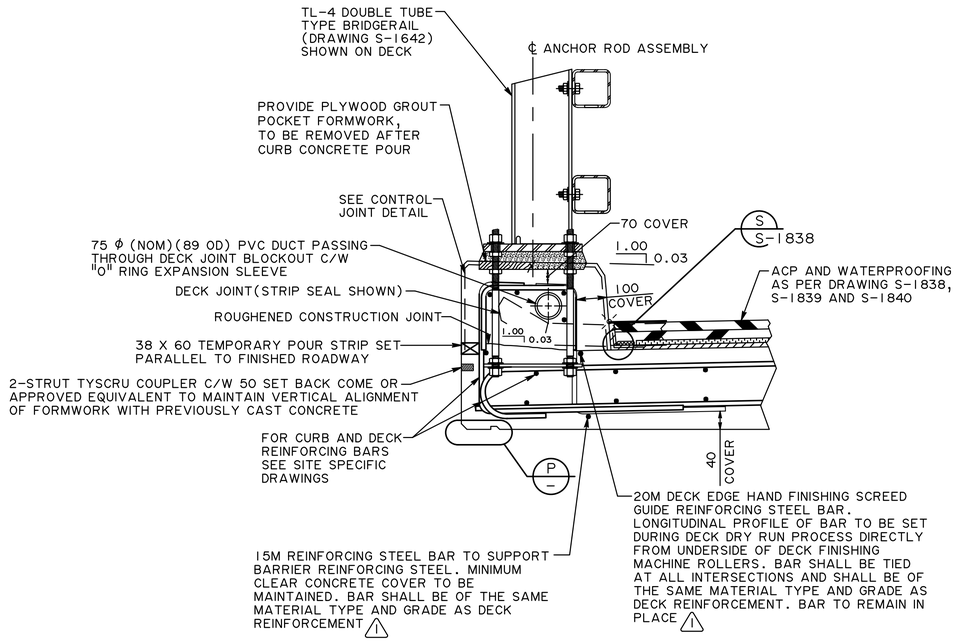
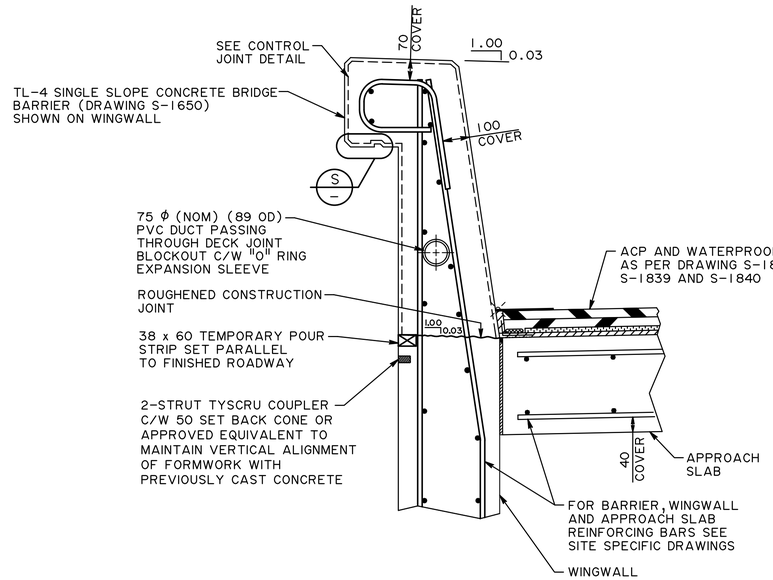


TYPICAL BARRIER ON DECK DETAIL

(TL-4 DOUBLE TUBE TYPE RAIL SHOWN) 1:10

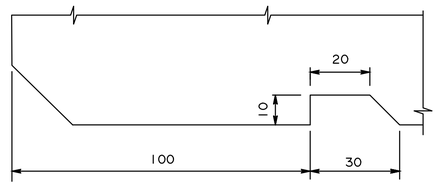


TYPICAL BARRIER ON WINGWALL DETAIL

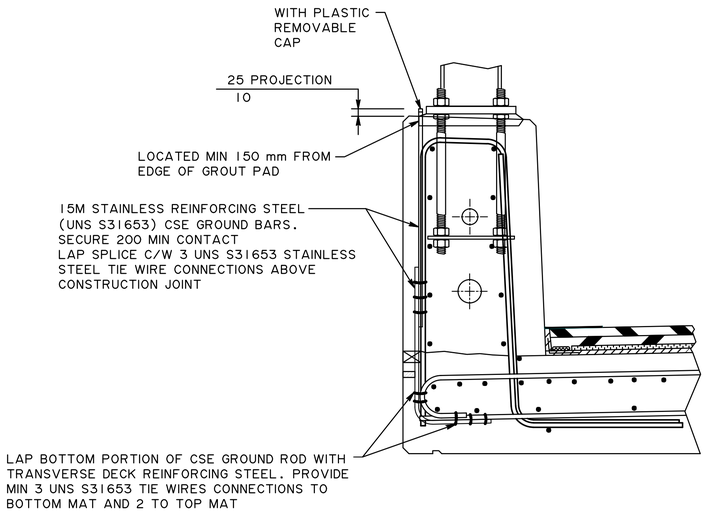
(TL-4 SINGLE SLOPE CONCRETE BARRIER SHOWN) 1:10

GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
- CLEAR CONCRETE COVER IS 60 UNLESS NOTED OTHERWISE. THE CONCRETE COVER TO REINFORCING STEEL SHALL BE WITHIN CONCRETE PLACEMENT TOLERANCES AS SPECIFIED IN THE STANDARD SPECIFICATIONS FOR BRIDGE CONSTRUCTION SECTION 5
- ALL EXPOSED CORNERS SHALL HAVE A 20 CHAMFER
- FOR CONCRETE SURFACE FINISHES AND SEALERS SEE THE STANDARD SPECIFICATIONS FOR BRIDGE CONSTRUCTION SECTION 4
- THESE BARRIER/CURB SECTIONS ARE SHOWN TO SCHEMATICALLY CONVEY THE DETAILS ILLUSTRATED IN THE SECTIONS. ANY OF THE DEPARTMENTS STANDARD BARRIERS MAY BE USED ON THE DECK OR WINGWALLS AS APPROPRIATE. REFER TO THE DEPARTMENT'S BRIDGE STRUCTURES DESIGN CRITERIA AND STANDARD BARRIER DRAWINGS FOR ADDITIONAL INFORMATION



P DRIP DETAIL 1:1

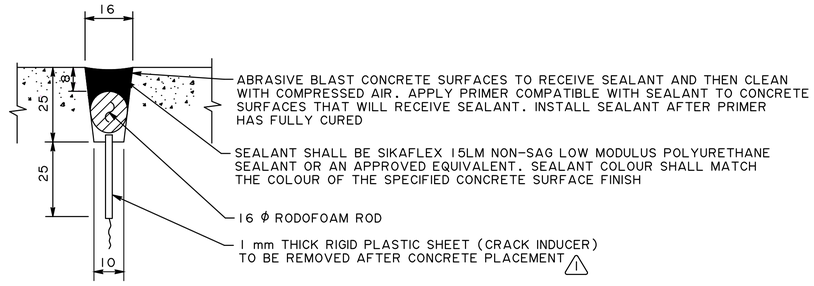


CSE CONNECTION DETAIL 1

1:10

NOTES:

- ELECTRICAL CONTINUITY MEASUREMENTS SHALL BE TAKEN BETWEEN GROUND LOCATIONS AND SHALL NOT EXCEED 0.1 OHMS. ELECTRICAL CONTINUITY SHALL BE VERIFIED BEFORE AND AFTER CONCRETE PLACEMENT. MEASURED POST CONCRETE PLACEMENT ELECTRICAL CONTINUITY TO BE RECORDED ON RECORD DRAWINGS
- 2 GROUND BARS SHALL BE INSTALLED WITHIN EACH MAX 50 m OF BRIDGE LENGTH. GROUND BARS SHALL BE INSTALLED IN ALTERNATE BARRIERS AT OPPOSITE ENDS OF EACH MAX 50 m BRIDGE LENGTH SEGMENT



NOTE:

- AFTER THE ENTIRE DECK HAS BEEN CAST, THE CONCRETE BARRIER SHALL BE PLACED CONTINUOUSLY WITH FORMED CONTROL JOINTS AT THE SPACING SPECIFIED ON THE REFERENCED BARRIER STANDARD DRAWING. LONGITUDINAL REINFORCEMENT SHALL BE DISCONTINUOUS AT THE CONTROL JOINT AND HAVE 60 CLEAR CONCRETE COVER FROM THE CENTRELINE OF THE CONTROL JOINTS
- CONTROL JOINTS SHALL BE CENTRED BETWEEN BRIDGERAIL, HANDRAIL, AND/OR SAFETY RAIL POSTS
- CONTROL JOINT CRACK INDUCER SHALL BE REMOVED PRIOR TO SURFACE PREPARATION AND APPLICATION OF SEALANT PRIMER
- CONTROL JOINT SEALANT SHALL BE APPLIED AND CURED PRIOR TO PLACING WATERPROOFING AND ACP

CONTROL JOINT DETAIL

1:1

DETAILS SHOWN ARE CONCEPTUAL AND REPRESENT DEPARTMENT PRACTICES AS REFERENCED IN THE BRIDGE STRUCTURES DESIGN CRITERIA. THE CONSULTANT IS FULLY RESPONSIBLE FOR DESIGNING THE DETAILS AND SHALL INCORPORATE THE DETAILS ON THE SITE SPECIFIC DRAWINGS AS APPROPRIATE

NOT FOR CONSTRUCTION

REV	DATE	REVISION	BY
5			
4			
3			
2			
1	2023-10-01	GENERAL REVISIONS	mk

DESIGNER	ORIGINAL SIGNED BY MT	CHECKER	ORIGINAL SIGNED BY DB

RECOMMENDED DIRECTOR BRIDGE ENGINEERING
ORIGINAL SIGNED BY JOHN ALEXANDER

APPROVED EXECUTIVE DIRECTOR TECHNICAL STANDARDS BRANCH
ORIGINAL SIGNED BY DES WILLIAMSON
DATE 2021-03-02

Alberta Transportation

TYPICAL BARRIER AND WINGWALL DETAILS

DATE	SHEET	DRAWING
2020-09-04	1 OF 1	T-1680-20