



CONDUCTOR SCHEDULE										
AWG	CONDUCTOR RUN	1	2	3	4	5	6	7	8	9
#14	Ø1					3	3	3	3	3
	Ø2					3	3	3	3	3
	Ø6	3	3	3	3					
	Ø8	3	3	3	3	6				
	Ø2P					2	4	2	2	2
	Ø8P (FUT)		(2)	(2)	(2)	(2)				
	Ø2PPB					2	1	1		
	Ø8PPB (FUT)		(1)	(1)	(2)	(2)				
	PPB COMMON		1	1	1	2	1	1		
	SPARES		3	3	3	3	6	3	3	3
TOTAL		9	13	13	19	36	13	13	11	6
#12	I.S.N.S.	2	2	2						
#10	SIGNAL COMMON	1	1	1	1	2	1	1	1	1
#8	LUMINAIRE		2	2	2		2	2	2	
#6						2				
DLC	Ø1			3	3	3				
	Ø2					2	2	2	2	2
	Ø6			3	4	4	4			
	Ø8					4	2			
	TOTAL DLC		3	7	7	13	4	2	2	2
INTERCONNECT		1	1	1	2	1	1	1	1	1
CONDUIT SIZE		2"	2"	2 1/2"	2 1/2"	2-3"	2 1/2"	2"	2"	2"

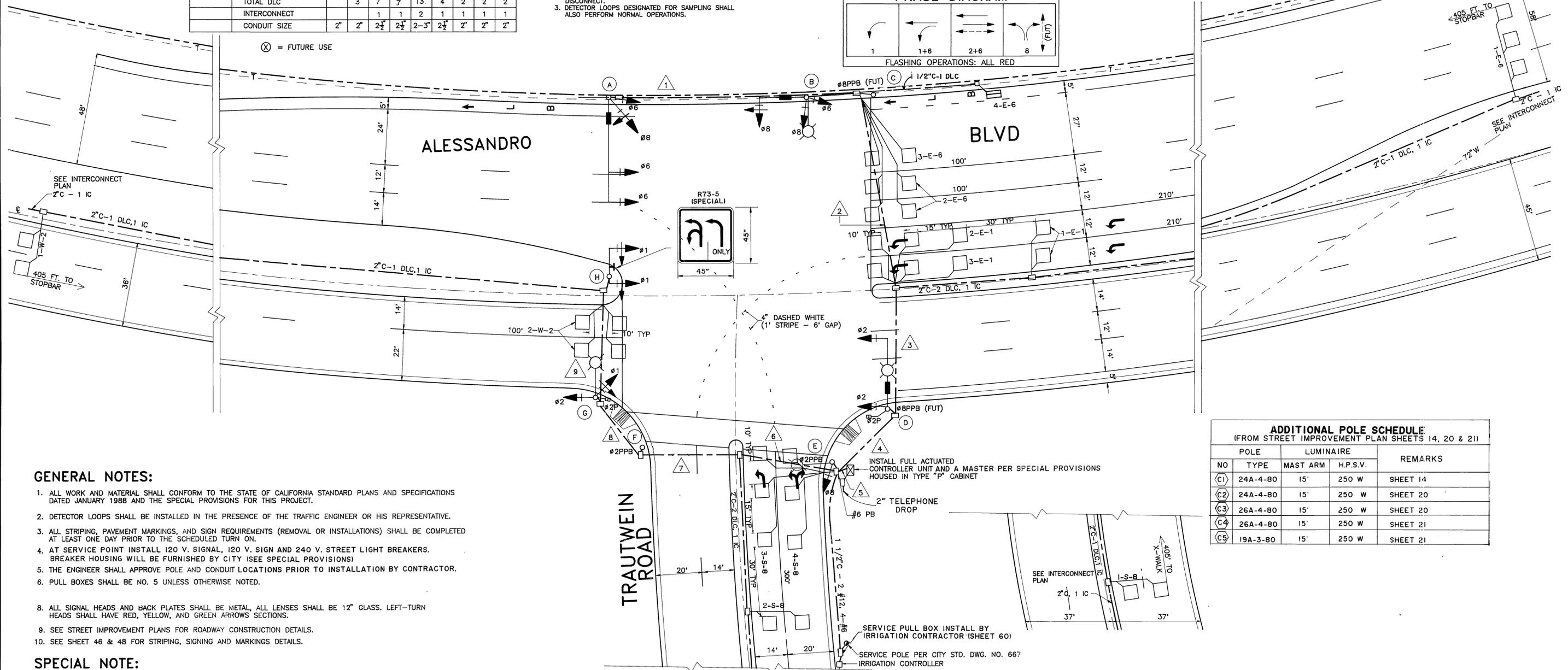
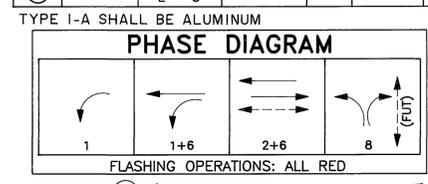
DETECTOR SCHEDULE			
CHANNELS	LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
1	1-W-2	2	● ●
2	2-W-2	4	
1	1-S-8	2	● ●
2	2-S-8	2	
1	3-S-8	3	
2	4-S-8	3	
1	1-E-1	2	●
2	2-E-1	3	
1	3-E-1	3	
2	1-E-6	3	● ●
1	2-E-6	4	
2	3-E-6	2	
1	4-E-6	2	(BIKE)

CALL-HOLD (EXTENSION) FOR SAMPLING DETECTOR SHALL BE RACK MOUNTED 2-CHANNEL (ALSO SEE SPECIAL PROVISIONS)

**NOTES:**  
 1. DETECTOR TIMING AND SAMPLING FEATURES 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 OPERATIONS.

POLE SCHEDULE											
NO.	TYPE	MAST ARM LENGTH		SIGNAL MOUNTING			PPB		LUMINAIRE H.P.S.V.	I.S.N.S. LEGEND	REMARKS
		SIGNAL	LUMINAIRE	MA	POLE	PED	Ø	QUAD			
(A)	26A-4-80	45'		MAS	SV-2-TB					Troutwein <sup>Rd</sup>	
(B)	17A-2-80	20'	15'	MAS	SV-2-TB				250W	Alessandro <sup>Bl</sup>	SEE REMARK 1
(C)	1-A						8	3			FUTURE LOCATION
(D)	19A-3-80	30'	15'	MAS	SV-1-T	SP-1-T	8	4	250W	Troutwein <sup>Rd</sup>	
(E)	TYPE 15		15'		SV-1-T		2	1	250 W		
(F)	PPB POST						2	1			
(G)	TYPE 15		15'		SV-2-TA	SP-1-T			250W		
(H)	TYPE 33	R = 12' L = 3'		MAS	SV-1-T						

**REMARK**  
 1. INSTALL LUMINAIRE MOUNTING FLANGE 90° COUNTERCLOCKWISE.



- GENERAL NOTES:**
- ALL WORK AND MATERIAL SHALL CONFORM TO THE STATE OF CALIFORNIA STANDARD PLANS AND SPECIFICATIONS DATED JANUARY 1988 AND THE SPECIAL PROVISIONS FOR THIS PROJECT.
  - DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
  - ALL STRIPING, PAVEMENT MARKINGS, AND SIGN REQUIREMENTS (REMOVAL OR INSTALLATIONS) SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO THE SCHEDULED TURN ON.
  - AT SERVICE POINT INSTALL 120 V. SIGNAL, 120 V. SIGN AND 240 V. STREET LIGHT BREAKERS. BREAKER HOUSING WILL BE FURNISHED BY CITY (SEE SPECIAL PROVISIONS)
  - THE ENGINEER SHALL APPROVE POLE AND CONDUIT LOCATIONS PRIOR TO INSTALLATION BY CONTRACTOR.
  - PULL BOXES SHALL BE NO. 5 UNLESS OTHERWISE NOTED.
  - ALL SIGNAL HEADS AND BACK PLATES SHALL BE METAL, ALL LENSES SHALL BE 12" GLASS. LEFT-TURN HEADS SHALL HAVE RED, YELLOW, AND GREEN ARROWS SECTIONS.
  - SEE STREET IMPROVEMENT PLANS FOR ROADWAY CONSTRUCTION DETAILS.
  - SEE SHEET 46 & 48 FOR STRIPING, SIGNING AND MARKINGS DETAILS.

**SPECIAL NOTE:**  
 SEE STREET IMPROVEMENT PLANS SHEETS NO 14, 20 & 21 FOR ADDITIONAL SIGNAL CONDUIT & PULLBOX INSTALLATION LOCATIONS. ALSO SEE TRAFFIC SIGNAL PLAN SHEET 53 FOR POLE DETAILS.

ADDITIONAL POLE SCHEDULE (FROM STREET IMPROVEMENT PLAN SHEETS 14, 20 & 21)				
NO	TYPE	MAST ARM	H.P.S.V.	REMARKS
(C1)	24A-4-80	15'	250 W	SHEET 14
(C2)	24A-4-80	15'	250 W	SHEET 20
(C3)	26A-4-80	15'	250 W	SHEET 20
(C4)	26A-4-80	15'	250 W	SHEET 21
(C5)	19A-3-80	15'	250 W	SHEET 21

**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:  
 JIMMY W. SIMS R.C.E. 35458  
 EXPIRATION DATE: 9-31-91 DATE: 12/16/89  
 APPROVED BY:

**J.F. Davidson Associates, Inc.**  
 ENGINEERING PLANNING SURVEYING ARCHITECTURE LANDSCAPE ARCHITECTURE  
 3880 Lemon Street, Suite 300 P.O. Box 493 Riverside, CA 92502 (714) 688-0844 FAX 714-688-5954  
 11200 S. Mt. Vernon Ave., Suite "D" Colton, CA 92324 (919) 825-1082  
 73-090 El Paseo, Suite 106 Palm Desert, CA 92260 (919) 345-5891 FAX 619-340-0529

SCALE: 1" = 20'-0"  
 DATE: 4-19-88

MARK REVISIONS APPR. DATE  
 DESIGNED BY: B.D. DRAWN BY: K.T.O. CHECKED BY: R.C.H.

**CITY OF RIVERSIDE, CALIFORNIA**  
 DEPARTMENT OF PUBLIC WORKS  
 APPROVED BY: [Signature] DATE: 12/15/89  
 CHIEF PUBLIC UTILITIES ENGINEER

CFD 86-1 IMPROVEMENT AREA No. 1  
 SIGNAL PLANS  
**ALESSANDRO BLVD**  
 AT  
**TRAUTWEIN ROAD**  
 HORIZ. SCALE: 1"=20' VERT. SCALE: 1"

PROJECT NO.  
**R-3056**  
 SHEET **53** OF **88**  
 FILE NO: 8710164

INDEXED 7-24-90 LHL