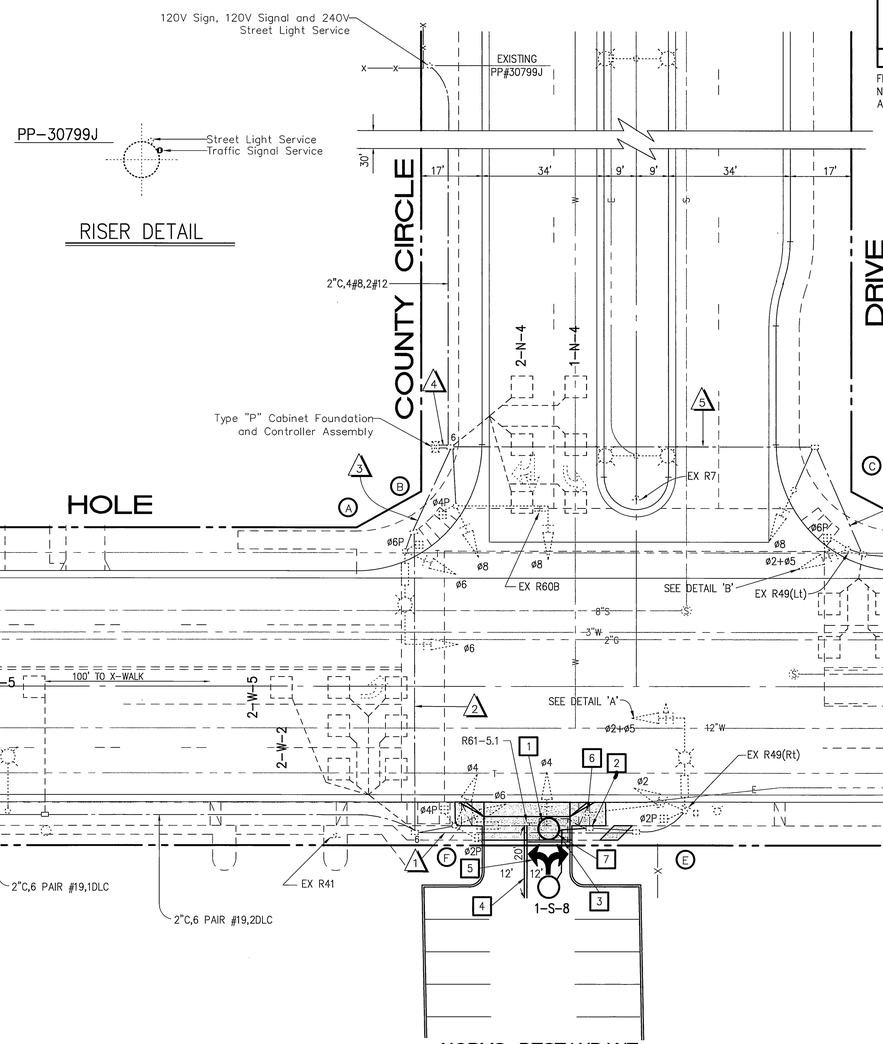
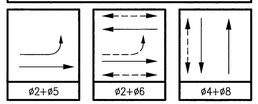
CONDUCTOR TABLE

AWG	CIRCUIT	RUNS 1	2	3	4	5	6
# 14	Ø2	3	3	3	6	3	3
	Ø4	–	3	3	3	–	–
	Ø5	2	2	2	4	2	2
	Ø6	–	3	3	3	–	–
	Ø8	–	–	–	6	3	–
	Ø2 PED	2	2	2	2	–	–
	Ø4 PED	–	2	2	4	–	–
	Ø6 PED	–	–	2	4	2	2
	Ø2 PPB	1	1	1	1	–	–
	Ø4 PPB	–	1	1	1	–	–
	Ø6 PPB	–	–	–	2	1	–
	PPB COMMON	1	1	1	2	1	–
	SPARES	3	3	3	6	3	3
	TOTAL	12	21	23	44	15	10
TYPE C DLC	Ø2 DETECTOR	–	2	2	2	–	–
	Ø4 DETECTOR	–	–	–	2	–	–
	Ø5 DETECTOR	–	2	2	2	–	–
	Ø6 DETECTOR	–	–	–	2	2	2
	Ø8 DETECTOR	1	1	1	1	–	–
	TOTAL	1	5	5	9	2	2
#12	I.I.S.N.S.	2	2	2	–	–	–
#10	SIGNAL COMMON	1	1	1	2	1	1
*	INTERCONNECT	–	1	1	1	–	–
#8	LUMINAIRE	2	2	2	–	–	–
	SIGNAL SERVICE	–	–	–	2	–	–
	TOTAL	2	2	2	2	–	–
CONDUIT SIZE		2"	3"	3"	2–3"	3"	2"

* 6–PAIR #19 CABLE
ALL CONDUIT AND CONDUCTORS ARE EXISTING.



PHASE DIAGRAM



FLASHING OPERATION SHALL BE ALL RED.
NOTE: WHEN ø5 IS CALLED, THERE MUST ALSO BE A CALL FOR ø4 AND/OR ø8.

POLE SCHEDULE

No.	STANDARD TYPE	HGT.	SIG. M.A.	LUM. M.A.	LUM. HPSV	I.I.S.N.S. LEGEND	SIGNAL HEAD	SIGNAL MOUNTING VEHICLE	PED	PPB PHASE	REMARKS
A	19–2–80	30'	25'	12'	250W	County Circle Dr	1W3C	MAS			
							1W3C	SV–1–T	SP–1–T	ø4	
B	18–1–80	17'	25'				1W3C	MAS			
							1W3C	SV–1–T	SP–1–T	ø6	
C	1–A	10'					1W3C	TV–1–T		ø6	
D	1–A	10'					1W5C	TV–1	SP–1–T		
E	19–2–80	30'	25'	12'	250W	County Circle Dr	1W5C	MAS			
							1W3C	SV–1–T	SP–1–T	ø2	
F	18–2–80	17'	25'			Hole Ave 10200	1W3C	MAS			
							1W3C	SV–2–TB	SP–2–T	ø4,ø2	

ALL EQUIPMENT IS EXISTING.

DETECTOR ASSIGNMENT

CHANNELS	LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
1	1–W–5	1	
2	2–W–5	3	
1,2	1–W–2	2	■ ●
1	2–W–2	4	
1,2	1–E–6	2	■ ●
1	2–E–6	4	
2	1–N–4	3	
1	2–N–4	3	
2	1–S–8	1	

■ = CALL–HOLD (EXTENSION).
● = ADDITIONAL CHANNEL FOR SAMPLING (FUTURE).

ALL SENSOR UNITS ARE EXISTING.

NOTE: 1–S–8 DETECTOR LOOPS ARE PREFORMED.

GENERAL NOTES:

1 — THIS TRAFFIC SIGNAL WORK REQUIRES A "STREET OPENING PERMINT" OBTAINED AT THE PUBLIC WORKS DEPARTMENT'S COUNTER ON THE THIRD FLOOR OF CITY HALL.

2 — TRAFFIC SIGNAL WORK SHALL BE PERFORMED IN ACCORDANCE TO THE MOST CURRENT PROVISIONS OF SECTION 86 OF THE STANDARD SPECIFICATIONS, THE STANDARD PLANS, BOTH PUBLISHED BY THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS), THE CONSTRUCTION PLAN(S), THE CONTRACT SPECIAL PROVISIONS AND AS DIRECTED BY THE CITY TRAFFIC ENGINEER.

3 — CONTACT TRAFFIC SIGNAL MAINTENANCE (909–351–6096) 48 HOURS IN ADVANCE TO SCHEDULE INSPECTION OF THE WORK PERFORMED. INSPECTION FOR TRAFFIC SIGNAL WORK SHALL BE AT THE RATE OF $55.00 PER HOUR.

4 — THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THESE PLANS FOR APPROVAL BY THE CITY TRAFFIC ENGINEER.

5 — CONSTRUCTION WORK THAT WILL CAUSE DAMAGE TO THE DETECTOR LOOP(S) SHALL NOT BE PERFORMED UNTIL TRAFFIC SIGNAL MAINTENANCE PERSONNEL HAVE BEEN NOTIFIED (909–351–6096) AND THE NECESSARY TIMING ADJUSTMENTS MADE TO MAINTAIN SIGNAL OPERATION.

6 — ALL EQUIPMENT AND LOOP LOCATIONS SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER OR HIS INSPECTOR PRIOR TO INSTALLATION BY THE CONTRACTOR.

7 — ALL DETECTOR LOOPS SHALL BE TYPE E WITH 10' AND 15' SPACING IN THE DIRECTION OF TRAVEL UNLESS SHOWN OTHERWISE.

8 — ALL DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE CITY TRAFFIC ENGINEER'S INSPECTOR.

9 — CONDUCTORS FOR DETECTOR LOOPS SHALL BE TYPE 2.

CONSTRUCTION NOTES (THIS SHEET):

1 — ABANDON EXISTING LOOP DETECTOR AND INSTALL NEW TYPE E 6' ROUND LOOP DETECTORS PER STATE STANDARD PLAN ES–5B.

2 — SPLICE NEW LOOP DETECTORS TO EXISTING LOOP DETECTOR LEAD–IN CABLE.

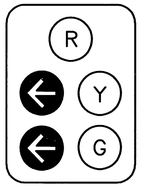
3 — INSTALL 12" THERMOPLASTIC LIMIT LINE PER CITY STD. (±12 L.F.).

4 — INSTALL 4" THERMOPLASTIC DOUBLE YELLOW STRIPE (±20 L.F.).

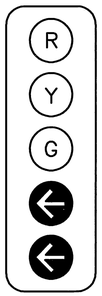
5 — INSTALL THERMOPLASTIC "ARROW" LEGEND PER CITY STD. (1 EA.).

6 — PROTECT IN PLACE.

7 — INSTALL TYPE 2 PREFORMED LOOP.



DETAIL "A"
NO SCALE



DETAIL "B"
NO SCALE

REGISTERED PROFESSIONAL ENGINEER
ALBERT H. ROVER
No. 40956
Exp. 3-31-03
CIVIL
STATE OF CALIFORNIA

TRAFFIC No. 1575
DATE: 9-27-01

AGA Job No. : 611–001
AGA File Name: NORMS_MD
Print Date : 9/27/01
Last Revision : 9/27/01

PROJECT: NORMS RESTAURANT
3887 TYLER STREET
RIVERSIDE, CA.

ALBERT A. ROVER & ASSOCIATES
(714) 992–2990
FAX 992–2883
TRANSPORTATION CONSULTING ENGINEERS
211 E. Imperial Hwy., Suite 208 Fullerton, CA 92835

MARK	REVISIONS	APPR.	DATE

DESIGNED BY_____ DRAWN BY_____ CHECKED BY_____

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	10/5/2001	
INSPECTION		
TRAFFIC DIVISION	10/2/01	
CHIEF P. W. ENGINEER		
~~MASTER INSPECTOR~~		

APPROVED BY [signature]
PUBLIC WORKS DIRECTOR
DATE 10/2/01

TRAFFIC SIGNAL PLAN

HOLE AVENUE AND COUNTY CIRCLE DRIVE

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

ACCOUNT NO.

X-338A

SHEET 1 OF 1

Underground Service Alert
Call TOLL FREE
1-800
227-2600
TWO WORKING DAYS BEFORE YOU DIG

CONDUCTOR TABLE

AWG	CIRCUIT	RUNS 1	2	3	4	5	6
# 14	Ø2	3	3	3	3	6	3
	Ø4	–	3	3	3	3	–
	Ø5	2	2	2	2	4	2
	Ø6	–	3	3	3	3	–
	Ø8	–	–	–	3	6	–
	Ø2 PED	2	2	2	2	2	–
	Ø4 PED	–	2	2	2	2	–
	Ø6 PED	–	–	2	2	4	2
	Ø2 PPB	1	1	1	1	1	–
	Ø4 PPB	–	1	1	1	1	–
	Ø6 PPB	–	–	–	1	2	–
	PPB COMMON	1	1	1	1	2	–
	SPARES	3	3	3	3	6	3
	TOTAL	12	21	23	27	42	10
TYPE C DLC	Ø2 DETECTOR	–	2	2	2	2	–
	Ø4 DETECTOR	–	–	–	2	2	–
	Ø5 DETECTOR	–	2	2	2	2	–
	Ø6 DETECTOR	–	–	–	–	2	2
	Ø8 DETECTOR	1	1	1	1	1	–
	TOTAL	1	5	5	7	9	2
#12	I.I.S.N.S.	2	2	2	2	2	–
#10	SIGNAL COMMON	1	1	1	1	2	1
*	*INTERCONNECT*	–	1	1	1	1	–
#8	LUMINAIRE	2	2	2	–	–	–
	SIGNAL SERVICE	–	–	–	2	2	–
	TOTAL	2	2	2	2	2	–
CONDUIT SIZE		2"	3"	3"	3"	2–3"	2"

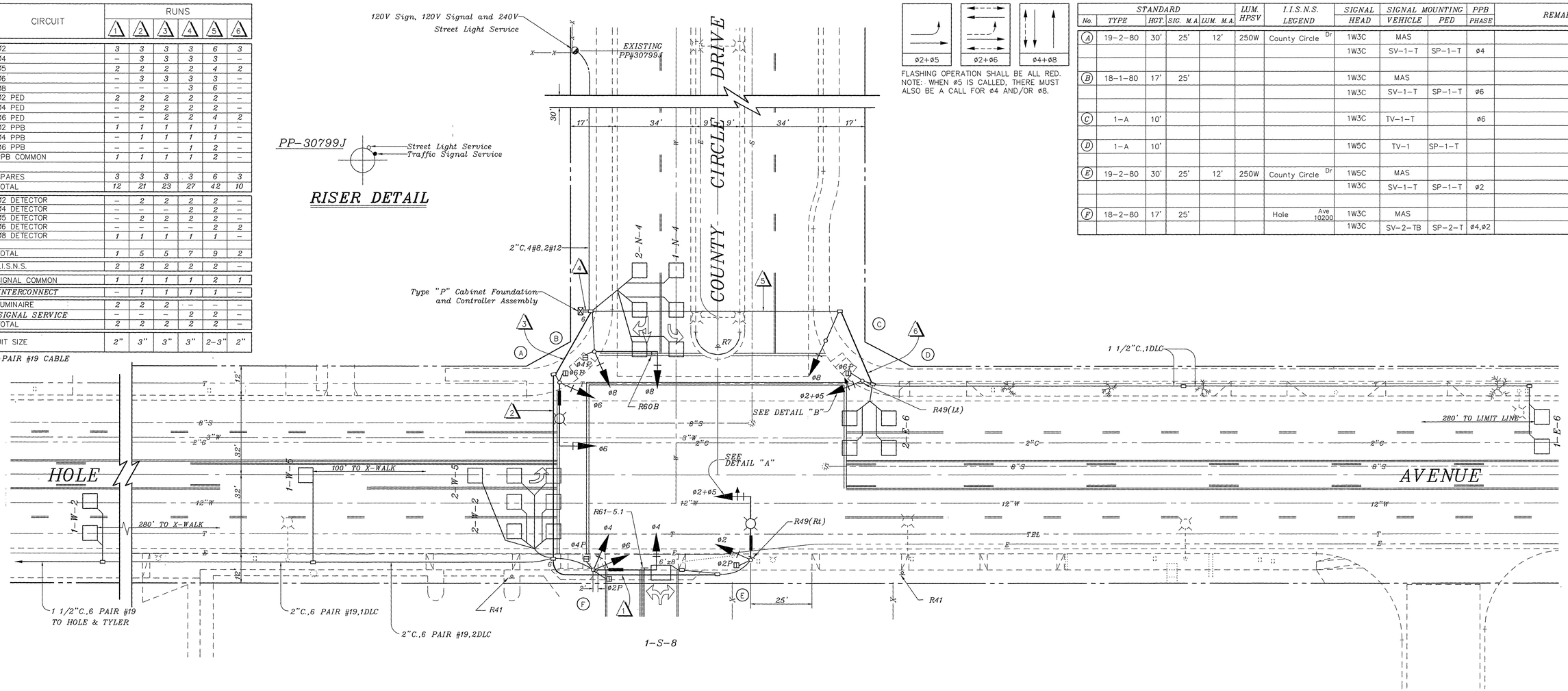
* 6–PAIR #19 CABLE

PHASE DIAGRAM

FLASHING OPERATION SHALL BE ALL RED.
NOTE: WHEN Ø5 IS CALLED, THERE MUST ALSO BE A CALL FOR Ø4 AND/OR Ø8.

POLE SCHEDULE

No.	TYPE	HGT.	STANDARD SIG. M.A.	STANDARD LUM. M.A.	LUM. HPSV	I.I.S.N.S. LEGEND	SIGNAL HEAD	SIGNAL MOUNTING VEHICLE	SIGNAL MOUNTING PED	PPB PHASE	REMARKS
(A)	19–2–80	30'	25'	12'	250W	County Circle Dr	1W3C	MAS			
							1W3C	SV–1–T	SP–1–T	Ø4	
(B)	18–1–80	17'	25'				1W3C	MAS			
							1W3C	SV–1–T	SP–1–T	Ø6	
(C)	1–A	10'					1W3C	TV–1–T		Ø6	
(D)	1–A	10'					1W5C	TV–1	SP–1–T		
(E)	19–2–80	30'	25'	12'	250W	County Circle Dr	1W5C	MAS			
							1W3C	SV–1–T	SP–1–T	Ø2	
(F)	18–2–80	17'	25'			Hole Ave 10200	1W3C	MAS			
							1W3C	SV–2–TB	SP–2–T	Ø4,Ø2	



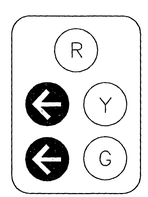
DETECTOR ASSIGNMENT

CHANNELS	LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
1	1–W–5	1	
2	2–W–5	3	
1,2	1–W–2	2	■●
1	2–W–2	4	
1,2	1–E–6	2	■●
1	2–E–6	4	
2	1–N–4	3	
1	2–N–4	3	
2	1–S–8	1	

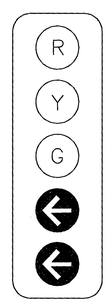
■ = CALL–HOLD (EXTENSION).
● = ADDITIONAL CHANNEL FOR SAMPLING (FUTURE).

DETECTORS SHALL BE RACK–MOUNTED 2–CHANNEL

NOTE: (1) DETECTOR TIMING FEATURES MAY BE ACCOMPLISHED THROUGH INTERNAL LOGIC OF THE CONTROLLER UNIT.
(2) 1–S–8 DETECTOR LOOP IS PREFORMED.



DETAIL "A"
NO SCALE



DETAIL "B"
NO SCALE

Underground Service Alert
Call: TOLL FREE
1–800
422–4133
TWO WORKING DAYS BEFORE YOU DIG

MARK	REVISIONS	APPR.	DATE
	AS–BUILT PER SIGNALIZATION	MAC	11/3/93

DESIGNED BY ____ DRAWN BY ____ CHECKED BY ____

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF F.W. ENGR.		
PUBLIC UTILITIES		

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE

TRAFFIC SIGNAL PLAN

HOLE AVENUE AND COUNTY CIRCLE DRIVE

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

ACCT. NO. X–338

SHEET 1 OF 1

FILE NO.