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

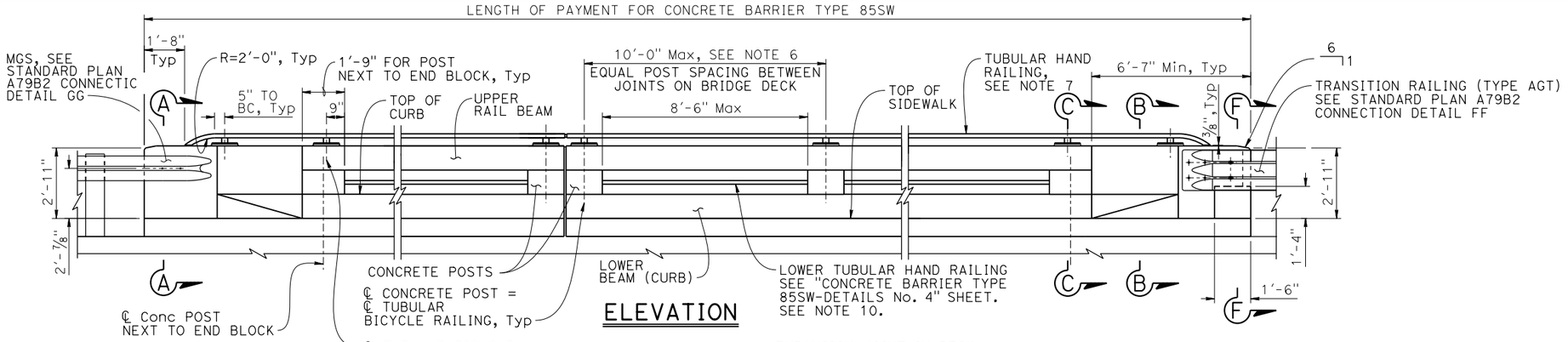
REGISTERED CIVIL ENGINEER — DATE X

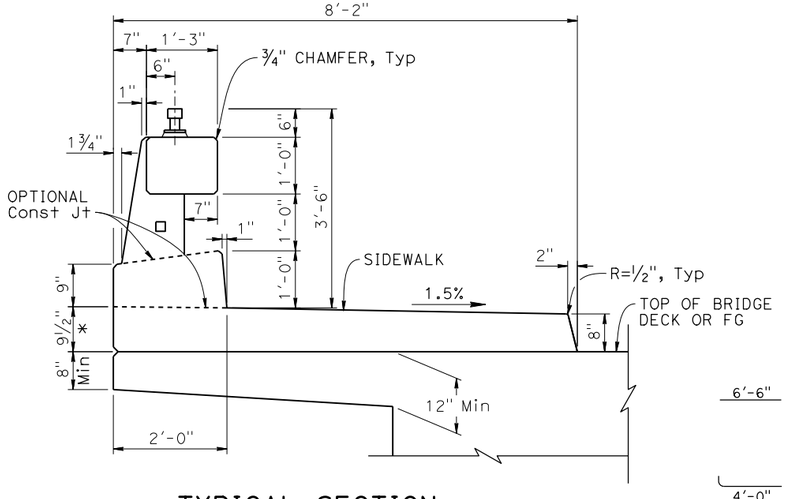
PLANS APPROVAL DATE

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

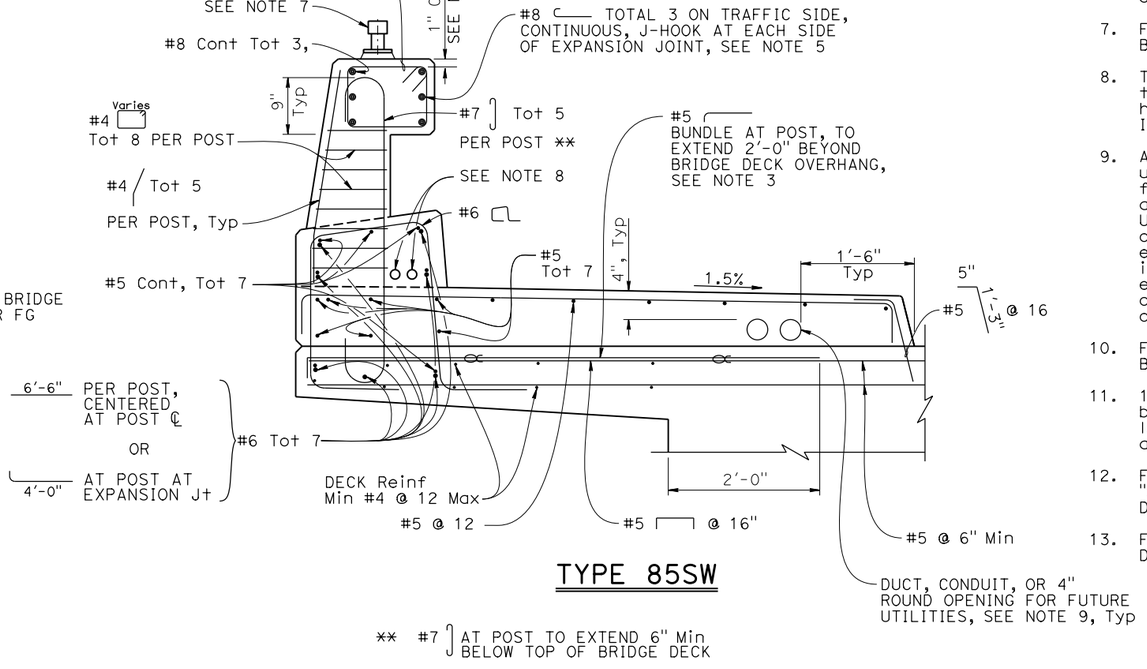
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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





TYPICAL SECTION



TYPE 85SW

** #7 AT POST TO EXTEND 6" Min BELOW TOP OF BRIDGE DECK

* 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.

NOTES:

1. This barrier is to be used only for posted speeds of 45 MPH or less.
2. 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.
3. For additional reinforcement details, see "CONCRETE BARRIER TYPE 85SW DETAILS No. 2" and "CONCRETE BARRIER TYPE 85SW DETAILS No. 3" sheets.
4. Barrier expansion joint to match deck joint, 1" Min.
5. Splicing in longitudinal rail reinforcing must be staggered. Butt welds are acceptable alternative, splice to lap splicing #8 bars. No portion of lap splice acn be within the concrete posts.
6. Maximum post spacing, not to exceed 10'-0", while spacing posts equally between bridge joints.
7. For tubular hand railing details, see "CONCRETE BARRIER TYPE 85SW DETAILS No. 4" sheet.
8. The maximum number of conduits is limited to two 1½"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.
9. 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 betweew round openings, ducts, or conduits.
10. For "SECTION A-A" and "SECTION B-B", see "CONCRETE BARRIER TYPE 85SW DETAILS No. 2" sheet.
11. 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.
12. For additional approach end block details, and "SECTION F-F", see "CONCRETE BARRIER TYPE 85SW DETAILS No. 5" sheet.
13. For "SECTION C-C", see "CONCRETE BARRIER TYPE 85SW DETAILS No. 3" sheet.

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.)	July 2025 (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 => 10-JUL-2025 TIME PLOTTED => 14:42 FILE => xs16-118-1.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-XXXX4

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
				X	X