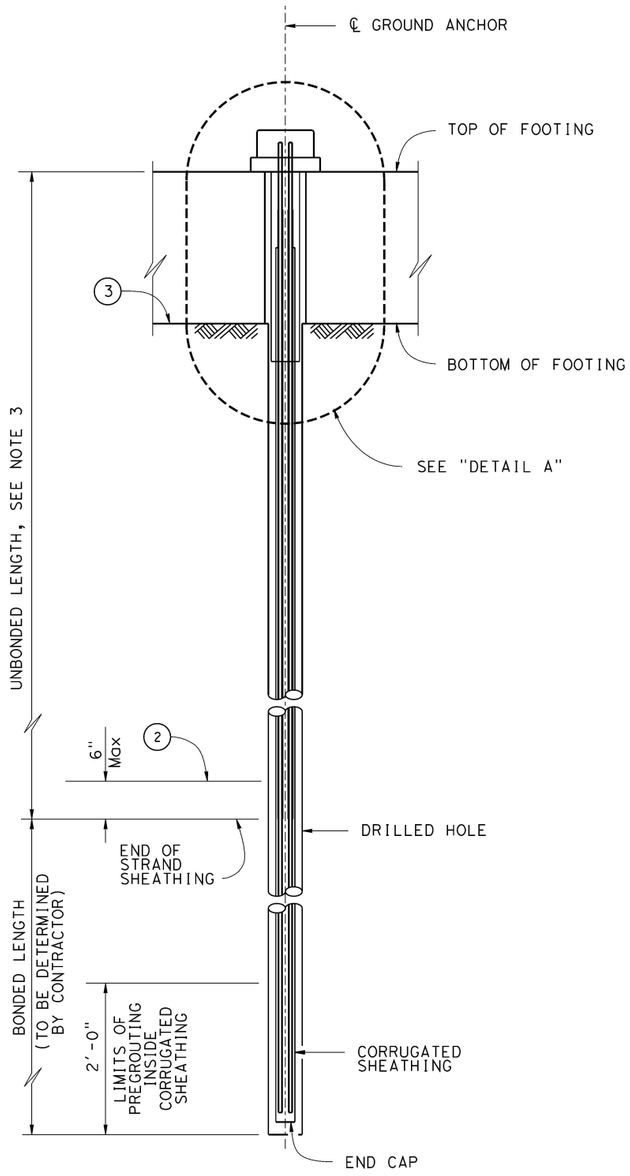
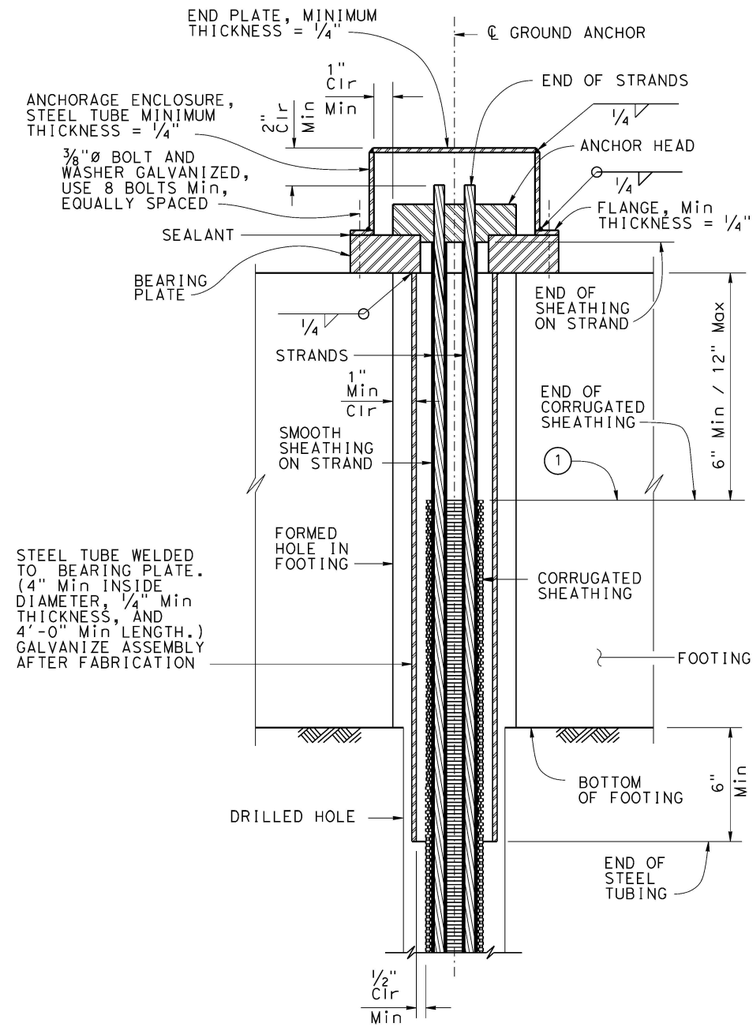


GROUND ANCHOR TENDON DETAILS (STRANDS)

NO SCALE



DETAIL A

NO SCALE

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.

GENERAL NOTES
LOAD AND RESISTANCE FACTOR DESIGN

DESIGN: AASHTO LRFD Bridge Design Specifications, 8th edition with California Amendments, Preface dated April 2019

PRESTRESSING STEEL (GROUND ANCHORS):

STRANDS - fpu = 270 ksi low relaxation steel
FTL = Factored test load per tendon (Kips)
fpu = Minimum tensile strength of prestressing steel (ksi)

As = Minimum cross sectional area of prestressing steel in tendon (square inches)

$$As\ (Min) = \frac{1.0\ FTL}{0.75\ fpu} \quad (Strand)$$

NOTES:

1. Anchorage enclosure shall have provisions to allow injecting grout at low end and venting at high end. Galvanize enclosure after fabrication.
2. Alternate anchor enclosure shown on "VERTICAL GROUND ANCHOR DETAILS No. 2" sheet.
3. For unbound length, see Project Plans elsewhere.

(1) Level of initial grouting inside corrugated sheathing.

(2) Level of initial grouting in drilled hole.

(3) Level of secondary grouting in drilled hole.

BRIDGE STANDARD DETAILS		
xs12-030-1 (FILE NO.)	October 2021 (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

X

VERTICAL GROUND ANCHOR DETAILS No. 1

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

DATE PLOTTED => $DATE
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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
6-28-14		09-20-21 10-06-21	X	X