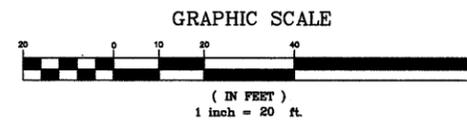


PROJECT NOTES (ELECTRICAL PLANS ONLY):

- | | |
|---|---|
| <p>1 FURNISH & INSTALL NEW FOUNDATION, #5 CURB BOX, AND PEDESTRIAN LIGHT POLE PER CITY STANDARDS</p> <p>2 FURNISH & INSTALL NEW FOUNDATION, #5 CURB BOX, AND 28'-6" STREET LIGHT POLE WITH 150W (240V) COBRA HEAD PER CITY STANDARDS.</p> <p>3 FURNISH & INSTALL NEW GALVANIZED STEEL TYPE III-AF METERED SERVICE ENCLOSURE PER CALTRANS STANDARD PLANS ES-2C AND ES-2D. SERVICE ENCLOSURE SHALL BE PAINTED BOXWOOD GREEN (RAL 6011).</p> <p>4 FURNISH & INSTALL NEW 2" HDPE SCH 80 CONDUIT (PER CITY STANDARD DETAIL E-92) WITH STREET LIGHT WIRING AS SHOWN ON PLANS.</p> <p>5 FURNISH & INSTALL NON CONCRETE #5 CURB BOX PER CITY STANDARD DETAIL E-7, E-9.</p> <p>6 FURNISH & INSTALL NEW 3" HDPE SCH 80 CONDUIT TO EXISTING PG&E CURB BOX WITH SERVICE CONDUCTORS AS SHOWN ON PLANS.</p> | <p>7 EXISTING STREET LIGHT TO REMAIN. EXISTING STREET LIGHT CIRCUIT SHALL REMAIN IN PLACE.</p> <p>8 REMOVE AND SALVAGE EXISTING POLE. REPLACE WITH NEW 28' 6" POLE, 6' MAST ARMS, AND 2 - 200W (240V) COBRA HEAD LUMINAIRES. EXISTING CIRCUIT SHALL REMAIN IN PLACE.</p> <p>9 FURNISH AND INSTALL 1 NEW 2" HDPE SCH 80 CONDUIT (WITH STREET LIGHT WIRING AS SHOWN ON PLANS) WITHIN THE SAME TRENCH FOR NEW TRAFFIC SIGNAL CONDUITS. REFER TO TRAFFIC SIGNAL PLANS FOR CONDUIT RUN LOCATIONS (1-2"C + 1-3"C).</p> <p>10 REFER TO TRAFFIC SIGNAL PLANS FOR POLE LOCATION AND STREET LIGHT WATTAGE.</p> <p>11 RELOCATE EXISTING CURB BOX AND EXTEND CONDUIT OUT OF ROADWAY. INSTALL/SPLICE NEW STREET LIGHT CONDUCTORS FROM CURB BOX TO CURB BOX.</p> <p>12 FURNISH & INSTALL NEW FOUNDATION, #5 CURB BOX, AND 28'-6" STREET LIGHT POLE WITH 2-200W (240V) COBRA HEAD PER CITY STANDARDS. POLE LOCATION SHALL BE OUTSIDE OF CROSSWALK.</p> |
|---|---|



E18TH STREET IMPROVEMENT PROJECT

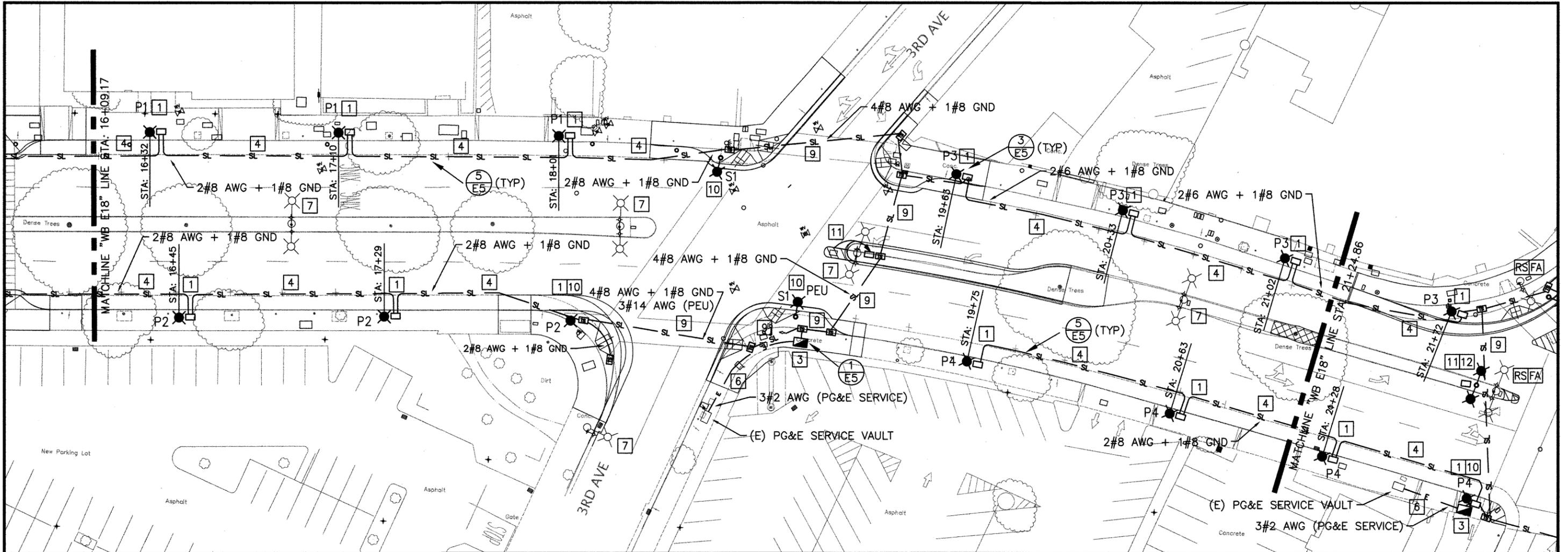


CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. C55424 EXP. 12/31/10				
CHECKED BY FC				
DESIGNED BY JH				
DRAWN BY JH				

ELECTRICAL PLAN	PROJECT NO.	
	P233285	
SHEET 1 OF 5	SCALE: 1" = 20'	SHEET NO.
	HOR: X"=X'	E-1
	VERT: X"=X'	33 OF 52
	DATE: JAN 2011	

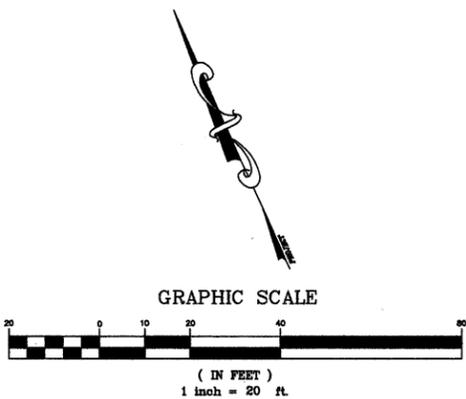
DRAWING NAME: \\Pw7101server\Engineering\Projects\SL - E 18th St (Between Lakeshore and Fair)\AutoCAD\11E1.dwg
PLOT DATE: 01-21-11
PLOT BY: jh

HALF SIZE

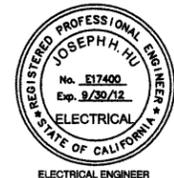


PROJECT NOTES (ELECTRICAL PLANS ONLY):

- 1 FURNISH & INSTALL NEW FOUNDATION, #5 CURB BOX, AND PEDESTRIAN LIGHT POLE PER CITY STANDARDS
- 2 FURNISH & INSTALL NEW FOUNDATION, #5 CURB BOX, AND 28'-6" STREET LIGHT POLE WITH 150W (240V) COBRA HEAD PER CITY STANDARDS.
- 3 FURNISH & INSTALL NEW GALVANIZED STEEL TYPE III-AF METERED SERVICE ENCLOSURE PER CALTRANS STANDARD PLANS ES-2C AND ES-2D. SERVICE ENCLOSURE SHALL BE PAINTED BOXWOOD GREEN (RAL 6011).
- 4 FURNISH & INSTALL NEW 2" HDPE SCH 80 CONDUIT (PER CITY STANDARD DETAIL E-92) WITH STREET LIGHT WIRING AS SHOWN ON PLANS.
- 5 FURNISH & INSTALL NON CONCRETE #5 CURB BOX PER CITY STANDARD DETAIL E-7, E-9.
- 6 FURNISH & INSTALL NEW 3" HDPE SCH 80 CONDUIT TO EXISTING PG&E CURB BOX WITH SERVICE CONDUCTORS AS SHOWN ON PLANS.
- 7 EXISTING STREET LIGHT TO REMAIN. EXISTING STREET LIGHT CIRCUIT SHALL REMAIN IN PLACE.
- 8 REMOVE AND SALVAGE EXISTING POLE. REPLACE WITH NEW 28' 6" POLE, 6' MAST ARMS, AND 2 - 200W (240V) COBRA HEAD LUMINAIRES. EXISTING CIRCUIT SHALL REMAIN IN PLACE.
- 9 FURNISH AND INSTALL 1 NEW 2" HDPE SCH 80 CONDUIT (WITH STREET LIGHT WIRING AS SHOWN ON PLANS) WITHIN THE SAME TRENCH FOR NEW TRAFFIC SIGNAL CONDUITS. REFER TO TRAFFIC SIGNAL PLANS FOR CONDUIT RUN LOCATIONS (1-2°C + 1-3°C).
- 10 REFER TO TRAFFIC SIGNAL PLANS FOR POLE LOCATION AND STREET LIGHT WATTAGE.
- 11 RELOCATE EXISTING CURB BOX AND EXTEND CONDUIT OUT OF ROADWAY. INSTALL/SPLICE NEW STREET LIGHT CONDUCTORS FROM CURB BOX TO CURB BOX.
- 12 FURNISH & INSTALL NEW FOUNDATION, #5 CURB BOX, AND 28'-6" STREET LIGHT POLE WITH 2-200W (240V) COBRA HEAD PER CITY STANDARDS. POLE LOCATION SHALL BE OUTSIDE OF CROSSWALK.



E18TH STREET IMPROVEMENT PROJECT



CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. C65424 EXP. 12/31/10				
CHECKED BY FC				
DESIGNED BY JH				
DRAWN BY JH				

ELECTRICAL PLAN

SHEET 2 OF 5

PROJECT NO.

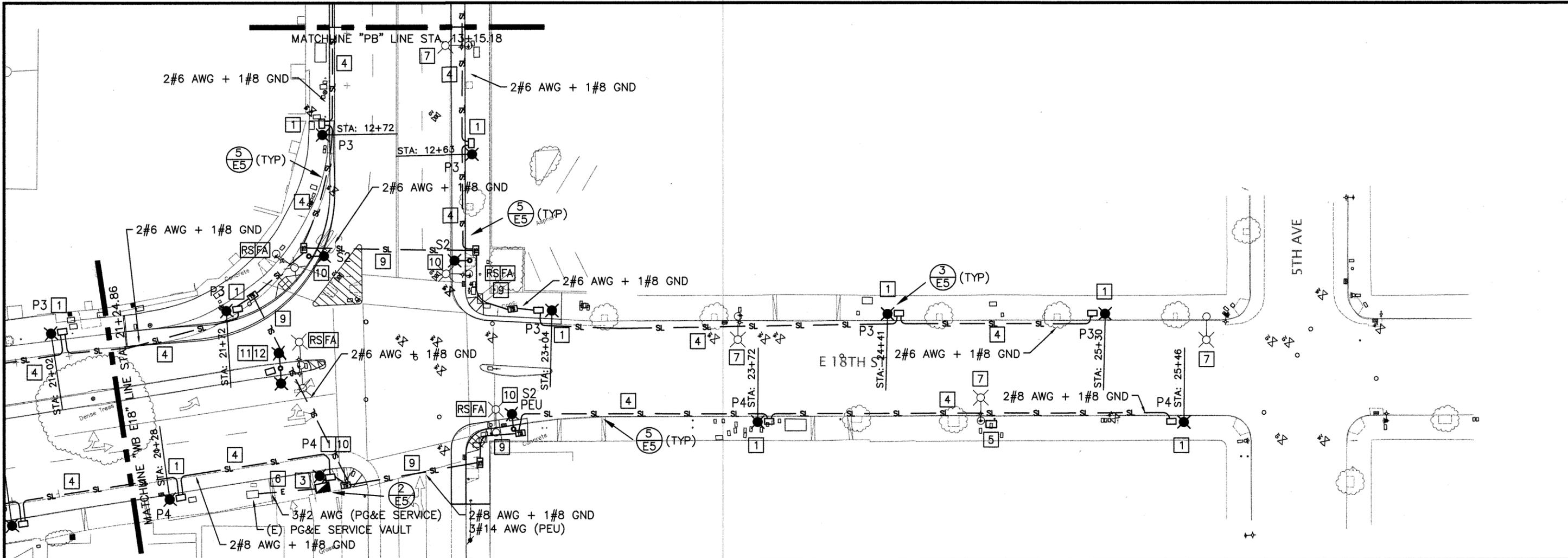
P233285

SCALE: 1" = 20'
HOR: X"=X"
VERT: X"=X"
DATE: JAN 2011

SHEET NO.
E-2
34 OF 52

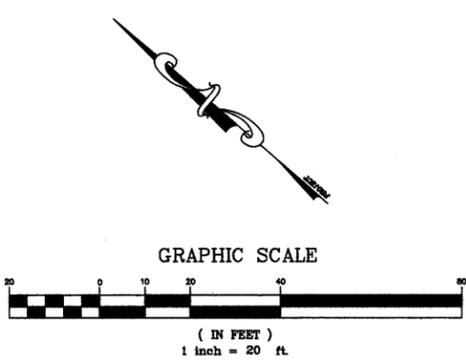
HALF SIZE

DRAWING NAME: \\pwr7101server1\Electrical\Users\jhu\My Projects\SL - E 18th St (Between Lakeshore and Park)\AutoCAD\21E2.dwg
PLOT DATE: 01-21-11
PLOTTED BY: jhu



PROJECT NOTES (ELECTRICAL PLANS ONLY):

- 1 FURNISH & INSTALL NEW FOUNDATION, #5 CURB BOX, AND PEDESTRIAN LIGHT POLE PER CITY STANDARDS
- 2 FURNISH & INSTALL NEW FOUNDATION, #5 CURB BOX, AND 28'-6" STREET LIGHT POLE WITH 150W (240V) COBRA HEAD PER CITY STANDARDS.
- 3 FURNISH & INSTALL NEW GALVANIZED STEEL TYPE III-AF METERED SERVICE ENCLOSURE PER CALTRANS STANDARD PLANS ES-2C AND ES-2D. SERVICE ENCLOSURE SHALL BE PAINTED BOXWOOD GREEN (RAL 6011).
- 4 FURNISH & INSTALL NEW 2" HDPE SCH 80 CONDUIT (PER CITY STANDARD DETAIL E-92) WITH STREET LIGHT WIRING AS SHOWN ON PLANS.
- 5 FURNISH & INSTALL NON CONCRETE #5 CURB BOX PER CITY STANDARD DETAIL E-7, E-9.
- 6 FURNISH & INSTALL NEW 3" HDPE SCH 80 CONDUIT TO EXISTING PG&E CURB BOX WITH SERVICE CONDUCTORS AS SHOWN ON PLANS.
- 7 EXISTING STREET LIGHT TO REMAIN. EXISTING STREET LIGHT CIRCUIT SHALL REMAIN IN PLACE.
- 8 REMOVE AND SALVAGE EXISTING POLE. REPLACE WITH NEW 28' 6" POLE, 6' MAST ARMS, AND 2 - 200W (240V) COBRA HEAD LUMINAIRES. EXISTING CIRCUIT SHALL REMAIN IN PLACE.
- 9 FURNISH AND INSTALL 1 NEW 2" HDPE SCH 80 CONDUIT (WITH STREET LIGHT WIRING AS SHOWN ON PLANS) WITHIN THE SAME TRENCH FOR NEW TRAFFIC SIGNAL CONDUITS. REFER TO TRAFFIC SIGNAL PLANS FOR CONDUIT RUN LOCATIONS (1-2"C + 1-3"C).
- 10 REFER TO TRAFFIC SIGNAL PLANS FOR POLE LOCATION AND STREET LIGHT WATTAGE.
- 11 RELOCATE EXISTING CURB BOX AND EXTEND CONDUIT OUT OF ROADWAY. INSTALL/SPLICE NEW STREET LIGHT CONDUCTORS FROM CURB BOX TO CURB BOX.
- 12 FURNISH & INSTALL NEW FOUNDATION, #5 CURB BOX, AND 28'-6" STREET LIGHT POLE WITH 2-200W (240V) COBRA HEAD PER CITY STANDARDS. POLE LOCATION SHALL BE OUTSIDE OF CROSSWALK.



CITY OF OAKLAND
 DEPARTMENT OF ENGINEERING AND CONSTRUCTION
 250 FRANK H. OGAWA PLAZA, SUITE 4314 • OAKLAND CA, 94612
 (510) 238-8437 • FAX (510) 238-7227

E18TH STREET IMPROVEMENT PROJECT

CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. C55424 EXP. 12/31/10				
CHECKED BY FC				
DESIGNED BY JH				
DRAWN BY JH				

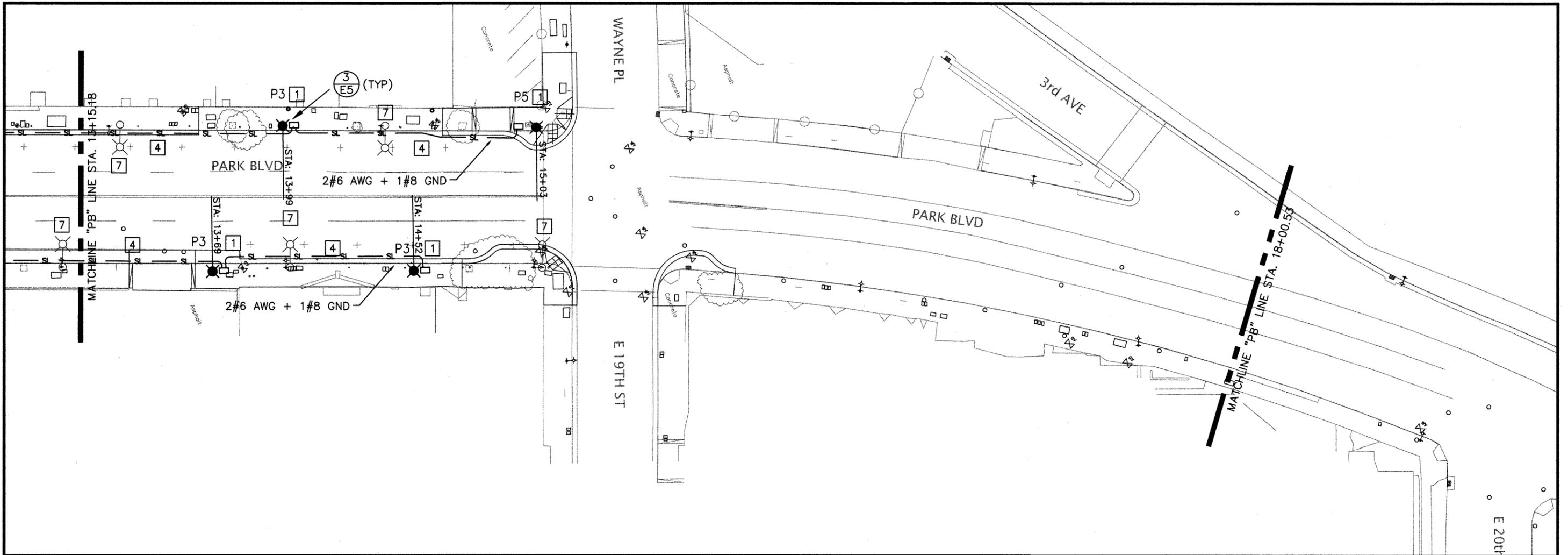
ELECTRICAL PLAN
 SHEET 3 OF 5

PROJECT NO.
P233285
 SCALE: 1" = 20'
 HOR: X"=X"
 VERT: X"=X"
 DATE: JAN 2011

SHEET NO.
 E-3
 35 OF 52

HALF SIZE

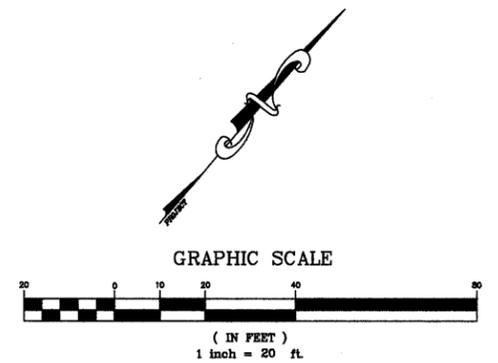
DRAWING NAME: \\pwr7101\server\1\Electrical\Users\jhu\My Projects\SL - E 18th St (Between Lakeshore and Park)\AutoCAD\3\E3.dwg
 PLOT DATE: 01-21-11
 PLOTTED BY: jhu



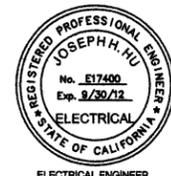
PROJECT NOTES (ELECTRICAL PLANS ONLY):

- 1 FURNISH & INSTALL NEW FOUNDATION, #5 CURB BOX, AND PEDESTRIAN LIGHT POLE PER CITY STANDARDS
- 2 FURNISH & INSTALL NEW FOUNDATION, #5 CURB BOX, AND 28'-6" STREET LIGHT POLE WITH 150W (240V) COBRA HEAD PER CITY STANDARDS.
- 3 FURNISH & INSTALL NEW GALVANIZED STEEL TYPE III-AF METERED SERVICE ENCLOSURE PER CALTRANS STANDARD PLANS ES-2C AND ES-2D. SERVICE ENCLOSURE SHALL BE PAINTED BOXWOOD GREEN (RAL 6011).
- 4 FURNISH & INSTALL NEW 2" HDPE SCH 80 CONDUIT (PER CITY STANDARD DETAIL E-92) WITH STREET LIGHT WIRING AS SHOWN ON PLANS.
- 5 FURNISH & INSTALL NON CONCRETE #5 CURB BOX PER CITY STANDARD DETAIL E-7, E-9.
- 6 FURNISH & INSTALL NEW 3" HDPE SCH 80 CONDUIT TO EXISTING PG&E CURB BOX WITH SERVICE CONDUCTORS AS SHOWN ON PLANS.

- 7 EXISTING STREET LIGHT TO REMAIN. EXISTING STREET LIGHT CIRCUIT SHALL REMAIN IN PLACE.
- 8 REMOVE AND SALVAGE EXISTING POLE. REPLACE WITH NEW 28' 6" POLE, 6' MAST ARMS, AND 2 - 200W (240V) COBRA HEAD LUMINAIRES. EXISTING CIRCUIT SHALL REMAIN IN PLACE.
- 9 FURNISH AND INSTALL 1 NEW 2" HDPE SCH 80 CONDUIT (WITH STREET LIGHT WIRING AS SHOWN ON PLANS) WITHIN THE SAME TRENCH FOR NEW TRAFFIC SIGNAL CONDUITS. REFER TO TRAFFIC SIGNAL PLANS FOR CONDUIT RUN LOCATIONS (1-2"C + 1-3"C).
- 10 REFER TO TRAFFIC SIGNAL PLANS FOR POLE LOCATION AND STREET LIGHT WATTAGE.
- 11 RELOCATE EXISTING CURB BOX AND EXTEND CONDUIT OUT OF ROADWAY. INSTALL/SPLICE NEW STREET LIGHT CONDUCTORS FROM CURB BOX TO CURB BOX.
- 12 FURNISH & INSTALL NEW FOUNDATION, #5 CURB BOX, AND 28'-6" STREET LIGHT POLE WITH 2-200W (240V) COBRA HEAD PER CITY STANDARDS. POLE LOCATION SHALL BE OUTSIDE OF CROSSWALK.



E18TH STREET IMPROVEMENT PROJECT



CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. C55424 EXP. 12/31/10				
CHECKED BY FC				
DESIGNED BY FA/FC				
DRAWN BY FA				

ELECTRICAL PLAN

SHEET 4 OF 5

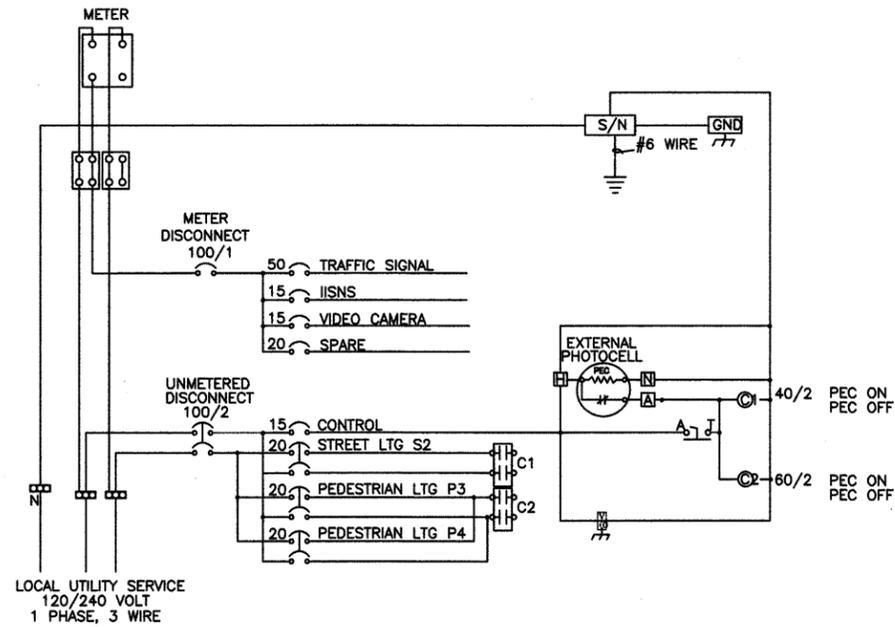
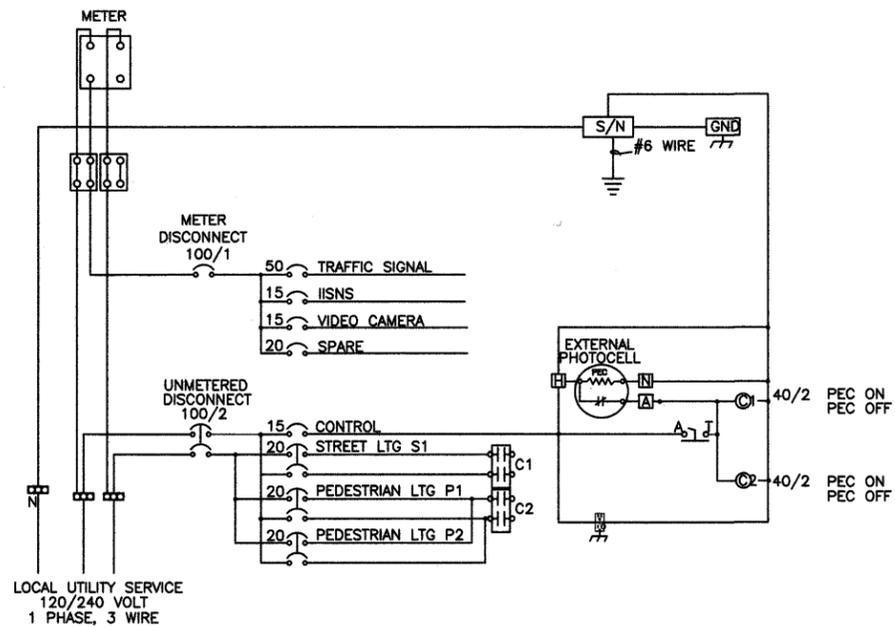
PROJECT NO.
P233285

SCALE: 1" = 20'
HOR: X"=X'
VERT: X"=X'
DATE: JAN 2011

SHEET NO.
E-4
36 OF 52

HALF SIZE

DRAWING NAME: \\P067101server\Electrical\Users\jhu\My Projects\SL - E 18th St (Between Lakeshore and Park)\SubCAD\EA4.dwg
PLOT DATE: 01-21-11
PLOTTED BY: jhu



① NEW TYPE IIIAF SERVICE ENCLOSURE DETAIL
APPROX. 315 E 18TH ST

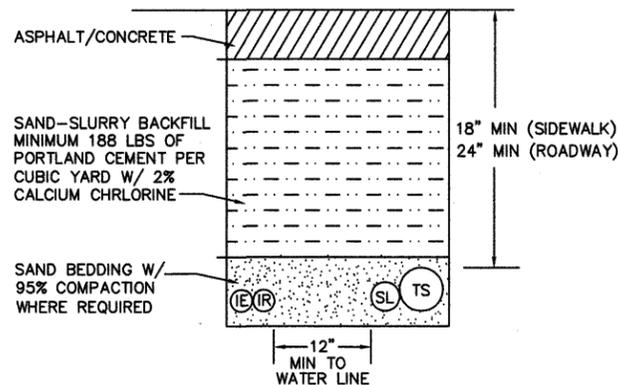
② NEW TYPE IIIAF SERVICE ENCLOSURE DETAIL
APPROX. 395 E 18TH ST

ENCLOSURE NOTES

1. EXTERIOR, GALV STEEL, AND INTERIOR 14 GA COLD ROLLED STEEL ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
2. CONSTRUCTION SHALL BE NEMA 3R, RAINTIGHT.
3. ALL NUTS, BOLTS AND SCREWS SHALL BE STAINLESS STEEL.
4. NUTS, BOLTS & SCREWS SHALL NOT BE VISIBLE FROM OUTSIDE OF ENCLOSURE.
5. NAMEPLATES SHALL BE PROVIDED AS REQUIRED.
6. CONTROL WIRING SHALL BE MARKED AT BOTH ENDS BY PERMANENT WIRE MARKERS.
7. A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
8. ENCLOSURE SHALL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.
9. COLOR: BOXWOOD GREEN (RAL 6011)
10. FOUNDATION PER CALTRANS STANDARD ES-2D

ENCLOSURE NOTES

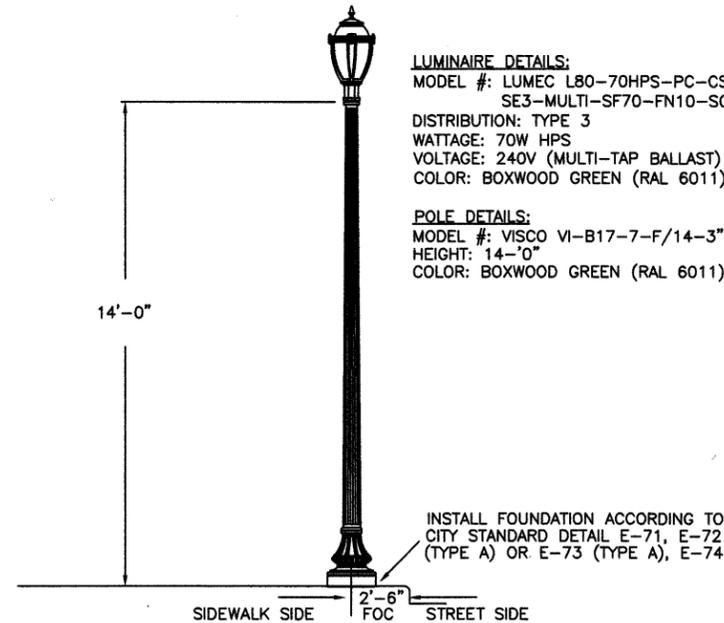
1. SAME ENCLOSURE NOTES AS 315 E 18TH ST (LEFT)



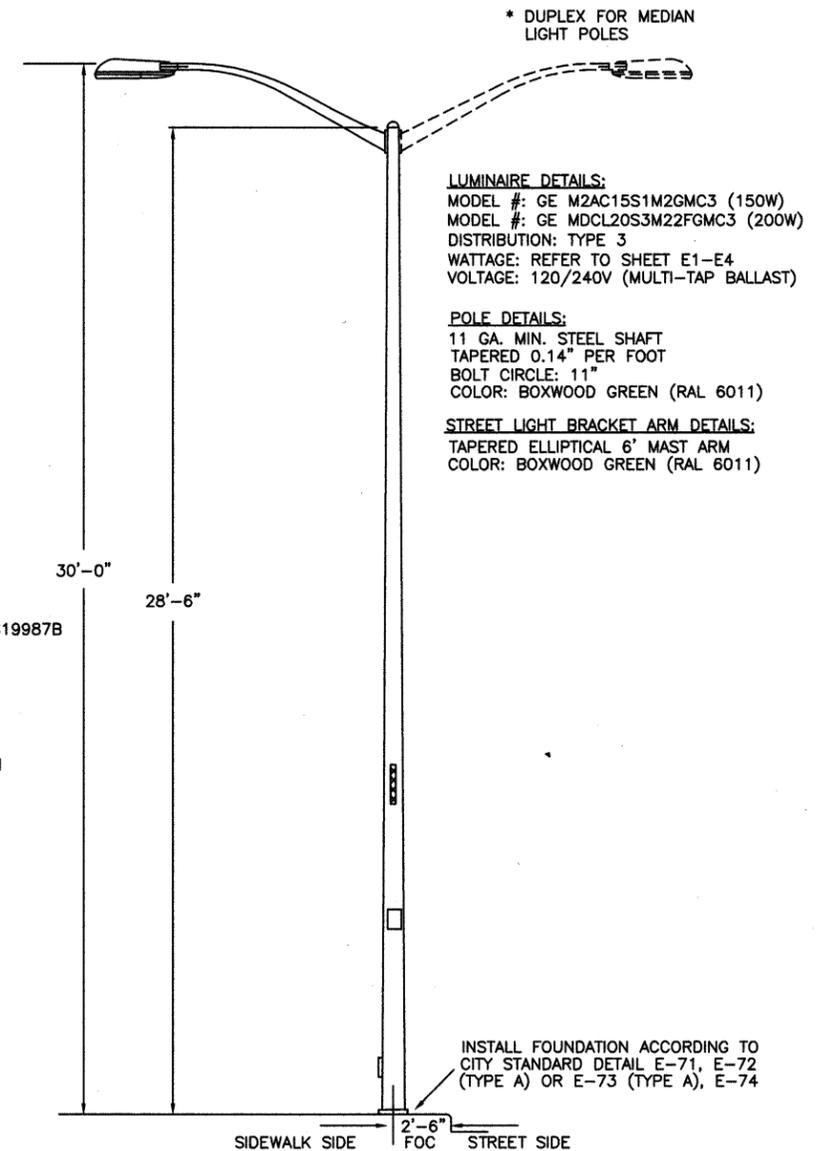
- ⓉS 3" TRAFFIC SIGNAL CONDUIT*
- ⓈL 2" STREET LIGHT CONDUIT
- ⓇR IRRIGATION SUPPLY LINE**
- ⓈE IRRIGATION ELECTRICAL LINE**

* WHEN APPLICABLE, REFER TO TRAFFIC SIGNAL PLANS
** WHEN APPLICABLE, REFER TO LANDSCAPING PLANS

⑤ JOINT TRENCH DETAIL
SCALE: N/A



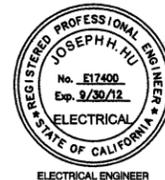
③ 14' PEDESTRIAN STANDARD
SCALE: N/A



④ 28'-6" STREET LIGHT STANDARD
SCALE: N/A



E18TH STREET IMPROVEMENT PROJECT



CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. C55424 EXP. 12/31/10				
CHECKED BY FC				
DESIGNED BY JH				
DRAWN BY JH				

ELECTRICAL PLAN
SHEET 5 OF 5

PROJECT NO.
P233285

SCALE: 1" = 20'
HOR: X"=X'
VERT: X"=X'
DATE: JAN 2011

SHEET NO.
E-5
37 OF 52

HALF SIZE

DRAWING NAME: \\Pw0710\server\ElectricalUsers\jhu\My Projects\SL - E 18th St (Between Lakeshore and Park)\AutoCAD\E5.dwg
PLOT DATE: 01-21-11
PLOT BY: hufg