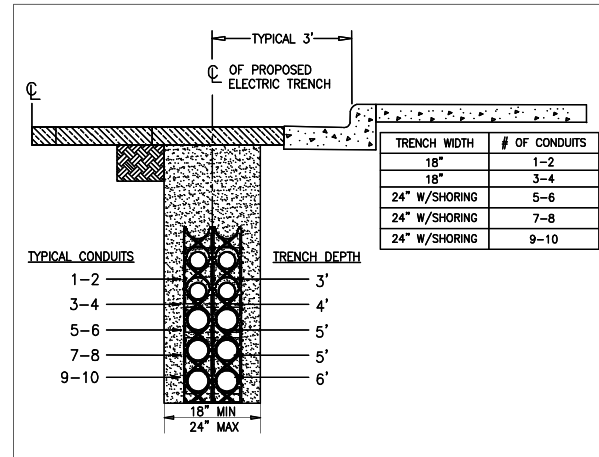


# RULE 20B\_R20-102\_FIRST STREET UG - T&C JOB

## NOTES

- CAUTION: ELECTRIC STAND-BY LINEMAN REQUIRED FOR ALL WORK AROUND ENERGIZED FACILITIES.
- COORDINATE IN CONJUNCTION WITH:  
FR\_R20\_FIRST STREET UNDERGROUNDING\_UG\_3-549430 - CP JN# 300000549430  
FR\_R20\_FIRST STREET UNDERGROUNDING\_UG\_3-583618 - C&C JN# 300000583618  
FR\_R20\_FIRST STREET UNDERGROUNDING\_UG\_3-583617 - OH RFS JN# 300000583617
- CLOUDED AREAS IDENTIFY POINT OF INTERCEPT/RE-ROUTE OF EXISTING UNDERGROUND FACILITIES. ALL EXISTING ENERGIZED CONDUIT TO BE IDENTIFIED AND ALIGNED WITH NEW CONDUIT STUB FOR FUTURE INTERCEPTS.
- ALL NEW UG SERVICE CABLE IS ON THE CONVERSION SERVICE WORKSHEET AND WILL BE INSTALLED AT A FUTURE DATE.
- ALL SERVICE CONDUITS FOR COMMUNICATION COMPANIES TO BE INSTALLED ON THE T&C JOB AS REQUIRED PER JOINT TRENCH AGREEMENT.
- 3309 SECONDARY HANDHOLES ARE NOT TO BE INSTALLED IN ANY DRIVEN WAY PER UG STANDARDS PG 3309.2, AND IF POSSIBLE SHOULD BE INSTALLED A 5' MINIMUM FROM A DRIVEN WAY.
- T-TRENCH CONSTRUCTION PER REGIONAL STANDARDS WHEN REQUIRED BY MUNICIPALITY.
- A 4' ADA PATH OF TRAVEL WILL BE MAINTAINED WHERE FIELD CONDITIONS ALLOWED IT. PER CALIFORNIA BUILDING CODE 11B-40.5.1 EXCEPTION 3, THE ADA 4' PATH CAN BE REDUCED TO 3' DUE TO (R.O.W RESTRICTIONS, NATURAL BARRIERS, OR OTHER EXISTING CONDITIONS).
- ALL SURFACES (STANDARD, NON-STANDARD, LANDSCAPE) OR AREAS WITHIN THE ROW BEING DISTURBED SHOULD BE RESTORED TO EXISTING CONDITION AND PER CITY STANDARDS TO THE SATISFACTION OF THE RESIDENT ENGINEER (RE).
- ENSURE A 12" MINIMUM VERTICAL SEPARATION BETWEEN NEW ELECTRIC CONDUIT AND EXISTING UTILITY CONDUIT WHEN CROSSING.
- 5' MINIMUM SEPARATION FROM TREE BASE WILL BE MAINTAINED UNLESS OTHERWISE NOTED.
- 3' MINIMUM SEPARATION WILL BE MAINTAINED FROM CENTERLINE OF TRENCH TO CURB FACE UNLESS OTHERWISE NOTED ON TYPICAL STREET SECTIONS DETAILS.
- 3' HORIZONTAL SEPARATION TO ALL FOREIGN UTILITY VALVES WILL BE MAINTAINED.
- 5' HORIZONTAL CENTERLINE OF NEW ELECTRIC TRENCH TO CENTERLINE OF EXISTING UTILITY TRENCH, WITH A SEPARATION OF 3' OF UNDISTURBED SOIL WILL BE STRIVEN FOR AS A MINIMUM. IF FIELD CONDITIONS WILL NOT PERMIT THESE SEPARATIONS, SDG&E STANDARDS PAGE 3370.5 ALLOWS A REDUCTION TO A 1' MINIMUM SEPARATION BETWEEN NEW ELECTRIC CONDUIT TO EXISTING UTILITY CONDUIT, WHEN THE SDG&E DESIGNER/PLANNER & SDG&E TRENCH INSPECTION AGREE.
- 1' HORIZONTAL SEPARATION TO OTHER TELECOM AND GAS UTILITIES WILL BE MAINTAINED FOR ELECTRIC SERVICES.
- SDG&E CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL SURVEY MONUMENTS THAT ARE DISTURBED BY SDG&E'S CONSTRUCTION CREW.
- ALL NEW TRENCH POSITIONS DIMENSIONS ARE APPROXIMATE. THEY WILL BE MARKED OUT AND FIELD VERIFIED BEFORE CONSTRUCTION.
- CPUC GENERAL ORDERS AND SDG&E CONSTRUCTION STANDARDS WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK) AND CITY OF SAN DIEGO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (WHITEBOOK) ARE FOLLOWED ON THE CONSTRUCTION OF THE PROJECT.
- ALL RETAINING WALLS THAT EXCEED 3' IN ABOVE GRADE HEIGHT WILL REQUIRED A CIVIL ENGINEERING DRAWING, APPROVAL AND STAMP.
- WHEN LOCATING PAD MOUNTED EQUIPMENT NEAR ALL STREET INTERSECTIONS & DRIVEWAYS A PROPER "LINE OF SIGHT" CHECK WILL BE DETERMINED PER SDG&E SIGHT DISTANCE REQUIREMENTS (DM5236.1), WHICH IS ALSO REQUIRED PER SAN DIEGO MUNICIPAL CODE.
- ANY EXISTING SIDEWALK, LANDSCAPE & SIGNAGE THAT ARE REMOVED ARE TO BE REPLACED IN-KIND.
- ALL COMMERCIAL INTERCEPT LOCATIONS TO BE WORKED ON DOUBLE TIME, ON THE CABLE JOB.
- FINAL STREET REPAIR OF ALL INTERCEPT LOCATIONS ARE THE RESPONSIBILITY OF CABLE JOB CREW.

## SDG&E STANDARD TRENCH DETAIL NOT TO SCALE



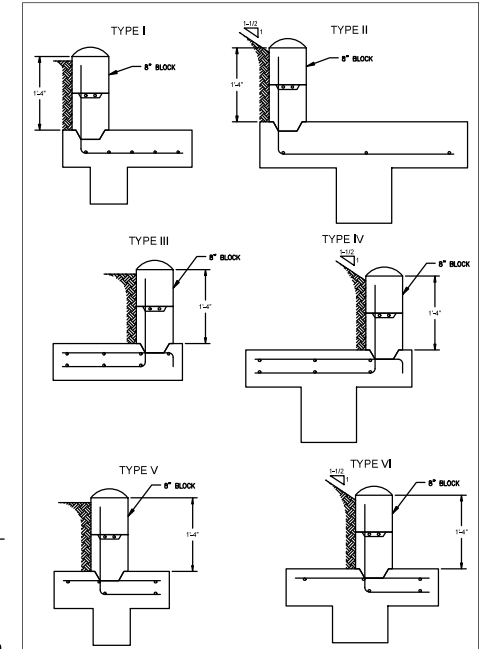
## LEGEND

- | POLES                                     | OVERHEAD                                       |
|---|--|
| ● POLE (EXISTING)                         | ---> ANCHOR (EXISTING)                         |
| ○ POLE (NEW)                              | → ANCHOR (NEW)                                 |
| ● FOREIGN UTILITY POLE (EXISTING)         | ==> ANCHOR WITH MULTIPLE GUYS (EXISTING)       |
| ○ FOREIGN UTILITY POLE (NEW)              | ==> ANCHOR WITH MULTIPLE GUYS (NEW)            |
| ■ STUB POLE (EXISTING)                    | --->>> HEADGUY(S)/ARMGUY(S), PTG(S) (EXISTING) |
| □ STUB POLE (NEW)                         | --->>> HEADGUY(S)/ARMGUY(S), PTG(S) (NEW)      |
| △ SINGLE PHASE TRANSFORMER (NEW POLE)     |  |
| △ THREE PHASE TRANSFORMER (EXISTING POLE) |  |
| △ CAPACITOR STATION (EXISTING POLE)       |  |
| ● CABLE POLE (EXISTING)                   | ⊕ GANG OPERATED SWITCH (CLOSED)                |
| ○ CABLE POLE (NEW)                        | ⊕ HOOKSTICK SWITCH (CLOSED)                    |

## UNDERGROUND

- | PAD-MOUNTED EQUIPMENT       | SUBSTRUCTURES | MISCELLANEOUS                |
|-----------------------------|---------------|------------------------------|
| ⌋ FUSE CABINET              | □ 3309 & 3312 | ⊙ CUSTOMER GENERATION        |
| ⌋ CAPACITOR                 | □ 3313        | ⊙ STREET LIGHT SERVICE POINT |
| ⌋ SERVICE RESTORER          | □ 3314        | ■ METER                      |
| ⌋ 3410 & 3416 - TERMINATOR  | □ 3315        | □ PULL-CAN                   |
| ⌋ 3417 - TERMINATOR         | □ 3316        | ■ CONDUIT STUB               |
| ⌋ 3421 - 10 TRANSFORMER     | □ MANHOLE     | ⊙ STREET LIGHT               |
| ⌋ 3425 - 30 TRANSFORMER     |               | ⊙ FIRE HYDRANT               |
| ⌋ METER PEDESTAL (EXISTING) |               | • BARRIER POST               |
| ⌋ METER PEDESTAL (NEW)      |               | ⊙ SCADA ANTENNA              |
| ⌋ PRIMARY METERING          |               |                              |
- 
- | PAD-MOUNTED SWITCHES |                |
|----------------------|----------------|
| ⌋ PME-9              | ⌋ PME-10       |
| ⌋ 4-WAY TRAYER       | ⌋ 5-WAY TRAYER |
|                      | ⌋ PME-11       |
|                      | ⌋ 6-WAY TRAYER |

## RETAINING WALLS NOT TO SCALE



## UTILITY LINE TYPES

- |     |                           |
|-----|---------------------------|
| --- | NEW ELECTRIC/FACILITIES   |
| --- | EX. ELECTRIC/FACILITIES   |
| --- | EX. ELECTRIC TRANSMISSION |
| --- | CONVERSION BOUNDARY       |
| --- | EX. UG CABLE TV           |
| --- | EX. UG TELCO/TELECOM      |
| --- | EX. UG SDGE FIBER OPTIC   |
| --- | EX. GAS                   |
| --- | EX. FUEL LINE             |
| --- | EX. SEWER                 |
| --- | EX. WATER                 |
| --- | EX. RECLAIMED WATER       |
| --- | EX. STORM DRAIN           |
| --- | RIGHT OF WAY/PROP. LINE   |
| --- | EX. FENCE                 |
| +   | TRAIN/TROLLEY TRACKS      |

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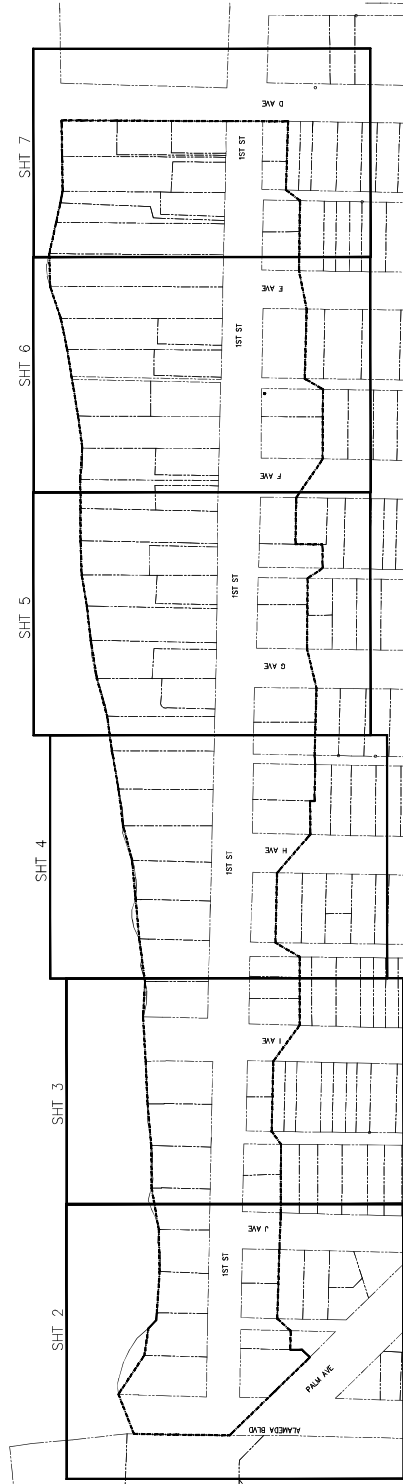
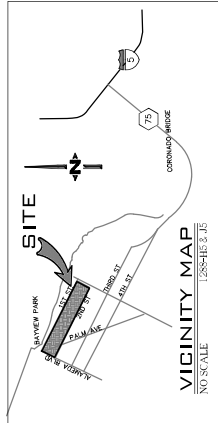


Call 811: Two Working  
Days Before You Dig!

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<b>SDGE</b> San Diego Gas & Electric Design & Project Management PROJECT MGR/PLANNER NAME & PHONE: JONAS JOHNSON (843) 694-4054 DESIGNED BY: GONZALO ROMERO REVIEWED BY: REVIEWER	PROJECT NOTIFICATION # 300000087151
	JOB NOTIFICATION # 300000241850
	DATE: 10/18/2024
	SHEET TC01
	FOO #
	SHT 1 OF 9

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- ✓ MAINTAIN A MINIMUM OF 3" SEPARATION WHEN PARALLELING UT UTILITIES AND 6" WHEN CROSSING.
- ✓ CLOUDED AREAS IDENTIFY POINT OF INTERCEPT/RE-ROUTE OF EXISTING UNDERGROUND UTILITIES.
- ✓ ALL NEW SERVICE LOCATIONS SHALL BE IDENTIFIED AND ADOPTED WITH NEW CONDUIT STUD FOR FUTURE INTERCEPTS ON CABLE JOB W/UT.
- ✓ ALL COMMERCIAL INTERCEPT LOCATIONS TO BE WORKED ON DOUBLE LINE.
- ✓ FINAL STREET REPAIR OF ALL INTERCEPTS RESPONSIBILITY OF CABLE CREW.
- ✓ CAUTION: ELECTRIC STAND BY LINEMAN REQUIRED FOR ALL WORK AROUND ENERGIZED FACILITIES.
- ✓ ALL CROSSED OFF LOCATION BOXES ON THIS JOB HAVE BEEN OMITTED.
- ✓ ALL SERVICE CONDUITS FOR COMMUNICATION COMPANIES TO BE INSTALLED ON THIS JOB AS REQUIRED PER JOINT TRENCH AGREEMENT.
- ✓ ALL NEW UT SERVICE CABLE IS ON THE CONVERSION SERVICE WORKSHEET AND WILL BE INSTALLED AT A FUTURE DATE.
- ✓ EXISTING OR ELECTRIC SERVICES WITHIN CONVERSION BOUNDARY TO BE REMOVED ON THIS WORK ORDER.
- ✓ REMOVE ALL ELECTRIC DISTRIBUTION W/IN CONVERSION BOUNDARY UNLESS OTHERWISE NOTED.
- ✓ ALL PRIVATE PROPERTY PANEL, WORK, SERVICE TRENCHING AND CONDUIT INSTALLATION ARE THE RESPONSIBILITY OF THE CITY OF SAN DIEGO. ALL QUESTIONS RELATED TO PRIVATE PROPERTY WORK SHOULD BE DIRECTED TO THE CITY OF SAN DIEGO, (619) 533-3841, UNDERGROUND@SANDIEGO.COV
- ✓ 3309 SECONDARY HANDHOLES ARE NOT TO BE INSTALLED IN ANY DRYEN WAY PER UT STANDARDS PG 33.09.2, AND IF POSSIBLE SHOULD BE INSTALLED AT A 5' MINIMUM FROM A DRYEN WAY
- ✓ TRENCH CONSTRUCTION PER REGIONAL STANDARDS WHEN REQUIRED BY MUNICIPALITY.
- ✓ TRENCH TO BACK OF SIDEWALK FOR ALL SERVICE TRENCHES, UNLESS LANDSCAPING IS EASILY REPAIRABLE (LEVEL DIRT OF GRASS), THEN TRENCH TO PROPERTY LINE. SERVICE STUDS ARE TO BE SLURRY ENCASED. EXCEPT THE FINAL APPROXIMATE ONE FOOT OF CONDUIT AT THE CONDUIT PLUG/STUD MARK, WHICH WILL BE DIRECT BURRED IN PREPARATION FOR THE SERVICE TRENCH EXTENSION.
- ✓ ALL QUESTIONS RELATED TO SEEZ TRENCH SHOULD BE DIRECTED TO THE APPROPRIATE LANSON PLANNER.


NAME \_\_\_\_\_ PHONE \_\_\_\_\_

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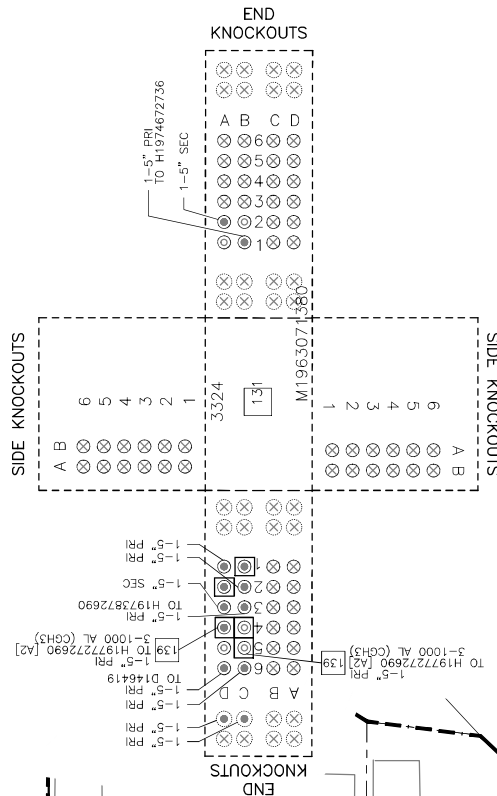
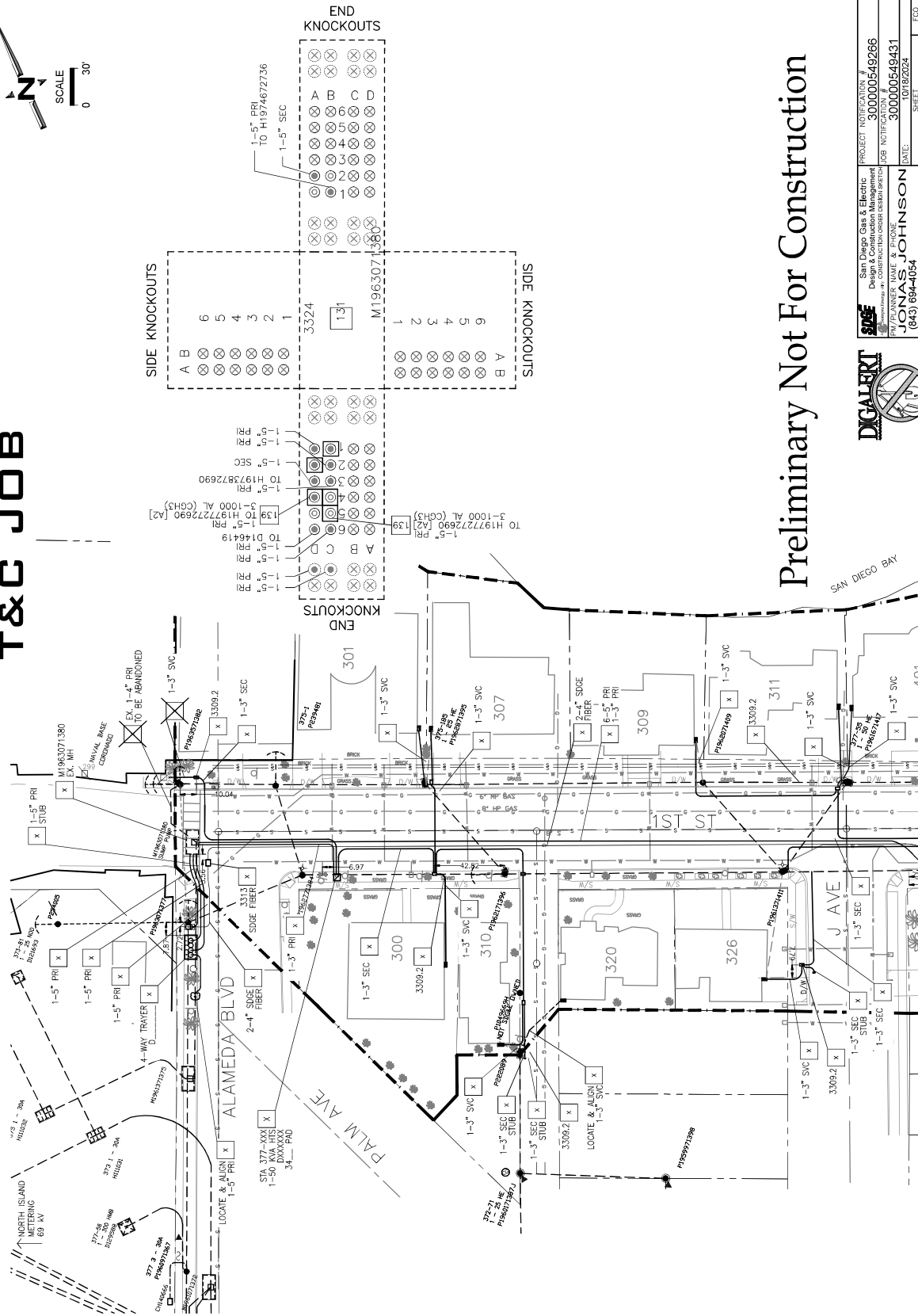
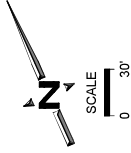
## 189 LOCATIONS



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 <b>SAGE</b> San Diego Gas & Electric 3500 La Jolla Village Drive San Diego, CA 92161 (619) 594-5900 FAX (619) 594-5901 www.sage.sdge.com	PROJECT: NOTIFICATION # <b>3000005549286</b> JOB: NOTIFICATION # <b>3000005549431</b> DATE: <b>10/18/2024</b>		TCO2 SHT 2 of 9 ##
	DESIGNED BY: <b>GONZALO ROMERO</b> REVIEWED BY: <b>REVIEWER NAME</b>		

# RULE 20B\_R20-102\_FIRST STREET UNDERGROUNDING T&C JOB



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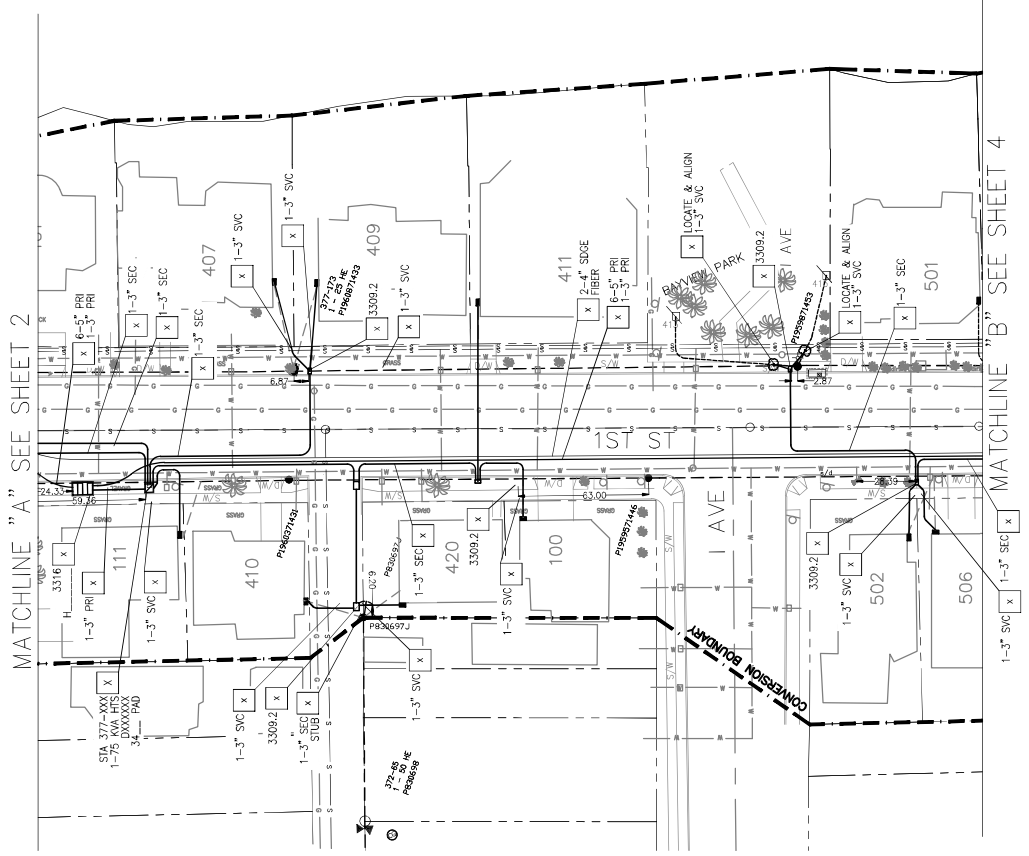
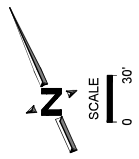
<b>San Diego Gas &amp; Electric</b> Design & Construction Management 1000 La Jolla Village Drive, Suite 100 La Jolla, CA 92037 (619) 594-4054	<b>PROJECT NOTIFICATION #</b> 300000549266
<b>DESIGNED BY:</b> JONAS JOHNSON (843) 894-4054	<b>JOB NOTIFICATION #</b> 300000549431
<b>DATE:</b> 10/18/2024	<b>DATE:</b> 10/18/2024
<b>REVIEWER NAME:</b> GONZALO ROMERO	<b>SHEET #</b> TC03
<b>REVIEWER NAME:</b> GONZALO ROMERO	<b>SHEET #</b> TC03

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MATCHLINE "A" SEE SHEET 3

# RULE 20B\_R20-102\_FIRST STREET UNDERGROUNDING T&C JOB

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<b>PROJECT NOTIFICATION #</b> 300000549266	<b>PROJECT NOTIFICATION #</b> 300000549431
<b>DATE:</b> 10/18/2024	<b>DATE:</b> 10/18/2024
<b>DESIGNED BY:</b> GONZALO ROMERO	<b>DESIGNED BY:</b> GONZALO ROMERO
<b>REVIEWED BY:</b> GONZALO ROMERO	<b>REVIEWED BY:</b> GONZALO ROMERO
<b>PROJECT NAME &amp; PHONE</b> San Diego Gas & Electric Design & Construction Management 1605 La Jolla Village Drive, Suite 100 San Diego, CA 92161 (619) 594-4064	<b>PROJECT NAME &amp; PHONE</b> San Diego Gas & Electric Design & Construction Management 1605 La Jolla Village Drive, Suite 100 San Diego, CA 92161 (619) 594-4064

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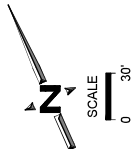
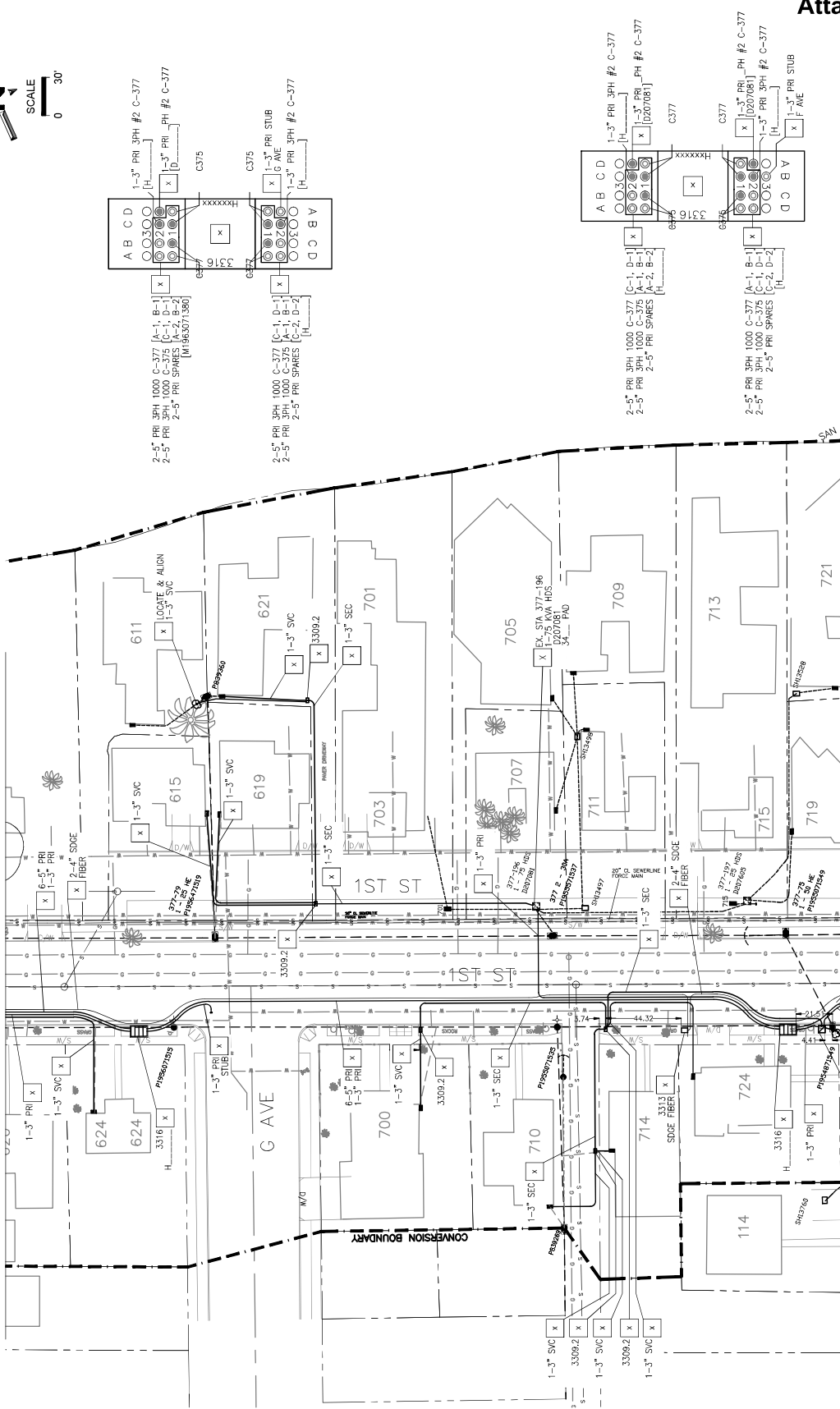
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<b>SPS</b> San Diego Gas & Electric Department: GAS/PLUMBING Division: GAS/PLUMBING District: SAN DIEGO Project: 843-894-1054	PROJECT NOTIFICATION #		300000549266
	JOB NOTIFICATION #		300000549431
DATE:		10/18/2024	
JONAS JOHNSON (843) 894-1054 ASSIGNED TO		TC05 SHEET OF 5	
GONZALO ROMERO REVIEWED BY		TC05 SHEET OF 5	

# RULE 20B\_R20-102\_FIRST STREET UNDERGROUNDING T&C JOB

MATCHLINE "A" SEE SHEET 4



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**San Diego Gas & Electric**  
Design/Construction  
JONAS JOHNSON  
(843) 684-0054

**San Diego Gas & Electric**  
Design/Construction  
JONAS JOHNSON  
(843) 684-0054

PROJECT NOTIFICATION # 300000549286  
JOB NOTIFICATION # 300000549431  
DATE: 10/18/2024

DESIGNED BY: JONAS JOHNSON  
DRAWN BY: ALO ROMERO

REVIEWER NAME: ALO ROMERO

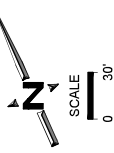
SHEET #8 OF 9

TC06

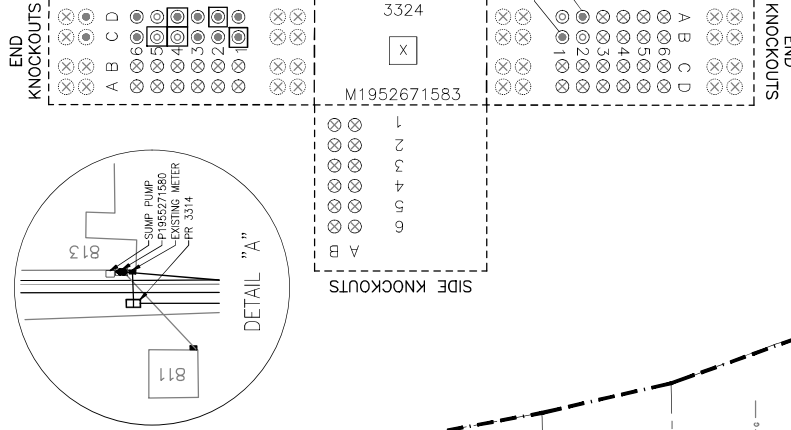
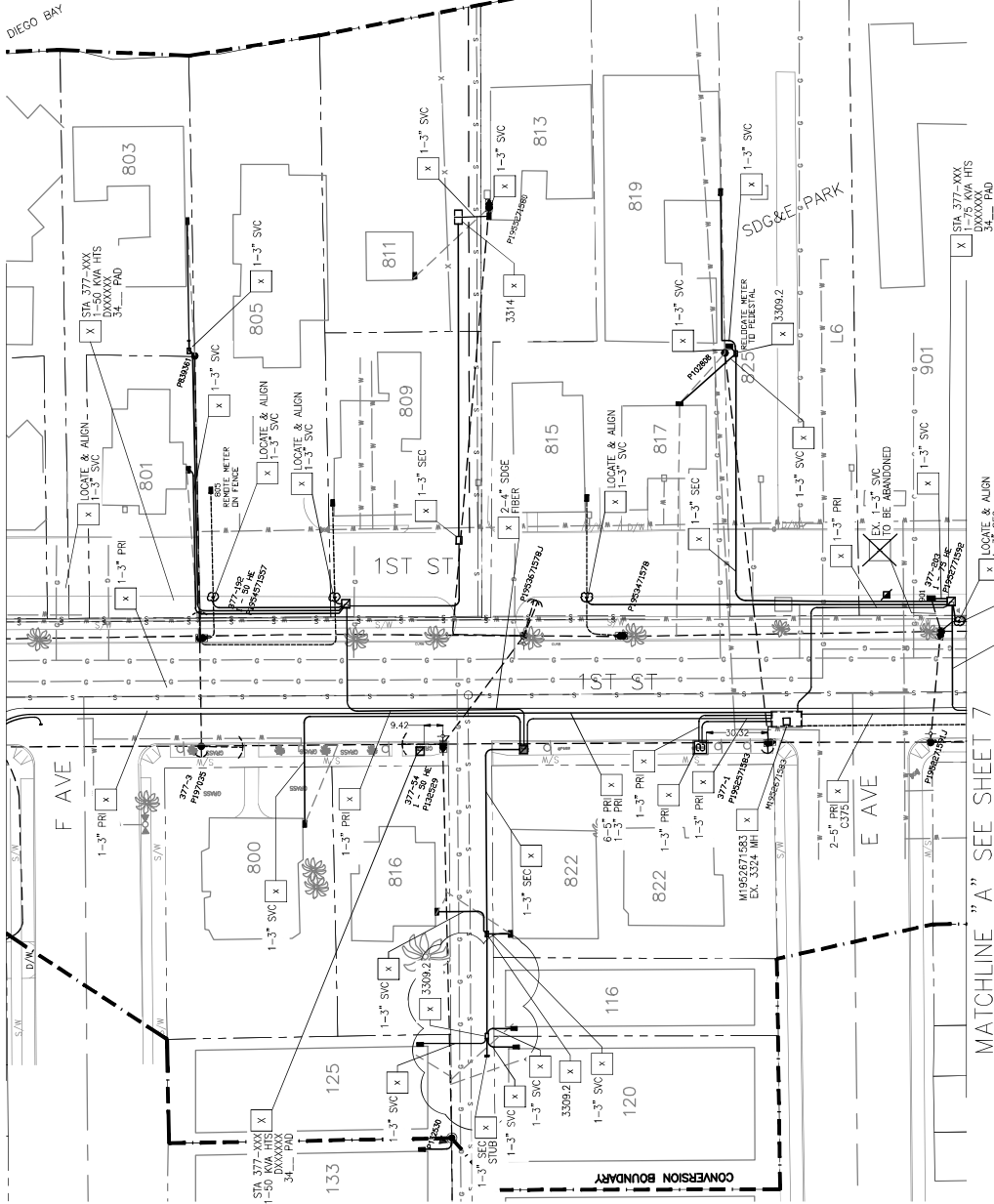
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# RULE 20B\_R20-102\_FIRST STREET UNDERGROUNDING T&C JOB



MATCHLINE "B" SEE SHEET 5



PROJECT NOTIFICATION #	300000549266
DESIGNER	JONAS JOHNSON
DATE	10/18/2024
DESIGNED BY	ALLO ROMERO
REVIEWER NAME	TC07
SHEET	10182024
FCO	##
SFT	7 OF 9

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MATCHLINE "A" SEE SHEET 6



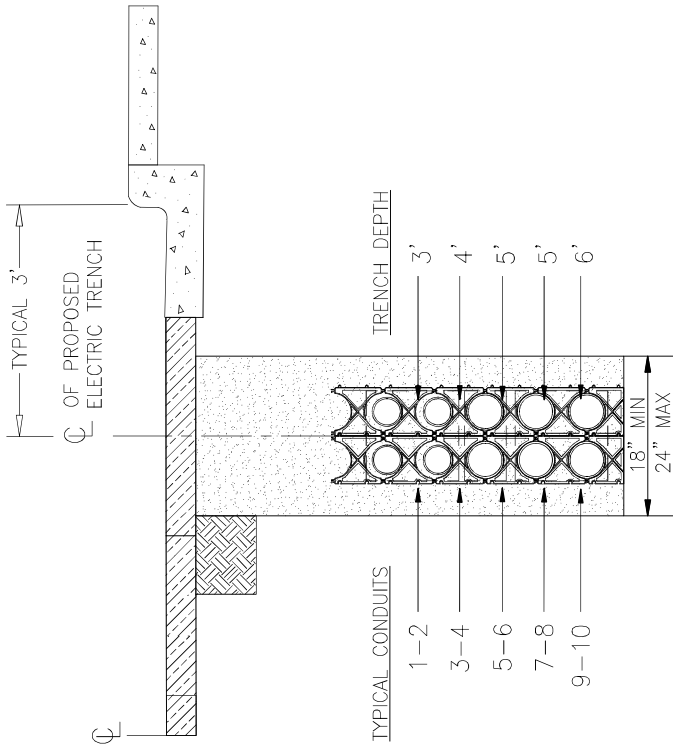
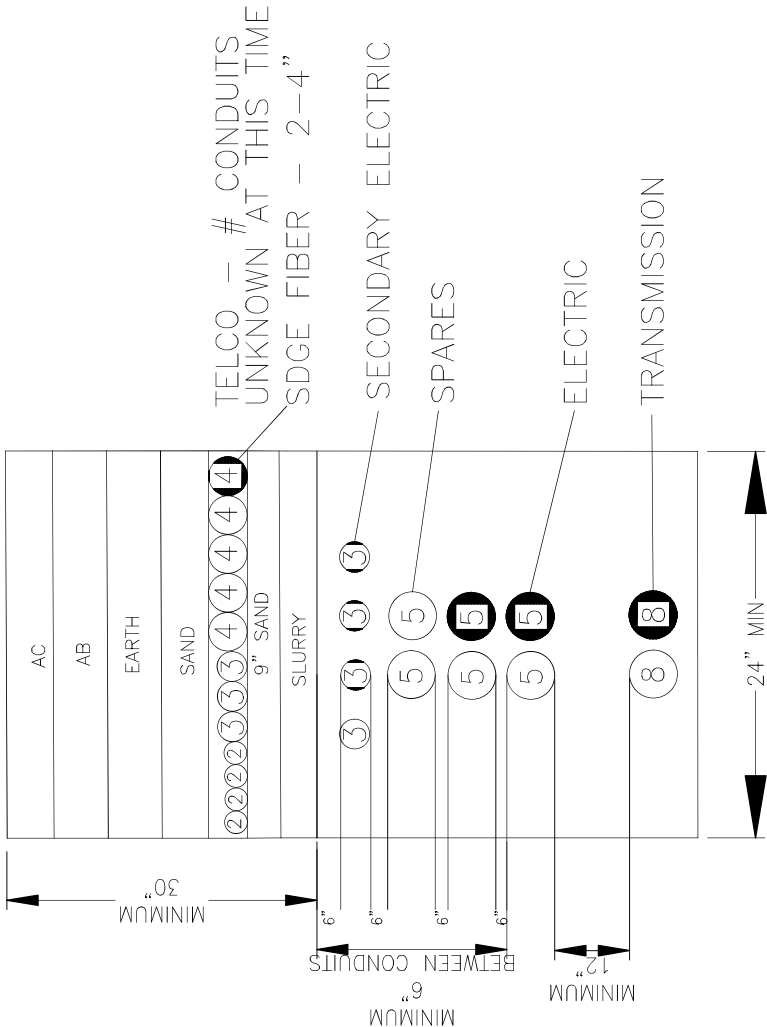
Call 811: Two Working Days Before You Dig!

<b>SDGE</b>	San Diego Gas & Electric	PROJECT / NOTIFICATION #	3000005049266
	Design & Construction Management Engineering & Construction Services	JOB / NOTIFICATION #	3000005049431
JOHNSON, NAME & PHONE <b>JONAS JOHNSON</b> (843) 684-4054		DATE:	10/19/2024
DESIGNED BY:	<b>GONZALO ROMERO</b>	SHEET	FCO
REVIEWED BY:	<b>REVIEWER NAME</b>	<b>## TC08</b> SHT. # OF 9	



# RULE 20B\_R20-102\_FIRST STREET UNDERGROUNDING T&C JOB

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SDG&E STANDARD TRENCH DETAIL  
NOT TO SCALE

- \* CONDUITS SET-UP COULD DEVIATE DUE TO: CONSTRUCTION CREW, TRENCH INSPECTOR OR FIELD CONDITIONS.
- \* TRENCH DEPTH & WIDTH WILL DEPEND ON WATER TABLE REPORT.



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Days Before You Dig!

PROJECT NOTIFICATION # 300000549286	PROJECT NOTIFICATION # 300000549286
JOB NOTIFICATION # 300000549431	JOB NOTIFICATION # 300000549431
DATE: 10/17/2024	DATE: 10/17/2024
DESIGNED BY: GONZALO ROMERO	DESIGNED BY: GONZALO ROMERO
REVIEWER NAME: JONAS JOHNSON	REVIEWER NAME: JONAS JOHNSON
TC09	TC09
SHEET 9 OF 9	SHEET 9 OF 9