

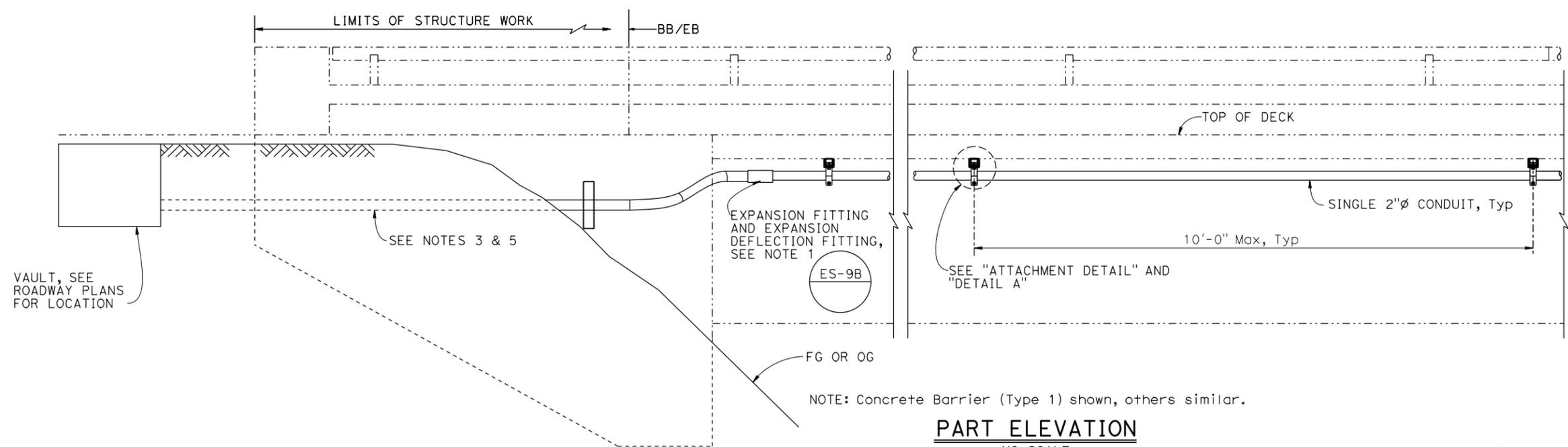
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

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.

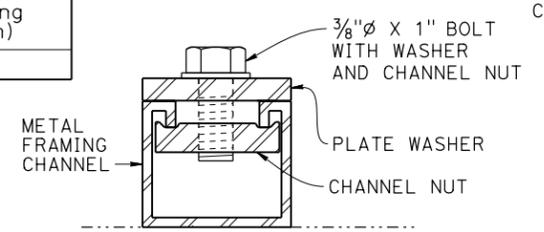


**PART ELEVATION**  
NO SCALE

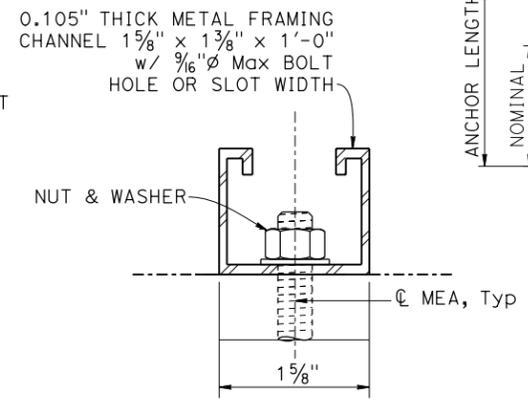
Anchor Diameter (in)	Minimum Effective Embedment $h_{ef}$ (in)	Minimum Concrete Thickness $h_a$ (in)	Minimum Edge Distance $C_a$ (in)	Minimum Anchor Spacing $S$ (in)
1/2	2	6	6	3

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

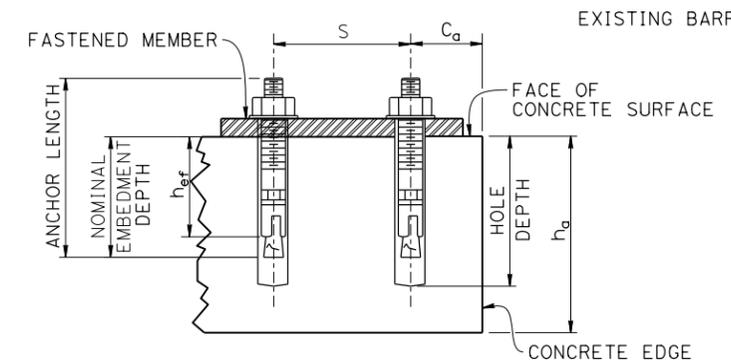
- NOTES:
- Expansion fittings and expansion-deflection fittings shall be installed adjacent to BB, EB, joints or hinges (within 8 feet). Fittings must be able to handle up to the Movement Range (MR) noted for the bridge. For expansion fitting installation, see "EXPANSION FITTING INSTALLATION POSITION TABLE."
  - For 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.
  - For 2"Ø conduits, a minimum bend radius of 1'-8" is required if the total bend degrees between pull point/vaults is 90 degrees or less. For total bend degrees from 90 to 180, the minimum bend radius for all bend fittings is 2'-0".
  - All mounting hardware shall be protected against corrosion.



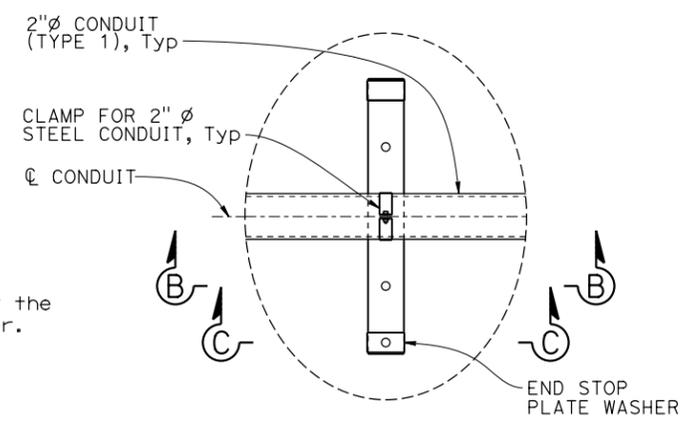
**SECTION C-C**  
NO SCALE



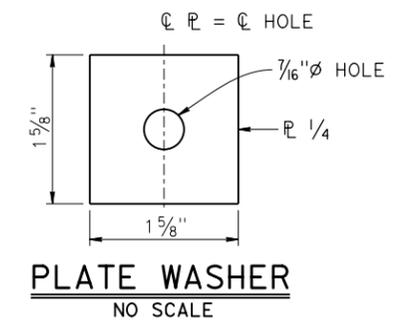
**SECTION B-B**  
NO SCALE



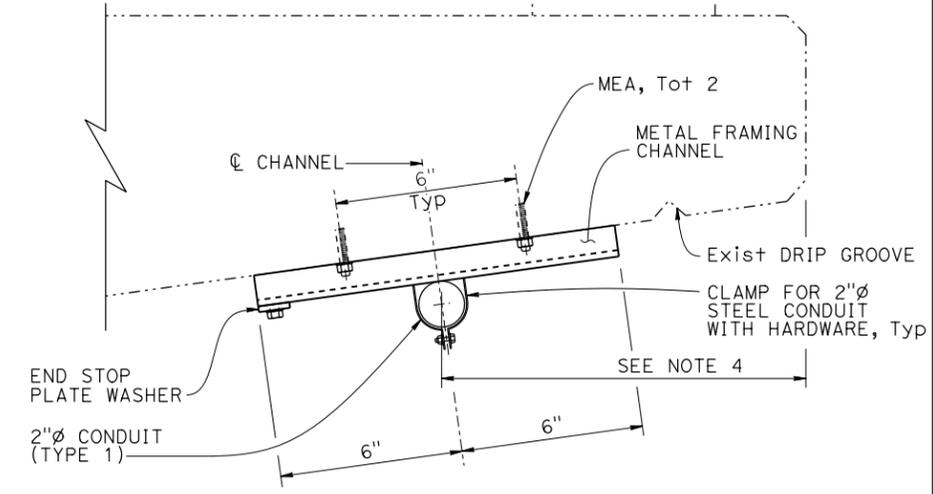
**TYPICAL STUD TYPE (WEDGE)**  
**STUD MEA**  
NO SCALE



**DETAIL A**  
NO SCALE



**PLATE WASHER**  
NO SCALE



**ATTACHMENT DETAIL**  
NO SCALE

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

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

BRIDGE STANDARD DETAILS			STATE OF CALIFORNIA			DIVISION OF ENGINEERING SERVICES			COMMUNICATION CONDUIT (OVERHANG/ SLAB)		
xs20-015-1	AUGUST 2023	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.	DEPARTMENT OF TRANSPORTATION			BRIDGE No. XX-XXXX			PROJECT NUMBER & PHASE: XXXXXXXXXX1		
FILE NO.	APPROVAL DATE					POST MILE X.X			COUNTY/ROUTE: XXX/XXX		
						CONTRACT No.: XX-XXXXX4			DISREGARD PRINTS BEARING EARLIER REVISION DATES		
									REVISION DATES		
									SHEET OF X X		

Refer to: <http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html>

DATE PLOTTED => 7-SEP-2023 TIME PLOTTED => 11:31 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

FILE => 20230907\_xs20-015-1.dgn USERNAME => s155182