

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.

- FOR GENERAL SPECIFICATIONS SEE UGS GI 001.
- CONDUIT:
 - Minimum cover in street or parkway is 30" below gutter grade, unless noted otherwise.
 - Minimum cover on private property is 30" below finished grade, unless noted otherwise.
 - Contractor is to furnish and install approved conduit to Edison specifications per UGS CD 100.1, 110 AND 120.
 - For the type of conduit for this job, See UGS CD 110.1.
 - Install all risers per UGS CD 160, 161, 162 and 170.
 - Cap all mainline conduits per UGS CD 148 and service conduits per UGS CD 150.
 - 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.
 - 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.
 - All conduit must be mandrelled with the approved mandrel UGS CD 197.
- CONDUIT RADIUS REQUIREMENTS:
 - 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
 - The minimum radius for all sweeps of all mainline conduits is 12'-6" (unless noted otherwise).
- EXCAVATION AND BACKFILL:
 - Work area shall be cleared and rough graded to within four inches of final grade prior to installation of Edison conduit or structures.
 - All excavations shall be in accordance with the California State Construction Safety Orders (when applicable), Edison specifications, and all governing local ordinances.
 - Each trench to be a uniform depth below final grade prior to installation of Edison conduit or structures.
 - Backfill shall be provided by the Contractor for all excavations and shall include crushed rock, concrete, and/or imported backfill, when required.
 - Backfill with a MINIMUM of one sack per yard sand cement slurry around and over vaults and manholes per UGS GI 030, section 6.4 and ground PMH's within one foot of finished grade, per UGS SS 590.1.
 - Backfill, per Edison specifications, shall immediately follow conduit or substructure installation. At no time shall conduit be left exposed over 24 hours.
 - 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.
 - 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.
- 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.
- STRUCTURES:
 - All substructures shall be constructed or installed to Edison specifications.
 - Install protection barriers per UGS MS 830 when required in areas exposed to traffic, per Edison Inspector.
 - All conduit lines and concrete floored substructures shall be water tight.
 - All grounding materials shall be furnished and installed by the Contractor.
- 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 5 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.
- PERMITS:

All permits necessary for excavation shall be provided by the Contractor/Developer.
- 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.
- SERVICES:
 - Meters and services shall comply with Edison Electrical Services Requirements.
 - Wiring must be in accordance with applicable local ordinances and approved by local Inspection Authorities.
- LOCATION:
 - 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.
 - 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.
- CONTRACTOR 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.
- 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.
- 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.
- 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.
- OWNERSHIP:

Developer is to deed to the Edison Company all structures shown hereon except those shown as customer owned.
- 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.
- 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.

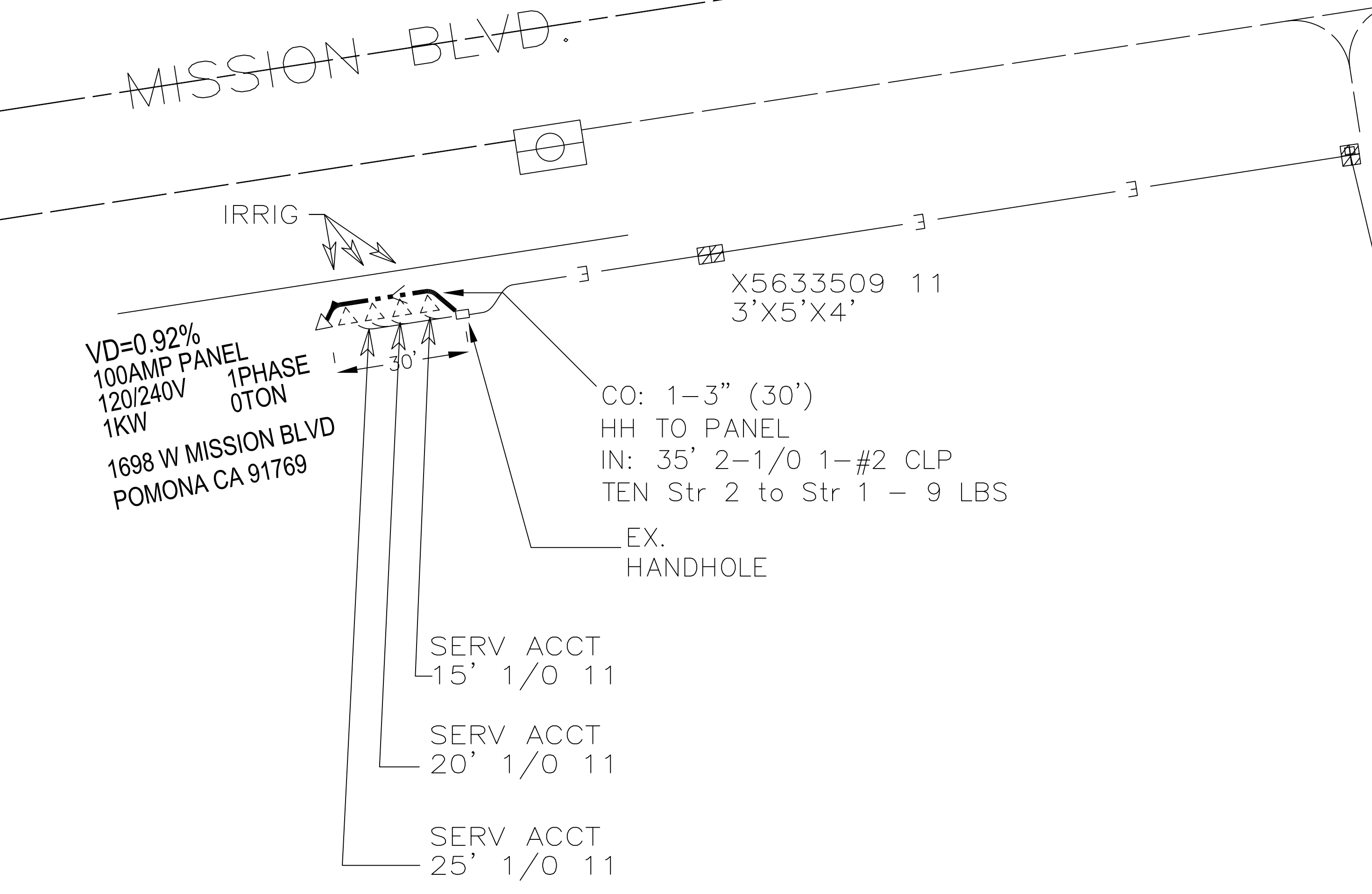
Duct and Structure Inspector: ROBERT STRAWN Phone: 909-592-3716
 Cabling Construction Coordinator: Phone:

D05: Rev. 07/17/07



SCALE: 1" = 40'
 0 40 80

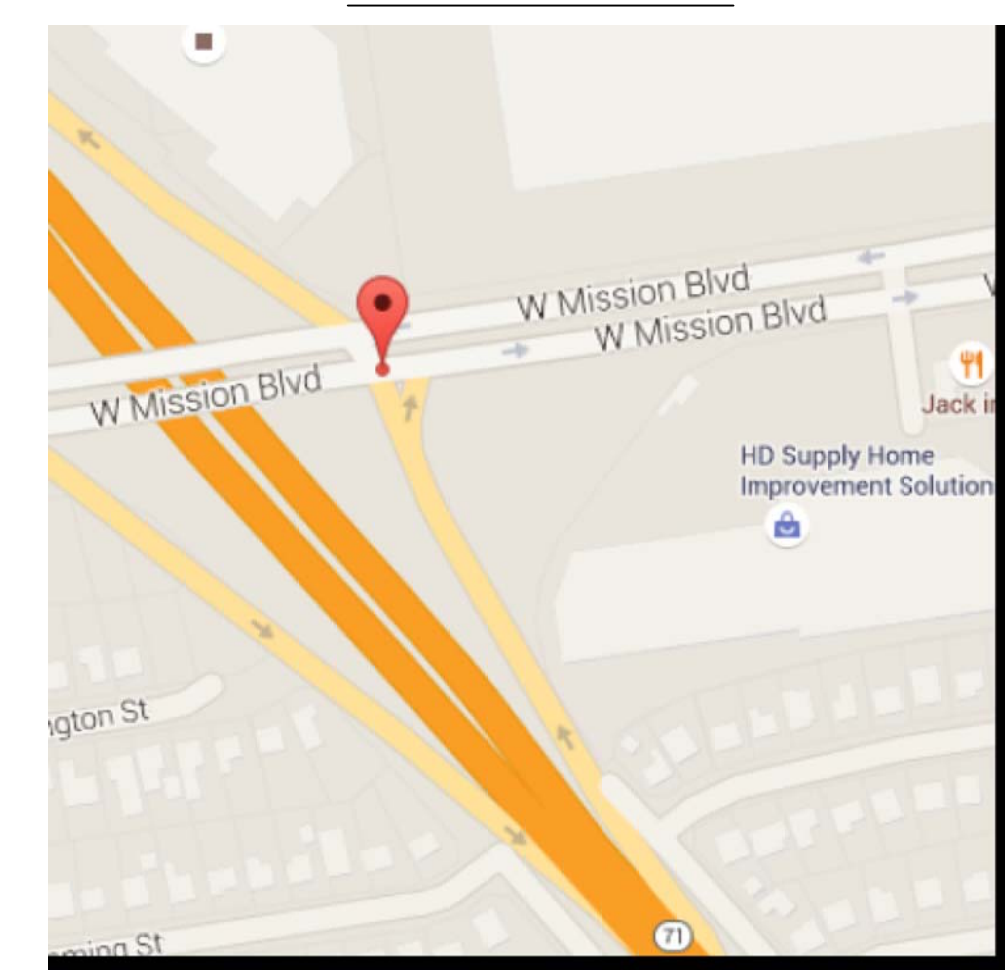
DISTRICT	215 - COVINA	PROJ. MGR.	COSTA, SHANE ANDREW	DESIGNER	YOUNG, LORI DIANE
PROJECT NO.	1131944	SERVICE REQUEST	2052502	PHONE	909-394-2829
CIRCUIT / VOLTAGE	CHIME 12kv	MSR NO.	7567102	PRODUCT-1	1047272-NEW METER & SERVICE
SUB / PG. NO.	GANESHA	CIRCUIT CODE		PRODUCT-2	
INVENTORY MAP	132-4354-5	J.P.A. NO.		PRODUCT-3	
PROPOSED CONSTRUCTION (LOCATION)					
1698 W MISSION BLVD POMONA, CA 91769					
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #
Southern California Edison Company					SHEET 1 OF 1
					DESIGN/DRAWG. NO. 738302_0.01



EX: P5633508 PAD 1
 48"x54"
 EX. 100 KVA/12KV TRANSFORMER
 IN: 2-1/0 1-#2 CLP 35' (1 runs)
 HH TO PANEL
 IN: 1- MTR KWH 30A 120/240 1P 3W

PANEL CLEARANCE
 UNDERGROUND SERVICE CONNECTIONS 0-600 VOLTS
 SEE ESR 3-16

VICINITY MAP



CUSTOMER CONTACT INFORMATION.
 RON CHAN - CITY OF POMONA
 909-620-2286

PROJECT REQUIREMENTS	
OUTAGE REQUIRED	<input type="checkbox"/>
PWRD-88 REQUIRED	<input type="checkbox"/>
ENVIRO CLEAN UP CREW	<input type="checkbox"/>
TRAFFIC CONTROL REQUIRED	<input type="checkbox"/>
PED TRAFFIC CONTROL REQ	<input type="checkbox"/>
LANE CLOSURE PERMIT REQ	<input type="checkbox"/>
NOTE: N/A	
EXCAVATION PERMIT REQ	<input type="checkbox"/>
NOTE: N/A	
EDISON EASEMENT REQUIRED	<input type="checkbox"/>
RAPTOR / EAGLE AREA	<input checked="" type="checkbox"/>

T.L.M. DATA : P5633508			
SIZE	KVA	CUST	%LOAD
EXIST : 100	12.5	4	13%
PROP : 100	13.5	5	14%

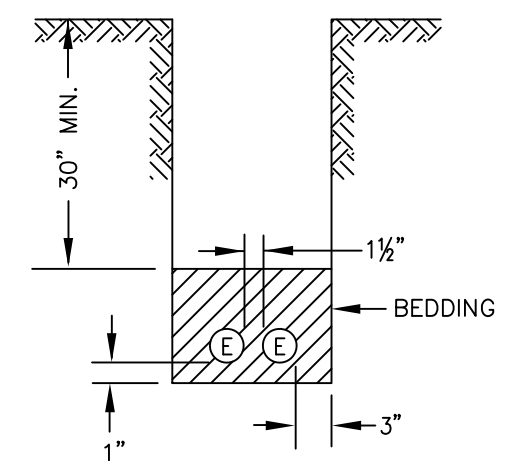
CUSTOMER-OWNED CONDUIT MATERIAL* AND CONCRETE ENCASEMENT ARE TO BE INSTALLED IN ACCORDANCE WITH EDISON ELECTRICAL SERVICE REQUIREMENTS.
 *SUBJECT TO APPROVAL BY LOCAL INSPECTION AUTHORITIES

D14: Rev. 01/85

TIE-IN MADE INTO A SECONDARY HANDHOLE
 If PVC conduit is used, riser bend installation may be made by the customer with prior SCE approval. Customer not to remove handhole cover. If metallic conduit is used or handhole cover needs to be removed, a SCE Qualified Person must be present.

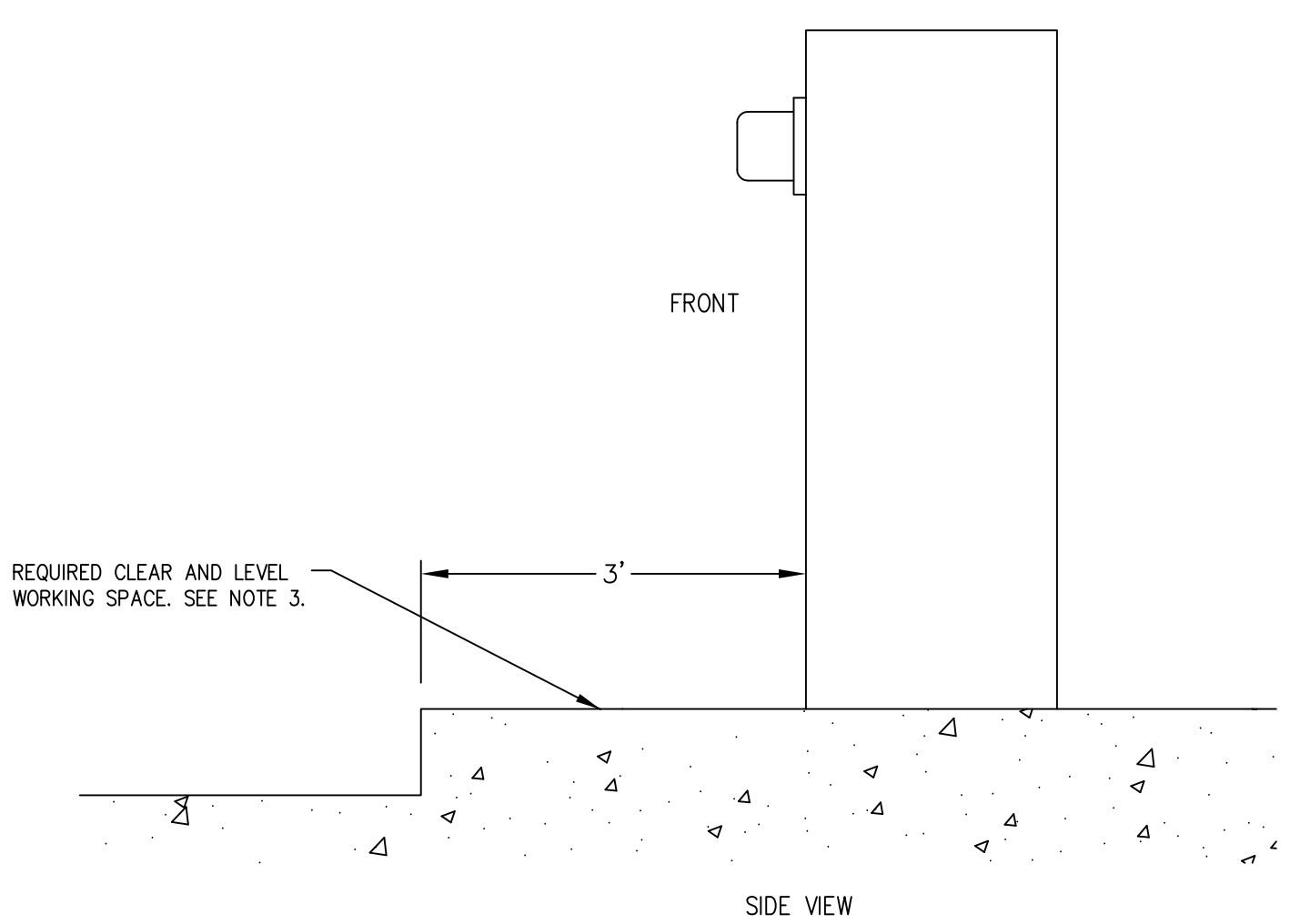
WARNING
 THE EXCAVATOR MUST TAKE ALL STEPS NECESSARY TO AVOID CONTACT WITH UNDERGROUND FACILITIES WHICH MAY RESULT IN INJURY TO PERSONS OR DAMAGE TO FACILITIES IN THE AREA. THE INDICATED LOCATIONS OF EDISON UNDERGROUND FACILITIES, AS PROVIDED, ARE BELIEVED TO BE ACCURATE. HOWEVER, THE FINAL DETERMINATION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

TYPICAL CONDUIT BANK SECTION
 SEE UGS CD 120



DIRECT BURIAL
 SIMILAR CONSTRUCTION FOR FEWER CONDUIT
 2 CONDUITS MAX.

D08: Rev. 09/23/09



- NOTES:
- A MINIMUM OF THREE (3) FEET OF CLEAR, LEVEL WORK SPACE IS REQUIRED IN FRONT OF ALL TERMINATION, METERING, AND SERVICE EQUIPMENT.
 - SEE ESR-5 FOR METER-MOUNTING HEIGHT REQUIREMENTS. METER MOUNTING HEIGHT WILL BE MEASURED FROM THE STANDING AND WORKING SPACE TO THE CENTERLINE OF THE METER(S).
 - WHEN SERVICE EQUIPMENT IS INSTALLED ON AN ELEVATED PORTION OF THE FLOOR/GROUND, OR HOUSEKEEPING PAD, THE PAD SHALL BE FLUSH WITH AND EXTEND A MINIMUM OF THREE (3) FEET. THIS IS MEASURED FROM THE FRONT OF THE SERVICE EQUIPMENT OR THE OUTER DOOR(S) OF THE SWITCHBOARD NEMA 3R ENCLOSURE WHEN INSTALLED. IN NO CASE SHALL THE MAXIMUM METER HEIGHT OF SIX (6) FEET THREE (3) INCHES BE EXCEEDED.
 - TO MAINTAIN A SAFE, CLEAR, AND LEVEL WORKING AREA IN FRONT OF NEW OR EXISTING METER AND SERVICE EQUIPMENT, A CONCRETE SLAB OR OTHER SUITABLE PERMANENT HARD SURFACE, ACCEPTABLE TO THE COMPANY, MUST BE USED.
 - FOR SWITCHBOARDS ABOVE 600V, FIVE-FOOT MINIMUM OF CLEAR AND LEVEL STANDING AND WORKING SPACE IS REQUIRED IN THE FRONT, REAR, AND SIDE OF ANY SECTION WHERE SUCH PART SUPPORTS OR PROVIDES ACCESS TO METERING, TESTING EQUIPMENT, OR SERVICE CABLE TERMINATION SECTIONS.

D99: 07/08/07