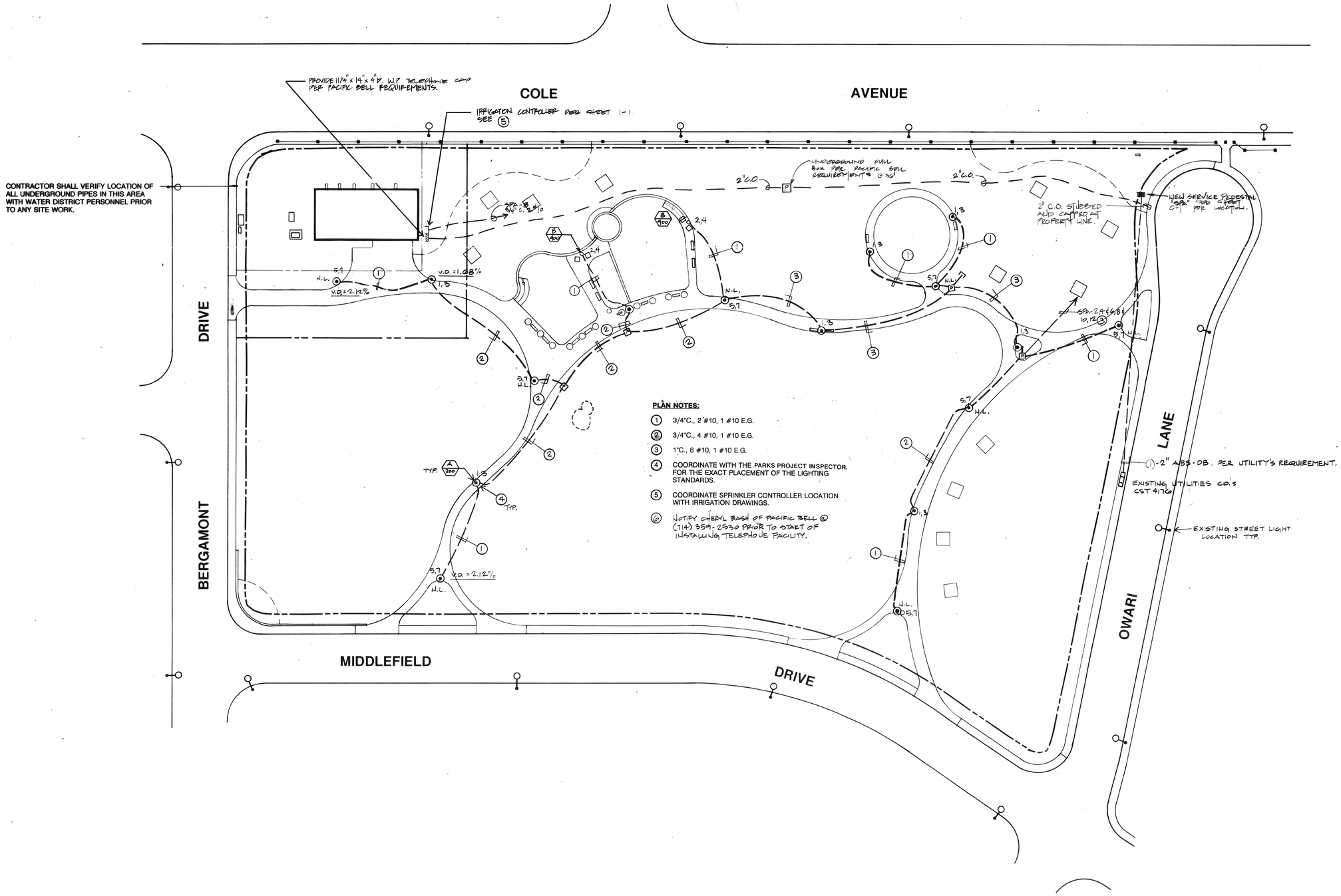

PLAN NOTES:

1. 3/4"C., 2 #10, 1 #10 E.G.
2. 3/4"C., 4 #10, 1 #10 E.G.
3. 1"C., 6 #10, 1 #10 E.G.
4. COORDINATE WITH THE PARKS PROJECT INSPECTOR FOR THE EXACT PLACEMENT OF THE LIGHTING STANDARDS.
5. COORDINATE SPRINKLER CONTROLLER LOCATION WITH IRRIGATION DRAWINGS.
6. NOTIFY CHERYL BASH OF PACIFIC BELL @ (714) 359-2530 PRIOR TO START OF INSTALLING TELEPHONE FACILITY.

PACIFIC BELL CHERYL BASH (714)359-2530	RIVERSIDE UTILITY CHAS BLUEMEL (714) 782 – 5281

CONTACT : JACK T. TAMAI

21 – 582

RWR PASCOE
ELECTRICAL ENGINEERS • LIGHTING CONSULTANTS
One Venture, Suite 200, Irvine, California 92718, (714) 753-4777, Fax 753-1588
92690 Cactus Ave., #140, Moreno Valley, CA 92553, (714) 653-9895, Fax 653-7198

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landscape architecture • planning
6180 Brockton Avenue, Suite 201 • Riverside, CA 92506
(714) 369-0700 fax (714) 369-4039

BERGAMONT PARK
CITY OF RIVERSIDE
DEPARTMENT OF PARK AND RECREATION

SHEET DESCRIPTION
ELECTRICAL SITE PLAN

REGISTERED LANDSCAPE ARCHITECT
TIMOTHY J. MALONEY NO. 2110
Signature
Date
STATE OF CALIFORNIA

DATE	2/21/92
JOB NO	910309
DRAWN	C.M.C
CHECKED	J.P.A. SR.
REVISIONS	

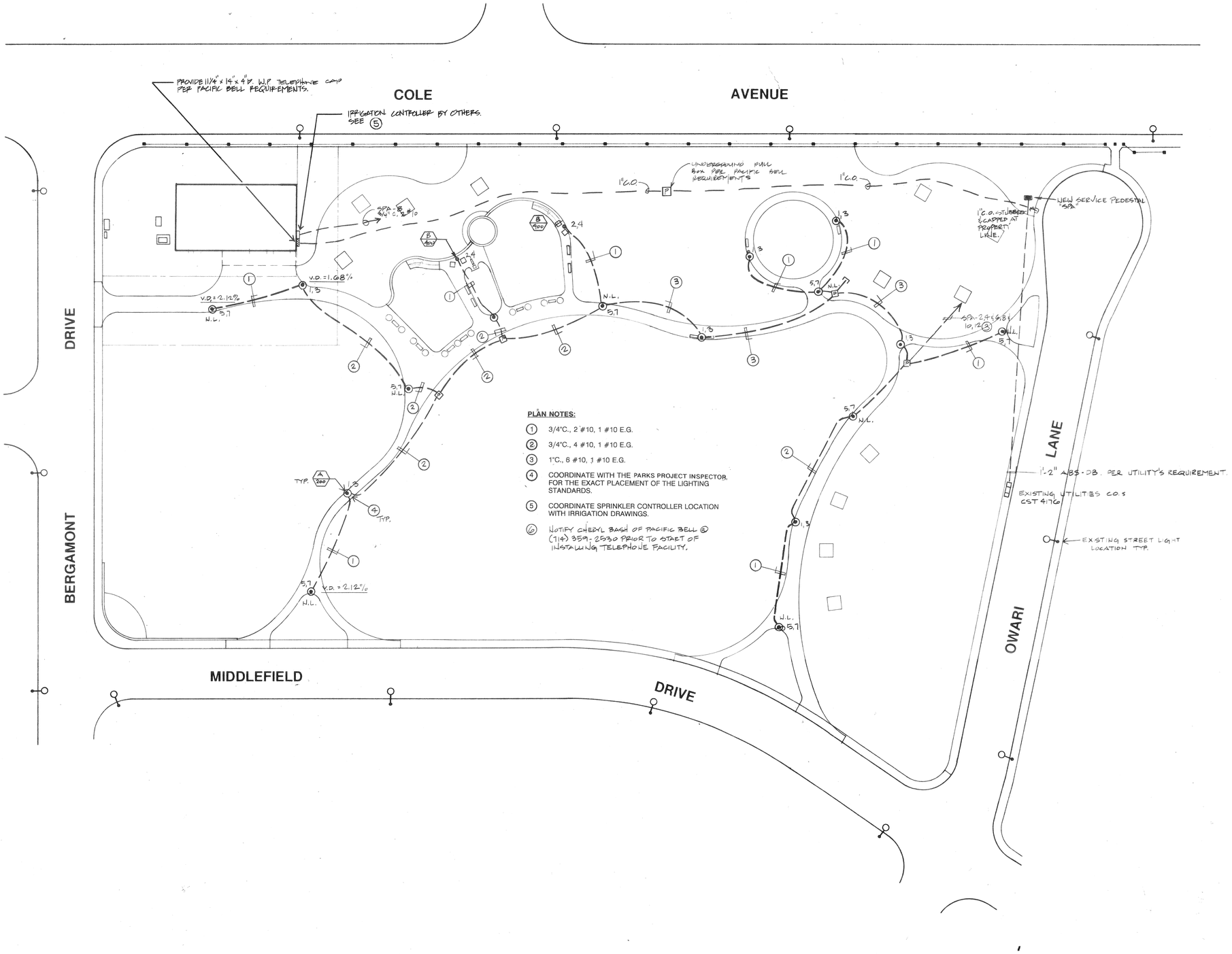
REGISTERED PROFESSIONAL ENGINEER
JACK T. TAMAI
9-30-94
ELECTRICAL
STATE OF CALIFORNIA

SCALE 1" = 30' -0"

E-1

11 OF 13

PLAN NO. P-0921



PLAN NOTES:

1. 3/4"C., 2 #10, 1 #10 E.G.
2. 3/4"C., 4 #10, 1 #10 E.G.
3. 1"C., 6 #10, 1 #10 E.G.
4. COORDINATE WITH THE PARKS PROJECT INSPECTOR, FOR THE EXACT PLACEMENT OF THE LIGHTING STANDARDS.
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NOV 18 1991

PACIFIC BELL CHERYL BASH (714)359-2530	RIVERSIDE UTILITY CHAS BLUEMEL (714) 782 - 5281

RECEIVED
NOV. 18 1991
PARK & RECREATION DEPARTMENT

CONTACT : JACK T. TAMAI

21 - 582

RWR PASCOE
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92690 Cactus Ave., #140, Moreno Valley, CA 92553, (714) 653-9995, Fax 653-7198

SCALE 1" = 30' -0"

E-1

10 OF 11

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landscape architecture • planning
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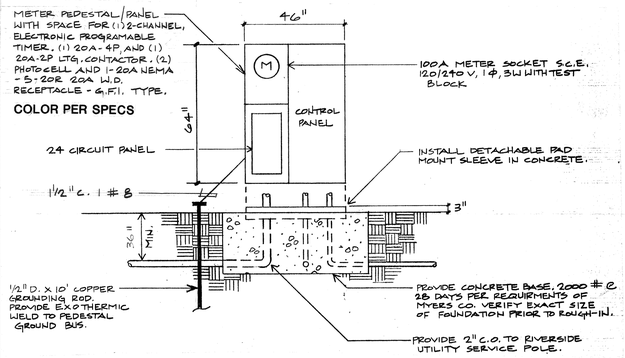
(714) 369-0700 fax (714) 369-4039

BERGAMONT PARK
CITY OF RIVERSIDE
DEPARTMENT OF PARK AND RECREATION

SHEET DESCRIPTION
ELECTRICAL SITE PLAN

REGISTERED LANDSCAPE ARCHITECT
TIMOTHY L. MALONEY NO. 2710
Signature
Date
STATE OF CALIFORNIA

DATE 11-18-91
JOB NO 910309
DRAWN C.M.C
CHECKED J.P.A. SR.
REVISIONS



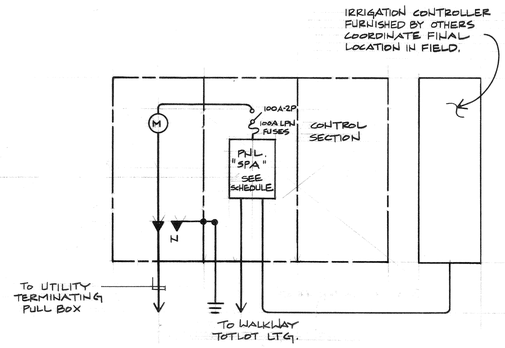
LOAD SUMMARY

WALKWAY LTG.	4.0 KW
TOT LOT LTG.	1.0 KW
IRRIGATION CONTROLLER AND RECPT.	.54
TOTAL	5.54 KW

OR 23.1 @ 120/240 V, 1 Φ, 3W

NOTE: LTG. LOAD INCLUDES L.C.L.

SERVICE PEDESTAL — SCALE N.T.S. — 1



SINGLE LINE DIAGRAM — SCALE N.T.S. — 2

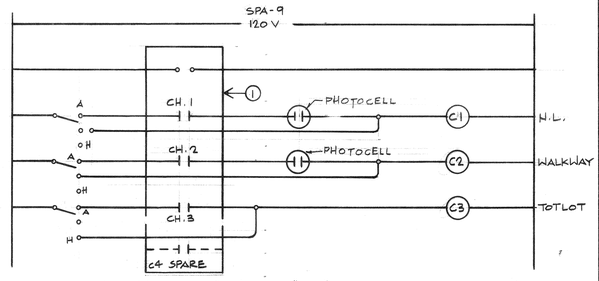
SYMBOL LIST

	POLE MOUNTED LIGHT FIXTURE. - TYPE "B" FIXTURE.
	POST MOUNTED LIGHT FIXTURE. - TYPE "A" FIXTURE.
A 200	"A" INDICATES ELECTRICAL FIXTURE TYPE. "200" INDICATES TOTAL FIXTURE WATTAGE.
E.G.	EQUIPMENT GROUND.
NL	NIGHT LIGHT.
G.F.I.	GROUND FAULT INTERRUPTER.
	DUPLEX CONVENIENCE OUTLET, +12" OR AS NOTED.
	ELECTRICAL SERVICE PEDESTAL.
	GROUND.
	CONDUIT RUN CONCEALED BELOW GRADE, 3/4"C. MINIMUM, NO. OF CONDUCTORS AS NOTED.
	CONDUIT STUB-OUT, CAP AND MARK TERMINATE IN A CONCRETE PULL BOX.
A-1,3,5	HOME RUN TO SERVICE PEDESTAL "A", NUMBERS INDICATES CIRCUITS IN SERVICE PEDESTAL.
C.O.	CONDUIT ONLY, WITH APPROVED PULL WIRE.
W.P.	WEATHERPROOF, NEMA 3R.
M.H.	MOUNTING HEIGHT TO CENTER LINE OF DEVICE.
1	PLAN NOTE CALL OUT.
P	UNDERGROUND PULL BOX WITH TAMPER RESISTANT BOLT DOWN COVER.

LIGHTING FIXTURE SCHEDULE

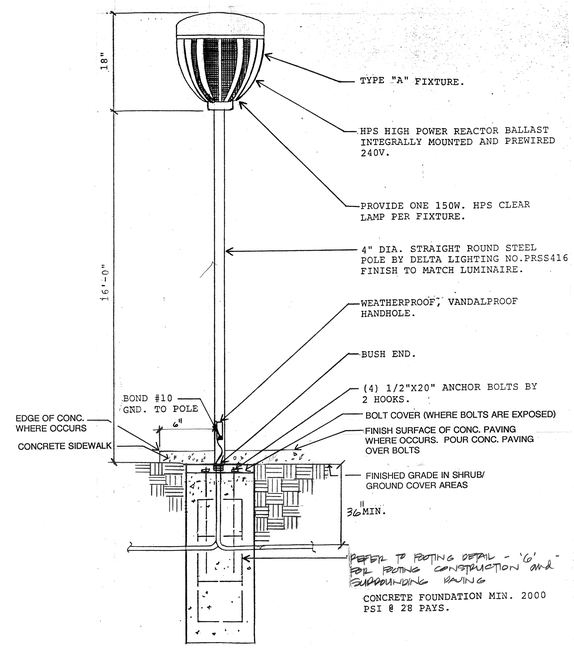
TYPE WATTS SYM	DESCRIPTION	LAMPS NO.	LAMPS WATTS	LAMPS TYPE	VOLTS	MANUFACTURER	CATALOG NO.	MOUNTING
A 200	ROUND ONE PIECE CAST ALUMINUM FINNED BODY WITH SPUN ALUMINUM TOP, PRISMATIC POLY-CARBONATE LENS WITH AN ANSI TYPE V DISTRIBUTION, HPF BALLAST.	1	150	HPS	240 *	DELTA	SEE SPECIFICATION	POLE TOP DETAIL
B 600	RECTANGULAR TYPE CUT-OFF SITE LIGHT OF ONE PIECE CAST ALUMINUM BODY AND DOOR GASKETED AND WITH TEMPERED IMPACT RESISTANT CLEAR GLASS LENS, REMOVABLE BALLAST ASSEMBLY, HPF BALLAST, WITH MOUNTING BRACKET AND VANDAL SHIELD.	2	150	HPS	240 *	MCGRAW EDISON	SEE SPECIFICATION	POLE TOP

* PROVIDE LO-TEMP BALLAST.
PROVIDE 1 SPARE MULTITOP BALLAST FOR EACH TYPE OF FIXTURE.
PROVIDE (3) SPARE LAMPS OF EACH TYPE OF 150 WATT H.P.S.

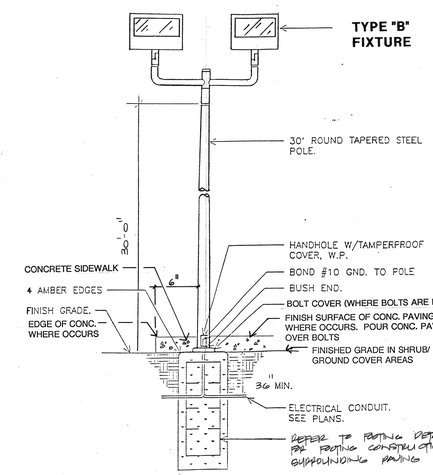


C1 = PHOTOCELL "ON" AND "OFF"
C2 = PHOTOCELL "ON" TO "OFF" 11:00 PM
C3 = TC "ON" AND "OFF"
(1) 4 CHANNEL PROGAMMABLE TIME SWITCH

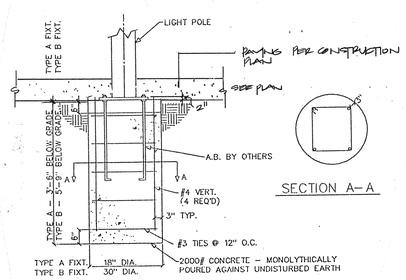
CONTROL DIAGRAM — SCALE N.T.S. — 5



TYPE "A" FIXTURE DETAIL — SCALE N.T.S. — 3

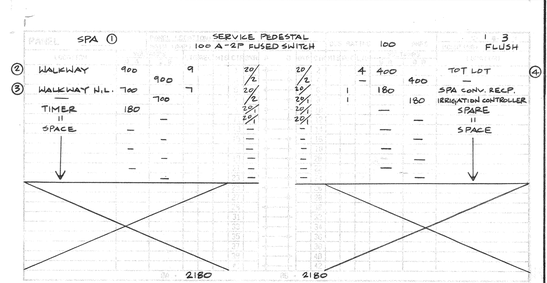


TYPE "B" FIXTURE DETAIL — SCALE N.T.S. — 4



SECTION A-A

CONCRETE FOOTING — SCALE N.T.S. — 6



4000	4540
	5000
	540
	5540
	23.1

(1) PROVIDE 1-4 CHANNL ELECTRONIC PROGRAMMABLE TIMER.
(2) PROVIDE 1-20A-4P LTG. CONTACTOR. PHOTOCELL H-O-A SWITCH FROM CHANNEL 1.
(3) PROVIDE 1-20A-2P LTG. CONTACTOR. PHOTOCELL H-O-A CONTROLLED FROM CHANNEL 2.
(4) PROVIDE CHANNEL 20A-2P LTG. CONTACTOR H-O-A SWITCH CONTROL FROM CHANNEL 3.

REGISTERED PROFESSIONAL ENGINEER JACK T. TANAKA No. 6102 Exp. 12-31-92 ELECTRICAL STATE OF CALIFORNIA

21 - 582

RWR PASCOE
ELECTRICAL ENGINEERS • LIGHTING CONSULTANTS
One Venture, Suite 200, Irvine, California 92718, (714) 753-4777, Fax: 753-1588
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(714) 369-0700 fax (714) 369-4039

BERGAMONT PARK
CITY OF RIVERSIDE
DEPARTMENT OF PARK AND RECREATION

SHEET DESCRIPTION: GENERAL NOTES, ELECTRICAL SYMBOL LIST, LIGHTING FIXTURE SCHEDULE, SINGLE LINE DIAGRAM, PANEL SCHEDULE, LIGHTING FIXTURE TYPES "A", "B" & "B1" DETAILS

REGISTERED LANDSCAPE ARCHITECT TIMOTHY I. MALONEY, INC. LTD. Signature Date STATE OF CALIFORNIA

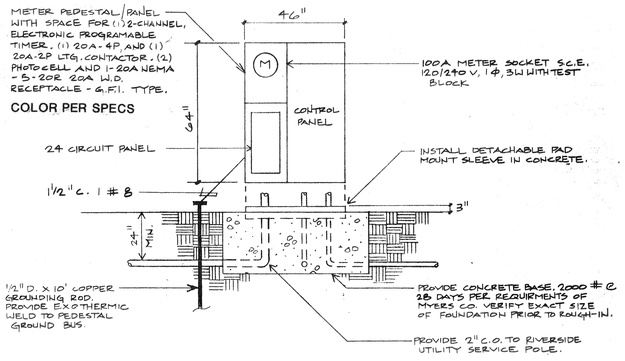
DATE:	2/21/92
JOB NO.:	910309
DRAWN:	C.M.C.
CHECKED:	J.P.A. SR.
REVISIONS:	

SCALE: AS NOTED

E-2

12 OF 13

PLAN NO. P-0921



LOAD SUMMARY

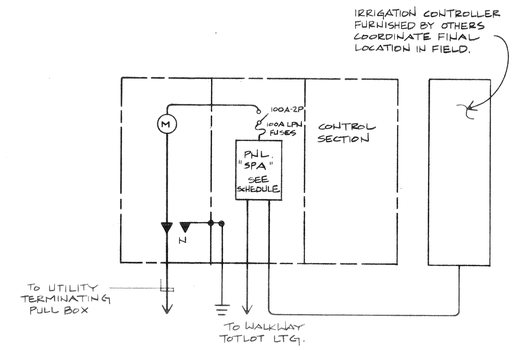
WALKWAY LTG.	4.0 KW
TOT LOT LTG.	1.0 KW
IRRIGATION CONTROLLER AND RECPT.	54
TOTAL	5.54 KW

OR 23.1 @ 120/240 V, 1 ϕ, 3W

NOTE: LTG. LOAD INCLUDES L.C.L.

SERVICE PEDESTAL

SCALE N.T.S. (1)



SINGLE LINE DIAGRAM

SCALE N.T.S. (2)

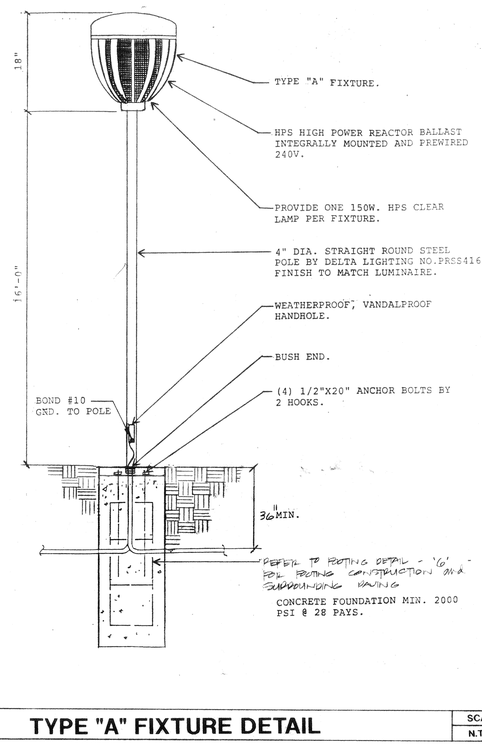
ELECTRICAL SYMBOL LIST

	POLE MOUNTED LIGHT FIXTURE. - TYPE "B" FIXTURE.
	POST MOUNTED LIGHT FIXTURE. - TYPE "A" FIXTURE.
A 200	"A" INDICATES ELECTRICAL FIXTURE TYPE. "200" INDICATES TOTAL FIXTURE WATTAGE.
E.G.	EQUIPMENT GROUND.
NL	NIGHT LIGHT.
G.F.I.	GROUND FAULT INTERRUPTER.
	DUPLEX CONVENIENCE OUTLET, +12" OR AS NOTED.
	ELECTRICAL SERVICE PEDESTAL.
	GROUND.
	CONDUIT RUN CONCEALED BELOW GRADE, 3/4"C. MINIMUM, NO. OF CONDUCTORS AS NOTED.
	CONDUIT STUB-OUT, CAP AND MARK TERMINATE IN A CONCRETE PULL BOX.
A-1,3,5	HOME RUN TO SERVICE PEDESTAL "A", NUMBERS INDICATES CIRCUITS IN SERVICE PEDESTAL.
C.O.	CONDUIT ONLY, WITH APPROVED PULL WIRE.
W.P.	WEATHERPROOF, NEMA 3R.
M.H.	MOUNTING HEIGHT TO CENTER LINE OF DEVICE.
1	PLAN NOTE CALL OUT.
P	UNDERGROUND PULL BOX WITH TAMPER RESISTANT BOLT DOWN COVER.

LIGHTING FIXTURE SCHEDULE

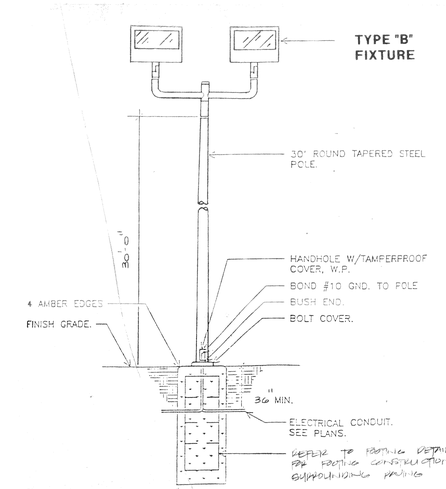
TYPE WATTS SYM	DESCRIPTION	LAMPS NO.	LAMPS WATTS	LAMPS TYPE	VOLTS	MANUFACTURER	CATALOG NO.	MOUNTING
A 200	ROUND ONE PIECE CAST ALUMINUM FINNED BODY WITH SPUN ALUMINUM TOP, PRISMATIC POLY-CARBONATE LENS WITH AN ANSI TYPE V DISTRIBUTION, HPF BALLAST.	1	150	HPS	240 *	DELTA	SEE SPECIFICATION	POLE TOP DETAIL
B 400	RECTANGULAR TYPE CUT-OFF SITE LIGHT OF ONE PIECE CAST ALUMINUM BODY AND DOOR GASKETED AND WITH TEMPERED IMPACT RESISTANT CLEAR GLASS LENS, REMOVABLE BALLAST ASSEMBLY, HPF BALLAST, WITH MOUNTING BRACKET AND VANDAL SHIELD.	2	150	HPS	240 *	MCGRAW EDISON	SEE SPECIFICATION	POLE TOP

* PROVIDE LO-TEMP BALLAST.
PROVIDE 1 SPARE MULTITOP BALLAST FOR EACH TYPE OF FIXTURE.
PROVIDE (3) SPARE LAMPS OF EACH TYPE OF 150 WATT H.P.S.



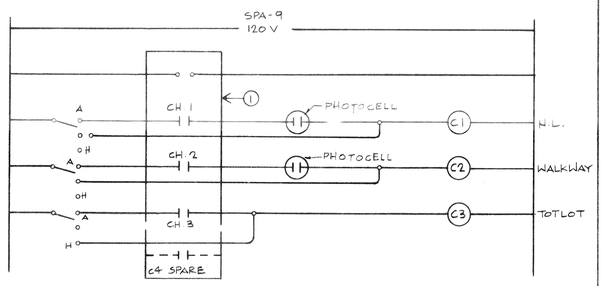
TYPE "A" FIXTURE DETAIL

SCALE N.T.S. (3)



TYPE "B" FIXTURE DETAIL

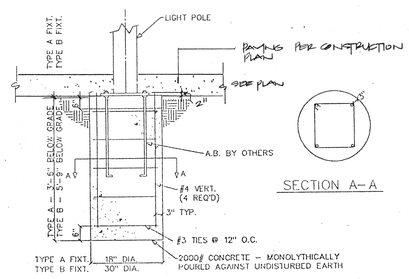
SCALE N.T.S. (4)



C1 = PHOTOCELL "ON" AND "OFF"
C2 = PHOTOCELL "ON" TO "OFF" 11:00PM
C3 = TO "ON" AND "OFF"
(1) 4 CHANNEL PROGAMMABLE TIME SWITCH

CONTROL DIAGRAM

SCALE N.T.S. (5)



CONCRETE FOOTING

SCALE N.T.S. (6)

PANEL SPA (1)	PANEL LOCATION: SERVICE PEDESTAL																									
	MAIN (AMP) 100 A-2P FUSED SWITCH																									
	VOL TAMPS																									
LOCATION	@ A	@ B	LTG	REC	MIS	CIR	BKR	A	B	BKR	CIR	MIS	REC	LTG	@ A	@ B	LOCATION									
(2) WALKWAY	400		9			1	20/			20/	2			4	400		TOT LOT	(4)								
		900				3	/2			/2	4			—		400	—									
(3) WALKWAY N.L.	700		7			5	20/			15/	6		1		180		SPA CONV. RECP									
		700				7	/2			20/	8		1			180	IRRIGATION CONTROLLER									
TIMER	180					9	20/			20/	10				—		SPARE									
"		—				11	20/			20/	12					—	"									
SPACE	—					13	—			—	14				—		SPACE									
		—				15	—			—	16					—										
	—					17	—			—	18				—											
		—				19	—			—	20					—										
	—					21	—			—	22				—											
		—				23	—			—	24					—										
						25					26															
						27					28															
						29					30															
						31					32															
						33					34															
						35					36															
						37					38															
						39					40															
						41					42															
	@A - 2180									@B - 2180																

TOTAL CONNECTED VA	4540
LCL @ 125% 4000	5000
TOTAL OTHER LOAD	540
PANEL LOAD	5540
FEEDER AMPS	23.1

(1) PROVIDE 1-4 CHANNL ELECTRONIC PROGRAMMABLE TIMER
(2) PROVIDE 1-20 A-4P LTG CONTACTOR PHOTOCELL H-O-A SWITCH FROM CHANNEL 1
(3) PROVIDE 1-20A-2P LTG CONTACTOR, PHOTOCELL H-O-A CONTROLLED FROM CHANNEL 2
(4) PROVIDE CHANNEL 20A-2P LTG. CONTACTOR H-O-A SWITCH CONTROL FROM CHANNEL 3.

NOV 18 1991

RECEIVED NOV. 1 1991 PARK & RECREATION DEPARTMENT

RWR PASCOE
ELECTRICAL ENGINEERS • LIGHTING CONSULTANTS
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BERGAMONT PARK
CITY OF RIVERSIDE
DEPARTMENT OF PARK AND RECREATION

SHEET DESCRIPTION: GENERAL NOTES, ELECTRICAL SYMBOL LIST, LIGHTING FIXTURE SCHEDULE, SINGLE LINE DIAGRAM, PANEL SCHEDULE, LIGHTING FIXTURE TYPES "A", "B" & "B1" DETAILS

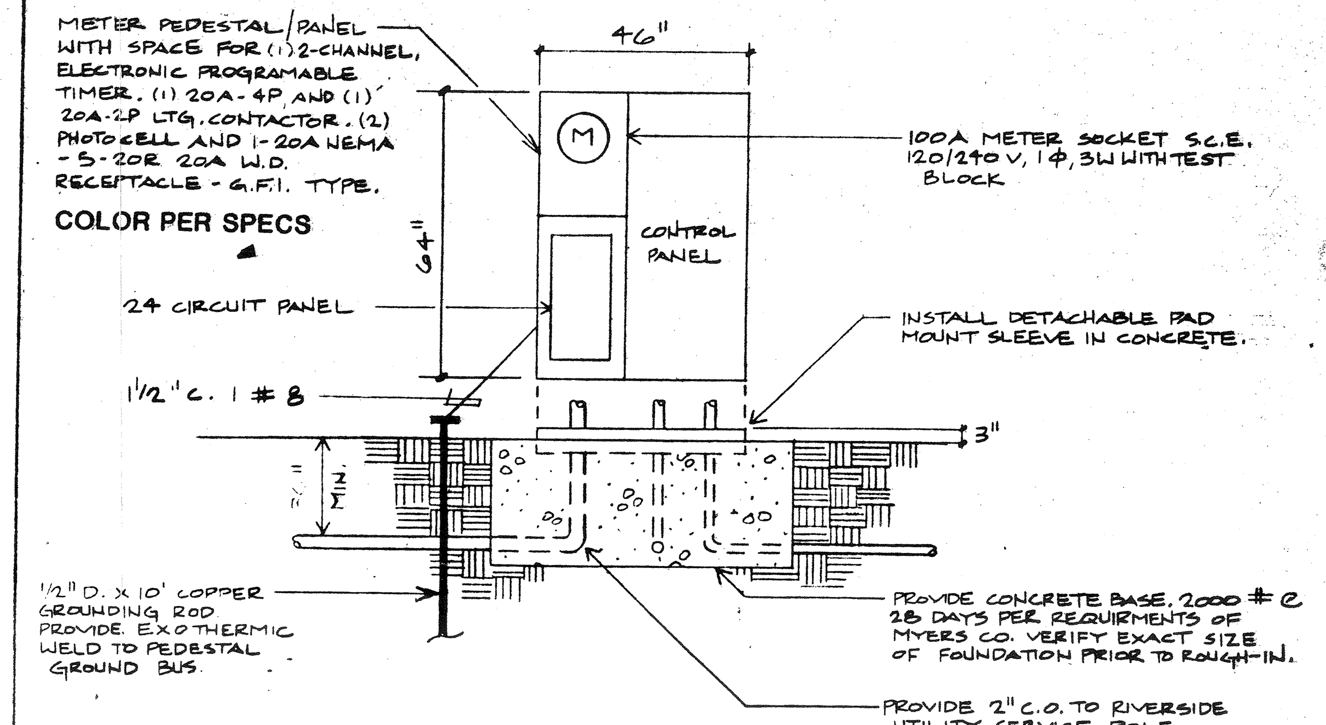
REGISTERED LANDSCAPE ARCHITECT TIMOTHY J. MALONEY, NO. 2170 Signature Date STATE OF CALIFORNIA

DATE: 11-18-91
JOB NO.: 910309
DRAWN: C.M.C.
CHECKED: J.P.A. SR.
REVISIONS:

SCALE: AS NOTED

E-2

11 OF 11

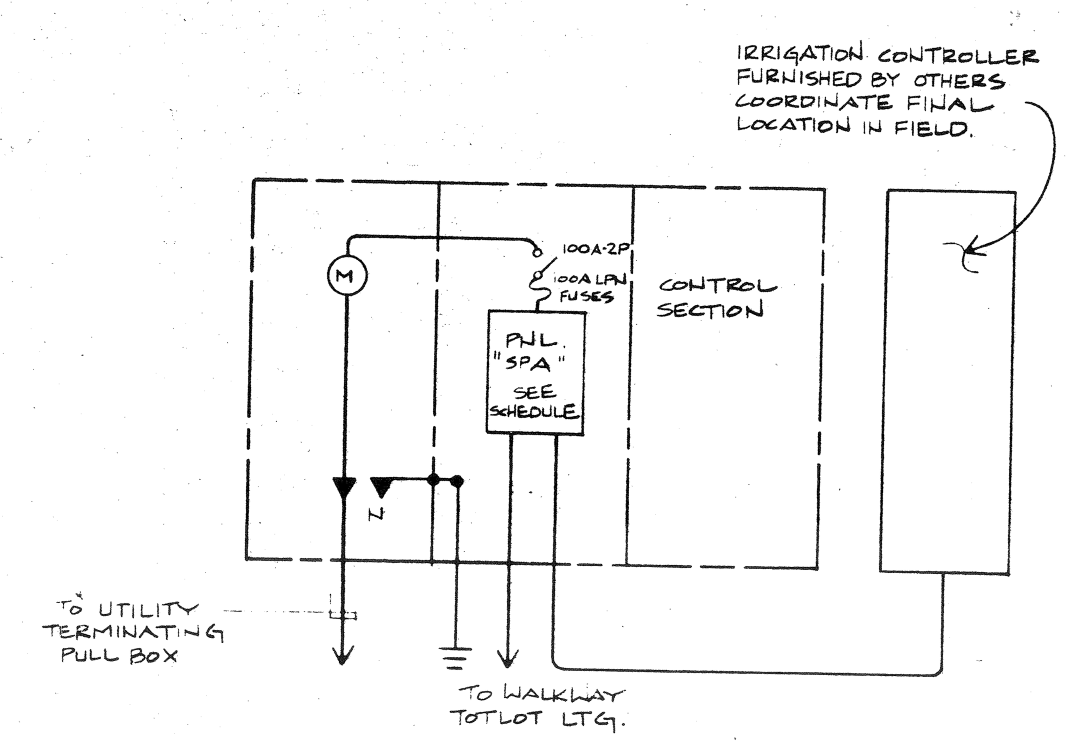


LOAD SUMMARY
WALKWAY LTG 4.0 KW
TOT LOT LTG 1.0 KW
IRRIGATION CONTROLLER AND RECPT .54
TOTAL 5.54 KW
OR 23.1 @ 120/240 V, 1Φ, 3W

NOTE: LTG. LOAD INCLUDES L.C.L.

SERVICE PEDESTAL

SCALE N.T.S. (1)



SINGLE LINE DIAGRAM

SCALE N.T.S. (2)

ELECTRICAL SYMBOL LIST

(symbol)	POLE MOUNTED LIGHT FIXTURE. - TYPE "B" FIXTURE.
(symbol)	POST MOUNTED LIGHT FIXTURE. - TYPE "A" FIXTURE.
A / 200	"A" INDICATES ELECTRICAL FIXTURE TYPE. "200" INDICATES TOTAL FIXTURE WATTAGE.
E.G.	EQUIPMENT GROUND.
NL	NIGHT LIGHT.
G.F.I.	GROUND FAULT INTERRUPTER.
(symbol)	DUPLEX CONVENIENCE OUTLET, +12" OR AS NOTED.
(symbol)	ELECTRICAL SERVICE PEDESTAL.
(symbol)	GROUND.
(symbol)	CONDUIT RUN CONCEALED BELOW GRADE, 3/4"C. MINIMUM, NO. OF CONDUCTORS AS NOTED.
(symbol)	CONDUIT STUB-OUT, CAP AND MARK TERMINATE IN A CONCRETE PULL-BOX.
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(1)	PLAN NOTE CALL OUT.
P	UNDERGROUND PULL BOX WITH TAMPER RESISTANT BOLT DOWN COVER.

t. i. maloney, inc.
landscape architecture • planning
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(714) 369-0700 fax (714) 369-4039

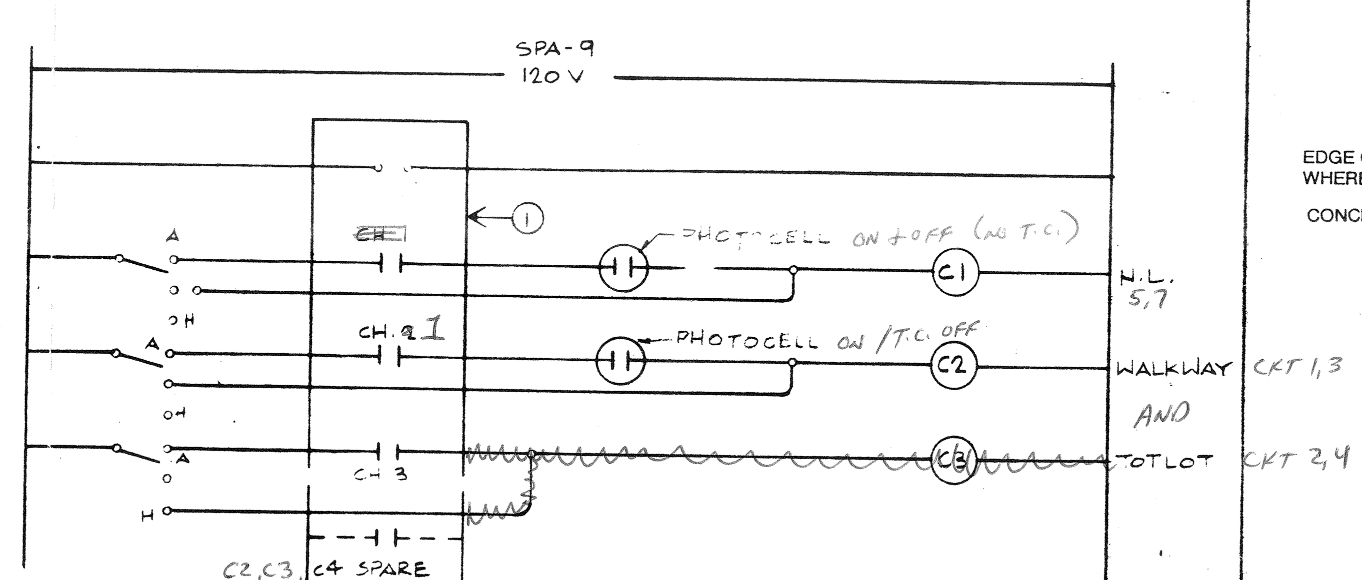
BERGAMONT PARK
CITY OF RIVERSIDE
DEPARTMENT OF PARK AND RECREATION

SHEET DESCRIPTION:
GENERAL NOTES, ELECTRICAL SYMBOL LIST, LIGHTING FIXTURE SCHEDULE, SINGLE LINE DIAGRAM, PANEL SCHEDULE, LIGHTING FIXTURE TYPES "A","B",& "B1" DETAILS

LIGHTING FIXTURE SCHEDULE

SYM (TYPE / WATTS)	DESCRIPTION	LAMPS NO.	LAMPS WATTS	LAMPS TYPE	VOLTS	MANUFACTURER	CATALOG NO.	MOUNTING
A / 200	ROUND ONE PIECE CAST ALUMINUM FINNED BODY WITH SPUN ALUMINUM TOP, PRISMATIC POLY-CARBONATE LENS WITH AN ANSI TYPE V DISTRIBUTION, HPF BALLAST.	1	150	HPS	240 *	DELTA	SEE SPECIFICATION	POLE TOP DETAIL
B / 400	RECTANGULAR TYPE CUT-OFF SITE LIGHT OF ONE PIECE CAST ALUMINUM BODY AND DOOR GASKETED AND WITH TEMPERED IMPACT RESISTANT CLEAR GLASS LENS, REMOVABLE BALLAST ASSEMBLY, HPF BALLAST, WITH MOUNTING BRACKET AND VANDAL SHIELD.	2	150	HPS	240 *	MCGRAW EDISON	SEE SPECIFICATION	POLE TOP

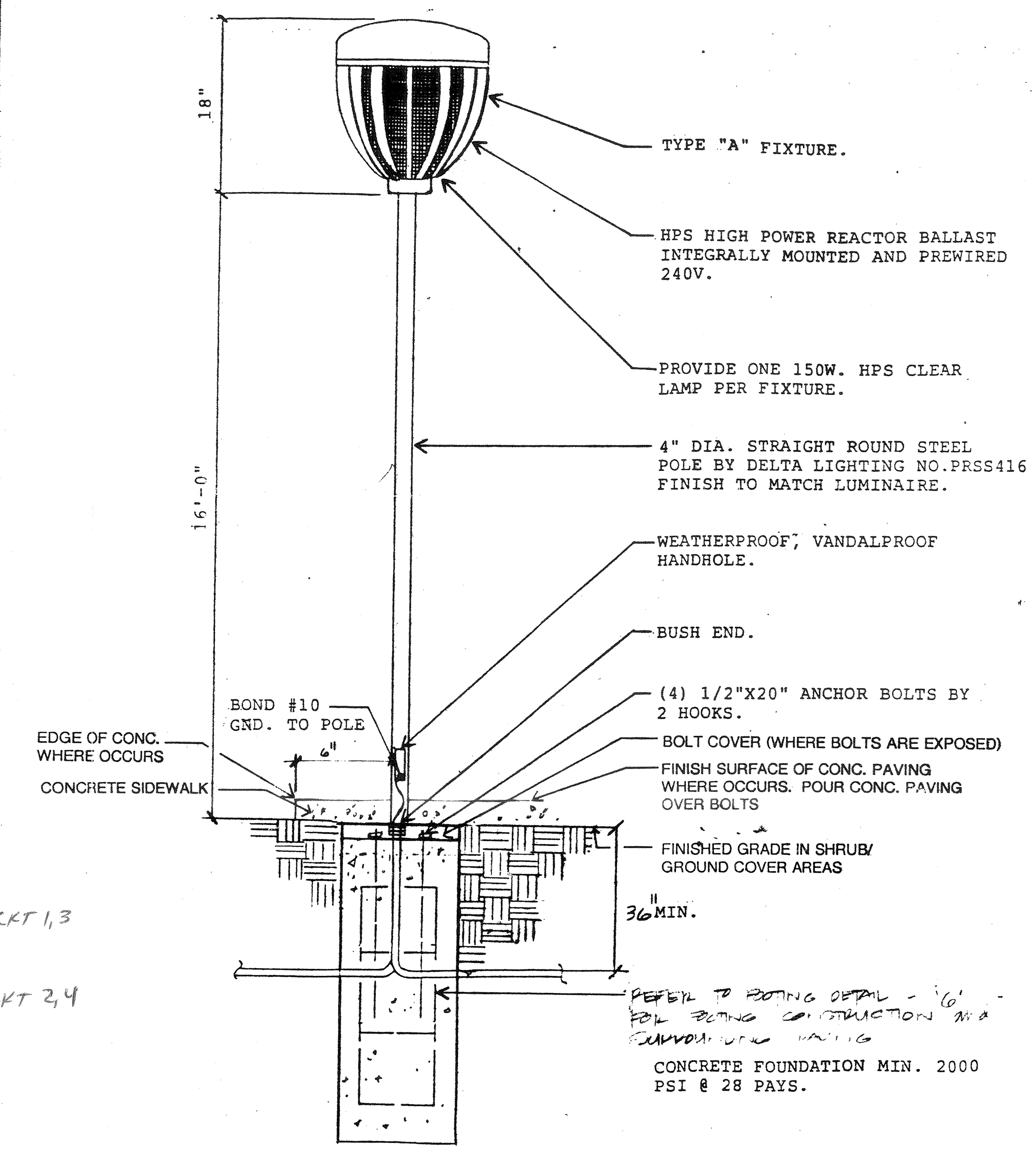
* PROVIDE LO-TEMP BALLAST.
PROVIDE 1 SPARE MULTITOP BALLAST FOR EACH TYPE OF FIXTURE.
PROVIDE (3) SPARE LAMPS OF EACH TYPE OF 150 WATT H.P.S.



C1 = PHOTOCELL "ON" AND "OFF"
C21: PHOTOCELL "ON" TC "OFF" 11:00PM
~~C3 = "ON" AND "OFF"~~
(1) 4 CHANNEL PROGAMMABLE TIME SWITCH

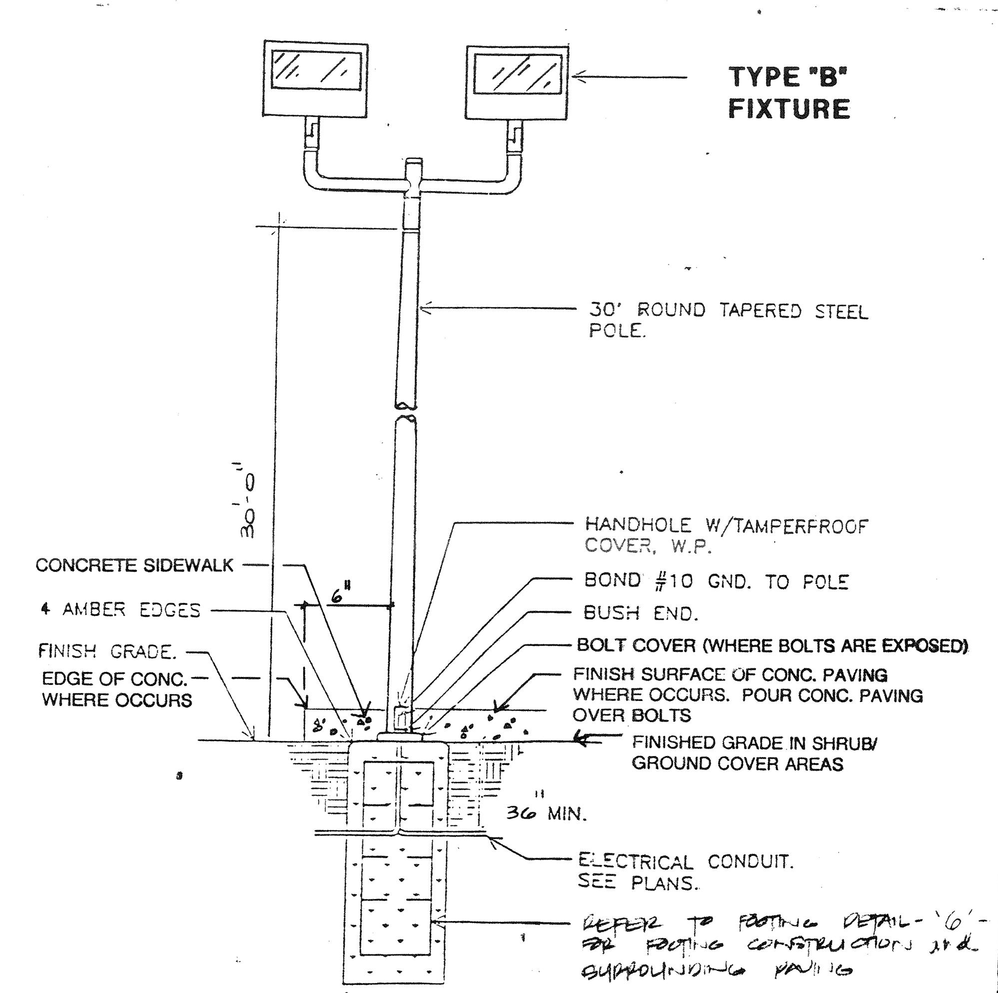
CONTROL DIAGRAM

SCALE N.T.S. (5)



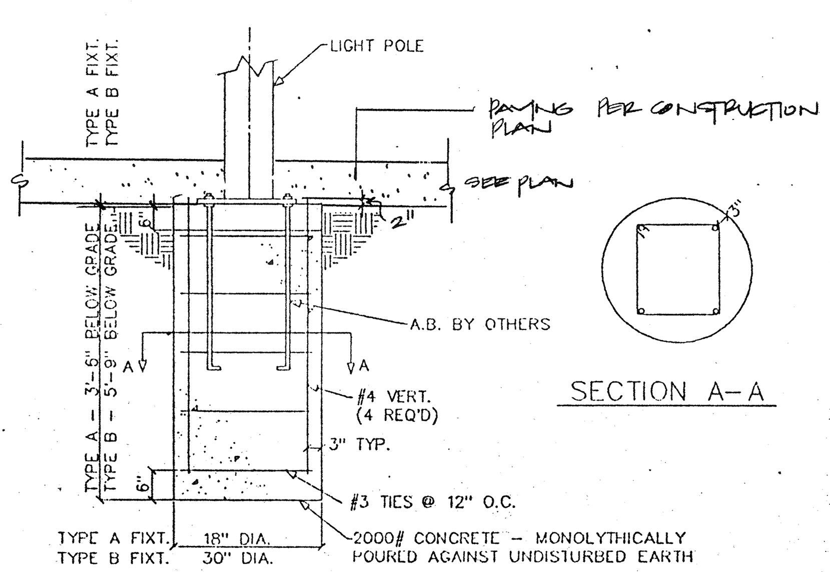
TYPE "A" FIXTURE DETAIL

SCALE N.T.S. (3)



TYPE "B" FIXTURE DETAIL

SCALE N.T.S. (4)



CONCRETE FOOTING

SCALE N.T.S. (6)

A.M. Paul Electric Co.
Fred Paul
VP OPERATIONS
6/1/93

PANEL SPA (1) — PANEL LOCATION: SERVICE PEDESTAL — MAIN (AMP) 100 A-2P FUSED SWITCH — BUS RATING 100 AMPS — V-1 Φ-3 W — MOUNTING: FLUSH

LOCATION	VOLTAMPS Φ A	VOLTAMPS Φ B	LTG	REC	MIS	CIR	BKR	BKR	CIR	MIS	REC	LTG	VOLTAMPS Φ A	VOLTAMPS Φ B	LOCATION
(2) WALKWAY	900		9			1	20/2	20/2	2			4	400		TOT LOT (4)
		900				3			4			—		400	—
(3) WALKWAY N.L.	700		7			5	20/2	20/1	6		1		180		SPA CONV. RECP.
—		700				7		20/1	8		1			180	IRRIGATION CONTROLLER
TIMER	180					9	20/1	20/1	10				—		SPARE
"		—				11	20/1	20/1	12					—	"
SPACE	—					13	—	—	14				—		SPACE
		—				15	—	—	16					—	
	—					17	—	—	18				—		
		—				19	—	—	20					—	
	—					21	—	—	22				—		
		—				23	—	—	24					—	
						25			26						
						27			28						
						29			30						
						31			32						
						33			34						
						35			36						
						37			38						
						39			40						
						41			42						

ΦA - 2180 ΦB - 2180

TOTAL CONNECTED VA	4540
LCL @ 125% 4000	5000
TOTAL OTHER LOAD	540
PANEL LOAD	5540
FEEDER AMPS	23.1

(1) PROVIDE 1-4 CHANNL ELECTRONIC PROGRAMMABLE TIMER.
(2) PROVIDE 1-20 A-4P LTG CONTACTOR PHOTOCELL H-O-A SWITCH FROM CHANNEL 1
(3) PROVIDE 1-20A-2P LTG CONTACTOR, PHOTOCELL, H-O-A CONTROLLED FROM CHANNEL 2
(4) PROVIDE CHANNEL 20A-2P LTG. CONTACTOR H-O-A SWITCH CONTROL FROM CHANNEL 3.

SEP 04 1992
BID SET

Jack [signature] 9.30.94

REGISTERED LANDSCAPE ARCHITECT — TIMOTHY I. MALONEY NO. 2110 — Signature — 9-2-92 Date — STATE OF CALIFORNIA

DATE: 2/21/92
JOB NO: 910309
DRAWN: C.M.C.
CHECKED: J.P.A. SR.
REVISIONS:
AS-BUILTS 6/1/93

RWR PASCOE
ELECTRICAL ENGINEERS • LIGHTING CONSULTANTS
One Venture, Suite 220 Irvine, California 92718 (714) 753-4777 Fax: 753-1599
22690 Cactus Ave., #140 Moreno Valley, CA 92553 (714) 653-9295

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SCALE: AS NOTED
E-2