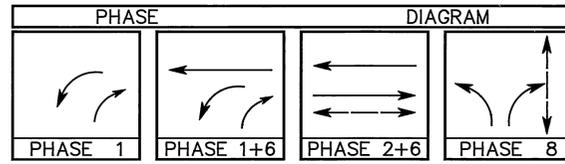


NOTES

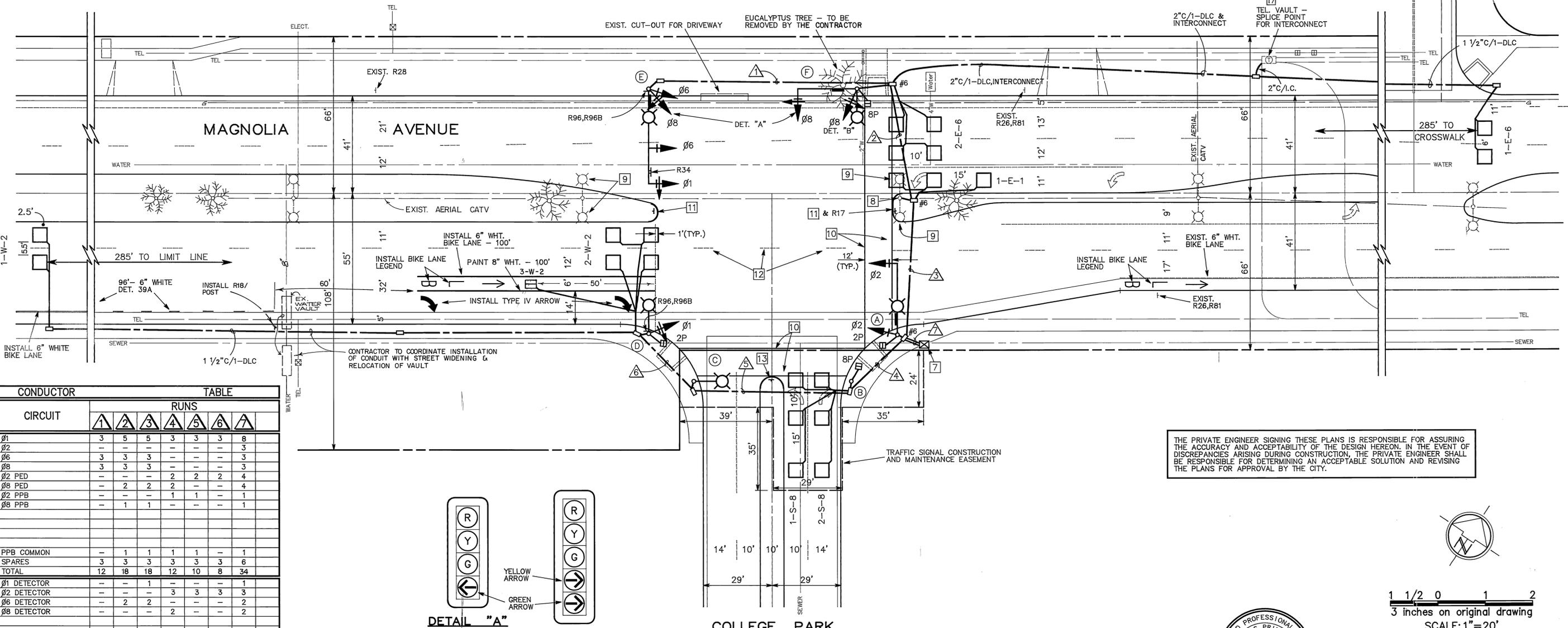
- ALL WORK AND MATERIAL SHALL CONFORM TO THE STATE STANDARD PLANS AND SPECIFICATIONS DATED JAN. 1988 AND THE SPECIAL PROVISIONS FOR THIS PROJECT.
- PULLBOXES SHALL BE NO. 5 UNLESS NOTED OTHERWISE.
- CONDUIT SHALL BE 2-INCH UNLESS NOTED OTHERWISE.
- THE ENGINEER SHALL APPROVE, IN THE FIELD, POLE AND DETECTOR LOCATIONS PRIOR TO INSTALLATION. LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
- ALL PAVEMENT DELINEATION REMOVALS AND INSTALLATIONS SHALL BE COMPLETED BY THE CONTRACTOR AT LEAST ONE DAY PRIOR TO SIGNAL TURN-ON.
- CONTRACT TRAFFIC SIGNAL MAINTENANCE 48 HRS. IN ADVANCE TO SCHEDULE INSPECTION OF WORK TO BE PERFORMED. TEL (714) 351-6096
- INSTALL 8 PHASE MULTISONICS 820A SYSTEM CONTROLLER UNIT IN A FULLY WIRED 8 PHASE TYPE 'P' CABINET.
- INSTALL 120V I.S.N.S., 120V SIGNAL AND 240V STREET LIGHTING SERVICES, PP#8400J PER CITY STD. No.612. CONTACT BILL WHITTEN AT PUBLIC WORKS TEL. (714) 782-5381.
- REMOVE AND SALVAGE LUMINAIRES, BY CITY FORCES.
- INSTALL 12-inch WHITE CROSSWALKS.
- INSTALL R7/POST. PAINT MEDIAN NOSE YELLOW
- REMOVE CONFLICTING STRIPING WITHIN INTERSECTION AREA BY SANDBLASTING.
- SEE PLAN R-3236 FOR STREET IMPROVEMENTS AND ADDITIONAL PAVEMENT DELINEATION.
- THE CONTRACTOR SHALL FURNISH ALL CIRCUIT BREAKERS TYPE AS SPECIFIED: A) SQUARE D CABINET LOAD CENTER-SQDQ6-12RB, B) 30A BREAKER (LUM.) D.P.#SQD QD, C) 40A BREAKER (SIG.) S.P.#SQD QD, D) 15A BREAKER I.S.N.S. SP#SQD QD
- A STREET OPENING PERMIT OBTAINABLE AT THE CITY OF RIVERSIDE PUBLIC WORKS DEPT. IS REQUIRED FOR THIS WORK.
- A SERVICE CONNECTION FEE OF \$350.00 PAYABLE TO THE CITY OF RIVERSIDE PUBLIC UTILITY DEPT. IS REQUIRED.
- CONTACT MIKE LESTER AT PACIFIC TEL. CO., (714)359-2430 FOR REQUIREMENTS FOR INTERCONNECT BEFORE ENTERING VAULT.



POLE										SCHEDULE		REMARKS	
No.	TYPE	HEIGHT	SIG.M.A.	LUM.M.A.	LUMINAIRE HPSV	I.S.N.S. LEGEND	SIGNAL MOUNTING VEHICLE		PED PHASE	PUSH BTN ARROW			
A	19-2-80	30'	30'	12'	250 W	College Park	-	MAS	SV-1-T	SP-1-T	8	←	
B	1-A	7'	-	-	-	-	-	-	-	TP-1-T	2	→	
C	15	30'	-	12'	200 W	-	-	-	-	-	2	←	
D	15	30'	-	12'	250 W	-	-	-	SV-1-T	SP-1-T	-	-	
E	26-4-80	30'	40'	12'	250 W	College Park	MAS	MAS	SV-2-TB	SP-1-T	-	-	
F	19-2-80	30'	25'	12'	250 W	Magnolia Ave 8400	-	MAS	SV-1-T	SP-1-T	8	←	ROTATE LUMINAIRE M.A. 90° SEE PLAN

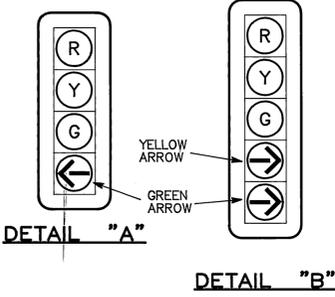
- ALL SIGNAL INDICATIONS SHALL BE 12-INCH
- 1-A POLE SHALL BE ALUMINUM

WAYNE COURT



THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.

CONDUCTOR		TABLE						
AWG	CIRCUIT	1	2	3	4	5	6	7
# 14	Ø1	3	5	5	3	3	3	8
	Ø2	-	-	-	-	-	-	3
	Ø6	3	3	3	-	-	-	3
	Ø8	3	3	3	-	-	-	3
	Ø2 PED	-	-	-	2	2	2	4
	Ø8 PED	-	2	2	2	-	-	4
# 14	Ø2 PPB	-	-	-	1	1	-	1
	Ø8 PPB	-	1	1	-	-	-	1
PPB COMMON		-	1	1	1	1	-	1
SPARES		3	3	3	3	3	3	6
TOTAL		12	18	18	12	10	8	34
DLC	Ø1 DETECTOR	-	-	1	-	-	-	1
	Ø2 DETECTOR	-	-	-	3	3	3	3
	Ø6 DETECTOR	-	2	2	-	-	-	2
	Ø8 DETECTOR	-	-	-	2	-	-	2
TOTAL CABLES		-	2	3	5	3	3	8
#12	I.S.N.S.	2	2	2	-	-	-	-
#10	SIGNAL COMMON	1	1	1	1	1	1	2
#8	LUMINAIRE	2	2	2	2	2	2	-
#6	SERVICE	-	-	2	-	-	-	2
19/2	INTERCONNECT	-	1	1	-	-	-	1
CONDUIT SIZE		2"	3"	3"	2 1/2"	2 1/2"	2"	2-3"



1 1/2 0 1 2
3 inches on original drawing
SCALE: 1"=20'



#910920
WESTON PRINGLE & ASSOCIATES
TRAFFIC AND TRANSPORTATION ENGINEERING
680 LANGSDORF DR. SUITE 222 FULLERTON, CA. 92631 (714) 871-2931
WESTON S. PRINGLE, JR. RCE 16828 DATE 9-12-91

SOUTHERN CALIFORNIA GAS Co. APPROVED BY: <i>S.L. Nichols</i> 9/13/91 DATE: 9-13-91	CITY OF RIVERSIDE WATER SYSTEM APPROVED BY: <i>Richard L. Duda</i> 10-7-91 DATE: 10-7-91	CENCOM CABLE TELEVISION APPROVED BY: <i>Allen B. G. G...</i> 7-13-91 DATE: 7-13-91	CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT APPROVED BY: <i>Don Bel...</i> DATE: 10/17/91	TRAFFIC SIGNAL INSTALLATION PLAN MAGNOLIA AVENUE AND COLLEGE PARK HORIZ. SCALE:	ACCOUNT No. X-357 SHEET 1 OF 1
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CONDUCTOR SCHEDULE

OR	POLE OR CIRCUIT	CONDUIT SIZE AND RUN NUMBER					
		2 1/2"	3"	3"	2-3"	3"	2 1/2"
12 COND.	POLE - A	-	1	1	1	1	-
	B	1	1	1	1	1	-
	C	-	-	-	-	-	-
	D	-	-	-	1	1	1
	E	-	-	-	1	1	1
	F	-	-	-	1	1	1
3 COND.	TOTAL	1	2	3	6	2	1
#12	IISNS	2	2	2	-	2	2
#8	LUMINAIRES	2	2	2	-	2	2
#6	SIGNAL SERVICE	-	-	-	2	-	-
DLC (TYPE 'B')	Ø1	-	-	-	1	1	1
	Ø2	-	-	-	2	-	-
	Ø6	-	-	-	2	2	2
	Ø8	-	2	2	2	-	-
	TOTAL	-	2	2	7	3	3
	OPTICOM CABLE	1	1	1	3	2	1
	INTERCONNECT	-	-	-	1	1	1

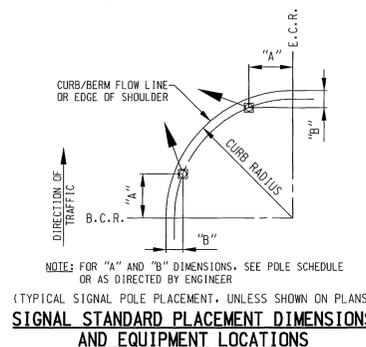
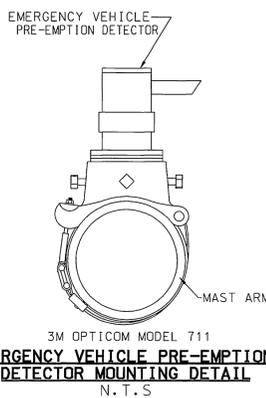
INTERCONNECT CABLE SHALL BE 6 PAIR 19G (SEE SPECIAL PROVISIONS)

LEGEND (THIS SHEET):

- P** - PROTECT IN PLACE.
- RS** - REMOVE AND SALVAGE TO CITY OF RIVERSIDE.
- PM** - TYPE OF TRAFFIC STRIPING MATERIAL
T = THERMOPLASTIC, P = PAINT (2 COATS)
INSTALL PAVEMENT MARKING (AS SHOWN) PER PAGES A24A THRU A24E OF THE STANDARD PLANS, CALTRANS TYPE NUMBER OF PAVEMENT MARKING. W = WHITE
- SB** - REMOVE, BY WET SANDBLASTING, ALL CONFLICTING STRIPING AND PAVEMENT LEGENDS.
- XX** - SIGN TYPE
- IS** - MOUNT SIGN AS INDICATED
- XX** - SP = MOUNT ON POLE OR POST.
MA = MOUNT ON MAST-ARM.

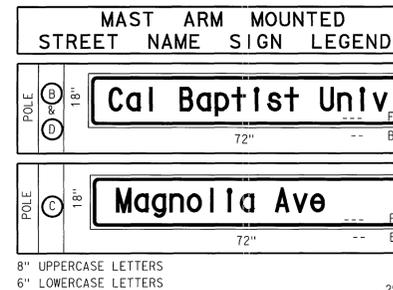
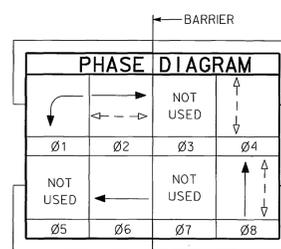
GENERAL NOTES CONTINUATION:

9. - THE CONTRACTOR IS REQUIRED TO TAKE ALL DUE PRECAUTIONARY MEASURES FOR THE PROTECTION OF ALL EXISTING IMPROVEMENTS AND UTILITIES, WHETHER OR NOT SHOWN ON THESE PLANS. ANY RESULTING DAMAGE DURING THE PERFORMANCE OF THE WORK SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE GOVERNING AGENCY AT THE CONTRACTOR'S EXPENSE.
10. - CONTRACTOR SHALL NOTIFY CITY OF RIVERSIDE AT LEAST 48 HOURS IN ADVANCE OF START OF ANY WORK AT (909) 351-6096 TRAFFIC ENGINEERING LINE.
11. - ALL REQUIRED MATERIAL AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR.

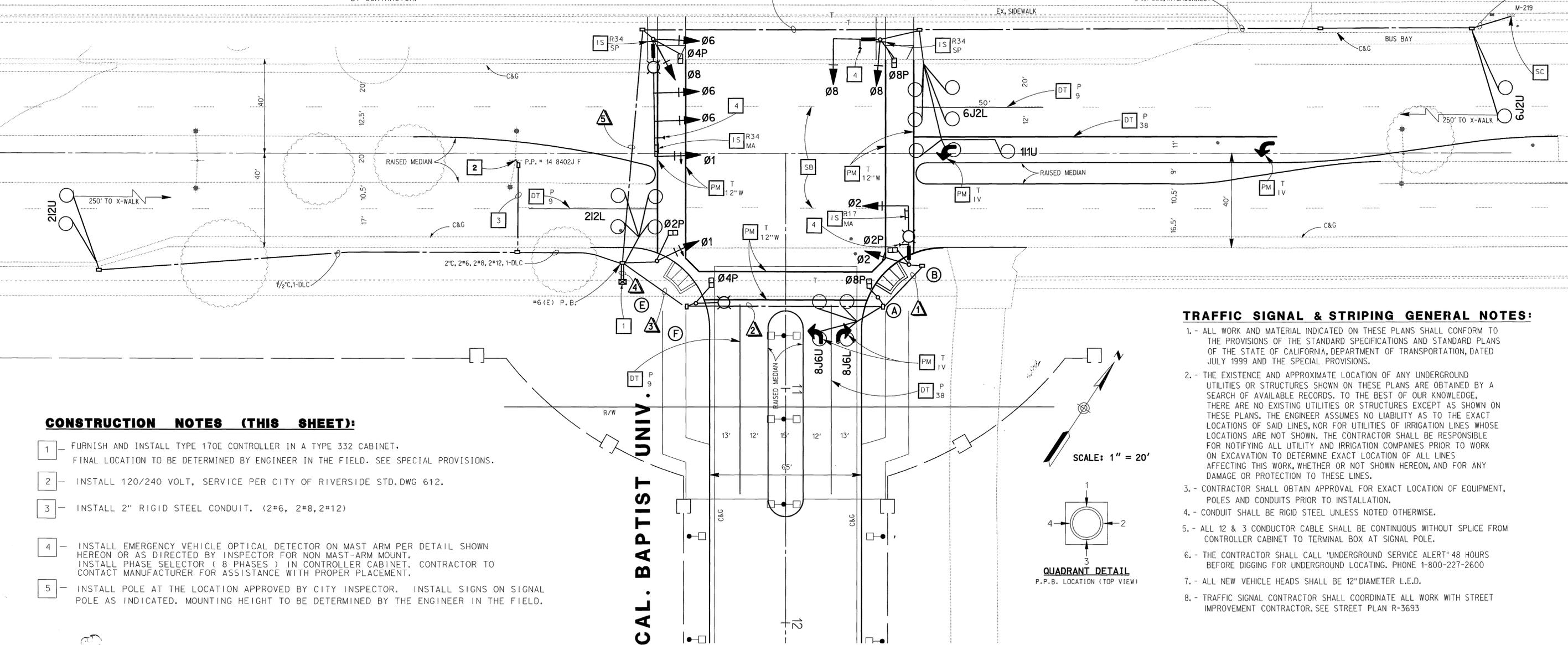


No.	STANDARD TYPE	HEIGHT	SIG. M.A.	LUM. M.A.	LUMINAIRE HPS	IISNS LEGEND (α)	SIGNAL MOUNTING		PPB PHASE	POLE LOC.		REMARKS	
							VEHICLE	PED		A	B		
(A)	1-A	10'	-	-	-	-	-	TP-1-T	2	1	13'	3.5'	-
(B)	19-4-129	30'	25'	12'	250W	Cal Baptist Univ	MAS	SV-1-T	8	4	14'	3.5'	-
(C)	16-2-129	17'	20'	-	-	Magnolia Ave	MAS	SV-1-T	8	2	**	8.5'	5
(D)	29-5-129	30'	50'	12'	250W	Cal Baptist Univ	3MAS	SV-2-TD	4	2	**	8.5'	5
(E)	1-A	10'	-	-	-	-	-	TV-1-T	4	2	14'	3.5'	-
(F)	TYPE-15	30'	-	12'	250W	-	-	SP-1-T	2	1	12'	3.5'	-

** POLE LOCATION TO BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER. F = DISTANCE BETWEEN FAR END OF MAST ARM AND THE SECOND SIGNAL HEAD.



MAGNOLIA AVENUE



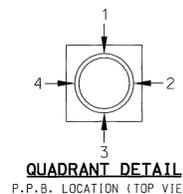
CONSTRUCTION NOTES (THIS SHEET):

- 1 - FURNISH AND INSTALL TYPE 170E CONTROLLER IN A TYPE 332 CABINET. FINAL LOCATION TO BE DETERMINED BY ENGINEER IN THE FIELD. SEE SPECIAL PROVISIONS.
- 2 - INSTALL 120/240 VOLT, SERVICE PER CITY OF RIVERSIDE STD.DWG 612.
- 3 - INSTALL 2" RIGID STEEL CONDUIT. (2#6, 2#8, 2#12)
- 4 - INSTALL EMERGENCY VEHICLE OPTICAL DETECTOR ON MAST ARM PER DETAIL SHOWN HEREON OR AS DIRECTED BY INSPECTOR FOR NON MAST-ARM MOUNT. INSTALL PHASE SELECTOR (8 PHASES) IN CONTROLLER CABINET. CONTRACTOR TO CONTACT MANUFACTURER FOR ASSISTANCE WITH PROPER PLACEMENT.
- 5 - INSTALL POLE AT THE LOCATION APPROVED BY CITY INSPECTOR. INSTALL SIGNS ON SIGNAL POLE AS INDICATED. MOUNTING HEIGHT TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

TRAFFIC SIGNAL & STRIPING GENERAL NOTES:

1. - ALL WORK AND MATERIAL INDICATED ON THESE PLANS SHALL CONFORM TO THE PROVISIONS OF THE STANDARD SPECIFICATIONS AND STANDARD PLANS OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, DATED JULY 1999 AND THE SPECIAL PROVISIONS.
2. - THE EXISTENCE AND APPROXIMATE LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES OR STRUCTURES EXCEPT AS SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATIONS OF SAID LINES, NOR FOR UTILITIES OF IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK ON EXCAVATION TO DETERMINE EXACT LOCATION OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON, AND FOR ANY DAMAGE OR PROTECTION TO THESE LINES.
3. - CONTRACTOR SHALL OBTAIN APPROVAL FOR EXACT LOCATION OF EQUIPMENT, POLES AND CONDUITS PRIOR TO INSTALLATION.
4. - CONDUIT SHALL BE RIGID STEEL UNLESS NOTED OTHERWISE.
5. - ALL 12 & 3 CONDUCTOR CABLE SHALL BE CONTINUOUS WITHOUT SPLICE FROM CONTROLLER CABINET TO TERMINAL BOX AT SIGNAL POLE.
6. - THE CONTRACTOR SHALL CALL "UNDERGROUND SERVICE ALERT" 48 HOURS BEFORE DIGGING FOR UNDERGROUND LOCATING. PHONE 1-800-227-2600
7. - ALL NEW VEHICLE HEADS SHALL BE 12" DIAMETER L.E.D.
8. - TRAFFIC SIGNAL CONTRACTOR SHALL COORDINATE ALL WORK WITH STREET IMPROVEMENT CONTRACTOR. SEE STREET PLAN R-3693

SCALE: 1" = 20'



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 s:\r\c\m\p\ri\ck\standards\l\of\8\0\rr\Pen\ca\comp.pbn
 08-MAY-2003 08:23

DIG ALERT
 CALL BEFORE YOU DIG!
 1-800-227-2600
 UNDERGROUND SERVICE ALERT
 Call at least 2 working days prior to excavating.

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT.
 INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

PROFESSIONAL ENGINEER
 R. HENRY MOHLE
 No. 10692
 Exp. 12-31-04
 CIVIL
 STATE OF CALIFORNIA
 TRAFFIC No. 0890
 DATE: 12/22/2003

PLANS PREPARED UNDER SUPERVISION OF
R. Henry Mohle
 Date: 12/22/2003 P.C.E. 10692 (EXP. 12-31-04)
 BENCH MARK:

1-14077
RICK ENGINEERING COMPANY
 San Diego Riverside Orange Phoenix Tucson
 ONE CITY BLVD. WEST SUITE 1286 ORANGE, CA 92668-7531 (714) 999-1440 FAX: (714) 999-1441 www.rickeng.com

MARK REVISIONS APPR. DATE
 DESIGNED BY IS DRAWN BY IS/AN CHECKED BY RHM

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: [Signature] BY: [Signature] DATE: 6/3/03
 PRINCIPAL ENGINEER
 TRAFFIC DIVISION
 PUBLIC UTILITIES

CITY OF RIVERSIDE
TRAFFIC SIGNAL PLAN
MAGNOLIA AVENUE AND
CAL. BAPTIST UNIV. ENTRANCE

JOB NO. -----
X-357
 SHEET 1 OF 1