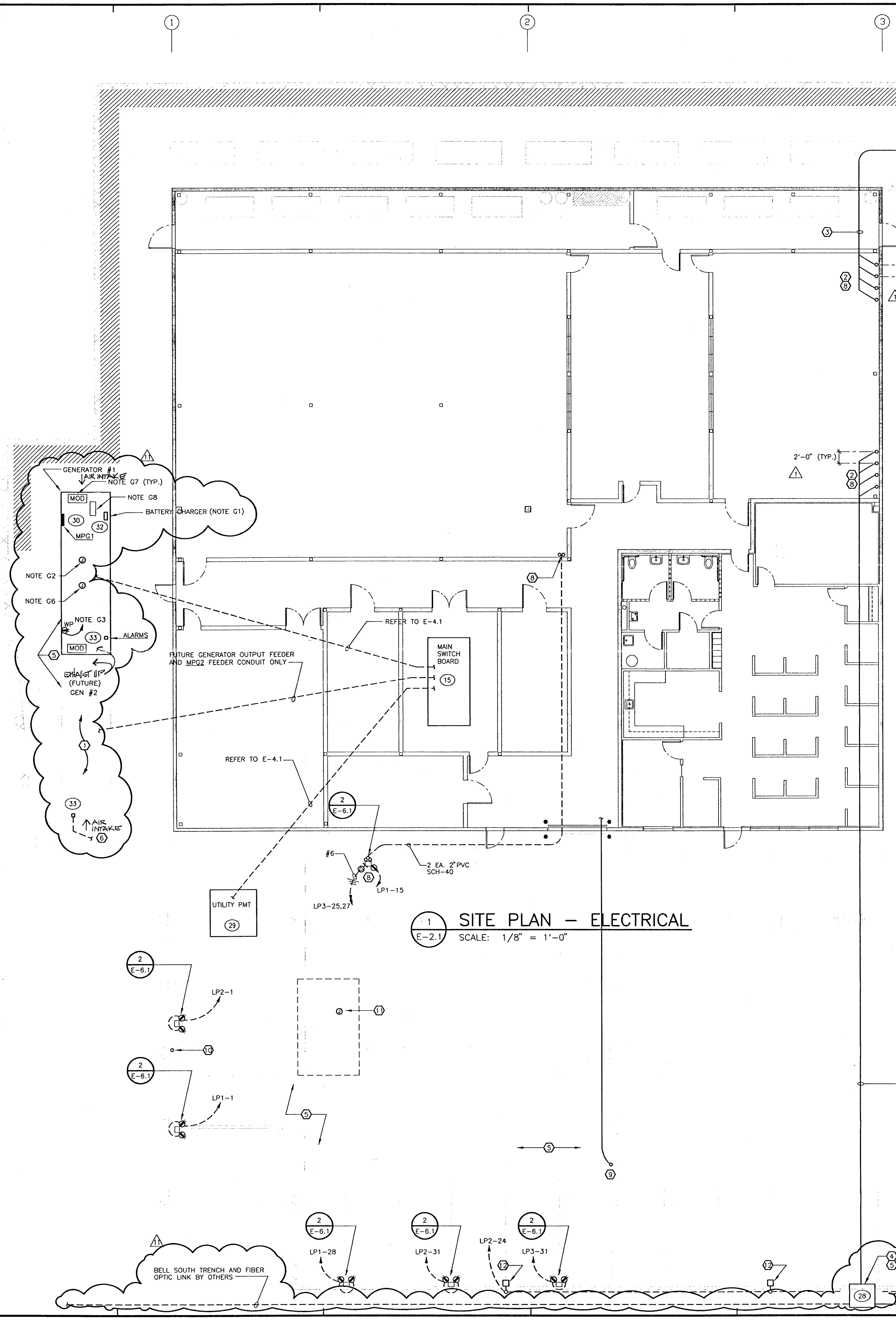


SITE PLAN – ELECTRICAL

1/E-2.1 SCALE: 1/8" = 1'-0"

KEY NOTES:

1. EXTEND FEEDER AND CONTROL RACEWAY ONLY FOR FUTURE USE. REFER TO ONE-LINE DIAGRAM, 1/E-4.1.
2. EXTEND TO 8' AFF. PROVIDE WIDE-RADIUS 90 DEGREE ELBOWS.
3. EXTEND FOUR (4) EA. 4" PVC TO PANEL VAULT (4).
4. QUAZITE ENCLOSURE FOUR (4) FT SQUARE, THREE (3) FT DEEP #PV 4848 DA36 W/ 2 PC LOCKING COVER, PENTA HEAD BOLTS, STANDARD FINISH. INSTALL PER QUAZITE INSTRUCTION SHEET 104. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION. PROVIDE GFI WP DUPLEX RECEPTACLE IN VAULT FOR SUMP PUMP – EXTEND TO CIRCUITS LP2-27,29.
5. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION OF ALL EQUIPMENT. DWG. C-7.
6. EXTEND TWO (2) EACH 1" PVC SCH 40 TO FUTURE CONTROL SECTION AT SWITCHGEAR – REFER TO 1/E-6.1.
7. EXTEND FOUR (4) EACH 4" PVC AS SPECIFIED.
8. PROVIDE IMC 90° ELLS AT TURNUP WITH PULL ROPE AND PIPE CAPS AT TERMINATIONS.
9. PROVIDE 3/4" C STUB-UP FOR FUTURE GATE OPERATOR.
10. PROVIDE 3/4"C TO WARRICK PANEL. REFER TO 2/E-3.1. INSTALL OVER FILL ALARM PANEL FURNISHED WITH 4G TANK.
11. PROVIDE 1"C TO WARRICK PANEL. REFER TO 2/E-3.1. INSTALL INTERFACE WIRING AS REQUIRED FOR A COMPLETE OPERABLE SYSTEM.
12. PROVIDE LITHONIA KAD 250M-R4-120-SPD04-175 MH VENTURE LAMP ON 20 FT SQUARE STEEL POLE. DK. BRONZE COLOR. PROVIDE INTRAGRAL PHOTOCELL CONTROL AND #8 CONDUCTORS THROUGHOUT.
13. EXTEND TWO (2) EACH 4" PVC AS SPECIFIED.

GENERATOR SYSTEM NOTES:

G1. EXTEND AND CONNECT 2#12, #12G – 1/2"C FROM MPG1-1 TO BATTERY CHARGER.

G2. EXTEND AND CONNECT 2#10, #12G – 1/2"C FROM MPG1-2 TO JACKET WATER HEATER.

G3. EXTEND AND CONNECT MPG1-5 VIA JUNCTION BOX TO DUPLEX OUTLET MOUNTED IN GENERATOR ENCLOSURE.

G4. EXTEND AND CONNECT 2#12, #12G – 1/2"C FROM MPG1-7 TO ENCLOSURE LIGHT FIXTURES. PROVIDE TWO (2) LITHONIA TWL-28DTT WALL MOUNTED AREA LIGHTS WITH SWITCH BY ACCESS DOOR. EXTEND 24 HOUR POWER TO LITHONIA TITAN ELT50N1812 EMERGENCY FIXTURE INSTALLED TO ILLUMINATE CONTROL PANEL.

G5. ALL RACEWAY IN THIS AREA SHALL BE ROUTED UNDERGROUND IMC OR GRC CONDUIT TO 10' AFF. UTILIZE WP FLEXIBLE METALLIC CONDUIT FOR ALL CONNECTIONS.

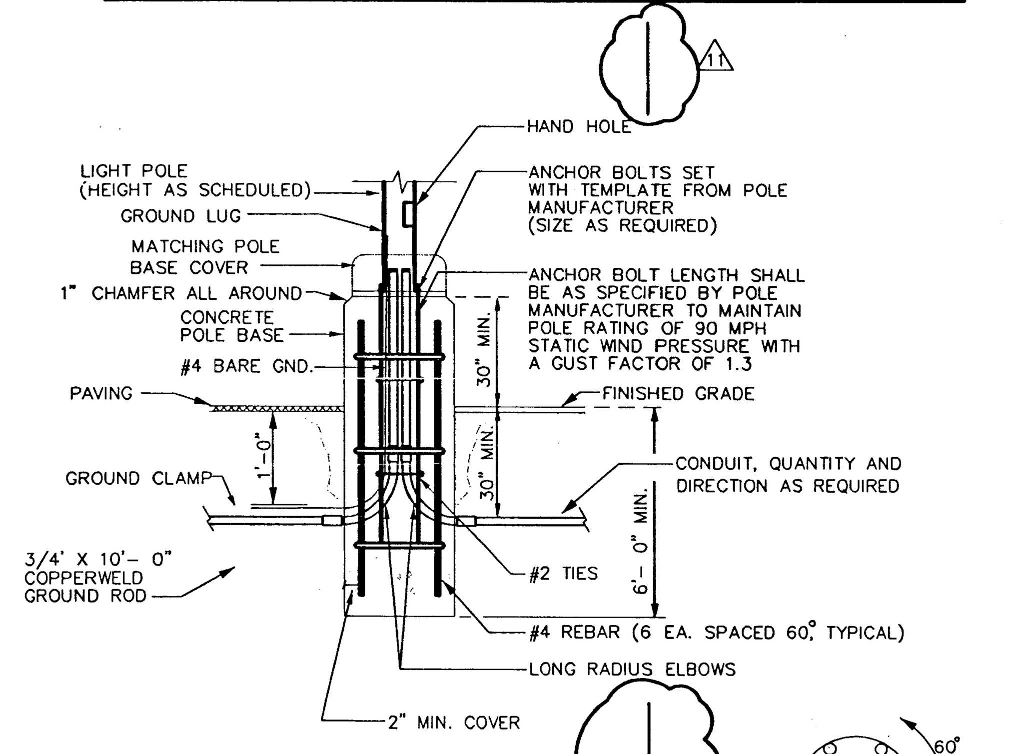
G6. EXTEND AND CONNECT 2#12, #12G – 1/2"C FROM MPG1-9 TO SPACE HEATER.

G7. EXTEND AND CONNECT 2#12, #12G – 1/2"C FROM MPG1-3 TO TO ALL MOD SHOWN.

G8. EXTEND AND CONNECT 2#12, #12G – 1/2"C FROM MPG1-6 TO GEN#1 DAY TANK.

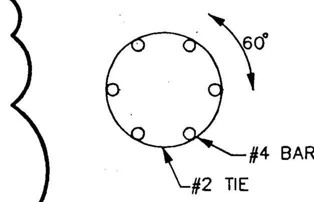
U.S.A. UNDERGROUND SERVICE ALERT

PRIOR TO THE START OF ANY EXCAVATION ON SITE CALL 1-800-642-2444 AND/OR LOCAL UTILITY TO LOCATE ALL U.G. UTILITIES ON SITE IN ALL AREAS WHERE WORK IS TO BE PERFORMED.



NOTES:

1) 3000 PSI CONCRETE BASE WITH 6 #4 BARS VERTICAL SPACED AT 60 DEGREES AND WITH #2 TIES 12" O.C. 14" MINIMUM DIAMETER.
2) BASE DIAMETER EXCEEDS ANCHOR BOLT DIAMETER BY EIGHT (8) INCHES.



BASE SECTION

POLE BASE DETAIL

2/E-2.2 NO SCALE

NOTE: REFER TO CIVIL DWG. C-7 FOR UNDERGROUND FIBER OPTIC CONDUIT ROUTING AND HAND HOLE LOCATIONS.

BELL SOUTH HAND HOLE

NORTH

HESM&A
CONSULTING ENGINEERS
ATLANTA • JACKSON
1299 NORTHSIDE DR. N.W.
SUITE 200
ATLANTA, GA 30318-4319
(404)881-5300 • FAX (404)881-0909

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RUYS & COMPANY

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REVISIONS	
No./DATE	REMARKS
1/12.15.97	GENERAL REVISION
11/10 APR98	GENERAL REVISION

PRINTED		
DATE	SETS	REMARKS
12.8.97	15	FOR PRICING & PERMIT
10 APR 1998	10	REV #11

SWITCH SITE
KNOXVILLE, TENNESSEE
APPROX. 13,200 USABLE SQ. FT.
SITE PLAN – ELECTRICAL

SPRINT PCS
3575 WORKMAN ROAD
KNOXVILLE, TENNESSEE

THAD W. HUDSON, JR. REGISTERED ENGINEER No. 22191 STATE OF TENNESSEE 4/10/98

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DRAWN BY	JTS
CHECKED BY	KAS/TWH
DATE	8 DECEMBER 1997
JOB No.	97038.01
SHEET	E-2.1
OF 27 SHEETS	