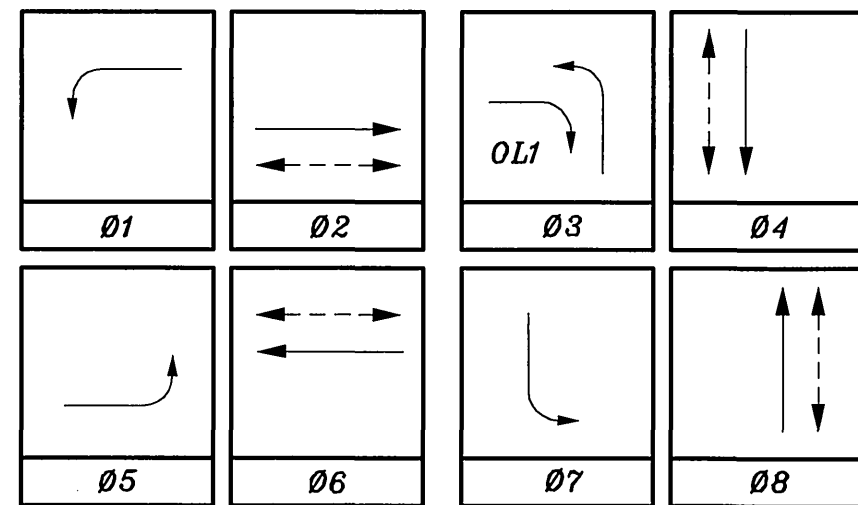


PHASE DIAGRAM

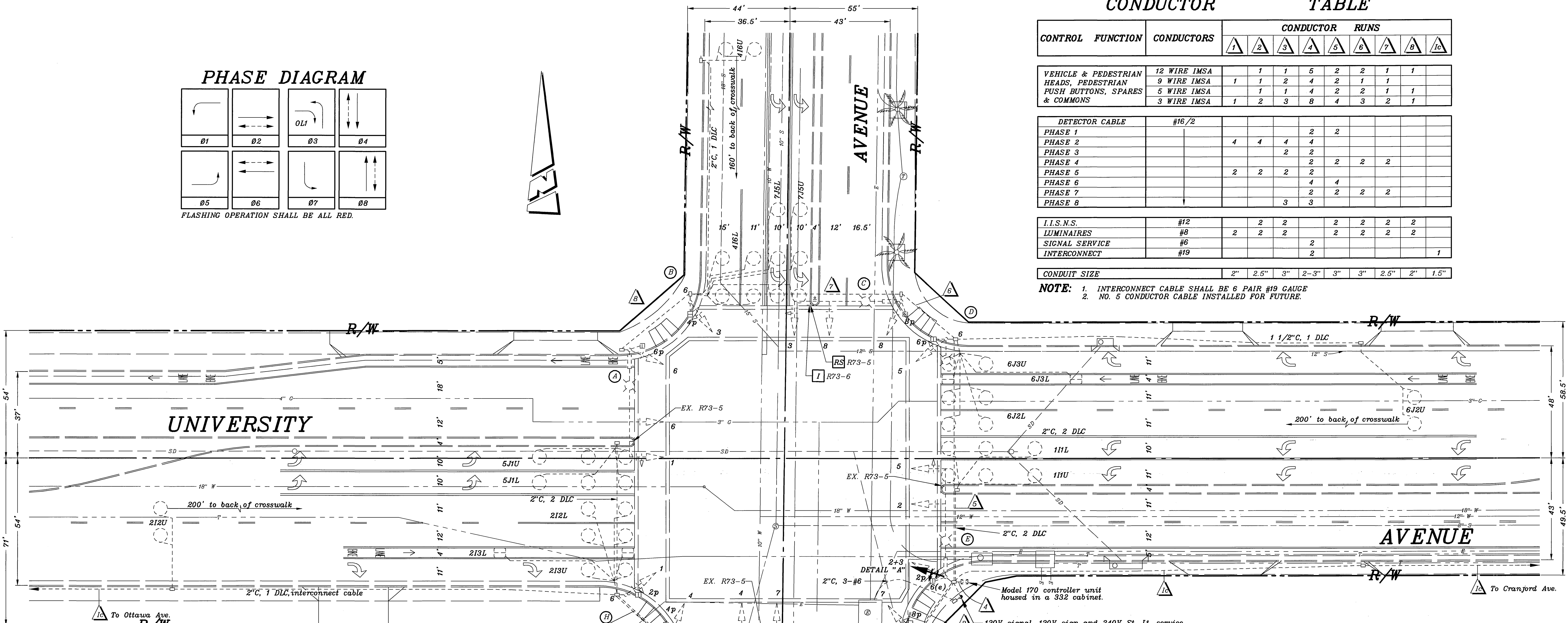


FLASHING OPERATION SHALL BE ALL RED.

CONDUCTOR TABLE

CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS								
		1	2	3	4	5	6	7	8	9
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA 9 WIRE IMSA 5 WIRE IMSA 3 WIRE IMSA	1	1	5	2	2	1	1		
DETECTOR CABLE	#16/2									
PHASE 1				2	2					
PHASE 2		4	4	4	4					
PHASE 3				2	2					
PHASE 4				2	2	2	2			
PHASE 5		2	2	2	2					
PHASE 6				4	4					
PHASE 7				2	2	2	2			
PHASE 8				3	3					
I.I.S.N.S.	#12		2	2		2	2	2	2	
LUMINAIRES	#8	2	2	2		2	2	2	2	
SIGNAL SERVICE	#6			2						
INTERCONNECT	#19			2						1
CONDUIT SIZE		2"	2.5"	3"	2-3"	3"	3"	2.5"	2"	1.5"

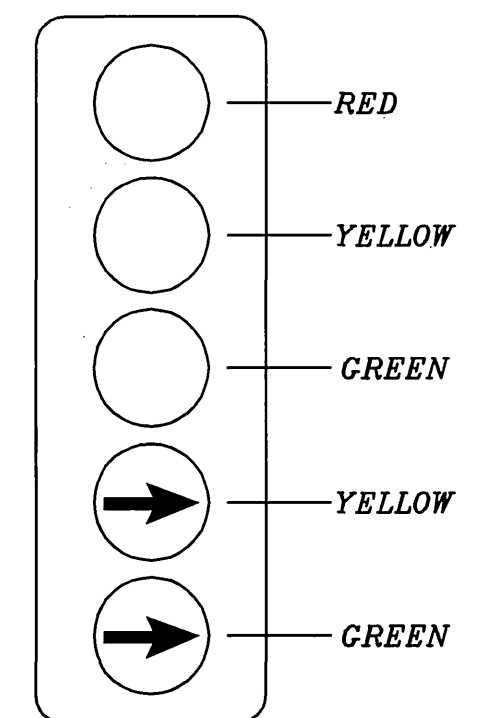
NOTE: 1. INTERCONNECT CABLE SHALL BE 6 PAIR #19 GAUGE
2. NO. 5 CONDUCTOR CABLE INSTALLED FOR FUTURE.



EQUIPMENT SCHEDULE

NO.	SIGNAL STANDARD			LUMINAIRE		I.I.S.N.S. LEGEND	SIGNAL MOUNTINGS			PPB PHASE	REMARKS
	TYPE	H'GHT	M.A.	M.A.	H.P.S.V.		VEHICLE	PEDESTRIAN	AUDIBLE		
(A)	26-4-80	30'	45'	12'	250W	CHICAGO	2-MAS SV-1-T	SP-1-T	((C))	4	
(B)	1A	10'					TV-1-T	SP-1-T	((P))	6	
(C)	26-4-80	30'	45'	12'	250W	UNIVERSITY	2-MAS SV-1-T	SP-1-T	((P))	6	
(D)	TYPE 15	30'		12'	250W		SV-1-T	SP-1-T	((C))	8	
(E)	26-4-80	30'	45'	12'	250W	CHICAGO	2-MAS (N) SV-1-T	SP-1-T	((C))	8	REMOVE/SALVAGE EX. 3-SECTION NEW SV-1-T, SEE DETAIL "A"
(F)	1A	10'					TV-1-T	SP-1-T	((P))	2	
(G)	26-4-80	30'	45'	12'	250W	UNIVERSITY	2-MAS SV-1-T	SP-1-T	((P))	2	
(H)	TYPE 15	30'		12'	250W		SV-1-T	SP-1-T	((C))	4	

(N) = NEW EQUIPMENT TO BE INSTALLED
NOTE: EXISTING EQUIPMENT THAT IS BEING REPLACED MUST BE SALVAGED TO CITY YARD.



DETAIL "A"

CONSTRUCTION NOTES

- Contractor to install a new 12-CSC from existing controller to pole "E" for new 5-section indication.
 - Remove and salvage existing 3-section indication from pole "E" to City of Riverside yard.
 - Install new 5-section indication on pole "E". Provide appropriate mounting brackets and equipment.
 - Contractor shall provide auxiliary equipment and appurtenances to provide the intended operation.
- RS Remove and salvage existing equipment.
I Install new equipment as noted.

ENGINEER IN RESPONSIBLE CHARGE
GILBERT M. HERNANDEZ
R.C.E. No. 69170 expires 6-30-08
DATE 2-23-07

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: MAC DRAWN BY: DMC CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: GILBERT M. HERNANDEZ
PRINCIPAL ENGINEER
TRAFFIC DIVISION
DATE 2/23/07

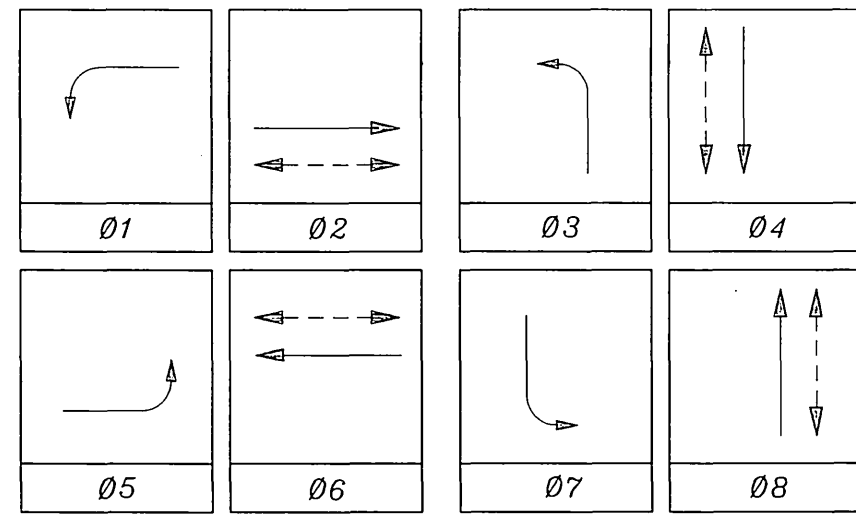
TRAFFIC SIGNAL
CHICAGO AVENUE @ UNIVERSITY AVENUE

ACCT. NO. X-132A
SHEET 1 OF 1
FILE NAME: X132.DWG
SCALE: 1" = 20'

DETECTOR SCHEDULE

LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
1HU	3	
11L	3	
212U	2	
212L	4	
213U	2	▲
213L	2	
315U	3	
315L	3	
4J6U	2	
4J6L	4	
5J1U	3	
5J1L	3	
6J2U	2	
6J2L	4	
6J3U	2	▲
6J3L	2	
7J5U	3	
7J5L	3	
8J6U	2	
8J6L	4	
8J7U	2	▲

PHASE DIAGRAM



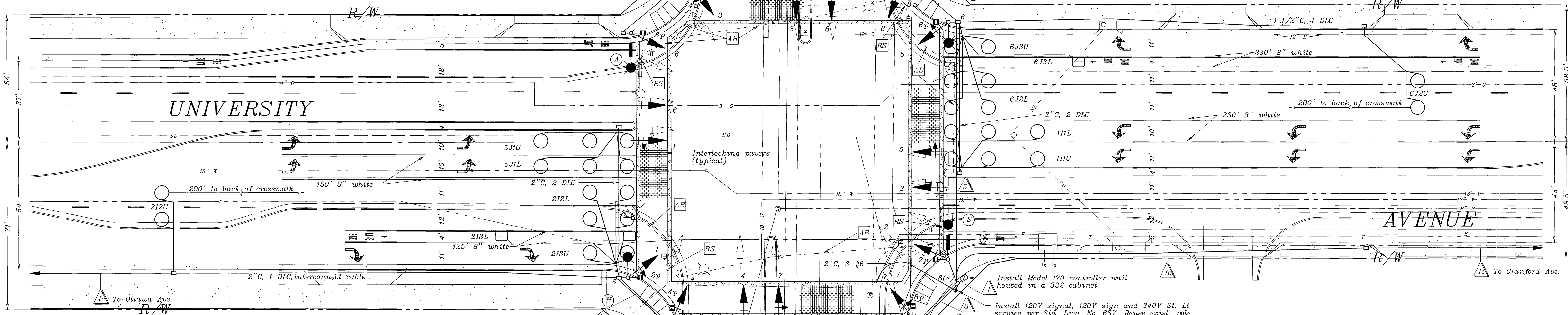
FLASHING OPERATION SHALL BE ALL RED.

▲ DELAY
Detectors shall be 2-channel rack-mounted.

CONDUCTOR TABLE

CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS								
		1	2	3	4	5	6	7	8	9
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA 9 WIRE IMSA 5 WIRE IMSA 3 WIRE IMSA	1	1	2	4	2	2	1	1	
DETECTOR CABLE	#16/2				2	2				
PHASE 1			4	4	4	4				
PHASE 2				2	2					
PHASE 3					2	2	2	2		
PHASE 4										
PHASE 5			2	2	2	2				
PHASE 6					4	4				
PHASE 7					2	2	2	2		
PHASE 8					3	3				
I.I.S.N.S.	#12		2	2		2	2	2	2	
LUMINAIRES	#8		2	2	2		2	2	2	
SIGNAL SERVICE	#6					2				
INTERCONNECT	#19				2					1
CONDUIT SIZE		2"	2.5"	3"	2-3"	3"	3"	2.5"	2"	1.5"

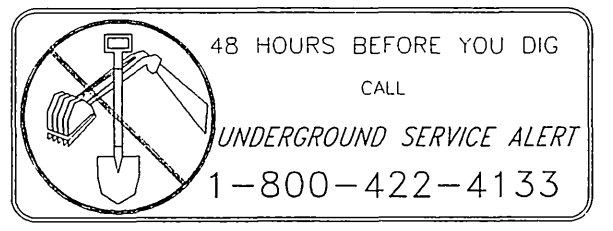
NOTE: 1. SIGNAL SYSTEM SHALL HAVE NEW CABLES AND CONDUCTORS.
2. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON I.M.S.A. CABLE.
3. INTERCONNECT CABLE SHALL BE 6 PAIR #19 GAUGE (SEE SPECIAL PROVISIONS).
4. NO. 5 CONDUCTOR CABLE INSTALLED FOR FUTURE.



EQUIPMENT SCHEDULE

NO.	SIGNAL STANDARD TYPE	LUMINAIRE H'GHT	LUMINAIRE M.A.	LUMINAIRE H.P.S.V.	I.I.S.N.S. LEGEND	SIGNAL MOUNTINGS			PPB PHASE	REMARKS		
						VEHICLE	PEDESTRIAN	AUDIBLE				
(A)	26-4-80(N)	30'	45'(N)	12'(N)	250W(R)	CHICAGO	AVE 3700	MAS(N) MAS(R) SV-1-T(R)	SP-1-T(N)	((C)) (N)	4(N)	SEE NOTE 4
(B)	1A(R)	10'						TV-1-T(N)	SP-1-T(N)	((P)) (N)	6(E)	SEE NOTE 4
(C)	26-4-80(N)	30'	45'(N)	12'(N)	250W(R)	UNIVERSITY	AVE 1600	MAS(R) MAS(R) SV-1-T(N)	SP-1-T(N)	((C)) (N)	6(N)	SEE NOTE 4
(D)	TYPE 15(N)	30'		12'(N)	250W(N)			SV-1-T(N)	SP-1-T(N)	((C)) (N)	8(R)	SEE NOTE 4
(E)	26-4-80(N)	30'	45'(N)	12'(N)	250W(R)	CHICAGO	AVE 3800	MAS(N) MAS(R) SV-1-T(R)	SP-1-T(N)	((C)) (N)	8(R)	SEE NOTE 4
(F)	1A(R)	10'						TV-1-T(N)	SP-1-T(N)	((P)) (N)	2(E)	SEE NOTE 4
(G)	26-4-80(N)	30'	45'(N)	12'(N)	250W(R)	UNIVERSITY	AVE 1700	MAS(R) MAS(R) SV-1-T(N)	SP-1-T(N)	((C)) (N)	2(N)	SEE NOTE 4
(H)	TYPE 15(N)	30'		12'(N)	250W(N)			SV-1-T(N)	SP-1-T(N)	((C)) (N)	4(R)	SEE NOTE 4

NOTES:
1. ALL NEW VEHICULAR HEADS SHALL HAVE 12" LENSES.
2. ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
3. ((C)) OR ((P)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED.
4. ((C)) INDICATES CUCKOO SOUND; ((P)) INDICATES PEEP-PEEP SOUND.
5. EQUIPMENT NOT TO BE REUSED SHALL BE SALVAGED.
6. PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.
7. SALVAGED POLES ARE TYPE 19'S AND 26'S.



ENGINEER IN RESPONSIBLE CHARGE
Richard D. McGrath
R.C.E. No. 31952 expires 12-31-96
DATE 6-30-95

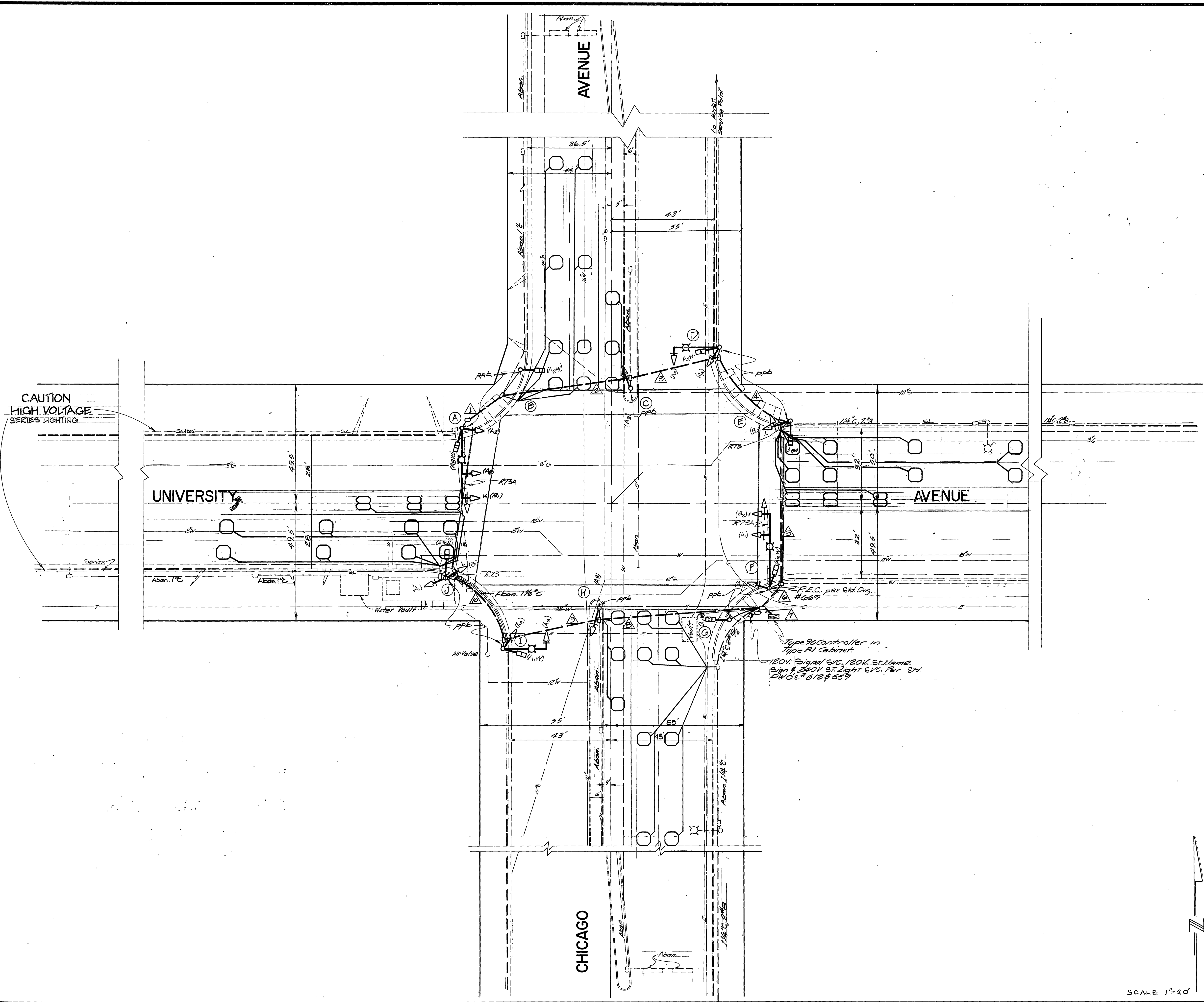


ENCROACHMENT PERMIT NO. 08-95-N-MC-0240

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', 15', and 30' (where applicable).
- 4 - See Plan R-3271 for street improvements.
- 5 - See Plan XL-341 for interconnect installation not shown hereon.
- 6 - Pavement delineation shown hereon is for reference only. See Plan XL-341 for installation and removal of pavement delineation and signing.

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		TRAFFIC SIGNAL REVISION		ACCT. NO. 430-541600-440302-35023
APPROVED BY	DATE	CHICAGO AVENUE @ UNIVERSITY AVENUE		X-132
PRINCIPAL ENGINEER	7/3/95			SHEET 1 OF 1
P.W. INSPECTION	6/21/95			FILE NAME: X132.DWG
TRAFFIC DIVISION	6/21/95			
CHIEF P.W. ENGR.	6/21/95			
PUBLIC UTILITIES	6/21/95			
DESIGNED BY	MAC	SCALE: 1" = 20'		
DRAWN BY	MAC			
CHECKED BY	MAC			



CAUTION
HIGH VOLTAGE
SERIES LIGHTING

UNIVERSITY

AVENUE

CHICAGO

Type 90 Controller in
Type R1 Cabinet.
120V. Signal S/C, 120V. St. Name
Sign & 240V St. Light S/C. Per. S/C.
DWG's # 612 & 659

REVISIONS			CITY OF RIVERSIDE (CALIFORNIA) DEPARTMENT OF PUBLIC WORKS	
MARK	DATE	DESCRIPTION	TRAFFIC SIGNALS	
		Signal As Built	J.M.K.	
		Signal Revisions	J.M.K.	
		Signal as built	A.B.D.	
		AS-BUILT PER CONTRACT		
		REVISIONS PER CONTRACT		
		REVISIONS PER CONTRACT		
DESIGNED BY			CHECKED BY	APPROVED BY
DRAWN BY <i>RMP</i>				
RECOMMENDED BY			DIRECTOR OF PUBLIC WORKS	
				X-132
				EN. 1 1/2 2

SCALE: 1/4" = 1'-0"