City of Rolling Hills

INCORPORATED JANUARY 24, 1957

NO. 2 PORTUGUESE BEND
ROAD ROLLING HILLS, CA
90274
(310) 377-1521
FAX (310) 377-7288

REQUEST FOR PROPOSALS
POTHOLING SERVICES IN SUPPORT OF
EASTFIELD DRIVE SCE RULE 20B PROJECT
FOR CITY OF ROLLING HILLS

PROPOSALS DUE 3 PM, April 9, 2024

SECTION 1 - BACKGROUND

The City of Rolling Hills (City), California invites firms familiar with Southern California Edison (SCE) potholing requirements to submit fee proposals for performing potholing services in support of the Eastfield Drive SCE Rule 20B Utility Undergrounding project. This project will underground existing overhead power and telecommunication lines along Eastfield Drive from approximately 45 Eastfield Drive to Outrider Road.

The City has received federal hazard mitigation grant funding in support of undergrounding existing overhead utilities to reduce fire hazards. In cooperation with SCE and other utility companies utilizing existing overhead facilities, SCE has prepared preliminary design plans for the defined project area. Under terms of the grant funding, the City is responsible to construct the underground infrastructure utilizing SCE's design. Prior to finalizing the design, SCE requires potholing to confirm the vault locations.

The successful Proposer, shall have at least five years of experience on similar types of projects. All Proposers responding to this Request for Proposal (RFP) will be evaluated on the basis of their fee. Note: all roads within the City are private and coordination with the Rolling Hills Community Association (RHCA) may also be required.

SECTION 2 - SCOPE OF SERVICES

The City of Rolling Hills is requesting a fee from selected firms that have experience in performing potholing services for SCE to validate vault locations as currently designed. Being a City project, prevailing wage is a requirement. The proposed vault locations are proposed in or adjacent to an existing two-lane road (one-lane each direction).

Scope of work includes:

1. Potholing for 6 vault locations as identified on SCE's Preliminary Design Plans for the Rule 2B Project (see Attachment 1)
2. Obtaining the required permit (no fee) from RHCA (see Attachment 2)
3. Restoring the potholing trenches in accordance with RHCA Trench Backfill and Pavement Repairs (see Attachment 3)
4. Provide appropriate Traffic Control, including flagmen where deemed necessary.

SECTION 3 - PROPOSAL REQUIREMENTS

Proposals will be considered from firms with experience and success in performing potholing services for SCE and based on fee. Please submit the following for consideration.

1. Lump Sum Fee
2. Submit hourly fee schedule for any additional services that may be required.
3. Any exceptions to the contract agreement the selected firm will be required to sign.

SECTION 4 - PROPOSAL PROCEDURE

All proposals are due no later than 3 pm on April 9, 2024. The City reserves the right to extend the deadline. The City will respond to request for clarification in written RFP addendum(s) as needed. All inquiries shall be directed to Christian Horvath at chorvath@cityofrh.net by 5 pm on April 3, 2024.

Please submit the proposal via email to:

Christian Horvath
City Clerk
chorvath@cityofrh.net

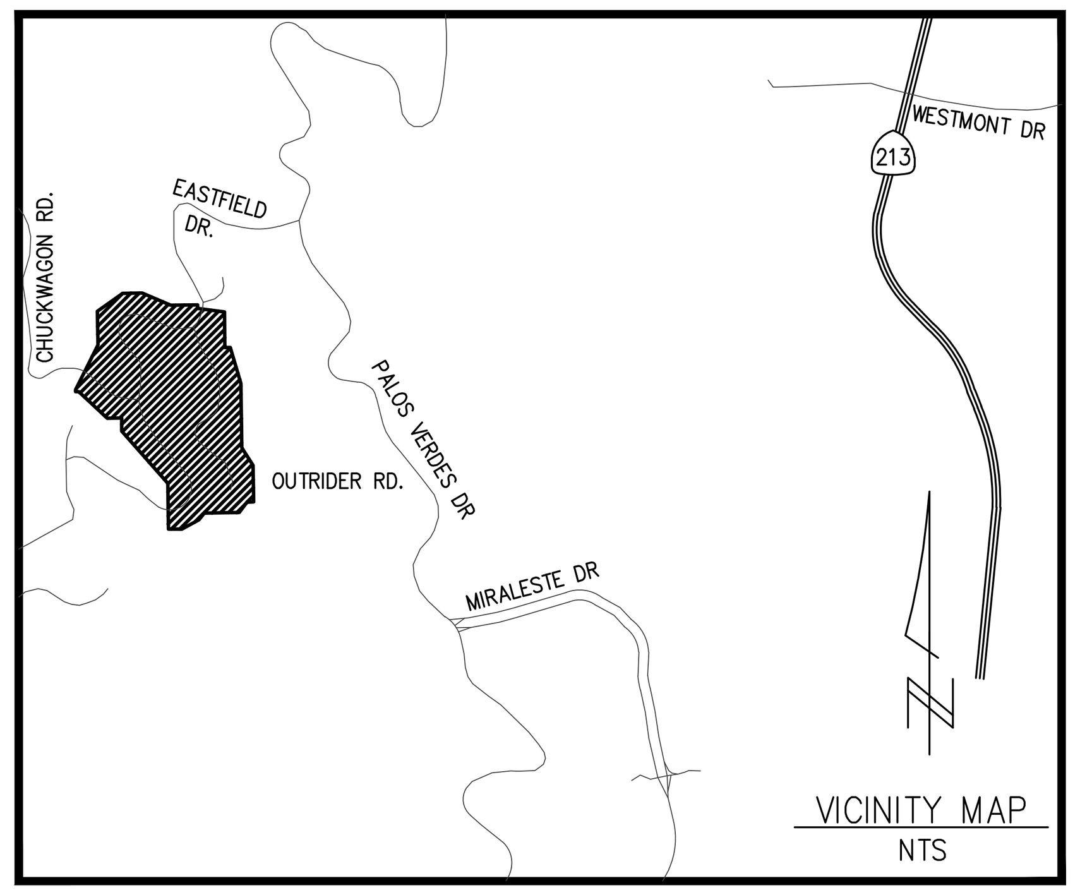
Submission of a proposal indicates acceptance by the firm of the conditions contained in this request for proposal unless clearly and specifically noted in the proposal submitted and confirmed in the agreement between the City of Rolling Hills and the firm selected. The City of Rolling Hills reserves the right without prejudice to reject any or all proposals. No reimbursement will be made by the City for costs incurred in the preparation of the response to this Request for Proposal. Submitted materials will not be returned and become the property of the City of Rolling Hills.

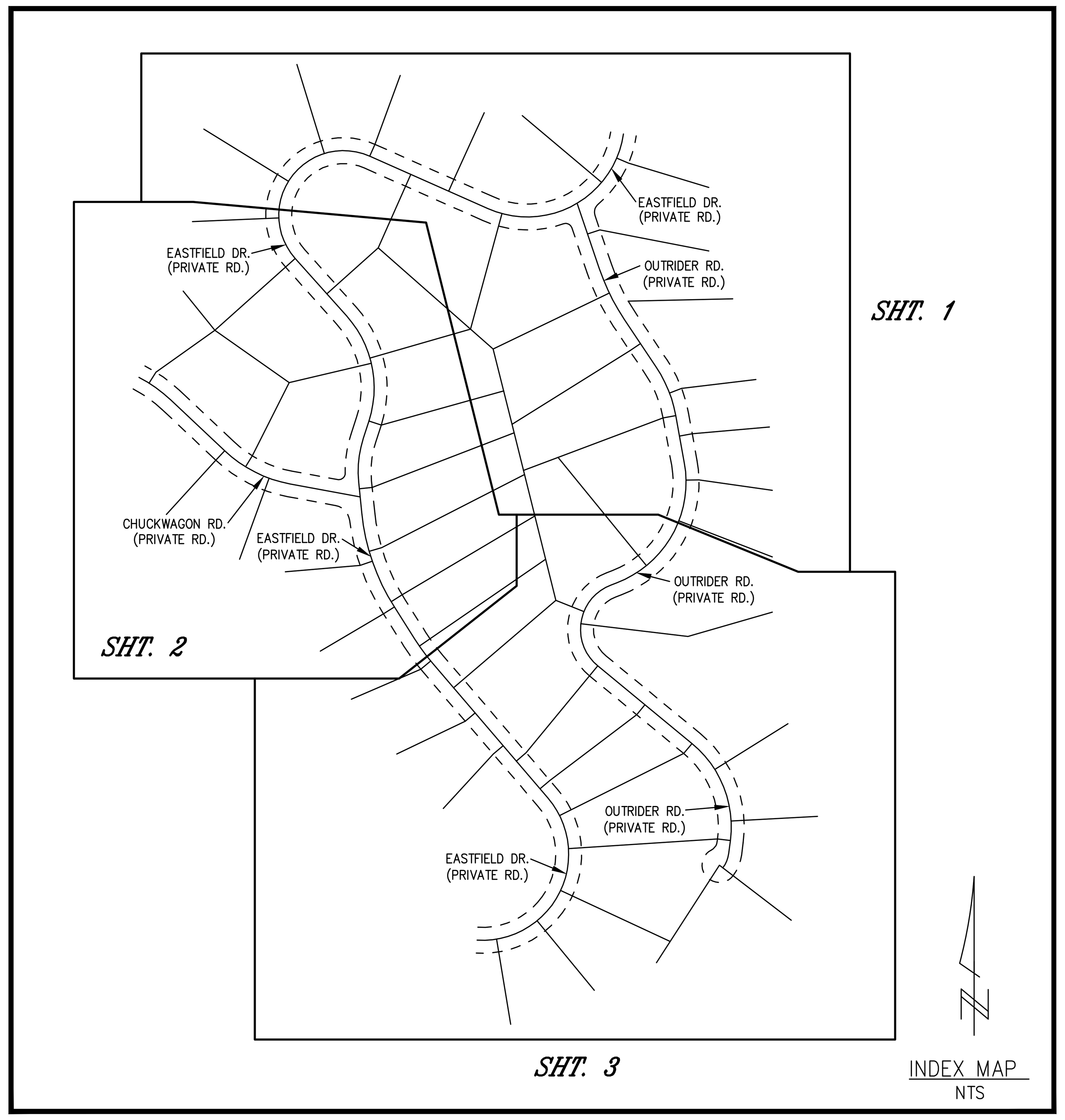
SECTION 5 – SELECTION/EVALUATION CRITERIA

Proposals will be evaluated on fee / hourly fee schedule submitted.

SECTION 6 - ATTACHMENTS

Attachment 1 – SCE Preliminary Design Plans
Attachment 2 – Rolling Hills Community Association Permit Application
Attachment 3 – Rolling Hills Community Association Trench Backfill and Pavement Repair Requirements





NOTE TO CREW:
WORK WITH RELATED TD2111183 R20B OH REMOVAL

CITY OF ROLLING HILLS

TD2111184 2QQ RULE 20B INSTALL UG

STATLER 16KV % WALTERIA SUB

ATTACHMENT 1

PROJECT REQUIREMENTS (Y/N)

EDISON EASEMENT REQUIRED	Y
PWRD 88 REQUIRED	Y
UG CIVIL ONLY WORK ORDER	Y
PERMIT REQUIRED	Y
PERMIT TYPE: ENCROACHMENT	
OUTAGE REQUIRED	Y
OUTAGE DATE: TBD TIME: TBD	
TRAFFIC CONTROL REQUIRED	Y
PED. TRAFFIC CONTROL REQ'D	N
CONVEYANCE LETTER REQ'D	N
ENVIRONMENTAL REQUIREMENTS DOCUMENT (ERD) REQUIRED	Y
CSD 140 (TLM) REQ'D	Y
CIRCUIT MAP CHANGE REQ'D (TD 203)	
DIG ALERT APP	Y
VERIFIED ACTIVE AND CONFIRMED USA TICKETS	Y
UTILIQUEST NOTIFIED	Y

STANDARD ADHERENCE: 04 Q/ 2023 Y

D124: Rev. 03/21/23

INSTALL METHOD:
☐ EDISON
☐ APPLICANT

D127A: Rev. 11/10/20

INVENTORY MAP NO.'S

LT-7636-G	LT-7635-A2
LT-7636-H	LT-7635-A4
LT-7635-A	LT-7635-B1
LT-7635-B	LT-7635-C1
LT-7635-C	LT-7635-C2
LT-7635-D	LT-7635-C3
LT-7636-G4	LT-7635-C4
LT-7636-H3	LT-7635-E2

PRELIMINARY
Not For Construction

UNDERGROUND SERVICE ALERT
Contact USA
Dial 811 or 800-422-4133
www.digalert.org/contact
For Underground Locating
Two Working Days Before You Dig

D161: Rev. 05/28/20

DISTRICT 44 – SOUTH BAY	PROJ. MGR. WILLIAMS, JENNA J PHONE 714-430-7842	PLANNER WILLIAMS, JENNA J PHONE 310-720-6086	DESIGNER CHIN, ELIZABETH

PROJECT NO. 2612821	SERVICE REQUEST 3500715	MSR NO.	PRODUCT-1 2111184-RULE 20B-UG INSTALL	ASSOC DESGN
CIRCUIT / VOLTAGE STATLER 16KV		GPS	PRODUCT-2	ASSOC DESGN
SUB / PG NO. WALTERIA SUB		CIRCUIT CODE	PRODUCT-3	ASSOC DESGN

INVENTORY MAP VARIOUS | J.P.A. NO.

TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #
P	12/29/2023	MUDILA K	J WILLIAMS	E CHIN	16484
P	10/10/2023	MUDILA K	J WILLIAMS	E CHIN	16484

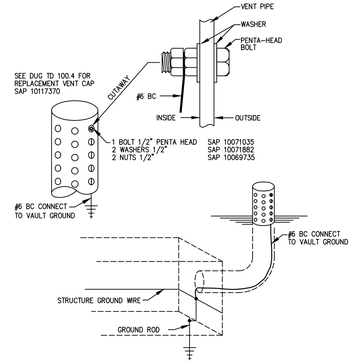
PROPOSED CONSTRUCTION (LOCATION)
RULE 20B
45 EASTFIELD DR
ROLLING HILLS CA 90274

SHEET 1 OF 7

DESIGN\DRWG NO. 1608857_0.01

Southern California Edison Company

GROUND CONNECTION INSTALLATION IN A PVC VENT
SEE UGS AC 760.1

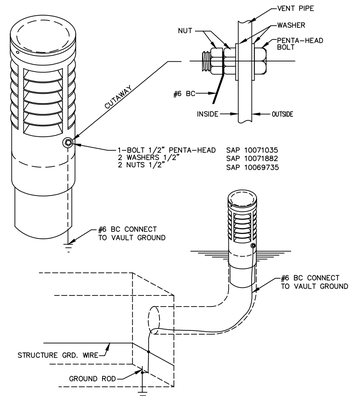


NOTE:

TO ASSIST IN UNDERGROUND STRUCTURE LOCATING FROM THE SURFACE, INSTALL A #6 BARE COPPER WIRE FROM INSIDE THE VENT PIPE TO THE STRUCTURE GROUND SYSTEM. THIS INSTALLATION WILL ALLOW A SINGLE PERSON CREW TO TIE INTO THE SYSTEM GROUND AND LOCATE THE FACILITIES UNAIDED. THE INSTALLATION SHOULD BE MADE DURING NEW CONSTRUCTION, ADDED TO THE APPROPRIATE STRUCTURE DURING THE ROUTINE MAINTENANCE CYCLE, OR AS THE NEED ARISES BY REQUEST FOR ASSISTANCE FROM THE CONTRACT CABLE LOCATING COMPANY.

D37: REV. 10/26/20

GROUND CONNECTION INSTALLATION IN A POLYETHYLENE VENT
SEE UGS AC 760.2



NOTES:

1. TO ASSIST IN UNDERGROUND STRUCTURE LOCATING FROM THE SURFACE, INSTALL A #6 BARE COPPER WIRE FROM INSIDE THE VENT PIPE TO THE STRUCTURE GROUND SYSTEM. THIS INSTALLATION WILL ALLOW A SINGLE PERSON CREW TO TIE INTO THE SYSTEM GROUND AND LOCATE THE FACILITIES UNAIDED. THE INSTALLATION SHALL BE MADE TO A MINIMUM OF ONE VENT PER VAULT DURING NEW CONSTRUCTION, ADDED TO THE APPROPRIATE STRUCTURES DURING THE ROUTINE MAINTENANCE CYCLE, OR AS THE NEED ARISES BY REQUEST FOR ASSISTANCE FROM THE CONTRACT CABLE LOCATING COMPANY.
2. DRILL A 9/16" HOLE FOR GROUNDING BOLT APPROXIMATELY ONE INCH BELOW THE LOWEST VENTILATION FIN SLOT. THE GROUND CONNECTION SHOULD BE ATTACHED ON THE SIDE OF THE VENT FACING AWAY FROM THE STREET. THIS IS DONE TO MAINTAIN A FLAT SURFACE FOR ATTACHING STRUCTURE IDENTIFICATION STICKERS.

D103: REV. 10/26/20

CITY OF ROLLING HILLS

TD2111184 2QQ RULE 20B INSTALL UG

STATLER 16KV % WALTERIA SUB

NOTE TO CREW:
WORK WITH RELATED TD2111183 R20B OH REMOVAL

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.

NOTE:
ALL ELECTRICAL DUCTS AND STRUCTURES WILL CONFORM TO GENERAL ORDER #128 (RULES FOR CONSTRUCTION OF UNDERGROUND ELECTRICAL SUPPLY AND COMMUNICATION PRESCRIBED BY THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA, JANUARY 2006).

RUN NUMBER CALL–OUTS AS FOLLOWS:

(1) – (199) MAINLINE CONDUIT
(200) – (599) SERVICE CONDUIT
(600) – (799) STREET LIGHT CONDUIT

WHERE CONDUITS ARE PICKED UP OR INTERCEPTED, CONDUIT SHALL BE MANDRELLED AND PULL ROPE INSTALLED FROM TERMINAL TO TERMINAL.

D84: Rev. 10/26/20

LEGEND OF DRAFTING SYMBOLS

TRENCH

- EDISON CONDUIT (DIST. & SL)
- CUST. OWNED CONDUIT
- RESIDENTIAL SERVICE CABLE
- E — EXISTING CONDUIT

STRUCTURES

- VAULT
- MANHOLE
- PME 3–5
- PME 6–12
- PULL BOX
- HANDHOLE
- SOE
- PAD
- 4'x4' BURD SWITCH ENCLOSURE
- 36" BURD SWITCH ENCLOSURE
- BURD TRANSFORMER ENCLOSURE
- STREET LIGHT ELECTROLIER
- C/I METER PANEL
- FIRE HYDRANT

D128: Rev. 11/10/20

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 sweeps are:
36" for conduits 3" in diameter or smaller
12'–6" for conduits 4" in diameter and larger, unless otherwise noted.

CONTRACTOR/DEVELOPER NOTES

- TEMPORARY BARRIERS TO BE PLACED AROUND ALL EDISON STRUCTURES DURING CONSTRUCTION
- CUSTOMER TO VERIFY EXACT LOCATION OF STREET LIGHTS PRIOR TO INSTALLATION.
- WHERE SLEEVES OR STUB OUTS ARE INSTALLED, CONTRACTOR TO MANDREL AND INSTALL PULL ROPE
- ANY SERVICES THAT ARE NOT INSTALLED IN CONJUNCTION WITH THE MAIN LINE SYSTEM WILL REQUIRE A MINIMUM OF 3" CUSTOMER OWNED SERVICE CONDUIT AT THE TIME OF CONSTRUCTION OF THE HOME.
- DEVELOPER IS RESPONSIBLE FOR LOCATING EXISTING DUCT, SLEEVES, AND STUB OUTS. LOCATIONS SHOWN ON MAP ARE NOT GUARANTEED. IF NOT EXISTING, THE DEVELOPER MUST PROVIDE THESE ITEMS.

D129: Rev. 11/10/20

CONNECTING TO EXISTING SCE STRUCTURES

- Per SCE requirements, customers are not allowed to enter, intercept or tie–in to existing SCE facilities; e.g. structures, equipment, multi–conduit runs/banks, or conductors. These facilities may be energized and the work will only be performed by SCE. Contact the appropriate SCE inspector to schedule an appointment. Customers may connect to an existing conduit stub without a SCE inspector present.
- Multi–conduit runs/banks are runs of conduit in close proximity to each other and other SCE facilities. A conduit stub is a single empty conduit stub that is not in close proximity to other SCE owned facilities. Refer to the work order map for details.
- Per CPUC/SCE's Rule 15 B.1.A and Rule 16 D.1.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 contractor(s)).
- Intercept/tie–in work must be coordinated with SCE's civil contractors through the Division Inspector/P–Spec to limit exposure of excavation(s). Customer is responsible for securing excavation(s).

D08: 11/13/18

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.

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

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 148 and service conduits per UGS CD 150.
   g. Install blank conduit plugs in all conduits terminating into Vaults, Manhole's, 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 at least 3/8" polypropylene 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 6.4 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 protection barriers per UGS MS 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 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.
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: MARIO SAUCEDO Phone: 310–502–1029
Cabling Construction Coordinator: Phone:

D05: Rev. 07/21/16

CONCRETE PRODUCTS

Precast concrete item complete with neck. Cover and inserts may be obtained from any of the following listed and approved manufacturers:

JENSEN PRECAST
14221 San Bernardino Ave., Fontana, Calif. 92335
Phone: (909) 350–4111
(800) 257–6100

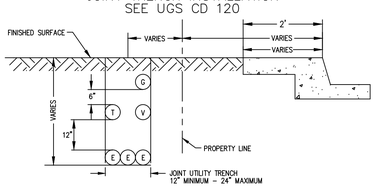
OLDCASTLE PRECAST
10650 Hemlock Ave., Fontana, Calif. 92337
Phone: (909) 428–3700
(800) 626–3860

FOR HANDHOLE AND PULLBOX MANUFACTURERS, SEE UGS HP 200.

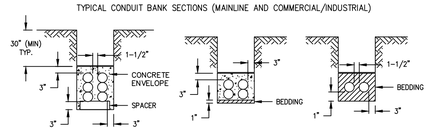
D41: Rev. 01/21/09

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 the 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 Applicants' expense any breach of this warranty which may become apparent through inspection or operation of underground electric system by the Company during this warranty period.

JOINT TRENCH INSTALLATION
SEE UGS CD 120

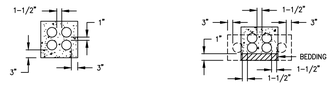


TYPICAL CONDUIT BANK SECTIONS (MAINLINE AND COMMERCIAL/INDUSTRIAL)



FULL ENCASEMENT MORE THAN 4 CONDUITS (BASE SPACER REQUIRED)
SEMI–ENCASEMENT 3 OR 4 CONDUITS
DIRECT BURIAL

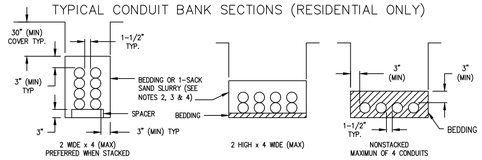
SPECIAL CONDUIT FORMATIONS



CONDUIT BANK TERMINATIONS
MINIMUM SEPARATIONS REQUIRED BETWEEN ALL TYPES OF CONDUIT AT CONDUIT ENTRANCES TO SUBSTRUCTURES.

CONDUIT ROLLING
USED ONLY WHEN SPECIFIED OR SANCTIONED FOR DUCTS TO OCCUPY MINIMUM VERTICAL SPACE AND MAINTAIN REQUIRED COVER.

TYPICAL CONDUIT BANK SECTIONS (RESIDENTIAL ONLY)



NOTE(S):
1. SPACING AND CONCRETE COVERAGE AS SHOWN IS MINIMUM.
2. SPACERS, WHEN REQUIRED, WILL BE AS RECOMMENDED BY THE CONDUIT MANUFACTURER AND APPROVED BY THE COMPANY AND WILL BE PLACED AT THE INTERVALS SHOWN IN TABLE CD 120–1 (SHEET 1). VERTICAL SPACERS AND BASE SPACERS WILL BE MANUFACTURED FROM RIGID NONCOMPRESSABLE–TYPE MATERIALS. USE TEMPORARY MEANS TO MAINTAIN HORIZONTAL CONDUIT SPACING AT THESE INTERVALS UNTIL BACKFILL BEDDING OR ENCASEMENT IS PLACED.

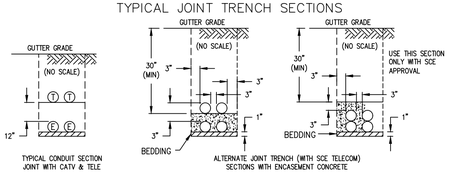
TABLE CD 120–1: HORIZONTAL CONDUIT SPACING INTERVALS

CONDUIT SIZE	2"	3"	3–1/2"	4"	5"	6"
SPACING WITH ENCASEMENT	10'	10'		10'		
SPACING WITH NONENCASEMENT	10'	8'		6'		

3. BASE SPACERS ARE REQUIRED ON ALL BANKS OF MORE THAN FOUR CONDUITS.
4. THE CONDUIT WILL BE OF AN APPROVED MAKE AND MANUFACTURE AS SET FORTH IN STANDARDS CD 115.
5. TYPES:
   A. "EB" (TYPE I) FOR ENCASED AND SEMI–CASED INSTALLATIONS
   B. "DB" (TYPE II) FOR DIRECT BURIAL
   C. "SCH. 40" RIGID PVC FOR INSIDE BORE CASINGS
6. FOR GENERAL CONDUIT BANK, CONCRETE, AND TRENCHING REQUIREMENTS, SEE CD 100.
7. INSTALL BARE COPPER NEUTRAL WIRE ONLY WHEN SPECIFIED ON WORKING DRAWING. FOR MAINLINE APPLICATIONS (INCLUDING 4–WIRE TAPLINES) WHEN THE NEUTRAL IS PRESENT ON AN OVERHEAD STRUCTURE THAT FEEDS A PRIMARY RISER, THE NEUTRAL SHALL BE CONTINUOUS TO THE FIRST UNDERGROUND STRUCTURE. A BARE COPPER NEUTRAL WIRE, AS SPECIFIED ON THE WORKING DRAWING, SHALL BE PLACED, AND FULLY ENCASED IN CONCRETE, AT THE LOWER REGION OF THE DUCT BANK, PREFERABLY IN–BETWEEN CONDUITS.
8. CONCRETE ENCASEMENT WILL BE KEPT UNIFORM. EXCESSIVE AMOUNTS OF CONCRETE WILL BE AVOIDED.
9. BEDDING WILL BE IN ACCORDANCE WITH CD 100.

D70: 10/26/20

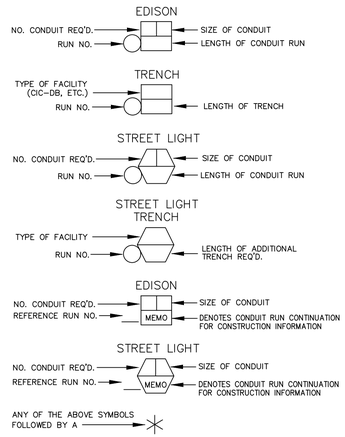
TYPICAL JOINT TRENCH SECTIONS



NOTE(S):
1. CONDUIT SECTIONS SHOULD HAVE NO MORE THAN EIGHT SCE CONDUITS, AND NO CONDUIT SHOULD BE SURROUNDED ON FOUR SIDES BY OTHER CONDUITS.
2. ANY CONDUIT SECTION WITH STACKED CONDUIT MUST BE BACKFILLED WITH BEDDING (SEE NOTE 4) OR ONE–SACK SAND SLURRY. (STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SECTION 201–1.2 MIX 100–E–100.)
3. TWO–SACK CONCRETE ENCASEMENT PER CD 100 WILL BE USED IN JOINT TRENCH IN ORDER TO REDUCE TELECOM CONDUIT CLEARANCES TO THREE INCHES MINIMUM PER THE ABOVE JOINT TRENCH SECTIONS. ONE–SACK SAND SLURRY IS NOT A SUBSTITUTE FOR ENCASEMENT CONCRETE.
4. BEDDING MATERIAL WILL BE CLEAN SAND OR PEA GRAVEL; NATIVE MATERIALS MEETING THE REQUIREMENTS OF CD 100 ARE ONLY PERMITTED FOR THE NONSTACKED CONFIGURATION AND ARE NOT PERMITTED TO BED PADS AND RISERS AT BOXES.
5. CONDUIT WILL BE TYPE "DB" PER CD 110 AND WILL BE OF APPROVED MANUFACTURE PER CD 115. TYPE EB IS PERMITTED WHEN ENCASEMENT CONCRETE IS USED.
6. WHERE BOTH RESIDENTIAL AND NONRESIDENTIAL CONDUIT ARE IN THE SAME TRENCH, THE REQUIREMENTS OF SCOPE CD 120.1 SHALL APPLY.
7. SCOPE CD 120.1, SHEET 1 MAY BE USED FOR RESIDENTIAL CONSTRUCTION.
8. USE TEMPORARY SUPPORTS EVERY EIGHT FEET TO MAINTAIN HORIZONTAL CONDUIT ALIGNMENT. REMOVE AFTER CONCRETE IS PLACED.

D70A: 10/26/20

LEGEND OF CONDUIT SYMBOLS
(CONVENTIONAL U. G.)



DENOTES THE FOLLOWING:

DB CONDUIT WITHOUT ENCASEMENT IS ACCEPTABLE FOR PORTIONS OF TRENCH WITH ONLY ONE OR TWO CONDUITS

SEMI–ENCASEMENT IS REQUIRED FOR PORTIONS OF TRENCH WITH ONLY THREE OR FOUR CONDUITS

FULL ENCASEMENT IS REQUIRED FOR MORE THAN FOUR CONDUITS

D18: Rev. 5/08/2006

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. _____ HAVING AN ASTERISK ADJACENT TO AN "IN" LEGEND CODE REPRESENTS MATERIALS TO BE PROVIDED BY APPLICANT AND INSTALLED BY EDISON IN ALL CASES, REFER TO DPS 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 REMOVED: 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.

D31: Rev. 11/85

UNDERGROUND SERVICE ALERT
Contact USA
Dial 811 or 800-422-4133
www.digalert.org/contact
For Underground Locating
Two Working Days Before You Dig

D16: Rev. 05/28/20

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

SCALE: 1" = 60'
0 60 120

PRELIMINARY
Not For Construction

DISTRICT	PROJ. MGR. WILLIAMS, JENNA J		PLANNER WILLIAMS, JENNA J	DESIGNER
44 – SOUTH BAY	PHONE 3106085194		PHONE 3106085194	CHIN, ELIZABETH
PROJECT NO. 2612821	SERVICE REQUEST 3500715	MSR NO.	PRODUCT–1 2111184–RULE 20B–UG INSTALL	ASSOC DESGN
CIRCUIT / VOLTAGE STATLER 16KV		GPS	PRODUCT–2	ASSOC DESGN
SUB / PG NO. WALTERIA SUB		CIRCUIT CODE	PRODUCT–3	ASSOC DESGN

INVENTORY MAP	VARIOUS	J.P.A. NO.				PROPOSED CONSTRUCTION (LOCATION)
						RULE 20B
						45 EASTFIELD DR
P	12/29/2023	MUDLA K	J WILLIAMS	E CHIN	16484	ROLLING HILLS CA 90274
P	11/28/2023	MUDLA K	J WILLIAMS	E CHIN	16484	

TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #	SHEET	DESIGN\DRWG NO.
Southern California Edison Company						2 OF 7	1608857_0.01

FILE NAME: I:\608857_0.01.DWG SAVE DATE:12/20/2023 10:44 PM SAVED BY:KANDUM

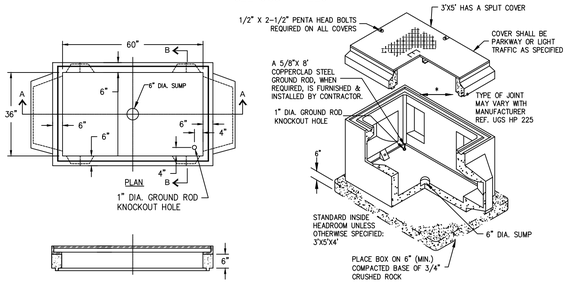
NOTE TO CREW:
WORK WITH RELATED TD2111183 R20B OH REMOVAL

CITY OF ROLLING HILLS

TD2111184 2QQ RULE 20B INSTALL UG

STATLER 16KV % WALTERIA SUB

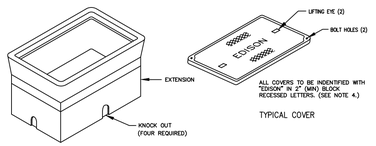
PULL BOX 3' X 5' PRECAST CONCRETE
SEE UGS HP 225

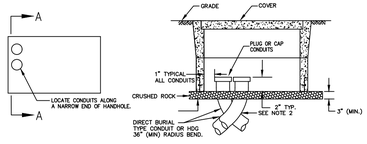


NOTE(S):
1. REINFORCEMENT:
   H20-S BRIDGE LOADING.
2. CONCRETE:
   CONCRETE SHALL BE CLASS "A" WITH 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI (MINIMUM). SLIGHT TAPER (3/4" IN DEPTH OF PULL BOX) AND 1" CHAMFER ON ALL INSIDE CORNERS PERMITTED FOR EASE OF FORMING.
3. INSTALLATION:
   PULL BOX SHALL BE PLACED ON 6" (MINIMUM) COMPACTED ROCK OR SAND BASE TO ENSURE UNIFORM DISTRIBUTION OF SOIL PRESSURE IN FLOOR. MINIMUM EXCAVATION FOR PULL BOX SHALL BE 52" X 97" X DEPTH TO SUIT JOB.
4. COVERS:
   SEE FC 612 AND FC 618 FOR PULL BOX COVERS.
5. GRADE RINGS:
   INSTALLING CONTRACTOR SHALL PROVIDE GRADE RINGS (6" MINIMUM) AS NECESSARY IN ORDER TO MAINTAIN COVER OVER CONDUITS PER SCE SPECIFICATIONS OR PERMIT AGENCY SPECIFICATIONS, WHICHEVER IS GREATER.
6. PULL IRONS AND EYES:
   SEE AC 729 OR PULL IRONS AND AC 720 FOR PULL EYES.

D53C: Rev. 02/12/21

TYPICAL HANDHOLE INSTALLATION
SEE UGS HP 205

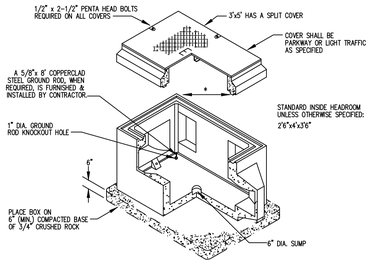




NOTES:
1. SEE UGS HP 200 FOR DIMENSIONS OF VARIOUS SIZE HANDHOLES AVAILABLE.
2. RADIUS ANGLE MAY BE REDUCED TO LESS THAN 90° PROVIDING THE PROJECTED CENTER LINE OF THE CONDUIT CLEARS HANDHOLE OPENING.
3. TWO HOLD DOWN DEVICES TO BE SUPPLIED WITH EACH HANDHOLE.
4. COVER SHALL BE IDENTIFIED WITH "EDISON" IN MINIMUM 2-INCH LETTERS OR LABELS PERMANENTLY SECURED TO THE LID.
5. FOR MAINTENANCE ON 10-1/2" X 17" CONCRETE HANDHOLES USE SWINGBOLT WITH SAP 10204721.

D75 REV. 03/18/19

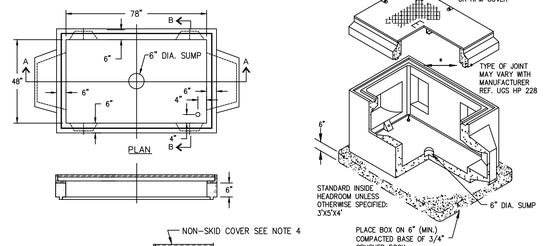
PRECAST CONCRETE PULL BOX WITH DEEP RECESSES
(2'-6" X 4')
SEE UGS HP 220



NOTE(S):
1. REINFORCEMENT:
   H20-S BRIDGE LOADING.
2. CONCRETE:
   CONCRETE SHALL BE CLASS "A" WITH 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI (MINIMUM). SLIGHT TAPER (3/4" IN DEPTH OF PULL BOX) AND 1" CHAMFER ON ALL INSIDE CORNERS PERMITTED FOR EASE OF FORMING.
3. INSTALLATION:
   PULL BOX SHALL BE PLACED ON 6" (MINIMUM) COMPACTED ROCK OR SAND BASE TO INSURE UNIFORM DISTRIBUTION OF SOIL PRESSURE IN FLOOR. MINIMUM EXCAVATION FOR PULL BOX SHALL BE 46" X 85" X DEPTH TO SUIT JOB.
4. COVERS:
   SEE FC 606 AND FC 618 FOR PULL BOX COVERS.
5. GRADE RINGS:
   INSTALLING CONTRACTOR SHALL PROVIDE GRADE RINGS (6" MINIMUM) AS NECESSARY IN ORDER TO MAINTAIN COVER OVER CONDUITS PER SCE SPECIFICATIONS OR PERMIT AGENCY SPECIFICATIONS, WHICHEVER IS GREATER.
6. PULL IRONS AND EYES:
   SEE AC 729 FOR PULL IRONS AND AC 720 FOR PULL EYES.
7. SEE FC 618.
8. SEE FC 606.

D53B: Rev. 10/26/20

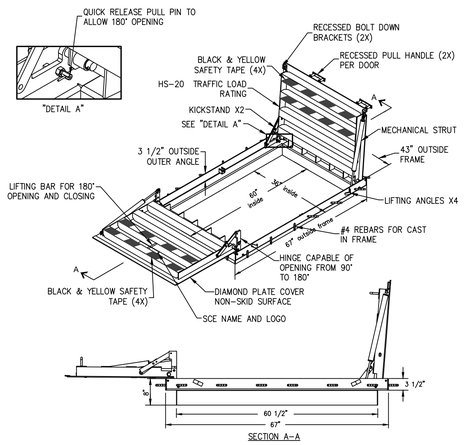
PULL BOX 4' X 6'-6" PRECAST CONCRETE
SEE UGS HP 228



NOTE(S):
1. STRUCTURAL DESIGN CRITERIA:
   A. HS-20-44 LOADING PER ASTM C 857
   B. LIFT ASSIST STEEL COVER DESIGN SHALL MEET ASTM C1802 LOAD LEVEL 6 (FULL TRAFFIC).
2. CONCRETE:
   CONCRETE SHALL BE CLASS "A" WITH 28-DAY MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI. SLIGHT TAPER (3/4" IN DEPTH OF PULL BOX) AND 1" CHAMFER OF ALL INSIDE CORNERS PERMITTED FOR EASE OF FORMING.
3. INSTALLATION:
   PULL BOX SHALL BE PLACED ON MINIMUM OF 6" COMPACTED ROCK OR SAND BASE TO ENSURE UNIFORM DISTRIBUTION OF SOIL PRESSURE IN FLOOR. MINIMUM EXCAVATION FOR PULL BOX SHALL BE 84" X 114" X DEPTH TO SUIT THE JOB.
4. COVERS:
   SEE FC 616 FOR PULL BOX COVER. RPM COVER SHALL BE AVAILABLE AS AN OPTION. MINIMUM COVER COEFFICIENT OF FRICTION (COF) OF 0.70.
5. GRADE RINGS:
   INSTALLING CONTRACTOR SHALL PROVIDE GRADE RINGS (6" MINIMUM) AS NECESSARY IN ORDER TO MAINTAIN COVER OVER CONDUITS PER SCE SPECIFICATIONS OR PERMIT AGENCY SPECIFICATIONS, WHICHEVER IS GREATER.
6. PULL IRONS AND EYES:
   SEE AC 729 FOR PULL IRONS AND AC 720 FOR PULL EYES.

D139: REV. 02/12/21

36" X 60" LIFT ASSIST STEEL PULL BOX COVER – FULL TRAFFIC
SEE UGS FC 615



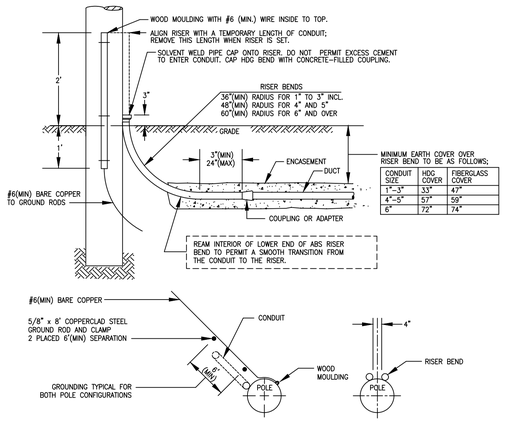
COVER NOTES:
1. COVERS TO BE USED WITH FRAME, CLEARANCE BETWEEN COVER AND FRAME SHALL BE 3/16" ALL AROUND.
2. FOUR (4) 1/2-13 NC X 1-1/2 PENTA HEAD STAINLESS STEEL BOLTS PER COVER.
3. STEEL COVER PLATE SHALL BE ASTM A-36 MANUFACTURED WITH 1/4" THICK PLATE.
4. COVER IS TO BE HOT-DIP GALVANIZED AFTER FABRICATION.
5. ALL MANUFACTURER'S COVER TO BE INTERCHANGEABLE.

FRAME NOTES:
1. STEEL FRAMES SHALL BE ASTM A-36.
2. FRAMES SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.

DESIGN CRITERIA:
1. ALL FRAMES AND SHAPES SHALL BE ASTM A-36.
2. HS-20 LOAD CONDITION PER AASHTO AND ASTM C857.
3. ASTM C 1802-18B, LOAD LEVEL 6.
4. LOAD IMPACT: 30% MINIMUM.
5. AWS ER70-6 CO GAS SHIELDING WIRE.

D140: Rev. 02/12/21

POLE RISER BEND STANDARD LOCATION
SEE UGS CD 160



MINIMUM EARTH COVER OVER RISER BEND TO BE AS FOLLOWS;

CONDUIT SIZE	HDG COVER	FIBERGLASS COVER
1"-3"	33"	43"
4"-5"	57"	59"
6"	72"	74"

1. APPROVED RISER BENDS ARE SHOWN ON FOLLOWING TABLE;

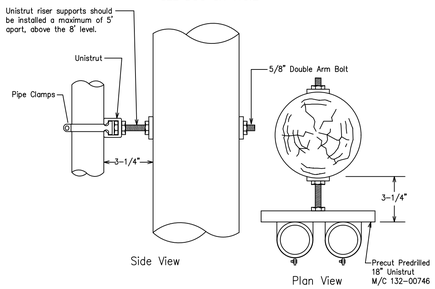
MATERIAL	SIZE							
	1"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"
ABS	–	–	–	–	X	X	X	–
FIBERGLASS	–	–	–	–	X	X	X	X
HDG	X	X	X	X	X	X	X	X

NOTE: 6" HDG OR FIBERGLASS RISER BEND SHALL BE USED WHEN SPECIFIED ON THE WORKING DRAWING. SEE UGS AC 702 FOR GROUNDING HDG RISER BENDS.

2. THE TOP AND BOTTOM OF 3", 4", 5" OR 6" FIBERGLASS BENDS ARE FURNISHED WITH PERMANENTLY ATTACHED PVC COUPLINGS. ALSO INCLUDED IS A 6" LONG 3", 4", 5" OR 6" SCHEDULE 80 PVC STUB-OUT, SOLVENT WELDED INTO THE TOP COUPLING. SEE UGS CD 166 FOR FIBERGLASS RISER BEND MATERIAL INFORMATION AND SUPPLIERS.
3. TWO GROUND RODS ARE REQUIRED AT ALL PRIMARY RISER POLES. DRIVE RODS IN TRENCH BOTTOM WITH 6" MINIMUM SEPARATION IN UNDISTURBED EARTH. LEAVE THE ROD TOPS 3" ABOVE THE TRENCH BOTTOM AND ATTACH CONTINUOUS GROUND WIRE WITH CLAMPS. EXTEND WIRE TO INDICATED LOCATION ON POLE AND STUB UP 2" ABOVE GRADE IN WOOD MOULDING. ALL GROUNDING MATERIALS FURNISHED BY CONTRACTORS. SEE UGS AC 703 FOR APPROVED GROUNDING MATERIALS.
4. ENCASEMENT REQUIRED ONLY WHEN CALLED OUT ON WORKING DRAWING.
5. PVC RISERS MAY BE SUBSTITUTED FOR FIBERGLASS FOR STRAIGHT RUNS OF 150' OR LESS IN CONDUIT SIZES 4" AND UNDER.

D78: REV. 02/14/11

RISER INSTALLATION USING UNISTRUT
SEE DUG CR 110.2



CONVENTIONAL RISER INSTALLATION
NOT TO SCALE

NOTE(S):
1. All notes pertaining to Figure CR 110-1.1 (Sheet 1) construction on scope CR 110.1 also apply to risers supported by a unistrut.

1.0 APPLICATION
The unistrut shown in Figure CR 110-5 (Sheet 3) is the preferred method where multiple risers are required.

2.0 MATERIAL

TABLE CR 110-2: Unistrut Pipe Clamps

Conduit Size (in)	Material Code
1	622-04052
2	133-48248
2.5	133-48214
3	133-00025
4	133-00017
5	133-48008
6	132-00746

REF.: DUG CR 110.2
D38: REV. 02/18/11

PRELIMINARY
Not For Construction

SCALE: 1" = 60'
0 60 120

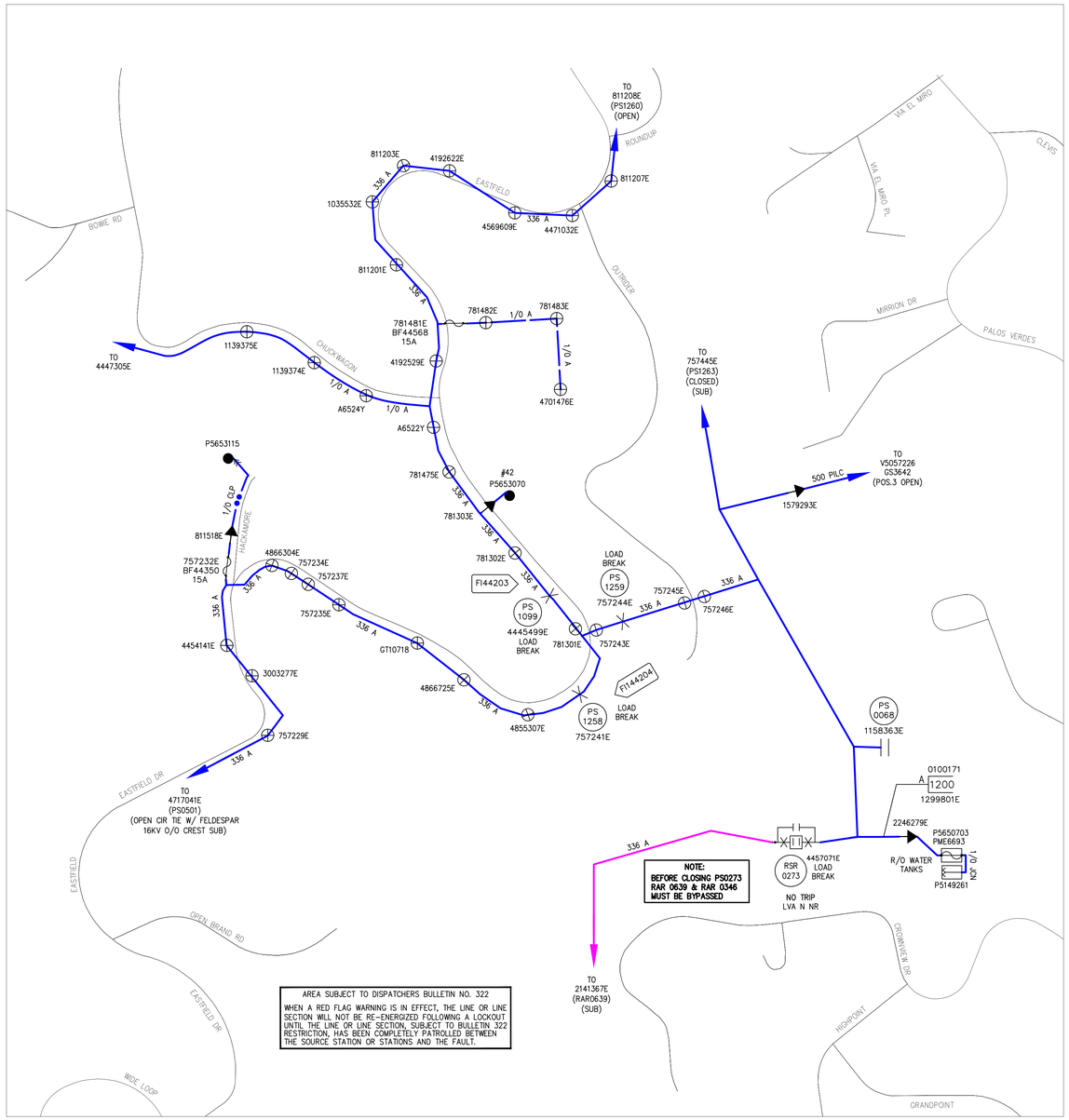
DISTRICT: 44 – SOUTH BAY	PROJ. MGR.: WILLIAMS, JENNA J PHONE 3106085194	PLANNER: WILLIAMS, JENNA J PHONE 3106085194	DESIGNER: CHIN, ELIZABETH		
PROJECT NO.: 2612821	SERVICE REQUEST: 3500715	MSR NO.	PRODUCT–1: 2111184–RULE 20B–UG INSTALL		ASSOC DESIGN
CIRCUIT / VOLTAGE: STATLER 16KV		GPS	PRODUCT–2		ASSOC DESIGN
SUB / PG NO.: WALTERIA SUB		CIRCUIT CODE	PRODUCT–3		ASSOC DESIGN
INVENTORY MAP: VARIOUS		J.P.A. NO.	PROPOSED CONSTRUCTION (LOCATION): RULE 20B 45 EASTFIELD DR ROLLING HILLS CA 90274		
P	12/29/2023	MUDLA K	J WILLIAMS	E CHIN	16484
P	11/28/2023	MUDLA K	J WILLIAMS	E CHIN	16484
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #
Southern California Edison Company					

SHEET: 3 or 7
DESIGN\DRWG NO.: 1608857_0.01

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

FILE NAME: D:\DGN\1608857_0.01.DWG SAVE DATE: 12/20/2023 12:44 PM SAVED BY: AANGULM

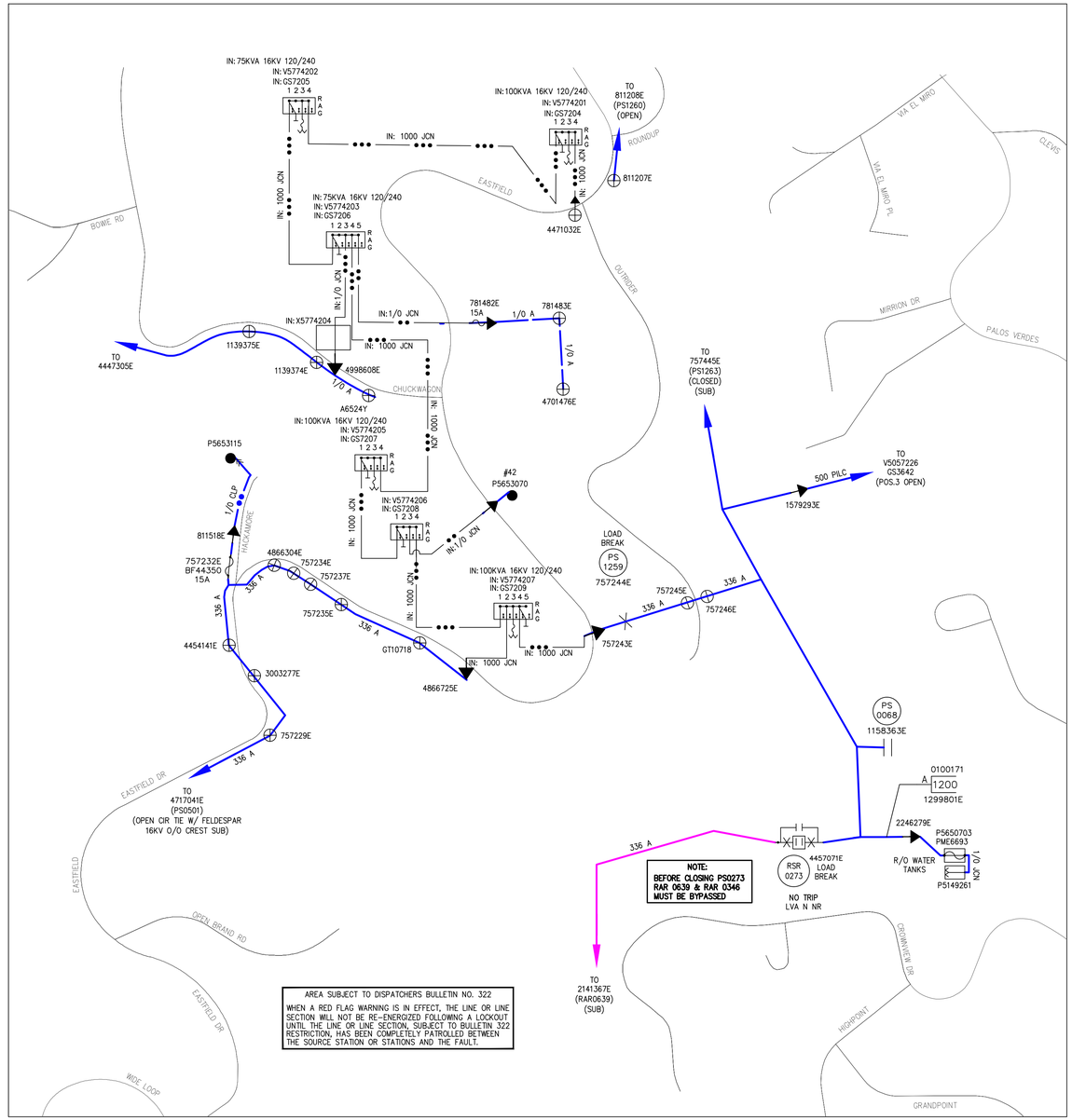
EXISTING SINGLE LINE
STATLER 16KV % WALTERIA SUB



AREA SUBJECT TO DISPATCHERS BULLETIN NO. 322

WHEN A RED FLAG WARNING IS IN EFFECT, THE LINE OR LINE SECTION WILL NOT BE RE-ENERGIZED FOLLOWING A LOCKOUT UNTIL THE LINE OR LINE SECTION, SUBJECT TO BULLETIN 322 RESTRICTION, HAS BEEN COMPLETELY PATROLLED BETWEEN THE SOURCE STATION OR STATIONS AND THE FAULT.

PROPOSED SINGLE LINE
STATLER 16KV % WALTERIA SUB



AREA SUBJECT TO DISPATCHERS BULLETIN NO. 322

WHEN A RED FLAG WARNING IS IN EFFECT, THE LINE OR LINE SECTION WILL NOT BE RE-ENERGIZED FOLLOWING A LOCKOUT UNTIL THE LINE OR LINE SECTION, SUBJECT TO BULLETIN 322 RESTRICTION, HAS BEEN COMPLETELY PATROLLED BETWEEN THE SOURCE STATION OR STATIONS AND THE FAULT.

DISTRICT: 44 — SOUTH BAY	PROJ. MGR.: WILLIAMS, JENNA J PHONE 3106085194	PLANNER: WILLIAMS, JENNA J PHONE 3106085194	DESIGNER: CHIN, ELIZABETH		
PROJECT NO.: 2612821	SERVICE REQUEST: 3500715	MSR NO.	PRODUCT-1: 2111184-RULE 20B-UG INSTALL		ASSOC DESGN
CIRCUIT / VOLTAGE: STATLER 16KV		GPS	PRODUCT-2		ASSOC DESGN
SUB / PG NO.: WALTERIA SUB		CIRCUIT CODE	PRODUCT-3		ASSOC DESGN
INVENTORY MAP: VARIOUS		J.P.A. NO.	PROPOSED CONSTRUCTION (LOCATION): RULE 20B 45 EASTFIELD DR ROLLING HILLS CA 90274		
P 12/29/2023	MUDLA K	J WILLIAMS	E CHIN	16484	
P 11/28/2023	MUDLA K	J WILLIAMS	E CHIN	16484	
TYPE / DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #	SHEET: 4 OF 7
Southern California Edison Company					DESIGN\DRWG NO.: 1608857_0.01

FILE NAME: 1608857_0.01.DWG SAVE DATE: 12/20/2023 12:44 PM SAVED BY: KANGULM

NOTE TO CREW:
WORK WITH RELATED TD2111183 R20B OH REMOVAL

CITY OF ROLLING HILLS
TD2111184 2QQ RULE 20B INSTALL UG

STATLER 16KV % WALTERIA SUB

V5774201	VD=1.1 FL=2.58 200 PANEL 120/240V 1P 17.1KW 5TONS 21 EASTFIELD DR ROLLING HILLS ,CA 90274	VD=3.5 FL=4.03 200 PANEL 120/240V 1P 30.5KW 5TONS 23 EASTFIELD DR ROLLING HILLS,CA 90274	VD=3.01 FL=4.96 200 PANEL 120/240V 1P 12.4KW 5TONS 25 EASTFIELD DR ROLLING HILLS ,CA 90274	VD=2.98 FL=4.56 200 PANEL 120/240V 1P 14.9KW 5TONS 27 EASTFIELD DR ROLLING HILLS,CA 90274	VD=1.95 FL=4.54 200 PANEL 120/240V 1P 12.9KW 4TONS 2 OUTRIDER RD ROLLING HILLS,CA 90274
V5774202	VD=0.97 FL=4.63 200 PANEL 120/240V 1P 7.6KW 5TONS 24 EASTFIELD DR ROLLING HILLS,CA 90274	VD=0.38 FL=3.22 200 PANEL 120/240V 1P 2.3KW 2TONS 29 EASTFIELD DR ROLLING HILLS ,CA 90274	VD=0.56 FL=2.63 200 PANEL 120/240V 1P 7.6KW 5TONS 31 EASTFIELD DR ROLLING HILLS ,CA 90274	VD=1.44 FL=4.35 200 PANEL 120/240V 1P 11.6KW 5TONS 33 EASTFIELD DR ROLLING HILLS,CA 90274	

LINE DEVICE ID# GS7205
TO BE PROVIDED BY DISTRICT AT THE TIME OF INSTALL
D19: Rev. 10/26/20

T.L.M. DATA: 5774202

	SIZE	KVA	CUST	% LOAD
EXIST.	0	0	0	0%
PROP.	75	32.2	4	64.4%

VOLTAGE DROP: SEE MAP
FLICKER FACTOR: SEE MAP
PRI. CIRCUIT: STATLER 16KV
D27: REV. 12/10/21

TD2111184
CI: V5774202 VAULT 7
7'x18'x8' TUB STYLE
VENTS REQUIRED
CF: 1 – S V 7'X18'X8' TUB 2 PIECE
CF: 1 – SS TAX EXCV CST FOR VLT
IN: 2 – JJ 3-DBE 1000 600A
IN: 2 – JJ DBE 1/0 200A W/BUSH EXT 1/0 600A
IN: 4 – JJ DE DB RCPT INS W/TST PNT 600A
IN: 1 – SL CBL RACK STL 30" FOR VLT/MH
IN: 1 – SW UG SF6 LB RAG 4–WY 600A 17.5KV
LINE DEVICE ID: _____
IN: 1 – TR UG BT MC F DE 75KVA 16KV 120/240 1P+
SN: _____
CF: 1604' – CM DUCT 5" (V4202 TO V4203)
CF: 401' – CM DUCT FOR EXCAVATION (V4202 TO V4203)
IN: 1203' – CBL 1000 AL 1–1/C 17KV CLP PJ (V4202 TO V4203)
MI: 240' – CBL 1000 AL 1–1/C 17KV CLP PJ
CI: 1 – S HH POLY 17"X30"X18" LT TRAFFIC (H202A)
CF: 1 – SS TAX EXCV CST FOR PLASTIC HH (H202A)
IN: 1 – CNN BAR INS LT DUTY #8–350 1P 6–WAY (H202A)
IN: 1 – CNN BAR INS LT DUTY #8–350 1P 6–WAY (H202B)
IN: 1 – CNN BAR INS LT DUTY #8–350 1P 6–WAY (H202C)
CF: 137' – CM DUCT 2 1/2" TO 4" (V4202 TO H202B)
CF: 285' – CM DUCT 2 1/2" TO 4" (V4202 TO H202C)
CF: 106' – CM DUCT 2 1/2" TO 4" (V4202 TO H202A)
CF: 33' – CM DUCT FOR EXCAVATION (V4202 TO H202B)
CF: 16' – CM DUCT FOR EXCAVATION (V4202 TO H202C)
CF: 16' – CM DUCT FOR EXCAVATION (V4202 TO H202A)
IN: 106' – CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX (V4202 TO H202A)
MI: 106' – CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX
IN: 137' – CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX (V4202 TO H202B)
IN: 285' – CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX (V4202 TO H202C)
CF: 25' – CM DUCT 2 1/2" TO 4" (H202A TO P/L@29)
CF: 15' – CM DUCT 2 1/2" TO 4" (H202A TO P/L@31)
CF: 25' – CM DUCT FOR EXCAVATION (H202A TO P/L@29)
CF: 15' – CM DUCT FOR EXCAVATION (H202A TO P/L@31)
IN: 69' – CBL 2–1/0 1–2 AL 3–1/C 600V CLP PLEX (H202A TO PNL@29)
MI: 24' – CBL 2–1/0 1–2 AL 3–1/C 600V CLP PLEX
IN: 52' – CBL 2–1/0 1–2 AL 3–1/C 600V CLP PLEX (H202A TO PNL@31)

TD2111184
EX: 811201E POLE 8
45' CLASS 4
EX: 25KVA 16KV 120/240
RM: 1 – TM 2–350 & 1–4/0 600V 1P UG TO OH
RM: 1 – CNN BAR INS LT DUTY #8–350 1P 6–WAY (H202B)
RM: 1 – RSR 3" TO 2" EXTENSION
RM: 6' – CM DUCT 2" AND UP (1201E TO H202B)
RM: 36' – CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX (1201E TO H202B)

TD2111184
EX: 811203E POLE 6
50' CLASS H4
EX: 25KVA 16KV 120/240
RM: 1 – TM 2–1/0 & 1–#2 600V 1P UG TO OH
RM: 1 – RSR PRECUT UNISTRUT W/ HARDWARE NO PVC
RM: 1 – RSR PVC/STRAP 3" TO 2" UNISTRUT APP
RM: 7' – CM DUCT 2" AND UP
RM: 177' – CBL 2–1/0 1–2 AL 3–1/C 600V CLP PLEX (1203E TO PNL@25)

TD2111184
EX: 4192622E POLE 5
45' CLASS 4
EX: 25KVA 16KV 120/240
RM: 1 – TM 2–1/0 & 1–#2 600V 1P UG TO OH
RM: 1 – RSR 3" TO 2" EXTENSION
RM: 8' – CM DUCT 2" AND UP (2622E TO P/U PT B)
RM: 118' – CBL 2–1/0 1–2 AL 3–1/C 600V CLP PLEX (2622E TO PNL@23)

T.L.M. DATA: 5774201

	SIZE	KVA	CUST	% LOAD
EXIST.	0	0	0	0%
PROP.	100	97.5	5	97.5%

VOLTAGE DROP: SEE MAP
FLICKER FACTOR: SEE MAP
PRI. CIRCUIT: STATLER 16KV
D27: REV. 12/10/21

TD2111184
CI: V5774201 VAULT 4
7'x18'x8' TUB STYLE
VENTS REQUIRED
CF: 1 – S V 7'X18'X8' TUB 2 PIECE
CF: 1 – SS TAX EXCV CST FOR VLT
IN: 1 – JJ DBE 1/0 200A W/BUSH EXT 1/0 600A
IN: 2 – JJ DE DB RCPT INS W/TST PNT 600A
IN: 1 – SL CBL RACK STL 30" FOR VLT/MH
IN: 1 – SW UG SF6 LB RAG 4–WY 600A 17.5KV
LINE DEVICE ID: _____
IN: 1 – TR UG BT MC F DE 75KVA 16KV 120/240 1P+
SN: _____
CF: 1204' – CM DUCT 5" (V4202 TO V4201)
CF: 301' – CM DUCT FOR EXCAVATION (1032E TO V4201)
IN: 1035' – CBL 1000 AL 1–1/C 17KV CLP PJ (1032E TO V4201)
MI: 207' – CBL 1000 AL 1–1/C 17KV CLP PJ
IN: 3 – INS POLY DE 16KV HOT SHOE 336 ACSR
IN: 1 – RSR PVC/STRAP 3" UNISTRUT APP
IN: 145' – CD 1/0 STR AL TRIPLEX W/ACSR NEUTRAL
IN: 2 – AG DOWN GUY 3/8" – 50' LESS THAN 22.5KV
IN: 1 – AG DOWN GUY 7/16" – 50' LESS THAN 22.5KV
IN: 1 – AG DOWN GUY 9/32" – 50' LESS THAN 22.5KV
IN: 2 – AG SCREW ANCHOR 10" DOUBLE HELIX

LINE DEVICE ID# GS7204
TO BE PROVIDED BY DISTRICT AT THE TIME OF INSTALL
D19: Rev. 10/26/20

TD2111184
EX: 4569609E POLE 3
45' CLASS 4
RM: 1 – TM 2–1/0 & 1–#2 600V 1P UG TO OH
RM: 1 – RSR 3" TO 2" EXTENSION
RM: 45' – CM DUCT 2" AND UP (9609E TO P/U PT A)
RM: 90' – CBL 2–1/0 1–2 AL 3–1/C 600V CLP PLEX (9609E TO P/U PT A)

TD2111184
IN: 4471032E POLE 2
55' CLASS 3
IN: 1 – POLE 55' CL 3 WD FT /W PROT BARR WF
IN: 1 – RSR PRECUT UNISTRUT W/ HARDWARE NO PVC
IN: 1 – SEC ROLLER (166–CLEVIS & SPOOL)
IN: 1 – TM 2–700 & 1–350 600V 1P UG TO OH
IN: 1 – XA DBL HD DE COMP 10'
IN: 1 – PH CS 10' XA 16KV 3P 3–1000
IN: 1 – SA HFA POLY NGN XFMR 16KV
IN: 2 – SA HFA POLY 16KV
IN: 1 – RSR PVC/STRAP 5" UNISTRUT APP
CF: 1204' – CM DUCT 5" (1032E TO V4201)
CF: 301' – CM DUCT FOR EXCAVATION (1032E TO V4201)
IN: 1035' – CBL 1000 AL 1–1/C 17KV CLP PJ (1032E TO V4201)
MI: 207' – CBL 1000 AL 1–1/C 17KV CLP PJ
IN: 3 – INS POLY DE 16KV HOT SHOE 336 ACSR
IN: 1 – RSR PVC/STRAP 3" UNISTRUT APP
IN: 145' – CD 1/0 STR AL TRIPLEX W/ACSR NEUTRAL
IN: 2 – AG DOWN GUY 3/8" – 50' LESS THAN 22.5KV
IN: 1 – AG DOWN GUY 7/16" – 50' LESS THAN 22.5KV
IN: 1 – AG DOWN GUY 9/32" – 50' LESS THAN 22.5KV
IN: 2 – AG SCREW ANCHOR 10" DOUBLE HELIX

TD2111184
RM: 4471032E POLE 1
45' CLASS 2
RM: 1 – POLE 45' CLASS 2 WOOD FULL TREAT
RM: 1 – XA DBLE VB 10' STEEL PINS
RM: 1 – XA SNGL FB 10' STEEL PINS
RM: 1 – TR OH 25KVA 16KV 120/240 1P
SN: _____
RM: 2 – FE FH SMD20 17" 200A 16KV 1–EA
RM: 1 – GR OH #6 SOL WP SECONDARY W/ROD
RM: 735' – CD 336 STR AL BARE ACSR NON–GREASED
RM: 6 – INS POLY DE 16KV HOT SHOE 336 ACSR
RM: 3 – INS POLY W/PIN 16KV CLMP #4–653 ACSR
RM: 1 – SEC ROLLER (166–CLEVIS & SPOOL)
RM: 145' – CD 1/0 STR AL TRIPLEX W/ACSR NEUTRAL
RM: 1 – AG DOWN GUY 3/8" – 50' LESS THAN 22.5KV
RM: 1 – AG DOWN GUY 9/32" – 50' LESS THAN 22.5KV
RM: 1 – AG ANCHOR ROD 3/4" X 8' 2–EYE W/PLATE

CI: H201C HH
17"x30"x18" FRP
IN:1–6W BAR 1P

CI: H201B HH
17"x30"x18" FRP
IN:1–6W BAR 1P

CI: H201A HH
17"x30"x18" FRP
IN:1–6W BAR 1P

CI: H202A HH
17"x30"x18" FRP
IN:1–6W BAR 1P

EX:H202B HH
17"x30"x18" FRP
RM:1–6W BAR 1P
IN:1–6W BAR 1P

EX:H202C HH
17"x30"x18" FRP
RM:1–6W BAR 1P
IN:1–6W BAR 1P

CF 4 5" 10 599' V4201 TO V4202
IN: 599' 3–1000 JCN 16KV
TENSION 3–1000 JCN 5" DUCT
V4201 TO V4202 – 6115 LBS
V4202 TO V4201 – 3567 LBS

CF 1 3" 8 11' H201C TO P/U PT C
IN: 151' 4/0 1P
TENSION 4/0 1P 3" DUCT
H201C TO PNL – 41 LBS

CF 1 3" 12 25' H202A TO P/L
IN: 69' 1/0 1P
TENSION 1/0 1P 3" DUCT
H202A TO PNL – 23 LBS

CF 1 3" 9 12' H201C TO P/L
IN: 64' 1/0 1P
TENSION 1/0 1P 3" DUCT
H201C TO PNL – 10 LBS

CF 1 3" 13 15' H202A TO P/L
IN: 52' 1/0 1P
TENSION 1/0 1P 3" DUCT
H202A TO PNL – 13 LBS

CF 1 3" 11 106' V4202 TO H202A
IN: 106' 350 1P
TENSION 350 1P 3" DUCT
V4202 TO H202A – 175 LBS
H202A TO V4202 – 55 LBS

CF 4 5" 14 401' V4202 TO V4203
IN: 401' 3–1000 JCN 16KV
TENSION 3–1000 JCN 5" DUCT
V4202 TO V4203 – 2102 LBS
V4203 TO V4202 – 1811 LBS

CF 1 3" 10 285' V4202 TO H202C
IN: 285' 350 1P
TENSION 350 1P 3" DUCT
V4202 TO H202C – 577 LBS
H202C TO V4202 – 138 LBS

CF 1 3" 2 328' V4201 TO H201C
IN: 328' 350 1P
TENSION 350 1P 3" DUCT
V4201 TO H201C – 649 LBS(OVERMAX)
H201C TO V4201 – 164 LBS

CF 1 3" 5 186' V4201 TO H201B
IN: 186' 350 1P
TENSION 350 1P 3" DUCT
V4201 TO H201B – 344 LBS
H201B TO V4201 – 92 LBS

CF 1 3" 15 137' V4202 TO H202B
IN: 137' 350 1P
TENSION 350 1P 3" DUCT
V4202 TO H202B – 314 LBS
H202B TO V4202 – 66 LBS

CF 1 3" 3 70' V4201 TO H201A
IN: 70' 350 1P
TENSION 350 1P 3" DUCT
V4201 TO H201A – 128 LBS
H201A TO V4201 – 31 LBS

CF 1 5" 2 301' V4201 TO 1032E
IN: 331' 700 1P
TENSION 700 1P 5" DUCT
V4201 TO 1032E – 893 LBS
1032E TO V4201 – 259 LBS

CF 4 5" 1 301' V4201 TO 1032E
IN: 345' 3–1000 JCN 16KV
TENSION 3–1000 JCN 5" DUCT
V4201 TO 1032E – 9984 LBS
1032E TO V4201 – 1448 LBS

CF 1 3" 6 11' H201B TO P/U PT B
IN: 92' 1/0 1P
TENSION 1/0 1P 3" DUCT
H201B TO PNL – 23 LBS

CF 1 3" 4 12' H201A TO P/U PT A
IN: 64' 1/0 1P
TENSION 1/0 1P 3" DUCT
H201A TO PNL – 15 LBS

EX: 1–3" (140') P/U PT C TO PNL
EX: 1–3" (81') P/U PT B TO PNL
EX: 1–3" (52') P/U PT A TO PNL
CO: 1–3" (52') P/L TO PNL
IN: 64' 1/0 1P
CO: 1–3" (44') P/L TO PNL
CO: 1–3" (37') P/L TO PNL
EX: 1–3" (128') H202B TO PNL
EX: 128' 1/0 1P
EX: 1–3" (71') H202C TO PNL

ABND: 1–3" (7') 1203E TO P/U PT C
RM: 177' 1/0 1P
ABND: 1–3" (8') 2622E TO P/U PT B
RM: 118' 1/0 1P
ABND: 1–3" (45') 9609E TO P/U PT A
RM: 90' 1/0 1P
ABND: 1–3" (6') 1201E TO H202B
RM: 36' 350 1P

P/U PT C
P/U PT B
P/U PT A
EX: 336A–16KV
EX: 811207E
IN: 10'DBL HELIX@30"
IN: 9/32" DG
IN: 3/8" DG
IN: 7/16" DG
IN: 145' 1/0AT
RM: 145' 1/0AT
OUTRIDER RD
19 EASTFIELD DR
18 EASTFIELD DR
16 EASTFIELD DR
2 OUTRIDER RD
EASTFIELD DR (PRIVATE RD.)
25 EASTFIELD DR
27 EASTFIELD DR
29 EASTFIELD DR
23 EASTFIELD DR
24 EASTFIELD DR
31 EASTFIELD DR
22 EASTFIELD DR
26 EASTFIELD DR
33 EASTFIELD DR
21 EASTFIELD DR
3 CHUCKWAGON RD
81+78 10" 1035532E
91+42
MATCH LINE STA. 47+54 SEE SHEET 2
MATCH LINE STA. 47+87 SEE SHEET 2

N
SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company
SCALE: 1" = 60'
0 60 120

PRELIMINARY
Not For Construction

DISTRICT: 44 – SOUTH BAY	PROJ. MGR. WILLIAMS, JENNA J PHONE 3106085194	PLANNER WILLIAMS, JENNA J PHONE 3106085194	DESIGNER: CHIN, ELIZABETH	
PROJECT NO.: 2612821	SERVICE REQUEST: 3500715	MSR NO.	PRODUCT–1: 2111184–RULE 20B–UG INSTALL	ASSOC DESGN
CIRCUIT / VOLTAGE: STATLER 16KV		GPS	PRODUCT–2	ASSOC DESGN
SUB / PG NO.: WALTERIA SUB		CIRCUIT CODE	PRODUCT–3	ASSOC DESGN

INVENTORY MAP: VARIOUS
J.P.A. NO.:
PROPOSED CONSTRUCTION (LOCATION): RULE 20B
45 EASTFIELD DR
ROLLING HILLS CA 90274

TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #
P	12/29/2023	MUDLA K	J WILLIAMS	E CHIN	16484
P	11/28/2023	MUDLA K	J WILLIAMS	E CHIN	16484

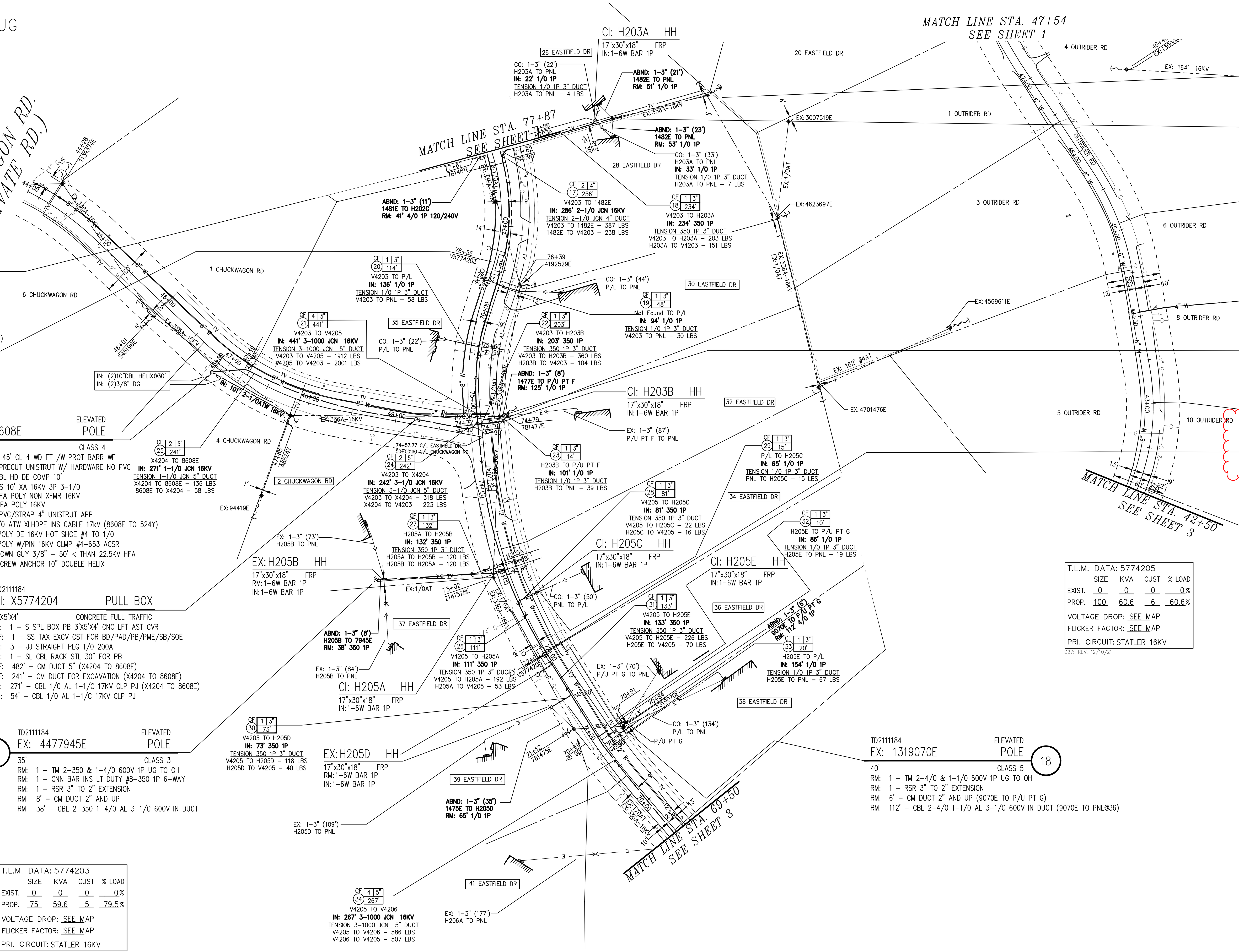
Southern California Edison Company

SHEET 5 OF 7
DESIGN\DRWG NO.: 1608857_0.01

FILE NAME: 1608857_0.01.DWG SAVE DATE: 12/20/2023 12:44 PM SAVED BY: KHANGUM

CITY OF ROLLING HILLS
TD2111184 2QQ RULE 20B INSTALL UG

STATLER 16KV % WALTERIA SUB



TD2111184

EX: 781483E — POLE

45' CLASS 1
EX: 100KVA 16KV 120/240

TD2111184

9 — EX: 781481E — POLE

50' CLASS 1
RM: 1 - RSR PRECUT UNISTRUT W/ HARDWARE NO PVC
RM: 1 - TM 2-4/0 & 1-1/0 600V 1P UG TO OH
RM: 11' - CM DUCT 2" AND UP (1481E TO H202C)
RM: 1 - CNN BAR INS LT DUTY #8-350 1P 6-WAY (H202C)
RM: 1 - RSR PVC/STRAP 3" TO 2" UNISTRUT APP
RM: 41' - CBL 2-4/0 1-1/0 AL 3-1/C 600V IN DUCT (1481E TO H202C)

TD2111184

10 — CI: V5774203 — VAULT

7'x18'x8' TUB STYLE
VENTS REQUIRED
CI: 1 - S V 7'X18'X8' TUB 2 PIECE
CF: 1 - SS TAX EXCV CST FOR VLT
IN: 2 - JJ 3-DBE 1000 600A
IN: 5 - JJ DBE 1/0 200A W/BUSH EXT 1/0 600A
IN: 4 - JJ DE DB RCPT INS W/TST PNT 600A
IN: 1 - SL CBL RACK STL 30" FOR VLT/MH
IN: 1 - SW UG SF6 LB RAG 5-WY 600A 17.5KV
LINE DEVICE ID:________________________
IN: 1 - TR UG BT MC F DE 75KVA 16KV 120/240 1P+
SN:________________________
CF: 512' - CM DUCT 2 1/2" TO 4" (V4203 TO 1482E)
CF: 1764' - CM DUCT 5" (V4203 TO V4205)
CF: 484' - CM DUCT 5" (V4203 TO X4204)
CF: 131' - CM DUCT FOR EXCAVATION (V4203 TO 1482E)
CF: 441' - CM DUCT FOR EXCAVATION (V4203 TO V4205)
CF: 70' - CM DUCT FOR EXCAVATION (V4203 TO X4204)
IN: 286' - CBL 1/0 AL 2/C 17KV CLP 220 MIL (V4203 TO 1482E)
MI: 114' - CBL 1/0 AL 2/C 17KV CLP 220 MIL
IN: 1323' - CBL 1000 AL 1-1/C 17KV CLP PJ (V4203 TO V4205)
MI: 264' - CBL 1000 AL 1-1/C 17KV CLP PJ
IN: 242' - CBL 1/0 AL 3-1/C 17KV CLP PJ (V4203 TO X4204)
MI: 48' - CBL 1/0 AL 3-1/C 17KV CLP PJ
CI: 1 - S HH POLY 17"X30"X18" LT TRAFFIC (H203A)
CI: 1 - S HH POLY 17"X30"X18" LT TRAFFIC (H203B)
CF: 1 - SS TAX EXCV CST FOR PLASTIC HH (H203B)
CF: 1 - SS TAX EXCV CST FOR PLASTIC HH (H203A)
IN: 1 - CNN BAR INS LT DUTY #8-350 1P 6-WAY (H203A)
IN: 1 - CNN BAR INS LT DUTY #8-350 1P 6-WAY (H203B)
CF: 234' - CM DUCT 2 1/2" TO 4" (V4203 TP H203A)
CF: 203' - CM DUCT 2 1/2" TO 4" (V4203 TO H203B)
CF: 6' - CM DUCT FOR EXCAVATION (V4203 TP H203A)
CF: 23' - CM DUCT FOR EXCAVATION (V4203 TO H203B)
IN: 234' - CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX (V4203 TO H203A)
MI: 80' - CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX
IN: 203' - CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX (V4203 TO H203B)
CF: 48' - CM DUCT 2 1/2" TO 4" (V4203 TO P/L@30)
CF: 114' - CM DUCT 2 1/2" TO 4" (V4203 TO P/L @35)
CF: 14' - CM DUCT 2 1/2" TO 4" (H203B TO P/U PT F)
CF: 34' - CM DUCT FOR EXCAVATION (V4203 TO P/L@30)
CF: 27' - CM DUCT FOR EXCAVATION (V4203 TO P/L @35)
CF: 14' - CM DUCT FOR EXCAVATION (H203B TO P/U PT F)
CF: 41' - CM DUCT FOR EXCAVATION
IN: 22' - CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (H203A TO PNL@26)
MI: 77' - CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX
IN: 33' - CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (H203A TO PNL@28)
IN: 136' - CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (V4203 TO PNL@35)
IN: 94' - CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (V4203 TO PNL@30)
IN: 101' - CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (H203B TO PNL@32)

LINE DEVICE ID# GS7206
TO BE PROVIDED BY DISTRICT AT THE TIME OF INSTALL
D19: Rev. 10/26/20

TD2111184

13 — IN: 4998608E — ELEVATED POLE

45' CLASS 4
IN: 1 - POLE 45' CL 4 WD FT /W PROT BARR WF
IN: 1 - RSR PRECUT UNISTRUT W/ HARDWARE NO PVC
IN: 1 - XA DBL HD DE COMP 10'
IN: 1 - PH CS 10' XA 16KV 3P 3-1/0
IN: 1 - SA HFA POLY NON XFMR 16KV
IN: 2 - SA HFA POLY 16KV
IN: 1 - RSR PVC/STRAP 4" UNISTRUT APP
IN: 202' - 1/0 ATW XLHDPE INS CABLE 17kV (8608E TO 524Y)
IN: 6 - INS POLY DE 16KV HOT SHOE #4 TO 1/0
IN: 3 - INS POLY W/PIN 16KV CLMP #4-653 ACSR
IN: 2 - AG DOWN GUY 3/8" - 50' < THAN 22.5KV HFA
IN: 2 - AG SCREW ANCHOR 10" DOUBLE HELIX

TD2111184

12 — CI: X5774204 — PULL BOX

3'X5'X4' CONCRETE FULL TRAFFIC
CI: 1 - S SPL BOX PB 3'X5'X4' CNC LFT AST CVR
CF: 1 - SS TAX EXCV CST FOR BD/PAD/PB/PME/SB/SOE
IN: 3 - JJ STRAIGHT PLG 1/0 200A
IN: 1 - SL CBL RACK STL 30" FOR PB
CF: 482' - CM DUCT 5" (X4204 TO 8608E)
CF: 241' - CM DUCT FOR EXCAVATION (X4204 TO 8608E)
IN: 271' - CBL 1/0 AL 1-1/C 17KV CLP PJ (X4204 TO 8608E)
MI: 54' - CBL 1/0 AL 1-1/C 17KV CLP PJ

TD2111184

16 — EX: 4477945E — ELEVATED POLE

35' CLASS 3
RM: 1 - TM 2-350 & 1-4/0 600V 1P UG TO OH
RM: 1 - CNN BAR INS LT DUTY #8-350 1P 6-WAY
RM: 1 - RSR 3" TO 2" EXTENSION
RM: 8' - CM DUCT 2" AND UP
RM: 38' - CBL 2-350 1-4/0 AL 3-1/C 600V IN DUCT

T.L.M. DATA: 5774203	SIZE	KVA	CUST	% LOAD
EXIST.	0	0	0	0%
PROP.	75	59.6	5	79.5%

VOLTAGE DROP: SEE MAP
FLICKER FACTOR: SEE MAP
PRI. CIRCUIT: STATLER 16KV
D27: REV. 12/10/21

TD2111184

11 — EX: 781482E — ELEVATED POLE

45' CLASS 3
EX: 25KV 16KV 120/240
RM: 1 - RSR PRECUT UNISTRUT W/ HARDWARE NO PVC
RM: 2 - TM 2-1/0 & 1-#2 600V 1P UG TO OH
RM: 2 - RSR PVC/STRAP 3" TO 2" UNISTRUT APP
RM: 21' - CM DUCT 2" AND UP (1482E TO PNL@26)
RM: 23' - CM DUCT 2" AND UP (1482E TO PNL@28)
RM: 53' - CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (1482E TO PNL@28)
RM: 51' - CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (1482E TO PNL@26)
IN: 1 - RSR PRECUT UNISTRUT W/ HARDWARE NO PVC
IN: 1 - XA DBL HD DE COMP 10'
IN: 2 - FE FH SMD20 17" BLF 200A 16KV 1P
IN: 1 - PH CS 10' XA 16KV 1P 2-1/0
IN: 1 - SA HFA POLY NON XFMR 16KV
IN: 1 - SA HFA POLY 16KV
IN: 2 - INS POLY DE 16KV HOT SHOE #4 TO 1/0
IN: 1 - RSR PVC/STRAP 3" UNISTRUT APP
IN: 1 - AG DOWN GUY 9/32" - 50' LESS THAN 22.5KV
IN: 1 - AG SCREW ANCHOR 10" DOUBLE HELIX

TD2111184

14 — EX: 781477E — ELEVATED POLE

55' CLASS 1
RM: 1 - TM 2-1/0 & 1-#2 600V 1P UG TO OH
RM: 1 - RSR 3" TO 2" EXTENSION
RM: 8' - CM DUCT 2" AND UP (1477E TO P/U PT F)
RM: 125' - CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (1477E TO PNL@32)

TD2111184

15 — CI: V5774205 — VAULT

7'x18'x8' TUB STYLE
VENTS REQUIRED
CI: 1 - S V 7'X18'X8' TUB 2 PIECE
CF: 1 - SS TAX EXCV CST FOR VLT
IN: 2 - JJ 3-DBE 1000 600A
IN: 2 - JJ DBE 1/0 200A W/BUSH EXT 1/0 600A
IN: 4 - JJ DE DB RCPT INS W/TST PNT 600A
IN: 1 - SL CBL RACK STL 30" FOR VLT/MH
IN: 1 - SW UG SF6 LB RAG 4-WY 600A 17.5KV
LINE DEVICE ID:________________________
IN: 1 - TR UG BT MC F DE 100KVA 16KV 120/240 1P+
SN:________________________
CF: 1068' - CM DUCT 5" (V4205 TO V4206)
CF: 267' - CM DUCT FOR EXCAVATION (V4205 TO V4206)
IN: 801' - CBL 1000 AL 1-1/C 17KV CLP PJ
MI: 162' - CBL 1000 AL 1-1/C 17KV CLP PJ
CI: 1 - S HH POLY 17"X30"X18" LT TRAFFIC (H205A)
CI: 1 - S HH POLY 17"X30"X18" LT TRAFFIC (H205C)
CI: 1 - S HH POLY 17"X30"X18" LT TRAFFIC (H205E)
CF: 1 - SS TAX EXCV CST FOR PLASTIC HH (H205A)
CF: 1 - SS TAX EXCV CST FOR PLASTIC HH (H205C)
CF: 1 - SS TAX EXCV CST FOR PLASTIC HH (H205E)
IN: 1 - CNN BAR INS LT DUTY #8-350 1P 6-WAY (H205D)
IN: 1 - CNN BAR INS LT DUTY #8-350 1P 6-WAY (H205A)
CF: 111' - CM DUCT 2 1/2" TO 4" (V4205 TO H205A)
CF: 132' - CM DUCT 2 1/2" TO 4" (H205A TO H205B)
CF: 81' - CM DUCT 2 1/2" TO 4" (V4205 TO H205C)
CF: 73' - CM DUCT 2 1/2" TO 4" (V4205 TO H205D)
CF: 133' - CM DUCT 2 1/2" TO 4" (V4205 TO H205E)
CF: 10' - CM DUCT FOR EXCAVATION (V4205 TO H205A)
CF: 132' - CM DUCT FOR EXCAVATION (H205A TO H205B)
CF: 17' - CM DUCT FOR EXCAVATION (V4205 TO H205C)
CF: 25' - CM DUCT FOR EXCAVATION (V4205 TO H205D)
CF: 27' - CM DUCT FOR EXCAVATION (V4205 TO H205E)
IN: 111' - CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX (V4205 TO H205A)
MI: 106' - CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX
IN: 132' - CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX (H205A TO H205B)
IN: 81' - CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX (V4205 TO H205C)
IN: 73' - CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX (V4205 TO H205D)
IN: 133' - CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX (V4205 TO H205E)
IN: 1 - CNN BAR INS LT DUTY #8-350 1P 6-WAY (H205B)
IN: 1 - CNN BAR INS LT DUTY #8-350 1P 6-WAY (H205C)
IN: 1 - CNN BAR INS LT DUTY #8-350 1P 6-WAY (H205E)
CF: 15' - CM DUCT 2 1/2" TO 4" (H205C TO P/L@34)
CF: 10' - CM DUCT 2 1/2" TO 4" (H205E TO P/L@36)
CF: 20' - CM DUCT 2 1/2" TO 4" (H205E TO P/L@38)
CF: 15' - CM DUCT FOR EXCAVATION (H205C TO P/L@34)
CF: 20' - CM DUCT FOR EXCAVATION (H205E TO P/L@38)
CF: 10' - CM DUCT FOR EXCAVATION (H205E TO P/L@36)
IN: 65' - CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (H205C TO PNL@34)
MI: 61' - CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX
IN: 86' - CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (H205E TO PNL@36)
IN: 154' - CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (H205E TO PNL@38)

T.L.M. DATA: 5774205	SIZE	KVA	CUST	% LOAD
EXIST.	0	0	0	0%
PROP.	100	60.6	6	60.6%

VOLTAGE DROP: SEE MAP
FLICKER FACTOR: SEE MAP
PRI. CIRCUIT: STATLER 16KV
D27: REV. 12/10/21

TD2111184

18 — EX: 1319070E — ELEVATED POLE

40' CLASS 5
RM: 1 - TM 2-4/0 & 1-1/0 600V 1P UG TO OH
RM: 1 - RSR 3" TO 2" EXTENSION
RM: 6' - CM DUCT 2" AND UP (9070E TO P/U PT G)
RM: 112' - CBL 2-4/0 1-1/0 AL 3-1/C 600V IN DUCT (9070E TO PNL@36)

TD2111184

17 — EX: 781475E — ELEVATED POLE

50' CLASS 2
RM: 1 - TM 2-1/0 & 1-#2 600V 1P UG TO OH
RM: 1 - CNN BAR INS LT DUTY #8-350 1P 6-WAY (H205D)
RM: 1 - RSR 3" TO 2" EXTENSION
RM: 35' - CM DUCT 2" AND UP (1475E TO H205D)
RM: 65' - CBL 2-1/0 1-#2 AL 3-1/C 600V IN DUCT (1475E TO H205D)

V5774203	VD=1.84 FL=3.26 200 PANEL 120/240V 1P 16.6KW 5TONS 26 EASTFIELD DR ROLLING HILLS ,CA 90274	VD=1.82 FL=3.21 200 PANEL 120/240V 1P 10KW 5TONS 28 EASTFIELD DR ROLLING HILLS,CA 90274	VD=0.31 FL=2.93 200 PANEL 120/240V 1P 4.5KW 5TONS 30 EASTFIELD DR ROLLING HILLS,CA 90274	VD=0.7 FL=4.6 200 PANEL 120/240V 1P 5.6KW 5TONS 32 EASTFIELD DR ROLLING HILLS ,CA 90274	VD=1.68 FL=3.75 200 PANEL 120/240V 1P 17KW 5TONS 35 EASTFIELD DR ROLLING HILLS,CA 90274	
V5774205	VD=1.04 FL=4.07 200 PANEL 120/240V 1P 4.9KW 5TONS 2 CHUCKWAGON RD ROLLING HILLS,CA 90274	VD=0.91 FL=2.7 200 PANEL 120/240V 1P 13.3KW 5TONS 34 EASTFIELD DR ROLLING HILLS,CA 90274	VD=1.23 FL=3.51 200 PANEL 120/240V 1P 12.7KW 5TONS 36 EASTFIELD DR ROLLING HILLS,CA 90274	VD=1.26 FL=4.28 200 PANEL 120/240V 1P 7.8KW 5TONS 37 EASTFIELD DR ROLLING HILLS ,CA 90274	VD=0.44 FL=4.85 200 PANEL 120/240V 1P 0.1KW 5TONS 38 EASTFIELD DR ROLLING HILLS,CA 90274	VD=1.56 FL=3.51 200 PANEL 120/240V 1P 15.9KW 5TONS 39 EASTFIELD DR ROLLING HILLS ,CA 90274

NOTE TO CREW:
WORK WITH RELATED TD2111183 R20B OH REMOVAL

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

SCALE: 1" = 60'
0 60 120

PRELIMINARY
Not For Construction

LINE DEVICE ID# GS7207
TO BE PROVIDED BY DISTRICT AT THE TIME OF INSTALL
D19: Rev. 10/26/20

DISTRICT	PROJ. MGR. / PHONE	PLANNER / PHONE	DESIGNER
44 - SOUTH BAY	WILLIAMS, JENNA J 714-430-7842	WILLIAMS, JENNA J 310-720-6086	CHIN, ELIZABETH

PROJECT NO.	SERVICE REQUEST	MSR NO.	PRODUCT-1	
2612821	3500715		2111184-RULE 20B-UG INSTALL	ASSOC DESGN
CIRCUIT / VOLTAGE: STATLER 16KV		GPS	PRODUCT-2	ASSOC DESGN
SUB / PG NO.: WALTERIA SUB		CIRCUIT CODE	PRODUCT-3	ASSOC DESGN

INVENTORY MAP: VARIOUS — J.P.A. NO.

TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #
P	12/29/2023	MUDILA K	J WILLIAMS	E CHIN	16484
P	11/28/2023	MUDILA K	J WILLIAMS	E CHIN	16484

PROPOSED CONSTRUCTION (LOCATION): RULE 20B, 45 EASTFIELD DR, ROLLING HILLS CA 90274

SHEET 6 OF 7 — DESIGN\DRWG NO. 1608857_0.01

Southern California Edison Company

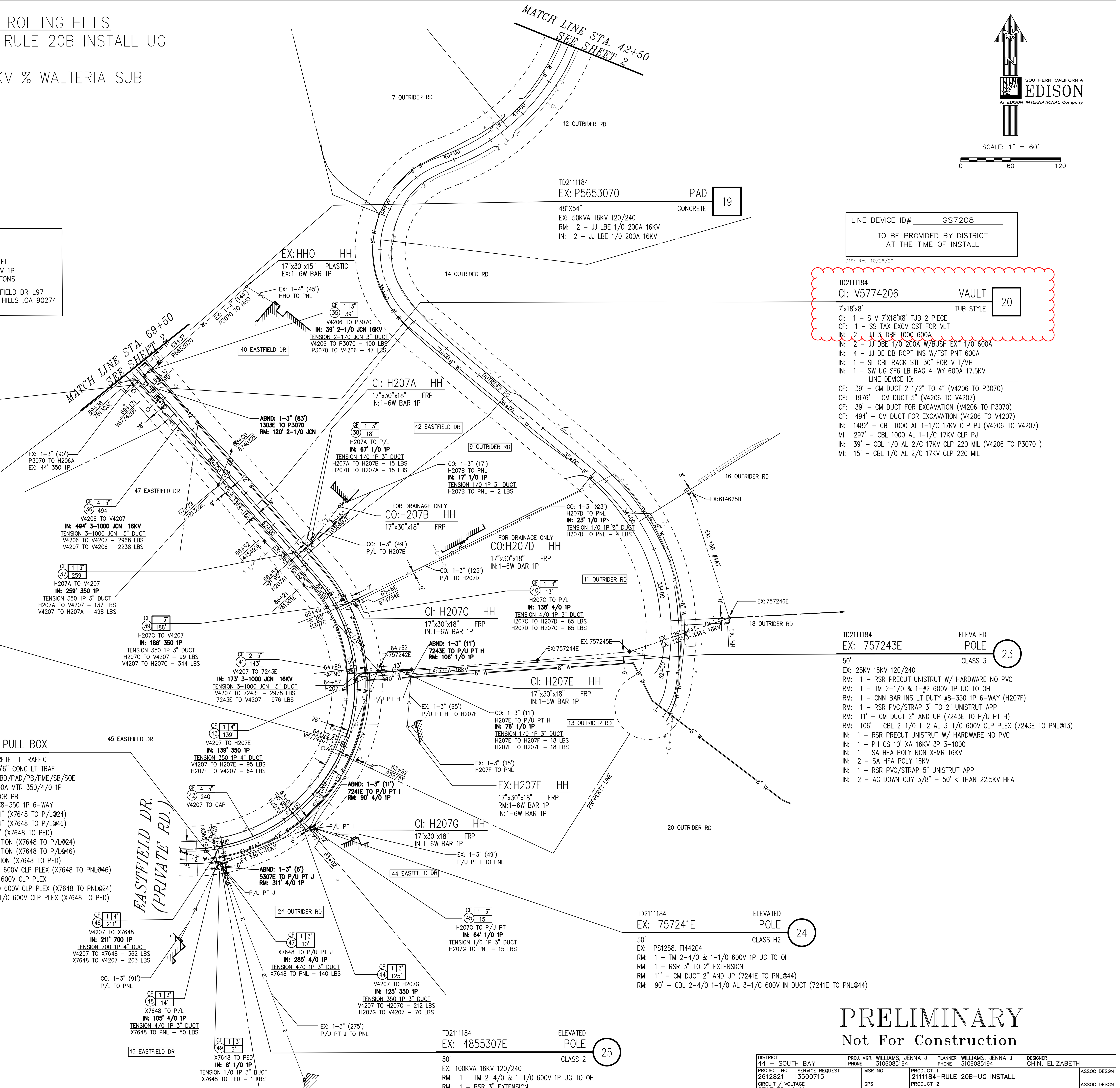
FILE NAME:1608857_0.01.DWG SAVE DATE:12/30/2023 12:44 PM SAVED BY:KANGULM

NOTE TO CREW:
WORK WITH RELATED TD2111183 R20B OH REMOVAL

CITY OF ROLLING HILLS
TD2111184 2QQ RULE 20B INSTALL UG

STATLER 16KV % WALTERIA SUB

P5653070	VD=1.38 FL=3.58 200 PANEL 120/240V 1P 20KW 5TONS 40 EASTFIELD DR ROLLING HILLS ,CA 90274	VD=0.47 FL=3.88 200 PANEL 120/240V 1P 5.9KW 5TONS 41 EASTFIELD DR ROLLING HILLS ,CA 90274		X5657648	VD=0 100 PED-GEN 120/240V 1P 0KW 2TONS 46 EASTFIELD W/CHKWGN PED ROLLING HILLS ,CA 90274	
V5774207	VD=0.94 FL=4.18 200 PANEL 120/240V 1P 8KW 5TONS 9 OUTRIDER RD ROLLING HILLS,CA 90274	VD=1.87 FL=3.66 200 PANEL 120/240V 1P 18.3KW 5TONS 13 OUTRIDER RD ROLLINGS HILLS,CA 90274	VD=2.42 FL=4.96 200 PANEL 120/240V 1P 14.8KW 5TONS 24 OUTRIDER RD ROLLING HILLS DR,CA 90274	VD=0.92 FL=4.54 200 PANEL 120/240V 1P 7KW 5TONS 42 EASTFIELD DR ROLLING HILLS ,CA 90274	VD=0.32 FL=3.01 200 PANEL 120/240V 1P 4.1KW 5TONS 44 EASTFIELD DR ROLLING HILLS ,CA 90274	VD=1.19 FL=2.99 200 PANEL 120/240V 1P 9.9KW 5TONS 46 EASTFIELD DR L97 ROLLING HILLS ,CA 90274



LINE DEVICE ID# GS7208
TO BE PROVIDED BY DISTRICT
AT THE TIME OF INSTALL
D19: Rev. 10/26/20

19 TD2111184
EX: P5653070 PAD
48"X54" CONCRETE
EX: 50KVA 16KV 120/240
RM: 2 – JJ LBE 1/0 200A 16KV
IN: 2 – JJ LBE 1/0 200A 16KV

20 TD2111184
CI: V5774206 VAULT
7'x18'x8' TUB STYLE
CI: 1 – S V 7'X18'X8' TUB 2 PIECE
CF: 1 – SS TAX EXCV CST FOR VLT
IN: 2 – JJ 3-DBE 1000 600A
IN: 2 – JJ DBE 1/0 200A W/BUSH EXT 1/0 600A
IN: 4 – JJ DE DB RCPT INS W/TST PNT 600A
IN: 1 – SL CBL RACK STL 30" FOR VLT/MH
IN: 1 – SW UG SF6 LB RAG 4-WY 600A 17.5KV
LINE DEVICE ID:___________
CF: 39' – CM DUCT 2 1/2" TO 4" (V4206 TO P3070)
CF: 1976' – CM DUCT 5" (V4206 TO V4207)
CF: 39' – CM DUCT FOR EXCAVATION (V4206 TO P3070)
CF: 494' – CM DUCT FOR EXCAVATION (V4206 TO V4207)
IN: 1482' – CBL 1000 AL 1-1/C 17KV CLP PJ (V4206 TO V4207)
MI: 297' – CBL 1000 AL 1-1/C 17KV CLP PJ
IN: 39' – CBL 1/0 AL 2/C 17KV CLP 220 MIL (V4206 TO P3070)
MI: 15' – CBL 1/0 AL 2/C 17KV CLP 220 MIL

21 TD2111184
EX: 781303E ELEVATED POLE
50' CLASS 1
RM: 1 – RSR PRECUT UNISTRUT W/ HARDWARE NO PVC
RM: 1 – PH CS 10' XA 16KV 1P 2-1/0
RM: 1 – SA HFA POLY NON XFMR 16KV
RM: 1 – SA HFA POLY 16KV
RM: 1 – RSR PVC/STRAP 3" UNISTRUT APP
RM: 120' – CBL 1/0 AL 2/C 17KV CLP 220 MIL (1303E TO P3070)
RM: 83' – CM DUCT 2" AND UP (1303E TO P3070)

LINE DEVICE ID# GS7209
TO BE PROVIDED BY DISTRICT
AT THE TIME OF INSTALL
D19: Rev. 10/26/20

22 TD2111184
CI: V5774207 VAULT
7'x18'x8' TUB STYLE
VENTS REQUIRED
CI: 1 – S V 7'X18'X8' TUB 2 PIECE
CF: 1 – SS TAX EXCV CST FOR VLT
IN: 3 – JJ 3-DBE 1000 600A
IN: 2 – JJ DBE 1/0 200A W/BUSH EXT 1/0 600A
IN: 4 – JJ DE DB RCPT INS W/TST PNT 600A
IN: 1 – SL CBL RACK STL 30" FOR VLT/MH
IN: 1 – CNN PTAIL STRT FOR 200A MTR 350/4/0 1P
IN: 1 – SW UG SF6 LB RAG 5-WY 600A 17.5KV
LINE DEVICE ID:___________
IN: 1 – TR UG BT MC F DE 100KVA 16KV 120/240 1P+
SN:___________
CF: 287' – CM DUCT 5" (V4207 TO 7243E)
CF: 960' – CM DUCT 5" (V4207 TO CAP)
CF: 143' – CM DUCT FOR EXCAVATION (V4207 TO 7243E)
CF: 240' – CM DUCT FOR EXCAVATION (V4207 TO CAP)
IN: 519' – CBL 1000 AL 1-1/C 17KV CLP PJ (V4207 TO 7243E)
MI: 102' – CBL 1000 AL 1-1/C 17KV CLP PJ
CI: 1 – S HH POLY 17"X30"X18" LT TRAFFIC (H207A)
CI: 1 – S HH POLY 17"X30"X18" LT TRAFFIC (H207C)
CI: 1 – S HH POLY 17"X30"X18" LT TRAFFIC (H207G)
CI: 1 – S HH POLY 17"X30"X18" LT TRAFFIC (H207E)
CF: 4 – SS TAX EXCV CST FOR PLASTIC HH
IN: 1 – CNN BAR INS LT DUTY #8-350 1P 6-WAY (H207G)
IN: 1 – CNN BAR INS LT DUTY #8-350 1P 6-WAY (H207C)
CF: 186' – CM DUCT 2 1/2" TO 4" (V4207 TO H207C)
CF: 139' – CM DUCT 2 1/2" TO 4" (V4207 TO H207E)
CF: 125' – CM DUCT 2 1/2" TO 4" (V4207 TO H207G)
CF: 211' – CM DUCT 2 1/2" TO 4" (V4207 TO X7648)
CF: 259' – CM DUCT 2 1/2" TO 4" (V4207 TO H207A)
CF: 22' – CM DUCT FOR EXCAVATION (V4207 TO H207C)
CF: 67' – CM DUCT FOR EXCAVATION (V4207 TO H207E)
CF: 29' – CM DUCT FOR EXCAVATION (V4207 TO H207G)
CF: 21' – CM DUCT FOR EXCAVATION (V4207 TO X7648)
CF: 20' – CM DUCT FOR EXCAVATION (V4207 TO H207A)
IN: 186' – CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX (V4207 TO H207C)
MI: 145' – CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX
IN: 139' – CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX (V4207 TO H207E)
IN: 125' – CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX (V4207 TO H207G)
IN: 259' – CBL (2) 350 MCM, (1) 4/0 600V CLP PLEX (V4207 TO H207A)
IN: 211' – CBL (2) 700, (1) 350 600V CLP PLEX (V4207 TO X7648)
MI: 42' – CBL (2) 700, (1) 350 600V CLP PLEX
IN: 1 – CNN BAR INS LT DUTY #8-350 1P 6-WAY (H207B)
IN: 1 – CNN BAR INS LT DUTY #8-350 1P 6-WAY (H207D)
IN: 1 – CNN BAR INS LT DUTY #8-350 1P 6-WAY (H207E)
IN: 1 – CNN BAR INS LT DUTY #8-350 1P 6-WAY (H207A)
IN: 1 – CNN BAR INS LT DUTY #8-350 1P 6-WAY (H207F)
CF: 18' – CM DUCT 2 1/2" TO 4" (H207A TO P/L)
CF: 13' – CM DUCT 2 1/2" TO 4" (H207C TO P/L)
CF: 15' – CM DUCT 2 1/2" TO 4" (H207G TO P/L@44)
CF: 18' – CM DUCT FOR EXCAVATION (H206B TO P/L)
CF: 13' – CM DUCT FOR EXCAVATION (H207C TO P/L)
CF: 15' – CM DUCT FOR EXCAVATION (H207G TO P/L@44)
IN: 67' – CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (H207A TO H207B)
IN: 17' – CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (H207B TO PNL@42)
MI: 50' – CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX
IN: 23' – CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (H207D TO PNL@9)
IN: 76' – CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (H207E TO H207F)
IN: 64' – CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (H207G TO PNL@44)
IN: 138' – CBL (2) 4/0, (1) 1/0 600V CLP PLEX (H207C TO H207D)
MI: 3' – CBL (2) 4/0, (1) 1/0 600V CLP PLEX

T.L.M. DATA: 5774207	SIZE	KVA	CUST	% LOAD
EXIST.	0	0	0	0%
PROP.	100	68.9	6	68.9%

VOLTAGE DROP: SEE MAP
FLICKER FACTOR: SEE MAP
PRI. CIRCUIT: STATLER 16KV
D27: REV. 12/10/21

23 TD2111184
EX: 757243E ELEVATED POLE
50' CLASS 3
EX: 25KV 16KV 120/240
RM: 1 – RSR PRECUT UNISTRUT W/ HARDWARE NO PVC
RM: 1 – TM 2-1/0 & 1-#2 600V 1P UG TO OH
RM: 1 – CNN BAR INS LT DUTY #8-350 1P 6-WAY (H207F)
RM: 1 – RSR PVC/STRAP 3" TO 2" UNISTRUT APP
RM: 11' – CM DUCT 2" AND UP (7243E TO P/U PT H)
RM: 106' – CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (7243E TO PNL@13)
IN: 1 – RSR PRECUT UNISTRUT W/ HARDWARE NO PVC
IN: 1 – PH CS 10' XA 16KV 3P 3-1000
IN: 1 – SA HFA POLY NON XFMR 16KV
IN: 2 – SA HFA POLY 16KV
IN: 1 – RSR PVC/STRAP 5" UNISTRUT APP
IN: 2 – AG DOWN GUY 3/8" – 50' < THAN 22.5KV HFA

26 TD2111184
CI: X5657648 PULL BOX
2'-6"x4'x3'-6" CONCRETE LT TRAFFIC
CI: 1 – S SPL BOX PB 2'6"X4'X3'6" CONC LT TRAF
CF: 1 – SS TAX EXCV CST FOR BD/PAD/PB/PME/SB/SOE
IN: 2 – CNN PTAIL STRT FOR 200A MTR 350/4/0 1P
IN: 1 – SL CBL RACK STL 30" FOR PB
IN: 1 – CNN BAR INS LT DUTY #8-350 1P 6-WAY
CF: 10' – CM DUCT 2 1/2" TO 4" (X7648 TO P/L@24)
CF: 14' – CM DUCT 2 1/2" TO 4" (X7648 TO P/L@46)
CF: 6' – CM DUCT 2 1/2" TO 4" (X7648 TO PED)
CF: 10' – CM DUCT FOR EXCAVATION (X7648 TO P/L@24)
CF: 14' – CM DUCT FOR EXCAVATION (X7648 TO P/L@46)
CF: 6' – CM DUCT FOR EXCAVATION (X7648 TO PED)
IN: 105' – CBL (2) 4/0, (1) 1/0 600V CLP PLEX (X7648 TO PNL@46)
MI: 78' – CBL (2) 4/0, (1) 1/0 600V CLP PLEX
IN: 285' – CBL (2) 4/0, (1) 1/0 600V CLP PLEX (X7648 TO PNL@24)
IN: 6' – CBL 2-1/0 1-2 AL 3-1/C 600V CLP PLEX (X7648 TO PED)

24 TD2111184
EX: 757241E ELEVATED POLE
50' CLASS H2
EX: PS1258, FI44204
RM: 1 – TM 2-4/0 & 1-1/0 600V 1P UG TO OH
RM: 1 – RSR 3" TO 2" EXTENSION
RM: 11' – CM DUCT 2" AND UP (7241E TO PNL@44)
RM: 90' – CBL 2-4/0 1-1/0 AL 3-1/C 600V IN DUCT (7241E TO PNL@44)

25 TD2111184
EX: 4855307E ELEVATED POLE
50' CLASS 2
EX: 100KVA 16KV 120/240
RM: 1 – TM 2-4/0 & 1-1/0 600V 1P UG TO OH
RM: 1 – RSR 3" EXTENSION
RM: 6' – CM DUCT 2" AND UP (7241E TO P/L@24)
RM: 311' – CBL 2-4/0 1-1/0 AL 3-1/C 600V IN DUCT (7241E TO PNL@24)

PRELIMINARY
Not For Construction

DISTRICT 44 – SOUTH BAY		PROJ. MGR. WILLIAMS, JENNA J PHONE 3106085194	PLANNER WILLIAMS, JENNA J PHONE 3106085194	DESIGNER CHIN, ELIZABETH	
PROJECT NO. 2612821	SERVICE REQUEST 3500715	MSR NO.	PRODUCT-1 2111184-RULE 20B-UG INSTALL		ASSOC DESGN
CIRCUIT / VOLTAGE STATLER 16KV		GPS	PRODUCT-2		ASSOC DESGN
SUB / PG NO. WALTERIA SUB		CIRCUIT CODE	PRODUCT-3		ASSOC DESGN
INVENTORY MAP VARIOUS		J.P.A. NO.	PROPOSED CONSTRUCTION (LOCATION) RULE 20B 45 EASTFIELD DR ROLLING HILLS CA 90274		

TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #
P	12/29/2023	MUDILA K	J WILLIAMS	E CHIN	16484
P	11/28/2023	MUDILA K	J WILLIAMS	E CHIN	16484

Southern California Edison Company

SHEET 7 OF 7 — DESIGN\DRWG NO. 1608857_0.01

ROLLING HILLS COMMUNITY ASSOCIATION
1 Portuguese Bend Road, Rolling Hills, CA 90274
(310) 544-6222; Fax: (310) 544-6766

Attachment 2

AGREEMENT FOR EXCAVATION OF EASEMENTS

(Staff Use Only)	**Permit No. _____**	**Permit Fee $250 ☐ PAID ☐ INVOICED**
	Date Issued _____	**Expiration Date (90 Days) _____**
	Extension Approved _____	**Expiration Date _____**

The Rolling Hills Community Association grants permission to:

Company / Utility Name | Contact Person

Street Address | City, State, Zip

Phone | Email

May cut and excavate at:

Property Address/Name of Street

In the area of:

Describe job location

For the purpose of:

Description of work

Power Outage/Service Turn-off Required: YES NO **Traffic Control Plan included: YES NO**

Note that any project that requires multiple vehicles and/or trailers be parked or located in any portion of any roadway at a work site or sites will require the applicant to attach to this application a Traffic Control Plan that complies with the "California Manual on Uniform Traffic Control Devices" (most current edition including most current revisions).

Applicant agrees that all work will be done in accordance with and limited to the submitted plans and with the attached requirements of this agreement and that the easement shall be restored to its original condition and left in a safe condition. To the extent appliable, all work shall comply with all laws and regulations regulating the activities of the applicant.

Prior to the commencement of any work, the applicant shall deliver to the Manager of the Rolling Hills Community Association a certificate of insurance naming the Rolling Hills Community Association as additionally insured for a minimum of three million dollars ($3,000,000).

Applicant shall place two inches of temporary pavement on all cuts in all types of existing pavement, or more as may be required by the Manager based on the nature and scope of the project. Applicant shall perform no work nor make any repairs until authorized by the Rolling Hills Community Association except to eliminate an emergency condition.

If excavation involves cutting the RHCA roadway, a minimum deposit of $2,500 must be made with the application prior to the start of work. That deposit amount may be adjusted upwards at the discretion of the Rolling Hills Community Association for projects with larger areas of excavation. When said cut or excavation has been filled and repaired to a safe and permanent condition to the Manager of the Association, that portion of the deposit not consumed by Rolling Hills

Community Association in its review and inspections shall be released and discharged. In the event that the initial deposit is deemed to be insufficient to cover the costs of the Rolling Hills Community Association in its review and inspections, further deposits may be required, and must be tendered within five working days of each such request.

All work sites, working conditions, and work performed must at all times comply with all federal, state, local government and agency laws, general orders, and regulations, including without limitation to those promulgated by OSHA, CAL/OSHA, and the California Public Utilities Commission.

The parties agree that if said cut or excavation made in a road is not filled and repaired to a satisfactory usable condition within seven calendar days after completion of the work the Manager shall forthwith cause the same to be filled and repaired and the cost shall be charged against the cash deposit posted with the application, or as may be increased by the Manager.

The parties agree that applicant shall be responsible for all loss or damage incurred by the Rolling Hills Community Association. The applicant shall indemnify, hold harmless, and defend the Rolling Hills Community Association in connection with all claims whatsoever regarding any work performed by the applicant in the streets, property, and easements of the Rolling Hills Community Association for a period of fifty (50) years from the date of completion of such work. The applicant shall have no right to settle or compromise any such claims without the express authority of the Board of Directors of the Rolling Hills Community Association.

_____	ROLLING HILLS COMMUNITY ASSN.
By:	By:
_____	_____

Notify the Association Office prior to starting work & once it is completed (310) 544-6222.

EXCAVATION AGREEMENT REQUIREMENTS

1. All work, unless otherwise specified, shall be completed in accordance with the specifications of the *Rolling Hills Community Association Trench Backing and Pavement Repair* guidelines.

2. One set of plans must be digitally submitted for consideration. Hard copies may be required at the discretion of staff.

3. A copy of this agreement and plans shall be kept on the job at all times. If a utility pole is being replaced, a copy of this permit must be provided to the gates with the delivery of the pole.

4. A traffic control plan that conforms to the latest edition of the State of California MUTCD must be submitted with the completed application. Traffic control measures are required and must be discussed with and approved by the RHCA's staff prior to issuing the permit. Flag men are required if any portion of a lane is closed. One lane of travel must be maintained at all times. If it is necessary to completely close the road, the contractor must contact the RHCA office a minimum of **TWO WEEKS** in advance to discuss and make proper arrangements.

5. Trail closed signs are required if any portion of a bridle trail is closed and the contractor must contact RHCA's Maintenance Supervisor at (310) 541-3544 to make such arrangements.

6. Utility poles or other structures that require a helicopter set must be arranged with the RHCA office a minimum of **TWO WEEKS** in advance to discuss and make proper arrangements.

7. The contractor is required to notify the RHCA Office prior to the start of work. It is the responsibility of the utility/contractor to notify any affected homeowners of power outages.

8. The contractor must acquire permission from the property owner prior to working or accessing any private property.

9. Proof of Dig Alert notifications for all areas subject to excavation must be provided in advance of the commencement of any underground work.

10. Dig Alert/USA and other utility markings on roads must be entirely removed at the completion of work. No permanent paint or other marking shall be permitted at any time.

11. Bridle Trails and road shoulders disturbed by excavation must be restored to original conditions (signs and mailboxes re-set, decomposed granite or other special surfaces replaced.)

12. If a utility pole is removed, it must be removed by the applicant from the area of the Rolling Hills Community Association for disposal or other disposition.

13. Applicant shall be legally and financially responsible for all damage caused by it to the property of the Rolling Hills Community Association and its members.

Attachment 3

Rolling Hills Community Association
TRENCH BACKFILL AND PAVEMENT REPAIRS

NOTES

BELOW GROUND

1A. SEE STANDARD PLAN

2A. FOR TRENCHES LONGER THAN 200' OR LARGER THAN 1,000 SQUARE FEET, A LICENSED SOILS ENGINEER SHALL BE PRESENT TO MONITOR THE NATIVE OR IMPORTED BACKFILL OPERATION AND TEST FOR COMPACTION AT 100' OR 200 SQUARE FOOT MAXIMUM INTERVALS.

3A. IN AREAS NOT IN EXISTING ROADWAY, BACKFILL SHALL BE COMPACTED TO A RELATIVE COMPACTION OF 90%

4A. EXCAVATED MATERIAL NOT APPROVED FOR USE IN TRENCH BACKFILL SHALL BE REMOVED FROM JOB SITE UNLESS OTHERWISE USED IN THE WORK.

5A. WHERE WET, UNSTABLE OR RUNNING SOIL IS ENCOUNTERED, SOLID SHEATHING IS REQUIRED FOR ALL VERTICAL TRENCH WALLS.

6A. ALL SHORING SHALL BE DESIGNED BY A CIVIL ENGINEER IN ACCORDANCE WITH SOIL REPORT.

VISIBLE SURFACE:

1B. CRACKS SHALL BE SEALED AND A TYPE 2 SLURRY SEAL COATING WITH 2% LATEX SHALL BE APPLIED FROM LANE LINE TO LANE LINE FOR LONGITUDINAL TRENCHES GREATER THAN 200' IN LENGTH FOR ANY LANE AFFECTED.

METHODOLOGY

1C. AT THE END OF EACH WORK DAY, ANY TRENCH IN AN ARTERIAL ROAD SHALL BE COVERED BY NON-SKID STEEL PLATES OR BE PAVED WITH TEMPORARY OR PERMANENT PAVEMENT FLUSH WITH ADJACENT PAVEMENT SURFACES. SECURED IN PLACE, RAMPED WITH A.C. AND NOT USED FOR MORE THAN 48 CONSECUTIVE HOURS ON THE SAME SEGMENT OR TRENCH. "PLATE AHEAD' SIGN9S0 SHALL BE PROPERTY INSTALLED WHEN PLATES ARE IN USE. OTHER CITY STREETS MAY HAVE LESSER REQUIREMENTS AND WILL BE CONSIDERED ON A CASE BY CASE BASIS.

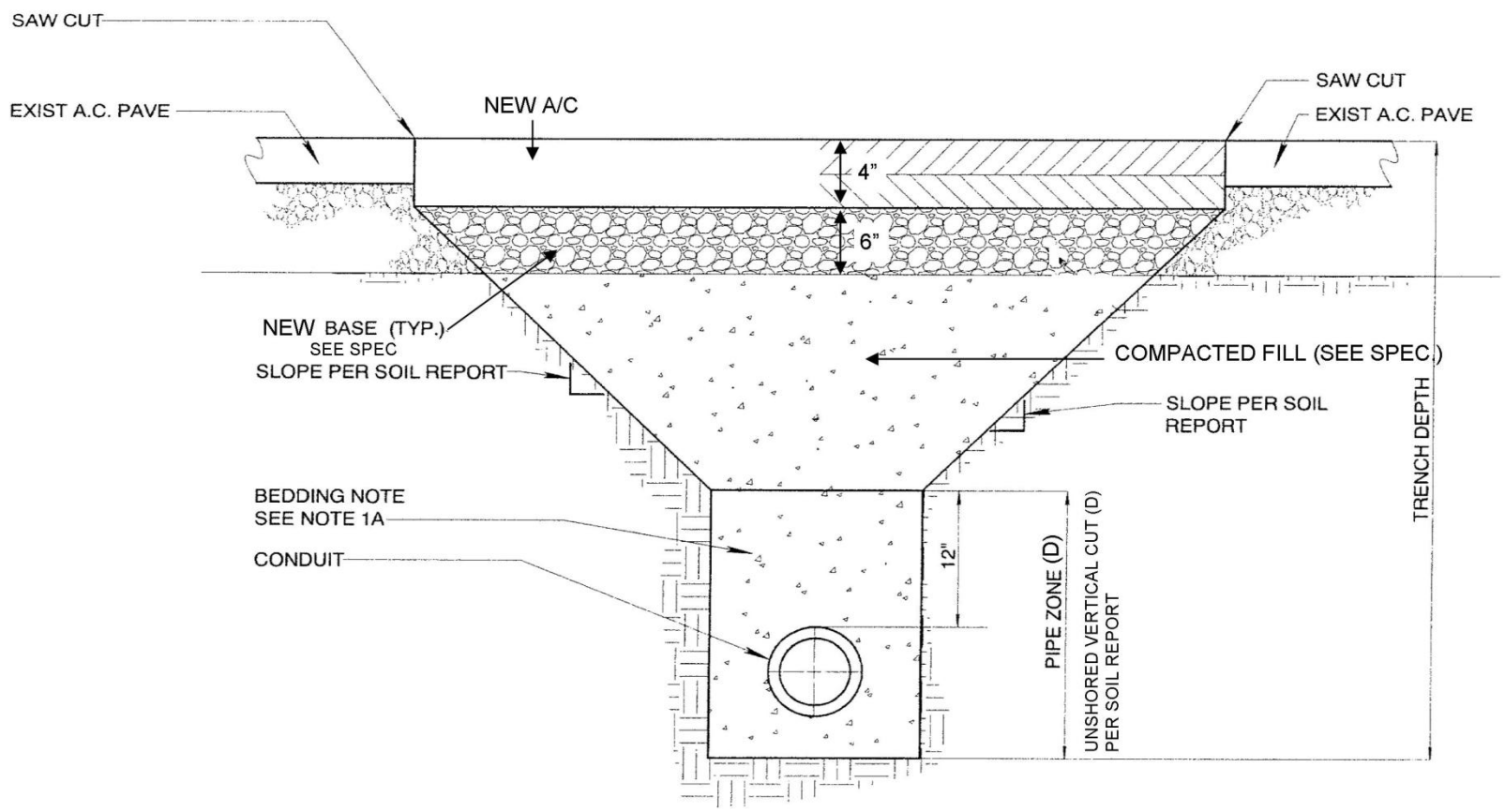
2C. ALL TRAFFIC LANES SHALL BE CLEANED AND RESTORED FOR USE IMMEDIATELY UPON PLACEMENT OF TEMPORARY A.C. PAVEMENT, TRENCH PLATES AND/OR FINAL A.C. PAVEMENT.

3C. ALL TRAFFIC STRIPING AND/OR MARKING(S) REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND AS DIRECTED.

4C. TRAFFIC CONTROL SHALL BE PER CONTRACTORS "CONSTRUCTION TRAFFIC CONTROL PROCEDURES ON CITY STREETS" AS SUBMITTED TO AND APPROVED BY THE RHCA.

5C. A COLLECTION DEVICE SHALL BE USED TO COLLECT SEDIMENTS GENERATED DURING SAWCUTTING OPERATION.

6C. ALL PAVEMENT REMOVALS SHALL USE STRAIGHT LIGHT SAWCUTS A MINIMUM OF 1.5" DEEP.



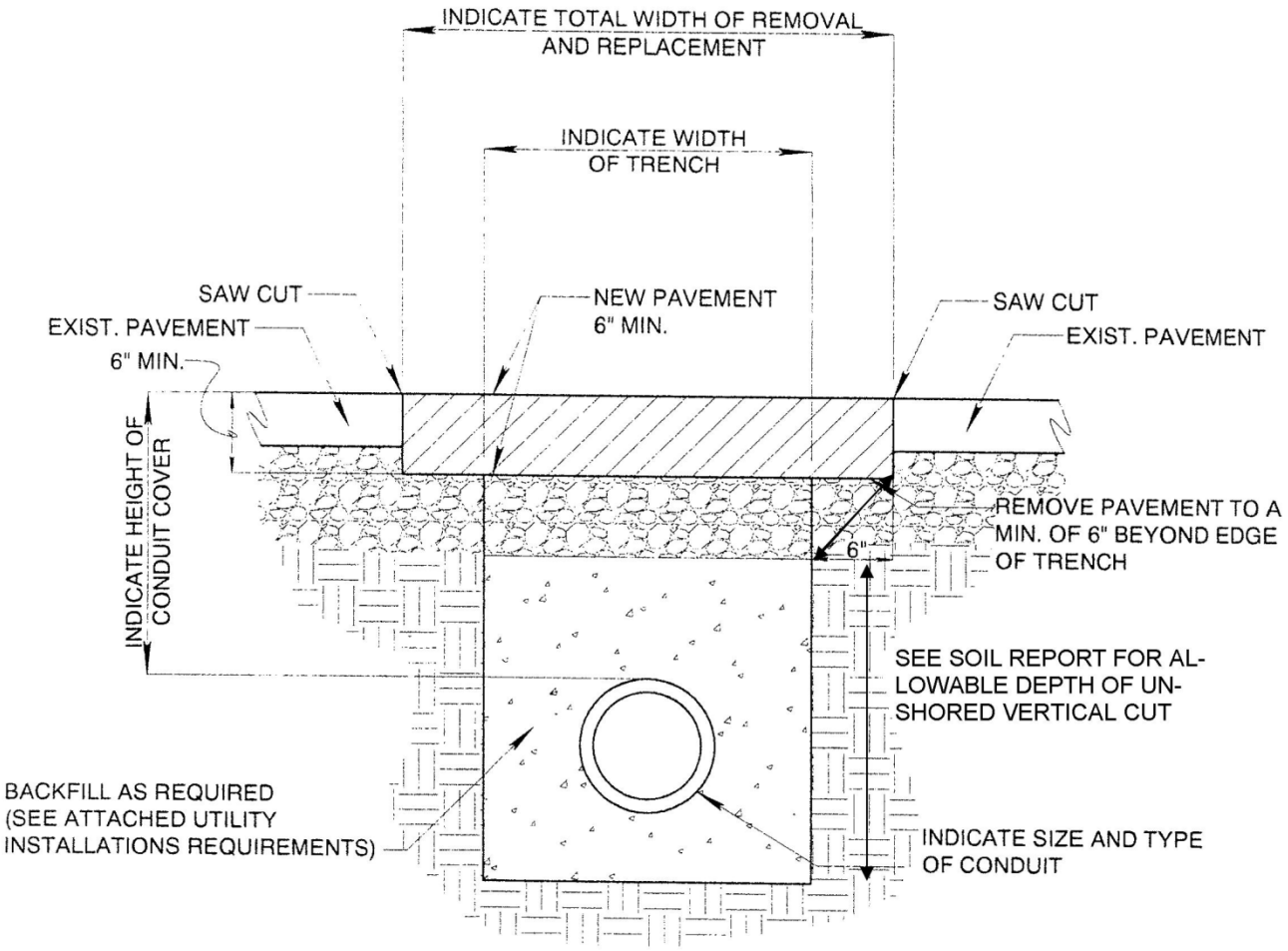
STANDARD DETAIL

UTILITY TRENCH T-SECTION

NOT TO SCALE

NOTE

THIS DETAIL APPLIES TO STREETS WITHIN ROLLING HILLS COMMUNITY ASSOCIATION EASEMENT/ RIGHT OF WAY



STANDARD DETAIL
UTILITY TRENCH T-SECTION

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