APPENDIX E

Grant Street Booster Record Drawings
EASTERN MUNICIPAL WATER DISTRICT
GRANT AVENUE PUMPING PLANT
UNFILTERED STATE AQUEDUCT REPLENISHMENT/IRRIGATION WATER SUPPLY SYSTEM

BOARD OF DIRECTORS
RODGER D. SIEMS
PRESIDENT

CHESTER C. GILBERT
VICE-PRESIDENT

WM. G. ALDRIDGE
DIRECTOR

JOHN M. COUDURES
DIRECTOR

CRAG A. WEAVER
DIRECTOR

J. ANDREW SCHLANGE
GENERAL MANAGER

APPROVED BY EASTERN MUNICIPAL WATER DISTRICT

ChEIK ENGINEER

UTILITY NOTIFICATIONS

CONTRACTORS SHALL NOTIFY THE FOLLOWING AGENCIES AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION:

EASTERN MUNICIPAL WATER DISTRICT - JIM MARCH 74-876-4265
WESTSIDE COUNTY FIRE DEPARTMENT 74-876-5091

UNDERGROUND SERVICE ALERT:
SOUTHERN CALIFORNIA GAS COMPANY 1-800-477-4700
GENERAL TELEPHONE CORPORATION 1-800-477-4700
SOUTHERN CALIFORNIA EDISON COMPANY 1-800-477-4700

DIAGRAM: DIGALERT
### SYMBOLS

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
<th>Note</th>
<th>Symbol</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="symbol1.png" alt="Image" /></td>
<td>Normally Open Pushbutton - Momentary Type</td>
<td></td>
<td><img src="symbol2.png" alt="Image" /></td>
<td>Normally Open Contact Tipped To Close On Energization</td>
<td></td>
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<tr>
<td><img src="symbol3.png" alt="Image" /></td>
<td>Normally Open Contact Tipped To Open On De-energization</td>
<td></td>
<td><img src="symbol4.png" alt="Image" /></td>
<td>Temperature Switch</td>
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</tr>
<tr>
<td><img src="symbol5.png" alt="Image" /></td>
<td>Thermal Overload Relay</td>
<td></td>
<td><img src="symbol6.png" alt="Image" /></td>
<td>Motor Starter Control, Number Identifies Contact</td>
<td></td>
</tr>
<tr>
<td><img src="symbol7.png" alt="Image" /></td>
<td>Control Relay, Number Identifies Relay</td>
<td></td>
<td><img src="symbol8.png" alt="Image" /></td>
<td>Pressure Turbine</td>
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</tr>
<tr>
<td><img src="symbol9.png" alt="Image" /></td>
<td>Fuse (Fuse indicates current limiting fuse)</td>
<td></td>
<td><img src="symbol10.png" alt="Image" /></td>
<td>Current Transformer, Indicates Number of Poles</td>
<td></td>
</tr>
<tr>
<td><img src="symbol11.png" alt="Image" /></td>
<td>Transformer</td>
<td></td>
<td><img src="symbol12.png" alt="Image" /></td>
<td>Lighting Panel</td>
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<tr>
<td><img src="symbol13.png" alt="Image" /></td>
<td>Motor Space Heater</td>
<td></td>
<td><img src="symbol14.png" alt="Image" /></td>
<td>Lighting Fixture (Type and Mounting As Noted)</td>
<td></td>
</tr>
<tr>
<td><img src="symbol15.png" alt="Image" /></td>
<td>Ground Well</td>
<td></td>
<td><img src="symbol16.png" alt="Image" /></td>
<td>Junction Box Or Conduct Fitting</td>
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</tr>
<tr>
<td><img src="symbol17.png" alt="Image" /></td>
<td>Kilowatt Hour Meter With Deadener</td>
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<td></td>
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</table>

### ABBREVIATIONS

<table>
<thead>
<tr>
<th>A</th>
<th>M</th>
<th>E</th>
<th>VC</th>
<th>L</th>
<th>P</th>
<th>S</th>
<th>F</th>
<th>G</th>
<th>Q</th>
<th>U</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amplifiers</td>
<td>Motor</td>
<td>Electrical</td>
<td>Voltage Control</td>
<td>Lighting</td>
<td>Preset</td>
<td>Switch</td>
<td>Fuses</td>
<td>Ground</td>
<td>Quality</td>
<td>Unit</td>
</tr>
</tbody>
</table>

### GENERAL NOTES

1. All electrical work shall be in full compliance with National Electrical Code, U.S. Edition, and local rules and regulations of governing authorities.
2. All materials shall be new and shall be as specified. All materials shall be used for the intended use.
3. Coordinate as necessary with other trades to assure proper location for conduits, etc. Electrical plans are diagrammatic and actual field conditions will govern. Allow all dimensions prior to roughing.
4. All underground conduits may be PVC or HDPE, except that the risers and elbows shall be rigid galvanized steel.
5. All wiring shall be copper, sizes as noted.

**Contractor** shall perform work in an acceptable manner, maintaining good housekeeping during construction and completion at the end of each day's work. All trenches shall be kept shored, covered, and cleared at all times.

Test all parts, connections and equipment with equipment manufacturer and demonstrate to owner that the equipment operates properly.

Upon completion of work, thoroughly clean all exposed parts of electrical installation, removing all traces of oil, labels, grease, etc.
EASTERN MUNICIPAL WATER DISTRICT

GRANT AVENUE PUMPING PLANT BUILDING

UNFILTERED STATE AQUEDUCT REPLENISHMENT/IRRIGATION WATER SUPPLY SYSTEM

E.M.W.D. BOARD OF DIRECTORS

PRESIDENT - CHESTER C. GILBERT
VICE PRESIDENT - WM. G. ALDRIDGE
BOARD MEMBER - CRAIG A. WEAVER
BOARD MEMBER - MARION V. ASHLEY
BOARD MEMBER - RODGER D. SIEMS
GENERAL MANAGER - J. ANDREW SCHLANGE

APPROVED: November 3, 1993

UTILITY NOTIFICATIONS

CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES 48 HR Advance PRIOR TO START OF CONSTRUCTION.

EASTERN MUNICIPAL WATER DISTRICT, JAC WHITT
114-706-1650

RIVERSIDE COUNTY FIRE DEPARTMENT
714-935-5200

LADRPRESSURIZED WIRE ACTIVITIES
714-322-5725

SOUTHERN CALIFORNIA GAS COMPANY
1-800-427-2500

SOUTHERN CALIFORNIA EDISON COMPANY
1-800-465-4700