DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	102 S4	1204

REGISTERED ELECTRICAL ENGINEER 07/05/11 DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER LAWRENCE M. JOHNSON No. C 44006 Exp. 6-30-13 CIVIL STATE OF CALIFORNIA

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

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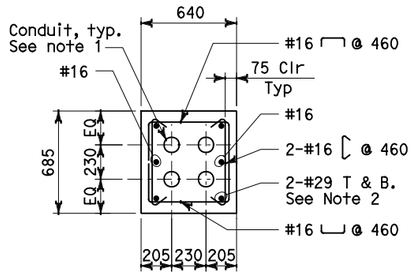
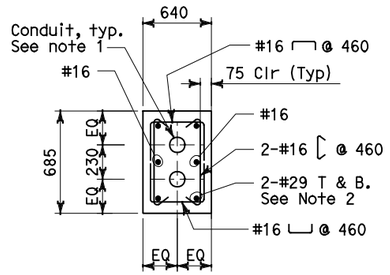
Caltrans now has a web site! To get to the web site, go to http://www.dot.ca.gov



DETAIL 7

SCALE: 1:20

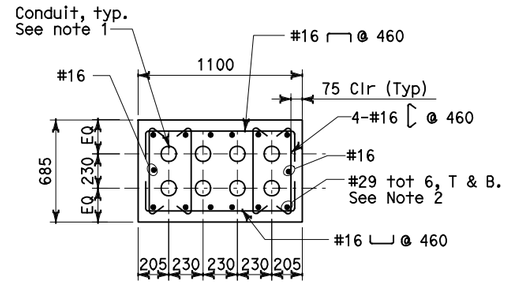
Note: For Detail not noted or shown see Section Z-Z on sheet E-19



DETAIL 8

SCALE: 1:20

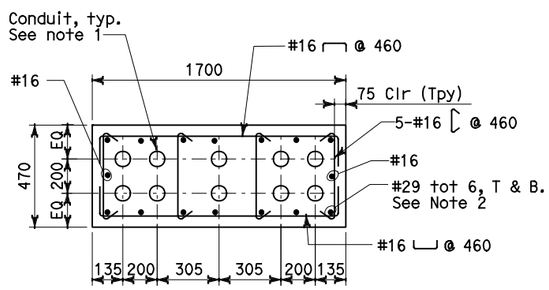
Note: For Detail not noted or shown see Section Z-Z on sheet E-19



DETAIL 9

SCALE: 1:20

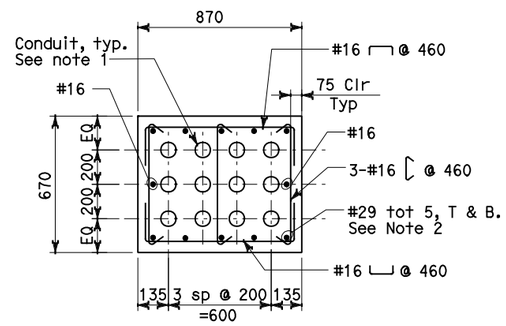
Note: For Detail not noted or shown see Section FF-FF on sheet E-19A



DETAIL 10

SCALE: 1:20

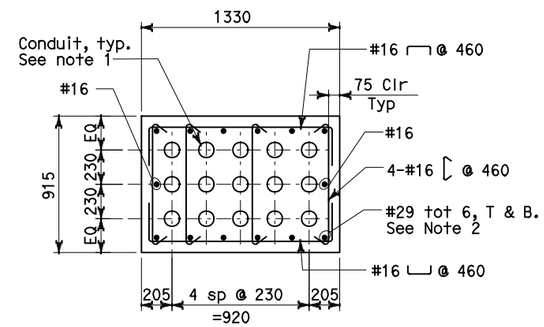
Note: For Detail not noted or shown see Section VV-VV on sheet E-19A



DETAIL 11

SCALE: 1:20

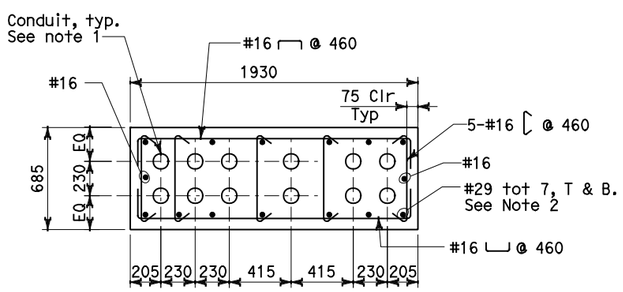
Note: For Detail not noted or shown see Section VV-VV on sheet E-19A



DETAIL 12

SCALE: 1:20

Note: For Detail not noted or shown see Section XX-XX on sheet E-19A



DETAIL 13

SCALE: 1:20

Note: For Detail not noted or shown see Section XX-XX on sheet E-19A

NOTES:

1. For conduit duct bank sections, see sheet E-19, E-19A, E-19B and E-19C.
2. Where duct banks intersect, develop #29 top and bottom reinforcing a minimum distance of 1525 mm into adjacent duct bank.
3. The duct bank concrete compression strength at 28 days: f'c = 25 MPa.
4. The duct bank reinforcing bar yield strength: Fy = 414 MPa.

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
0	07/05/11	W2 DUCT BANKS REINFORCEMENT	LJ	RG	205

REVISIONS

CONTRACT CHANGE ORDER NO._____

SHEET_____ OF_____

DETAILS
UNDERGROUND DUCT BANK SECTIONS

SCALE AS NOTED

E-19D

DATE	REVISED BY	CALCULATED/ DESIGNED BY	DESIGN OVERSIGHT
XX/10	DATE REVISED	XX	BEHZAD GOLEMOHAMMADI
XX/10	DATE REVISED	XX	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SHOWN

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

DGN FILE =>04-0120f1_0102S04.dgn
USERNAME =>llorico

CU 04251

EA 0120F1

LAST REVISION 00-00-00

DATE PLOTTED => 05-JUL-2011
TIME PLOTTED => 14:11