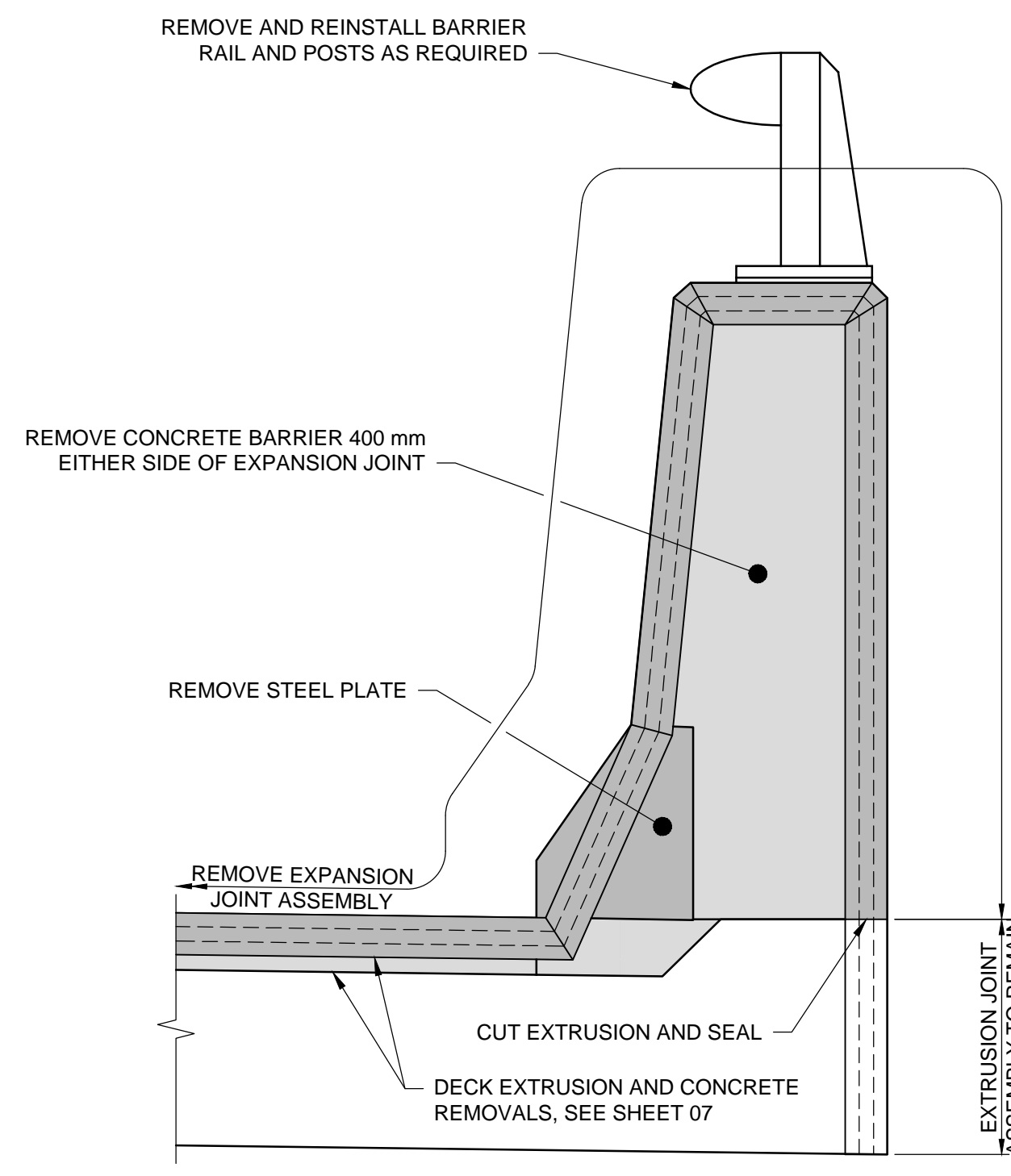
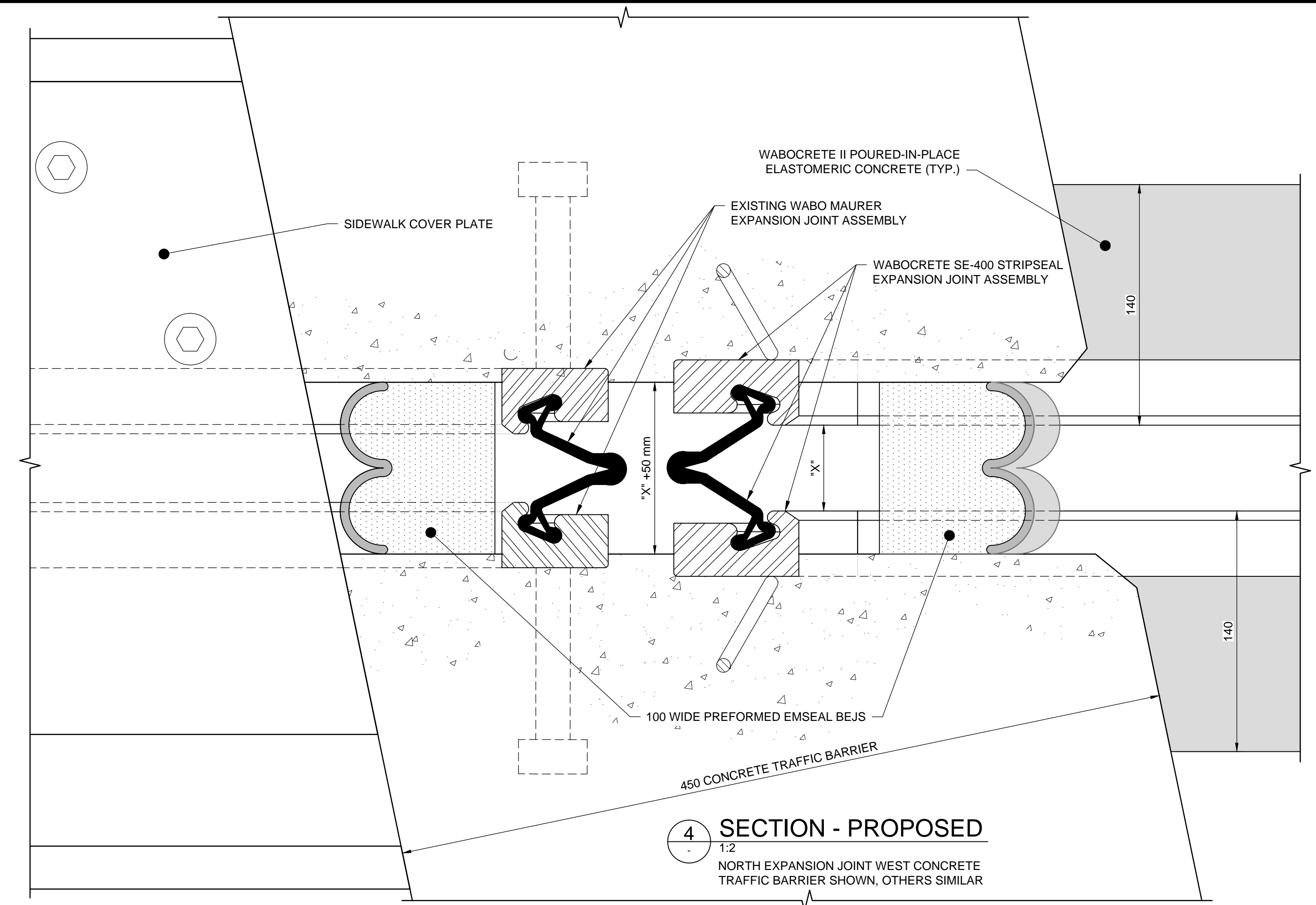


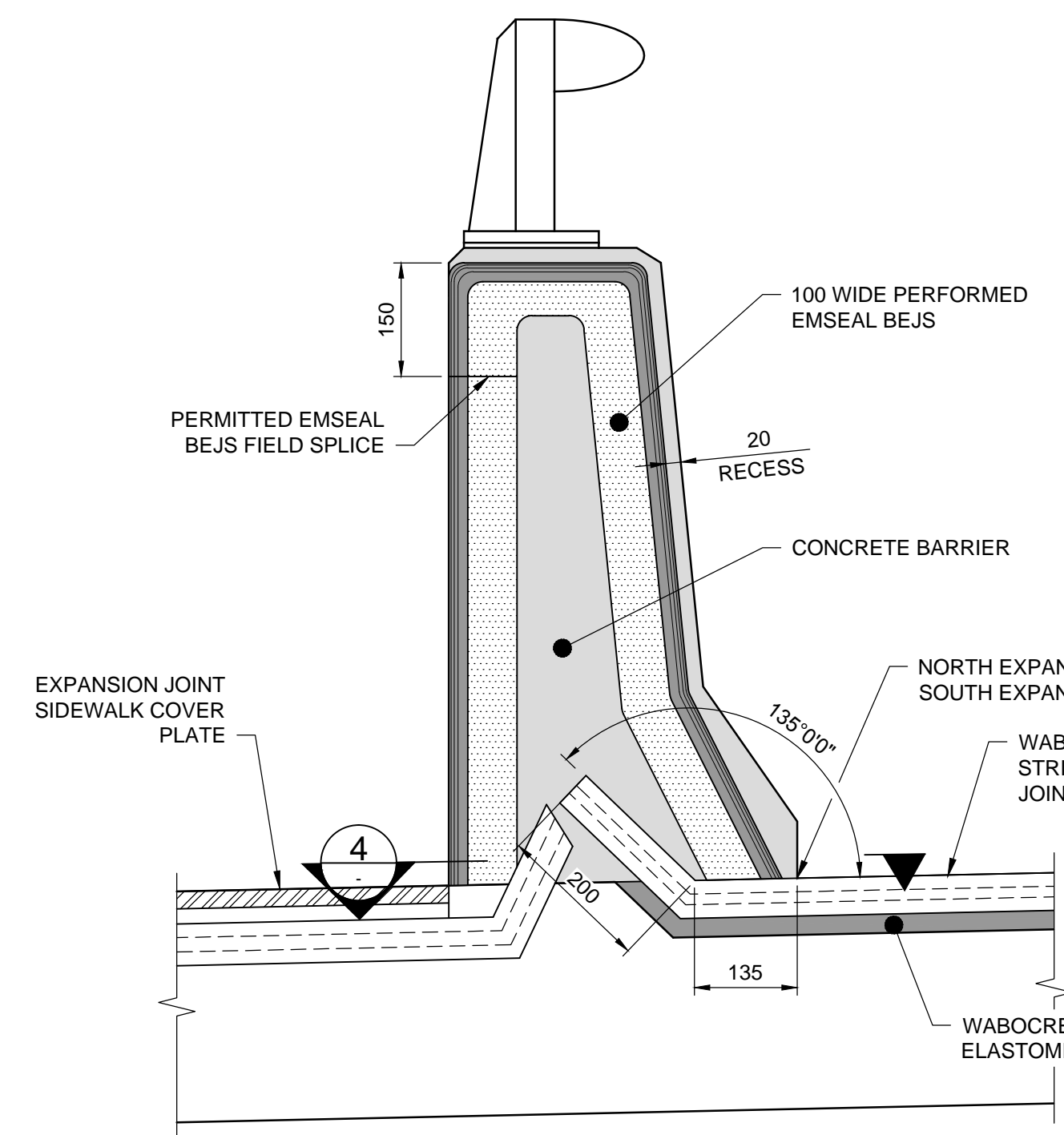
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EXISTING

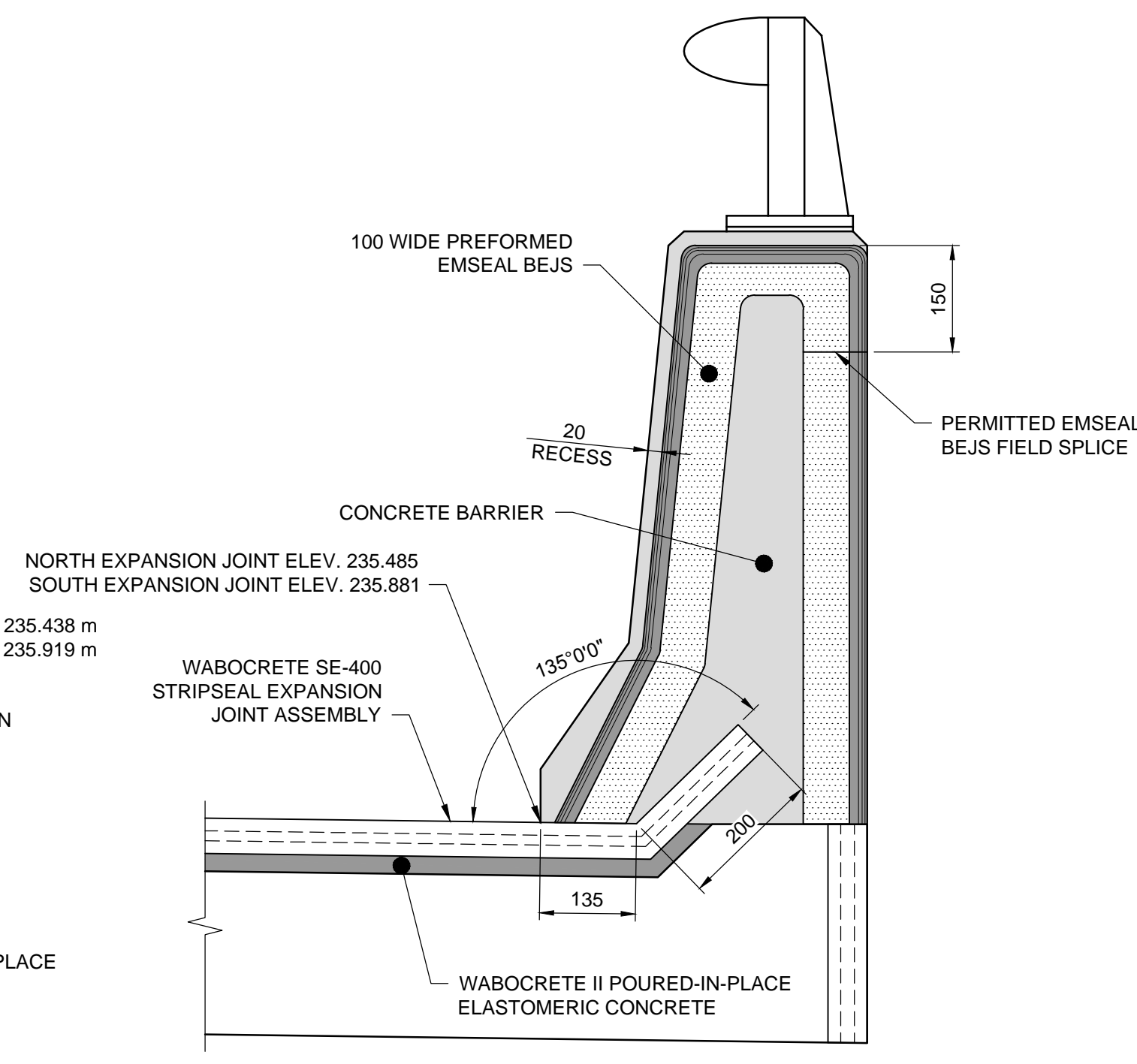


SECTION - PROPOSED
1:2
NORTH EXPANSION JOINT WEST CONCRETE TRAFFIC BARRIER SHOWN, OTHERS SIMILAR



PROPOSED

A DETAIL
1:8
NORTH EXPANSION JOINT SHOWN, SOUTH EXPANSION JOINT SIMILAR



PROPOSED

B DETAIL
1:8
NORTH EXPANSION JOINT SHOWN, SOUTH EXPANSION JOINT SIMILAR

NOTES:

- DIMENSIONS AND ELEVATIONS OF EXISTING EXPANSION JOINTS ARE APPROXIMATE.
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS OF EXPANSION JOINTS PRIOR TO FABRICATION OF THE REPLACEMENT EXPANSION JOINTS.
- DIMENSIONS SHOWN OF REPAIR AREAS ARE APPROXIMATE, LAYOUT ACTUAL REPAIR AREAS WITH THE CONTRACT ADMINISTRATOR ON SITE.
- CONCRETE BARRIER REMOVALS AND REPAIRS AT EXPANSION JOINTS SHALL BE SIMILAR TO TYPE 1B CONCRETE BARRIER REPAIRS. SEE SHEETS 03 TO 05 FOR DETAILS.
- SEE SPECIFICATION FOR REPAIR PREPARATION AND CONCRETE REPLACEMENT DETAILS.

GAP DIMENSION "X" SETTING TABLE

AMBIENT TEMPERATURE (°C)	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40
NORTH (mm)	98	92	86	80	74	68	62	56	50	44	38	32	26	20	14	8	2
SOUTH (mm)	89	84	79	74	70	65	60	55	50	45	40	35	30	26	21	16	11

GENERAL NOTES:

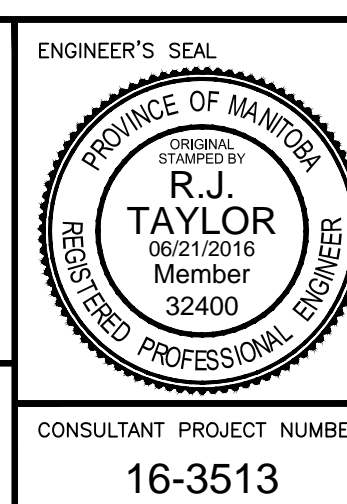
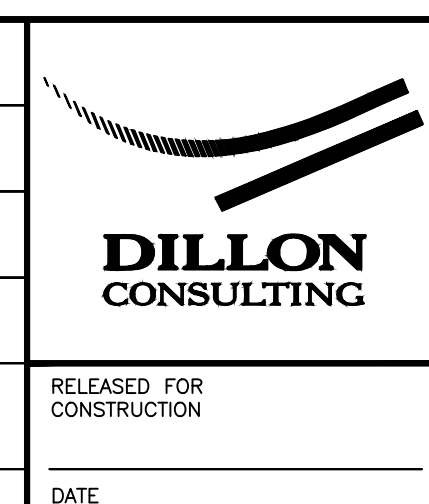
- MANUFACTURER'S SHOP DRAWINGS SHALL BE SUBMITTED TO THE CONTRACT ADMINISTRATOR FOR APPROVAL AT LEAST SEVEN (7) WORKING DAYS PRIOR TO FABRICATION. THE EXPANSION JOINT ASSEMBLIES SHALL BE DESIGNED TO CARRY CAN/CSA-S6-06 CL-625 LIVE LOADING.
- EXPANSION JOINTS SHALL BE WABOCRETE SE-400 STRIPSEAL JOINTS OR APPROVED EQUAL IN ACCORDANCE WITH B7 OF THE SPECIFICATIONS.
- STEEL SHALL BE IN ACCORDANCE WITH THE LATEST CSA STANDARD CAN/CSA G40.21M GRADE 300W OR EQUAL AND ALL SUBSEQUENT REVISIONS.
- STEEL EXTRUSIONS SHALL BE IN ACCORDANCE WITH THE LATEST CSA STANDARD CAN/CSA G40.21M GRADE 230G MINIMUM AND ALL SUBSEQUENT REVISIONS.
- ALL STEEL SURFACES SHALL BE HOT DIP GALVANIZED TO A NET RETENTION OF 610g/m² AFTER FABRICATION.
- JOINT ASSEMBLY SHALL BE FABRICATED AND COMPLETELY SHOP ASSEMBLED PRIOR TO SHIPMENT.
- EXPANSION JOINT UNITS AND RELATED MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- EXPANSION JOINTS SHALL BE INSTALLED IN THREE PIECES ACCORDING TO CONSTRUCTION STAGING AND FIELD WELDED DURING INSTALLATION. REFER TO THE MANUFACTURER'S PROCEDURE FOR INSTALLATION.
- WELDING SHALL BE LOW OXYGEN CLASSIFICATION. MANUAL ELECTRODES SHALL BE E7016 OR E7018. ALL WELDING SHALL BE IN ACCORDANCE WITH CSA STANDARD W59.
- SEAL SHALL BE EXTRUDED NEOPRENE RUBBER AS SPECIFIED. EACH SEAL SHALL BE SUPPLIED & INSTALLED IN ONE CONTINUOUS PIECE. NO SPLICE IN THE RUBBER SEAL WILL BE PERMITTED.
- 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.
- INSTALLATION TEMPERATURE SHALL BE TAKEN AS THE MEAN SHADE AIR TEMPERATURE 48 HOURS PRIOR TO JOINT INSTALLATION.
- ALL AREAS OF DAMAGED GALVANIZING SHALL BE REPAIRED BY USING THE GALVALLOY PROCEDURE AS SPECIFIED.
- PRIOR TO PLACING CONCRETE, THE EXPANSION JOINT WORKS INSTALLATION SHALL BE APPROVED BY THE CONTRACT ADMINISTRATOR.
- IMMEDIATELY PRIOR TO PLACEMENT OF CONCRETE, ALL EXISTING CONCRETE SURFACES THAT WILL BE IN CONTACT WITH THE EXPANSION JOINT CONCRETE SHALL BE COATED WITH PRIMER IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.
- LOOSEN ERECTION BOLTS WITHIN 3 HOURS OF CONCRETING TO ALLOW JOINT MOVEMENT DUE TO TEMPERATURE CHANGE.
- AFTER REMOVAL OF CLAMPING CHANNELS AND SPACER DAM, BOLT HOLES TO BE FILLED WITH AN APPROVED EPOXY GROUT.
- ALL FIELD WELDING AND ASSOCIATED FIELD GALVANIZING SHALL TAKE PLACE PRIOR TO INSTALLATION OF EXPANSION JOINT SEALS.
- ALL SURFACES IN CONTACT WITH JOINT SEALS SHALL BE CLEANED PRIOR TO INSTALLATION OF SEALS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



B.M. ELEV.	DESIGNED BY DRA
	DRAWN BY KB
	CHECKED BY RJT
	APPROVED BY SSR
	HOR. SCALE -
	VERTICAL
0 ISSUED FOR TENDER	6/21/16 RJT
NO. REVISIONS	DATE BY
	DATE JUNE 21, 2016



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Winnipeg

2016 BRIDGE MAINTENANCE - ST. JAMES
SOUTHBOUND BRIDGE REPAIRS

ST. JAMES SB EXPANSION JOINT DETAILS

CITY DRAWING NUMBER B101-16-08
SHEET 08 OF 11
CONSULTANT DRAWING NUMBER --

16-3513