CONDUCTOR SCHEDULE

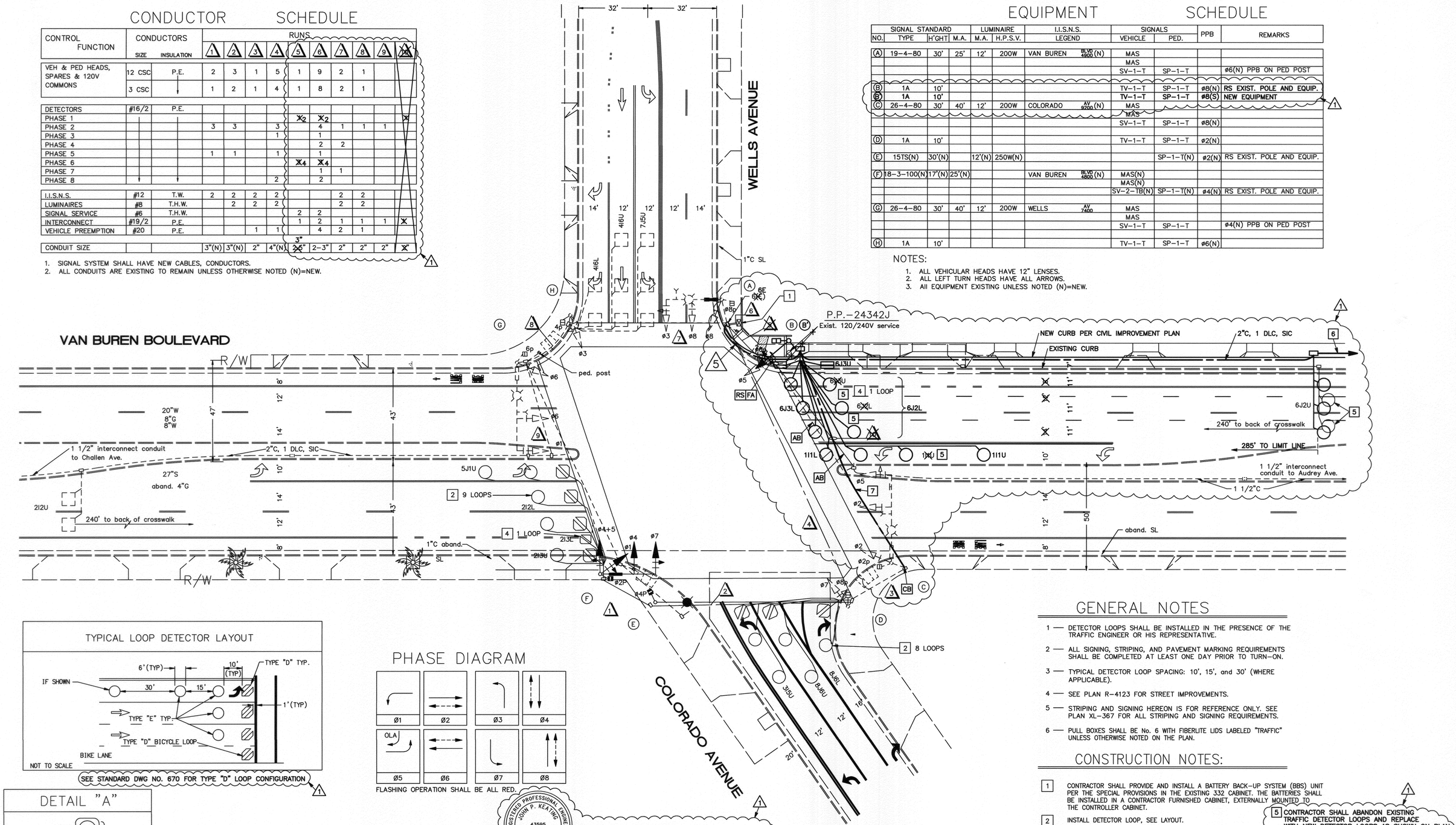
CONTROL FUNCTION	CONDUCTORS SIZE	CONDUCTORS INSULATION	RUNS 1	2	3	4	5	6	7	8	9	10
VEH & PED HEADS, SPARES & 120V COMMONS	12 CSC	P.E.	2	3	1	5	1	9	2	1		
	3 CSC		1	2	1	4	1	8	2	1		
DETECTORS	#16/2	P.E.										
PHASE 1							X2	X2				X
PHASE 2			3	3		3		4	1	1	1	
PHASE 3						1		1				
PHASE 4								2	2			
PHASE 5			1	1		1		1				
PHASE 6							X4	X4				
PHASE 7								1	1			
PHASE 8						2		2				
I.I.S.N.S.	#12	T.W.	2	2	2	2			2	2		
LUMINAIRES	#8	T.H.W.		2	2	2			2	2		
SIGNAL SERVICE	#6	T.H.W.					2	2				
INTERCONNECT	#19/2	P.E.					1	2	1	1	1	X
VEHICLE PREEMPTION	#20	P.E.			1	1		4	2	1		
CONDUIT SIZE			3"(N)	3"(N)	2"	4"(N)	3" X5"	2-3"	2"	2"	2"	X

1. SIGNAL SYSTEM SHALL HAVE NEW CABLES, CONDUCTORS.
2. ALL CONDUITS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED (N)=NEW.

EQUIPMENT SCHEDULE

NO.	SIGNAL STANDARD TYPE	H'GHT	M.A.	LUMINAIRE M.A.	H.P.S.V.	I.I.S.N.S. LEGEND	SIGNALS VEHICLE	PED.	PPB	REMARKS
(A)	19-4-80	30'	25'	12'	200W	VAN BUREN BLVD 4900 (N)	MAS			
							MAS			
							SV-1-T	SP-1-T		ø6(N) PPB ON PED POST
(B)	1A	10'					TV-1-T	SP-1-T	ø8(N)	RS EXIST. POLE AND EQUIP.
(B)	1A	10'					TV-1-T	SP-1-T	ø8(S)	NEW EQUIPMENT
(C)	26-4-80	30'	40'	12'	200W	COLORADO AV 9200 (N)	MAS			
							MAS			
							SV-1-T	SP-1-T	ø8(N)	
(D)	1A	10'					TV-1-T	SP-1-T	ø2(N)	
(E)	15TS(N)	30'(N)		12'(N)	250W(N)			SP-1-T(N)	ø2(N)	RS EXIST. POLE AND EQUIP.
(F)	18-3-100(N)	17'(N)	25'(N)			VAN BUREN BLVD 4800 (N)	MAS(N)			
							MAS(N)			
							SV-2-TB(N)	SP-1-T(N)	ø4(N)	RS EXIST. POLE AND EQUIP.
(G)	26-4-80	30'	40'	12'	200W	WELLS AV 7400	MAS			
							MAS			
							SV-1-T	SP-1-T		ø4(N) PPB ON PED POST
(H)	1A	10'					TV-1-T	SP-1-T	ø6(N)	

NOTES:
1. ALL VEHICULAR HEADS HAVE 12" LENSES.
2. ALL LEFT TURN HEADS HAVE ALL ARROWS.
3. All EQUIPMENT EXISTING UNLESS NOTED (N)=NEW.



TYPICAL LOOP DETECTOR LAYOUT

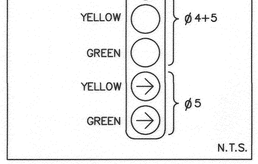
NOT TO SCALE

SEE STANDARD DWG NO. 670 FOR TYPE "D" LOOP CONFIGURATION 1

PHASE DIAGRAM

FLASHING OPERATION SHALL BE ALL RED.

DETAIL "A"



N.T.S.

SCALE: 1"=20'

20 0 20 40 60

SCALE: 1"=20'

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', 15', and 30' (WHERE APPLICABLE).

4 — SEE PLAN R-4123 FOR STREET IMPROVEMENTS.

5 — STRIPING AND SIGNING HEREON IS FOR REFERENCE ONLY. SEE PLAN XL-367 FOR ALL STRIPING AND SIGNING REQUIREMENTS.

6 — PULL BOXES SHALL BE No. 6 WITH FIBERLITE LIDS LABELED "TRAFFIC" UNLESS OTHERWISE NOTED ON THE PLAN.

CONSTRUCTION NOTES:

1 CONTRACTOR SHALL PROVIDE AND INSTALL A BATTERY BACK-UP SYSTEM (BBS) UNIT PER THE SPECIAL PROVISIONS IN THE EXISTING 332 CABINET. THE BATTERIES SHALL BE INSTALLED IN A CONTRACTOR FURNISHED CABINET, EXTERNALLY MOUNTED TO THE CONTROLLER CABINET.

2 INSTALL DETECTOR LOOP, SEE LAYOUT.

3 INSTALL R3-4 MAST ARM MOUNTED SIGN (30"x30" minimum).

4 INSTALL BICYCLE DETECTOR LOOP, TYPE "D".

1
5 CONTRACTOR SHALL ABANDON EXISTING TRAFFIC DETECTOR LOOPS AND REPLACE WITH NEW DETECTOR LOOPS AS SHOWN ON PLAN.

6 INSTALL NEW 2"C AND INSTALL SIGNAL INTERCONNECT TO ADJACENT SIGNAL.

7 INSTALL NEW 4"C AND REINSTALL SIGNAL CABLES/CONDUCTORS.

REGISTERED PROFESSIONAL ENGINEER JOHN P. KEATING 43595 Exp. Dec. 31, 2014 CIVIL STATE OF CALIFORNIA

ENGINEER OF WORK

JPK
JOHN P. KEATING R.C.E. 43595 DATE 12/9/14

Under Ground Service Alert of Southern California
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

LINSCOTT LAW & GREENSPAN engineers
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(858)300-8800 (858)300-8810 (FX)

LLG 3-136446.1 | TS4-6446.DWG | 12/9/14
Designed By: JPK | Drawn By: DVS | Checked By: JPK

MARK	REVISIONS	APPR.	DATE
1	SIGNAL MODIFICATION PER STREET WIDENING		

DESIGNED BY MAC DRAWN BY MAC CHECKED BY GMH

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
ENGINEERING MANAGER	F.M.	3/3/15
PRINCIPAL ENGINEER		
TRAFFIC DIVISION	E.H.	3.31.15
CONSTRUCTION ADMIN.		

APPROVED BY
CITY ENGINEER
DATE

TRAFFIC SIGNAL PLAN

VAN BUREN BOULEVARD AT WELLS AVENUE

SCALE: 1" = 20'

X-430B

SHEET 1 OF 1

FILE NAME: X430B.DWG