

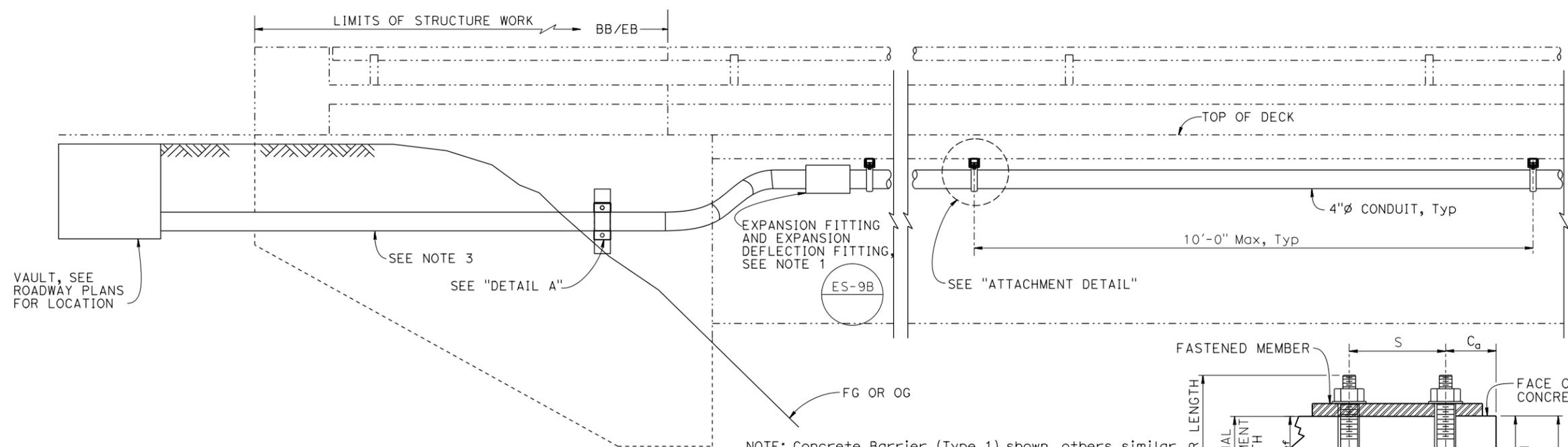
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER X DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

THE REGISTERED CIVIL ENGINEER FOR THE PROJECT IS RESPONSIBLE FOR THE SELECTION AND PROPER APPLICATION OF THE COMPONENT DESIGN AND ANY MODIFICATIONS SHOWN.



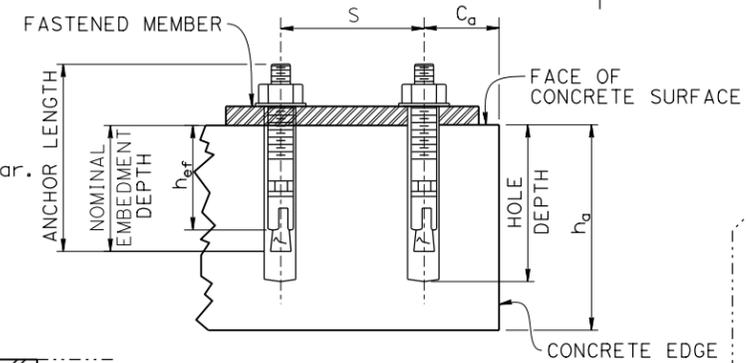
CONCRETE ANCHORAGE REQUIREMENTS				
Anchor Diameter (in)	Minimum Effective Embedment h_{ef} (in)	Minimum Concrete Thickness h_a (in)	Minimum Edge Distance C_a (in)	Minimum Anchor Spacing S (in)
1/2	3/4	6	4	4

EXPANSION FITTING INSTALLATION POSITION TABLE	
INSTALLATION PERIOD	% OF MAXIMUM EXPANSION RANGE
December to February	80%
March to May and September to November	50%
June to August	20%

- NOTES:
- Expansion fittings and expansion-deflection fittings shall be installed adjacent to BB, EB, joints and hinges (within 8 feet). Fittings must be able to handle up to the Movement Range (MR) noted for the bridge. For expansion fitting installation, see "EXPANSION FITTING INSTALLATION POSITION TABLE." For diaphragm abutments, fittings to accommodate movement may be relocated along the wing wall before conduit is buried or it may be omitted as directed by the Engineer.
 - For vault locations and other details not shown, see ROADWAY PLANS.
 - Type 1 conduit continues to vault near bridge.
 - For short overhangs with reduced space, bridging over the drip groove will be allowed as directed by the Engineer.
 - All mounting hardware shall be protected against corrosion.
 - Use 4"Ø conduit, (optional 5"Ø conduit is allowed).
 - For 4"Ø conduit, a minimum bend radius of 2'-0" is required to allow cable pulls through the conduit.

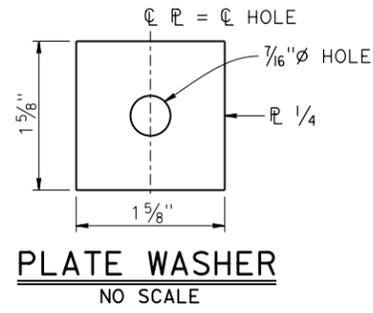
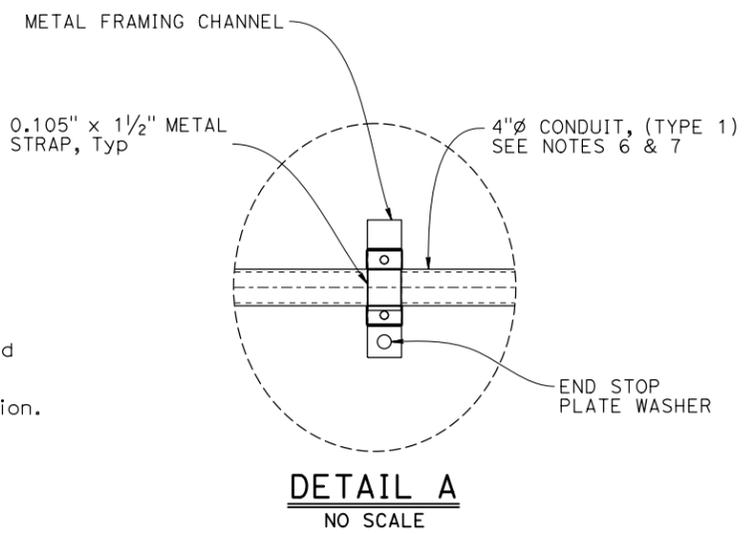
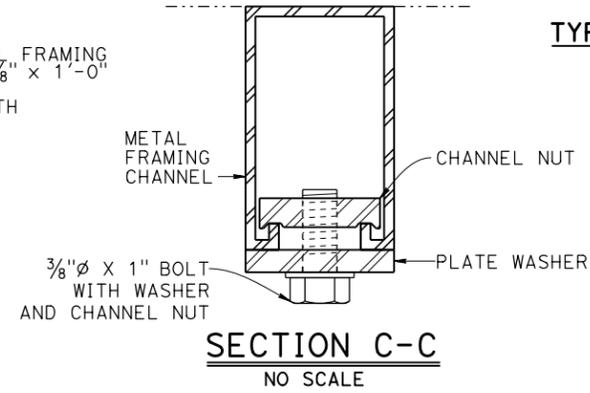
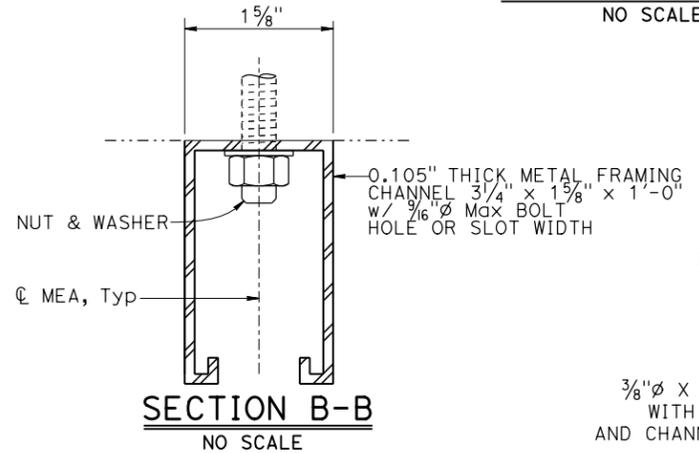
NOTE: Concrete Barrier (Type 1) shown, others similar.

PART ELEVATION
NO SCALE

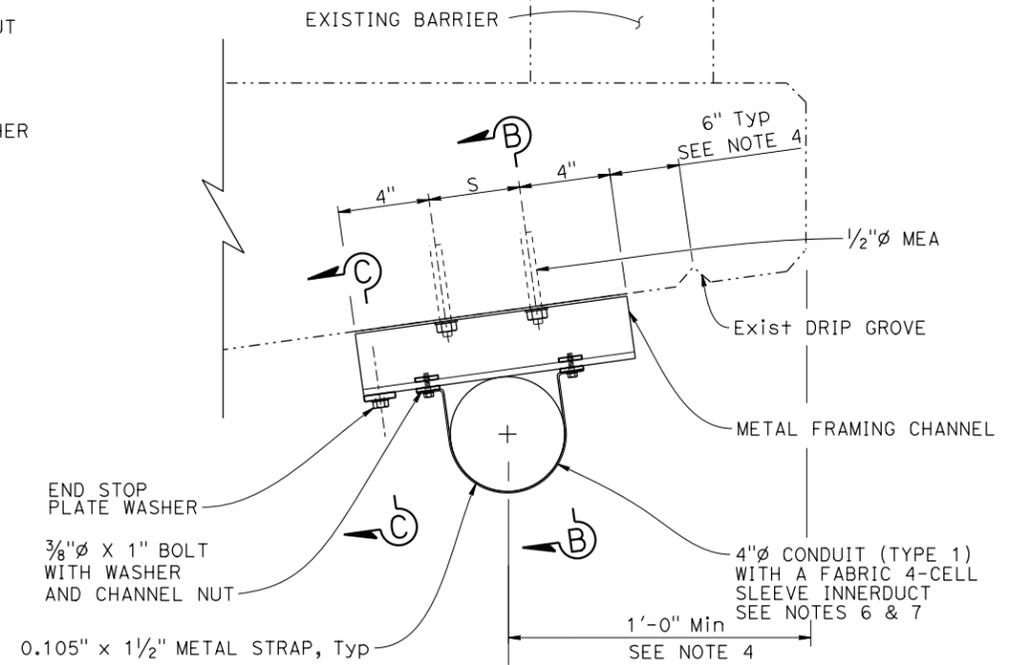


TYPICAL STUD TYPE (WEDGE)

STUD MEA
NO SCALE



LEGEND:
- - - Existing Structure
MEA - Mechanical Expansion Anchor



NOTE: Concrete barrier (Type 1) shown, others similar.

ATTACHMENT DETAIL
NO SCALE

BRIDGE STANDARD DETAILS

xs20-020-1 FILE NO.

MAY 2023 APPROVAL DATE

The components of the Bridge Standard Details have been prepared under the responsible charge of the Technical Owner, a registered civil engineer in the State of California.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE No. XX-XXXX
POST MILE X.X

COMMUNICATION CONDUIT AIT (OVERHANG/ SLAB)

REVISION DATES SHEET OF

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