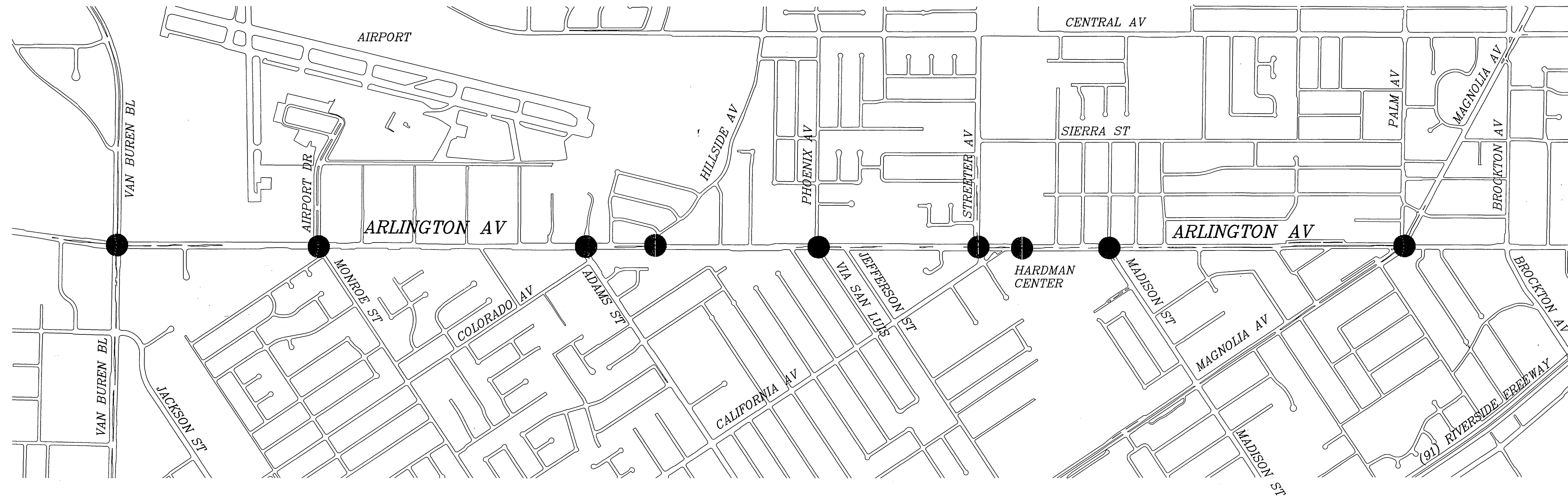


RIVERSIDE



CALIFORNIA

PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION



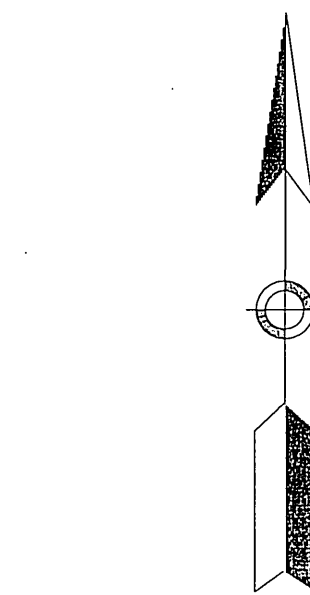
ARLINGTON AVENUE

INDEX OF SHEETS

DRAWING NO.	LOCATION	SHEET
X-402B	COVER SHEET	1
X-402B	ARLINGTON AV. - VAN BUREN BL TO MAGNOLIA AV. (TRAFFIC SIGNAL SYSTEM INTERCONNECT)	2
X-402B	ARLINGTON AV. - VAN BUREN BL TO MAGNOLIA AV. (TRAFFIC SIGNAL SYSTEM INTERCONNECT)	3
X-402B	ARLINGTON AV. - VAN BUREN BL TO MAGNOLIA AV. (TRAFFIC SIGNAL SYSTEM INTERCONNECT)	4
X-402A	ARLINGTON AV. @ STREETER AV./CALIFORNIA AV. (TRAFFIC SIGNAL MODIFICATION)	5
X-433A	ARLINGTON AV. @ MONROE ST./AIRPORT DR. (TRAFFIC SIGNAL MODIFICATION)	6
X-130B	UNIVERSITY AV. - PARK AV. TO OTTAWA AV. (TRAFFIC SIGNAL SYSTEM INTERCONNECT)	7

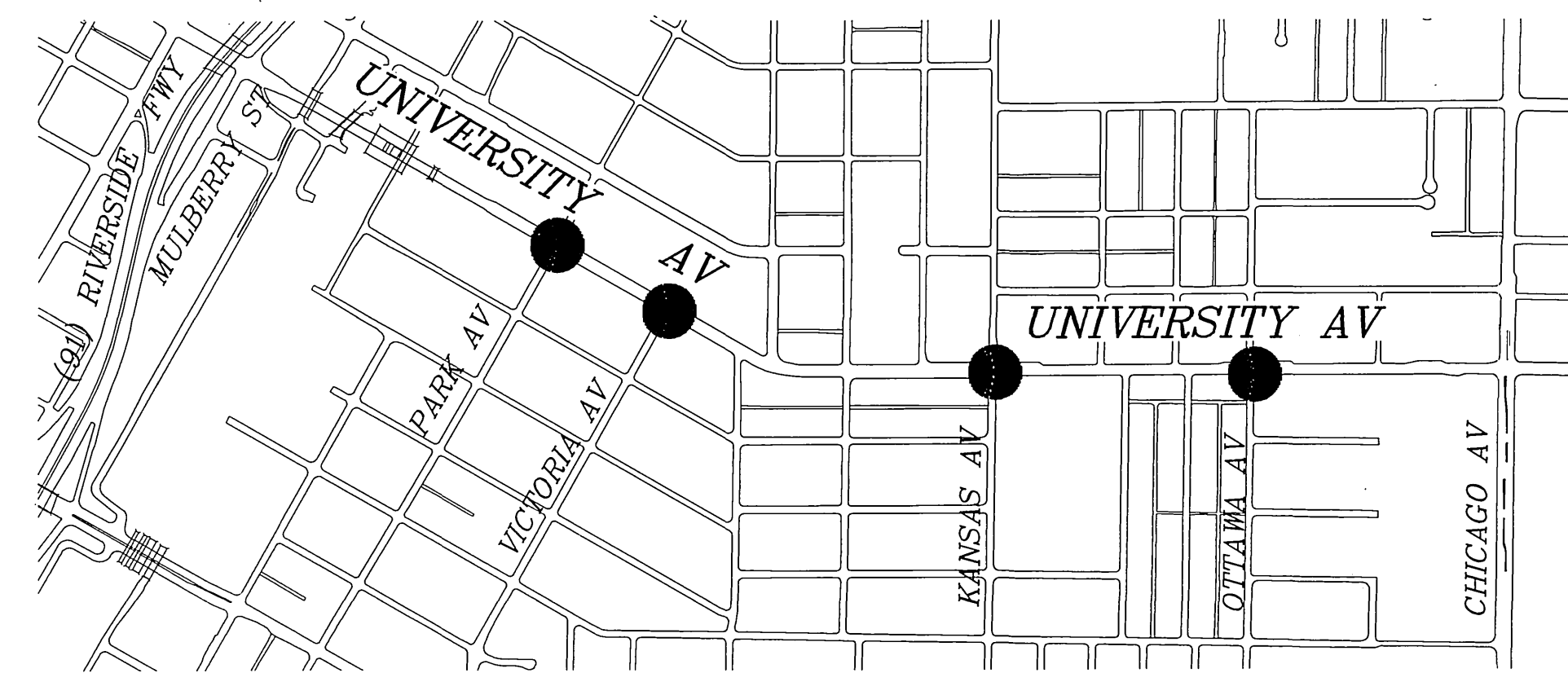
THE FOLLOWING PLANS ARE FOR REFERENCE ONLY:

DRAWING NO.	LOCATION	SHEET
X-212	ARLINGTON AV. @ MAGNOLIA AV.	8
X-400	ARLINGTON AV. @ MADISON ST.	9
X-401	ARLINGTON AV. @ VAN BUREN BL.	10
X-418A	ARLINGTON AV. @ ADAMS ST.	11
X-439	ARLINGTON AV. @ PHOENIX AV.	12
X-453	ARLINGTON AV. @ HILLSIDE AV.	13
X-464	ARLINGTON AV. @ HARDMAN CENTER	14
X-126A	UNIVERSITY AV. @ PARK AV.	15
X-129A	UNIVERSITY AV. @ OTTAWA AV.	16
X-130	UNIVERSITY AV. @ KANSAS AV.	17
X-132	UNIVERSITY AV. @ CHICAGO AV.	18
X-441A	UNIVERSITY AV. @ VICTORIA AV.	19



PROJECT SITES

● - INDICATES PROJECT SITE



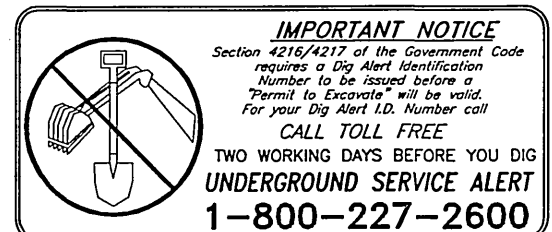
UNIVERSITY AVENUE

PROJECT LOCATION MAPS

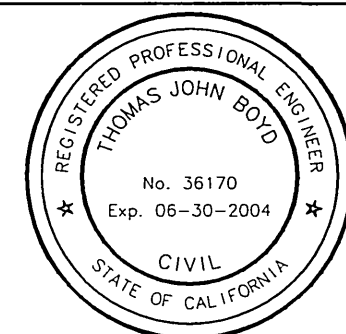
SCALE: 1"=800'

CONTRACT TE-98-4

FEDERAL AID PROJECT NO. CMLN-5058(023)
CONTRACTOR'S LICENSE REQUIREMENTS "A" OR "C-10"



ENGINEER IN RESPONSIBLE CHARGE
Thomas John Boyd
THOMAS JOHN BOYD
R.C.E. NO. 36170
DATE 9/21/00



MARK	REVISIONS	APPR.	DATE

DESIGNED BY: R.G.G. DRAWN BY: R.G.G. CHECKED BY: *RGM*

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *Richard McSwain*
PRINCIPAL ENGINEER
P.W. INSPECTION
TRAFFIC DIVISION
CHIEF P.W. ENGR.
PUBLIC UTILITIES

TRAFFIC SIGNAL COORDINATED SYSTEMS
ARLINGTON AV. SYSTEM
AND
UNIVERSITY AV. SYSTEM
SCALE: 1"=800'

ACCT. NO. 9705532711-4403000
X-402B
SHEET 1 OF 7
FILE NAME: X130B-1.DWG

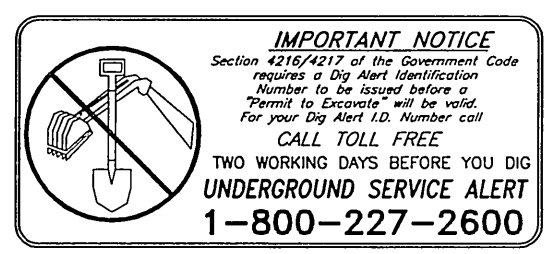


**CONSTRUCTION NOTES
(INTERCONNECT CABLE AND CONDUIT)**

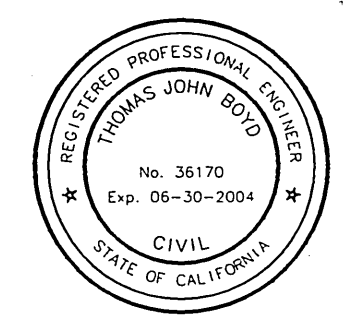
- (A)** (—) - INSTALL 6 PAIR #19 INTERCONNECT CABLE IN EXISTING CONDUIT.
- (F)** (---) - REMOVE EXISTING INTERCONNECT CABLE AND INSTALL 6 PAIR #19 INTERCONNECT CABLE IN EXISTING CONDUIT.

NOTES:

1. SEE C/R PLAN X-401 FOR INFORMATION ON EXISTING CONDUIT RUN.
2. SEE C/R PLAN X-418 FOR INFORMATION ON EXISTING CONDUIT RUN.
3. SEE C/R PLAN X-439 FOR INFORMATION ON EXISTING CONDUIT RUN.
4. SEE C/R PLAN X-453 FOR INFORMATION ON EXISTING CONDUIT RUN.
5. SEE C/R PLAN X-464 FOR INFORMATION ON EXISTING CONDUIT RUN.
6. SEE C/R PLAN X-212 FOR INFORMATION ON EXISTING CONDUIT RUN.
7. SEE C/R PLAN X-400 FOR INFORMATION ON EXISTING CONDUIT RUN.



ENGINEER IN RESPONSIBLE CHARGE
Thomas John Boyd
 THOMAS JOHN BOYD
 R.C.E. No. 36170
 DATE 9/21/00



MARK	REVISIONS	APPR.	DATE

**CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS**

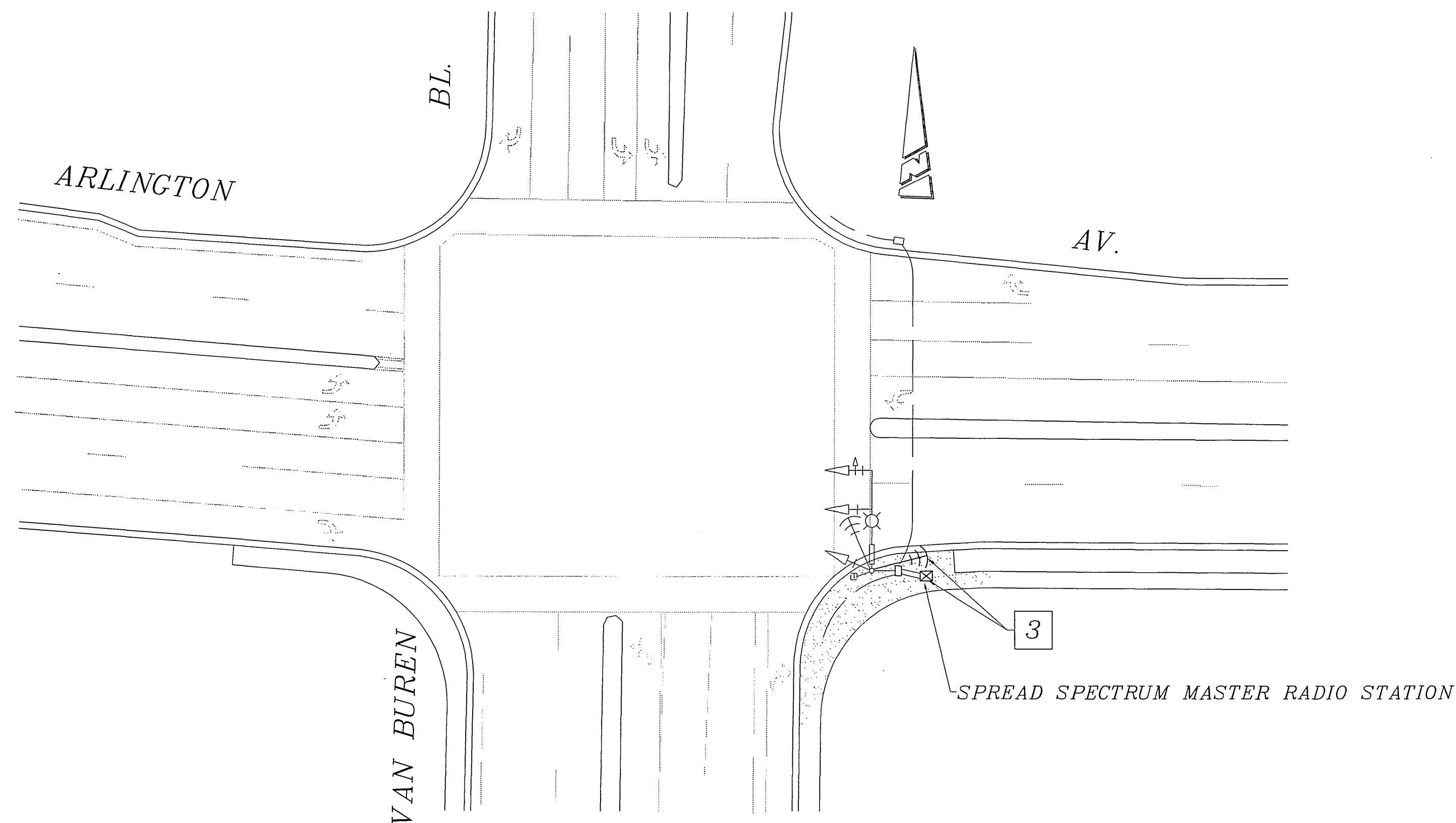
APPROVED BY	BY	DATE	APPROVED BY	DATE
PRINCIPAL ENGINEER	<i>R. M. Graft</i>	9/18/00	<i>R. M. Graft</i>	9/21/00
P.W. INSPECTION				
TRAFFIC DIVISION				
CHIEF P.W. ENGR				
PUBLIC UTILITIES				

TRAFFIC SIGNAL SYSTEM INTERCONNECT
ARLINGTON AVENUE
VAN BUREN BL TO
MAGNOLIA AV.

ACCT. NO. 9705532711-44030300
X-402B
 SHEET 2 OF 7
 FILE NAME: X402B-1.DWG

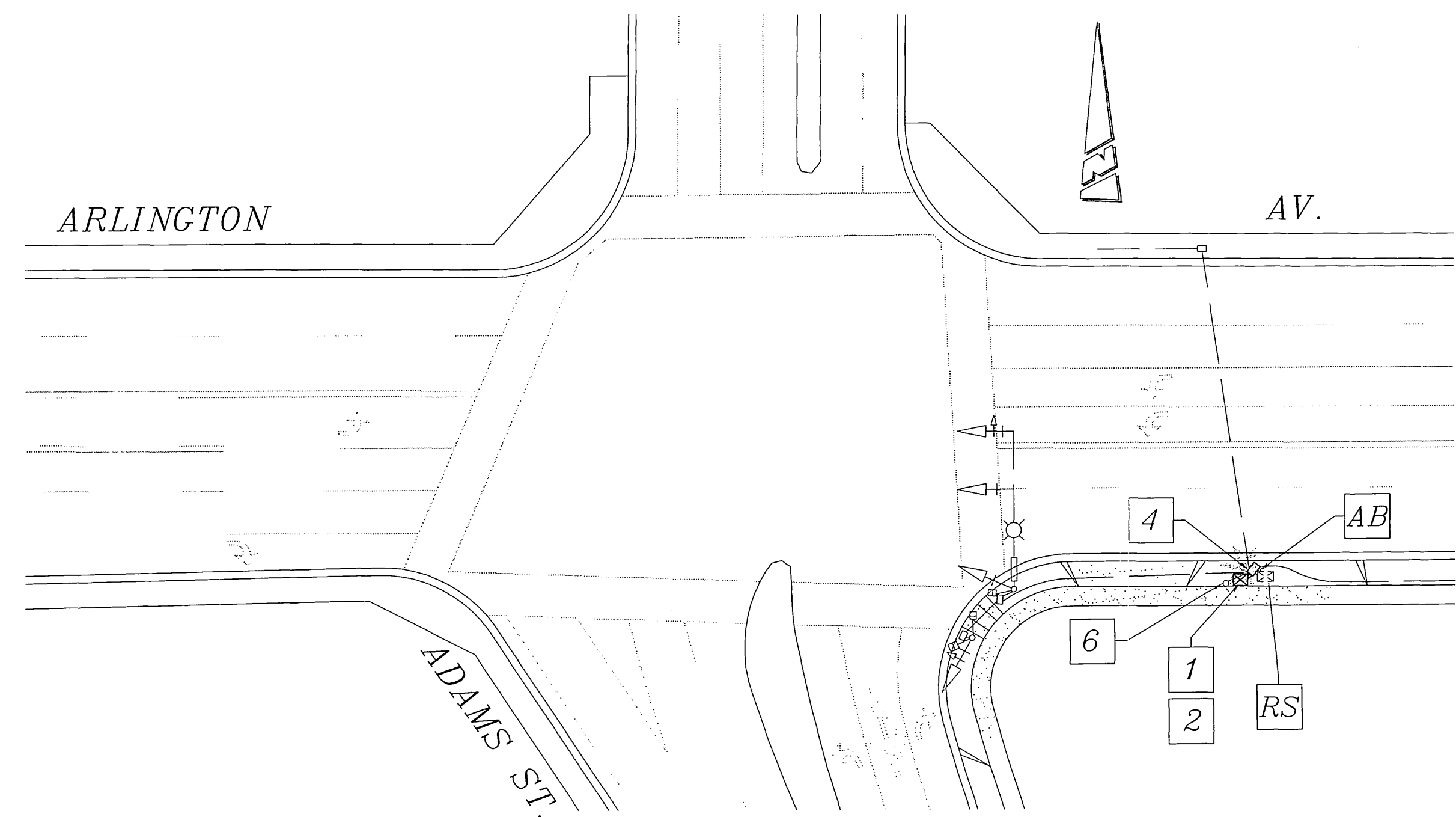
CONTRACT TE-98-4
FEDERAL AID PROJECT NO. CMLN-5058(023)
CONTRACTOR'S LICENSE REQUIREMENTS "A" OR "C-10"

SCALE: 1" = 200'



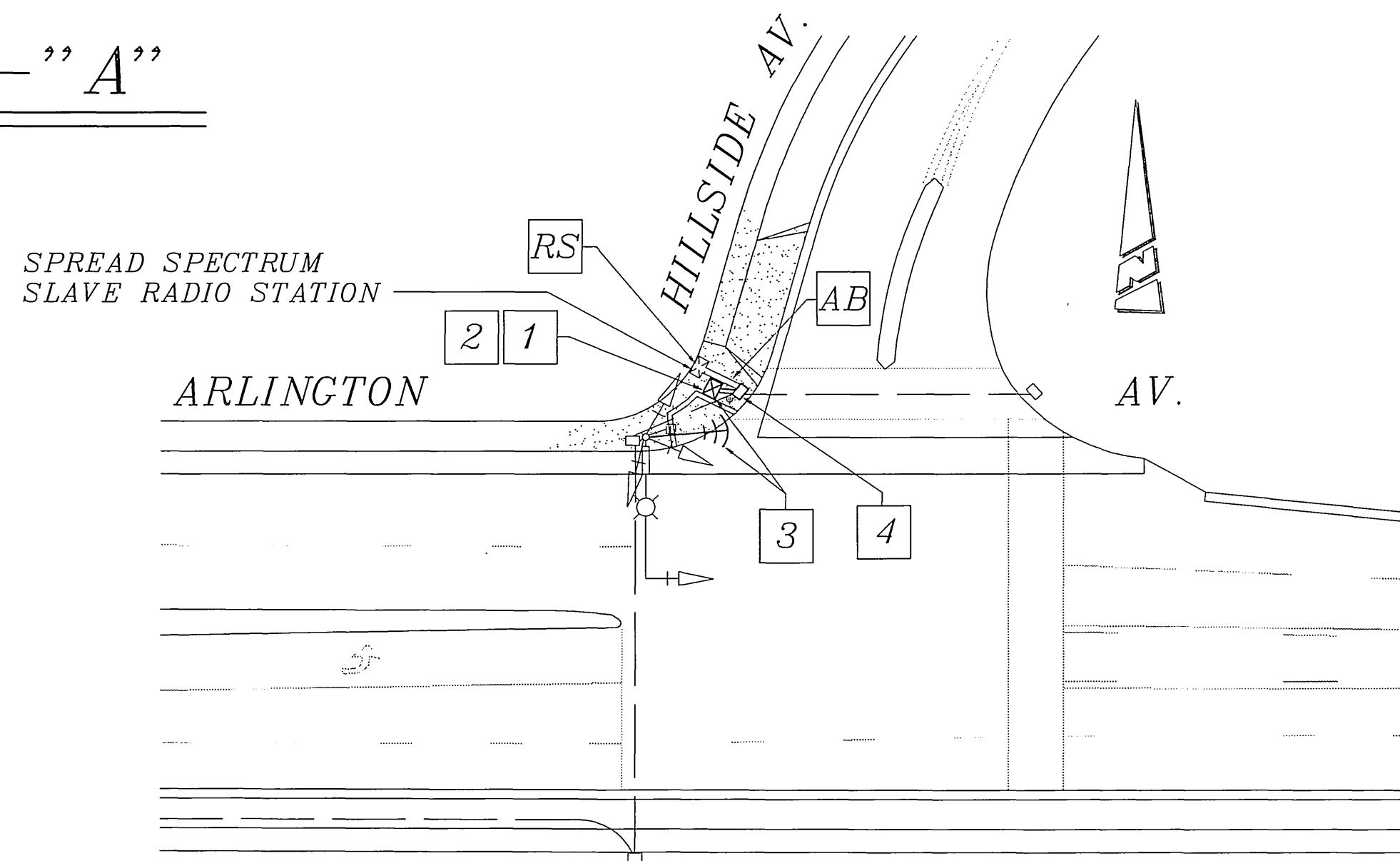
SEE C/R PLAN NO. X-401
FOR EXISTING INSTALLATION

DETAIL - "A"



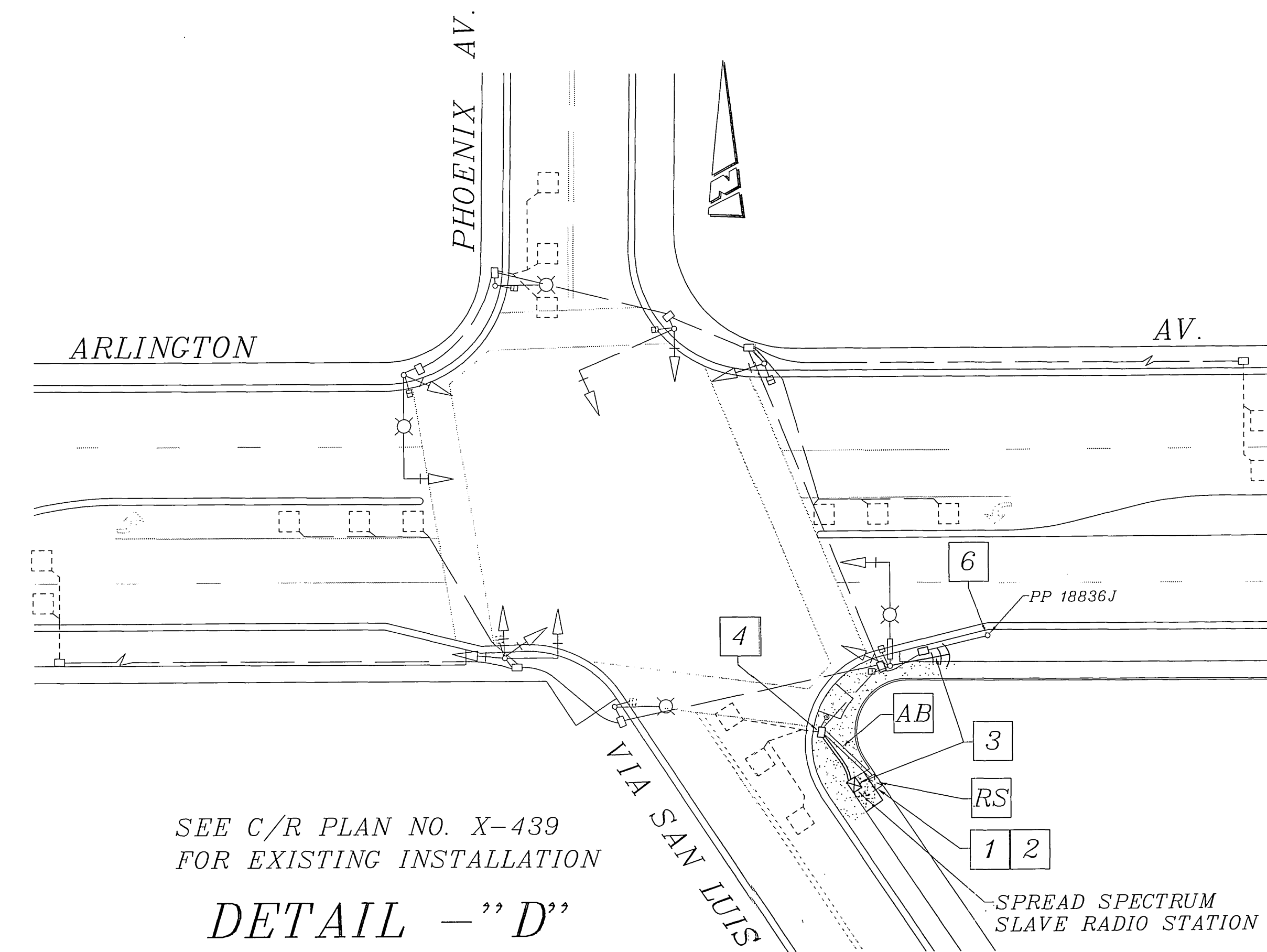
SEE C/R PLAN NO. X-418
FOR EXISTING INSTALLATION

DETAIL - "B"



SEE C/R PLAN NO. X-453
FOR EXISTING INSTALLATION

DETAIL - "C"



SEE C/R PLAN NO. X-439
FOR EXISTING INSTALLATION

DETAIL - "D"

CONSTRUCTION NOTES

- 1 - REMOVE AND SALVAGE EXISTING TYPE 90 CONTROLLER ASSEMBLY. REMOVE FOUNDATION. INSTALL MODEL 170E/332 CABINET ASSEMBLY ON NEW FOUNDATION.
- 2 - WITHDRAW EXISTING CABLES AND CONDUCTORS FROM EXISTING CONDUIT RUN, AND INSTALL EXISTING CABLES AND CONDUCTORS IN NEW CONDUIT RUN (2-3" CONDUIT), FROM #6(E) PULL BOX TO CONTROLLER CABINET.
- 3 - INSTALL FULLY OPERATIONAL SPREAD SPECTRUM RADIO EQUIPMENT. (SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION)
- 4 - REPLACE EXISTING #6 PULL BOX WITH NEW #6(E) PULL BOX.
- 6 - EXISTING SERVICE: INSTALL NEW BREAKER AND ENCLOSURE FOR 120V SIGNAL AND 240V ST. LT. SERVICE PER CITY OF RIVERSIDE STD. DWG. NO. 612.

CONTRACT TE-98-4

FEDERAL AID PROJECT NO. CMLN-5058(023)
CONTRACTOR'S LICENSE REQUIREMENTS "A" OR "C-10"



ENGINEER IN RESPONSIBLE CHARGE

THOMAS JOHN BOYD
R.C.E. No. 36170
DATE 9/24/00



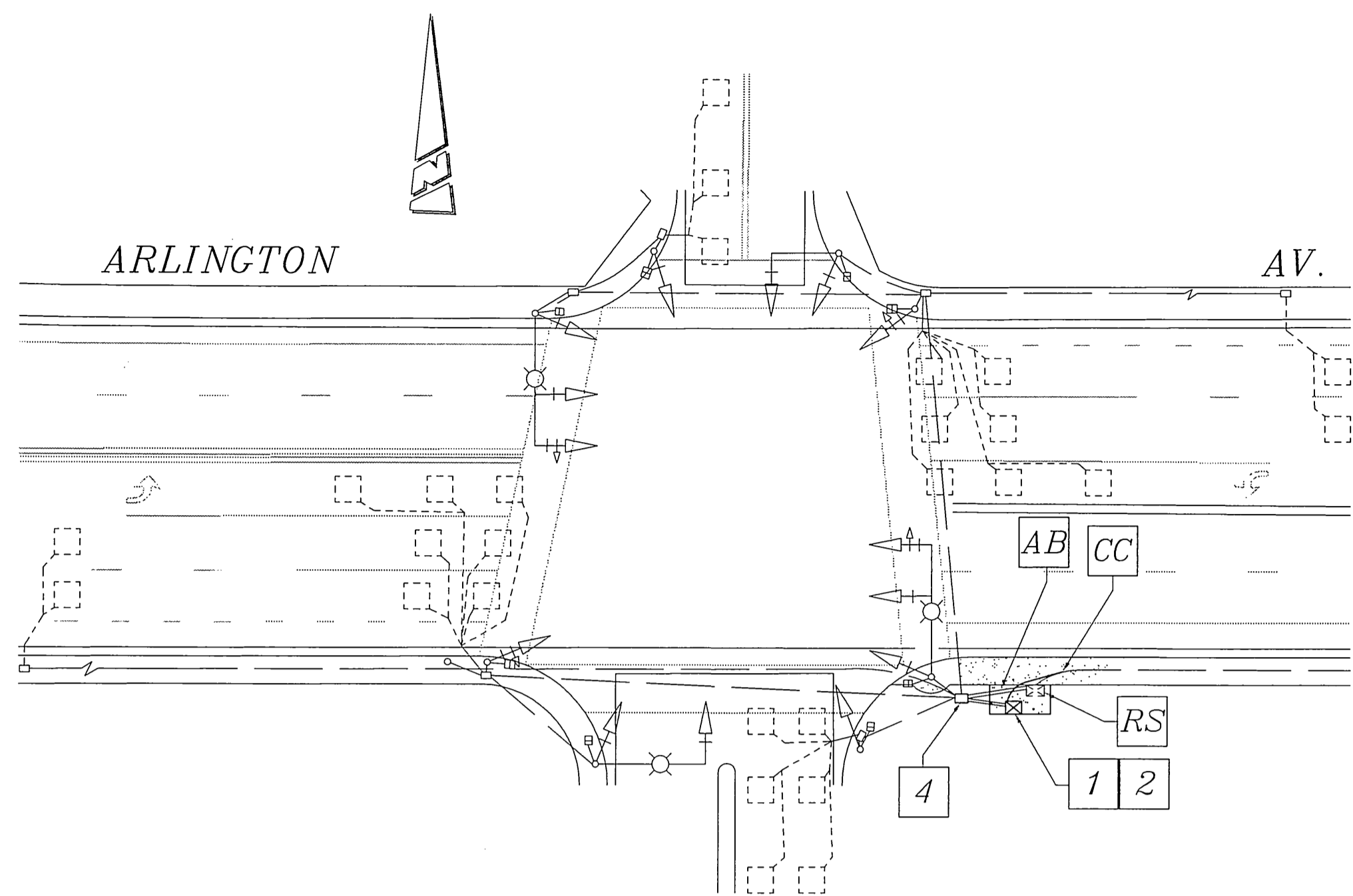
MARK	REVISIONS	APPR	DATE

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	<i>[Signature]</i>	8/18/00	<i>[Signature]</i>
P.W. INSPECTION		8/24/00	DIRECTOR OF PUBLIC WORKS
TRAFFIC DIVISION			
CHIEF P.W. ENGR.			
PUBLIC UTILITIES			

TRAFFIC SIGNAL SYSTEM INTERCONNECT
ARLINGTON AVENUE
VAN BUREN BL. TO
MAGNOLIA AV.

ACCT. NO.
9705532711-44030300
X-402B
SHEET 3 OF 7
FILE NAME: X402B-2.DWG

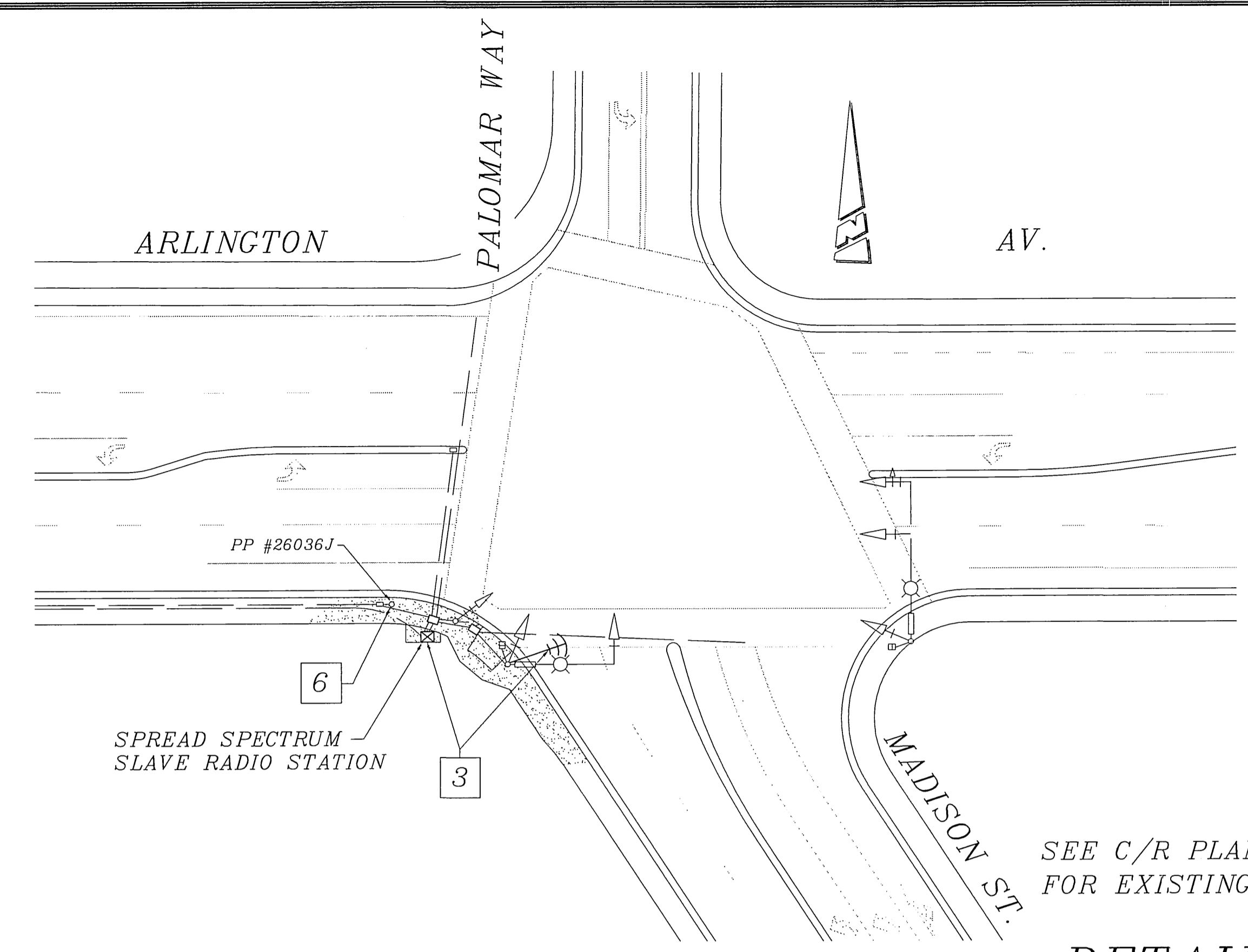
SCALE: 1" = 30'



HARDMAN CENTER D/W

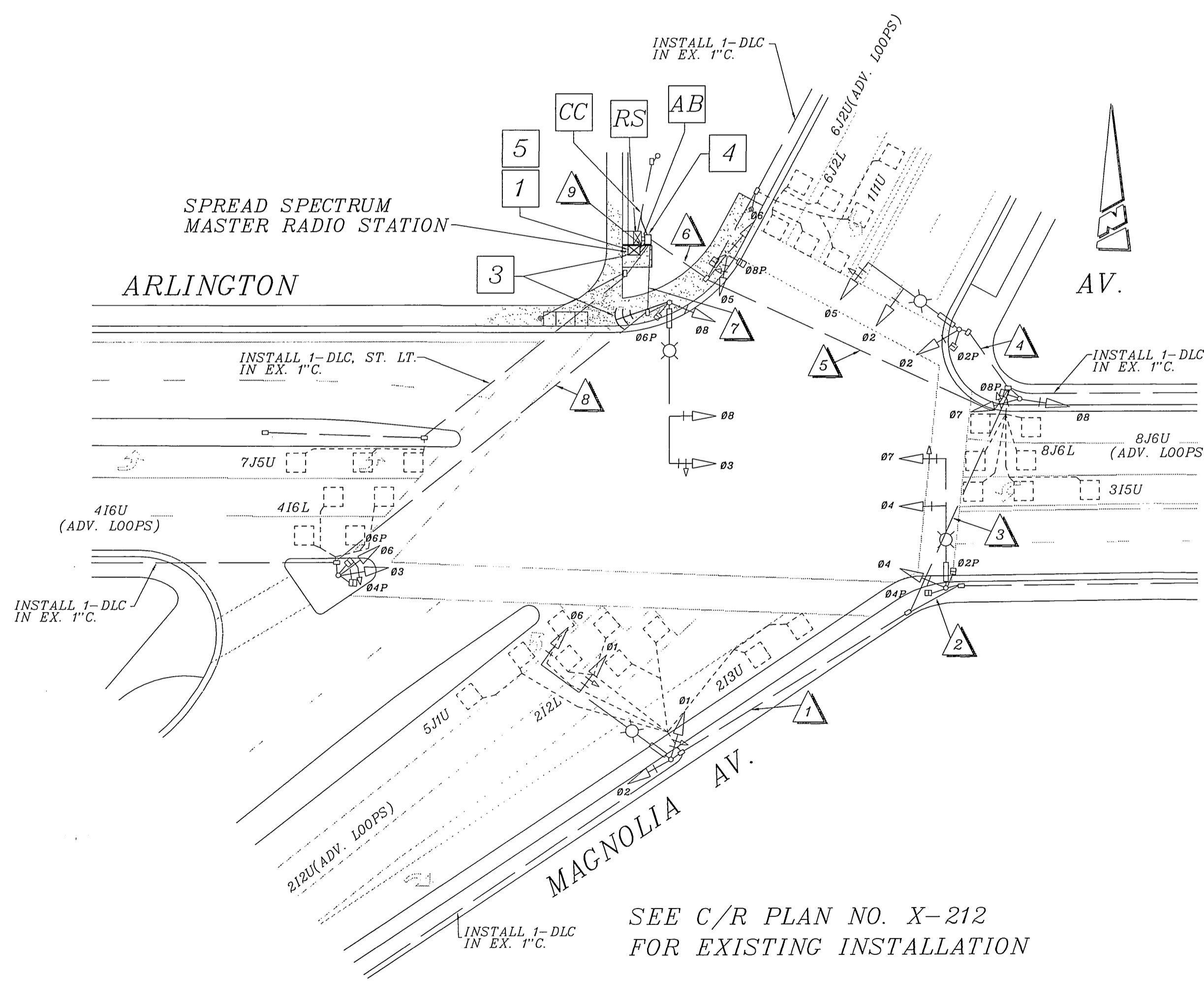
SEE C/R PLAN NO. X-464 FOR EXISTING INSTALLATION

DETAIL - "E"



SEE C/R PLAN NO. X-400 FOR EXISTING INSTALLATION

DETAIL - "F"



SEE C/R PLAN NO. X-212 FOR EXISTING INSTALLATION

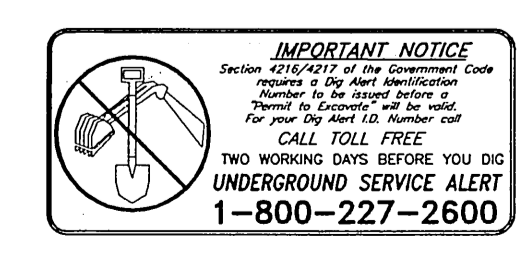
DETAIL - "G"

CONSTRUCTION NOTES

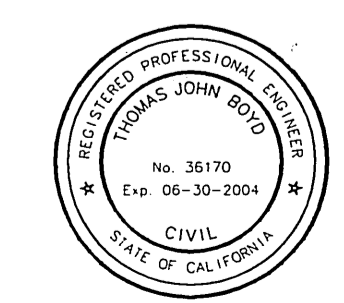
- 1 - REMOVE AND SALVAGE EXISTING TYPE 90 CONTROLLER ASSEMBLY. REMOVE FOUNDATION. INSTALL MODEL 170E/332 CABINET ASSEMBLY ON NEW FOUNDATION.
- 2 - WITHDRAW EXISTING CABLES AND CONDUCTORS FROM EXISTING CONDUIT RUN, AND INSTALL EXISTING CABLES AND CONDUCTORS IN NEW CONDUIT RUN (2-3" CONDUIT), FROM #6 PULL BOX TO CONTROLLER CABINET.
- 3 - INSTALL FULLY OPERATIONAL SPREAD SPECTRUM RADIO EQUIPMENT. (SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION)
- 4 - REPLACE EXISTING #6 PULL BOX WITH NEW #6(E) PULL BOX.
- 5 - REMOVE ALL EXISTING CONDUCTORS AND INSTALL NEW SIGNAL CABLE AND NEW CONDUCTORS. (SEE CONDUCTOR SCHEDULE - THIS SHEET)
- 6 - EXISTING SERVICE: INSTALL NEW BREAKER AND ENCLOSURE FOR 120V SIGNAL AND 240V ST. LT. SERVICE PER CITY OF RIVERSIDE STD. DWG. NO. 612.

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	1	4	5	2	1	7
DETECTOR CABLE	#16/2	-	-	-	-	-	-	-	-	-
PHASE 1		-	-	-	-	1	-	-	-	1
PHASE 2		3	-	3	-	3	3	-	-	3
PHASE 3		-	-	-	-	1	1	-	-	1
PHASE 4		-	-	-	-	-	-	-	2	2
PHASE 5		1	-	1	-	1	1	-	-	1
PHASE 6		-	-	-	-	-	2	-	-	2
PHASE 7		-	-	-	-	-	-	-	-	1
PHASE 8		-	-	-	-	2	2	-	-	2
TOTALS		4	-	4	-	7	10	-	2	13
INTERCONNECT CABLE	#19	-	-	-	-	-	-	-	-	-
I.L.S.N.S.	#12	2	2	2	2	2	2	2	-	2
LUMINAIRES	#8	2	2	2	2	2	2	2	-	2
SIGNAL SERVICE	#6	-	-	-	-	-	-	-	-	2
COAXIAL CABLE(RADIO)		-	-	-	-	-	-	1	-	1
CONDUIT SIZE		2"	2"	2.5"	2"	3"	3"	2.5"	2"	2-3"
(E)= EXISTING; (N)= NEW		(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(N)

NOTE:
SIGNAL SYSTEM SHALL HAVE NEW CABLES AND CONDUCTORS; SEE CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON I.M.S.A. CABLE.
CONDUCTOR SCHEDULE FOR ARLINGTON AV. @ MAGNOLIA AV.



ENGINEER IN RESPONSIBLE CHARGE
Thomas John Boyd
THOMAS JOHN BOYD
R.C.E. No. 36170
DATE 9/21/00

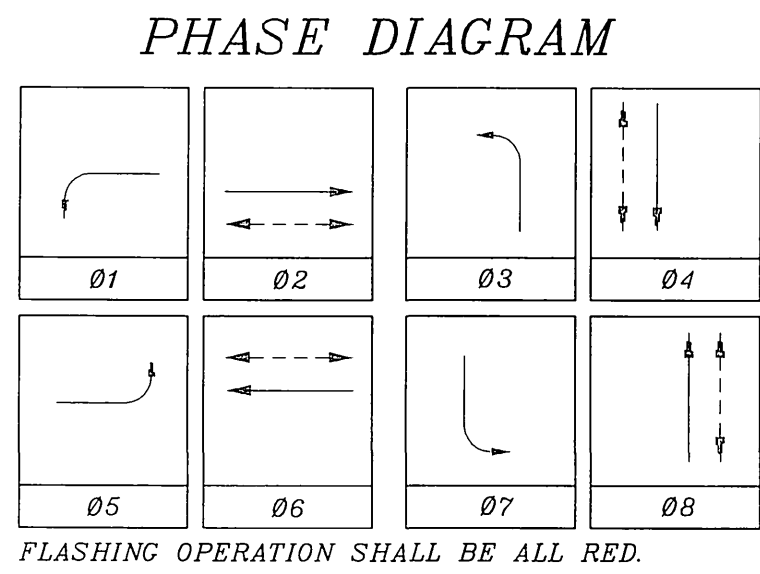


MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *Ed Helmer* 9/21/00
PRINCIPAL ENGINEER
P.W. INSPECTION
TRAFFIC DIVISION
CHIEF P.W. ENGR.
PUBLIC UTILITIES

TRAFFIC SIGNAL SYSTEM INTERCONNECT
ARLINGTON AVENUE
VAN BUREN BL. TO
MAGNOLIA AV.
SCALE: 1" = 30'

CONTRACT TE-98-4
FEDERAL AID PROJECT NO. CMLN-5058(023)
CONTRACTOR'S LICENSE REQUIREMENTS "A" OR "C-10"
ACCT. NO. 9705532711-44030300
X-402B
SHEET 4 OF 7
FILE NAME: X402B-3.DWG



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 CURB MARKING AND PAVEMENT DELINEATION WORK SHALL BE PERFORMED BY CITY OF RIVERSIDE FORCES; SEE SPECIAL PROVISIONS.

SIGNAL STANDARD		LUMINAIRE			I.I.S.N.S.		SIGNAL MOUNTINGS			PPB	REMARKS
NO.	TYPE	HGHT	M.A.	M.A.	H.P.S.V.	LEGEND	VEHICLE	PEDESTRIAN	AUDIBLE	PHASE	
(A)	26-4-80(N)	30'	40'(N)	12'(N)	400W(N)	STREETER(N)	AVE 6900	MAS(N)			RELOCATE PED HEAD FOR 06P FROM (B)
								MAS(N)			
								SV-1-T(N)	SP-1-T(R)	((IPI)) (R)	
(B)	1A(E)	10'						TV-1-T(N)	SP-1-T(E)	((IC)) (E)	4(N) MODIFY SP-2-T TO SP-1-T
(C)	26-4-80(N)	30'	40'(N)	12'(N)	400W(N)	ARLINGTON(N)	AVE 6900	MAS(N)			RELOCATE PED HEAD FOR 06P
								MAS(N)			
								SV-1-T(N)	SP-1-T(R)	((IC)) (R)	6(N)
(D)	1A(E)	10'						TV-1-T(N)	SP-1-T(R)	((IPI)) (R)	8(N) ROTATE PED HEAD FOR 06P
(E)	26-4-80(N)	30'	40'(N)	12'(N)	400W(N)	CALIFORNIA(N)	AVE 7700	MAS(N)			
								MAS(N)			
								SV-1-T(N)	SP-1-T(E)	((IPI)) (E)	8(N) MODIFY SP-2-T TO SP-1-T
(F)	29-5-80(N)	30'	55'(N)	15'(N)	400W(N)	ARLINGTON(N)	AVE 6900	MAS(N)			RELOCATE PED HEAD FOR 06P FROM (C)
								MAS(N)			
								SV-2-TB(N)	SP-1-T(R)	((IC)) (R)	
(G)	1A(R)	10'						TV-1-T(N)	SP-1-T(R)	((IC)) (R)	2(N) RELOCATE PED HEAD FOR 04P
(H)	1A(E)	10'						TV-1-T(N)	SP-1-T(R)	((IPI)) (R)	4(N) ROTATE PED HEAD FOR 02P

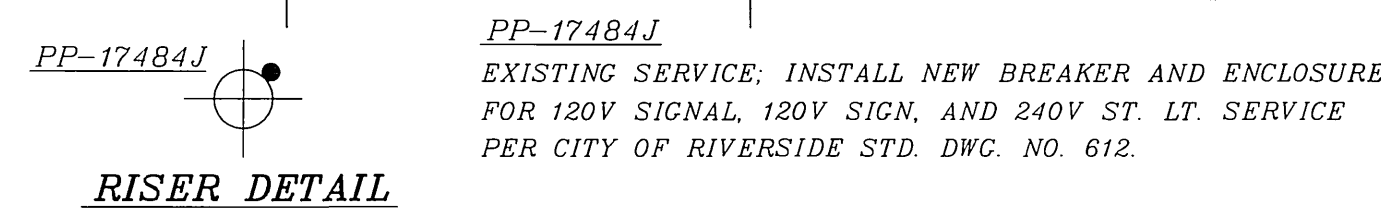
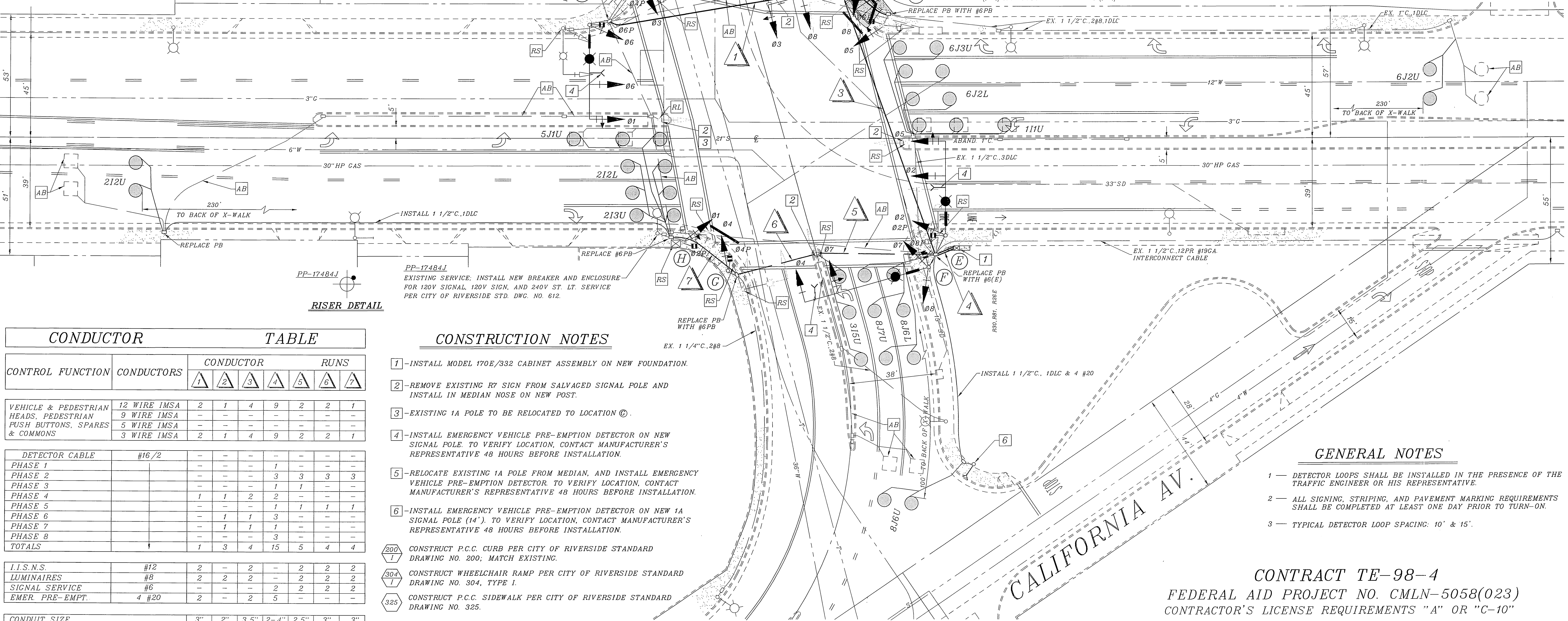
(E)=EXISTING (N)=NEW (R)=RELOCATE

NOTES:

- ALL VEHICULAR HEADS SHALL HAVE 12" LENSES.
- ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
- LUMINAIRES SHALL BE HIGH PRESSURE SODIUM VAPOR.
- ((IC)) OR ((IPI)) - INDICATES AUDITORY PEDESTRIAN SIGNAL.
- PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.
- FOUNDATIONS NOT TO BE REUSED SHALL BE COMPLETELY REMOVED.
- EQUIPMENT NOT TO BE REUSED SHALL BE SALVAGED.

ARLINGTON

AV.



CONDUCTOR TABLE

CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS						
		1	2	3	4	5	6	7
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA 9 WIRE IMSA 5 WIRE IMSA 3 WIRE IMSA	2	1	4	9	2	2	1
DETECTOR CABLE	#16/2	-	-	-	-	-	-	-
PHASE 1		-	-	-	1	-	-	-
PHASE 2		-	-	-	3	3	3	3
PHASE 3		-	-	-	1	1	-	-
PHASE 4		1	1	2	2	-	-	-
PHASE 5		-	-	-	1	1	1	1
PHASE 6		-	1	1	3	-	-	-
PHASE 7		-	1	1	1	-	-	-
PHASE 8		-	-	-	3	-	-	-
TOTALS		1	3	4	15	5	4	4
I.I.S.N.S.	#12	2	-	2	-	2	2	2
LUMINAIRES	#8	2	2	2	-	2	2	2
SIGNAL SERVICE	#6	-	-	-	2	2	2	2
EMER. PRE-EMPT.	4 #20	2	-	2	5	-	-	-
CONDUIT SIZE		3"	2"	3.5"	2-4"	2.5"	3"	3"

CONSTRUCTION NOTES

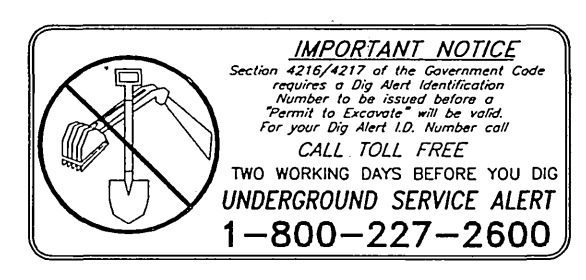
- INSTALL MODEL 170E/332 CABINET ASSEMBLY ON NEW FOUNDATION.
 - REMOVE EXISTING R7 SIGN FROM SALVAGED SIGNAL POLE AND INSTALL IN MEDIAN NOSE ON NEW POST.
 - EXISTING 1A POLE TO BE RELOCATED TO LOCATION (C).
 - INSTALL EMERGENCY VEHICLE PRE-EMPTION DETECTOR ON NEW SIGNAL POLE TO VERIFY LOCATION, CONTACT MANUFACTURER'S REPRESENTATIVE 48 HOURS BEFORE INSTALLATION.
 - RELOCATE EXISTING 1A POLE FROM MEDIAN, AND INSTALL EMERGENCY VEHICLE PRE-EMPTION DETECTOR TO VERIFY LOCATION, CONTACT MANUFACTURER'S REPRESENTATIVE 48 HOURS BEFORE INSTALLATION.
 - INSTALL EMERGENCY VEHICLE PRE-EMPTION DETECTOR ON NEW 1A SIGNAL POLE (14'). TO VERIFY LOCATION, CONTACT MANUFACTURER'S REPRESENTATIVE 48 HOURS BEFORE INSTALLATION.
- 200/1 CONSTRUCT P.C.C. CURB PER CITY OF RIVERSIDE STANDARD DRAWING NO. 200, MATCH EXISTING.
- 304/1 CONSTRUCT WHEELCHAIR RAMP PER CITY OF RIVERSIDE STANDARD DRAWING NO. 304, TYPE I.
- 325/1 CONSTRUCT P.C.C. SIDEWALK PER CITY OF RIVERSIDE STANDARD DRAWING NO. 325.

GENERAL NOTES

- DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
- ALL SIGNING, STRIPING, AND PAVEMENT MARKING REQUIREMENTS SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO TURN-ON.
- TYPICAL DETECTOR LOOP SPACING: 10' & 15'.

CONTRACT TE-98-4
 FEDERAL AID PROJECT NO. CMLN-5058(023)
 CONTRACTOR'S LICENSE REQUIREMENTS "A" OR "C-10"

NOTE: SIGNAL SYSTEM SHALL HAVE NEW CABLES AND CONDUCTORS; SEE CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON I.M.S.A. CABLE.



ENGINEER IN RESPONSIBLE CHARGE
Thomas John Boyd
 THOMAS JOHN BOYD
 R.C.E. No. 36170
 DATE 9/21/00



MARK	REVISIONS	APPR	DATE

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *Richard McShall*
 DIRECTOR OF PUBLIC WORKS

APPROVED BY: *Tom Boyd*
 CHIEF P.W. ENGR

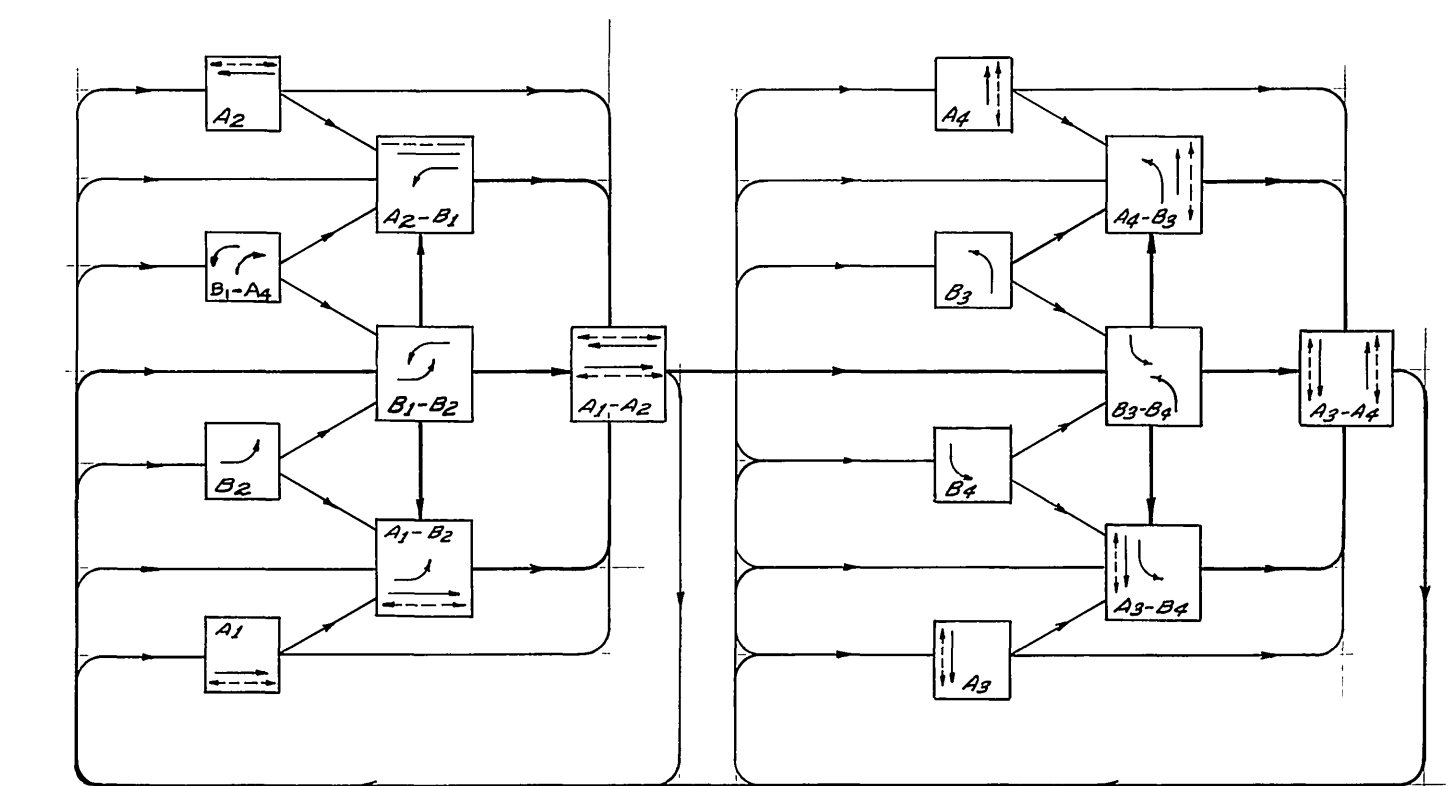
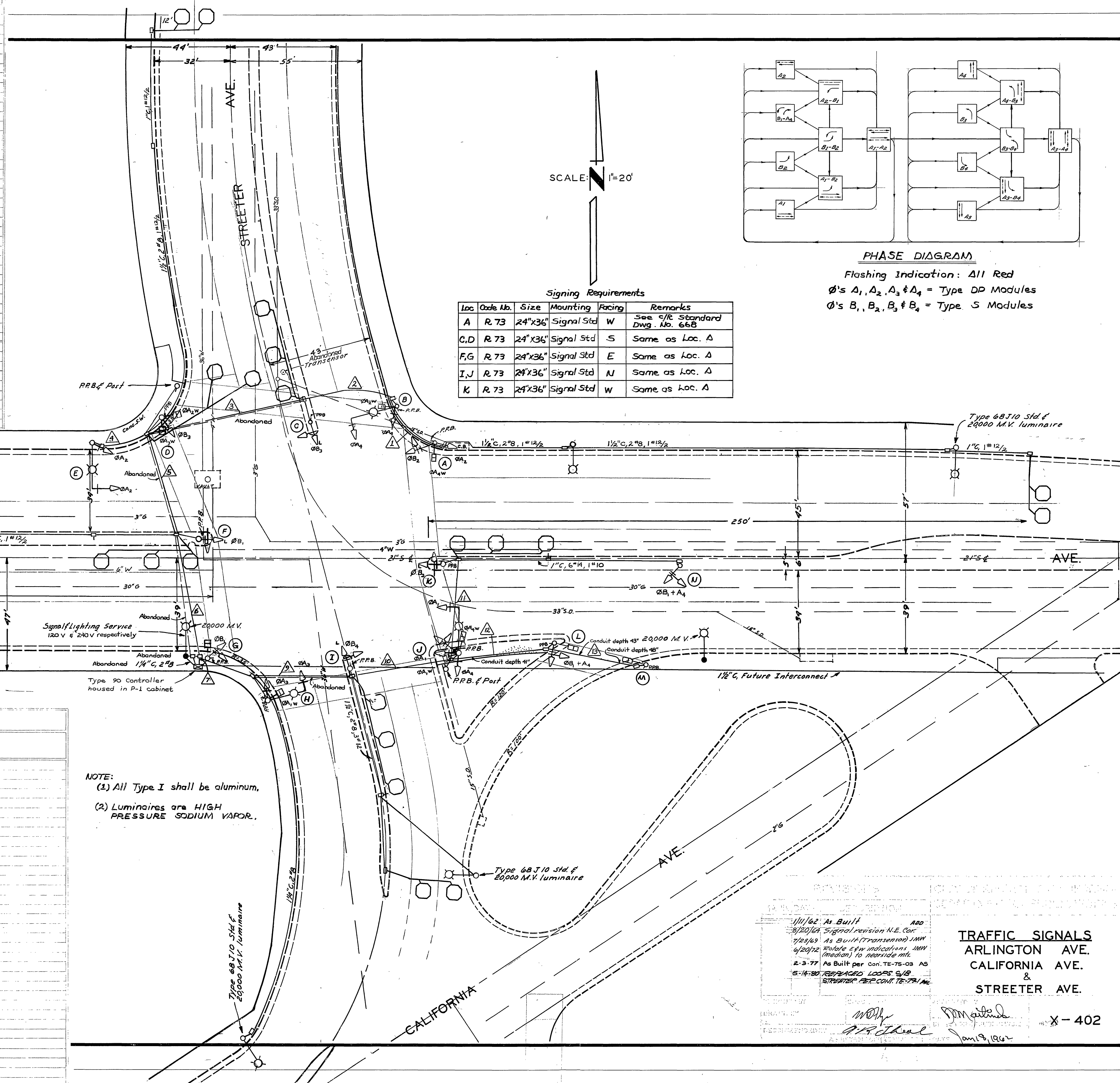
DATE 9-21-2000

TRAFFIC SIGNAL MODIFICATION
 ARLINGTON AVE. @
 STREETER AV. /
 CALIFORNIA AV.

ACCT. NO. 9705532711-44030300
 X-402A
 SHEET 5 OF 7
 FILE NAME: X402.DWG

SCALE: 1" = 20'

COLLECTOR TUBING		CONDUCTORS		CONDUIT												
		1	2	3	4	5	6	7	8	9	10	11	12	13		
Vehicle Head	#14	T.W.														
ØA ₁			3	3	3	6	3	3	3	3	3	3	3	3		
ØA ₂							3	3	6	3	3	3	3			
ØA ₃							3	3	6	3	3	3	3			
ØA ₄							3	3	6	3	3	3	3			
ØB ₁			3	3	3		3	3	6	3	3	3	3			
ØB ₂							3	3	6	3	3	3	3			
ØB ₃							3	3	6	3	3	3	3			
ØB ₄							3	3	6	3	3	3	3			
Red Head																
ØA _{1w}																
ØA _{2w}			2	2		2	2	2	4							
ØA _{3w}							2	2	4							
ØA _{4w}			2	2	2		2	2	4							
Red Push Button																
ØA _{1w}							5	5	5	3			2	1		
ØA _{2w}							3	3	3							
ØA _{3w}							1	1	1							
ØA _{4w}			1	1	1		1	1	1				1	1		
Spares			3	3	3		3	3	3				3	3		
Def. Cable	#12 1/2	P.E.														
ØA ₁							1	1								
ØA ₂			1	1	1		1	1								
ØA ₃ (A ₃ call)							2	2								
ØA ₄																
ØB ₁							1	1	1							
ØB ₂							1	1								
ØB ₃							1	1	1							
ØB ₄							1	1								
12 V Common	#12	T.W.	1	1	1		1	1	1	1	1	1	1	1		
120 V Common	#10	T.W.	1	1	1	1	1	1	1	1	1	1	1	1		
Signal Service	#8	T.H.W.	2	2	2	2	2	2	2	2	2	2	2	2		
Luminaires	#14	T.W.	2	2	2	2	2	2	2	2	2	2	2	2		
ØA ₁ +ØA ₂ +ØA ₃ +ØA ₄																
Totals	#14	T.W.	12	18	22	6	29	33	74	35	31	28	10	9		
	#12 1/2	P.E.	1	1	1		1	1	1	1	1	1	1	1		
	#12	T.W.	1	1	1		1	1	1	1	1	1	1	1		
	#10	T.W.	1	1	1	1	1	1	1	1	1	1	1	1		
	#8	T.H.W.	2	2	2	2	2	2	2	2	2	2	2	2		
Conduit Size			2"	2"	2 1/2"	1 1/2"	3"	3 1/2"	2-3"	3"	3"	2 1/2"	1 1/2"	1 1/2"		



PHASE DIAGRAM
 Flashing Indication: All Red
 Ø's A₁, A₂, A₃ & A₄ = Type DP Modules
 Ø's B₁, B₂, B₃ & B₄ = Type S Modules

Signing Requirements

Loc	Code No.	Size	Mounting	Facing	Remarks
A	R. 73	24"x36"	Signal Std	W	See c/r Standard Dwg. No. 66B
C, D	R. 73	24"x36"	Signal Std	S	Same as Loc. A
F, G	R. 73	24"x36"	Signal Std	E	Same as Loc. A
I, J	R. 73	24"x36"	Signal Std	N	Same as Loc. A
K	R. 73	24"x36"	Signal Std	W	Same as Loc. A

EQUIPMENT SCHEDULE

LOCATION	STANDARD	VEHICLE HEADS			PEDESTRIAN HEADS			LUMINAIRE	INT ILLUM STREET NAME SIGN	REMARKS
		HEAD	MOUNTING	BACK PLATE	HEAD	MOUNTING	PPB			
A	Type I	2W3C	A-4	1	1W2C	W-O	1			
B	68S10	1W3C (12")	M-2	1				400W		
C	Type I	1W3C	A-2	1			1			
D	Type I	2W3C	A-4	1	2W3C	W-3	1			
E	68S10	1W3C (12")	M-2	1				400W		
F	Type I	1W3C	A-2	1			1			
G	Type I	1W3C	A-2	1	1W2C	W-O	1			
H	68S10	1W3C (12")	M-2	1				400W		
I	Type I	1W3C	A-2	1			1			
J	68S10	1W3C (12")	M-2	2				400W		
K	Type I	1W3C	A-2	1	1W2C	W-O	1			
L	Type I	1W3C	A-2	1			1			
M	Type I	1W3C	A-2	1			1			
N	Type I	1W3C (12GA)	A-2	1			1			

NOTE:
 (1) All Type I shall be aluminum.
 (2) Luminaires are HIGH PRESSURE SODIUM VAPOR.

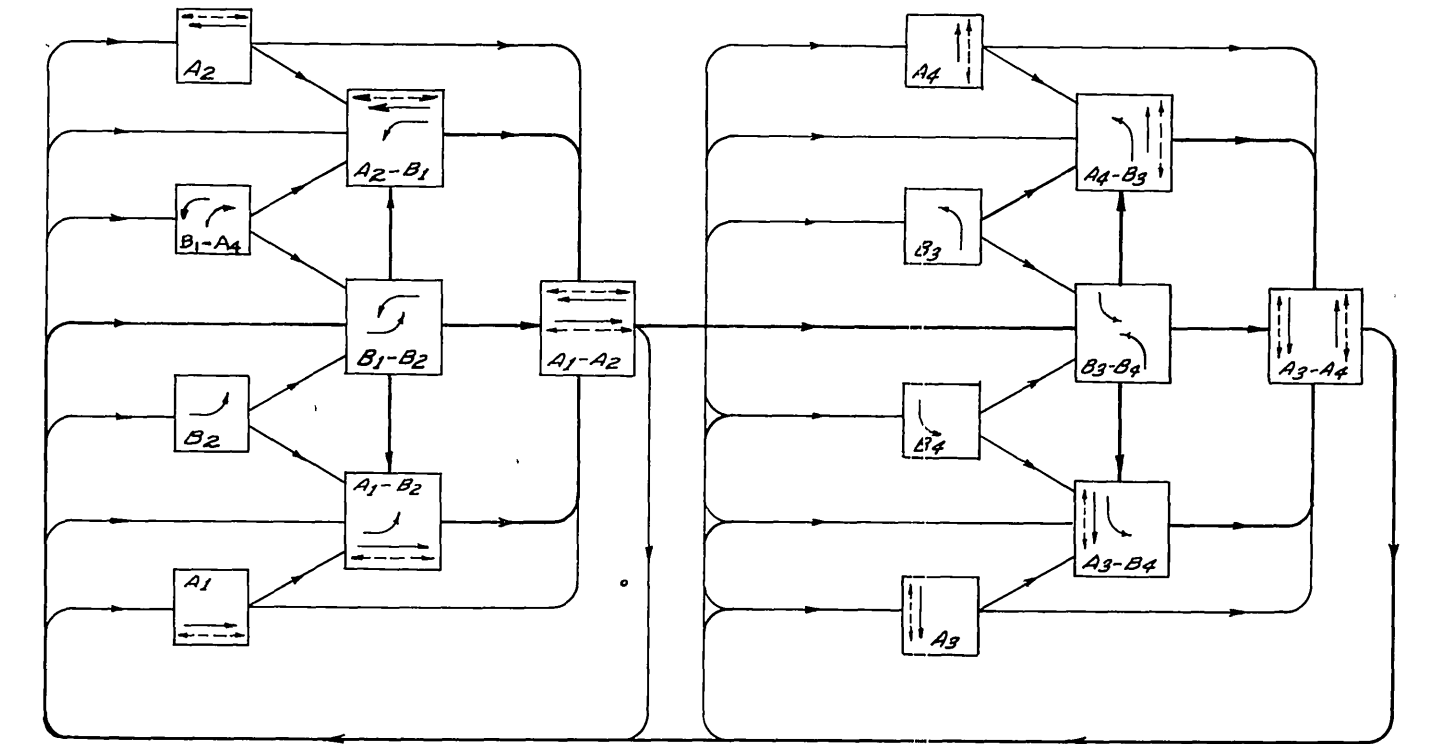
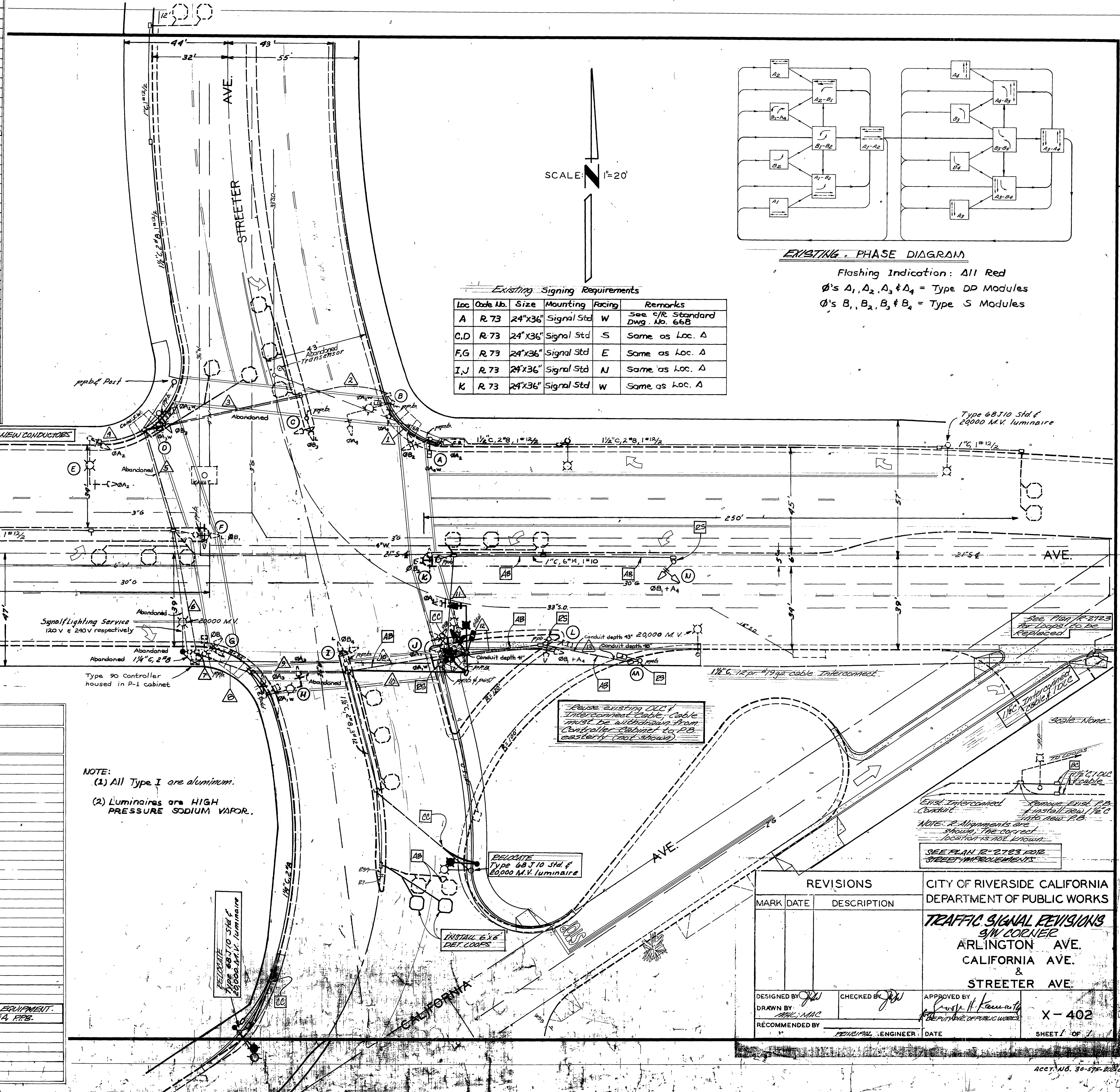
1/11/62 As Built
 3/20/64 Signal revision N.E. Cor
 7/23/69 As Built (Transducer) 1MW
 4/20/72 Rotate sign indications 1MW (rotation) to roadside mt.
 2-3-77 As Built per Con. TE-75-03 AS
 5-14-80 REBIDDED LOPS 2/18
 STREET SIG. PER CON. TE-75-11

TRAFFIC SIGNALS
ARLINGTON AVE.
CALIFORNIA AVE.
&
STREETER AVE.

X-402

		CONDUIT RUNS												
		1	2	3	4	5	6	7	8	9	10	11	12	13
Vehicle Head														
ØA1	T.W.							3	3	3	3			
ØA2		3	3	3	6	3	3	3	3	3	3			
ØA3						3	3	3	3	3	3			
ØA4			3	3		3	3	6	3	3	3			
ØB1						3	3	6	3	3	3			
ØB2		3	3	3		3	3	6	3	3	3			
ØB3				3		3	3	3	3	3	3			
ØB4						3	3	3	3	3	3			
Red Head														
ØA1w								2	2	2	2		2	2
ØA2w			2	2		2	2	2	2	2	2			
ØA3w						2	2	4						
ØA4w		2	2	2		2	2	4	2	2	2			
Red Push Button														
ØA1w								3	3	2	1		2	1
ØA2w								3	3					
ØA3w								1	2	3				
ØA4w		1	1	1		1	1	3	2	2	2	1		
Spares														
Def. Cable	#12 1/2 P.E.	3	3	3		3	3	6	3	3	3	3	3	3
ØA's														
ØA1								1	1	1				
ØA2		1	1	1		1	1	1	1	1				
ØA3 (A3 call)						2	2	2						
ØA4								1	1	1				
ØB1								1	1	1	1	1	1	1
ØB2								1	1	1	1	1	1	1
ØB3								1	1	1	1	1	1	1
ØB4								1	1	1	1	1	1	1
12 V Common														
#12 T.W.		1	1	1		1	1	1	1	1	1	1	1	1
120 V Common														
#10 T.W.		1	1	1	1	1	1	1	1	1	1	1	1	1
Signal Service														
#8 T.H.W.		2	2	2	2	2	2	2	2	2	2	2	2	2
Luminaires														
ØA1+ØA2+ØA3+ØA4	#14 T.W.							3	3	3	3	3	3	3
Totals														
#14 T.W.		12	18	22	6	29	33	72	33	28	26	10	10	9
#12 1/2 P.E.		1	1	2		4	6	9	3	3	1	1	1	1
#12 T.W.		1	1	1		1	1	1	1	1	1	1	1	1
#10 T.W.		1	1	1	1	1	1	1	1	1	1	1	1	1
#8 T.H.W.		2	2	2	2	2	2	2	2	2	2	2	2	2
Conduit Size														
		2"	2"	2 1/2"	1 1/2"	3"	3 1/2"	2-3"	3"	3"	2 1/2"	1 1/2"	1 1/2"	1 1/2"

CONSTRUCTION NOTES: RUN 1 SHALL HAVE SOME NEW CONDUCTORS, RUNS 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 SHALL HAVE ALL NEW CONDUCTORS



EXISTING - PHASE DIAGRAM
 Flashing Indication: All Red
 Ø's A1, A2, A3 & A4 = Type DP Modules
 Ø's B1, B2, B3 & B4 = Type S Modules

Existing Signing Requirements

Loc	Code No.	Size	Mounting	Facing	Remarks
A	R.73	24"x36"	Signal Std	W	See C/R Standard Dwg. No. 66B
C,D	R.73	24"x36"	Signal Std	S	Same as Loc. A
F,G	R.73	24"x36"	Signal Std	E	Same as Loc. A
I,J	R.73	24"x36"	Signal Std	N	Same as Loc. A
K	R.73	24"x36"	Signal Std	W	Same as Loc. A

EQUIPMENT SCHEDULE										
LOCATION	STANDARD	VEHICLE HEADS			PEDESTRIAN HEADS			LUMINAIRE WATTAGE	INT ILLUM STREET NAME SIGN	REMARKS
		HEAD	MOUNTING	BACK PLATE	HEAD	MOUNTING	PPB			
A	Type I	2W3C	A-4	1	1W2C	W-0	1			
		1-R.Y. 12" GA								
B	68S10 G18	1W3C (12")	M-2	1	1W2C	W-0	1	400W		
		1W3C	B-1	1						
C	Type I	1W3C	A-2	1			1			
		(R.Y. 12" GA)								
D	Type I	2W3C	A-4	1	2W3C	W-3	1			
		1-(R.Y. 12" GA)								
E	68S10 G18	1W3C (12")	M-2					400W		
		1W3C	B-1							
F	Type I	1W3C	A-2	1			1			
		(R.Y. 12" GA)								
G	Type I	1W3C	A-2	1	1W2C	W-0	1			
		(R.Y. 12" GA)								
H	68S10 G18	1W3C (12")	M-2	1	1W2C	W-0	1	400W		
		1W3C	B-1	1						
I	Type I	1W3C	A-2	1			1			
		(R.Y. 12" GA)								
J	68S10 G18	1W3C (12")	M-2	2	1W2C	W-0	2	400W		RELOCATE STANDARD HMD EQUIPMENT. PROVIDE & INSTALL PHASE A, PPB.
		1W3C	B-4							
K	Type I	1W3C	A-2	1	1W2C	W-0	1			
		(R.Y. 12" GA)								
L	Type I	1W3C	A-2		1W2C	W-0	1			
		(R.Y. 12" GA)								
M	Type I	1W3C	A-2		1W2C	W-1	1			
		(R.Y. 12" GA)								
N	Type I	1W3C	A-2		1W2C	W-1	1			
		(R.Y. 12" GA)								

CONSTRUCTION NOTE: ABANDONED FOUNDATIONS SHALL BE REMOVED COMPLETELY.

NOTE:
 (1) All Type I are aluminum.
 (2) Luminaires are HIGH PRESSURE SODIUM VAPOR.

REVISIONS			CITY OF RIVERSIDE CALIFORNIA DEPARTMENT OF PUBLIC WORKS
MARK	DATE	DESCRIPTION	
			TRAFFIC SIGNAL REVISIONS 9th CORNER ARLINGTON AVE. CALIFORNIA AVE. & STREETER AVE.
DESIGNED BY	CHECKED BY	APPROVED BY	X - 402 SHEET 1 OF 1
DRAWN BY			
RECOMMENDED BY	PRINCIPAL ENGINEER	DATE	