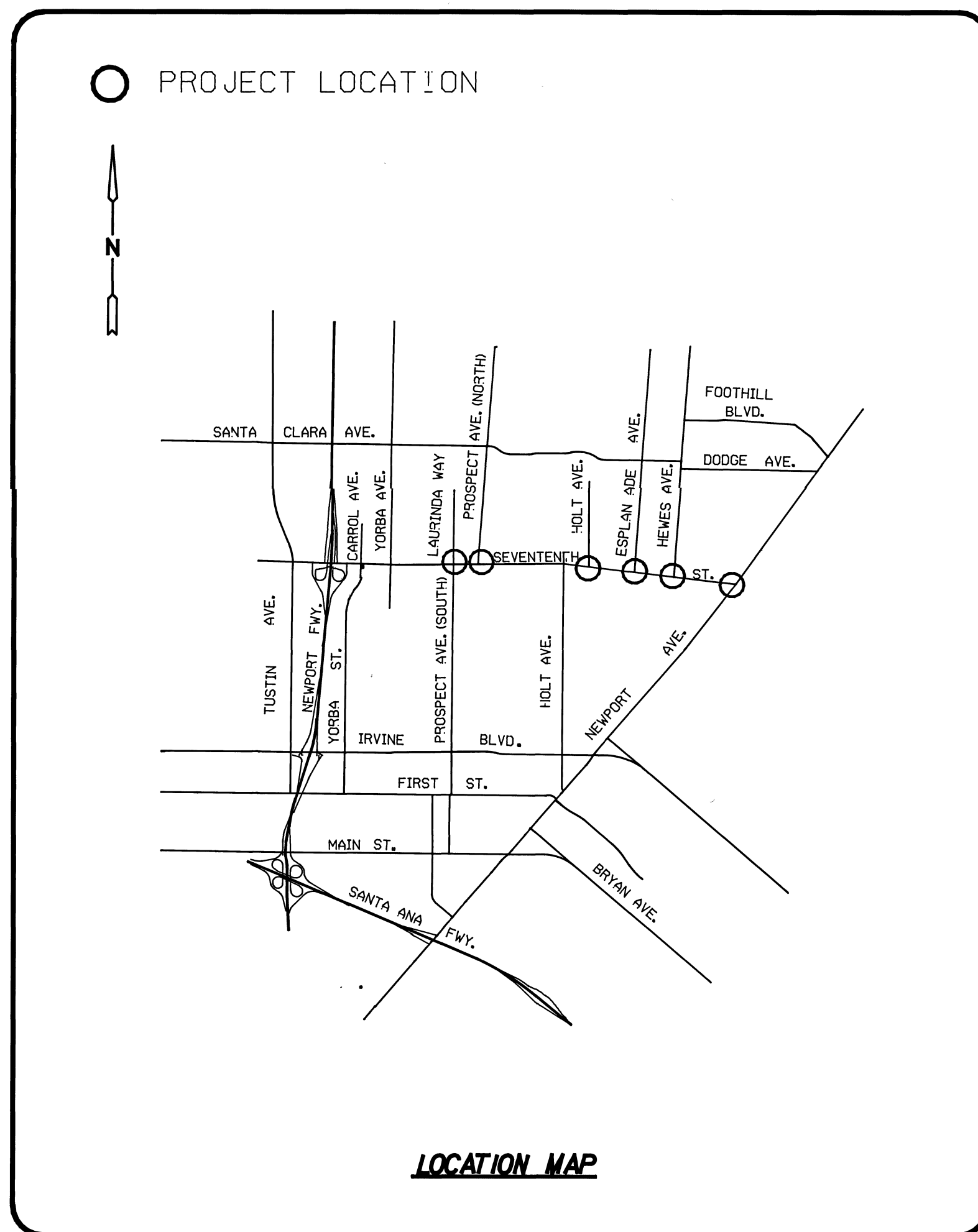
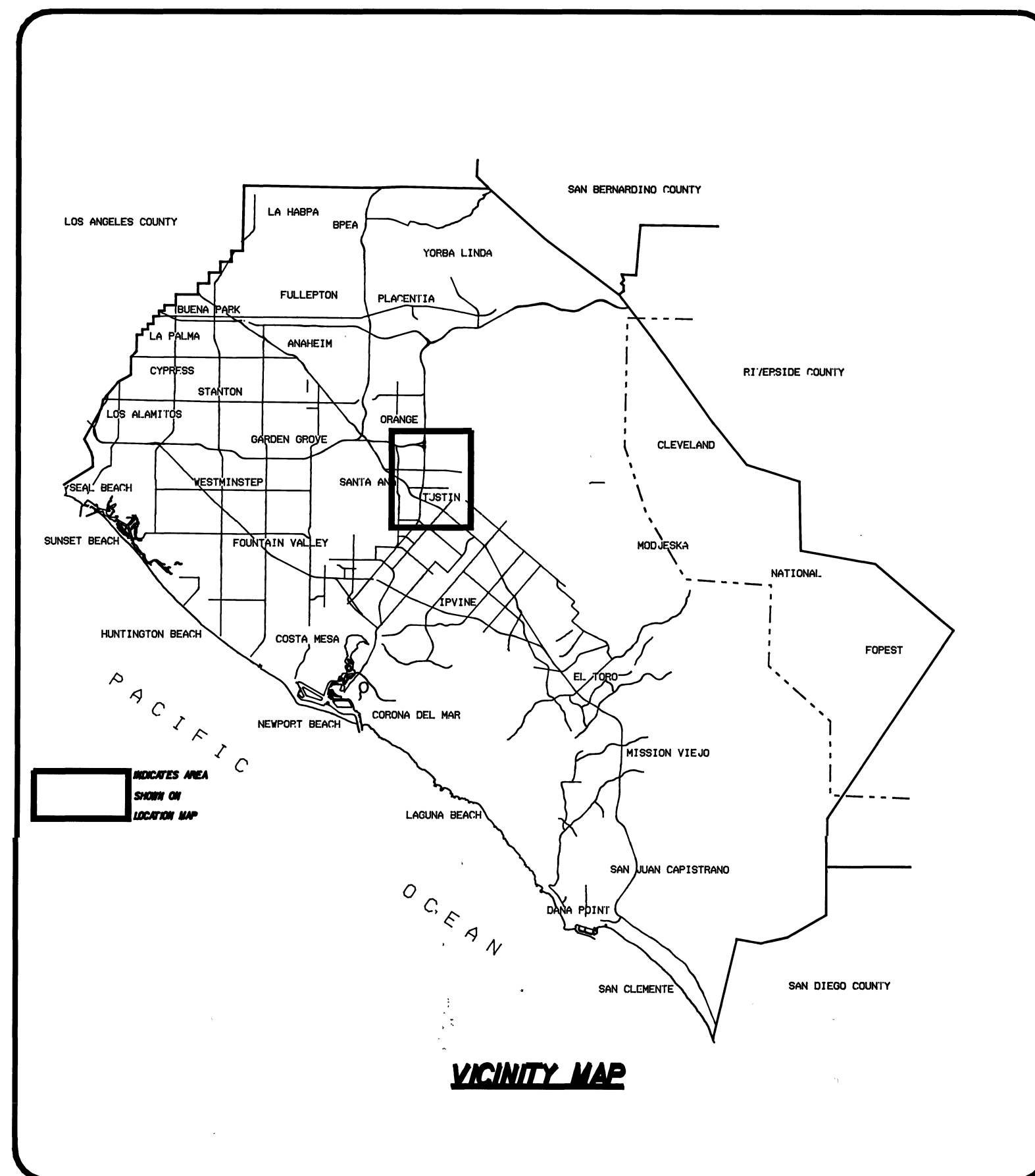




ORANGE COUNTY
ENVIRONMENTAL MANAGEMENT AGENCY

SANTA ANA, CALIFORNIA
M. STORM, DIRECTOR

PLANS FOR MODIFICATION OF
TRAFFIC SIGNAL CONTROL EQUIPMENT
ON
SEVENTEENTH STREET
AT
THE FOLLOWING LOCATIONS

- A. PROSPECT AVE. (SOUTH)/LAURINDA WAY
- B. PROSPECT AVE. (NORTH)
- C. HOLT AVE.
- D. ESPLANADE AVE.
- E. HEWES AVE.
- F. NEWPORT AVE.

DECEMBER, 1986

FUNDED BY: ROAD FUNDS/OCUTT (ORANGE COUNTY UNIFIED TRANSPORTATION TRUST)

E M A - P U B L I C W O R K S

SUBMITTED: *Steven T. Hogan*
TRAFFIC ENGINEER
S.M. HOGAN

RECOMMENDED: *K.R. Smith*
PROGRAM MANAGER
K.R. SMITH

APPROVED: *C.R. Nelson*
DIRECTOR OF PUBLIC WORKS
C.R. NELSON

DATE 12/11/06

DATE 12/11/06

DATE 12-12-06

SILVER M.
HOGAN
No. 29268
Exp. 12/11/06

RTE 133
RTE 133
RTE 133

SMITH
No. 22438
Exp. 12-11-06

<u>INDEX OF SHEETS</u>	
SHEET	DESCRIPTION
1.	TITLE SHEET
2-7.	TRAFFIC SIGNAL PLAN - (LOC "A"-F")
8.	DETAIL SHEET

UTILITY OWNER	PHONE NO.
SO.CAL.GAS CO.	634-3122
SO.CAL.EDISON CO.	973-54
PACIFIC BELL	966-6198
CITY OF TUSTIN WATER DEPT.	544-8890
TENCO SERVICES	(213) 921-2271
USA	538-5227
DON JONES	1-800-422-4133
ARCHIE BERRY	
DENISE RUBY	
EARL ROWENHORST	
JERALD GOEHRING	
SAW ASHMORE	

<u>BENCH MARK:</u>	<u>BASIS OF BEARINGS:</u>
---------------------------	----------------------------------

NO.	DESCRIPTION	SHT.	APPROVED	DATE

REVISIONS

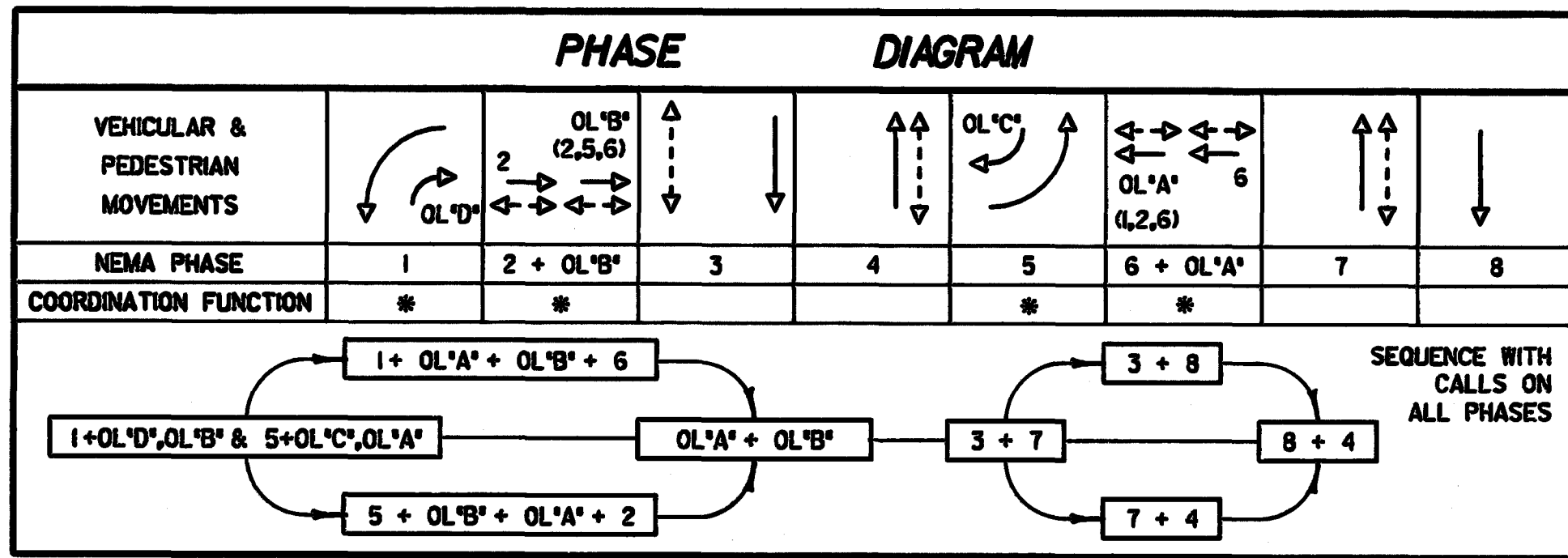
W.O.NO. R25450 SHEET 1 OF 8
 DWG.NO. _____

DRAWING NUMBER
S240.7

DRAWING NUMBER
S240.7

DRAWING NUMBER
S240.7

DRAWING NUMBER
S240.7



LOCATION "A" - 17th AT PROSPECT / LAURINDA

WITH CONTROLLER TERMINATING PHASE 02 FOR 01 NEXT, CONTROLLER SHALL ALSO TERMINATE OVERLAP "A" FOR AN RED REVERT / ADJUSTABLE PERIOD OF 2-30 SECONDS MINIMUM. THE RED SHALL BE SEPARATE FROM ANY RED ON THE PHASE MODULE. FAILURE TO PERFORM THE OPERATION SHALL CAUSE THE FAILSAFE TO OPERATE THE INTERSECTION IN FLASH MODE.

SCALE: 1" = 20'

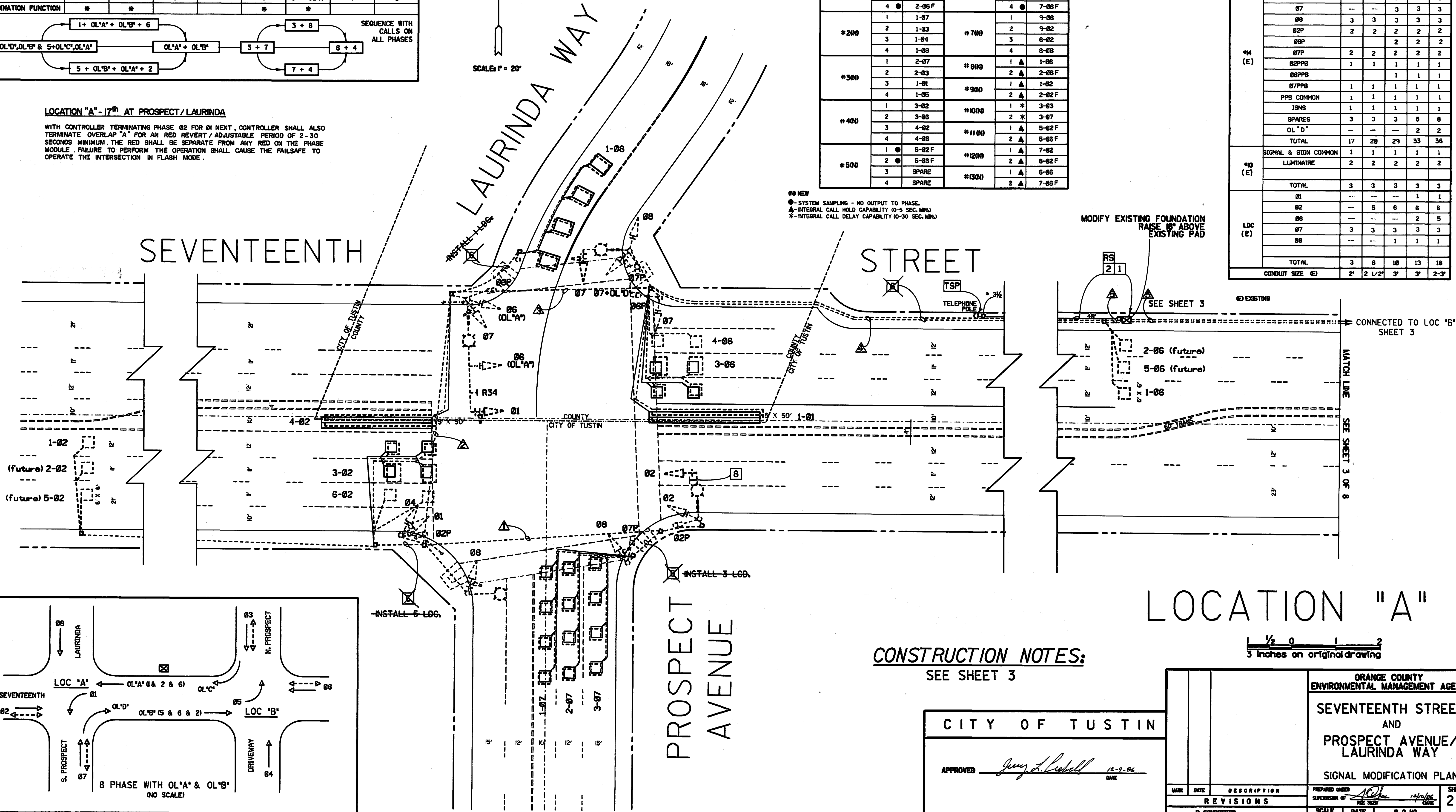


INDUCTIVE LOOP DETECTOR SCHEDULE

SENSOR UNIT	CHANNEL	DETECTOR	SENSOR UNIT	CHANNEL	DETECTOR
#100	1	1-02	#600	1	7-02
	2	2-02 F		2	8-02 F
	3	1-06		3	8-06
	4	2-06 F		4	7-06 F
#200	1	1-07	#700	1	9-06
	2	1-03		2	9-02
	3	1-04		3	6-02
	4	1-08		4	8-08
#300	1	2-07	#800	1	1-06
	2	2-03		2	2-06 F
	3	1-01		2	1-02
	4	1-05		2	2-02 F
#400	1	3-02	#1000	1	3-03
	2	3-06		2	3-07
	3	4-02		1	5-02 F
	4	4-06		2	5-06 F
#500	1	5-02 F	#1200	1	7-02
	2	5-06 F		2	8-02 F
	3	SPARE		1	6-06
	4	SPARE		2	7-06 F

NO NEW
● - SYSTEM SAMPLING - NO OUTPUT TO PHASE.
▲ - INTEGRAL CALL HOLD CAPABILITY (0-5 SEC. MIN.)
* - INTEGRAL CALL DELAY CAPABILITY (0-30 SEC. MIN.)

CONDUCTOR SCHEDULE						
AWG	CIRCUIT	RUN				
		△	△	△	△	△
#14 (E)	01	--	3	3	3	3
	02	3	3	3	3	3
	06 (OL'A')			3	3	3
	07	--	--	3	3	3
	08	3	3	3	3	3
	02P	2	2	2	2	2
	06P			2	2	2
	07P	2	2	2	2	2
	02PPB	1	1	1	1	1
	06PPB			1	1	1
	07PPB	1	1	1	1	1
	PPB COMMON	1	1	1	1	1
	ISNS	1	1	1	1	1
SPARES	3	3	3	5	8	
OL "D"	--	--	--	2	2	
TOTAL	17	20	29	33	36	
#10 (E)	SIGNAL & SIGN COMMON	1	1	1	1	1
	LUMINAIRE	2	2	2	2	2
LDC (E)	TOTAL	3	3	3	3	3
	01	--	--	--	1	1
	02	--	5	6	6	6
	06	--	--	--	2	5
	07	3	3	3	3	3
	08	--	--	1	1	1
TOTAL	3	8	10	13	16	
CONDUIT SIZE (E)		2"	2 1/2"	3"	3"	2-3"



CONSTRUCTION NOTES:
SEE SHEET 3

1/2 0 1 2
3 inches on original drawing

CITY OF TUSTIN

APPROVED Jimmy L. Lusk 12-9-06
DATE

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY

SEVENTEENTH STREET AND PROSPECT AVENUE / LAURINDA WAY

SIGNAL MODIFICATION PLAN

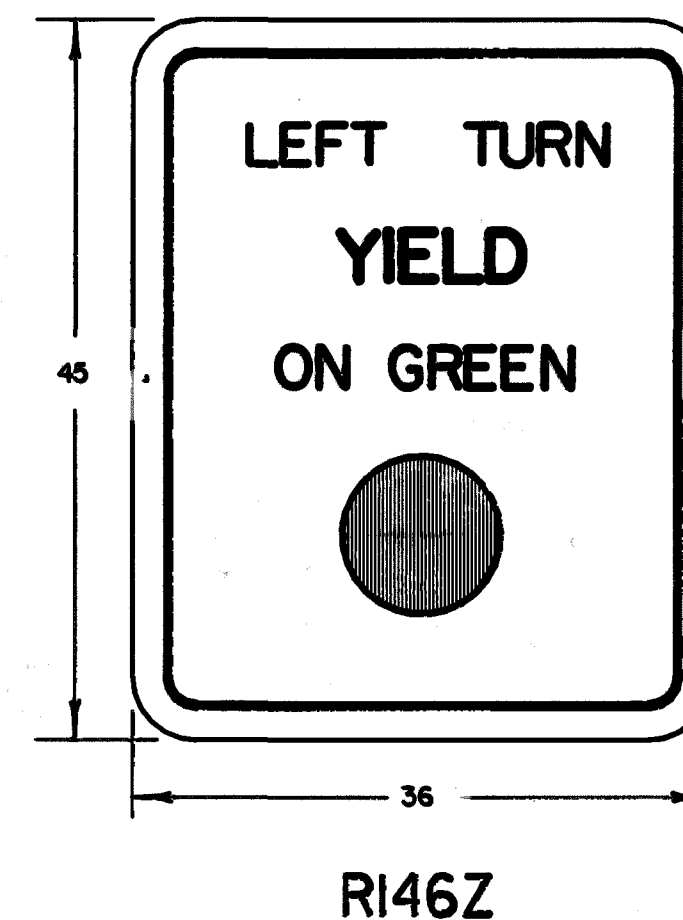
DATE	DESCRIPTION	PREPARED UNDER SUPERVISION OF	SCALE	DATE	W. O. NO.	SHEET
12-9-06	REVISIONS	R. SCHROEDER	AS SHOWN	12-9-06	R25450	2
12-9-06	REVISIONS	C. MANSFIELD	AS SHOWN	12-9-06	R25450	8

DRAWING NUMBER
S240.6
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
DESIGNED BY NUMBER 0204
CHECKED BY NUMBER 0204
REVIEWED BY NUMBER 0204
DATE 12-7-96

CONSTRUCTION NOTES:

- 1- AT LOCATIONS 'A', 'B', 'C', 'D', 'E' AND 'F' REMOVE AND SALVAGE EXISTING CONTROLLER AND CABINET, MODIFY EXISTING FOUNDATION PER DETAIL 'I'. FURNISH AND INSTALL A MULTISONICS 820 CONTROLLER OR EQUAL IN A ALUMINUM 'P' CABINET WITH DETECTION AND PHASING AS SHOWN.
- 2- AT LOCATIONS 'A', 'B', 'C', 'D', 'E' AND 'F' FURNISH AND INSTALL 2" CONDUIT, #3/2 PULL BOX AND PULL ROPE FROM TELEPHONE VAULT/PEDESTAL/POLE TO CONTROLLER CABINET TELEPHONE BOX. COORDINATE TELEPHONE HOOK UP FROM TELEPHONE VAULT/PEDESTAL/POLE TO CONTROLLER. INSTALL NEW 8"x10"x4" TELEPHONE SERVICE BOX PER DETAIL 'D' AND 'F' (SHEET 8 OF 8).
- 3- AT LOCATIONS 'A', 'B', 'C', 'D' AND 'E' INSTALL NEW LOOPS AND ABANDON EXISTING LOOPS. NEW LOOPS TO BE PLACED ARE SHOWN IN SOLID LINES AND EXISTING LOOPS ARE SHOWN AS DASHED LINES.
- 4- AT LOCATIONS 'C', 'D', 'E' AND 'F' INSTALL NEW LOOPS. NEW LOOPS TO BE PLACED ARE SHOWN IN SOLID LINES.
- 5- AT LOCATION 'F' REMOVE AND INSTALL NEW CONDUCTORS IN EXISTING CONDUITS.
- 7- AT LOCATIONS 'D', 'E', AND 'F' FURNISH AND INSTALL NEW SIGNAL POLES, MAST ARMS AND REMOVE AND RELOCATE SIGNAL HEADS WITH 12" LENSES AS SHOWN ON THE PLANS.
- 8- INSTALL COUNTY FURNISHED RI46Z SIGN DETAIL 'J'.
- 9- AT LOCATION 'F' REMOVE EXISTING CONCRETE CENTER MEDIAN AND REPLACE WITH DEEP LIFT ASPHALT CONCRETE PAVEMENT.
- 10- REMOVE AND INSTALL NEW PEDESTRIAN PUSH BUTTON PLATE TO CONVERT TO INTERNATIONAL TYPE.
- 11- REMOVE AND INSTALL NEW PEDESTRIAN INDICATIONS (FACE PANEL MODULE) TO CONVERT TO INTERNATIONAL TYPE.
- 12- FURNISH AND INSTALL 3" CONDUIT, INSTALL INTO EXISTING PULL BOX.
- 13- FURNISH AND INSTALL SIGNAL HEAD PER DETAIL 'A' SHEET 8 OF 8.
- 14- FURNISH AND INSTALL SIGNAL HEAD PER DETAIL 'E' SHEET 8 OF 8.
- 15- AT LOCATION 'F' REMOVE AND SALVAGE EXISTING POLE AND HEAD.
- 16- FURNISH AND INSTALL NEW 2" CONDUIT PULL BOX AND PULL ROPE.
- 17- FURNISH AND INSTALL PED. BARRICADE PER CALTRANS STD. ES-6A WITH R49 18"x36'.
- 18- CONSTRUCT STRAIGHT CORNER ACCESS RAMP PER OCEMA STD. PLAN III.

DETAIL J



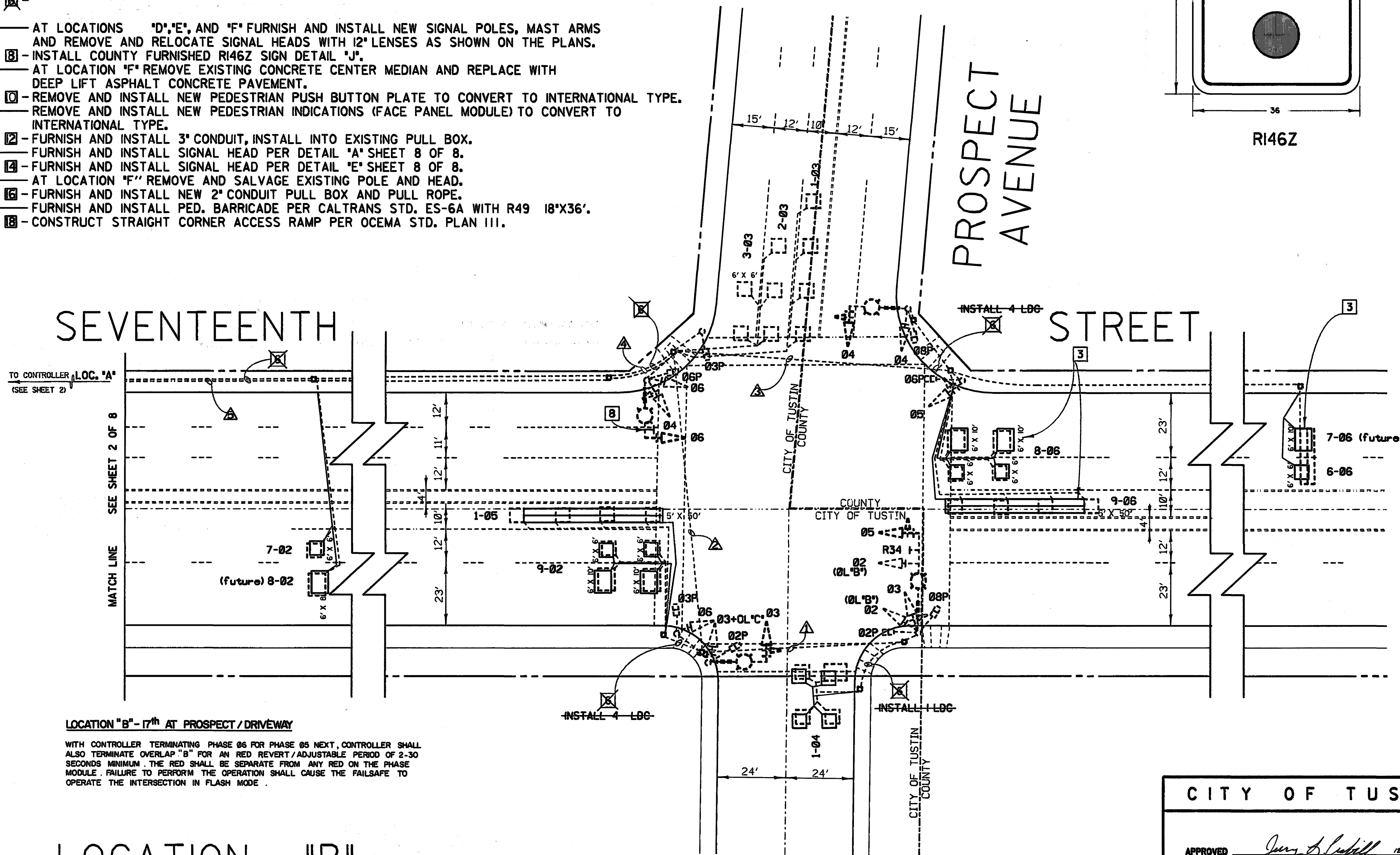
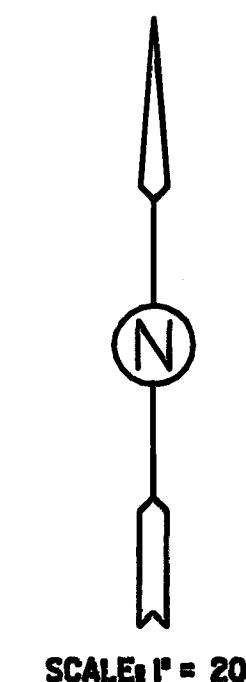
CONDUCTOR		SCHEDULE				
AWG	CIRCUIT	RUN				
		▲	▲	▲	▲	▲
# 14 (E)	02 (OL'B')	3	3	--	3	3
	03	3	3	--	3	3
	04	--	--	4	7	7
	05	3	3	3	6	6
	06	--	3	--	6	6
	02P	2	2	--	2	2
	04P	2	2	2	6	6
	06P	2	2	2	6	6
	02PPB	1	1	--	1	1
	06PPB	1	1	1	2	2
	04PPB	1	1	1	2	2
	PPB COMMON	1	1	1	2	2
	ISNS	1	1	1	2	2
	SPARES	3	5	4	9	9
	OL"C"	--	2	--	2	2
	TOTAL	20	30	19	59	59
# 10 (E)	SIGNAL & SIGN COMMON	1	1	1	2	2
	LUMINAIRE	2	2	2	4	4
	TOTAL	3	3	3	6	6
LDC (E)	02	--	3	--	3	3
	03	--	--	--	3	3
	04	1	1	--	1	1
	05	--	1	--	1	1
	06	--	--	4	4	4
	TOTAL	1	5	4	12	12
CONDUIT SIZE (E)		2"	2 1/2"	2 1/2"	2-3"	2-3"

(E) EXISTING

PHASE DIAGRAM
SEE SHEET 2

DETECTOR SCHEDULE
SEE SHEET 2

CONTROLLER LOCATION
SEE SHEET 2



LOCATION "B" - 17th AT PROSPECT / DRIVEWAY

WITH CONTROLLER TERMINATING PHASE 06 FOR PHASE 05 NEXT, CONTROLLER SHALL ALSO TERMINATE OVERLAP "B" FOR AN RED REVERT / ADJUSTABLE PERIOD OF 2-30 SECONDS MINIMUM. THE RED SHALL BE SEPARATE FROM ANY RED ON THE PHASE MODULE. FAILURE TO PERFORM THE OPERATION SHALL CAUSE THE FAILSAFE TO OPERATE THE INTERSECTION IN FLASH MODE.

LOCATION "B"

CITY OF TUSTIN

APPROVED *Jerry L. Cudill* 12-7-96
DATE

ORANGE COUNTY
ENVIRONMENTAL MANAGEMENT AGENCY

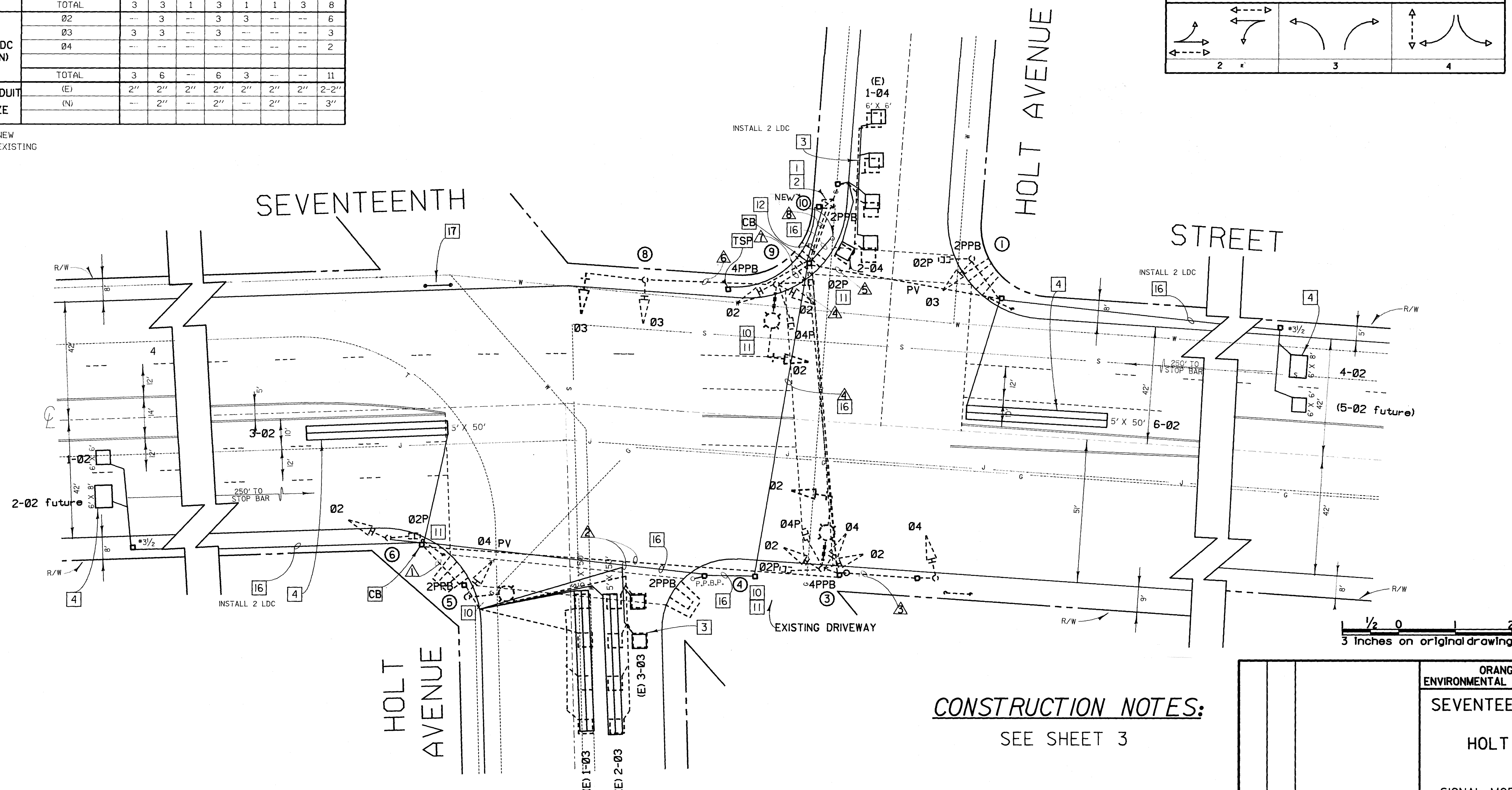
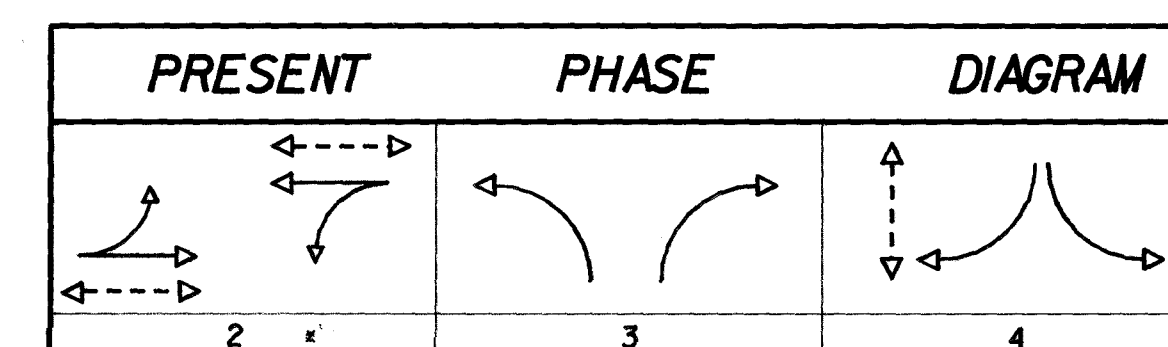
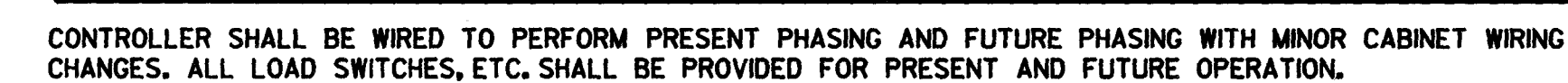
SEVENTEENTH STREET
AND
PROSPECT AVENUE
(NORTH)

SIGNAL MODIFICATION PLAN

NAME	DATE	DESCRIPTION	PREPARED UNDER	DATE	SHEET
REVISIONS			SUPERVISION OF		
DESIGNED	R. SCHROEDER		SCALE	DATE	W.O. R25450
DRAWN	C. MANSFIELD	CHECKED	M. YAMADA		OF 8

(N) NEW
(F) FUTURE

(N) NEW
(E) EXISTING



CONSTRUCTION NOTES:
SEE SHEET 3

LOCATION "C"

				ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY		SHEET 4	
				SEVENTEENTH STREET AND HOLT AVENUE		OF 8	
				SIGNAL MODIFICATION PLAN			
MARK	DATE	DESCRIPTION		PREPARED UNDER SUPERVISION OF <i>[Signature]</i> <i>abc</i> <i>12/10/86</i>		DATE	
REVISIONS							
DESIGNED	R. SCHROEDER		SCALE	DATE	W. O. NO. R25450		
DRAWN	NUNN/MANSFIELD		CHECKED	M. YAMADA			
				AS SHOWN			

				ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY	
				SEVENTEENTH AT ESPLANADE SIGNAL MODIFICATION PLAN	
MARK	DATE	DESCRIPTION		PREPARED UNDER SUPERVISION OF <i>[Signature]</i> <i>12/10/86</i> RCE 3037 DATE	SHEET
REVISIONS					
DESIGNED	SCHROEDER				
DRAWN	N.M. NUNN	CHECKED	MY	SCALE	DRAWING NO.
				AS SHOWN	W.D. R25408
					5/8 OF --

DRAWING NUMBER
S240.3

DRAWING NUMBER
S240.3

DRAWING NUMBER
S240.3

5 CONDUCTOR		SCHEDULE							
AWG	CIRCUIT	RUN							
		1	2	3	4	5	6	7	8
*14 (N)	01	3	3	3		6			
	02		3		3	6			
	04	3	3			3			
	06	3	3			3			
	02PED			2	2	4			
	04PED	2	2	2		6			
	02PPB			1		2			
	04PPB	1	1	1		2			
	PPB COMMON	1	1	1	1	2			
	ISNS	2	2		2	4			
*10 (N)	SPARE	3	3	3	3	9			
	TOTAL	18	21	13	11	47			
	LUMINAIRES	2	2		2	4			
LOOP DETECTOR CABLE (N)	SIGNAL & SIGN COMM	1	1	1	1	3			
	TOTAL	3	3	1	3	7			
	01		1			1			
TOTAL	02			2		2			
	04(E)					2			
	06		2			2			
CONDUIT SIZE (E)	00	2"	2"	2"	2"	2-3"			
		2"							

INDUCTIVE LOOP DETECTOR SCHEDULE		
SENSOR UNIT	CHANNEL	DETECTOR
*1(N)	1	1-02
	2	2-02(F)
	3	1-06
	4	2-06(F)
*2(N)	1	1-01
	2	1-04
	3	SPARE
	4	SPARE
*3(N)	1	1-02
	2	2-02(F)
*4(N)	1	1-06
	2	2-06(F)
*5(N)	1	2-04
	2	SPARE

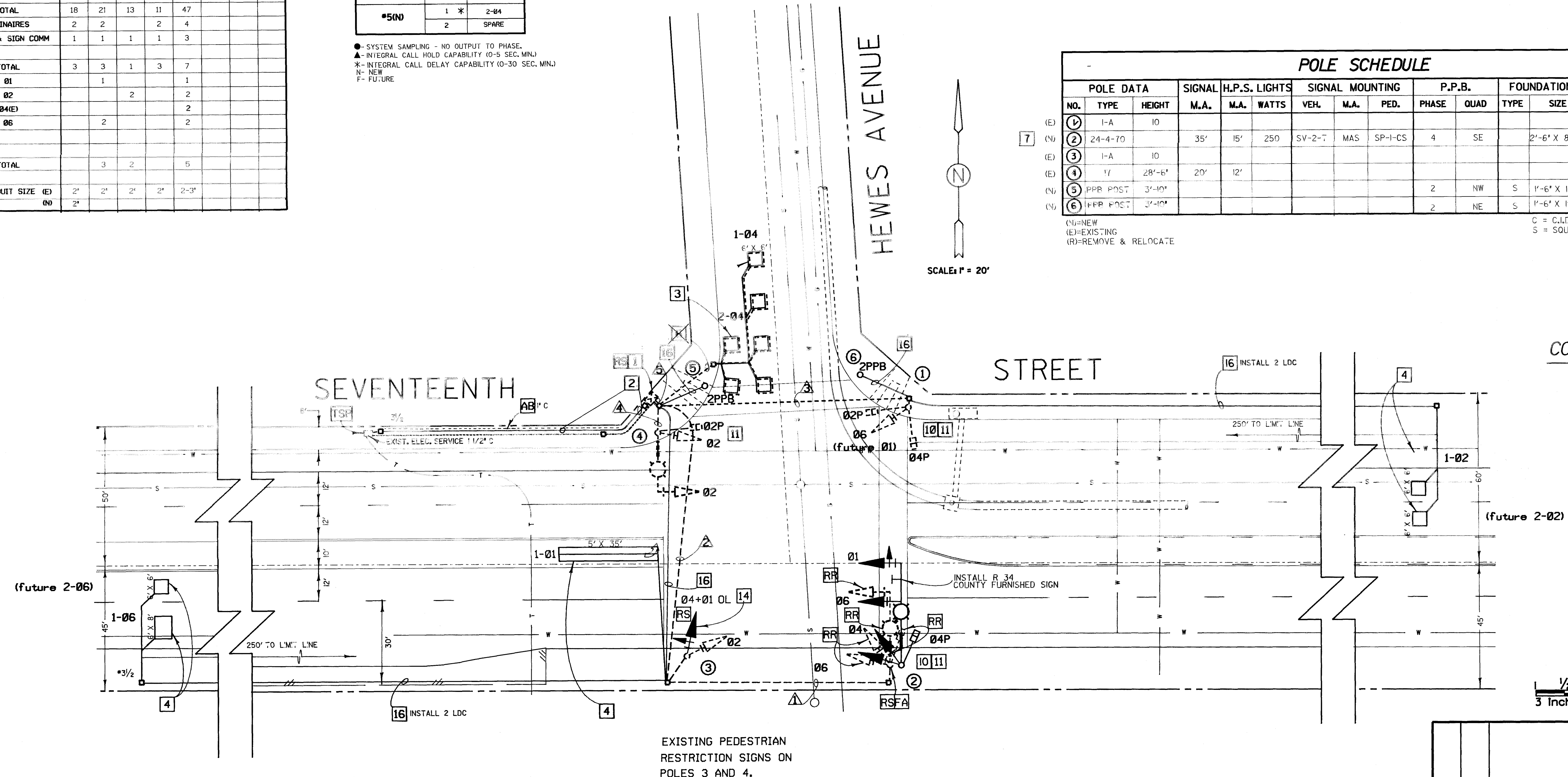
● - SYSTEM SAMPLING - NO OUTPUT TO PHASE.
▲ - INTEGRAL CALL HOLD CAPABILITY (0-5 SEC. MIN.)
* - INTEGRAL CALL DELAY CAPABILITY (0-30 SEC. MIN.)
N - NEW
F - FUTURE

PHASE		DIAGRAM							
VEHICULAR & PEDESTRIAN MOVEMENTS	OL	←	→	↑	↓				
NEMA PHASE		1+6	2+6	4					
COORDINATION FUNCTION		*	*						
1+6 → 2+6 → 4									

POLE SCHEDULE												
POLE DATA			SIGNAL		H.P.S. LIGHTS		SIGNAL MOUNTING			P.P.B.		ILLUMINATED SIGN
NO.	TYPE	HEIGHT	M.A.	M.A.	WATTS	VEH.	M.A.	PED.	PHASE	QUAD	TYPE	SIZE
(E) 1	I-A	10										
(N) 2	24-4-70		35'	15'	250	SV-2-T	MAS	SP-I-CS	4	SE		2'-6" X 8'-0"
(E) 3	I-A	10										
(E) 4	I/I	28'-6"	20'	12'								
(N) 5	PPB POST	3'-10"							2	NW	S	1'-6" X 1'6"
(N) 6	PPB POST	3'-10"							2	NE	S	1'-6" X 1'6"
C = C.I.D.H. S = SQUARE												

(N)=NEW
(E)=EXISTING
(R)=REMOVE & RELOCATE

NEED NEW SIGN HANGER



CONSTRUCTION NOTES
SEE PAGE 3

1/2 0 2
3 Inches on original drawing

LOCATION "E"

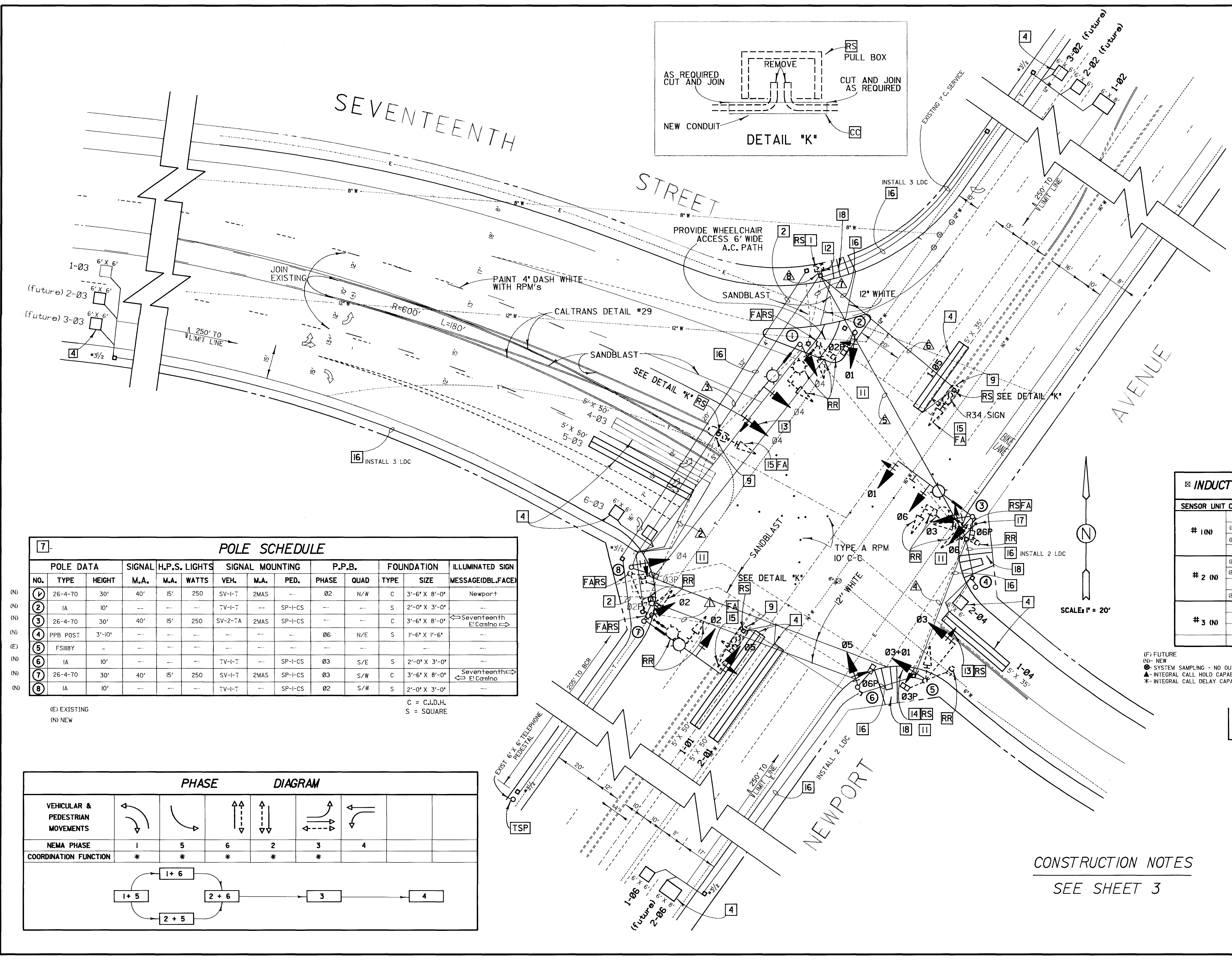
EXISTING PEDESTRIAN
RESTRICTION SIGNS ON
POLES 3 AND 4.

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY			
SEVENTEENTH STREET AT HEWES AVENUE SIGNAL MODIFICATION PLAN			
MARK	DATE	DESCRIPTION	PREPARED UNDER
REVISIONS			SUPERVISION OF
DESIGNED	DATE	SCALE	DATE
DRAWN	DATE	AS SHOWN	DATE
N. NUAN			MY
W.O.* R25450			DATE
SHEET 6 OF 8			

DRAWING NUMBER
PORT
S240.5
PLAN-HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION NUMBER 001

DRAWING NUMBER
S240.5
PLAN-HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION NUMBER 001

DRAWING NUMBER
S240.5
PLAN-HOLD CORPORATION • IRVINE, CALIFORNIA
REVISION NUMBER 001



5 CONDUCTOR		SCHEDULE							
AWG	CIRCUIT	RUN							
		1	2	3	4	5	6	7	8
#14 (N)	01	---	---	---	---	---	---	---	---
	02	---	3	3	---	---	---	3	3
	03	---	---	---	3	3	---	---	3
	04	---	3	3	3	---	---	---	---
	05	---	3	3	3	3	---	3	6
	06	---	---	---	---	3	---	---	3
	02P	---	2	2	---	---	---	2	2
	03P	---	2	2	2	2	---	2	4
	06P	---	---	---	2	2	---	2	2
	02PPB	---	1	1	---	---	---	1	1
#10 (N)	03PPB	---	1	1	1	1	---	1	2
	06PPB	---	---	---	1	1	---	1	1
	PPB COMMON	---	1	1	1	1	---	1	2
	ISNS	---	1	1	1	1	---	1	2
	SPARES	---	3	3	3	3	---	3	6
	TOTAL	0	20	20	23	23	0	26	43
	SIGNAL & SIGN COMMON	---	1	1	1	1	---	1	2
	LUMINAIRE	---	2	2	2	2	---	2	4
	TOTAL	0	3	3	3	3	0	3	6
	01	2	2	2	---	---	---	2	2
LDC (N)	02	---	---	---	---	---	---	---	3
	03	---	6	6	---	---	---	6	6
	04	---	---	---	---	2	---	---	2
	05	---	---	---	---	---	1	---	1
	06	---	---	---	2	2	---	---	2
	TOTAL	2	8	8	2	4	1	8	16
CONDUIT SIZE	E	1 1/2"	2"	2"	2"	2"	1 1/2"	2"	2-3"
	N	---	---	2"	2"	2"	---	2"	3"

(E) EXISTING
(N) NEW

INDUCTIVE LOOP DETECTOR SCHEDULE			
SENSOR UNIT CHANNEL DETECTOR		SENSOR UNIT CHANNEL DETECTOR	
# 1 (N)	1 0	1-02	4-03
	(F) 2 0	2-02	---
	(F) 3 0	3-02	---
	4 0	1-03	---
# 2 (N)	(F) 1 0	2-03	---
	(F) 2 0	3-03	---
	3 0	1-06	---
	(F) 4 0	2-06	---
# 3 (N)	1	1-04	---
	2	5-03	---
	3	6-03	---
	4	1-01	---
# 4 (N)	1	2	SPARE
	2	---	---
	3	---	---
	4	---	---
# 5 (N)	1	1-02	---
	(F) 2	2-02	---
	(F) 1	3-02	---
	2	1-03	---
# 6 (N)	(F) 1	2-03	---
	(F) 2	3-03	---
	(F) 1	3-02	---
	2	1-03	---
# 7 (N)	(F) 1	2-03	---
	(F) 2	3-03	---
	(F) 1	3-02	---
	2	1-03	---
# 8 (N)	(F) 1	2-06	---
	(F) 2	3-06	---
	(F) 1	3-02	---
	2	SPARE	---

(F) FUTURE
(N) NEW
0 - SYSTEM SAMPLING - NO OUTPUT TO PHASE
▲ - INTEGRAL CALL HOLD CAPABILITY (0-5 SEC. MIN.)
* - INTEGRAL CALL DELAY CAPABILITY (0-30 SEC. MIN.)

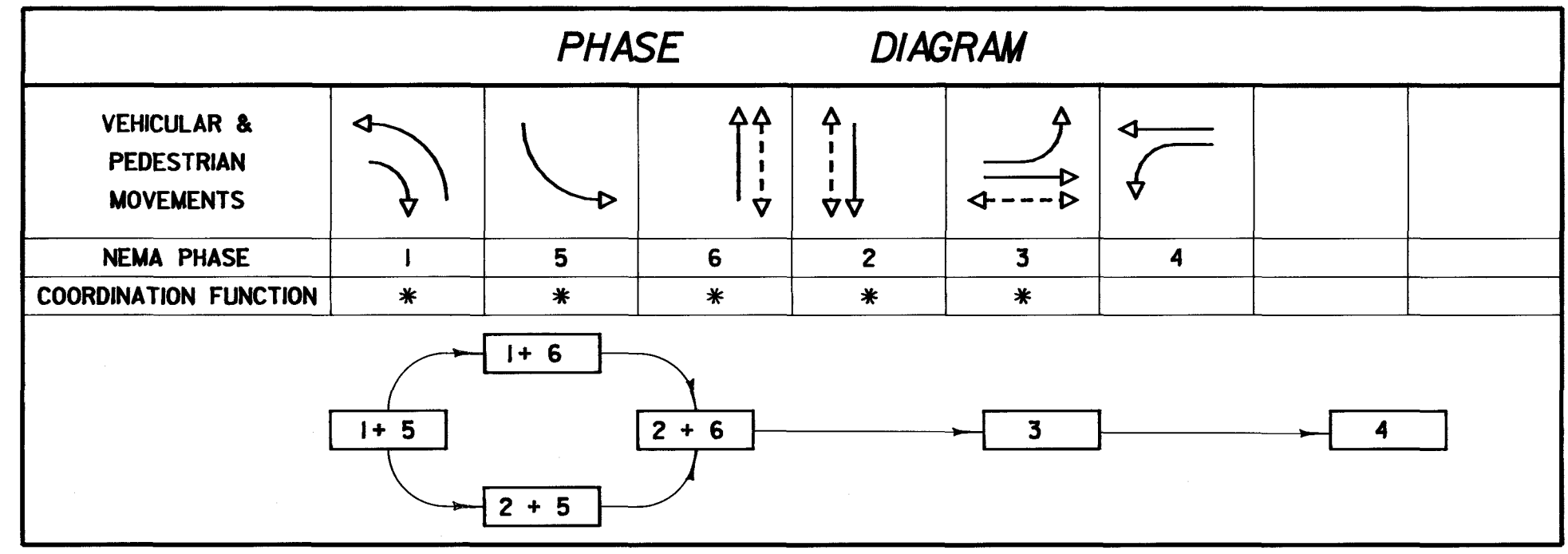
LOCATION "F"

1/2 0 2
3 Inches on original drawing

7 POLE SCHEDULE													
POLE DATA			SIGNAL		H.P.S. LIGHTS		SIGNAL MOUNTING			P.P.B.		FOUNDATION	
NO.	TYPE	HEIGHT	M.A.	M.A.	WATTS	VEH.	M.A.	PED.	PHASE	QUAD	TYPE	SIZE	ILLUMINATED SIGN MESSAGE (OBL.FACE)
(N) 1	26-4-70	30'	40'	15'	250	SV-I-T	2MAS	---	02	N/W	C	3'-6" X 8'-0"	Newport
(N) 2	IA	10'	---	---	---	TV-I-T	---	SP-I-CS	---	---	S	2'-0" X 3'-0"	Seventeenth E' Canino
(N) 3	26-4-70	30'	40'	15'	250	SV-2-TA	2MAS	SP-I-CS	---	---	C	3'-6" X 8'-0"	Seventeenth E' Canino
(N) 4	PPB POST	3'-10"	---	---	---	---	---	---	06	N/E	S	1'-6" X 1'-6"	---
(E) 5	FSIII8Y	---	---	---	---	---	---	---	---	---	---	---	---
(N) 6	IA	10'	---	---	---	TV-I-T	---	SP-I-CS	03	S/E	S	2'-0" X 3'-0"	Seventeenth E' Canino
(N) 7	26-4-70	30'	40'	15'	250	SV-I-T	2MAS	SP-I-CS	03	S/W	C	3'-6" X 8'-0"	Seventeenth E' Canino
(N) 8	IA	10'	---	---	---	TV-I-T	---	SP-I-CS	02	S/W	S	2'-0" X 3'-0"	---

(E) EXISTING
(N) NEW

C = C.I.D.H.
S = SQUARE



CONSTRUCTION NOTES
SEE SHEET 3

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY			
SEVENTEENTH STREET AND NEWPORT AVENUE			
SIGNAL MODIFICATION PLAN			
MARK	DATE	DESCRIPTION	PREPARED UNDER
REVISIONS			
DESIGNED BY	DATE	SCALE	W. O. NO.
MANFIELD/BLAKE/NUSS	12/10/91	AS SHOWN	W. O. P25450
CHECKED BY	DATE	SCALE	W. O. NO.
M. YAMADA	12/10/91	AS SHOWN	W. O. P25450
SHEET 7 OF 8			

SEVERE PROSPECT(S) (NO) HOLT ADVERTISEMENTS

DRAWING NUMBER S240.8

PLANNED DEVELOPMENT - PLANNED DEVELOPMENT

DESIGNED BY MIT YAMADA

CHECKED BY L OCHOA

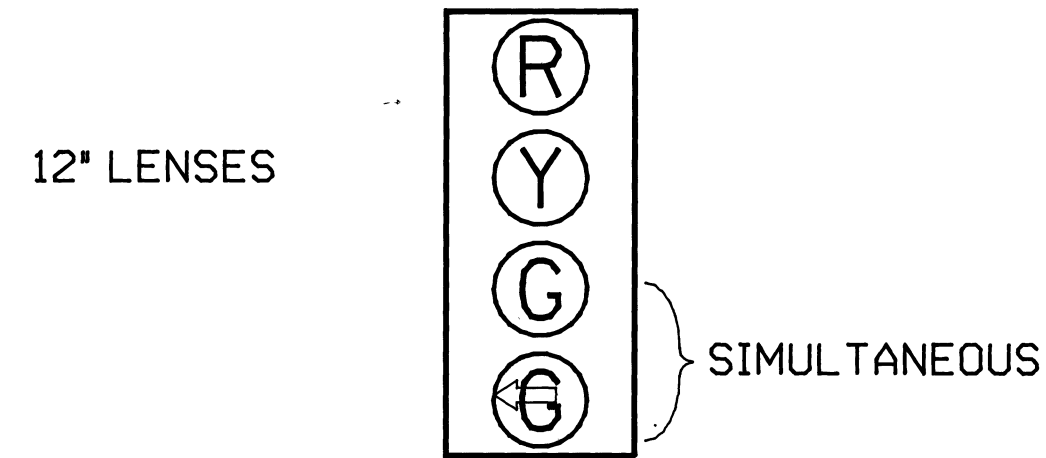
DATE 12/15/06

SCALE AS SHOWN

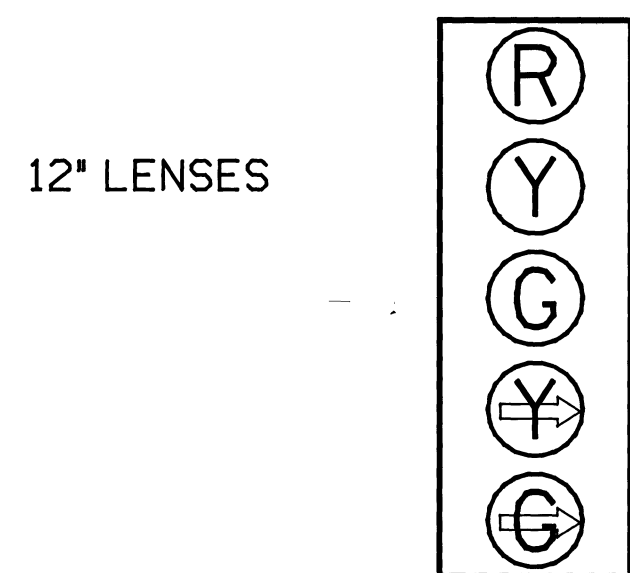
W. O. NO. R25450

SHEET 8 OF 8

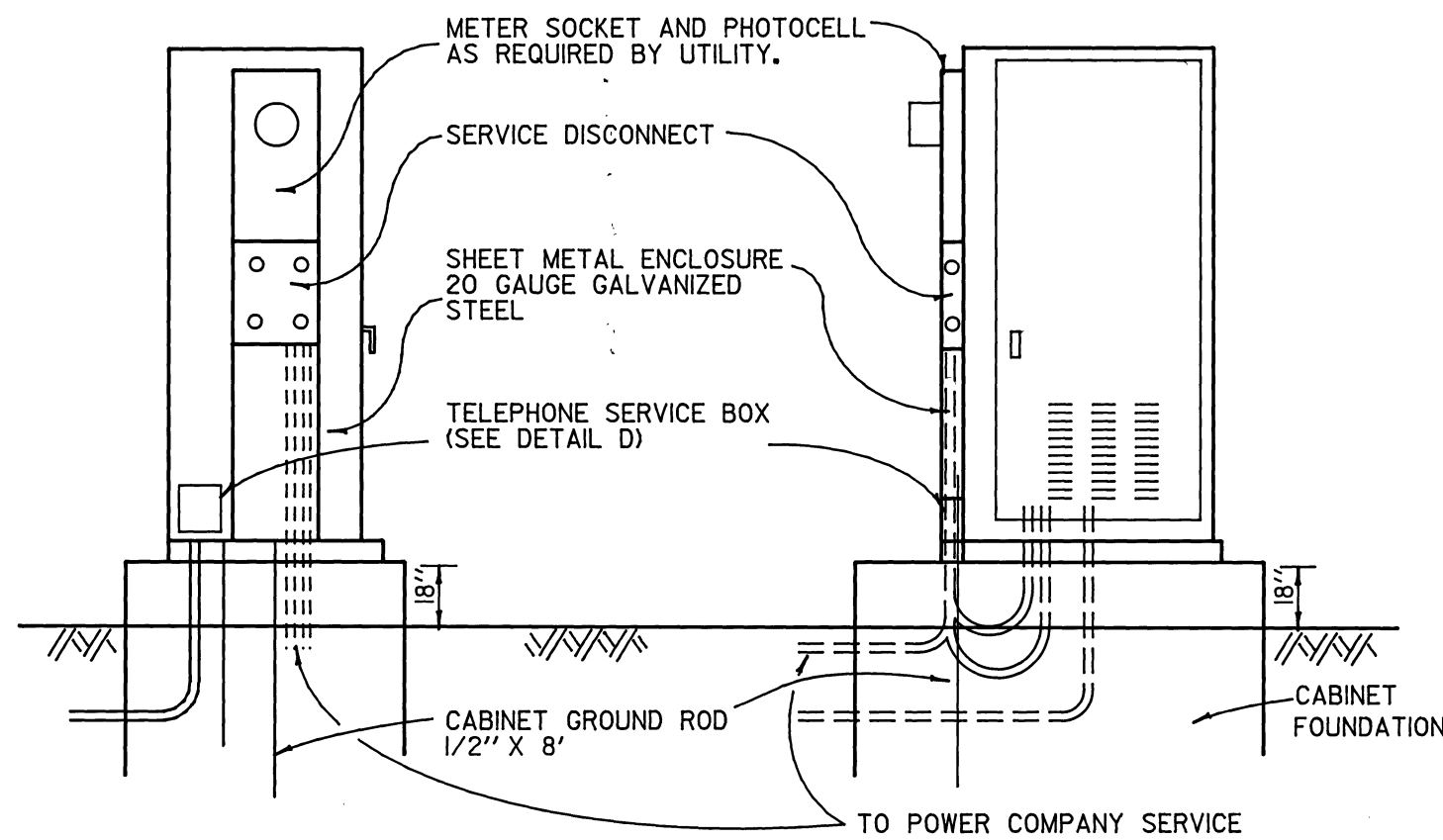
DETAIL A
4-SECTION SIGNAL HEAD



DETAIL E
5-SECTION SIGNAL HEAD



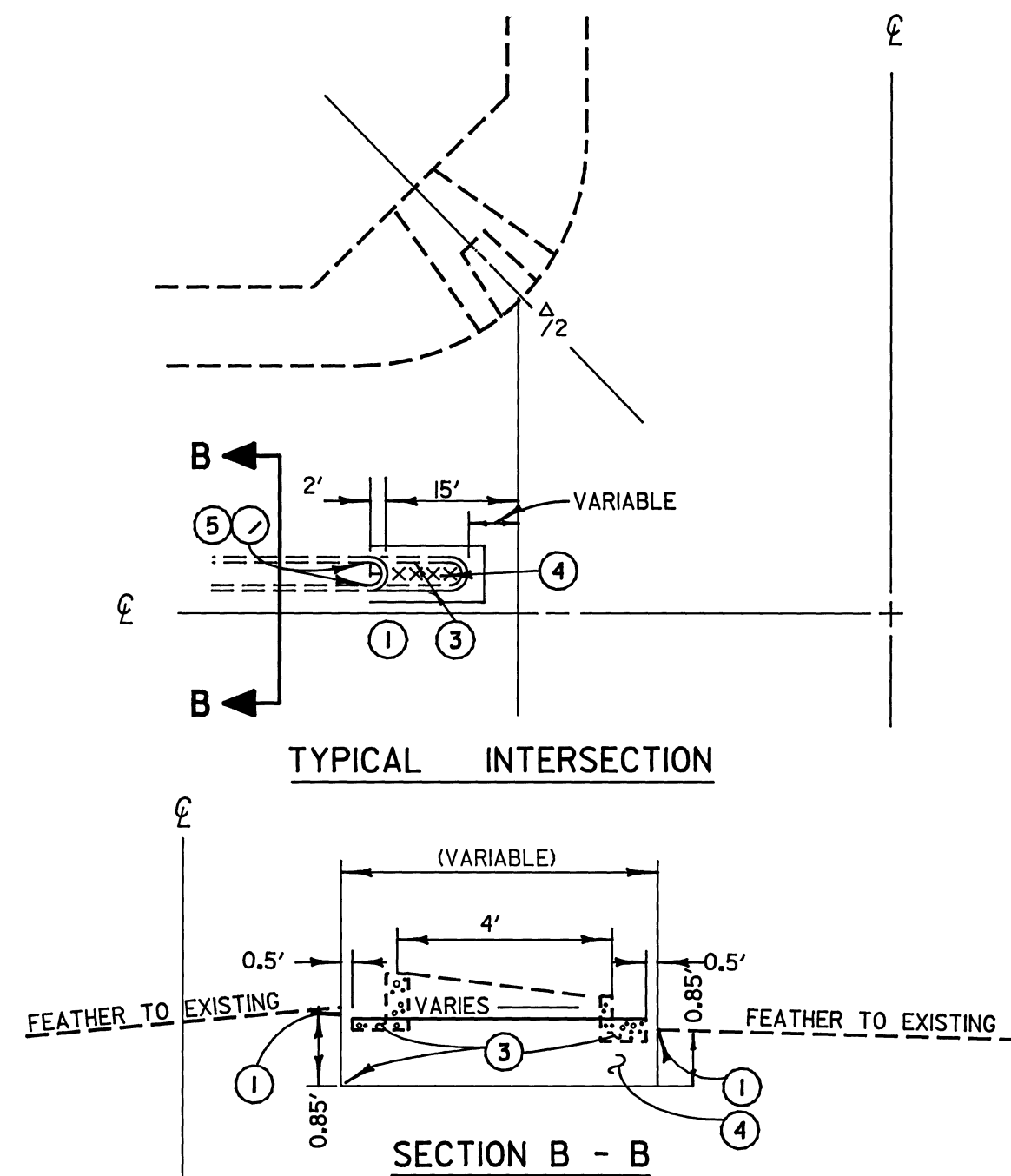
DETAIL F
MODIFIED TYPE II SERVICE



NOTE - DETAIL F

1. ALL SERVICE CABINETS AND SHEET METAL ENCLOSURES SHALL BE PAINTED THE SAME COLOR AS THE CONTROLLER CABINET.

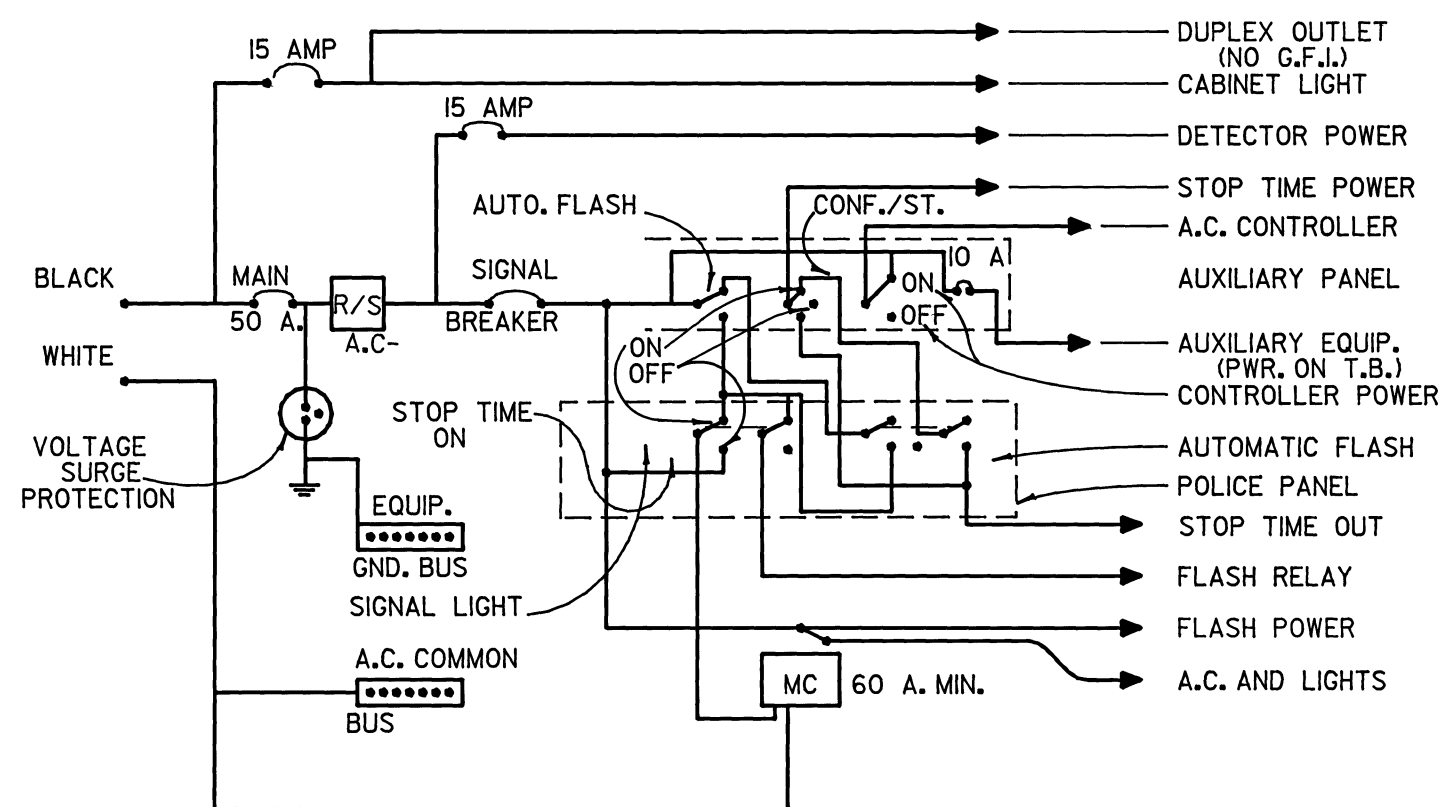
DETAIL B
INTERSECTIONS RAISED MEDIAN



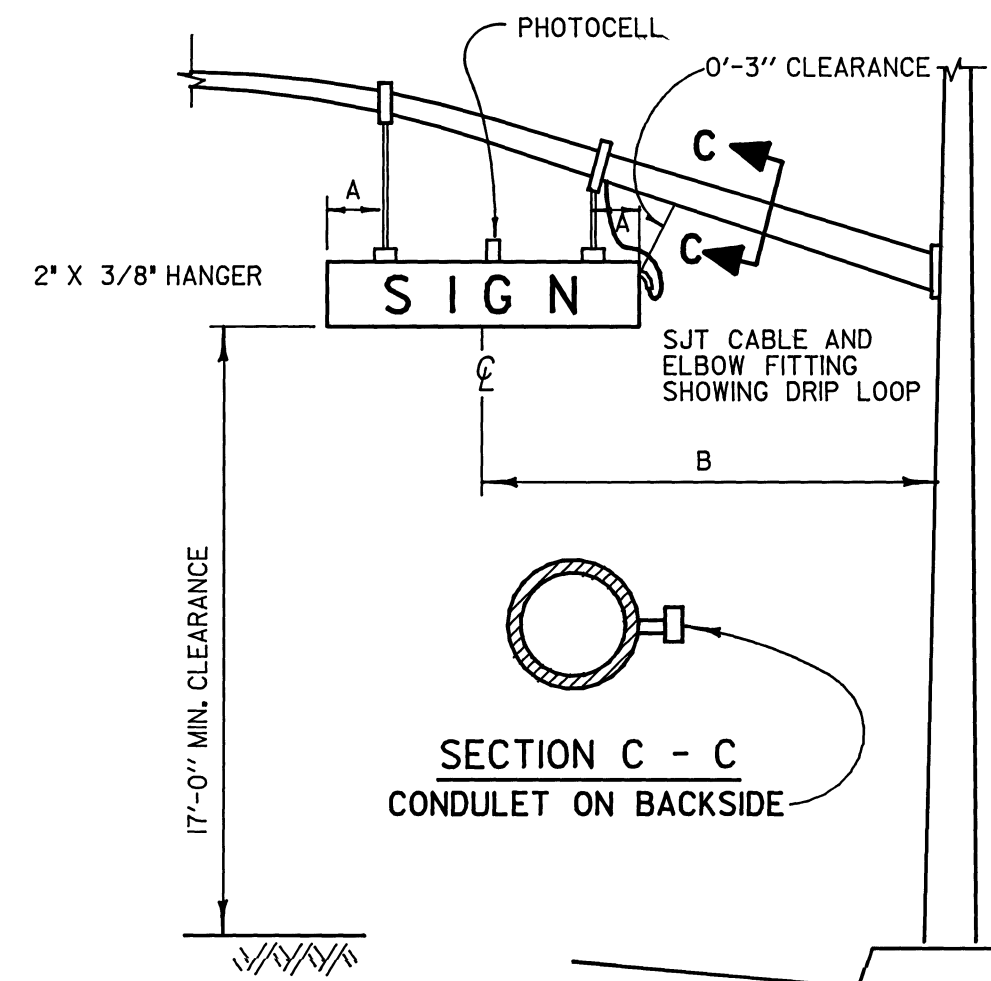
CONSTRUCTION NOTES - DETAILS A & B

1. SAWCUT AND JOIN EXISTING
2. CONSTRUCT SIDEWALK ACCESS RAMP
3. REMOVE CONCRETE
4. CONSTRUCT 0.85' AC OVER NATIVE SOIL
5. CONSTRUCT TYPE B CONCRETE CURB PER OCMA STD. 201

DETAIL G
CONTROLLER CABINET WIRING



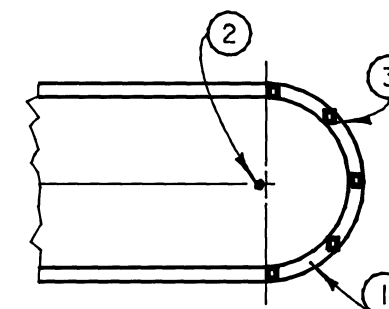
DETAIL C
STREET NAME SIGN COMPONENTS



NOTES - DETAIL C

- A 1'-6" MINIMUM
- B 10'-6" CENTERLINE OF SIGN TO FACE OF POLE

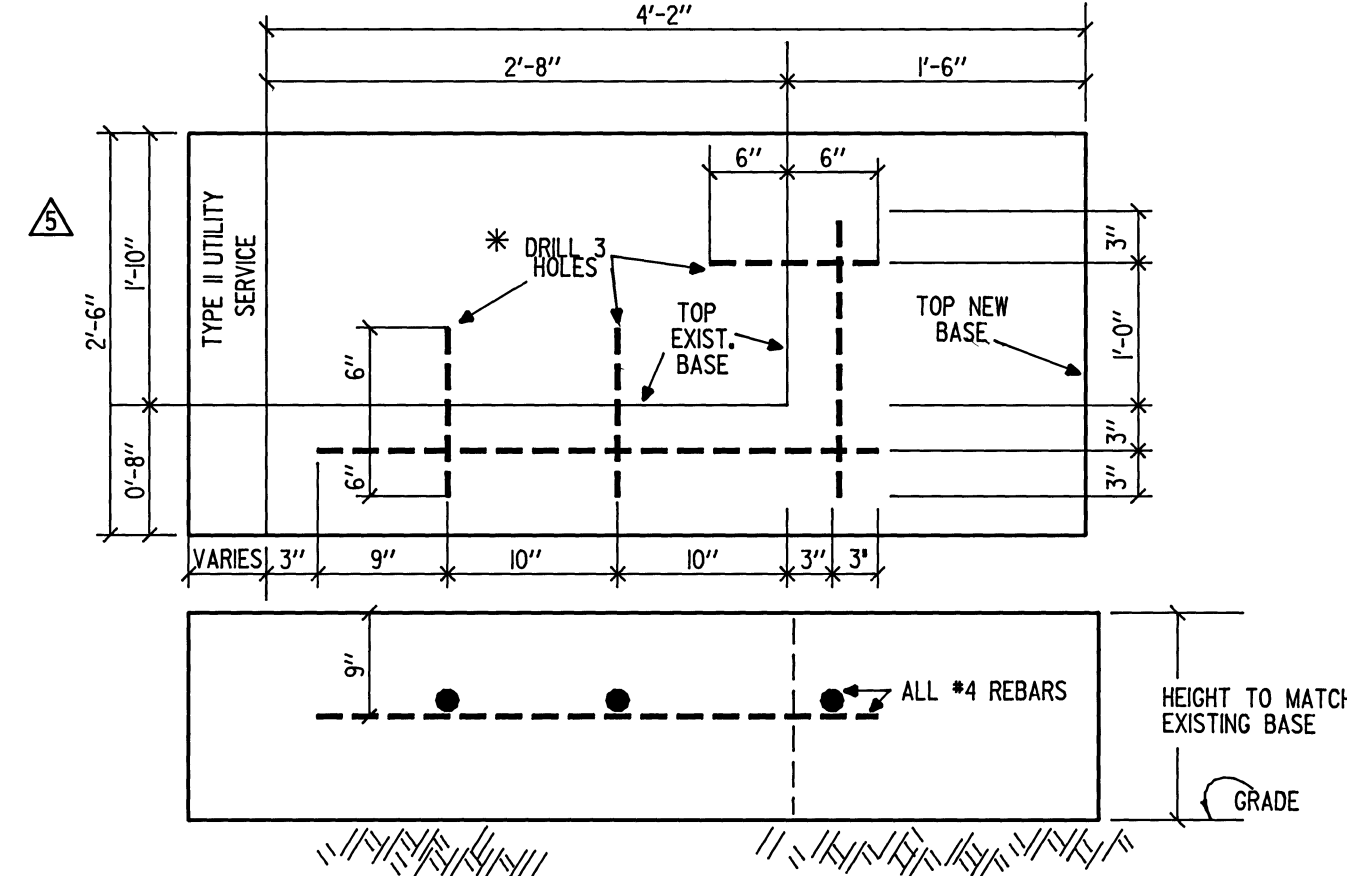
DETAIL H
RAISED MEDIAN MARKING



NOTES - DETAIL H

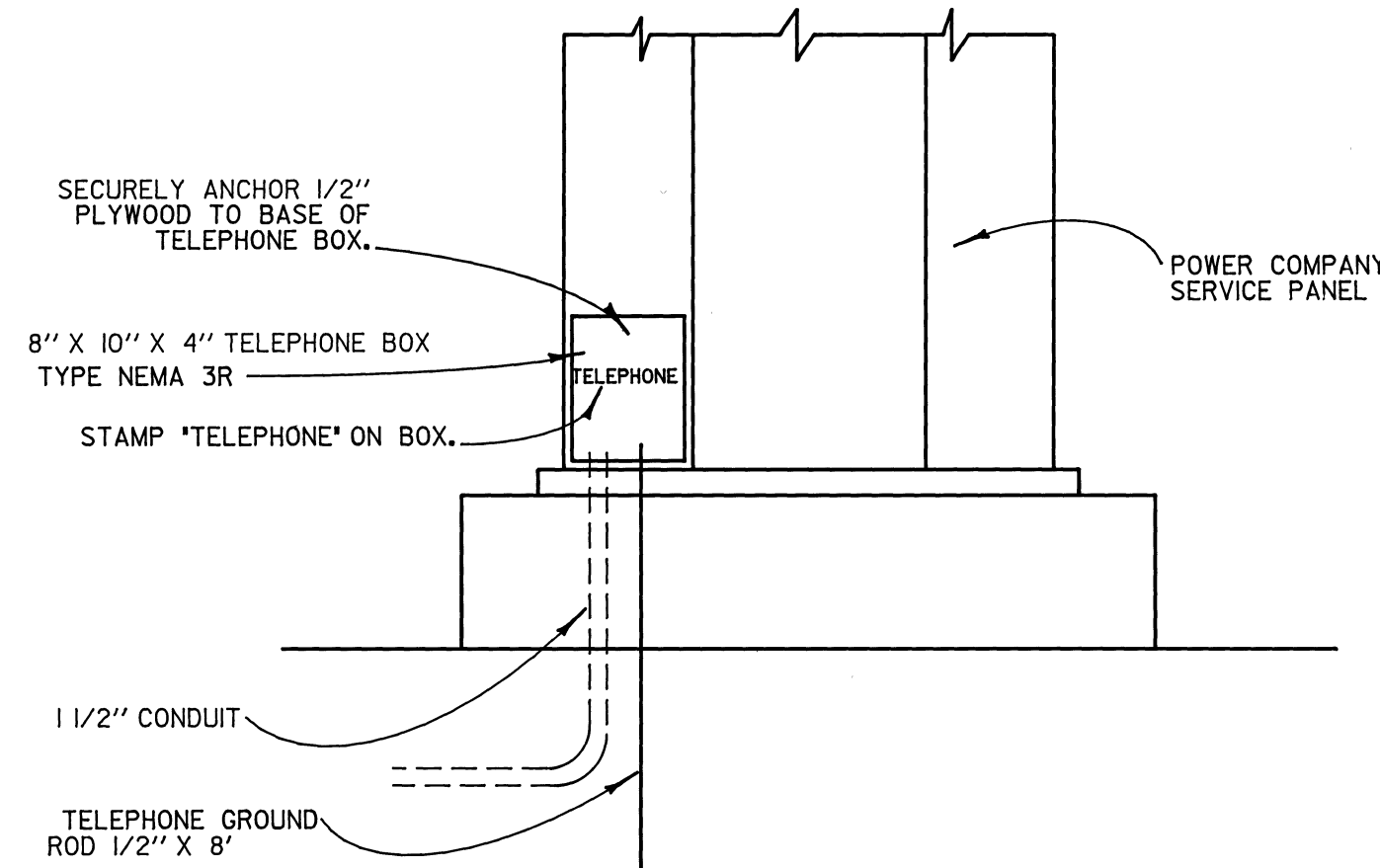
1. PAINT MEDIAN NOSE WITH HIGHLY REFLECTIVE PREMIXED WHITE TRAFFIC PAINT WITH GLASS BEADS.
2. INSTALL FLEXIBLE VERTICAL TYPE K MARKER, RT, RD OR TYPE N-10N TELESPORE POST AS INDICATED ON PLAN.
3. INSTALL YELLOW REFLECTIVE PAVEMENT MARKERS ON TOP SURFACE OF MEDIAN CURB NOSE AT 2' C.C. SPACING (MINIMUM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

DETAIL I
"M" TO "P" CABINET BASE CONVERSION



* 3 HOLES FOR #4 REBAR. SEAL BARS IN PLACE WITH GROUT OR EPOXY.

DETAIL D
TELEPHONE SERVICE BOX



GENERAL NOTES:

1. ALL WORK, MATERIALS AND EQUIPMENT SHALL CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA, DEPT. OF TRANSPORTATION, STANDARD PLANS AND STANDARD SPECIFICATIONS DATED JULY 1984 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 834-3488.
5. ALL STRIPING AND STENCILING SHALL BE PERFORMED BY COUNTY FORCES.
6. THE ENGINEER SHALL APPROVE POLE AND LOOP DETECTION PLACEMENT IN THE FIELD PRIOR TO INSTALLATION.
7. ALL CONDUIT SHALL BE 2" UNLESS OTHERWISE NOTED.
8. ALL PULL BOXES SHALL BE #5 UNLESS OTHERWISE NOTED.
9. ALL SALVAGED EQUIPMENT SHALL BE DELIVERED BY CONTRACTOR TO ORANGE COUNTY YARD AT 152 EAST FRUIT ST, SANTA ANA, CA.
10. CONTRACTOR SHALL PROVIDE ALL NECESSARY TELEPHONE AND ELECTRICAL SERVICE LINES AND INTERCONNECT HOOK-UPS BETWEEN THE LOCAL CONTROLLER AND THE SYSTEM MASTER.
11. PEDESTRIAN INDICATION SHALL BE INTERNATIONAL SYMBOL.
12. PEDESTRIAN PUSH BUTTON SHALL BE TYPE B WITH INTERNATIONAL SYMBOL PLATE.
13. ALL VEHICLE INDICATIONS SHALL BE 12" WITH BACKPLATES AND GLASS LENSES, UNLESS SHOWN OTHERWISE.
14. CONTRACTOR SHALL POTHOLE CONFLICTING UTILITIES AS DIRECTED BY ENGINEER.
15. CONTRACTOR SHALL AVOID DAMAGING EXISTING UTILITIES. (SEE SPECIAL PROVISIONS).
16. INDUCTIVE LOOPS SHALL BE 6' X 6' WITH 10' SPACING IN THE DIRECTION OF TRAVEL UNLESS OTHERWISE NOTED.

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

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY			
DETAIL SHEET			
12-20-79	ADDED DETAIL H	PREPARED UNDER	DATE
12-15-81	ADDED DETAIL D REVISED DETAIL F	SUPERVISION OF	DATE
2-23-82	DETAIL E ALL ARROWS	L. OCHOA	12/15/06
4-20-82	ADDED DETAIL I	RCE 35217	
10-9-85	ADDED TYPE II UTILITY		
10-6-86	REVISED DETAIL H DELETED DETAIL E		
MARK	DATE	REVISIONS	
DESIGNED	MIT YAMADA	SCALE	DATE
DRAWN	C. MANSFIELD	AS SHOWN	DATE
CHECKED	L. OCHOA		
		W. O. NO.	SHEET
		R25450	8
			OF 8