

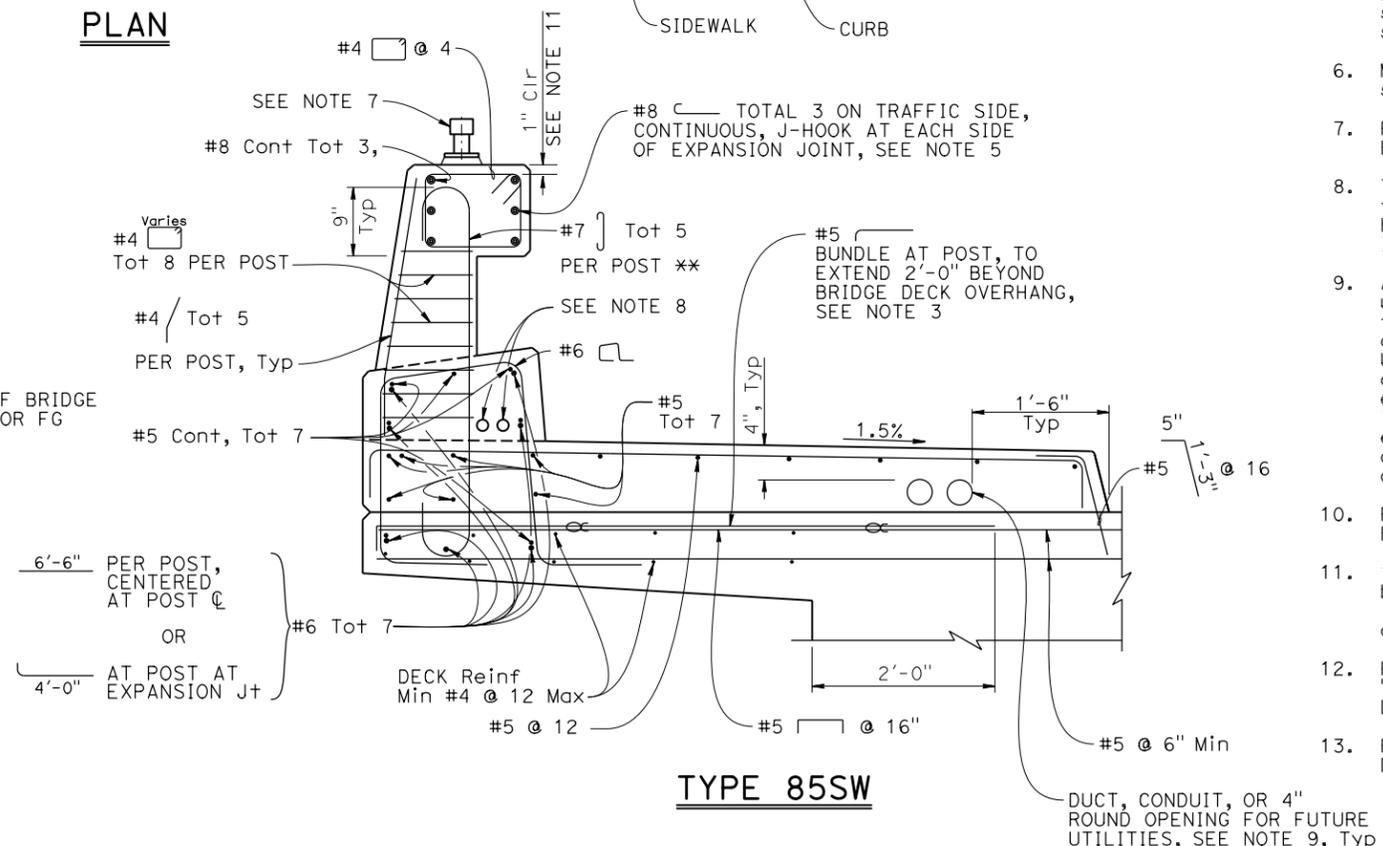
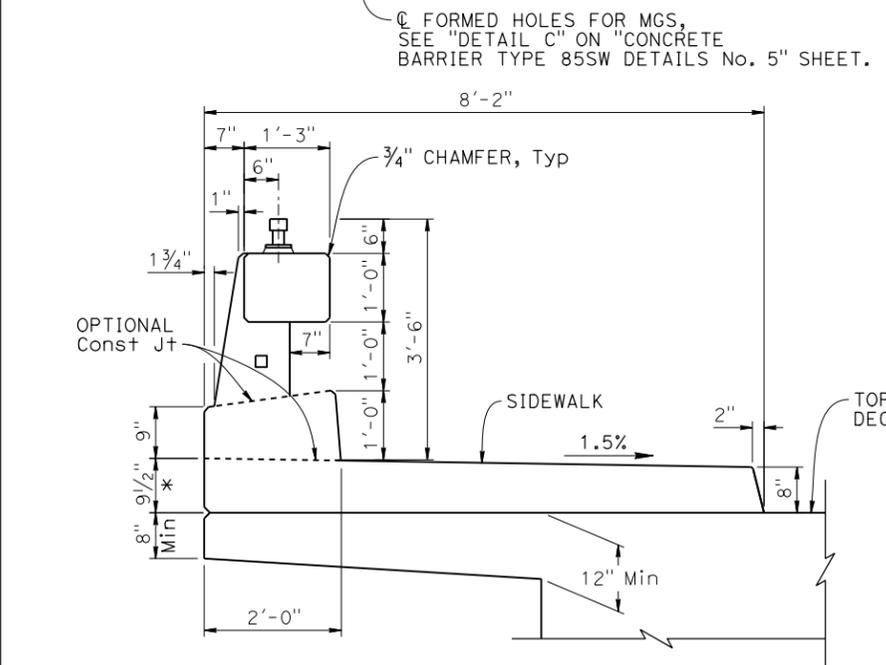
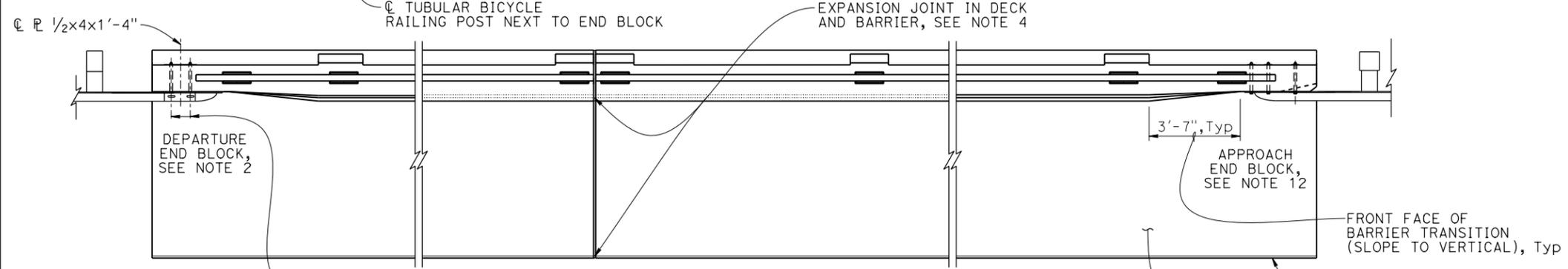
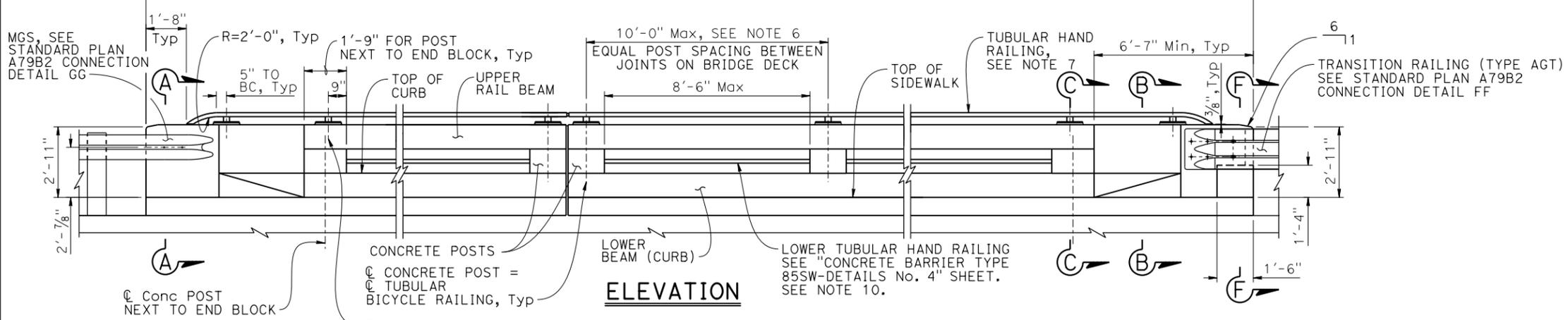
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
				X	

REGISTERED CIVIL ENGINEER 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.



- NOTES:
- This barrier is to be used only for posted speeds of 45 MPH or less.
 - If departure end block is within the Clear Recovery Zone (CRZ) of opposing traffic (30 feet for expressways or freeways and 20 feet for conventional highways), use the approach end block at departure end.
 - For additional reinforcement details, see "CONCRETE BARRIER TYPE 85SW DETAILS No. 2" and "CONCRETE BARRIER TYPE 85SW DETAILS No. 3" sheets.
 - Barrier expansion joint to match deck joint, 1" Min.
 - Splicing in longitudinal rail reinforcing must be staggered. Butt welds are acceptable alternative, splice to lap splicing #8 bars. No portion of lap splice can be within the concrete posts.
 - Maximum post spacing, not to exceed 10'-0", while spacing posts equally between bridge joints.
 - For tubular hand railing details, see "CONCRETE BARRIER TYPE 85SW DETAILS No. 4" sheet.
 - The maximum number of conduits is limited to two 1 1/2"Ø and must be placed in front half of the lower beam (curb). See also, "CONDUIT IN BRIDGE RAILING" detail on STANDARD PLAN B14-3.
 - A minimum of two 4" round openings for future utilities and a maximum of six 4" round openings for a 6'-2" sidewalk. One 4" round opening can be added for each additional 1'-0" of sidewalk width. Utility opening must be a minimum of 6" from face of barrier parapet. Openings are to be sealed at ends and extended 8" minimum past end of sidewalk if not used. Duct forms are to be tied down. For exact number and placement of utility openings see other details. Minimum 2" clear between round openings, ducts, or conduits.
 - For "SECTION A-A" and "SECTION B-B", see "CONCRETE BARRIER TYPE 85SW DETAILS No. 2" sheet.
 - 1" clearance to reinforcement on all concrete barrier surfaces of the upper beam, top of lower beam, all surfaces of concrete posts, and approach and departure end blocks.
 - For additional approach end block details, and "SECTION F-F", see "CONCRETE BARRIER TYPE 85SW DETAILS No. 5" sheet.
 - For "SECTION C-C", see "CONCRETE BARRIER TYPE 85SW DETAILS No. 3" sheet.

* Dimension from top of bridge deck to top of sidewalk is determined by bridge cross slope and by thickness of deck overlay due to increase in traffic side of sidewalk curb height by 2" max to match overlay depth if placed on the same contract.

NO SCALE

BRIDGE STANDARD DETAILS			STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES		BRIDGE No. XX-XXXX		X						
xs16-118-1 FILE NO.	April 2024 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.					POST MILE X.X		CONCRETE BARRIER TYPE 85SW DETAILS No. 1						
Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html			DATE PLOTTED => 22-APR-2024 FILE => xs16-118-1.dgn	TIME PLOTTED => 13:19 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 X	OF X