

EQUIPMENT SCHEDULE

NO.	SIGNAL STANDARD			LUMINAIRE			S.N.S.		SIGNAL MOUNTINGS			PPB PHASE	REMARKS
	TYPE	HGHT	M.A.	M.A.	H.P.S.V.	LEGEND	VEHICLE	PEDESTRIAN	AUDIBLE				
(A)	29-5-80(E)	30'	50'(E)	15'(E)	250W(E)	CALIFORNIA(E)	AV 8500	2-MAS(E) SV-1-T(E)	SP-1-T(E)		4(E)		
(B)	1A(E)	10'						TV-1-T(E)	SP-1-T(E)		6(E)		
(C)	24-4-70(E)	30'	40'(E)	15'(E)	250W(E)	VAN BUREN(E)	BLVD 4200	2-MAS(E) SV-1-T(E)	SP-1-T(E)		6(E)		
(D)	1A(E)	10'						TV-1-T(E)	SP-1-T(E)		8(E)		
(E)	29-5-80(E)	30'	50'(E)	15'(E)	250W(E)	CALIFORNIA(E)	AV 8400	2-MAS(E) SV-1-T(E)	SP-1-T(E)		8(E)		
(F)	1A(E)	10'						TV-1-T(E)	SP-1-T(E)		2(E)		
(G)	24-4-70(R)	30'	40'(R)	15'(R)	250W(R)	VAN BUREN(R)	BLVD 4100	2-MAS(R) SV-1-T(R)	SP-1-T(R)		2(R)		
(H)	1A(R)	10'						TV-1-T(R)	SP-1-T(R)		4(R)		

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

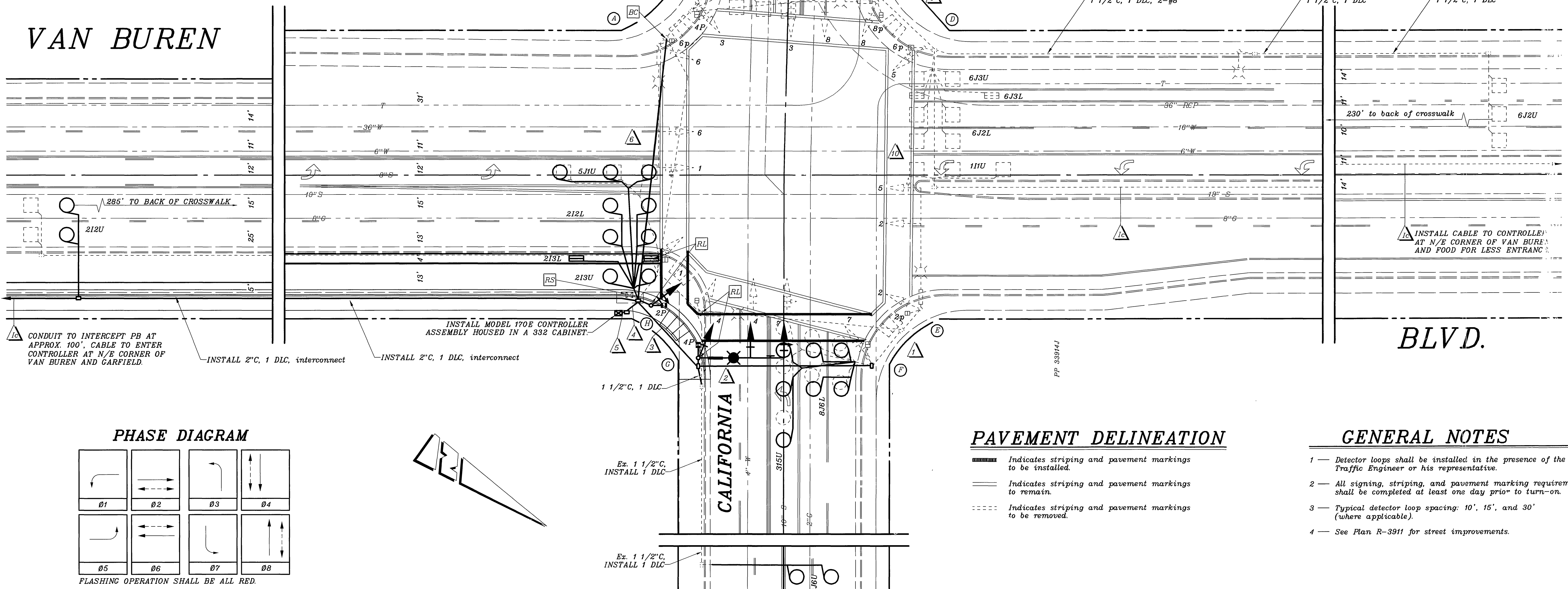
NOTES:

- ALL VEHICULAR HEADS SHALL HAVE 12" LENSES.
- ((c)) OR ((P)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED.
((c1)) INDICATES CUCKOO SOUND; ((P1)) INDICATES PEEP-PEEP SOUND.

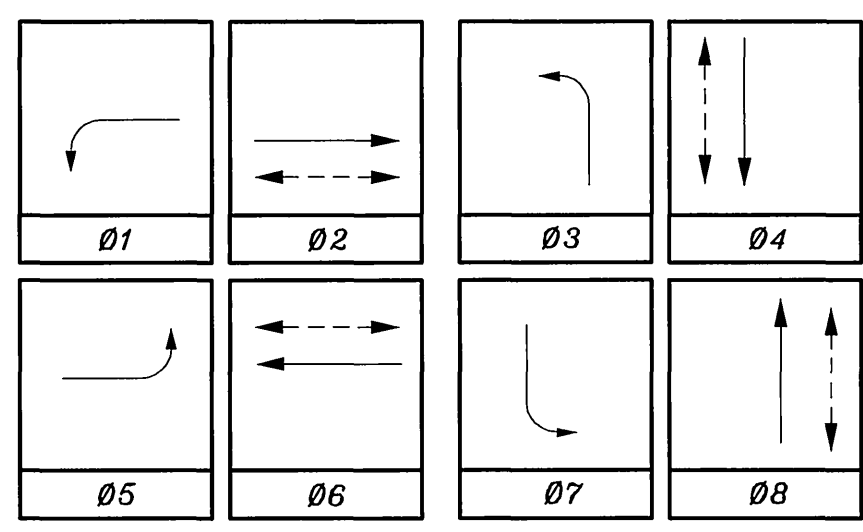
CONDUCTOR TABLE

CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS														
		1	2	3	4	5	6	7	8	9	10	1c				
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA 3 WIRE IMSA	1	2	3	8	8	4	3	2	1						
DETECTOR CABLE	#16/2				1	1	1	1	1	1	1	1				
PHASE 1					4	4										
PHASE 2					1	1										
PHASE 3					2	2	2	2								
PHASE 4					1	1										
PHASE 5					4	4	4	4	4	4						
PHASE 6					1	1	1	1								
PHASE 7					1	2	2									
PHASE 8																
VEHICLE PREEMPTION	#20		1	1	3	3	2	1	1							
I.L.S.N.S.	#12	2	2	2			2	2	2							
LUMINAIRES	#9	2	2	2			2	2	2							
SIGNAL SERVICE	#6				2	2	2	2								
INTERCONNECT	#19				2	2	1	1	1	1	1	1	1	1	1	1
CONDUIT SIZE		1.5"	3"	3"	2-3"	2-3"	3.5"	2",3"	2.5"	2"	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).



PHASE DIAGRAM



FLASHING OPERATION SHALL BE ALL RED.

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.

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', and 30' (where applicable).
- See Plan R-3911 for street improvements.

IMPORTANT NOTICE
Section 4200-227 of the Government Code requires a Dig Alert identification number to be located before a "Permit to Excavate" will be issued. For your Dig Alert T.D. Number call **CALL TOLL FREE TWO WORKING DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600**

ENGINEER IN RESPONSIBLE CHARGE
THOMAS JOHN BOYD
R.C.E. No. 36170
DATE 3/15/06

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN BOYD
No. 36170
Exp. 06-30-2006
CIVIL
STATE OF CALIFORNIA

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

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature] DATE: 3/15/06
PRINCIPAL ENGINEER
TRAFFIC DIVISION: [Signature] DATE: 3/15/06
CITY ENGINEER

TRAFFIC SIGNAL MODIFICATION
VAN BUREN BLVD.
AT
CALIFORNIA AVENUE

ACCT. NO.
X-331A
SHEET 1 OF 1
FILE NAME: 331A.DWG

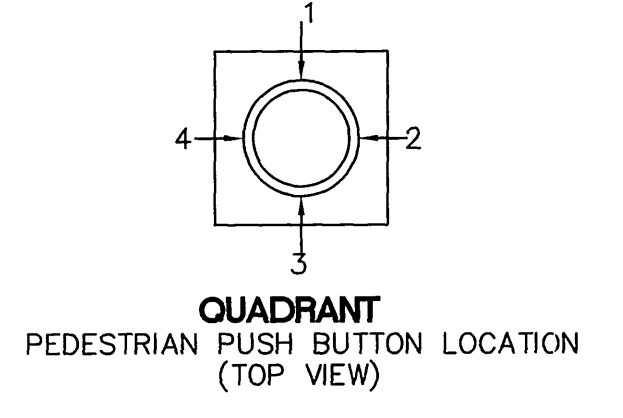
SCALE: 1" = 20'

CONDUCTOR SCHEDULE										
AWG	CONDUCTOR	CONDUIT RUN								
#14	Ø1									
	Ø2	③	③	③	③	③	③	③	③	
	Ø3									
	Ø4									
	Ø5	③	③	③	③	③	③	③	③	
	Ø6									
	Ø7	③	③	③	③	③	③	③	③	
	Ø8									
	Ø2PED	②	②	②	②	②	②	②	②	
	Ø4PED									
Ø6PED										
Ø8PED	②	②	②	②	②	②	②	②		
Ø2PPB	①	①	①	①	①	①	①	①		
Ø4PPB										
Ø6PPB										
Ø8PPB	①	①	①	①	①	①	①	①		
PPB COMMON	①	①	①	①	①	①	①	①		
SPARE	③	③	③	③	③	③	③	③		
TOTAL #14	⑬	⑬	⑬	⑬	⑬	⑬	⑬	⑬		
#12	I.I.S.N.S.	②	②	②	②	②	②	②		
#10	SIGNAL COMMON	①	①	①	①	①	①	①		
#8	LUMINAIRE SERVICE	②	②	②	②	②	②	②		
	TOTAL #8	②	②	②	②	②	②	②		
DLC #12/2	Ø1									
	Ø2									
	Ø3									
	Ø4									
	Ø5									
	Ø6									
	Ø7									
	Ø8	①	①	①	①	①	①	①		
TOTAL DLC	①	①	①	①	①	①	①			
6 PAIRS #19 I.C.										
EMERGENCY VEHICLE PRE-EMPTION	①	①	①	①	①	①	①			
CONDUIT SIZE	2"(N)	2"	3"	2-3"	2-3"	3"	2"	2 1/2"	2"	2"

- CONSTRUCTION NOTES:**
- INSTALL 12" SOLID WHITE STRIPE (X-WALK)
 - RELOCATE EXISTING BUS STOP SIGN COORDINATE WITH RTA FOR EXACT LOCATION
 - RELOCATE EXISTING R26/RB1 SIGN & POST
 - INSTALL NEW 6' ROUND (TYPE E) LOOP
 - INSTALL 6" SOLID WHITE STRIPE [BIKE LANE] (DETAIL 39)
 - INSTALL "BIKE LANE AND 6' BIKE ARROW" PAVEMENT MARKING
 - REMOVE AND SALVAGE TO CITY YARD
 - REMOVE EXISTING STRIPE
 - EXISTING POLE FOUNDATION TO BE COMPLETELY REMOVED AND SALVAGED
 - ABANDON IN PLACE
 - CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED.
 - RELOCATE EXISTING POLE AND/OR EQUIPMENT AS SHOWN

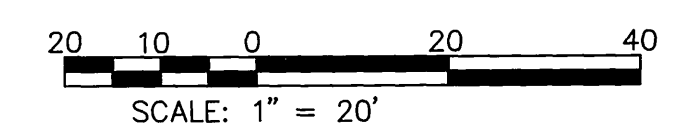
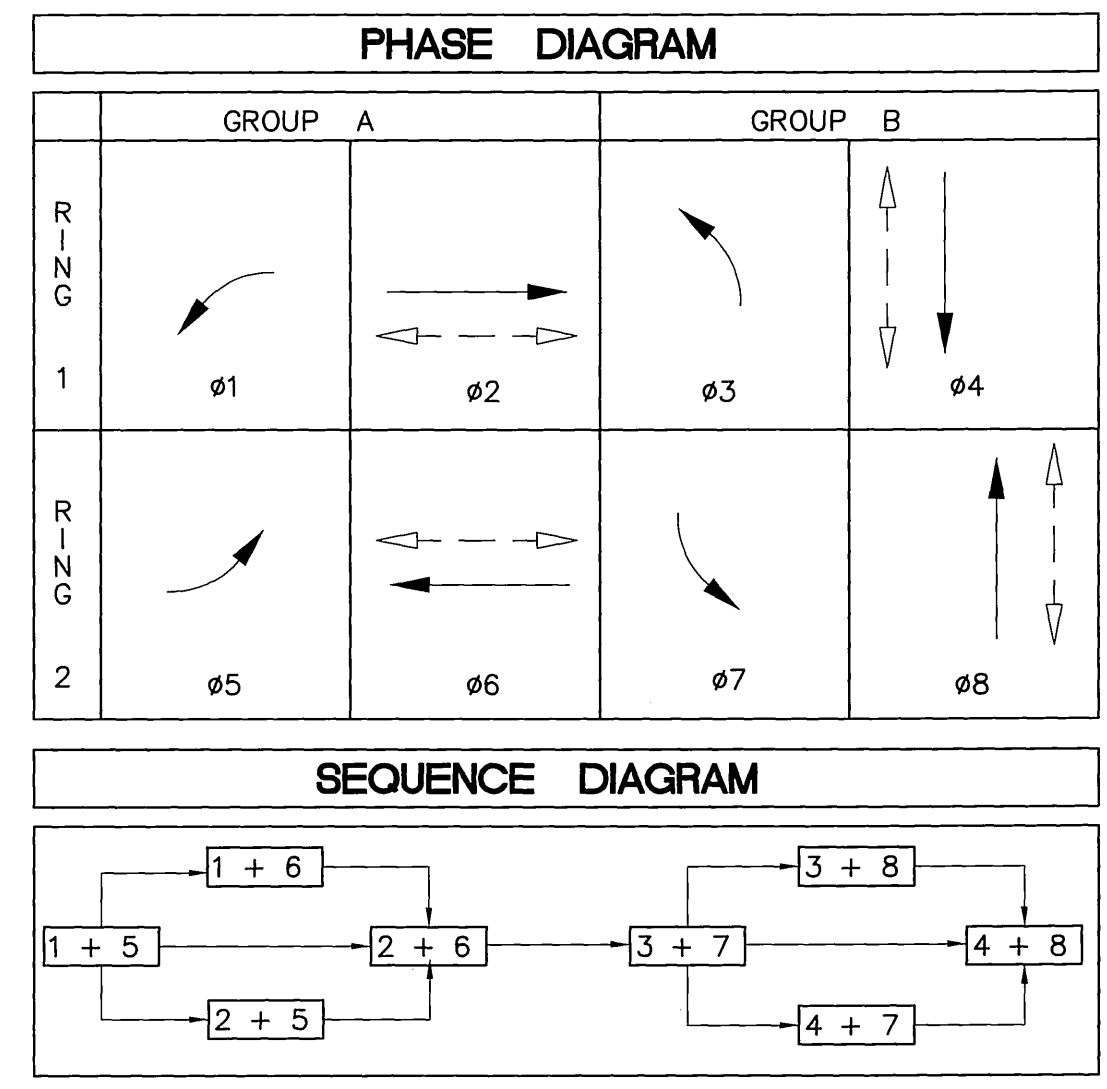
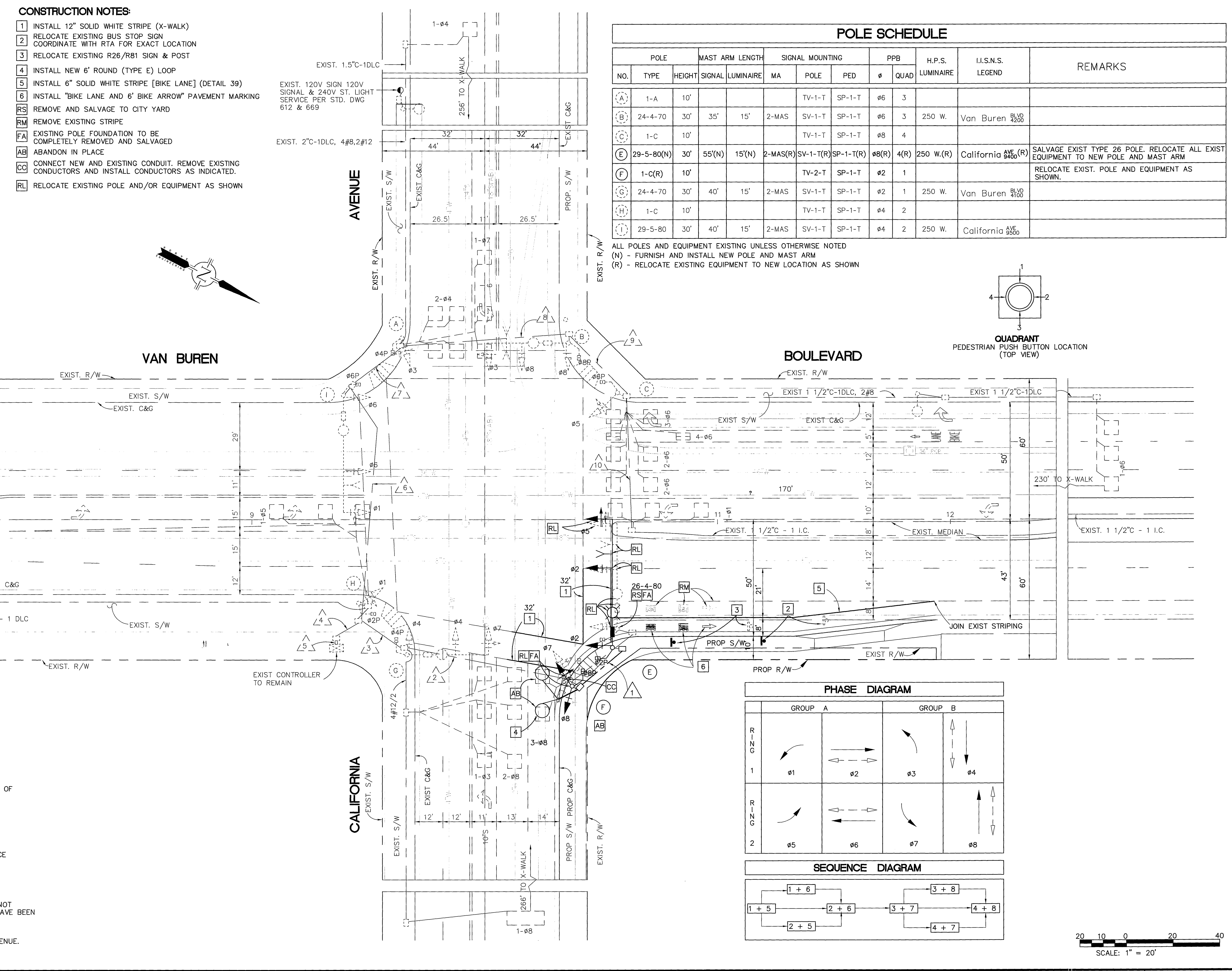
POLE SCHEDULE											
NO.	POLE	TYPE	HEIGHT	MAST ARM LENGTH		SIGNAL MOUNTING			PPB		REMARKS
				SIGNAL	LUMINAIRE	MA	POLE	PED	Ø	QUAD	
(A)	1-A	10'				TV-1-T	SP-1-T	Ø6	3		
(B)	24-4-70	30'	35'	15'	2-MAS	SV-1-T	SP-1-T	Ø6	3	250 W.	Van Buren BLVD 4200
(C)	1-C	10'				TV-1-T	SP-1-T	Ø8	4		
(E)	29-5-80(N)	30'	55'(N)	15'(N)	2-MAS(R)	SV-1-T(R)	SP-1-T(R)	Ø8(R)	4(R)	250 W.(R)	California AVE 9260 (R)
(F)	1-C(R)	10'				TV-2-T	SP-1-T	Ø2	1		RELOCATE EXIST. POLE AND EQUIPMENT AS SHOWN.
(G)	24-4-70	30'	40'	15'	2-MAS	SV-1-T	SP-1-T	Ø2	1	250 W.	Van Buren BLVD 4100
(H)	1-C	10'				TV-1-T	SP-1-T	Ø4	2		
(I)	29-5-80	30'	40'	15'	2-MAS	SV-1-T	SP-1-T	Ø4	2	250 W.	California AVE 9500

ALL POLES AND EQUIPMENT EXISTING UNLESS OTHERWISE NOTED
 (N) - FURNISH AND INSTALL NEW POLE AND MAST ARM
 (R) - RELOCATE EXISTING EQUIPMENT TO NEW LOCATION AS SHOWN



ALL CONDUITS AND CONDUCTORS EXISTING UNLESS OTHERWISE NOTED:
 (N) - INSTALL NEW CONDUIT
 (X) - INSTALL NEW CONDUCTOR WITHOUT SPLICING

- GENERAL NOTES:**
- TRAFFIC WORK SHALL BE PERFORMED IN ACCORDANCE TO THE MOST CURRENT PROVISIONS OF SECTION 86 OF THE STANDARD SPECIFICATIONS, THE STANDARD PLANS, BOTH PUBLISHED BY THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS), THE CONSTRUCTION PLAN(S) AND AS DIRECTED BY THE ENGINEER.
 - ALL EQUIPMENT AND LOOP LOCATIONS SHALL BE APPROVED BY THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE PRIOR TO INSTALLATION BY CONTRACTOR.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES, PUBLIC OR PRIVATE, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITY DAMAGE BY HIS OPERATIONS.
 - UNLESS SHOWN OTHERWISE, ALL INDUCTIVE LOOPS SHALL BE 6" ROUND WITH 10' SPACING IN THE DIRECTION OF TRAVEL. NECESSARY STRIPING SHALL BE LOCATED PRIOR TO POSITIONING DETECTORS. ALL CONDUIT SIZE SHALL BE 2" MINIMUM UNLESS OTHERWISE NOTED.
 - ALL EXISTING LOOPS, SIGNAL POLES AND EQUIPMENT SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
 - SPLICING OF THE CONDUCTORS IS NOT ALLOWED.
 - INSPECTION FEE WILL BE AT THE RATE OF \$38.50 PER HOUR.
 - CONSTRUCTION WORK THAT WILL CAUSE DAMAGE TO THE DETECTOR LOOPS SHALL NOT BE PERFORMED UNTIL TRAFFIC SIGNAL MAINTENANCE PERSONNEL AND INSPECTOR HAVE BEEN NOTIFIED AT (909)351-6096 AND THE NECESSARY TIMING ADJUSTMENTS MADE TO MAINTAIN SIGNAL OPERATION.
 - ALL SALVAGE MATERIALS SHALL BE DELIVERED TO CITY YARD AT 8095 LINCOLN AVENUE.
 - FOR ROADWAY CONSTRUCTION DETAILS SEE STREET IMPROVEMENT PLAN R-3472



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

DANIEL J. O'ROURKE
 REGISTERED PROFESSIONAL ENGINEER
 No. 47677
 Exp. 12/31/99
 CIVIL
 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
Daniel J. O'Rourke
 REGISTERED CIVIL ENGINEER NO. 47677
 EXPIRATION DATE: 12/31/99 DATE: 6-19-97

Korve Engineering
 290 North "D" Street, Ste. 504
 San Bernardino, CA 92401
 (909) 884-4777 (909) 884-2277 Fax
 KORVE File Name: VANCAL.DWG KORVE Job No.: 587022X0 Last Date Rev: 4/2/97
 SCALE: 1" = 20'
 BENCH MARK:
 DATE: APRIL 1997

DESIGNED BY KTO DRAWN BY KTO CHECKED BY DJO

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: [Signature] DATE: 6/26/97
 TRAFFIC DIVISION
 CHIEF P.W. ENGINEER: [Signature] DATE: 6/26/97
 PUBLIC UTILITIES

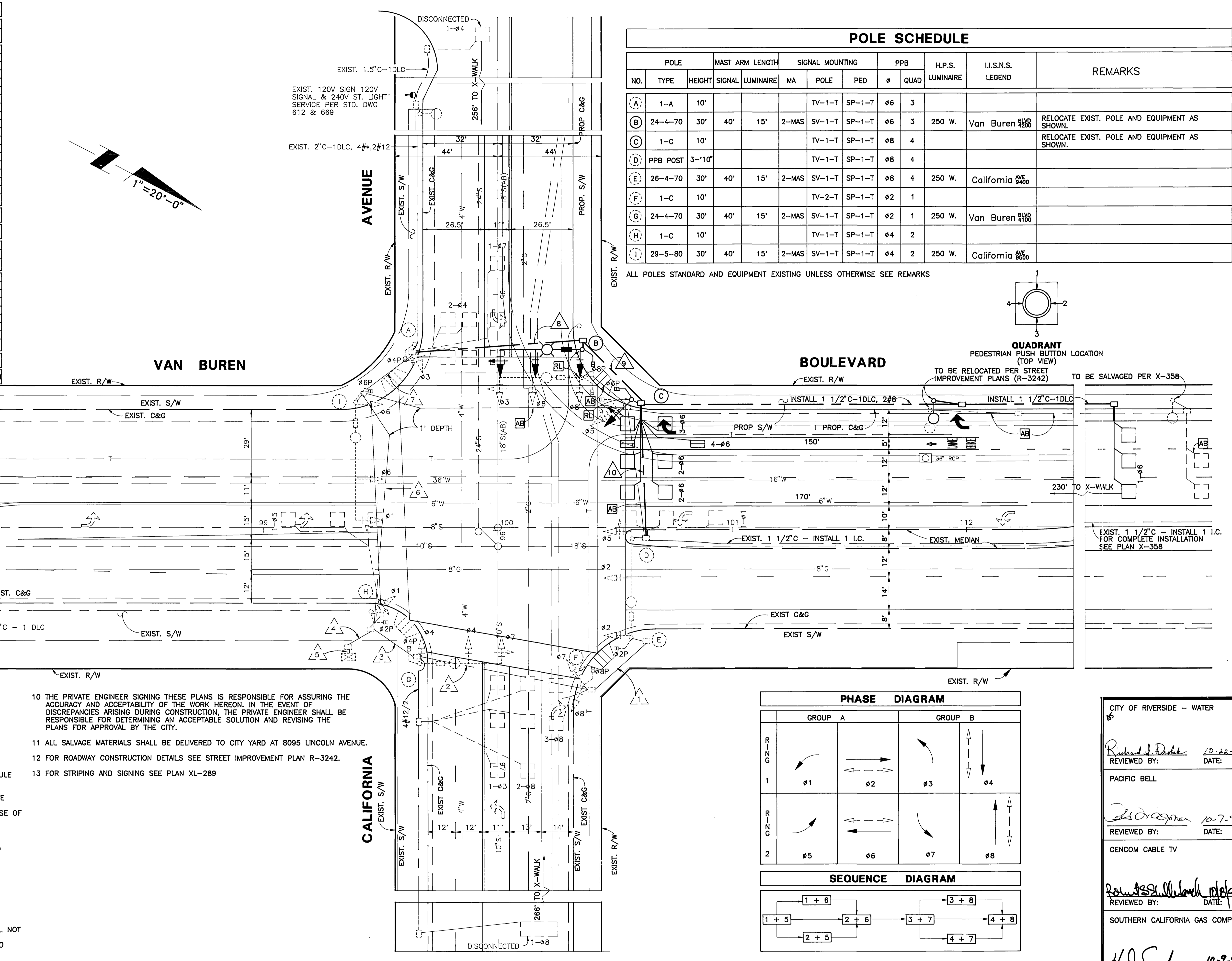
TRAFFIC SIGNAL MODIFICATION PLAN
VAN BUREN BOULEVARD AND CALIFORNIA AVENUE
 FOR: JACK IN THE BOX #3366

PROJECT NO. X-331A
 SHEET 1 OF 1
 FILE NO:

CONDUCTOR SCHEDULE												
AWG	CONDUCTOR	CONDUIT RUN										
		1	2	3	4	5	6	7	8	9	10	
#14	#1											
	#2	3	3	3	3	3	3	3	3	3		
	#3											
	#4				3	3	3	3	3	3		
	#5	3	3	3	6	6	3	3	3	3	3	
	#6				3	3	3					
	#7		3	3	3	3						
	#8		3	3	6	6	3	3	3			
	#2PED	2	2	2	2	2						
	#4PED				2	2	2	2	2			
	#6PED				2	2	2	2	2	2		
	#8PED	2	2	2	4	4	2	2	2			
	#2PPB	1	1	1	1	1						
	#4PPB				2	2	2	2	1			
#6PPB				2	2	2	2	1				
#8PPB	1	1	1	2	2	1	1	1	1	1	1	
PPB COMMON	1	1	1	2	2	1	1	1	1	1	1	
SPARE	3	3	3	6	6	3	3	3	3	3		
TOTAL #14	13	22	27	56	56	29	22	19	10	5		
#12	I.I.S.N.S.	2	2	2								
#10	SIGNAL COMMON	1	1	1	2	2	1	1	1	1		
#8	LUMINAIRE SERVICE	2	2	2	2	2	2	2	2	2		
TOTAL #8		2	2	2	2	2	4	4	2	2		
DLC #12/2	#1				1	1	1	1	1	1	1	
	#2				1	1						
	#3				1	1	1					
	#4				2	2	2	2				
	#5				1	1						
	#6				4	4	4	4	4	4		
	#7				1	1	1	1				
	#8				1	3	3	3				
TOTAL DLC		1	4	14	14	8	8	5	5	1		
6 PAIRS #19 I.C.					1	1	1	1	1	1		
CONDUIT SIZE		1 1/2"	2"	3"	2-3"	2-3"	3"	2"	2 1/2"	2"(N)2"(N)		

ALL CONDUITS AND CONDUCTORS EXISTING UNLESS OTHERWISE NOTED: (N) = INSTALL NEW CONDUIT RUN
 CONDUIT RUNS 6 THRU 10 SHALL HAVE NEW CONDUCTORS.
 CONDUIT RUNS 4 AND 5 SHALL HAVE SOME NEW CONDUCTORS.

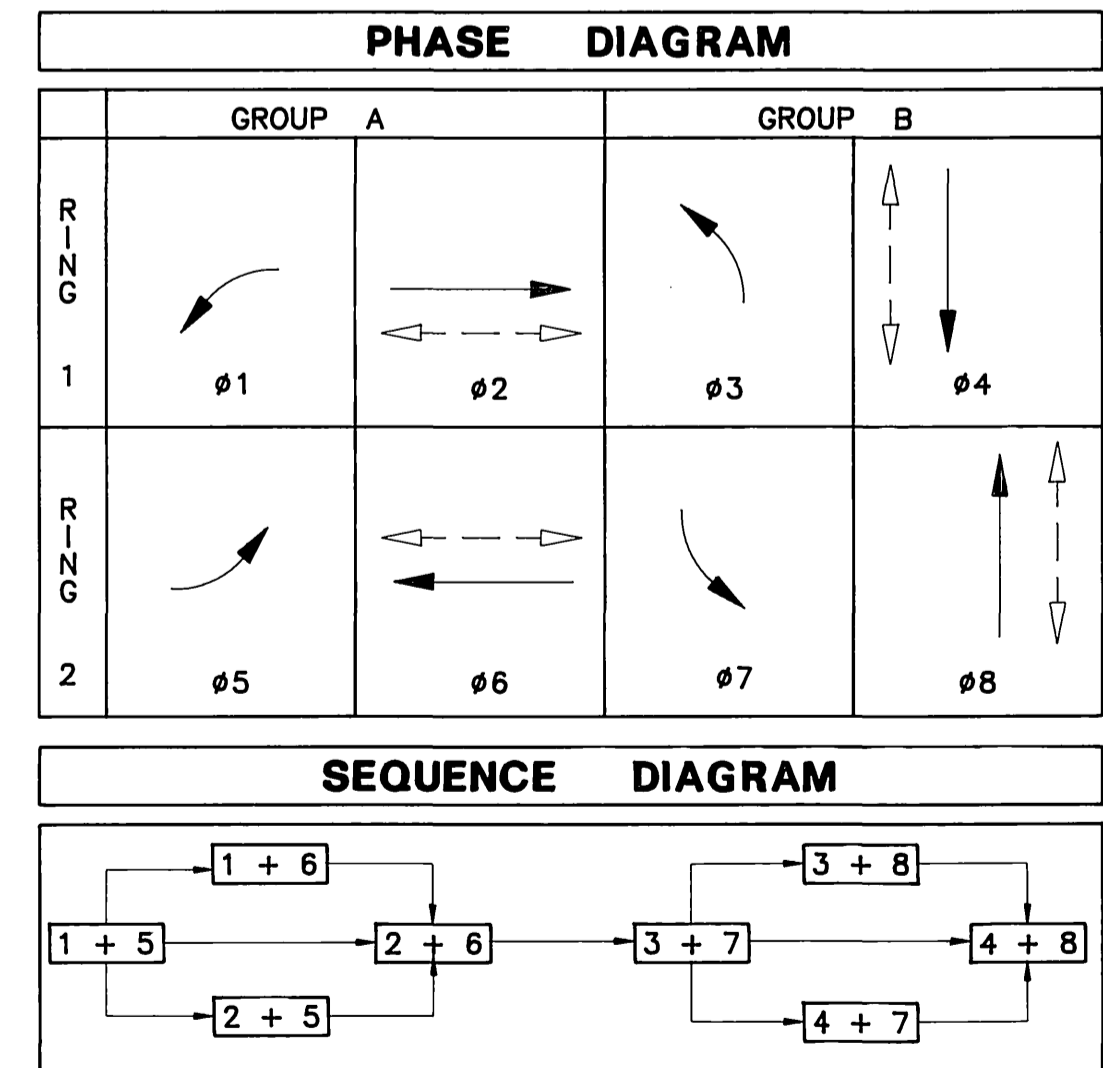
- GENERAL NOTES:**
- TRAFFIC WORK SHALL BE PERFORMED IN ACCORDANCE TO THE MOST CURRENT PROVISIONS OF SECTION 66 OF THE STANDARD SPECIFICATIONS, THE STANDARD PLANS, BOTH PUBLISHED BY THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS), THE CONSTRUCTION PLAN(S) AND AS DIRECTED BY THE ENGINEER.
 - ALL EQUIPMENT AND LOOP LOCATIONS SHALL BE APPROVED BY THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE PRIOR TO INSTALLATION BY CONTRACTOR.
 - ALL STRIPING, PAVEMENT MARKINGS AND SIGN REQUIREMENTS (REMOVAL OR INSTALLATIONS) SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO THE SCHEDULE TURN ON.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES, PUBLIC OR PRIVATE, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITY DAMAGE BY HIS OPERATIONS.
 - UNLESS SHOWN OTHERWISE, ALL INDUCTIVE LOOPS SHALL BE 6'X6' WITH 10' SPACING IN THE DIRECTION OF TRAVEL. NECESSARY STRIPING SHALL BE LOCATED PRIOR TO POSITIONING DETECTORS. ALL CONDUIT SIZE SHALL BE 2" MINIMUM UNLESS OTHERWISE NOTED.
 - SPLICING OF THE CONDUCTORS IS NOT ALLOWED.
 - THIS WORK REQUIRES A "STREET OPENING" PERMIT OBTAINED AT THE PUBLIC WORKS COUNTER.
 - INSPECTION FEE WILL BE AT THE RATE OF \$29.35 PER HOUR.
 - CONSTRUCTION WORK THAT WILL CAUSE DAMAGE TO THE DETECTOR LOOPS SHALL NOT BE PERFORMED UNTIL TRAFFIC SIGNAL MAINTENANCE PERSONNEL HAVE BEEN NOTIFIED AT (714)351-6096 AND THE NECESSARY TIMING ADJUSTMENTS MADE TO MAINTAIN SIGNAL OPERATION.
 - THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
 - ALL SALVAGE MATERIALS SHALL BE DELIVERED TO CITY YARD AT 8095 LINCOLN AVENUE.
 - FOR ROADWAY CONSTRUCTION DETAILS SEE STREET IMPROVEMENT PLAN R-3242.
 - FOR STRIPING AND SIGNING SEE PLAN XL-289



POLE SCHEDULE												
NO.	POLE	HEIGHT	MAST ARM LENGTH		SIGNAL MOUNTING		PPB		H.P.S. LUMINAIRE	I.I.S.N.S. LEGEND	REMARKS	
			SIGNAL	LUMINAIRE	MA	POLE	PED	Ø				QUAD
(A)	1-A	10'			TV-1-T	SP-1-T	Ø6	3				
(B)	24-4-70	30'	40'	15'	2-MAS	SV-1-T	SP-1-T	Ø6	3	250 W.	Van Buren BLD 4200	
(C)	1-C	10'			TV-1-T	SP-1-T	Ø8	4			RELOCATE EXIST. POLE AND EQUIPMENT AS SHOWN.	
(D)	PPB POST	3-110'			TV-1-T	SP-1-T	Ø8	4			RELOCATE EXIST. POLE AND EQUIPMENT AS SHOWN.	
(E)	26-4-70	30'	40'	15'	2-MAS	SV-1-T	SP-1-T	Ø8	4	250 W.	California AVE 9400	
(F)	1-C	10'			TV-2-T	SP-1-T	Ø2	1				
(G)	24-4-70	30'	40'	15'	2-MAS	SV-1-T	SP-1-T	Ø2	1	250 W.	Van Buren BLD 4100	
(H)	1-C	10'			TV-1-T	SP-1-T	Ø4	2				
(I)	29-5-80	30'	40'	15'	2-MAS	SV-1-T	SP-1-T	Ø4	2	250 W.	California AVE 9500	

ALL POLES STANDARD AND EQUIPMENT EXISTING UNLESS OTHERWISE SEE REMARKS

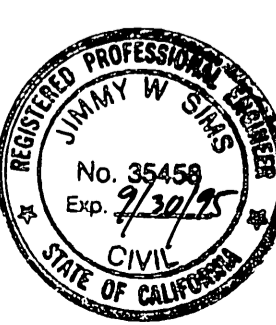
QUADRANT
 PEDESTRIAN PUSH BUTTON LOCATION (TOP VIEW)
 TO BE RELOCATED PER STREET IMPROVEMENT PLANS (R-3242)
 TO BE SALVAGED PER X-358



CITY OF RIVERSIDE - WATER	
REVIEWED BY: <i>Richard J. Dobbins</i>	DATE: 10-22-91
PACIFIC BELL	
REVIEWED BY: <i>John Drayton</i>	DATE: 10-7-91
CENCOM CABLE TV	
REVIEWED BY: <i>Robert S. ...</i>	DATE: ...
SOUTHERN CALIFORNIA GAS COMPANY	
REVIEWED BY: <i>H.D. Sandy</i>	DATE: 10-9-91

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
James B. Dobbins
 REGISTERED CIVIL ENGINEER NO. 35458
 EXPIRATION DATE: 9/30/95, DATE: 10/4/91
 RECOMMENDED BY:
James B. Dobbins
 JAMES B. DOBBINS DATE: 10/4/91

J.F. Davidson Associates, Inc.
 ENGINEERING PLANNING SURVEYING LANDSCAPE ARCHITECTURE
 MUNICIPAL ENGINEERING DIVISION
 3426 TENTH STREET
 P.O. BOX 493
 RIVERSIDE, CA 92502
 (714) 683-0209 FAX (714) 686-5807

SCALE: 1"=20'-0"
 BENCH MARK:
 DATE: OCTOBER, 1991

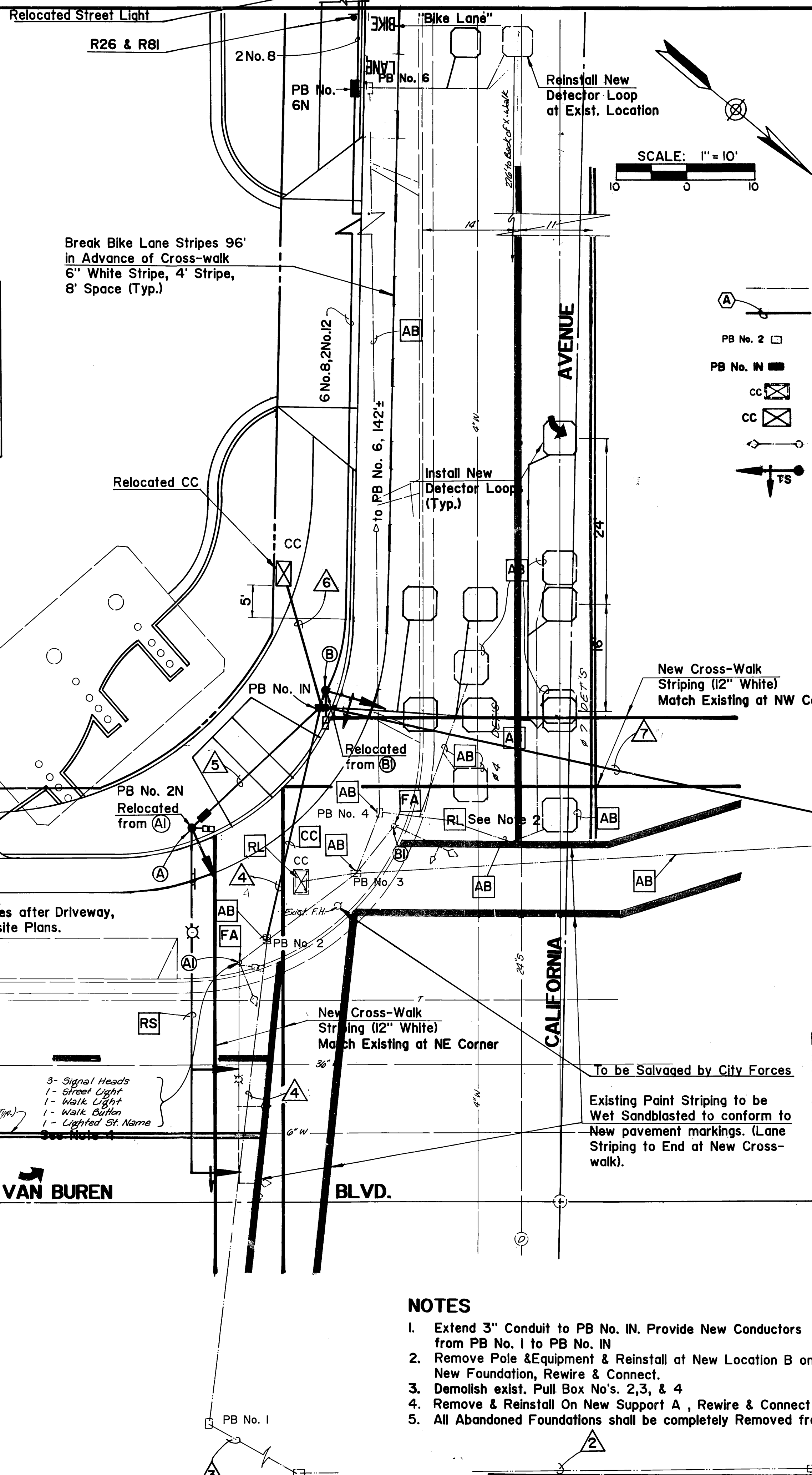
DESIGNED BY: OKT/CMM DRAIN BY: OKT/CMM CHECKED BY: BD/OMA

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *Ray Bell*
 PRINCIPAL ENGINEER DATE: 10/24/91
 SUPERVISOR: *W.K. ...* DATE: 10/24/91
 TRAFFIC DIVISION: *...* DATE: 10/24/91
 CHIEF P.W. ENGINEER: *...* DATE: 10/24/91
 PUBLIC UTILITIES: *...* DATE: 10/24/91

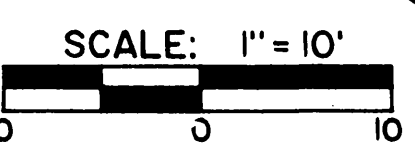
TRAFFIC SIGNAL MODIFICATION PLAN
VAN BUREN BOULEVARD AND CALIFORNIA AVENUE
 FOR: SMITH'S FOOD & DRUG

PROJECT NO. 9012237
X-331A
 SHEET 1 OF 1
 FILE NO:

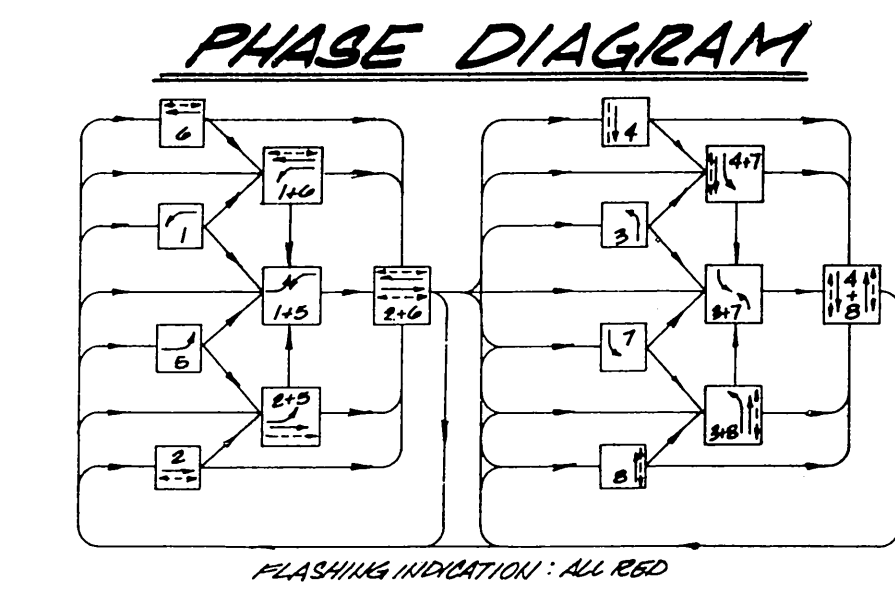
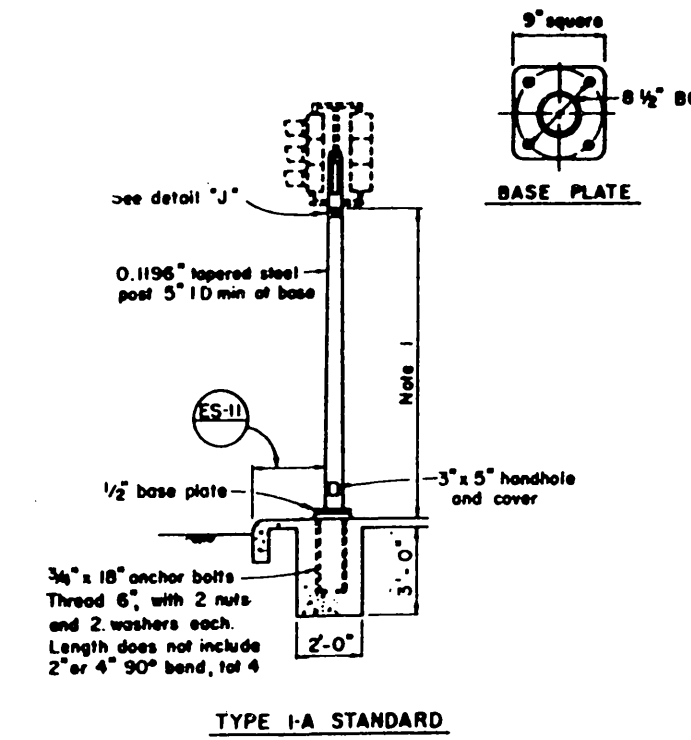


EQUIPMENT SCHEDULE

LOCATION	STANDARD	VEHICLE HEADS			PEDESTRIAN HEADS			LUMINAIRE	INT ILLUM STREET NAME SIGN	REMARKS
		HEAD	MOUNTING	BACK PLATE	HEAD	MOUNTING	PPB			
(A)	29-5-80 15'LA,50'SA	IW,3C(R,Y,CA) IW,3C (12")	MAS MAS SV-I-T	I I I	IW 2C	SP-I-T	I	250-HPS	CALIFORNIA AVE 9500	Existing Equipment to New Standard
(B)	I-C (East)	IW,3C(R,Y,GA)	TV-I-T	I	IW 2C	SP-I-T	I			



- ### LEGEND
- Exist. Conduit & Conductors to be Removed
 - New Conduit & Conductors - See Schedule
 - PB No. 2 Exist. Pull Box - Ident. No.
 - PB No. IN New Pull Box - Ident. No.
 - CC Exist. Control Cabinet
 - CC Relocated Control Cabinet
 - Exist. Traffic Signal Pole w/ Heads
 - New Traffic Signal Pole w/ Heads



- ### NOTES:
- Standards shall be 10'-0" ± 2" for vehicular signals and 7'-0" ± 2" for pedestrian signals unless otherwise noted on plans.
 - Top of standards shall be 4 1/2" OD.
 - Conduits shall extend 2" max above finished surface of foundation and for Type I-A, I-C and I-D shall be sloped toward handhole.
 - Anchor bolts shall be bonded to conduit.
 - Conduit between standard and adjacent pull box shall be 2" min.
 - Tube may be inserted into schedule 40 pipe or buffed as required.

CONDUCTOR SCHEDULE

CONTROL FUNCTION	CONDUCTORS	CONDUIT RUN																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VEHICLE HEADS	14 TW																				
PED. HEADS	3 TW																				
PPB PUSHBUTTON	2 TW																				
12X COMMON SPARES	12 TW																				
12X COMMON SPARES	12 TW																				
25' NAME SIGN	1 TW																				
120' CONDUIT	1 TW																				
LUMINAIRE	1 TW																				
30' WALK SIGN	1 TW																				
TOTALS	14 TW	13	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
EQUIV. #14																					
CONDUIT SIZE		1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	4 1/2"	5"	6"	6 1/2"	8"	10"	12"	14"	16"	18"

NOTE
See "CALTRANS STANDARD PLANS" Sheet ES-1A & ES-1B for Symbols & Abbreviations. See Sheets ES-5A & ES-5B for Detector Details.

All Existing Pavement Striping to be Utilized Except Cross-walks as shown & Bike Lane.

- ### NOTES
- Extend 3" Conduit to PB No. IN. Provide New Conductors from PB No. 1 to PB No. IN
 - Remove Pole & Equipment & Reinstall at New Location B on New Foundation, Rewire & Connect.
 - Demolish exist. Pull Box No's. 2, 3, & 4
 - Remove & Reinstall On New Support A, Rewire & Connect
 - All Abandoned Foundations shall be completely Removed from site

Z & H Engineering, Inc.
717 West Dunlap Avenue
Phoenix, Arizona 85021
Phone (602) 997-7536

APPROVED BY: *[Signature]* DATE: 11/27/89
R.E. No. 010101
Z & H JOB NUMBER 09056

MARK	REVISIONS	APPR.	DATE
DESIGNED BY: Z.C.	DRAWN BY: B.Z.H.	CHECKED BY: W.D.P.	

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]* DATE: 7/20/90
PRINCIPAL ENGINEER
TRAFFIC DIVISION
CHIEF P.W. ENGINEER
PUBLIC UTILITIES

TRAFFIC SIGNALS
CALIFORNIA AVENUE
AT
VAN BUREN BLVD.

ACCOUNT NO. X-331A
SHEET 1 OF 2

HORIZ. SCALE: 1" = 10' VERT. SCALE: 1" = None

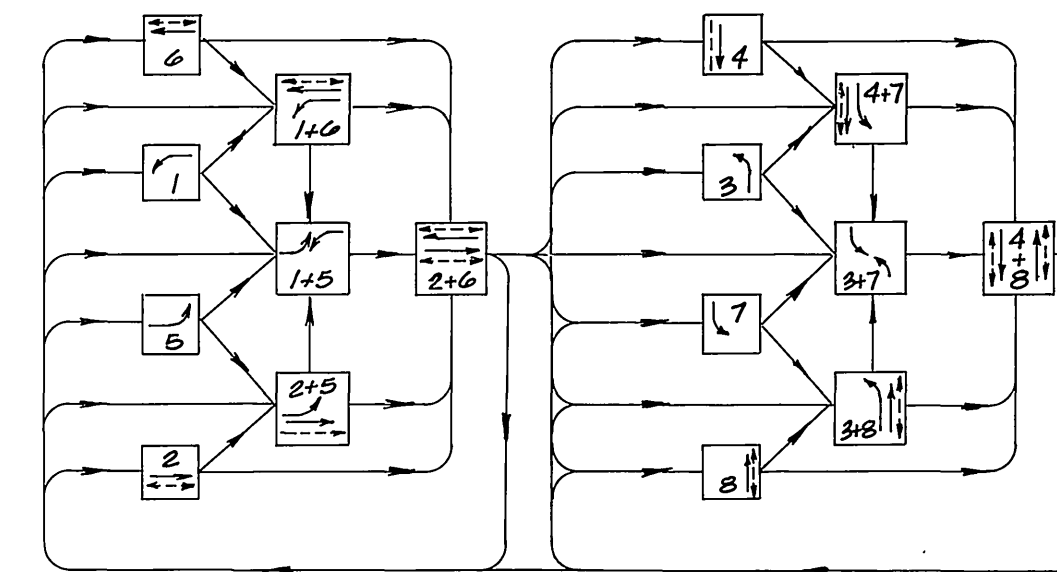
Philip Graham Combs Architects Inc.
3642 University Avenue
Riverside, California 92501
Telephone (714) 686-3520
FAX (714) 686-2558

EQUIPMENT SCHEDULE

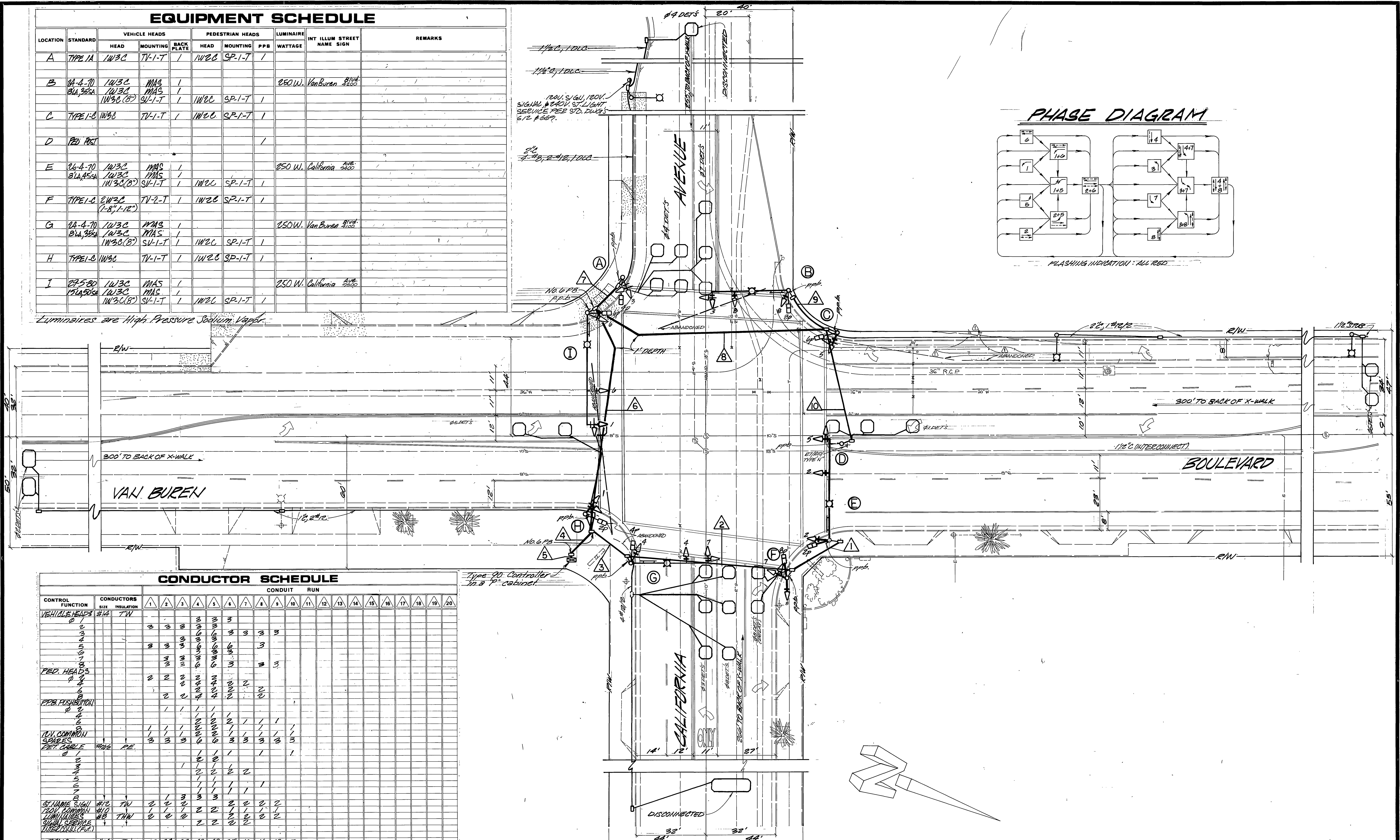
LOCATION	STANDARD	VEHICLE HEADS			PEDESTRIAN HEADS			LUMINAIRE	INT ILLUM STREET NAME SIGN	REMARKS
		HEAD	MOUNTING	BACK PLAT	HEAD	MOUNTING	PPB			
A	TYPE 1A	1W3C	TV-1-T	1	1W2C	SP-1-T	1			
B	1A-4-70 81A, 355A	1W3C 1W3C 1W3C(8)	MAS MAS SU-1-T	1 1 1				850 W.	Van Buren Blvd California Ave	
C	TYPE 1-C	1W3C	TV-1-T	1	1W2C	SP-1-T	1			
D	PED POST									
E	1A-4-70 81A, 355A	1W3C 1W3C 1W3C(8)	MAS MAS SU-1-T	1 1 1	1W2C	SP-1-T	1	850 W.	California Ave 2200	
F	TYPE 1-C	2W3C (1-8", 1-12")	TV-2-T	1	1W2C	SP-1-T	1			
G	1A-4-70 81A, 355A	1W3C 1W3C 1W3C(8)	MAS MAS SU-1-T	1 1 1	1W2C	SP-1-T	1	850 W.	Van Buren Blvd California Ave	
H	TYPE 1-C	1W3C	TV-1-T	1	1W2C	SP-1-T	1			
I	1A-5-80 151A, 505A	1W3C 1W3C 1W3C(8)	MAS MAS SU-1-T	1 1 1	1W2C	SP-1-T	1	850 W.	California Ave 5200	

Luminaires are High Pressure Sodium Vapor.

PHASE DIAGRAM



FLASHING INDICATION: ALL RED



CONDUCTOR SCHEDULE

CONTROL FUNCTION	CONDUCTORS	CONDUIT RUN																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VEHICLE HEADS	#14 TW																				
PED. HEADS	#14 TW																				
PPB PUSHBUTTON	#14 TW																				
TW COMMON SPARES	#14 TW																				
PE	#14 TW																				
TOTALS	#14 TW	13	22	27	49	49	25	10	16	13	5										

Type 20 Controller in 3' cabinet

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature]
DATE: 6/10/83

DESIGNED BY: [Signature] DRAWN BY: [Signature] CHECKED BY: [Signature]

TRAFFIC SIGNALS
CALIFORNIA AVENUE
AT
VAN BUREN BOULEVARD

HORIZ. SCALE: 1"=20'
VERT. SCALE: 1"=

ACCOUNT NO. 33-575-352-06
X-331
SHEET OF