## LEGEND OF CONDUIT SYMBOLS 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. NO. CONDUIT REO'D. 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. 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. TYPE OF FACILITY 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. 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. NO. CONDUIT REQ'D.-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. TYPE OF FACILITY 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 NO. CONDUIT REQ'D. SIZE OF CONDUIT shall conduit be left exposed over 24 hours. REFERENCE RUN NO. — MEMO — DENOTES CONDUIT RUN CONTINUATION 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 NO. CONDUIT REQ'D. structures. REFERENCE RUN NO. --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. ANY OF THE ABOVE SYMBOLS FOLLOWED BY A a. 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. c. All conduit lines and concrete floored substructures shall be water tight. d. All grounding materials shall be furnished and installed by the Contractor. 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. 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. a. Meters and services shall comply with Edison Electrical Services Requirements. D18: Rev. 5/08/2006 b. Wiring must be in accordance with applicable local ordinances and approved by local Inspection Authorities. 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. 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. 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

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

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

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

DIV INSPECTOR:

JOEL BETANCOURT @ 951-492-9979

PCI\_INSPECTOR: TYLER SCHLAPPI @ 909-357-6240

TYLER.M.SCHLAPPI@SCE.COM

Phone:

Phone:

which may become apparent through inspection or operation of underground electric system by Company during this

concerned.

16. OWNERSHIP

17. WARRANTY:

18. INSPECTION:

D05: Rev. 07/21/16

requirements are available upon request

Duct and Structure Inspector:

Cabling Construction Coordinator:

SIZE OF CONDUIT - DENOTES CONDUIT RUN CONTINUATION FOR CONSTRUCTION INFORMATION FOR HANDHOLE AND PULLBOX MANUFACTURERS. SEE UGS HP 200. D41: Rev. 01/21/09 DB CONDUIT WITHOUT ENCASEMENT IS ACCEPTABLE FOR PORTIONS OF TRENCH TYPICAL CONDUIT BANK SECTION SEE UGS CD 120 1½"
BEDDING 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 DIRECT BURIAL
SIMILAR CONSTRUCTION FOR FEWER CONDUIT CO - CUSTOMER CONTRACTOR OWNED: MATERIALS FURNISHED. INSTALLED. 2 CONDUITS MAX. CF - CUSTOMER CONTRACTOR FURNISHED: MATERIALS FURNISHED AND D81: Rev. 09/23/09 INSTALLED BY APPLICANT AT APPLICANT'S EXPENSE THAT MAY BE 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.

(CONVENTIONAL U. G.)

SIZE OF CONDUIT

LENGTH OF CONDUIT RUN

LENGTH OF TRENCH

 $\setminus extstyle e$ 

- LENGTH OF CONDUIT RUN

LENGTH OF ADDITIONAL

FOR CONSTRUCTION INFORMATION

**EDISON** 

**TRENCH** 

STREET LIGHT

STREET LIGHT

TRENCH

**EDISON** 

STREET LIGHT

\MEMO/<del>---</del>

DENOTES THE FOLLOWING:

WITH ONLY ONE OR TWO CONDUITS

SEMI-ENCASEMENT IS REQUIRED FOR

FULL ENCASEMENT IS REQUIRED FOR

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 DPB 8258. PROJECT MATERIAL LIST BY

SI - SHOOFLY IN: MATERIALS FURNISHED AND INSTALLED BY EDISON FOR

SR - SHOOFLY REMOVE: MATERIALS REMOVED BY EDISON FOR TEMPORARY

TR - TRANSFER: EDISON LABOR REQUIRED TO TRANSFER EXISTING FACILITIES.

PORTIONS OF TRENCH WITH ONLY

THREE OR FOUR CONDUITS

MORE THAN FOUR CONDUITS

INSTALLED BY EDISON'S CONTRACTOR.)

OWNED. AND MAINTAINED BY APPLICANT.

DEEDED TO EDISON

MI - MEMO INSTALL: SAME AS IN-INSTALL.

TEMPORARY CONSTRUCTION.

D31: Rev. 11/85

MR - MEMO REMOVE: MATERIALS REMOVED BY EDISON.

RM - MEMO REMOVED: MATERIALS REMOVED BY EDISON.

(CIC-DB, ETC.)

SEE UGS CD 120 1-1/2" --- BEDDING SEMI-ENCASEMENT 3 OR 4 CONDUITS D73: Rev. 09/23/09

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

inspector to schedule an appointment. Customers may connect to an

• 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

provide all necessary excavations (with the exception of excavation under

work will only be performed by SCE. Contact the appropriate SCE

• Per CPUC/SCE's Rule 15 B.1.A and Rule 16 D.1.A., the customer will

pads and primary splice boxes), material (including conduit and

structures) and encasement, to be utilized in the intercept/tie-in

• The customer must adhere to all applicable Cal—OSHA, local, city, state

shoring and traffic control in place to perform the intercept/tie-in work

through the Division Inspector/P-Spec to limit exposure of excavation(s).

and federal regulations, (including, but not limited to, all necessary

• Intercept/tie-in work must be coordinated with SCE's civil contractors

CONCRETE PRODUCTS

Precast concrete item complete with neck. Cover and

inserts may be obtained from any of the following listed

JENSEN PRECAST

14221 San Bernardino Ave., Fontana, Calif. 92335

(800) 257-6100

(800) 626-3860

Phone: (909) 350-4111

OLDCASTLE PRECAST

10650 Hemlock Ave., Fontana, Calif. 92337

Phone: (909) 428-3700

existing conduit stub without a SCE inspector present

to the work order map for details.

by SCE's underground civil contractor(s)).

and approved manufactureres:

D08: 11/13/18

Customer is responsible for securing excavation(s).

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. TYPICAL CONDUIT BANK SECTION TYPICAL CONDUIT BANK SECTION JOINT WITH CATV & TELE SEE UGS CD 120 GUTTER GRADE ① ① — 1" BEDDING SEMI-ENCASEMENT 3 OR 4 CONDUITS D73-J: Rev. 09/23/09

WARNING

THE EXCAVATOR MUST TAKE ALL STEPS NECESSARY TO AVOID

CONTACT WITH UNDERGROUND FACILITIES WHICH MAY RESULT IN

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

CUSTOMER-OWNED CONDUIT MATERIAL\* AND CONCRETE

ENCASEMENT ARE TO BE INSTALLED IN ACCORDANCE WITH

\*SUBJECT TO APPROVAL BY LOCAL INSPECTION AUTHORITIES

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

WHERE CONDUITS ARE PICKED UP

OR INTERCEPTED, CONDUIT SHALL BE

MANDRELLED AND PULL ROPE INSTALLED

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

FROM TERMINAL TO TERMINAL.

EDISON ELECTRICAL SERVICE REQUIREMENTS.

OF CALIFORNIA, JANUARY 2006).

**EXCAVATOR** 

D14: Rev. 01/85

NOTE:

INJURY TO PERSONS OR DAMAGE TO FACILITIES IN THE AREA.

PROJECT REQUIREMENTS (Y/N) FDISON FASEMENT REQUIRED PWRD 88 REQUIRED UG CIVIL ONLY WORK ORDER PERMIT REQUIRED PERMIT TYPE: EXCAV/LANE CLOSURE OUTAGE REQUIRED OUTAGE DATE: \_\_\_\_\_ TIME: TRAFFIC CONTROL REQUIRED PED. TRAFFIC CONTROL REQ'D CONVEYANCE LETTER REQ'D ENVIRONMENTAL CLEARANCE REQ'D CSD 140 (TLM) REQ'D D124: Rev. 02/08/18 SCE NOTES REQUIREMENTS: YES NO

JOINT MEET WITH CATV/COMM LARGE JOB / SINGLE CONDUCTOR VEGETATION CLEARING SPILL LOG #N/A NOTES:

EASEMENT, PWRD-88, PERMITS, TRAFFIC CONTROL & ENVIRONMENTAL ALL CAPTURED ON TD1548001

POLE RISER BEND FOR RISER ON KICK BLOCKS SEE UGS CD 161 - WOOD MOULDING WITH #6 (MIN.) WIRE INSIDE TO TOP. ALIGN RISER WITH A TEMPORARY LENGTH OF CONDUIT; REMOVE THIS LENGTH WHEN RISER IS SET. 3 1/4" FOR WOOD KICKERS, (3 1/4" UNISTRUT KICKERS) SOLVENT WELD PIPE CAP ONTO RISER. DO NOT PERMIT EXCESS CEMENT TO ENTER CONDUIT. CAP HDG BEND WITH CONCRETE-FILLED COUPLING. 36"(MIN) RADIUS FOR 1" TO 3" INCL. 48"(MIN) RADUIS FOR 4" AND 5" 60"(MIN) RADIUS FOR 6" AND OVER MINIMUM EARTH COVER OVER RISER BEND TO BE AS FOLLOWS; CONDUIT — DÚCT HDG FIBERGLASS COVER #6(MIN) BARE COPPER TO GROUND RODS - COUPLING OR ADAPTER REAM INTERIOR OF LOWER END OF ABS RISER BEND TO PERMIT A SMOOTH TRANSITION FROM 3 1/4" WOOD KICKERS 3 1/4" UNISTRUT KICKERS (SEE SCE INSPECTOR) CONDUIT #6(MIN) BARE COPPER -5/8" x 8' COPPERCLAD STEEL GROUND ROD AND CLAMP 2 PLACES 6'(MIN) SEPARATION NOTE(S): 00|00 POLE -RISER BEND GROUNDING TYPICAL FOR POLE / PQLE \ BOTH POLE CONFIGURATIONS MOULDING APPROVED RISER BENDS ARE SHOWN ON FOLLOWING TABLE; - | - | - | 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. 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. 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 THE CONTRACTOR. SEE UGS AC 703 FOR APPROVED GROUNDING MATERIALS. ENCASEMENT REQUIRED ONLY WHEN CALLED OUT ON WORKING DRAWING. SCHEDULE 80 PVC BENDS MAY BE SUBSTITUTED FOR FIBERGLASS BENDS FOR STRAIGHT RUNS OF 150' OR LESS IN

PANEL CLEARANCE UNDERGROUND SERVICE CONNECTIONS 0-600 VOLTS SEE ESR 3-16 FRONT REQUIRED CLEAR AND LEVEL WORKING SPACE. SEE NOTE 3. SIDE VIEW

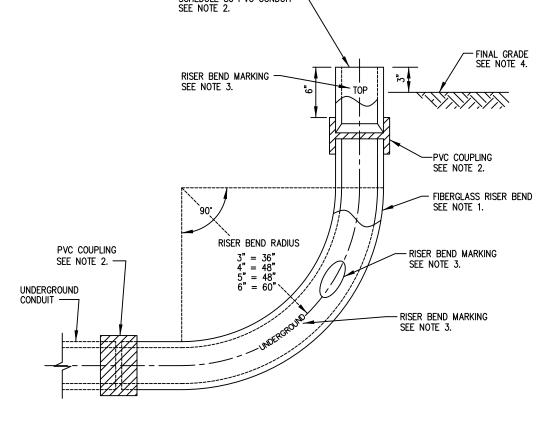
CONDUIT SIZES 4" AND UNDER.

D78A: REV. 01/09/12

1. A MINIMUM OF THREE (3) FEET OF CLEAR, LEVEL WORK SPACE IS REQUIRED IN FRONT OF ALL TERMINATION, METERING, AND SERVICE EQUIPMENT. 2. 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). 3. WHEN SERVICE EQUIPMENT IS INSTALLED ON AN ELEVATED PORTION OF THE FLOOR/GROUND, OR HOUSEKEEEPING 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. 4. 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. 5. 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 D99: 07/08/07

THREE, FOUR, FIVE, OR SIX-INCH FIBERGLASS RISER BENDS



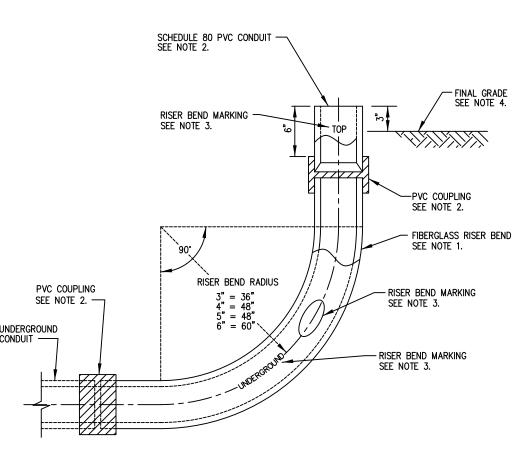
IS MEDIUM GRAY IN COLOR. THE TOP AND BOTTOM OF RISER IS FURNISHED WITH PVC COUPLINGS PERMANENTLY EPOXY BONDED TO THE FIBERGLASS BEND. A SCHEDULE 80 PVC SIX-INCH LONG STUB-OUT IS SOLVENT WELDED INTO THE TOP PVC COUPLING. THE TOP SCHEDULE 80 PVC STUB OUT OF BEND IS STENCILED "TOP", AND BOTTOM OF BEND IS STENCILED "UNDERGROUND." MANUFACTURERS NAME, SIZE, AND DATE (MONTH AND YEAR) WILL BE STENCILED ON THE CENTER OF THE RISER BEND. THE TOP SCHEDULE 80 PVC STUB OUT WILL BE PLACED THREE INCHES ABOVE FINAL GRADE. NO PORTION OF THE FIBERGLASS MATERIAL OF THE BEND WILL BE EXPOSED ABOVE THE FINISH GRADE.

SUPPLIERS:

13230 SATICOY STREET NORTH HOLLYWOOD, CA 91605

SOUTH EL MONTE, CA 91733 \* SAF-T-CO SUPPLY, INC. 1300 E. NORMANDY PLACE SANTA ANA, CA 92705

SEE UGS CD 166



1. THE RISER BEND IS AVAILABLE IN THREE, FOUR, FIVE OR SIX-INCH. THE MAIN BODY OF THE BEND IS MANUFACTURED FROM FIBERGLASS MATERIAL AND

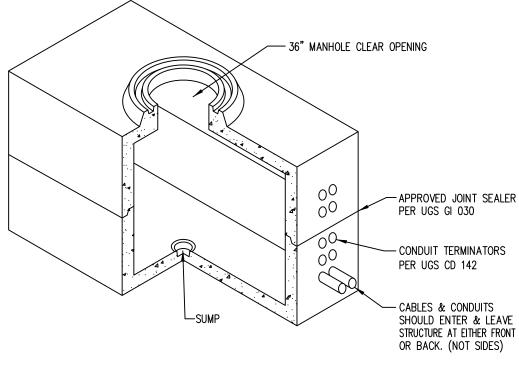
THE APPROVED MANUFACTURERS AND SUPPLIERS ARE: MANUFACTURERS: FREE CONDUIT, SMITH PRODUCT COMPANY, AND CHAMPION FIBERGLASS, INC.

\* ARMORCAST PRODUCTS COMPANY

\* CAL-DUCT, INC. 2522 LEE AVENUE

REF.: UGS CD 166

PRECAST TUB-TYPE MANHOLES SEE UGS MH 310



CONSULT MANFACTURER'S INSTALLATION GUIDES FOR EXACT EXCAVATION DIMENSIONS FOR EACH STRUCTURE SIZE.

		MANUFACTURER'S NUMBERS	
ITEM NUMBER	NOMINAL SIZE	JENSEN PRECAST	UTILITY VAULT CO.
M-1	4' x 6'-6" x 5'-6"'	K466-DM66-11	_
M-3	4' x 6'-6" x 7'	K466-DM84-11	ED466-84MH
M-10	5' x 10'-6" x 7'	K5106-FM84-11	ED5106-84MH
M-11	6' x 12' x 7'	K612-FM84-11	FD612-84MH

1. CONDUIT TERMINATORS TO BE GENERALLY LOCATED AS SHOWN ON UGS CD 142. STANDARD CONDUIT ENTRANCE SHALL BE A FLATWALL DESIGN. SLIGHT VARIATIONS BY MANUFACTURERS MAY BE ALLOWABLE WITH COMPANY APPROVAL. 2. TUB-TYPE STRUCTURES SHALL BE FURNISHED WITH 1/2" THREADED BRONZE GROUNDING INSERTS, AS SHOWN ON UGS VA 411.1. 3. INSIDE WALLS AND CEILING TO BE PAINTED WHITE.

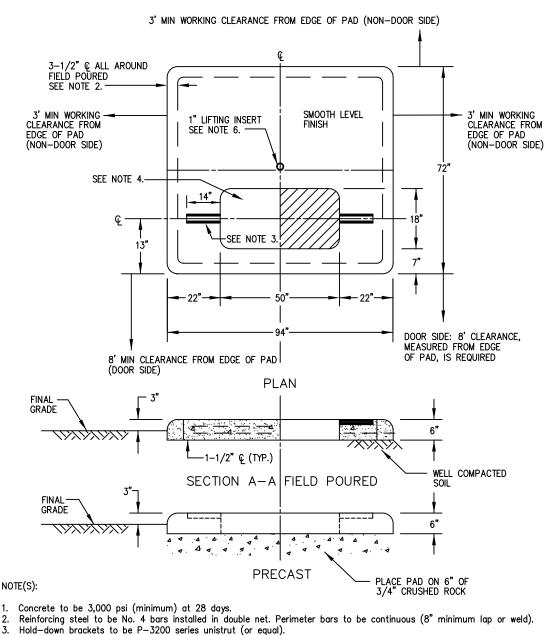
REF.:UGS GI 030 GENERAL SPECIFICATION FOR PRECAST STRUCTURES

UGS GI 035 ALLOWABLE TOLERANCES FOR INSTALLED PRECAST STRUCTURES UGS CD 142 CONDUIT ENTRANCE UGS MH 310 PRECAST TUB-STYLE MANHOLE UGS MH 318 PRECAST MANHOLE NECK DETAIL UGS AC 711 SUMP DRAIN AND DETAIL

UGS AC 740 LADDERS D102 Rev. 05/09/13

PAD FOR SURFACE-MOUNTED TRANSFORMER 72"x 94"

 $(3\phi - 75KVA THROUGH 500KVA)$ (WITH SWITCH AND FUSE) SEE UGS SS 504



construction is required from the contractor to the underground division of SCE.

1" lifting insert to be located at center of gravity on precast pads. See SS 500 for approved manufacturers. The three-phase transformer should only be used on a pad when four or fewer services are to be installed. A slab box should be used when more than four services will be installed. 9. Use a thin layer of redi-crete (or equivalent) for rodent and weed control or where transformer does not fully cover in pad opening.

5. See AC 701 for pad—mounted transformer/capacitor grounding requirements and AC 703 for approved grounding materials.

Primary cable must be installed in the unshaded area of the drawing above as far to the left as possible

D43: Rev. 03/14/17

PCI INSPECTOR: TYLER SCHLAPPI @ 909-357-6240 TYLER.M.SCHLAPPI@SCE.COM DIV INSPECTOR: FINAL DESIGN JOEL BETANCOURT @ 951-492-9979 UNDERGROUND SERVICE ALERT APPROVED FOR CONSTRUCTION 1-800-422-4133

DIAL 811

Call USA

For Underground Locating

INVENTORY MAP#'S 208-2187-1

