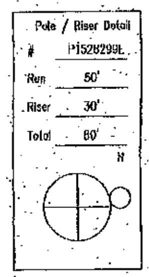
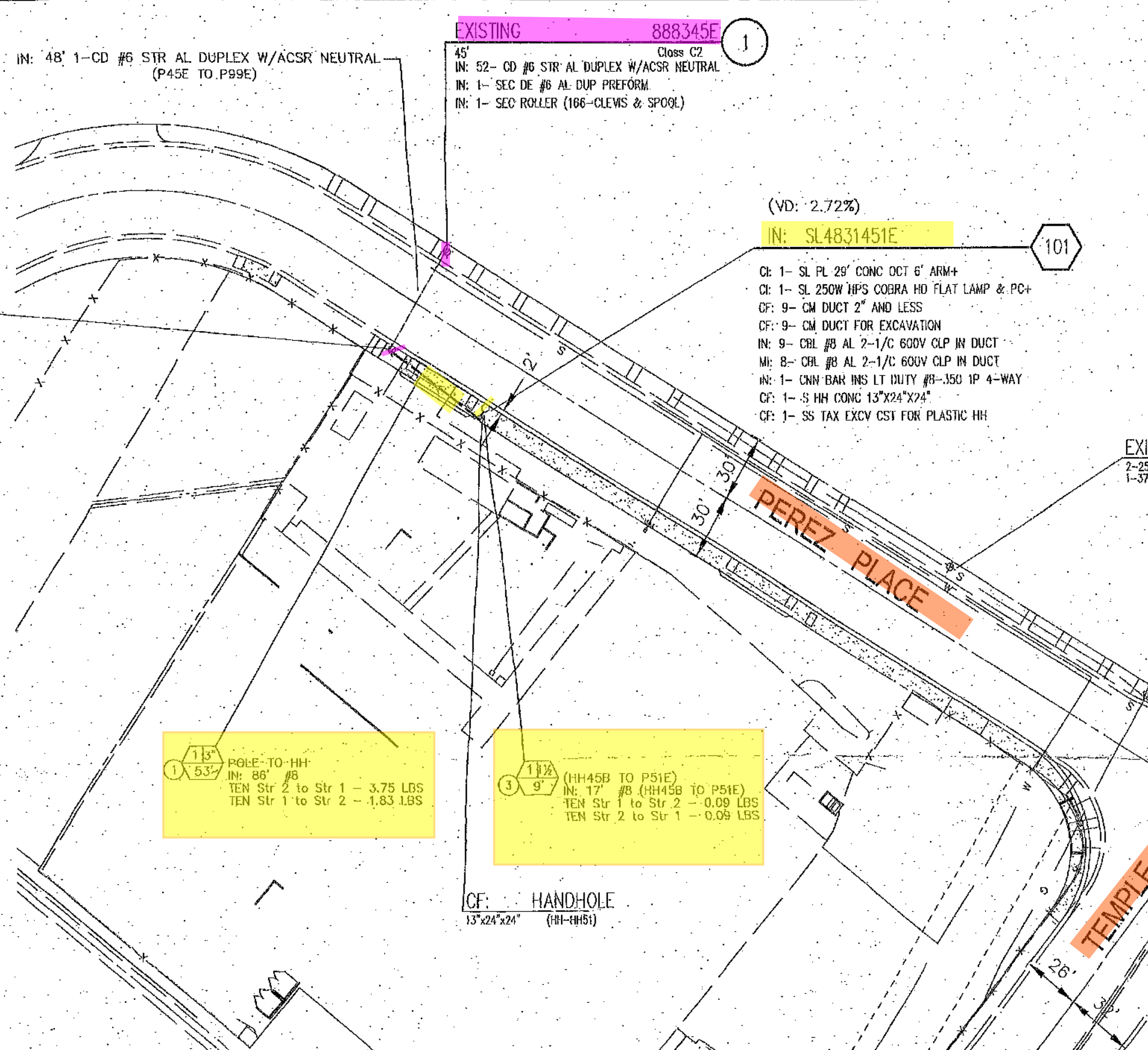




LEGEND
EXISTING
INSTALL

CONNECTING TO EXISTING SCE STRUCTURES

- Per SCE requirements, customers are not allowed to enter, intercept or tie-in to existing SCE structures, equipment or conductors. This work will only be performed by SCE. Contact the appropriate SCE inspector to schedule an appointment. Customers may connect to an existing duct stub without a SCE inspector present.
- Per CPUC/SCE's Rule 15 D.I.A and Rule 16 D.I.A., the customer will provide all necessary excavations (with the exception of excavation under pads and primary splice boxes), material (including conduit and structures) and encasement, to be utilized in the intercept/tie-in process.
- The customer must adhere to all applicable Cal-OSHA, local, city, state and federal regulations, (including, but not limited to, all necessary shoring and traffic control in place to perform the intercept/tie-in work by SCE's underground civil contractors(s))
- Intercept/tie-in work must be coordinated with SCE's civil contractors through the Division Inspector/CCI to limit exposure of excavation(s). Customer is responsible for securing excavation(s).

DOS: 12/10/07

CONSTRUCTION NOTES:

Unless otherwise specified on the working drawing which forms a part of the specification, the Contractor/Developer shall furnish the following items at no cost to the Edison Company.

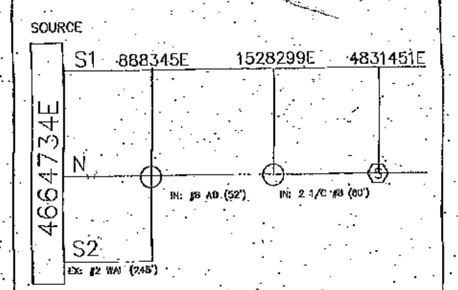
Southern California Edison Company has attempted to correctly show all existing utilities and substructures in the vicinity of the work, but does not guarantee there are no other substructures in the area. Failure of SCE to show all substructures in their correct location will not be a basis for a claim for extra work, and the contractor shall be responsible for all damages to substructures whether shown or not.

1. FOR GENERAL SPECIFICATIONS SEE UGS GI 001.
2. CONDUIT:
   a. Minimum cover in street or parkway is 30" below gutter grade, unless noted otherwise.
   b. Minimum cover on private property is 30" below finished grade, unless noted otherwise.
   c. Contractor is to furnish and install approved conduit to Edison specifications per UGS CD 100.1, 110 AND 120.
   d. For the type of conduit for this job, See UGS CD 110.1.
   e. Install all risers per UGS CD 160, 161, 162 and 170.
   f. Cap all mainline conduits per UGS CD 145 and service conduits per UGS CD 150.
   g. Install blank conduit plugs in all conduits terminating into Vaults, Manholes, PMH's, SOE's & all cap locations, per UGS CD 180.1 & UGS CD 180.2
   h. Install pull rope in all conduit runs. Pull rope to be 1/4" polypropylene or polyethylene rope, braided or twisted. For specifications, approved makes, and suppliers, see UGS GI 040.
   i. All conduit must be mandreled with the approved mandrel UGS CD 197.
3. CONDUIT RADIUS REQUIREMENTS:
   a. The minimum radius for bends are:
      36" for conduits 3" in diameter or smaller
      48" for conduits 4" and 5" in diameter
      60" for 6" diameter conduit
   b. The minimum radius for all sweeps of all mainline conduits is 12'-6" (unless noted otherwise).
4. EXCAVATION AND BACKFILL:
   a. Work area shall be cleared and rough graded to within four inches of final grade prior to installation of Edison conduit or structures.
   b. All excavations shall be in accordance with the California State Construction Safety Orders (when applicable), Edison specifications, and all governing local ordinances.
   c. Each trench to be a uniform depth below final grade prior to installation of Edison conduit or structures.
   d. Backfill shall be provided by the Contractor for all excavations and shall include crushed rock, concrete, and/or imported backfill, when required.
   e. Backfill with a MINIMUM of one sack per yard sand cement slurry around and over vaults and manholes per UGS GI 030, section 8.4 and around PMH's within one foot of finished grade, per UGS SS 590.1.
   f. Backfill, per Edison specifications, shall immediately follow conduit or substructure installation. At no time shall conduit be left exposed over 24 hours.
   g. No rocks are allowed within 12 inches of direct-buried cables or any conduit without concrete encasement. Native backfill capable of passing through a one-half inch mesh screen shall be considered to be "rock free". If existing backfill does not pass through a 1/2" screen, place imported sand 3" below and 12" above Edison cables. After this point, no rocks larger than 12" diameter are permitted.
   h. All backfill shall be compacted to meet or exceed local ordinances or other requirements. It shall be placed in a manner that will not damage the conduit or substructure or allow future subsidence of the trench or structures.
5. PAVING:
   Repaving, where required, shall be placed in such a manner that interference with traffic, including pedestrian traffic, will be kept to a minimum. The Contractor shall establish a program of repaving acceptable to the Municipality, County, or other authority having jurisdiction and which is acceptable to Edison.
6. STRUCTURES:
   a. All substructures shall be constructed or installed to Edison specifications.
   b. Install protective barriers per UGS SS 830 when required in areas exposed to traffic, per Edison inspector.
   c. All conduit lines and concrete floored substructures shall be water tight.
   d. All grounding materials shall be furnished and installed by the Contractor.
7. RETAINING WALLS:
   When required, retaining walls shall be provided by the Developer. Walls are required wherever grade rises more than 18 inches above the structure or 24" above the pad surface at a distance of 3 feet from the same, or in areas subject to erosion. Design and installation must comply with local building ordinances. Refer to Edison inspector for typical space requirements.
8. PERMITS:
   All permits necessary for excavation shall be provided by the Contractor/Developer.
9. ACCESS:
   Heavy truck access shall be maintained to equipment locations. Structures must be clear of all appurtenances that would obstruct the loading or unloading of equipment.
10. SERVICES:
    a. Meters and services shall comply with Edison Electrical Services Requirements.
    b. Wiring must be in accordance with applicable local ordinances and approved by local Inspection Authorities.
11. LOCATION:
    a. The location of excavations and structures for Edison shall be as shown on the working drawing. No deviation from the planned locations will be permitted unless approved by the Edison inspector. See UGS GI 001, section 2.2.
    b. Actual location of obstructions, storm drains, and/or other foreign utilities to be the responsibility of the Contractor. See UGS GI 001, section 2.3.
12. Contractor is to verify location and widths of all sidewalks and driveways prior to street light installation. See UGS CD 175.1, UGS CD 175.2 and UGS CD 175.3.
13. SURVEY:
    Surveying of street improvements, property corners, lot lines, finished grade, etc., necessary for the installation of underground facilities must be completed and markers or stakes placed prior to the start of the installation. In addition, Developer shall maintain the markers during the installation and inspection by Edison. Grade and property line stakes must show any offset measurements.
14. COORDINATION AND SUPERVISION:
    The Developer shall provide supervision over and coordination among the various contractors working within the development in order to prevent damage to Edison facilities. He is responsible for the cost of repairs, replacement, relocation, or other corrections to Edison facilities made necessary by his failure to provide supervision or to otherwise comply with these specifications.
15. TELEPHONE AND OTHER UTILITY REQUIREMENTS:
    The drawing prepared for this job may also cover the facilities to be installed for the telephone company and/or other utility. Any questions concerning details of their installation should be referred to the company concerned.
16. OWNERSHIP:
    Developer is to deed to the Edison Company all structures shown hereon except those shown as customer owned.
17. WARRANTY:
    Applicants expressly represent and warrant that all work performed and all material used in meeting Applicants' obligations herein are free from defects in workmanship and are in conformity with Southern California Edison Company's requirements. This warranty shall commence upon receipt by Applicants of Company's final acceptance and shall expire one year from that date. Applicants agree to promptly correct to the Company's satisfaction and that of any governmental agency having jurisdiction and at Applicant's expense any breach of this warranty which may become apparent through inspection or operation of underground electric system by Company during this warranty period.
18. INSPECTION:
    Inspection is required during the construction period. A 48 hour advance notice of intent to start construction is required from the contractor to the Southern California Edison Company. Standards of Edison construction requirements are available upon request.

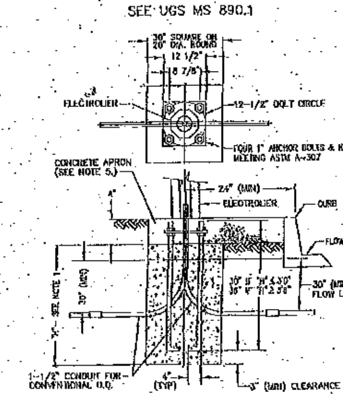
Duct and Structure Inspector: MIKE SANFORD Phone: (909) 394-2877
Cabling Construction Coordinator: Phone:

DOS: Rev. 07/17/07

PROPOSED STREET LIGHT SINGLE LINE DIAGRAM
TOOL 12KV O/O INDUSTRY SUB
888345E-4831451E



ELECTROLIER FOUNDATION
FOR FIBERGLASS NOSTALGIC, FIBERGLASS, STEEL, OR CONCRETE ELECTROLIERS
SEE UGS MS 890.1

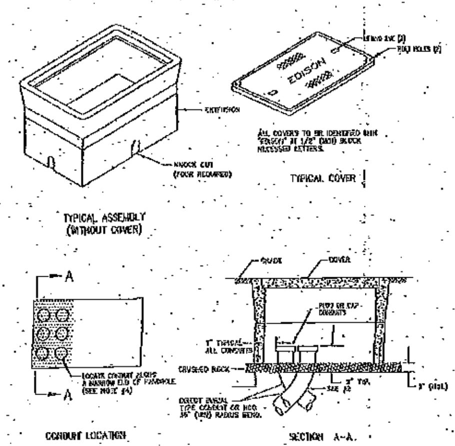


NOTES:

1. THE FOOTING DEPTH WILL VARY DEPENDING ON THE TYPE OF SOIL AND WIND LOADING REQUIREMENTS. CONSULT LOCAL GOVERNMENT AGENCY FOR REQUIREMENTS, SEE TABLE MS 890-1 THROUGH TABLE MS 890-4.
2. FOUNDATION SHALL BE INSTALLED AFTER CONDUIT (FOR UNDERGROUND SERVICE), CURBS, AND SIDEWALKS ARE IN PLACE AND GRADES ARE ESTABLISHED.
3. CONCRETE TO REACH A MINIMUM COMPRESSION STRENGTH OF 2800 PSI IN 28 DAYS. SEE UGS 20.3.
4. PLACE A MINIMUM SIZE CONCRETE APRON OF 30" X 30" X 4" THICK AROUND THE POLE AT GROUND LEVEL TO PROVIDE A CONSTRAINED SURFACE CONDITION WHEN REQUIRED. GROUT TO BE PLACED AFTER POLE IS SET AND PLUMBED.

DOS: Rev. 01/21/09

TYPICAL HANDHOLE INSTALLATION
SEE UGS HP 205



NOTES:

1. SEE UGS HP 200 FOR DIMENSIONS OF VARIOUS SIZE HANDHOLES AVAILABLE.
2. RADIUS ANGLE MAY BE REDUCED TO LESS THAN 90° PROVIDING THE PROJECTED CENTER LINE OF THE CONDUIT CLEARS HANDHOLE CRIBBING.
3. TWO HOLD DOWN DEVICES TO BE SUPPLIED WITH EACH HANDHOLE.
4. ALL CONDUITS SHOULD BE INSTALLED WITHIN THE SHADED AREA.

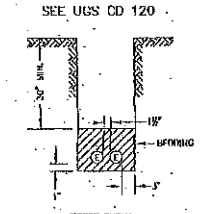
REF: UGS HP 205
U/S FER 06/24/07

LEGEND CODE DEFINITIONS

- CI - CUSTOMER CONTRACTOR INSTALLED: MATERIALS FURNISHED AND INSTALLED BY APPLICANT AT EDISON'S EXPENSE AND ARE DEEDED TO EDISON. (EXCEPTION: STREET LIGHT ELECTROLIERS WILL BE INSTALLED BY EDISON'S CONTRACTOR.)
- CO - CUSTOMER CONTRACTOR OWNED: MATERIALS FURNISHED, INSTALLED, OWNED, AND MAINTAINED BY APPLICANT.
- CF - CUSTOMER CONTRACTOR FURNISHED: MATERIALS FURNISHED AND INSTALLED BY APPLICANT AT APPLICANT'S EXPENSE THAT MAY BE DEEDED TO EDISON.
- IN - INSTALL: MATERIALS FURNISHED AND INSTALLED BY APPLICANT IF APPLICANT INSTALLED PROJECT OR BY EDISON IF EDISON INSTALLED PROJECT. (EXCEPTION: FOR AN APPLICANT INSTALLED LINE EXTENSION, STATION NOS. ___)
  PAYING AN ASTERISK ADJACENT TO AN "IN" LEGEND CODE REPRESENTS MATERIALS TO BE PROVIDED BY APPLICANT AND INSTALLED BY EDISON IN ALL CASES. REFER TO DPD 8258, PROJECT MATERIAL LIST BY ASSEMBLY WITHIN A STATION.
- MI - MEMO INSTALL: SAME AS IN-INSTALL.
- MR - MEMO REMOVE: MATERIALS REMOVED BY EDISON.
- RM - MEMO REMOVAL: MATERIALS REMOVED BY EDISON.
- SI - SHOOFLY IN: MATERIALS FURNISHED AND INSTALLED BY EDISON FOR TEMPORARY CONSTRUCTION.
- SR - SHOOFLY REMOVE: MATERIALS REMOVED BY EDISON FOR TEMPORARY CONSTRUCTION.
- TR - TRANSFER: EDISON LABOR REQUIRED TO TRANSFER EXISTING FACILITIES.

DOS: Rev. 11/85

TYPICAL CONDUIT BANK SECTION
SEE UGS CD 120



DIRECT BURIAL
SIMILAR CONSTRUCTION FOR FEWER CONDUIT
2 CONDUITS MAX.

DOS: Rev. 02/13/09

UNDERGROUND SERVICE ALERT
1-800-422-4133
or
1-800-227-2600
Call USA
For Underground Locating
2 Working Days Before You Dig

WARNING

THE EXCAVATOR MUST TAKE ALL STEPS NECESSARY TO AVOID CONTACT WITH UNDERGROUND FACILITIES WHICH MAY RESULT IN INJURY TO PERSONS OR DAMAGE TO FACILITIES IN THE AREA. THE INDICATED LOCATIONS OF EDISON UNDERGROUND FACILITIES, AS PROVIDED, ARE BELIEVED TO BE ACCURATE. HOWEVER, THE FINAL DETERMINATION OF EXACT LOCATIONS AND THE COST OF REPAIR TO DAMAGED FACILITIES IS THE RESPONSIBILITY OF THE EXCAVATOR.

PROJECT REQUIREMENTS

- EDISON EASEMENT REQUIRED ☐
- PWRD 88 REQUIRED ☐
- PERMIT REQUIRED ☐
- PERMIT TYPE: ____________
- OUTAGE REQUIRED ☐
- TRAFFIC CONTROL REQUIRED ☐
- PED. TRAFFIC CONTROL REQ'D ☐
- CONVEYANCE LETTER REQ'D ☐

THIS PLAN APPROVED AS TO LOCATION AND TYPE OF ELECTRIC SUBSTRUCTURES

Developer: ____________
Attn: ____________
Address: ____________
Telephone: ____________
FAX: ____________

Dwg./Rev.	Developer's Signature	Date
Original		
Rev.		
Rev.		
Rev.		

CHANGES IN THESE PLANS WILL REQUIRE AN ADDITIONAL 3 TO 4 WEEKS AND CUSTOMER WILL BE CHANGED IN ADVANCE FOR REQUESTED CHANGES.

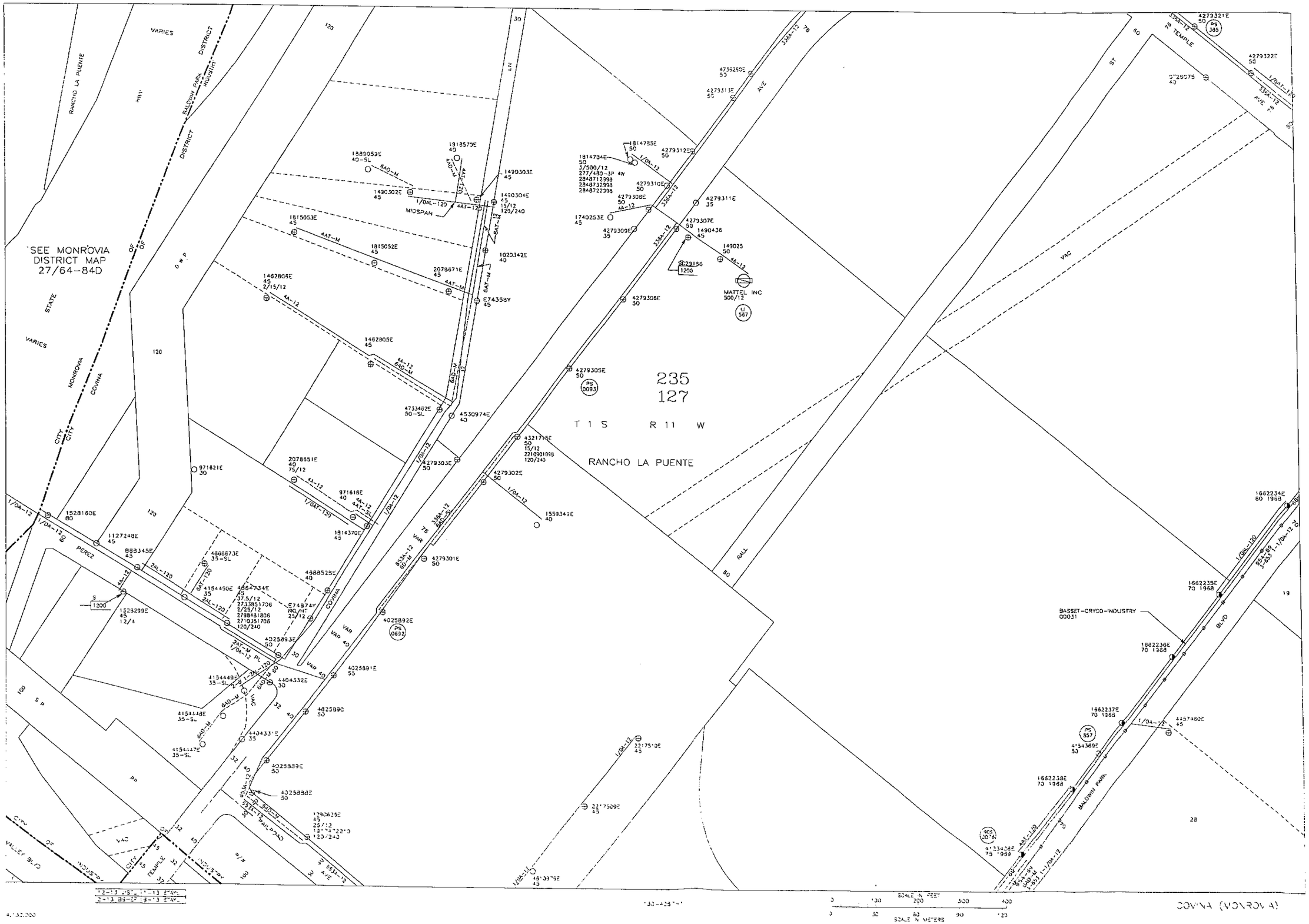
DOS: Rev. 02/12/08

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

SCALE: 1" = 40'
0 40 80

TOOL 12KV O/O INDUSTRY SUB

DISTRICT 26 — COVINA	PROJ. MGR. EDDIE GADDISON PHONE (909) 394-2833	PLANNER EDDIE GADDISON PHONE (909) 394-2833	
FOREMAN	TRUCK NO. P/E; INVENTORY MAP NO. 132-4287-1; THOMAS GUIDE LAC 637 G3; GRID NO. 000		DESIGN NO. 591034_0.01
CSD 140 Y__ N__; BY-PASS CODE	EXISTING CHANGE TO; TLM CHECKED; %LOAD	J.P.A. NO.	ASSOCIATED DESIGN NO.
PRODUCT/SAP NO. 817007-ST LT INSTALLATION	PRODUCT/SAP NO.	PRODUCT/SAP NO.	
05/22/14	SANDRA LOPEZ	PROPOSED CONSTRUCTION (LOCATION) 13001 TEMPLE AVE INDUSTRY CA 91746	
TYPE APPROVED BY DATE	CHECKED BY DRAWN BY PAX #	SHEET 1 1	JOB NO. 591034_0.01


SEE MONROVIA DISTRICT MAP 27/64-84D
RANCHO LA PUENTE
235
127
T 1 S R 11 W
MATTEL INC
MIDSPAN
BASSET-CRYCO-INDUSTRY
COVINA (MONROVIA)
SCALE IN FEET
SCALE IN METERS