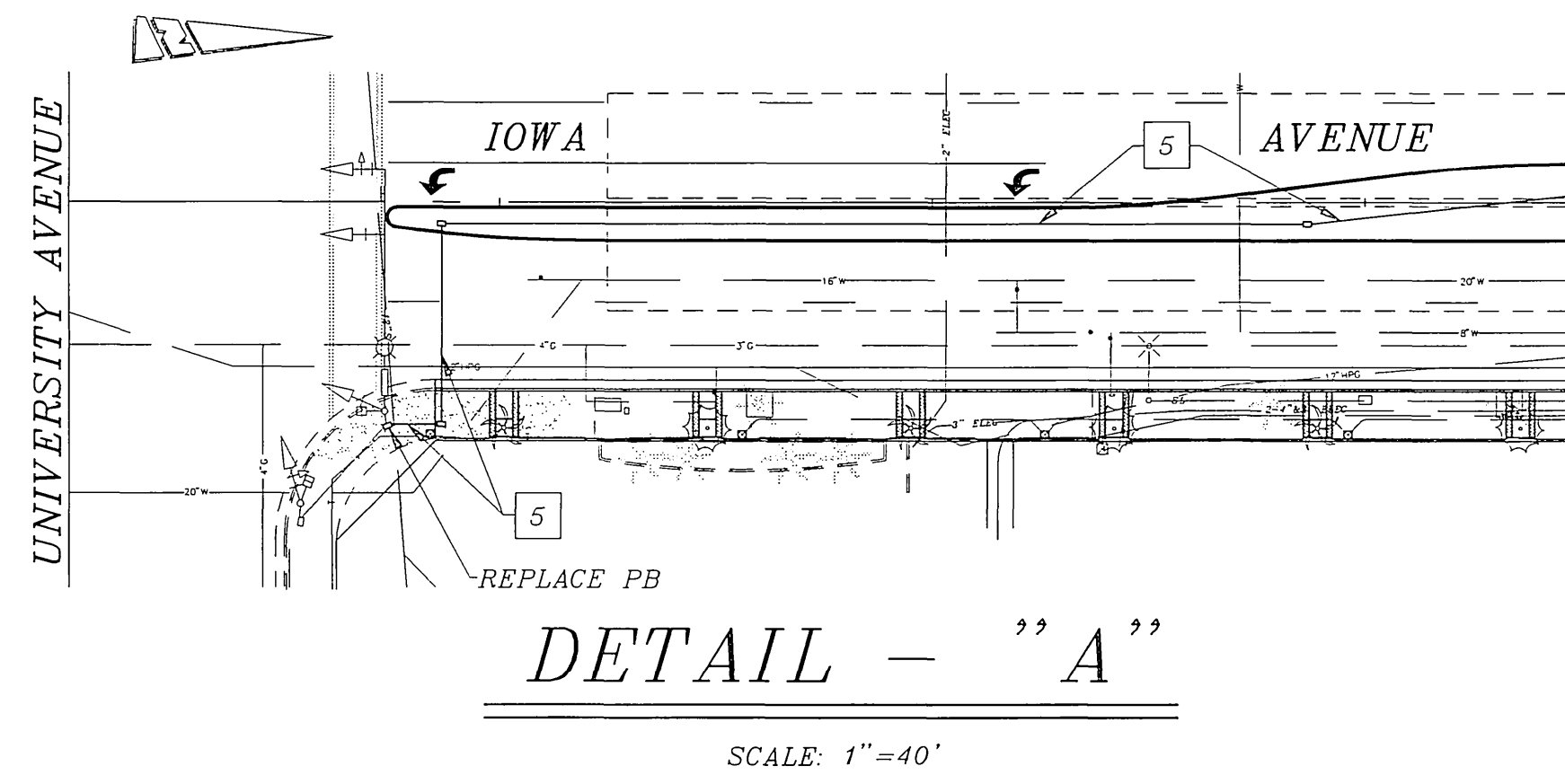


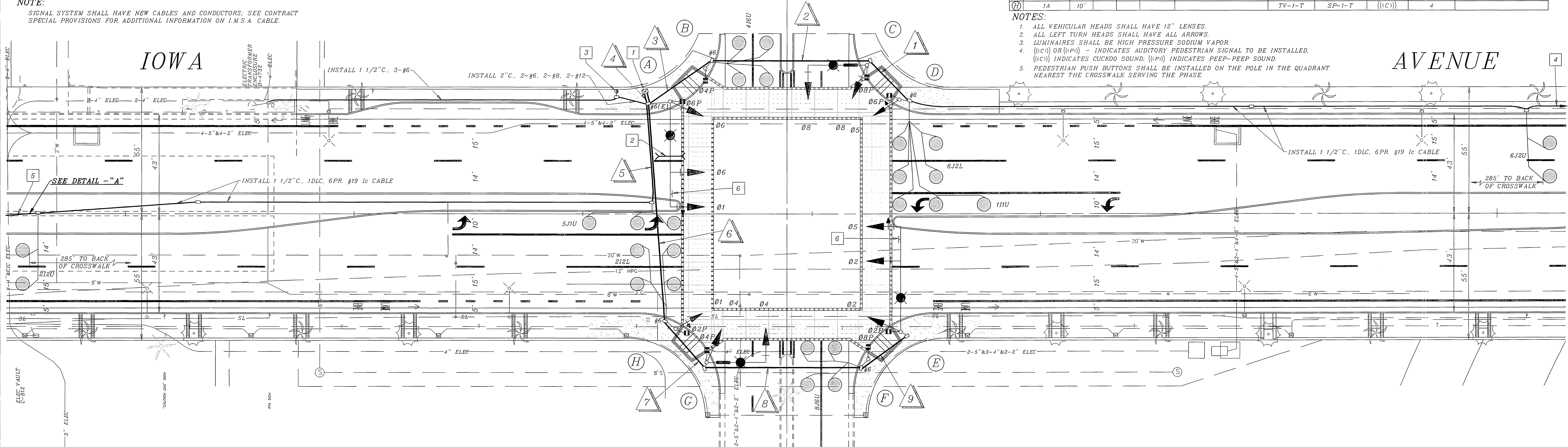
CONDUCTOR		TABLE								
CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS								
		1	2	3	4	5	6	7	8	9
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA	-	1	1	4	-	2	2	1	1
	9 WIRE IMSA	1	1	2	4	-	2	1	1	-
	5 WIRE IMSA	-	-	-	-	-	-	-	-	-
	3 WIRE IMSA	1	2	3	8	-	4	3	2	1
DETECTOR CABLE #16/2		-	-	-	-	-	-	-	-	-
PHASE 1		1	1	1	1	-	-	-	-	-
PHASE 2		-	-	-	2	7	1	-	-	-
PHASE 3		-	-	-	-	-	-	-	-	-
PHASE 4		-	-	1	1	-	-	-	-	-
PHASE 5		-	-	-	1	1	-	-	-	-
PHASE 6		2	2	2	2	-	-	-	-	-
PHASE 7		-	-	-	-	-	-	-	-	-
PHASE 8		-	-	-	1	-	1	1	1	-
TOTALS		3	3	4	8	2	2	1	1	-
INTERCONNECT CABLE (Ic) 6PR #19		1	1	1	2	1	-	-	-	-
I.I.S.N.S. #12		-	2	2	-	-	2	2	-	-
LUMINAIRES #8		-	2	2	-	-	2	2	2	2
SIGNAL SERVICE #6		-	-	-	2	-	-	-	-	-
EMER. PRE-EMPT #20		-	-	-	1	-	-	-	-	-
CONDUIT SIZE		2"	3"	3"	2-3.5"	2"	3"	3"	2.5"	2"

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



EQUIPMENT		SCHEDULE				REMARKS					
SIGNAL STANDARD NO.	TYPE	H.C.H.T.	M.A.	M.A.	H.P.S.V.		I.I.S.N.S. LEGEND	SIGNAL MOUNTINGS VEHICLE	PEDESTRIAN	AUDIBLE	PPB PHASE
(A)	26-3-80	30'	45'	12'	250W		MAS				
							MAS				
							SV-1-T	SP-1-T	((C1))	4	
(B)	1A	7'						TP-1-T	((P1))	6	
(C)	19-4-80	30'	25'	12'	250W	IOWA	AVE 3600	MAS			
							SV-1-T	SP-1-T	((P1))	6	
(D)	1A	10'						TV-1-T	SP-1-T	((C1))	8
(E)	26-3-80	30'	45'	12'	250W		MAS				
							MAS				
							SV-1-T	SP-1-T	((C1))	8	
(F)	1A	7'						TP-1-T	((P1))	2	
(G)	19-4-80	30'	25'	12'	250W	IOWA	AVE 3700	MAS			
							SV-1-T	SP-1-T	((P1))	2	
(H)	1A	10'						TV-1-T	SP-1-T	((C1))	4

NOTES:
 1. ALL VEHICULAR HEADS SHALL HAVE 12" LENSES.
 2. ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
 3. LUMINAIRES SHALL BE HIGH PRESSURE SODIUM VAPOR.
 4. ((C1)) OR ((P1)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED.
 ((C1)) INDICATES CUCKOO SOUND; ((P1)) INDICATES PEEP-PEEP SOUND.
 5. PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.



CONSTRUCTION NOTES

- 1 - INSTALL MODEL 170E/332 CABINET ASSEMBLY ON NEW FOUNDATION.
- 2 - INSTALL EMERGENCY VEHICLE PREEMPTION DETECTOR ON NEW SIGNAL POLE.
- 3 - INSTALL 120V SIGNAL, 120V SIGM, AND 240V ST. LT. SERVICE PER C/R STD. DWG. NO. 667.
- 4 - INSTALL 1 1/2" CONDUIT (270±) AND 6 PR. #19 INTERCONNECT CABLE TO NEAREST PULL BOX AT SW CORNER OF IOWA AV. & LINDEN ST. SEE C/R PLAN X-467 FOR REFERENCE.
- 5 - INSTALL 1 1/2" CONDUIT (340±) TO NEAREST PULL BOX AT NE CORNER OF IOWA AV. & UNIVERSITY AV., SEE DETAIL - "A". INSTALL 6 PR. #19 INTERCONNECT CABLE (650±) TO CONTROLLER CABINET AT SW CORNER OF IOWA AV. & UNIVERSITY AV., SEE C/R PLAN X-133 FOR REFERENCE.
- 6 - FURNISH AND INSTALL R73-2 SIGN (36" x 36") ON SIGNAL MAST ARM PER CALTRANS STANDARD PLAN ES-6T, DETAIL U.

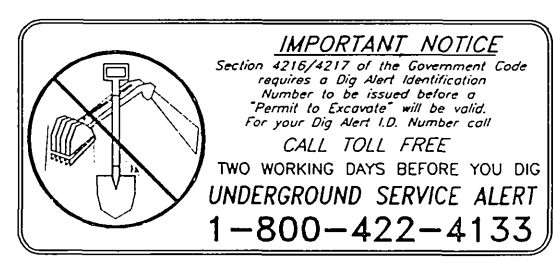
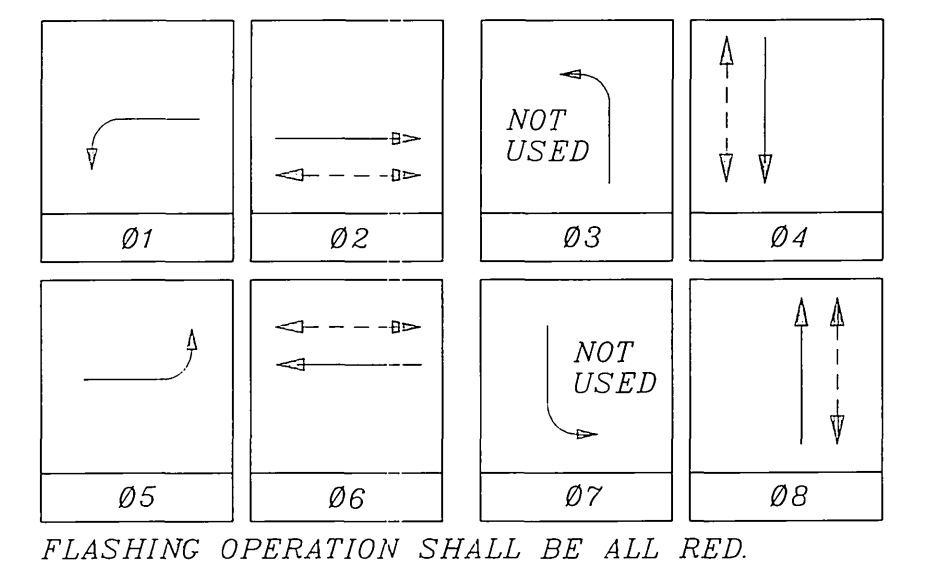
GENERAL NOTES

- 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'.
- 4 - THIS PLAN ACCURATE FOR TRAFFIC SIGNAL WORK ONLY.
- 5 - SEE C/R PLAN R-3416 FOR STREET IMPROVEMENTS.
- 6 - SEE C/R PLAN X1-431 FOR COMPLETE PAVEMENT DELINEATION AND SIGNING REQUIREMENTS.

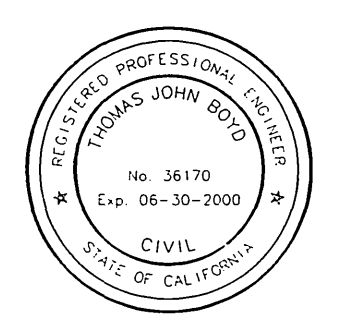
PAVEMENT DELINEATION

- 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.

PHASE DIAGRAM



ENGINEER IN RESPONSIBLE CHARGE
 Thomas John Boyd
 THOMAS JOHN BOYD
 R.C.E. No. 36170
 DATE 12/8/99

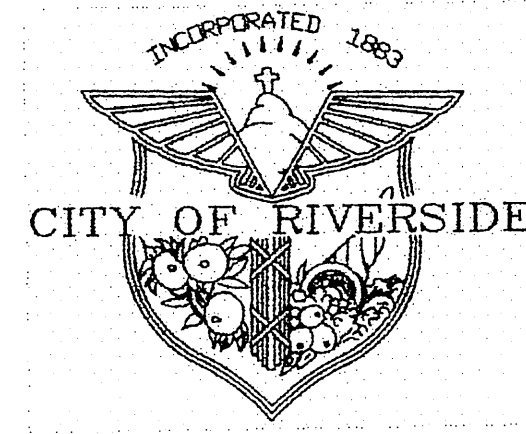


MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: [Signature] DATE: 12/9/99
 PR. INSPECTION: [Signature] DATE: 12/9/99
 TRAFFIC DIVISION: [Signature] DATE: 12/9/99
 CHIEF P.W. ENGR: [Signature] DATE: 12-9-99
 PUBLIC UTILITIES

TRAFFIC SIGNAL
IOWA AVENUE @ UNIVERSITY VILLAGE DRIVEWAY
 ACCT. NO. 476-528160-440446-12127
X-326
 SHEET 1 OF 1
 FILE NAME: X326.DWG
 SCALE: 1" = 20'

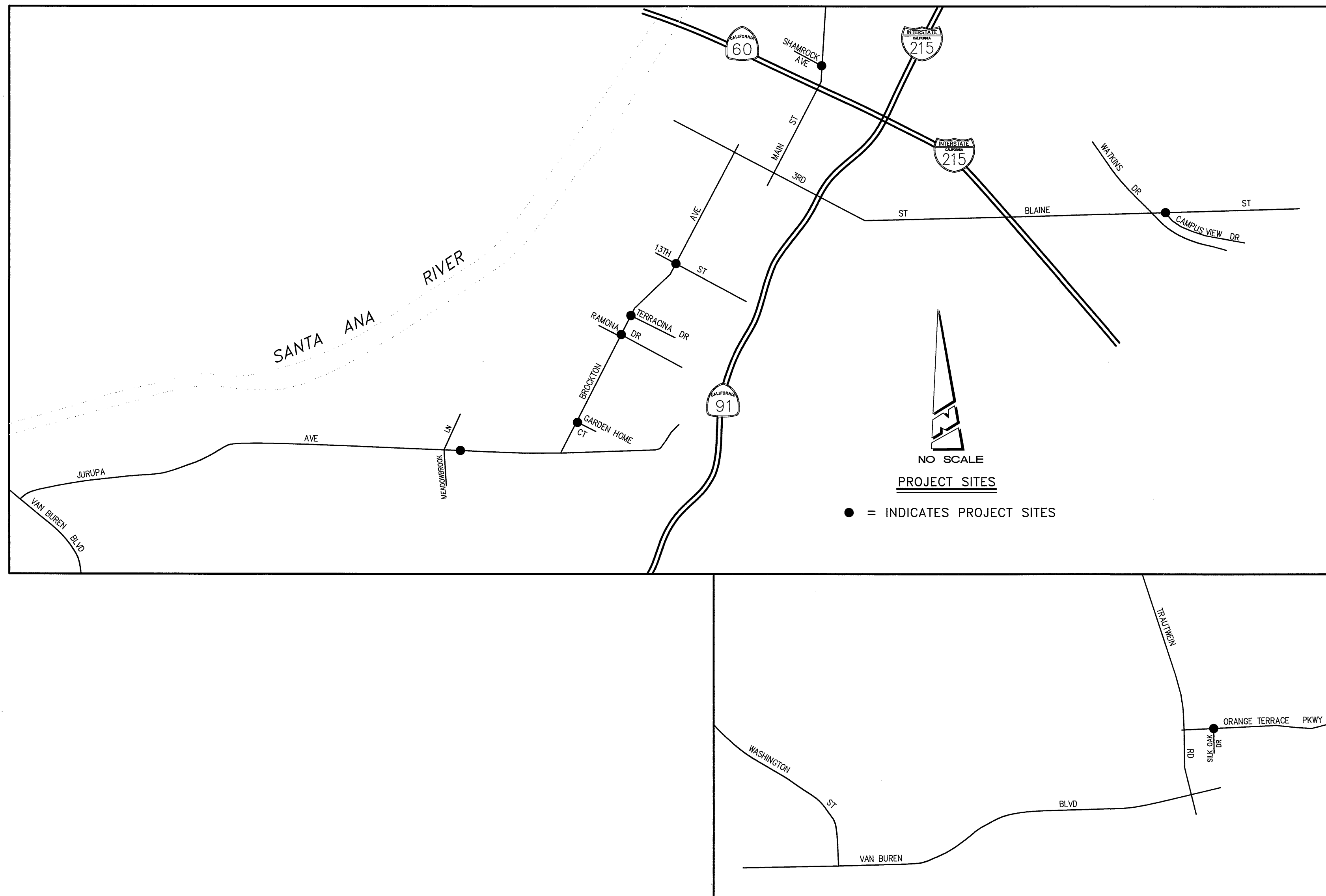
RIVERSIDE



CALIFORNIA

PUBLIC WORKS DEPARTMENT TRAFFIC ENGINEERING DIVISION

CONTRACT TE-01-02



INDEX OF SHEETS

DRAWING NO.	LOCATION	SCHOOL	SHEET
-	COVER SHEET		1
X-326	BLAINE ST AND CAMPUS VIEW DR	HIGHLAND	2
X-473	BROCKTON AVE AND GARDEN HOME CT	MAGNOLIA	3
X-167	BROCKTON AVE AND TERRACINA DR	CENTRAL	4
X-165	BROCKTON AVE AND RAMONA DR	CENTRAL	5
X-166	BROCKTON AVE AND THIRTEENTH ST	GRANT	6
X-251	JURUPA AVE AND MEADOWBROOK LN	PRIVATE SCHOOL	7
X-153	MAIN ST AND SHAMROCK AVE	FREMONT	8
X-254	ORANGE TERRACE PKWY AND SILK OAK DR	FRANKLIN	9



TRAFFIC No. 0860
DATE: 7-12-01
AGA Job No. : 134-003
AGA File Name: RIV17_TS
Print Date : 7/12/01
Last Revision : 7/12/01

ALBERT GROVER & ASSOCIATES
TRANSPORTATION CONSULTING ENGINEERS
211 E. Imperial Hwy., Suite 208 Fullerton, CA 92835
(714) 992-2990
FAX 992-2983

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS				TRAFFIC SIGNAL PLANS		ACCOUNT NO.
APPROVED BY	DATE	BY	APPROVED BY	TITLE SHEET		
PRINCIPAL ENGINEER	8/1/01	AG	R. Mc. Gouth	SHEET 1 OF 9		
INSPECTION	8/1/01	AG	PUBLIC WORKS DIRECTOR	HORIZ. SCALE: 1" = - VERT. SCALE: 1" = -		
TRAFFIC DIVISION	8/1/01	AG				
CHIEF P. W. ENGINEER	8/1/01	AG	DATE: 8-20-2001			
PUBLIC UTILITIES	8/1/01	AG				
DESIGNED BY	DRAWN BY	CHECKED BY				