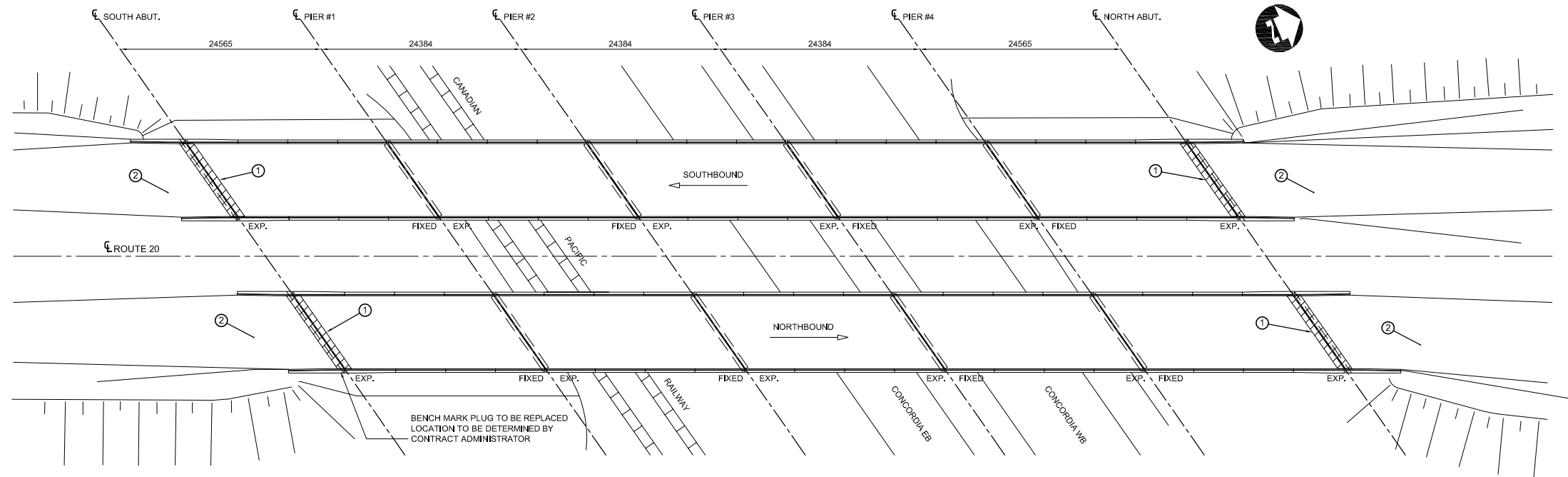
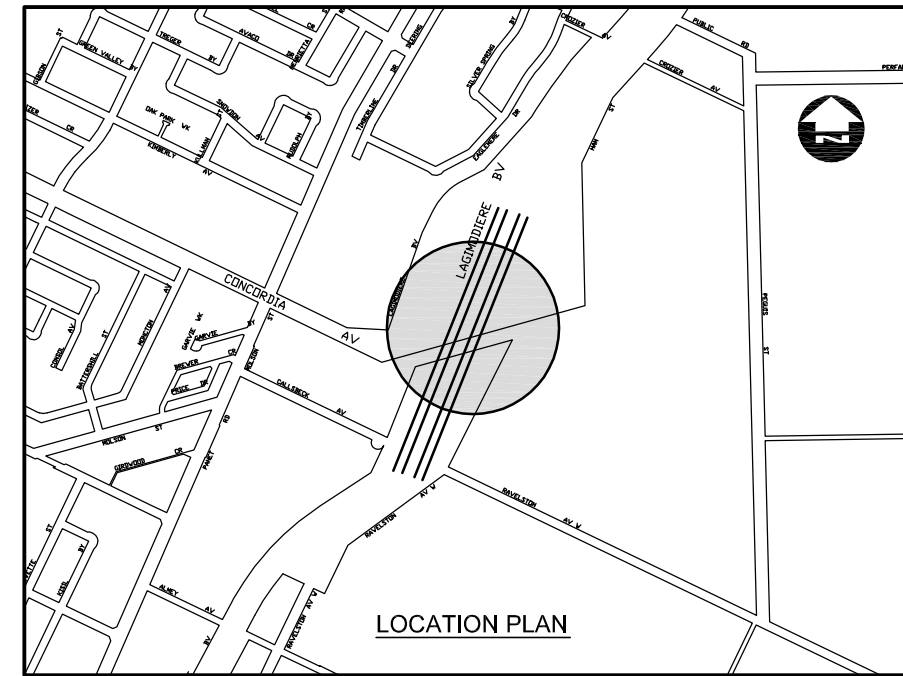


NOTES:

1. MANUFACTURER'S SHOP DRAWINGS SHALL BE SUBMITTED TO THE CONTRACT ADMINISTRATOR FOR APPROVAL AT LEAST SEVEN (7) WORKING DAYS PRIOR TO FABRICATION. THE EXPANSION JOINT ASSEMBLIES SHALL BE DESIGNED TO CARRY CAN/CSA-S6-06 CL-625 LIVE LOADING.
2. EXPANSION JOINTS SHALL BE WABO MODULAR D300 JOINTS OR APPROVED EQUAL IN ACCORDANCE WITH B5.
3. STEEL SHALL BE IN ACCORDANCE WITH THE LATEST CSA STANDARD CAN/CSA G40.21M GRADE 300W OR EQUAL AND ALL SUBSEQUENT REVISIONS.
4. STEEL EXTRUSIONS SHALL BE IN ACCORDANCE WITH THE LATEST CSA STANDARD CAN/CSA G40.21M GRADE 230G MINIMUM AND ALL SUBSEQUENT REVISIONS.
5. ALL STEEL SURFACES, INCLUDING COVER PLATES SHALL BE HOT DIP GALVANIZED TO A NET RETENTION OF 610g/m<sup>2</sup> AFTER FABRICATION.
6. JOINT ASSEMBLY SHALL BE FABRICATED AND COMPLETELY SHOP ASSEMBLED AND PRESET TO DIMENSION "A" FOR 20°C PRIOR TO SHIPMENT.
7. EXPANSION JOINT UNITS AND RELATED MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
8. BLEEDER HOLES SHALL BE DRILLED INTO THE TOP OF THE STEEL EDGE BEAMS OF THE EXPANSION JOINT AND INTO THE TOP OF THE BARRIER COVER PLATES WHERE CONCRETE IS TO BE CAST DIRECTLY AGAINST. FOLLOWING CONCRETING OPERATIONS THE CONTRACT ADMINISTRATOR SHALL INSPECT THESE AREAS BY METHOD OF SOUNDING. ALL VOIDS SHALL BE FILLED WITH AN APPROVED NON-SHRINK GROUT.
9. EXPANSION JOINTS SHALL BE INSTALLED IN TWO PIECES ACCORDING TO CONSTRUCTION STAGING AND FIELD WELDED DURING INSTALLATION. REFER TO THE MANUFACTURER'S PROCEDURE FOR INSTALLATION.
10. WELDING SHALL BE LOW OXYGEN CLASSIFICATION. MANUAL ELECTRODES SHALL BE E7016 OR E7018. ALL WELDING SHALL BE IN ACCORDANCE WITH CSA STANDARD W59.
11. SEAL SHALL BE PREFORMED NEOPRENE RUBBER AS SPECIFIED. EACH SEAL SHALL BE SUPPLIED & INSTALLED IN ONE CONTINUOUS PIECE. NO SPLICE IN THE RUBBER SEAL WILL BE PERMITTED.
12. EXPANSION JOINT ASSEMBLY SHALL BE INSTALLED 5mm BELOW ELEVATION AND GRADE OF ADJACENT BRIDGE DECK.
13. ALL BARRIER COVER PLATES SHALL BE RECESSED 20mm FROM THE FACE OF THE CONCRETE.
14. UNLESS NOTED, ROADWAY AND BARRIER DIMENSIONS SHOWN ARE TO CONCRETE FACES. EXPANSION JOINT MANUFACTURER SHALL MAKE APPROPRIATE ADJUSTMENTS FOR CHAMFERS AND OFFSETS AS SHOWN ON DETAILS.
15. INSTALLATION TEMPERATURE SHALL BE TAKEN AS THE MEAN SHADE AIR TEMPERATURE 48 HOURS PRIOR TO JOINT INSTALLATION.
16. ALL AREAS OF DAMAGED GALVANIZING SHALL BE REPAIRED BY USING THE GALVALLOY PROCEDURE AS SPECIFIED.
17. PRIOR TO PLACING REINFORCING BARS OR CONCRETE, THE EXPANSION JOINT WORKS INSTALLATION SHALL BE APPROVED BY THE CONTRACT ADMINISTRATOR.
18. IMMEDIATELY PRIOR TO PLACEMENT OF CONCRETE, ALL METAL SURFACES WHICH WILL BE IN CONTACT WITH CONCRETE SHALL BE COATED WITH EPOXY ADHESIVE. RATE OF PLACEMENT OF ADHESIVE SHALL BE SUCH THAT THE ADHESIVE DOES NOT DRY OR SET BEFORE CONCRETE IS PLACED AGAINST IT.
19. LOOSEN ERECTION BOLTS WITHIN 24 HOURS OF CONCRETING TO ALLOW JOINT MOVEMENT DUE TO TEMPERATURE CHANGE.
20. AFTER REMOVAL OF CLAMPING CHANNELS AND SPACER DAM, BOLT AND BLEEDER HOLES TO BE FILLED WITH AN APPROVED EPOXY GROUT.
21. ALL FIELD WELDING AND ASSOCIATED FIELD GALVANIZING SHALL TAKE PLACE PRIOR TO INSTALLATION OF EXPANSION JOINT SEALS.



PLAN ROUTE 20 KEEWATIN OVERPASS  
SCALE 1:300

LEGEND:

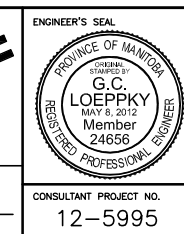
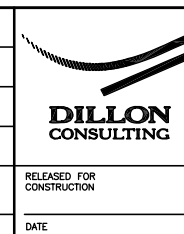
1. REMOVE EXISTING EXPANSION JOINT AND INSTALL NEW EXPANSION JOINT.
2. RESURFACE ASPHALT APPROACH WAY.



DRAWING REDUCED  
NOT TO SCALE

B.M.1	BM CAP N/B BRIDGE, S.E. BARRIER AT EXP. JT.	DESIGNED BY	GCL
ELEV.	242.564 (LOCAL SURVEY)	DRAWN BY	JGW
B.M.2	S.E. BOLT ON PED. S. OF R/R W. OF S/B BRIDGE	CHECKED BY	SSR
ELEV.	233.125 (LOCAL SURVEY)	APPROVED BY	MBL
1	ISSUED FOR TENDER	DATE	05/08/12 JGW
0	ISSUED FOR REVIEW	DATE	05/01/12 JGW
NO.	REVISIONS	DATE	BY

HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION	DATE
VERTICAL	AS SHOWN		
DATE	MAY 8, 2012		



2012 BRIDGE MAINTENANCE PROGRAM ROUTE 20 KEEWATIN OVERPASS	
CITY DRAWING NUMBER B123-12-02-R1	SHEET 2 OF 15
GENERAL LAYOUT	
BID OPP. NO. 363-2012	