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

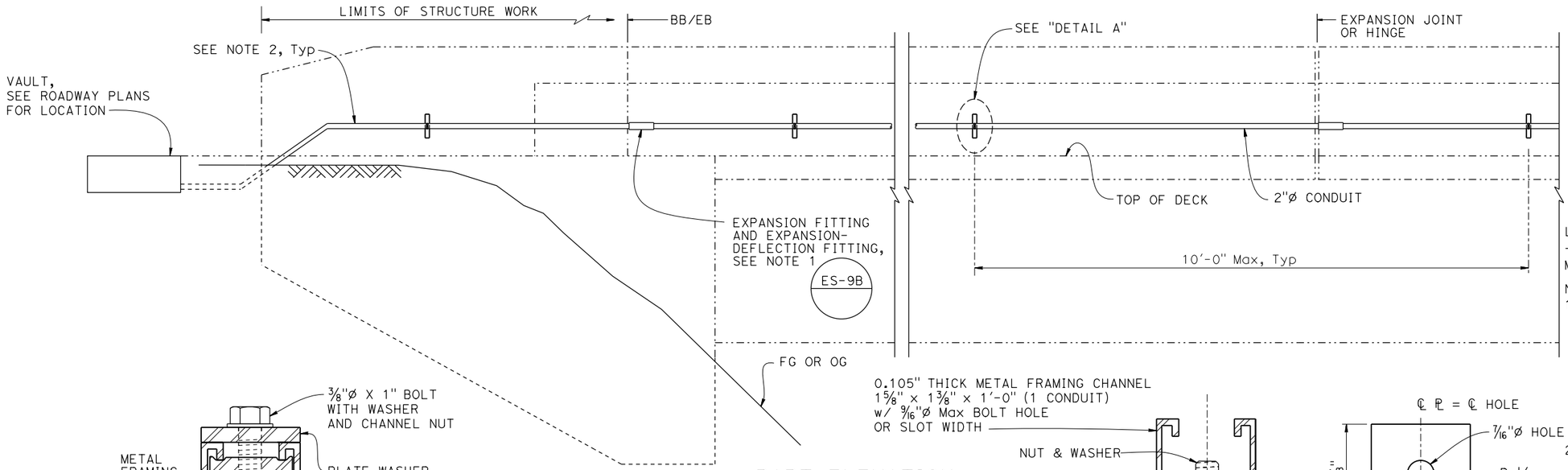
REGISTERED CIVIL ENGINEER — DATE X

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — CIVIL — STATE OF CALIFORNIA

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.

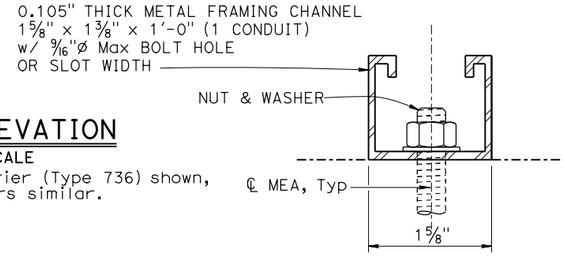
THE REGISTERED CIVIL ENGINEER FOR THE PROJECT IS RESPONSIBLE FOR THE SELECTION AND PROPER APPLICATION OF THE COMPONENT DESIGN AND ANY MODIFICATIONS SHOWN.



PART ELEVATION
NO SCALE

NOTE: Concrete Barrier (Type 736) shown, other barriers similar.

SECTION C-C
NO SCALE



SECTION B-B
NO SCALE

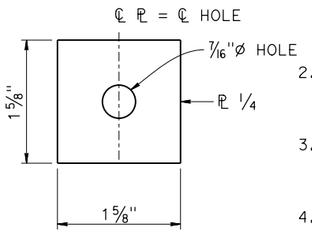
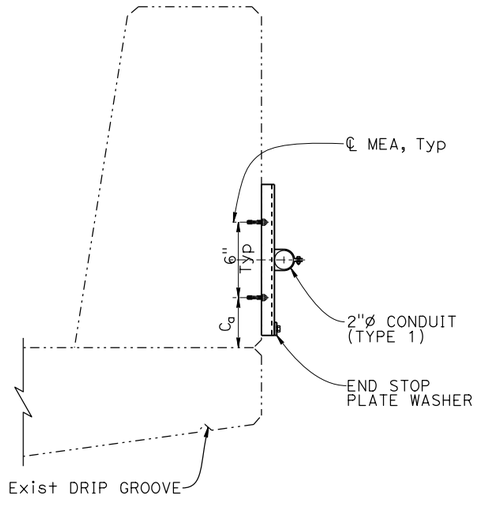


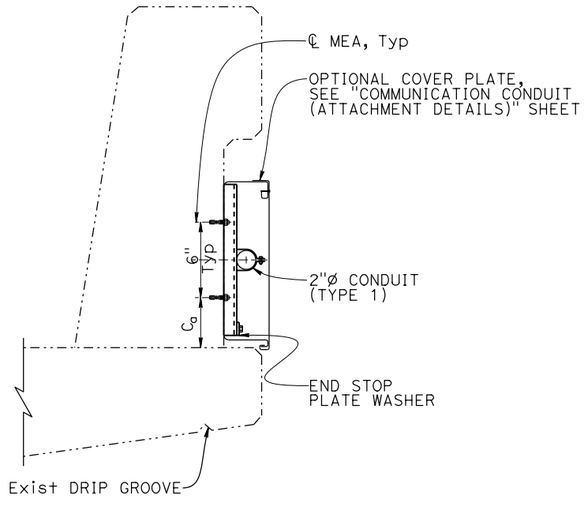
PLATE WASHER
NO SCALE

LEGEND:
- ·-·-·-· Existing structure
- MEA - Mechanical Expansion Anchor

NOTES:
1. 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."
2. For vault locations and other details not shown, see ROADWAY PLANS.
3. For additional details and "OPTIONAL COVER DETAIL", see "COMMUNICATION CONDUIT (ATTACHMENT DETAILS)" sheet.
4. 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".
5. All mounting hardware shall be protected against corrosion.

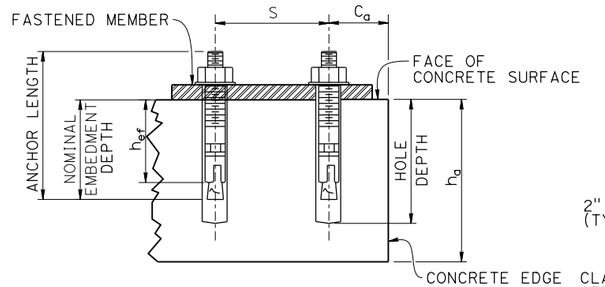


BARRIER (NO INSET)



BARRIER (INSET)

ATTACHMENT DETAIL
NO SCALE

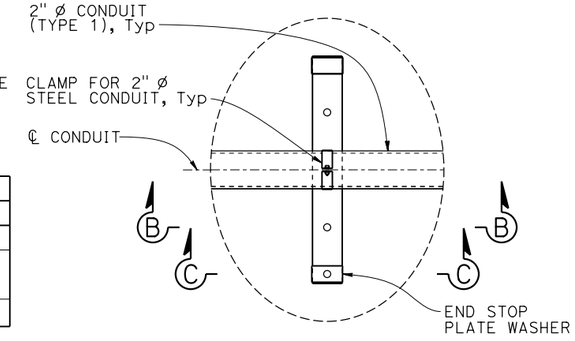


TYPICAL STUD TYPE (WEDGE)

STUD MEA

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%

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)
3/8	1 1/2	6	6	3



DETAIL A
NO SCALE

BRIDGE STANDARD DETAILS		
xs20-015-2 (FILE NO.)	AUGUST 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 (BARRIER)

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
FILE => 20230907_xs20-015-2.dgn USERNAME => s155182
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: XXXX
PROJECT NUMBER & PHASE: XXXXXXXXXX1
COUNTY/ROUTE: XXX/XXX
CONTRACT No.: XX-XXXXX4

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
				X	X