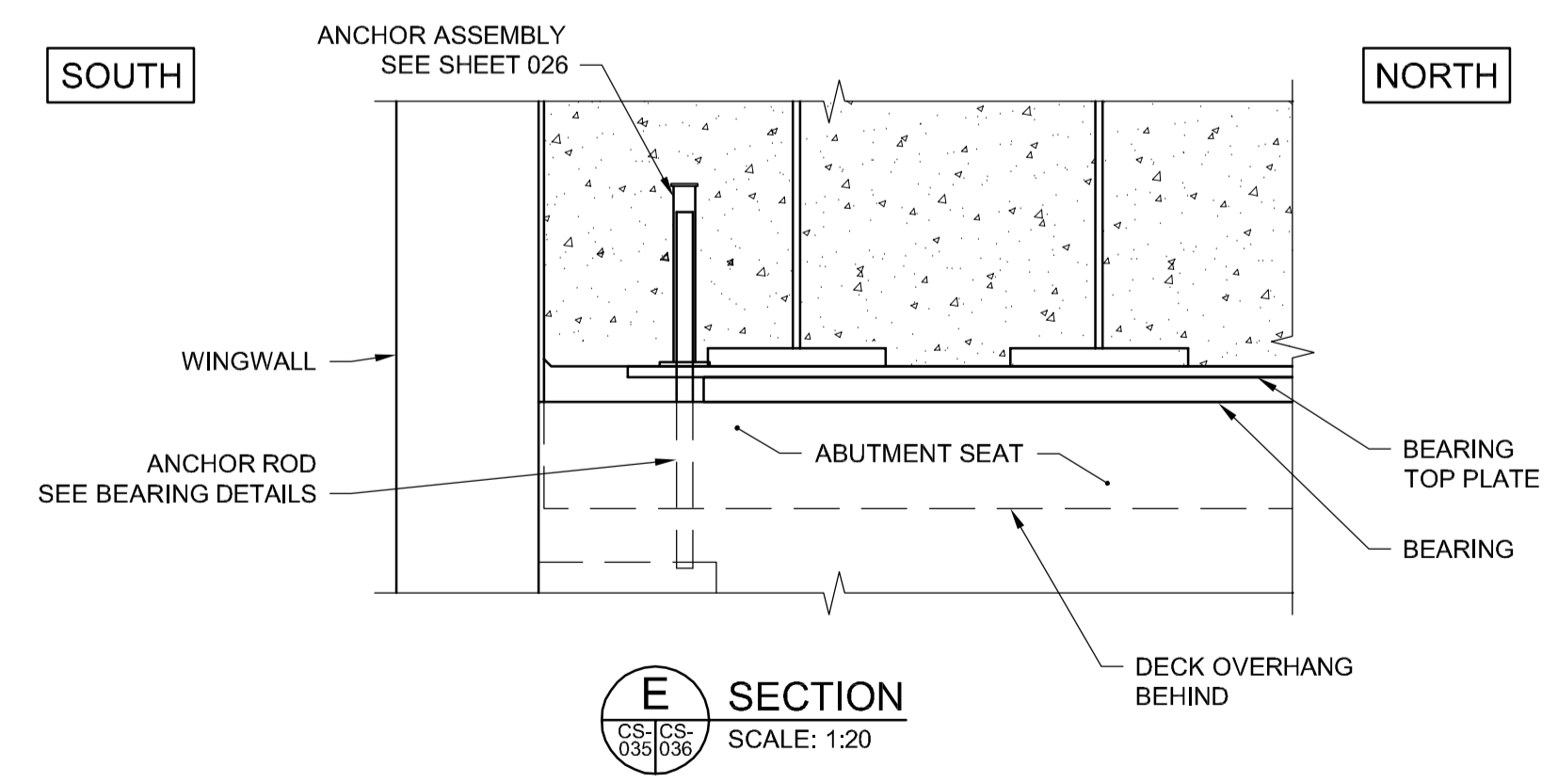
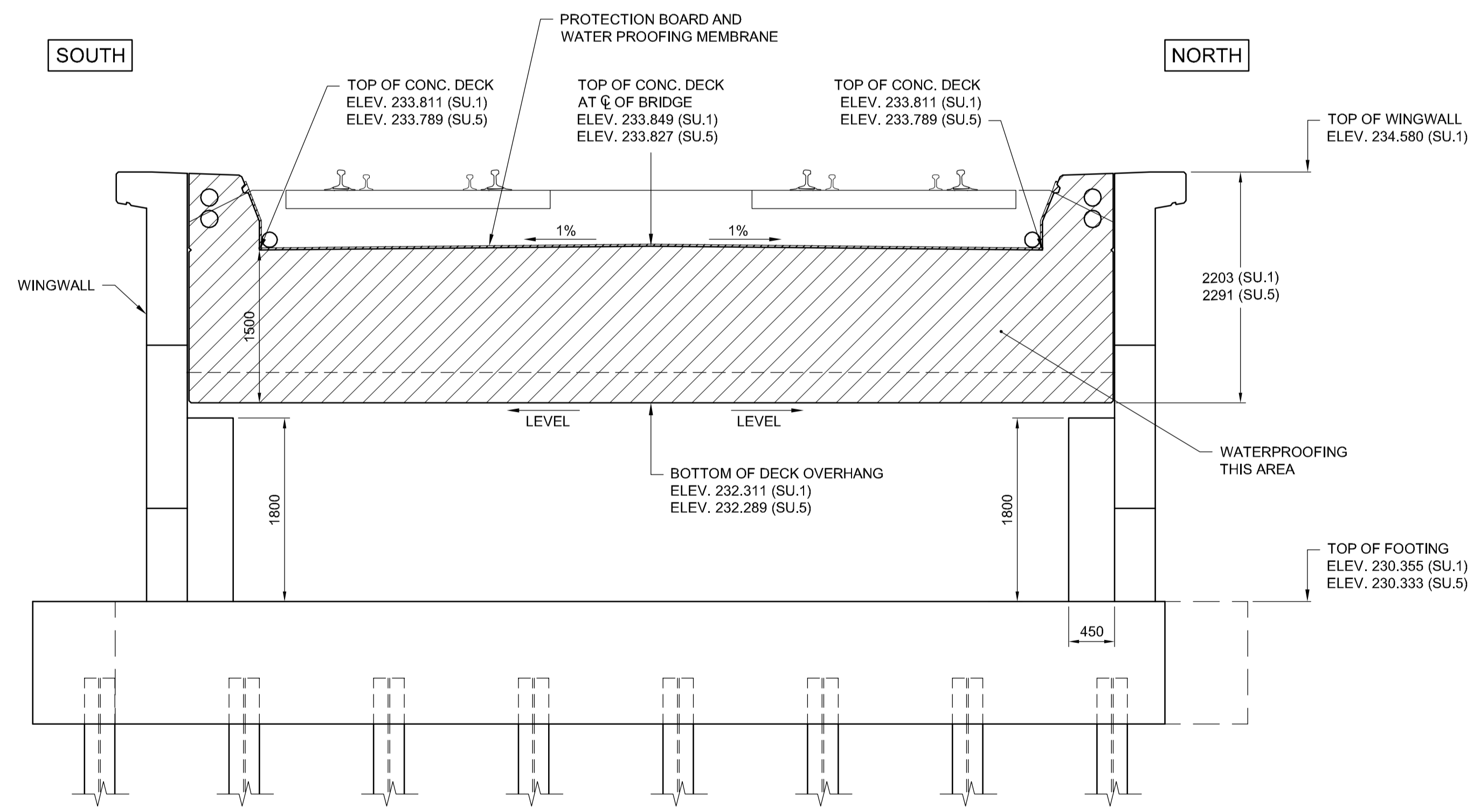


- CONCRETE DECK CONSTRUCTION NOTES:**
1. THE CONTRACTOR SHALL SUBMIT TO THE CONTRACT ADMINISTRATOR FOR REVIEW AND APPROVAL, DETAILED DESIGN CALCULATIONS AND SHOP DRAWINGS FOR ANY TEMPORARY WORKS, INCLUDING FALSE WORK FORMWORK AND SHORING, THAT ARE SEALED, SIGNED AND DATED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE PROVINCE OF MANITOBA.
 2. DECK SLAB CONCRETE SHALL BE PLACED IN ONE CONTINUOUS POUR FOR EACH SPAN. NO CONCRETE SHALL BE PLACED ON CONCRETE WHICH HAS HARDENED.
 3. CONCRETE SHALL BE PLACED IN LIFTS NOT EXCEEDING 1/3 OF THE DECK DEPTH. FIRST LIFT SHALL BE COMPLETE FOR A FULL DECK WIDTH PRIOR TO PROCEEDING WITH THE SECOND LIFT.
 4. FORMING AND PLACEMENT OF TRAINMAN'S WALKWAY SHALL PROCEED AFTER SUPERSTRUCTURE DECK IS IN PLACE.
 5. REMOVAL OF CONCRETE FORMWORK AND/OR SHORING SYSTEM SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

- CONCRETE DECK WATERPROOFING NOTES:**
1. CONCRETE DECK WATERPROOFING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF CN GUIDELINES FOR DESIGN OF RAILWAY STRUCTURES AND AREMA CHAPTER 8, PART 29.
 2. DECK WATERPROOFING SHALL BE APPLIED TO THE INSIDE SURFACES OF CURBS AND TOP SURFACE OF THE DECK AS SHOWN ON THE DRAWINGS.
 3. ALL WATERPROOFING SYSTEMS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION.
 4. SURFACE PREPARATION OF SURFACES TO BE WATERPROOFED SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE WATERPROOFING MANUFACTURER.
 5. WATERPROOFING MEMBRANE PROTECTION PANELS SHALL BE LAID IN TWO LAYERS WITH STAGGERED JOINTS.
 6. FOR WATERPROOFING OVER EXPANSION JOINTS REFER TO SHEET C2-CS-046.



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APEGM
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: 2017/01/09

DESIGNED BY	RE	CHECKED BY	SSR
DRAWN BY	NBG	APPROVED BY	DBW
HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION	
VERTICAL	AS SHOWN		
ISSUED FOR TENDER	17/01/09	RE	
NO. REVISIONS	DATE	BY	DATE

ENGINEER'S SEAL
PROVINCE OF MANITOBA
R.B. ERIC
Member 22665
REGISTERED PROFESSIONAL ENGINEER
CONSULTANT PROJECT NUMBER
16-3353

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
Winnipeg
WAVERLEY STREET UNDERPASS AT CN MILE 3.89 RIVERS SUB
CONTRACT 2: UNDERPASS STRUCTURE, RAILWORKS,
ROADWORKS, LAND DRAINAGE SEWER, PUMPING STATION
AND LANDSCAPING WORKS
CITY DRAWING NUMBER
U-239-2016-C2-CS-036
SHEET 036 OF 085
CONSULTANT DRAWING NUMBER
C2-CS-036

DECK SLAB CONCRETE DETAILS