

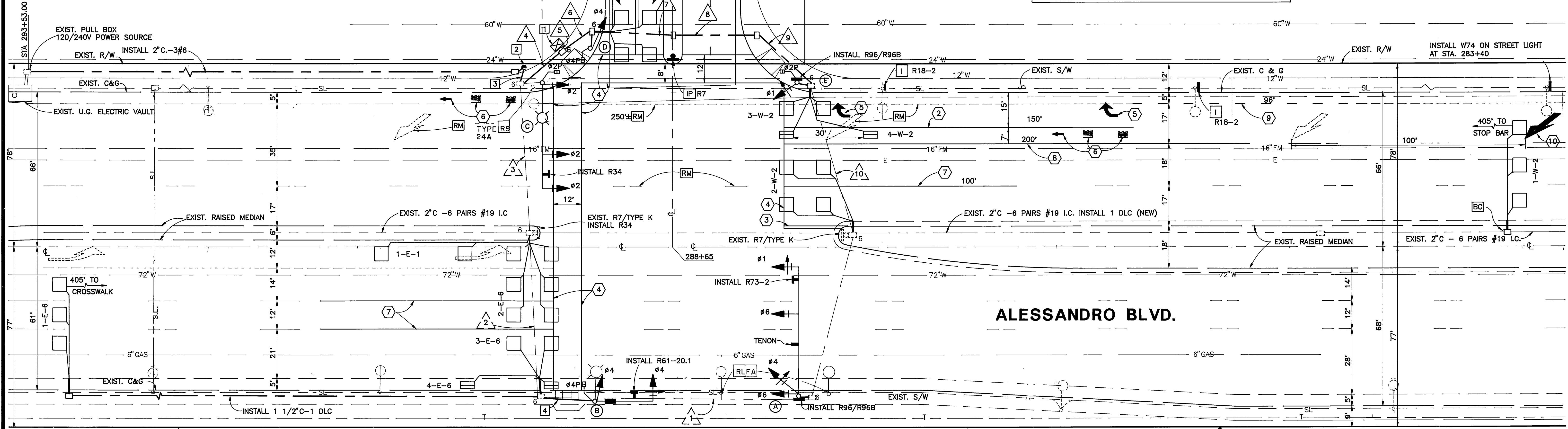
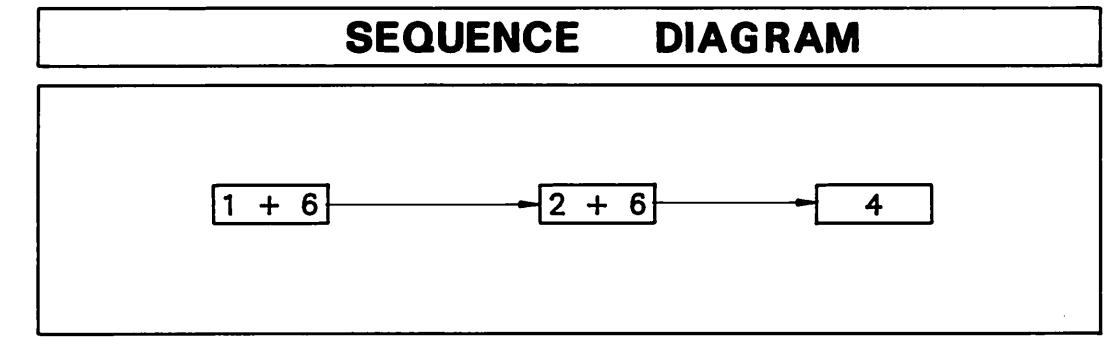
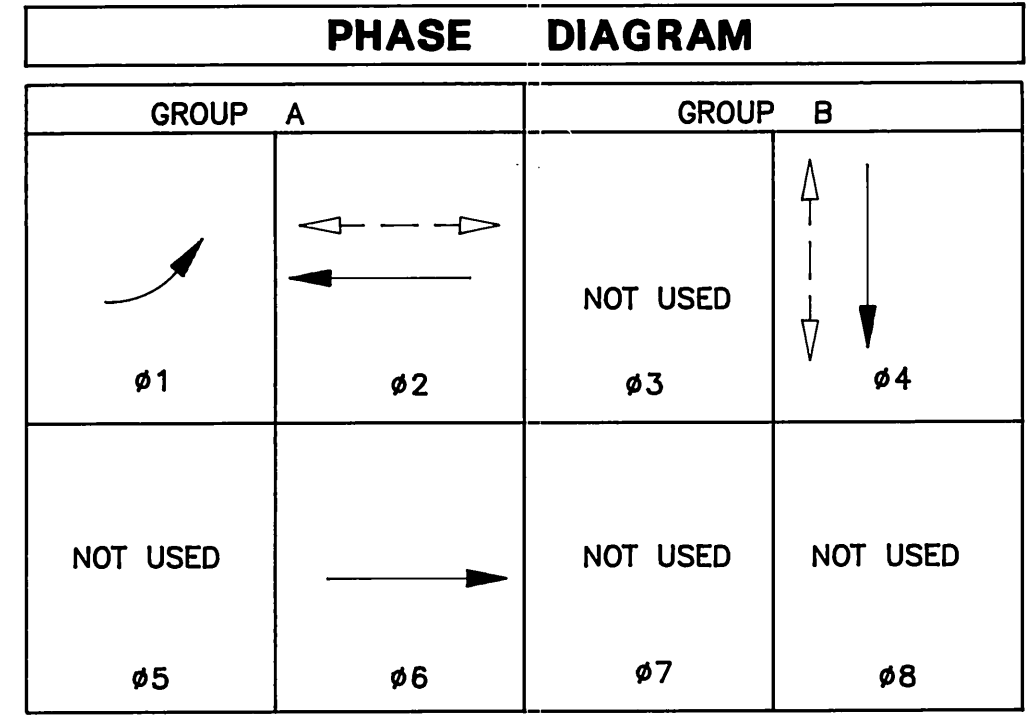
CONDUCTOR SCHEDULE											
AWG	CONDUCTOR	CONDUIT RUN									
		1	2	3	4	5	6	7	8	9	10
#14	Ø1	3	3	3	3	6	3	3	3	3	
	Ø2					3					
	Ø4	3	3	3	3	6	3				
	Ø6	3	3	3	3	3					
	Ø2PED				2	4	2	2	2	2	
	Ø4PED	2	2	2	4	2	2	2	1		
	Ø2PPB				2	2	2	2	1		
	Ø4PPB	1	1	2	2						
	PPB COMMON	1	1	1	2	1	1	1	1		
	SPARE	3	3	3	3	6	3	3	3	3	
TOTAL #14	12	16	16	22	38	16	11	10	8		
#12	I.S.N.S.		2	2							
#10	SIGNAL COMMON	1	1	1	1	2	1	1	1	1	
#8	LUMINAIRE		2	2							
#6	SERVICE				2	2					
DLC	Ø1			1	1	1					
	Ø2					3	3	3	3	2	
	Ø2 BIKE					1	1	1	1	1	
	Ø4					2	2				
	Ø6	2	3	3	3						
Ø6 BIKE	1	1	1	1							
TOTAL DLC	3	5	5	11	6	4	4	4	2		
INTERCONNECT CABLE (I.C.)			1	1	1						
CONDUIT SIZE		3"	3"	3"	3"	2-3"	3"	3"	3"	3"	

DETECTOR SCHEDULE			
CHANNELS	LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
1	1-S-4	3	
2	2-S-4	3	
1	1-E-6	3	▲
2	2-E-6	4	■
1	3-E-6	2	
2	4-E-6	2 (BIKE)	
1	1-E-1	4	■
2	1-W-2	3	■
1	2-W-2	4	■
2	3-W-2	2	▲
1	4-W-2	2 (BIKE)	

● CALL-HOLD (EXTENSION)  
 ■ FOR SAMPLING  
 ▲ DELAY  
 DETECTOR SHALL BE RACK-MOUNTED 2-CHANNEL (ALSO SEE SPECIAL PROVISIONS)  
 NOTES:  
 1. DETECTOR TIMING AND SAMPLING FEATURE MAY BE ACCOMPLISHED THROUGH INTERNAL LOGIC OF THE CONTROLLER UNIT.  
 2. SEE SPECIAL PROVISIONS REGARDING DETECTOR DISCONNECT.  
 3. DETECTOR LOOPS DESIGNATED FOR SAMPLING SHALL ALSO PERFORM NORMAL OPERATION.

POLE SCHEDULE											
NO.	TYPE	HEIGHT	MAST ARM LENGTH		SIGNAL MOUNTING		PPB		H.P.S.V. LUMINAIRE	I.I.S.N.S. LEGEND	REMARKS
			SIGNAL	LUMINAIRE	MA	POLE	PED	Ø			
A	28-5-80	17'	55'	15'	2-MAS	SV-2-TA					
B	19A-4-80	35'	25'	15'	MAS	SV-1-T	SP-1-T	4	4	250W	Alessandro BLVD 300 E
C	26A-4-80	35'	45'	15'	2-MAS	SV-1-T	SP-1-T	4	2	250W	
D	1-A	10'				TV-1-T	SP-1-T	2	3		
E	1-A	10'				TV-1-T	SP-1-T	2	1		

NOTE: EXACT POLE LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER  
 TYPE 1-A SHALL BE SPUN ALUMINUM.  
 INSTALL ALL NEW STANDARDS UNLESS OTHERWISE NOTED AND/OR SEE REMARKS



- CONSTRUCTION NOTES:**
- INSTALL TYPE 90 CONTROLLER IN TYPE 'P' CABINET (SEE SPECIAL PROVISIONS)
  - INSTALL TYPE 1-A SERVICE POLE WITH 120V. SIGN, 120V. SIGNAL AND 240V. LUMINAIRE PER CITY STD. DWG. # 667
  - INSTALL 2"C - 2#6, 2#8, 2#12
  - CONSTRUCT WHEELCHAIR RAMP PER CALTRANS STANDARD PLAN NB-B CASE D
  - DETECTOR 1-S-4 AND 2-S-4 SHALL BE PRE-FABRICATED LOOPS TO BE INSTALLED UNDER INTERLOCKING PAVERS.

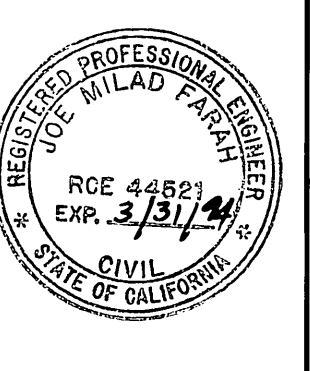
- GENERAL NOTES:** (APPLY TO SHEETS X-362 TO X-364)
- TRAFFIC SIGNAL WORK SHALL BE PERFORMED IN ACCORDANCE TO THE MOST CURRENT PROVISIONS OF SECTION 86 OF THE STANDARD SPECIFICATIONS, THE STANDARD PLANS, BOTH PUBLISHED BY THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS), THE CONSTRUCTION PLAN(S) AND AS DIRECTED BY THE TRAFFIC ENGINEER.
  - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES, PUBLIC OR PRIVATE, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITIES DAMAGED BY HIS OPERATIONS.
  - ALL LOOPS SHALL BE 6'X6' UNLESS OTHERWISE NOTED.
  - ALL SIGNAL PLATES AND BACK PLATES SHALL BE METAL. ALL LENSES SHALL BE GLASS. LEFT-TURN HEADS SHALL HAVE RED, YELLOW, AND GREEN ARROWS. ALL VEHICLE INDICATIONS SHALL BE 12". PEDESTRIAN INDICATIONS SHALL BE INTERNATIONAL SYMBOL TYPE "C".
  - THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS THE PLANS FOR APPROVAL BY THE CITY.

- CONTACT TRAFFIC SIGNAL MAINTENANCE 48 HRS. IN ADVANCE TO SCHEDULE INSPECTION OF WORK TO BE PERFORMED; TEL. (714) 351-6096
- THE CONTRACTOR SHALL FURNISH ALL CIRCUIT BREAKERS TYPES AS SPECIFIED:  
 A) SQUARE D CABINET LOAD CENTER SQDQD6-12RB  
 B) 30 AMP BREAKER (LUMINAIRE) D.P.# SQD QD  
 C) 40 AMP BREAKER (SIGNALS) S.P.# SQD SQD  
 D) 15 AMP BREAKER (I.S.N.S.) S.P.# SQD SQD
- ALL UTILITIES SHOWN CONFORM TO UTILITIES ON STREET IMPROVEMENT PLAN NO.R-3056
- A STREET OPENING PERMIT OBTAINABLE AT THE CITY OF RIVERSIDE PUBLIC WORKS IS REQUIRED FOR THIS WORK

- STRIPING AND SIGNING LEGEND**
- PAINT 4" DASHED WHITE (DETAIL 8)
  - PAINT 8" SOLID WHITE (DETAIL 38)
  - PAINT 11" DOUBLE YELLOW (DETAIL 21)
  - INSTALL 12" SOLID WHITE (TAPE)
  - INSTALL "ARROW" PAVEMENT MARKING (TYPE IV (R OR L)) (TAPE)
  - PAINT 4" SOLID WHITE
  - PAINT 6" SOLID WHITE (DETAIL 39)
  - REMOVE EXIST. 6" SOLID WHITE
  - PAINT 6" SKIP WHITE (DETAIL 39A)
  - INSTALL "ARROW" PAVEMENT MARKING (TYPE VI) (TAPE)
  - INSTALL SIGN (AS INDICATED) ON EXIST. STREET LIGHT
  - INSTALL SIGN (AS INDICATED) & POST
  - REMOVE CONFLICTING STRIPE AND/OR PAVEMENT MARKING

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

**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 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



PREPARED UNDER THE DIRECTION OF  
*James B. Dobbins*  
 REGISTERED CIVIL ENGINEER NO: 44521  
 EXPIRATION DATE: 3/31/94 DATE: 8/13/91  
 RECOMMENDED BY: DATE: 8/13/91  
*James B. Dobbins*  
 James B. Dobbins RTE NO. 18

**J.F. Davidson Associates, Inc.**  
 ENGINEERING PLANNING SURVEYING LANDSCAPE ARCHITECTURE  
 MUNICIPAL ENGINEERING DIVISION  
 3426 TENTH STREET  
 P.O. BOX 483  
 RIVERSIDE, CA 92502  
 (714) 683-0209 FAX (714) 686-5807  
 SCALE: 1"=20'-0" BENCH MARK:  
 DATE: AUGUST, 91

DESIGNED BY: KTO/CMM DRAWN BY: CMM/OKT CHECKED BY: OMA

**CITY OF RIVERSIDE, CALIFORNIA**  
 DEPARTMENT OF PUBLIC WORKS  
 APPROVED BY: [Signature] DATE: 8/22/91  
 CHIEF P.W. ENGINEER  
 PUBLIC UTILITIES

**TRAFFIC SIGNAL PLAN**  
**ALESSANDRO BLVD.**  
 AND  
**MISSION VILLAGE PLAZA WEST**  
 FOR: REGIONAL PROPERTIES

PROJECT NO. 8911101  
**X-362**  
 SHEET 1 OF 1  
 FILE NO:

CITY OF RIVERSIDE OVERHEAD AND UNDERGROUND ELECTRICAL  
 [Signature]  
 ENG. MANAGER-ELECTRIC DATE: 8/22/91