DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	74	2.65	30	30

REGISTERED CIVIL ENGINEER 6/30/00 — DATE

APPROVED BY COUNTY TRAFFIC ENGINEER 12/31/99 — DATE

PLANS APPROVED — DATE

PHASE DIAGRAM

LEGEND

- (AB) ABANDON
- (CB) INSTALL CONDUIT INTO EXISTING PULL BOX.
- (CC) CONNECT NEW AND EXISTING CONDUIT.
- (RC) EQUIPMENT TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR.
- (RS) REMOVE AND SALVAGE

POLE SCHEDULE

	POLE DATA		SIGNAL	H.P.S.V. LUMINAIRE		SIGNAL MOUNTING			FOUNDATION		REFLECTORIZED STREET NAME SIGN (DOUBLE FACE)
NO.	TYPE	HEIGHT	M.A.	M.A.	WATTS	VEH.	M.A.	PED.	TYPE	SIZE	
A	29A-5-70	35'	55'	15'	250	SV-1-T	2 MAS		C	3'-0"x8'-0"	Ortega Hwy.
B	1A	10'	—	—	—	TV-2-T	—		S	2'-0"x3'-0"	—
C	24A-3-70	35'	35'	15'	250	SV-1-T	2 MAS		C	2'-6"x8'-0"	●● La Pata Ave. →
D	1A	10'	—	—	—	TV-2-T	—		S	2'-0"x3'-0"	—
E	● 61A-5-129	35'	65'	15'	250	SV-1-T	2 MAS		C	3'-0"x15'-11"	Ortega Hwy.
F	1A	10'	—	—	—	TV-2-T	—		S	2'-0"x3'-0"	—
G	* 29A-5-70	35'	50'	15'	250	SV-1-T	2 MAS		C	3'-0"x8'-0"	●● Antonio Pkwy. →
H	1A	10'	—	—	—	TV-2-T	—		S	2'-0"x3'-0"	—

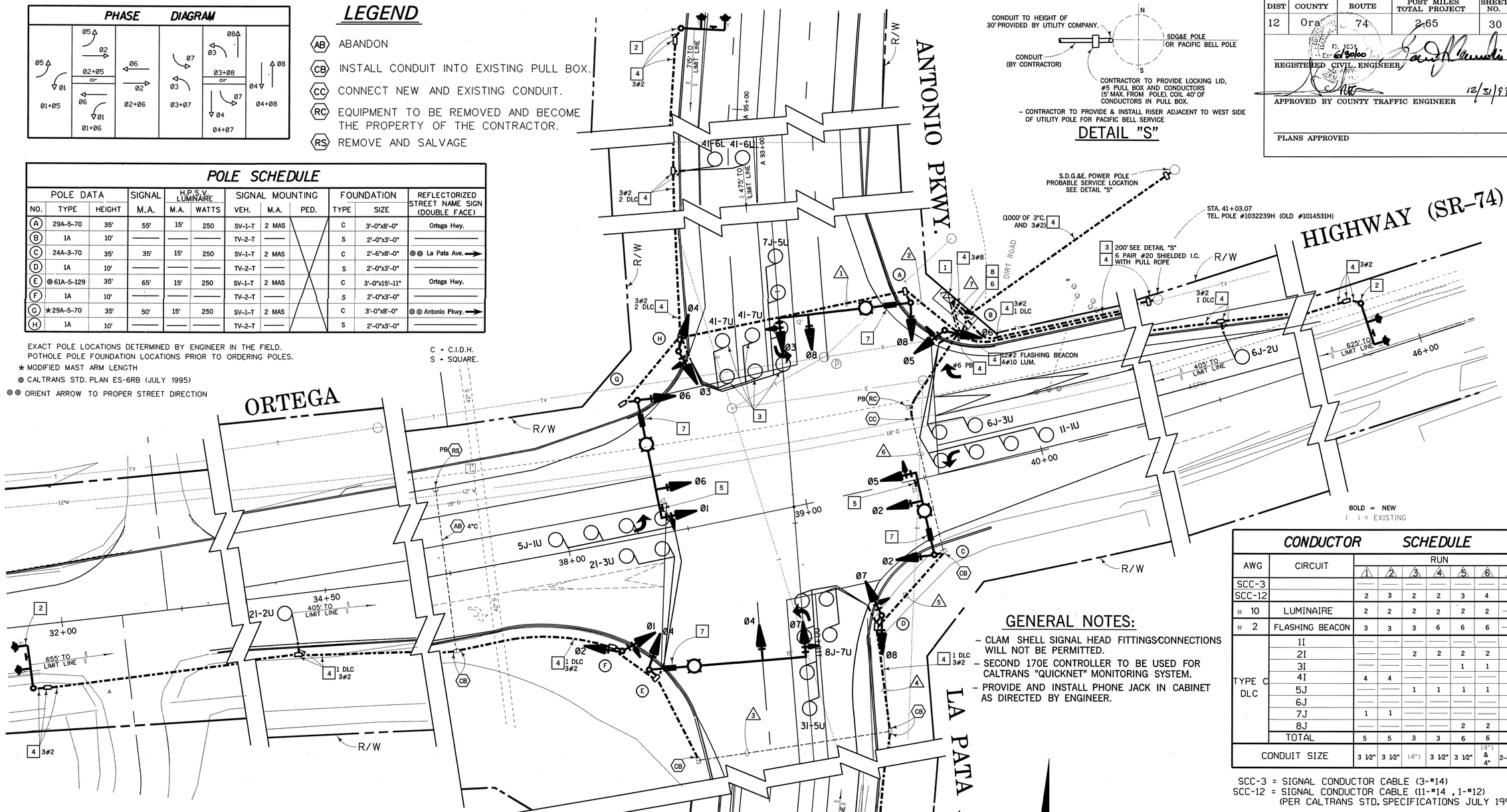
EXACT POLE LOCATIONS DETERMINED BY ENGINEER IN THE FIELD.
POTHOLE POLE FOUNDATION LOCATIONS PRIOR TO ORDERING POLES.

* MODIFIED MAST ARM LENGTH

● CALTRANS STD. PLAN ES-6RB (JULY 1995)

●● ORIENT ARROW TO PROPER STREET DIRECTION

C - C.I.D.H.
S - SQUARE.



– CONTRACTOR TO PROVIDE & INSTALL RISER ADJACENT TO WEST SIDE OF UTILITY POLE FOR PACIFIC BELL SERVICE

DETAIL "S"

GENERAL NOTES:

- CLAM SHELL SIGNAL HEAD FITTINGS/CONNECTIONS WILL NOT BE PERMITTED.
- SECOND 170E CONTROLLER TO BE USED FOR CALTRANS "QUICKNET" MONITORING SYSTEM.
- PROVIDE AND INSTALL PHONE JACK IN CABINET AS DIRECTED BY ENGINEER.

CONDUCTOR SCHEDULE

AWG	CIRCUIT	RUN 1	2	3	4	5	6	7
SCC-3		—	—	—	—	—	—	—
SCC-12		2	3	2	2	3	4	8
# 10	LUMINAIRE	2	2	2	2	2	2	—
# 2	FLASHING BEACON	3	3	3	6	6	6	—
TYPE C DLC	1I	—	—	—	—	—	—	1
	2I	—	—	2	2	2	2	2
	3I	—	—	—	—	1	1	1
	4I	4	4	—	—	—	—	4
	5J	—	—	1	1	1	1	1
	6J	—	—	—	—	—	—	2
	7J	1	1	—	—	—	—	1
	8J	—	—	—	—	2	2	2
	TOTAL	5	5	3	3	6	6	14
CONDUIT SIZE		3 1/2"	3 1/2"	(4")	3 1/2"	3 1/2"	(4") & 4"	2-3 1/2"

SCC-3 = SIGNAL CONDUCTOR CABLE (3-#14)
SCC-12 = SIGNAL CONDUCTOR CABLE (11-#14 , 1-#12)
(PER CALTRANS STD. SPECIFICATIONS JULY 1992)

CONSTRUCTION NOTES:

1. FURNISH & INSTALL TWO (2) CALTRANS MODEL 170 CONTROLLER ASSEMBLIES IN A FULLY WIRED TYPE 332 CABINET AND P.C.C. FOUNDATION AND LANDING.
2. FURNISH & INSTALL CANTILEVER FLASHING BEACON TYPE 9B WITH W41 SIGN, CONTROLLER ASSEMBLY, AND INCANDESENT LIGHTING FIXTURES WITH PHOTOELECTRIC CONTROL PER CALTRANS STANDARD PLAN ES-9A. WIRE FOR 24 HOUR ALTERNATING FLASHING OPERATION.
3. PROVIDE TELEPHONE SERVICE DROP FOR TRAFFIC MONITORING SYSTEM.
4. FURNISH & INSTALL 2" CONDUIT, #5 PULL BOX (UNLESS OTHERWISE NOTED) AND/OR CONDUCTORS AS INDICATED.
5. FURNISH & INSTALL R73-3 SIGN.
6. FURNISH & INSTALL A 120/240V TYPE III-CF SERVICE EQUIPMENT ENCLOSURE WITH THE FOLLOWING CIRCUIT BREAKERS: 1-50A-IP (METERED SIGNALS), 1-30A-IP (UNMETERED LIGHTING), AND 1-15A-IP (UNMETERED SPARE), 4-30A FLASHING BEACON WIRED FROM SECOND METER. LOCATE SERVICE CABINET A MINIMUM OF 10' FROM CONTROLLER CABINET. 100Amp. MAIN BREAKERS ARE REQUIRED.
7. FURNISH & INSTALL REFLECTORIZED STREET NAME SIGN.
8. CONSTRUCT P.C.C. FOUNDATION AND LANDING PER STATE STANDARD PLAN.

SCALE: 1" = 20'

CALTRANS - ELECTRICAL PERMIT No.			
SUBMITTED BY	REVIEWED BY	REVIEWED BY	DATE
			2-17-98

TRAFFIC SIGNAL PLAN

ORTEGA HIGHWAY (SR-74) AT ANTONIO PKWY/LA PATA AVE.
SCALE: 1" = 20'

NOTE: THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

CALCULATED BY	DATE	REVISED BY	DATE REVISED
DESIGNED BY	D.J.C. 6-97		
CHECKED BY	I.G.O. 6-97		

PROJECT ENGINEER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 00-00-00

ORM DC-OE-92-PF (REV. 3/88)

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3

CU 00000 EA 000000