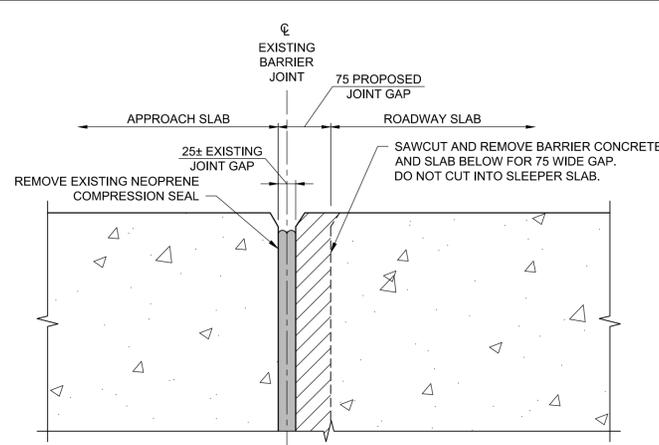
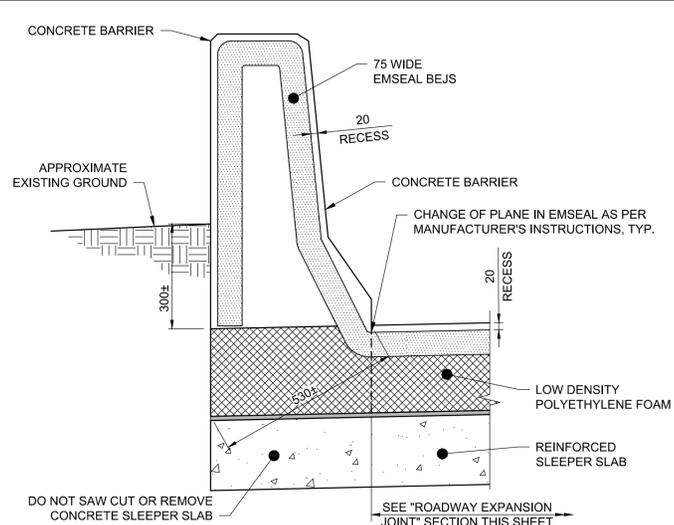


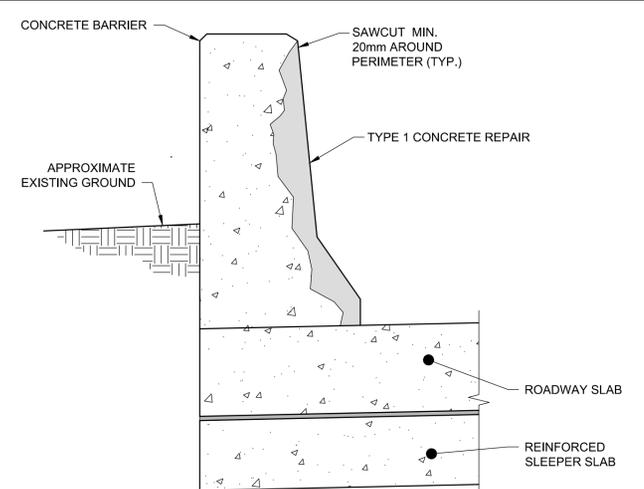
5 ROADWAY JOINT REMOVALS
1:5



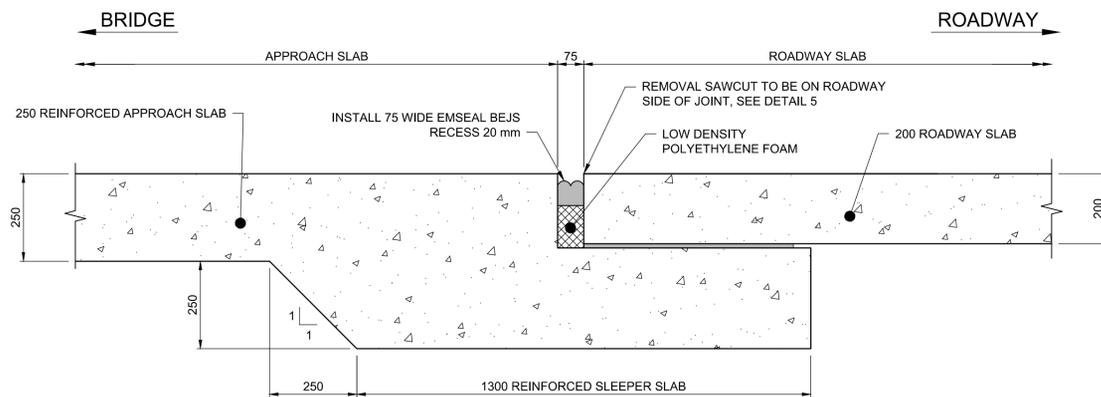
6 BARRIER JOINT REMOVALS
1:5



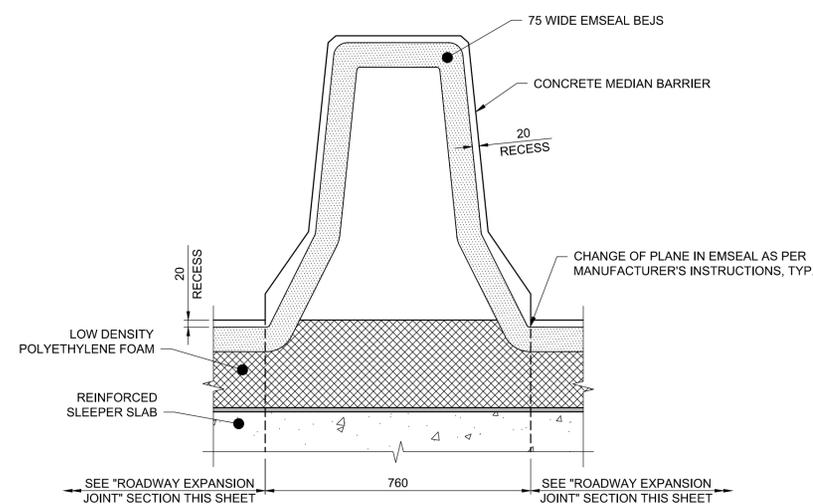
D SOUTH SHOULDER BARRIER
1:10
LOOKING WEST, SHOWING EMSEAL AND LOW DENSITY POLYETHYLENE FOAM



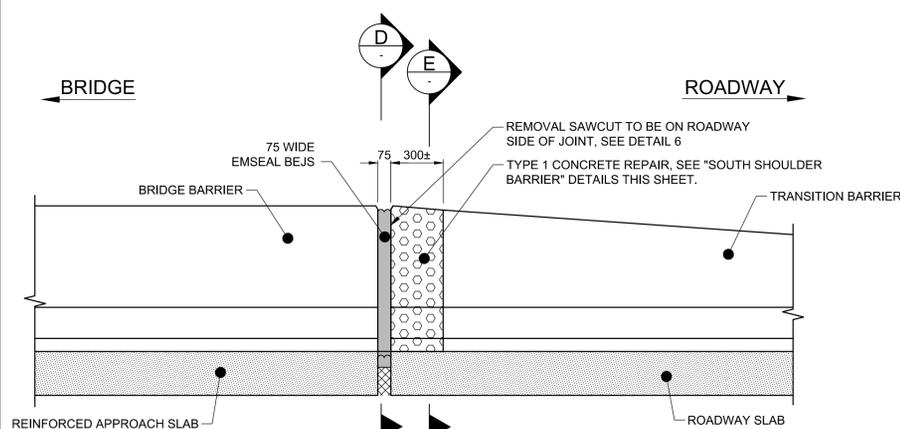
E SOUTH SHOULDER BARRIER
1:10
LOOKING WEST, SHOWING BARRIER CONCRETE REPAIR. REINFORCING NOT SHOWN FOR CLARITY



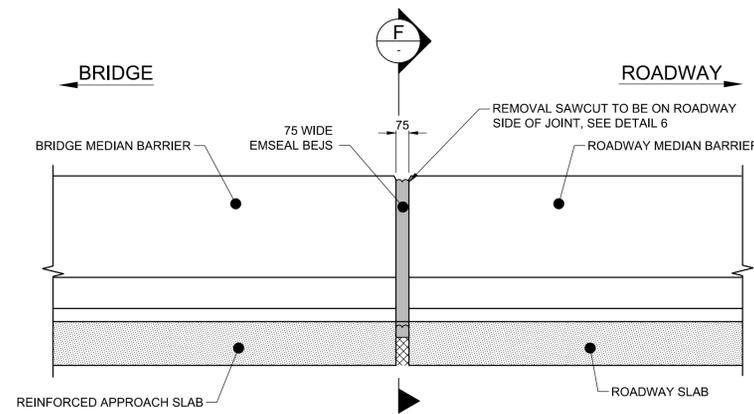
A ROADWAY EXPANSION JOINT
01 1:10



F WEST APPROACH MEDIAN BARRIER
1:10
LOOKING WEST, SHOWING EMSEAL AND LOW DENSITY POLYETHYLENE FOAM



B TRANSITION BARRIER REPAIR ELEVATION
01 1:20
LOOKING SOUTH, SLEEPER SLAB NOT SHOWN FOR CLARITY



C JOINT RENEWAL AT MEDIAN BARRIER ELEVATION
01 1:20
LOOKING SOUTH, SLEEPER SLAB NOT SHOWN FOR CLARITY

- TYPE 1 CONCRETE REPAIR METHOD**
- MIN. 20 mm SAWCUT AROUND PERIMETER OF REPAIR AREA.
 - SOUND CONCRETE, MIN. 30 mm DEEP, AND
 - IF REMOVALS EXCEED HALF DEPTH OF REINFORCING BARS, THEN CONTINUE MIN. 20 mm PAST REINFORCING BARS.
 - INSTALL EMBEDDED GALVANIC ANODES.
 - CLEAN CONCRETE REPAIR AREA AS SPECIFIED.
 - PLACE REPAIR MATERIAL.

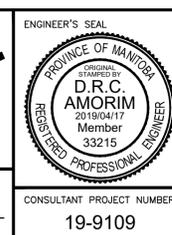
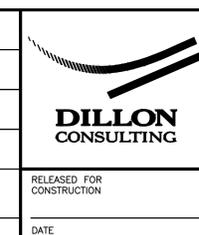
- NOTES:**
- DIMENSIONS SHOWN OF EXISTING BARRIERS ARE APPROXIMATE.
 - DIMENSIONS SHOWN OF REPAIR AREAS ARE APPROXIMATE. LAYOUT ACTUAL REPAIR AREAS WITH CONTRACT ADMINISTRATOR ON SITE.
 - SEE SPECIFICATION FOR REPAIR PREPARATION & CONCRETE REPLACEMENT DETAILS.
 - ALL REINFORCING BARS MARKED WITH 'X' FOR CONCRETE REPAIR WORKS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A1035 CS GRADE 100 LOW-CARBON CHROMIUM STEEL.
 - BARRIER CONCRETE REPAIR SHALL BE COMPLETED PRIOR TO INSTALLATION OF EMSEAL BEJS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



B.M. ELEV.	DESIGNED BY	KB
	DRAWN BY	MDG
	CHECKED BY	DRA
	APPROVED BY	RJT
	HOR. SCALE	—
	VERTICAL	—
	DATE	2019/04/17
1 ISSUED FOR CONSTRUCTION	19/04/17	KB
NO. REVISIONS	DATE	BY



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

2019 BRIDGE MAINTENANCE
B110 PROVENCHER BRIDGE

ROADWAY AND BARRIER JOINT DETAILS

CITY DRAWING NUMBER
B110-19-02

SHEET 02 OF 07

CONSULTANT PROJECT NUMBER
19-9109

CONSULTANT DRAWING NUMBER
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