



County of Madera GENERAL SERVICES

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Issue Date: Wednesday, July 15, 2026

THE COUNTY OF MADERA
GENERAL SERVICES

ADDENDUM NUMBER FIVE (5)
PROJECT NUMBER: RFP #2026-03

Madera County Riverstone Fire Station

RESPONDERS PLEASE NOTE:

The following information is provided:

This Addendum forms part of the Contract Documents. It modifies the original Project Manual and Drawings, as well as Addendums previously issued, as noted below. Bidders are required to acknowledge receipt of this Addendum on the space provided in the Proposal Form. Failure to acknowledge receipt of this Addendum may subject bidders to disqualification.

DRAWINGS

- Replace the following sheet(s) with updated, revised or new sheets included in Addendum No. 5. Changes and/or updates are clouded:

ELECTRICAL

- **ES-103***

- *Sheet was inadvertently left out of Addendum No. 4

No additional Request For Clarifications (RFCs) will be accepted prior to bid date.

COUNTY OF MADERA

Project #2026-03

Jorge Mendoza
Capital Projects Manager

Company Name:

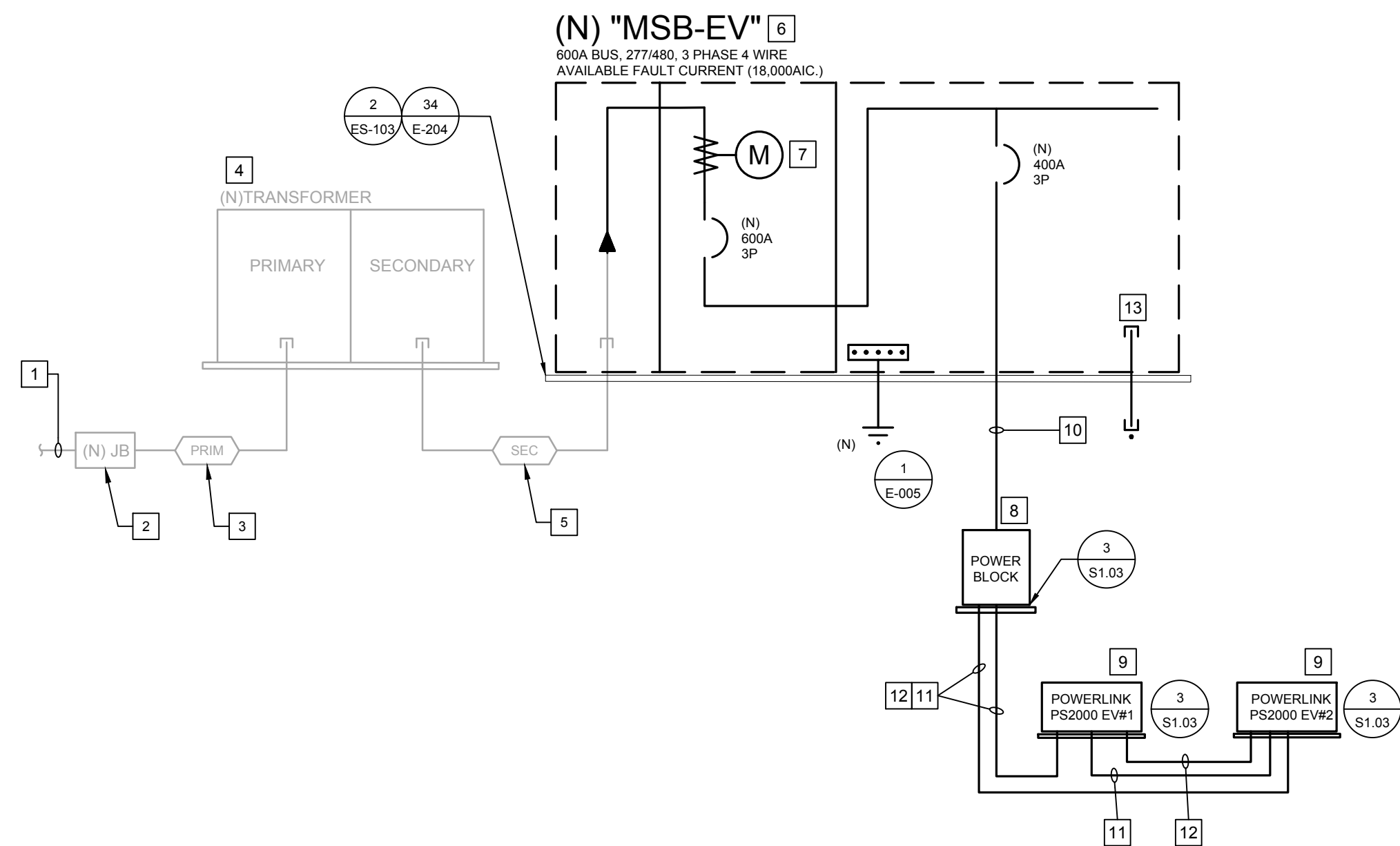
Acknowledged by:

END OF ADDENDUM FIVE

Jun 15, 2026 - 9:05pm - CHB - K:ENG\2022\22-8049\22-8049_ES103_ENLARGED EV BUS CHARGING ELECTRICAL SITE PLAN AND EV SLD.dwg

3 EV BUS SINGLE LINE DIAGRAM

ES-103

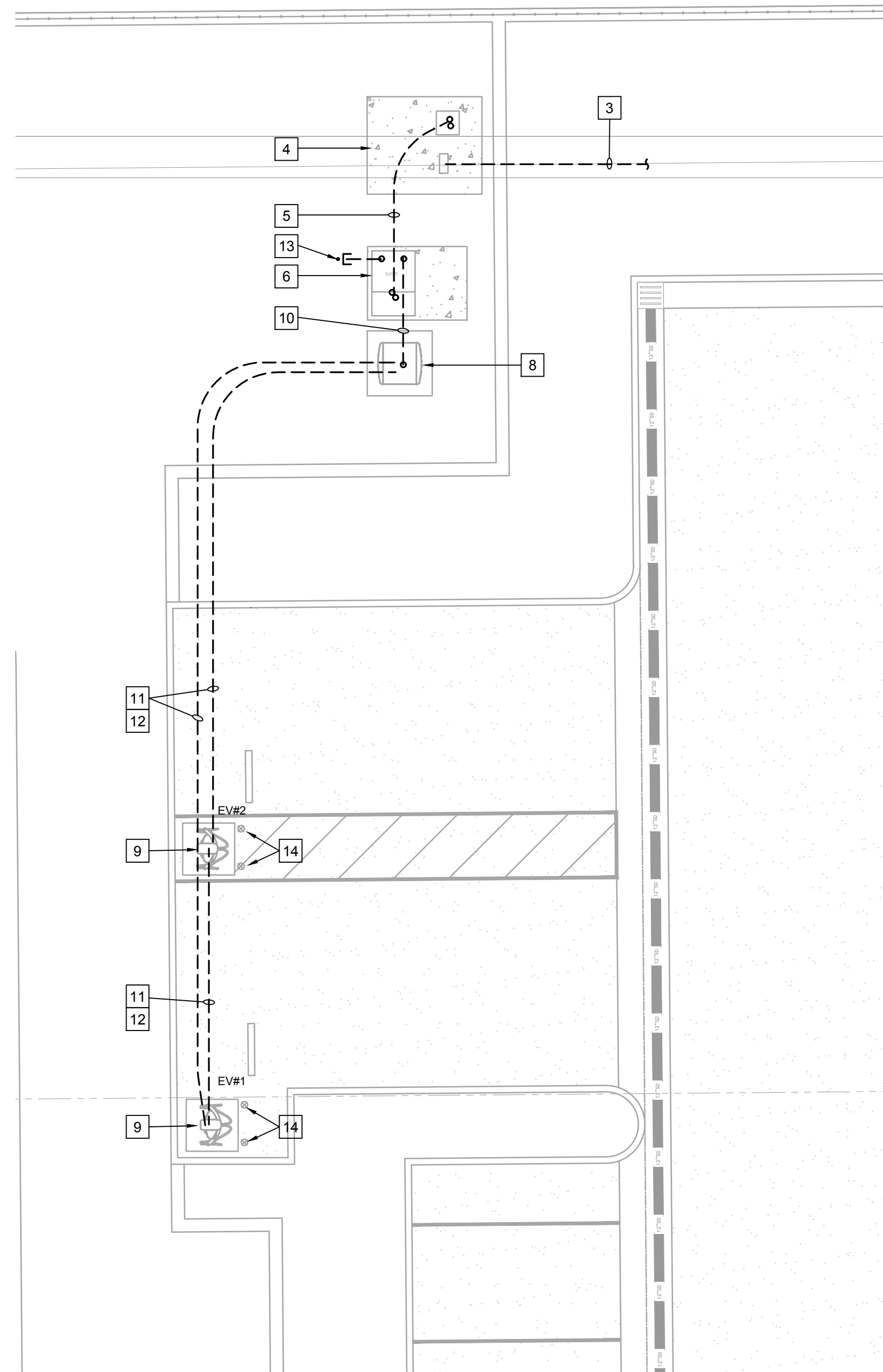


SINGLE LINE DIAGRAM NOTES

- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT AND COORDINATE WITH THE SERVING UTILITY TO ENSURE ALL SERVING UTILITY REQUIREMENTS ARE MET.
- SERVICE ENTRANCE EQUIPMENT SHALL BE IN ACCORDANCE WITH THE SERVING ELECTRIC UTILITY COMPANY'S REQUIREMENTS.
- SERIES RATINGS SHALL NOT BE PERMITTED.
- AC CONDUCTORS SHALL BE COPPER WITH TYPE [THHN/THWN-2] INSULATION WIRED RATED FOR 90 DEGREE C AT 600V
- DC CONDUCTORS SHALL BE COPPER WITH TYPE [XHHW/XHHW-2] INSULATION WIRED RATED 90 DEGREE C AT 1000V.
- USE COPPER LUGS FOR COPPER WIRES. THE LUGS MUST BE NICKEL, TIN, OR SILVER PLATED COMPRESSION (NOT MECHANICAL) LUGS. NICKEL-PLATED LUGS INSTALLED WITH DIELECTRIC GREASE IS RECOMMENDED.
- ALL SWITCHES, CIRCUIT BREAKERS AND OTHER EQUIPMENT, AS SPECIFIED, SHALL HAVE TERMINATION PROVISIONS LISTED AND IDENTIFIED FOR USE WITH 75 DEG. CONDUCTORS, AND ALL FEEDER CONDUCTORS, AND CONDUITS, ARE SIZE BASED ON USE OF 75 DEG. C COPPER WIRES TYPE THWN/THHN.
- DESIGN SHOWN IS BASED ON SIEMENS PRODUCT. ENGINEER-APPROVED EQUAL ALTERNATE PRODUCT WILL BE ACCEPTABLE.
- ALL EQUIPMENT SHALL HAVE AN APPROVED TESTING LABORATORY LABEL ATTACHED [UL, CSA, ETC.] (CEC 110-2).
- BRANCH CIRCUIT/FEEDER DISTANCE IS SHOWN FOR REFERENCE ONLY AS THE BASIS OF VOLTAGE DROP CALCULATIONS. CONDUCTOR DISTANCE AS INDICATED SHALL NOT BE USED FOR BIDDING/CONSTRUCTION PURPOSES. SHOULD THE FEEDER DISTANCE EXCEED THE LENGTH NOTED PER INSTALLATION CONDITIONS, NOTIFY THE ENGINEER OF RECORD. TYPICAL.
- ELECTRICAL CONTRACTOR SHALL BE REQUIRED TO OBTAIN PG&E APPROVAL ON SWITCHBOARD PRIOR TO ORDERING.
- COORDINATE WITH OWNER'S EV VENDOR FO CONDUIT STUB UP REQUIREMENTS PRIOR TO NEW CONCRETE PAD INSTALLATION. RECOMMEN USING THE MANUFACTURER CONCRETE MOUNT TEMPLATE WITH STUB-UP WIRING ENTRY.

1 ENLARGED EV BUS CHARGING ELECTRICAL SITE PLAN

ES-103 SCALE: 1/8" = 1'-0"



REFERENCE NOTES

DETAILS 1 & 3

- PG&E TO INTERCEPT EXISTING PRIMARY CONDUIT AND EXTEND TO NEW PG&E PAD JUNCTION, BUILDING TRANSFORMER AND BUS EV CHARGER TRANSFORMER.. (RULE 29)
- NEW PG&E PAD JUNCTION 3-WIRE - 4-WAY INSTALLED AND FURNISHE BY PG&E. (RULE 29)
- NEW (1) 4" CONDUIT PG&E PRIMARY (BETWEEN TRANSFORMER AND PAD J AS PER PG&E REQUIREMENTS. INSTALLED BY PG&E. (RULE 29). REFER TO SHEET ES-101 FOR CONTINUATION
- NEW UTILITY TRANSFORMER (106"X90") TO SERVE NEW EV CHARGERS INSTALLED AND FURNISHED BY PG&E. (RULE 29)
- EC TO INSTALL PG&E SECONDARY SERVICE CONDUIT TO EDGE OF TRANSFORMER PAD. PG&E WILL EXTEND INSIDE TRANSFORMER PAD. COORDINATE WITH PG&E PRIOR TO ROUGH-IN. NEW (2) 5" SECONDARY SERVICE CONDUIT PER PG&E REQUIREMENTS. (RULE 29)
- EC TO INSTALL AND FURNISHED NEW SWITCHBOARD "MSB-EV" SHALL BE SERVICE RATED EQUIPMENT. RATING AS INDICATED. PROVIDE WITH NEMA 3R ENCLOSURE.
- NEW UTILITY METER. METER SHALL BE INSTALLED AND MEET ALL UTILITY EUSERC REQUIREMENTS.
- POWER BLOCK FURNISHED AND INSTALL BY OWNER'S VENDOR. (CHARGEPOINT #EXPP-PB1000-350-PD). COORDINATE WITH VENDOR FOR CONCRETE MOUNTING KIT.
- LEVEL 3 EV CHARGER STATION FURNISHED AND INSTALL BY OWNER'S VENDOR. (CHARGE POINT POWER LINK PL2000 SERIES). COORDINATE WITH VENDOR FOR CONCRETE MOUNTING KIT.
- NEW FEEDER. PROVIDE AND INSTALL (1)4"C (PVC 40) WITH (3)600KCMIL THWN AND (1) 600KCMIL AND (1)#2 CU GROUND.
- PROVIDE AND INSTALL 1-4"CONDUIT ONLY FOR HV (DC) CABLES INSTALLED BY OWNER'S VENDOR. COORDINATE WITH VENDOR PRIOR TO ROUGH-IN.
- PROVIDE AND INSTALL 1"CONDUIT ONLY FOR 48V (DC) CABLES INSTALLED BY OWNER'S VENDOR. COORDINATE WITH VENDOR PRIOR TO ROUGH-IN.
- STUB AND CAP 2-2"C.O. (PVC 40) FOR FUTURE USE.
- PROVIDE PROTECTIVE BOLLARDS PER MANUFACTURER REQUIREMENTS. COORDINATE WITH VENDOR PRIOR TO ROUGH-IN. TYPICAL OF 2 PER CHARGING STATION.



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EXPIRES: 09/30/26
THOMA #22-8049

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RIVERSTONE FIRE STATION

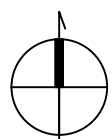
NORTHWEST CORNER OF AVENUE 11 AND ROAD 40

ENLARGED EV BUS CHARGING
ELECTRICAL SITE PLAN AND EV SINGLE LINE DIAGRAM

NO.	REVISION	DATE
△ C1	EV BUS CHARGE	6/12/26
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△		
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PROJECT MANAGER CJ	
DRAWN BY TR	CHECKED BY CJ, JT
DATE APRIL 30, 2026	
PROJECT NUMBER 2471-01-CI21	

SHEET	ES-103
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BIDSET