Township of Wellington North

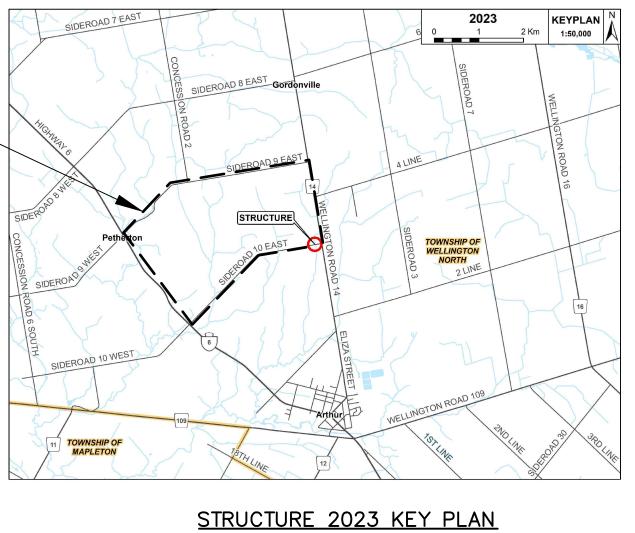


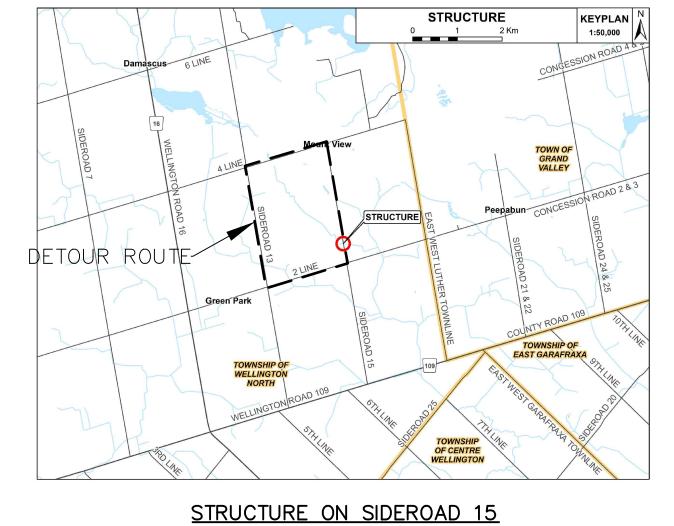
REPLACEMENT OF STRUCTURE 2023 AND CULVERT ON SIDEROAD 15

BMROSS Project No. BR1515 and BR1516 Contract No. RFT 2024-006



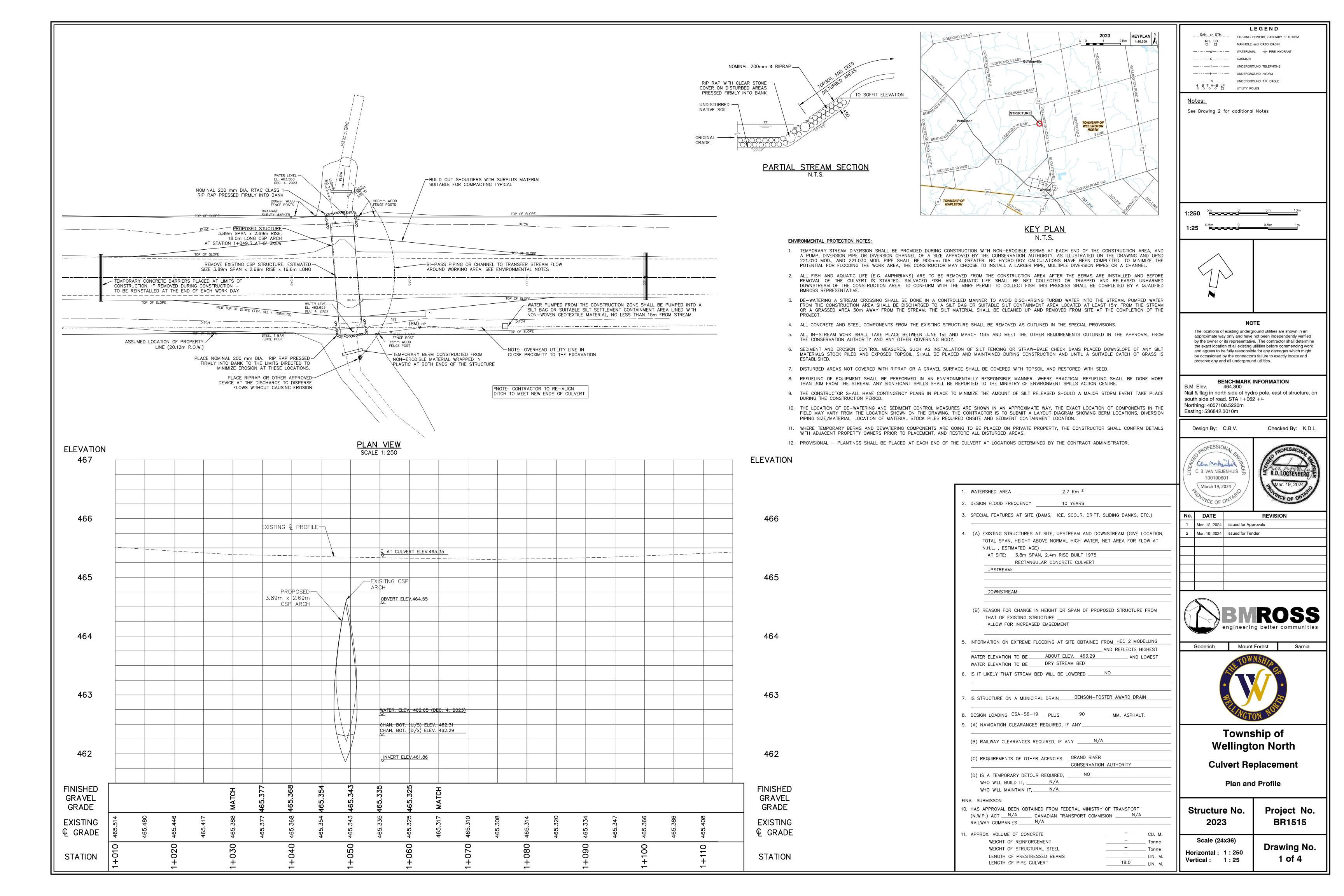
Structure 2023 and Culvert on Si	deroad 15
Description	Drawing
Structure 2023 — Plan & Profile	1
Structure 2023 — Details	2
Culvert on Sideroad 15 — Plan and Profile	3
Culvert on Sideroad 15 — Details	4

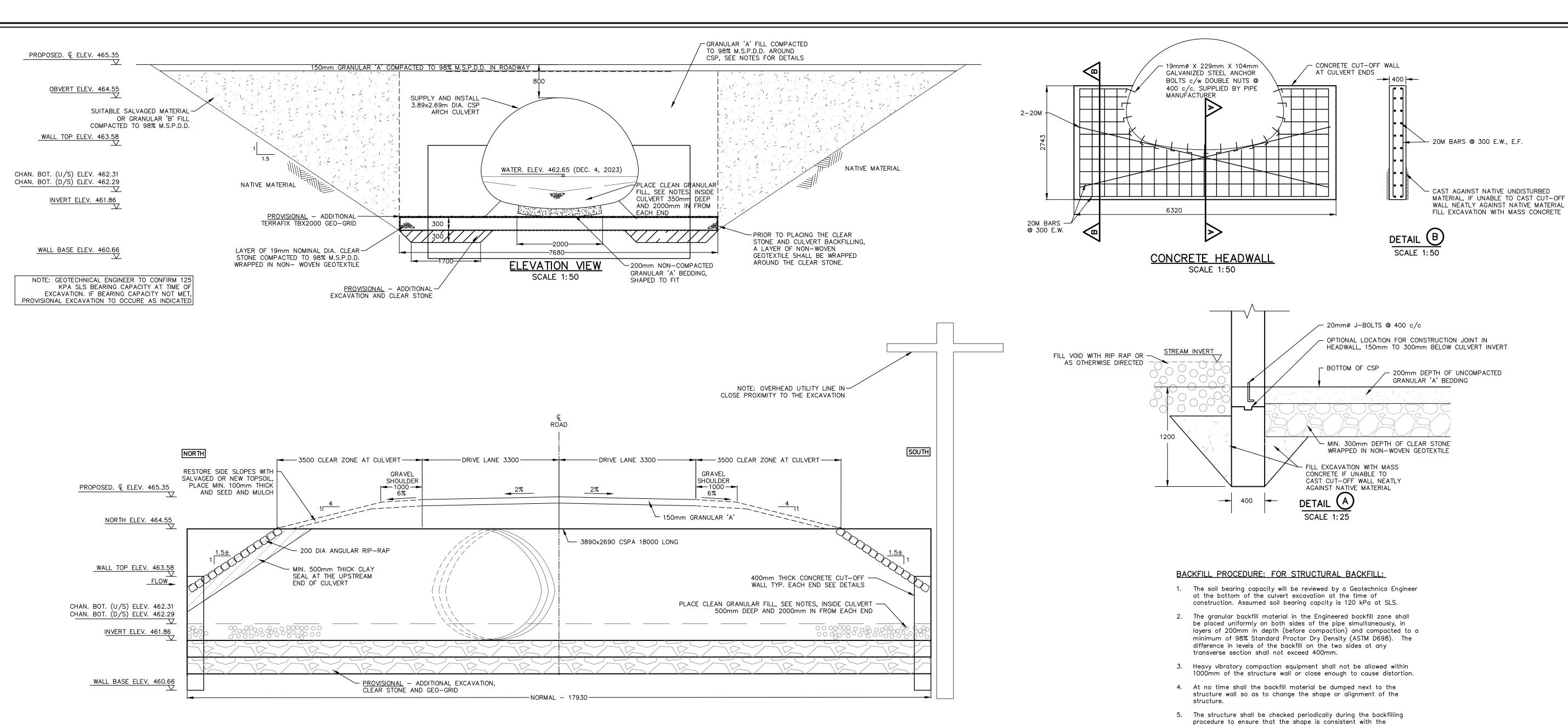




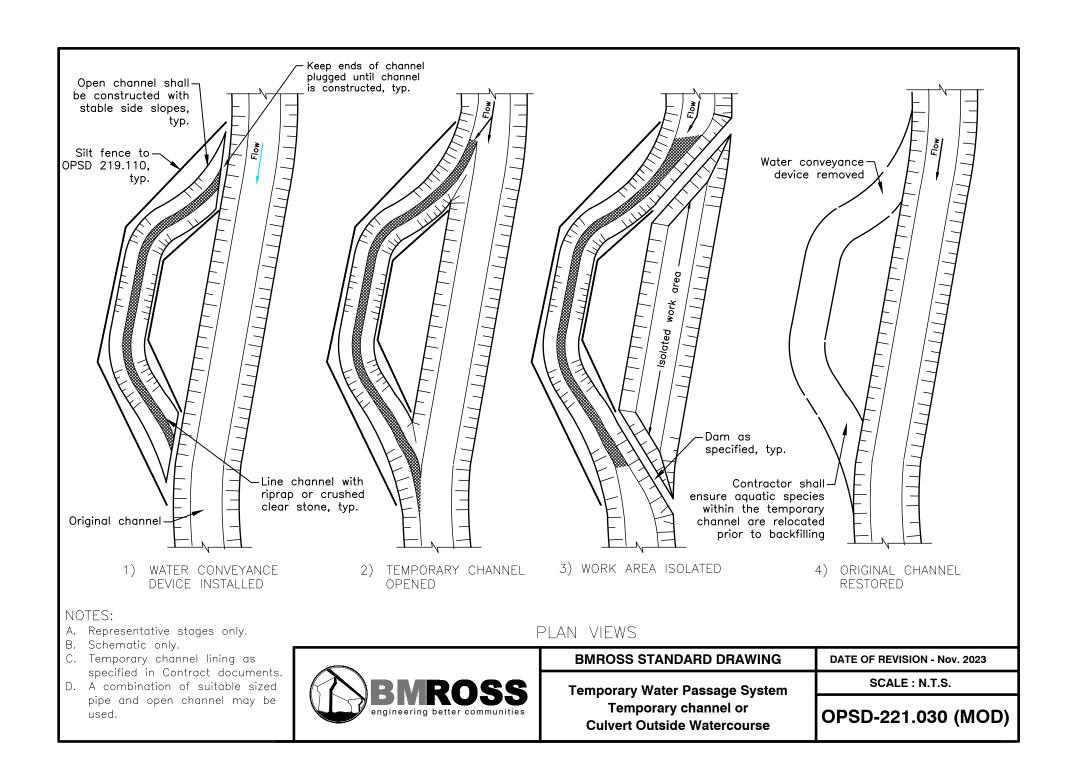
Issued for Tender Mar. 19, 2024

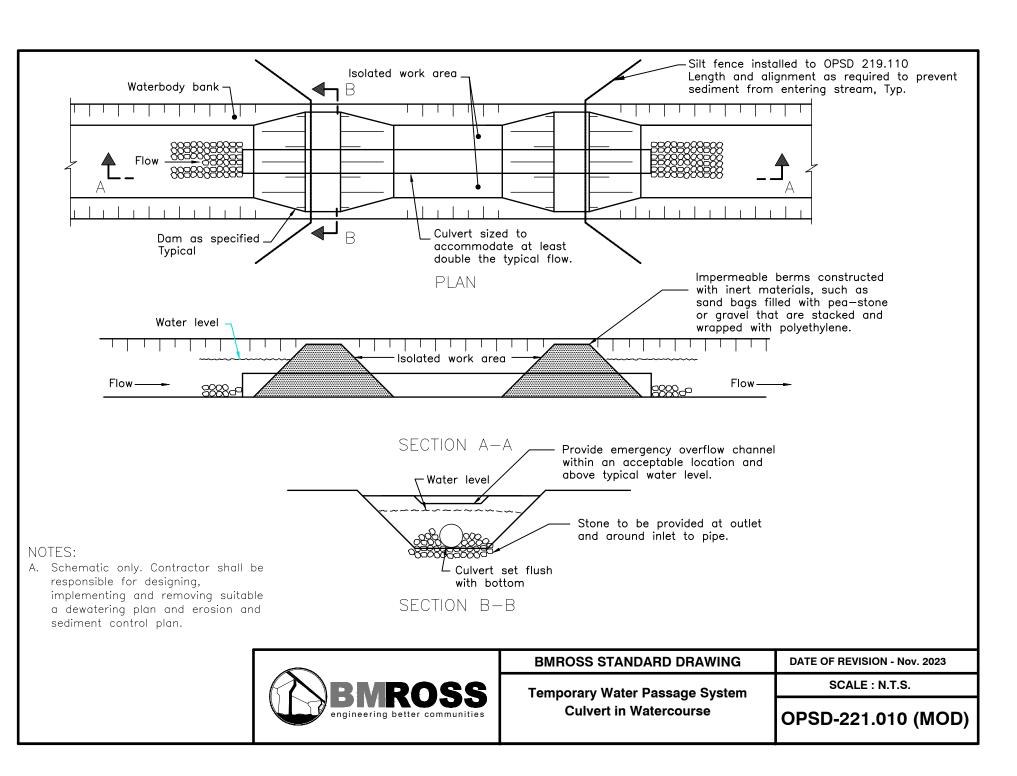






PROPOSED CROSS SECTION





NOTE

1. Placement and backfill of culvert to be in accordance with Division 9 of the Ontario Provincial Standard Specifications and pipe manufacture's instructions.

Structural backfill to be granular 'A' compacted to 98%

2. Riprap shall be RTAC class 1 (nominal 200mm diameter).

3. Concrete: CSA A23.1 Exposure Class C-1 (35MPa).4. Structure design to conform with Canadian Highway

 Structure design to conform with Canadian Highway Bridge Design Code CSA—S6—19 with design for a minimum of 650mm of fill and maximum of 1200mm o fill.

Culvert to be 3890 span by 2690 rise galvanized CSP pipe arch; wall thickness 3.5mm; corrugation 125mm x 25mm with square ends and satisfying CSA Standard G401.

E.F. — denotes each face
T&B — denotes top and bottom
I.F. — denotes inside face
O.F. — denotes outside face

O.F. — denotes outside face
300— denotes spaced at 300 centers

Seed mix shall be either roadside mix as spec

Seed mix shall be either roadside mix as specified by the MTO of a seed mix that is accepted by the Contractor as an accepted alternative.

Suitable granular and fill material salvage from the

existing road shall be salvaged and re—used for fill along

the shoulder widening.

Compaction testing will be coordinated by Contract

Administrator and paid for by the Owner.

O. Granular fill placed inside the culvert shall be either clean granular 'B' material with a minimal amount of sand and fine material, and a high percentage of larger stones, up to 200mm dia. or clear stone mixed with a layer of 200mm dia. rip rap on top. Alternative material would

11. Non-woven geotextile shall be Terrafix 270R or accepted

have to be approved by the Conservation Authority.

12. Bar Lap Information

15M Bar — 520mm 20M Bar — 690mm

3. Reinforcing steel to be Grade 400, pre—bent at suppliers plant.

14. Chamfer all exposed corners 25mm.

 Cover to reinforcing steel 70mm ± 20mm except where noted otherwise.

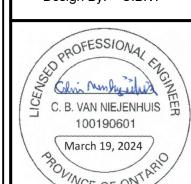
16. Cross section elements and roadside designed as per Transportation Association of Canada (TAC) Geometric Design guide for Canadian Roads.

17. The contractor shall conduct environmental analysis of 4 soil samples and provide the results to the contract administrator. Contractor to provide completed OPSS 180

1:50 1m 0 1m 2m

1:25 0.5m 0 0.5m 1m

Design By: C.B.V. Checked By: K.D.L.



manufacturer's tolerances. Place and compact the backfill over the top of the structure (Above 3/4 of the rise) using light equipment

6. No equipment shall be allowed over the structure that would exceed

 The pipe supplier shall provide notice if any detail, dimension, or note on the drawing conflicts with their preferred methods.

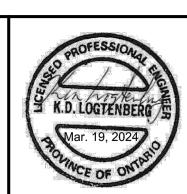
to allow their product to meet Bridge Code Requirements.

2. The pipe supplier shall provide notice if any changes are required to

perpendicular to the longitudinal axis of the structure.

the design live load.

PIPE SUPPLIER:



No.	DATE	REVISION
1	Mar. 12, 2024	Issued for Approvals
2	Mar. 19, 2024	Issued for Tender





Township of Wellington North Replacement of Culvert No. 2023

Details

Contract No. RFT 2024-006	Project No. BR1515
Scale (24x36)	D N.
As Shown	Drawing No.

2 of 4

