

EQUIPMENT SCHEDULE

NO.	SIGNAL STANDARD		LUMINAIRE		I.I.S.N.S.		SIGNAL MOUNTINGS			PPB PHASE	REMARKS	
	TYPE	H'GHT	M.A.	L.A.	H.P.S.V.	LEGEND	VEHICLE	PEDESTRIAN	AUDIBLE			
(A)	27-4-80(N)	17'(N)	40'(N)			CRIDGE(N)	ST 3300	MAS(R)				REMOVE AND SALVAGE EXIST. POLE AND RELOCATE EQUIPMENT
								MAS(R)				
								SV-1-TD(R)	SP-2-T(N)	((IC))((IP))	(N)	4,6(N)
(B)	16-2-80(N)	17'(N)	20'(N)			OLIVEWOOD(N)	AV 4700	MAS(R)				REMOVE AND SALVAGE EXIST. POLE AND RELOCATE EQUIPMENT
								SV-1-T(R)	SP-1-T(R)	((IC))	(R)	
(C)	1A(E)	10'(E)						TV-1-T(E)	SP-1-T(E)	((IP))	(E)	6,8(E)
(D)	23-4-80(N)	17'(N)	35'(N)			CRIDGE(N)	ST 3300	MAS(R)				REMOVE AND SALVAGE EXIST. POLE AND RELOCATE EQUIPMENT
								MAS(R)				
								SV-2-TD(R)	SP-1-T(R)	((IP))	(R)	8(R)
(E)	1A(E)	10'(E)							SP-1-T(E)	((IC))	(E)	2(E)
(F)	16-2-70(E)	17'(E)	20'(E)					MAS(E)				
								SV-1-T(E)	SP-1-T(N)	((IC))	(N)	2(E)
(G)	1A(E)	10'(E)						TV-1-T(E)	SP-1-T(E)	((IP))	(E)	4(N)

(N) = NEW, (R) = REUSE, (E) = EXIST.

NOTES: 1. ((IC)) OR ((IP)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED.
 ((IC)) INDICATES CUCKOO SOUND; ((IP)) INDICATES PEEP-PEEP SOUND.
 2. PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.

CONDUCTOR TABLE

CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS						
		1	2	3	4	5	6	7

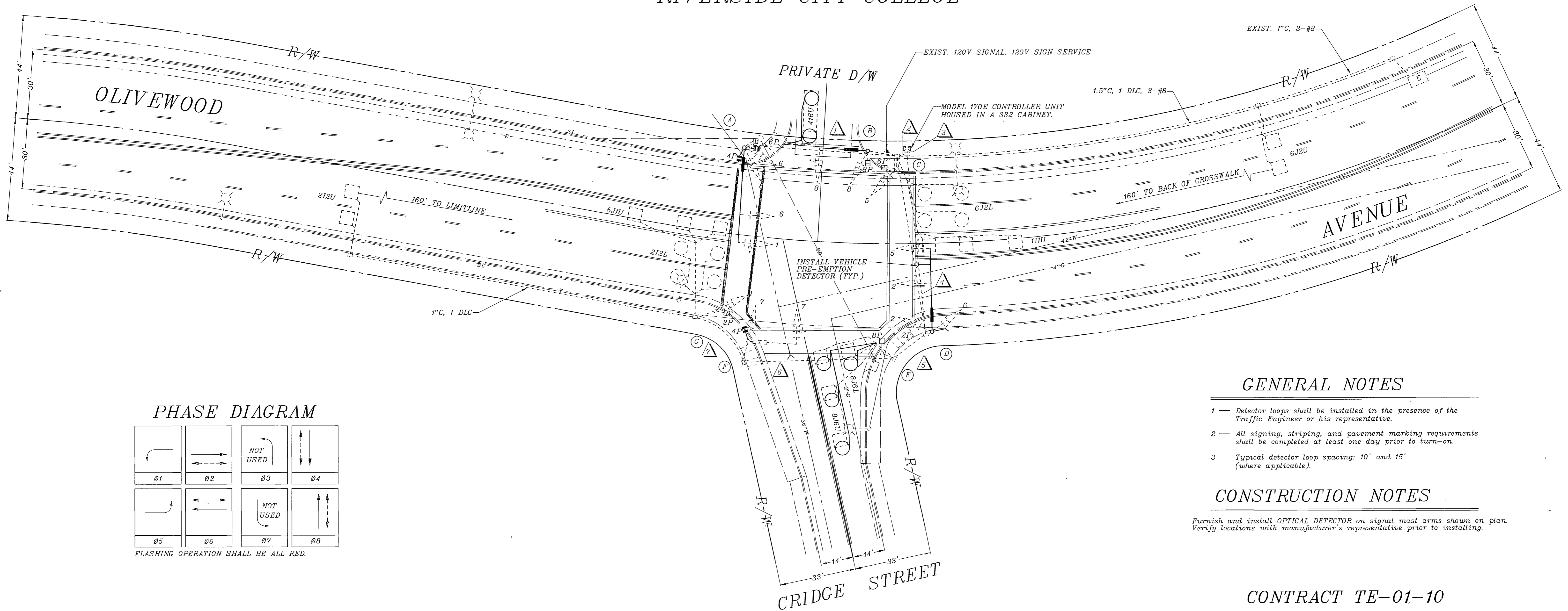
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA	1	2	6	4	3	2	1
	9 WIRE IMSA							
	5 WIRE IMSA							
	3 WIRE IMSA	2	3	7	4	2	2	1

DETECTOR CABLE	#16/2							
PHASE 1								
PHASE 2			1	1				
PHASE 3				2	2	2	2	2
PHASE 4								
PHASE 5					1	1	1	1
PHASE 6				2	2			
PHASE 7		1	1	1	1			
PHASE 8					1	1	1	

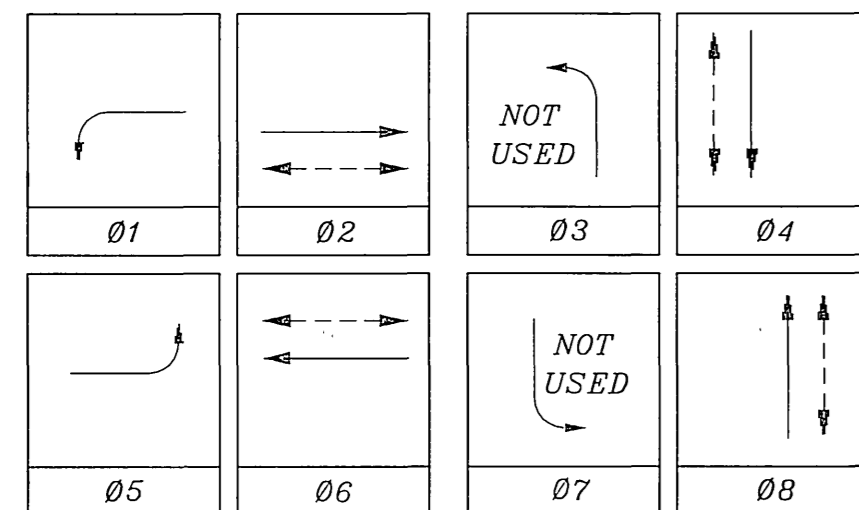
I.I.S.N.S.	#12	2	2		2	2	2	
LUMINAIRES	#8							
SIGNAL SERVICE	#8	2	2					
VEHICLE PRE-EMPTION	#20			2	2	1	1	

CONDUIT SIZE	2"	3"	2-3"	3"	2.5"	2"	1.5"
	(E)	(E)	(E)	(E)	(E)	(E)	(E)

RIVERSIDE CITY COLLEGE



PHASE DIAGRAM



FLASHING OPERATION SHALL BE ALL RED.

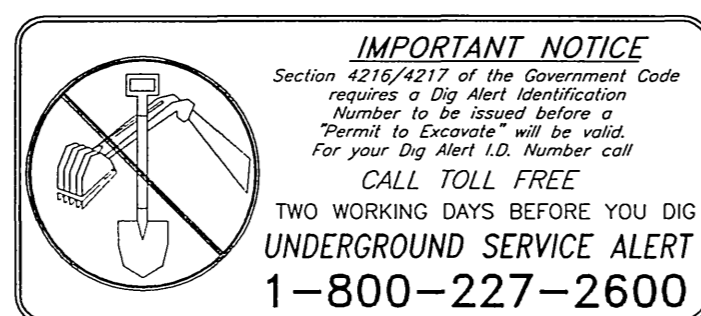
GENERAL NOTES

- 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' and 15' (where applicable).

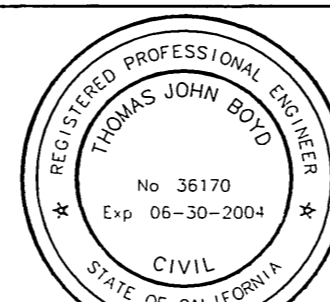
CONSTRUCTION NOTES

Furnish and install OPTICAL DETECTOR on signal mast arms shown on plan. Verify locations with manufacturer's representative prior to installing.

CONTRACT TE-01-10



ENGINEER IN RESPONSIBLE CHARGE
 THOMAS JOHN BOYD
 R.C.E. No 36170 expires 6/20/04
 DATE 5/19/02



MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		
APPROVED BY	BY	DATE
ENGINEERING MANAGER	TH	5/9/02
PRINCIPAL ENGINEER		
P.W. INSPECTION		
TRAFFIC DIVISION		
PUBLIC UTILITIES		

TRAFFIC SIGNAL MODIFICATION
 OLIVEWOOD AVENUE @ CRIDGE STREET
 SCALE: 1" = 20'

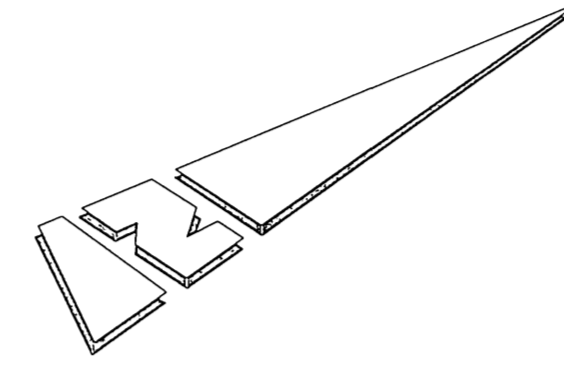
ACCT. NO. 9738031152-44022300
 X-448A
 SHEET 1 OF 1
 FILE NAME X448A.DWG

EQUIPMENT SCHEDULE

NO.	SIGNAL STANDARD			LUMINAIRE		I.I.S.N.S.		SIGNAL MOUNTINGS			PPB PHASE	REMARKS
	TYPE	H'GHT	M.A.	L.A.	H.P.S.V.	LEGEND	VEHICLE	PEDESTRIAN	AUDIBLE			
(A)	27-4-80(N)	17'(N)	40'(N)			CRIDGE(N)	ST 3300	MAS(N)				REMOVE AND SALVAGE EXIST. POLE AND EQUIPMENT
								MAS(N)				
								SV-1-TD(N)	SP-1-T(N)	((IPI)) (N)	6(N)	
(B)	16-2-80(N)	17'(N)	20'(N)			OLIVEWOOD(N)	AV 4700	MAS(N)				
								SV-1-T(N)	SP-1-T(N)	((IC)) (N)		
(C)	1A(E)	10'(E)						TV-1-T(N)	SP-1-T(N)	((IPI)) (N)	6,8(N)	REMOVE AND SALVAGE EXIST. EQUIP.
(D)	23-4-80(N)	17'(N)	35'(N)			CRIDGE(N)	ST 3300	MAS(N)				REMOVE AND SALVAGE EXIST. POLE AND EQUIPMENT, EXCEPT VEHICLE HEAD MOUNTED ON SHAFT
								TV-1-T(R)				
								SV-1-T(N)	SP-1-T(N)	((IPI)) (N)	8(N)	
(E)	1A(E)	10'(E)							SP-1-T(N)	((IC)) (N)	2(N)	REMOVE AND SALVAGE EXIST. EQUIP.
(F)	16-2-70(E)	17'(E)	20'(E)					MAS(N)				REMOVE AND SALVAGE EXIST. EQUIP.
								SV-1-T(N)			2(N)	
(G)	1A(N)	10'(N)						TV-1-T(N)	SP-1-T(N)	((IPI)) (N)		

(N) = NEW, (R) = REUSE, (E) = EXIST.

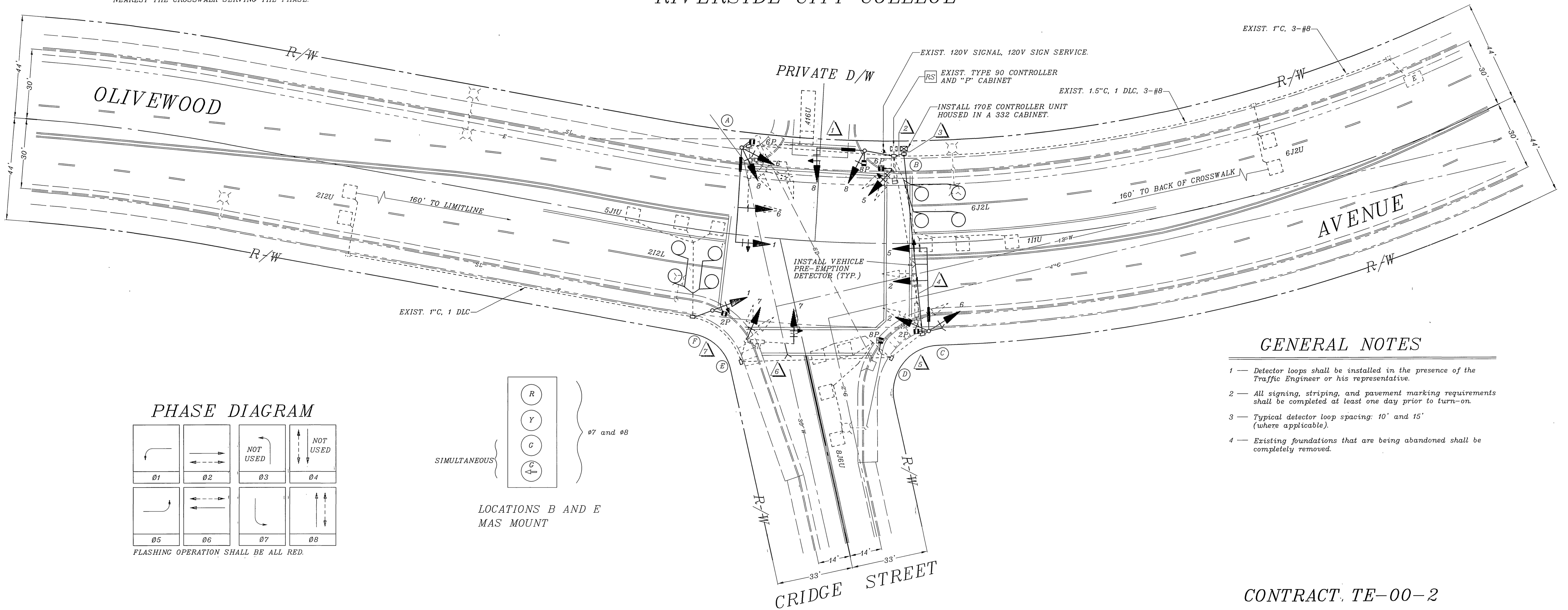
- NOTES:**
- ALL VEHICULAR HEADS SHALL HAVE 12" LENSES.
 - ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
 - ((IC)) OR ((IPI)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED. ((IC)) INDICATES CUCKOO SOUND; ((IPI)) INDICATES PEEP-PEEP SOUND.
 - PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.



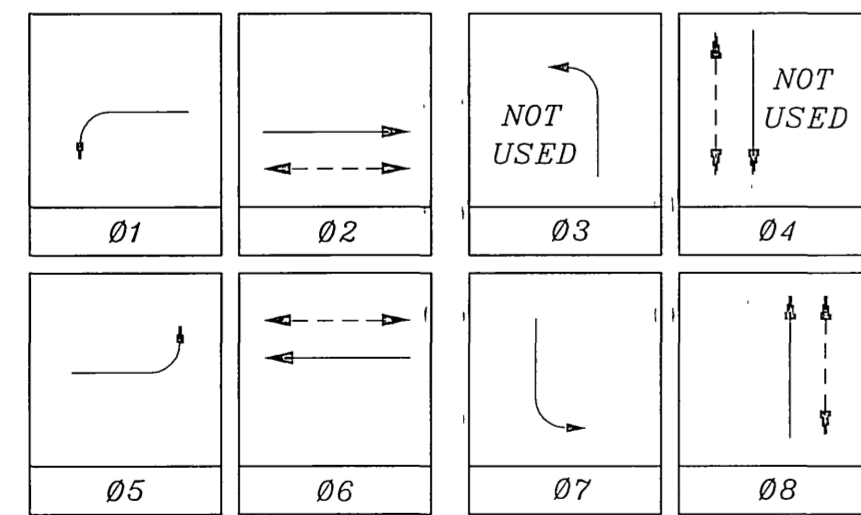
CONDUCTOR TABLE

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	2	6	4	3	2	1
DETECTOR CABLE	#16/2							
PHASE 1			1	1				
PHASE 2				2	2	2	2	2
PHASE 3								
PHASE 4								
PHASE 5				1	1	1	1	1
PHASE 6				2	2			
PHASE 7			1	1	1	1		
PHASE 8				1	1	1		
I.I.S.N.S.	#12	2	2		2	2	2	
LUMINAIRES	#8							
SIGNAL SERVICE	#8		2	2				
VEHICLE PRE-EMPTION	#20			2	2	1	1	
CONDUIT SIZE		2"	3"	2-3"	3"	2.5"	2"	1.5"
		(E)	(N)	(N)	(N)	(E)	(E)	(E)

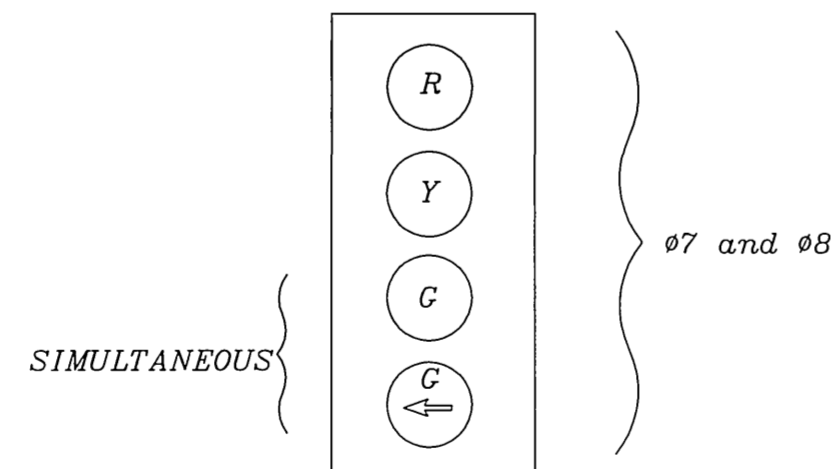
RIVERSIDE CITY COLLEGE



PHASE DIAGRAM



FLASHING OPERATION SHALL BE ALL RED.



LOCATIONS B AND E
MAS MOUNT

GENERAL NOTES

- Detector loops shall be installed in the presence of the Traffic Engineer or his representative.
- All signing, striping, and pavement marking requirements shall be completed at least one day prior to turn-on.
- Typical detector loop spacing: 10' and 15' (where applicable).
- Existing foundations that are being abandoned shall be completely removed.

CONTRACT: TE-00-2

IMPORTANT NOTICE
Section 4216/4217 of the Government Code requires a Dig Alert identification Number to be issued before a "Trench to Excavate" will be void. For your Dig Alert ID, Number call CALL TOLL FREE TWO WORKING DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

ENGINEER IN RESPONSIBLE CHARGE
Thomas John Boyd
R.C.E. No. 36170 expires 6/30/04
DATE 8/16/00

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN BOYD
No. 36170
Exp. 06-30-04
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: MAC DRAWN BY: MAC CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE	APPROVED BY	DATE
ENGINEERING MANAGER	THB	8/16/00	Richard Mc Grath	8-17-00
PRINCIPAL ENGINEER	SC	8/16/00	DIRECTOR OF PUBLIC WORKS	
P.W. INSPECTION				
TRAFFIC DIVISION				
PUBLIC UTILITIES				

TRAFFIC SIGNAL MODIFICATION
OLIVEWOOD AVENUE @ CRIDGE STREET
SCALE: 1" = 20'

ACCT. NO. 9738031152-44022300
X-448
SHEET 1 OF 1
FILE NAME: X448.DWG

EQUIPMENT SCHEDULE

NO.	SIGNAL STANDARD		LUMINAIRE		I.I.S.N.S.		SIGNAL MOUNTINGS			PPB	REMARKS	
	TYPE	H'GHT	M.A.	L.A.	H.P.S.V.	LEGEND	VEHICLE	PEDESTRIAN	AUDIBLE			PHASE
(A)	27-4-80(N)	17'(N)	40'(N)			CRIDGE(N)	ST 3300	MAS(R)				REMOVE AND SALVAGE EXIST. POLE AND RELOCATE EQUIPMENT
								MAS(R)				
								SV-1-TD(R)	SP-2-T(N)	((C))((P))	4,6(N)	
(B)	16-2-80(N)	17'(N)	20'(N)			OLIVEWOOD(N)	AV 4700	MAS(R)				REMOVE AND SALVAGE EXIST. POLE AND RELOCATE EQUIPMENT
								SV-1-T(R)	SP-1-T(R)	((C)) (R)		
(C)	1A(E)	10'(E)						TV-1-T(E)	SP-1-T(E)	((P)) (E)	6,8(E)	
(D)	23-4-80(N)	17'(N)	35'(N)			CRIDGE(N)	ST 3300	MAS(R)				REMOVE AND SALVAGE EXIST. POLE AND RELOCATE EQUIPMENT
								MAS(R)				
								SV-2-TD(R)	SP-1-T(R)	((P)) (R)	8(R)	
(E)	1A(E)	10'(E)							SP-1-T(E)	((C)) (E)	2(E)	
(F)	16-2-70(E)	17'(E)	20'(E)					MAS(E)				
								SV-1-T(E)	SP-1-T(N)	((C)) (N)	2(E)	
(G)	1A(E)	10'(E)						TV-1-T(E)	SP-1-T(E)	((P)) (E)	4(N)	

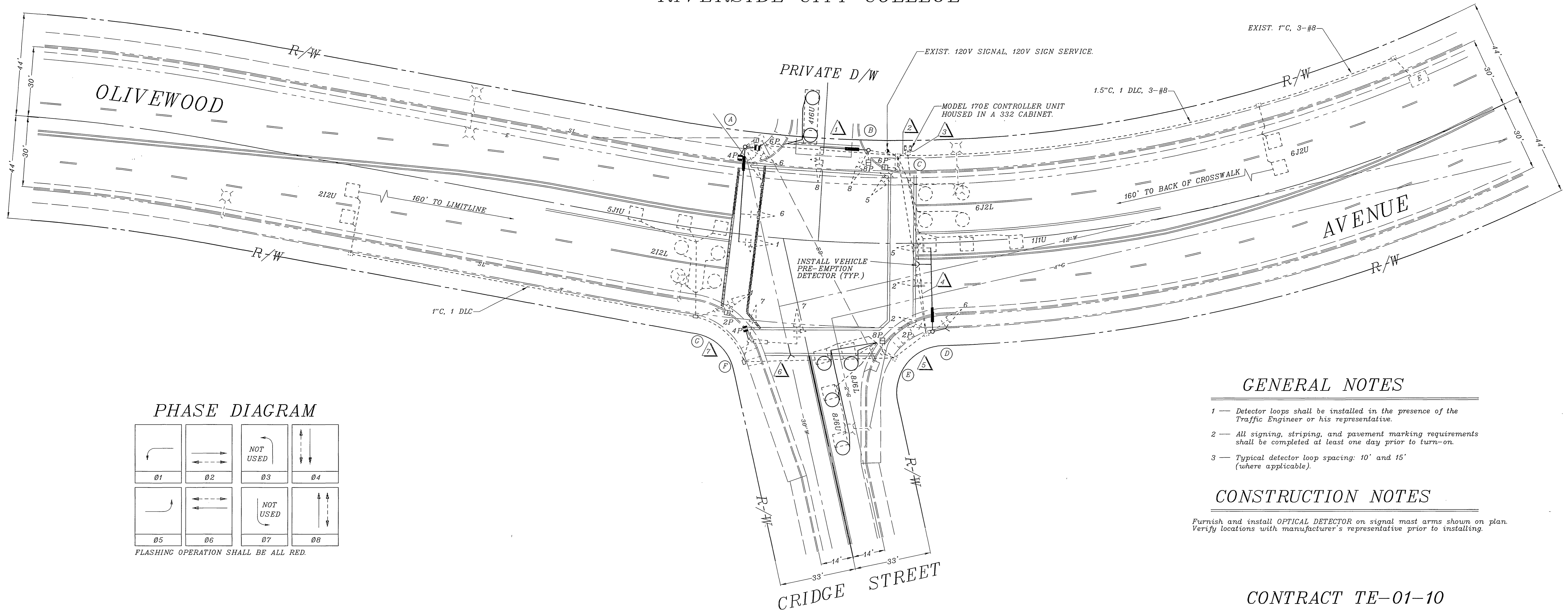
(N) = NEW, (R) = REUSE, (E) = EXIST.

NOTES: 1. ((C)) OR ((P)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED.
 ((C)) INDICATES CUCKOO SOUND; ((P)) INDICATES PEEP-PEEP SOUND.
 2. PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.

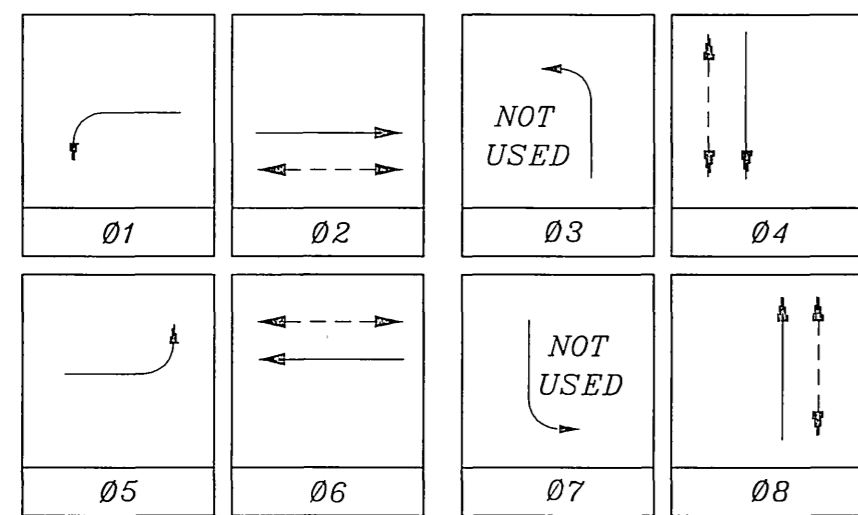
CONDUCTOR TABLE

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	2	6	4	3	2	1
DETECTOR CABLE	#16/2							
PHASE 1			1	1				
PHASE 2				2	2	2	2	2
PHASE 3								
PHASE 4								
PHASE 5				1	1	1	1	1
PHASE 6				2	2			
PHASE 7			1	1	1	1		
PHASE 8				1	1	1		
I.I.S.N.S.	#12	2	2		2	2	2	
LUMINAIRES	#8							
SIGNAL SERVICE	#8		2	2				
VEHICLE PRE-EMPTION	#20			2	2	1	1	
CONDUIT SIZE		2"	3"	2-3"	3"	2.5"	2"	1.5"
		(E)	(E)	(E)	(E)	(E)	(E)	(E)

RIVERSIDE CITY COLLEGE



PHASE DIAGRAM



FLASHING OPERATION SHALL BE ALL RED.

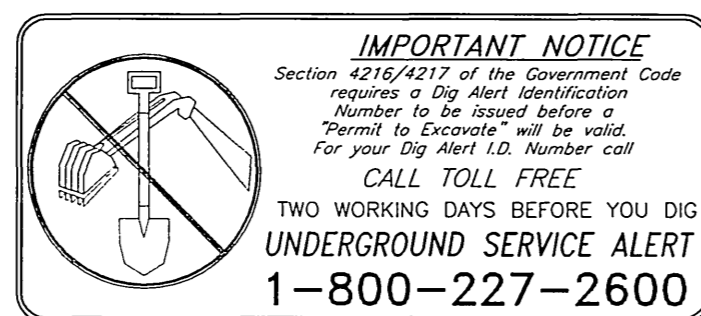
GENERAL NOTES

- 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' and 15' (where applicable).

CONSTRUCTION NOTES

Furnish and install OPTICAL DETECTOR on signal mast arms shown on plan. Verify locations with manufacturer's representative prior to installing.

CONTRACT TE-01-10



ENGINEER IN RESPONSIBLE CHARGE
 THOMAS JOHN BOYD
 R.C.E. No. 36170 expires 6/30/04
 DATE 5/19/02

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: MAC DRAWN BY: MAC CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *Thomas Boyd*
 DIRECTOR OF PUBLIC WORKS

BY: *DA* DATE: 5/19/02

P.W. INSPECTION: *CS* DATE: 5/19/02

TRAFFIC DIVISION: *CS* DATE: 5/19/02

PUBLIC UTILITIES: *CS* DATE: 5/19/02

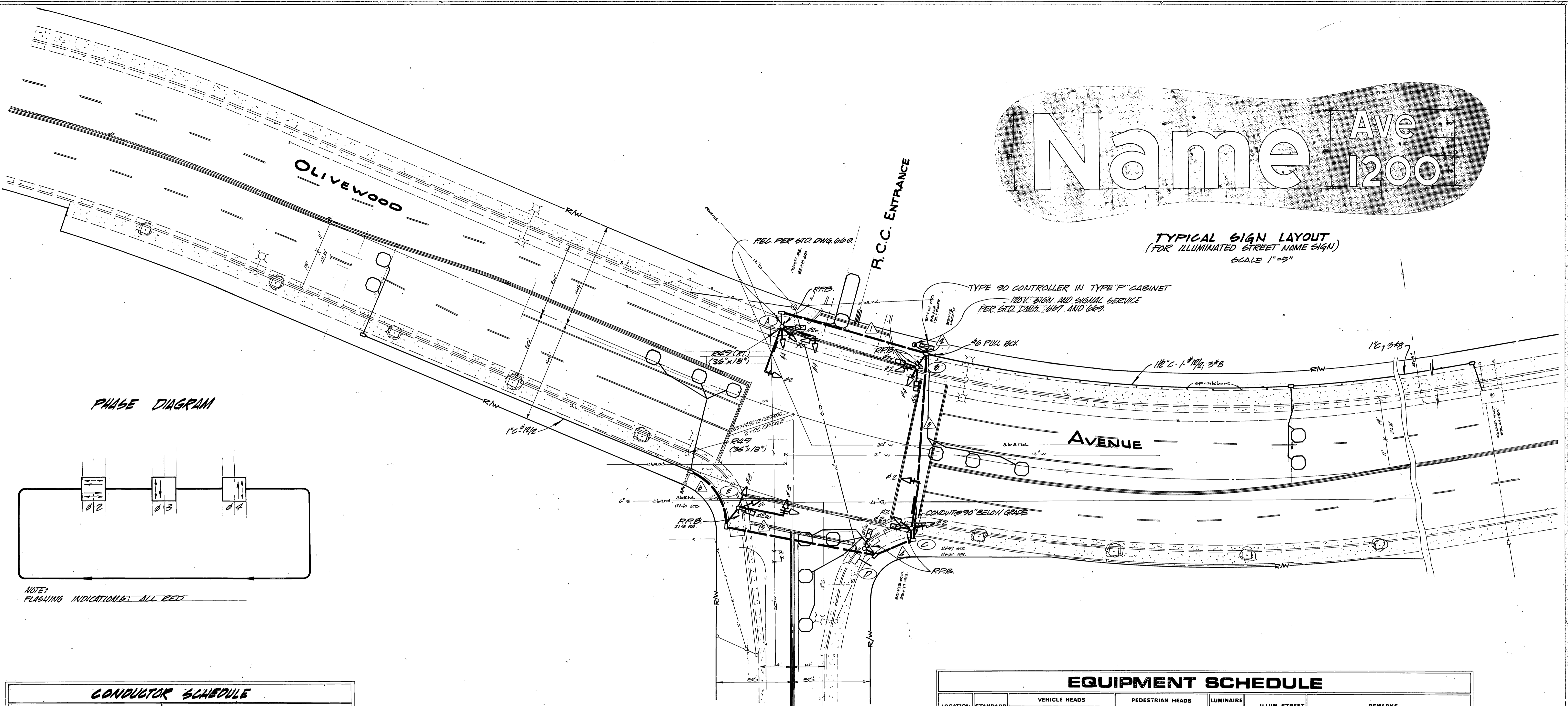
TRAFFIC SIGNAL MODIFICATION
 OLIVEWOOD AVENUE @ CRIDGE STREET

SCALE: 1" = 20'

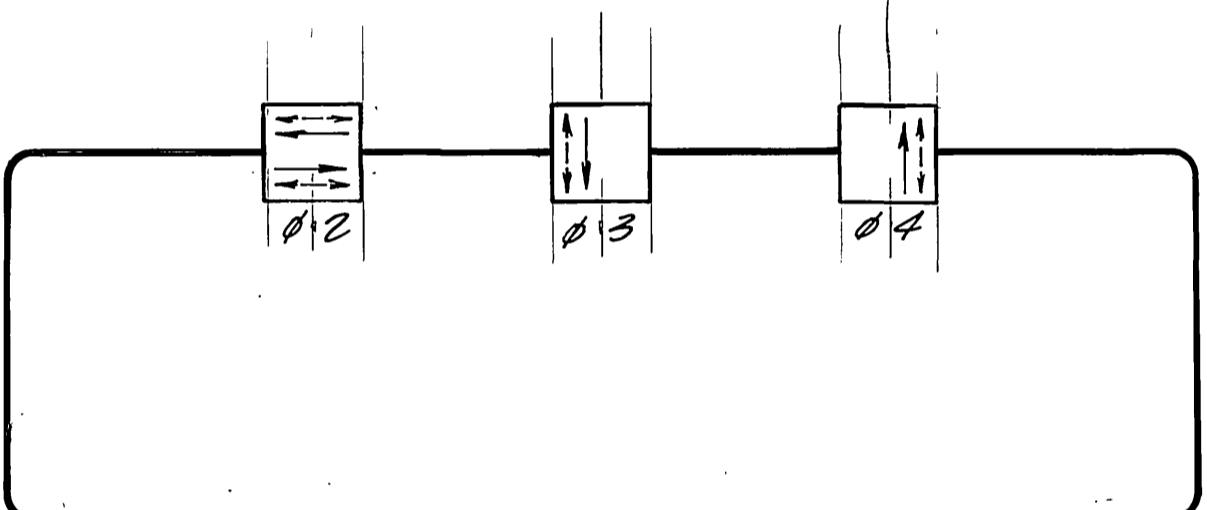
ACCT. NO. 9738031152-44022300
 X-448A
 SHEET 1 OF 1
 FILE NAME: X448A.DWG

Name Ave 1200

TYPICAL SIGN LAYOUT
(FOR ILLUMINATED STREET NAME SIGN)
SCALE 1"=5"



PHASE DIAGRAM



NOTE:
FLASHING INDICATIONS: ALL RED

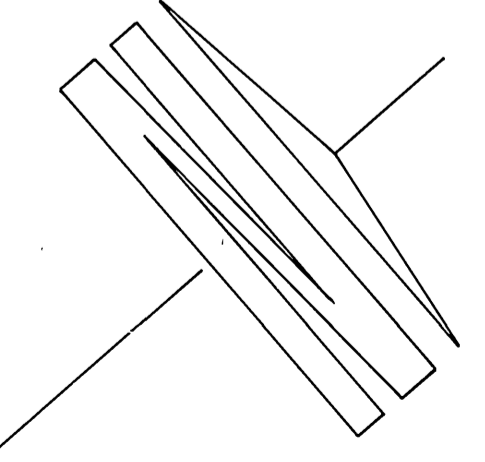
CONDUCTOR SCHEDULE

CONTROL FUNCTION	CONDUCTORS SIZE - INSULATION	CONDUIT RUNS						
		1	2	3	4	5	6	7
VEHICLE HEADS	14 TW							
Ø 1		3	0	3	3	3		
2		3	0	3	3	3		
3		3	3	3	3	3		
4		3	0					
PEDESTRIAN HEADS								
Ø 2		2	4	2	2	2		
4			4	2				
PED. PUSH BUTTONS								
Ø 2		1	4	2	2	1		
4			2	1				
SPARES								
DETECTORS	1 1/2 RE	3	0	3	3	3	3	
Ø 1 (FUTURE)								
2			4	2	2	2	2	
3			1	1				
4			1	1	1			
12 V COMMON	14 TW	1	1	1	1	1		
120 V COMMON	10	1	1	1	1	1	1	
INT. ILL. ST. NAME	12	4		2				
LUMINAIRE	8 THW							
SIGNAL SERVICE	8		2					
TOTALS	14 TW	10	42	20	17	16	3	
	1 1/2 RE	1	0	3	3	2	2	
	12 TW	4		2				
	10 TW	1	1	1	1	1		
	8 THW		2					
CONDUIT SIZE		2"	3/4"	2 1/4"	2 1/4"	2"	1 1/2"	

EQUIPMENT SCHEDULE

LOCATION	STANDARD	VEHICLE HEADS			PEDESTRIAN HEADS			LUMINAIRE	ILLUM STREET NAME SIGN	REMARKS
		HEAD	MOUNTING	BACK PLATE	HEAD	MOUNTING	PPB			
A	185(120) (150)	1W3C (120) 2W3C	MAS SVET	1 2	1W2C	SPIT	1		CRIDGE 3500 OLIVEWOOD 4700	
B	TYPE 1	2W3C	TVET	2	2W2C	SPET	2			
C	105 (80/60)	1W3C (120) 1W3C	MAS SVIT	1 1	1W2C	SPIT	1		CRIDGE 3500	
D	TYPE 1	1W3C 120	SU-1-T	1	1W2C	TRIT	1			
E	105 (80/60)	1W3C (120) 2W3C	MAS SVET	1 2	1W2C	SPET	1			

CRIDGE STREET



CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT		CRIDGE STREET AND OLIVEWOOD AVENUE		ACCOUNT NO. 30-576-369-07 X-448 SHEET 1 OF 1 FILE NO.
DESIGNED BY: [Signature] DRAWN BY: [Signature] CHECKED BY: [Signature]	APPROVED BY: [Signature] PRINCIPAL ENGINEER DATE: 12/14/77	APPROVED BY: [Signature] PUBLIC UTILITIES	DATE: 12/14/77	HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" =