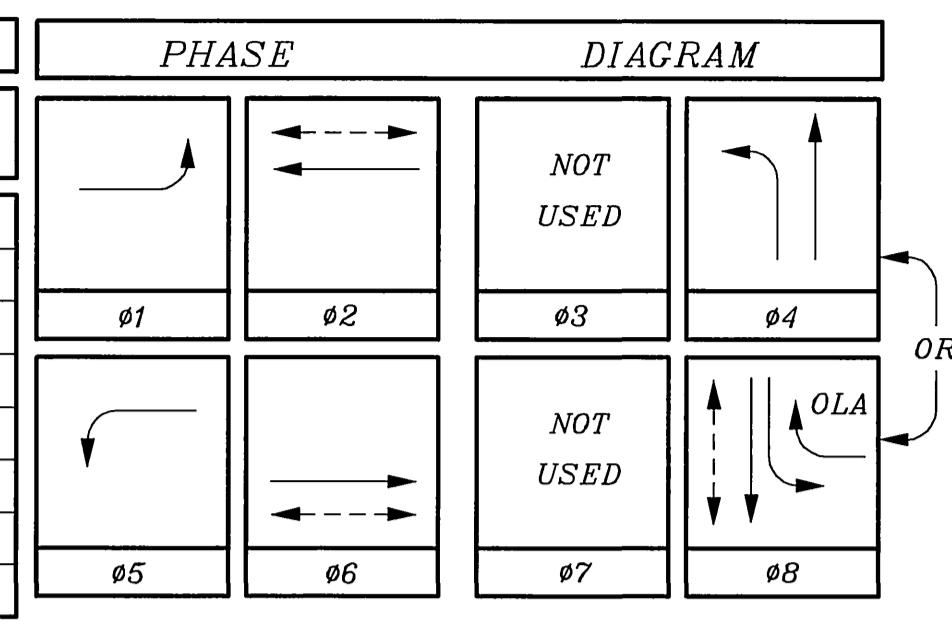


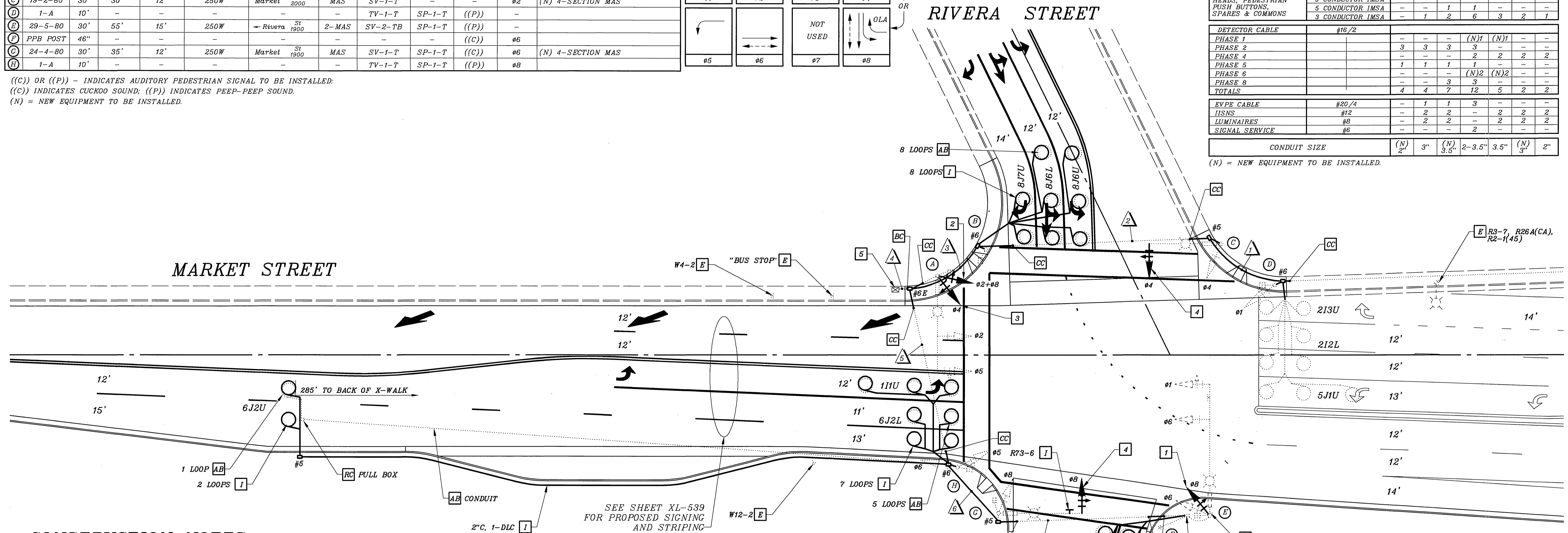
POLE SCHEDULE												
No.	STANDARD			LUMINAIRE HPS	IISNS LEGEND	SIGNAL MOUNTING			PPB PHASE	REMARKS		
	TYPE	HGT.	SIG. M.A.			VEHICLE	PED	AUDIBLE				
A	26-4-80	30'	40'	12'	250W	Rivera St 1900	2-MAS	(N)SV-2-T	SP-1-T	((P))	#8	(N) 5-SECTION LEFT ARROW SEC.
B	1-A	10'	-	-	-	-	-	TV-1-T	SP-1-T	((C))	#2	-
C	19-2-80	30'	30'	12'	250W	Market St 2000	MAS	SV-1-T	-	-	#2	(N) 4-SECTION MAS
D	1-A	10'	-	-	-	-	-	TV-1-T	SP-1-T	((P))	-	-
E	29-5-80	30'	55'	15'	250W	Rivera St 1900	2-MAS	SV-2-TB	SP-1-T	((P))	-	-
F	PPB POST	46"	-	-	-	-	-	-	-	((C))	#6	-
G	24-4-80	30'	35'	12'	250W	Market St 1900	MAS	SV-1-T	SP-1-T	((C))	#6	(N) 4-SECTION MAS
H	1-A	10'	-	-	-	-	-	TV-1-T	SP-1-T	((P))	#8	-

((C)) OR ((P)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED.
 ((C)) INDICATES CUCKOO SOUND; ((P)) INDICATES PEEP-PEEP SOUND.
 (N) = NEW EQUIPMENT TO BE INSTALLED.



CONDUCTOR TABLE								
CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS						
		1	2	3	4	5	6	7
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 CONDUCTOR IMSA 9 CONDUCTOR IMSA 5 CONDUCTOR IMSA 3 CONDUCTOR IMSA	1	2	2	(N)7	3	2	1
DETECTOR CABLE	#16/2	-	-	-	(N)1	(N)1	-	-
PHASE 1		3	3	3	3	-	-	-
PHASE 2		-	-	-	2	2	2	2
PHASE 4		1	1	1	1	-	-	-
PHASE 5		-	-	-	(N)2	(N)2	-	-
PHASE 6		-	-	-	3	3	-	-
PHASE 8		4	4	7	12	5	2	2
TOTALS								
EVPE CABLE	#20/4	-	1	1	3	-	-	-
IISNS	#12	-	2	2	-	2	2	2
LUMINAIRES	#8	-	2	2	-	2	2	2
SIGNAL SERVICE	#6	-	-	-	2	-	-	-
CONDUIT SIZE		(N) 2"	3"	(N) 3.5"	2-3.5"	3.5"	(N) 3"	2"

(N) = NEW EQUIPMENT TO BE INSTALLED.

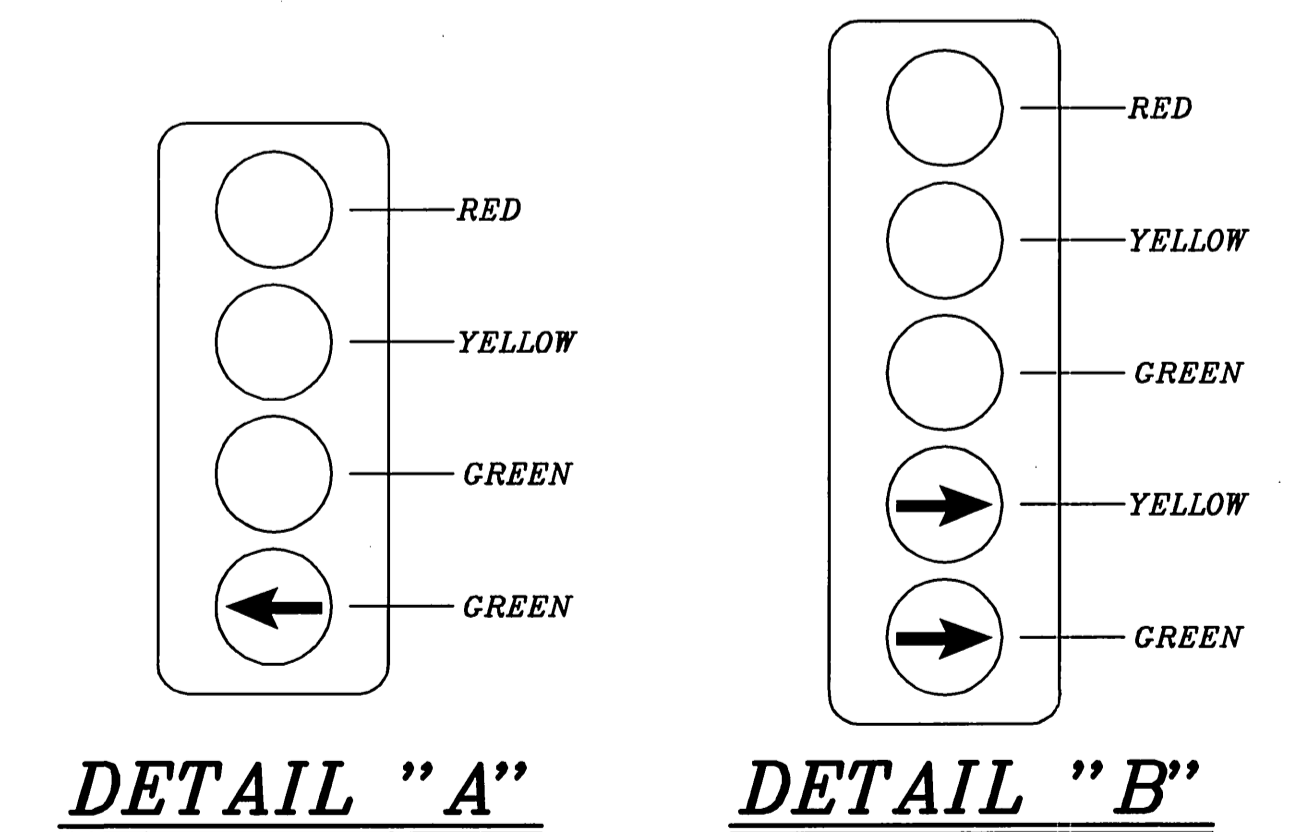
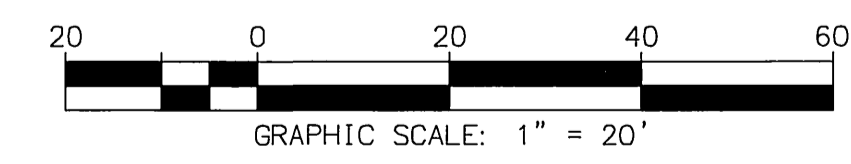


CONSTRUCTION NOTES

- BC INSTALL NEW PULL BOX IN EXISTING CONDUIT RUN.
- CB INSTALL NEW CONDUIT IN EXISTING PULL BOX.
- I INSTALL NEW EQUIPMENT AS NOTED.
- SC SPLICE NEW TO EXISTING CONDUCTORS.
- AB ABANDON EXISTING EQUIPMENT.
- RS REMOVE & SALVAGE EXISTING EQUIPMENT TO CITY YARD.
- E EXISTING EQUIPMENT.
- RC EXISTING EQUIPMENT TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR.
- CC CONNECT NEW TO EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND RE-PULL EXISTING CONDUCTORS AS INDICATED.
- 1 REMOVE AND REPLACE ALL EXISTING LENSES WITH NEW ARROW LENSES.
- 2 REMOVE AND SALVAGE EXISTING 3-SECTION INDICATION. INSTALL NEW 5-SECTION INDICATION WHICH WILL SERVE PHASES 2 & 8. SEE DETAIL "B". INSTALL NEW 12-CSC FROM NEW INDICATION TO EXISTING CONTROLLER.
- 3 INSTALL NEW 3-SECTION INDICATION WITH ALL ARROW LENSES TO SERVE PHASE 4.
- 4 REMOVE AND SALVAGE EXISTING 3-SECTION INDICATION. INSTALL NEW 4-SECTION INDICATION FOR SPLIT PHASING. SEE DETAIL "A".
- 5 CONTRACTOR SHALL SUPPLY AND INSTALL CLARY CORPORATION SP SERIES 1250 PD/RN PLUS UNINTERRUPTED POWER SUPPLY (UPS) OR APPROVED EQUAL. THE UPS BATTERY SHALL BE INSTALLED IN A CLARY CABINET, EXTERNALLY MOUNTED ON THE EXISTING 332 CABINET.
- 6 INSTALL 1 NEW DLC APPROX. 195' TO EXISTING CONTROLLER FOR NEW LOOPS 416L. INSTALL 1 NEW DLC APPROX. 50' TO EXISTING CONTROLLER FOR NEW LOOPS 8J7U.

GENERAL NOTES

- 1 - ALL EXISTING EQUIPMENT THAT IS REMOVED AND SALVAGED SHALL BE RETURNED TO THE CITY OF RIVERSIDE YARD UNLESS OTHERWISE NOTED.
- 2 - ALL NEW SIGNAGE TO HAVE REFLECTIVE SHEETING (ASTM TYPE 11) AS DIRECTED BY THE ENGINEER.
- 3 - CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING TRAFFIC EQUIPMENT DURING CONSTRUCTION.
- 4 - DETECTOR LOOPS SHALL BE TYPE "E" WITH SPACING OF 10', 15' & 30'. SPLICE TO DLC(S) AT ADJACENT PULLBOX AS NECESSARY.
- 5 - CONTRACTOR SHALL PROVIDE AUXILIARY EQUIPMENT AND APPURTENANCES TO PROVIDE SPLIT PHASE OPERATION FOR PHASES #4 & #8.
- 6 - CONTRACTOR SHALL RE-PULL EXISTING CONDUCTORS THROUGH THE NEW SEGMENTS OF CONDUIT TO PROVIDE THE INTENDED OPERATION.



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

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS

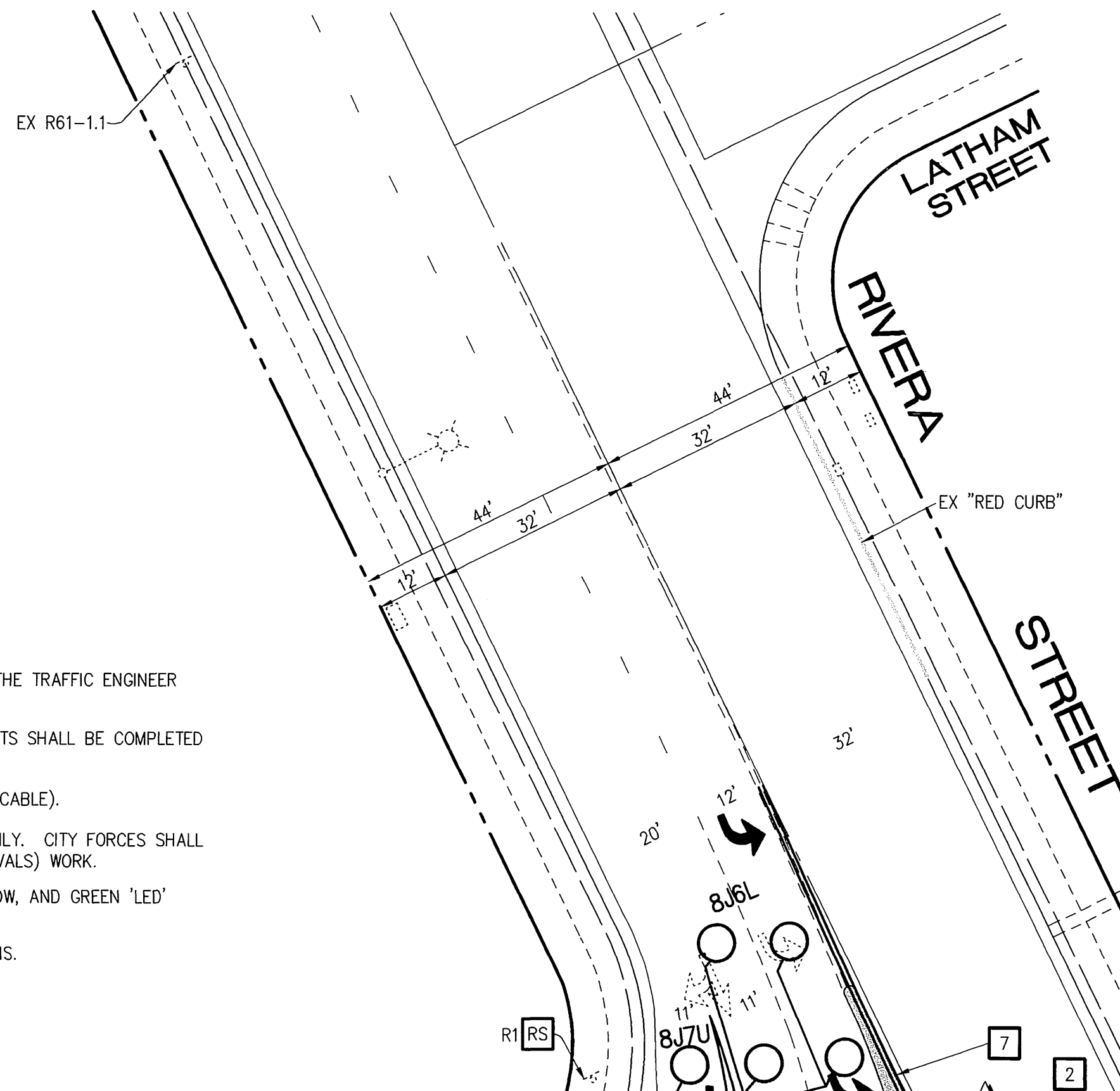
APPROVED BY: [Signature] DATE: 2/23/07
 TRAFFIC DIVISION: [Signature] DATE: 2/23/07

DESIGNED BY: DMC DRAWN BY: DMC CHECKED BY:

SIGNAL MODIFICATION MARKET STREET FROM SANTA ANA RIVER TO RIVERA STREET

ACCT. NO. X-114A
 SHEET 1 OF 1
 FILE NAME: X114A.DWG
 SCALE: 1" = 20'

PHASE		DIAGRAM	
		NOT USED	
ø1	ø2	ø3	ø4
		NOT USED	
ø5	ø6	ø7	ø8



No.	STANDARD				LUMINAIRE HPS	ISSNS LEGEND	SCHEDULE			PPB PHASE	REMARKS	
	TYPE	HGT.	SIG. M.A.	LUM. M.A.			SIGNAL MOUNTING VEHICLE	PED	AUDIBLE			
1	26-4-80	30'	40'	12'	250W	Rivera S1 1900	MAS	MAS	SV-1-T	SP-1-T	((P))	ø8
2	1-A	10'	-	-	-	-	-	-	TV-1-T	SP-1-T	((C))	ø2
3	19-2-80	30'	30'	12'	250W	Market S1 2000	MAS	MAS	SV-1-T	-	-	ø2
4	1-A	10'	-	-	-	-	-	-	TV-1-T	SP-1-T	((P))	-
5	29-5-80	30'	55'	15'	250W	Rivera S1 1900	MAS	MAS	SV-2-TB	SP-1-T	((P))	-
6	PPB POST	3'10"	-	-	-	-	-	-	-	-	((C))	ø6
7	24-4-80	30'	35'	12'	250W	Market S1 1900	MAS	MAS	SV-1-T	SP-1-T	((C))	ø6
8	1-A	10'	-	-	-	-	-	-	TV-1-T	SP-1-T	((P))	ø8

((C)) OR ((P)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED; ((C)) INDICATES CUCKOO SOUND; ((P)) INDICATES PEEP-PEEP SOUND.

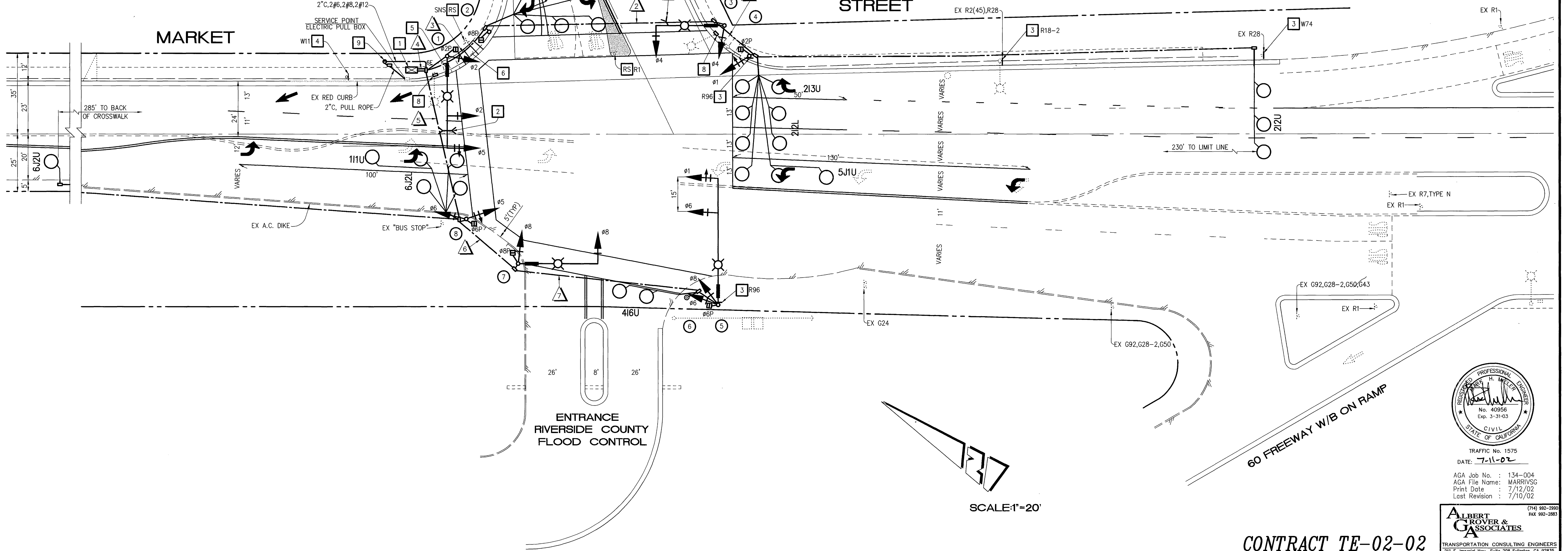
CONTROL FUNCTION	CONDUCTORS	CONDUCTOR TABLE						
		1	2	3	4	5	6	7
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 CONDUCTOR IMSA 9 CONDUCTOR IMSA 5 CONDUCTOR IMSA 3 CONDUCTOR IMSA	1	2	2	6	3	2	1
DETECTOR CABLE	#16/2	-	-	-	1	1	-	-
PHASE 1		-	-	3	3	-	-	-
PHASE 2		-	-	-	-	1	1	1
PHASE 4		-	-	1	1	-	-	-
PHASE 5		-	-	1	1	-	-	-
PHASE 6		-	-	-	-	2	2	-
PHASE 8		-	-	-	-	2	2	-
TOTALS		4	4	6	10	4	1	1
EVPE CABLE	#20/4	-	1	1	3	-	-	-
ISSNS	#12	-	2	2	-	2	2	2
LUMINAIRES	#8	-	2	2	-	2	2	2
SIGNAL SERVICE	#6	-	-	-	2	-	-	-
CONDUIT SIZE		2"	3"	3"	2-3.5"	3.5"	3"	2"

GENERAL NOTES:

- DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
- ALL SIGNING, STRIPING, AND PAVEMENT MARKINGS REQUIREMENTS SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO TURN-ON.
- TYPICAL DETECTOR LOOP SPACING: 10', 15', 30' (WHERE APPLICABLE).
- PAVEMENT DELINEATION SHOWN HEREON IS FOR REFERENCE ONLY. CITY FORCES SHALL PERFORM ALL PERMANENT PAINTING (INSTALLATION AND REMOVALS) WORK.
- ALL VEHICLE HEADS SHALL HAVE 12" LENSES WITH RED, YELLOW, AND GREEN 'LED' TYPE INDICATIONS.
- PEDESTRIAN SIGNAL HEADS SHALL HAVE 'LED' TYPE INDICATIONS.
- PEDESTRIAN PUSH BUTTONS SHALL BE ADA APPROVED TYPE.

CONSTRUCTION NOTES (THIS SHEET):

- INSTALL MODEL 170 CONTROLLER ASSEMBLY WITH MODEL 332 CABINET. INSTALL 3M OPTICOM PHASE SELECTOR MODULE.
- INSTALL 3M OPTICOM DETECTOR MODEL 722 ON MAST ARM BY CLAMPING METHOD. EXACT LOCATION OF DETECTOR TO BE DETERMINED BY ENGINEER IN THE FIELD.
- INSTALL SIGN AS INDICATED. (3 EA.)
- INSTALL SIGN AND POST. (1 EA.)
- REMOVE EXISTING CURB RAMP. RECONSTRUCT 4" P.C.C. SIDEWALK, CURB AND GUTTER PER CITY STD.
- CONSTRUCT P.C.C. CURB RAMP PER CITY STD.
- REMOVE EXISTING MEDIAN. CONSTRUCT 4" A.C. OVERLAY TO MATCH EXISTING CONDITIONS PER CITY STD.
- REMOVE AND SALVAGE EXISTING ELECTROLIER. REMOVE FOUNDATION. INSTALL #5 PULL BOX.
- INSTALL 120V SIGNAL, 120V ISSNS AND 240V STREET LIGHT SERVICE PER STANDARD DWG. NO. 667.



SCALE: 1"=20'



TRAFFIC No. 1575
DATE: 7-11-02
AGA Job No. : 134-004
AGA File Name: MARRIVSG
Print Date : 7/12/02
Last Revision : 7/10/02

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

CONTRACT TE-02-02

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CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS				TRAFFIC SIGNAL PLAN		ACCOUNT NO.
APPROVED BY		DATE	BY	APPROVED BY		X-114 SHEET 9 OF 10
PRINCIPAL ENGINEER		8/22/02	AM	MARRIVSG		
INSPECTION				PUBLIC WORKS DIRECTOR		
TRAFFIC DIVISION		8/15/02	AM			
MARK	REVISIONS	APPR.	DATE	CHIEF P. W. ENGINEER	DATE	
DESIGNED BY	DRAWN BY	CHECKED BY		PUBLIC UTILITIES	8/16/02	

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