

TENDER T-2025-30

Dark Bay Road Bridge Replacement

DATE: March 27th, 2025

ADDENDUM #2

This addendum will become part of the Tender T-2025-30

Part 1 – Revisions to Contract Documents

1. Revisions to Deadlines

To allow bidders time to review the revised documents associated with this addendum, the following revisions are being made to the tender deadlines:

Deadline for Questions: April 1st, 2025 Deadline for Addendums: April 3rd, 2025 Deadline for Submission of Tender: Tuesday, April 8th, 2025 @ 1:00 pm

2. Contract Drawings

A revised set of Contract Drawings has been appended to this Addendum to reflect the changes outlined in Addendums #1 and #2. Contractors should take note of the revisions to the culvert excavation and backfill envelope as this has been updated to reflect CHBDC standards.

3. Special Provisions

The Special Provision for Item #4 has been updated to clarify the material requirements for culvert backfill. There has also been a section added to outline the requirements for Shop Drawing submissions. A revised Page E-6 has been appended to this Addendum.

Part 2 - Questions Received

Q1. Minimum required height of cover according to CHBDC is 900 mm, while a height of cover of approximately 600 mm seems to be shown in the tender drawings (Drawing C2). Please clarify.

R1. The structure cover has been revised to 900 mm. A revised set of Contract Drawings is being issued with this addendum.

Q2. On the elevation view of Drawing C2, clear stone is indicated as a potential bedding material. Shop drawings for the pipe arch structure would not specify clear stone for 300 mm of depth below the pipe arch structure.

R2. The intent is to use compacted granular 'A' for bedding material. Clear stone is only to be utilized at the discretion of the Contract Administrator if completely dry conditions cannot be achieved.

Q3. If Granular 'B' Type II is planned for backfill around the pipe arch, the material may not meet the requirements set out on the shop drawings. Also, "Granular 'B' Type II" is mentioned in the drawings and "Granular B" is in the tender document under Item No. 4, which may be a discrepancy

R3. In the case of discrepancies for backfill material properties between the Contract Drawings and submitted Shop Drawings, the Contract Drawings will govern. Embedment, cover and backfill material is to be Granular B Type II with 100% passing the 26.5 mm sieve as per OPSS 401.

Q4. With the newly imposed US Tariffs and reciprocating Tariffs from Canada, and subsequent CDN dollar uncertainty, it is difficult for suppliers (thus contractors) to anticipate when and to what degree, material price increases will arrive on various materials. Many material suppliers are now implementing a 15 or 30 day price validity on their quotes. With the time frame from tender closing to receiving a Contract typically 5-8 weeks, can you please advise contractors how they would be reimbursed on Tarriff related price increases from suppliers, perhaps an allowance added to Contract?

R4. To address the above, the Township is intending to accelerate the Contract award process and issue an award letter by end of day April 17th. Additionally, upon receipt of all required submissions from the successful bidder, contract execution will occur within 2 business days.

(A signed copy of this addendum must be included in Tender submission and shall be acknowledged and listed under Part III – Form of Tender Section 1.1 of the Tender)

I /WE hereby acknowledge receipt of this addendum.

(Signature of Contractor)

(Company Name)

PLEASE SIGN AND INSERT WITH TENDER SUBMISSION

on the roads during the winter months that all soils are considered to be Table 2 soil and excess material is to be used for slope flattening as identified in the Slope Flattening Special Provision. No excess material is to be disposed of on residential and or farmland unless the Contractor Tests the soil and it is deemed to be acceptable for disposal on the preceding i.e. Table 1 soils. Any cost associated with testing and disposal shall be at the contractors expense and no additional cost shall be borne by the Township.

*Note at no time shall the Contractor place fill excavated from this project in or around environmentally sensitive areas, wetlands or on private property not suitable for table 2 soils.

Basis of Payment: Payment for the above item shall be by lump sum and shall be full compensation for all labour, material and equipment required to complete the work.

Item No. 4 Supply & Install 5050 mm W x 3330 mm H Polymer Laminate CSP Arch Culvert

The work under this item shall require the Contractor to install a new 5050 mm wide x 3300 mm high polymer coated CSP arch culvert. The wall thickness for this culvert shall be 4.0 mm. Supply, delivery and installation are to be included under this item. Installation of the culverts shall conform with the supplier's specifications, applicable OPSS standards including OPSS 401, 421, 1801, and as per the Contract Administrator's directions. The Contractor shall be responsible for protecting and repairing the polymer coating during installation as per the manufacturer's recommendations.

The Contractor shall be required to submit shop drawings for Contract Administrator review at least 2 weeks prior to construction. The shop drawings shall confirm that the pipe culvert was designed in accordance with the Canadian Highway Bridge Design Code.

Additionally, this item shall be inclusive of all bedding, pipe embedment material and backfill as depicted on the Contract Drawings. Bedding material shall be Granular A except where use of clear stone is permitted by the Contract Administrator. Embedment, cover and backfill material shall be Granular B Type II with 100% passing the 26.5 mm sieve as per OPSS 401.

Granular B Type II supply, placement and compaction for the frost taper up to the underside of Granular B Type II road base material shall be included under this item.

Basis of Payment: Payment at the contract price for the above tender item shall be full compensation for all labour, equipment and material required to do the work, including charges for delivery, offloading, construction of lay down area and assembly of the culvert. Measurement for payment shall be by lineal meter measured along the centerline of the culvert.

Item No. 7 R10 Rip Rap with Geotextile (Class II Non -Woven)

The work under this item shall include all labour, equipment and materials to install R10 Rip Rap with Class II Non-Woven Geotextile, Rip Rap Stone shall be hand placed at a

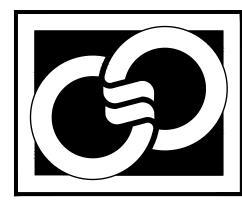
DARK BAY ROAD BRIDGE REPLACEMENT TOWNSHIP OF MUSKOKA LAKES, ON



<u>LIST OF DRAWINGS</u>

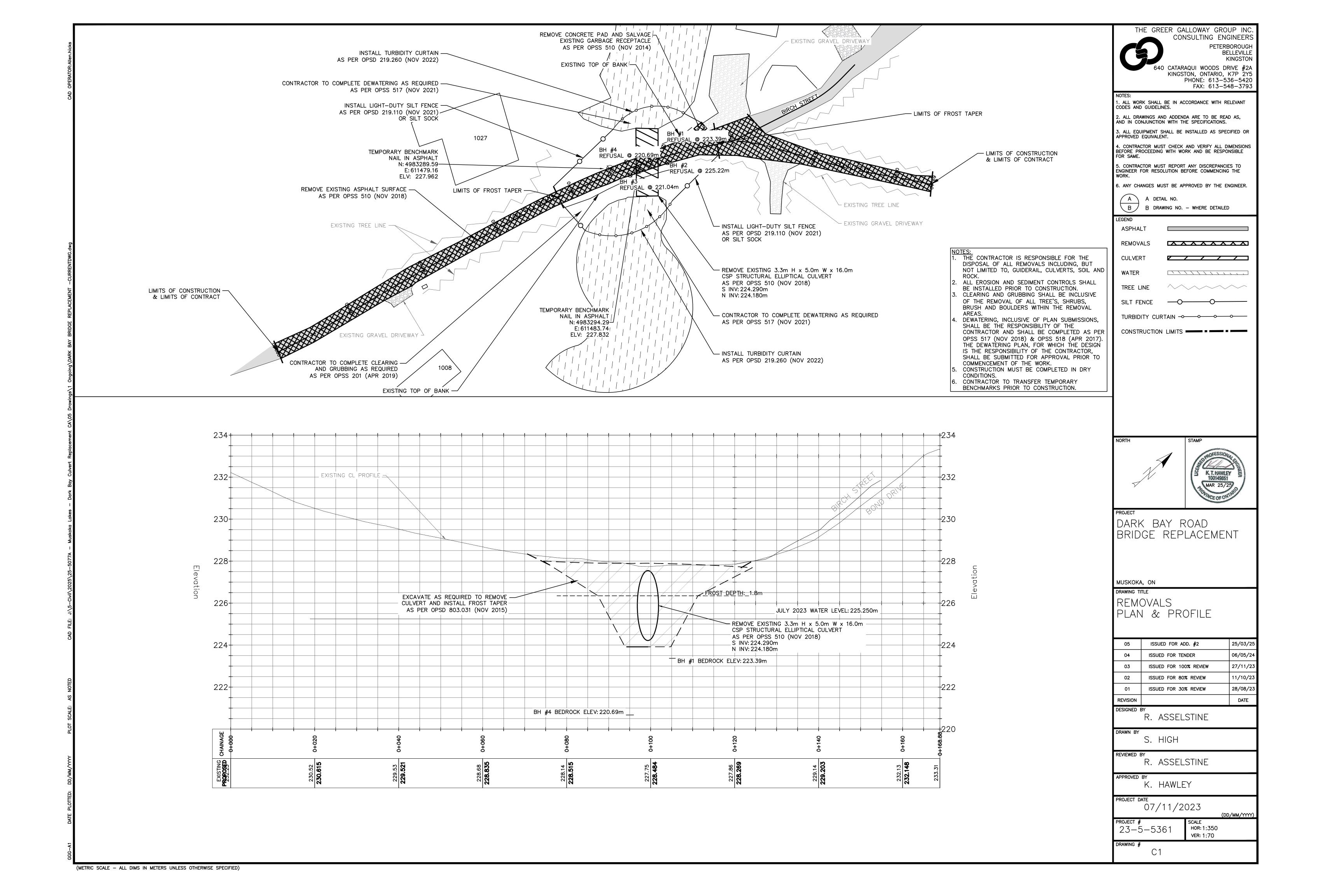
- CO COVER
- C1 REMOVALS PLAN & PROFILE
- C2 NEW CONSTRUCTION PLAN & PROFILE
- D1 DETAILS

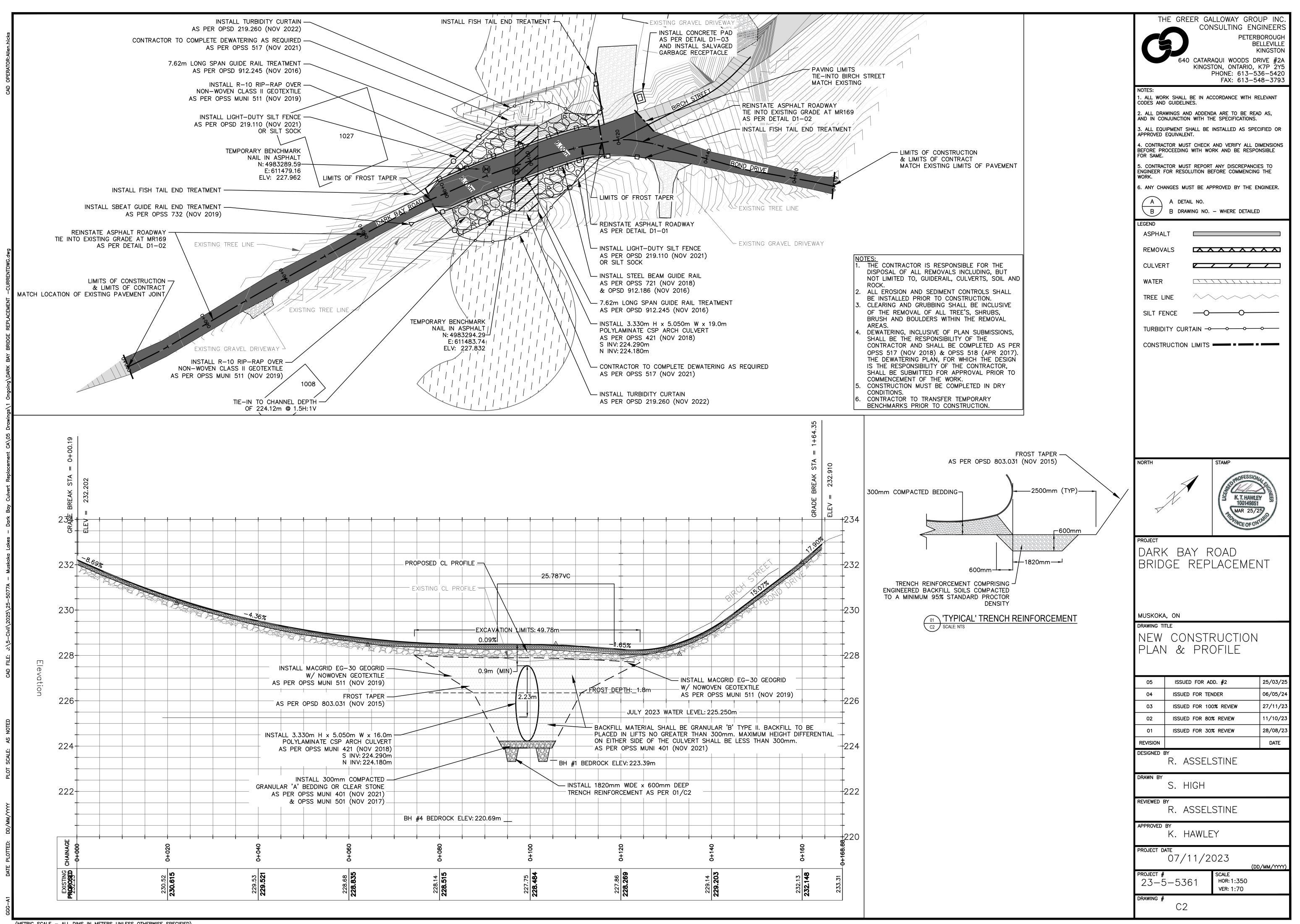
THE GREER GALLOWAY GROUP INC. CONSULTING ENGINEERS



PETERBOROUGH BELLEVILLE KINGSTON

640 CATARAQUI WOODS DRIVE, UNIT 2A KINGSTON, ONTARIO K7P 2Y5 PHONE: (613) 536-5420





(METRIC SCALE - ALL DIMS IN METERS UNLESS OTHERWISE SPECIFIED)

	GENERAL	
sks	1. All works to be installed in accordance with	
n.hic	current Township of Muskoka Guidelines,	
::Alle	Canadian Highway Bridge Design code, and Ontario Provincial Standard Specifications and	
ATOR	Drawings unless specified otherwise.	50 mm HL4 SURFACE COURSE —
CAD OPERATOR:Allen.hicks	2. Prior to construction, Contractor to verify all	AS PER OPSS 310 (NOV 2017)
0	dimensions, culvert inverts and utility locates	0.5m
S	and identify possible conflicts.3. All environmental protection measures are the	
	responsibility of the contractor.	
	4. Any traffic signs or information signs	4%
	removed/damaged during construction are to be	
	replaced at the contractors costs. 5. All utility poles to be braced as necessary.	
	6. The location of utilities is approximate only, and	
	the exact location should be determined by	
	consulting the municipal authorities and utility	
	companies concerned. The contractor shall prove the location of utilities and shall be	150 mm GRANULAR 'A' BASE
	responsible for adequate protection from	AS PER OPSS 314 (NOV 2019)
	damage during construction.	& OPSS 501 (NOV 2017)
	TRAFFIC CONTROL	300 mm GRANULAR 'B' TYPE II S
	1. All traffic control/pedestrian signing as per OTM.	AS PER OPSS 314 (NO
	2. A full road closure is acceptable during	
	weekends in accordance with SP.	
	GRADING	
S.dwg	1. Finished surfaces shall be at a minimum grade	
	of 2% unless otherwise noted.	
REN	2. Slopes in landscaped areas shall not exceed	TIE INTO EXISTING SLOPE
CURI	3H:1V.3. All existing elevations and grades are to be	
	verified by the contractor prior to grading	-0.5m
MEN	4. Utilities are to be located prior to construction	
BRIDGE REPLACEMENT	5. All ground surfaces shall be graded to prevent	150 mm GRANULAR 'A' SHOULDER
KEPL	ponding and without low areas except where	AS PER OPSS 314 (NOV2019)
ы	approved swale or catchbasin outlets are provided.	& OPSS 501 (NOV 2017)
i RIDC	6. The contractor is responsible for reviewing	
	proposed grades with conflicts regarding the	150 mm GRANULAR 'A' BASE
B	proposed structures.	AS PER OPSS 314 (NOV 2019)
DAR	7. Sub-grade shall be graded at a minimum of 3%,	& OPSS 501 (NOV 2017)
]∕ 6u	until a lower ditch is encountered an existing surface that has positive drainage away from the	
Ongoing\DARK BAY	roadway.	300 mm GRANULAR 'B' TYPE II SUBBASE
	-	AS PER OPSS 314 (NOV 2019)
Drawings\1	SITE WORKS	
rawir	 Where in earth subgrade compacted granular depths to be 150 mm Granular A and 300mm 	TYPICAL' ROAD REI
D ۵	Granular B. Provide 3% crossfall on subgrade.	D1 SCALE: NTS
CA\05	2. All disturbed areas to be remediated with 100	
	mm topsoil and seed as per OPSS 802 & OPSS	
eme	804.	မို့ Pipe
Replacement	SEDIMENT AND EROSION CONTROL NOTES	Type 1 and 2 soil Type 3 and 4 soil
	1. All erosion and sediment controls shall be	Profile grade
Culvert	installed prior to construction and monitored and	$d = \frac{1}{1 - \frac{1}{1$
	maintained by the Contractor throughout the construction process, until all disturbed areas	k=f backfill Limit of
Bay	have been re-vegetated then the temporary	Frost toper, Note
Dark	sediment and erosion control measures must be	Frost penetration line Note 1 Note 3
1	removed once the site has been	- Frost susceptible material, Typ Bedding grade -/ - Edge of pipe
Lakes	stabilized/completed of site works. 2. All erosion and sediment control measures shall	
	be inspected after prior to and after each rainfall	RIGID AND FLEXIBLE PIPE
Muskoka	to the satisfaction of the Contract Administrator.	
Mus	3. Any disturbed areas not scheduled for further	NOTES: LEGEND:
 ∢	construction within forty-five (45) days will be provided with a suitable temporary mulch and	1 Pipe embedment or bedding, cover, and backfill shall be according to: d - depth of roadbeda) Flexible OPSD 802.010, 802.013, 802.014, k - depth of frost tre
1770	seed cover within seven (7) days of completion.	802.020, 802.023, and 802.024. b) Rigid - OPSD 802.030, 802.031, 802.032, 802.033, 802.034, * - Type 3 soil
5-5	4. Regardless of site specific items detailed on the	802.050, 802.051, 802.052, 802.053, and 802.054. 2 Condition of frost treatment symmetrical about ** - Type 4 soil
J:\5-Civil\2025\25-5077A	plans, the Contractor shall install erosion control	centreline of pipe. 3 Frost tapers shall start at the intersection of the 1H:1V
202	measures to suit the proposed work methods to	or 3H:1V slope and the frost penetration line.
\ivil\	control sediment from running off the site prior to any disturbance.	A Soil types as defined in the Occupational Health and Safety Act and Regulations for ONTARIO PROVINCIAL STANDARD DRAWING
5-0	5. Following construction, disturbed areas, as well	Construction Projects.
	as proposed grassed and vegetated surfaces,	FROST PENETRATION LINE BETWEEN
FILE:	shall be reinstated as soon as practical.	TOP OF PIPE AND BEDDING GRADE
CAD F	All roads used to access the site shall be kept clean to the satisfaction of the Director of Public	· · ·
0	Works.	
	7. Dewatering shall be completed as per OPSS	
	517. The Contractor shall submit a plan for	Type M SBGR, Note 8 Long span treatment length = 15.24m
	approval by the Contract Administrator prior to	1905mm, Typ-+
	dewatering. Any permits required for dewatering shall be obtained by the Contractor prior to	
NOTED	proceeding with the work.	1 2 3 1 4 5 6 PLAN
AS N		FLAN 3810mm_,
		SBCR splice
SCALE:		
0,		Outside of circular
PLOT		or elliptical culvert
		Outside of rectangular culvert $rac{-}{}$
		NOTES: ELEVATION
≿		shall be according to OPSD 912.125.
DD/MM/TT		be 140mm wide x 360mm long x 305mm deep. 3 Wooden posts dressed dimensions shall be 140mm wide x 1829mm
VW/		long x 184mm deep. 4 Mounting height to top of steel beam rail shall be measured
DO		vertically at face of rail. 5 Drive 16D double head nail through post and offset block.
ä		6 The centre of the top hole shall be in line with the ground surface.
PLOTTED:		8 Type M SBGR includes Type M20 and Type M30. The minimum length of Type M SBGR to be installed upstream and downstream of the
ᆸ		long span treatment shall be 19.05m. 9 Distance from face of rail to inside face of culvert headwall shall POS
DATE		not be less than 900mm.
		more than 50mm above the ONTARIO PROVINCIAL STANDARD DRAWING
		GUIDE RAIL SYSTEM, STEEL BEAM A System configuration meets AASHTO MASH TL-3. GUIDE RAIL SYSTEM, STEEL BEAM TYPE M - 7.62m LONG SPAN TREATMENT
-A1		B All dimensions are in millimetres unless otherwise shown.
GGG-A1		
-	(METRIC SCALE – ALL DIMS IN METERS UNLESS OTHERWISE SPECIFIED)	+

