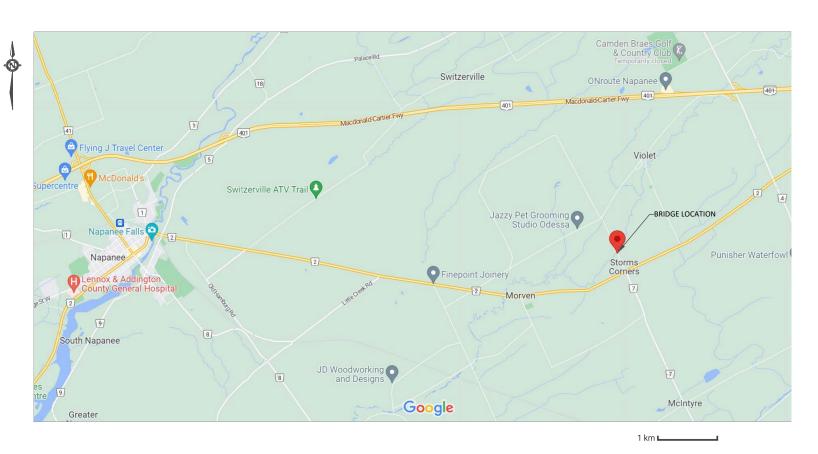
# LOYALIST TOWNSHIP





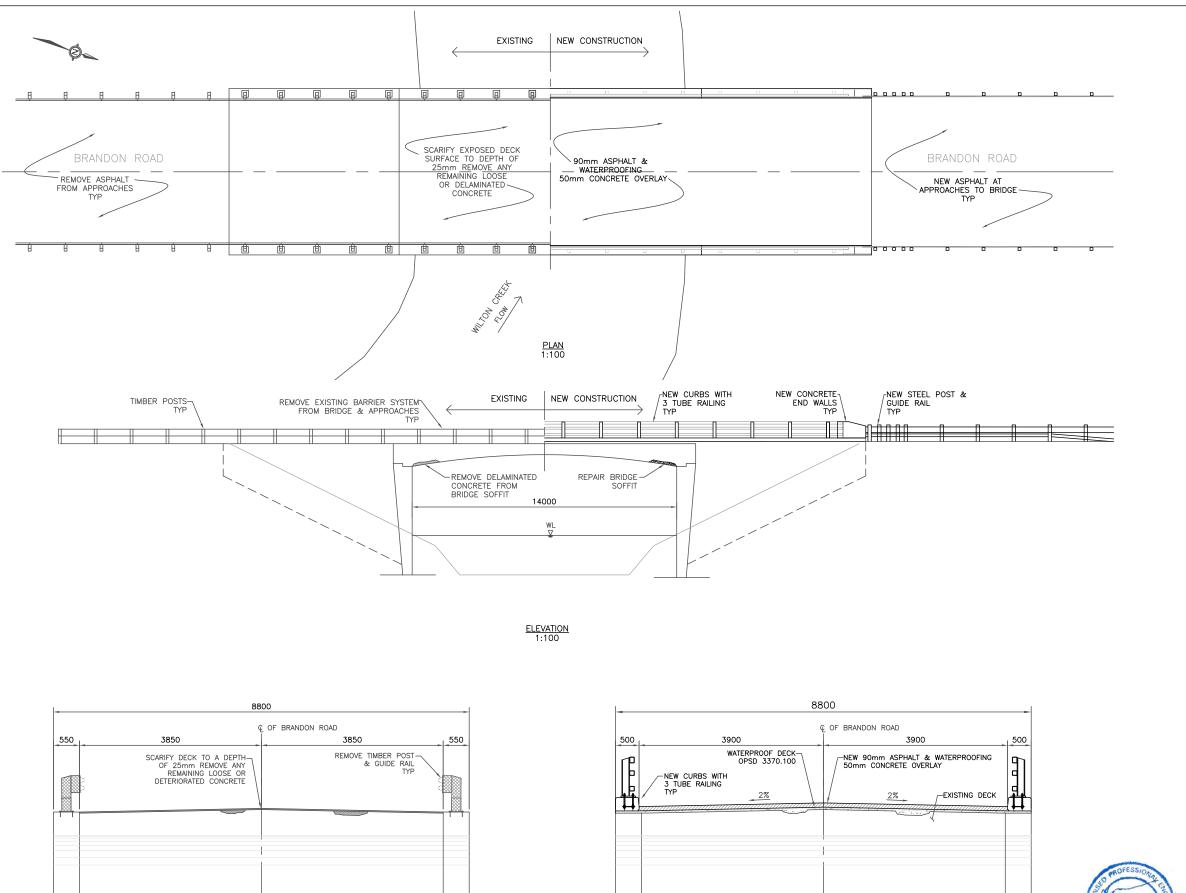


# MENORE BRIDGE REHABILITATION

CONTRACT NO. 2025-02

### LIST OF DRAWINGS

- 1. GENERAL ARRANGEMENT
- 2. TRAFFIC MANAGEMENT PLAN
- 3. ENVIRONMENTAL MANAGEMENT PLAN, ROADWORKS
- 4. TYPICAL CONCRETE REPAIR DETAILS, CURB DETAILS
- 5. SS110-39 THREE TUBE RAILING ON CURB TL4 (WITH CONCRETE ENDWALL)
- 6. SS110-66 CONCRETE ENDWALL FOR BOX BEAM RAILING
- 7. POST AND RAILING LAYOUT





CONT No. 2025-02

MENORE BRIDGE GENERAL ARRANGEMENT SHEET 1



### Keystone Bridge Management Corp.

#### GENERAL NOTES

THE CONTRACTOR SHALL ENSURE THAT NO DELETERIOUS MATERIALS RESULTING FROM CONSTRUCTION ACTIVITIES ENTERS THE WATERCOURSE.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE OWNER BEFORE PROCEEDING WITH THE WORK. DIMENSIONS OF EXISTING STRUCTURE ARE APPROXIMATE ONLY.

CLASS OF CONCRETE ...... 35MPa CLASS C-1

CLEAR COVER TO BLACK REINFORCING STEEL SHALL BE 70  $\pm$  20 CLEAR COVER TO GALVANIZED REINFORCING STEEL SHALL BE MIN 35mm

REINFORCING STEEL SHALL BE GRADE 400W UNLESS OTHERWISE NOTED TENSION LAP SPICES SHALL BE CLASS B

CHAMFER ALL CONCRETE CORNERS 20x20

#### SCOPE OF WORK

- INSTALL ALL TEMPORARY SIGNAGE AND BARRICADES AS REQUIRED TO ESTABLISH DETOUR AROUND BRIDGE. CLOSE BRIDGE TO TRAFFIC.
- 2. INSTALL LIGHT DUTY SILT FENCING AT BRIDGE ENDS.
- 3. SCARIFY EXISTING BRIDGE DECK TOP AND REMOVE TIMBER POST AND GUIDE RAIL FROM BRIDGE AND APPROACHES.
- 4. REMOVE ALL REMAINING LOOSE AND DETERIORATED CONCRETE FROM DECK SURFACE.
- 5. REMOVE ALL DELAMINATED CONCRETE FROM BRIDGE SOFFIT.
- 6. REPAIR AREAS OF BRIDGE SOFFIT.
- 7. CONSTRUCT NEW CONCRETE CURBS AND END WALLS.
- 8. PLACE CONCRETE OVERLAY ON BRIDGE DECK.
- 9. INSTALL POST AND RAILINGS ON BRIDGE CURBS.
- 10. WATERPROOF BRIDGE DECK.
- 11. PAVE BRIDGE AND APPROACHES.
- 12. INSTALL GUIDE RAIL TO BRIDGE APPROACHES.
- 13. REMOVE ALL TEMPORARY DETOUR SIGNAGE AND OPEN BRIDGE TO TRAFFIC.

### LIST OF APPLICABLE STANDARD DRAWINGS

OPSD 219.110 LIGHT DUTY SILT FENCE BARRIER

OPSD 912.130 GUIDE RAIL SYSTEM, STEEL BEAM STEEL POST WITH OFFSET BLOCK ASSEMBLY INSTALLATION SINGLE RAIL

OPSD 912.430 GUIDE RAIL SYSTEM, STEEL BEAM STRUCTURE CONNECTION

A. S. KLEYWEGT

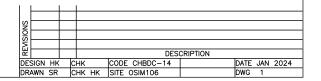
REHABILITATED SECTION 1:50

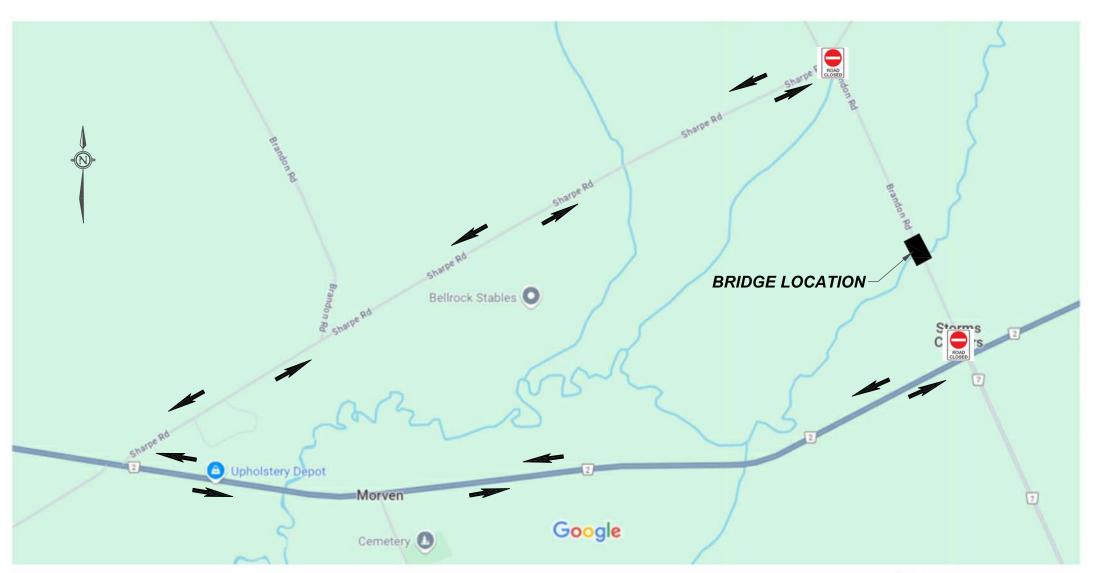
OPSD 912.235 GUIDE RAIL SYSTEM, STEEL BEAM LEAVING END TREATMENT INSTALLATION

OPSD 922.186 ENERGY ATTENUATOR, END TREATMENT STEEL

BEAM ENERGY ATTENUATING TERMINAL MASH

SEQUENTIAL KINKING TERMINAL SYSTEM — INSTALLATION





Map data @2024 200 m L



CONT No. 2025-02

MENORE BRIDGE TRAFFIC MANAGEMENT PLAN SHEET 2



### Keystone Bridge Management Corp.

### ROAD CLOSURE NOTES

- 1. ALL SIGNAGE TO BE SUPPLIED, INSTALLED, MAINTAINED AND REMOVED BY THE CONTRACTOR.
- ALL SIGNAGE AND SETUP PROCEDURE SHALL BE IN COMPLIANCE WITH THE ONTARIO TRAFFIC MANUAL TEMPORARY CONDITIONS, BOOK 7. THE CONTRACTOR SHALL MAINTAIN SIGNS FOR THE DURATION OF CONSTRUCTION.
- 3. BRANDON ROAD SHALL BE CLOSED BETWEEN SHARPE ROAD AND COUNTY ROAD 2.
- 4. CONTRACTOR TO PROVIDE ADVANCE WARNING SIGNS

TC-67'S SHALL READ

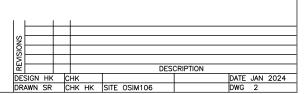
"BRANDON ROAD WILL BE CLOSED DATE TO DATE"

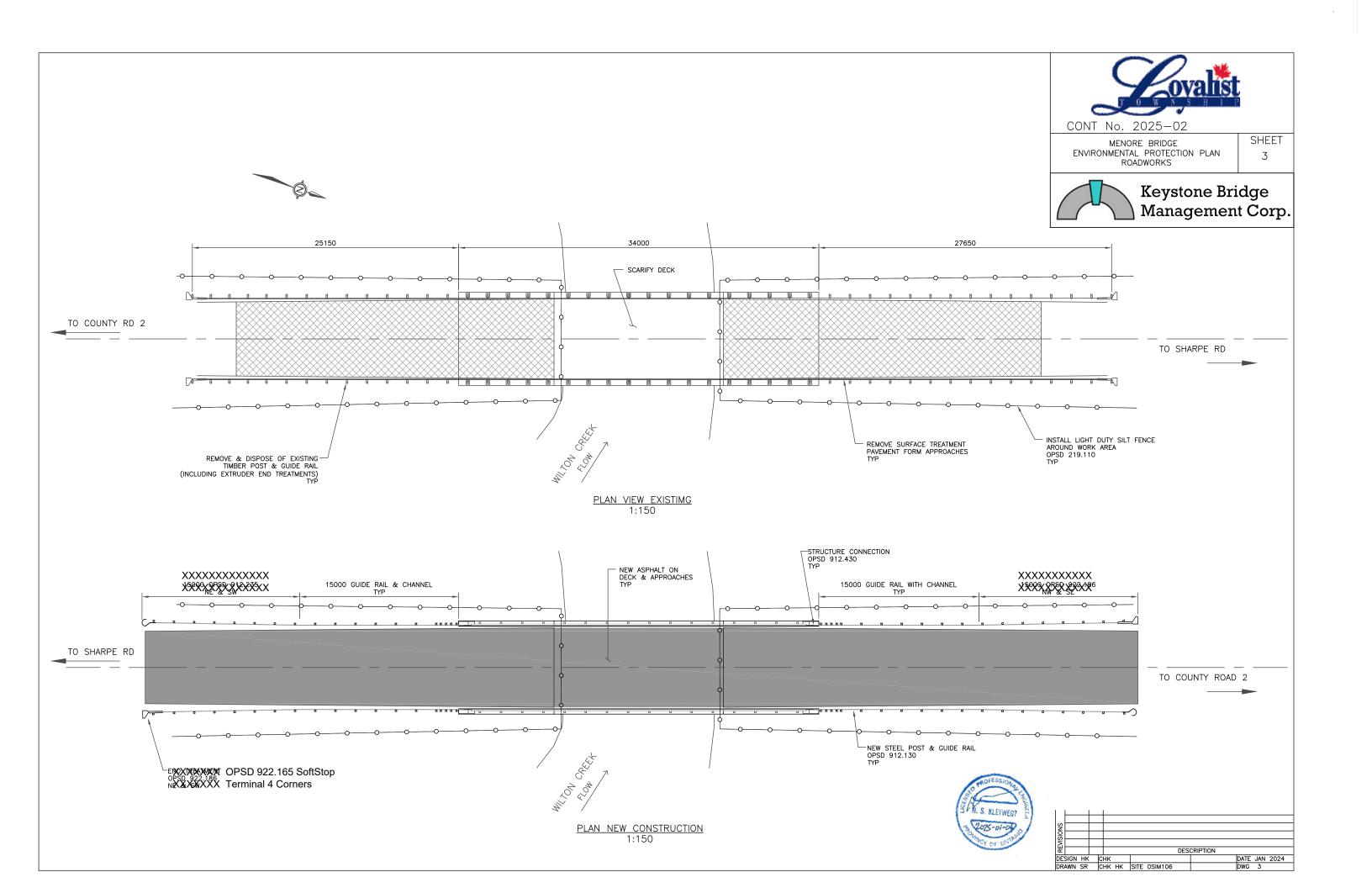
### LEGEND

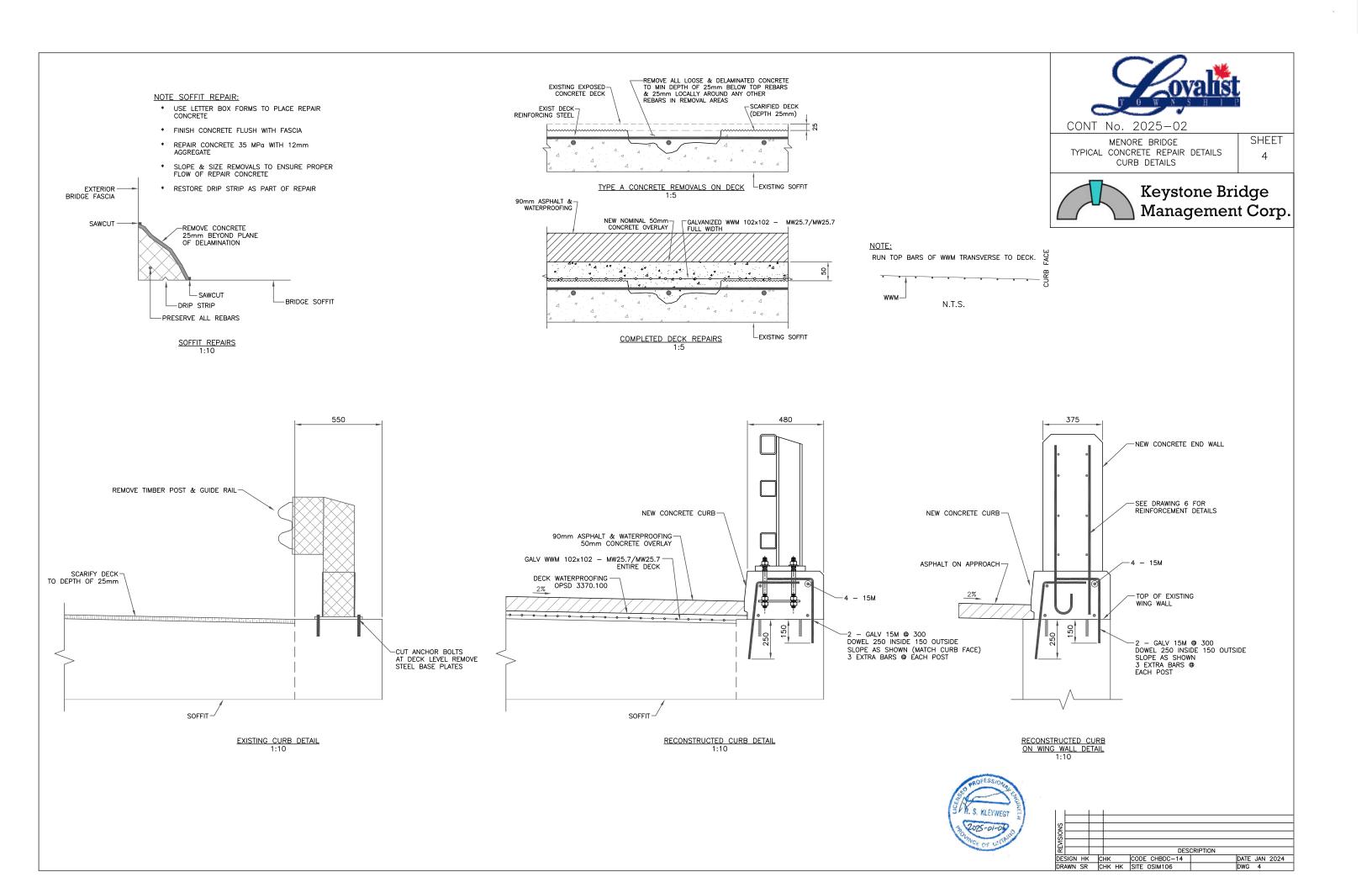
TC 67 IMAGE IS ONLY REPRESENTATIVE

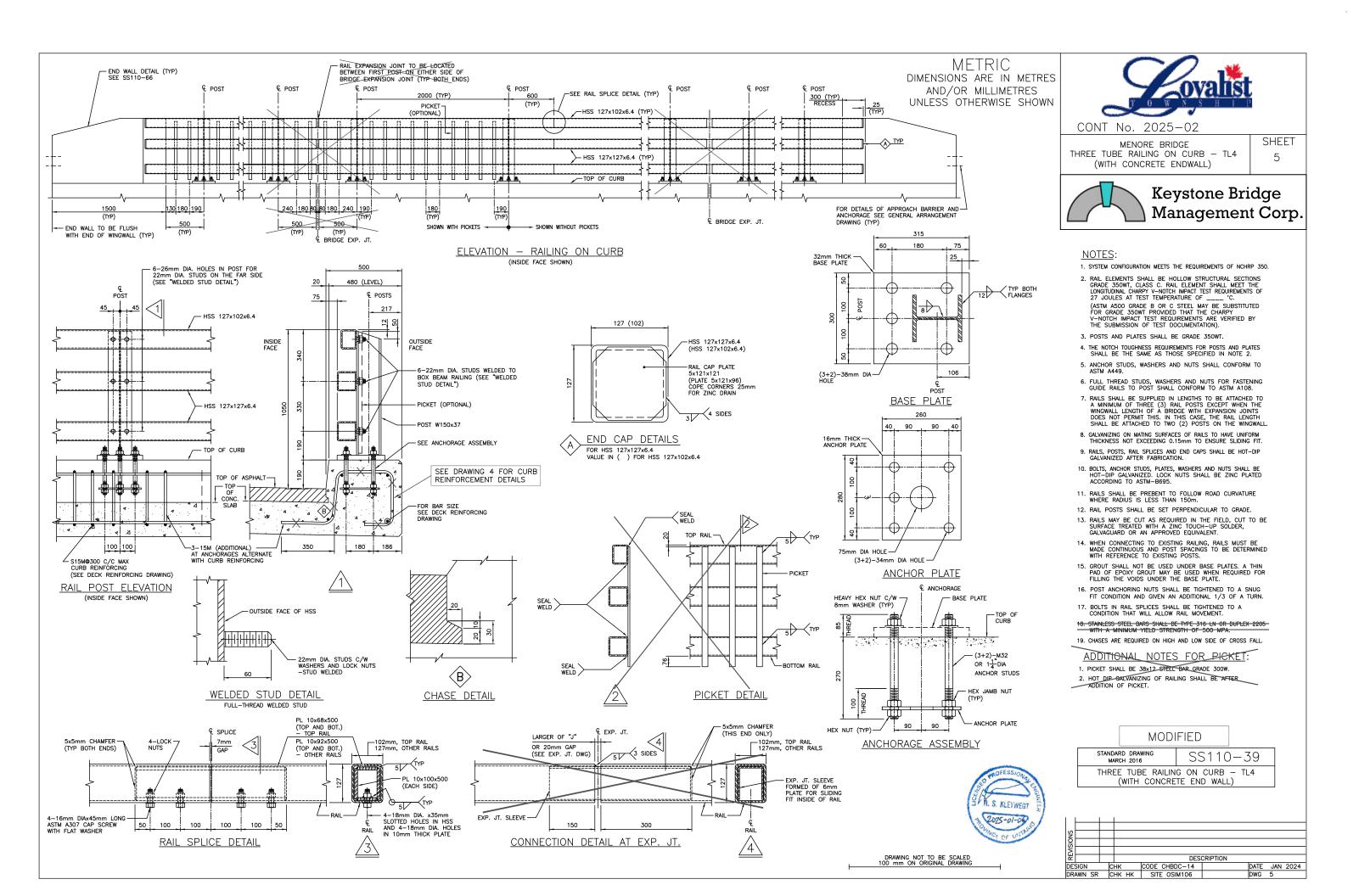


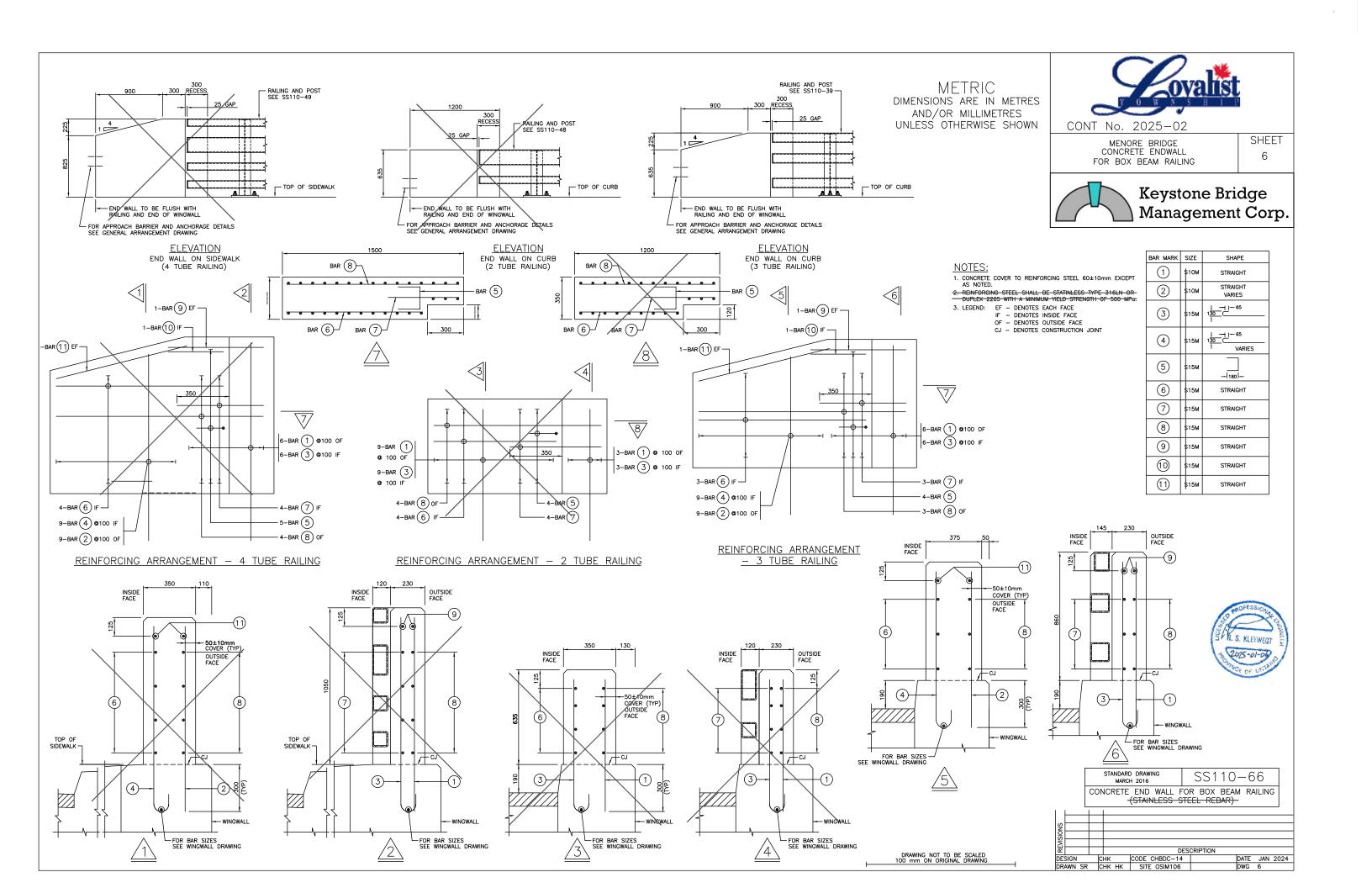
DETOUR DIRECTION













MENORE BRIDGE POST AND RAILING LAYOUT SHEET 7



Keystone Bridge Management Corp.

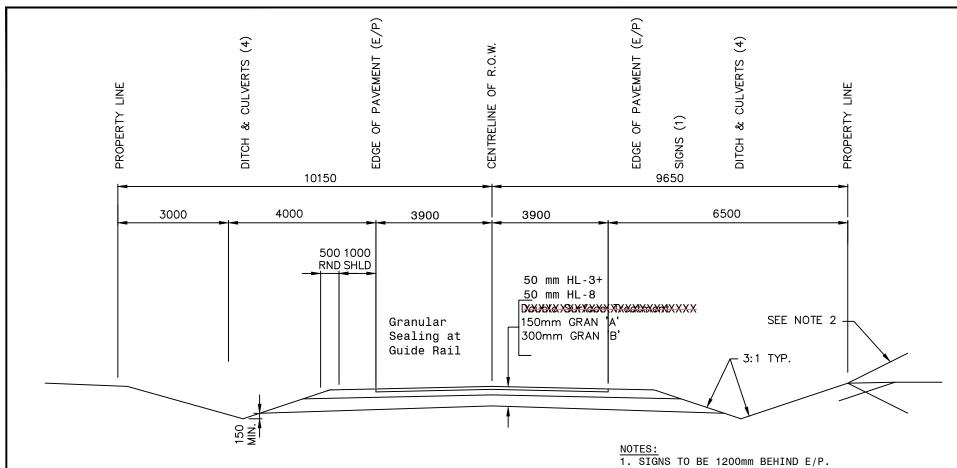
### TYPICAL POST LAYOUT PLAN VIEW EAST SIDE SHOWN WEST SIMILAR 1:50

1500	500	15 SPACES @ 2000 = 30000											1500	1500				
									2000									
																		1

TYPICAL POST LAYOUT ELEVATION VIEW EAST SIDE SHOWN WEST SIMILAR 1:50



				1							
NS											
REVISIONS											
ž											
R							DES	CRIPTION			
DES	SIGN	НК		СНК		CODE			DATE	JAN	2024
DR	AWN	SR		CHK	HK	SITE OSIM106			DWG	7	



- PROVIDE TEMPORARY 2:1 SIDE SLOPES TO EXISTING GROUND.
- 3. RURAL ENTRANCES TO BE CONSTRUCTED IN ACCORDANCE TO OPSDs 301.010 TO 301.030.
- 4. MINIMUM CULVERT SIZE IS 375mm WITH A MIN. OF 300mm COVER.
- 5. PROVIDE FROST TAPERS IN ACCORDANCE WITH OPSD FOR ALL CULVERTS



## LOYALIST TOWNSHIP ENGINEERING DEPARTMENT

P.O. BOX 70, 263 MAIN ST., ODESSA, ONTARIO K0H 2H0 (613) 386-7351 Ext. 115 TITLE:

## TYPICAL ROAD CROSS-SECTION AT MENORE BRIDGE

DATE:

SCALE: 1:1000m

DRAWN BY:
CHECKED BY:
DRAWING NO.:
R-6 Modified