

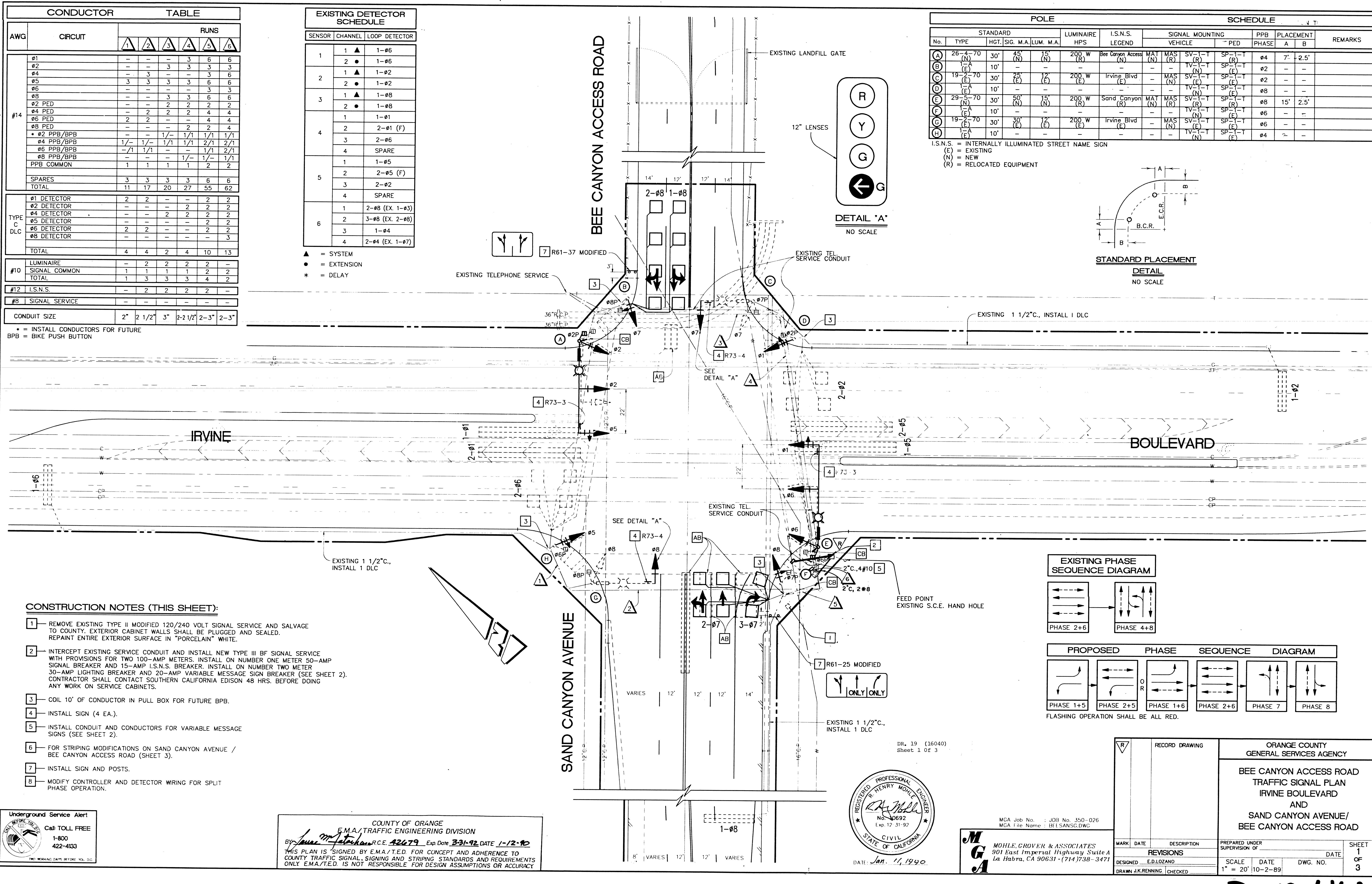
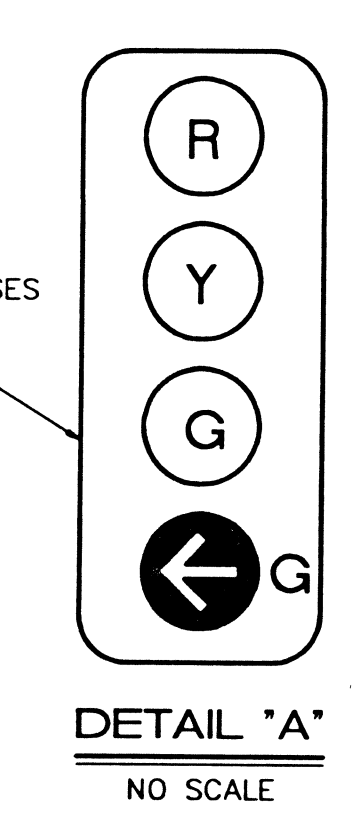
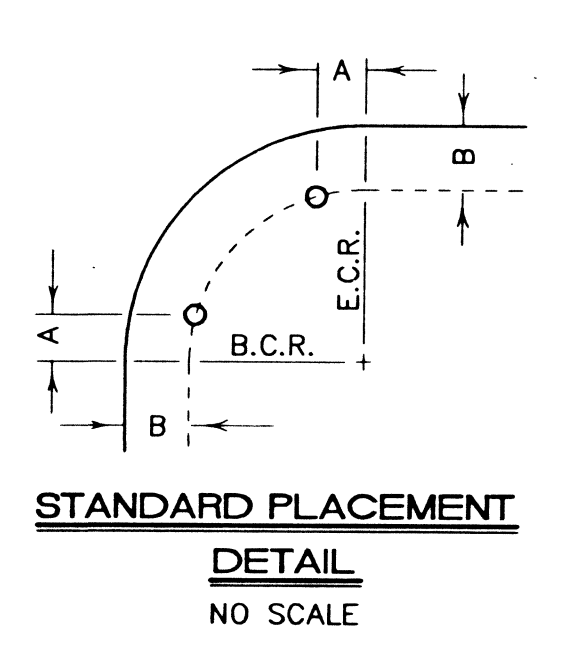
CONDUCTOR		TABLE					
AWG	CIRCUIT	RUNS					
		1	2	3	4	5	6
#14	Ø1	-	-	-	3	6	6
#14	Ø2	-	-	3	3	3	3
#14	Ø4	-	3	-	-	3	6
#14	Ø5	3	3	3	3	6	6
#14	Ø6	-	-	-	-	3	3
#14	Ø8	-	-	3	3	6	6
#14	Ø2 PED	-	-	2	2	2	2
#14	Ø4 PED	-	2	2	2	4	4
#14	Ø6 PED	2	2	-	-	4	4
#14	Ø8 PED	-	-	-	2	2	4
#14	* Ø2 PPB/BPB	-	-	1/-	1/1	1/1	1/1
#14	Ø4 PPB/BPB	1/-	1/-	1/1	1/1	2/1	2/1
#14	Ø6 PPB/BPB	-1/1	1/1	-	-	1/1	2/1
#14	Ø8 PPB/BPB	-	-	-	1/-	1/-	1/1
#14	PPB COMMON	1	1	1	1	2	2
#14	SPARES	3	3	3	3	6	6
#14	TOTAL	11	17	20	27	55	62
TYPE C	Ø1 DETECTOR	2	2	-	-	2	2
TYPE C	Ø2 DETECTOR	-	-	-	2	2	2
TYPE C	Ø4 DETECTOR	-	-	2	2	2	2
TYPE C	Ø5 DETECTOR	-	-	-	-	2	2
TYPE C	Ø6 DETECTOR	2	2	-	-	2	2
TYPE C	Ø8 DETECTOR	-	-	-	-	-	3
TYPE C	TOTAL	4	4	2	4	10	13
#10	LUMINAIRE	-	2	2	2	2	-
#10	SIGNAL COMMON	1	1	1	1	2	2
#10	TOTAL	1	3	3	3	4	2
#12	I.S.N.S.	-	2	2	2	2	-
#13	SIGNAL SERVICE	-	-	-	-	-	-
CONDUIT SIZE		2"	2 1/2"	3"	2-2 1/2"	2-3"	2-3"

* = INSTALL CONDUCTORS FOR FUTURE
BPB = BIKE PUSH BUTTON

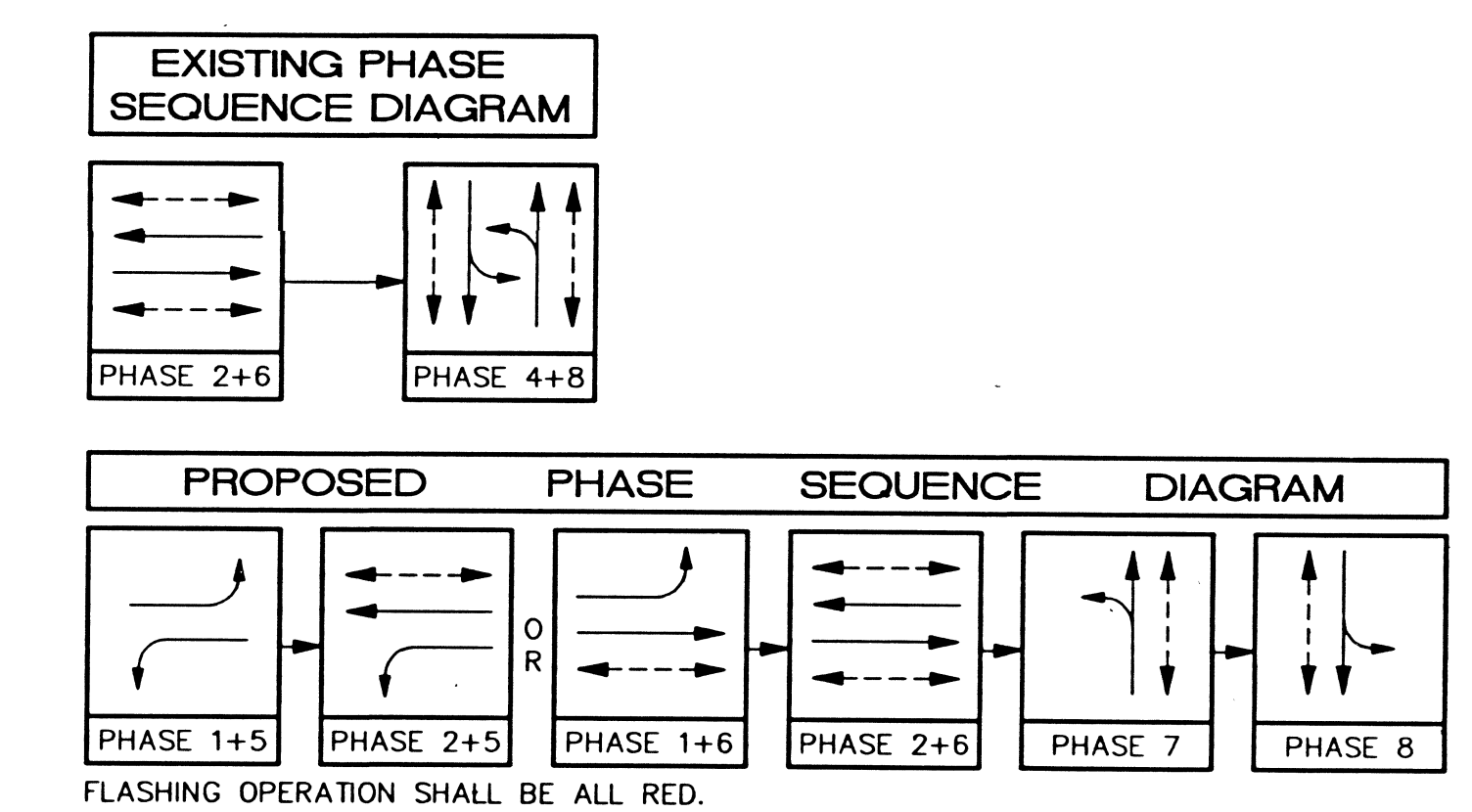
EXISTING DETECTOR SCHEDULE		
SENSOR	CHANNEL	LOOP DETECTOR
1	1 ▲	1-Ø6
	2 ●	1-Ø6
2	1 ▲	1-Ø2
	2 ●	1-Ø2
3	1 ▲	1-Ø8
	2 ●	1-Ø8
4	1	1-Ø1
	2	2-Ø1 (F)
	3	2-Ø6
	4	SPARE
5	1	1-Ø5
	2	2-Ø5 (F)
	3	2-Ø2
	4	SPARE
6	1	2-Ø8 (EX. 1-Ø3)
	2	3-Ø8 (EX. 2-Ø8)
	3	1-Ø4
	4	2-Ø4 (EX. 1-Ø7)

▲ = SYSTEM
● = EXTENSION
* = DELAY

POLE						SCHEDULE							
STANDARD						LUMINAIRE	I.S.N.S.	SIGNAL MOUNTING		PPB	PLACEMENT		REMARKS
No.	TYPE	HGT.	SIG.	M.A.	LUM. M.A.	HPS	LEGEND	VEHICLE	PED		A	B	
(A)	26-4-70 (N)	30'	45' (N)	15' (N)	200 W (R)	Bee Canyon Access (N)	MAT (N)	MAS (R)	SV-1-T (R)	SP-1-T (R)	Ø4	7'-2.5'	
(B)	19-2-70 (E)	10'	-	-	-	-	-	-	TV-1-T (N)	SP-1-T (E)	Ø2	-	
(C)	19-2-70 (E)	30'	25' (E)	12' (E)	200 W (E)	Irvine Blvd (E)	-	MAS (N)	SV-1-T (E)	SP-1-T (E)	Ø2	-	
(D)	19-2-70 (E)	10'	-	-	-	-	-	-	TV-1-T (N)	SP-1-T (R)	Ø8	-	
(E)	29-5-70 (N)	30'	50' (N)	15' (N)	200 W (R)	Sand Canyon (R)	MAT (N)	MAS (R)	SV-1-T (R)	SP-1-T (R)	Ø8	15'-2.5'	
(F)	19-2-70 (E)	10'	-	-	-	-	-	-	TV-1-T (R)	SP-1-T (R)	Ø6	-	
(G)	19-2-70 (E)	30'	30' (E)	12' (E)	200 W (E)	Irvine Blvd (E)	-	MAS (N)	SV-1-T (E)	SP-1-T (R)	Ø6	-	
(H)	19-2-70 (E)	10'	-	-	-	-	-	-	TV-1-T (N)	SP-1-T (F)	Ø4	-	



- CONSTRUCTION NOTES (THIS SHEET):**
- 1- REMOVE EXISTING TYPE II MODIFIED 120/240 VOLT SIGNAL SERVICE AND SALVAGE TO COUNTY. EXTERIOR CABINET WALLS SHALL BE PLUGGED AND SEALED. REPAINT ENTIRE EXTERIOR SURFACE IN "PORCELAIN" WHITE.
 - 2- INTERCEPT EXISTING SERVICE CONDUIT AND INSTALL NEW TYPE III BF SIGNAL SERVICE WITH PROVISIONS FOR TWO 100-AMP METERS. INSTALL ON NUMBER ONE METER 50-AMP SIGNAL BREAKER AND 15-AMP I.S.N.S. BREAKER. INSTALL ON NUMBER TWO METER 30-AMP LIGHTING BREAKER AND 20-AMP VARIABLE MESSAGE SIGN BREAKER (SEE SHEET 2). CONTRACTOR SHALL CONTACT SOUTHERN CALIFORNIA EDISON 48 HRS. BEFORE DOING ANY WORK ON SERVICE CABINETS.
 - 3- COIL 10' OF CONDUCTOR IN PULL BOX FOR FUTURE BPB.
 - 4- INSTALL SIGN (4 EA.).
 - 5- INSTALL CONDUIT AND CONDUCTORS FOR VARIABLE MESSAGE SIGNS (SEE SHEET 2).
 - 6- FOR STRIPING MODIFICATIONS ON SAND CANYON AVENUE / BEE CANYON ACCESS ROAD (SHEET 3).
 - 7- INSTALL SIGN AND POSTS.
 - 8- MODIFY CONTROLLER AND DETECTOR WIRING FOR SPLIT PHASE OPERATION.



Underground Service Alert

Call TOLL FREE 1-800-422-4133

COUNTY OF ORANGE
E.M.A./TRAFFIC ENGINEERING DIVISION

By *[Signature]* R.C.E. 42679 Exp. Date 3-31-92 DATE 1-12-90

THIS PLAN IS SIGNED BY E.M.A./T.E.D. FOR CONCEPT AND ADHERENCE TO COUNTY TRAFFIC SIGNAL, SIGNING AND STRIPING STANDARDS AND REQUIREMENTS ONLY. E.M.A./T.E.D. IS NOT RESPONSIBLE FOR DESIGN ASSUMPTIONS OR ACCURACY.

REGISTERED PROFESSIONAL ENGINEER
R. HENRY MOHLE
No. 9692
Exp. 12-31-92
CIVIL
STATE OF CALIFORNIA

DATE: Jan. 11, 1990

MGA Job No. : JOB No. 350-026
MGA File Name : BFLSANG.DWG

MGA
MOHLE, GROVER & ASSOCIATES
901 East Imperial Highway Suite A
La Habra, CA 90631 (714) 738-3471

MARK	DATE	DESCRIPTION
DESIGNED	E.D. LOZANO	
DRAWN	J.K. RENNING	CHECKED

ORANGE COUNTY
GENERAL SERVICES AGENCY

BEE CANYON ACCESS ROAD
TRAFFIC SIGNAL PLAN
IRVINE BOULEVARD
AND
SAND CANYON AVENUE/
BEE CANYON ACCESS ROAD

PREPARED UNDER SUPERVISION OF

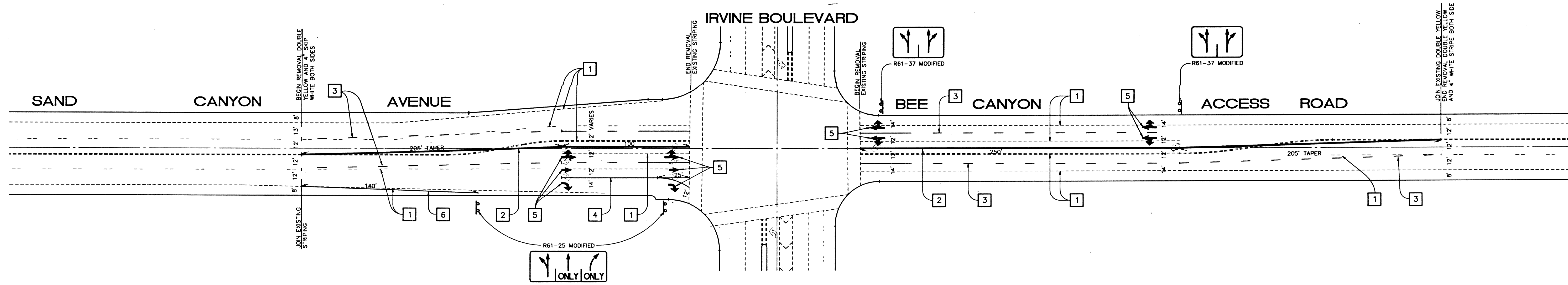
SCALE 1" = 20'

DATE 10-2-89

DWG. NO.

SHEET 1 OF 3

DR 10 (16040)



CONSTRUCTION NOTES (THIS SHEET):

- 1— REMOVE EXISTING STRIPING, PAVEMENT ARROW LEGENDS (BY WET SANDBLASTING) AND RAISED PAVEMENT MARKERS. LIMITS AS SHOWN ON PLAN.
- 2— PAINT 4" DOUBLE YELLOW AND INSTALL PAVEMENT MARKERS PER CALTRANS STANDARD A20-A DETAIL 22 (±760 L.F.).
- 3— PAINT 4" SKIP WHITE AND INSTALL PAVEMENT MARKERS PER CALTRANS STANDARD A20-A DETAIL 9 (±1315 L.F.).
- 4— PAINT 8" WHITE STRIPE AND INSTALL PAVEMENT MARKERS PER CALTRANS STANDARD A20-C DETAIL 38A (±100 L.F.).
- 5— PAINT ARROW LEGENDS (10 EA.).
- 6— PAINT 4" WHITE STRIPE (±140 L.F.).

DR. 19 (16040)
Sheet 3 of 3



DATE: Oct 3, 1989
MGA Job No. : JOB NO.
MGA File Name : SAND-STR.DWG

MGA
MOHLE, GROVER & ASSOCIATES
901 East Imperial Highway Suite A
La Habra, CA 90631 • (714) 738-3471

ORANGE COUNTY GENERAL SERVICES AGENCY			
BEE CANYON ACCESS ROAD STRIPING PLAN IRVINE BOULEVARD AND SAND CANYON AVENUE/ BEE CANYON ACCESS ROAD			
MARK	DATE	DESCRIPTION	PREPARED UNDER SUPERVISION OF
REVISIONS			DATE
DESIGNED	E.D.LOZANO		
DRAWN	J.K.RENNING	CHECKED	
SCALE	DATE	DWG. NO.	SHEET
1" = 40'	4-14-89		3 OF 3

DR 10 / 160401