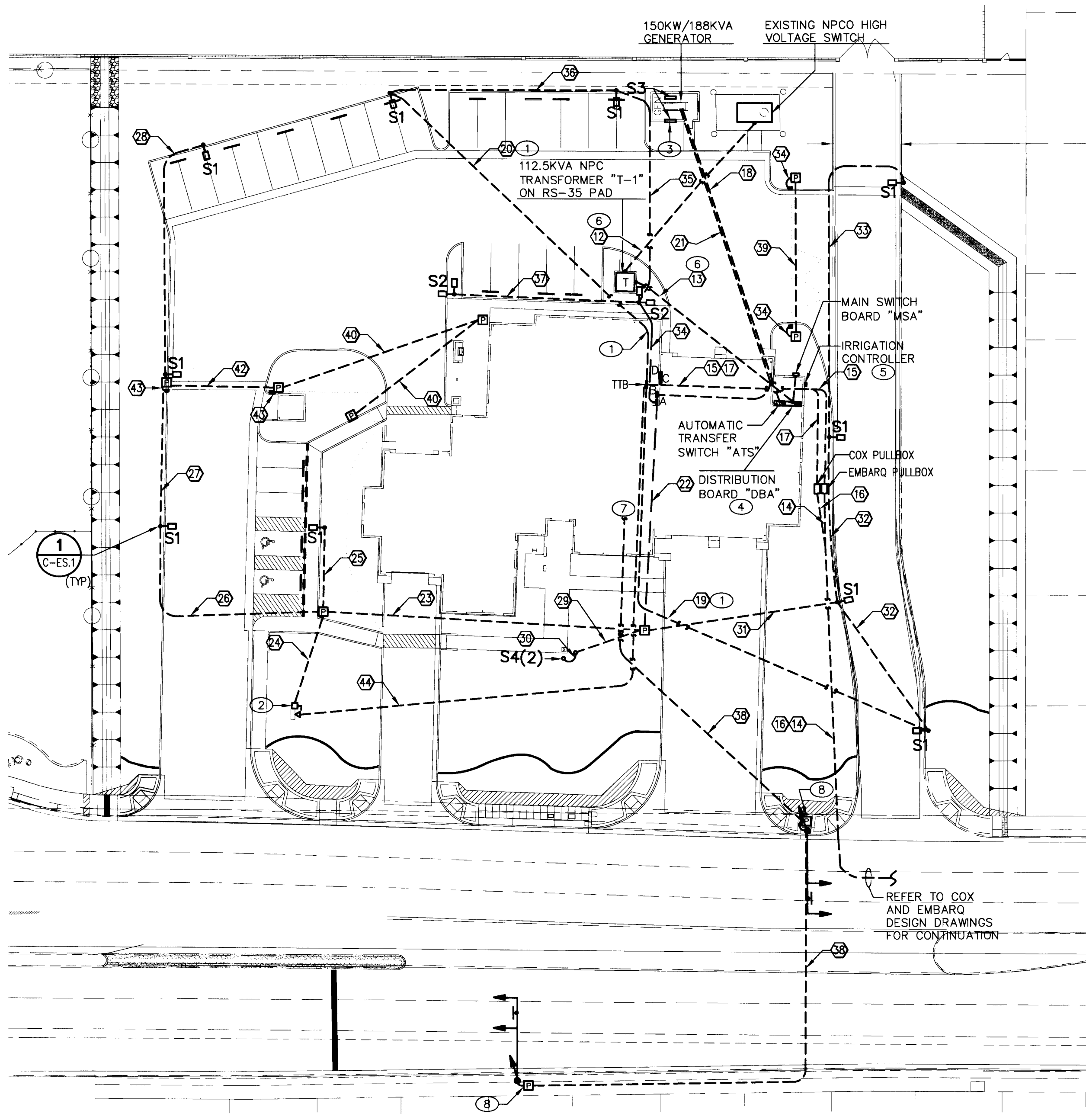




ELECTRICAL SITE PLAN
Scale: 1"=30'

TAG #	DIAMETER	TYPE	FROM	TO	CONDUCTORS	CIRCUIT #	NOTES
12	SEE NPCO DWG.	PVC	90 DEG. TURN	TRANSFORMER	BY OTHERS		BY OTHERS
13	(2) 4"	PVC	TRANSFORMER	'MSA'	C.O.		WIRING BY NPCO
14	(2) 4"	PVC	SPRINT P.O.C.	PULLBOX	C.O.		WIRING BY EMBARQ
15	(2) 4"	PVC	PULLBOX	'TTB'	C.O.		WIRING BY EMBARQ
16	4"	PVC	COX P.O.C.	PULLBOX	C.O.		WIRING BY COX
17	4"	PVC	PULLBOX	'TTB'	C.O.		WIRING BY COX
18	(2) 3"	PVC	'ATS'	GENERATOR	(4)350KCMIL,(1)#2/0 EA.		TRANSFER SWITCH
19	1"	PVC	'TTB'	S1 POLE	C.O.		FUTURE CAMERA
20	1"	PVC	'TTB'	S1 POLE	C.O.		FUTURE CAMERA
21	1"	PVC	PANEL 'B'	J-BOX	(2)#8,(4)#10,(1)#10 GND	B-36,38,40 (#8),42	GENERATOR ROOM
22	1-1/4"	PVC	PANEL 'A'	PULLBOX	(5)#10,(1)#10 GND	A-2,4,39,41	
23	1-1/4"	PVC	PULLBOX	PULLBOX	(4)#10,(1)#10 GND	A-2,39,41	
24	3/4"	PVC	PULLBOX	DISCONNECT	(2)#10,(1)#10 GND	A-2	LIGHTED SIGN
25	1-1/4"	PVC	PULLBOX	S1 POLE	(2)#10,(1)#10 GND	A-39,41	SITE LIGHTING
26	1-1/4"	PVC	PULLBOX	S1 POLE	(2)#10,(1)#10 GND	A-39,41	SITE LIGHTING
27	1-1/4"	PVC	S1 POLE	S1 POLE	(2)#10,(1)#10 GND	A-39,41	SITE LIGHTING
28	1-1/4"	PVC	S1 POLE	S1 POLE	(2)#10,(1)#10 GND	A-39,41	SITE LIGHTING
29	3/4"	PVC	PULLBOX	S4 UPLIGHT	(2)#10,(1)#10 GND	A-4	FLAG LIGHTING
30	3/4"	PVC	S4 UPLIGHT	S4 UPLIGHT	(2)#10,(1)#10 GND	A-4	FLAG LIGHTING
31	1-1/4"	PVC	PULLBOX	S1 POLE	(2)#10,(1)#10 GND	A-39,41	SITE LIGHTING
32	1-1/4"	PVC	S1 POLE	S1 POLE	(2)#10,(1)#10 GND	A-39,41	SITE LIGHTING
33	1-1/4"	PVC	S1 POLE	S1 POLE	(2)#10,(1)#10 GND	A-39,41	SITE LIGHTING
34	1-1/4"	PVC	PANEL 'A'	S2 POLE	(2)#10,(1)#10 GND	A-39,41	SITE LIGHTING
35	1-1/4"	PVC	S2 POLE	S1 POLE	(2)#10,(1)#10 GND	A-39,41	SITE LIGHTING
36	1-1/4"	PVC	S1 POLE	S1 POLE	(2)#10,(1)#10 GND	A-39,41	SITE LIGHTING
37	1-1/4"	PVC	S2 POLE	S2 POLE	(2)#10,(1)#10 GND	A-39,41	SITE LIGHTING
38	3"	RGS-PVC	CONTROLLER	SIGNAL POLE	C.O.		TRAFFIC SIGNALS
39	(2) 1"	PVC	PULLBOX	PULLBOX	(2)#10,(1)#10 GND	D-23, COMM.	SECURITY GATE
40	(2) 1"	PVC	PULLBOX	PULLBOX	(2)#10,(1)#10 GND	D-25, COMM.	SECURITY GATE
41	(2) 1"	PVC	PULLBOX	PULLBOX	(2)#10,(1)#10 GND	D-27, COMM.	SECURITY GATE
42	(2) 1"	PVC	PULLBOX	PULLBOX	(2)#10,(1)#10 GND	D-29, COMM.	SECURITY GATE
43	(2) 1"	PVC	PULLBOX	PULLBOX	(2)#10,(1)#10 GND	POWER, COMM.	SECURITY GATES
44	(2) 1"	PVC	TTB	SIGNBOX	C.O.		DIGITAL SIGN

NOTES
(1) "RGS-PVC" INDICATES PVC-COATED RIGID GALVANIZED STEEL. "EMT" INDICATES ELECTRICAL METALLIC TUBING.
(2) "PVC" INDICATES SCHEDULE 40 POLYVINYL CHLORIDE CONDUIT.
(3) "C.O." INDICATES CONDUIT ONLY. PROVIDE A PULL STRING IN EACH EMPTY CONDUIT.
(4) "P.O.C." INDICATES UTILITY POINT OF CONNECTION. "NPCO" INDICATES NEVADA POWER COMPANY.

GENERAL PLAN NOTES

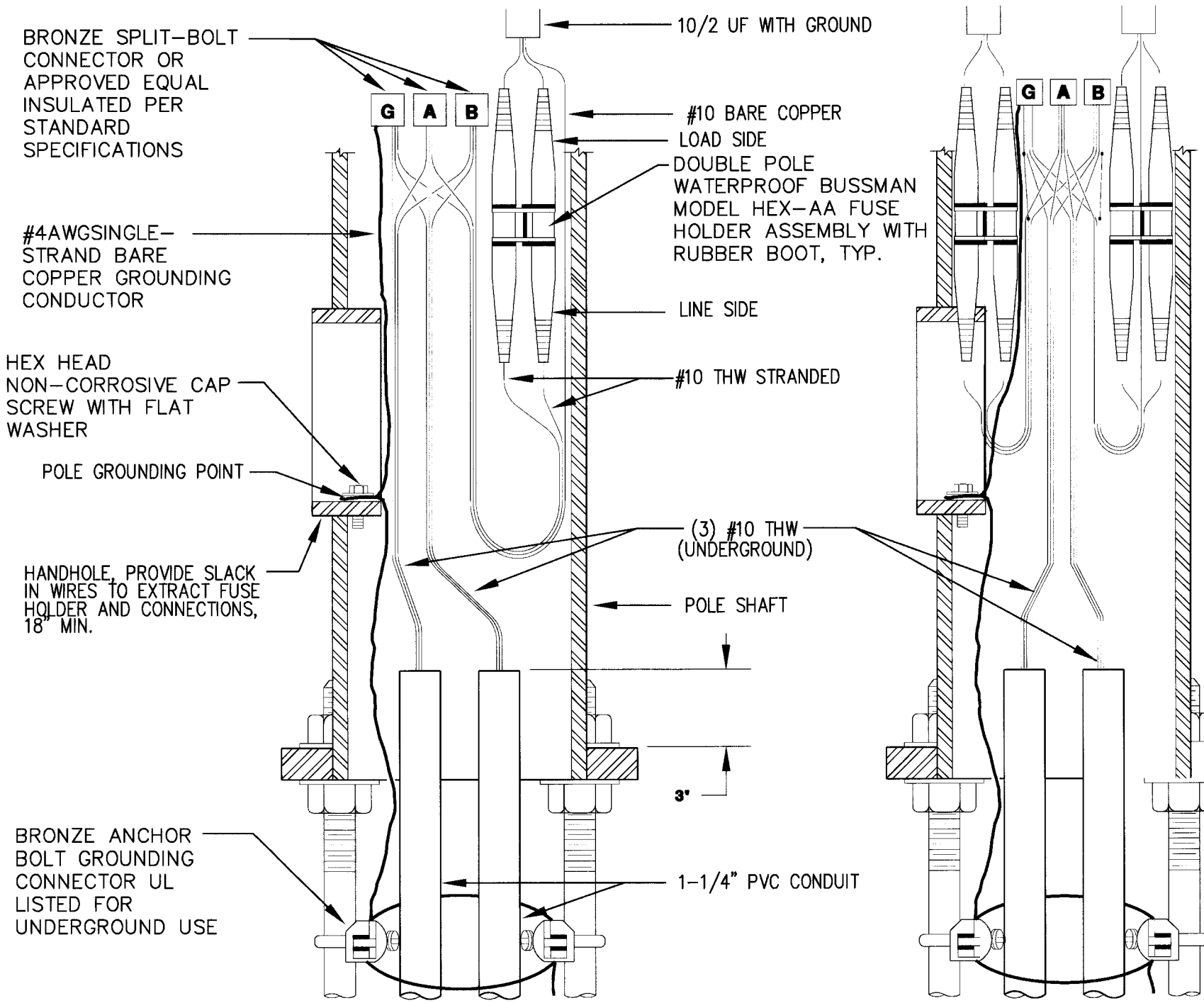
- ALL CONDUCTORS ARE SIZED FOR VOLTAGE DROP. NO REDUCTIONS SHALL BE MADE WITHOUT PERMISSION FROM THE ENGINEER.
- PROVIDE A POLYESTER PULL TAPE WITH CONTINUOUS FOOT MARKINGS AND 1,200 LBS PULL STRENGTH IN ALL EMPTY CONDUITS.
- CONDUIT BELOW SLAB SHALL BE PARALLEL OR PERPENDICULAR TO BUILDING WALLS AS INDICATED, TO FACILITATE LOCATION BY OWNER FOR MAINTENANCE.
- LABEL ALL CONDUITS WITH CIRCUIT NUMBERS AND FEEDER SOURCE LOCATION.
- WIRE AND CONDUIT FOR EXTERIOR LIGHTING AND MONUMENT SIGN SHALL BE A MINIMUM OF #10 THW AND 1-1/4" CONDUIT UNLESS NOTED OTHERWISE.
- ALL PULLBOXES ARE SIZE NO. 3-1/2 PER CCAUSD NO. 326 (SHEET C-15) UNLESS NOTED OTHERWISE. PROVIDE NON-CONDUCTIVE LIDS RATED FOR 20,000 POUNDS.
- EXTERIOR LIGHTING SHALL BE CONTROLLED BY TORK MODEL 2007 PHOTOCCELL WITH TORK 2421 RECEPTACLE AND CONNECTED THROUGH LIGHTING CONTACTOR. SEE DIAGRAM ON SHEET E6.2.
- MANUFACTURERS INDICATED ON THE SITE LIGHTING FIXTURE SCHEDULE ARE FOR REFERENCE ONLY. REFER TO SPECIFICATIONS FOR SUBSTITUTION REQUIREMENTS.
- REFER TO UTILITY DRAWINGS FOR ADDITIONAL INFORMATION.
- EXISTING STREET LIGHTING CIRCUIT MUST REMAIN IN SERVICE DURING RELOCATION OF EXISTING STREET LIGHTS.
- SEE CIVIL DRAWINGS FOR TRAFFIC SIGNAL, EMERGENCY FLASHER AND OPTICOM DESIGN, DETAILS AND TECHNICAL SPECIFICATIONS.
- VERIFY LOCATIONS OF FUTURE VEHICULAR AND MAN GATE PULLBOXES WITH OWNER PRIOR TO INSTALLATION (CONDUIT RUNS 39, 40, 41 AND 42).

KEYED PLAN NOTES

- 1" CONDUIT ONLY, FOR FUTURE CAMERA. STUB, CAP AND MARK CONDUIT INSIDE POLE HANDHOLE.
- PROVIDE J-BOX AND WEATHERPROOF SWITCH FOR MONUMENT SIGN. RECESSED IN SIGN WALL. LOCATE 24" AFG, CONTRACTOR TO VERIFY.
- PROVIDE 3/4" EMT FOR LIGHTING AND RECEPTACLE CIRCUIT IN GENERATOR ENCLOSURE (CIRCUIT B-36). CONNECT TO J-BOX AT END OF 1" CONDUIT FROM PANEL 'B' (SEE SITE CONDUIT AND WIRE SCHEDULE BELOW).
- SEE SINGLE LINE DIAGRAM ON SHEET E1.2 FOR WIRE AND CONDUIT SIZES TO PANELS A, B, C, D, AND TRANSFER SWITCH.
- SEE SHEET E3.1 FOR IRRIGATION CONTROLLER CONNECTIONS.
- SEE NEVADA POWER COMPANY DRAWING FOR CONDUIT AND WIRE SIZES.
- SEE SHEET E3.1 FOR CONTINUATION.
- SEE SHEET C-5 FOR CONNECTION FROM PULLBOX TO SIGNAL POLE.

TYPE	DESCRIPTION	MANUFACTURER/CATALOG NUMBER	VOLTAGE	NO. LAMPS	WATTS FIXT.	LAMP TYPE	REMARKS	SYMBOL
S1	ARM MOUNTED METAL HALIDE TYPE III AREA FIXTURE (1)	KSF1-250M-R3-208-LITHONIA SP04-DF-DOB-KSF1HS	208	1	300	M250/U (LPW=80)	POLE: VALMONT 600W3000 CUT TO LENGTH OF 20 FT WITH 4" x 6.5" HANDHOLE	S1
S2	ARM MOUNTED METAL HALIDE TYPE III AREA FIXTURE (2090)	KSF1-250M-R3-208-LITHONIA SP09-DF-DOB-D90	208	2	600	M250/U (LPW=80)	POLE: VALMONT 600W3000 CUT TO LENGTH OF 20 FT WITH 4" x 6.5" HANDHOLE	S2
S3	WALL MOUNTED 4 FT 2-LAMP FLUORESCENT WRAP FIXTURE	WVC-232-120-GE810IS-EL14	120	2	80	F032/841 (LPW=92)	ENCLOSURE AT 8'-0" AFF. COORDINATE LOCATION.	S3
S4	RECESSED METAL HALIDE FLAG UPLIGHT WITH SPOT OPTICS	ALLSCAPE SL33-100MH-SPT-120-BK	208	1	130	M100/U/MED (LPW=85)	LOCATE AT 180 DEGREES 3'-0" FROM FLAGPOLE TO CENTER OF LENS	S4

NOTE: TYPES S1 AND S2 ARE FULL CUTOFF LUMINAIRES WITH FLAT LENSES.



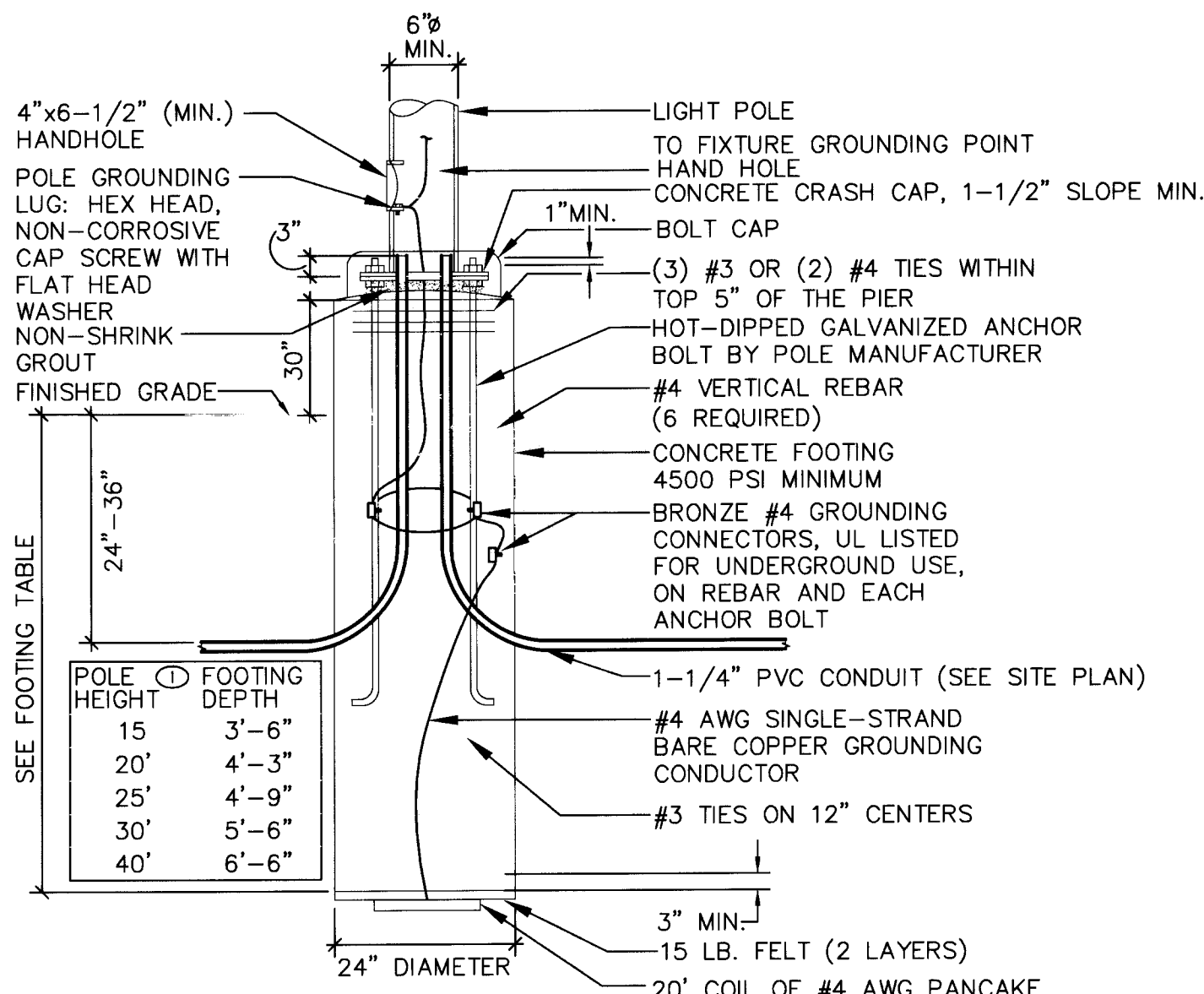
FIXTURE TYPES S1 AND S2 SINGLE AND DOUBLE FIXTURE WIRING DIAGRAMS

NOT TO SCALE

E	PANELBOARD (LETTER=DESIGNATION)
TTB	TELEPHONE TERMINAL BOARD
□	DISCONNECT SWITCH
■	PUSHBUTTON
⚡	MOTOR
▢	PRECAST PULLBOX
▣	NEVADA POWER PULLBOX
⌚	SINGLE PHASE PAD MOUNTED TRANSFORMER
■	PAD MOUNTED SERVICE PEDESTAL
■	MAIN SWITCHBOARD

NEVADA POWER: PROJ ID: 176925
SPRINT TELEPHONE:
COX COMMUNICATIONS:

SEE NEVADA POWER DRAWINGS FOR EXACT LOCATION OF MAIN SERVICE POINT OF CONNECTION AND ADDITIONAL WORK NOT SHOWN ON THIS SHEET. CONTRACTOR SHALL VERIFY SCOPE OF WORK WITH NEVADA POWER CO.



FIXTURE TYPES S1 AND S2 BOLTED LIGHT POLE FOUNDATION

NOT TO SCALE

DETAIL NOTES

- TABLE BASED ON CITY OF LAS VEGAS STANDARD DETAILS. VERIFY DEPTH WITH CIVIL AND STRUCTURAL ENGINEERS.
- WIRING SHALL EXTEND 18" BEYOND HANDHOLE. COVER SHALL BE BOLTED WITH GALVANIZED OR STAINLESS STEEL TAMPER PROOF BOLTS.
- PROVIDE FUSES IN HANDHOLE (BUSSMANN 10A) WITH #10 UF CONDUCTORS FROM FUSE TO LUMINAIRE. CONNECT LINE SIDE OF FUSE TO BRANCH CIRCUIT CONDUCTORS WITH #10 THW. SPLICES SHALL BE MADE WITH SPLIT BOLT CONNECTORS.
- SEE TECHNICAL SPECIFICATIONS, SECTION 16520 FOR ADDITIONAL REQUIREMENTS.
- ENTIRE BASE SHALL BE POURED MONOLITHICALLY WITH THE TOP OF THE BASE, WHICH WILL HAVE A 1-1/2" DOME.
- SONOTUBE FORMS ARE TO BE STRIPPED OFF FOUR (4) HOURS AFTER POUR WHILE CONCRETE IS STILL GREEN. GREEN CONCRETE SHALL BE STONE RUBBED TO PROVIDE A SMOOTH, SEAMLESS SURFACE APPEARANCE AND THEN GIVEN A LIGHT BROOM FINISH. THE BASE IS TO BE WET CURED FOR SEVEN (7) DAYS.

FIXTURE TYPES S1 AND S2 BOLTED LIGHT POLE FOUNDATION

NOT TO SCALE



DEPARTMENT OF PUBLIC WORKS

CITY OF LAS VEGAS, NEVADA
FIRE STATION #48
ELECTRICAL SITE PLAN

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

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9175 WEST FLAMINGO ROAD, LAS VEGAS, NEVADA 89147
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REVISIONS

NO.	DATE	DESCRIPTION
1	06/21/07	AS NOTED

FILE: 06-094
DATE: 07/21/07
SCALE: AS NOTED
SHEET NO: 22 OF 26 SHEETS
SHEET NO: C-ES.1