CONDUCTOR SCHEDULE

CONTROL FUNCTION	CONDUCTORS SIZE	CONDUCTORS INSULATION	RUNS 1	2	3	4	5	6	1c	1c1
VEHICLE HEADS	#14	T.W.	—	—	—	—	—	—	—	—
PHASE 2			—	3	3	3	3	3	—	—
PHASE 4 + OL1			—	5	5	5	5	3	—	—
PHASE 5			3	6	6	3	3	3	—	—
PHASE 6 + OL2			—	5	5	5	—	—	—	—
PED. HEADS			—	—	—	—	—	—	—	—
PHASE 4			—	2	2	2	2	—	—	—
PHASE 6			2	4	4	2	—	—	—	—
PED. PUSH BUTTON			—	—	—	—	—	—	—	—
PHASE 2 BIKE			—	1	1	1	1	—	—	—
PHASE 4			—	1	1	1	1	—	—	—
PHASE 6			1	1	1	—	—	—	—	—
SPARES			3	6	6	3	3	3	—	—
12V COMMON			1	2	2	1	1	1	—	—
DETECTORS	#16/2	P.E.	—	—	—	—	—	—	—	—
PHASE 2			—	3	3	3	3	—	—	—
PHASE 4			—	3	3	—	—	—	—	—
PHASE 5			—	1	1	1	1	—	—	—
PHASE 6			4	4	4	—	—	—	—	—
PHASE 6 BIKE			1	1	1	—	—	—	—	—
I.I.S.N.S.	#12	T.W.	—	2	—	2	2	2	—	—
120V COMMON	#10	T.W.	1	2	2	1	1	1	—	—
LUMINAIRES	#8	T.H.W.	2	2	—	2	2	2	—	—
SIGNAL SERVICE	#6	T.H.W.	—	—	2	—	—	—	—	—
INTERCONNECT	#19/2	P.E.	—	—	2	—	—	—	1	2
TOTAL	#14	T.W.	10	36	36	26	19	13	—	—
	#12	T.W.	—	2	—	2	2	2	—	—
	#10	T.W.	1	2	2	1	1	1	—	—
	#8	T.H.W.	2	2	—	2	2	2	—	—
	#6	T.H.W.	—	—	2	—	—	—	—	—
	#16/2	P.E.	5	12	12	4	4	—	—	—
INTERCONNECT	#19/2	P.E.	—	—	2	—	—	—	1	2
#14 EQUIV.			32	82	89	47	40	22	3	6
CONDUIT SIZE			2 1/2"	2",3"	2",3"	3"	2 1/2"	2"	1 1/2"	2"

NOTE:

1.) INTERCONNECT CABLE SHALL BE 6 PAIR #19 Ga. (SEE SPECIAL PROVISIONS).
2.) ALL CONDUCTORS AND CABLES SHALL BE NEW.
3.) I.M.S.A. CABLE IS REQUIRED; CONDUCTOR SCHEDULE IS FOR REFERENCE AND THOSE INSTALLATIONS NOT APPLICABLE TO I.M.S.A. CABLE (SEE SPECIAL PROVISIONS).

FOR REFERENCE ONLY

DETECTOR SCHEDULE

CHANNELS	LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
1	1-W-2	2	● ■
2	2-W-2	3	✱
1	3-W-2	3	✱
2	1-W-5	3	✱
1	1-N-4	3	
2	2-N-4	3	
1	3-N-4	3	▲
2	1-E-6	2	● ■
1	2-E-6	3	✱
2	3-E-6	3	✱
1	4-E-6	2	
2	5-E-6	2	▲

● *Sampling (future)*
■ *Call-hold (extension)*
✱ *Detector disconnect*
▲ *Delay*

1. *Detectors shall be 2-channel rack-mounted.*
2. *Detector timing features shall be accomplished thru internal logic of the controller.*
3. *Detector loops with special features shall also detect for normal operation.*

POLE SCHEDULE

No	STANDARD TYPE	HGT	SIG M.A	LUM M.A.	LUM. HPSV	I.S.N.S LEGEND	SIGNAL HEAD	SIGNAL MOUNTING VEHICLE	PED	PPB PHASE
A	26A-4-80 (N)	35'	40' (N)	15' (N)	250w (R)	IOWA AVE 4400 (R)	1W3C (R)	MAS (R)		
							1W3C (R)	MAS (R)		
							2W3C (R)	SV-2-TB (R)		
B	16-2-80 (R)	17'	18' (E)			PENNSYLVANIA AVE 1300 (E)	1W3C (E)	MAS (E)		
							1W3C (E)	SV-2-TB (E)		
							1W5C (E)		SP-1-T (E)	4 (E)
C	24A-4-80 (N)	35'	35' (N)	15' (N)	250w (R)	IOWA AVE 4400 (R)	1W3C (R)	MAS (R)		
							1W5C (N)	SV-1-T (R)	SP-1-T (R)	4 (R)
D	1-A (R)	7'							TP-1-T (E)	6 (E)
E	TYPE 21 (N)	35'		15' (N)	250w (N)		1W3C (R)	SV-1-T (N)	SP-1-T (R)	6 (R)

(E)=EXISTING (N)=NEW (R)=RELOCATED

NOTE:
1. *ALL NEW VEHICULAR HEADS SHALL HAVE 12" LENSES.*
2. *LUMINAIRES SHALL BE HIGH PRESSURE SODIUM VAPOR.*
3. *PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON POLE QUADRANT AS SHOWN.*
4. *EXISTING POLES NOT DESIGNATED TO BE REUSED SHALL BE REMOVED AND SALVAGED.*

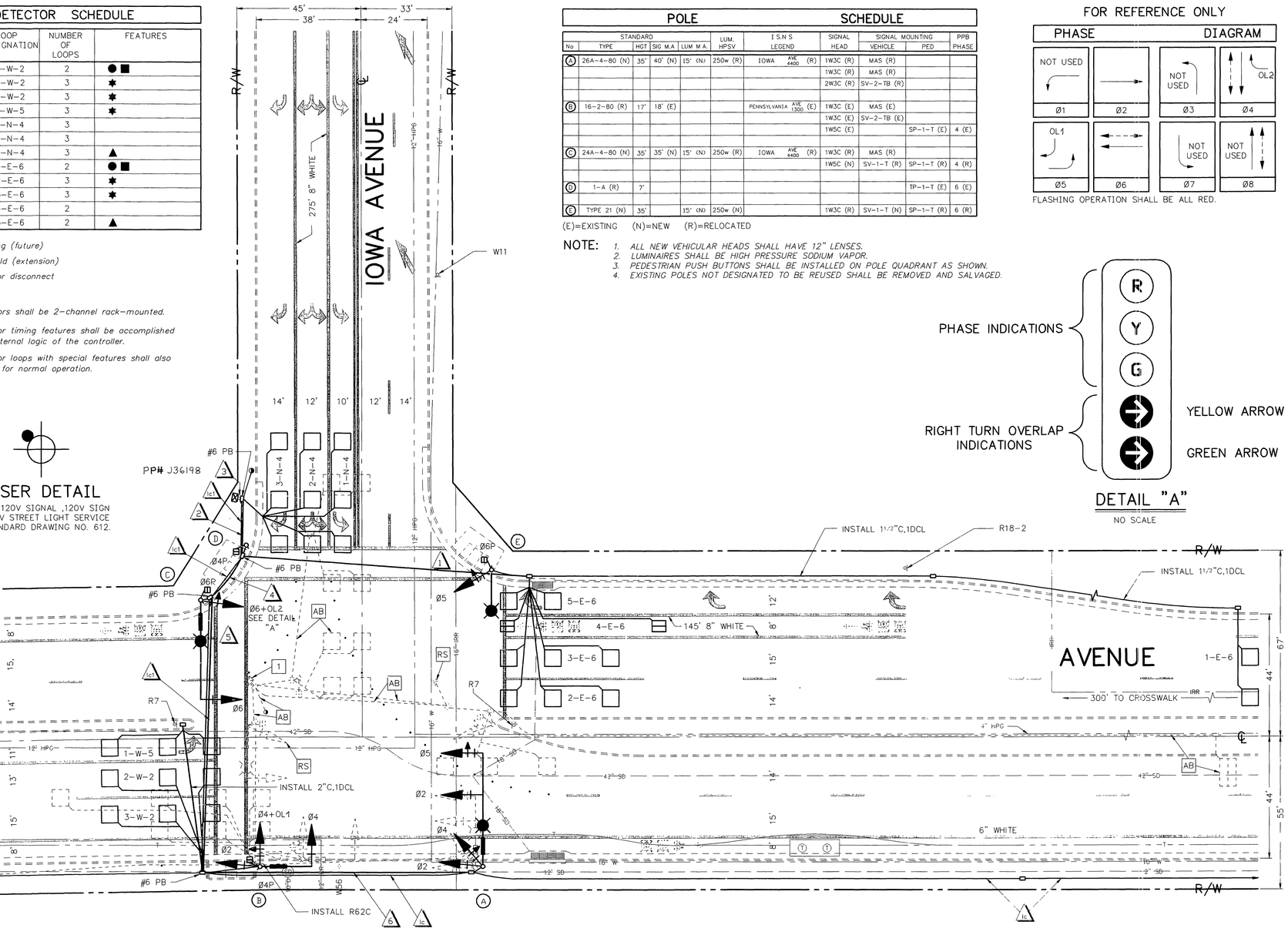
FOR REFERENCE ONLY

PHASE DIAGRAM

FLASHING OPERATION SHALL BE ALL RED.

DETAIL "A"

NO SCALE



RISER DETAIL

INSTALL 120V SIGNAL ,120V SIGN AND 240V STREET LIGHT SERVICE PER STANDARD DRAWING NO. 612.

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'.*

4 — *SEE PLAN R-3057 FOR STREET IMPROVEMENTS*

5 — *SEE PLAN XL-296 FOR INTERCONNECT INSTALLATION NOT SHOWN HEREON.*

6 — *SEE PLAN XL-296 FOR PAVEMENT DELINEATION AND SIGNING*

7 — *PAVEMENT DELINEATION SHOWN HEREON IS FOR REFERENCE ONLY CITY FORCES SHALL PERFORM ALL PERMANENT PAINTING (INSTALLATION AND REMOVALS) WORK.*

CONSTRUCTION NOTES

1 *RELOCATE CONTROLLER ASSEMBLY TO NEW LOCATION AS INDICATED, CONSTRUCT "P" CABINET FOUNDATION.*

REGISTERED PROFESSIONAL ENGINEER RICHARD D. McGRATH EXP. 12-31-92 STATE OF CALIFORNIA

48 HOURS BEFORE YOU DIG CALL UNDERGROUND SERVICE ALERT 1-800-422-4133

ENGINEER IN RESPONSIBLE CHARGE

Richard D. McGrath
RICHARD D. McGRATH
R.C.E. No 31952 expires 12-31-93
DATE 5-8-92

MARK	REVISIONS	APPR	DATE

DESIGNED BY Bm DRAWN BY aem CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		5/11/92
~~CITY INSPECTOR~~		
TRAFFIC DIVISION		5/11/92
~~CHIEF C.I.V. ENGR.~~		
PUBLIC UTILITIES		

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 5/11/92

TRAFFIC SIGNAL REVISION

IOWA AVENUE AND PENNSYLANIA AVENUE

SCALE 1 = 20'

ACCT NO 30-575-295-15

X-491

SHEET 1 OF 1

FILE NO