EASI FILE CORP IRVINE CA
A495.9
EFH-24

POLE SCHEDULE (METER)

POLE DATA			SIGNAL	H.P.S.V. LUMINAIRE		SIGNAL MOUNTING			PED PUSH BUTTON		FOUNDATION			REFLECTORIZED STREET NAME SIGN (DOUBLE FACE)
NO.	TYPE	HEIGHT	M.A.	M.A.	WATTS	VEH.	M.A.	PED.	PHASE	POLE QUAD	TYPE	SIZE (m)	
①	TYPE 15	9.1	——	4.57	250	——	——	——	4	N	C	.76 x 1.5	——
②	1A	3.0	——	——	——	TV-1-T	——	• SP-1-CS	——	——	S	.61 x .61 x .92	——
③	29-5-129	9.1	16.8	4.57	250	SV-2-TB	3MAS	——	——	——	C	.92 x 2.8	← Plaza ×
④	17-3-129	9.1	6.1	4.57	250	SV-1-T	1MAS	• SP-1-CS	2	E	C	.76 x 2.4	⊠ Oso Parkway
⑤	24-4-129	9.1	10.7	4.57	250	SV-1-T	2MAS	• SP-1-CS	2	W	C	.92 x 2.4	× Plaza →
⑥	1A	3.0	——	——	——	TV-1-T	——	SP-1-CS	4	N	S	.61 x .61 x .92	——

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

C = C.I.D.H.
S = SQUARE.
• = 1992 CALTRANS STD. PLAN
× = REVERSE ARROW FOR OPPOSING APPROACH

⊠ = SINGLE FACE (METAL BACK PLATE).

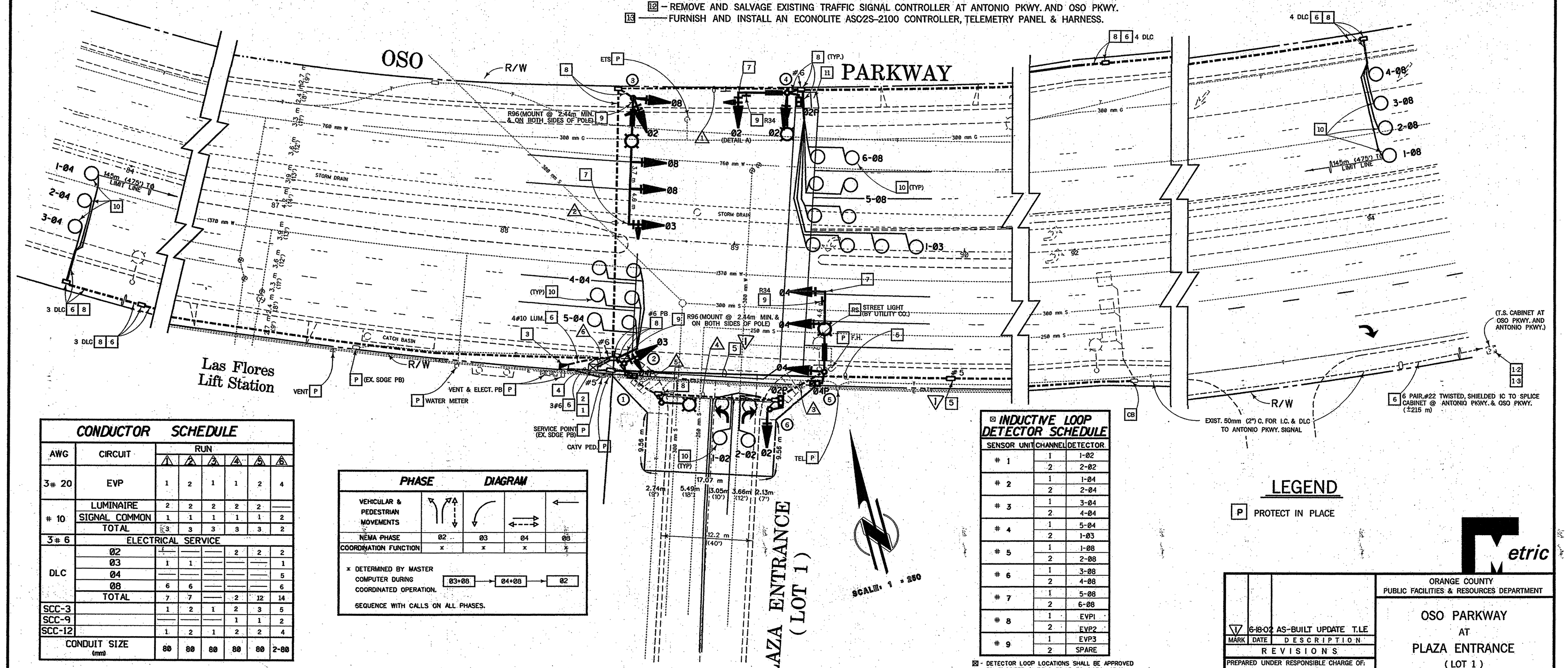
CONSTRUCTION NOTES:

1 —— CONSTRUCT P.C. CONCRETE CONTROLLER CABINET FOUNDATION.
2 — FURNISH & INSTALL TRAFFIC CONTROLLER IN A FULLY WIRED ALUMINUM CABINET PER THIS PLAN AND THE SPECIAL PROVISIONS. FACE CABINET DOOR TOWARDS OSO PARKWAY.
3 —— FURNISH & INSTALL TYPE III-B ELECTRICAL SERVICE & FOUNDATION.
4 — FURNISH & INSTALL 50 mm (2") CONDUIT, PULL ROPE OR 3#6 CONDUCTORS TO ELECTRICAL SERVICE AS DIRECTED BY UTILITY COMPANY INSPECTOR.
5 —— FURNISH & INSTALL 50mm (2") CONDUIT, NO. 5 PULL BOX, AND 6 PAIR #22 TWISTED, SHIELDED INTERCONNECT TELEPHONE CABLE FOR TELEPHONE SERVICE CONNECTION.
6 — FURNISH & INSTALL CONDUCTORS AS INDICATED.
7 —— FURNISH & INSTALL EVP CABLE FROM END OF MASTARM TO CONTROLLER CABINET AND COIL 3 m (10') OF CABLE INSIDE CONTROLLER CABINET.
8 — FURNISH & INSTALL 50 mm (2") CONDUIT AND/OR #5 PULL BOXES (UNLESS OTHERWISE NOTED).
9 —— FURNISH & INSTALL SIGN AND MOUNTING HARDWARE AS INDICATED.
10 — FURNISH AND INSTALL DETECTOR LOOPS AS SHOWN AND PER GENERAL NOTES SHEET 5.
11 —— CONSTRUCT ACCESS RAMP TYPE 4 PER O.C. PFRD STANDARD PLAN 1115.
12 — REMOVE AND SALVAGE EXISTING TRAFFIC SIGNAL CONTROLLER AT ANTONIO PKWY. AND OSO PKWY.
13 —— FURNISH AND INSTALL AN ECONOLITE ASC/2S-2100 CONTROLLER, TELEMETRY PANEL & HARNESS.

GENERAL NOTES:

SEE SHEET 5

– FOR SIGNING & STRIPING SEE SHEET 4.
– CONTRACTOR SHALL REMOVE ALL EXISTING #5 & #6 PULLBOX LIDS AND REPLACE THEM WITH NON-PCC LIDS IN CONFORMANCE WITH STANDARD SPECIFICATION.



CONDUCTOR SCHEDULE

AWG	CIRCUIT	RUN ①	②	③	④	⑤	⑥
3# 20	EVP	1	2	1	1	2	4
# 10	LUMINAIRE	2	2	2	2	2	——
	SIGNAL COMMON	1	1	1	1	1	2
	TOTAL	3	3	3	3	3	2
3# 6	ELECTRICAL SERVICE						
DLC	02	——	——	——	2	2	2
	03	1	1	——	——	——	1
	04	——	——	——	——	——	5
	08	6	6	——	——	——	6
	TOTAL	7	7	——	2	12	14
SCC-3		1	2	1	2	3	5
SCC-9		——	——	——	1	1	2
SCC-12		1	2	1	2	2	4
CONDUIT SIZE (mm)		80	80	80	80	80	2-80

PHASE DIAGRAM

VEHICULAR & PEDESTRIAN MOVEMENTS	①②	③	④	⑧
NEMA PHASE	02	03	04	08
COORDINATION FUNCTION	×	×	×	×

× DETERMINED BY MASTER COMPUTER DURING COORDINATED OPERATION. 03+08 → 04+08 → 02

SEQUENCE WITH CALLS ON ALL PHASES.

⊠ INDUCTIVE LOOP DETECTOR SCHEDULE

SENSOR UNIT	CHANNEL	DETECTOR
# 1	1	1-02
	2	2-02
# 2	1	1-04
	2	2-04
# 3	1	3-04
	2	4-04
# 4	1	5-04
	2	1-03
# 5	1	1-08
	2	2-08
# 6	1	3-08
	2	4-08
# 7	1	5-08
	2	6-08
# 8	1	EVP1
	2	EVP2
# 9	1	EVP3
	2	SPARE

⊠ - 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 COLORGATED EXTENSION AND DELAY CAPABILITY. OUTPUT "A" SHALL BE TIMED. OUTPUT "B" SHALL BE PRESENCE MODE FOR SYSTEM SAMPLING & COUNT OUTPUT ONLY.
- PROVIDE 14 SLOT DETECTOR RACK AND CARDS.

LEGEND

P PROTECT IN PLACE

Metric

ORANGE COUNTY
PUBLIC FACILITIES & RESOURCES DEPARTMENT

OSO PARKWAY
AT
PLAZA ENTRANCE
(LOT 1)

SIGNAL PLAN

MARK	DATE	DESCRIPTION
		REVISIONS
V	6-802	AS-BUILT UPDATE T.LE

PREPARED UNDER RESPONSIBLE CHARGE OF:

REGISTERED PROFESSIONAL ENGINEER — ABBEY F. ABAD — No. 59374 — Exp. 12-31-03 — STATE OF CALIFORNIA

LARRY ABAD
TRAFFIC ENGINEERING - SIGNAL DESIGN SECTION
RCE 59374

DATE 6/8/00

DESIGNED	T. PHAM		
DRAWN	T. PHAM /KY NG.	CHECKED	L. ABAD
SCALE	DATE	DRAWING NO.	SHEET
AS SHOWN	MAR. 2000	ER10150	3 OF 5