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<tr>
<td><strong>Docket Number:</strong></td>
<td>00-AFC-02C</td>
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<tr>
<td><strong>Project Title:</strong></td>
<td>Mountainview Power Plant - Compliance</td>
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<tr>
<td><strong>TN #:</strong></td>
<td>240640</td>
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<tr>
<td><strong>Document Title:</strong></td>
<td>Mountainview Generation Preliminary Submittal</td>
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<tr>
<td><strong>Description:</strong></td>
<td>N/A</td>
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<td><strong>Filer:</strong></td>
<td>Jan Whitson</td>
</tr>
<tr>
<td><strong>Organization:</strong></td>
<td>Southern California Edison</td>
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<td><strong>Submitter Role:</strong></td>
<td>Public</td>
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<tr>
<td><strong>Submission Date:</strong></td>
<td>11/19/2021 8:29:45 AM</td>
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<td><strong>Docketed Date:</strong></td>
<td>11/19/2021</td>
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EXISTING 1200A, 3Ø 480V, MAIN SWITCH BOARD

PROPOSED CHARGING FOR FLEET PARKING

PROPOSED CHARGING FOR EMPLOYEE PARKING

LOCATION 2
NOTES:

1. FULL JOINT AT EXPANSION WHERE JOINTER NOT USED.
2. ADD APPLICABLE CONCRETE JOINTER REQUIREMENTS.
3. FACE OF CURB OR EDGE OF SIDEWALK

CONCRETE SIDEWALK

EV CHARGING ONLY

NO PARKING

EV CHARGING ONLY

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CONCRETE SIDEWALK
INSTALL EVSE AND CHARGER PEDESTAL TO BE
7" (MIN)

NOT TO SCALE
112.5KVA STEP DOWN TRANSFORMER AND 400A DISTRIBUTION PANEL

POWER CONDUIT
1'-2"

CONCRETE PAD
6'

EXISTING GROUND GRID
3'-3"

#4/0 BARE COPPER
CENTERED IN SLAB
(3) #4 EACH WAY
SEE NOTE 2 AND 4

COUPLER
SCH.40 PVC
THREADED MALE ADAPTER

ELEVATION VIEW
SECTION A-A

TYPICAL EMPLOYEE PEDESTAL INSTALLATION

NOTES:
1. EXISTING ELECTRICAL CONDUIT CROSSING WHERE APPLICABLE
2. SURFACE EXISTING ELECTRICAL CONDUIT, NATIVE BACKFILL UNDER CONCRETE AND STATIC ELECTRICAL UTILITY TRENCH
3. SECTION B-B
4. FURNISH AND INSTALL CONCRETE PER INSTRUCTIONS MANUFACTURER’S PANEL “EV-1” SEE NOTE 7
5. FURNISH AND INSTALL 3725 GATEWAY AND PAYMENT KIOSK ON PEDESTAL
6. INSTALLATION.
7. INSTALLATION.

MAY VARY, REFER TO ELECTRICAL EXACT CONDUIT TYPE AND SIZE NEC 300.5 UNLESS OTHERWISE REQUIREMENTS SHALL FOLLOW MINIMUM CONDUIT COVER RADIUS SHALL BE INCREASED METALLIC CONDUIT TAPED OR MATERIAL FOR SERVICE CONDUIT SPECIFIED.

WHEN SPECIFIED, IMC OR RIGID AND HAVE A RADIUS OF 24".

CONDUIT SWEEP SHALL BE PVC CONDUIT. ACCEPTABLE MATERIAL SHALL BE LISTED AS ELECTRICAL WHERE REQUIRED PER NEC.

NOT FOR CONSTRUCTION DETAILS OR

CONDUIT SECTIONS AND DETAILS:

1. EXISTING CONCRETE 6"
2. REDUNDANT CONCRETE 7-INCH OF 3/4-INCH MEDIUM, SOUTHERN CALIFORNIA EDISON 95% MINIMUM RELATIVE COMPACTED MATERIAL IN TOP 2' OF COMPACTED NATIVE BACKFILL UNDER CONCRETE AND CONCRETE CALTRANS CLASS 3
3. 12" ABOVE CONDUIT TRENCH RESURFACING 24" (MAX) DEPTH, AT LEAST 12" (MIN) CONCRETE*. EXISTING CONCRETE 6"

4. IN ASPHALT AREA 12" (MIN) CONCRETE* EXTERIOR MOUNTING DETAIL CROSSING WHERE APPLICABLE
5. 7-INCH OF 3/4-INCH MEDIUM, SOUTHERN CALIFORNIA EDISON 95% MINIMUM RELATIVE COMPACTED MATERIAL IN TOP 2' OF COMPACTED NATIVE BACKFILL UNDER LANDSCAPE AREAS, PER ASTM D1557. 90% MINIMUM CONDUIT BURIAL DEPTH SHALL BE 24".
6. MINIMUM CONDUCTOR BURIAL DEPTH SHALL BE 18" MINIMUM CONDUIT BURIAL DEPTH SHALL BE 24".
7. MINIMUM CONDUCTOR BURIAL DEPTH SHALL BE 18"

E2.0

DATE: 03/24/2021

SOUTHERN CALIFORNIA EDISON
220-0213

PROJECT LOCATION: 2492 W. SAN BERNARDINO AVE, REDLANDS, CA 92374

CONJ. BY:

SL SHEET NO.
10 SHEETS
**NOTES:**

1. THE METHODS CONTAINED IN CEC/NEC ARTICLE 250 SHALL BE FOLLOWED TO COMPLY WITH GROUNDING AND BONDING OF ELECTRICAL SYSTEMS AND NON-CURRENT CARRYING CONDUCTIVE MATERIALS, ENCLOSURES, OR ITEMS FORMING PART OF ANY SUCH EQUIPMENT THAT ENCLOSES OR CARRIES ELECTRICAL CONDUCTOR OR EQUIPMENT THAT IS LIKELY TO BECOME ENERGIZED. SEE CEC/NEC 250.4(A)(1) THROUGH (5) FOR FURTHER DESCRIPTION.

2. WHERE TWO OR MORE GROUND RODS ARE TO BE INSTALLED, THE MINIMUM SEPARATION SHALL BE 6' PER CEC/NEC 250.53 (A)(2), AND (3) RESISTANCE OF ELECTRODES.

3. MINIMUM CONDUIT BURIAL DEPTH SHALL BE 24".

4. PER CEC/NEC 110.26 "ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED ABOUT ALL ELECTRICAL EQUIPMENT TO PERMIT READY AND SAFE OPERATION AND MAINTENANCE OF SUCH EQUIPMENT."

5. ALL ABOVE GRADE CONDUIT CONSTRUCTION SHALL FOLLOW CEC/NEC 342, 344 OR 350 FOR IMC, RMC OR LFMC CONSTRUCTION.

6. ALL ELECTRICAL EQUIPMENT SHALL BE LISTED FOR TERMINATION OF ELECTRICAL CONDUCTORS RATED 75°C OR HIGHER.

7. CONTRACTOR TO SCAN FOR REBAR OR OTHER STRUCTURAL SUPPORT PRIOR TO CORE DRILLING OR WALL MOUNTING EQUIPMENT.
NOTE:
1. REFER TO INSTALLATION MANUAL FOR ADDITIONAL INFORMATION.

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