

Golden Empire Affordable Housing, Inc.

City View

IFB #: 200-90

Trade: Dry Utilities

IFB Deadline: December 30, 2025.

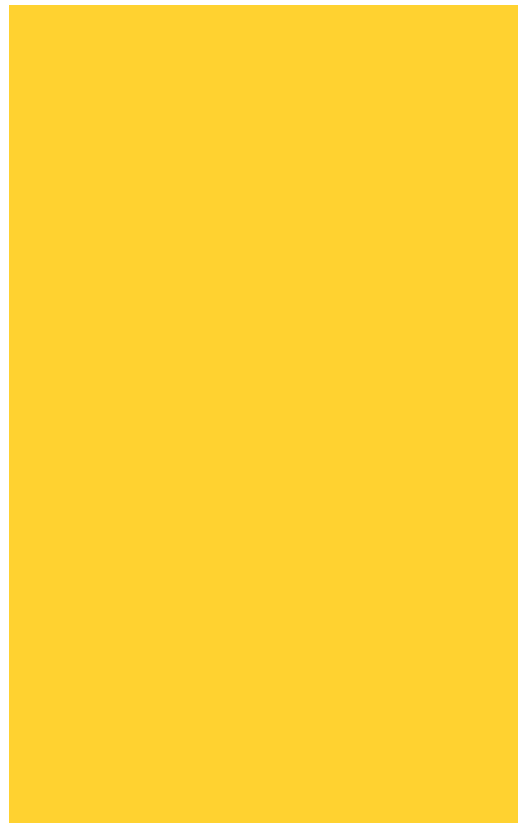
The development is located at: 3403 Bernard Street Bakersfield Ca. .

To view plans go to: <https://geahi.org/procurement-opportunities>

IFB INSTRUCTIONS



- **Thoroughly review all specifications, the scope of work, site plans, and all other documents in the bid packet.**
- **Complete the specification and scope of work. Please note, using your own form instead of using the provided forms will result in an automatic disqualification.**
- **Any questions must be submitted via email to procurement@geahi.org no later than 3 business days before the bid deadline.**
- **Sign, date, and initial all places where indicated.**
- **All bid submissions need to be submitted to procurement@geahi.org. If bid is emailed to staff, it will not be considered.**
- **Bid packets need to be complete and include the following;**
 - **Scope of Work/Specification - filled out and signed**
 - **Completed Vendor Information Sheet**
 - **Complete and signed W-9**
- **This project is NOT prevailing wage.**



GOLDEN EMPIRE AFFORDABLE HOUSING, INC
601 24TH STREET, SUITE B
BAKERSFIELD, CA 93301
OFFICE 661.633.1533 | FAX 661.633.1617

SCOPE OF WORK

PROJECT: CITYVIEW

DATE: _____

SUBCONTRACTOR: _____

EMAIL: _____

TRADE: DRY UTILITY

LICENSE#: _____

Reference to Subcontractor shall mean **Dry Utility Subcontractor** and reference to Owner shall mean **GEAHI Inc.** Subcontractor shall furnish all labor and equipment to perform the operations necessary to complete all Utility Trenching and Tie-Ins as indicated on the Contract Documents and specified herein, including but not limited to the following:

CONTRACT WILL INCLUDE:

1. Subcontractor shall include all necessary material, labor, and equipment to complete all dry utilities per the approved PG&E plans. Including join trench with Spectrum & AT&T.
2. Subcontractor will trench and install substructures. PG&E will pull wire, install transformers, wire, and install meters.
3. All PG&E conduits to be man drilled and include pull rope for compliance.
4. Subcontractor shall coordinate all inspections with PG&E /Spectrum/AT&T.
5. Transformers will be provided by PG&E.
6. Electric Service Completions: including wire, splicing at secondary box and termination at meter panel with approved PG&E scale kit, excluding meter panel and foundation riser.
7. Subcontractor shall trench and place conduits as per plan for AT&T and spectrum.
8. Include Sand for shading after pg&e conduit inspection.
9. Subcontractor shall coordinate with PG&E all transformer, splice box, cable pedestals, installations.
10. All conduits to be man drilled and include pull rope.
11. **NO GAS ONSITE.**
12. Trenching Service Completions: includes trench, backfilling, shading and utility coordination.
13. **Parking Area:** (Allow separate mobilization)
14. Trench and place 1" electrical conduits for EV and Streetlights. Refer to electrical plans for details.
15. Trench and place two 1" conduits for pedestrian gates and vehicle entrance/exit gates. Keypad pedestal and motors.
16. Onsite: Furnish and install all streetlights. Including all wiring per plan.
17. Surveying provided by Owner
18. Third party inspections provided by owner

DRY UTILITY TRENCHING AND TIE IN

1. GENERAL:

1. Subcontractor is responsible to check **CONTRACT AND APPROVED PLANS** signed by Owner for any changes before construction.
2. Subcontractor shall schedule USA before digging.
3. Subcontractor shall secure open trenches with cones and caution tape daily.
4. Owner will be responsible for Street permit.
5. Subcontractor shall not backfill until inspections have passed.
6. Subcontractor shall Warranty all work for 1 year minimum.
7. Compaction testing by Owner.
8. **NO GAS ONSITE.**
9. Trenching Service Completions: includes trench, backfilling, shading and utility coordination.
10. NO temp power Onsite.

2. WORKMANSHIP:

- A. Workmanship shall follow all requirements of local, state, and federal codes and manufacturers specifications whether specifically mentioned in these specifications or not, at no additional cost to Owner.
- B. All workmanship shall meet the standard of good practice acceptable within the industry.
- C. Contractor will not deviate from the plan, in any way, without prior written approval by Owners. This includes but is not limited to all structural and design elements.

3. CLEAN UP:

- A. Subcontractor shall clean- up and dispose daily all debris, waste material, rubbish, etc to designated bins or as directed to by job site superintendent. The site shall be left in a neat and clean condition acceptable to Owner. Subcontractor is responsible to sweep when completed and or as directed by job site superintendent.

TOTAL PRICE PER PLAN: (Price includes all tax, labor, material, and delivery)

	Price
total	\$

PAYMENT SCHEDULE: (Refer to Contract Article 5 “Progress Payments”)

Subcontractor

Date _____

GEAHI

Date

VENDOR INFORMATION SHEET

Date: _____ Prepared By: _____

Official Business Name: _____

DBA: _____

Location Address: _____
Street City State Zip

Remit Address: _____
Street City State Zip

Contact Person: _____ Title: _____

Phone #: _____ Accts. Receivable Phone #: _____

Fax #: _____ Customer Service Phone #: _____

E-mail Address: _____

Federal ID # or SS#: _____ Contractor Lic #: _____

Business Lic #: _____ City License Issued: _____

General Liability Insurance Carrier & Policy #: _____

Auto Liability Insurance Carrier & Policy #: _____

Workers Compensation Insurance Carrier & Policy #: _____

FEDERAL TAX CLASSIFICATION:

☐ Individual/Sole Proprietor ☐ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/Estate

☐ Limited Liability Co. ☐ Other: _____

SBA CLASSIFICATION:

It is the policy of Golden Empire Affordable Housing, Inc. II, consistent with Federal, State and local laws, to promote and encourage the development, participation, and continued expansion of Small Business Enterprises, Minority Business Enterprises, Women's Business Enterprises and Veteran Business Enterprises.

☐ Minority-Owned ☐ Small Business ☐ Veteran-Owned ☐ Woman-Owned

Years in Business: _____ Accept Purchase Orders: ☐ Yes ☐ No

If your business has a Social Security number as Tax ID, we require the signature of the owner.

Authorized Signature: _____ Print Name: _____

Title: _____ Date: _____

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

► Go to www.irs.gov/FormW9 for instructions and the latest information.

Print or type. See Specific Instructions on page 3.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ► _____ Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) ► _____	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i>
	5 Address (number, street, and apt. or suite no.) See instructions.	Requester's name and address (optional)
	6 City, state, and ZIP code	
	7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number									
				-				-	
or									
Employer identification number									
				-					

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person ►	Date ►
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

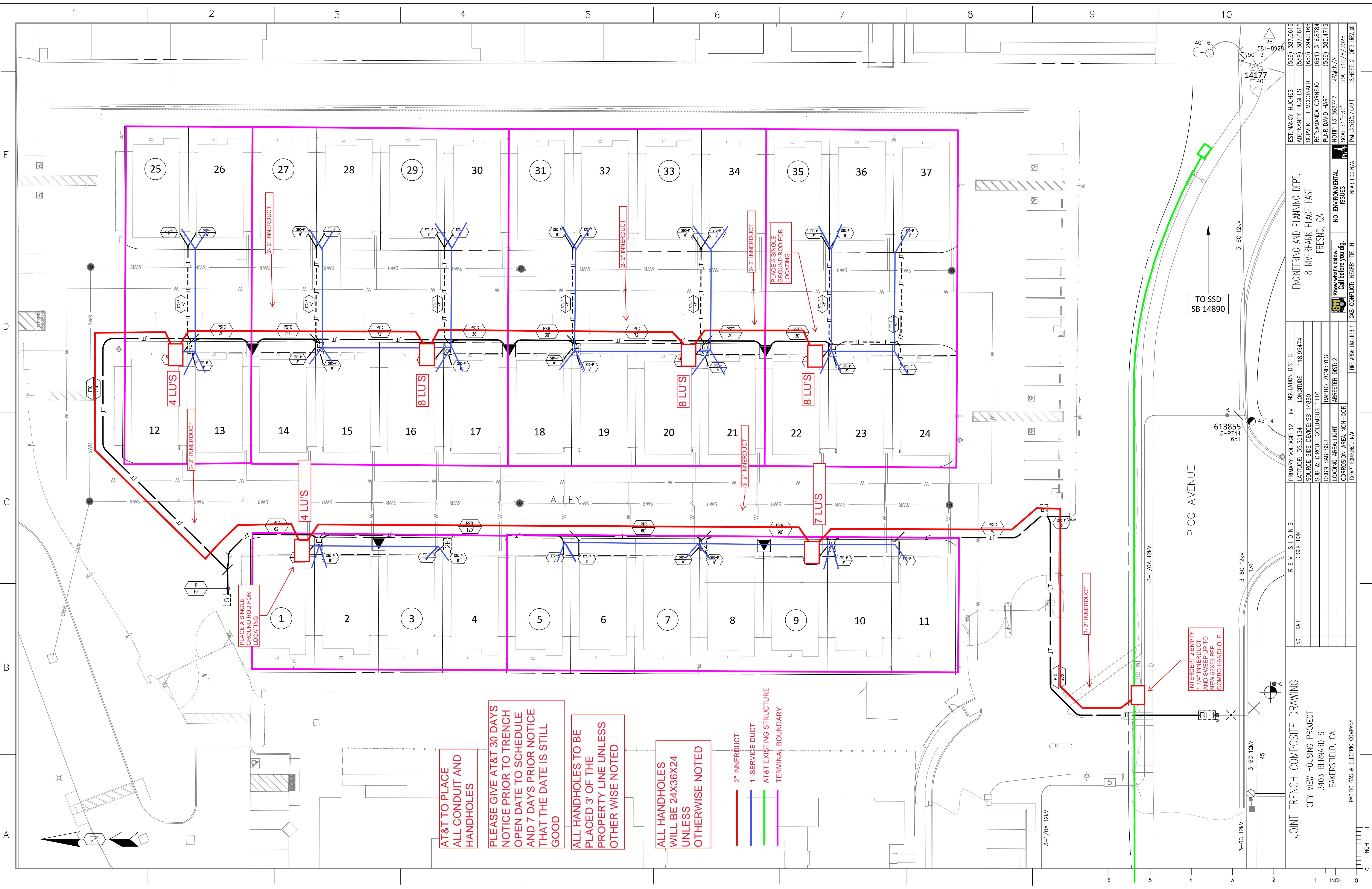
An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

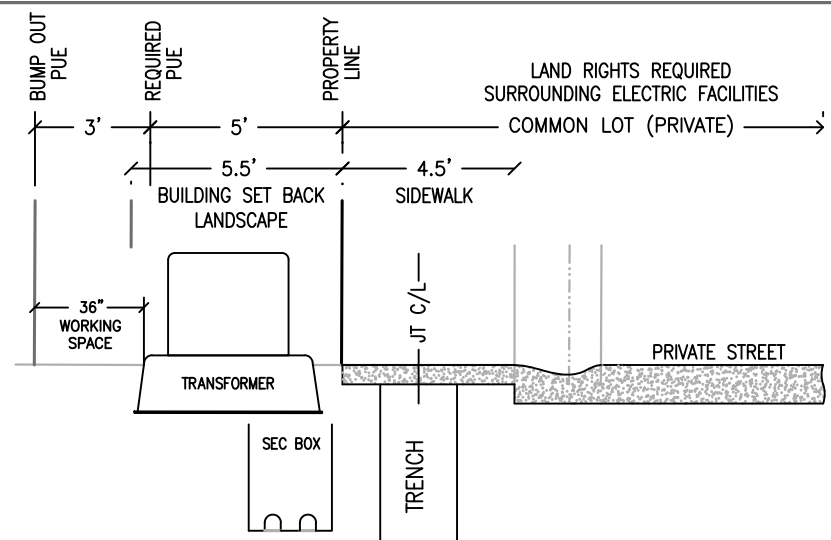
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

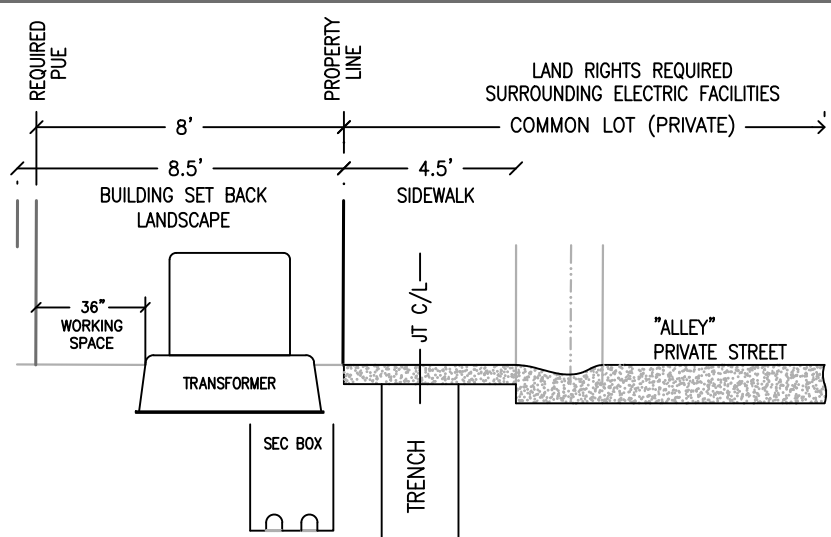
If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.



TRENCH AND EQUIPMENT: STREET PATTERN - 30' STREET



TRENCH AND EQUIPMENT: STREET PATTERN - 21' ALLEY STREET



CABLE PULLING CALCULATION:

LOCATION 2 3W		LOCATION 10 3W	
ESTIMATED TENSION	303 LBS	ESTIMATED TENSION	366 LBS
MAXIMUM TENSION	2,018 LBS	MAXIMUM TENSION	2,018 LBS
ACTUAL TENSION		ACTUAL TENSION	

LOCATION 4 3W		LOCATION 12 2W	
ESTIMATED TENSION	207 LBS	ESTIMATED TENSION	101 LBS
MAXIMUM TENSION	2,018 LBS	MAXIMUM TENSION	2,018 LBS
ACTUAL TENSION		ACTUAL TENSION	

LOCATION 6 3W		LOCATION 14 2W	
ESTIMATED TENSION	286 LBS	ESTIMATED TENSION	101 LBS
MAXIMUM TENSION	2,018 LBS	MAXIMUM TENSION	2,018 LBS
ACTUAL TENSION		ACTUAL TENSION	

LOCATION 8 3W			
ESTIMATED TENSION	129 LBS		
MAXIMUM TENSION	2,018 LBS		
ACTUAL TENSION			

NOTE FROM PLANNING ENGINEER:

THIS DEVELOPMENT CAN COME ONLINE AFTER THE NEW BANK AT COLUMBUS SUBSTATION IS ONLINE. SEE PM: 74049061 SCHEDULED FOR Q2 OF 2026.

LEGEND

LOC	INSTALL	EXISTING	DESCRIPTION
12, 14 2, 4, 6 8, 10	P2 P3		PRIMARY CABLE: 2-1/0AL EPR 25KV IN 1-4" NEW CONDUIT 3-1/0AL EPR 25KV IN 1-4" NEW CONDUIT
200	S1 S2		SECONDARY CABLE: 1-4/0AL TPX 600V IN 1-4" NEW CONDUIT 1-350AL TPX 600V IN 1-4" NEW CONDUIT
300			SECONDARY ENCLOSURE (IVT): 17" x 30" x 26" MCODE: 040937 SECONDARY ENCLOSURE (IVT): 24" x 36" x 26" MCODE: 040942
400	SV1		RESIDENTIAL SERVICE CABLE AND CONDUIT: 1-4/0A TPX (600V) IN 1-3" CONDUIT
500	SV		NON-RESIDENTIAL SERVICE CABLE AND CONDUIT: 1-4/0A TPX (600V) IN 1-3" CONDUIT
5, 7 11, 13, 15			PAD-MOUNTED TRANSFORMER SIZE AS SHOWN
3, 9			PRIMARY ENCLOSURE (IVT): 3' x 5' x 3'6" MCODE: 025061
1			SOLELY OWNED [CONTACTED] SIZE AS SHOWN
1			FUSED CUTOFFS DISCONNECTS
1			RISER

CATV ATTACHMENT: LOCATION 1

BRIGHTHOUSE
CONTACT: RYAN LINDSAY
PHONE: (661) 978-6444
EMAIL: RYAN.LINDSAY@MYBRIGHTHOUSE.COM

CONSTRUCTION TO CONTACT BRIGHTHOUSE 7 DAYS BEFORE PERFORMING WORK. CATV TO ATTACH CATV FACILITIES TO POLE SET AT LOCATION 1.

SCI REQUIREMENTS:

SERVICE CABLE LENGTH FROM SECONDARY ENCLOSURE TO PANEL	200A RESIDENTIAL PANELS
0'-3'	42,000
4'-10'	35,000
11'-20'	30,000
21'-28'	25,000
29'-42'	22,000
43'-63'	18,000
64'-100'	14,000
101' AND GREATER	10,000

CONFLICTS

CIRCLED NUMBERS INDICATE THE POTENTIAL CONFLICTS:

ELECTRIC SERVICE LATERAL AND ELECTRIC METER OR TRANSFORMER LOCATIONS WITH POTENTIAL WET FACILITY LATERAL CONFLICT:

LOTS: 1, 2, 3, 5, 7, 8, 9, 25, 27, 29, 31, 33, 35

THE CONFLICTS NOTED ABOVE HAVE BEEN COMMUNICATED TO THE APPLICANT OR THEIR AGENT ON 08/14/2025 (DATE).

THE APPLICANT IS RESPONSIBLE TO MAKE MODIFICATIONS TO THE PROPOSED CONFLICT FACILITIES NOTED; TO ESTABLISH THE REQUIRED PROPER CLEARANCE FROM PG&E'S PROPOSED FACILITIES AS STIPULATED IN PG&E'S STANDARDS.

GENERAL DESIGN INFORMATION:

CITY VIEW HOUSING PROJECT	
SUBDIVISION	37 LOT 5FH SUBDIVISION
PANEL SIZE	200A
SERVICE VOLTAGE	120/240V 1Ø
SQUARE FOOTAGE	1996 SQFT
A/C TONNAGE	5 TON
EDM LOADING TABLE	TABLE 6-6
ELECTRIC VEHICLE	50A BREAKER PER PANEL SCHEDULE EDM TABLE 6.6
WATER HEATER	TANKED - 5KW PER PANEL SCHEDULE EDM TABLE 6-6
PV GENERATION	2.66kW PER LOT/DWELLING
NON-RES SERVICE(S)	200A - GATE/LIGHTING + (2) FUTURE 7.2kW EV CHARGERS

WORK AGENTS:

THIS JOB IS SHARED CONSTRUCTION

APPLICANT TO:

- PERFORM TRENCH, EXCAVATION AND BACKFILL
- INSTALL DISTRIBUTION/SERVICE CONDUIT AND SUBSTRUCTURES

PG&E TO:

- PERFORM POLE WORK
- INSTALL ELECTRIC DISTRIBUTION/SERVICE FACILITIES: (TX, CABLE, ETC).
- PERFORM JOINT TRENCH COMPOSITE AND FORM B.
- PERFORM TIE-IN WORK AND METER SET

WORK REQUIREMENTS:

VEGETATION REMOVAL:	<input type="checkbox"/> REQUIRED	<input checked="" type="checkbox"/> N/A
ENCROACHMENT PERMIT:	<input checked="" type="checkbox"/> REQUIRED	<input type="checkbox"/> N/A
TRAFFIC CONTROL PLAN / FLAGGING:	<input checked="" type="checkbox"/> REQUIRED	<input type="checkbox"/> N/A

SERVICE VALUES BREAKDOWN:

RESIDENTIAL SERVICE(S) COMPLETIONS:

SERVICE VALUES BREAKDOWN: RULE 16 AND 16NR xxx' / xxx' / xxx'

CONDUIT - FRANCHISE / 3RD PARTY
CONDUIT - PRIVATE PROPERTY
CABLE WITH TAILS

APPLICANT NOTES:

REFER TO ELECTRIC & GAS SERVICE REQUIREMENTS (GREEN BOOK) OR SEPARATE PG&E STANDARD DRAWINGS. CONTACT YOUR PG&E REPRESENTATIVE FOR COPIES, OR ACCESS. WWW.PGE.COM/GREENBOOK

CONDUIT, TRENCHING, AND BACKFILL:

- ALL DIMENSIONS AND LOCATIONS ARE ESTIMATED, APPROXIMATE AND MAY BE SUPERSEDED BY A JOINT TRENCH DRAWING. REFER TO THE JOINT TRENCH COMPOSITE DRAWING FOR EXACT TRENCH LOCATION
- MAINTAIN MAXIMUM PRACTICABLE HORIZONTAL CLEARANCE BETWEEN PG&E FACILITIES AND "WET" UTILITIES (WATER, SEWER, STORM DRAIN, ETC.). THE MIN. ALLOWABLE SEPARATION BETWEEN PG&E FACILITIES AND ANY PARALLEL "WET" UTILITY IS 3/FT. WITH A PRESENCE OF 1/FT. OF UNDISTURBED EARTH OR THE INSTALLATION OF A SUITABLE BARRIER. THIS MEASUREMENT IS BETWEEN THE OUTER EDGE OF THE PG&E FACILITY AND THE OUTER EDGE OF THE PARALLEL "WET" FACILITY. IF 3/FT. CANNOT BE MAINTAINED, A FORMAL VARIANCE MUST BE OBTAINED FROM PG&E. WORK WITH THE PG&E INSPECTOR (REFERENCE PG&E UO STANDARD 55453)
- BOX, PAD, AND CONDUIT SIZES AND LOCATIONS SHALL CONFORM TO THE PG&E ELECTRIC CONSTRUCTION DRAWINGS.
- PROVIDE LONG CONDUIT SWEEPS WHERE INDICATED. RECOMMENDED SWEEP RADIUS (10' OF RADIUS PER INCH OF CONDUIT DIAMETER) EXAMPLE: 4" CONDUIT = 40' RADIUS
- DO NOT EXCEED 300 DEGREES OF BENDS IN ANY CONDUIT RUN (INCLUDING FEED LOCATION). NOTE: SECONDARY AND SERVICE RUNS OF 200 FEET OR LESS MAY HAVE UP TO 315 DEGREES OF BENDS (REFERENCE PG&E DOCUMENT 038193, REV. 7, DATED 6-28-13).
- MANUFACTURED BENDS OR APPLICATION OF HEAT SHALL NOT BE USED TO OBTAIN LONG CONDUIT SWEEPS.
- ALL CONDUITS SHALL BE PROVEN AND A POLYESTER PULLING TAPE INSTALLED.
- MANUFACTURED BENDS ARE NOT TO BE CUT, SHORTENED, OR ALTERED IN ANY WAY.
- IDENTIFY ENDS OF BURIED CONDUIT WITH AN ELECTRONIC MARKER AND A VERTICAL CONDUIT SCRAP INSTALLED FROM RIGID CAP TO GROUND LEVEL.
- CONDUITS ENTERING PRIMARY BOXES SHALL BE AT A RIGHT ANGLE TO THE WINDOW OR WALL.
- STUB CONDUITS AT QUADRANTS AS SHOWN. AT IDENTIFIED POLE LOCATIONS, THE TRENCHING AGENT IS TO EXCAVATE TO TRENCH DEPTH AND INSTALL A 30" DIAMETER CARDBOARD TUBE. THE RISER CONDUIT BEND IS TO BE PLACED OUTSIDE AND ADJACENT TO THE TUBE AT THE POLE QUADRANT INDICATED. BACKFILL AROUND AND INSIDE TUBE WITH CLEAN NATIVE FILL.
- LS2 STREET LIGHT CONDUIT GOING TO PG&E BOXES OR PEDESTALS NOT DESIGNATED AS P.O.S. (INCLUDING TRANSFORMERS) WILL NOT BE ACCEPTED OR CONNECTED.
- ONLY ONE LS2 STREET LIGHT (P.O.S.) CONNECTION PER BOX OR PEDESTAL.

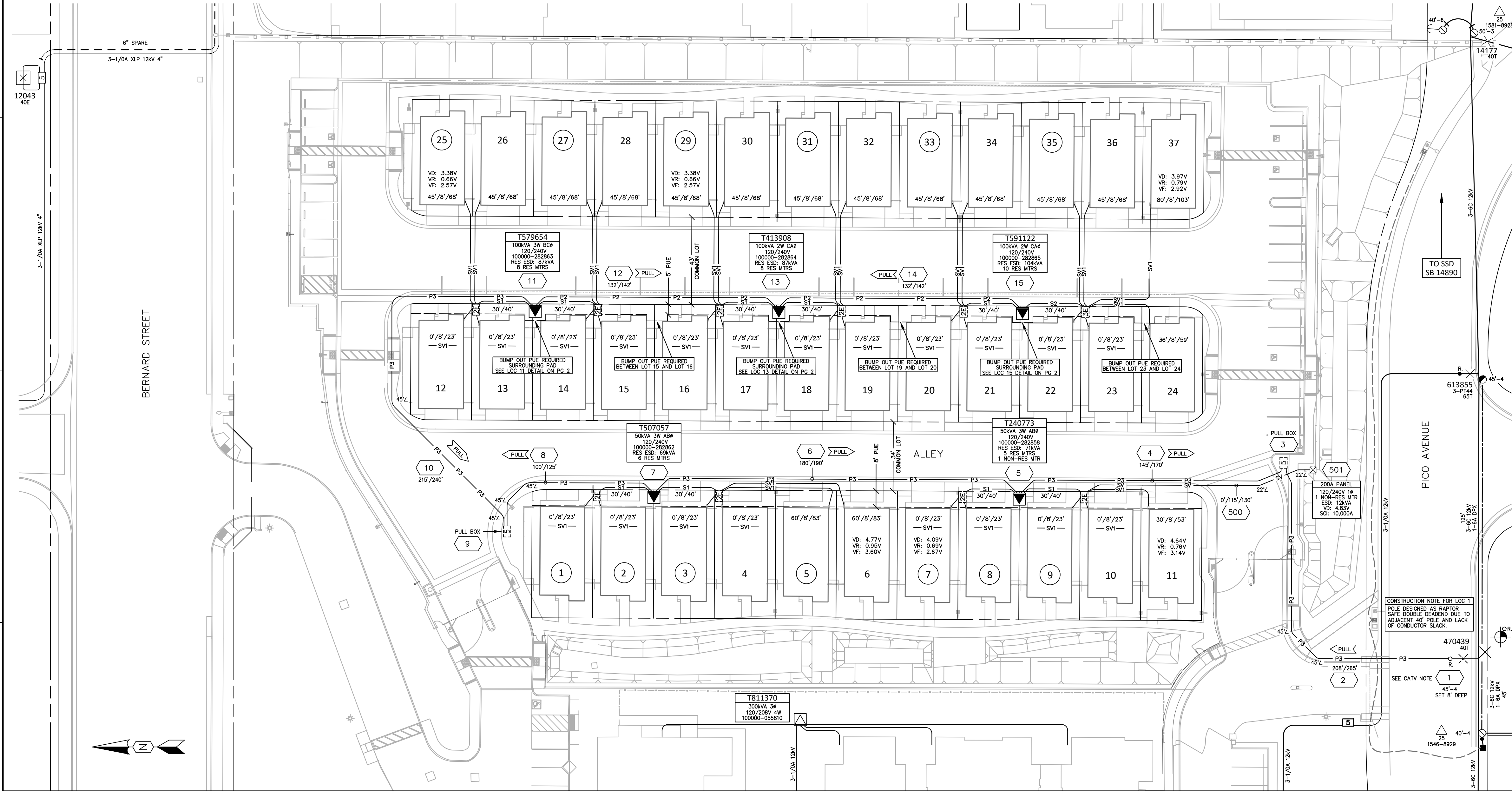
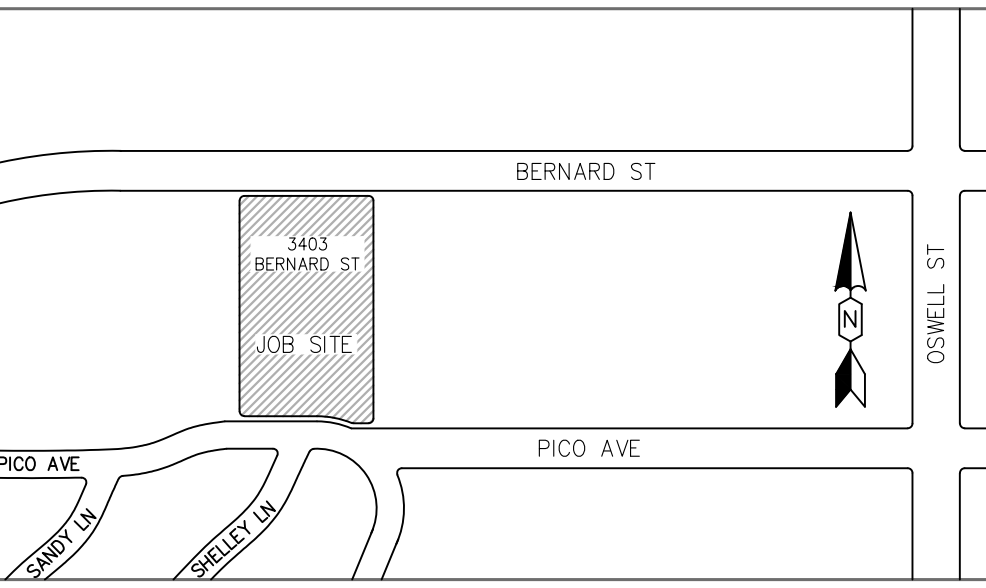
LAND RIGHTS AND EASEMENTS:

- APPLICANT TO PROVIDE ADEQUATE P.U.E'S AND/OR ROW'S FOR PG&E FACILITIES. ANY ADDITIONAL REQUIRED RIGHTS OF WAY ARE TO BE SURVEYED AND DOCUMENTED BY PG&E AT THE APPLICANT'S EXPENSE.

SAFETY AND WORKMANSHIP:

- CALL 811 (UNDERGROUND SERVICE ALERT) 48 HOURS PRIOR TO EXCAVATION FOR UNDERGROUND UTILITY LOCATION MARKING.
- 48 HOUR NOTICE REQUIRED FOR UNDERGROUND INSPECTION.
- MATERIALS AND WORKMANSHIP SHALL BE FIRST QUALITY IN EVERY RESPECT, PLUMB AND TRUE, AND ACCORDING TO THE SPECIFIC REQUIREMENTS OF THE DRAWINGS AND THE ABOVE APPLICABLE NOTES AND SPECIFICATIONS.
- THE APPLICANT IS TO VERIFY ALL PROPOSED INSTALLATIONS, CONDITIONS & SPECIFICATIONS PRIOR TO COMMENCING WITH ANY PORTION OF WORK. ANY DISCREPANCIES, DELETIONS OR INCONSISTENCIES ARE TO BE REPORTED TO THE PG&E REPRESENTATIVE IMMEDIATELY. THE APPLICANT SHALL COMPLY WITH ALL APPLICABLE SPECIFICATIONS. ANY VARIATIONS FROM PLANS OR SPECIFICATIONS RELIEVES PG&E OF ALL RESPONSIBILITY FOR THE SUBSTRUCTURE OR DESIGN.

VICINITY MAP



EST: NICK DENNISON (559) 580.5067
ADE: NICK DENNISON (559) 580.5067
SUPV: KEITH McDONALD (650) 294.0165
REP: AMANDA CORNEJO (661) 316.8784
PLNR: DAVID HART (559) 385.4719
NOTICE: 131366747
SCALE: 1" = 30'
DATE: 11/12/2025
SHEET: 1 OF 3 (REV. 00)

ENGINEERING AND PLANNING DEPT.
8 RIVERPARK PLACE EAST
FRESNO, CA

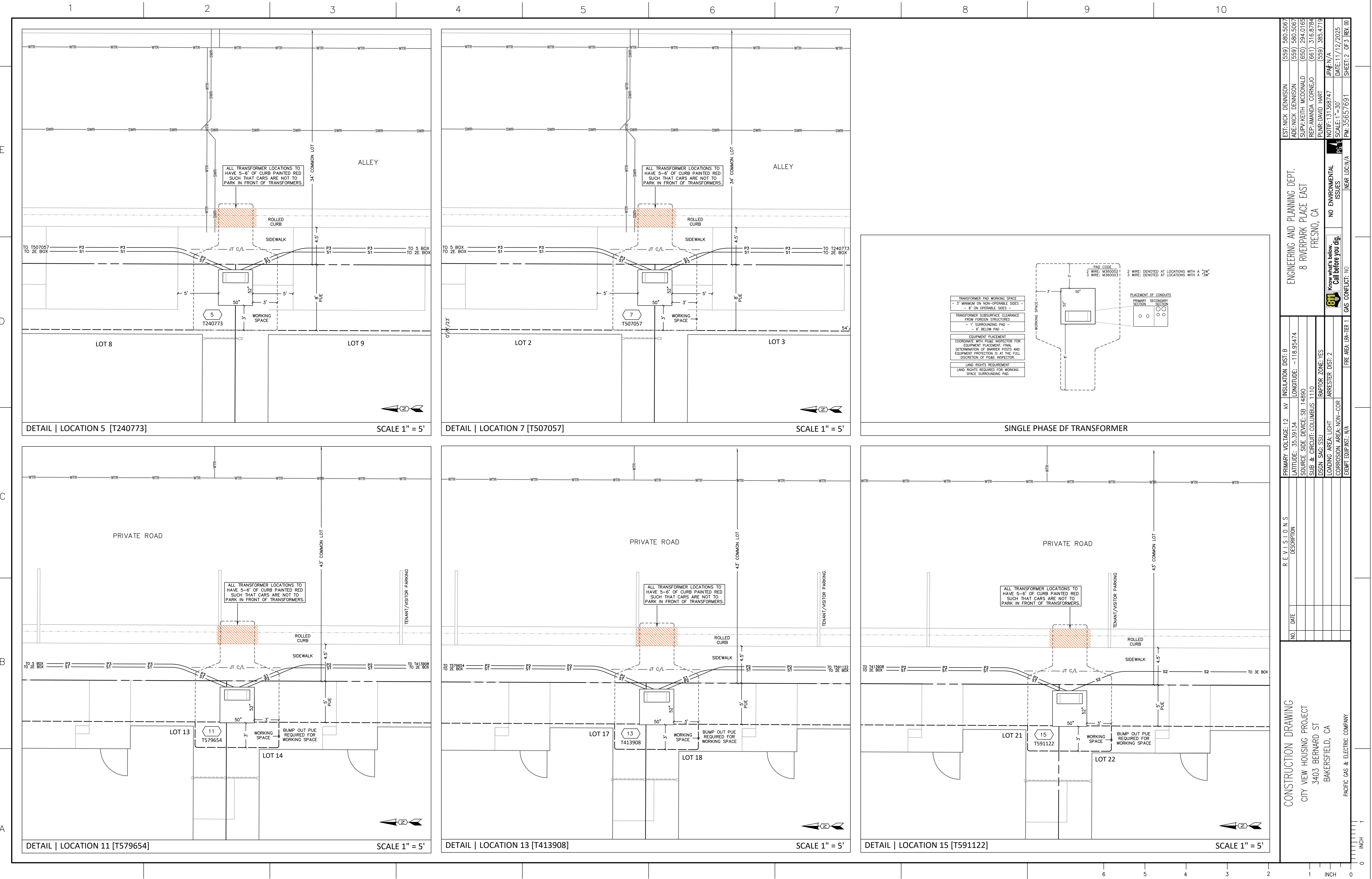
PRIMARY VOLTAGE: 12 KV
LATITUDE: 35.39134
SOURCE SIDE DEVICE: SB 14890
SUB & CIRCUIT: COLUMBUS 1110
DSGN SAG: SSU
LOADING AREA: LIGHT
CORROSION AREA: NON-COR
EMPTY EQUIPMENT: N/A

INSULATION DIST: B
LONGITUDE: -118.95474
SOURCE SIDE DEVICE: SB 14890
SUB & CIRCUIT: COLUMBUS 1110
DSGN SAG: SSU
LOADING AREA: LIGHT
CORROSION AREA: NON-COR
EMPTY EQUIPMENT: N/A

NO ENVIRONMENTAL ISSUES
Call before you dig.
NEAR LOC/N/A
GAS CONFLICT: NEARBY TIE-IN
FIRE AREF: 0A-TIER 1
PACIFIC GAS & ELECTRIC COMPANY

CONSTRUCTION DRAWING
CITY VIEW HOUSING PROJECT
3403 BERNARD ST
BAKERSFIELD, CA

0 1 2 3 4 5 6 INCH
0 1 2 3 4 5 6 INCH



CONSTRUCTION DRAWING
CITY VIEW HOUSING PROJECT
3403 BERNARD ST
BAKERSFIELD, CA

NO.	DATE	DESCRIPTION

PRIMARY VOLTAGE 12 kV	INSULATION DIST: 8
LATITUDE: 35.39134	LONGITUDE: -118.95474
SOURCE SIDE DEVICE: SB 14890	SUB & CIRCUIT: COLUMBUS 1110
DSGN SAG: SSU	RACTOR ZONE: YES
LOADING AREA: LIGHT	ARRESTER DIST: 2
CORROSION AREA: NON-COR	FIRE AREA: LRA-TIER 1
EQUIP INST: N/A	

ENGINEERING AND PLANNING DEPT.
8 RIVERPARK PLACE EAST
FRESNO, CA

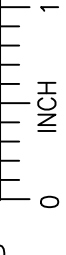
EST: NICK DENNISON	(559) 580.5067
ADEN: NICK DENNISON	(559) 580.5067
SUPV: KEITH MCDONALD	(660) 294.0165
REP: AMANDA CORNEJO	(661) 316.8784
PLNR: DAVID HART	(559) 385.4719
NOTIF: 131568747	JPM: N/A
SCALE: 1"=30'	DATE: 11/12/2025
PIN: 35657691	SHEET: 2 OF 3 (REV. 00)

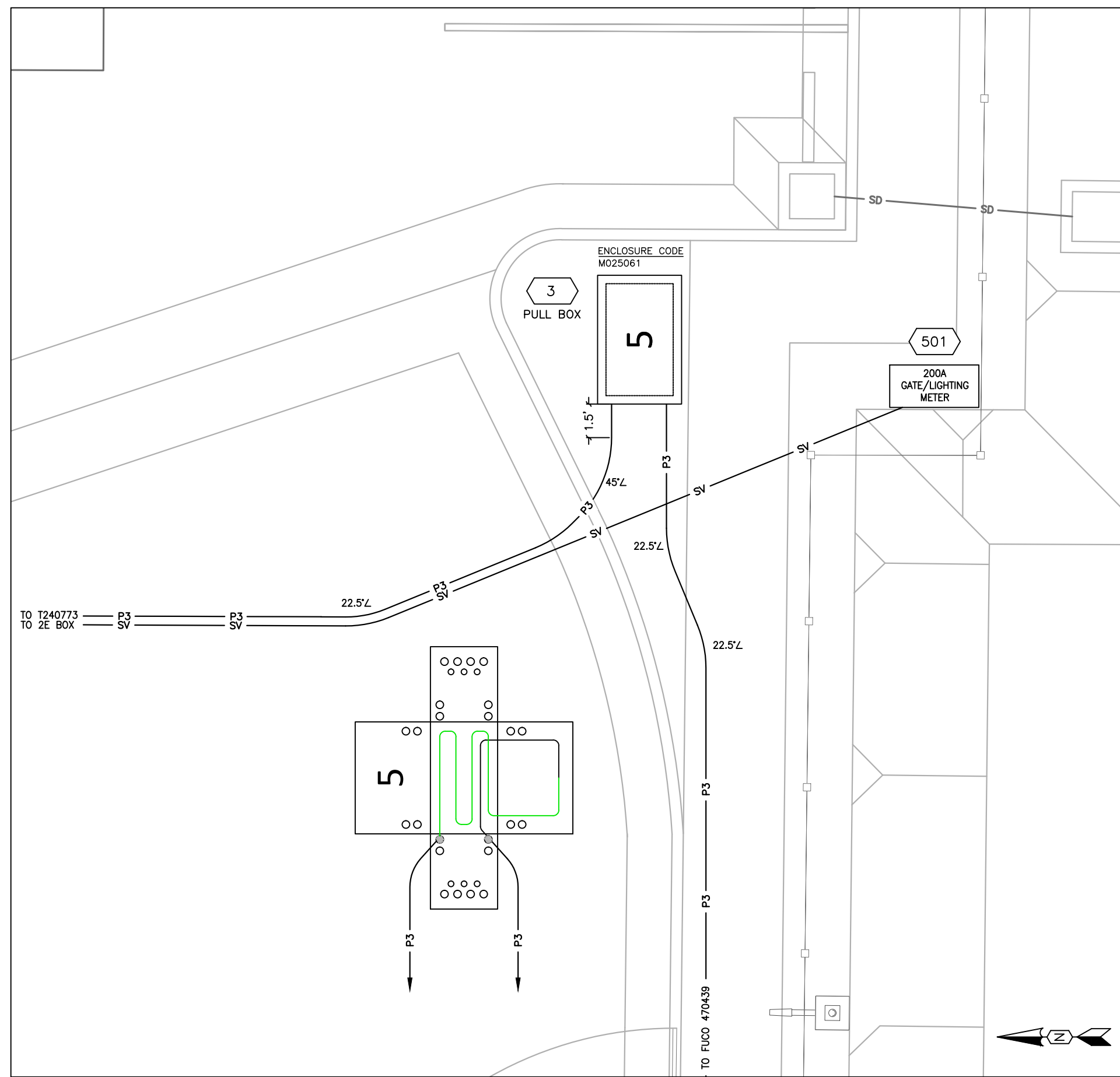
Know what's below.
Call before you dig.
811

NO ENVIRONMENTAL ISSUES

NEAR LOC: N/A

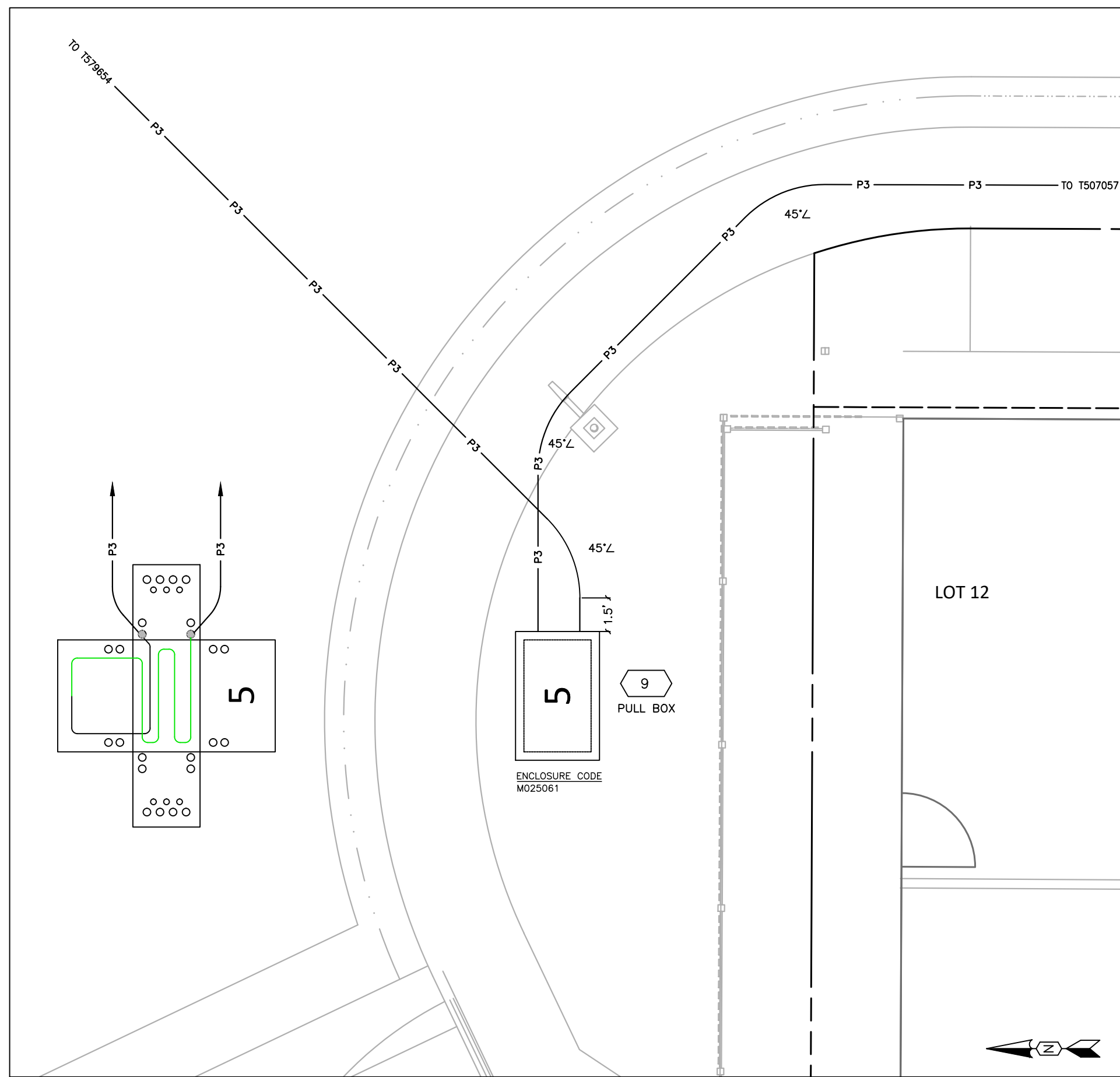
GAS CONFLICT: NO





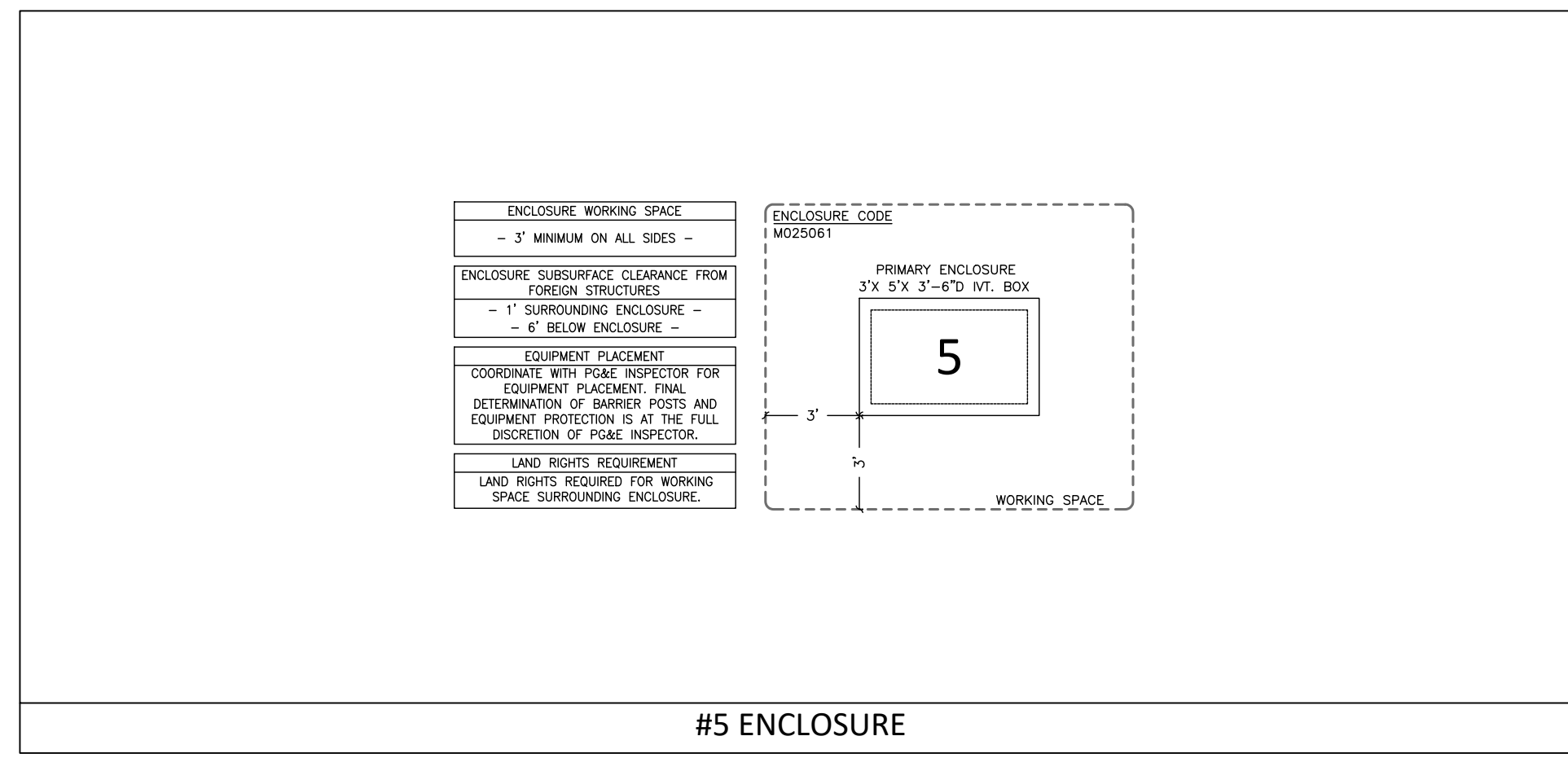
DETAIL | LOCATION 3 [PULL BOX]

SCALE 1" = 5'

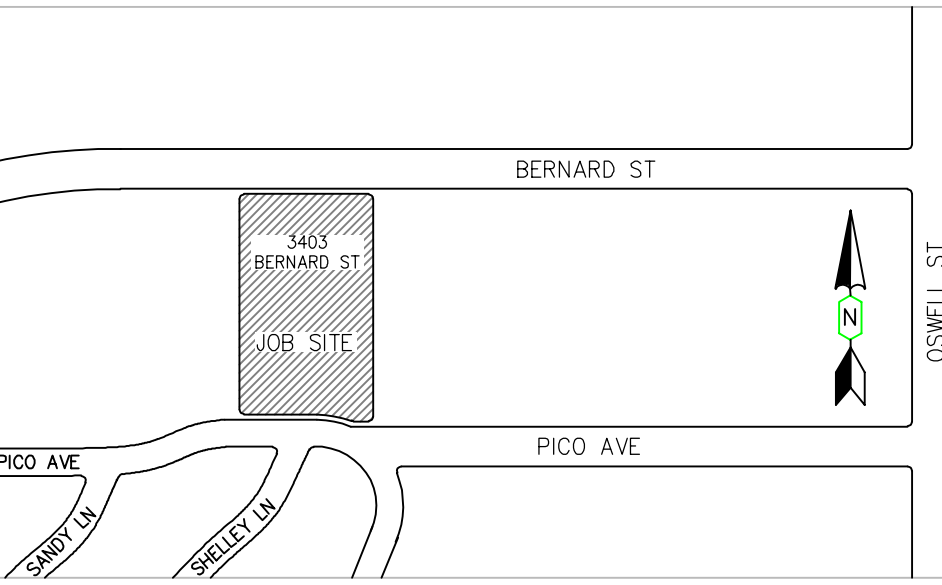


DETAIL | LOCATION 9 [PULL BOX]

SCALE 1" = 5'

[illegible]

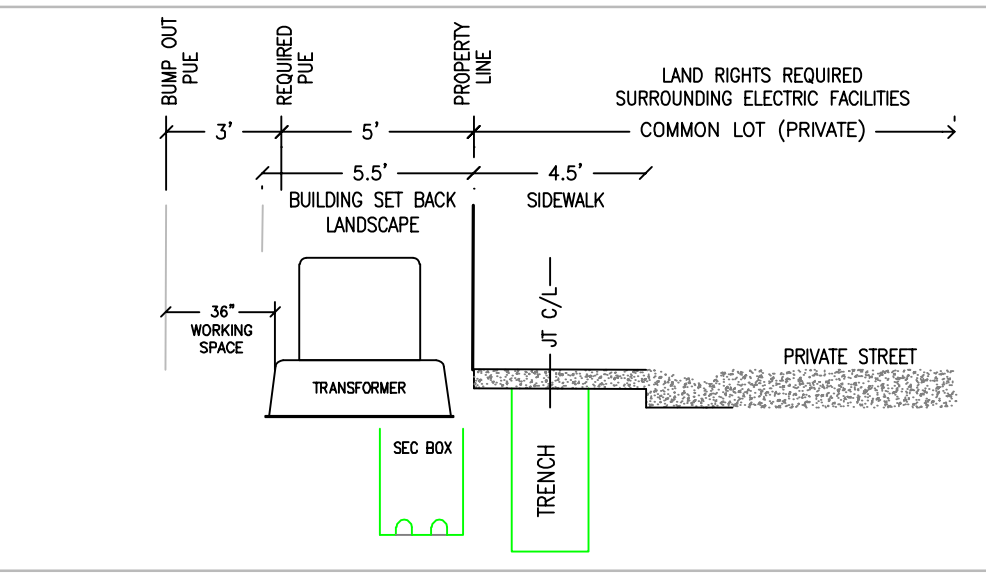
VICINITY MAP



NOTE FROM PLANNING ENGINEER:

THIS DEVELOPMENT CAN COME ONLINE AFTER THE NEW BANK AT COLUMBUS SUBSTATION IS ONLINE. SEE PM: 74049061 SCHEDULED FOR Q2 OF 2026.

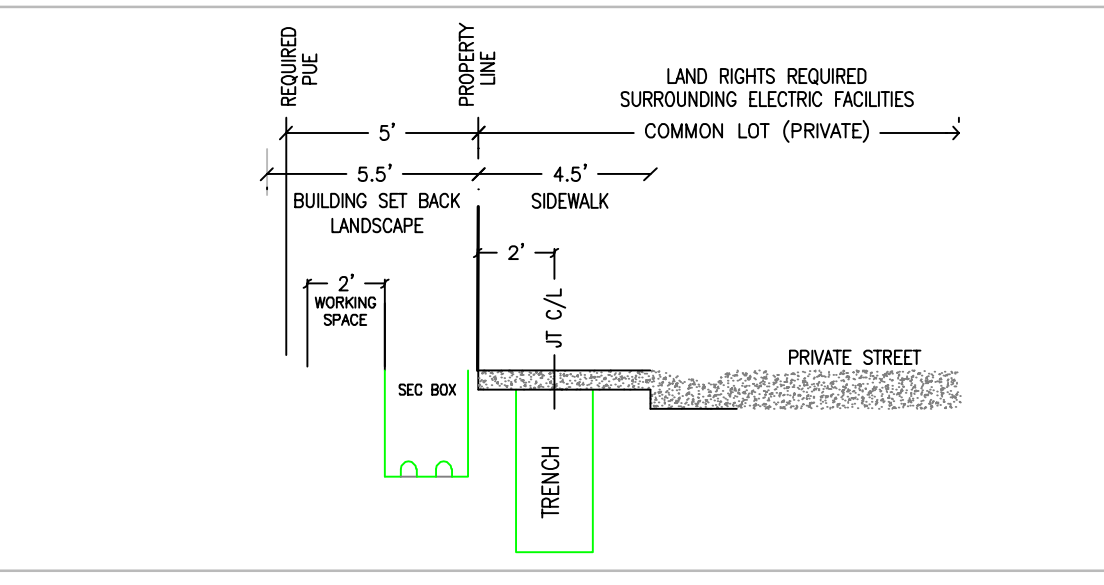
TRENCH AND EQUIPMENT: STREET PATTERN - 30' STREET



SPECTRUM LEGEND

- 2" CONDUIT
- 1.25" SERVICE DUCT
- 24" X 36" VAULT
- 24" X 36" VAULT
- FIBER SPLICE ENCLOSURE

TRENCH AND EQUIPMENT: STREET PATTERN - 21' ALLEY STREET



LEGEND

INSTALL	EXISTING	DESCRIPTION
		PRIMARY CABLE: 2-1/0AL EPR 25KV IN 1-4" NEW CONDUIT 3-1/0AL EPR 25KV IN 1-4" NEW CONDUIT
		SECONDARY CABLE: 1-4/0AL TPX 600V IN 1-4" NEW CONDUIT 1-3/0AL TPX 600V IN 1-4" NEW CONDUIT
		SECONDARY ENCLOSURE (VIT): 17" x 30" x 26" MCODE: 040937 SECONDARY ENCLOSURE (VIT): 24" x 36" x 26" MCODE: 040942
		RESIDENTIAL SERVICE CABLE AND CONDUIT: 1-4/0A TPX (600V) IN 1-3" CONDUIT
		NON-RESIDENTIAL SERVICE CABLE AND CONDUIT: 1-4/0A TPX (600V) IN 1-3" CONDUIT
		PAD-MOUNTED TRANSFORMER SIZE AS SHOWN
		PRIMARY ENCLOSURE (VIT): 3' x 5' x 3'6" MCODE: 025061
		SOLELY OWNED SIZE AS SHOWN
		FUSED CUTOUTS DISCONNECTS
		RISER

GENERAL DESIGN INFORMATION:

CITY VIEW HOUSING PROJECT	
SUBDIVISION	37 LOT SFH SUBDIVISION
PANEL SIZE	200A
SERVICE VOLTAGE	120/240V 1Ø
SQUARE FOOTAGE	1996 SQFT
A/C TONNAGE	5 TON
EDM LOADING TABLE	TABLE 6-6
ELECTRIC VEHICLE	50A BREAKER PER PANEL SCHEDULE EDM TABLE 6.6
WATER HEATER	TANKED - 5KW PER PANEL SCHEDULE EDM TABLE 6-6
PV GENERATION	2.66kW PER LOT/DWELLING
NON-RES SERVICE(S)	200A - GATE/LIGHTING + (2) FUTURE 7.2kW EV CHARGERS

WORK AGENTS:

THIS JOB IS SHARED CONSTRUCTION

APPLICANT TO:

- PERFORM TRENCH, EXCAVATION AND BACKFILL

- INSTALL DISTRIBUTION/SERVICE CONDUIT AND SUBSTRUCTURES

PG&E TO:

- PERFORM POLE WORK

- INSTALL ELECTRIC DISTRIBUTION/SERVICE FACILITIES: (TX, CABLE, ETC).

- PERFORM JOINT TRENCH COMPOSITE AND FORM B.

- PERFORM TIE-IN WORK AND METER SET

WORK REQUIREMENTS:

VEGETATION REMOVAL:	<input type="checkbox"/> REQUIRED	<input checked="" type="checkbox"/> N/A
ENCROACHMENT PERMIT:	<input checked="" type="checkbox"/> REQUIRED	<input type="checkbox"/> N/A
TRAFFIC CONTROL PLAN / FLAGGING:	<input checked="" type="checkbox"/> REQUIRED	<input type="checkbox"/> N/A

SERVICE VALUES BREAKDOWN:

RESIDENTIAL SERVICE(S) COMPLETIONS:
SERVICE VALUES BREAKDOWN: RULE 16 AND 16NR xxx'/xxx'/xxx'

CONDUIT - FRANCHISE / 3RD PARTY
CONDUIT - PRIVATE PROPERTY
CABLE WITH TAILS

APPLICANT NOTES:

REFER TO ELECTRIC & GAS SERVICE REQUIREMENTS (GREEN BOOK) OR SEPARATE PG&E STANDARD DRAWINGS. CONTACT YOUR PG&E REPRESENTATIVE FOR COPIES, OR ACCESS: WWW.PGE.COM/GREENBOOK

CONDUIT, TRENCHING, AND BACKFILL:

- ALL DIMENSIONS AND LOCATIONS ARE ESTIMATED. APPROXIMATE AND MAY BE SUPERSEDED BY A JOINT TRENCH DRAWING. REFER TO THE JOINT TRENCH COMPOSITE DRAWING FOR EXACT TRENCH LOCATION.
- MAINTAIN MAXIMUM PRACTICABLE HORIZONTAL CLEARANCE BETWEEN PG&E FACILITIES AND "WET" UTILITIES (WATER, SEWER, STORM DRAIN, ETC.). THE MIN. ALLOWABLE SEPARATION BETWEEN PG&E FACILITIES AND ANY PARALLEL "WET" UTILITY IS 3'FT. WITH A PRESENCE OF 1/FT. OF UNDISTURBED EARTH OR THE INSTALLATION OF A SUITABLE BARRIER. THIS MEASUREMENT IS BETWEEN THE OUTER EDGE OF THE PG&E FACILITY AND THE OUTER EDGE OF THE PARALLEL "WET" FACILITY. IF 3/FT. CANNOT BE MAINTAINED, A FORMAL VARIANCE MUST BE OBTAINED FROM PG&E. WORK WITH THE PG&E INSPECTOR (REFERENCE PG&E UO STANDARD 55453).
- BOX, PAD, AND CONDUIT SIZES AND LOCATIONS SHALL CONFORM TO THE PG&E ELECTRIC CONSTRUCTION DRAWINGS.
- PROVIDE LONG CONDUIT SWEEPS WHERE INDICATED. RECOMMENDED SWEEP RADIUS (10' OF RADIUS PER INCH OF CONDUIT DIAMETER) EXAMPLE: 4" CONDUIT = 40' RADIUS.
- DO NOT EXCEED 300 DEGREES OF BENDS IN ANY CONDUIT RUN (INCLUDING FEED LOCATION). NOTE: SECONDARY AND SERVICE RUNS OF 200 FEET OR LESS MAY HAVE UP TO 315 DEGREES OF BENDS (REFERENCE PG&E DOCUMENT 038193, REV. 7, DATED 6-28-13).
- MANUFACTURED BENDS OR APPLICATION OF HEAT SHALL NOT BE USED TO OBTAIN LONG CONDUIT SWEEPS.
- ALL CONDUITS SHALL BE PROVEN AND A POLYESTER PULLING TAPE INSTALLED.
- MANUFACTURED BENDS ARE NOT TO BE CUT, SHORTENED, OR ALTERED IN ANY WAY.
- IDENTIFY ENDS OF BURIED CONDUIT WITH AN ELECTRONIC MARKER AND A VERTICAL CONDUIT SCRAP INSTALLED FROM RIGID CAP TO GROUND LEVEL.
- CONDUITS ENTERING PRIMARY BOXES SHALL BE AT A RIGHT ANGLE TO THE WINDOW OR WALL.
- STUB CONDUITS AT RISER POLES IN QUADRANTS AS SHOWN. AT IDENTIFIED POLE LOCATIONS, THE TRENCHING AGENT IS TO EXCAVATE TO TRENCH DEPTH AND INSTALL A 30" DIAMETER CARDBOARD TUBE. THE RISER CONDUIT BEND IS TO BE PLACED OUTSIDE AND ADJACENT TO THE TUBE AT THE POLE QUADRANT INDICATED. BACKFILL AROUND AND INSIDE TUBE WITH CLEAN NATIVE FILL.
- LS2 STREET LIGHT CONDUIT GOING TO PG&E BOXES OR PEDESTALS NOT DESIGNATED AS P.O.S. (INCLUDING TRANSFORMERS) WILL NOT BE ACCEPTED OR CONNECTED.
- ONLY ONE LS2 STREET LIGHT (P.O.S.) CONNECTION PER BOX OR PEDESTAL.

LAND RIGHTS AND EASEMENTS:

- APPLICANT TO PROVIDE ADEQUATE P.U.E'S AND/OR ROW'S FOR PG&E FACILITIES. ANY ADDITIONAL REQUIRED RIGHTS OF WAY ARE TO BE SURVEYED AND DOCUMENTED BY PG&E AT THE APPLICANT'S EXPENSE.

SAFETY AND WORKMANSHIP:

- CALL 811 (UNDERGROUND SERVICE ALERT) 48 HOURS PRIOR TO EXCAVATION FOR UNDERGROUND UTILITY LOCATION MARKING.
- 48 HOUR NOTICE REQUIRED FOR UNDERGROUND INSPECTION.
- MATERIALS AND WORKMANSHIP SHALL BE FIRST QUALITY IN EVERY RESPECT, PLUMB AND TRUE, AND ACCORDING TO THE SPECIFIC REQUIREMENTS OF THE DRAWINGS AND THE ABOVE APPLICABLE NOTES AND SPECIFICATIONS.
- THE APPLICANT IS TO VERIFY ALL PROPOSED INSTALLATIONS, CONDITIONS & SPECIFICATIONS PRIOR TO COMMENCING WITH ANY PORTION OF WORK. ANY DISCREPANCIES, DELETIONS OR INCONSISTENCIES ARE TO BE REPORTED TO THE PG&E REPRESENTATIVE IMMEDIATELY. THE APPLICANT SHALL COMPLY WITH ALL APPLICABLE SPECIFICATIONS. ANY VARIATIONS FROM PLANS OR SPECIFICATIONS RELIEVES PG&E OF ALL RESPONSIBILITY FOR THE SUBSTRUCTURE OR DESIGN.

CONFLICTS

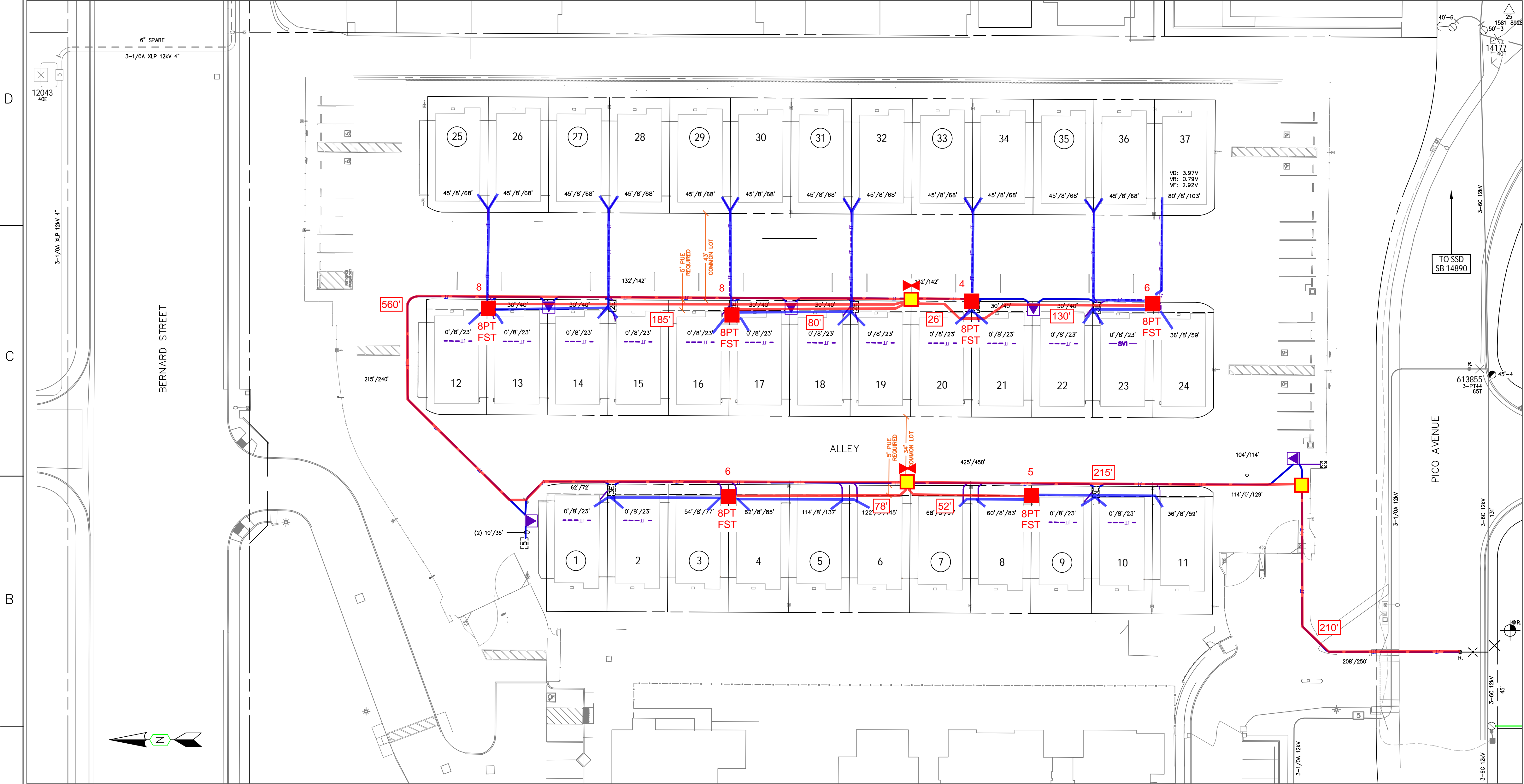
CIRCLED NUMBERS INDICATE THE POTENTIAL CONFLICTS:

ELECTRIC SERVICE LATERAL AND ELECTRIC METER LOCATIONS WITH POTENTIAL WET FACILITY LATERAL CONFLICT:

LOTS: 1, 3, 5, 7, 9, 25, 27, 29, 31, 33, 35

THE CONFLICTS NOTED ABOVE HAVE BEEN COMMUNICATED TO THE APPLICANT OR THEIR AGENT ON 08/14/2025 (DATE).

THE APPLICANT IS RESPONSIBLE TO MAKE MODIFICATIONS TO THE PROPOSED CONFLICT FACILITIES NOTED: TO ESTABLISH THE REQUIRED PROPER CLEARANCE FROM PG&E'S PROPOSED FACILITIES AS STIPULATED IN PG&E'S STANDARDS.



EST: MICHAEL O'LANE (559) 250.6991
ADE: NANCY HUGHES (559) 387.0616
SUP: KEITH McDONALD (850) 294.0165
REP: AMANDA CORNEJO (661) 316.8784
PLN: DAVID HART (559) 385.4719
NOTICE: 131366747
SCALE: 1"=30'
DATE: 10/7/2025
SHEET: 1 OF 2 (REV. 00)

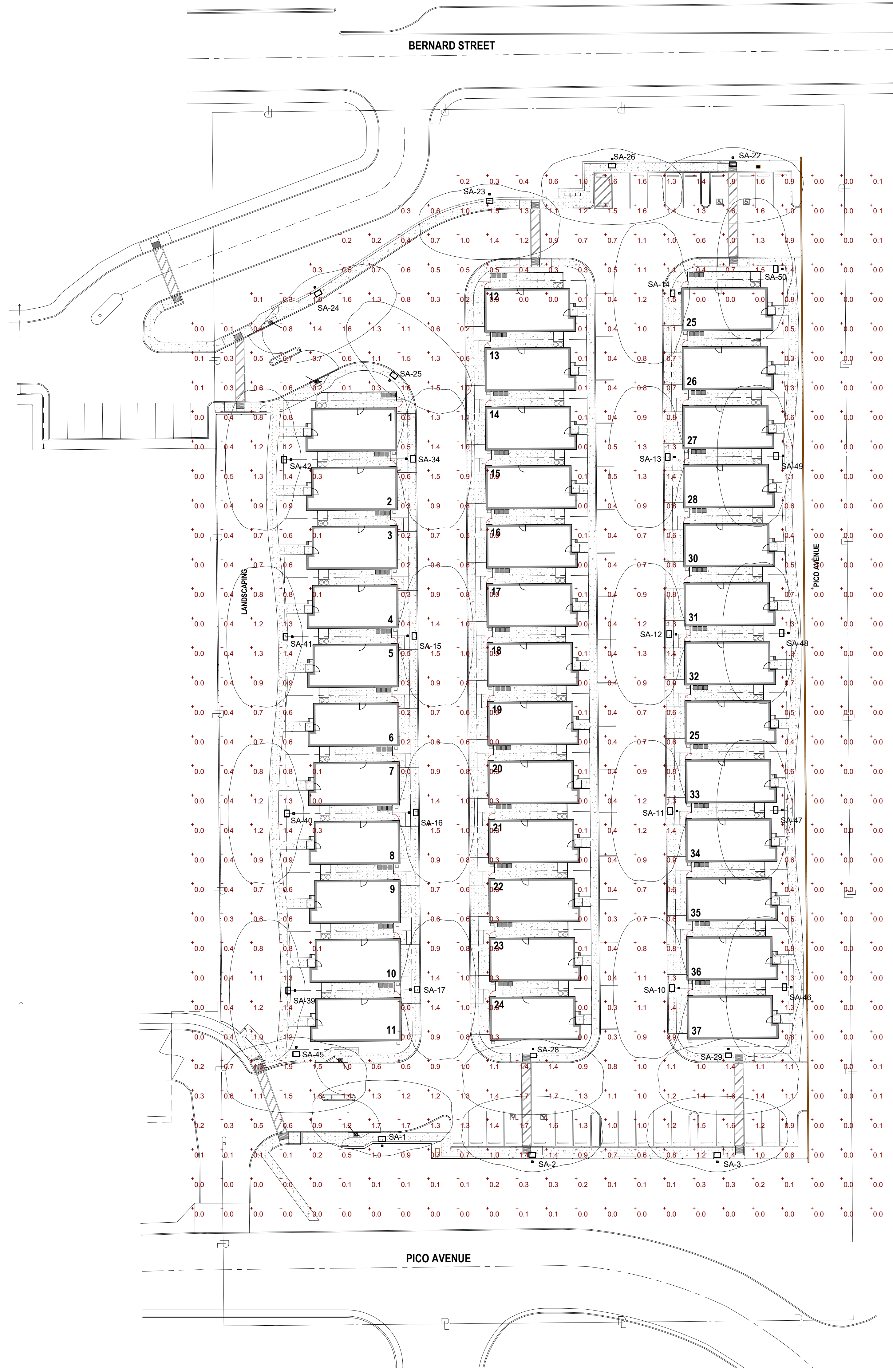
ENGINEERING AND PLANNING DEPT.
8 RIVERPARK PLACE EAST
FRESNO, CA

NO ENVIRONMENTAL ISSUES
NEAR LOCALITY
GAS CONFLICT: NEARBY TIE-IN
FIRE AREA: LBA-TIER 1
CORROSION AREA: NON-COR
EQUIP. INST.: N/A

PRIMARY VOLTAGE: 12 kV
LATITUDE: 35.39134
SOURCE SIDE DEVICE: SB 14890
SUB & CIRCUIT: COLUMBUS 1110
DSGN SAG: SSU
RAPTOR ZONE: YES
LOADING AREA: LIGHT
ARRESTER DIST: 2
CORROSION AREA: NON-COR
EQUIP. INST.: N/A

INSULATION DIST: B
LONGITUDE: -118.95474
SOURCE SIDE DEVICE: SB 14890
SUB & CIRCUIT: COLUMBUS 1110
DSGN SAG: SSU
RAPTOR ZONE: YES
LOADING AREA: LIGHT
ARRESTER DIST: 2
CORROSION AREA: NON-COR
EQUIP. INST.: N/A

JOINT TRENCH INTENT DRAWING
CITY VIEW HOUSING PROJECT
3403 BERNARD ST
BAKERSFIELD, CA
PACIFIC GAS & ELECTRIC COMPANY



Schedule									
Symbol	Label	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power
	SA	29	Lithonia Lighting	DSX0 LED P1 40K 80CRI T3M HS	D-Series Size 0 Area Luminaire P1 Performance Package 4000K CCT 80 CRI Type 3 Medium Houseside Shield	1	3811	0.9	33.21

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JOSEPH E. ZABOSKI, AIA
ARCHITECT C-38142

CITY VIEW
HOUSING
PROJECT

A 37-UNIT SINGLE-FAMILY
AFFORDABLE HOUSING
PROJECT

3403 BERNARD STREET
BAKERSFIELD, CALIFORNIA 93306

FOR:

GOLDEN
EMPIRE
AFFORDABLE
HOUSING, INC.

601 24th STREET, SUITE B BAKERSFIELD,
CALIFORNIA 93301

MARK	DATE	DESCRIPTION

JOB NUMBER:
2305
CAD DRAWING FILE:
2305 City View SD26
DRAWN BY:
E.R.W.
CHECKED BY:
L.A.

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING
WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT.
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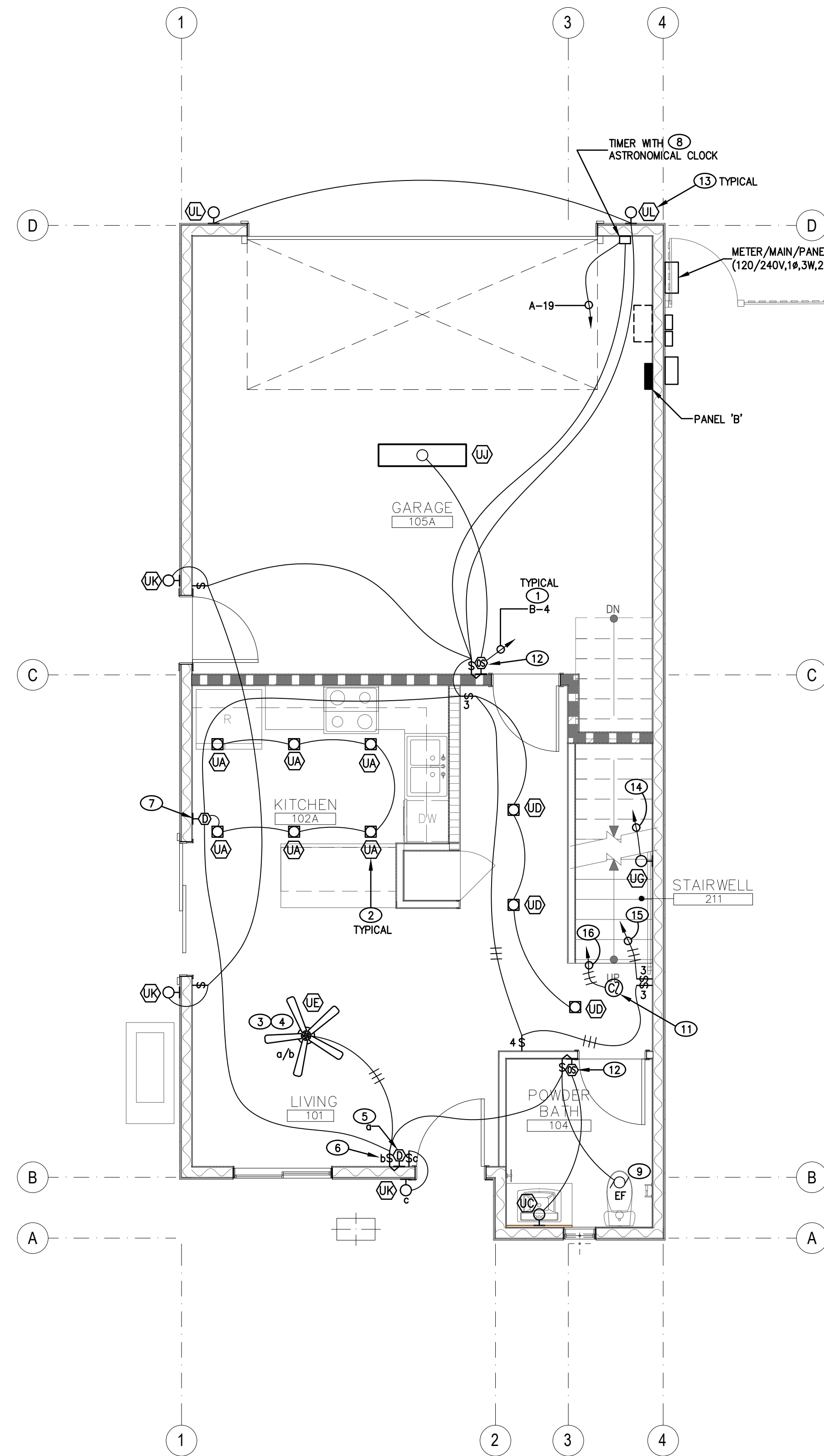
SHEET TITLE

PHOTOMETRIC
CALCULATION PLAN

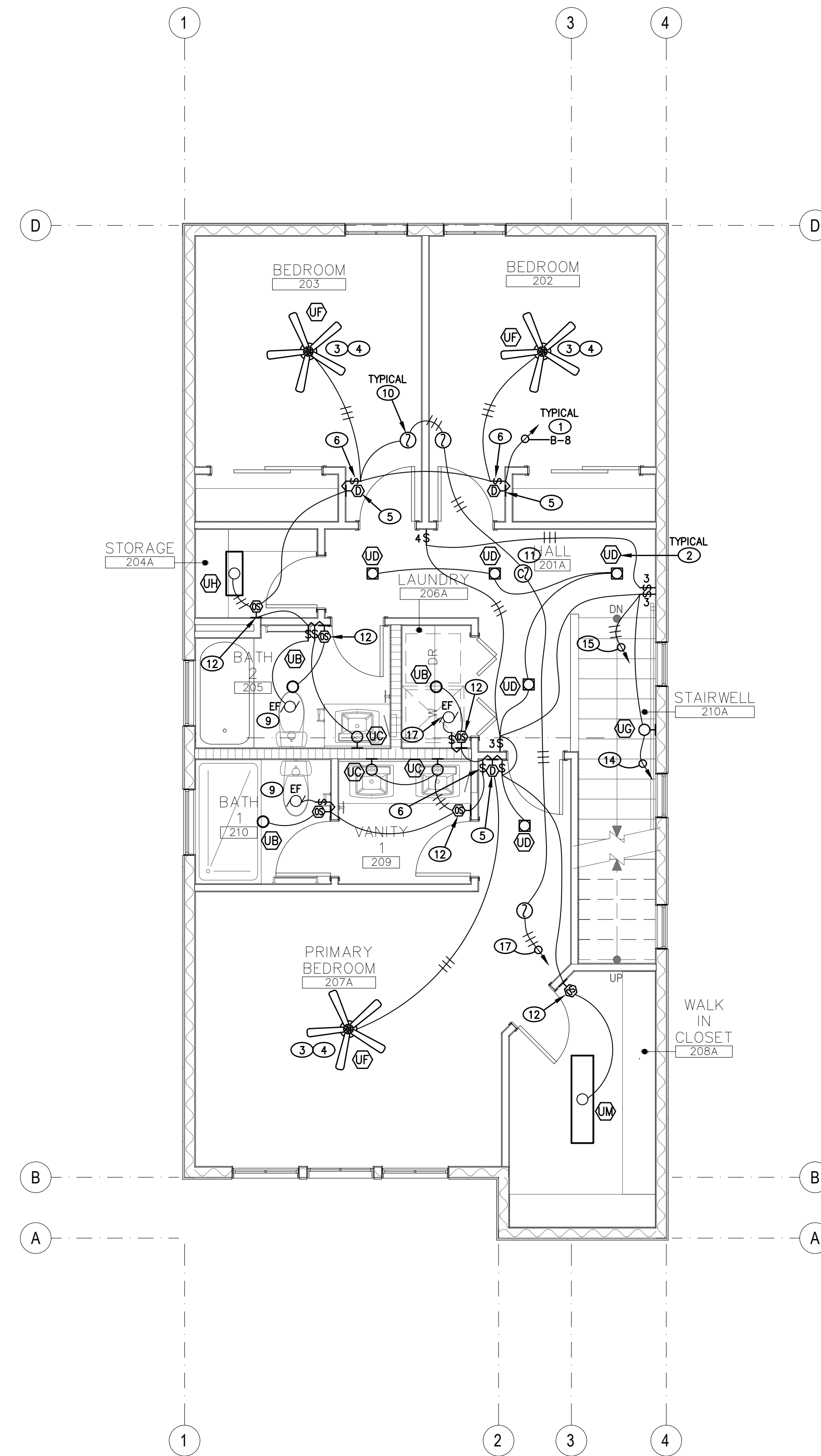
SHEET IDENTIFICATION NUMBER

E-101

SHEETS IN SET 66



A2 FIRST FLOOR - LIGHTING PLAN
SCALE: 1/4" = 1'-0"



A2 SECOND FLOOR - LIGHTING PLAN
SCALE: 1/4" = 1'-0"

LIGHTING PLAN NOTES:

1. TYPICAL: ALL 120-VOLT, SINGLE PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLOIRS, LIBRARIES, DEN, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION-TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT PER NEC 210.12(A)(1) THROUGH (6).
2. TYPICAL: LIGHT FIXTURES WITHIN UNIT SHALL BE HIGH EFFICACY TYPE PER FIXTURE SCHEDULE IN COMPLIANCE WITH CALIFORNIA ENERGY CODE REQUIREMENTS.
3. TYPICAL: CEILING FANS WITH LED LIGHT KIT. LIGHT KIT SHALL BE HIGH EFFICACY TYPE LIGHTING. IF LAMP KIT IS PROVIDED, LAMPS SHALL BE LED JAB LAMPS.
4. TYPICAL: PROVIDE METAL OUTLET BOX, LISTED FOR CEILING PADDLE FAN SUPPORT, IN CEILING FOR CONNECTION OF CEILING FAN.
5. TYPICAL: IF LED LIGHT KIT IS PROVIDED WITH FAN, PROVIDE DIMMER COMPATIBLE WITH LIGHT KIT. IF JAB LAMPS ARE PROVIDED WITH FAN THEN PROVIDE DECORA TYPE 300-WATT SLIDER DIMMER SWITCH WITH ON/OFF, AS MANUFACTURED BY LEVITON OR EQUAL. DIMMER SHALL BE NEMA SSL 7A COMPLIANT.
6. TYPICAL: CEILING FAN SWITCH SHALL BE LISTED FAN SPEED CONTROL. EACH SWITCH NEEDS TO BE RATED TO HANDLE TWO CEILING FANS OR PROVIDE ADDITIONAL SWITCHES AND WIRING AS REQUIRED.
7. PROVIDE DIMMER AND WIRING COMPATIBLE WITH LIGHT FIXTURE SELECTED.
8. 24-HOUR TIMER WITH ASTRONOMICAL CLOCK SHALL BE LEVITON 061-VP124-16Z. WIRE TO CONTROL EXTERIOR LIGHTING CIRCUIT. CONNECT TIME SWITCH TO SAME CIRCUIT. MOUNT TIME SWITCH AT +48" A.F.F.
9. CONNECT EXHAUST FAN TO WALL SWITCH. EXHAUST FAN WITH INTEGRAL MOTION AND HUMIDITY SENSOR TO BE FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED AND CONNECTED BY ELECTRICAL. VERIFY LOCATION IN FIELD.
10. TYPICAL: PROVIDE 120V SMOKE ALARM WITH 10 YEAR SEALED BATTERY BACKUP. DETECTOR SHALL BE PHOTOELECTRIC TYPE, BRK #C7010LBV, CAPABLE OF TANGENT ALARM WIRING UP TO 6 UNITS. WIRE SMOKE AND CARBON MONOXIDE DETECTORS WITHIN UNIT FOR COMMON ALARM. MOUNT ON CEILING. LOCATE AT LEAST 3'-FT FROM RETURN AND SUPPLY AIR VENTS, BATHROOM DOOR, AND CEILING FAN BLADES. LOCATE AT LEAST 10'-FT FROM STOVE.
11. CARBON MONOXIDE/PHOTOELECTRIC SMOKE ALARM COMBO ON CEILING SHALL BE BRK #C7010LBV. DETECTOR SHALL BE 120VAC TYPE WITH INTEGRAL 10 YEAR BATTERY BACKUP. WIRE SMOKE AND CARBON MONOXIDE DETECTORS WITHIN UNIT FOR COMMON ALARM. LOCATE AT LEAST 3'-FT FROM RETURN AND SUPPLY AIR VENTS, BATHROOM DOOR, AND CEILING FAN BLADES. LOCATE AT LEAST 10'-FT FROM STOVE.
12. TYPICAL: LINE VOLTAGE SINGLE RELAY OCCUPANCY SENSOR WALL SWITCH WITH MANUAL ON/OFF BUTTON SHALL BE SENSOR SWITCH #WSX-RDT. WIRE FOR CONTROL OF LIGHTS IN ROOM. SET OCCUPANCY SENSOR TIME DELAY TO MINIMUM 20-MINUTES.
13. TYPICAL: VERIFY MOUNTING HEIGHT OF EXTERIOR LIGHTS WITH ARCHITECT.
14. WIRING BETWEEN LIGHTS IN STAIRWELL.
15. WIRING BETWEEN 3-WAY SWITCHES IN STAIRWELL.
16. WIRING BETWEEN CARBON MONOXIDE/PHOTOELECTRIC SMOKE ALARMS ON FIRST AND SECOND FLOOR.
17. CONNECT EXHAUST FAN TO WALL SWITCH. LABEL WALL SWITCH "LEAVE FAN SWITCH ON" FOR CONTINUOUS OPERATION.



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ARCHITECT C-36142

CITY VIEW HOUSING PROJECT

A 37-UNIT SINGLE-FAMILY AFFORDABLE HOUSING PROJECT

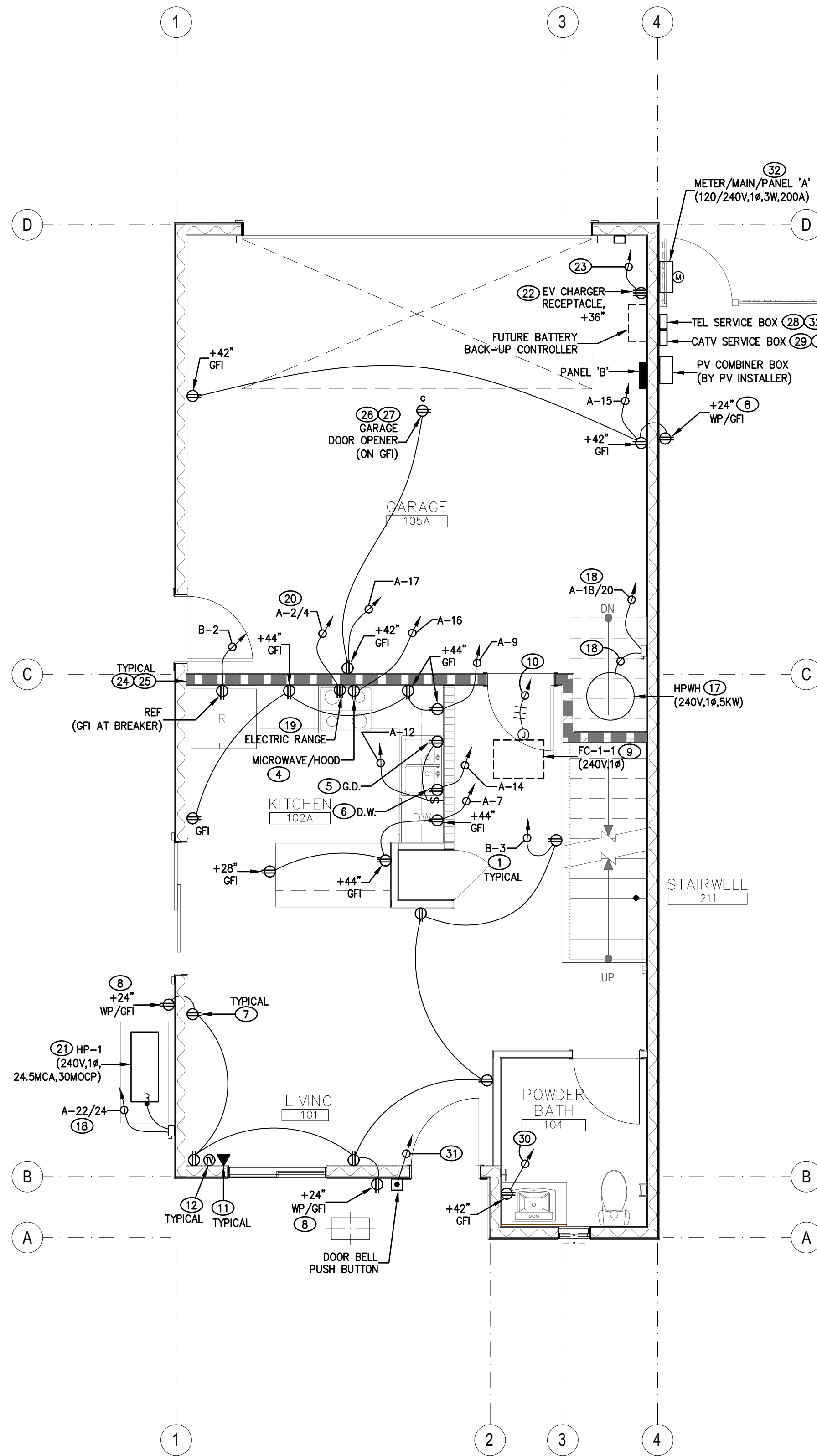
3403 BERNARD STREET
BAKERSFIELD, CALIFORNIA 93306

FOR:

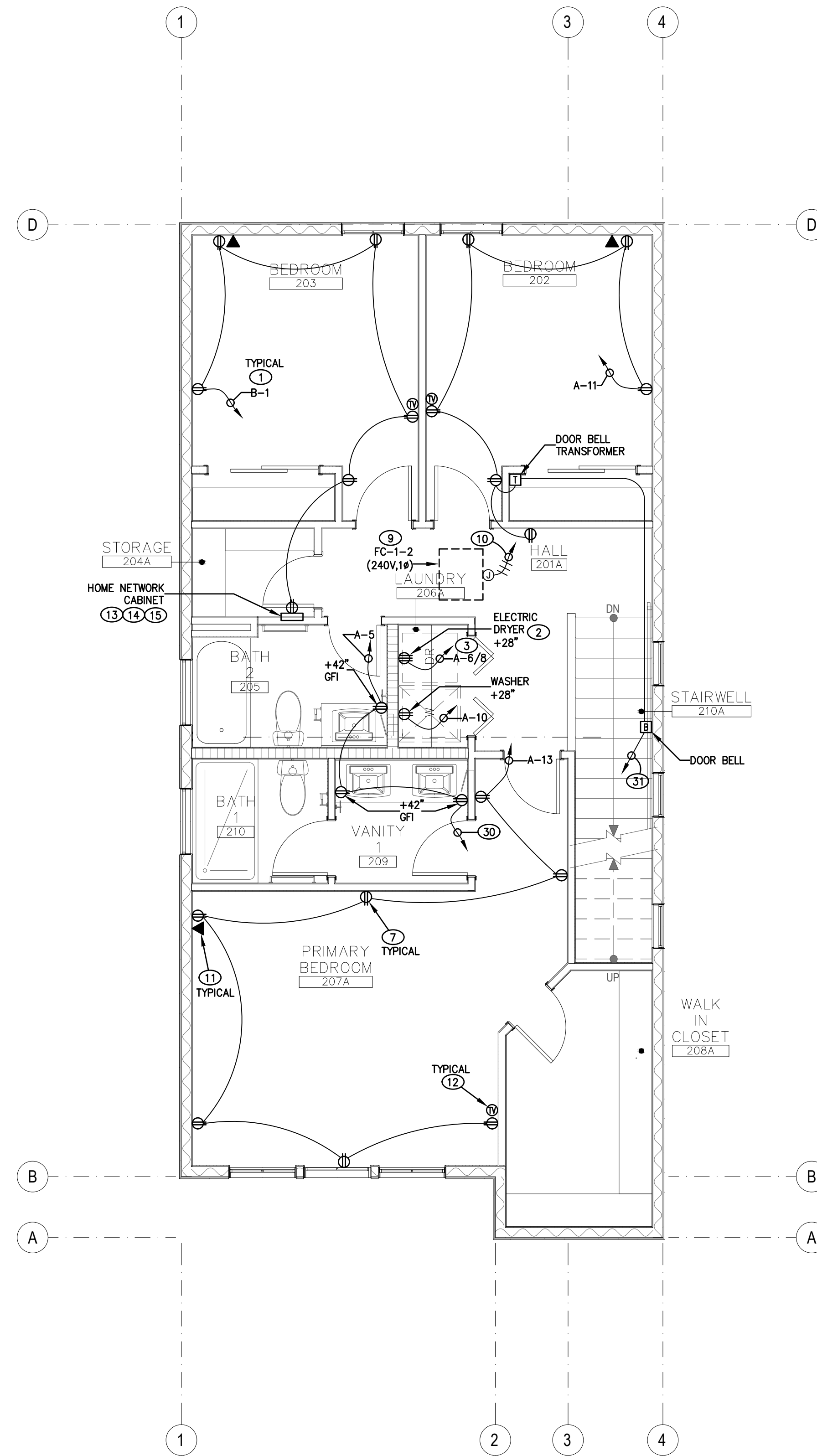


601 24th STREET, SUITE B BAKERSFIELD, CALIFORNIA 93301

MARK	DATE	DESCRIPTION



A2 FIRST FLOOR - POWER PLAN
SCALE: 1/4" = 1'-0"



A2 SECOND FLOOR - POWER PLAN
SCALE: 1/4" = 1'-0"

POWER PLAN NOTES:

- ① TYPICAL: ALL 120-VOLT, SINGLE PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DEN, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION-TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT PER NEC 210.12(A)(1) THROUGH (6).
- ② PROVIDE 120/250V 30A RECEPTACLE FOR DRYER.
- ③ 3/10 + 1/10 GROUND, ROMEX.
- ④ PROVIDE RECEPTACLE FOR MICROWAVE/HOOD. VERIFY MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- ⑤ PROVIDE RECEPTACLE BELOW SINK FOR GARBAGE DISPOSAL. PROVIDE SWITCH ON WALL.
- ⑥ PROVIDE RECEPTACLE BELOW SINK FOR DISHWASHER.
- ⑦ TYPICAL: ALL DWELLING UNIT RECEPTACLES SHALL BE TAMPER RESISTANT TYPE.
- ⑧ PROVIDE WEATHERPROOF/GFI RECEPTACLE IN WALL. RECEPTACLE SHALL BE LISTED WEATHER-RESISTANT TYPE. RECEPTACLE SHALL HAVE "WEATHERPROOF WHILE IN USE COVER".
- ⑨ CONNECT F.C. FC IS POWERED FROM HP UNIT. VERIFY CONNECTION LOCATION AND REQUIREMENT WITH SUPPLIER PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR SHALL PROVIDE CONTROL CONDUITS, WIRING AND CONNECTION AS DIRECTED BY MECHANICAL.
- ⑩ RUN 3/4" WITH WIRING TO ODU AS DIRECTED BY MECHANICAL CONTRACTOR.
- ⑪ TYPICAL OF ALL TEL OUTLETS: PROVIDE AS BOX WITH 1-GANG RING AND FACEPLATE WITH ONE RJ-11 JACK FOR TEL. RUN ONE CAT-6 CABLE FROM TEL JACK TO HOME NETWORK CABINET.
- ⑫ TYPICAL OF ALL TV OUTLETS: PROVIDE AS BOX WITH 1-GANG RING AND FACEPLATE WITH ONE COAX JACK FOR CATV. RUN ONE RG6 COAX CABLE FROM TV JACK TO HOME NETWORK CABINET.
- ⑬ HOME NETWORK CABINET SHALL BE LEVITON STRUCTURED MEDIA ENCLOSURE WITH COVER #4705-28W OR EQUAL. PROVIDE BRIDGED TELEPHONE MODULE, CATEGORY 5E VOICE, DATA MODULE, AND 6-WAY VIDEO SPLITTER. FLUSH MOUNT IN PANEL IN WALL.
- ⑭ RUN TWO CAT-6 CABLES FROM HOME NETWORK CABINET TO TELEPHONE SERVICE BOX.
- ⑮ RUN TWO RG6 COAX CABLE FROM HOME NETWORK CABINET TO CATV SERVICE BOX.
- ⑯ PROVIDE RECEPTACLE INSIDE HOME NETWORK CENTER PANEL. CONNECT TO CIRCUIT INDICATED.
- ⑰ CONNECT ELECTRIC WATER HEATER. PROVIDE NON-FUSED DISCONNECT SWITCH ON WALL NEXT TO WATER HEATER AS DISCONNECT. VERIFY CONNECTION LOCATION AND POWER REQUIREMENT WITH PLUMBING CONTRACTOR.
- ⑱ 2/10 + 1/10 GROUND, ROMEX.
- ⑲ PROVIDE 120/250V 50A RECEPTACLE FOR RANGE.
- ⑳ 3/10 + 1/10 GROUND, ROMEX.
- ㉑ VERIFY LOCATION AND CONNECTION REQUIREMENT OF HP UNIT WITH MECHANICAL CONTRACTOR. PROVIDE WP NON-FUSED DISCONNECT ON WALL. FINAL CONNECTION TO HP UNIT SHALL BE MADE WITH 3/4" LIQUID-TIGHT FLEX CONDUIT WITH 2/10 + 1/10 GROUND. PROVIDE HACR TYPE CIRCUIT BREAKER AT PANEL FOR OVERCURRENT PROTECTION. ELECTRICAL CONTRACTOR SHALL PROVIDE CONTROL CONDUITS, WIRING AND CONNECTION AS DIRECTED BY MECHANICAL.
- ㉒ PROVIDE 120/250V 50A L14-50R RECEPTACLE FOR EV CHARGER.
- ㉓ 1" - 3/16 + 1/10 GND.
- ㉔ TYPICAL: REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATED WALL LOCATIONS. REFER TO FIRE RATED AREAS NOTES ON SHEET E3.0 FOR REQUIREMENT.
- ㉕ OUTLET IN THE RESIDENCE/GARAGE SEPARATION WALL SHALL BE SEPARATED BY A MINIMUM OF 24" HORIZONTALLY, WHERE 24" SEPARATION IS NOT SHOWN, PROVIDE RATED BOXES AT THESE LOCATIONS. 2022 CBC 713.2 EXC. 1.1-1.5.
- ㉖ PROVIDE CEILING MOUNTED RECEPTACLE FOR GARAGE DOOR OPENER. RECEPTACLE TO BE CONTROLLED BY UPSTREAM GFI RECEPTACLE.
- ㉗ CONTRACTOR SHALL ALSO PROVIDE LOW VOLTAGE CABLES FOR GARAGE DOOR SENSORS AND PUSH BUTTON AS DIRECTED BY OWNER.
- ㉘ TEL BOX TO BE PROVIDED BY TEL COMPANY. RUN 1/2" WITH 1/16 GROUND TO UFER GROUND AT BUILDING ELECTRICAL SERVICE EQUIPMENT.
- ㉙ CATV BOX TO BE PROVIDED BY CATV COMPANY. RUN 1/2" WITH 1/16 GROUND TO UFER GROUND AT BUILDING ELECTRICAL SERVICE EQUIPMENT.
- ㉚ WIRING BETWEEN BATHROOM RECEPTACLES ON FIRST AND SECOND FLOOR.
- ㉛ PROVIDE WIRING BETWEEN DOOR BELL PUSH BUTTON AND DOOR BELL.
- ㉜ SERVICE EQUIPMENT VARIES BETWEEN THE BUILDINGS. SEE SITE ELECTRICAL PLAN FOR LOCATION. VERIFY EXACT LOCATIONS WITH ARCHITECT.

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ARCHITECT C-36742

CITY VIEW HOUSING PROJECT

A 37-UNIT SINGLE-FAMILY AFFORDABLE HOUSING PROJECT

3403 BERNARD STREET
BAKERSFIELD, CALIFORNIA 93306

FOR:



601 24th STREET, SUITE B BAKERSFIELD, CALIFORNIA 93301

MARK	DATE	DESCRIPTION

JOB NUMBER:

2305

CAD DRAWING FILE:

2305 City View SD28

DRAWN BY:

E.R.W.

CHECKED BY:

L.A.

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. THE DRAWINGS, IDEAS, AND DESIGNS REPRESENTED ON THIS SHEET ARE THE PROPERTY OF THE ARCHITECT.

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SHEET TITLE

FIRST AND SECOND FLOOR POWER PLAN

SHEET IDENTIFICATION NUMBER

E-201

SHEETS IN SET 66



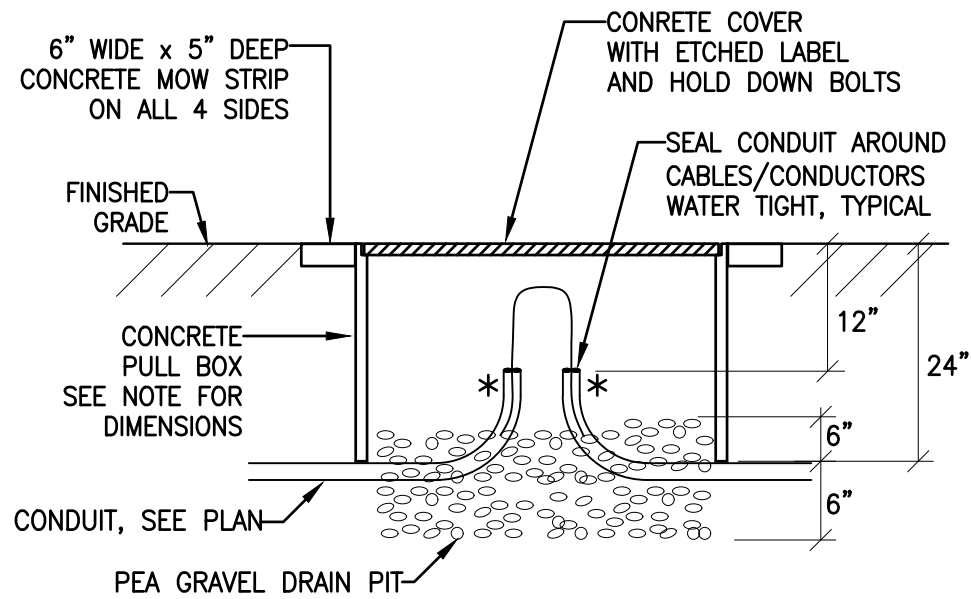
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ENGINEERS, INC.
Electrical Engineering Services
729 W. Enterprise Avenue
Clovis, California 93619
Tel (559) 578-6049

ELECTRICAL MATERIAL SPECIFICATIONS:

- CONDUITS:
- ALL UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 40. ALL UNDERGROUND CONDUITS RUN UNDERNEATH BLDGS SHALL BE RUN BELOW SLAB. ALL UNDERGROUND CONDUITS RUN OUTSIDE OF BLDGS SHALL HAVE MIN 24" COVER.
 - ALL UTILITY SERVICE CONDUITS SHALL BE INSTALLED PER UTILITY COMPANY'S REQUIREMENT.
 - ALL CONDUITS IN BLDGS SHALL BE CONCEALED IN WALL OR ATTICS. CONDUITS SHALL BE EMT, OR METALLIC FLEX CONDUITS FOR CONNECTION TO LIGHTING FIXTURES IN SUSPENDED ACCESSIBLE CEILINGS, MOTORS OR MOTORIZED EQUIPMENT.
 - ALL CONDUITS RUN ON ROOF OR EXPOSED TO WEATHER SHALL BE EMT OR LIQUID-TIGHT FLEX CONDUITS WITH WATER-TIGHT CONNECTION AND FITTINGS.
 - ALL CONDUIT PENETRATION THROUGH ROOF SHALL HAVE ROOF JACKS WITH LEAD FLASHINGS FOR WATER-TIGHT INSTALLATION.
- CONDUCTORS: ALL CONDUCTORS SHALL BE THHN/THWN-2, COPPER, 90-DEGREES CELSIUS TEMPERATURE RATED CONDUCTOR.
- OUTLET BOXES: ALL OUTLETS BOXES SHALL BE STANDARD ONE OR TWO PIECE GALVANIZED STEEL KNOCK-OUT OUTLET BOXES.
- CONVENIENCE OUTLETS: 15A/20A 3P GROUNDING DUPLEX RECEPTACLES WITH WHITE FINISH.
- ALL 120V 15 AMPS AND 20 AMP GFI RECEPTACLES INSTALLED IN DAMP OR WET EXTERIOR LOCATIONS SHALL BE WEATHER-RESISTANT TYPE. RECEPTACLE SHALL HAVE "WEATHERPROOF WHILE IN USE EXTRA-DUTY COVER".
- LIGHT SWITCHES: DECORA 15A/20A QUIET TYPE, MATCH RECEPTACLE'S FINISH.
- WALL PLATES: SMOOTH LINE PLASTIC WITH WHITE FINISH.
- DISCONNECT SWITCHES: HORSEPOWER RATED FUSIBLE TYPE WITH EXTERNAL OPERABLE HANDLE. U.O.N. FUSES SHALL BE DUAL ELEMENT TYPE AS RECOMMENDED BY EQUIPMENT SUPPLIER.
- FIRE RATED AREAS: WHERE LIGHT FIXTURES, CONDUIT, CABINETS, OR BOXES PENETRATE FIRE RATED CEILINGS, WALLS OR FLOORS PROVIDE A FIRE RATED ENCLOSURE AND/OR FIRE STOP. RATING OF ENCLOSURE AND/OR FIRE STOP SHALL MATCH OR EXCEED RATING OF AREA PENETRATED. VERIFY LOCATION OF FIRE RATED AREAS WITH ARCHITECTURAL DRAWINGS AND WITH GENERAL CONTRACTOR. SUBMIT METHOD OF FIRE STOPPING TO BUILDING INSPECTOR FOR APPROVAL PRIOR TO INSTALLATION.
- ELECTRICAL BOXES (MAXIMUM 16 SQUARE INCHES) INSTALLED IN OPPOSITE SIDES OF RATED WALLS SHALL BE SEPARATED BY MINIMUM 24" HORIZONTALLY.

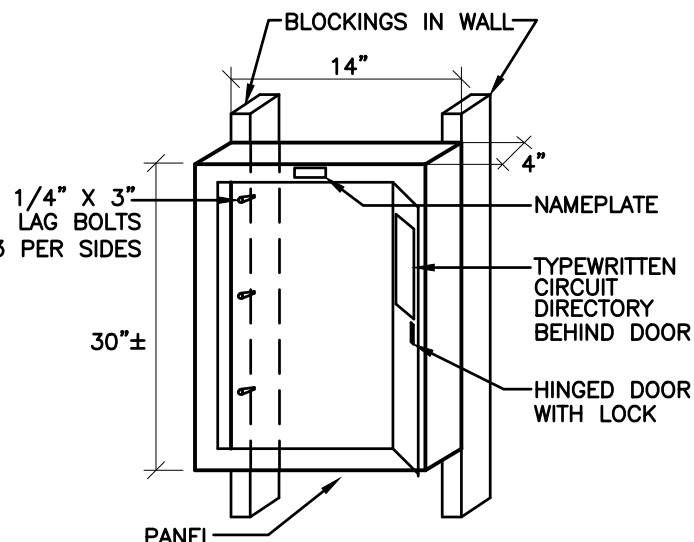
FIXTURE SCHEDULE									
TYPE	WATT	LAMP	VOLT	MANUFACTURER	CATALOG No.	MTG	NOTES		
UA	14	LED	120	LITHONIA	WF6-LED-30K40K50K-90CRI-MW	REC.	KITCHEN, IC RATED AND AIRTIGHT (SET AT 40K)		
UB	16				FMSATL-13-14B-40-BN	CLG.	BATHROOM		
UC	26				FMVCSL-24IN-MVOLT-40K-90CRI-BN	WALL	VANITY		
UD	14				WF6-LED-30K40K50K-90CRI-MW	REC.	HALL, IC RATED AND AIRTIGHT (SET AT 40K)		
UE	120	JAB LED		HUNTER	ANSLEE WITH MATT SILVER FINISH	CLG.	LIVING ROOM		①
UF					ANSLEE WITH MATT SILVER FINISH		BEDROOM		①
UG	8	LED		MANNING LIGHTING	DS-101-WMG-S8-40-D2-120-WH	WALL	STAIRWELL (VERIFY FINISH WITH ARCHITECT)		
UH	17			LITHONIA	SBL2-2000LM-80CRI-40K-NODIM-MVOLT	SURF	STORAGE		
UJ	50				SBL4-6000LM-80CRI-40K-MIN10-G2T-MVOLT		GARAGE		
UK	10			LUMARK	XTOR1B-W-BZ	WALL	PORCH, PATIO (VERIFY FINISH WITH ARCHITECT)		
UL				TERON	SPTLG-L13.0-120V-TRIAC-BZ-40K		GARAGE EXTERIOR (VERIFY FINISH WITH ARCHITECT)		
UM	41			LITHONIA	SBL4-4800LM-80CRI-40K-MIN10-G2T-MVOLT	SURF	WALK-IN CLOSET		
SA	33	LED	120	LITHONIA	DSXO-LED-P1-40K-T3M-MVOLT-SPA-HS-DOBXD-SSS-16-4C	POLE	VERIFY FINISH WITH ARCHITECT		

① VERIFY CEILING FAN SELECTION AND FINISH WITH ARCHITECT.



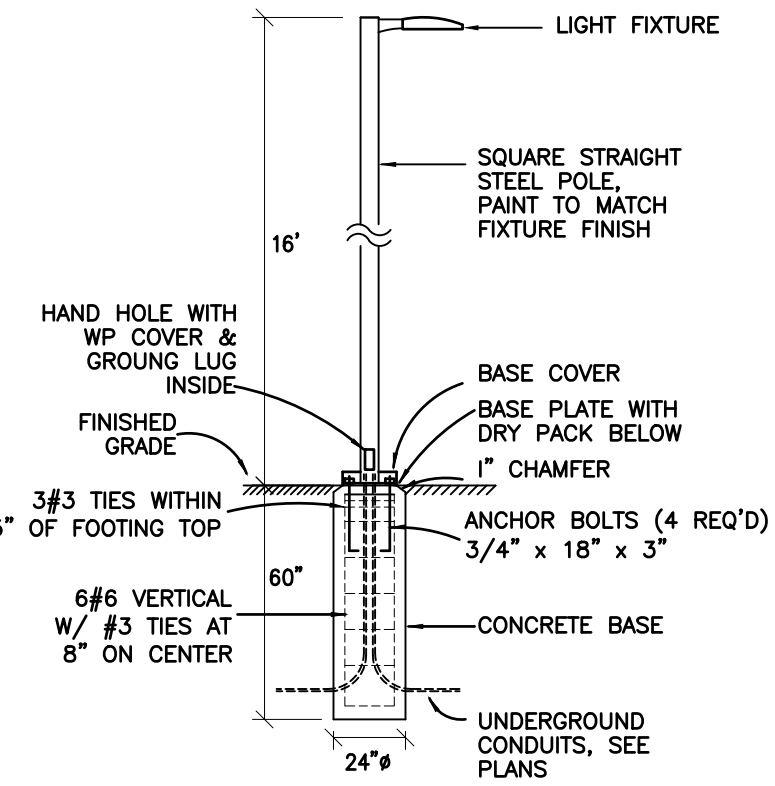
PULL BOX DETAIL

NTS
* TAG ALL CONDUITS AT BOTH ENDS TO IDENTIFY: SERVICE & ORIGIN/DESTINATION.



SURFACE PANEL MTG

NTS



POLE LIGHT DETAIL

NTS

ELECTRICAL SYMBOLS

- Ⓐ DENOTES LIGHTING FIXTURE TYPE
- Ⓐ-3 ELECTRICAL HOMERUN (TO PANEL A, CIRCUIT #3), 3/4" MINIMUM, U.O.N.
- CONDUIT RUN IN WALL / ATTIC (1/2" - 2 1/2" + 1/12 GND, THHN/THWN-CU)
- CONDUIT RUN IN FLOOR OR UNDERGROUND (1/2" - 2 1/2" + 1/12 GND, THHN/THWN-CU)
- HASH LINES DENOTE NUMBER OF #12 + 1/12 GND (THHN/THWN-CU), U.O.N. 1/2" FOR UP TO 3/12 + 1/12 GND, 3/4" FOR 6/12 TO 10/12 + 1/12 GND.
- FLEXIBLE CONDUIT CONNECTION
- ELECTRICAL PANEL
- TERMINAL CABINET
- DUPLEX RECEPTACLE IN WALL (+15" BOTTOM OF BOX AFF)
- QUADRUPLUX RECEPTACLE IN WALL (+15" BOTTOM OF BOX AFF)
- 220V, 20A, 2P, 3W RECEPTACLE IN WALL (+15" BOTTOM OF BOX AFF)
- SPECIAL OUTLET AS NOTED ON DRAWING (+15" BOTTOM OF BOX AFF)
- TELEPHONE OUTLET IN WALL (+15" BOTTOM OF BOX AFF)
- COMBINATION TELEPHONE/DATA OUTLET, (+15" BOTTOM OF BOX AFF)
- DATA OUTLET, (+15" BOTTOM OF BOX AFF)
- FLUSH FLOOR BOX
- FLUSH FLOOR BOX WITH ELECTRICAL DEVICE AS INDICATED
- JUNCTION BOX
- JUNCTION BOX WITH FLEX CONNECTION
- MOTOR OUTLET
- FUSED DISCONNECT SWITCH, BY ELECTRICAL CONTRACTOR, U.O.N.
- CEILING MOUNTED LIGHTING FIXTURE WITH LIGHTING OUTLET
- WALL MOUNTED LIGHTING FIXTURE WITH LIGHTING OUTLET
- RECESSED MOUNTED LIGHTING FIXTURE WITH LIGHTING OUTLET
- LIGHTING FIXTURE
- LIGHTING FIXTURE WITH LIGHTING OUTLET
- *1" DENOTES CIRCUIT NUMBER, "0" DENOTES SWITCHING
- SINGLE POLE SWITCH (+48" TOP OF BOX AFF)
- 3-WAY SWITCH (+48" TOP OF BOX AFF)
- TWO SINGLE POLE SWITCHES, GANGED IN SAME BOX (+48" TOP OF BOX AFF)
- TELEVISION OUTLET (+15" U.O.N.)
- PHOTOCONTROL (ROOF MOUNTED, U.O.N.)
- ELECTRICAL NOTE #1 (REFER TO ELECT NOTES ON SAME SHEET)
- WP WEATHERPROOF
- U.O.N. UNLESS OTHERWISE NOTED
- NL NIGHT LIGHT (LIGHT TO REMAIN ON 24/7)
- ENL EXTERIOR NIGHT LIGHT (CONTROLLED VIA PHOTOCELL ON, PHOTOCELL OFF)
- GFI GROUND FAULT CIRCUIT INTERRUPTER
- AFF ABOVE FINISHED FLOOR
- (E) EXISTING
- WALL MOUNTED WP EMERGENCY LIGHT
- WALL DIMMER SWITCH WITH OCCUPANCY SENSOR, (+48" TOP OF BOX AFF)
- LIGHTING CONTROL OCCUPANCY SENSOR, (+48" TOP OF BOX AFF)
- DIMMER SWITCH, (+48" TOP OF BOX AFF)
- VACANCY SENSOR SWITCH, (+48" TOP OF BOX AFF)
- KEYED SWITCH, (+48" TOP OF BOX AFF)
- LIGHTING CONTROL OCCUPANCY SENSOR, CEILING MOUNTED
- AUTOMATIC DAYLIGHTING SENSOR, CEILING MOUNTED
- LIGHTING CONTROL POWER PACK, ACCESSIBLE ATTIC
- PLUG LOAD POWER PACK, ACCESSIBLE ATTIC
- POWER OUTLET WITH ONE CONTROLLED DUPLEX RECEPTACLE AND ONE NON-CONTROLLED DUPLEX RECEPTACLE (+15" BOTTOM OF BOX A.F.F.)
- RECEPTACLE ON CEILING

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CITY VIEW HOUSING PROJECT

A 37-UNIT SINGLE-FAMILY AFFORDABLE HOUSING PROJECT

3403 BERNARD STREET
BAKERSFIELD, CALIFORNIA 93306

FOR:



601 24th STREET, SUITE B BAKERSFIELD,
CALIFORNIA 93301

MARK	DATE	DESCRIPTION

JOB NUMBER:
2305

CAD DRAWING FILE:
2305 City View-SD28

DRAWN BY:
E.R.W.
CHECKED BY:
L.A.

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. THE DRAWINGS, IDEAS, AND DESIGNS REPRESENTED ON THIS SHEET ARE THE PROPERTY OF THE ARCHITECT.

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SHEET TITLE
SYMBOLS, SCHEDULES,
DETAILS

SHEET IDENTIFICATION NUMBER

E-300

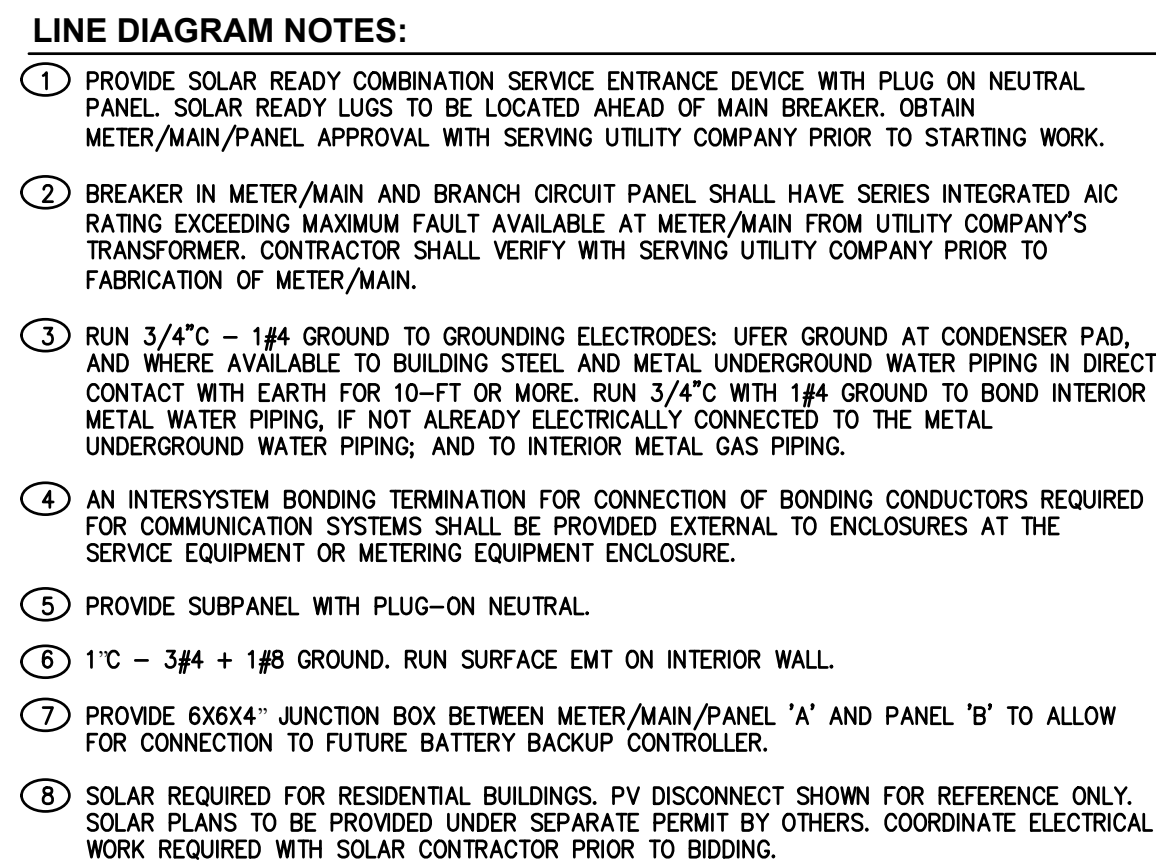
SHEETS IN SET 66



CHEN
ENGINEERS, INC.
Electrical Engineering Services
729 W. Enterprise Avenue
Clovis, California 93619
Tel (559) 578-6049

- (1) PROVIDE BREAKER TIE FOR MULTIWIRED BRANCH CIRCUITS.
- (2) PROVIDE LOCK-OFF DEVICE AT BREAKER HANDLE FOR SERVICING OF EQUIPMENT.

- (1) SEE LOAD CALCULATION.
- (2) PROVIDE COMBINATION-TYPE AFCI CIRCUIT BREAKER. (PARALLEL PLUS SERIES ARCING PROTECTION).
- (3) DUAL FUNCTION COMBINATION-TYPE AFCI AND GFCI. (PARALLEL PLUS SERIES ARCING PROTECTION AND GFI PROTECTION).
- (4) PROVIDE HAOE TYPE CIRCUIT BREAKER. VERIFY BREAKER SIZE WITH MECHANICAL.
- (5) PROVIDE LOCK-OFF DEVICE AT BREAKER HANDLE FOR SERVICE OF EQUIPMENT.
- (6) PROVIDE CLASS "A" GFCI TYPE CIRCUIT BREAKER.
120-VOLT CIRCUIT ON GFCI BREAKER REQUIRES ITS OWN NEUTRAL.
- (7) VERIFY BREAKER SIZE WITH SOLAR CONTRACTOR.



ARC-FLASH HAZARD WARNING:

PER CEC 110-16, ELECTRICAL EQUIPMENT SUCH AS SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS, THAT ARE WELL KNOWN TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING OR MAINTENANCE WHILE ENERGIZED MUST BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRICAL ARC FLASH HAZARDS. THE MARKING SHALL MEET THE REQUIREMENTS IN 110.2(B) AND SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING OR MAINTENANCE OF THE EQUIPMENT.

110.21(B) FIELD—APPLIED HAZARD MARKINGS: WHERE CAUTION, WARNING, OR DANGER SIGNS OR LABELS ARE REQUIRED BY THE CEC, THE LABELS SHALL MEET THE FOLLOWING REQUIREMENTS:

- (1) THE MARKING SHALL ADEQUATELY WARN OF THE HAZARD USING EFFECTIVE WORDS AND/OR COLOR AND/OR SYMBOLS.
- (2) THE LABEL SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT OR WRITING METHOD NAD SHALL NOT BE HAND WRITTEN.
EXCEPTION TO (2): PORTIONS OF LABELS OR MARKINGS THAT ARE VARIABLE, OR THAT COULD BE SUBJECT TO CHANGES, SHALL BE PERMITTED TO BE HAND WRITTEN AND SHALL BE LEGIBLE.
- (3) THE LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.

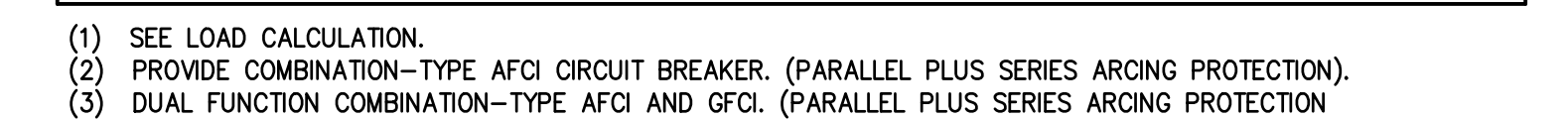
AVAILABLE FAULT CURRENT FIELD MARKING:

PER CEC ARTICLE 110.24(A) FIELD MARKING. SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT-CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.

PER CEC ARTICLE 110.24(B) MODIFICATIONS, WHEN MODIFICATIONS TO THE ELECTRICAL INSTALLATION OCCUR THAT AFFECT THE MAXIMUM AVAILABLE FAULT CURRENT AT THE SERVICE, THE MAXIMUM AVAILABLE FAULT CURRENT SHALL BE VERIFIED OR RECALCULATED AS NECESSARY TO ENSURE THE SERVICE EQUIPMENT RATINGS ARE SUFFICIENT FOR THE MAXIMUM AVAILABLE FAULT CURRENT AT THE LINE TERMINALS OF THE EQUIPMENT THE REQUIRED FIELD MARKING(S) IN 110.24(A) SHALL BE ADJUSTED TO REFLECT THE NEW LEVEL OF MAXIMUM AVAILABLE FAULT CURRENT.

EXCEPTION: THE FIELD MARKING REQUIREMENTS IN 110.24(A) AND 110.24(B) SHALL NOT BE REQUIRED IN INDUSTRIAL INSTALLATIONS WHERE CONDITIONS OF MAINTENANCE AND SUPERVISION ENSURE THAT ONLY QUALIFIED PERSONS SERVICE THE EQUIPMENT.

SQUARE FOOTAGE = 1,476. SF



- ① MAXIMUM IN SERVICE PESTEDAL/PANEL SHALL HAVE SERIES INTEGRATED ARC RATING EXCEEDING BREAKER FAULT AVAILABLE AT PESTEDAL/ PANEL FROM UTILITY COMPANY'S TRANSFORMER.
- ② PESTEDAL/PANEL SHALL BE PROVIDED WITH SERVING UTILITY COMPANY FOR COOPERATION OF SERVICE PESTEDAL/PANEL.
- ③ 3/4" WITH 1/4" GROUND FROM PESTEDAL/PANEL TO TWO 5/8" X 8" FT COPPER GROUND ROD. EACH GROUND ROD SHALL BE 6' LONG. EACH GROUND ROD SHALL BE 1/2" DIAMETER. EACH SINGLE GROUND ROD GROUNDING ELECTRODE HAS A RESISTANCE TO EARTH OF 25 OHMS OR LESS. THE SECOND GROUND ROD SHALL NOT BE REQUIRED.
- ④ PROVIDE SERVICE CONDUIT FROM SERVICE PESTEDAL TO EXISTING POKE SERVICE FACILITY. EXIST CONDUIT AND SIZE AND TYPE TO BE DETERMINED BY THE ELECTRICAL ENGINEER.
- ⑤ SERVICE PESTEDAL WITH METER/MANUAL/ATC CONTROL SHALL BE TESCO 27-100 M.
- ⑥ PROVIDE AESTHETIC TWO LOCK AND 30A/8" CONTACTOR. WIRE TO CONTROL LIGHTING CIRCUITS E18, E32, E70 & E11 AT SINGLE OFF M. SUPPLY



NOT FOR CONSTRUCTION

FOR:



601 24th STREET, SUITE B BAKERSFIELD,
CALIFORNIA 93301

MARK	DATE	DESCRIPTION

JOB NUMBER

2305

AD DRAWING FILE:
5 City View SD2

DRAWN BY:
FRW

CHECKED BY
LA

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT.

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SHEET TITLE

LINE DIAGRAM, PANEL SCHEDULES

SHEET IDENTIFICATION NUMBER

E-301

SHEETS IN SET 66



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