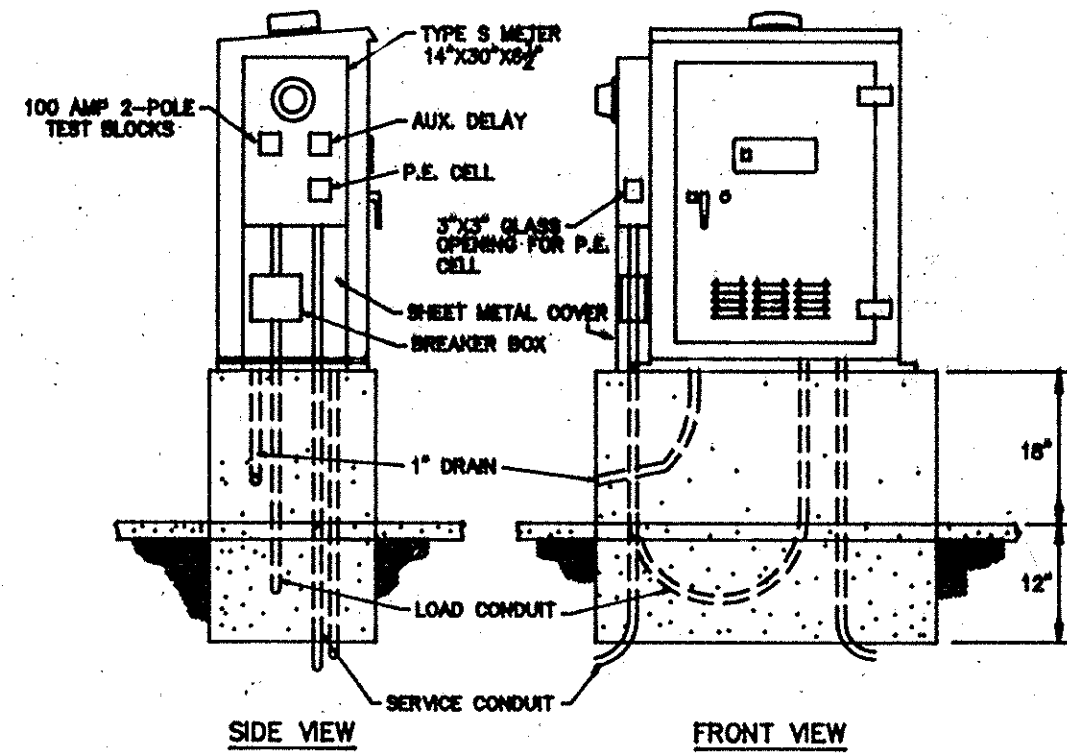
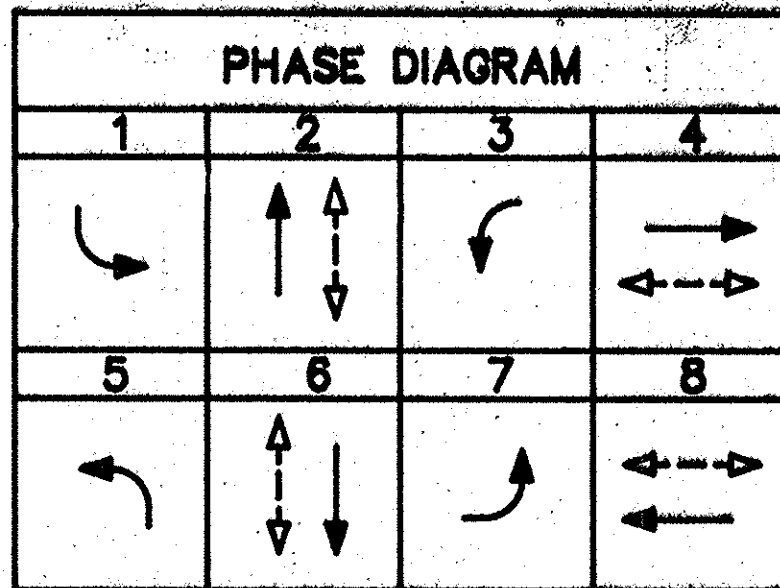
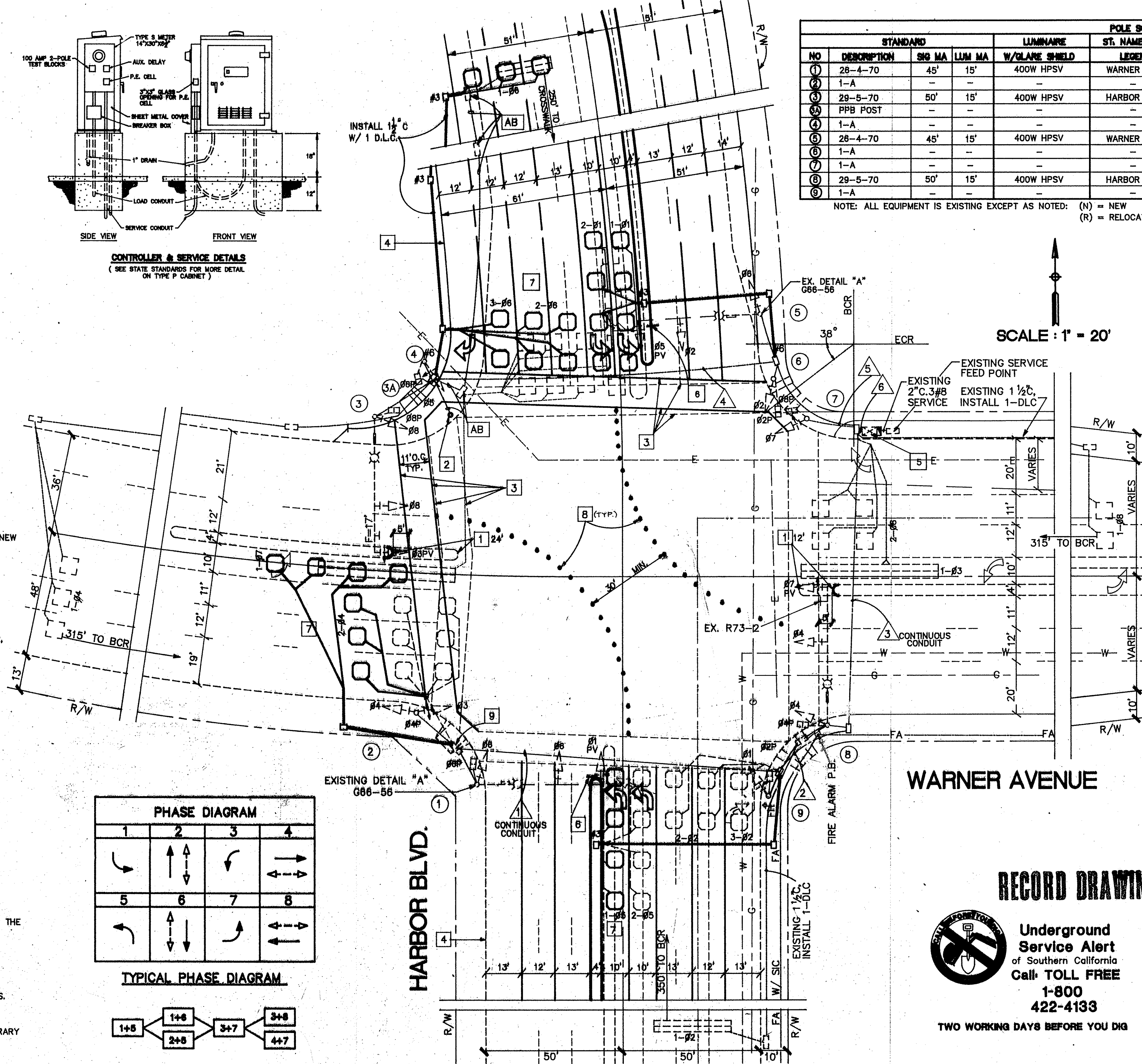


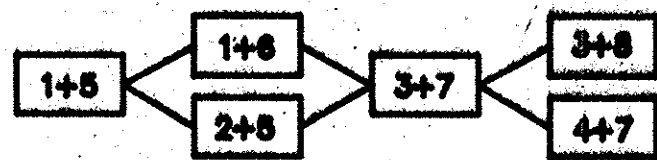
CONDUCTOR TABLE									
AWG	CIRCUIT	RUNS							
		1	2	3	4	5	6	7	8
14	01	3	3	3		3	3		
	02				3	3			
	03	3	3	3	3	3	6		
	04	3	3	3		3	3		
	05				3	3	3		
	06	3	3	3		3	6		
	07			3			6		
	08				3	3	3		
	02P		2	2		2	4		
	04P	2	2	2		2	2		
	06P	2	2	2		2	4		
	08P				2	2	4		
	02PPB		1	1			2		
	04PPB	1	1	1		1	1		
	06PPB	1	1	1		1	2		
	08PPB				1	1	1		
	L.S.N.S	2	2	2	2	2	4		
	SPARES	3	3	3	3	3	6		
	TOTAL	23	25	29	20	28	63		
12	PPB COMMON	1	1	1	1	1	2		
	TOTAL	1	1	1	1	1	2		
10	SG COMMON	1	1	1	2				
	LUMINAIRE	2	2	2	2	2	4		
	TOTAL	3	3	3	6				
DLC CABLE 2#12	01					2(N)	2(N)		
	02		1/2(N)	1/2(N)			1/2(N)		
	03								
	04	1(N)	1(N)	1(N)	1	1	1/2(N)		
	05		2(N)	2(N)			2(N)		
	06				3(N)	3(N)	3(N)		
	07	1(N)	1(N)	1(N)			1(N)		
	08						2		
	TOTAL	2	7	7	4	6	16		
INT CABLE	TOTAL								
	CONDUIT SIZE	2"	3"	3"	2"	3"	(2-2")		



CONTROLLER & SERVICE DETAILS
(SEE STATE STANDARDS FOR MORE DETAIL ON TYPE P CABINET)

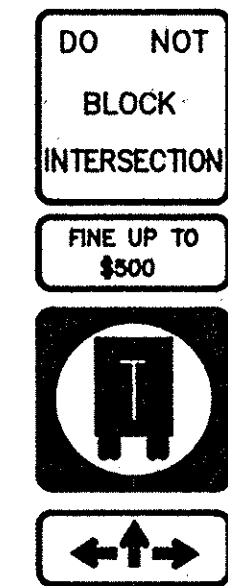


TYPICAL PHASE DIAGRAM



POLE SCHEDULE									
NO	DESCRIPTION	STANDARD		LUMINAIRE	ST. NAME SIGN	SIGNAL MOUNTING		PED PUSH BTN	
		SG MA	LUM MA			VEHICLE	PED	TYPE PHASE	QUAD
1	28-4-70	45'	15'	400W HPSV	WARNER AVE.	2-MAS	SV-1-T	SP-1-T	B 4 N
2	1-A	-	-	-	-	-	TV-2-T	SP-1-T	B 6 E
3	29-5-70	50'	15'	400W HPSV	HARBOR BLVD.	1-MAS	SV-1-T	SP-1-T	B 6 E
4	PPB POST	-	-	-	-	-	-	-	B 6/8 W/N
5	1-A	-	-	-	-	-	TV-1-T	SP-1-T	B 8 S
6	28-4-70	45'	15'	400W HPSV	WARNER AVE.	2-MAS	SV-1-T	-	-
7	1-A	-	-	-	-	-	TV-1-T	SP-1-T	B 8 S
8	1-A	-	-	-	-	-	TV-1-T	SP-1-T	B 2 W
9	29-5-70	50'	15'	400W HPSV	HARBOR BLVD.	1-MAS	SV-1-T	SP-1-T	B 2 W
10	1-A	-	-	-	-	-	TV-1-T	SP-1-T	B 4 N

NOTE: ALL EQUIPMENT IS EXISTING EXCEPT AS NOTED: (N) = NEW
(R) = RELOCATE



DETAIL "A"
SPECIAL SIGN
(EXISTING)
NO SCALE

SENSOR SCHEDULE		
SENSOR	CHANNEL	DETECTOR
1 (N)	1	1-02 ▲
	2	1-02 *
	3	1-06 *
	4	1-04 *
2 (N)	1	1-04 *
	2	1-08 *
	3	1-08 *
	4	2-05
3 (R)	1	2-01
	2	3-06
4 (R)	1	1-05
	2	2-02
5 (E)	1	1-01
	2	2-06
6 (E)	1	1-07
	2	2-04
7 (E)	1	1-03
	2	2-08
8 (E)	1	3-04
	2	SPARE

ALL SENSORS SHALL BE CAPABLE OF DELAY AND EXTENSION TIMING
▲ SYSTEM SAMPLING - NO OUTPUT TO PHASE
* INTEGRAL CALL HOLD CAPABILITY (0-7.5 SEC)
(E) = EXISTING
(N) = NEW (DETECTOR SYSTEM MODEL 921-2TC OR COMPATIBLE)
(R) = REUSE

CONSTRUCTION NOTES

1. SHORTEN EXISTING RAISED MEDIAN NOSE. SEE STREET IMPROVEMENT PLANS.
2. REMOVE AND SALVAGE EXISTING P.P.B. AND POST.
3. REMOVE EXISTING CROSSWALK BY WET SANDBLASTING AND INSTALL NEW CROSSWALKS. REMOVE TRAFFIC LINES TO NEW CROSSWALK LINE.
4. SEE CHANNELIZATION PLAN FOR ALL STRIPING CHANGES. SANDBLAST ANY CONFLICTING STRIPING.
5. FURNISH AND INSTALL TWO NEW SENSOR UNITS AND REUSE THREE EXISTING SENSOR UNITS PER SENSOR SCHEDULE. SALVAGE ONE REMAINING EXISTING SENSOR UNIT.
6. REMOVE AND SALVAGE EXISTING R73-2 SIGN. INSTALL R73-5 SIGN.
7. INSTALL TRAFFIC DETECTOR LOOPS.
8. INSTALL TYPE "A" R.P.M.'S @ 4' O.C.
9. ADJUST EXISTING PULLBOX TO GRADE.

WARNER AVENUE

RECORD DRAWING



Underground
Service Alert
of Southern California
Call TOLL FREE
1-800
422-4133

TWO WORKING DAYS BEFORE YOU DIG

FILE NO.

REVISIONS

NUMBER	DATE	INITIALS	DESCRIPTIONS	APPROVED

REFERENCES

BENCH MARK	ELEVATION

PREPARED UNDER THE SUPERVISION OF	DATE
DESIGNED D.T.	11/92
DRAWN D.T., K.D.	11/92
CHECKED	2/18/93
APPROVED	2/19/93
TRAFFIC ENGINEER	R.C.E. NO. 31285

TRAFFIC SIGNAL MODIFICATION
WARNER AVENUE AND HARBOR BLVD.

PUBLIC WORKS AGENCY
CITY OF SANTA ANA

PROJECT NO. 1440

SHEET 38 OF 60