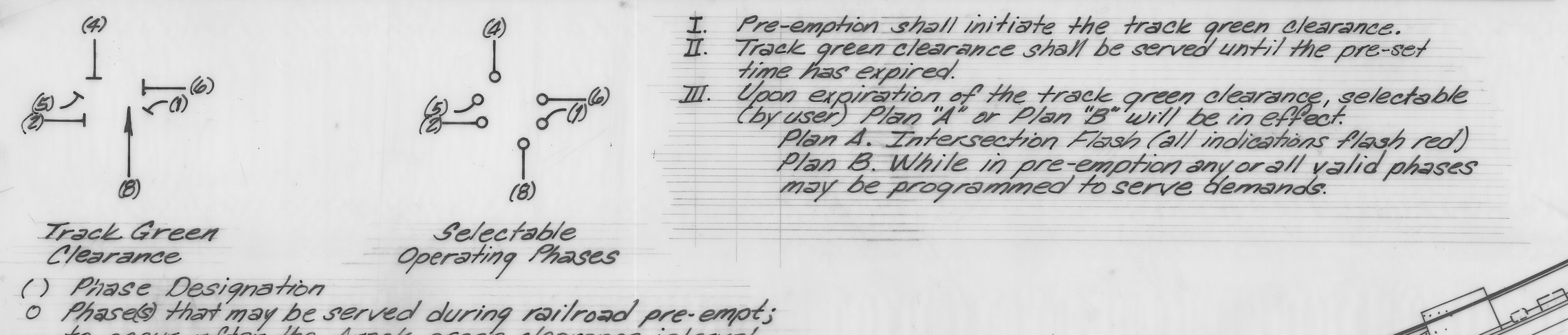


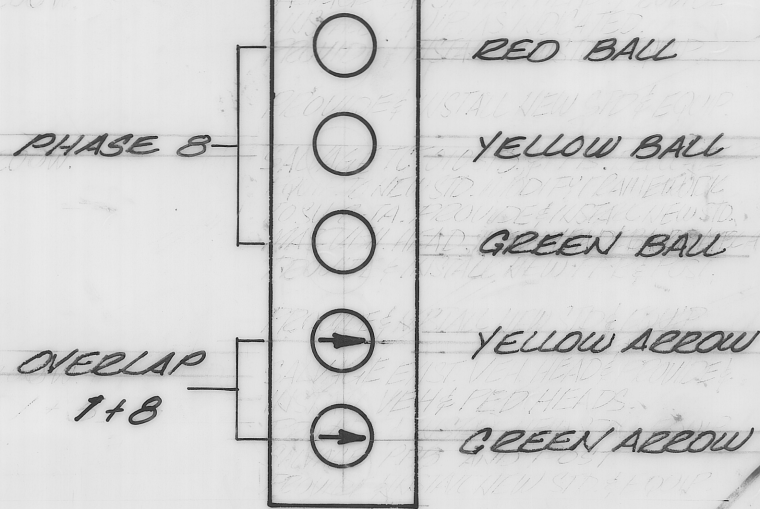
EQUIPMENT SCHEDULE									
LOCATION	STANDARD	VEHICLE HEADS		PEDESTRIAN HEADS		LUMINAIRE	INT. LIGHT STREET NAME SIGN	REMARKS	
		HEAD	HOUSING	HEAD	HOUSING				
A	PH-1-70	INVC (PP)	MAS						
		INVC (PP)	MAS						
		INVC (PP)	MAS						
B	IA100	INVC (PP)	TR-LT						
C	172-80	INVC (PP)	MAS						
		INVC (PP)	MAS						
D	IA100	INVC (PP)	TR-LT						
E	PH-1-70	INVC (PP)	MAS						
		INVC (PP)	MAS						
F	IA100	INVC (PP)	TR-LT						
G	4506	INVC (PP)	SP-LT						
H	IA100	INVC (PP)	TR-LT						

RAILROAD PRE-EMPT PROGRAMMING / OPERATION (FUTURE)



DETECTOR SCHEDULE

No. of Channels	Loop Designations	No. of Loops	Features
1	1-N-1	1	●
2	2-N-2	3	●
3	1-S-5	1	●
4	2-S-5	3	●
5	1-S-2	2	■
6	1-S-2	2	●
7	2-S-2	4	●
8	1-N-6	2	●
9	1-N-6	2	■
10	2-N-6	4	●
11	1-W-4	3	●
12	2-W-4	1	▲
13	1-E-B	1	■
14	1-E-B	1	■
15	2-E-5	3	■



Detectors shall be rack-mounted 2 channel (also see Special Provisions)

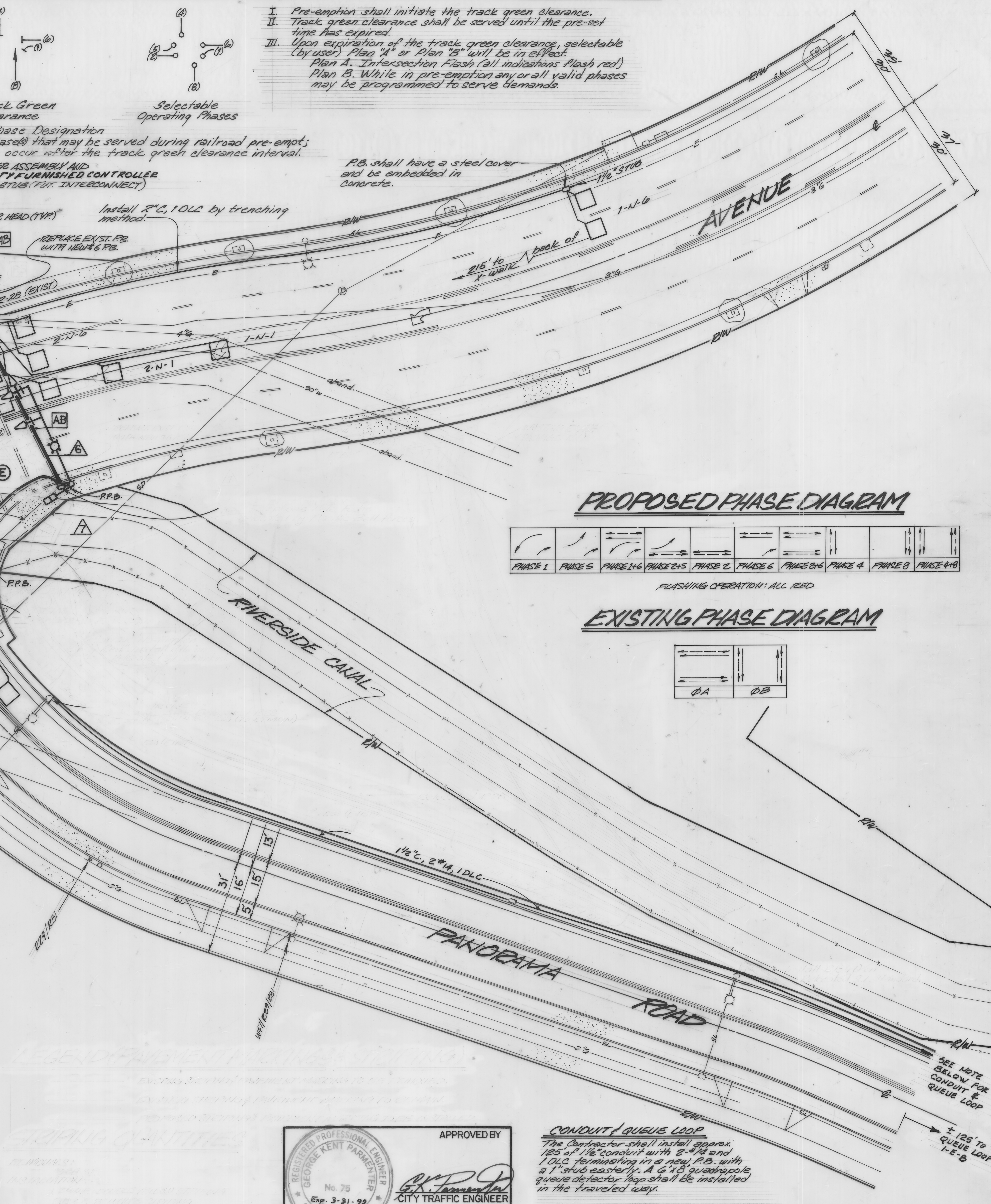
- Call Hold (Extension)
- Future Sampling
- ▲ Delay

NOTES:

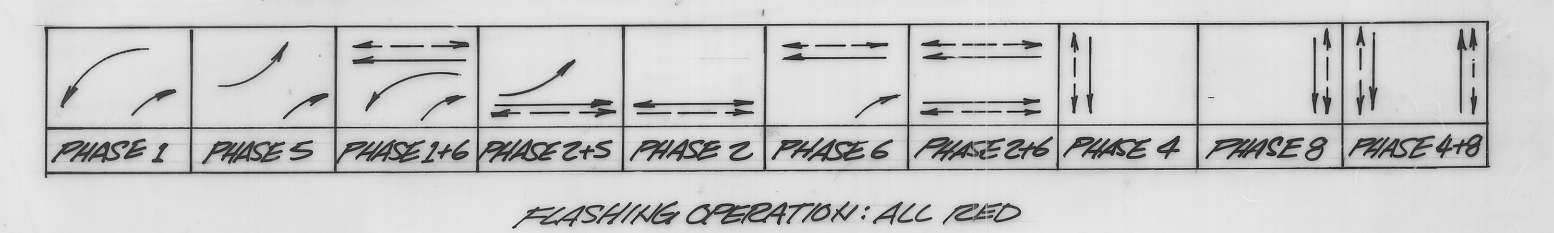
1. Detector timing features may be accomplished thru internal logic of the Controller Unit.
2. See Special Provisions regarding Detector Disconnection.
3. **QUEUE DETECTOR LOOP OPERATION:** Uninterrupted occupancy on this detector loop for a pre-determined time (selectable from 0 to 200 seconds min.) shall cause the termination of any conflicting phase(s) being served. After termination of said phase(s), Phase B shall be served until the detection area becomes vacant.

CONDUCTOR SCHEDULE

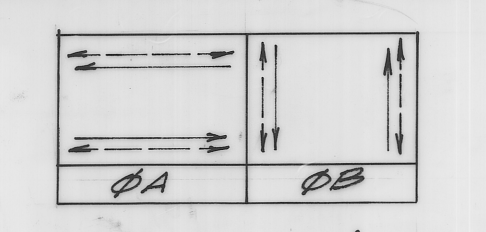
CONTROL FUNCTION	CONDUCTORS	CONDUIT RUN												
		1	2	3	4	5	6	7	8	9	10	11	12	13
VEHICLE HEADS	#1 TR													
OL 1+8	#1 TR													
PEDESTRIAN HEADS	#2 TR													
PED. PUSH BUTTON	#2 TR													
R.E. PRE-EMPT PHASES	#3 TR													
TR. COMMON DETECTOR CABLES	#4 TR													
T.S.N.S. FOR COMMON LUMINAIRES	#5 TR													
SIGNAL SERVICE	#6 TR													
TOTALS	#A TR	16	22	28	60	38	27	20	16	10				
	#B TR	8	2	2	2	2	2	2	2	2				
	#C TR	2	2	2	2	2	2	2	2	2				
	#D TR	2	2	2	2	2	2	2	2	2				
CONDUIT SIZE		2"	2"	3"	3 1/2"	3"	3"	2"	2"	2"				



PROPOSED PHASE DIAGRAM



EXISTING PHASE DIAGRAM



APPROVED BY

 DATE: 7/11/88

CONDUIT / QUEUE LOOP
 The Contractor shall install approx. 185' of 1 1/2" conduit with 2-4" and 1 1/2" O.D.C. terminating in a new P.B. with a 1" stub eastward. A 6" x 6" quadrupole queue detector loop shall be installed in the traveled way.

ENGINEER IN RESPONSIBLE CHARGE
 George H. Kamrath
 RCE 16152 expires 6-30-89

REGISTERED PROFESSIONAL ENGINEER
 GEORGE H. KAMRATH
 No. 16152
 CIVIL
 STATE OF CALIFORNIA

CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT

TRAFFIC SIGNAL REVISIONS
 OLIVEWOOD AVE, RAMONIA DR.
 ELMWOOD CT. & PANORAMA RD.
 CONTRACT TE-88-5
 ACCOUNT NO. 20-716-921-07
 X-410
 SHEET 1 OF 1