONSTRUCTION



- NOTES:
- PROPERTY LINES ARE APPROXIMATE AND SUBJECT TO SURVEY.
 - EXISTING WATER MAIN AND WASTEWATER MAIN TO BE LOCATED PRIOR TO CONSTRUCTION AS PART OF PROJECT WORKS.
 - CONTRACTOR TO ENSURE THE BED AND BANK OF THE WATERCOURSE ARE NOT EXCAVATED OR ALTERED AND TAKE ALL NECESSARY MEASURES TO ISOLATE EXISTING WATERCOURSE FROM CONSTRUCTION ACTIVITIES.
 - REINSTATE ALL DISTURBED AREAS TO PRE-CONSTRUCTION CONDITION OR BETTER.
 - CONTRACTOR TO PERFORM IN SITU WASH OF ROCK LINING MATERIAL WITH ALL EROSION AND SEDIMENTATION CONTROLS STILL IN PLACE TO CONTAIN DIRTY WATER. DIRTY WATER TO BE FILTERED AND DISPOSED OF AS NECESSARY.



ISSUE	DATE	DESCRIPTION
2	AUG. 22, 2023	ISSUED FOR TENDER
1	FEB. 16, 2023	ISSUED FOR 60% DESIGN

CONSULTANT

DESIGNPOINT
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CLIENT

wolfville

PROJECT DESCRIPTION

EAST MAIN STREET CROSS CULVERT REPLACEMENT

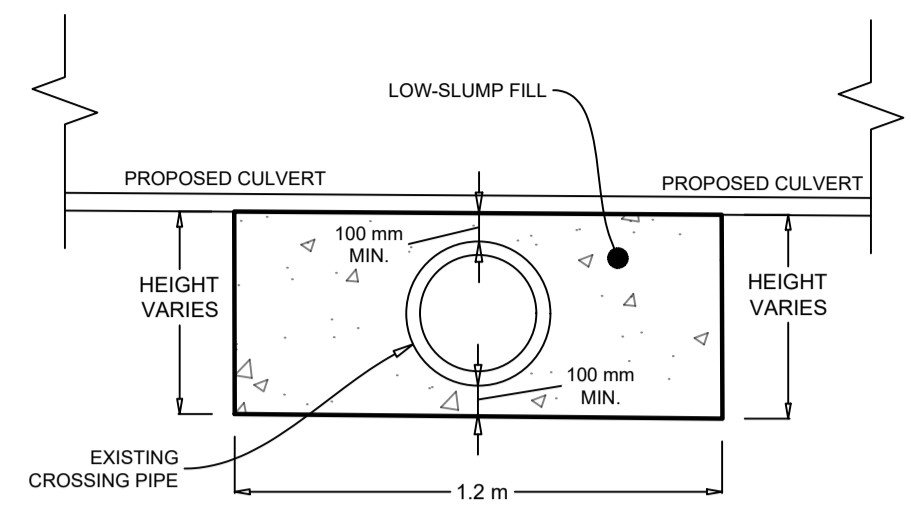
WOLFVILLE, NOVA SCOTIA

SHEET DESCRIPTION

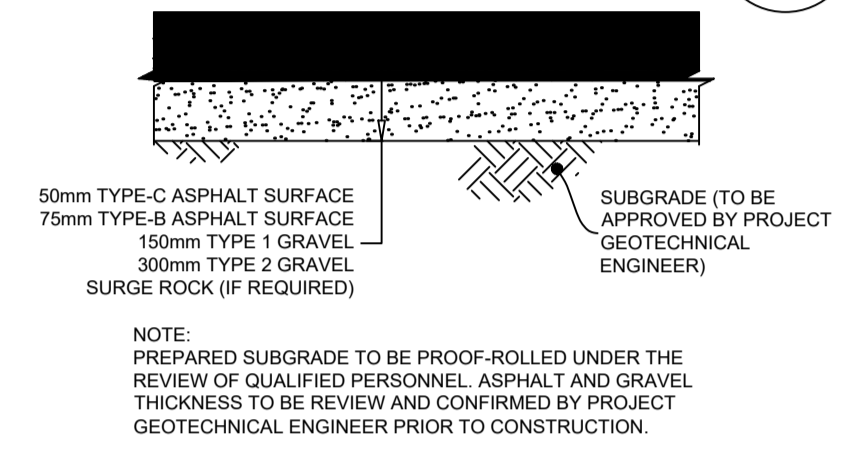
PLAN & PROFILE

Drawn H. SAMPSON	Engineer L. KING	Project No. 22-449	Drawing No. C-PP01
Scale AS NOTED	Filename 22-449_Base.dwg		1 of 2

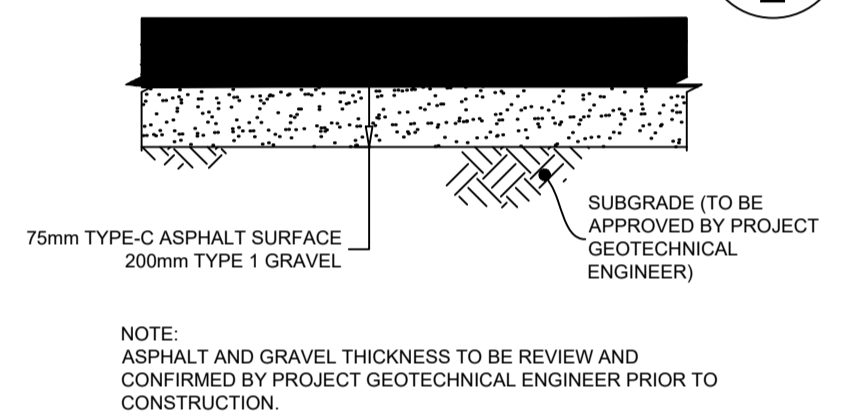
CONCRETE PIPE ENCASEMENT DETAIL A
N.T.S. 2



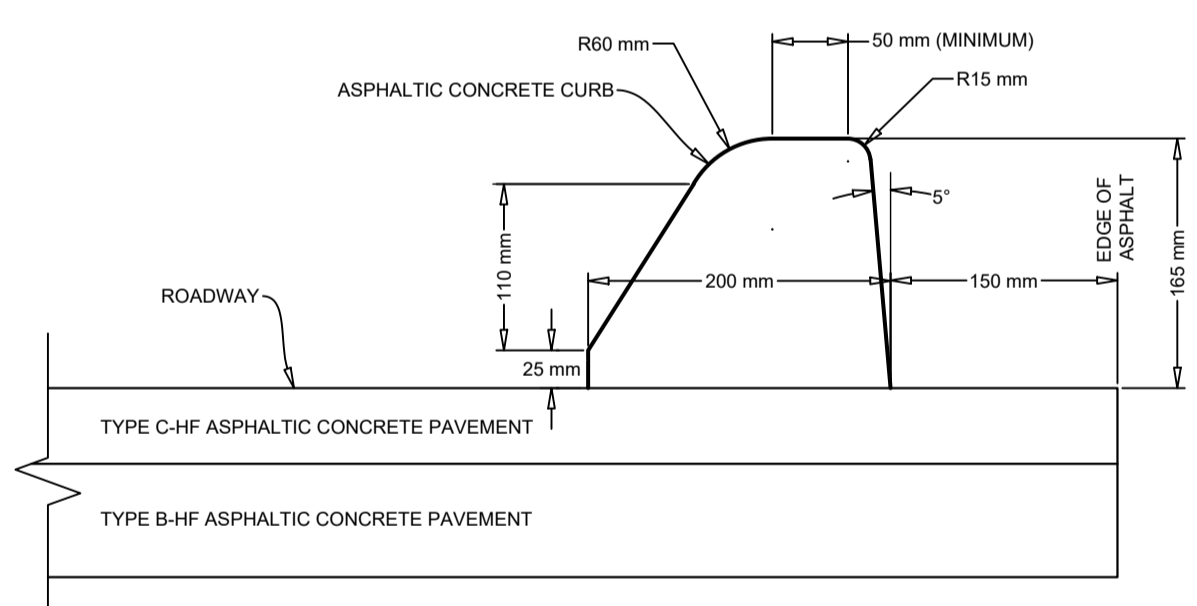
ROAD ASPHALT STRUCTURE B
N.T.S. 2



ASPHALT WALKWAY STRUCTURE C
N.T.S. 2



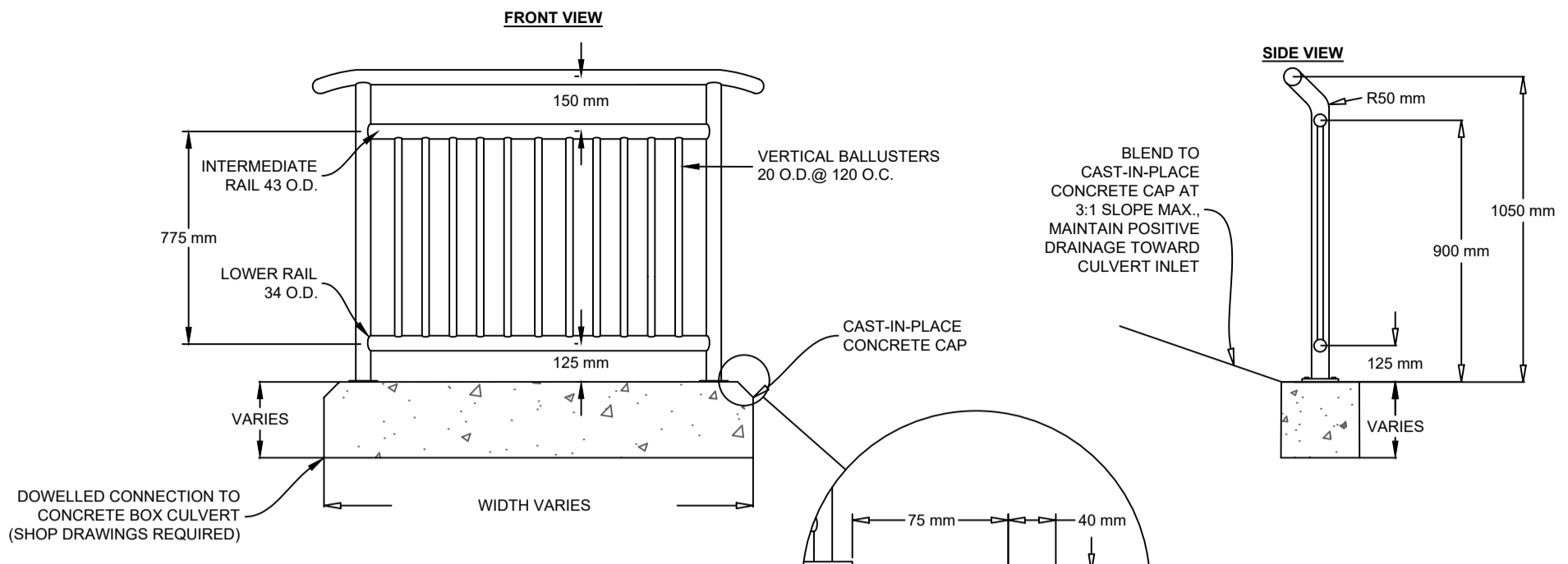
ASPHALT CURB D
N.T.S. 2



GENERAL EROSION AND SEDIMENT CONTROL NOTES:

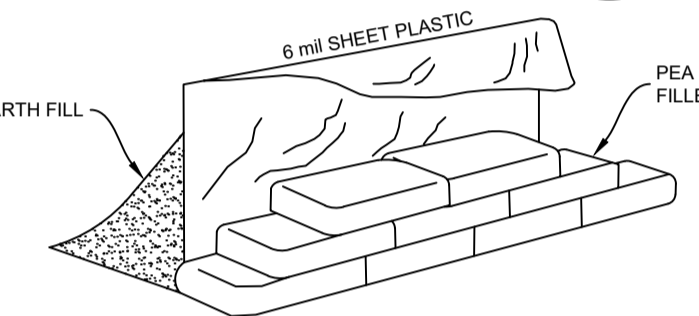
1. EXPOSED SOIL TO BE MINIMIZED AT ALL TIMES DURING CONSTRUCTION TO LIMIT SEDIMENT LADEN RUNOFF. THIS IS TO BE ACCOMPLISHED BY COMPLETING ALL WORK IN A GIVEN AREA ONCE EXCAVATION HAS BEGUN BEFORE DISTURBING ADDITIONAL SOIL. CONTRACTOR IS TO BE AWARE OF CURRENT WEATHER FORECASTS AND PLAN SOIL STABILIZATION ACCORDINGLY.
2. ALL WORKS TO BE IN ACCORDANCE WITH NOVA SCOTIA DEPARTMENT OF ENVIRONMENT REQUIREMENTS.
3. CONTRACTOR TO ACQUIRE ALL PERMITS REQUIRED TO PERFORM WORK AND TO COMPLY WITH ALL PERMIT REQUIREMENTS DURING CONSTRUCTION.
4. CONTRACTOR TO PROTECT NATURAL WATERCOURSES FROM SILT LADEN RUNOFF FROM CONSTRUCTION SITE. CONSTRUCTION PROCEDURES CAN BE FOUND IN THE CURRENT EDITION OF "EROSION AND SEDIMENTATION CONTROL HANDBOOK FOR CONSTRUCTION SITES" BY THE NOVA SCOTIA DEPARTMENT OF ENVIRONMENT.
5. CONTRACTOR TO ENSURE THAT ALL EXPOSED AREAS ARE STABILIZED PRIOR TO RAINFALL EVENTS BY CHECKING ENVIRONMENT CANADA FORECASTS (https://weather.gc.ca/canada_e.html).
6. CONTRACTOR TO PERFORM DAILY INSPECTIONS OF SEDIMENT CONTROL MEASURES AND MAKE REPAIRS AS NEEDED. ADDITIONAL INSPECTION AND REPAIR TO BE CARRIED OUT BEFORE AND AFTER ANY RAINFALL EXCEEDING 10mm. A LOG OF EACH INSPECTION AND REPAIR IS TO BE KEPT ALONG WITH A WEEKLY REPORT OF EXPOSED AREAS.
7. TRIBUTARY STORM RUNOFF FROM SITE TO BE DIRECTED INTO SEDIMENT CONTROL DEVICES DURING CONSTRUCTION.
8. CONTRACTOR TO HAVE ADDITIONAL SEDIMENT CONTROL MEASURES ON SITE INCLUDING SILT FENCE, BALED HAY, AND LOOSE HAY/MULCH TO MAINTAIN OR INSTALL CONTROL MEASURES AS REQUIRED.
9. EXPOSED SURFACES TO BE COVERED WITH HAY, MULCH, OR WOOD CHIPS TO LIMIT SEDIMENT RUNOFF.
10. TOPSOIL AND HYDROSEED TO BE PLACED ON ALL AREAS NOT FINISHED WITH ASPHALT, CONCRETE, GRAVEL, OR SOD.
11. STABILIZE ON-SITE STOCKPILES USING APPROPRIATE MEASURES (SILT FENCE, HAY, TARPS, ETC.)
12. ALL SEDIMENT CONTROL MEASURES TO BE OPERATIONAL OVER ENTIRE CONSTRUCTION PERIOD.
13. SEDIMENTATION AND EROSION CONTROL MEASURES ARE SUBJECT TO CHANGE. ADDITIONAL MEASURES MAY BE REQUIRED DEPENDING ON SITE CONDITIONS DURING CONSTRUCTION.

CONCRETE CAP WITH HANDRAIL DETAIL E
N.T.S. 2



- NOTES:
1. ALL STEEL TO BE HOT DIP GALVANIZED AFTER FABRICATION.
 2. CLEAR COVER FOR CONCRETE REINFORCEMENT SHALL BE 50 mm.
 3. SHOP DRAWINGS FOR RAILINGS TO BE SUBMITTED TO ENGINEER PRIOR TO FABRICATION.
 4. ALL MEASUREMENTS IN MILLIMETERS UNLESS OTHERWISE NOTED.
 5. ALL STEEL PIPE TO BE STANDARD WEIGHT (SCH 40) UNLESS OTHERWISE NOTED.
 6. STAINLESS STEEL FASTENERS ARE REQUIRED TO CONNECT HANDRAIL TO CONCRETE STRUCTURE.
 7. LENGTH OF RAILING SECTIONS TO BE DETERMINED BY EXTENT OF CURB.

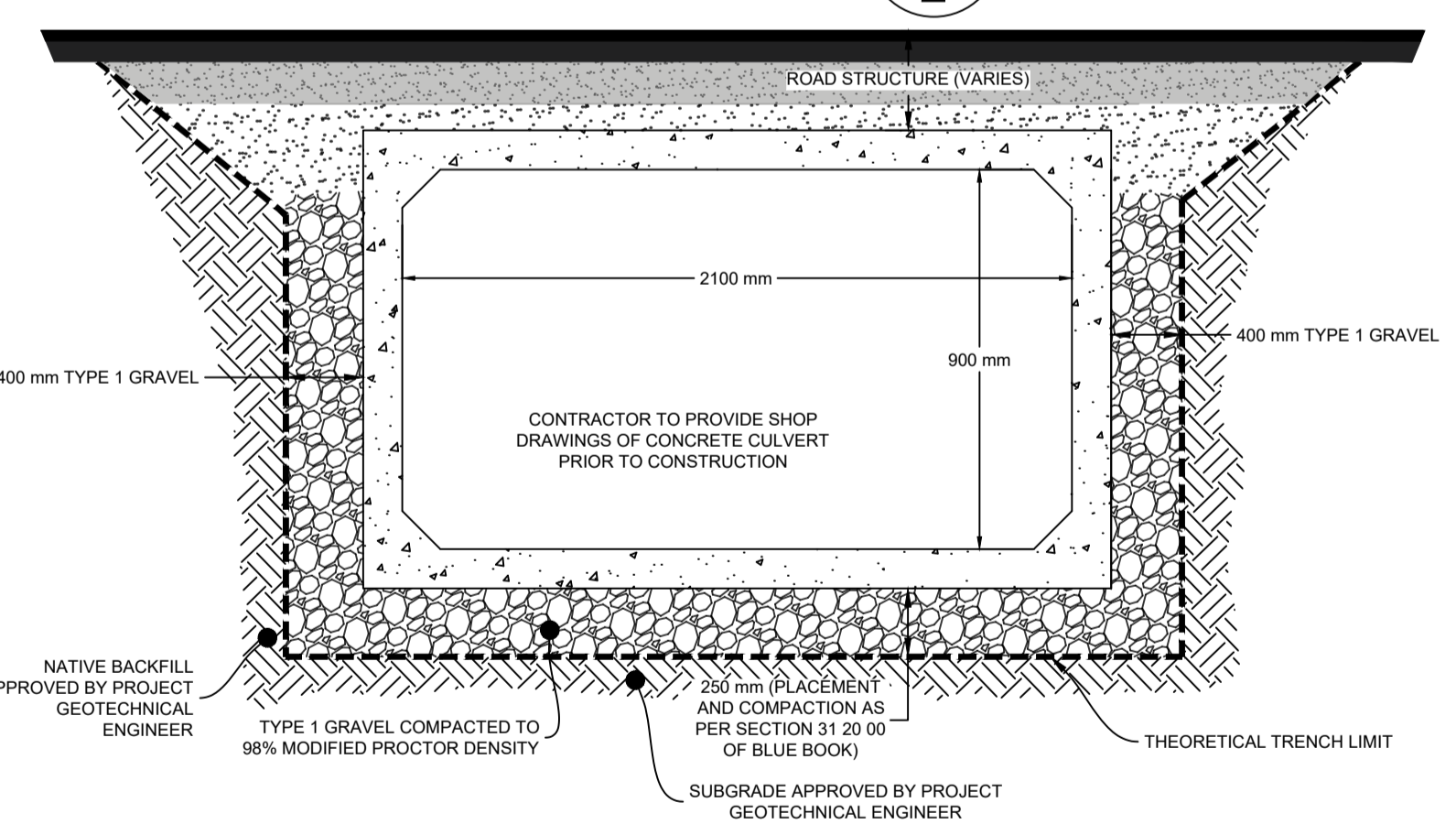
PEA GRAVEL BAG DETAIL F
N.T.S. 2



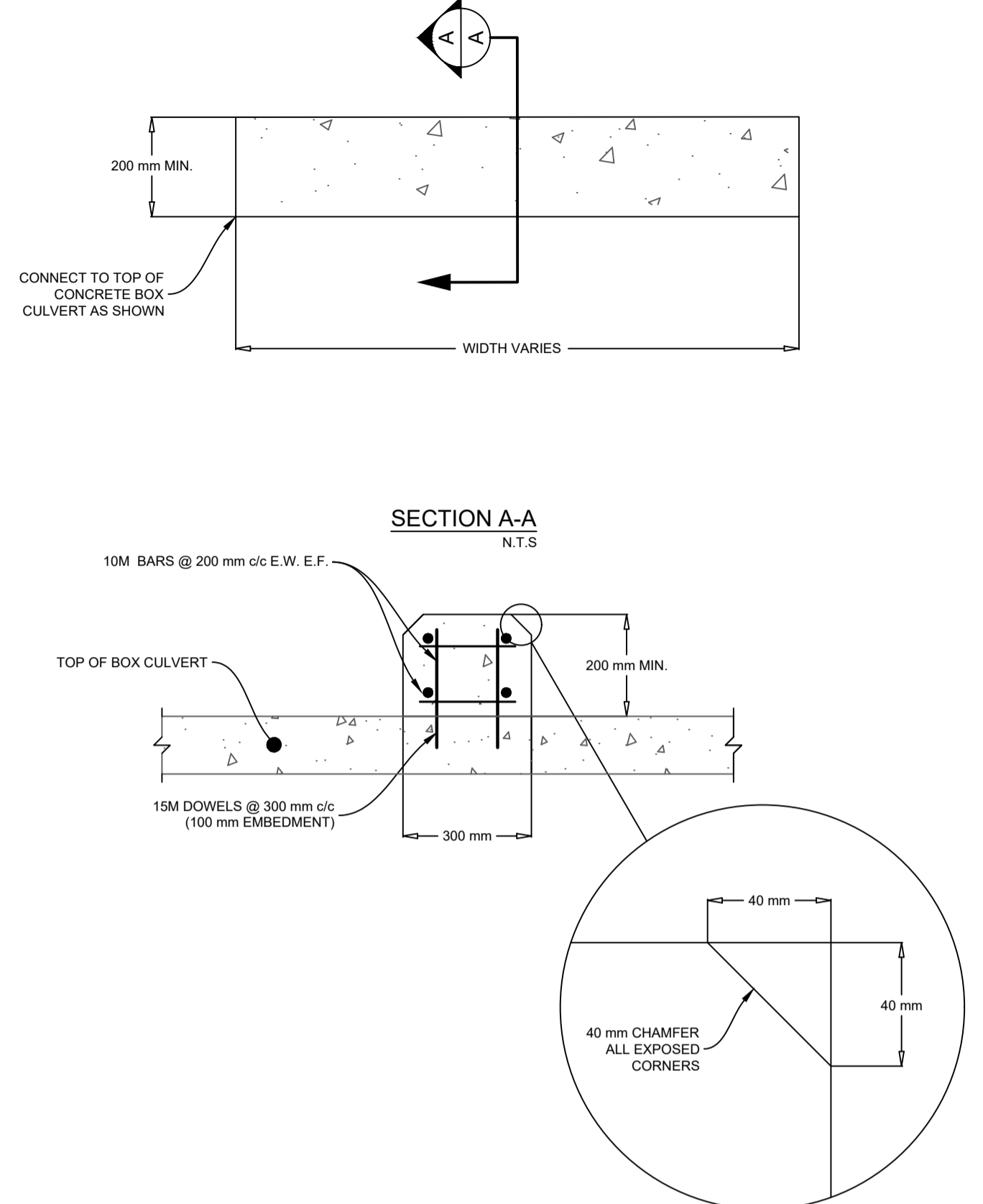
WORK PLAN FOR IN-THE-DRY SPECIFICATIONS

1. THE CONTRACTOR SHALL PREPARE A SITE SPECIFIC WORK PLAN FOR WORK IN-THE-DRY WITH EROSION AND SEDIMENTATION PREVENTION MEASURES. OUTLINING PROPOSED PROCEDURES AND EQUIPMENT TO BE USED FOR THE WORK IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS. THE WORK PLAN MUST BE REVIEWED BY THE CONSULTANT PRIOR TO COMMENCING THE WORK.
2. WORK CANNOT TAKE PLACE BELOW THE ORDINARY HIGH WATER MARK.
3. DOWNSTREAM FLOW MUST BE MAINTAINED AT ITS FULL FLOW AT ALL TIMES DURING THE COURSE OF THE WORK AND THE BED OR BANK OF THE WATERCOURSE MUST NOT BE EXCAVATED OR ALTERED.
4. COFFERDAMS MUST BE MANUFACTURED COFFERDAM SYSTEMS OR CONSTRUCTED OF BAGS FILLED WITH PEA GRAVEL FACED WITH PLASTIC AND SHEET PILING OR PLYWOOD.
5. ANY RESIDUAL WATER FROM THE WORK AREA MUST BE PUMPED INTO A TEMPORARY SETTLING POND, MANUFACTURED DEVICE OR VEGETATED AREA THAT PREVENTS SILT-LADEN WATER FROM ENTERING THE WATERCOURSE.

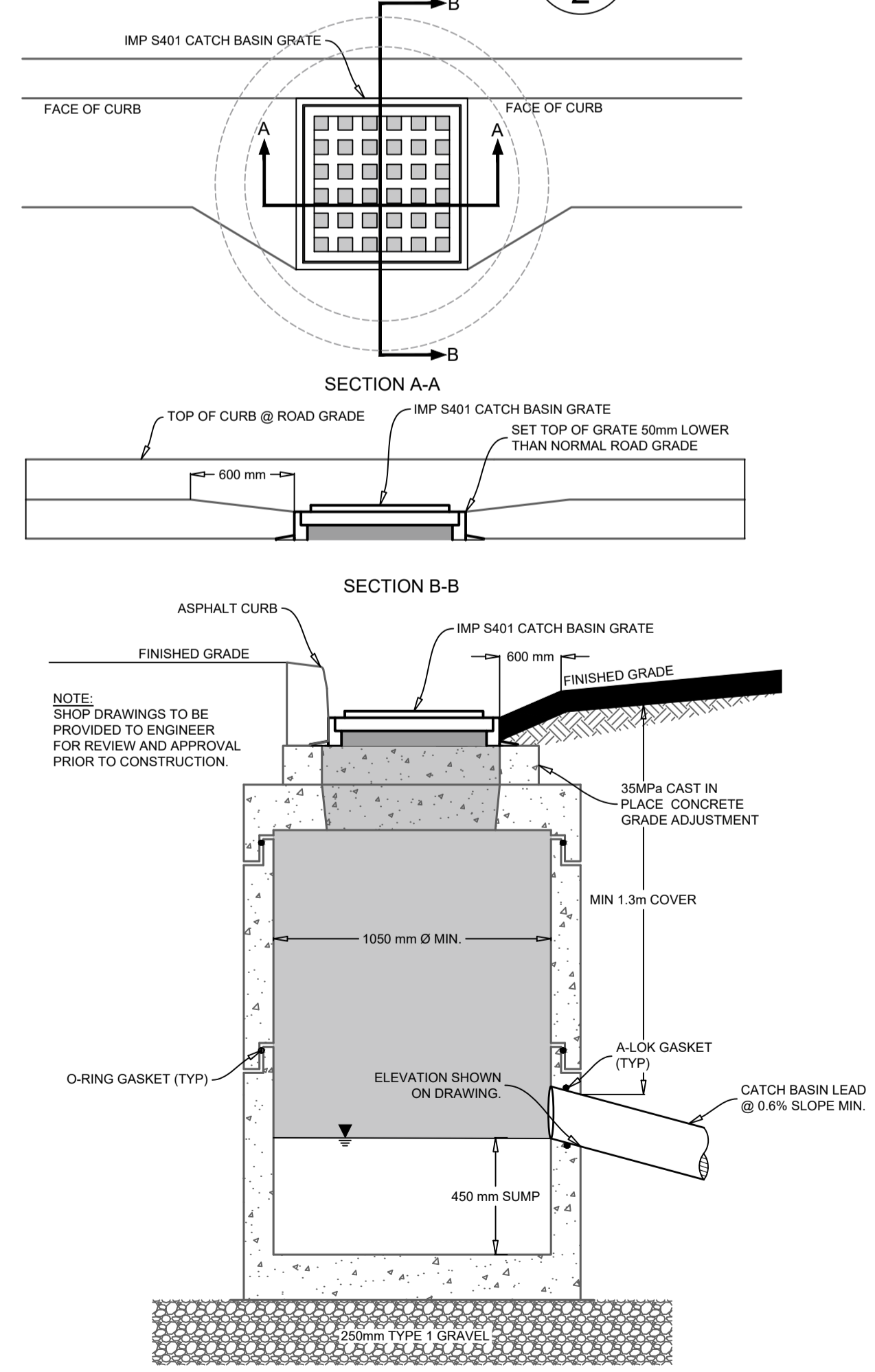
CHANNEL SECTION G
N.T.S. 2



CAST-IN-PLACE CONCRETE CAP DETAIL H
N.T.S. 2



TYP. CATCH BASIN I
N.T.S. 2



GENERAL CONSTRUCTION NOTES:

1. SAFETY IS PARAMOUNT AND THE CONTRACTOR MUST USE SAFE WORK PRACTICES IN ACCORDANCE WITH THE NOVA SCOTIA OCCUPATIONAL HEALTH AND SAFETY ACT.
2. ALL WORKS TO BE IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR MUNICIPAL SERVICES PREPARED JOINTLY BY THE NOVA SCOTIA ROADBUILDERS ASSOCIATION AND THE CONSULTING ENGINEERS OF NOVA SCOTIA (CURRENT EDITION).
3. CONTRACTOR TO NOTIFY TOWN OF WOLFFVILLE REGARDING CONSTRUCTION SCHEDULING PRIOR TO COMMENCING CONSTRUCTION.
4. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF NATURAL WATERCOURSES FROM DAMAGE DUE TO SILT LADEN RUNOFF FROM THE CONSTRUCTION SITE. ACCEPTABLE CONSTRUCTION PROCEDURES MAY BE OBTAINED FROM EROSION AND SEDIMENTATION CONTROL HANDBOOK FOR CONSTRUCTION SITES (CURRENT EDITION), BY THE NOVA SCOTIA DEPARTMENT OF ENVIRONMENT.
5. ALL DISTURBED AREAS NOT STABILIZED BY GRAVEL, ASPHALT, CONCRETE, OR SOD ARE TO BE STABILIZED WITH 100 mm TOPSOIL AND HYDROSEED. HYDROSEEDED AREAS TO BE COVERED WITH HAY/MULCH (MIN. 5000 kg/ha) HYDROSEEDED AREAS THAT DO NOT SHOW ACTIVE GROWTH WITHIN THE FIRST GROWING SEASON TO BE RE-STABILIZED.
6. MATERIALS SHALL NOT BE SUBSTITUTED UNLESS PRIOR APPROVAL IS PROVIDED BY THE ENGINEER.
7. SHOP DRAWINGS TO BE PROVIDED FOR REVIEW AND APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION.
8. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM WORKS AND TO COMPLY WITH ALL PERMIT REQUIREMENTS AND CONDITIONS.
9. LOCATIONS OF EXISTING INFRASTRUCTURE IS BASED ON BEST AVAILABLE INFORMATION, INCLUDING RECORD INFORMATION. CONTRACTOR TO CONFIRM LOCATIONS OF EXISTING INFRASTRUCTURE AND NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY. CONTRACTOR TO ALLOW A 1 WEEK REVIEW PERIOD BY THE ENGINEER.
10. CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS, SUCH AS HERITAGE GAS, NOVA SCOTIA POWER, BELL ALANT, EASTLINK, AND TOWN OF WOLFFVILLE. CONTRACTOR TO COORDINATE ALL WORK WITH THE NECESSARY UTILITIES.
11. PERMISSION FROM LANDOWNER(S) REQUIRED TO WORK ON PRIVATE PROPERTY.
12. CONTRACTOR TO NOTIFY PROPERTY OWNERS WHO WILL EXPERIENCE DISRUPTION DURING THE WORK (PROPERTY ACCESS, MUNICIPAL SERVICE LOSS, POWER/COMMUNICATION LOSS, ETC.) AT LEAST 48 HOURS PRIOR TO THE DISRUPTION.
13. ALL ELEVATIONS ARE METRIC AND GEODETIC. TOPOGRAPHICAL SURVEY COMPLETED BY DESIGNPOINT ON THE DATES OF OCTOBER 13, 2022 AND NOVEMBER 4, 2022. CONTRACTOR TO CONTACT DESIGNPOINT FOR CONSTRUCTION LAYOUT CONTROL INFORMATION 2 WEEKS PRIOR TO CONSTRUCTION.
14. DRAWINGS SUBJECT TO CONSTRUCTION APPROVAL BY THE APPLICABLE APPROVAL AGENCIES (i.e. TOWN OF WOLFFVILLE) PRIOR TO CONSTRUCTION.
15. CONTRACTOR RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES REQUIRED FOR THE PROJECT. ALL TEMPORARY TRAFFIC CONTROL MEASURES TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NOVA SCOTIA TRANSPORTATION AND INFRASTRUCTURE RENEWAL TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL AND THE LATEST EDITION OF THE TRANSPORTATION ASSOCIATION OF CANADA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR CANADA.
16. ALL TEMPORARY ROAD CLOSURES WILL REQUIRE A ROAD CLOSURES PERMIT.
17. ALL TESTING OF SEWERS TO BE IN ACCORDANCE WITH SECTION 33 31 00 OF BLUE BOOK.
18. CONTRACTOR TO BEGIN PIPE INSTALLATION AT THE MOST DOWNSTREAM LOCATION. INSTALLING TEMPORARILY ORPHANED PIPE SECTIONS IS NOT ACCEPTABLE UNLESS APPROVED BY THE UTILITY AND THE ENGINEER.
19. MAINTAIN 2.0 m OF UNDISTURBED & RETAINED SOIL AROUND ALL UTILITY POLES, AND 3.0 m AROUND ANCHORS. IF THESE CONDITIONS CANNOT BE MET, THEN THE CONTRACTOR MUST HOLD THE POLES WITH A NON-DESTRUCTIVE (NO BOLTING THROUGH POLE) POLE SUPPORT MECHANISM. THIS MUST BE AN ENGINEERED SYSTEM, AND A STAMPED ENGINEERING DRAWING MUST BE FORWARDED TO THE POLE OWNER FOR APPROVAL.

ISSUED FOR TENDER, NOT FOR CONSTRUCTION

ISSUE	DATE	DESCRIPTION
2	AUG. 22, 2023	ISSUED FOR TENDER
1	FEB. 16, 2023	ISSUED FOR 60% DESIGN

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DATE AUG 22 2023
L.A. KING
20200507
PROVINCE OF NOVA SCOTIA

DATE AUG 22 2023
G.S. WOODFORD
6078
PROVINCE OF NOVA SCOTIA

CLIENT

PROJECT DESCRIPTION

EAST MAIN STREET CROSS CULVERT REPLACEMENT

WOLFFVILLE, NOVA SCOTIA

SHEET DESCRIPTION

CONSTRUCTION NOTES & DETAILS

Drawn	Engineer	Project No.	Drawing No.
H. SAMPSON	L. KING	22-449	C-D01
Scale	Filename		
NTS	22-449_Base.dwg		2 of 2