

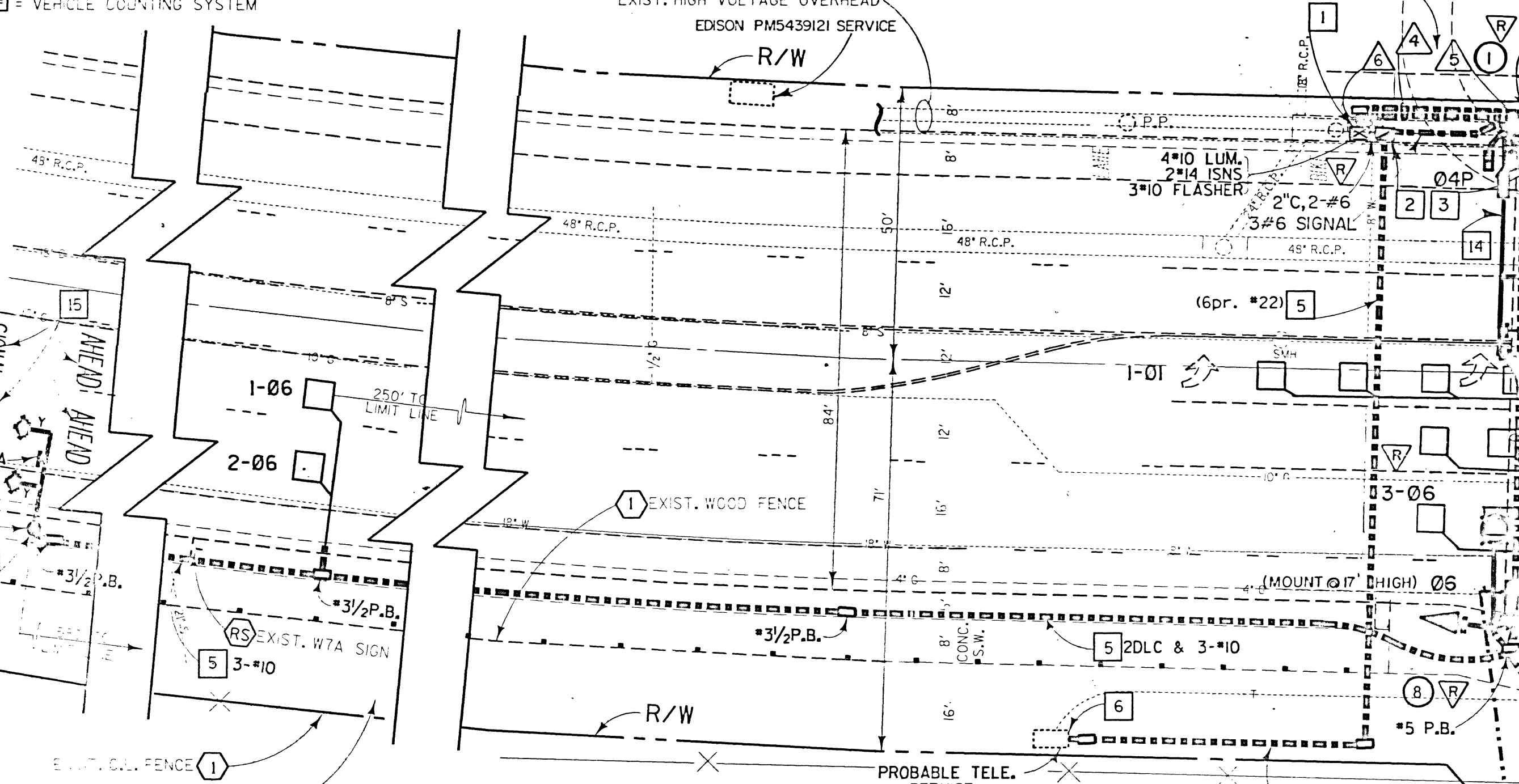
DRAWING NUMBER
GO CANYON
GE PARK @
S170.1

INDUCTIVE LOOP DETECTOR SCHEDULE				POLE SCHEDULE															
SENSOR UNIT	CHANNEL	DETECTOR		POLE DATA			SIGNAL	H.P.S.V. LUMINAIRE		SIGNAL MOUNTING			PED PUSH BUTTON			FOUNDATION		ISNS TYPE 'A'	
				NO.	TYPE	HEIGHT	M.A.	M.A.	WATTS	VEH.	M.A.	PED.	PHASE	POLE	QUAD	TYPE	SIZE	(DOUBLE FACE)	
1	1	1-05	1	1	27-4-70	17'	40'			SV-2-TB	2MAS	SP-1-CS	4	E		C	3'-0"x8'-0"	▲ Orange Park	
	2 (1)	1-02	2	2	1A * *	7'							* 4H	W		S	2'-0"x3'-0"		
2	1 (2)	2-02	3	3	16-2-70	18'-6"	15'			SV-2-TB						C	2'-6"x5'-0"	☐ ▲ Santiago Canyon	
	2	3-02		4	26-4-70	30'	40'	15'	250	SV-2-TB	2MAS	SP-1-CS				C	3'-0"x8'-0"	▲ Orange Park	
3	1	1-01	4	5	PPBP	4'							2	S		S	1'-6"x1'-6"		
	2 (3)	1-06	5	6	15	30'		12'	200	SV-1-T		SP-1-CS	2	N		C	3'-6"x5'-0"		
4	1 (4)	2-06	6	7	1A * *	7'							* 4H	W		S	2'-0"x3'-0"		
	2	3-06		8	15	30'		15'	250	SV-1-T		SP-1-CS	4	E		C	3'-6"x5'-0"		
5	1	1-04	7	9															
	2 (5)	1-03	8																
6	1 (6)	2-03	9																
	2																		
7	1																		
	2																		
8	1																		
	2																		
9	1																		
	2																		
10	1																		
	2																		
11	1																		
	2																		
12	1																		
	2																		

EXACT POLE LOCATIONS DETERMINED BY ENGINEER IN THE FIELD.
POT HOLE PIPE LINE PRIOR TO DRILLING FOUNDATION
EDISON PMS439121 SERVICE
R/W
EXIST. WOOD FENCE
EXIST. HORSE TRAIL
PROBABLE TELE. SERVICE
EXIST. WOOD FENCE
EXIST. HORSE TRAIL
SANTIAGO CANYON ROAD
ORANGE PARK BLVD.

1 = DETECTOR LOOP LOCATIONS SHALL BE APPROVED BY ENGINEER IN FIELD PRIOR TO INSTALLATION. ALL DETECTOR UNITS SHALL BE BACK MOUNTED, DUAL CHANNEL, DUAL OUTPUT PER CHANNEL WITH INTEGRAL COLORED EXTENSION AND DELAY CAPABILITY. OUTPUT 'A' SHALL BE TIMED. OUTPUT 'B' SHALL BE PRESENCE MODE FOR SYSTEM SAMPLING ONLY.
(*) = SYSTEM SAMPLER NUMBER.
1 = VEHICLE COUNTING SYSTEM

1 = MOUNT @ 17' HIGH.
* = MOUNT @ 6'-6" HIGH, INSTALL SPECIAL SIGN FOR HORSE.
C = C.I.D.H.
** = GALVANIZED CAP
S = SINGLE FACE W/METAL BACK PLATE.
□ = SQUARE
▲ = BLUE BACKGROUND W/WHITE LETTERS

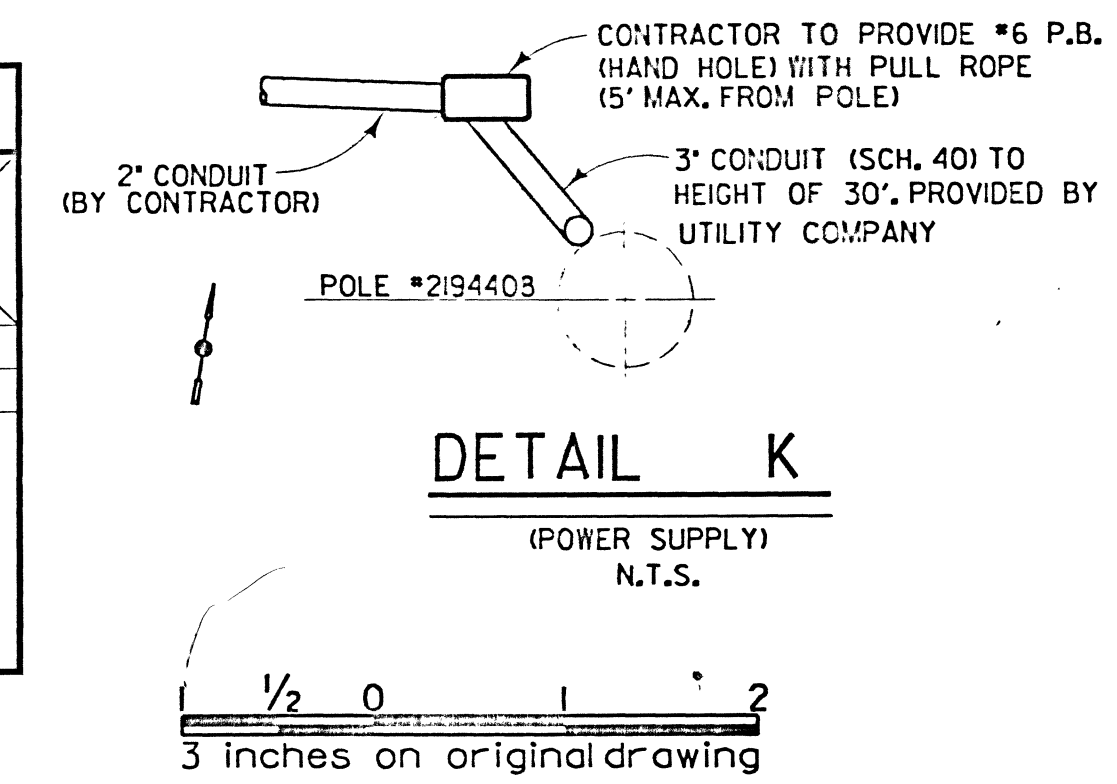
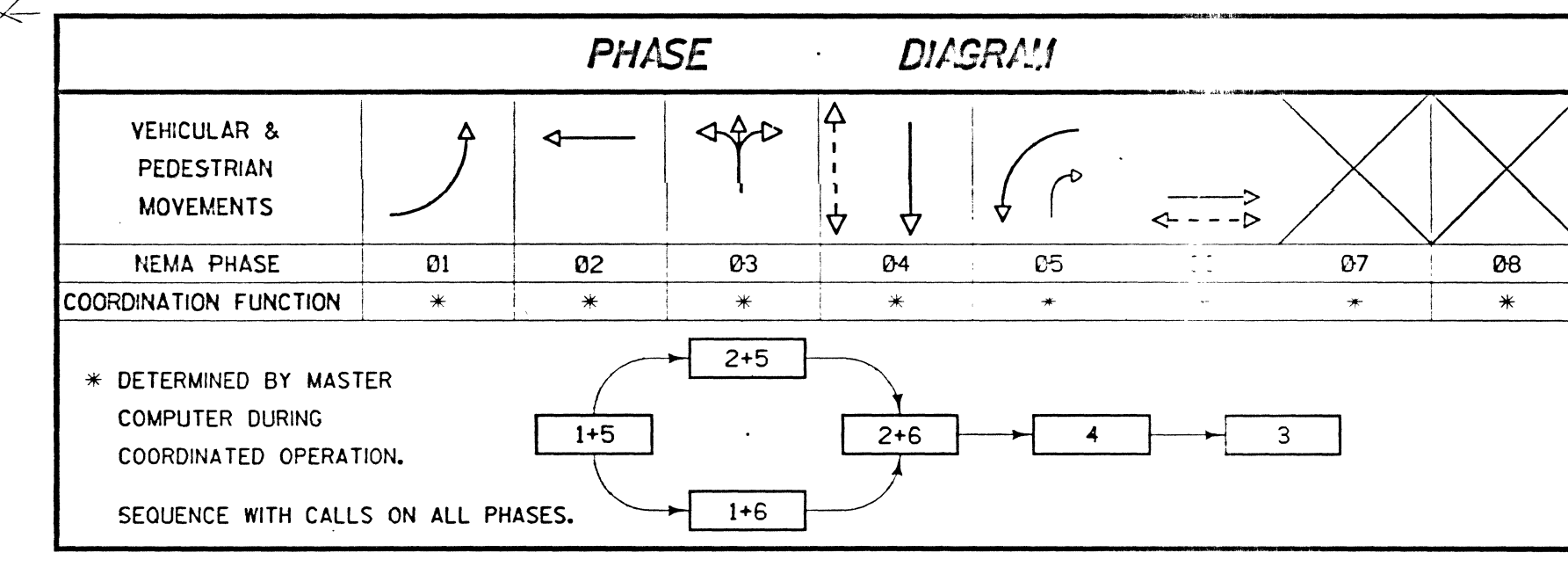
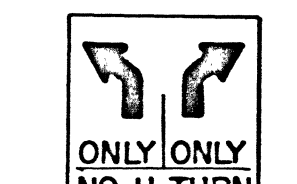


CONDUCTOR SCHEDULE							CONDUCTOR SCHEDULE						
AWG	CIRCUIT	1	2	3	4	5	AWG	CIRCUIT	1	2	3	4	5
# 14	01	3	3	3	6	6	# 20	EVP	3	3	3	3	6
	02							TOTAL	3	3	3	3	6
	03							SIGNAL COMMON	1	1	1	2	1
	04	3	6		6	6		LUMINAIRE	2	4		4	
	05		3		3	3		FLASHER BEACON		3		3	
	06	3	3		3	3		TOTAL	3	8	1	9	1
# 14	04P		2		2	4	DLC	01		1		1	1
	06P	2	2		2	2		02			3	3	3
	06PPB	1	1		1	1		03	1	1		1	1
	04PPB		1		1	1		04			1	1	1
	04HPB		1		1	1		05			1	1	1
	PPB COMMON	1	1		1	2		06		3		3	3
# 14	ISNS	1	1	1	2	2	CONDUIT SIZE	TOTAL	1	5	5	10	10
	SPARES	3	6	3	9	12			3"	3"	3"	2-3"	2-3"
	TOTAL	17	30	10	37	47							

▲ = PROVIDE A SEPARATE 30 AMP CIRCUIT BREAKER AT SERVICE PANEL.

CONSTRUCTION NOTES:

- FURNISH & INSTALL A 6 PHASE PROGRAMABLE FULLY ACTUATED CONTROLLER (MULTISONICS 820A SYSTEM CONTROLLER) WITH AN ALUMINUM TYPE 'P' CABINET EXPANDABLE TO 8 PHASE AND 6 DETECTOR SYSTEM RACK MOUNT DETECTORS, 12 POSITION SWING DOWN METAL LOAD BAY, SOLID STATE DEVICE MONITOR, D PANEL, RJ45 PHONE JACK AND 8 LOAD SWITCHES. INSTALL RAISED CABINET FOUNDATION (SEE CITY DETAIL SHEET).
- FURNISH & INSTALL TYPE II SIGNAL & STREET LIGHT SERVICE (UTILITY PACIFIC PRODUCTS) (USP2-100-OR-2TDM) WITH 60AMP SIGNAL, 30 AMP LUMINAIRE AND 20 AMP I.S.N.S. CIRCUIT BREAKERS. FURNISH & INSTALL I.S.N.S. PHOTOELECTRIC CELL, LUMINAIRE PHOTOELECTRIC CELL AND A MERCURY RELAY, ONE 30 AMP FLASHER BREAKER.
- INSTALL ACCESS RAMP PER CITY STANDARD PLAN I21.
- FURNISH & INSTALL 2" CONDUIT, NO. 6 PULL BOXES, AND PULL ROPE TO PROBABLE ELECTRICAL SERVICE POINT PER DETAIL 'K' OF THIS SHEET.
- FURNISH & INSTALL 2" CONDUIT, PULL BOXES, AND CONDUCTORS AS INDICATED.
- FURNISH & INSTALL TELEPHONE DROP.
- FURNISH & INSTALL PEDESTRIAN BARRICADE WITH R96 & R96A PER CALTRANS STANDARD PLAN ES-5F (TYPE I).
- FURNISH & INSTALL R73-3 SIGN ON MASTARM OF POLE.
- FURNISH & INSTALL 6"x14" PREFORMED LOOP WITH 4 TURNS.
- CONSTRUCT 18" WIDE CONCRETE DRIVEWAY (X=3', Y=8') PER OCMA STANDARD PLAN I210.
- FURNISH & INSTALL CANTILEVER FLASHING BEACON TYPE 9 WITH FLUORESCENT LIGHTING, W41 AND W41A SIGNS PER CALTRANS STD. PLAN ES-9A & ES-9B.
- REMOVE EXISTING W17 SIGN AND FURNISH & INSTALL W41 SIGN ON EXISTING POST (SEE STRIPING PLAN).
- SANDBLAST & REMOVE EXISTING 'STOP' OFF THE PAVEMENT AND STENCIL 'SIGNAL AHEAD' ON THE PAVEMENT (SEE STRIPING PLAN).
- FURNISH & INSTALL EVP CABLE FROM END OF MASTARM TO CONTROLLER CABINET, TERMINATE EVP CABLE INTO SPECIAL FUNCTION ON LEFT CABINET WALL.
- STENCIL 'SIGNAL AHEAD' ON THE PAVEMENT (SEE STRIPING PLAN).
- FURNISH & INSTALL R61-19 SIGN ON MAST ARM.
- FURNISH & INSTALL NEW SV-3-TB MOUNTING HARDWARE WITH TWO TERMINAL BOXES.
- ALL LOOPS SHALL BE 5'x5' AND SEALED WITH HOT MELT RUBBERIZED ASPHALT (SEE LOOP DETAIL SHEET 22)



GENERAL NOTES:

SEE SHEET 25

LEGEND

- 1 PROTECT IN PLACE
- RS REMOVE & SALVAGE

AS-BUILT
INSP: B. HEDRICK
SUPVR. INSP: D. GOYA
CONTRACTOR: BAXTER/GRIFFIN
T.O.D.: 7/7/94
(COUNTY PORTION)

CITY OF ORANGE
APPROVED: [Signature] 10-12-93
TRAFFIC ENGINEER RTE DATE

RECORD DRAWING (A.M.) (CONSTRUCTION BY CITY OF ORANGE)	ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY SANTIAGO CANYON ROAD AT ORANGE PARK BLVD. SIGNAL PLAN
MARK DATE DESCRIPTION	PREPARED UNDER [Signature] SUPERVISION [Signature] RECEIVED [Signature] SCALE DATE AS SHOWN SEPT. 93 ERI0049
DESIGNED L. ABAD / T. PHAM	SHEET 27 OF 28