



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER
 Bruce D. Swanger
 No. C61257
 Exp. 6-30-17
 CIVIL
 STATE OF CALIFORNIA

October 30, 2015
 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.

- NOTES:**
- Ladder may be constructed in one length at contractor's option on reinforced concrete pipe risers.
 - On corrugated steel pipe riser, connect ladder splice plate so joint can compress 1/2".
 - Ladder splice plate to be connected with 1/2" ϕ bolts with double nuts.
 - Pay limit for 36" risers to centerline of cross pipe.
 - Where angle steps are required, the lowest angle shall not be more than 1'-0" above the flowline of the drain. The distance between angle steps and between the uppermost angle step and the lowest rung of the ladder shall not exceed 1'-0". Power driven fasteners, equivalent to the 1/2" bolts shown, may be used for fixing the angle steps to the wall of the reinforced concrete pipe drain.
 - Install ladder so that the highest rung is not more than 1'-0" below the top of the riser.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
PIPE RISER CONNECTIONS
 NO SCALE

D93A

2015 STANDARD PLAN D93A