DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	96S1	1204

REGISTERED ELECTRICAL ENGINEER 07/05/11 DATE

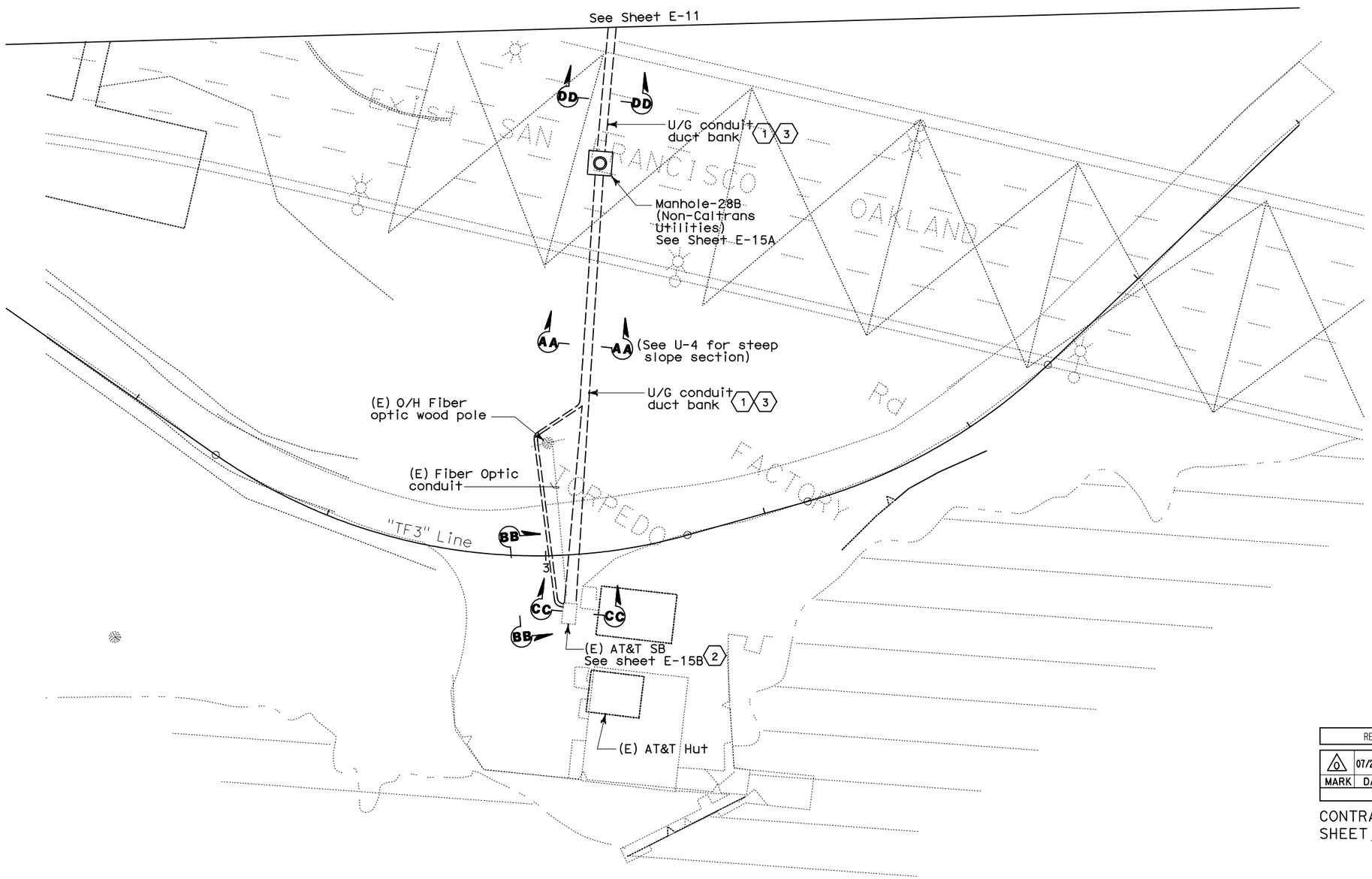
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DAVID H. OTO No. 10699 Exp. 06/30/2013 STATE OF CALIFORNIA

PB AMERICAS, Inc.
A Parsons Brinckerhoff Company
303 Second St., Suite 700N
San Francisco, CA 94107-1317

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

Caltrans now has a web site! To get to the web site, go to http://www.dot.ca.gov



PLAN
SCALE: 1:200

NOTES:

1. References:
   - For typical manhole and duct bank details, see sheet E-17.
   - For duct bank profile and cooordinate, see civil sheet U-4.
   - For circuit and conduit/cable tray schedules, see sheets starting at E-401.
2. Mininum compressive strength of concrete f'c = 28 MPa.
3. For location of manholes, see utility sheets.
4. For other related work not shown on this see Electrical Special Provisions.
5. Provide long sweep for conduits inside duct banks whenever feasible.
6. For duct bank sections, see sheets E-19B.

SHEET NOTES

1. Contractor shall route duct bank with a minimum cover of 610 mm from top of conduit to top of finished grade. The conduit bank shall slope down to manhole. Verify existing to avoid interferences. Connect the ground conductor to the existing grounding grid at the end of duct bank.
2. Contractor to clean and drain (E) AT&T SB. Contractor shall use existing provisions for conduit entries to AT&T SB. Other conduit penetrations are not shown
3. The conduits from manhole MH-28A to AT&T Hut manhole shall be rigid pvc schedule 40. Conduit 90 degree bends, riser and exposed to grade shall be rigid galvanized steel conduit.

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
0	07/20/11	W2 DUCT BANKS REINFORCEMENT	EJL	RG	205

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET _____ OF _____

UNDERGROUND
DUCT BANKS AND MANHOLES
SCALE: 1:200

E-11A

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

DGN FILE =>04-0120f1_0096S01.dgn
USERNAME =>llorico

CU 04251 | EA 0120F1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: BEHZAD GOLEMOHAMMADI

CALCULATED/DESIGNED BY: XX | DATE XX/XX | REVISED BY
CHECKED BY: XX | XX/XX | DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 20-JUL-2011
TIME PLOTTED => 13:50