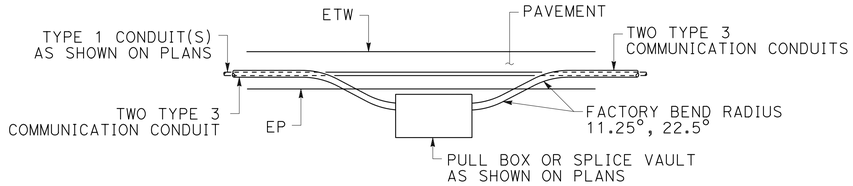
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R24.7/R44.9	226	274

REGISTERED ELECTRICAL ENGINEER 6/26/15 DATE

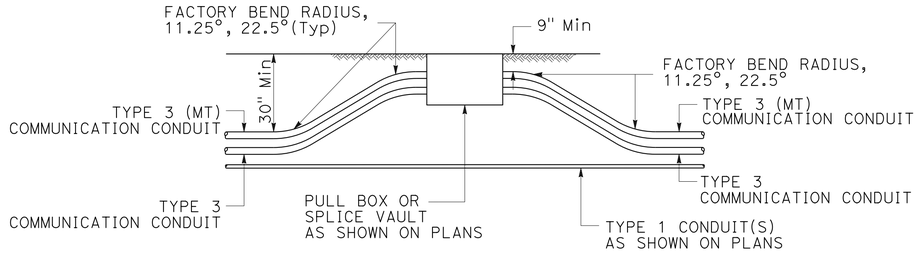
7-27-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JACQUELINE C. TAN No. E015611 Exp. 12/31/15 ELECTRICAL STATE OF CALIFORNIA

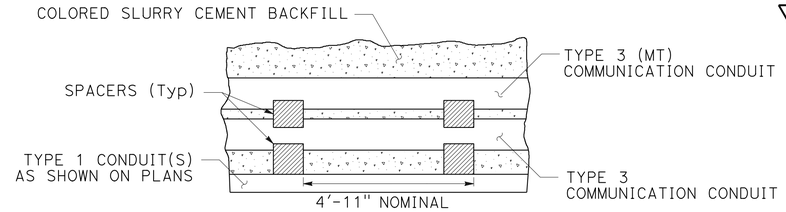
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



OUTSIDE SHOULDER PULL BOX INSTALLATION (TOP VIEW)



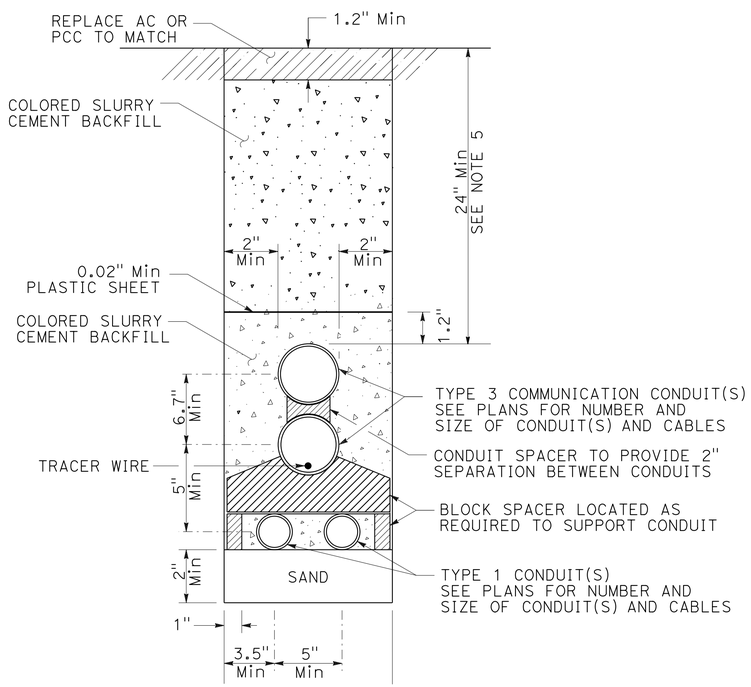
PULL BOX FOR SOIL AREA TRENCHING (ELEVATION)



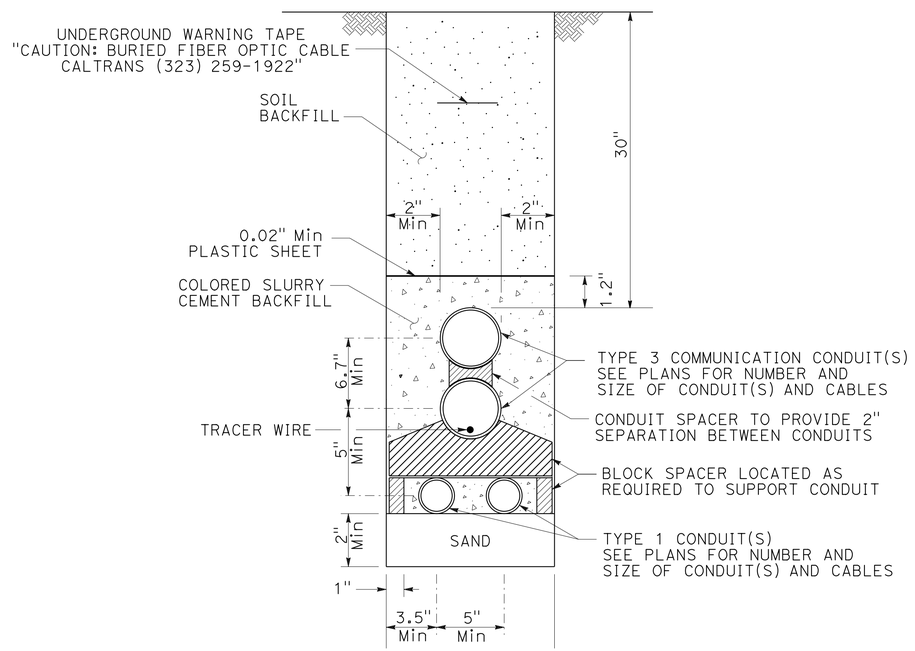
CONDUIT SPACER PLACEMENT (SIDE VIEW)

NOTES: (THIS SHEET ONLY)

1. REPLACE AC DIKE IN KIND, AS NECESSARY.
2. CENTER TRENCH IN SHOULDER OR AS DIRECTED BY THE ENGINEER.
3. MAINTAIN 24" MINIMUM COVER AND BACKFILL TRENCH WITH SLURRY CEMENT BETWEEN PULL BOX AND PAVED SHOULDER.
4. WHERE TRENCH TRANSITIONS FROM ASPHALT TO UNPAVED AREA, EXCEPT AT PULL BOXES, CONDUIT TO GRADUALLY TRANSITION FROM 24" MINIMUM DEPTH TO 30" MINIMUM DEPTH WITHIN THE ASPHALT AREA.
5. 24" MINIMUM COVER MAY BE REDUCED TO 9" MINIMUM COVER IF NEEDED TO CLEAR A STORM DRAIN OR OTHER FIXED OBJECT AS DIRECTED BY THE ENGINEER.
6. PROVIDE MINIMUM 4'-11" CLEARANCE BETWEEN ANY CONDUIT AND EXISTING STRUCTURE FOUNDATIONS.
7. ANCHOR/RESTRAIN TOP CONDUIT FROM FLOATING DURING SLURRY CEMENT BACKFILL.
8. CONDUITS MUST BE INSTALLED IN NEW ASPHALT PAVEMENT AFTER AGGREGATE BASE IS PLACED AND COMPACTED. CONDUIT INSTALLATION MUST PRECLUDE ROADWAY PAVING.



TRENCH IN PAVEMENT (CONCRETE OR ASPHALT) WITH TYPE 3 COMMUNICATION CONDUIT(S) AND TYPE 1 CONDUIT(S)



TRENCH IN SOIL WITH TYPE 3 COMMUNICATION CONDUIT(S) AND TYPE 1 CONDUIT(S)

4 **REPLACED PER ADDENDUM No. 4 DATED NOVEMBER 23, 2015**

(TYPICAL COMMUNICATION CONDUIT INSTALLATION DETAILS)

ELECTRICAL DETAILS

NO SCALE

E-185

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
OFFICE OF ITS

FUNCTIONAL SUPERVISOR: JACQUELINE C. TAN
CALCULATED-DESIGNED BY: TUYEN NGO
CHECKED BY: JACQUELINE C. TAN
REVISED BY
DATE REVISED

LAST REVISION 06-10-15
DATE PLOTTED => 20-NOV-2015
TIME PLOTTED => 09:33