

VICINITY MAP
N.T.S.

LOCATION MAP N.T.S.

W.O. NO. _____

SHEET 9 OF 11

TR.IMP. 12724

DRAWING NUMBER VALLEY VISTA WY
EL
DRAWING NUMBER E 360.2
DRAWING NUMBER
DRAWING NUMBER
DRAWING NUMBER

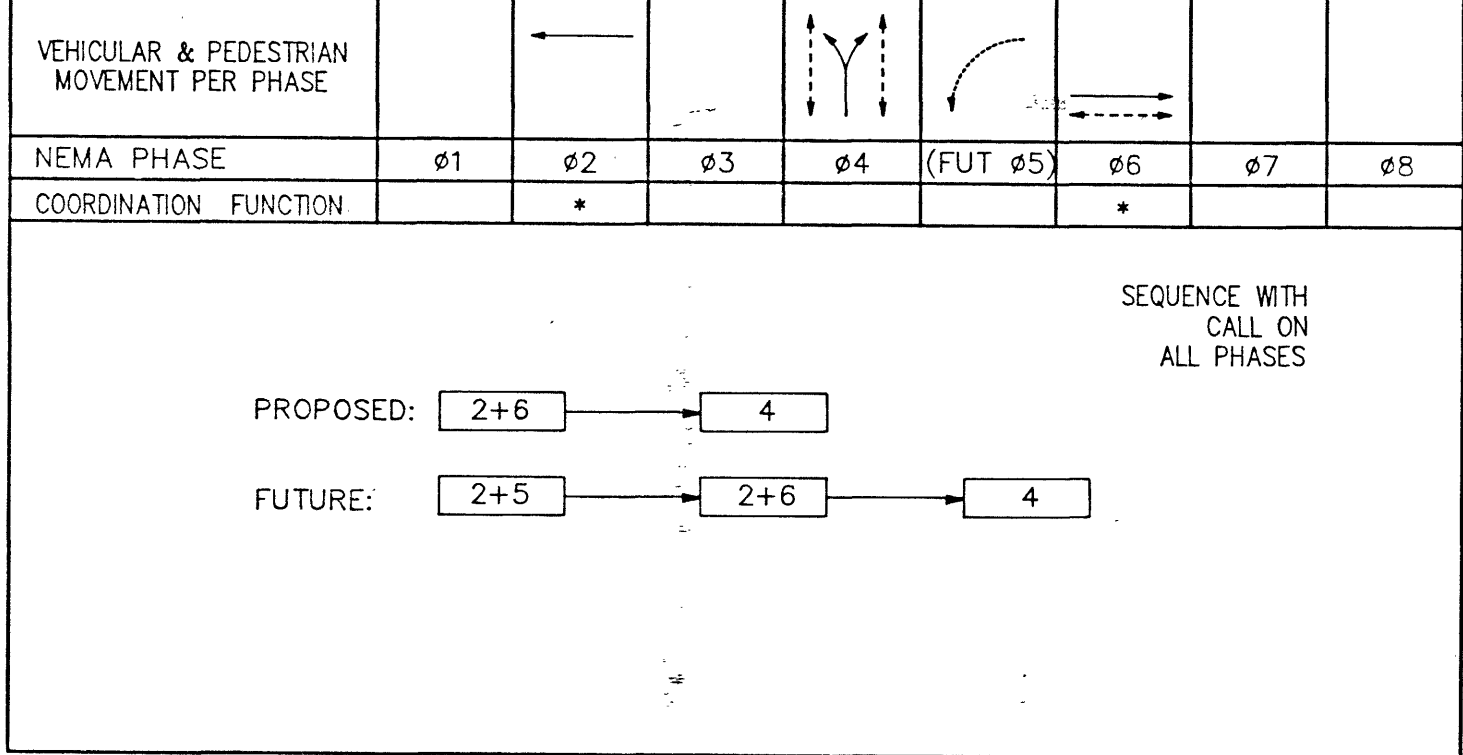
CONSTRUCTION NOTES:

- 1 CONSTRUCT TYPE P CABINET FOUNDATION.
- 2 FURNISH & INSTALL TRAFFIC CONTROLLER IN ALUMINUM TYPE P CABINET.
- 3 FURNISH & INSTALL TYPE III SERVICE & FOUNDATION.
- 4 FURNISH & INSTALL 2" CONDUIT AND 6-PAIR #19 TWISTED, SHIELDED INTERCONNECT TELEPHONE CABLE FROM CONTROLLER CABINET TO PACIFIC BELL TELEPHONE TERMINAL (APPROXIMATELY 70'±)
- 5 INSTALL PIPE TENON WITH GALVANIZED REMOVABLE CAP AND PULL ROPE.
- 6 MOUNT TRAFFIC SIGNAL HEAD AT 17' HIGH.
- 7 PAINT 12"-SOLID WHITE.
- 8 PAINT 100' 6"-SOLID WHITE.
- 9 STENCIL ARROWS.
- 10 CONSTRUCT SIDEWALK ACCESS RAMPS PER O.C. STD. PLAN NO. 111.
- 11 SANDBLAST & REMOVE CONFLICTING STRIPINGS TO LIMIT LINE.
- 12 REMOVE "STOP" LEGENDS (2) OFF OF PAVEMENT.
- 13 REMOVE R1 "STOP" SIGN.
- 14 INSTALL R13 "NO TURN ON RED" SIGN.
- 15 RUN CONDUIT INTO EXISTING PULLBOX.
- 16 FURNISH & INSTALL TELEPHONE SPICE BOX & FOUNDATION

CONDUCTOR		SCHEDULE			
AWG.	CIRCUIT	1	2	3	4
# 14	Ø2	3	3	3	6
	Ø4	3	3	3	6
	Ø5 (FUTURE)	3	3	3	3
	Ø6	3	3	6	6
	Ø4 PED.	2	2	4	4
	Ø6 PED.	2	2	4	4
	Ø4 PPB	1	1	2	2
	Ø6 PPB	1	2	2	
	PPB COMMON	1	1	1	2
	ISNS	2	2	4	4
# 10	SPARES	3	3	3	6
	TOTAL	15	18	24	40
# 10	SIGNAL & ISNS COMMON	1	1	1	2
	LUMINAIRE	2	2	2	
DLC	Ø2	4		4	4
	Ø4			2	2
TYPE 'B'	Ø5 (FUTURE)	1		1	1
	Ø6		4	4	4
# 6	TOTAL	5	4	11	11
	SERVICE		3	3	
CONDUIT SIZE		3"	3"	3"	3"

* = EXISTING

PHASE DIAGRAM

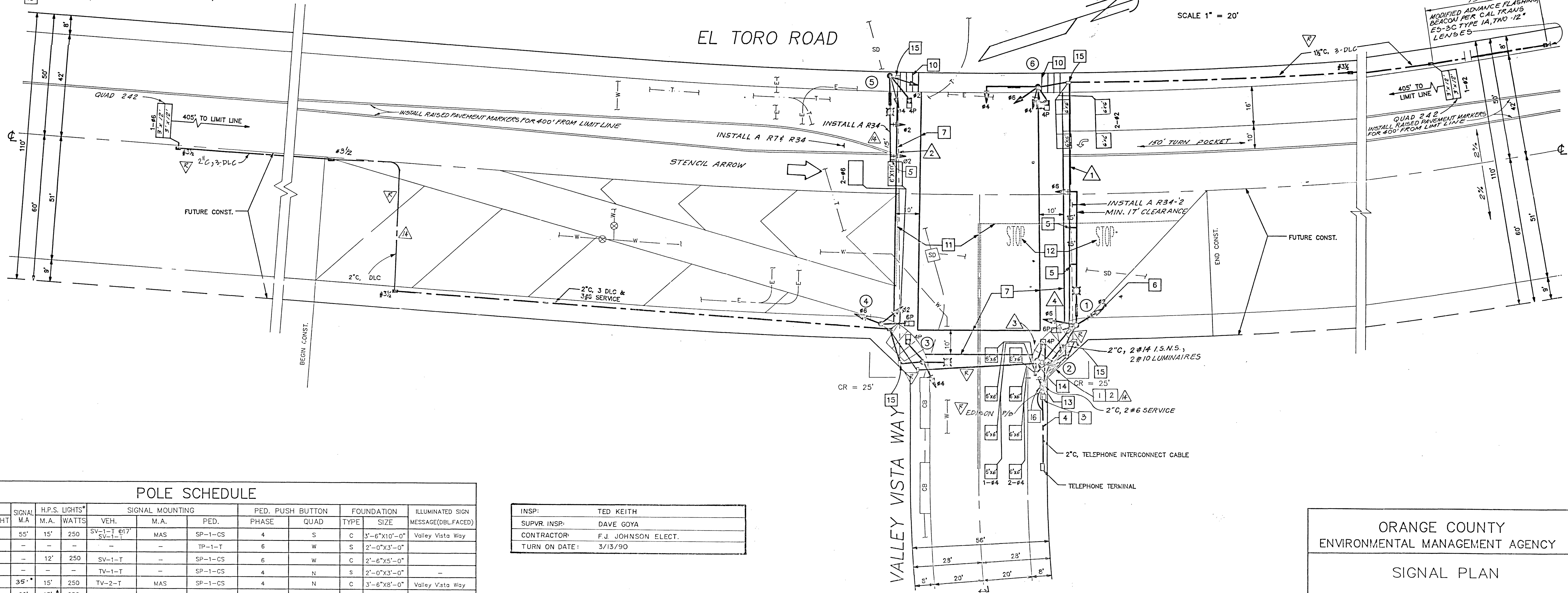


DETECTOR SCHEDULE

1	1 (1)	1-Ø6
	2 (2)	2-Ø6
2	1 (3)	3-Ø6 (F)
	2	4-Ø6 (F)
3	1	1-Ø5 (F)
	2 (4)	1-Ø2
4	1 (5)	2-Ø2
	2 (6)	3-Ø2 (F)
5	1	4-Ø2 (F)
	2	SPARE
6	1	1-Ø4
	2	2-Ø4

DETECTOR LOOP LOCATIONS SHALL BE APPROVED BY ENGINEER IN FIELD PRIOR TO INSTALLATION. ALL DETECTOR UNITS SHALL BE RACK MOUNTED, DUAL CHANNEL, DUAL OUTPUT PER CHANNEL WITH INTEGRAL COLORGATED EXTENSION AND DELAY CAPABILITY. OUTPUT "A" SHALL BE PRETIMED. OUTPUT "B" SHALL BE PRESENCE MODE FOR SYSTEM SAMPLING ONLY.

(#) SYS. SAMP. #



POLE SCHEDULE

POLE SCHEDULE														
POLE DATA			SIGNAL	H.P.S. LIGHTS*			SIGNAL MOUNTING			PED. PUSH BUTTON		FOUNDATION		ILLUMINATED SIGN
No.	TYPE	HEIGHT	M.A.	M.A.	WATTS	VEH.	M.A.	PED.	PHASE	QUAD	TYPE	SIZE	MESSAGE (DBL FACED)	
①	26-4-80	30'	55'	15'	250	SV-1-Ø17	MAS	SP-1-CS	4	S	C	3'-6"X10'-0"	Valley Vista Way	
②	1-A	7'	-	-	-	-	-	TP-1-T	6	W	S	2'-0"X3'-0"		
③	TYPE 15	30'	-	12'	250	SV-1-T	-	SP-1-CS	6	W	C	2'-6"X5'-0"		
④	1-A	10'	-	-	-	TV-1-T	-	SP-1-CS	4	N	S	2'-0"X3'-0"	-	
⑤	26-4-50	30'	35'	15'	250	TV-2-T	MAS	SP-1-CS	4	N	C	3'-6"X8'-0"	Valley Vista Way	
⑥	17-2-70	30'	20'	15'	250	SV-2-TA	MAS	SP-1-CS	4	N	C	2'-0"X6'-0"	El Toro Rd	

- SINGLE FACE ISNS.
- FURNISH & INSTALL CUT-OFF TYPE III FOR ALL LUMINAIRES AS APPROVED BY THE ENGINEER IN THE FIELD.
- † SPECIAL DESIGN POLE, WITH MODIFIED MAST-ARM LENGTH AND FOUNDATION SIZE.
- MODIFIED MAST ARM LENGTH.
- LUMINAIRE M.A. @ 30' FROM SIG. M.A. PER PLAN.

C = C.I.D.H.
S = SQUARE

INSP:	TED KEITH
SUPVR. INSP:	DAVE GOYA
CONTRACTOR:	F.J. JOHNSON ELECT.
TURN ON DATE:	3/13/90

Prepared under the direction of:
HUNSAKER & ASSOCIATES
IRVINE, CALIF.

PLANNING • ENGINEERING • SURVEYING
THOMAS HUGHES • IRVINE, CALIF. 92718
(714) 363-1010

Designed by Katz, Okitsu & Associates
Moses Katz R.T.E. 1058
1-23-89

NO.	DESCRIPTION	SHT.	APPROVED	DATE
1	RECORD DRAWING			
2	ADDED TELEPHONE SPICE BOX, HUNG CONDUIT SO. END DETECTOR, LONGER MAST POLE (5) TYPE III SERVICE.	2		

REVISIONS

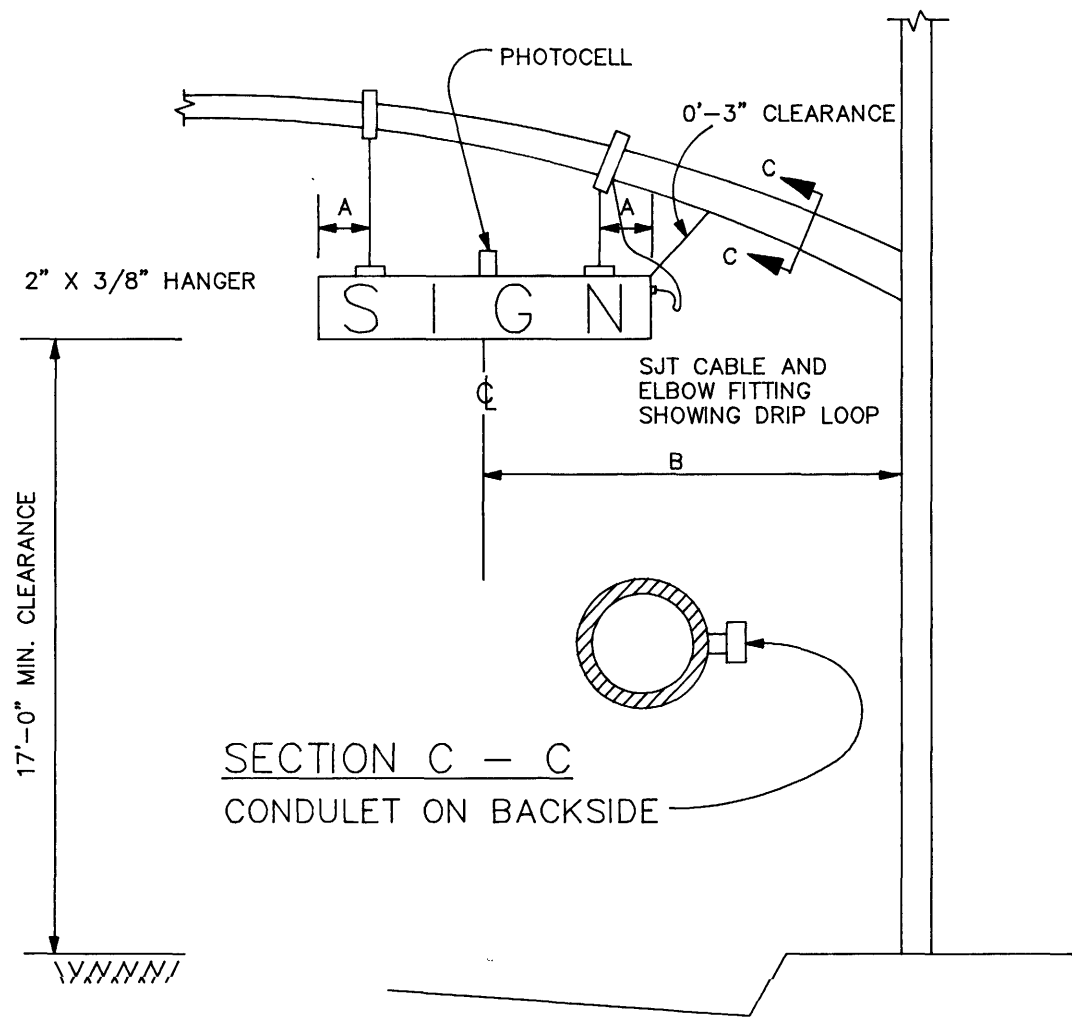
ORANGE COUNTY
ENVIRONMENTAL MANAGEMENT AGENCY

SIGNAL PLAN
EL TORO ROAD
AND
VALLEY VISTA WAY

PREPARED UNDER	SUPERVISION OF	DATE	W.O. NO.	SHEET
SCALE	DATE			10
1"=20'	1-23-89			OF 11

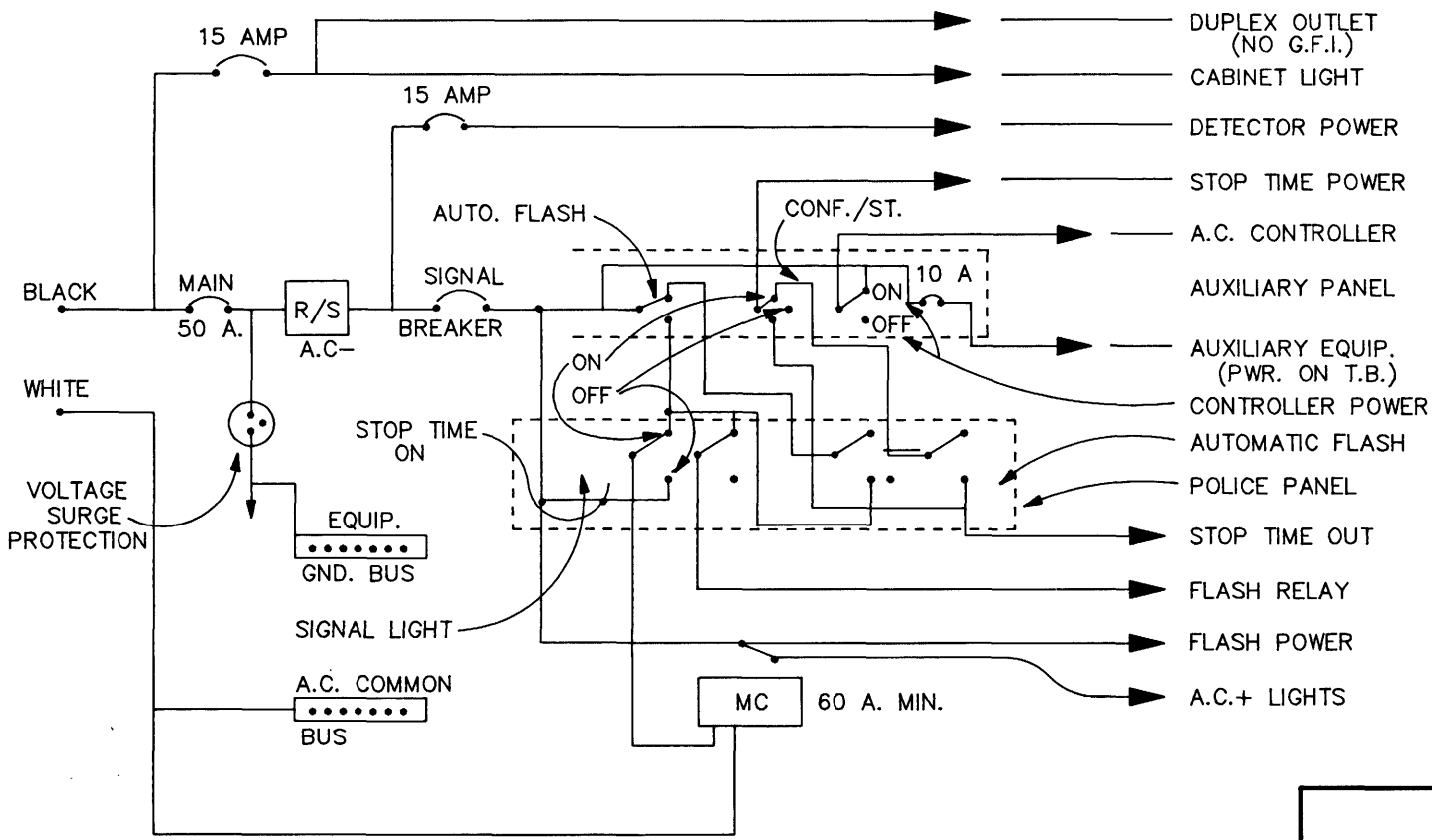
TR 5002-12724 B

DETAIL A
STREET NAME SIGN COMPONENTS



- NOTES
- A 1'-6" MINIMUM
 - B 10'-6" CENTERLINE OF SIGN TO FACE OF POLE

DETAIL B
CONTROLLER CABINET WIRING



GENERAL NOTES:

1. ALL WORK, MATERIALS AND EQUIPMENT SHALL CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA DEPT. OF TRANSPORTATION, STANDARD PLANS AND STANDARD SPECIFICATIONS DATED JULY 1984 AND THE SPECIAL PROVISIONS FOR THIS PROJECT.
2. CONDUCTOR SCHEDULE IS FURNISHED AS AN INSTALLATION GUIDE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATIONS.
3. UTILITIES SHOWN ON THESE PLANS ARE CORRECT AND ACCURATE TO THE EXTENT OF AVAILABLE RECORDS AND KNOWLEDGE. THE CONTRACTOR, HOWEVER, IS REQUIRED TO ASCERTAIN THE EXACT LOCATION OF UNDERGROUND FACILITIES PRIOR TO DOING WORK THAT MAY DAMAGE SUCH FACILITIES OR INTERFERE WITH THEIR SERVICE.
4. 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT ORANGE COUNTY E.M.A. FOR INSPECTION AT 567-7800.
5. THE ENGINEER SHALL APPROVE POLE AND LOOP DETECTION PLACEMENT IN THE FIELD PRIOR TO INSTALLATION.
6. ALL CONDUIT SHALL BE 2" UNLESS OTHERWISE NOTED.
7. ALL PULL BOXES SHALL BE #5 UNLESS OTHERWISE NOTED.
8. ALL SALVAGED EQUIPMENT SHALL BE DELIVERED BY CONTRACTOR TO ORANGE COUNTY YARD AT 1152 EAST FRUIT ST., SANTA ANA, CA. CONTRACTOR SHALL GIVE A 48-HOUR NOTICE TO THE COUNTY PRIOR TO THE DELIVERY DATE.
9. CONTRACTOR SHALL PROVIDE ALL NECESSARY TELEPHONE AND ELECTRICAL SERVICE LINES AND INTERCONNECT HOOK-UPS BETWEEN THE LOCAL CONTROLLER AND THE SYSTEM MASTER.
10. PEDESTRIAN INDICATION SHALL BE INTERNATIONAL SYMBOL.
11. PEDESTRIAN PUSH BUTTON SHALL BE TYPE B WITH INTERNATIONAL SYMBOL PLATE.
12. ALL VEHICLE INDICATIONS SHALL BE 12" WITH BACKPLATES, GLASS REFLECTORS, AND GLASS LENSES, UNLESS SHOWN OTHERWISE.
13. CONTRACTOR SHALL AVOID DAMAGING EXISTING UTILITIES AS DIRECTED BY ENGINEER.
14. CONTRACTOR SHALL AVOID DAMAGING EXISTING UTILITIES. (SEE SPECIAL PROVISIONS).
15. INDUCTIVE LOOPS SHALL BE 6' X 6' WITH 10' SPACING IN THE DIRECTION OF TRAVEL UNLESS OTHERWISE NOTED.
16. ALL DETECTOR CABLE HOMERUNS SHALL BE IN THE CROSSWALK AREA.
17. NEW STRIPING LAYOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.
18. ALL STRIPING AND SIGNS SHALL BE IN PLACE BEFORE "SIGNAL" TURN ON.



Prepared under the direction of:
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Designed by Katz, Okitsu & Associates
MOSES KATZ
R.T.E. 1056
date 9-9-88

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY				
DETAIL SHEET				
NO.	DESCRIPTION	SHT.	APPROVED	DATE
REVISIONS				
SCALE		DATE	W.D. NO.	
N/A		9-9-88	042-54	
SHEET				11 of 11

TR-IMP. 12724