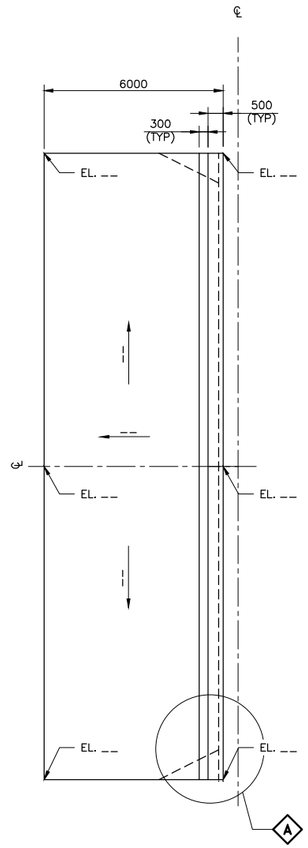
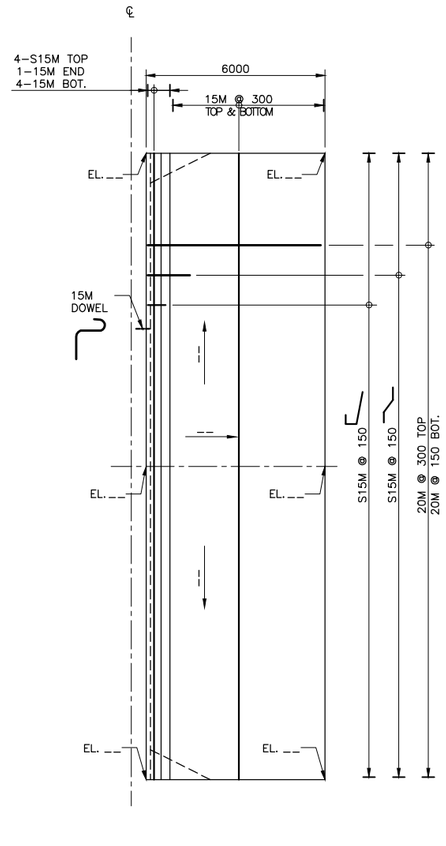
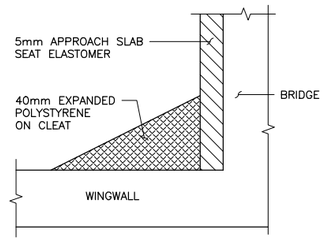


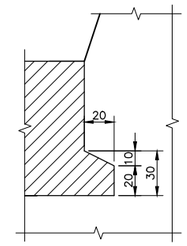


PLAN
SCALE 1:100

NOTE: REINFORCING STEEL SIMILAR AT BOTH APPROACH SLABS

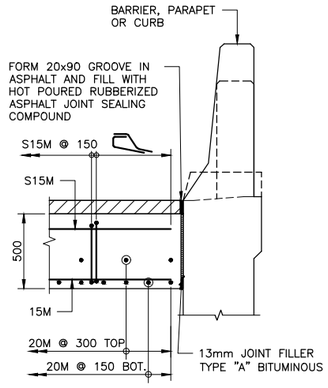


A DETAIL AT CLEAT
SCALE 1:20

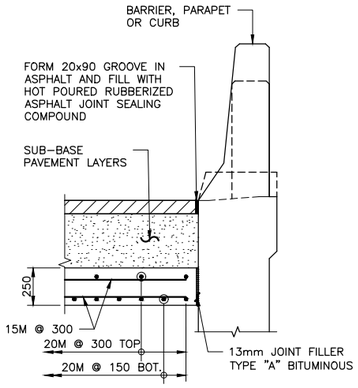


B CHASE DETAIL
SCALE 1:2

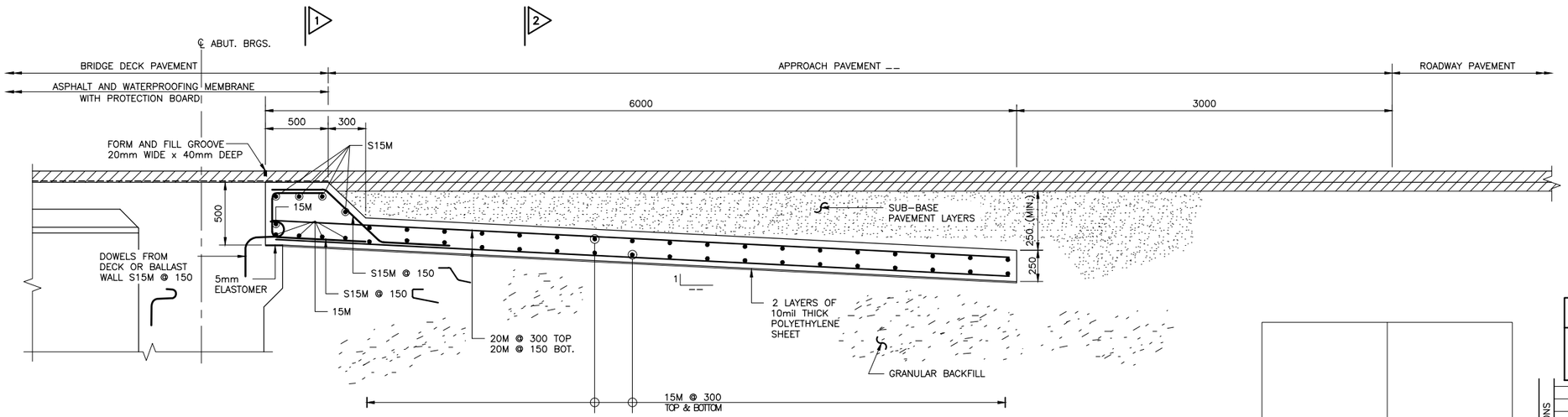
NOTE: DETAIL ENDS AT BRIDGE DECK PAVEMENT



1
SCALE 1:20



2
SCALE 1:20



LONGITUDINAL SECTION
SCALE 1:20

NOTES:

1. CLEAR COVER TO REINFORCING STEEL: 70±20mm EXCEPT AS NOTED.
2. REINFORCING STEEL BARS SHALL BE GRADE 500W UNLESS SHOWN OTHERWISE ON GENERAL ARRANGEMENT.
3. STAINLESS STEEL BARS SHALL BE TYPE 316 LN OR DUPLEX 2304 WITH A MINIMUM YIELD STRENGTH OF 520 MPa.
4. TOP OF CLEAT TO BE 35 mm BELOW THE UNDERSIDE OF THE BURIED APPROACH SLAB.
5. WATERPROOFING AT THE JOINT BETWEEN THE BRIDGE DECK AND APPROACH SLAB TO BE IN ACCORDANCE WITH OPSD 3370.100.
6. TOP SURFACE OF APPROACH SLAB TO BE GIVEN A BROOMED FINISH.
7. CROSSFALL OF APPROACH SLAB SHALL MATCH THE ROADWAY SURFACE.

APPLICABLE STANDARD DRAWINGS:

OPSD 3329.100 DECK REINFORCMENT SUPPORTS FOR REINFORCING STEEL FOR SLAB DEPTH 300m OR LESS

OPSD 3370.100 DECK, WATERPROOFING, HOT APPLIED ASPHALT MEMBRANE WITH PROTECTION BOARD

OPSD 3370.101 DECK WATERPROOFING, HOT APPLIED ASPHALT MEMBRANE AT ACTIVE CRACKS GREATER THAN 2mm WIDE AND CONSTRUCTION JOINTS

NOTES TO DESIGNER:

1. THIS STANDARD APPLIES TO BURIED APPROACH SLABS FOR STEEL INTEGRAL AND SEMI–INTEGRAL ABUTMENT BRIDGES WITH LENGTHS MORE THAN 30m BUT NOT EXCEEDING 100m AND FOR CONCRETE INTEGRAL AND SEMI–INTEGRAL ABUTMENT BRIDGES WITH LENGTHS MORE THAN 30m BUT NOT EXCEEDING 125m.
2. UPDATE PLAN VIEW TO SHOW BARRIER WALLS, CURBS, SIDEWALKS, MEDIANS, OR MSE BARRIER WALLS AS REQUIRED AROUND APPROACH SLABS.
3. SPECIFY THE SLOPE OF THE APPROACH SLAB IN SECTION AND PLAN.
4. SPECIFY THE THICKNESS OF THE APPROACH PAVEMENT IN SECTION.
5. UPDATE AND/OR CREATE SECTION VIEWS TO REFLECT BARRIER WALLS, CURBS, SIDEWALKS, MEDIANS, OR MSE BARRIER WALLS CONSISTENT WITH BRIDGE COMPONENTS USED.
6. A 5% SLAB INCLINATION IS RECOMMENDED BUT A MINIMUM OF 2% TO A MAXIMUM OF 10% INCLINATION MAY BE CONSIDERED AS A PROJECT–SPECIFIC CONDITION.
7. SPECIFY TOP OF CONCRETE ELEVATIONS AT ALL TRANSITIONS IN CROSSFALL.
8. DELETE SECTIONS THAT DO NOT APPLY.
9. THE 'NOTES TO DESIGNERS' SHALL BE DELETED PRIOR TO ISSUING THE CONTRACT.

REFER TO 1.1.8 IN THE STRUCTURAL MANUAL FOR PROFESSIONAL ENGINEER STAMPING REQUIREMENTS.

Ontario Ministry of Transportation

CONT
WP

DRAFT

BURIED APPROACH SLAB INTEGRAL AND SEMI INTEGRAL ABUTMENT BRIDGES (DRAFT)

SHEET

METRIC
MILLIMETRES OR METRES
(UNLESS NOTED)

STANDARD DRAWING
SEPTEMBER 2025

SS105–18

BURIED APPROACH SLAB INTEGRAL AND SEMI INTEGRAL ABUTMENT BRIDGES (DRAFT)

REVISIONS			
DATE	BY	DESCRIPTION	
DESIGN	CHK	CODE CHBDC–19 LOAD	DATE
DRAWN	CHK	SITE	DWG