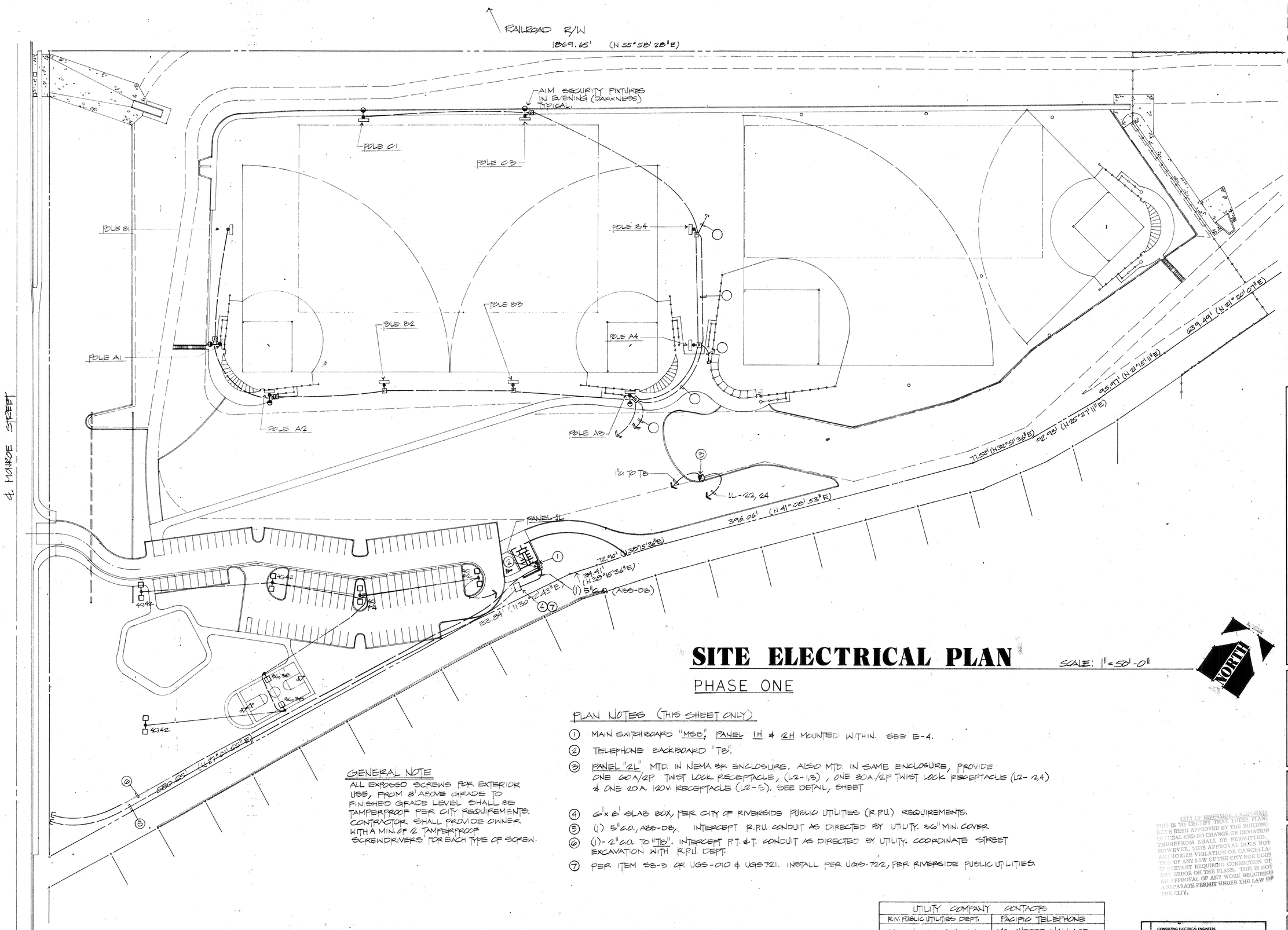

SITE ELECTRICAL PLAN

SCALE: 1"=50'-0"

PHASE ONE

PLAN NOTES (THIS SHEET ONLY)

1. MAIN SWITCHBOARD "MSB", PANEL 1H & 2H MOUNTED WITHIN. SEE E-4.
2. TELEPHONE BACKBOARD "TB".
3. PANEL "2L" MTD. IN NEMA 3R ENCLOSURE. ALSO MTD. IN SAME ENCLOSURE, PROVIDE ONE 60A/2P TWIST LOCK RECEPTACLE, (L2-1,3), ONE 30A/2P TWIST LOCK RECEPTACLE (L2-2,4) & ONE 20A 120V. RECEPTACLE (L2-5). SEE DETAIL, SHEET
4. 6'x 8' SLAB BOX, PER CITY OF RIVERSIDE PUBLIC UTILITIES (R.P.U.) REQUIREMENTS.
5. (1) 5"C.O., ABS-DB, INTERCEPT R.P.U. CONDUIT AS DIRECTED BY UTILITY. 36" MIN. COVER
6. (1)-2"C.O. TO "TB". INTERCEPT P.T. & T. CONDUIT AS DIRECTED BY UTILITY. COORDINATE STREET EXCAVATION WITH R.P.U. DEPT.
7. PER ITEM SB-3 OR UGS-010 & UGS721. INSTALL PER UGS-722, PER RIVERSIDE PUBLIC UTILITIES.

GENERAL NOTE

ALL EXPOSED SCREWS FOR EXTERIOR USE, FROM 8' ABOVE GRADE TO FINISHED GRADE LEVEL SHALL BE TAMPERPROOF PER CITY REQUIREMENTS. CONTRACTOR SHALL PROVIDE OWNER WITH A MIN. OF 2 TAMPERPROOF SCREWDRIVERS FOR EACH TYPE OF SCREW.

UTILITY COMPANY CONTACTS	
R.V. PUBLIC UTILITIES DEPT.	PACIFIC TELEPHONE
MR. CHARLIE BLUEMEL 3900 MAIN ST. RIVERSIDE, CA. 92522 (714) 787-7281	MS. CHERRE WALLACE 3073 ADAMS RIVERSIDE, CA. 92504 (619) 359-2548

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ASLA

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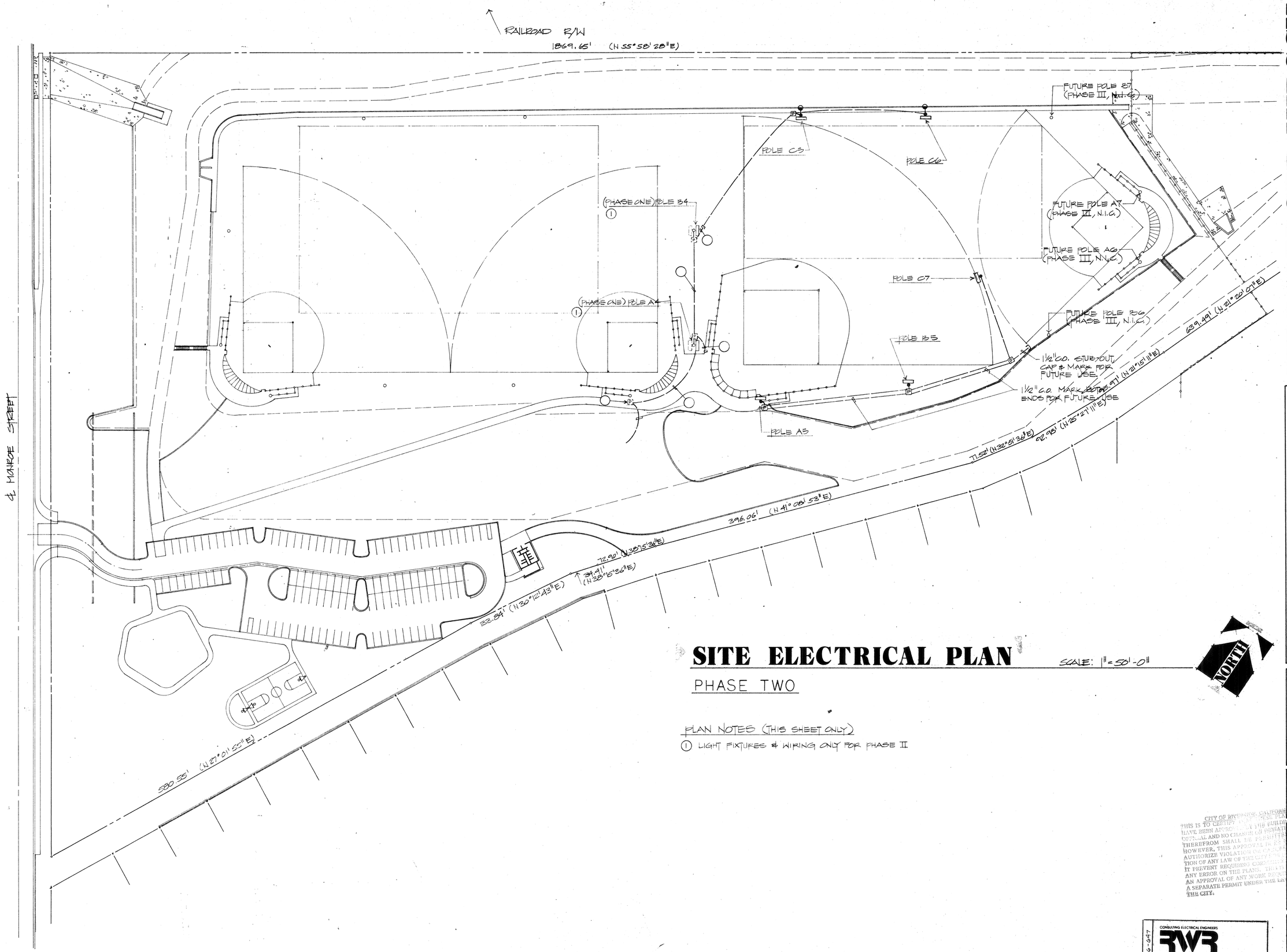
City of Riverside
Park Improvement Plans for;
Monroe Park, Phases I, II & III
Don Lorenzi Sports Complex

Date;
Design;
Job No;

Description;
SITE ELECTRICAL

Sheet E-1 **of** 5



SITE ELECTRICAL PLAN

SCALE: 1" = 50'-0"

PHASE TWO

PLAN NOTES (THIS SHEET ONLY)

① LIGHT FIXTURES & WIRING ONLY FOR PHASE II

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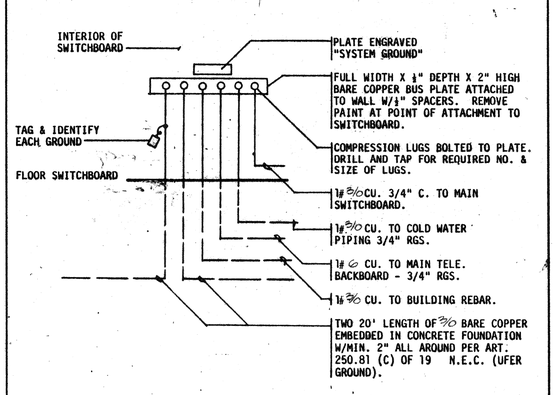
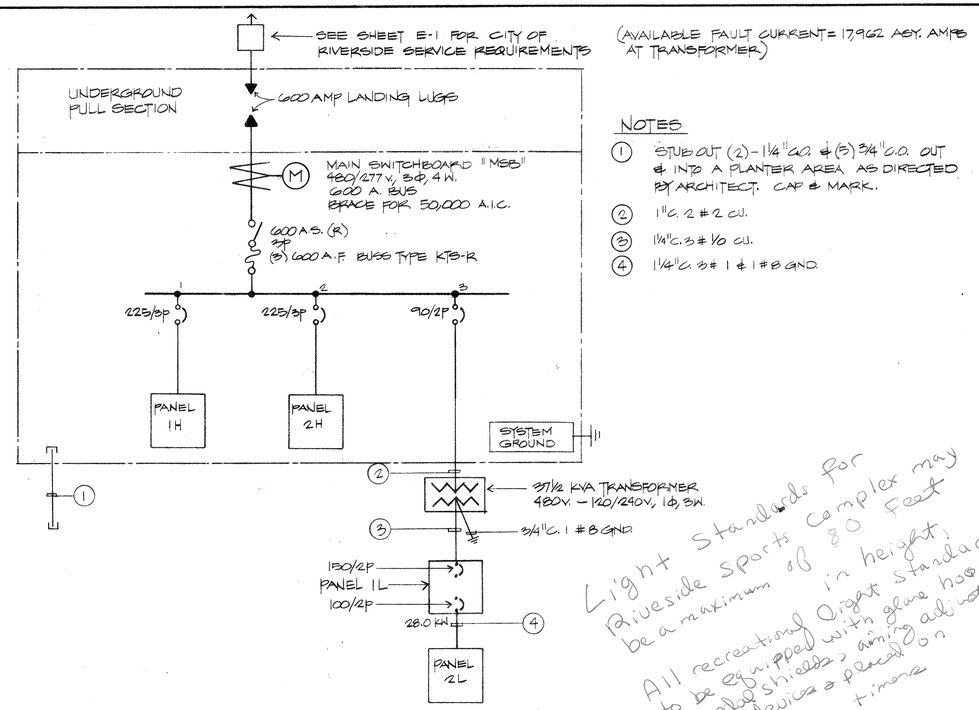
Sheet E-2 **of** 5



SYSTEM GROUND DETAIL N.T.S. (B)



NOTES

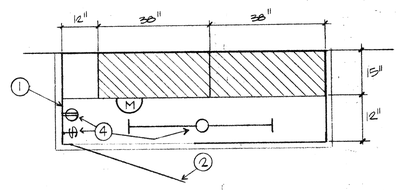
1. STUB OUT (2) - 1¼" C.O. & (3) 3/4" C.O. OUT & INTO A PLANTER AREA AS DIRECTED BY ARCHITECT. CAP & MARK.
2. 1" C. 2 #2 CU.
3. 1¼" C. 3 # 1/0 CU.
4. 1¼" C. 3 # 1 & 1 # 8 GND.

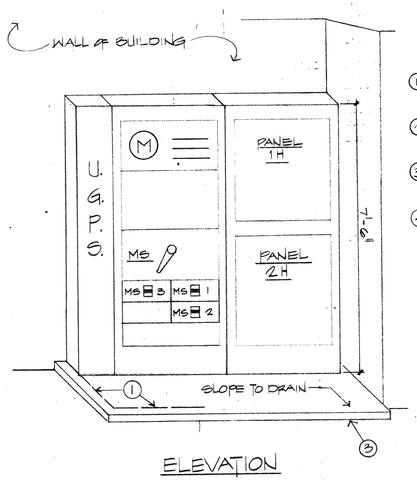
Light Standards for Riverside Sports Complex may be a maximum of 80 Feet in height. All recreational light standards to be equipped with glare hoods, vandal shields, aiming devices & photo timers

SINGLE LINE DIAGRAM N.T.S. (A)

ELECTRICAL SYMBOLS

	FLUORESCENT STRIP FIXTURE - SURFACE OR PENDENT MOUNTED
	FLUORESCENT ENCLOSED FIXTURE SURFACE MTD. WITH OUTLET BOX
	POLE MOUNTED FIXTURES FOR BALLFIELD LIGHTING.
	INCANDESCENT OR H.I.D FIXTURE SURFACE OR PENDENT MTD. WITH OUTLET BOX
	INCANDESCENT OR H.I.D. FIXTURE RECESSED MTD. WITH OUTLET BOX
	INCANDESCENT OR H.I.D FIXTURE SURFACE OR RECESSED WALL MTD. WITH OUTLET BOX
	INCANDESCENT OR H.I.D FLOOD LIGHT MTD. ON BALLFEILD POLES AS INDICATED.
	SHADED FIXTURES INDICATES CONNECTED TO EITHER EMERGENCY OR NIGHT LIGHT
	POLE MOUNTED LIGHT FIXTURE
	POST MOUNTED LIGHT FIXTURE
	EXIT LIGHT SURFACE OR PENDENT MTD. WITH OUTLET BOX - ARROWS AS INDICATED
	"A" INDICATES ELECTRICAL FIXTURE TYPE "200" INDICATES TOTAL FIXTURE WATTAGE
	SINGLE POLE TOGGLE SWITCH +48" OR AS NOTED. SUBSCRIPT AT SWITCH INDICATES CONTROL
	SPECIAL PURPOSE OUTLET
	DUPLEX CONVENIENCE OUTLET MTD +12" OR AS NOTED
	JUNCTION BOX FLUSH CEILING MTD
	JUNCTION BOX FLUSH WALL MTD. +12' OR AS NOTED
	INDICATES CONNECTION TO EQUIPMENT (FLEX)
	TELEPHONE OUTLET +12" OR AS NOTED
	TELEPHONE OUTLET MTD ON FLOOR BOX
	TELEPHONE OUTLET MTD FLUSH IN FLOOR
	THERMOSTAT OUTLET +48" OR AS NOTED
	MOTOR
	FAN
	DISCONNECT SWITCH - HP RATED
	FUSED DISCONNECT SWITCH HP RATED - FUSE SIZES SHALL BE DETERMINED BY EQUIPMENT MANUFACTURE
(5)	MAGNETIC MOTOR STARTER - NUMBER INDICATES NEMA SIZE
(5)	COMBINATION DISCONNECT SWITCH AND MOTOR STARTER
	ELECTRICAL PANEL - SURFACE MTD
	ELECTRICAL PANEL - RECESSED MTD
	TERMINAL CABINET
	ELECTRICAL SWITCHBOARD AND/OR METER GROUP
	TELEPHONE PLYWOOD BACKBOARD SIZED AS NOTED
	GROUND
	CONDUIT RUN EXPOSED
	CONDUIT RUN CONCEALED IN OR UNDER FLOOR OR BELOW GRADE, 3/4" C. MINIMUM, NO. OF CONDUCTORS AS NOTED
	CONDUIT STUB-OUT
	CONDUIT RUN CONCEALED IN WALL OR CEILING
	3/4" C. 2 #12 SEE SPECS. / 3 #12 / 4 #12 / 5 #12 / 6 #12
A-1,3,5	HOME RUN TO PANEL "A", NUMBERS INDICATES CIRCUITS IN PANEL "A"
—T—	TELEPHONE CONDUIT ONLY WITH PULL WIRE 3/4" C. OR AS NOTED (T1 = 1" C.O., T2 = 1¼" C.O.)
C.O.	CONDUIT ONLY
WP	WEATHERPROOF
MH	MOUNTING HEIGHT TO BOTTOM OF DEVICE
+12"	HEIGHTS GIVEN ARE TO CENTER LINE OF OUTLET
PROVIDE	FURNISH, INSTALLED AND CONNECTED





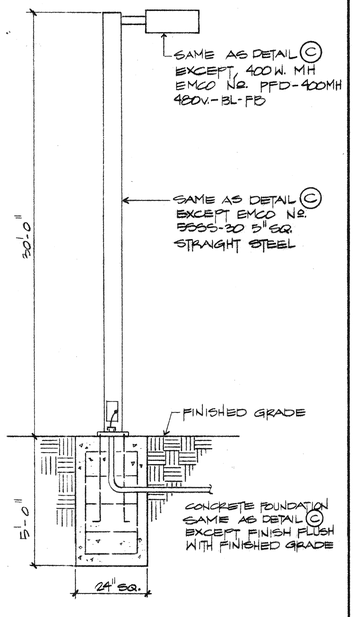
NOTES:

1. W.P. ENCLOSURE, NEMA 3R 12 GAUGE STEEL.
2. PIANO HINGED, PADDLOCKABLE DOORS (2).
3. 3" HIGH HOUSEKEEPING PAD CONCRETE 2000 PSI @ 28 DAYS
4. SEE PLAN SHEET E-5

MAIN SWITCHBOARD, "MSB" ELEVATION N.T.S. (E)

NOTE: PROVIDE (1) 400 W. METAL HALIDE LAMP PER FIXTURE

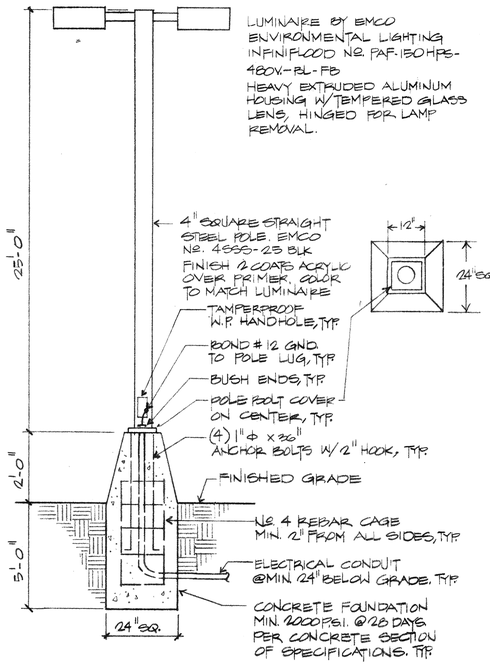
INDICATED BY □• ON PLANS



BASKETBALL LTG. N.T.S. (D)

NOTE: PROVIDE (1) 150 W. HPS CLEAR LAMP FOR EACH FIXTURE

TWO FIXTURES PER POLE WHERE INDICATED BY □•□ ON PLANS



PARKING/SECURITY LTG. N.T.S. (C)

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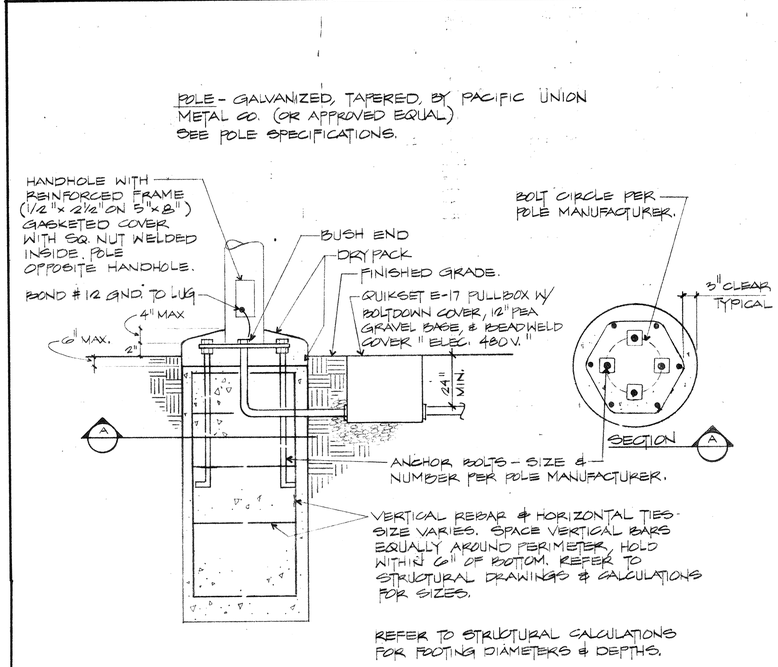
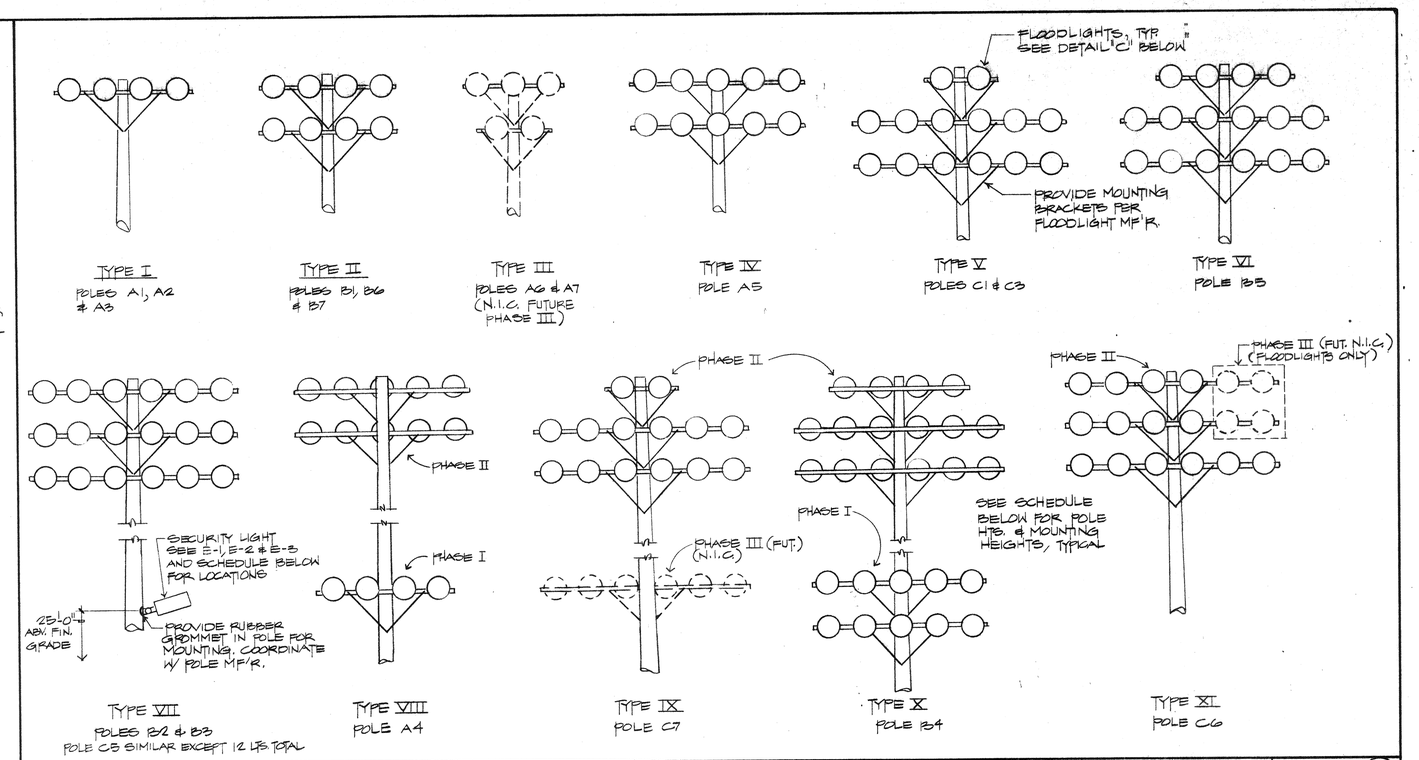
Sheet E-3 **of** 5



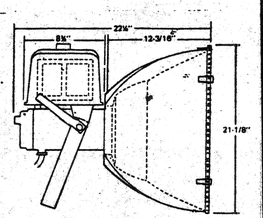
BALLFIELD POLE FOUNDATION DETAIL — SCALE NONE (B)



BALLFIELD POLE & FLOODLIGHT MOUNTING CONFIGURATIONS — SCALE NONE (A)

SPECIFICATIONS

* Stainless steel lens ring with four clamps.
* Thermal shock and impact resistant gasketed lens.
* Neoprene gasketed for positive weather seal.
* Alzak finished spun heavy gauge aluminum reflector.
* Heavy duty die cast finned outer hosing.
* Beam Sight (removable)
* Totally weatherproof thermally isolated finned ballast and cast aluminum socket housings.
* High quality porcelain socket nickel plated lamp grip screw shell and spring loaded center contact.
* Degree aiming quadrant with positive position stop.
* Easy service locking handle.
* Completely pre-wired for ease of installation and servicing.
* Finished in weatherproof, heat resistance baked enamel.



E.P.A.: 2.35 sq. ft.
Weight: 66 lbs.

NORTH STAR LIGHTING NO. SB-8XIR-480-H-HD

BALLFIELD FLOODLIGHT DETAIL N.T.S. (C)

BALLFIELD POLE AND FLOODLIGHT SCHEDULE

PHASE #	POLE #	POLE HT.	NO. OF LTS.	MTG. HT.	NO. OF LTS. EA. ACTIV. S.B./B.B.	F.B./SOC.	SECURITY LT.	COMMENTS
I	A1	40'	4	40'			1@ 25'	
"	A2	40'	4	40'			1@ 25'	
"	A3	40'	4	40'			1@ 25'	
"	A4	80'	4	80'			1@ 25'	
"	B1	60'	8	60'				
"	B2	80'	18	80'				
"	B3	80'	18	80'				
"	B4	80'	10	60'				
"	C1	70'	14	70'			1@ 25'	
"	C3	70'	14	70'			1@ 25'	
II	A5	80'	10	80'			1@ 25'	
"	B5	80'	16	80'				
"	C5	80'	12	80'			1@ 25'	
"	C6	80'	14	80'			1@ 25'	
"	C7	80'	14	80'				
"	A4*		10	80'				POLE IN I
"	B4*		16	80'				POLE IN I
III(1)	A6	50'	5	50'			1@ 25'	
"	A7	50'	5	50'			1@ 25'	
"	B6	60'	8	60'				
"	B7	60'	8	60'				
"	C6*		4	80'				POLE(2) IN II
"	C7*		6	60'				POLE IN II

* SEE COMMENTS
(1) PHASE III N.I.C. SHOWN FOR CLARITY ONLY
(2) AND MOUNTING BRACKETS

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Design; C. JENNINGS
Job No;

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ELECTRICAL DETAILS
BALLFIELDS LIGHTING
SCHEDULE

Sheet E-4 of 5

ELECTRICAL PANEL 1H

VOLTAGE 480V, 3Φ 3W — MOUNTING SWITCHBOARD
BUS SIZE ____ — MAIN C.B. ____

CIRC. NO.	BREAKER AMP	BREAKER POLE	OUTLETS LTG	OUTLETS REC	OUTLETS OTHER	WATTAGE ΦA	WATTAGE ΦB	WATTAGE ΦC	REMARKS
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
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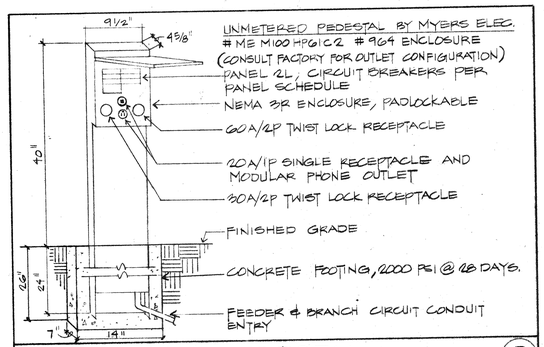
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
PER PHASE AND TOTAL LOAD									W.

L.C.L. ____ W x 1.25% = ____ W
OTHER LOAD = ____ W
TOTAL = ____ W ____ AMPERES



PANEL "2L" PEDESTAL N.T.S. (B)

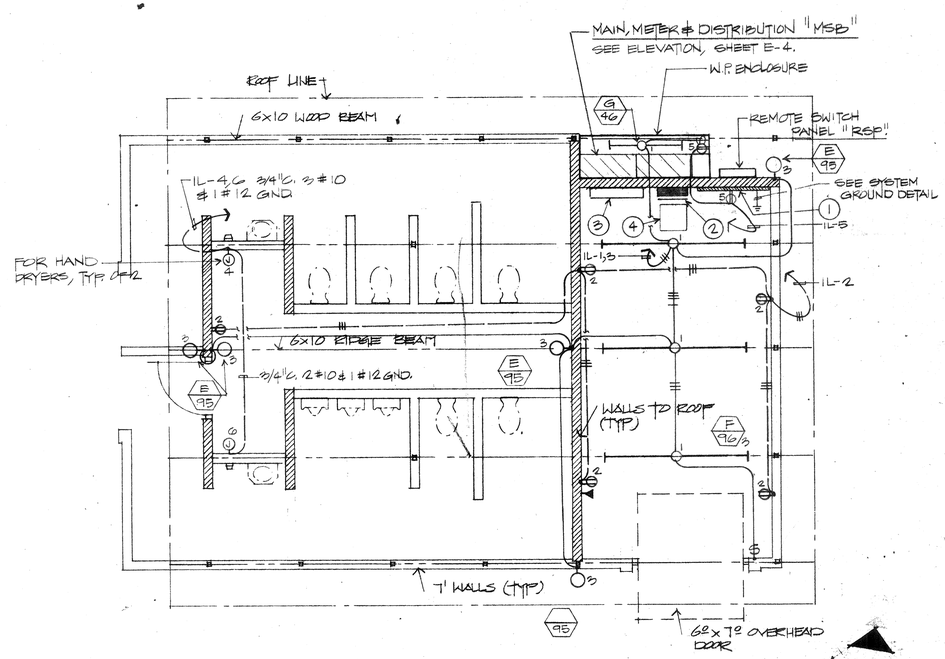
ELECTRICAL PANEL 2L (1)

VOLTAGE 120/240V, 1Φ 3W — MOUNTING PEDESTAL
BUS SIZE 100 AMP — MAIN C.B. 100/2P NON-AUTO

CIRC. NO.	BREAKER AMP	BREAKER POLE	OUTLETS LTG	OUTLETS REC	OUTLETS OTHER	WATTAGE ΦA	WATTAGE ΦB	WATTAGE ΦC	REMARKS
1	20	2				5755			CONCESSIONS
2	30	2				2877			CONCESSIONS
3							5755		
4							2877		
(2) 5	20	1		3		540			BALLFIELDS PEDESTAL
6	20			2		360			BALLFIELDS
7									
8									
9									
10									
11									
12									
PER PHASE AND TOTAL LOAD						9332	8632		18164 W.

L.C.L. 17264 — W x 1.25% = 21580 W
OTHER LOAD = 900 W
TOTAL = 22,480 W 93.7 AMPERES

(1) STUB OUT (3) 3/4" C.O. 5' OUT & INTO UNPAVED AREA. CAP & MARK
(2) G.F.I. CIRCUIT BREAKER



RESTROOM ELECTRICAL PLAN

SCALE: 1/4"=1'-0" (A)

ELECTRICAL PANEL 2H

VOLTAGE 480V, 3Φ 3W — MOUNTING SWITCHBOARD
BUS SIZE ____ — MAIN C.B. ____

CIRC. NO.	BREAKER AMP	BREAKER POLE	OUTLETS LTG	OUTLETS REC	OUTLETS OTHER	WATTAGE ΦA	WATTAGE ΦB	WATTAGE ΦC	REMARKS
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
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34									
35									
36									
37									
38									
39									
40									
41									
42									
PER PHASE AND TOTAL LOAD									W.

L.C.L. ____ W x 1.25% = ____ W
OTHER LOAD = ____ W
TOTAL = ____ W ____ AMPERES

ELECTRICAL PANEL 1L

VOLTAGE 120/240V, 1Φ 3W — MOUNTING SURFACE
BUS SIZE 150 A — MAIN C.B. 150/2P

CIRC. NO.	BREAKER AMP	BREAKER POLE	OUTLETS LTG	OUTLETS REC	OUTLETS OTHER	WATTAGE ΦA	WATTAGE ΦB	WATTAGE ΦC	REMARKS
1	20	1	4			144			OFFICE
2	↓			3		900			OFFICE, CHASE
(1) 3	✓						475		RESTROOMS EXTERIOR
4	30						2400		HAND DRYER
5	20			2		2400			WEB. TBLE.
6	30					2400			HAND DRYER
7	20						300		SPACE
8	↓						300		
9						300			
10						300			
11							300		
12	✓						300		T1 & RELAY 2015
13	—					—			SPACE
14	—					—			
15	—						—		
16	—						—		
17	—					—			
18	—					—			
19	—						—		
20	—						—		
21	—	✓				—			✓
22	100	2				9.72			PANEL 2L
23	—						—		SPACE
24							8992		—
PER PHASE AND TOTAL LOAD						2976	18867		27843 W.

L.C.L. 619 — W x 1.25% = 774 W
OTHER LOAD = 27224 W
TOTAL = 27998 W 116.7E AMPERES

(1) PROVIDE PHOTO CELL-"ON", TIME CLOCK-"OFF". MT. PHOTO CELL ON ROOF, AIM NORTH

LIGHTING FIXTURE SCHEDULE

Sym. Watts	description	lamps no.	lamps watts	lamps type	mounting
A 1075	BALLFIELD FLOODLIGHT. SEE DETAIL (C/E-4)	—	—	—	—
B 135	SECURITY LIGHT MOUNTED ON BALLFIELD POLES. EMCO #PAD-100HPS-480, BLACK	1	100	H.P.S. E-23½	ON BALLFIELD POLE +25' ABOVE GRADE. COORDINATE W/POLE MF'R.
C 210	PARKING LOT LIGHTING. SEE DETAIL (C/E-3)	—	—	—	—
D 460	BASKETBALL LIGHTING. SEE DETAIL (D/E-3)	—	—	—	—
E 95	WALL PACK. KENALL #5760-9056-9000. 120V. DAMP LABEL	1	70	S-62 H.P.S.	WALL. SEE RESTROOM PLAN.
F 96	PRUDENTIAL ENCLOSED STRIP #P-1601-96-RSTW-PRA DAMP LABEL. 120V.	2	40	F40/T-12 RS/CW	ON SURFACE OF 6 x 10 WOOD BEAM, CENTERED.
G 46	PRUDENTIAL STRIP W/WIRE GUARD. P-WG-101-RS 120V.	1	40	F40/T-12 RS/CW	SURFACE INSIDE MSB ENCLOSURE.

PLAN NOTES (RESTROOM PLAN ONLY)

(1) TELEPHONE BACKBOARD, "TB". 4'x4'x3/4" THK. PLYWOOD PER P.T.&T. REQ.
(2) PANEL 1L
(3) BALLFIELD RELAY PANEL, "BRP". SEE DIAGRAM SHEET E-5.
(4) TRANSFORMER T1, MTD. ON WALL ABOVE PANEL 1L, BRACED WITH 1½"x1½" ANGLE IRON BOLTED TO THE WALL. TRANSFORMER TO MOUNT 12" FROM THE WALL ON LORD SHOCK SUPPORTS.

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PANEL SCHEDULES
LTG. FIXTURE SCHEDULE
PEDESTAL DETAIL

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