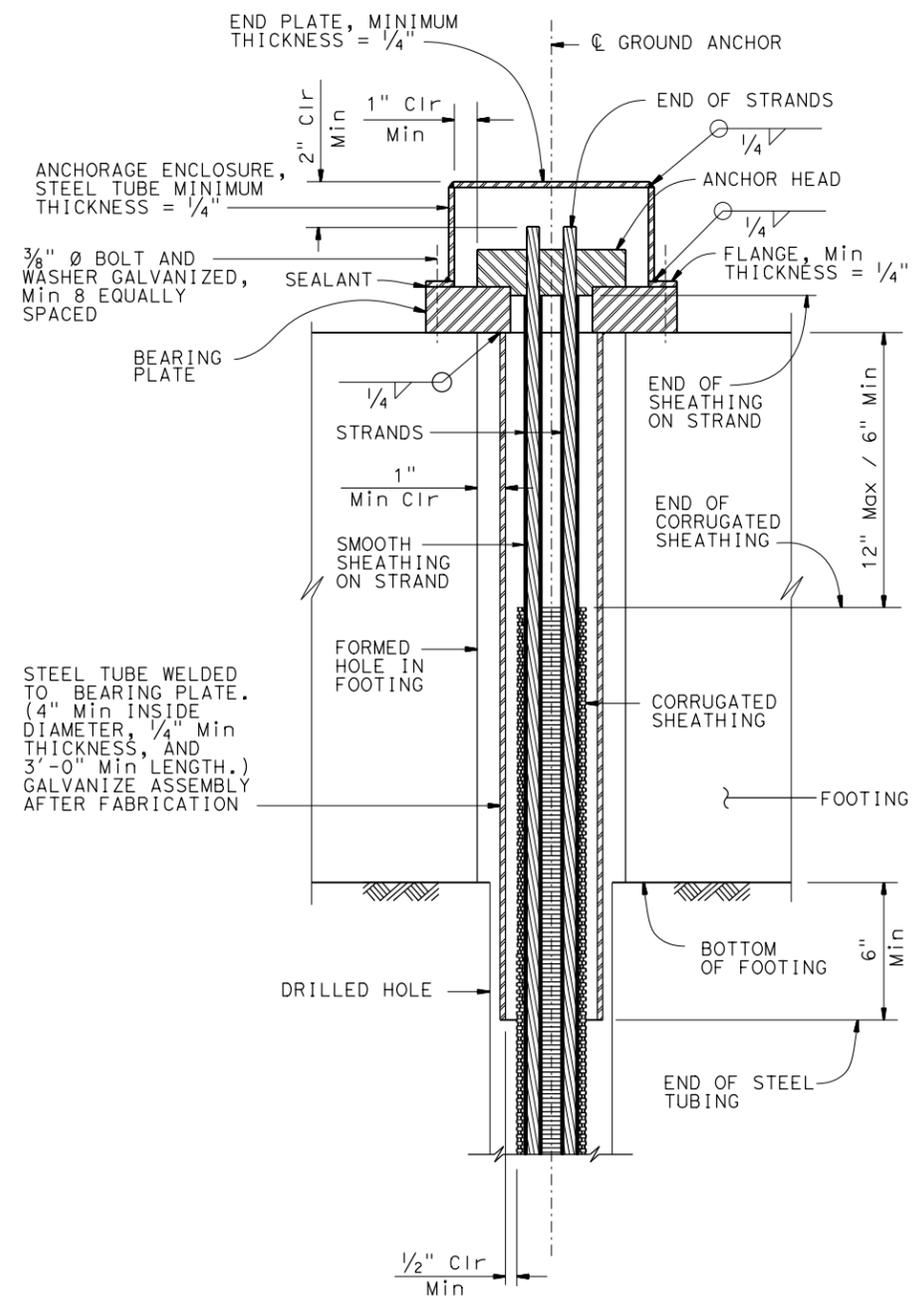
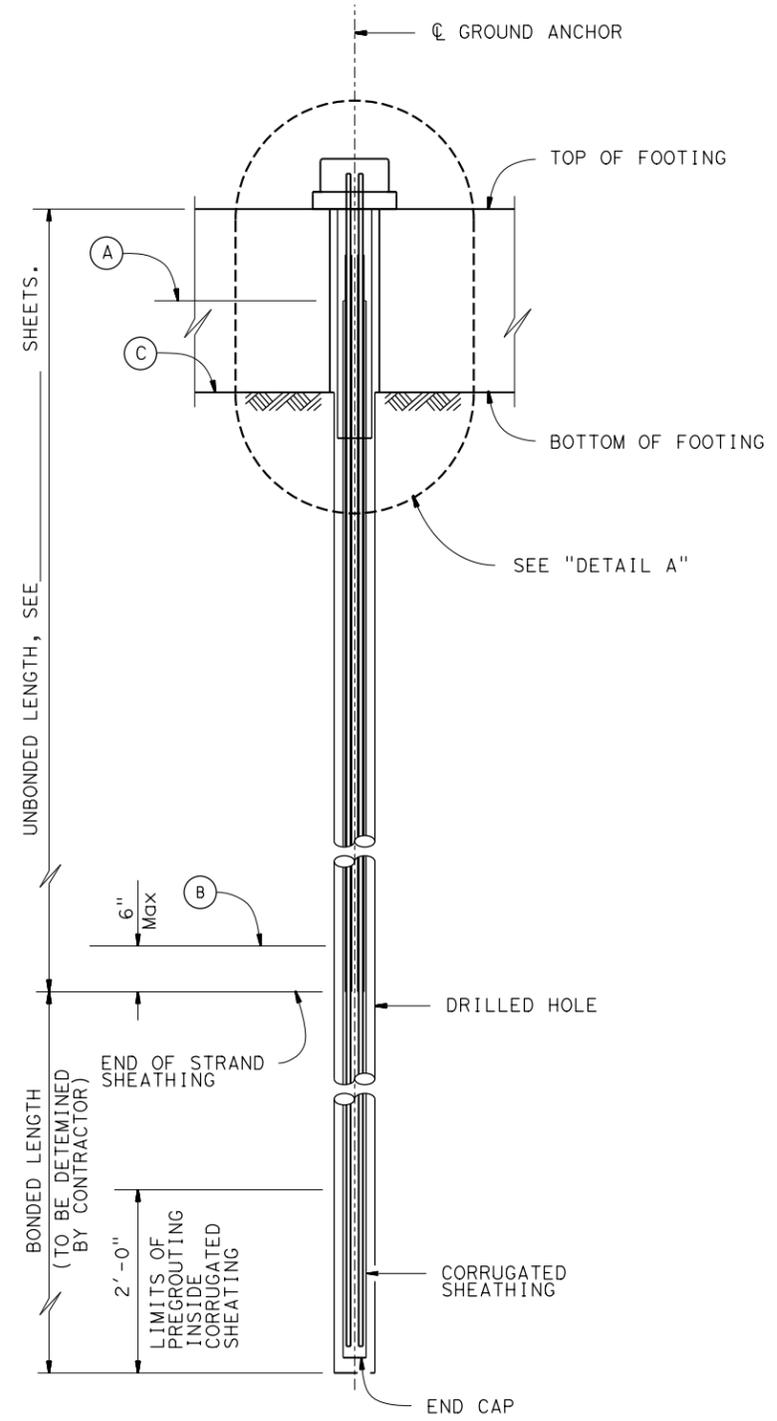


DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.</small>					
<small>The Registered Civil Engineer for the project is responsible for the selection and proper application of the component design and any modifications shown.</small>					



**DETAIL A**  
3" = 1'-0"

**GENERAL NOTES**

DESIGN: AASHTO LRFD Bridge Design Specifications, 6th edition with California Amendments.

PRESTRESSING STEEL (GROUND ANCHORS):

STRANDS - ASTM Designation: A416  
 Tp = 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)

$$As \text{ (Min)} = \frac{1.0 T_p}{0.75 f_{pu}} \text{ (Strand)}$$

**NOTES:**

1. Anchorage enclosure shall have provisions to allow injecting grout at low end and venting at high end. Galvanize enclosure after fabrication.
  2. Alternative anchor enclosure shown on sheet "VERTICAL GROUND ANCHOR DETAILS No. 2" sheet
- (A) Level of initial grouting inside corrugated sheathing  
 (B) Level of initial grouting in drilled hole  
 (C) Level of secondary grouting in drilled hole

**GROUND ANCHOR TENDON DETAILS (STRANDS)**  
1" = 1'-0"

BRIDGE STANDARD DETAILS			STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO.	
xs12-030-1	July 2016	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		ENGINEERING SERVICES		POST MILE	
							VERTICAL GROUND ANCHOR DETAILS No.1	
Refer to: <a href="http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html">http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html</a>			FILE => xs12-030-1.dgn		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: PROJECT NUMBER & PHASE:	
USERNAME => s136236			TIME PLOTTED => 16:01		DATE PLOTTED => 14-JUL-2016		CONTRACT NO.:	
							DISREGARD PRINTS BEARING EARLIER REVISION DATES	
							REVISION DATES	
							SHEET OF	