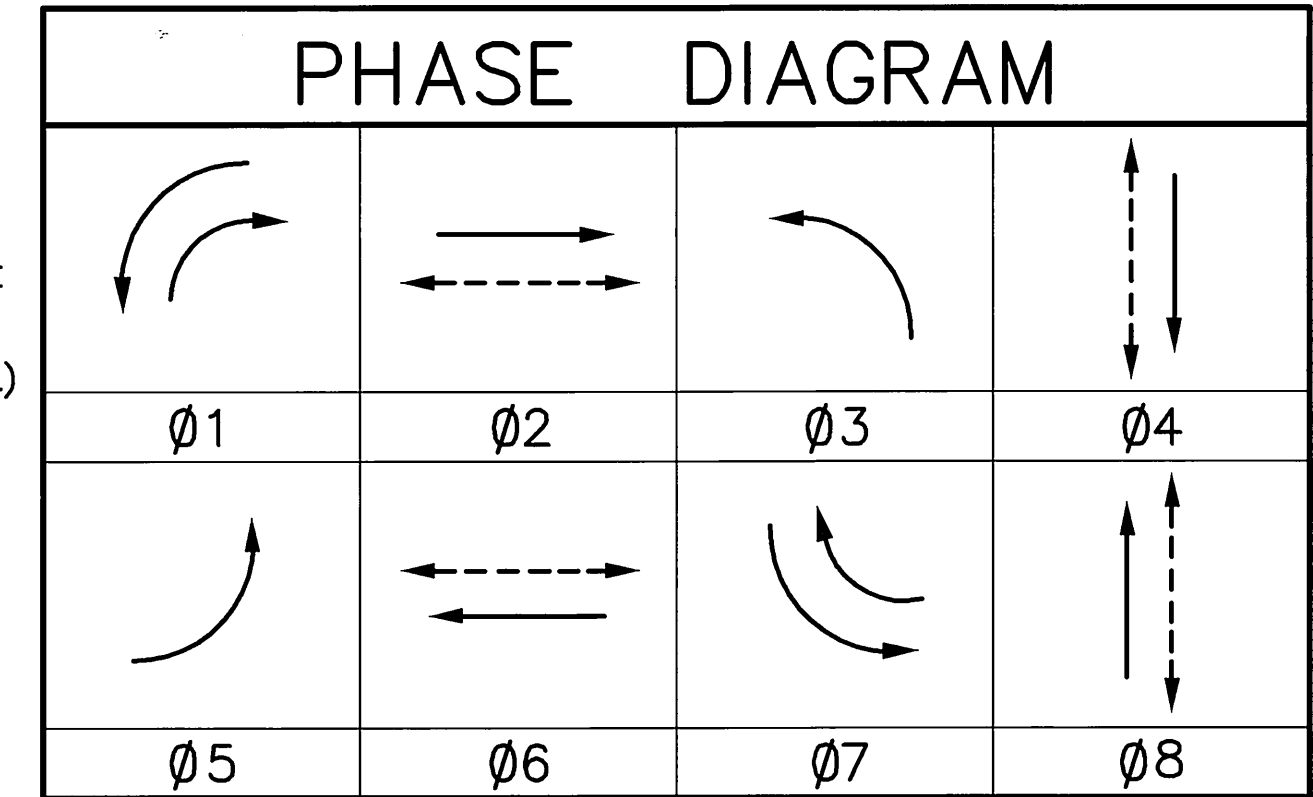
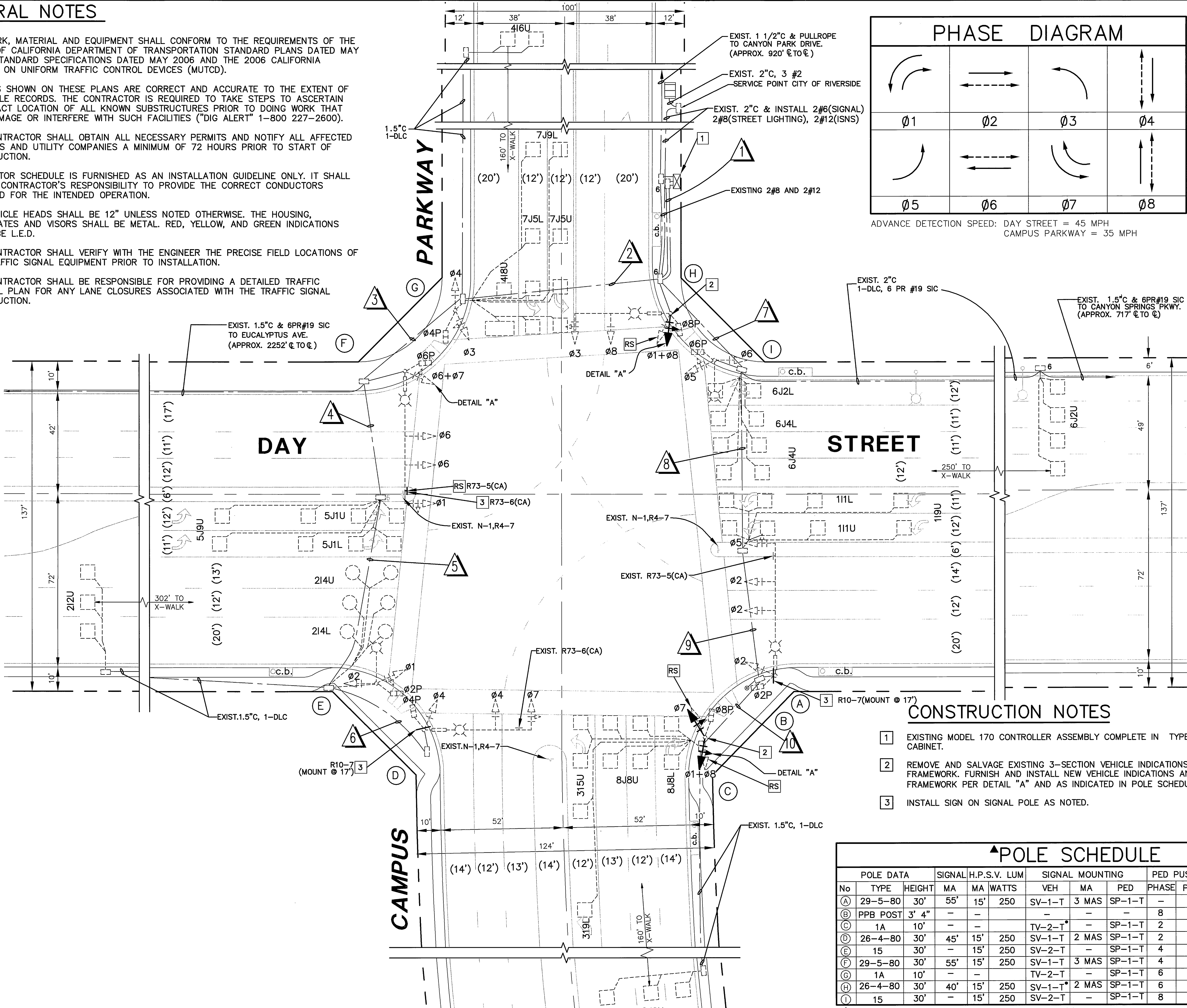


GENERAL NOTES

- ALL WORK, MATERIAL AND EQUIPMENT SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS DATED MAY 2006, STANDARD SPECIFICATIONS DATED MAY 2006 AND THE 2006 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- UTILITIES SHOWN ON THESE PLANS ARE CORRECT AND ACCURATE TO THE EXTENT OF AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE STEPS TO ASCERTAIN THE EXACT LOCATION OF ALL KNOWN SUBSTRUCTURES PRIOR TO DOING WORK THAT MAY DAMAGE OR INTERFERE WITH SUCH FACILITIES ("DIG ALERT" 1-800 227-2600).
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND NOTIFY ALL AFFECTED AGENCIES AND UTILITY COMPANIES A MINIMUM OF 72 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.
- ALL VEHICLE HEADS SHALL BE 12" UNLESS NOTED OTHERWISE. THE HOUSING, BACKPLATES AND VISORS SHALL BE METAL. RED, YELLOW, AND GREEN INDICATIONS SHALL BE L.E.D.
- THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER THE PRECISE FIELD LOCATIONS OF ALL TRAFFIC SIGNAL EQUIPMENT PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A DETAILED TRAFFIC CONTROL PLAN FOR ANY LANE CLOSURES ASSOCIATED WITH THE TRAFFIC SIGNAL CONSTRUCTION.

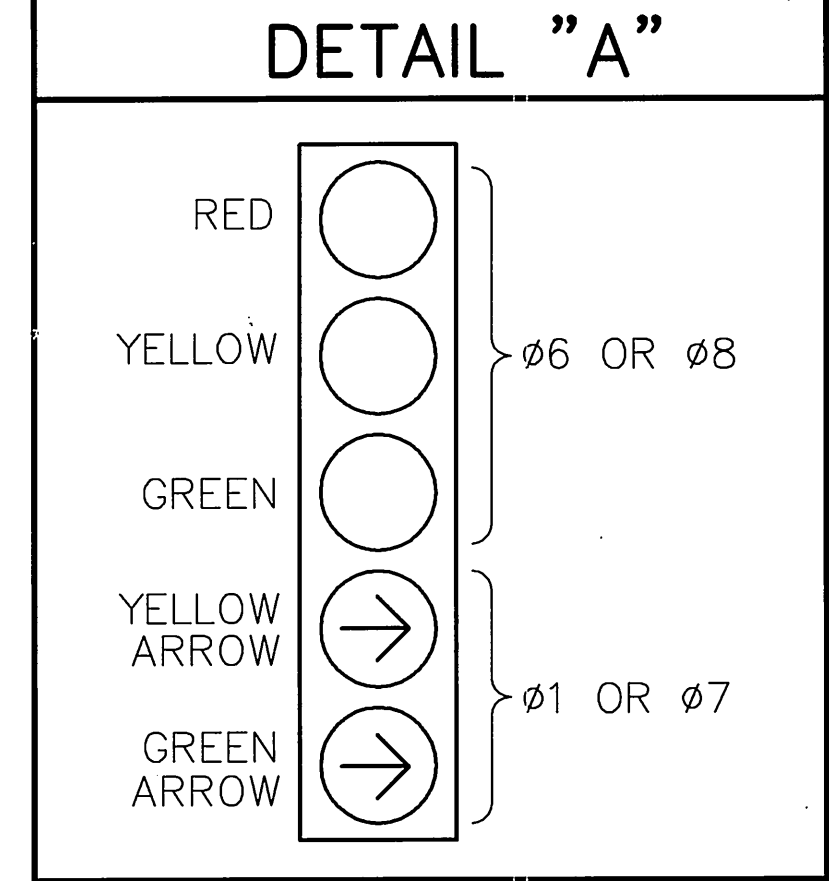


ADVANCE DETECTION SPEED: DAY STREET = 45 MPH
CAMPUS PARKWAY = 35 MPH

CONDUCTOR SCHEDULE

AWG	CIRCUIT	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
#14	Ø1	3	3	3	3	3	3	3	3
	Ø2	6	3	3	3	3	3	3	3
	Ø3	3	3						
	Ø4	3	3	3	3	3	3		
	Ø5	3						3	3
	Ø6	6	3	3				3	
	Ø7	8	5	5	3	3	3	3	3
	Ø8	3						3	3
	Ø2P	4	2	2	2	2		2	2
	Ø4P	2	2	2	2	2			
	Ø6P	4	2	2				2	
	Ø8P	2						2	2
Ø2PPB	2	1	1	1	1	1	1	1	
Ø4PPB	1	1	1	1	1				
Ø6PPB	2	1							
Ø8PPB	1						1	1	
PPB COMMON	2	1	1	1	1	1	1	1	
SPARES	6	3	3	3	3	3	3	3	
TOTAL	59	31	27	22	22	13	30	25	18
#12	I.I.S.N.S		2	2	2	2	2	2	2
#10	SIGNAL COMMON	2	1	1	1	1	1	1	1
#8	LUMINAIRE		2	2	2	2	2	2	2
DLC	Ø1	3							
	Ø2	3	3	3	3	3			
	Ø3	2						2	2
	Ø4	2	2						
	Ø5	3	3	3	3				
	Ø6	4						4	
	Ø7	2	2						
	Ø8	3							
	TOTAL	22	10	6	6	3		12	8
6PR#19 SIC	2	1	1				1		
CONDUIT SIZE	2-3"	3"	3"	3"	3"	2"	3"	3"	2"

ALL CONDUCTORS AND CONDUITS ARE EXISTING UNLESS OTHERWISE NOTED: (•)=NEW



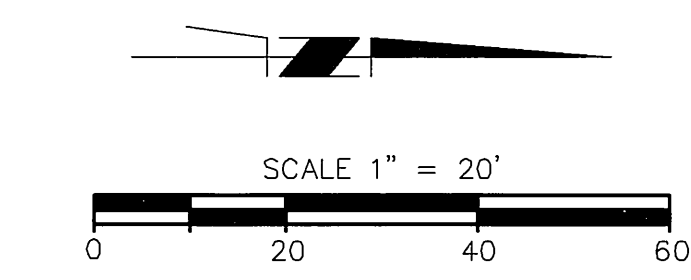
CONSTRUCTION NOTES

- EXISTING MODEL 170 CONTROLLER ASSEMBLY COMPLETE IN TYPE 332 CABINET.
- REMOVE AND SALVAGE EXISTING 3-SECTION VEHICLE INDICATIONS AND FRAMEWORK. FURNISH AND INSTALL NEW VEHICLE INDICATIONS AND FRAMEWORK PER DETAIL "A" AND AS INDICATED IN POLE SCHEDULE.
- INSTALL SIGN ON SIGNAL POLE AS NOTED.

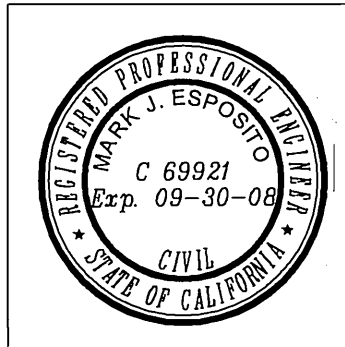
POLE SCHEDULE

No	POLE DATA			SIGNAL H.P.S.V. LUM	SIGNAL MOUNTING			PED PUSH BUTTON		IISNS (TYPE A) MESSAGE (DBL FACE)	
	TYPE	HEIGHT	MA		MA	VEH	MA	PED	PHASE		POLE QUAD
(A)	29-5-80	30'	55'	15'	250	SV-1-T	3 MAS	SP-1-T	-	-	Campus Pkwy
(B)	PPB POST	3' 4"	-	-	-	-	-	-	8	S	-
(C)	1A	10'	-	-	-	TV-2-T	-	SP-1-T	2	W	-
(D)	26-4-80	30'	45'	15'	250	SV-1-T	2 MAS	SP-1-T	2	W	Day St
(E)	15	30'	-	15'	250	SV-2-T	-	SP-1-T	4	N	-
(F)	29-5-80	30'	55'	15'	250	SV-1-T	3 MAS	SP-1-T	4	N	Campus Pkwy
(G)	1A	10'	-	-	-	TV-2-T	-	SP-1-T	6	E	-
(H)	26-4-80	30'	40'	15'	250	SV-1-T	2 MAS	SP-1-T	6	E	Day St
(I)	15	30'	-	15'	250	SV-2-T	-	SP-1-T	8	S	-

ALL EQUIPMENT IS EXISTING UNLESS OTHERWISE NOTED (•)=NEW



IMPORTANT NOTICE
Section 4216/4217 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 ID Number call CALL TOLL FREE TWO WORKING DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600



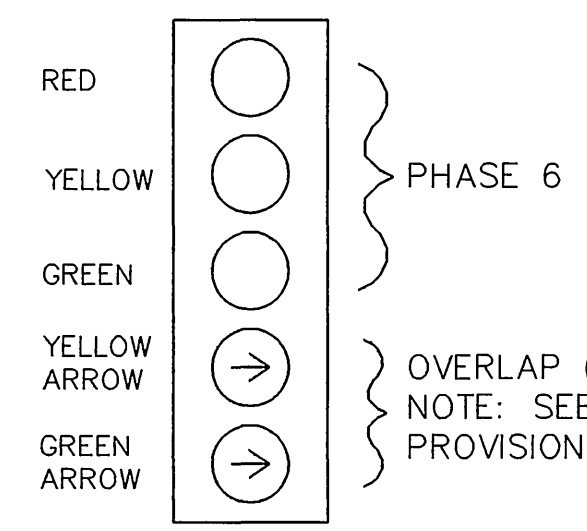
RBF CONSULTING
PLANNING ■ DESIGN ■ CONSTRUCTION
14725 ALTON PARKWAY
IRVINE, CALIFORNIA 92618-2027
949.472.2505 • FAX 949.837.8007 • www.RBF.com
Mark J. Esposito 08/27/07 DATE

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature] DATE: 8/27/07
PRINCIPAL ENGINEER: [Signature] DATE: 8/27/07
P.W. INSPECTOR: [Signature] DATE: 8/27/07
TRAFFIC DIVISION: [Signature] DATE: 8/27/07
ENGINEERING MANAGER: [Signature] DATE: 8/27/07

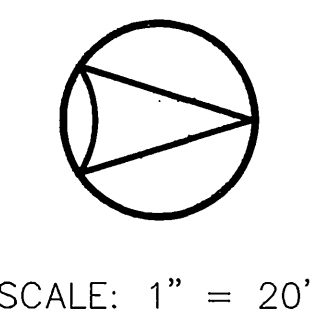
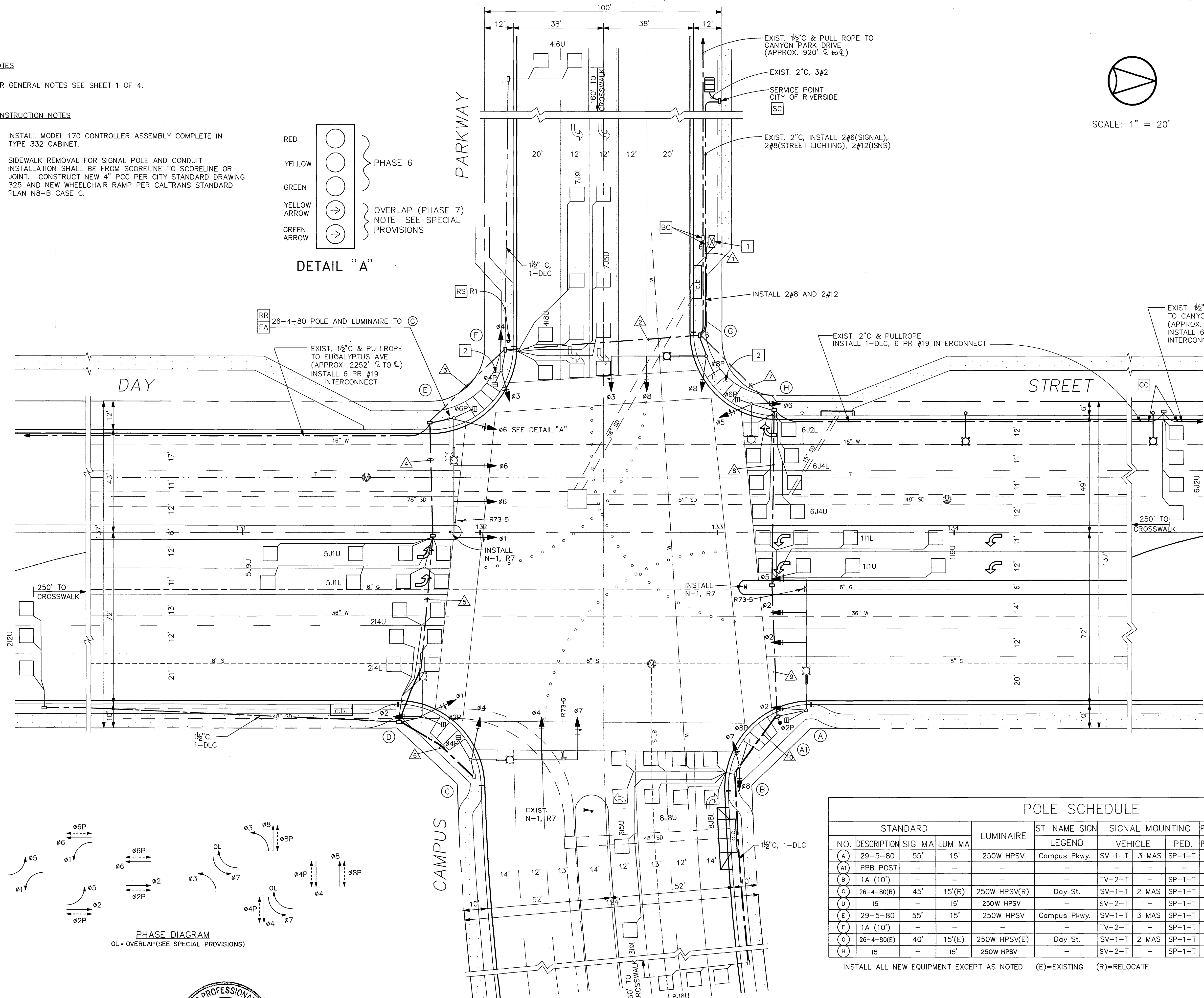
TRAFFIC SIGNAL MODIFICATION PLAN
DAY STREET AND CAMPUS PARKWAY
ACCT. NO. XXXXXXXXXXXX
X-344A
SHEET 1 OF 1
FILE NAME: X-344A.DWG
HORIZ SCALE: 1" = 20'

NOTES
FOR GENERAL NOTES SEE SHEET 1 OF 4.

- CONSTRUCTION NOTES
- INSTALL MODEL 170 CONTROLLER ASSEMBLY COMPLETE IN TYPE 332 CABINET.
 - SIDEWALK REMOVAL FOR SIGNAL POLE AND CONDUIT INSTALLATION SHALL BE FROM SCORELINE TO SCORELINE OR JOINT. CONSTRUCT NEW 4" PCC PER CITY STANDARD DRAWING 325 AND NEW WHEELCHAIR RAMP PER CALTRANS STANDARD PLAN NB-B CASE C.



DETAIL "A"



CONDUCTOR SCHEDULE

AWG	CIRCUIT	1	2	3	4	5	6	7	8	9	10
#14	Ø1	3	3	3	3	3					
	Ø2	6	3	3	3	3		3	3	3	
	Ø3	3	3								
	Ø4	3	3	3	3	3					
	Ø5	3						3	3	3	
	Ø6 (OL)	8	5	5							
	Ø7	6	3	3	3	3	3	3	3	3	3
	Ø8	3							3	3	3
	Ø2P	4	2	2	2	2			2	2	2
	Ø4P	2	2	2	2	2					
Ø6P	4	2	2								
Ø8P	2							2	2	2	
Ø2PPB	2	1	1	1	1	1	1	1	1	1	
Ø4PPB	1	1	1	1	1						
Ø6PPB	2	1									
Ø8PPB	1							1	1	1	
PPB COMMON	2	1	1	1	1	1	1	1	1	1	
SPARES	6	3	3	3	3	3	3	3	3	3	
TOTAL	59	31	27	22	22	13	27	22	22	13	
#12	I.I.S.N.S.	2	2	2	2	2	2	2	2	2	
#10	SIG COMMON	2	1	1	1	1	1	1	1	1	
#8	LUMINAIRE	2	2	2	2	2	2	2	2	2	
DLC	Ø1	3						3	3		
	Ø2	3	3	3	3	3					
	Ø3	2						2	2	2	
	Ø4	2	2								
	Ø5	3	3	3							
	Ø6	4						4			
	Ø7	2	2								
	Ø8	3							3	3	
	TOTAL	22	10	6	6	3			12	8	5
Øpr19	INTERCONNECT	2	1	1							
CONDUIT SIZE		2-3"	3"(E)	3"(E)	3"(E)	2"	3"(E)	3"(E)	2"		

INSTALL ALL NEW CONDUCTORS AND CONDUIT EXCEPT AS NOTED. (E)=EXISTING

SENSOR SCHEDULE

UNIT	CHANNEL	LOOP DESIGNATION	NO. OF LOOPS	FEATURES
1	1	2I2U	3	SS, CH
	2	6J2U	4	SS, CH
2	1	4I6U	2	SS, CH
	2	8J6U	3	SS, CH
3	1	5J9U	2	SS
	2	1I9U	2	SS
4	1	5J1U	3	
	2	5J1L	3	
5	1	2I4U	4	DD
	2	2I4L	2	DD
6	1	1I1U	3	
	2	1I1L	3	
7	1	6J4U	2	DD
	2	6J4L	4	DD
8	1	6J2L	2	CD
	2	4I8U	3	
9	1	7J5U	3	
	2	7J5L	2	SS
10	1	3I5U	3	
	2	3I9L	1	SS
11	1	8J8U	4	DD
	2	8J8L	2	DD

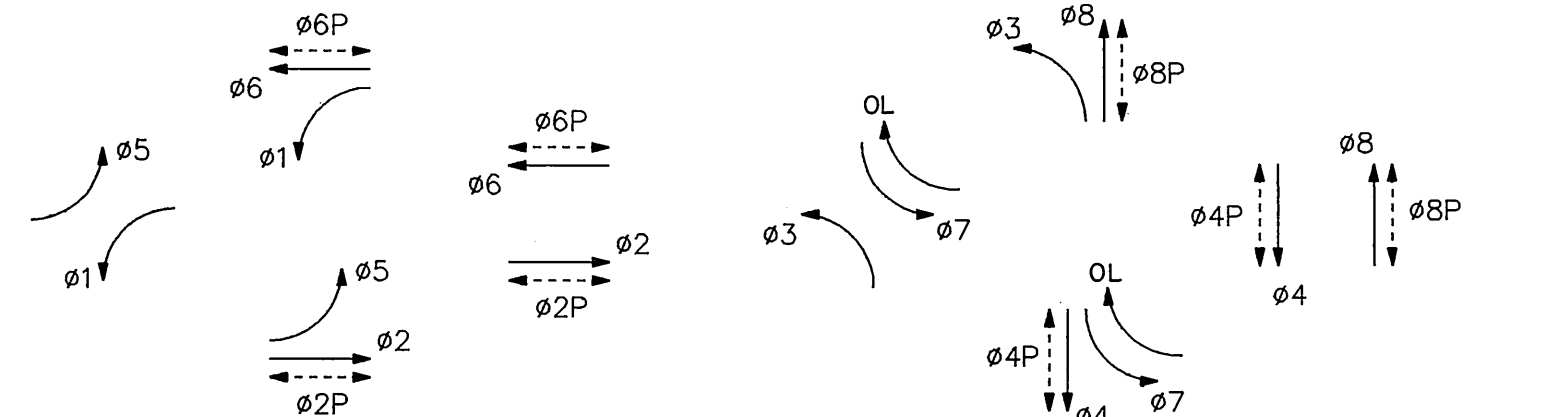
SS = SYSTEM SAMPLING-NO OUTPUT TO PHASE
CH = INTEGRAL CALL HOLD
CD = CALL DELAY
DD = DETECTOR DISCONNECT
DETECTORS SHALL BE 2-CHANNEL RACK MOUNTED

POLE SCHEDULE

STANDARD				LUMINAIRE	ST. NAME SIGN	SIGNAL MOUNTING	PED PUSH BTN	REMARKS
NO.	DESCRIPTION	SIG MA	LUM MA		LEGEND	VEHICLE	PED.	
(A)	29-5-80	55'	15'	250W HPSV	Campus Pkwy.	SV-1-T	3 MAS	SP-1-T
(A1)	PPB POST	-	-	-	-	-	-	8P S
(B)	1A (10')	-	-	-	-	TV-2-T	-	SP-1-T 2P W
(C)	26-4-80(R)	45'	15'(R)	250W HPSV(R)	Day St.	SV-1-T	2 MAS	SP-1-T 2P W
(D)	15	-	15'	250W HPSV	-	SV-2-T	-	SP-1-T 4P N
(E)	29-5-80	55'	15'	250W HPSV	Campus Pkwy.	SV-1-T	3 MAS	SP-1-T 4P N
(F)	1A (10')	-	-	-	-	TV-2-T	-	SP-1-T 6P E
(G)	26-4-80(E)	40'	15'(E)	250W HPSV(E)	Day St.	SV-1-T	2 MAS	SP-1-T 6P E
(H)	15	-	15'	250W HPSV	-	SV-2-T	-	SP-1-T 8P S

INSTALL ALL NEW EQUIPMENT EXCEPT AS NOTED (E)=EXISTING (R)=RELOCATE

PHASE DIAGRAM
OL = OVERLAP(SEE SPECIAL PROVISIONS)



Greiner

GREINER, INC.
5225 CANYON CREST DRIVE
BUILDING 200, SUITE 253
RIVERSIDE, CA 92507-6323
(714) 788-7746
FAX (714) 788-5002

CITY OF MORENO VALLEY

PLANS PREPARED UNDER THE DIRECTION OF:
M. J. Platts
RCE NO. C046104

PLANS REVIEWED BY:
John Jensen
DATE 2-21-92
EXPIRES 3-31-93

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY: *Danny Bell*
DATE: 3/4/92
TRAFFIC DIVISION: *3/2/92*
CHIEF P.W. ENGINEER: *3/2/92*
INSPECTION: *3/2/92*

TRAFFIC SIGNAL
INSTALLATION PLAN

DAY STREET
AND
CAMPUS PARKWAY

ACCOUNT NO. X-344

SHEET 3 OF 4

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