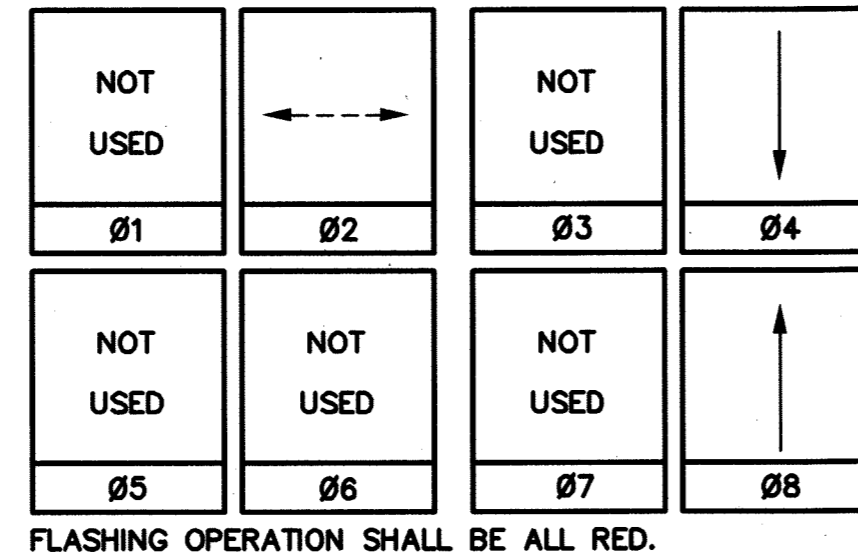


CONDUCTOR TABLE

CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS						
		1	2	3	4	5	6	7
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE CSC	1	2	2	2	1	2	4
	3 WIRE CSC	-	1	2	3	-	2	4
LUMINAIRES	#8	-	2	2	2	-	2	-
SIGNAL SERVICE	#6	-	2	2	2	-	-	2
VIDEO CABLE	COAXIAL	1	1	1	-	1	2	-
CONDUIT SIZE		3"	3"	3"	3"	3"	3"	4"

PHASE DIAGRAM



TRAFFIC SIGNAL GENERAL NOTES:

- ALL ITEMS FURNISHED AND ALL WORK TO BE DONE SHALL CONFORM TO THE REQUIREMENTS OF: THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS AND SPECIFICATIONS, DATED MAY 2006; THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES ADOPTED SEPTEMBER 2006; AND THE SPECIAL PROVISIONS.
- THE CONTRACTOR IS REQUIRED TO ASCERTAIN THE EXACT LOCATION OF ALL KNOWN SUBSTRUCTURES AND UTILITIES PRIOR TO DOING WORK THAT MAY DAMAGE OR INTERFERE WITH SUCH FACILITIES ("UNDERGROUND SERVICE ALERT" (800) 227-2600)
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO NOTIFY ALL AFFECTED AGENCIES AND THE RIVERSIDE UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.
- CONDUCTOR SCHEDULE IS FURNISHED AS AN INSTALLATION GUIDELINE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
- CONDUIT BETWEEN ADJOINING PULL BOXES SHALL BE 2.5" UNLESS SHOWN OTHERWISE. ALL CONDUIT AND FITTINGS SHALL BE RIGID METAL, UNLESS SHOWN OTHERWISE (BURIED IN A MINIMUM OF 30" OF COVER IN THE STREET AND PARKWAY).
- UNDERGROUND SIGNAL CONDUCTORS SHALL NOT BE SPLICED.
- PULL BOXES SHALL BE NO. 6, UNLESS OTHERWISE NOTED ON THE PLAN WITH THE PULL BOX LID LABELED "TRAFFIC".
- PULL BOXES SHALL NOT BE LOCATED IN OR WITHIN 1' OF ANY CURB ACCESS RAMP OR DRIVEWAY.
- THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER THE PRECISE FIELD LOCATIONS OF ALL TRAFFIC SIGNAL EQUIPMENT PRIOR TO THE INSTALLATION.
- ALL LANDSCAPING WHICH IS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CITY AND THE PROPERTY OWNER.
- VEHICLE HEADS SHALL BE 12" LED TYPE. THE HOUSING, BACKPLATES AND VISORS SHALL BE METAL.
- DAMAGED SIDEWALK CONCRETE SHALL BE REPLACED PER CITY OF RIVERSIDE STANDARD.
- CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING LANDSCAPING. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ANY DAMAGED LANDSCAPING TO CITY OF RIVERSIDE STANDARD.

LEGEND NOTES:

- (PM) INSTALL THERMOPLASTIC PAVEMENT MARKING AS NOTED.
- (RS) REMOVE AND SALVAGE SIGN(S) AND/OR POST(S) IF APPLICABLE AND LUMINAIRE AND LUMINAIRE ARM AS NOTED.
- P EXISTING SIGN
- (XX') EXISTING WIDTH
- E EXISTING TO REMAIN
- [VIDEO DETECTION ZONE]

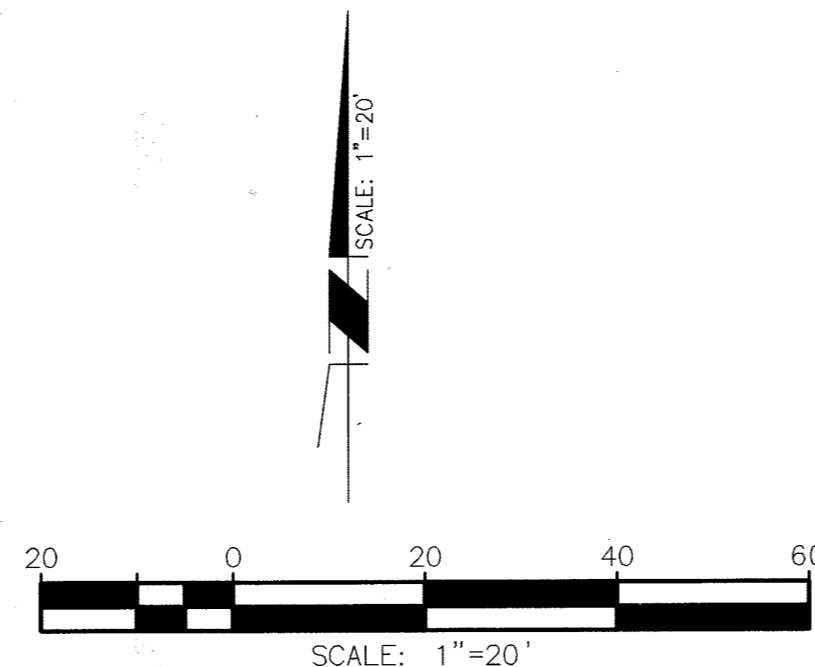
EQUIPMENT SCHEDULE

NO.	SIGNAL STANDARD	TYPE	HEIGHT	M.A.	L.A.	H.P.S.V.	SIGNAL MOUNTINGS			PPB PHASE	REMARKS
							VEHICLE	PEDESTRIAN	AUDIBLE		
A	16-3-100	TYPE 15TS	18.5'	20'	-	-	M/S	SV-1-T	-	-	PEDESTRIAN HEAD MOUNTED AT 10'
B	16-3-100	TYPE 15TS	30'	-	-	250W	-	-	SP-1-T	((P))	PEDESTRIAN HEAD MOUNTED AT 10'
C	16-3-100	PPB	40"	-	-	-	-	-	-	Ø2	
D	16-3-100	PPB	40"	-	-	-	-	-	-	Ø2	
E	16-3-100	TYPE 15TS	18.5'	20'	-	-	MAS	SV-1-T	-	-	PEDESTRIAN HEAD MOUNTED AT 10'
F	16-3-100	TYPE 15TS	30'	-	-	250W	-	-	SP-1-T	((P))	PEDESTRIAN HEAD MOUNTED AT 10'

- NOTES:**
- ((P)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED, "PEEP-PEEP" SOUND
 - PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.
 - CONTRACTOR SHALL FURNISH ALL EQUIPMENT AND APPURTENANCES.
 - ALL SIGNING, STRIPING, AND PAVEMENT MARKING REQUIREMENTS SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO SIGNAL TURN-ON.
 - CONTRACTOR SHALL POTHOLE MAST ARM POLE LOCATIONS PRIOR TO ORDERING POLES AND MAST ARMS.
 - PEDESTRIAN INDICATION SHALL BE "COUNT-DOWN" L.E.D. TYPE.
 - ALL VEHICLE HEADS SHALL HAVE 12" LENSES.

CONSTRUCTION NOTES:

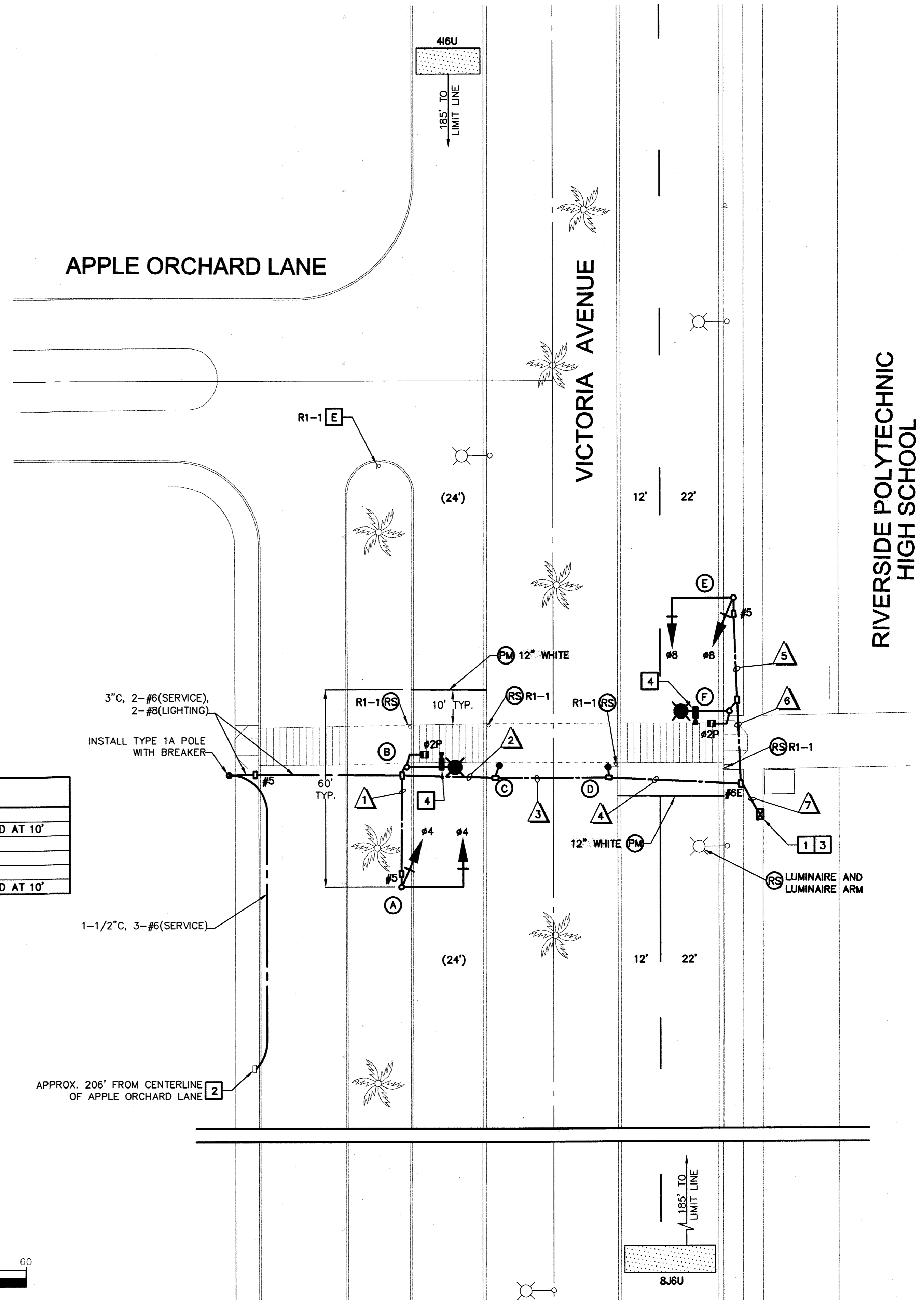
- CONTRACTOR SHALL CONSTRUCT (TYPE 332 CABINET) FOUNDATION. CONTRACTOR SHALL FURNISH AND INSTALL MODEL 170E CONTROLLER ASSEMBLY IN MODEL 332 ANODIZED ALUMINUM CABINET, COMPLETE WITH DETECTION SHOWN AND AUXILIARY EQUIPMENT WITHIN A TYPE 332 CABINET PER CITY OF RIVERSIDE SPECIFICATIONS.
- INSTALL ELECTRICAL SERVICE PER CITY OF RIVERSIDE STANDARD DRAWING No. 667. CONTRACTOR SHALL COORDINATE WITH CITY OF RIVERSIDE ELECTRICAL UTILITY DEPARTMENT AT (951) 826-5452 FOR ELECTRICAL SERVICE A MINIMUM OF THREE WEEKS PRIOR TO TRAFFIC SIGNAL TURN ON.
- CONTRACTOR SHALL PROVIDE AND INSTALL A CLARY CORPORATION SP SERIES 1250PD-R/N PLUS UNINTERRUPTED POWER SUPPLY (UPS) OR APPROVED EQUAL. THE UPS BATTERIES SHALL BE INSTALLED IN A CLARY CABINET, EXTERNALLY MOUNTED TO THE CONTROLLER CABINET.
- CONTRACTOR SHALL FURNISH AND INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE/SIGNAL MAST ARM AND 15" FLIP UP COLOR MONITOR IN THE CONTROLLER CABINET. CAMERAS SHALL BE PROGRAMMED BY THE CONTRACTOR. SEE SPECIAL PROVISIONS FOR SPECIFICATIONS.



APPLE ORCHARD LANE

VICTORIA AVENUE

RIVERSIDE POLYTECHNIC HIGH SCHOOL



<p>Under Ground Service Alert of Southern California Call: TOLL FREE 1-800-227-2630 TWO WORKING DAYS BEFORE YOU DIG</p>	<p>ENGINEER IN RESPONSIBLE CHARGE</p> <p>GILBERT M. HERNANDEZ R.C.E. No. 69170 EXPIRES: 6-30-08 DATE: 1-22-08</p>		<p>CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS</p>		<p>TRAFFIC SIGNAL PLAN</p>	<p>X-523</p>
			<p>APPROVED BY: [Signature] DATE: 2/22/08</p>	<p>APPROVED BY: [Signature] DATE: 2/22/08</p>	<p>VICTORIA AVENUE AT POLY HIGH SCHOOL</p>	<p>SHEET 1 OF 1</p>