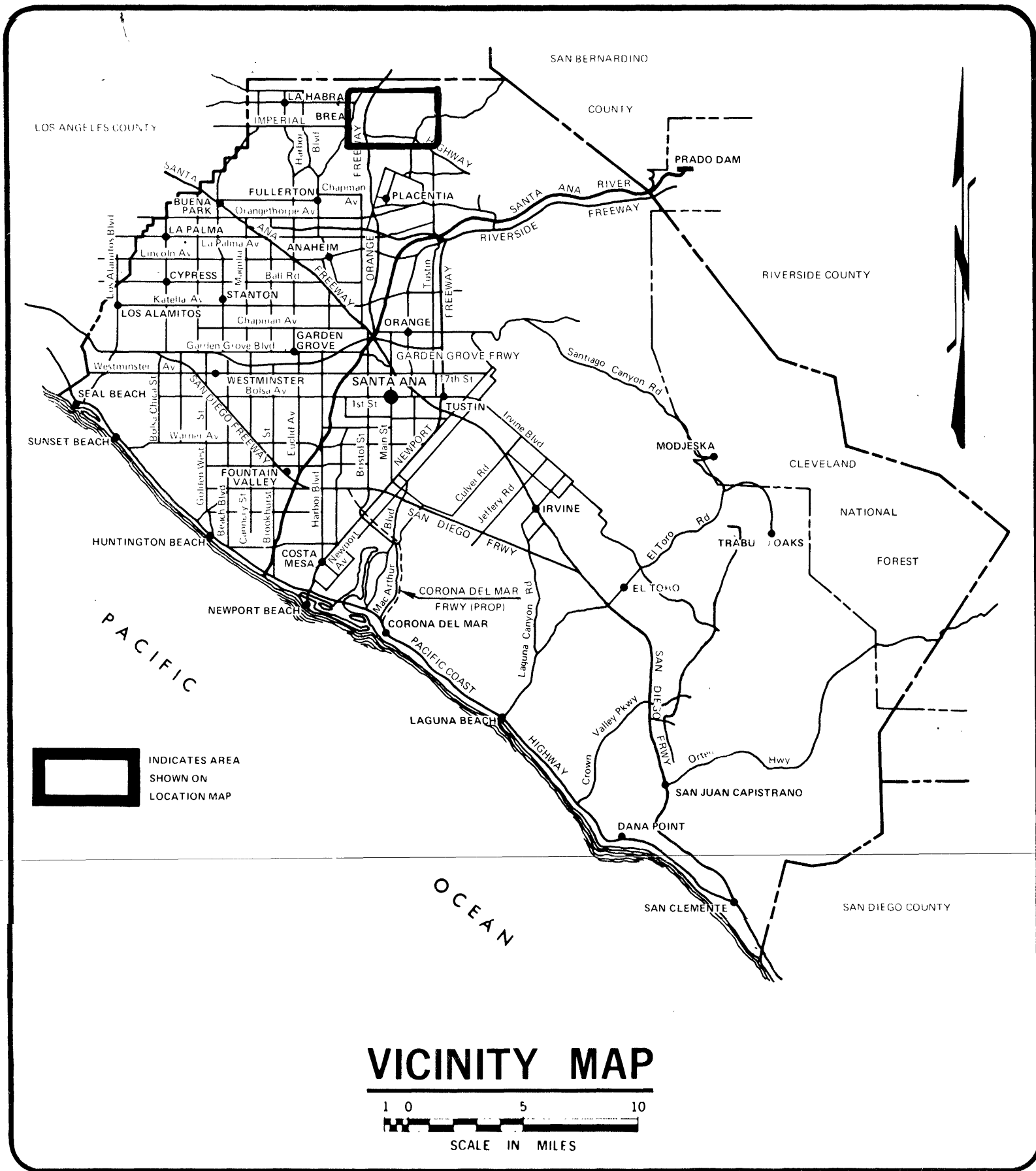


DRAWING NUMBER
C220.1
DATE
10/3
BY
JANUARY 1984
DRAWN BY
JANUARY 1984
CHECKED BY
JANUARY 1984
APPROVED BY
JANUARY 1984
PROJECT NUMBER
C220.1
SHEET NUMBER
1 OF 3

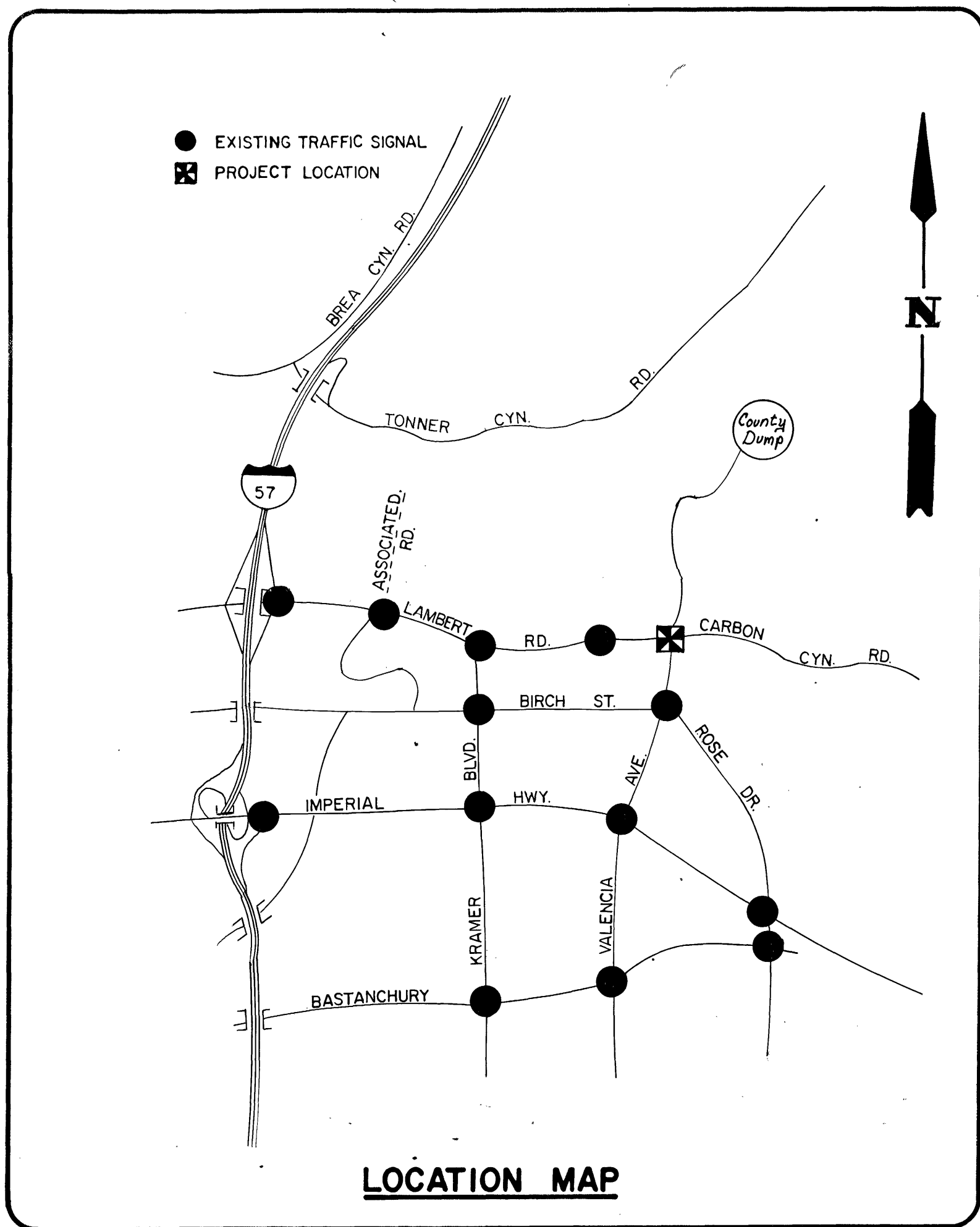


ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY

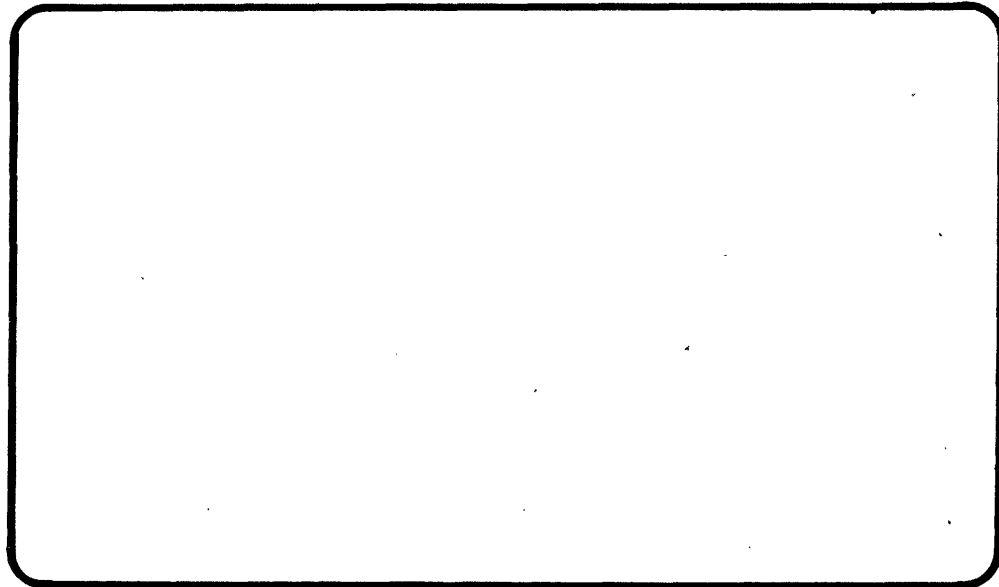
SANTA ANA, CALIFORNIA
M. STORM, DIRECTOR

PLANS FOR CONSTRUCTION OF
TRAFFIC SIGNAL and HIGHWAY LIGHTING IMPROVEMENTS and ROAD WIDENING
at the INTERSECTION of

LAMBERT ROAD,
CARBON CANYON ROAD
and
VALENCIA AVENUE



FUNDED BY: G.S.A. / WASTE MANAGEMENT ENTERPRISE FUND (2991)



EMA-DEVELOPMENT

SUBMITTED: *Mitsuru Yamada* 4/6/84
MITSURU YAMADA

RECOMMENDED: *Steven M. Hogan*
STEVEN M. HOGAN RCE 29268
RTE 1133

APPROVED: *William L. Zaun* 4/11/84
WILLIAM L. ZAUN RCE 13525
RTE 676

CALIFORNIA DEPARTMENT of TRANSPORTATION

CONCURRENCE: *John E. Reeves*
JOHN E. REEVES, CHIEF
TRAFFIC OPERATIONS BRANCH

INDEX OF SHEETS	
SHEET	DESCRIPTION
1.	TITLE SHEET
2.	TRAFFIC SIGNAL PLAN
3.	SIGNING, STRIPING and ROAD CONSTRUCTION PLAN.

UTILITY	PHONE NO.
SOUTHERN CAL. EDISON TRANSMISSION	(714) 973-5414
SOUTHERN CAL. EDISON DISTRIBUTION	(714) 870-3226
CITIES SERVICE OIL & GAS - GENE RICE	(714) 993-6090
MOBIL OIL - KEN ROBINSON	(213) 328-2550 x463
SHELL CAL. PRODUCTION - LARRY SHAHAN	(714) 528-7076
CITY OF BREA - SAM PETERSON	(714) 990-7600
PACIFIC BELL - JO McCARD	(714) 999-5716
UNDERGROUND SERVICE ALERT	1-800-422-4133

BENCH MARK:

BASIS OF BEARING:

NO.	DESCRIPTION	SHT.	APPROVED	DATE
2	AS BUILT	1,283	I. OCHOA	12/5/85
1	CALTRANS PERMIT NO.959	283	M. YAMADA	8/14/85

W. O. NO. C28529
DWG. NO.

SHEET 1 OF 3
BOETTCHER

DRAWING NUMBER
C220.2
DATE
10/1/84
BY
J. L. B. / J. L. B.

DRAWING NUMBER
C220.2
DATE
10/1/84
BY
J. L. B. / J. L. B.

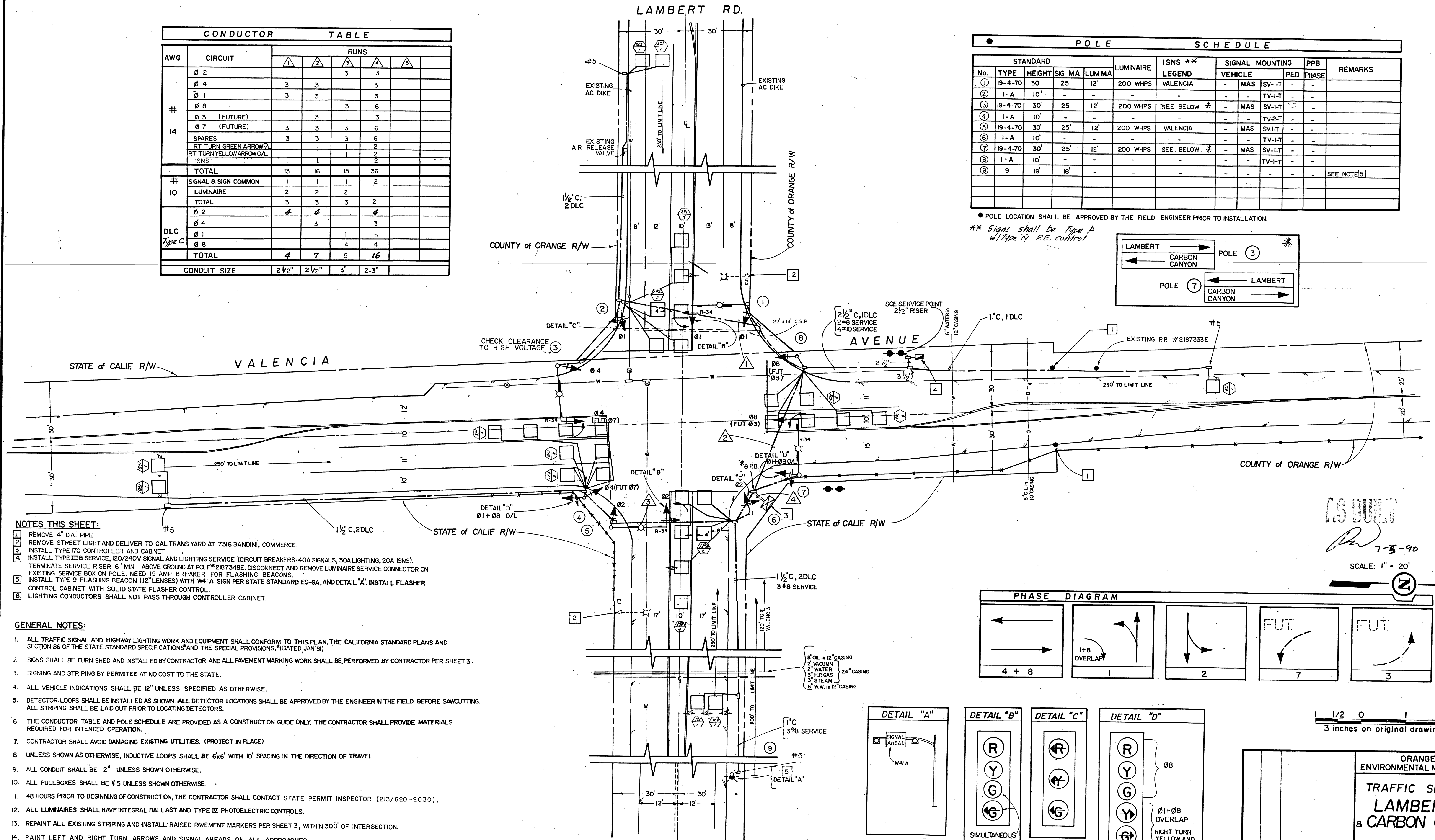
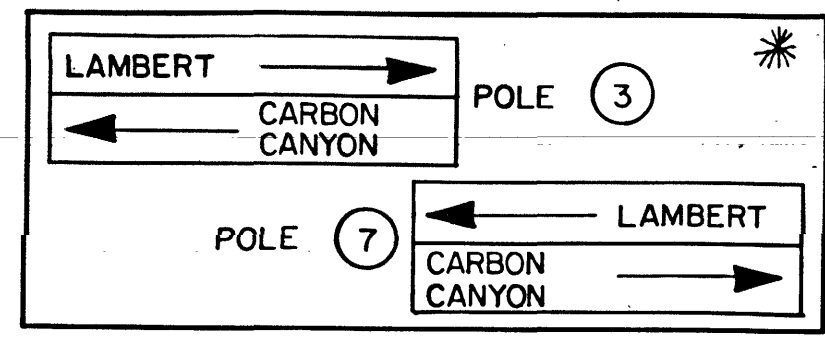
DRAWING NUMBER
C220.2
DATE
10/1/84
BY
J. L. B. / J. L. B.

DRAWING NUMBER
C220.2
DATE
10/1/84
BY
J. L. B. / J. L. B.

CONDUCTOR		TABLE				
AWG	CIRCUIT	1	2	3	4	5
#14	Ø 2			3	3	
	Ø 4	3	3		3	
	Ø 1	3	3		3	
	Ø 8			3	6	
	Ø 3 (FUTURE)		3		3	
	Ø 7 (FUTURE)	3	3	3	6	
	SPARES	3	3	3	6	
	RT TURN GREEN ARROW			1	2	
	RT TURN YELLOW ARROW			1	2	
	ISNS	1	1	1	2	
	TOTAL	13	16	15	36	
#10	SIGNAL & SIGN COMMON	1	1	1	2	
	LUMINAIRE	2	2	2		
	TOTAL	3	3	3	2	
DLC Type C	Ø 2	4	4		4	
	Ø 4				3	
	Ø 1			1	5	
	Ø 8			4	4	
	TOTAL	4	7	5	16	
CONDUIT SIZE		2 1/2"	2 1/2"	3"	2-3"	

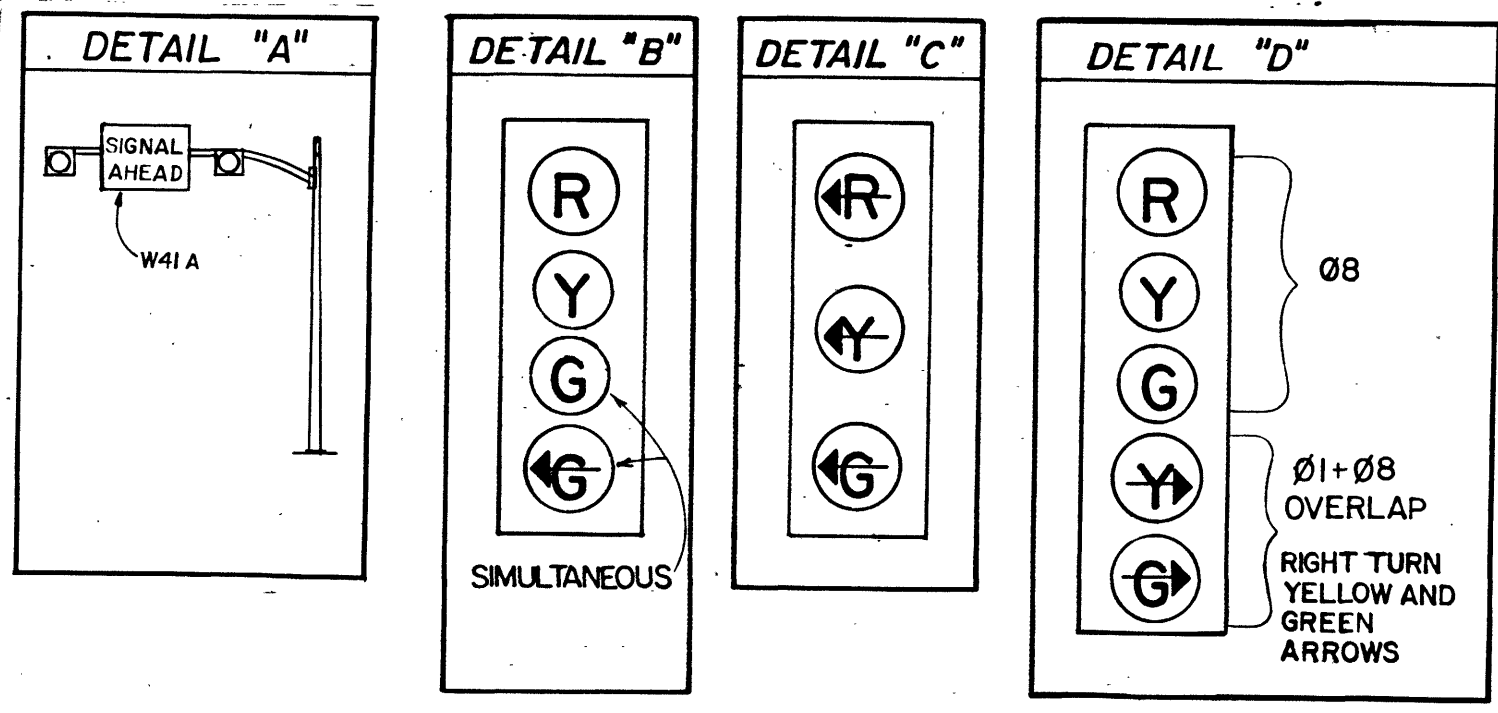
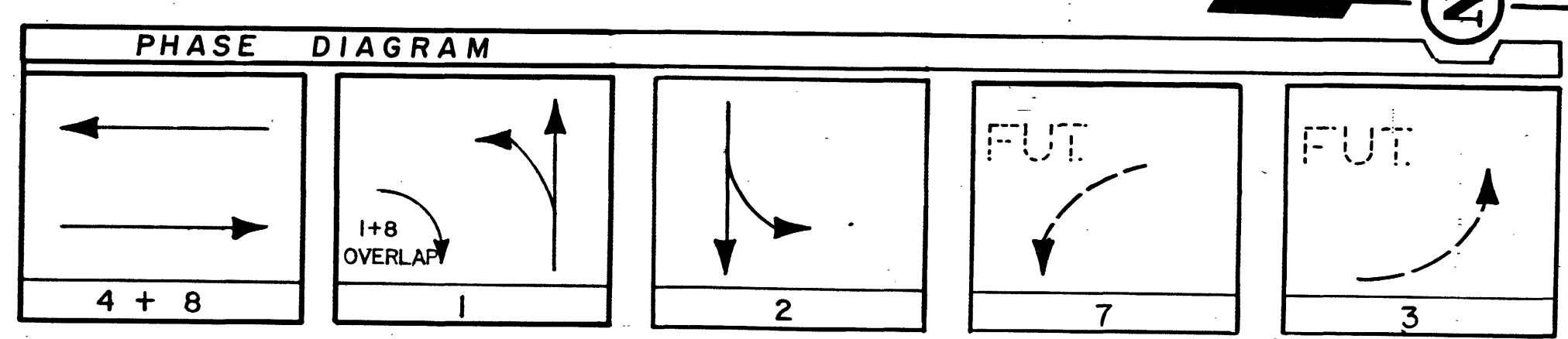
POLE SCHEDULE											
STANDARD						SIGNAL MOUNTING					
No.	TYPE	HEIGHT	SIG	MA	LUMMA	LUMINAIRE	ISNS	LEGEND	VEHICLE	PED	PHASE
1	19-4-70	30'	25	12'		200 WHPS	VALENCIA		MAS	SV-1-T	-
2	1-A	10'	-	-		-	-	-	-	-	-
3	19-4-70	30'	25	12'		200 WHPS	SEE BELOW	*	MAS	SV-1-T	-
4	1-A	10'	-	-		-	-	-	-	-	-
5	19-4-70	30'	25	12'		200 WHPS	VALENCIA		MAS	SV-1-T	-
6	1-A	10'	-	-		-	-	-	-	-	-
7	19-4-70	30'	25	12'		200 WHPS	SEE. BELOW	*	MAS	SV-1-T	-
8	1-A	10'	-	-		-	-	-	-	-	-
9	9	19'	18'	-		-	-	-	-	-	-
SEE NOTE 5											

POLE LOCATION SHALL BE APPROVED BY THE FIELD ENGINEER PRIOR TO INSTALLATION
** Signs shall be Type A w/Type IV P.E. control



- NOTES THIS SHEET:**
- REMOVE 4" DIA. PIPE
 - REMOVE STREET LIGHT AND DELIVER TO CALTRANS YARD AT 7316 BANDINI, COMMERCE.
 - INSTALL TYPE I70 CONTROLLER AND CABINET
 - INSTALL TYPE IIB SERVICE, 120/240V SIGNAL AND LIGHTING SERVICE (CIRCUIT BREAKERS: 40A SIGNALS, 30A LIGHTING, 20A ISNS). TERMINATE SERVICE RISER 6" MIN. ABOVE GROUND AT POLE #2187348. DISCONNECT AND REMOVE LUMINAIRE SERVICE CONNECTOR ON EXISTING SERVICE BOX ON POLE. NEED 15 AMP BREAKER FOR FLASHING BEACONS.
 - INSTALL TYPE 9 FLASHING BEACON (12" LENSES) WITH W41A SIGN PER STATE STANDARD ES-9A, AND DETAIL "A". INSTALL FLASHER CONTROL CABINET WITH SOLID STATE FLASHER CONTROL.
 - LIGHTING CONDUCTORS SHALL NOT PASS THROUGH CONTROLLER CABINET.

- GENERAL NOTES:**
- ALL TRAFFIC SIGNAL AND HIGHWAY LIGHTING WORK AND EQUIPMENT SHALL CONFORM TO THIS PLAN, THE CALIFORNIA STANDARD PLANS AND SECTION 66 OF THE STATE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS, (DATED JAN 81)
 - SIGNS SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR AND ALL PAVEMENT MARKING WORK SHALL BE PERFORMED BY CONTRACTOR PER SHEET 3.
 - SIGNING AND STRIPING BY PERMITEE AT NO COST TO THE STATE.
 - ALL VEHICLE INDICATIONS SHALL BE 12" UNLESS SPECIFIED AS OTHERWISE.
 - DETECTOR LOOPS SHALL BE INSTALLED AS SHOWN. ALL DETECTOR LOCATIONS SHALL BE APPROVED BY THE ENGINEER IN THE FIELD BEFORE SAWCUTTING. ALL STRIPING SHALL BE LAID OUT PRIOR TO LOCATING DETECTORS.
 - THE CONDUCTOR TABLE AND POLE SCHEDULE ARE PROVIDED AS A CONSTRUCTION GUIDE ONLY. THE CONTRACTOR SHALL PROVIDE MATERIALS REQUIRED FOR INTENDED OPERATION.
 - CONTRACTOR SHALL AVOID DAMAGING EXISTING UTILITIES. (PROTECT IN PLACE)
 - UNLESS SHOWN AS OTHERWISE, INDUCTIVE LOOPS SHALL BE 6x6" WITH 10' SPACING IN THE DIRECTION OF TRAVEL.
 - ALL CONDUIT SHALL BE 2" UNLESS SHOWN OTHERWISE.
 - ALL PULLBOXES SHALL BE #5 UNLESS SHOWN OTHERWISE.
 - 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT STATE PERMIT INSPECTOR (213/620-2030).
 - ALL LUMINAIRES SHALL HAVE INTEGRAL BALLAST AND TYPE III PHOTOELECTRIC CONTROLS.
 - REPAINT ALL EXISTING STRIPING AND INSTALL RAISED PAVEMENT MARKERS PER SHEET 3, WITHIN 300' OF INTERSECTION.
 - PAINT LEFT AND RIGHT TURN ARROWS AND SIGNAL AHEADS ON ALL APPROACHES.



CALTRANS - TRAFFIC (ELECTRICAL)			
SUBMITTED BY	REVIEWED BY	REVIEWED BY	DATE
Johnnie Peters	A. L. B.	B. H. Clark	6/84

PERMIT NO. 784-NSN-0959

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY			
TRAFFIC SIGNAL PLAN LAMBERT ROAD & CARBON CANYON RD. VALENCIA AVE.			
sgn	12/5/85	As built	
MARK	DATE	DESCRIPTION	PREPARED UNDER SUPERVISION OF
DESIGNED	1/2/86	1/2/86	1/2/86
DRAWN	1/2/86	CHECKED	1/2/86
SCALE	DATE	DWG. NO.	SHEET
AS SHOWN	02-27-84	01	2

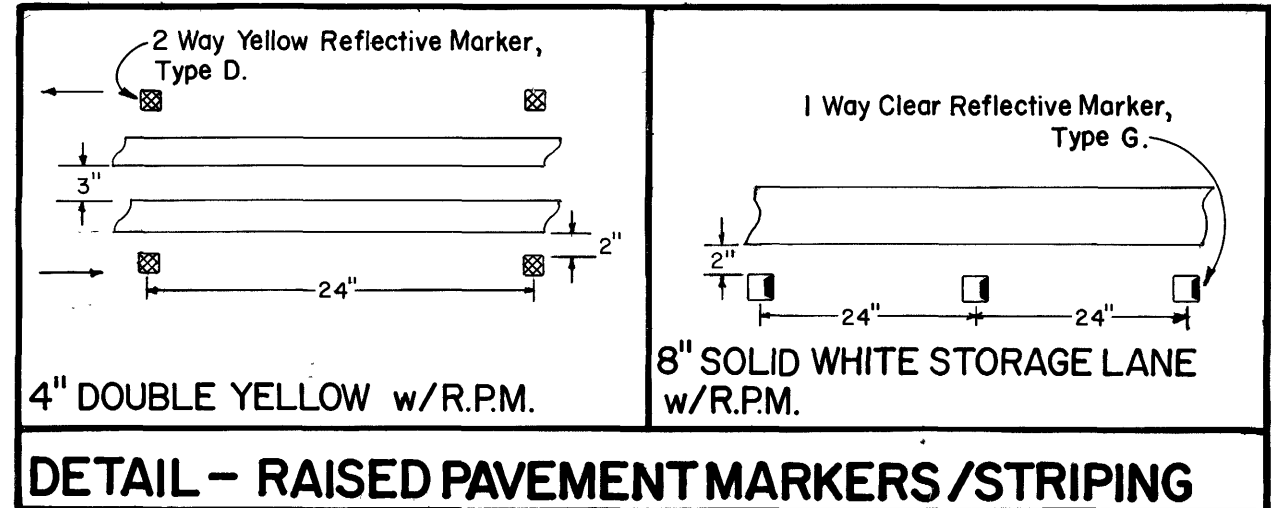
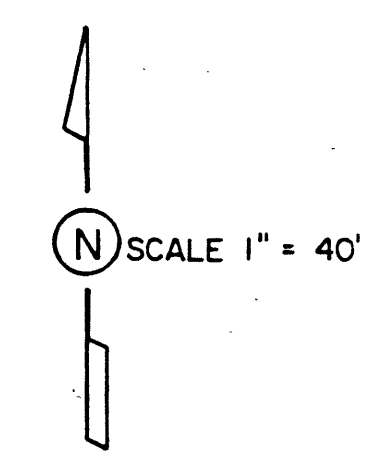
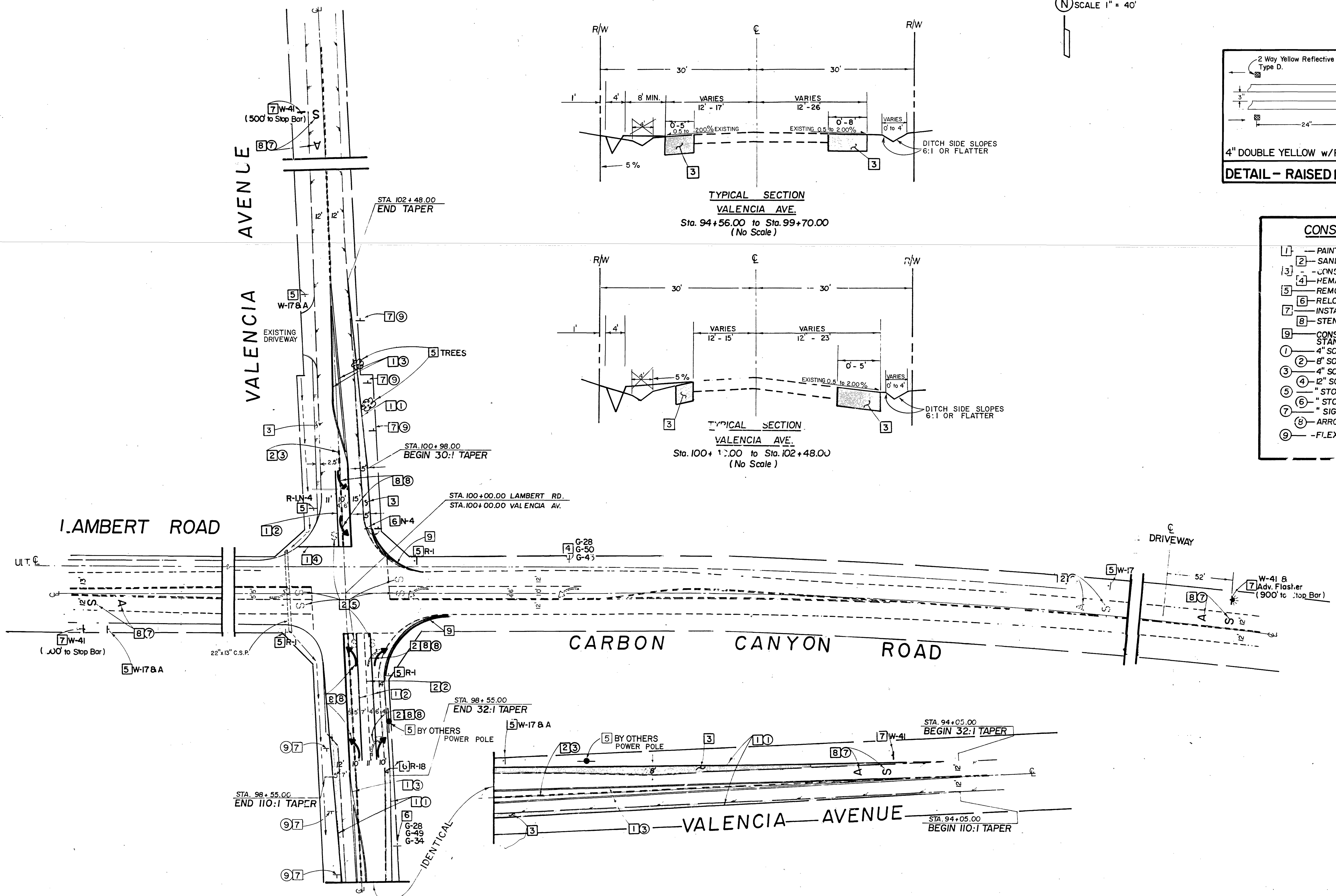
ORA-142-1.81

DRAWING NUMBER
C220.3
DATE
3/93
BY
J. G. O.

DRAWING NUMBER
C220.3
DATE
3/93
BY
J. G. O.

DRAWING NUMBER
C220.3
DATE
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BY
J. G. O.

DRAWING NUMBER
C220.3
DATE
3/93
BY
J. G. O.



- CONSTRUCTION NOTES**
- 1. PAINT.
 - 2. SANDBLAST.
 - 3. CONSTRUCT 1.10 FT. A.C. CONC. OVER N.S.
 - 4. REMAIN IN PLACE.
 - 5. REMOVE.
 - 6. RELOCATE.
 - 7. INSTALL.
 - 8. STENCIL.
 - 9. CONSTRUCT 8" AC DIKE PER O.C.E.M.A. STANDARD PLAN NO. 201.
 - 10. 4" SOLID WHITE.
 - 11. 8" SOLID WHITE (PER DETAIL).
 - 12. 4" SOLID DOUBLE YELLOW (PER DETAIL).
 - 13. 12" SOLID WHITE.
 - 14. "STOP".
 - 15. "STOP AHEAD".
 - 16. "SIGNAL AHEAD".
 - 17. ARROW.
 - 18. FLEXIBLE (L3) MARKER.

AS BUILT
7-5-90

1 1/2 0 1 2
3 inches on original drawing

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY			
LAMBERT ROAD & CARBON CANYON RD. AT VALENCIA AVE. SIGNING, STRIPING & ROAD CONSTRUCTION PLAN			
DATE	DESCRIPTION	PREPARED UNDER	SHEET
12/5/85	As built	Supervision	1 of 1
REVISIONS			
DESIGNED	DATE	DWG. NO.	
1. G. O.	2-84	84-3	
DRAWN	CHECKED	DATE	
I. L. E.	I. G. O.		