

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	1 1 - -	2 1 - 1	3 1 - 2	3 2 1 4	- 1 - 2	- 1 - 1	- 1 - 1
DETECTOR CABLE	#16/2	-	-	-	-	-	-	-
PHASE -		-	-	-	-	-	-	-
PHASE 2		-	3	3	3	-	-	-
PHASE -		-	-	-	-	-	-	-
PHASE 4		-	-	-	2	2	-	-
PHASE 5		-	1	1	1	-	-	-
PHASE 6		-	-	-	3	3	3	3
PHASE -		-	-	-	-	-	-	-
PHASE -		-	-	-	-	-	-	-

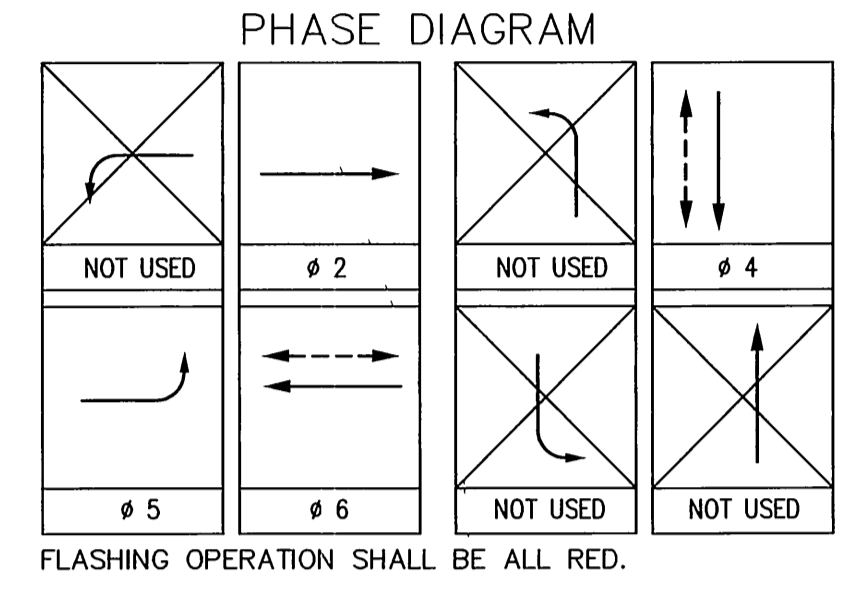
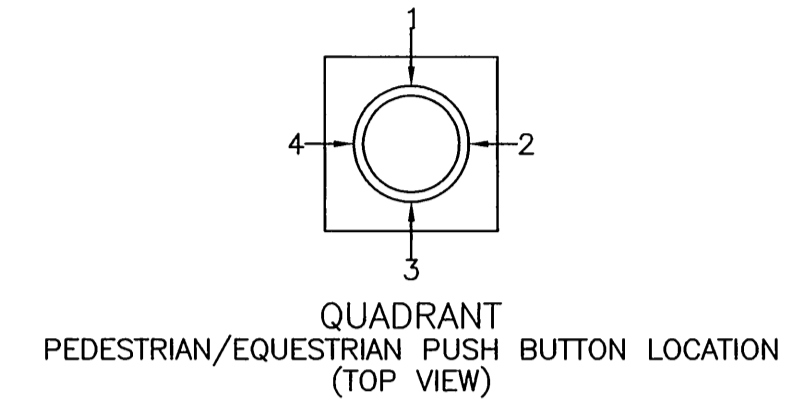
PRIORITY PRE-EMPT	#20	1	2	3	3	-	-	-
I.I.S.N.S.	#12	2	2	-	-	-	-	-
LUMINAIRES	#8	-	-	2	-	2	2	2
SIGNAL SERVICE	#6	-	-	-	2	-	-	-
INTERCONNECT	6 PAIR #19	-	-	1	2	1	1	1

CONDUIT SIZE	3"	3.5"	3.5"	2-3.5"	3"	3"	2"
ALL CONDUITS SHALL BE NEW	N	N	N	N	N	N	N

SEE CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON I.M.S.A.

POLE SCHEDULE											
POLE NO.	TYPE	HEIGHT	MAST ARM LENGTH	SIGNAL LUMINAIRE	MA	SIGNAL MOUNTING	PPB/EPB	H.P.S.V. LUMINAIRE	I.I.S.N.S. LEGEND	REMARKS	
A	26-4-80	30'	45'	15'	2-MAS	SV-1-T	SP-1-T	4 2	250 W	Bountiful St 8900	INSTALL NEW EQUIPMENT.
B	1-A	7'	-	-	-	-	TP-1-T	6 3			INSTALL NEW EQUIPMENT.
C	15	30'	-	15'	-	-	-	6 3	250 W		INSTALL NEW EQUIPMENT.
D	15	30'	-	15'	-	SV-1-T	SP-1-T	-	250 W		INSTALL NEW EQUIPMENT.
E	28-5-80	17'	55'	-	3-MAS	SV-2-T	-	-		Bountiful St 8900	INSTALL NEW EQUIPMENT.
F	18-4-80	17'	25'	-	MAS	SV-1-T	SP-1-T	4 4		Van Buren Blvd 19200 19100	INSTALL NEW EQUIPMENT.

EXACT POLE LOCATION TO BE DETERMINED BY THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE IN THE FIELD.
ALL VEHICLE SIGNALS SHALL HAVE 12" LENS (GLASS) AND 12" RED LED.
SINGLE SIDED I.I.S.N.S.

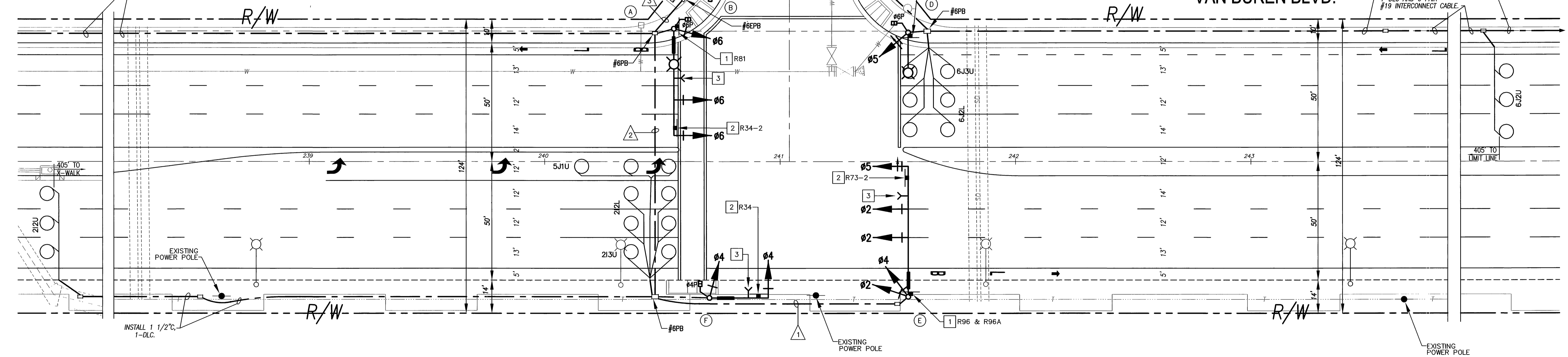


CONSTRUCTION NOTES:

- INSTALL SIGN ON POLE PER CALTRANS STANDARDS.
- INSTALL SIGN ON MAST ARM PER CALTRANS STANDARDS.
- INSTALL NEW PRE-EMPTION DETECTOR. SEE SPECIAL PROVISIONS.

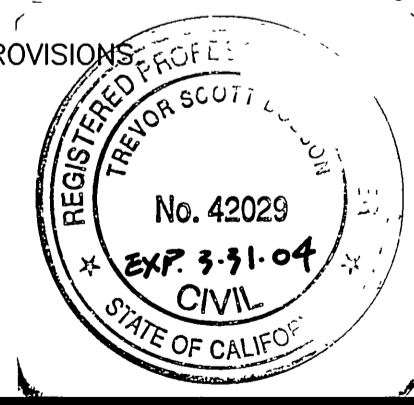
INSTALL 1 1/2" #5 PULL BOXES ON 200' CENTERS, TO PULL BOX 400' FROM WOOD RD. (APPROX. 500')
INSTALL 6 PAIR #19 INTERCONNECT CABLE TO CONTROLLER NEAR THE SOUTHWEST CORNER OF WOOD RD. (APPROX. 1,100')

INSTALL 1 1/2" #5 PULL BOXES ON 200' CENTERS, TO PULL BOX NEAR E.C.R. AT TRAUTWEIN RD. (APPROX. 1,100') AND INSTALL 6 PAIR #19 INTERCONNECT CABLE TO CONTROLLER NEAR THE SOUTHEAST CORNER.

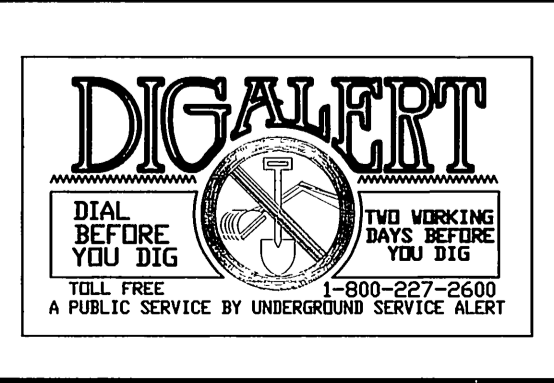


GENERAL NOTES:

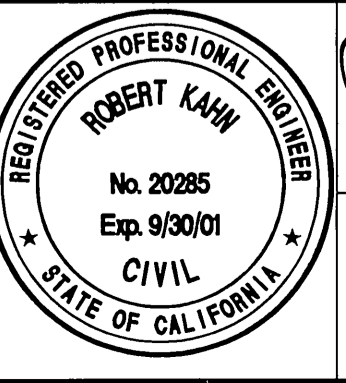
- TRAFFIC SIGNAL WORK SHALL CONFORM TO THE PROVISIONS OF SECTION 86 OF THE MOST CURRENT STANDARD SPECIFICATIONS, THE STANDARD PLANS: BOTH PUBLISHED BY CALTRANS, APPLICABLE CITY OF RIVERSIDE STANDARD DRAWINGS, AND THE CONTRACT SPECIAL PROVISIONS.
- ALL EQUIPMENT AND LOOP LOCATIONS SHALL BE APPROVED BY 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. SEE SIGNING AND STRIPING PLAN XL-436.
- 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', 15' SPACINGS 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 SHOWN OTHERWISE.
- SPLICING OF THE CONDUCTORS IS NOT ALLOWED.
- 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-3545.
- CALL (909) 351-6096 AT LEAST 48 HOURS IN ADVANCE FOR INSPECTION.
- INSPECTION FEE WILL BE AT THE RATE OF \$55 PER HOUR.
- ALL PAVEMENT MARKINGS EXCEPT FOR STRIPING SHALL BE THERMOPLASTIC PER THESE SPECIAL PROVISIONS.



REVISION #1 BY:
MDS CONSULTING
17320 REDHILL AVE, SUITE 350
IRVINE, CA 92614
(949) 251-8821
Trevor S. Dodson RCE # 42029
DATE 3-29-02



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 TO ALL CONTRACTORS 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:
Robert K. Kwan
REGISTERED CIVIL ENGINEER NO. 20285
EXPIRATION DATE: 09-30-01 DATE: 4/12/02

RKJK
TRAFFIC ENGINEERING & DESIGN SERVICES
1601 Dove St., Suite 290 • Newport Beach, CA 92660
Phone: (949) 474-0809 Fax: (949) 474-0902

SCALE: 1" = 20'
DATE: 1/25/00

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature]
DATE: 5-3-2000

TRACT No. 28866
SIGNAL INSTALLATION PLAN
VAN BUREN BLVD.
AND
BOUNTIFUL ST.
FOR: COMMUNITIES SOUTHWEST
PROJECT NO. X-505
SHEET 1 OF 1
FILE NO.:

1029-99-01-SHT3.DWG-BW-4/10/00