

GENERAL NOTES

- 1 - Detector loops shall be installed in the presence of the Traffic Engineer or his representative.
- 2 - All signing, striping, and pavement marking requirements shall be completed at least one day prior to turn-on.
- 3 - Typical detector loop spacing: 10' and 15' (where applicable).
- 4 - See Plan R-1948 for street improvements.

CONSTRUCTION NOTES

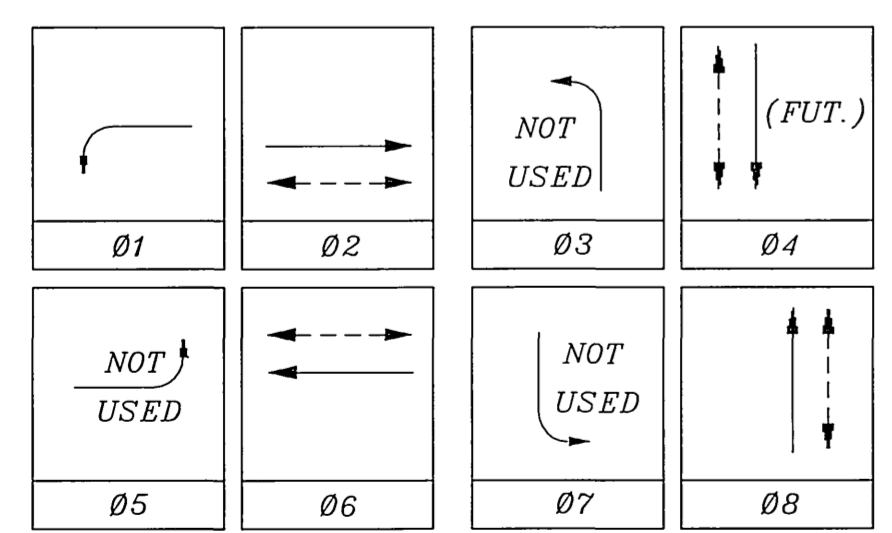
- 1 - Abandon existing conduit (except interconnect). Remove and do not reuse conductors. Remove abandoned pullboxes and replace surface material at grade.
- 2 - Remove foundations completely and replace surface material at grade.

PAVEMENT DELINEATION

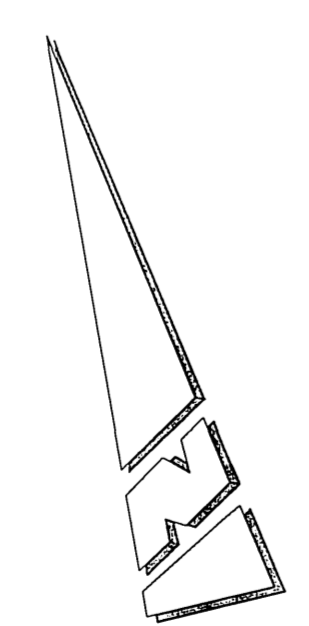
- Indicates striping and pavement markings to be installed.
- Indicates striping and pavement markings to remain.
- Indicates striping and pavement markings to be removed.

NOTE: All pavement delineation work shall be performed by City of Riverside forces; See Special Provisions.

PHASE DIAGRAM

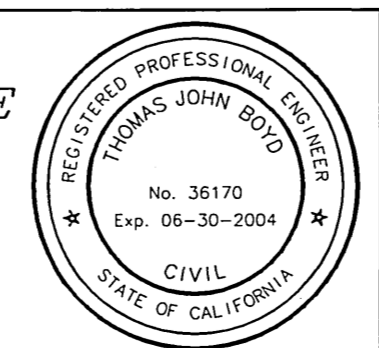


FLASHING OPERATION SHALL BE ALL RED.



IMPORTANT NOTICE
 Section 41312 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid. For your Dig Alert ID Number call CALL TOLL FREE TWO WORKING DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

ENGINEER IN RESPONSIBLE CHARGE
 THOMAS J. BOYD
 R.C.E. No. 36170 expires 6/30/04
 DATE 11/9/00



MARK	REVISIONS	APPR	DATE
	DESIGNED BY: MAC	DRAWN BY: MAC	CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: [Signature] DATE: 11/16/00
 DEPUTY P.W. DIR./ENGR.
 P.W. INSPECTION: [Signature] DATE: 11/16/00
 CHIEF P.W. ENGR.
 PUBLIC UTILITIES

TRAFFIC SIGNAL MODIFICATION
ARLINGTON AVE.
 @
LA SIERRA AVE.
 SCALE: 1" = 20'

ACCT. NO. 9534427152-44022300
X-353
 SHEET 1 OF 2
 FILE NAME: X353-2A.DWG

EQUIPMENT SCHEDULE

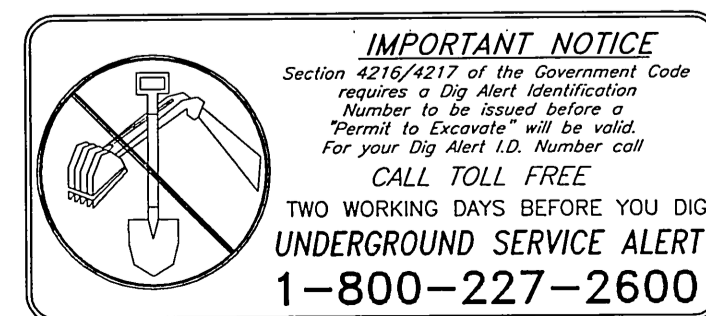
NO.	SIGNAL STANDARD			LUMINAIRE		I.I.S.N.S.	SIGNAL MOUNTINGS			PPB
	TYPE	H'GHT	M.A.	L.A.	H.P.S.V.	LEGEND	VEHICLE	PEDESTRIAN	AUDIBLE	PHASE
(A)	23-3-80(E)	17'	40'(E)			LA SIERRA(N) ^{AV} ₆₃₀₀	MAS(E)			
							MAS(E)			
							SV-2-TB(E)			
(B)	16-2-80(E)	17'	15'(E)			ARLINGTON(E) ^{AV} ₁₁₁₀₀	MAS(E)			
							SV-2-TB(E)	SP-1-T(E)		8
(C)	19-2-80(E)	30'	25'(E)	12'(E)	250W(E)	LA SIERRA(E) ^{AV} ₆₃₀₀	MAS(E)			
							SV-1-T(N)	SP-1-T(N)		8
(D)	1A(N)	10'					TV-1-T(N)	SP-1-T(N)		2
(E)	TYPE 15(E)	30'		12'(E)	250W(E)		SV-1-T(N)			2
(F)	1A(N)	10'					TV-2-T(N)	SP-1-T(N)		

- NOTES:**
1. ALL VEHICULAR HEADS SHALL HAVE 12" LENSES.
 2. ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
 3. PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.

CONDUCTOR TABLE

CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS					
		#1	#2	#3	#4	#5	#6
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA	1	2	2	3	1	1
	9 WIRE IMSA			1	3	1	
	5 WIRE IMSA						
	3 WIRE IMSA	1	2	3	6	2	1
DETECTOR CABLE	#16/2						
PHASE 1		1	1	1	1		
PHASE 2				2	2		
PHASE 3							
PHASE 4					1	1	1
PHASE 5		1	1	1	1		
PHASE 6,					2	2	
PHASE 7							
PHASE 8				1	1		
I.I.S.N.S.	#12		2	2		2	2
LUMINAIRES	#8		2	2		2	2
SIGNAL SERVICE	#6			2	2		
VEHICLE PRE-EMPTION	#20	1	1	1	2	1	1
CONDUIT SIZE		2"	3"	3"	2-3"	3"	3"

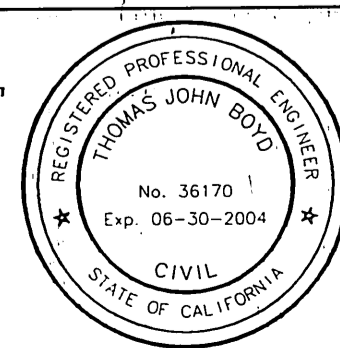
NOTE: 1. SIGNAL SYSTEM SHALL HAVE NEW CABLES AND CONDUCTORS.



ENGINEER IN RESPONSIBLE CHARGE

Thomas J. Boyd

THOMAS J. BOYD
R.C.E. No. 36170 expires 6/30/04
DATE 4/9/00



MARK REVISIONS APPR. DATE

DESIGNED BY: MAC DRAWN BY: MAC CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
<i>R. M. Smith</i>	<i>RM</i>	4/11/00
DEPUTY P.W. DIR./ENGR.		
TRAFFIC DIVISION		
CHIEF P.W. ENGR.		
PUBLIC UTILITIES		

DATE 11-16-2000

TRAFFIC SIGNAL MODIFICATION

ARLINGTON AVE.
@
LA SIERRA AVE.

SCALE: 1" = 20'

ACCT. NO. 9534427152-44022300

X-353

SHEET 2 OF 2

FILE NAME: X353-3A.DWG

CONDUCTOR SCHEDULE

CONTROL FUNCTION	CONDUCTORS		RUNS						
	SIZE	INSULATION	1	2	3	4	5	6	7
VEHICLE HEADS	#14	T.W.	-	-	-	-	-	-	-
PHASE 1				3	3	3	6	3	
PHASE 2				3	3	3	3		
PHASE 4				3	3	3	3		
PHASE 6							3	3	3
PHASE 8				3	3	3	6	3	3
PED. HEADS									
PHASE 2				2	2	2	2		
PHASE 8				2	2	2	4	2	2
PED PUSH BUTTON									
PHASE 2				1	1	1	1		
PHASE 8				1	1	1	2	1	1
PHASE 2 (BIKE BUTTON)					1	1	1		
SPARES				3	3	3	6	3	3
12V COMMON				1	1	1	2	1	1

DETECTORS	#12/2	P.E.						
PHASE 1						2	2	2
PHASE 2					2	2		
PHASE 4					1	1		
PHASE 6					2	2	2	1
PHASE 8				2	2	2	2	

I.I.S.N.S.	#12	T.W.	2	2	2		2	
120V COMMON	#10	T.W.	1	1	1	2	1	1
LUMINAIRES	#8	T.H.W.	2	2	2			
SIGNAL SERVICE	#6	T.H.W.				2		
INTERCONNECT (FUT.)	#19/2	P.E.						

TOTAL	#14	T.W.	19	23	23	39	16	13	3
	#12	T.W.	2	2	2		2		
	#10	T.W.	1	1	1	2	1	1	
	#8	T.H.W.	2	2	2				
	#6	T.H.W.				2			
	#12/2	P.E.	2	2	4	9	5	4	3
	#19/2	P.E.							

#14 EQUIV.	33.5	37.5	43.5	77	34.9	26.5	12
CONDUIT SIZE	2 1/2"	2 1/2"	2 1/2"	2", 3"	2 1/2"	2"	2"

POLE SCHEDULE

No.	STANDARD				LUM. HPSV	I.S.N.S. LEGEND	SIGNAL HEAD	SIGNAL MOUNTING		PPB PHASE	REMARKS
	TYPE	HGT.	SIG. M.A.	LUM. M.A.				VEHICLE	PED		
(A)	27-3-80	30'	40'			LA SIERRA ₆₃₀₀ AV	1W3C	MAS			
							2W3C	SV-2-TB			
(B)	16-2-80	17'	15'			ARLINGTON ₁₁₁₀₀ AV	1W3C	MAS			
							2W3C	SV-2-TB	SP-1-T	8	
(C)	19-2-80	30'	25'	12'	250W	LA SIERRA ₆₃₀₀ AV	1W3C	MAS			
							2W3C	SV-3-TB	SP-2-T	2,8	
(D)	TYPE 15	30'		12'	250W		3W3C	SV-3-TB	SP-1-T	2	

1. The 1A standards are aluminum.
2. All vehicular heads have 12" lenses.
3. Left-turn heads have all arrows.
4. Luminaires are High Pressure Sodium Vapor.

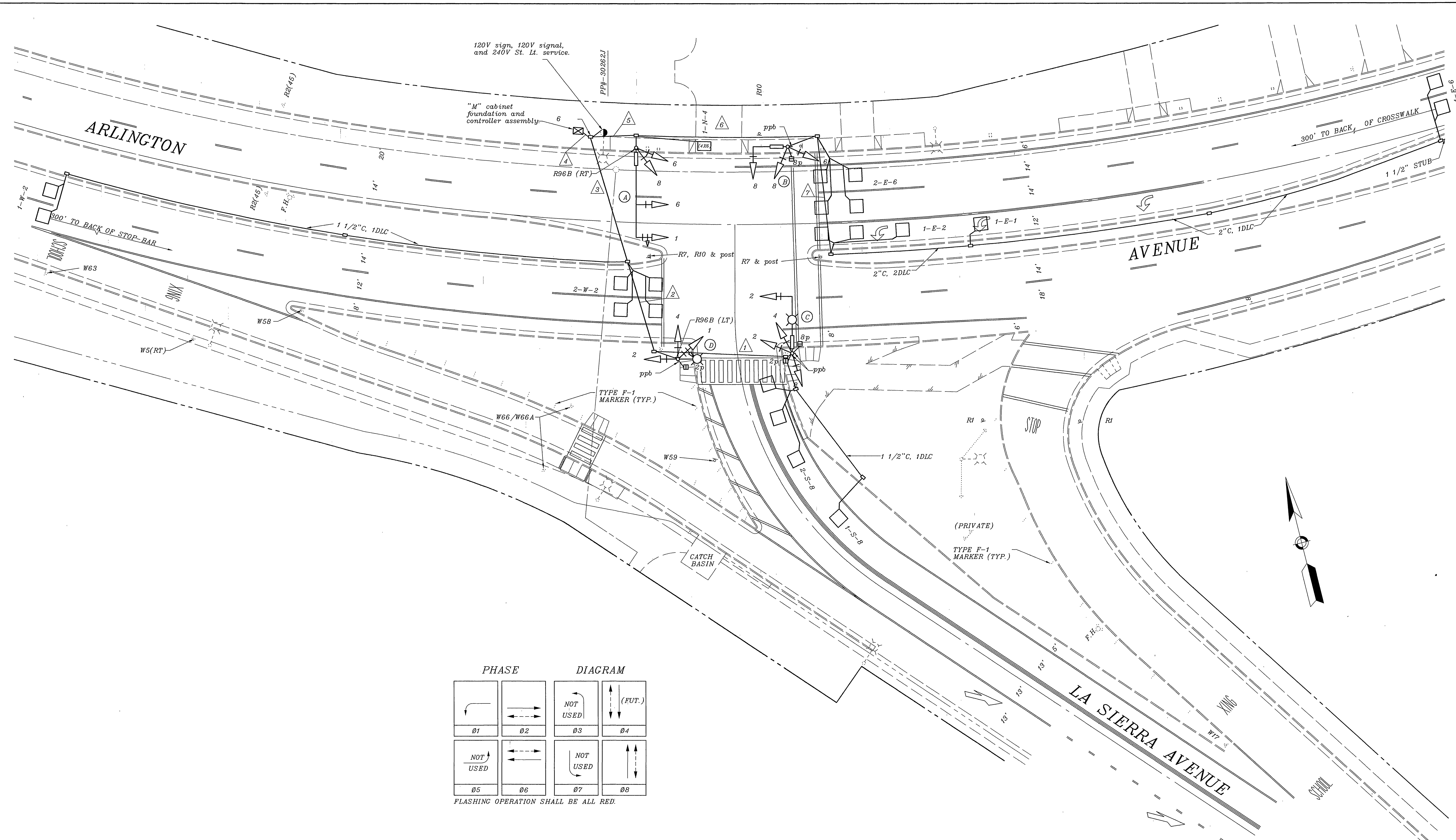
DETECTOR SCHEDULE

CHANNELS	LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
1	1-E-1	1	●
2	2-E-1	3	
1	1-E-6	2	● ■
2	2-E-6	4	*
1	1-S-8	1	●
2	2-S-8	3	
1	1-W-2	2	● ■
2	2-W-2	4	*
1	1-N-4	1	▲
2	BLANK		

- SAMPLING (future)
- CALL-HOLD (extension)
- ▲ DELAY
- * DETECTOR DISCONNECT

1. Detectors are 2-channel rack-mounted.
2. Detector timing features is accomplished thru internal logic of the controller.
3. Detector loops with special features also detect for normal operation.

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS				TRAFFIC SIGNALS		ACCT. NO.
APPROVED BY		BY	DATE	APPROVED BY		ARLINGTON AVE. AND LA SIERRA AVE.
PRINCIPAL ENGINEER				DIRECTOR OF PUBLIC WORKS		
AS-BUILT PER SIGNALIZATION		MAC	1/12/84	P.W. INSPECTION		SHEET 2 OF 2
MARK		REVISIONS	APPR. DATE	TRAFFIC DIVISION		
DESIGNED BY		DRAWN BY		CHECKED BY		FILE NO.
DATE		DATE		DATE		
				HORIZ. SCALE: 1" = 20'		VERT. SCALE: 1" =



PHASE	DIAGRAM		
Ø1			
Ø2			
Ø3			
Ø4			
Ø5			
Ø6			
Ø7			
Ø8			

FLASHING OPERATION SHALL BE ALL RED.

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS				TRAFFIC SIGNALS ARLINGTON AVE. AND LA SIERRA AVE.		ACCT. NO. X-353
APPROVED BY		BY	DATE	APPROVED BY		
PRINCIPAL ENGINEER				DIRECTOR OF PUBLIC WORKS		
AS-BUILT PER SIGNALIZATION		MAC	1/12/04	P.W. INSPECTION		
MARK		REVISIONS	APPR. DATE	TRAFFIC DIVISION		
DESIGNED BY		DRAWN BY	CHECKED BY	CHIEF P.W. ENGR.		
				PUBLIC UTILITIES		
				DATE		
				HORIZ. SCALE: 1" = 20'		FILE NO.
				VERT. SCALE: 1" =		
				SHEET 1 OF 2		