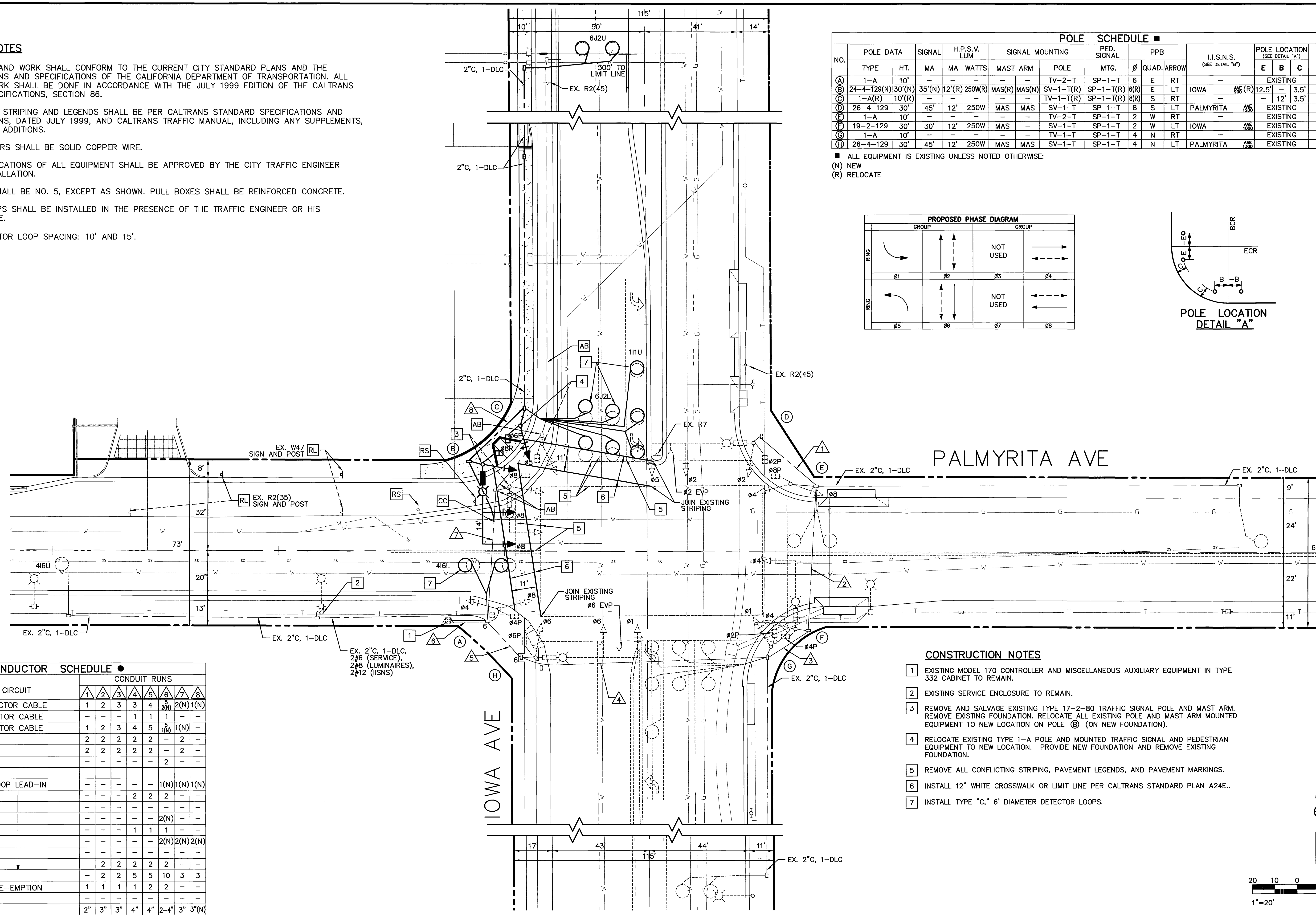
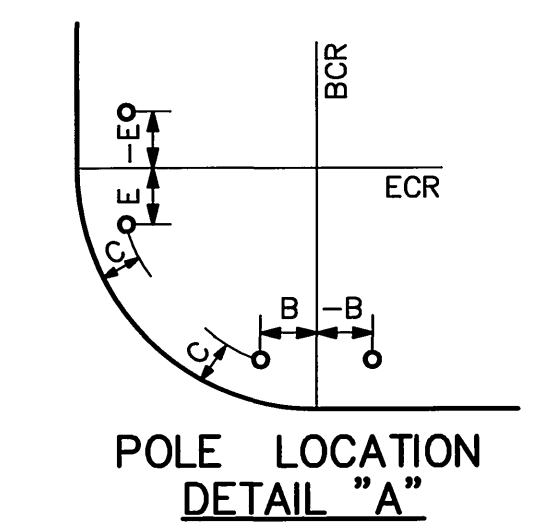
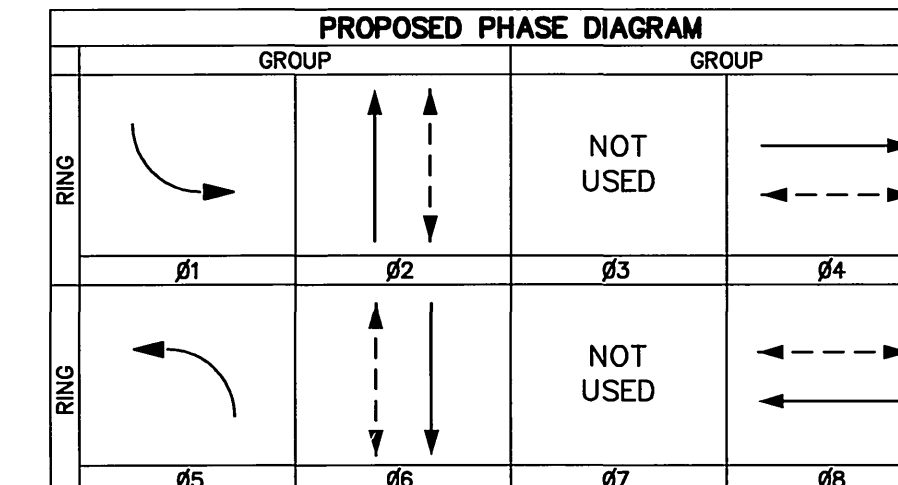


**GENERAL NOTES**

- ALL MATERIAL AND WORK SHALL CONFORM TO THE CURRENT CITY STANDARD PLANS AND THE STANDARD PLANS AND SPECIFICATIONS OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE JULY 1999 EDITION OF THE CALTRANS STANDARD SPECIFICATIONS, SECTION 86.
- TRAFFIC SIGNS, STRIPING AND LEGENDS SHALL BE PER CALTRANS STANDARD SPECIFICATIONS AND STANDARD PLANS, DATED JULY 1999, AND CALTRANS TRAFFIC MANUAL, INCLUDING ANY SUPPLEMENTS, REVISIONS AND ADDITIONS.
- NEW CONDUCTORS SHALL BE SOLID COPPER WIRE.
- FINAL FIELD LOCATIONS OF ALL EQUIPMENT SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER PRIOR TO INSTALLATION.
- PULL BOXES SHALL BE NO. 5, EXCEPT AS SHOWN. PULL BOXES SHALL BE REINFORCED CONCRETE.
- DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
- TYPICAL DETECTOR LOOP SPACING: 10' AND 15'.

NO.	POLE DATA		SIGNAL	H.P.S.V. LUM.	SIGNAL MOUNTING		PED. SIGNAL	PPB	I.I.S.N.S. (SEE DETAIL "A")	POLE LOCATION (SEE DETAIL "A")			REMARKS					
	TYPE	HT.			MA	WATTS				MTG.	QUAD.	ARROW		E	B	C		
(A)	1-A	10'	-	-	-	-	TV-2-T	SP-1-T	6	E	RT	-	-	-				
(B)	24-4-129(N)	30'(N)	35'(N)	12'(R)	250W(R)	MAS(R)	MAS(N)	SV-1-T(R)	SP-1-T(R)	6(R)	E	LT	IOWA	AV <sub>5</sub> (R)	12.5'	-	3.5'	-
(C)	1-A(R)	10'(R)	-	-	-	-	TV-1-T(R)	SP-1-T(R)	8(R)	S	RT	-	-	-	12'	3.5'	-	
(D)	26-4-129	30'	45'	12'	250W	MAS	MAS	SV-1-T	SP-1-T	8	S	LT	PALMYRITA	AV <sub>5</sub>	-	-	-	EXISTING
(E)	1-A	10'	-	-	-	-	TV-2-T	SP-1-T	2	W	RT	-	-	-	-	-	-	EXISTING
(F)	19-2-129	30'	30'	12'	250W	MAS	-	SV-1-T	SP-1-T	2	W	LT	IOWA	AV <sub>5</sub>	-	-	-	EXISTING
(G)	1-A	10'	-	-	-	-	TV-1-T	SP-1-T	4	N	RT	-	-	-	-	-	-	EXISTING
(H)	26-4-129	30'	45'	12'	250W	MAS	MAS	SV-1-T	SP-1-T	4	N	LT	PALMYRITA	AV <sub>5</sub>	-	-	-	EXISTING

■ ALL EQUIPMENT IS EXISTING UNLESS NOTED OTHERWISE:  
(N) NEW  
(R) RELOCATE

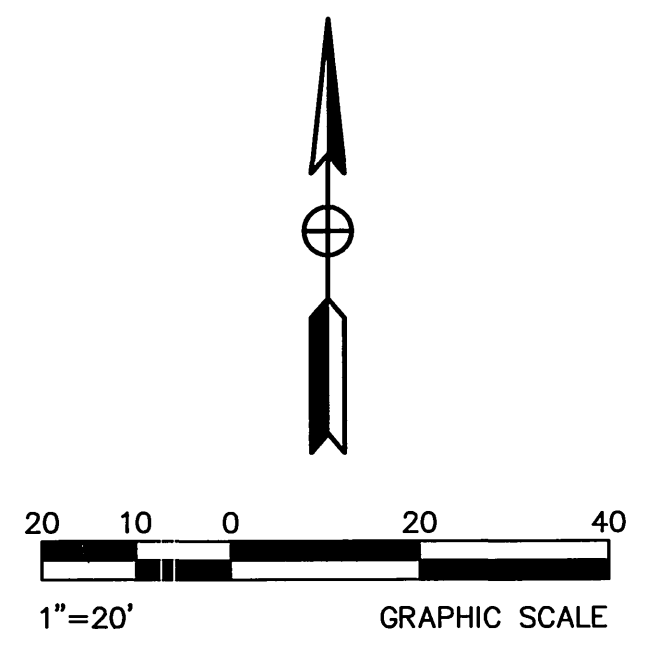


CONTROL		CIRCUIT		CONDUIT RUNS											
				1	2	3	4	5	6	7	8	9	10	11	12
VEHICLE & HEADS, PPB, SPARES & COMMONS	12 CONDUCTOR CABLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9 CONDUCTOR CABLE	-	-	-	1	1	1	-	-	-	-	-	-	-	-
	3 CONDUCTOR CABLE	1	2	3	4	5	1(N)	1(N)	-	-	-	-	-	-	-
#12	IISNS	2	2	2	2	2	-	2	-	-	-	-	-	-	-
#8	LIGHTING	2	2	2	2	2	-	2	-	-	-	-	-	-	-
#6	SERVICE	-	-	-	-	-	-	2	-	-	-	-	-	-	-
TYPE "C" DLC	1	LOOP LEAD-IN	-	-	-	-	-	1(N)	1(N)	1(N)	-	-	-	-	-
	2		-	-	-	-	2	2	2	-	-	-	-	-	-
	3		-	-	-	-	-	-	-	-	-	-	-	-	-
	4		-	-	-	-	-	-	-	2(N)	-	-	-	-	-
	5		-	-	-	-	1	1	1	-	-	-	-	-	-
	6		-	-	-	-	-	-	-	2(N)	2(N)	2(N)	-	-	-
	7		-	-	-	-	-	-	-	-	-	-	-	-	-
	8		-	2	2	2	2	2	-	-	-	-	-	-	-
TOTAL			-	2	2	5	5	10	3	3	-	-	-	-	-
EMERGENCY VEHICLE PRE-EMPTION			1	1	1	1	2	2	-	-	-	-	-	-	-
INTERCONNECT CABLE			-	-	-	-	-	-	-	-	-	-	-	-	-
CONDUIT SIZE			2"	3"	3"	4"	4"	2-4"	3"	3"(N)	-	-	-	-	-

● ALL CONDUIT AND CONDUCTORS ARE EXISTING UNLESS NOTED OTHERWISE:  
(N) NEW

**CONSTRUCTION NOTES**

- EXISTING MODEL 170 CONTROLLER AND MISCELLANEOUS AUXILIARY EQUIPMENT IN TYPE 332 CABINET TO REMAIN.
- EXISTING SERVICE ENCLOSURE TO REMAIN.
- REMOVE AND SALVAGE EXISTING TYPE 17-2-80 TRAFFIC SIGNAL POLE AND MAST ARM. REMOVE EXISTING FOUNDATION. RELOCATE ALL EXISTING POLE AND MAST ARM MOUNTED EQUIPMENT TO NEW LOCATION ON POLE (C) (ON NEW FOUNDATION).
- RELOCATE EXISTING TYPE 1-A POLE AND MOUNTED TRAFFIC SIGNAL AND PEDESTRIAN EQUIPMENT TO NEW LOCATION. PROVIDE NEW FOUNDATION AND REMOVE EXISTING FOUNDATION.
- REMOVE ALL CONFLICTING STRIPING, PAVEMENT LEGENDS, AND PAVEMENT MARKINGS.
- INSTALL 12" WHITE CROSSWALK OR LIMIT LINE PER CALTRANS STANDARD PLAN A24E..
- INSTALL TYPE "C," 6" DIAMETER DETECTOR LOOPS.



**Underground Service Alert**  
Call: TOLL FREE  
1-800-422-4133  
TWO WORKING DAYS BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER  
No. 65218  
EXP. 9/30/05  
CIVIL  
STATE OF CALIFORNIA

Plans prepared by:  
**Kimley-Horn and Associates, Inc.**  
2100 WEST ORANGEWOOD AVENUE, SUITE 140  
ORANGE, CALIFORNIA 92668 © 2004  
(714) 939-1030  
JASON J. WELCHOR R.C.E. 65218  
5/10/04  
EXP. 9-30-05

MARK	REVISIONS	APPR.	DATE
DESIGNED BY	JJM	DRAWN BY	JJM
CHECKED BY	JR		

**CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT**  
APPROVED BY: [Signature]  
DATE: 5-12-04  
PRINCIPAL ENGINEER: [Signature]  
TRAFFIC DIVISION: [Signature]

**TRAFFIC SIGNAL MODIFICATION PLAN**  
IOWA AVENUE AT PALMYRITA AVENUE  
SCALE: 1" = 20'

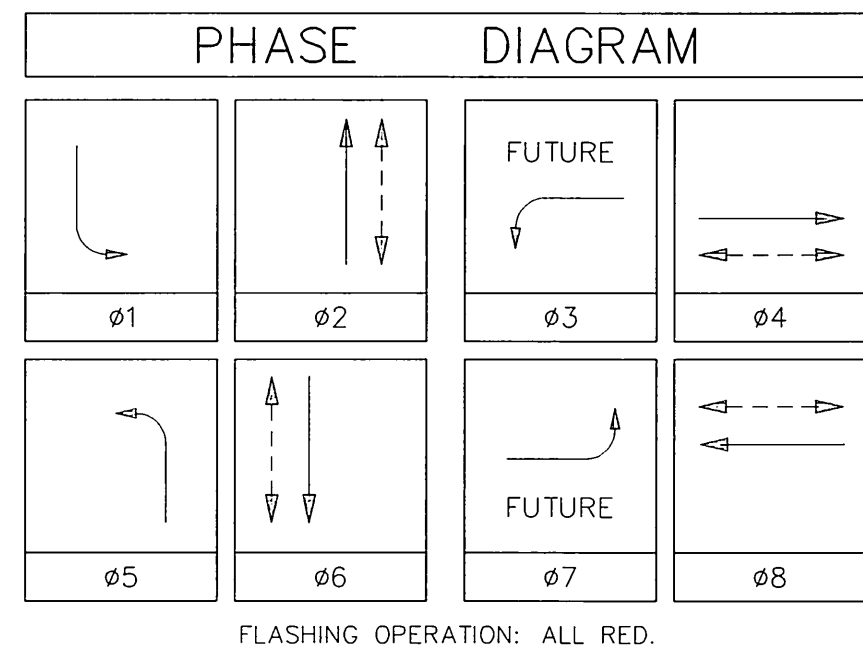
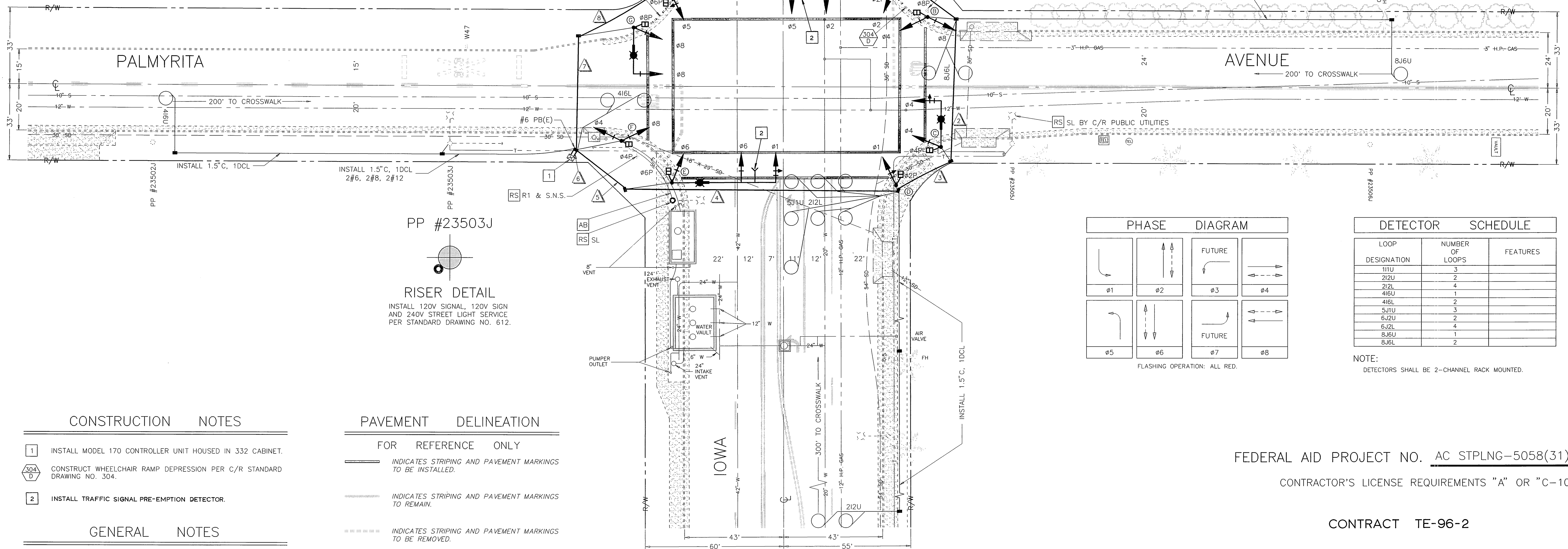
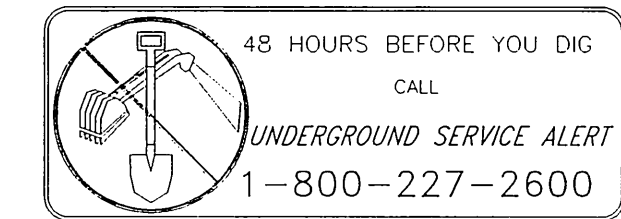
ACCOUNT NO.  
**X-382A**  
SHEET 1 OF 1

EQUIPMENT		SCHEDULE									
NO.	TYPE	H'GHT	M.A.	M.A.	H.P.S.V.	I.I.S.N.S. LEGEND	SIGNAL MOUNTINGS VEHICLE	PEDESTRIAN	AUDIBLE	PPB PHASE	REMARKS
(A)	26-4-80	30'	45'	12'	250W	PALMYRITA	MAS				
							SV-1-T	SP-1-T	NONE	8	
(B)	1A	10'					TV-2-T	SP-1-T	NONE	2	
(C)	17-2-80	30'	20'	12'	250W	IOWA	MAS				
							SV-1-T	SP-1-T	NONE	2	
(D)	1A	10'					TV-1-T	SP-1-T	NONE	4	
(E)	26-4-80	30'	45'	12'	250W	PALMYRITA	MAS				
							SV-1-T	SP-1-T	NONE	4	
(F)	1A	10'					TV-2-T	SP-1-T	NONE	6	
(G)	17-2-80	30'	20'	12'	250W	IOWA	MAS				
							SV-1-T	SP-1-T	NONE	6	
(H)	1A	10'					TV-2-T	SP-1-T	NONE	8	

NOTES:

- ALL VEHICULAR HEADS SHALL HAVE 12" LENSES.
- ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
- PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.
- TYPE 1-A STANDARDS SHALL BE ALUMINUM.
- LUMINAIRES SHALL BE HIGH PRESSURE SODIUM VAPOR.

CONDUCTOR		TABLE							
CONTROL FUNCTION	CONDUCTORS	CONDUCTOR				RUNS			
		1	2	3	4	5	6	7	8
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA	-	-	-	-	-	-	-	-
	9 WIRE IMSA	-	-	-	1	1	2	1	1
	5 WIRE IMSA	-	-	-	-	-	-	-	-
	3 WIRE IMSA	1	2	3	4	5	8	2	1
DETECTOR CABLE	#16/2	-	-	-	-	-	-	-	-
PHASE 1		-	-	-	-	-	1	1	1
PHASE 2		-	-	-	-	-	-	-	-
PHASE 3 (FUTURE)		-	-	-	2	2	2	-	-
PHASE 4		-	-	-	-	-	-	2	-
PHASE 5		-	-	-	-	1	1	-	-
PHASE 6		-	-	-	-	-	-	2	2
PHASE 7 (FUTURE)		-	-	-	-	-	-	-	-
PHASE 8		-	2	2	2	2	2	-	-
TOTALS		-	2	2	2	5	5	10	3
PRIORITY SYS. PRE-EMPT	#20	1	1	1	1	2	2	-	-
INTERCONNECT CABLE	#19	-	-	-	-	-	-	-	-
I.I.S.N.S.	#12	2	2	2	2	2	2	-	-
LUMINAIRES	#8	2	2	2	2	2	2	-	-
SIGNAL SERVICE	#6	-	-	-	-	-	2	-	-
CONDUIT SIZE		2"	3"	3"	3.5"	3.5"	2-3.5"	3"	2"



DETECTOR SCHEDULE		
LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
111U	3	
212U	2	
212L	4	
416U	1	
416L	2	
5J1U	3	
6J2U	2	
6J2L	4	
8J6U	1	
8J6L	2	

NOTE: DETECTORS SHALL BE 2-CHANNEL RACK MOUNTED.

- CONSTRUCTION NOTES**
- INSTALL MODEL 170 CONTROLLER UNIT HOUSED IN 332 CABINET.
  - CONSTRUCT WHEELCHAIR RAMP DEPRESSION PER C/R STANDARD DRAWING NO. 304.
  - INSTALL TRAFFIC SIGNAL PRE-EMPTION DETECTOR.
- GENERAL NOTES**
- DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
  - TYPICAL DETECTOR LOOP SPACING: 10' AND 15'.
  - PAVEMENT DELINEATION SHOWN HEREON IS FOR REFERENCE ONLY.
  - ALL SIGNING, STRIPING AND PAVEMENT MARKING REQUIREMENTS SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO TURN-ON.

- PAVEMENT DELINEATION**
- FOR REFERENCE ONLY
- INDICATES STRIPING AND PAVEMENT MARKINGS TO BE INSTALLED.
  - INDICATES STRIPING AND PAVEMENT MARKINGS TO REMAIN.
  - INDICATES STRIPING AND PAVEMENT MARKINGS TO BE REMOVED.

FEDERAL AID PROJECT NO. AC STPLNG-5058(31)  
 CONTRACTOR'S LICENSE REQUIREMENTS "A" OR "C-10"  
 CONTRACT TE-96-2

	ENGINEER IN RESPONSIBLE CHARGE RICHARD D. MCGRATH R.C.E. NO. 31952 EXPIRES 12-31-96 DATE 2/2/96		CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		TRAFFIC SIGNAL INSTALLATION IOWA AVENUE AND PALMYRITA AVENUE	ACCT. NO. 0430-541600-440125-35038 X-382 SHEET 1 OF 1 FILE NAME: X382.DWG
	APPROVED BY: [Signature] PRINCIPAL ENGINEER P.W. INSPECTION: [Signature] TRAFFIC DIVISION: [Signature] CHIEF P.W. ENGR: [Signature] PUBLIC UTILITIES: [Signature]	BY: [Signature] DATE: 2/5/96	APPROVED BY: [Signature] DIRECTOR OF PUBLIC WORKS	DATE: 2/5/96	SCALE: 1" = 20'	