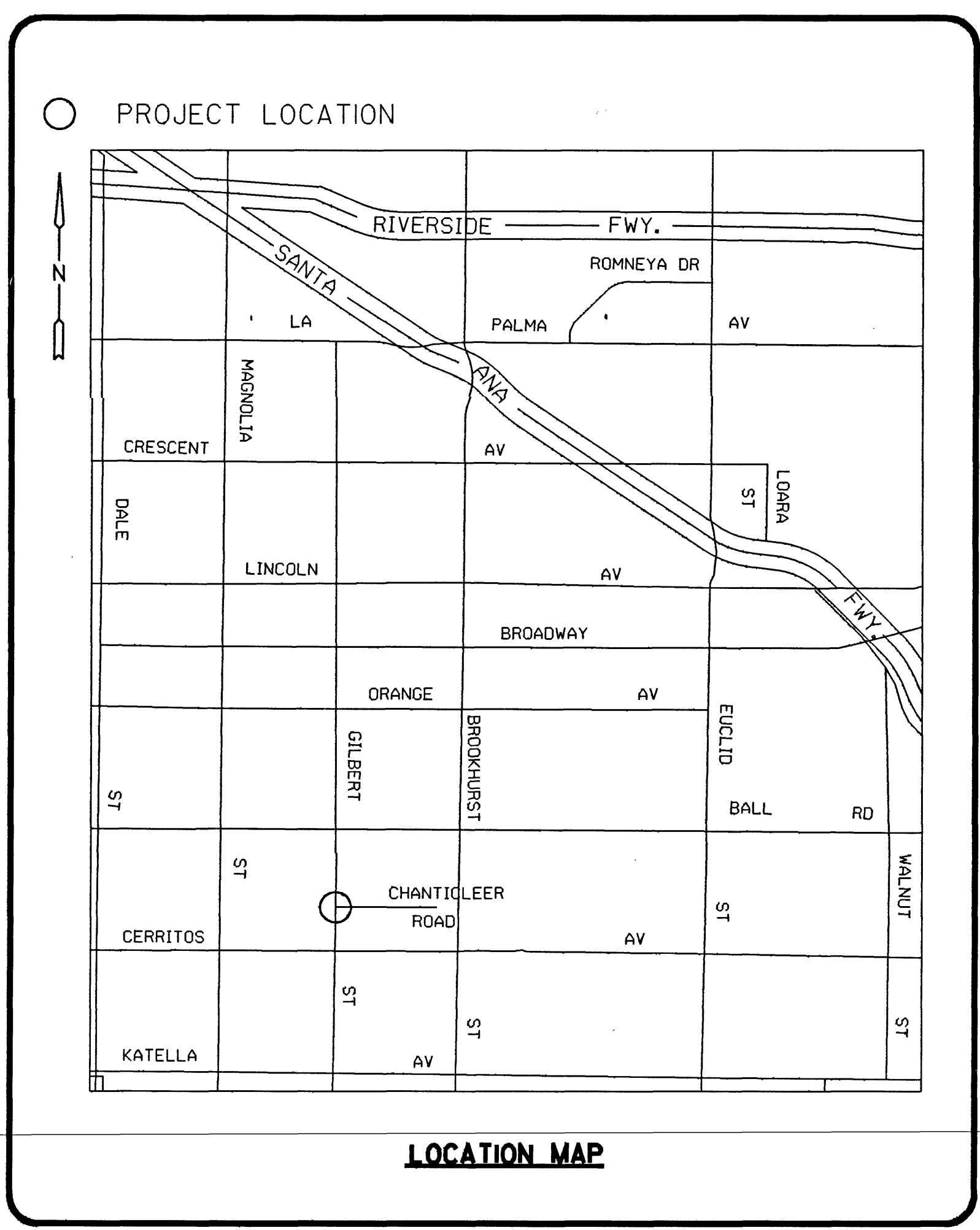
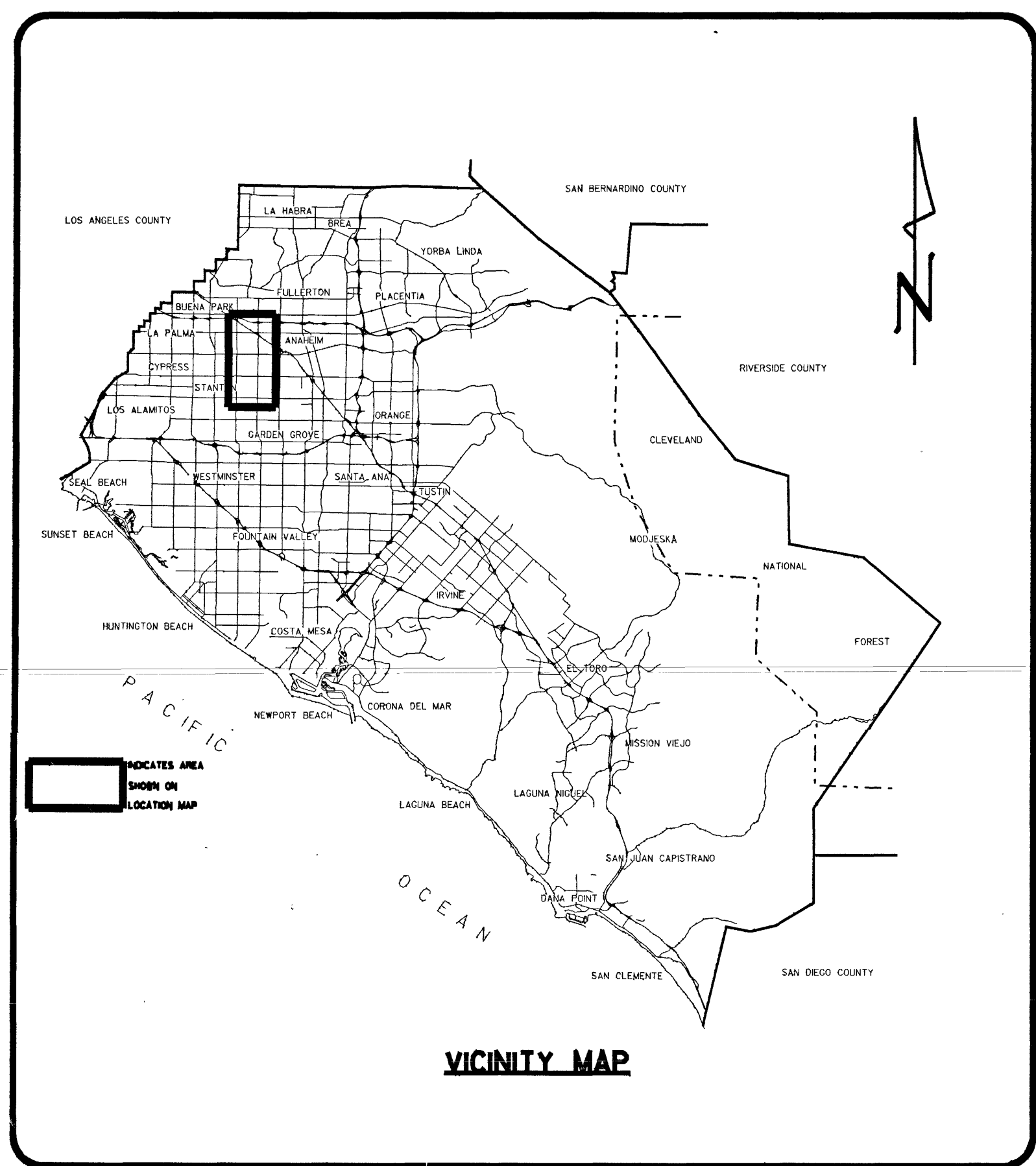


DRAWING NUMBER
ST ST @
LEER RD
JAN • IRVINE, CALIFORNIA
PLAN NUMBER 075AR
PREVIOUS EDITIONS OF THIS PLAN

DRAWING NUMBER
C225.1
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECEIVED BY NUMBER 075AR
PREVIOUS EDITIONS OF THIS PLAN

DRAWING NUMBER
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECEIVED BY NUMBER 075AR
PREVIOUS EDITIONS OF THIS PLAN

DRAWING NUMBER
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECEIVED BY NUMBER 075AR
PREVIOUS EDITIONS OF THIS PLAN



ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY

SANTA ANA, CALIFORNIA
M. RUANE, DIRECTOR

PLANS FOR CONSTRUCTION OF
TRAFFIC SIGNAL
AT

GILBERT STREET @ CHANTICLEER ROAD

AUG, 1990

FUNDED BY: ORANGE COUNTY DEVELOPEMENT AGENCY

CITY OF ANAHEIM

CHECKED BY: LOPEZ 15 AUG 90
DATE

RECOMMENDED: [Signature] 8-15-90
TRAFFIC ENGINEER DATE

APPROVED: [Signature] 8-16-90
CITY ENGINEER DATE

EMA - TRANSPORTATION

SUBMITTED: [Signature] 8/15/90
TRAFFIC ENGINEER L. G. OCHOA
RCE 3524 (12-31-90) DATE
RTE 1183 (12-31-90)

RECOMMENDED: [Signature] 8/15/90
PROGRAM MANAGER STEVE M. HOGAN DATE

APPROVED: [Signature] 9/5/90
DIRECTOR OF TRANSPORTATION KEN R. SMITH DATE

1. SUPRV. INSPECTOR: DAVE GOYA
2. INSPECTOR: JOHN DELSIGNE
3. CONTRACTOR: D & V ELECTRIC
4. TURN ON DATE: 4/15/91

INDEX OF SHEETS	
SHEET	DESCRIPTION
1.	TITLE SHEET.
2.	GILBERT STREET @ CHANTICLEER ROAD SIGNAL PLAN.
3.	DETAIL SHEET.

UTILITY OWNER	PHONE NO.	CONTACT
SO CALIFORNIA GAS COMPANY	JOE MORENO	(714) 634-3115
SO CALIFORNIA EDISON CO	PLANNING MGR	(714) 973-5628
PACIFIC BELL	JACK STEWART	(714) 666-5657
CITY OF ANAHEIM SEWER DEPT	JASWINDER DHANDA	(714) 999-5100 Ext. 5824
CITY OF ANAHEIM WATER DEPT	THOM COUGHRAN	(714) 999-5100 Ext. 5503
GARDEN GROVE SANITARY DIST.	RON CATES	(714) 534-3943
CITY OF ANAHEIM ELEC DEPT	ROBERT RUGH	(714) 999-5100 Ext. 5471
USA		1-800-422-4133

BENCH MARK:

BASIS OF BEARINGS:

NO.	DESCRIPTION	SHT.	APPROVED	DATE
R E V I S I O N S				

W. O. NO. D89256

SHEET 1 OF 3

DRAWING NUMBER
LIBERT ST @
LEER RD
ACTION • IRVINE, CALIFORNIA
JULY 1990

DRAWING NUMBER
C225.2
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECEIVED BY NUMBER 07/25/90

DRAWING NUMBER
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECEIVED BY NUMBER 07/25/90

DRAWING NUMBER
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECEIVED BY NUMBER 07/25/90

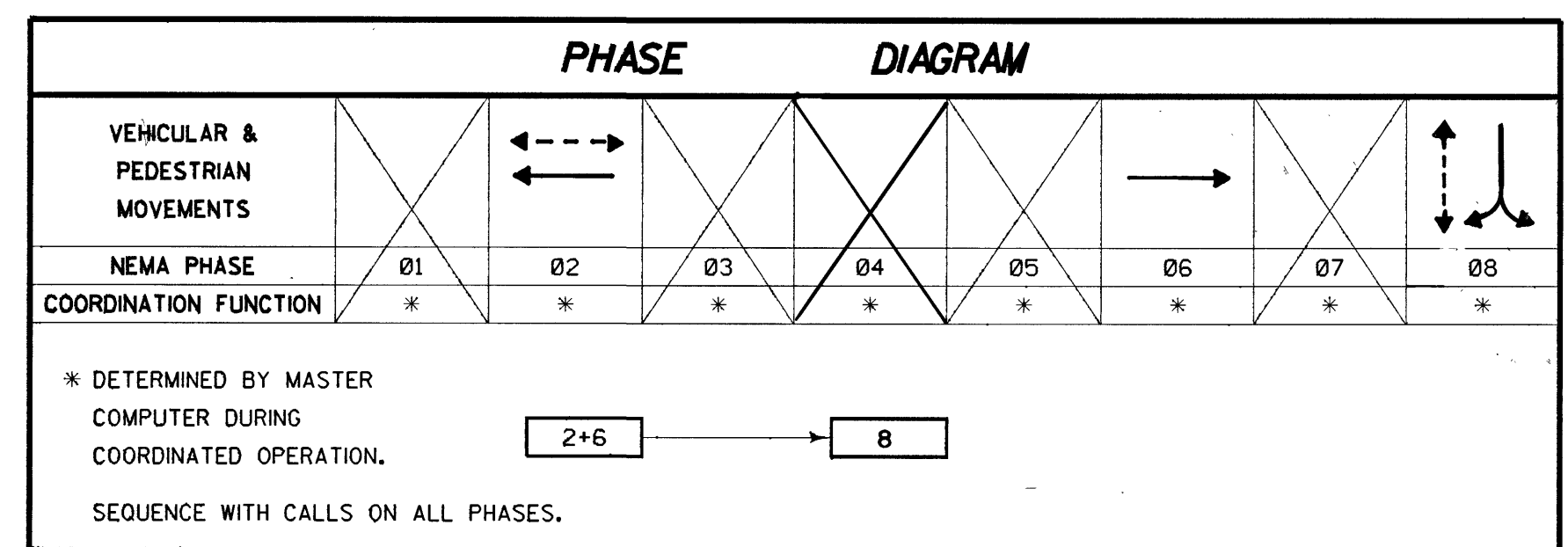
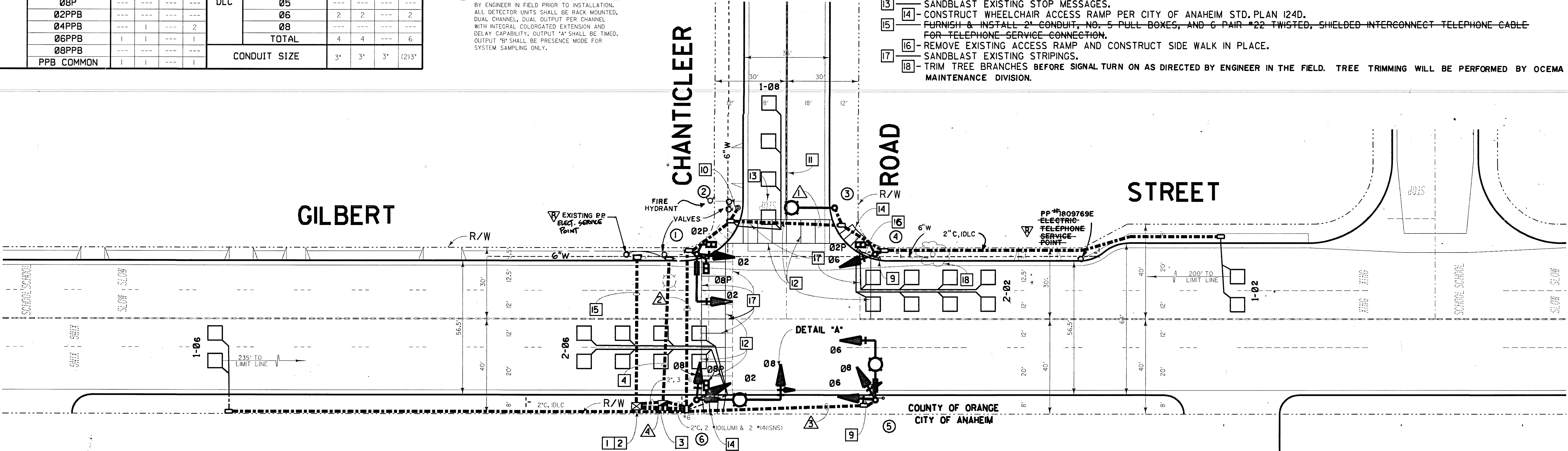
CONDUCTOR SCHEDULE						CONDUCTOR SCHEDULE					
AWG	CIRCUIT	RUN				AWG	CIRCUIT	RUN			
		1	2	3	4			1	2	3	4
# 14	01	---	---	---	---	# 14	ISNS	---	2	2	---
	02	3	3	3	6		SPARES	5	5	5	5
	04	---	---	3	3		TOTAL	12	20	13	27
	05	---	---	---	---		SIGNAL COMMON	1	1	1	1
	06	---	3	---	3	# 10	LUMINAIRE	2	2	2	---
	08	---	---	---	---		TOTAL	3	3	3	1
	02P	---	---	---	---		01	---	---	---	---
	04P	---	2	---	4		02	---	---	---	2
	06P	2	2	---	2	DLC	04	2	2	---	2
	08P	---	---	---	---		05	---	---	---	---
	02PPB	---	---	---	---		06	2	2	---	2
	04PPB	---	1	---	2		08	---	---	---	---
	06PPB	1	1	---	1		TOTAL	4	4	---	6
	08PPB	---	---	---	---		CONDUIT SIZE	3"	3"	3"	(2)3"
	PPB COMMON	1	1	---	1						

INDUCTIVE LOOP DETECTOR SCHEDULE			
SENSOR UNIT	CHANNEL	DETECTOR	
# 1	1	1-02	
	2	2-02	
# 2	1	1-06	
	2	2-06	
# 3	1	1-08	
	2	2-08	

DETECTOR LOOP LOCATIONS SHALL BE APPROVED BY ENGINEER IN FIELD PRIOR TO INSTALLATION. ALL DETECTOR UNITS SHALL BE RACK MOUNTED, DUAL CHANNEL, DUAL OUTPUT PER CHANNEL WITH INTEGRAL COLOREGATED EXTENSION AND DELAY CAPABILITY. OUTPUT "A" SHALL BE TIMED. OUTPUT "B" SHALL BE PRESENCE MODE FOR SYSTEM SAMPLING ONLY.

CONSTRUCTION NOTES:

- CONSTRUCT P.C. CONCRETE TYPE 337 CONTROLLER CABINET FOUNDATION.
- FURNISH & INSTALL TYPE T-170 TRAFFIC CONTROLLER IN TYPE 337 ALUMINUM CABINET, PER THIS PLAN AND THE SPECIAL PROVISIONS.
- FURNISH & INSTALL TYPE III BF SERVICE 120/240V 10 3 W, W/50 AMP MAIN PEDESTAL TO CONFORM TO CITY OF ANAHEIM E.J.S. E.R.C. PAGE NO. 308 FIG 4. CONTACT THE UTILITY INSPECTOR AT (714) 999-5156 TO COORDINATE SERVICE.
- FURNISH & INSTALL 2" CONDUIT, NO. 6 PULL BOXES, AND CONDUCTOR FOR ELECTRICAL SERVICE CONNECTION.
- ALL CONDUIT SHALL BE 2" UNLESS SHOWN OTHERWISE.
- ALL PULLBOXES SHALL BE #5 UNLESS SHOWN OTHERWISE.
- INDUCTIVE LOOPS SHALL BE 6' X 6' CENTERED IN DIRECTION OF TRAVEL UNLESS SHOWN OTHERWISE.
- ALL LOOP HOMERUNS SHALL BE IN CROSSWALK.
- FURNISH & INSTALL PEDESTRIAN BARRICADE WITH R96 & R96A PER CALTRANS STD. PLAN ES-6A.
- REMOVE & SALVAGE THE EXISTING RI SIGN AND POST.
- PAINT 4" SOLID DOUBLE YELLOW 200' FROM LIMIT LINE.
- PAINT 12" SOLID YELLOW PER OCEMA STD. PLAN 1416.
- SANDBLAST EXISTING STOP MESSAGES.
- CONSTRUCT WHEELCHAIR ACCESS RAMP PER CITY OF ANAHEIM STD. PLAN 124D.
- FURNISH & INSTALL 2" CONDUIT, NO. 5 PULL BOXES, AND 6 PAIR #22 TWISTED, SHIELDED INTERCONNECT TELEPHONE CABLE FOR TELEPHONE SERVICE CONNECTION.
- REMOVE EXISTING ACCESS RAMP AND CONSTRUCT SIDE WALK IN PLACE.
- SANDBLAST EXISTING STRIPINGS.
- TRIM TREE BRANCHES BEFORE SIGNAL TURN ON AS DIRECTED BY ENGINEER IN THE FIELD. TREE TRIMMING WILL BE PERFORMED BY OCEMA MAINTENANCE DIVISION.



DR. JONAS E. SALK ELEMENTARY SCHOOL

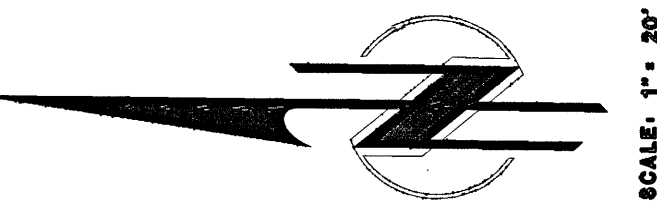
GENERAL NOTES:

- ALL WORKS SHALL CONFORM TO THE CITY OF ANAHEIM SPECIFICATIONS, UNLESS OTHERWISE INDICATED.
- THE ENGINEER SHALL APPROVE THE POLE AND DETECTOR LOCATIONS PRIOR TO INSTALLATION BY THE CONTRACTOR.
- LOOP DETECTORS SHALL BE INSTALLED PER ANAHEIM CITY STANDARD 410.
- ALL PULLBOXES SHALL BE #5 UNLESS SHOWN OTHERWISE.
- ALL NEW PEDESTRIAN SIGNALS SHALL BE TYPE B SOLID-STATE WITH INTERNATIONAL SYMBOLS.
- ALL NEW VEHICLE INDICATIONS SHALL BE 12".
- ALL CONDUIT SIZES SHALL BE AS FOLLOWS, UNLESS OTHERWISE INDICATED:
1-1/2" FROM 1A POLE TO PB
2" FROM OTHER POLE TO PB
2-1/2" FOR ALL OTHERS
- CONTRACTOR SHALL NOTIFY ALL UTILITIES AT LEAST THREE WEEKS PRIOR TO BEGINNING WORK, AS FOLLOWS:
USA 1-800-422-4133.

POLE SCHEDULE											
POLE DATA			SIGNAL M.A.		SIGNAL MOUNTING		PED PUSH BUTTON		FOUNDATION		ISNS TYPE "A" (DOUBLE FACE)
NO.	TYPE	HEIGHT	M.A.	WATTS	VEH.	M.A.	PED.	PHASE POLE QUAD	TYPE	SIZE	
1	17-2-80	17'	20'	---	SV-I-T	MAS	SP-2-CS	08	S	2'-6"x7'-0"	Chanticleer
2	PPB	3'-10"	---	---	---	---	---	02	W	1'-6"x1'-6"	---
3	15	30'	---	15'	---	---	---	02	W	2'-6"x5'-0"	---
4	1-A	10'	---	---	TV-I-T	---	SP-I-CS	02	E	2'-0"x3'-0"	---
5	19-2-80	30'	25'	15'	SV-2-T	MAS	---	---	C	2'-6"x7'-0"	Chanticleer
6	24-3-80	30'	35'	200	SV-I-T	MAS	SP-I-CS	08	S	3'-0"x8'-0"	Gilbert

EXACT POLE LOCATIONS BY ENGINEER IN THE FIELD.
POTHOLE MAST ARM POLE FOUNDATION LOCATIONS.
PRIOR TO ORDERING POLES.

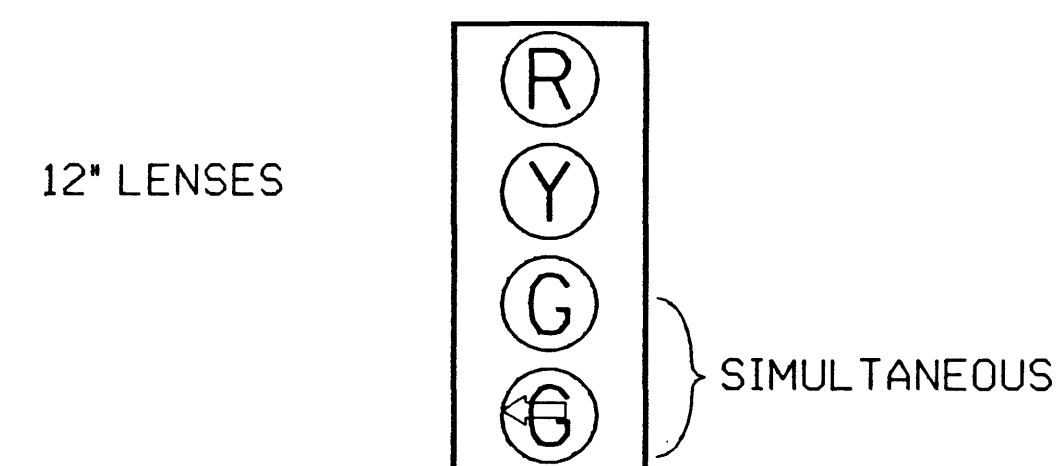
C = C.J.D.H. S = SQUARE. □ = SINGLE FACE.



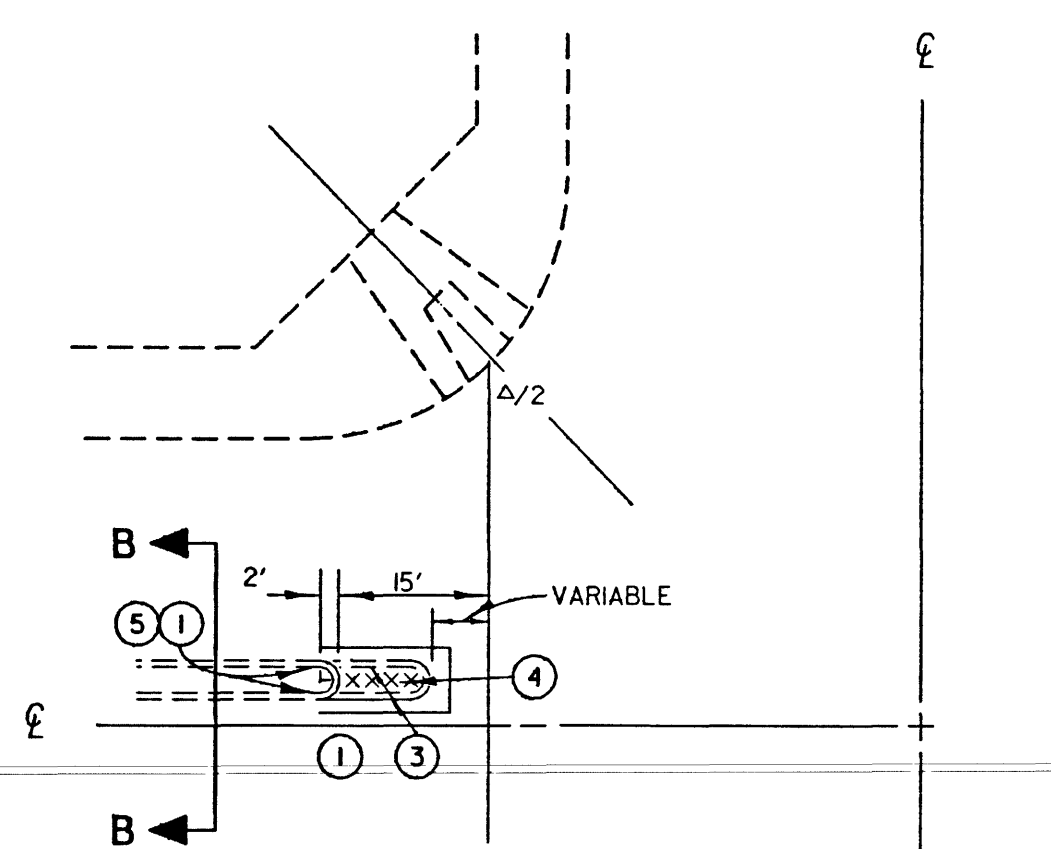
1 1/2 0 1 2
3 inches on original drawing

10/92	RECORD DRAWING	ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY	
		GILBERT STREET AT CHANTICLEER ROAD	
		SIGNATURE: [Signature] DATE: 8-23-92	
MARK	DATE	DESCRIPTION	PREPARED UNDER SUPERVISION OF: [Signature] DATE: 8-23-92
REVISIONS			
DESIGNED	DATE	W.O. NO.	SHEET 2
DRAWN	DATE	W.O. NO.	OF 3
CHECKED	DATE	W.O. NO.	

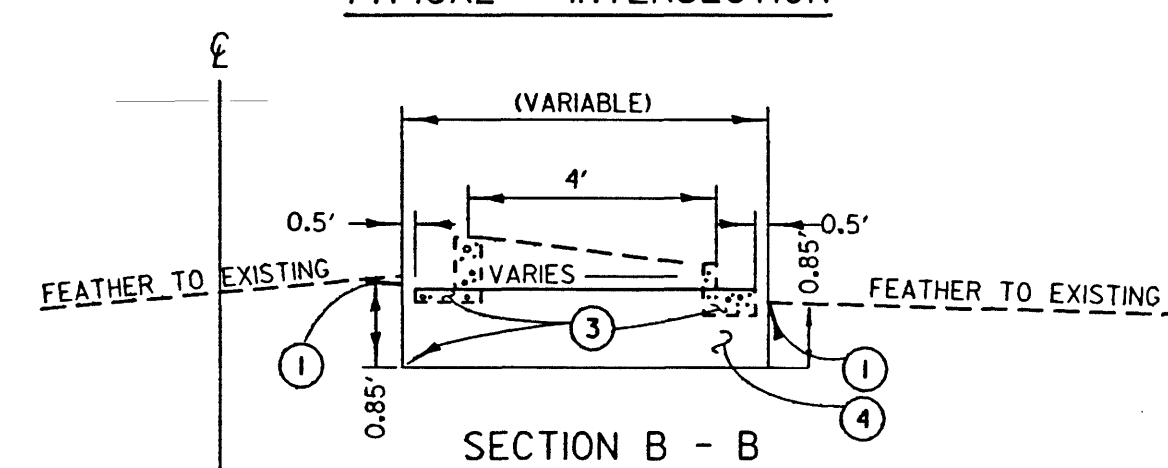
DETAIL A
4-SECTION SIGNAL HEAD



DETAIL B
INTERSECTIONS RAISED MEDIAN



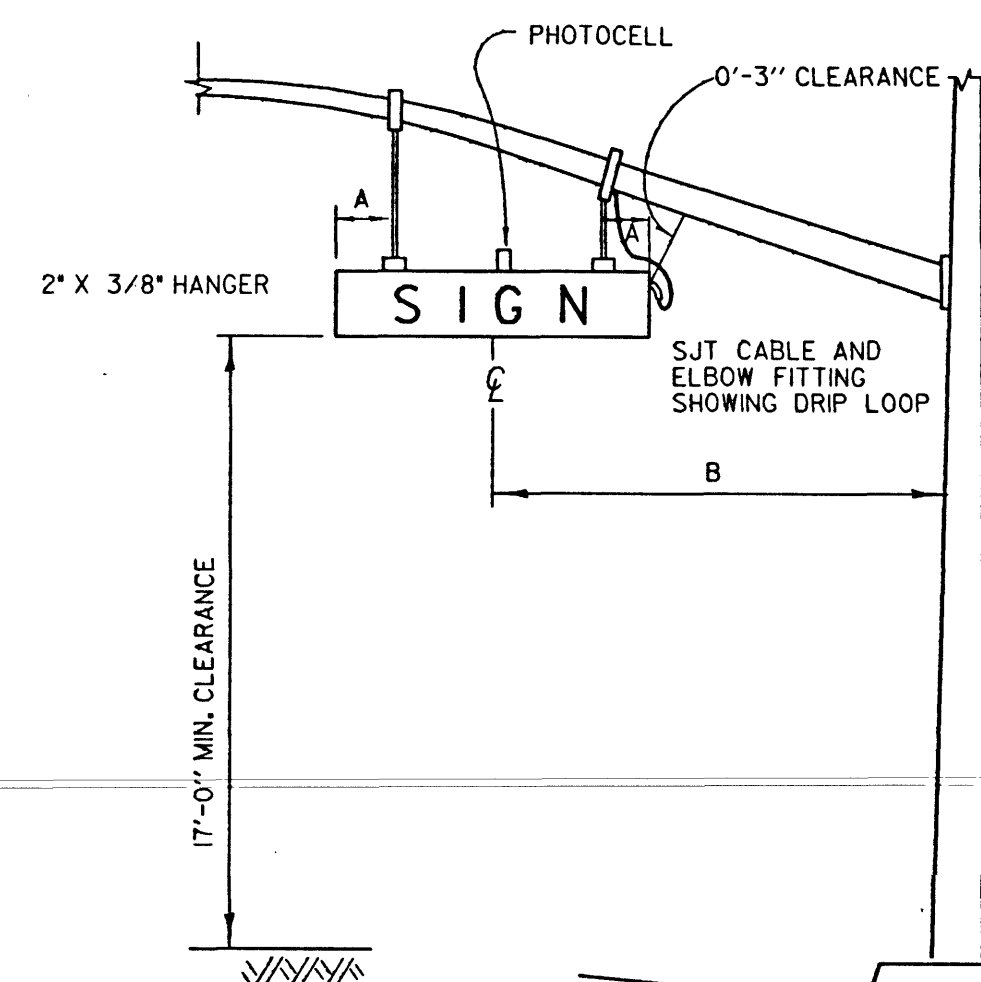
TYPICAL INTERSECTION



CONSTRUCTION NOTES - DETAILS A & B

1. SAWCUT AND JOIN EXISTING
2. CONSTRUCT SIDEWALK ACCESS RAMP
3. REMOVE CONCRETE
4. CONSTRUCT 0.85' AC OVER NATIVE SOIL
5. CONSTRUCT TYPE CI-8 CONCRETE CURB PER APWA STD. 104-0

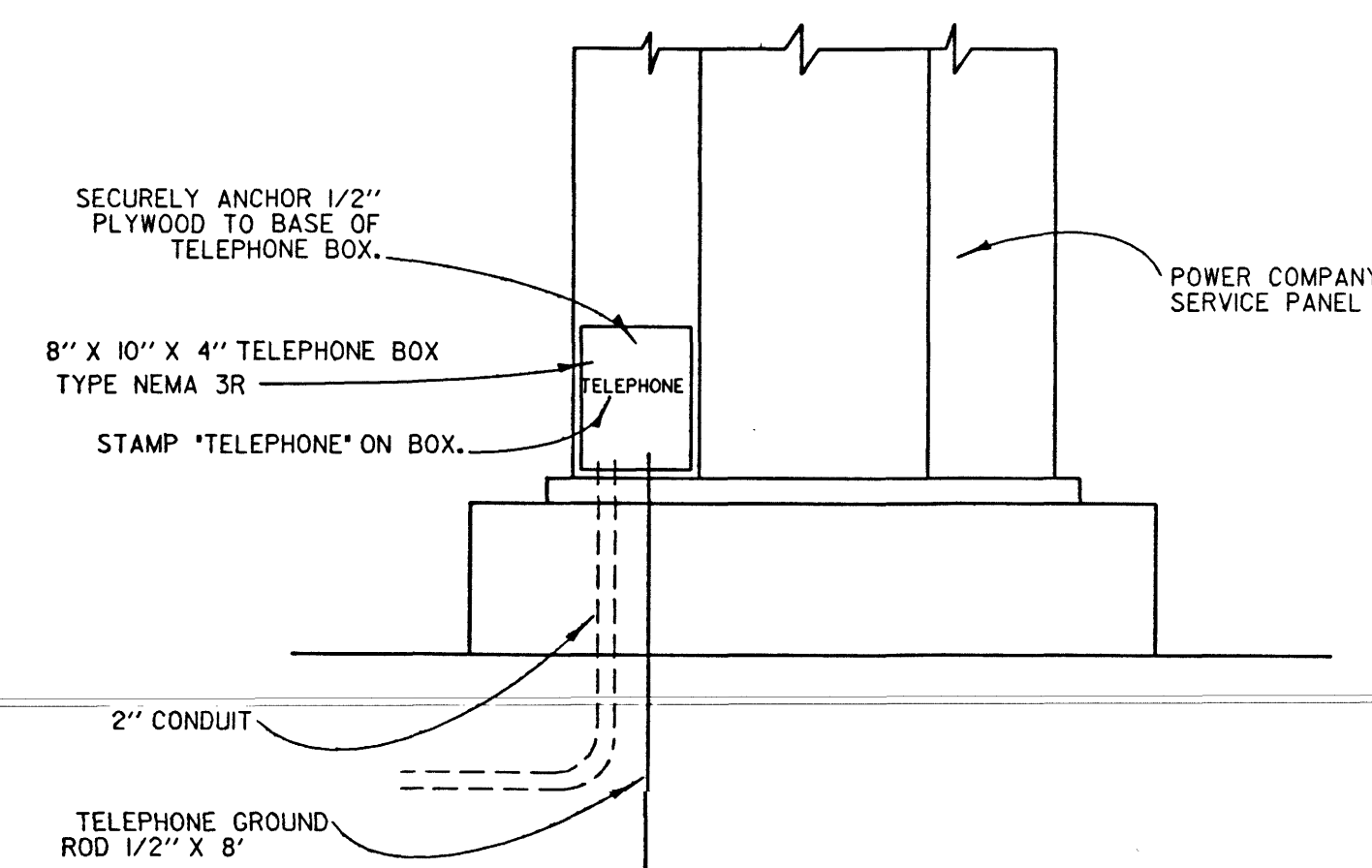
DETAIL C
STREET NAME SIGN COMPONENTS



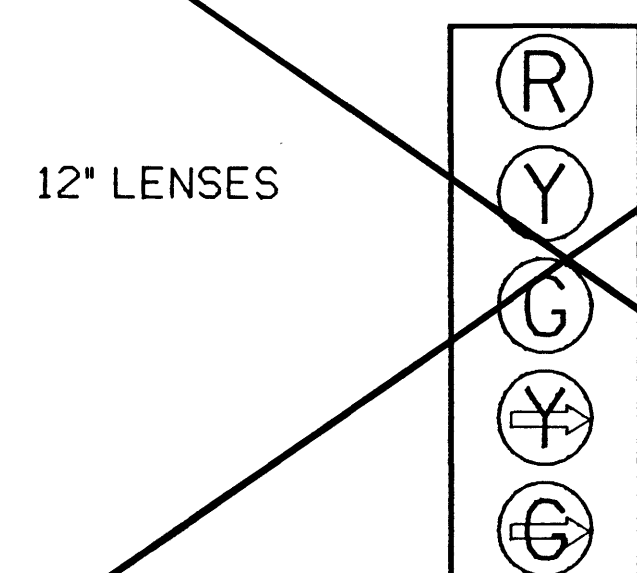
NOTES - DETAIL C

- A 1'-6\"
- B 10'-6\"

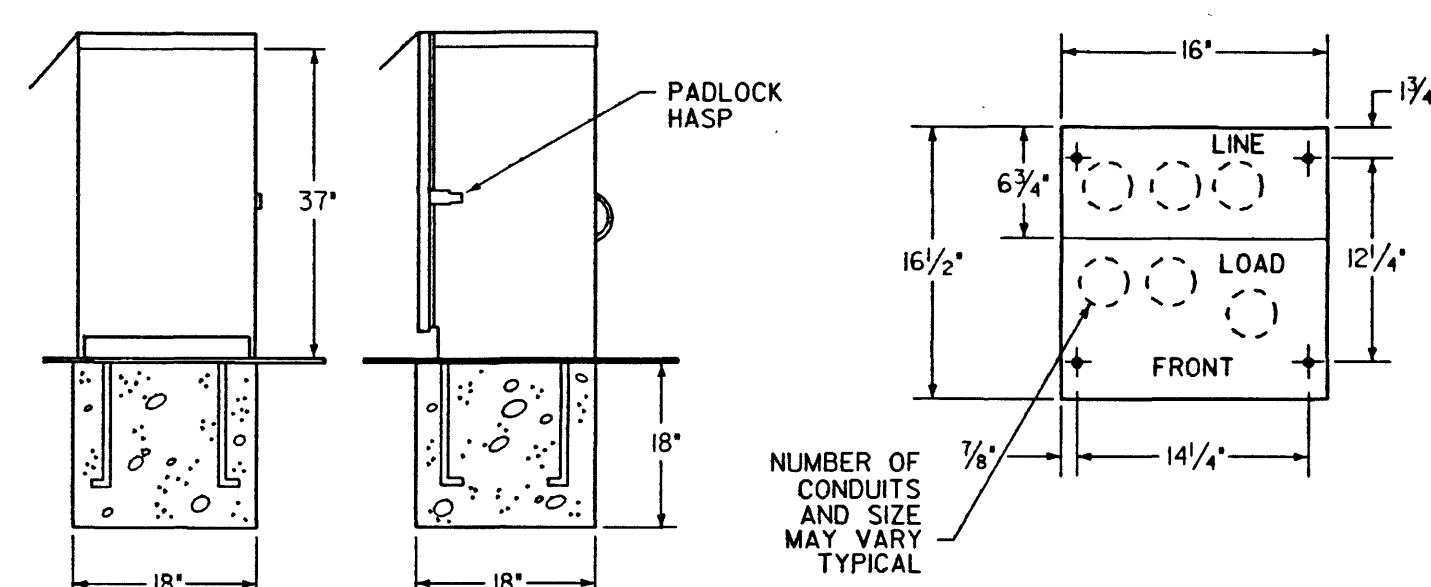
DETAIL D
TELEPHONE SERVICE BOX



DETAIL E
5-SECTION SIGNAL HEAD

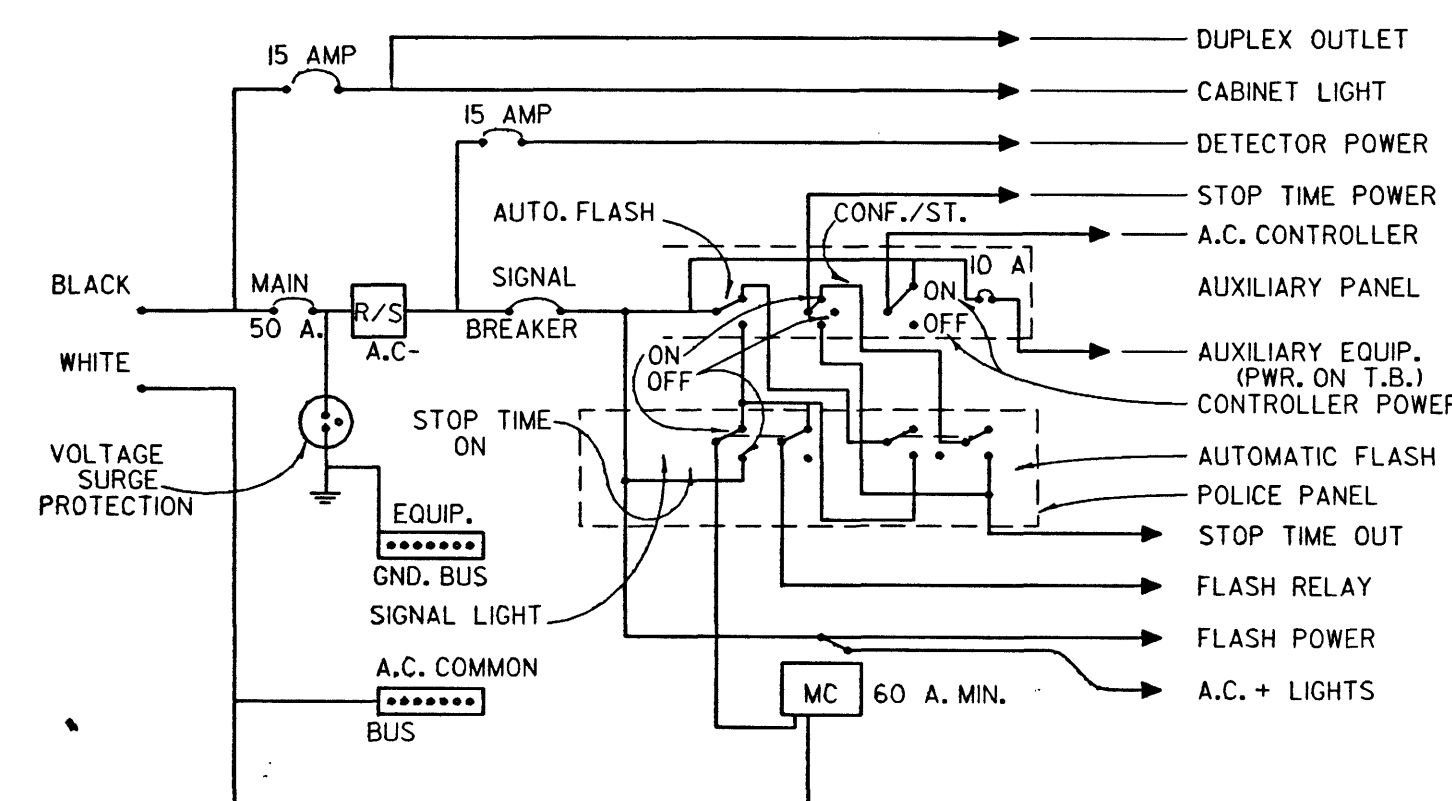


DETAIL F
INTERCONNECT SPLICE CABINET

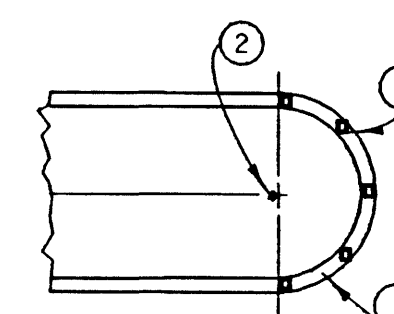


1. FOUNDATION TO BE 18\"
2. ENCLOSURE SHALL BE FURNISHED WITH A DETACHABLE MOUNTING BASE.
3. ALL FACTORY INSTALLED COMPONENTS SHALL BE U.L. LISTED OR PER PUBLISHED N.E.C. STANDARDS.
4. A 3/4\"
5. ENCLOSURE FINISH SHALL CONFORM TO A.S.T.M. B-117. COLOR SHALL BE PORCELAIN WHITE.
6. PROVIDE 1 1/2\"

DETAIL G
CONTROLLER CABINET WIRING



DETAIL H
RAISED MEDIAN MARKING



NOTES - DETAIL H

1. PAINT MEDIAN NOSE WITH HIGHLY REFLECTIVE PREMIXED WHITE TRAFFIC PAINT WITH GLASS BEADS.
2. INSTALL FLEXIBLE VERTICAL TYPE K MARKER, R7, R10 OR TYPE N-10N TELESAR POST AS INDICATED ON PLAN.
3. INSTALL YELLOW REFLECTIVE PAVEMENT MARKERS ON TOP SURFACE OF MEDIAN CURB NOSE AT 2' C.C. SPACING (MINIMUM 5 MARKERS). PLACE REFLECTIVE SURFACE OF MARKERS PARALLEL TO C OF ROADWAY.

GENERAL NOTES : Δ

1. ALL WORK, MATERIALS AND EQUIPMENT SHALL CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA, DEPT. OF TRANSPORTATION, STANDARD PLANS AND STANDARD SPECIFICATIONS DATED JAN. 1988 AND THE SPECIAL PROVISIONS FOR THIS PROJECT.
2. CONDUCTOR SCHEDULE IS FURNISHED AS AN INSTALLATION GUIDE ONLY, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
3. UTILITIES SHOWN ON THESE PLANS ARE CORRECT AND ACCURATE TO THE EXTENT OF AVAILABLE RECORDS AND KNOWLEDGE. THE CONTRACTOR, HOWEVER, IS REQUIRED TO ASCERTAIN THE EXACT LOCATION OF UNDERGROUND FACILITIES PRIOR TO DOING WORK THAT MAY DAMAGE SUCH FACILITIES OR INTERFERE WITH THEIR SERVICE.
4. 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT ORANGE COUNTY E.M.A. FOR INSPECTION AT 567-7800.
5. THE ENGINEER SHALL APPROVE CONTROLLER, POLE, PULLBOX AND LOOP DETECTION IN THE FIELD PRIOR TO INSTALLATION.
6. ALL CONDUIT SHALL BE 2\"
7. ALL PULL BOXES SHALL BE #5 UNLESS OTHERWISE NOTED.
8. ALL SALVAGED EQUIPMENT SHALL BE DELIVERED BY CONTRACTOR TO ORANGE COUNTY YARD AT 152 EAST FRUIT ST, SANTA ANA, CA. CONTRACTOR SHALL GIVE A 48-HOUR NOTICE TO THE COUNTY PRIOR TO THE DELIVERY DATE.
9. CONTRACTOR SHALL PROVIDE ALL NECESSARY TELEPHONE AND ELECTRICAL SERVICE LINES AND INTERCONNECT HOOK-UPS BETWEEN THE LOCAL CONTROLLER AND THE SYSTEM MASTER.
10. PEDESTRIAN INDICATION SHALL BE INTERNATIONAL SYMBOL.
11. PEDESTRIAN PUSH BUTTON SHALL BE TYPE B WITH INTERNATIONAL SYMBOL PLATE.
12. ALL VEHICLE INDICATIONS SHALL BE 12\"
13. CONTRACTOR SHALL POT HOLE CONFLICTING UTILITIES AS DIRECTED BY ENGINEER.
14. PRIOR TO ORDERING POLES, CONTRACTOR SHALL AVOID DAMAGING EXISTING UTILITIES (SEE SPECIAL PROVISIONS).
15. INDUCTIVE LOOPS SHALL BE 6' X 6' WITH 10' SPACING IN THE DIRECTION OF TRAVEL UNLESS OTHERWISE NOTED.
16. ALL DETECTOR CABLE HOMERUNS SHALL BE IN THE CROSSWALK AREA.
17. ALL ADVANCE DETECTOR LOOPS SHALL BE DOUBLE TURN (2-4-2).

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

3-29-88 4-4-88 12-8-88 ADDED NOTE 17. DELETED TYPE 11 SERVICE. ADDED INTERCONNECT SPLICE CABINET. MODIFIED INTERCONNECT SPLICE CABINET.		ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY	
DETAIL SHEET		PREPARED UNDER SUPERVISION OF <i>[Signature]</i> DATE 12-8-88	
DESIGNED E. BASUBAS DRAWN M. NGUYEN		SCALE AS SHOWN DATE AUG. '90 W. O. NO. 089256	
CHECKED L. NATSUHARA		SHEET 3 OF 3	