

CONDUCTOR SCHEDULE										
AWG.	CONDUCTOR RUN	1	2	3	4	5	6	7	8	9
Ø2	3	3	3	3	3	3	3	3	3	3
Ø4	3	3	3	3	3	3	3	3	3	3
"A" OVERLAP										
Ø6	3	3	3	3	3	3	3	3	3	3
Ø4P										
Ø6P										
Ø4PPB										
Ø6PPB										
PPB COMMON										
SPARES	3	3	3	3	3	3	3	3	3	3
TOTAL	12	12	17	19	19	22	43	21	18	18
#10 I.S.N.S.										
SIGNAL COMMON	1	1	1	1	1	1	1	1	1	1
LUMINAIRE	2	2	2	2	2	2	2	2	2	2
SERVICE										
TOTAL	2	2	2	2	2	2	2	2	2	2
#8 THW										
Ø2										
Ø4										
Ø5										
Ø6										
TOTAL DLC										
INTERCONNECT										
CONDUIT SIZE	2"	2"	2 1/2"	3"	3"	3 1/2"	2-3 1/2"	3"	3"	2"

* INSTALL SEPARATE 1 1/2" CONDUIT AND PULL ROPE FOR FUTURE INTERCONNECT.

DETECTOR SCHEDULE			
CHANNELS	LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
1	1-W-5	2	●
2	2-W-5	2	●
1	3-W-5	4	●
2	1-W-2	2	●●
1	2-W-2	4	●●
2	1-N-4	2	●●
1	2-N-4	1	●
2	3-N-4	2	●
1	4-N-4	4	●
2	5-N-4	4	▲
1	6-N-4	1(BIKE)	■
2	1-E-6	2	●●
1	2-E-6	4	●●
2	3-E-6	* 2	●●
1	4-E-6	1(BIKE)	■
2	5-E-6	2	▲

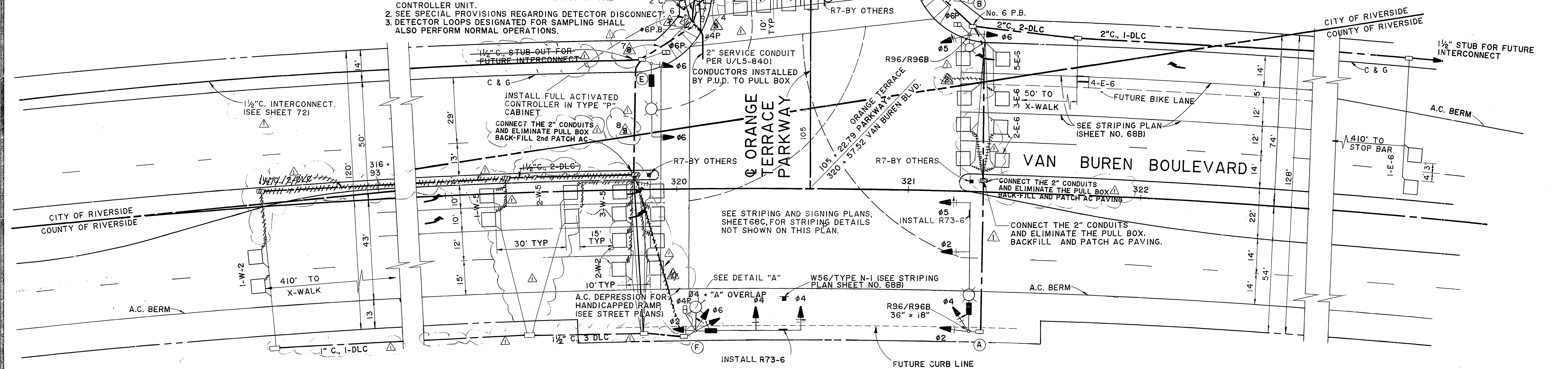
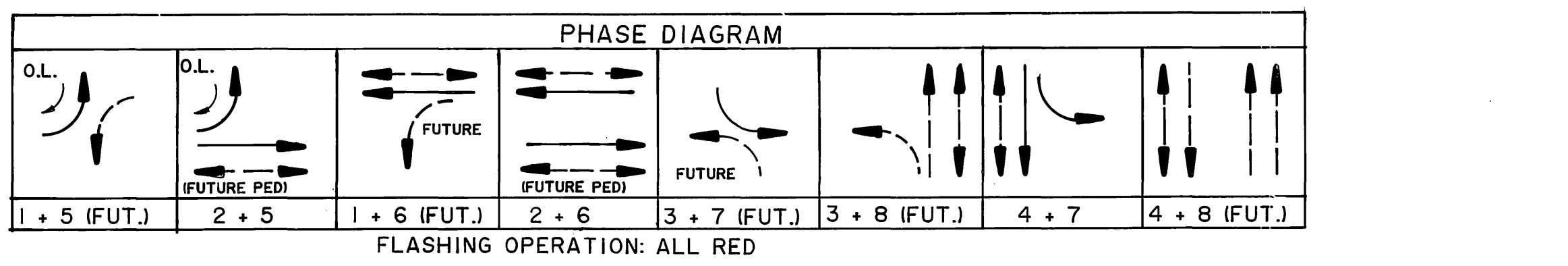
* INSTALL FOR FUTURE USE
 ■ CALL-HOLD (EXTENSION)
 ● FOR SAMPLING (DUAL CHANNEL)
 ▲ DELAY

DETECTORS SHALL BE RACK MOUNTED 2-CHANNEL (SEE SPECIAL PROVISIONS)

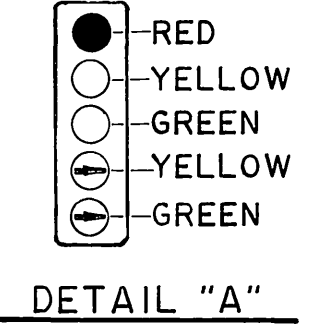
NOTES:
 1. DETECTOR TIMING AND SAMPLING FEATURES SHALL BE ACCOMPLISHED THRU INTERNAL LOGIC OF THE CONTROLLER UNIT.
 2. SEE SPECIAL PROVISIONS REGARDING DETECTOR DISCONNECT.
 3. DETECTOR LOOPS DESIGNATED FOR SAMPLING SHALL ALSO PERFORM NORMAL OPERATIONS.

POLE SCHEDULE										
POLE NO.	TYPE	MAST ARM LENGTH	SIGNAL LUMINAIRE	MA	POLE	PED	QUAD	LUMINAIRE	I.S.N.S. LEGEND	REMARKS
(A)	29-4-80	55'	15'	MAS MAS	SV-2-TB	-	-	250 W.H.P.S.	Orange Terrace Pkwy 8900	
(B)	15	-	15'	-	TV-2-T	SP-I-T	-	250 W.H.P.S.		
(C)	26-4-80	FUTURE 40'	15'	FUTURE	FUTURE	-	6 3	250 W.H.P.S.	(FUTURE)	PROVIDE FOR FUTURE USE AS A COMB. SIGNAL POLE
(D)	1-A	-	-	-	TV-I-T	SP-I-T	6 3	-		
(E)	29-5-80	30' FUTURE 55'	15'	MAS	SV-I-T	SP-I-T	4 2	250 W.H.P.S.	Orange Terrace Pkwy 8900	
(F)	26-4-80	45'	15' ³	MAS MAS	SV-3-TB	SP-I-T	4 4	-	Van Buren Blvd 20600	

NOTES: 1. TYPE 1-A STANDARDS SHALL BE ALUMINUM.
 2. LEFT TURN HEADS SHALL BE ALL ARROW INDICATIONS.
 3. INSTALL AS SHOWN, INSTALL ADDITIONAL MOUNTING FLANGE 90° CLOCKWISE FOR FUTURE USE.



NOTES:
 1. ALL WORK AND MATERIAL SHALL CONFORM TO THE STATE OF CALIFORNIA STANDARD PLANS AND SPECIFICATIONS DATED 1988 AND THE SPECIAL PROVISIONS FOR THIS PROJECT.
 2. DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
 3. ALL STRIPING, PAVEMENT MARKINGS AND SIGN REQUIREMENTS (REMOVAL AND INSTALLATION) SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO THE SCHEDULED SIGNAL TURN-ON. (SEE STRIPING PLANS)
 4. AT SERVICE POINT INSTALL 120 V SIGNAL BREAKER, 120 V SIGN BREAKER AND 240 V STREET LIGHT BREAKERS. (SEE SPECIAL PROVISIONS).
 5. THE ENGINEER SHALL APPROVE POLE LOCATIONS AND CONDUIT RUNS PRIOR TO INSTALLATION BY CONTRACTOR.
 6. A STREET OPENING PERMIT ISSUED BY THE DEPARTMENT OF PUBLIC WORKS IS REQUIRED FOR THIS WORK.
 7. SEE STREET IMPROVEMENT PLANS FOR HANDICAPPED RAMPS AND DEPRESSIONS.
 8. SEE STREET IMPROVEMENT PLANS FOR ROADWAY CONSTRUCTION DETAILS. (R-2971, SHEETS 19 & 20).
 9. A COUNTY OF RIVERSIDE ENCROACHMENT PERMIT IS REQUIRED PRIOR TO THE START OF WORK.



REVIEWED FOR ENCROACHMENT PERMIT
 APR 20 1989
 RIVERSIDE COUNTY ROAD DEPT. PLANNING CHECK
[Signature]

AS BUILT
 APPROVED BY: _____
 DATE: _____
 PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA
 9/28/89

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

PRIVATE ENGINEERING NOTE
 (NOT REQUIRED BY GOVERNING AGENCY)
 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:
[Signature]
 REGISTERED CIVIL ENGINEER NO. 35458
 EXPIRATION DATE 9/30/91 DATE: 1/12/88
 APPROVED BY: _____

J. F. DAVIDSON ASSOCIATES
 CIVIL ENGINEERS SURVEYORS PLANNERS
 3426 TENTH STREET RIVERSIDE, CAL. 92503
 11200 S. MT. VERNON AVE. COLTON, CAL. 92324
 SCALE: 1" = 20"
 BENCH MARK:
 DATE: JAN. 1988

AS BUILT
 REVISIONS
 APPR. DATE
 DESIGNED BY V.L. DRAWN BY R.H. CHECKED BY _____

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: _____
 PRINCIPAL ENGINEER: *[Signature]*
 PARK DEPARTMENT: *[Signature]*
 TRAFFIC DIVISION: *[Signature]*
 CHIEF P. W. ENGR. DATE: 3/23/89
 PUBLIC UTILITIES: *[Signature]*

CFD 86-1
 TRAFFIC SIGNAL PLAN
 VAN BUREN BOULEVARD
 AT
 ORANGE TERRACE PARKWAY
 PROJECT NO. X-334
 SHEET 71 OF 106
 FILE NO. 87-10058
 HORIZ. SCALE: 1" = _____ VERT. SCALE: 1" = _____

File with R-2971

INDEXED 12-9-92