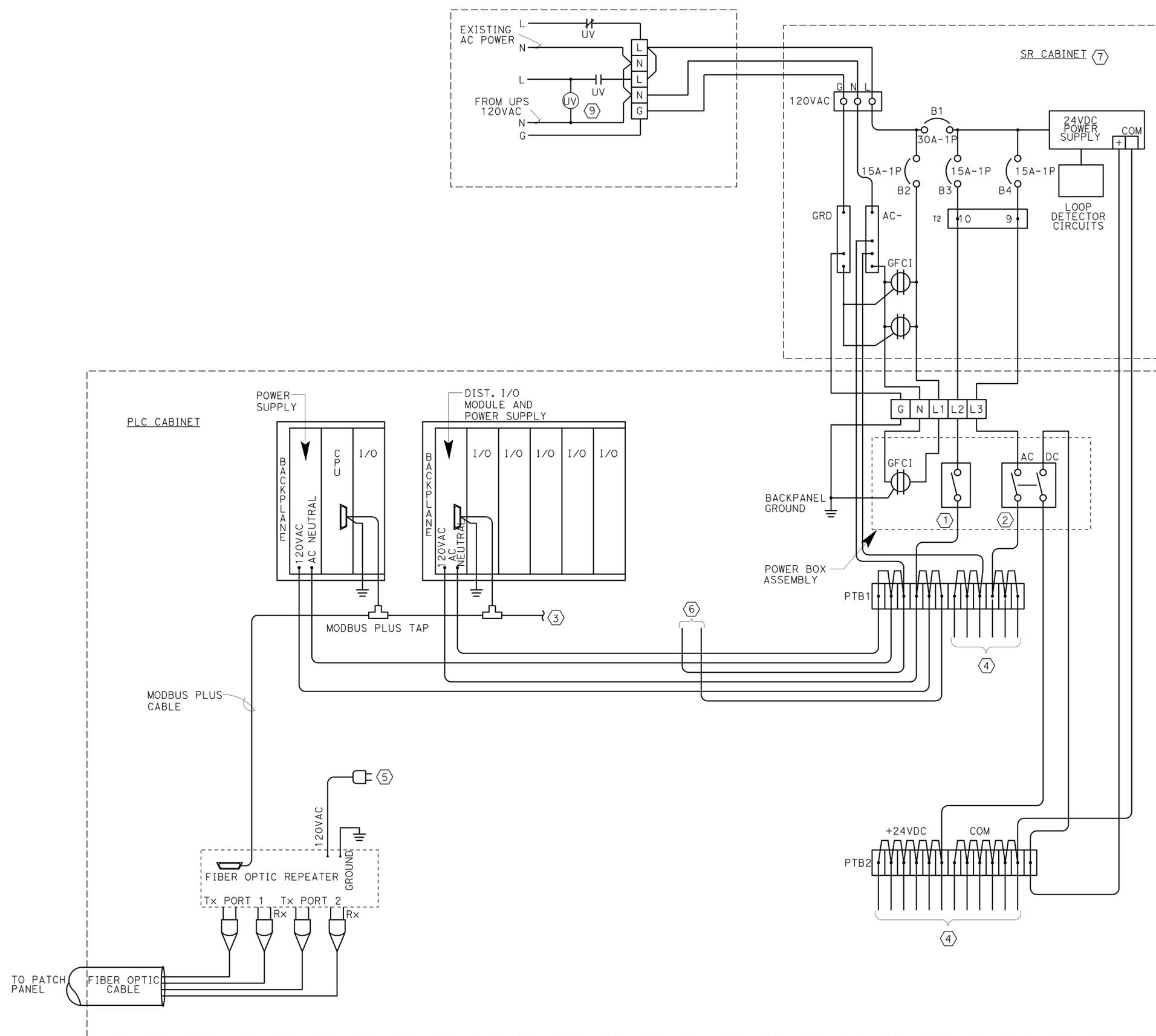


|  |         |   |   |           |              |
|--|---------|---|---|-----------|--------------|
| DIST.  | COUNTY  | ROUTE   | POST MILES TOTAL PROJECT  | SHEET NO. | TOTAL SHEETS |
| 04   | Alameda | 24,260  | R5.9/R6.2, R0.0/R0.5, R0.9/R1.9   | 52        | 100          |
| <br>REGISTERED ELECTRICAL ENGINEER                                |         |   | 02-26-08  | DATE      |              |
| 11-24-08<br>PLANS APPROVAL DATE  |         |   |  |           |              |
| The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet. |         |   |   |           |              |
| To get to the Caltrans web site go to <a href="http://www.dot.ca.gov">http://www.dot.ca.gov</a>  |         |   |   |           |              |
| STV Incorporated<br>9130 Anaheim Place, Suite 210<br>Rancho Cucamonga, CA 91730  |         | JDL Design, LLC<br>1852 Beach Blvd, Suite 229<br>Huntington Beach, CA 92647 |   |           |              |



- NOTES:**
- 120VAC POWER FEED FOR PLC BACKPLANE AND COMMUNICATIONS POWER.
  - 120VAC AND 24VDC POWER FEEDS FOR I/O INDICATION & CONTROL
  - AN ADDITIONAL MODBUS PLUS TAP AND DIO CABLE DROP IS ADDED HERE IF AN ADDITIONAL BACKPLANE WITH DIO MODULE & I/O ARE REQUIRED.
  - SEE DRAWINGS EE4-12 THRU EE4-16 FOR DETAILS.
  - POWER CORD FOR FIBER OPTIC REPEATER PLUGS INTO PLC GFCI RECEPTACLE.
  - TO ADDITIONAL PLC BACKPLANE POWER SUPPLY IF REQUIRED.
  - THIS DIAGRAM IS TRUE FOR PLC'S 2 THROUGH 8. 24VDC POWER SUPPLY FOR PLC 1 IS LOCATED ON THE PLC BACKPANEL. 120VAC POWER FOR PLC 1 IS FROM DISTRIBUTION PANEL CIRCUITS.
  - UNDERVOLTAGE RELAY, UV, DPDT, 120VAC, 10amp RELEASE TIME 4~10ms OR SHORTER.

|   |   |  |                              |  |   |  |  |   |                                    |
|---|---|--|------------------------------|--|---|--|--|---|------------------------------------|
| DESIGN BY <b>G. RUSSELL</b><br>CHECKED <b>D. LE</b> | DETAILS BY <b>D. LE</b><br>CHECKED <b>S. LO</b> | QUANTITIES BY <b>D. LE</b><br>CHECKED <b>S. LO</b> | PREPARED FOR THE             |  | DIVISION OF ENGINEERING SERVICES<br>ELECTRICAL-MECHANICAL-WATER<br>AND<br>WASTEWATER DESIGN | BRIDGE NO.<br>VARIES<br>POST MILE<br>VARIES        | <b>SCADA SYSTEM UPGRADE: POSEY/WEBSTER<br/>STREET TUBES AND CALDECOTT TUNNEL</b> |   | SHEET<br><b>EE4-10</b><br>OF<br>95 |
|   |   |  | STATE OF CALIFORNIA          |  |   |  | TYPICAL PLC CABINET  |   |                                    |
|   |   |  | DEPARTMENT OF TRANSPORTATION |  |   |  | POWER & COMMUNICATION WIRING   |   |                                    |
| ORIGINAL SCALE IN INCHES<br>FOR REDUCED PLANS       |   |  | 0 1 2 3                      |  | CU 04220<br>EA 1A4604   | DISREGARD PRINTS BEARING<br>EARLIER REVISION DATES |  | REVISION DATES (PRELIMINARY STAGE ONLY) |                                    |
| DOES SD Imperial Rev. 1/07                          |   |  |                              |  |   |  |  | SHEET 47 OF 95                          |                                    |

26-NOV-2008 13:33