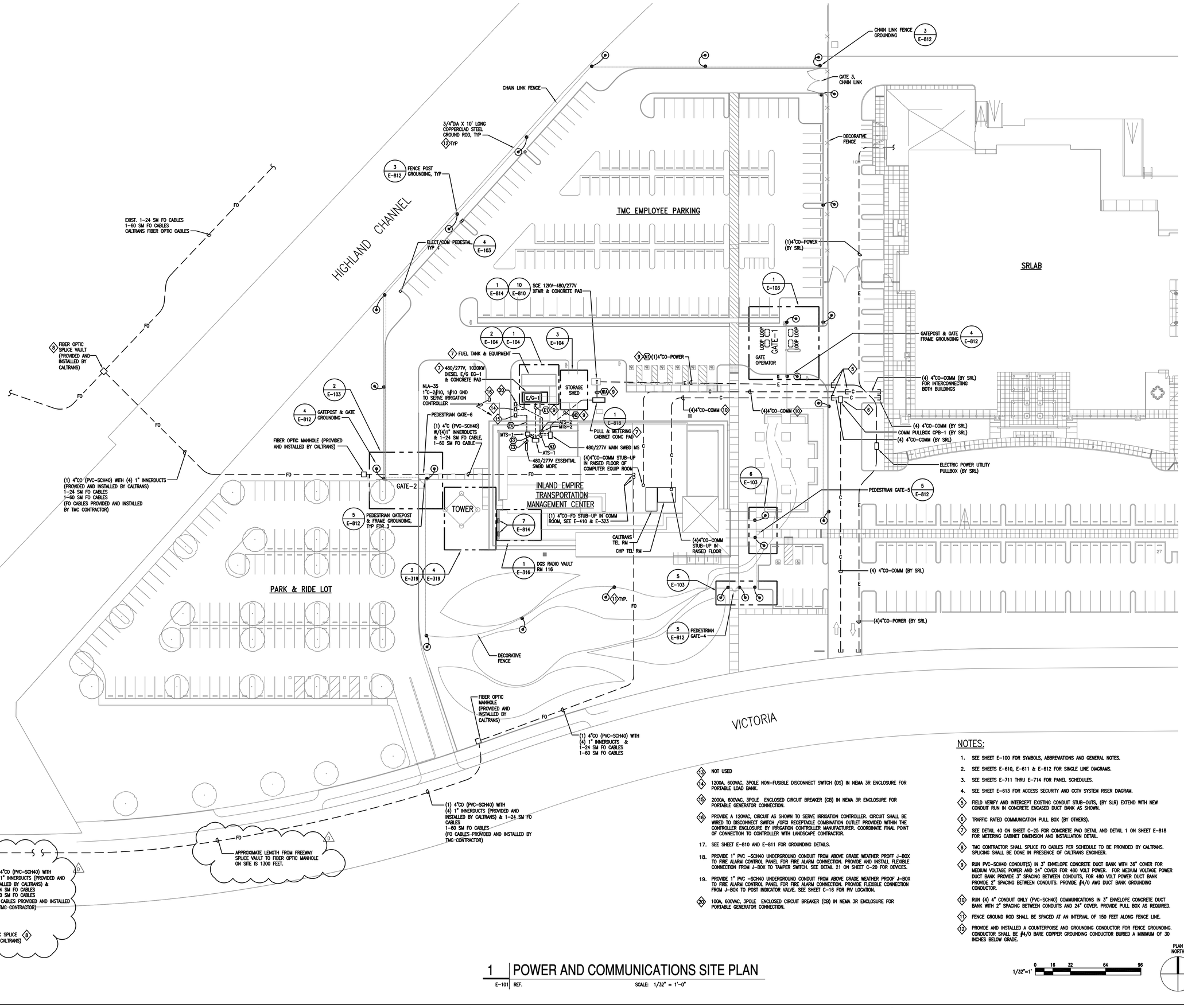

1 POWER AND COMMUNICATIONS SITE PLAN

E-101 | REF. SCALE: 1/32" = 1'-0"

PLAN NORTH

1/32"=1' 0 16 32 64 96

NOTES:

1. SEE SHEET E-100 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
2. SEE SHEETS E-610, E-611 & E-612 FOR SINGLE LINE DIAGRAMS.
3. SEE SHEETS E-711 THRU E-714 FOR PANEL SCHEDULES.
4. SEE SHEET E-613 FOR ACCESS SECURITY AND CCTV SYSTEM RISER DIAGRAM.
5. FIELD VERIFY AND INTERCEPT EXISTING CONDUIT STUB-OUTS, (BY SLR) EXTEND WITH NEW CONDUIT RUN IN CONCRETE ENCASED DUCT BANK AS SHOWN.
6. TRAFFIC RATED COMMUNICATION PULL BOX (BY OTHERS).
7. SEE DETAIL 40 ON SHEET C-25 FOR CONCRETE PAD DETAIL AND DETAIL 1 ON SHEET E-818 FOR METERING CABINET DIMENSION AND INSTALLATION DETAIL.
8. TMC CONTRACTOR SHALL SPLICE FO CABLES PER SCHEDULE TO BE PROVIDED BY CALTRANS. SPLICING SHALL BE DONE IN PRESENCE OF CALTRANS ENGINEER.
9. RUN PVC-SCH40 CONDUIT(S) IN 3" ENVELOPE CONCRETE DUCT BANK WITH 36" COVER FOR MEDIUM VOLTAGE POWER AND 24" COVER FOR 480 VOLT POWER. FOR MEDIUM VOLTAGE POWER DUCT BANK PROVIDE 3" SPACING BETWEEN CONDUITS, FOR 480 VOLT POWER DUCT BANK PROVIDE 2" SPACING BETWEEN CONDUITS. PROVIDE #4/0 AWG DUCT BANK GROUNDING CONDUCTOR.
10. RUN (4) 4" CONDUIT ONLY (PVC-SCH40) COMMUNICATIONS IN 3" ENVELOPE CONCRETE DUCT BANK WITH 2" SPACING BETWEEN CONDUITS AND 24" COVER. PROVIDE PULL BOX AS REQUIRED.
11. FENCE GROUND ROD SHALL BE SPACED AT AN INTERVAL OF 150 FEET ALONG FENCE LINE.
12. PROVIDE AND INSTALLED A COUNTERPOISE AND GROUNDING CONDUCTOR FOR FENCE GROUNDING. CONDUCTOR SHALL BE #4/0 BARE COPPER GROUNDING CONDUCTOR BURIED A MINIMUM OF 30 INCHES BELOW GRADE.
13. NOT USED
14. 1200A, 600VAC, 3POLE NON-FUSIBLE DISCONNECT SWITCH (DS) IN NEMA 3R ENCLOSURE FOR PORTABLE LOAD BANK.
15. 2000A, 600VAC, 3POLE ENCLOSED CIRCUIT BREAKER (CB) IN NEMA 3R ENCLOSURE FOR PORTABLE GENERATOR CONNECTION.
16. PROVIDE A 120VAC, CIRCUIT AS SHOWN TO SERVE IRRIGATION CONTROLLER. CIRCUIT SHALL BE WIRED TO DISCONNECT SWITCH /GFCI RECEPTACLE COMBINATION OUTLET PROVIDED WITHIN THE CONTROLLER ENCLOSURE BY IRRIGATION CONTROLLER MANUFACTURER. COORDINATE FINAL POINT OF CONNECTION TO CONTROLLER WITH LANDSCAPE CONTRACTOR.
17. SEE SHEET E-810 AND E-811 FOR GROUNDING DETAILS.
18. PROVIDE 1" PVC -SCH40 UNDERGROUND CONDUIT FROM ABOVE GRADE WEATHER PROFF J-BOX TO FIRE ALARM CONTROL PANEL FOR FIRE ALARM CONNECTION. PROVIDE AND INSTALL FLEXIBLE CONNECTION FROM J-BOX TO TAMPER SWITCH. SEE DETAIL 21 ON SHEET C-20 FOR DEVICES.
19. PROVIDE 1" PVC -SCH40 UNDERGROUND CONDUIT FROM ABOVE GRADE WEATHER PROOF J-BOX TO FIRE ALARM CONTROL PANEL FOR FIRE ALARM CONNECTION. PROVIDE FLEXIBLE CONNECTION FROM J-BOX TO POST INDICATOR VALVE. SEE SHEET C-16 FOR PIV LOCATION.
20. 100A, 600VAC, 3POLE ENCLOSED CIRCUIT BREAKER (CB) IN NEMA 3R ENCLOSURE FOR PORTABLE GENERATOR CONNECTION.

PROJECT

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CONSULTANT

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MARK	DATE	DESCRIPTION
0	10/31/2008	BID PERIOD ADDENDUM #6

PROJECT NO: 60004333.4000

DRAWN BY: L. DICKENS
CHECKED BY: C. DAVIES

STAMP

REGISTERED PROFESSIONAL ENGINEER
JERRY MIKOLAJ ROZICKI
No. C 24473
Exp. 12-31-09
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
CYRILL DAVIES
No. E 17631
Exp. 09-30-09
ELECTRICAL
STATE OF CALIFORNIA

SHEET TITLE

POWER AND COMMUNICATIONS SITE PLAN

E-101

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