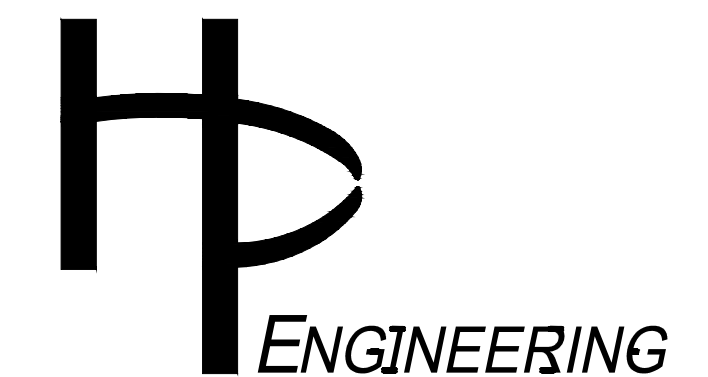
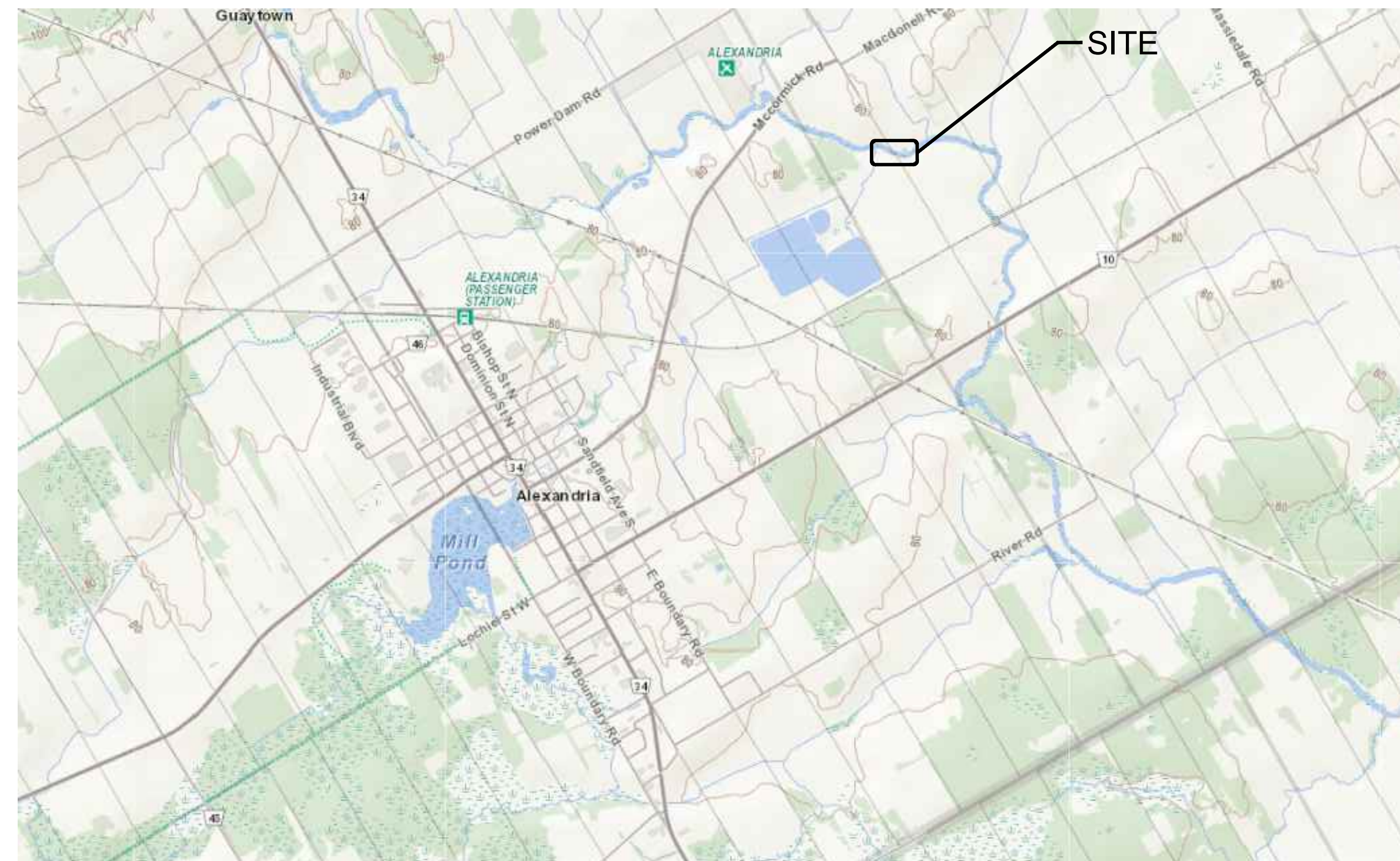
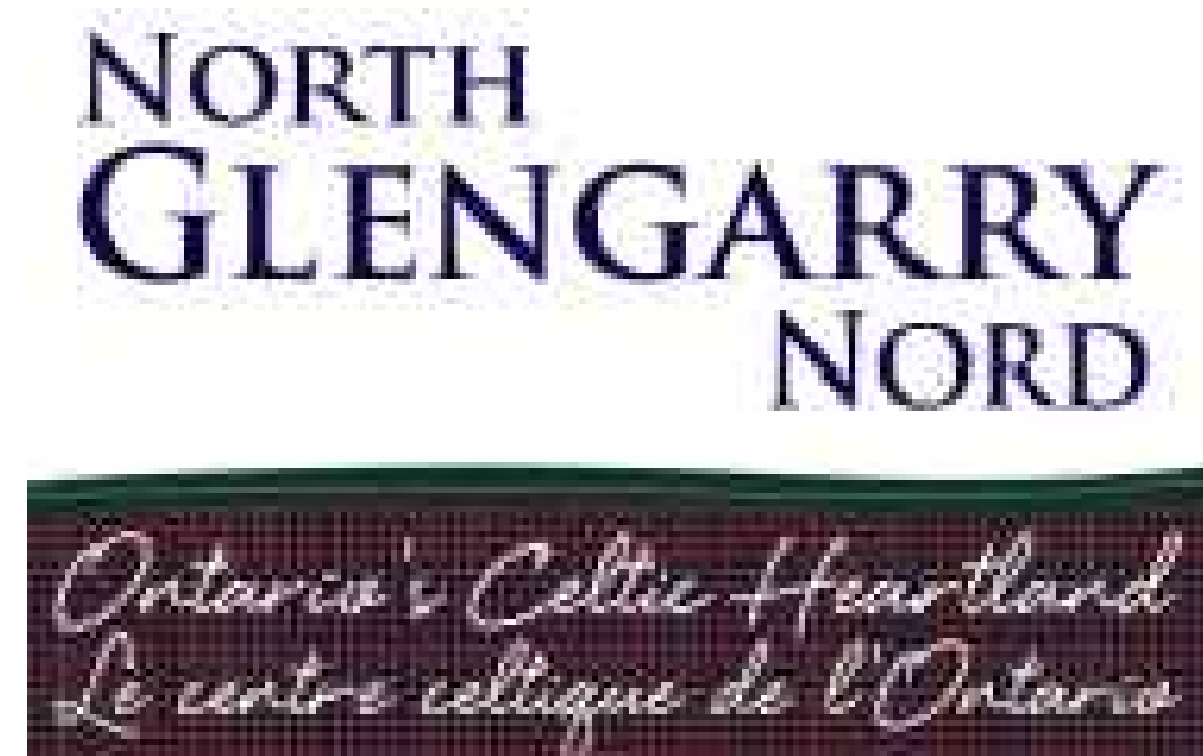


ISSUED FOR TENDER
(AUGUST, 2026)

TOWNSHIP OF NORTH GLENGARRY

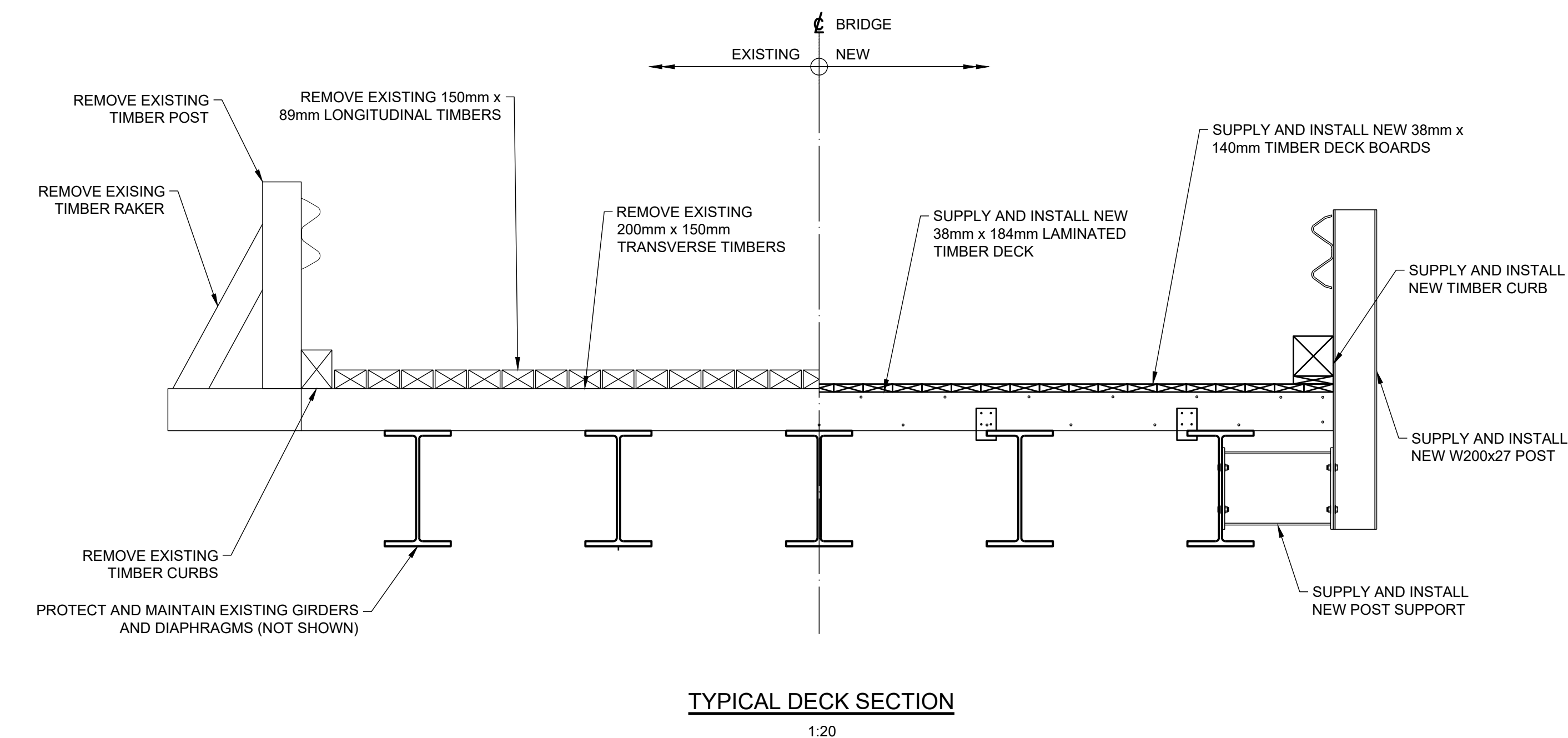
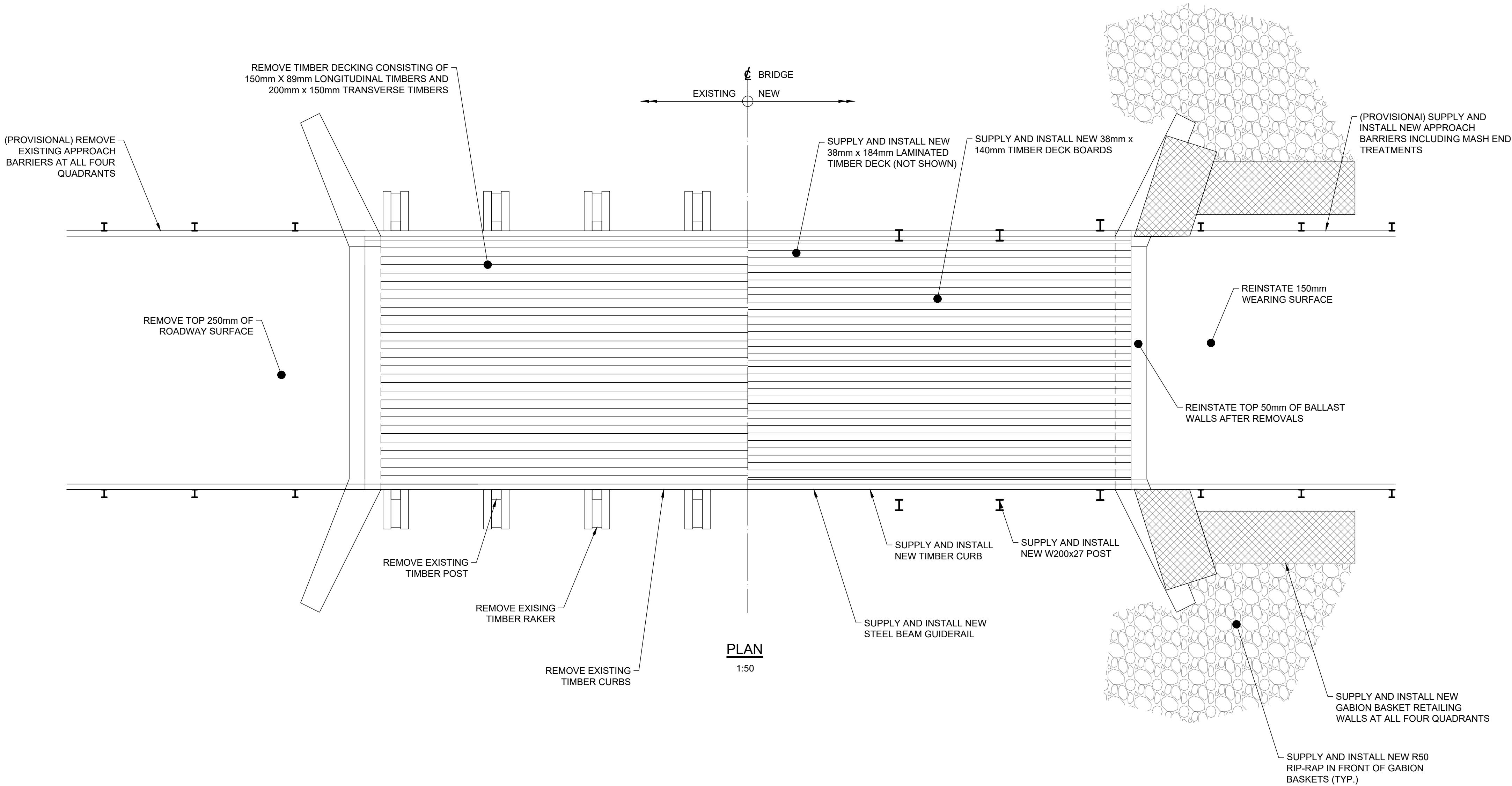


LIST OF DRAWINGS

- 00 - COVER SHEET
- 01 - GENERAL ARRANGEMENT
- 02 - DECK DETAILS
- 03 - EMBANKMENTS
- 04 - BARRIER DETAILS
- 05 - DETOUR

MCPHEE BRIDGE - REHABILITATION (STRUCTURE No. 44)

CONTRACT No. PW 1025



SCOPE OF WORK:

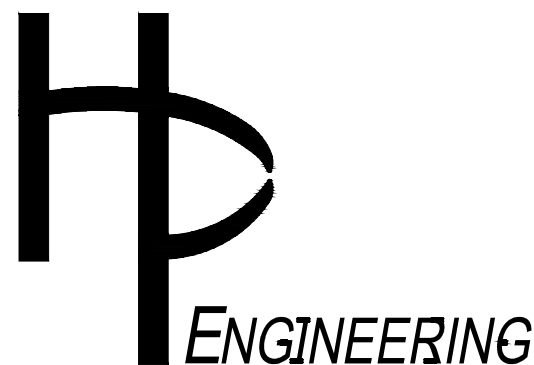
- A MOBILIZE TO SITE, ESTABLISH SITE ACCESS AND INSTALL DETOUR ROUTE SIGNAGE
- B INSTALL/MAINTAIN ENVIRONMENTAL PROTECTION / EROSION & SEDIMENT CONTROL MEASURES
- C REMOVE BARRIERS, CURBS AND TIMBER DECKING
- D REMOVE AND REINSTATE TOP SECTION OF BALLAST WALLS
- E SUPPLY AND INSTALL NEW TIMBER DECKING (INCLUDING NEW 38mm x 184mm DECK MEMBERS AND RUNNING BOARDS)
- F SUPPLY AND INSTALL NEW TIMBER CURBS OVER STRUCTURE
- G SUPPLY AND INSTALL NEW DECK BARRIER INCLUDING POSTS AND POST SUPPORTS
- H EXCAVATE AND SUPPLY AND INSTALL NEW GABION BASKET RETAINING WALLS AT ALL FOUR QUADRANTS
- I SUPPLY AND INSTALL NEW R-50 RIP-RAP SLOPE PROTECTION IN FRONT OF GABION BASKETS AT ENDS OF WINGWALLS
- J (PROVISIONAL) SUPPLY, GRADE AND COMPACT 150mm GRANULAR 'A' AT APPROACHES
- K (PROVISIONAL) SUPPLY, PLACE AND COMPACT 1-50mm LIFT OF HOT-MIX ASPHALT AT APPROACHES
- L (PROVISIONAL) SUPPLY AND INSTALL APPROACH BARRIERS INCLUDING END TREATMENTS AT ALL FOUR QUADRANTS
- M REMOVE ENVIRONMENTAL PROTECTION / EROSION & SEDIMENT CONTROL MEASURES
- N REMOVE DETOUR SIGNAGE AND RETURN SITE TO PRE-CONSTRUCTION CONDITION AND DEMOBILIZE FROM SITE

GENERAL NOTES:

1. THE SCOPE OF WORK PROVIDED ON THE DRAWING IS FOR GENERAL INFORMATION ONLY AND SHALL NOT BE CONSTRUED AS EXHAUSTIVE OR AS NECESSARILY DEPICTING THE EXACT SEQUENCE OF WORK.
2. DESIGN LOADING:
 - DESIGNED IN CONFORMANCE WITH CHBDC (2025) AND MTO STRUCTURAL MANUAL (2025).
3. ALL EXISTING CONDITIONS SHOWN ON THE CONTRACT DRAWINGS ARE TAKEN FROM FIELD MEASUREMENTS. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.
4. ALL WELDING SHALL BE CARRIED OUT IN STRICT CONFORMANCE WITH CSA-W59-2018 STANDARDS BY COMPANIES AND INDIVIDUALS CERTIFIED BY THE CWB. ALL WELDS SHALL BE PERFORMED USING ELECTRODE CLASSIFICATION E49X UNLESS NOTED OTHERWISE.
5. ANY NICKED OR DAMAGED GALVANIZED COATINGS SHALL BE TOUCHED UP WITH TWO COATS OF A ZINC-RICH PRIMER (ZINC CLAD 5 BY SHERWIN WILLIAMS OR APPROVED EQUIVALENT)
6. ALL EXPOSED STEEL EDGES SHALL BE GROUND FREE OF BURRS, SHARP EDGES, ETC.
7. ALL WORK SHALL MEET OR EXCEED ALL APPLICABLE MTO STANDARDS
8. ALL NEW INSTALLATIONS SHALL BE FABRICATED BASED ON THE CONTRACTOR'S DETAILED FIELD MEASUREMENTS. SHOULD A DISCREPANCY BETWEEN THE DETAILS / DIMENSIONS PROVIDED ON THE DRAWINGS AND THE CONTRACTOR'S FIELD MEASUREMENTS OCCUR, THE ENGINEER SHALL BE NOTIFIED FOR REVIEW. PRIOR TO COMMENCING ANY FABRICATIONS, FABRICATION AND ERECTION DRAWINGS (BASED ON THE CONTRACTOR'S FIELD MEASUREMENTS) SHALL BE PREPARED AND SUBMITTED FOR REVIEW AND APPROVAL.
9. ALL REMOVED INSTALLATIONS AND MATERIALS SHALL BE DISPOSED BY THE CONTRACTOR AT AN APPROPRIATE DISPOSAL SITE AND IN ACCORDANCE WITH THE RELEVANT CONTRACT SPECIFICATIONS WHERE APPLICABLE.
10. THE CONTRACTOR'S PRICE FOR THE WORK SHALL INCLUDE ALL LABOUR, EQUIPMENT, MATERIAL, TRANSPORTATION, AND ACCESS NECESSARY TO COMPLETE THE WORK, INCLUDING ANY AND ALL INCIDENTAL WORK WHETHER OR NOT EXPLICITLY DETAILED ON THE CONTRACT DRAWINGS BUT REQUIRED FOR PROPER PERFORMANCE AND COMPLETION OF THE WORKS AS PER THE DRAWINGS AND SPECIFICATIONS.
11. ALL DIMENSIONS ARE IN MILLIMETERS AND DIMENSIONS IN METERS UNLESS NOTED OTHERWISE.
12. IN-WATER WORK IS NOT ANTICIPATED FOR THIS PROJECT.
13. ALL PROTECTION MEASURES SHALL BE INSTALLED AS PER APPLICABLE OPSD STANDARDS: EXCLUSION FENCE / SILT FENCE BARRIER REFER TO OPSD 219.110 AND OPSD 219.130
14. REFER TO CONTRACT SPECIFICATIONS FOR FURTHER NOTES AND DETAILS.
15. MATERIALS:
 - TIMBER DECKING AND RAILS SHALL BE S-P-F NO. 1 / NO. 2, PRESSURE TREATED.
 - CARRIAGE BOLTS: ASTM A307, HOT DIPPED GALVANIZED.
 - GRK SCREWS SHALL BE GRK RUGGED STRUCTURAL SCREWS' (RSS) WITH CLIMATEK COATING AS PRODUCED BY GRK FASTENERS.
 - WOOD SCREWS: TO CSA B111, TREATED FOR EXTERIOR USE.
 - STRUCTURAL STEEL: GRADE 350W TO CSA G40.20-13/G40.21-13.
 - STEEL PLATES: GRADE 300W TO CSA G40.20-13/G40.21-13.
 - ALL STRUCTURAL STEEL AND STEEL PLATES SHALL BE HOT-DIP GALVANIZED PER CSA G164-18 OR ASTM A123M-17
 - GRANULAR 'A' SHALL BE AS PER OPSD.MUNI 1010 AND SHALL BE COMPACTED TO MINIMUM 95% STANDARD PROCTOR DRY DENSITY.

ENVIRONMENTAL PROTECTION / EROSION AND SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR SHALL CONTROL ALL CONSTRUCTION WORK SO AS TO NOT ALLOW SEDIMENT OR OTHER DELETERIOUS MATERIAL TO ENTER THE WATERCOURSE. NO WASTE OR SURPLUS ORGANIC MATERIALS, INCLUDING TOPSOIL IS TO BE STORED OR DISPOSED OF WITHIN 30 METERS OF ANY WATERCOURSE. RUN-OFF FROM EXCAVATIONS WILL NOT BE PERMITTED TO DRAIN DIRECTLY INTO WATERCOURSES BUT SHALL BE DIFFUSED ONTO VEGETATIVE AREAS A MINIMUM OF 30 METERS FROM THE WATERCOURSE. WHERE THIS MEASURE IS NOT SUFFICIENT OR FEASIBLE TO CONTROL SEDIMENT TRAPS OR GEOTEXTILE COVERAGE (i.e. GEOTEXTILE BLANKET PLACED / STAKED ONTO GROUND SURFACE SO TO TRAP SEDIMENTS) WILL BE REQUIRED.
2. THE CONTRACTOR SHALL NOT CARRY OUT MAINTENANCE OR CLEANING OF EQUIPMENT IN SUCH A WAY AS TO PERMIT THE DISCHARGE OF SEDIMENT OR OTHER DELETERIOUS MATERIALS INTO THE WATERCOURSE.
3. A SPILL CONTROL KIT SHALL BE MAINTAINED ON SITE AT ALL TIMES.
4. SEDIMENT / DEBRIS CONTROL DEVICES AS PROPOSED BY THE CONTRACTOR SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED FOLLOWING REHABILITATION OF THE SITE.
5. EXCLUSION FENCE / SILT FENCE LAYOUT AND LOCATION SHALL BE AS DETERMINED BY THE CONTRACTOR ON SITE.
6. DAILY PRE-WORK SWEEPS OF THE CONSTRUCTION AREA WILL BE CONDUCTED FOR THE PRESENCE OF SPECIES AT RISK. SHOULD SPECIES AT RISK BE ENCOUNTERED, WORK SHALL BE CEASED IMMEDIATELY AND THE CONTRACT ADMINISTRATOR SHALL BE CONTRACTED FOR FURTHER REVIEW.
7. THE CONTRACTOR SHALL CLEAN AND INSPECT ALL ENVIRONMENTAL PROTECTIONS AND EROSION & SEDIMENT CONTROLS DAILY TO ENSURE THAT THEY ARE FUNCTIONING PROPERLY. THE CONTRACTOR SHALL NOTE ANY DEFICIENCIES AND CORRECTIVE ACTION SHALL BE TAKEN IMMEDIATELY TO MINIMIZE POTENTIAL ECOLOGICAL IMPACT.
8. INSPECTION FREQUENCY SHALL INCREASE ACCORDING TO WEATHER CONDITIONS AND UNTIL ALL NOTED DEFICIENCIES ARE ADDRESSED TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR.
9. THE CONTRACTOR SHALL MONITOR THE WEATHER DAYS IN ADVANCE TO ENSURE THAT WORK WILL BE CONDUCTED DURING FAVOURABLE WEATHER CONDITIONS. WORK SHALL BE SCHEDULED TO AVOID WET, WINDY AND RAINY PERIODS. SHOULD UNFAVOURABLE WEATHER CONDITIONS ARISE UNEXPECTEDLY, THE CONTRACTOR SHALL REMOVE ALL ITEMS FROM THE REGIONAL STORM FLOOR PLAIN THAT WOULD HAVE THE CAPACITY TO CAUSE AN OBSTRUCTION TO FLOW OR SPILL.
10. ANY ADDITIONAL PROTECTION MEASURES REQUESTED BY THE CONTRACT ADMINISTRATOR SHALL BE COMPLETED IN A TIMELY MANNER (i.e. AS QUICKLY AS THE SITUATION DEMANDS).
11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL PROTECTION MEASURES AFTER VEGETATION HAS BECOME ESTABLISHED. WORK WILL NOT BE CONSIDERED COMPLETE UNTIL ALL PROTECTION MEASURES ARE REMOVED FROM SITE.



NO.	REVISION	BY	DATE	CLIENT	DATE: JULY 2026
1	ISSUED FOR TENDER	N.B.	14/08/26	TOWNSHIP OF NORTH GLENGARRY	Dwn. N.B. Chk. T.D.
				PROJECT TITLE	Scale: AS SHOWN
				MCPHEE (STRUCTURE 44) BRIDGE REHABILITATION	Des. N.B. Chk. T.D.
				DRAWING TITLE	CONTRACT NO. PW 1025
				GENERAL ARRANGEMENT	SHEET 02 OF 06
					DWG. NO. 01

NOTES:

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER APPLICABLE CONTRACT DRAWINGS.
- REFER TO DRAWING 01 FOR GENERAL NOTES AND SCOPE OF WORK.
- EXISTING GUIDERAIL (RAIL SECTIONS) ON APPROACHES SHALL BE REMOVED AND DISPOSED OF OF SITE.
- OBJECT MARKERS ARE REQUIRED AT THE END OF EACH GUIDERAIL END TREATMENT; COSTS OF SUPPLY AND INSTALLATION OF OBJECT MARKERS SHALL BE INCLUDED IN THE TENDER ITEM FOR THE END TREATMENTS.
- MASH END TREATMENTS SHALL BE FLARED AWAY FROM ROADWAY AT 1:50.
- LOCATION OF SIGNAGE SHOWN SCHEMATICALLY ONLY, ACTUAL OF LOCATION OF SIGNAGE SHALL BE AS DIRECTED ONSITE BY THE ENGINEER.
- ALL SUITABLE EXCAVATED FILL MATERIAL GENERATED THROUGHOUT THE CONTRACT SHALL BE SALVAGED, STOCKPILED, AND REUSED. THIS MATERIAL SHALL BE PLACED, GRADED, AND COMPACTED AT THE EMBANKMENTS ADJACENT TO THE STRUCTURE AND ALONG THE ROADWAY SHOULDERS, AS DIRECTED BY THE CONTRACT ADMINISTRATOR. COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR EARTH EXCAVATION.
- GRANULAR 'A' SHALL BE COMPACTED TO 98% SPDD UNLESS SPECIFIED OTHERWISE.

PROVISIONAL ITEM NOTES: APPROACH
ROADWAY REINSTATEMENT:

PROVISIONAL OPTION 1: LOCALIZED APPROACH TRANSITION (GRAVEL)

EXCAVATE AND REMOVE 180mm OF EXISTING ROADWAY APPROACH MATERIAL OVER THE FULL WIDTH OF THE DRIVING SURFACE FOR A DISTANCE OF ±10.0m FROM BOTH DECK ENDS. FROM THERE TAPER REMOVALS BACK TO EXISTING GRADE LEVEL 20m FROM THE ENDS OF THE DECK ON BOTH APPROACHES.

SUPPLY, PLACE, FINE GRADE, AND COMPACT GRANULAR 'A' BASE MATERIAL OVER FULL LENGTH OF REMOVALS (MAX. 100mm THICK AT ENDS OF DECK). ADEQUATE COMPACTION SHALL BE VERIFIED BY PROOF ROLLING WITH A HEAVY ROLLER TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR. NOTE FOR THIS OPTION GRANULAR MATERIAL IS PAID PER TONNE UNDER ITEM 22.

FINISHED GRANULAR SURFACE SHALL BE GRADED TO TIE SMOOTHLY INTO THE NEW LOWERED DECK ELEVATION (APPROX. 75mm DROP FROM EXISTING) AND BLEND WITH THE EXISTING APPROACH ROADWAY PROFILE.

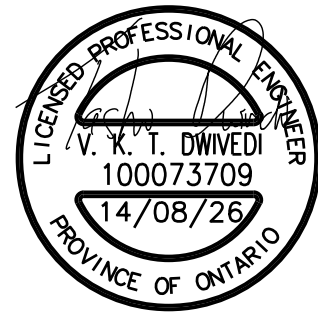
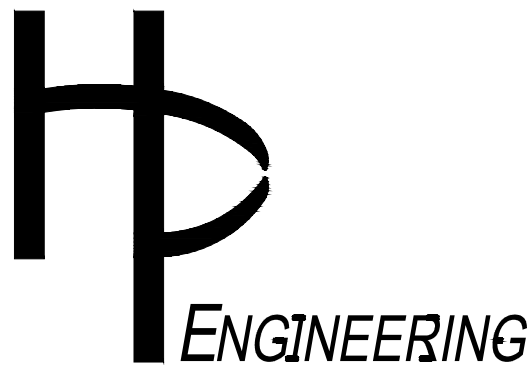
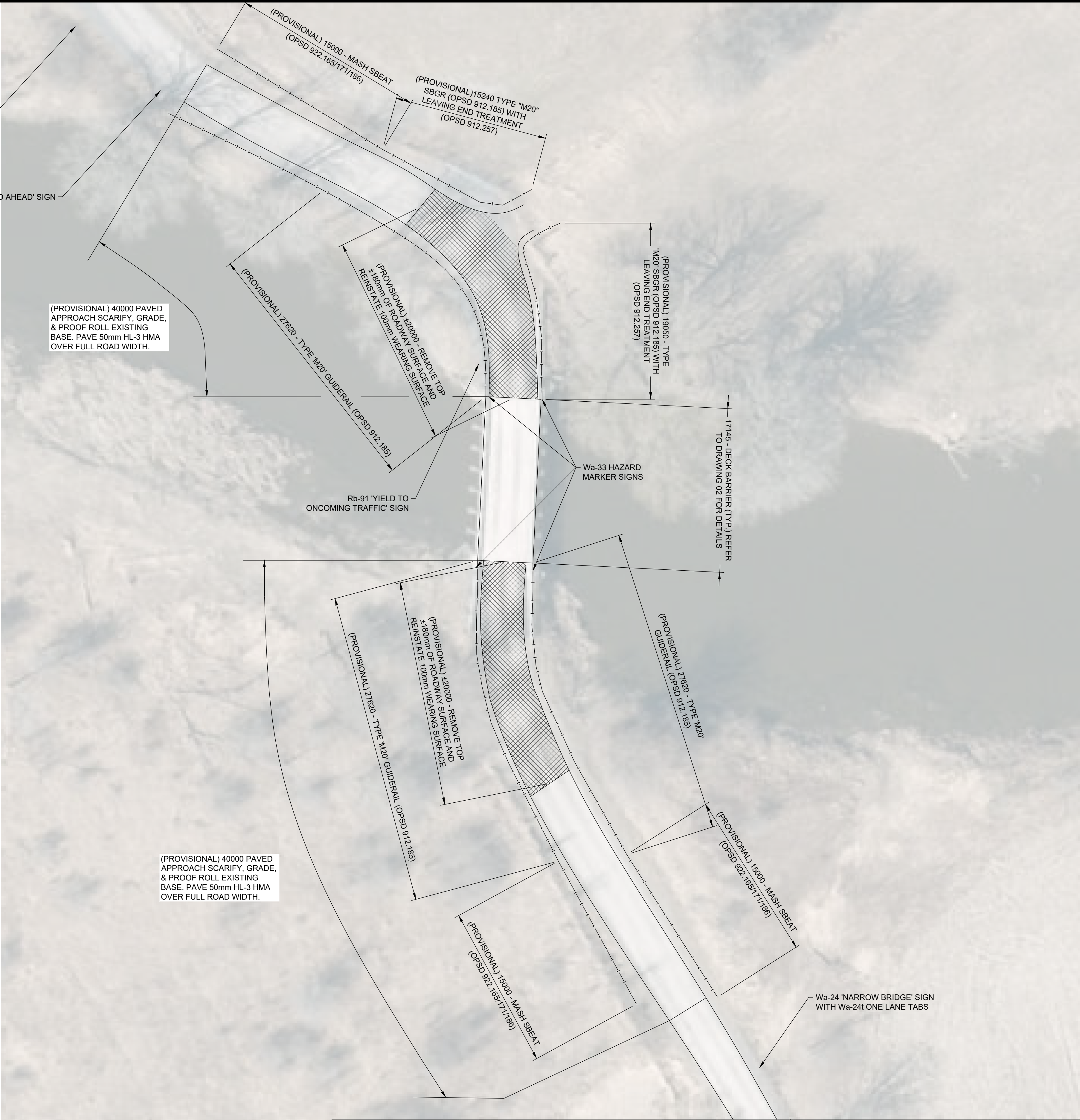
PROVISIONAL OPTION 2: EXTENDED PAVED APPROACHES (40m)

SUPPLY AND PLACE ONE (1) 50mm LIFT OF HL-3 HOT MIX ASPHALT (HMA) OVER THE FULL WIDTH OF THE DRIVING SURFACE FOR A DISTANCE OF 40.0m EXTENDING OUTWARD FROM BOTH DECK ENDS.

ITEM TO INCLUDE SCARIFYING, FINE GRADING, PLACING AND COMPACTING GRANULAR 'A' AS REQUIRED, AND COMPACTING THE EXISTING ROADWAY BASE TO ACHIEVE PROPER CROSSFALL AND LONGITUDINAL PROFILE. BASE PREPARATION SHALL BE APPROVED BY PROOF ROLLING PRIOR TO PAVING.

PROVIDE A SMOOTH TRANSITION JOINT AT THE 40m LIMIT TO TIE INTO THE EXISTING GRAVEL ROADWAY TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR.

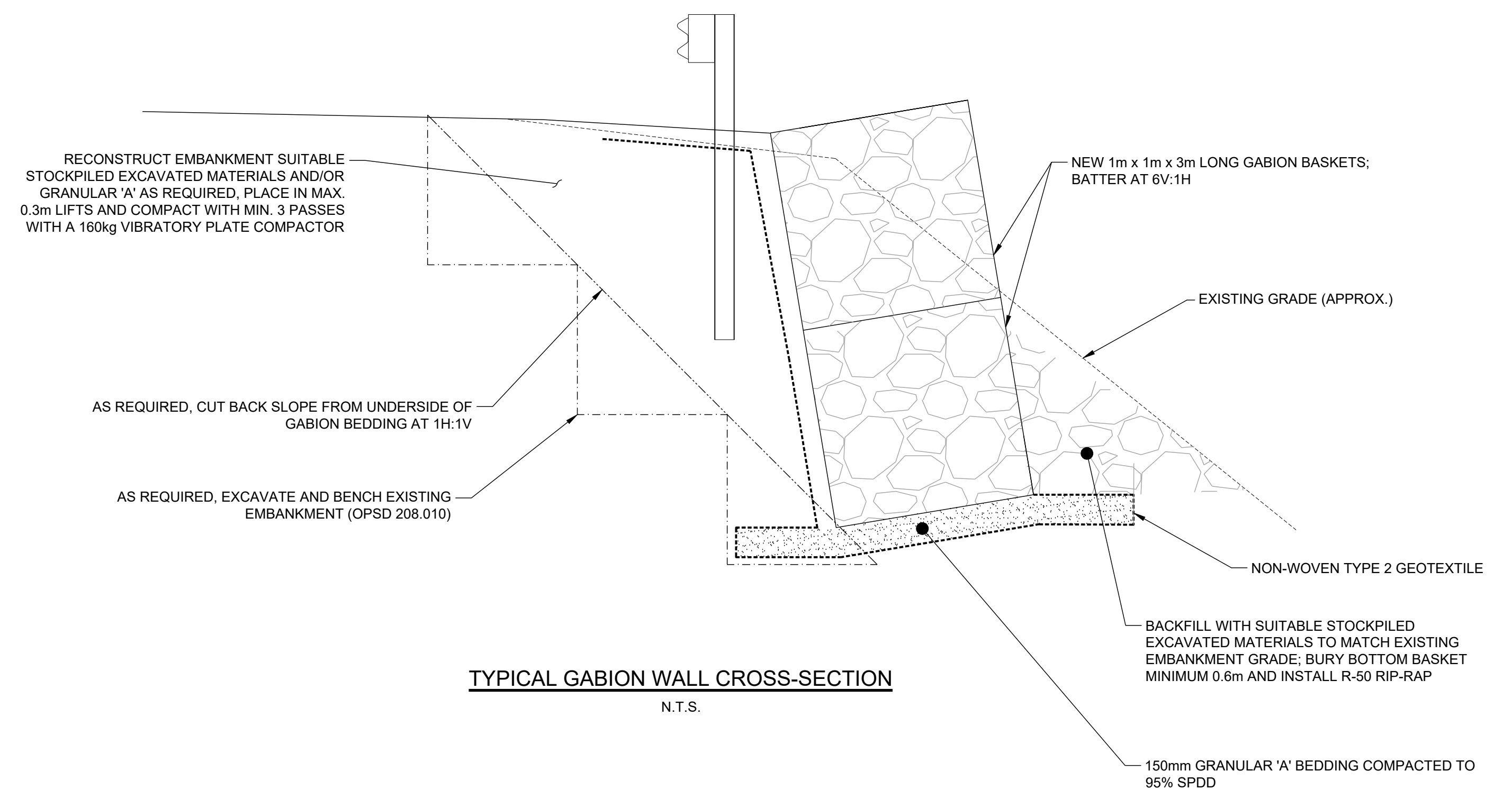
THE SUPPLY, PLACEMENT, AND COMPACTION OF ALL GRANULAR 'A' REQUIRED FOR THESE PROVISIONAL WORKS SHALL BE PAID PER TONNE UNDER ITEM 22. ALL REMAINING EFFORT, INCLUDING EXCAVATION, SCARIFICATION, AND PAVING, SHALL BE PAID UNDER THE APPLICABLE PROVISIONAL ITEMS.



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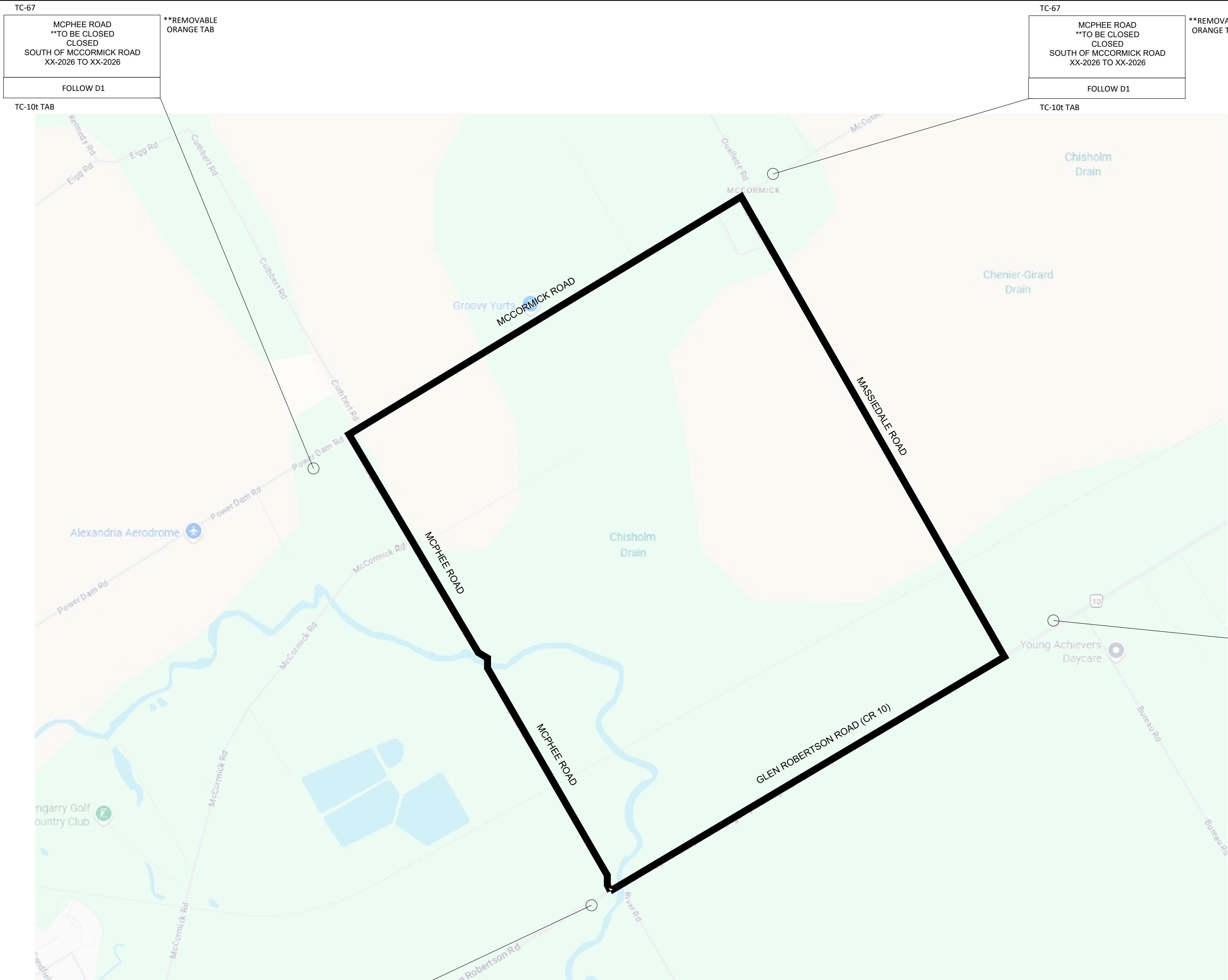
CLIENT	TOWNSHIP OF NORTH GLENGARRY
PROJECT TITLE	MCPHEE (STRUCTURE 44) BRIDGE REHABILITATION
DRAWING TITLE	DECK DETAILS

DATE: JULY 2026
Dwn. N.B. Chk. T.D.
Scale: AS SHOWN
Des. N.B. Chk. T.D.
CONTRACT NO. PW 1025
SHEET 04 OF 06
DWG. NO. 03



N.T.S.

NOTES:



DETOUR NOTES

1. ALL TRAFFIC CONTROL OPERATIONS SHALL BE CARRIED OUT TO AT LEAST THE MINIMUM STANDARDS AS SET FORTH IN BOOK 7 (ONTARIO TRAFFIC MANUAL).
2. LOCATION, OFFSET, HEIGHT, ETC. OF ALL SIGNAGE SHALL BE IN ACCORDANCE WITH BOOK 7 OF THE ONTARIO TRAFFIC MANUAL.
3. ALL SIGNAGE AND TEMPORARY CONCRETE BARRIERS/ BARRICADES WILL BE REQUIRED FOR THE ENTIRE DURATION OF CONSTRUCTION.
4. THE FINAL LOCATION AND OVERALL NUMBER OF SIGNS MAY BE ADJUSTED BASED ON FIELD REQUIREMENTS.
5. PRIOR TO FABRICATION OF TC-67 SIGNS THE CONTRACTOR SHALL SUBMIT A SIGN TEMPLATE TO THE CONTRACT ADMINISTRATOR FOR REVIEW.
6. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION AND DETOUR SIGNAGE FOR THIS CONTRACT. THE CONTRACTOR SHALL SUBMIT A TRAFFIC MANAGEMENT PLAN INCLUDING DRAWINGS SHOWING ALL CONSTRUCTION AND DETOUR SIGNS AND DEVICES TO THE CONTRACT ADMINISTRATOR TWO (2) WEEKS PRIOR TO STARTING WORK.
7. THE CONTRACTOR SHALL INSPECT ALL TRAFFIC CONTROL AND DETOUR SCHEMES AND ENSURE PROPER INSTALLATIONS ARE MAINTAINED FOR THE DURATION OF THE CONTRACT. INSPECTIONS SHALL BE PERFORMED PER BOOK 7 BUT NO LESS THAN ONCE PER DAY. THE CONTRACTOR SHALL MAINTAIN A DAILY LOG OF INSPECTIONS AND MAKE THE LOG AVAILABLE TO THE CONTRACT ADMINISTRATOR.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH DAILY RELOCATION OF TEMPORARY BARRIERS OR OTHER TRAFFIC APPURTENANCES TO ALLOW CONSTRUCTION ACCESS AS REQUIRED.

DETOUR ROUTE PLAN
N.T.S.

NO.	REVISION	BY	DATE
1	ISSUED FOR TENDER	N.B.	14/08/26

CLIENT	
TOWNSHIP OF NORTH GLENGARRY	
PROJECT TITLE MCPHEE (STRUCTURE 44) BRIDGE REHABILITATION	
DRAWING TITLE DETOUR	

DATE: JULY 2026	
Dwn.	Chk. T.D.
Scale: AS SHOWN	
Des.	Chk. T.D.
CONTRACT NO. PW 1025	
SHEET 06	OF 06
DWG. NO. 05	