

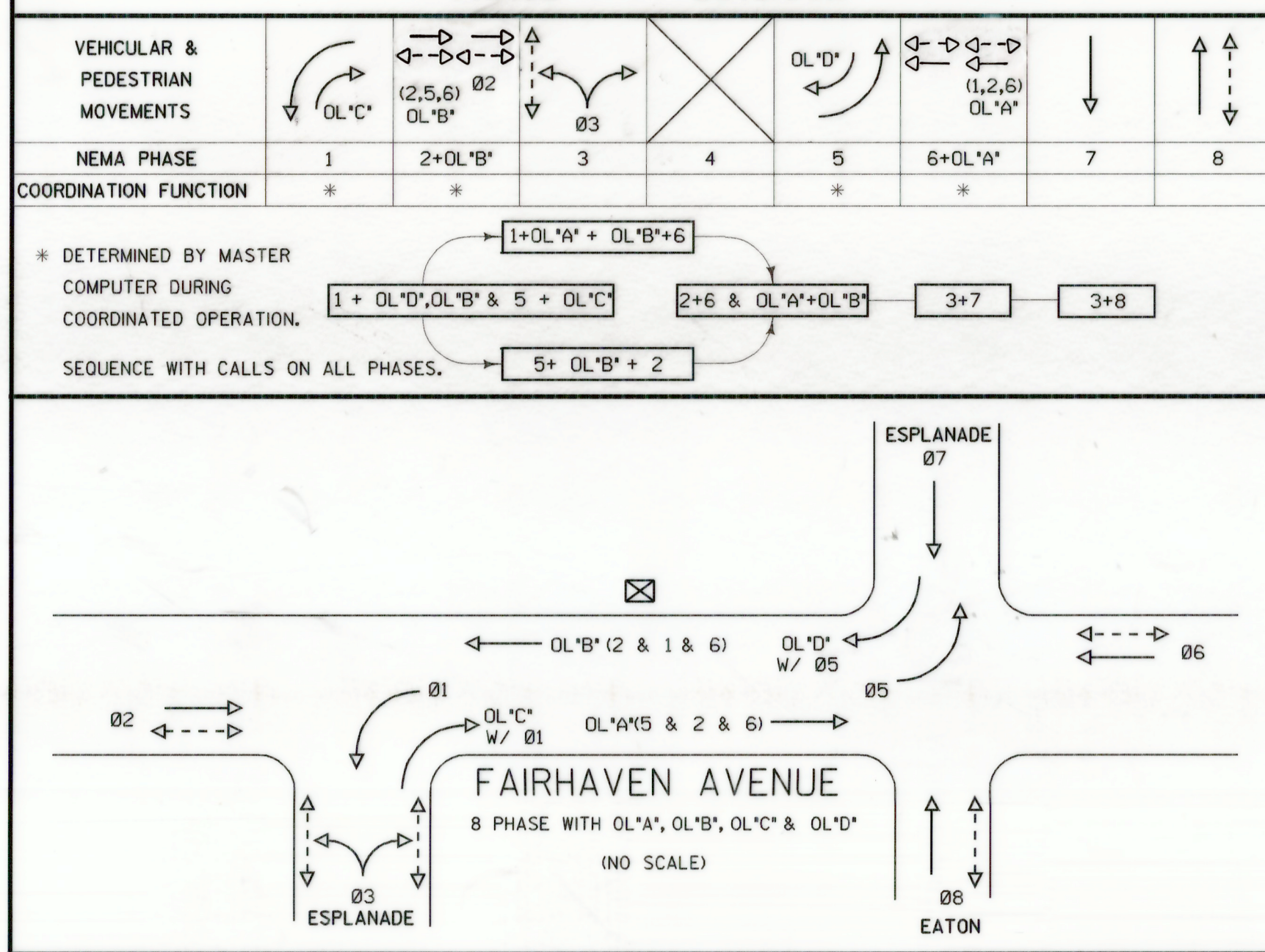
POLE SCHEDULE

POLE DATA			SIGNAL		H.P.S. LIGHTS		M.A.		M.A.		WATTS		VEH.		M.A.		PED.		P.P.B.		FOUNDATION		REFLECTORIZED	
NO.	TYPE	HEIGHT	M.A.	M.A.	M.A.	M.A.	M.A.	M.A.	M.A.	M.A.	M.A.	M.A.	M.A.	M.A.	M.A.	M.A.	M.A.	M.A.	M.A.	M.A.	M.A.	M.A.	M.A.	M.A.
1	19-4-129	30'	35'	15'	200	*	SV-1-T	2MAS	SP-1-CS	8	W	C	3'0" x 8'10"	Eton										
2	1-A	10'	--	--	--	--	TV-1-T	--	SP-1-CS	6	N	S	2'0" x 3'0"	Fairhaven										
3	17-3-129	30'	15'	8'	200	*	SV-1-T	MAS	--	6	N	C	3'0" x 8'10"	Fairhaven										
4	1-A	10'	--	--	--	--	TV-1-T	--	SP-1-CS	--	--	S	2'0" x 3'0"	Esplanade										
5	18-4-129	17'	25'	--	--	--	SV-1-T	2MAS	SP-1-CS	--	--	C	3'0" x 8'10"	Esplanade										
6	1-A	10'	--	--	--	--	TV-2-T (5 SECTION)	--	--	6	S	S	2'0" x 3'0"	Fairhaven										
7	19-3-129	30'	30'	15'	200	*	SV-1-T	MAS	SP-1-CS	2	S	C	3'0" x 8'10"	Fairhaven										
8	1-A	10'	--	--	--	--	TV-1-T	--	SP-1-CS	8	W	S	2'0" x 3'0"	Esplanade										
9	17-3-129	30'	20'	15'	200	*	SV-1-T	MAS	SP-1-CS	3	W	C	3'0" x 8'10"	Esplanade										
10	1-A	10'	--	--	--	--	TV-1-T (5 SECTION)	--	SP-1-CS	2	N	S	2'0" x 3'0"											
11	15	30'	--	15'	200	--	--	--	SP-1-CS	2	N	C	2'6" x 5'0"											
12	15	30'	--	15'	200	--	--	--	SP-1-CS	3	E	C	2'6" x 5'0"											
13	23-4-129	17'	35'	--	--	--	SV-2-TD	2MAS	SP-1-CS	3	E	C	3'0" x 8'10"	Fairhaven										
14	1A	10'	--	--	--	--	TV-1-T	--	--	--	--	S	2'0" x 3'0"	Esplanade										
15	1A	10'	--	--	--	--	TV-1-T	--	SP-1-CS	3	E	S	2'0" x 3'0"											

* CONTRACTOR TO PROVIDE AND INSTALL EXTERIOR MOUNTED GLARE SHIELD.

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

PHASE DIAGRAM



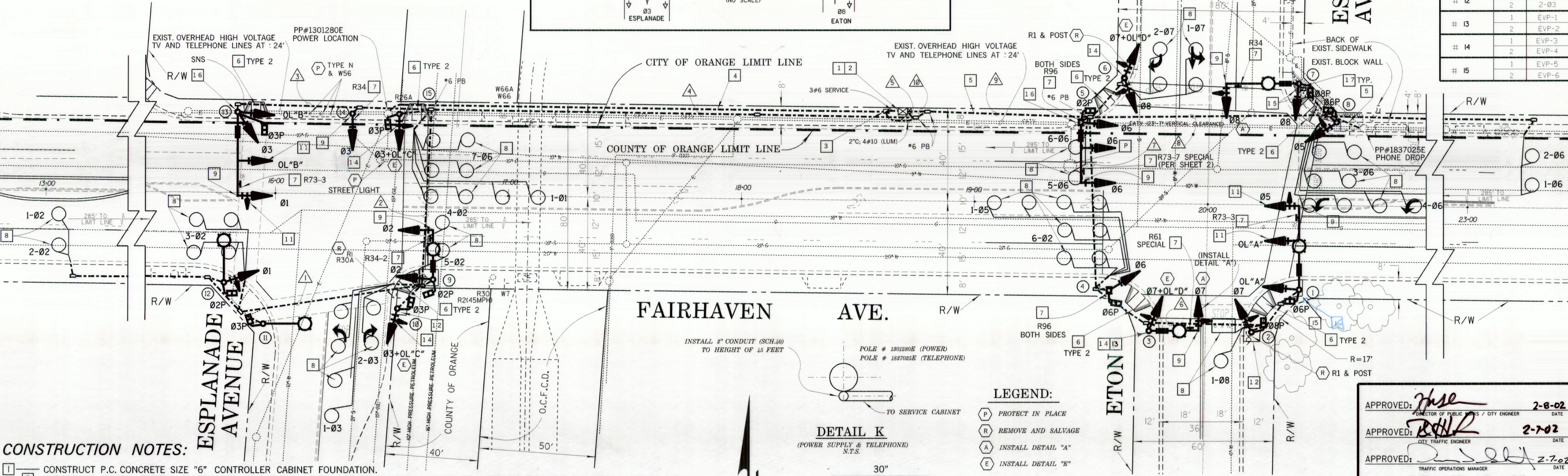
CONDUCTOR SCHEDULE

AWG	CIRCUIT	1	2	3	4	5	6	7	8	9	10
3#20	EVP	1	1	1	2	2	1	1	1	4	4
	SIGNAL COMMON	1	1	1	2	2	1	1	1	4	4
	LUMINAIRE	2	2	2	4	4	2	2	2	2	2
	TOTAL	3	3	1	6	2	3	3	3	6	2
	01	1	1	1	1	1	1	1	1	1	1
	02	3	5	5	5	5	2	2	2	2	2
	03	2	2	2	2	2	1	1	1	1	1
	04	1	1	1	1	1	1	1	1	1	1
	05	1	1	1	1	1	1	1	1	1	1
	06	1	1	1	1	1	1	1	1	1	1
	07	1	1	1	1	1	1	1	1	1	1
	08	1	1	1	1	1	1	1	1	1	1
	TOTAL	3	7	9	9	1	5	4	12	12	12
	CSC-3	2	4	1	5	5	2	3	2	7	7
	CSC-5	2	2	2	2	1	1	1	1	1	1
	CSC-12	2	1	4	4	1	2	2	6	6	6
	CONDUIT SIZE	3"	3"	3"	4"	4"	3"	3"	3"	4"	4"

* 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 COLORED EXTENSION AND DELAY CAPABILITY. OUTPUT "A" SHALL BE TIMED. OUTPUT "B" SHALL BE PRESENCE MODE FOR SYSTEM SAMPLING ONLY.

INDUCTIVE LOOP DETECTOR SCHEDULE

SENSOR UNIT	CHANNEL	DETECTOR
# 1	1	1-05
	2 (1)	SPARE
# 2	1	1-02
	2 (2)	2-02
# 3	1	3-02
	2	4-02
# 4	1 (3)	5-02
	2	6-02
# 5	1 (4)	1-01
	2	SPARE
# 6	1	1-06
	2	2-06
# 7	1	3-06
	2	4-06
# 8	1	5-06
	2	6-06
# 9	1	7-06
	2	SPARE
# 10	1	1-07
	2	2-07
# 11	1	1-08
	2	SPARE
# 12	1	1-03
	2	2-03
# 13	1	EVP-1
	2	EVP-2
# 14	1	EVP-3
	2	EVP-4
# 15	1	EVP-5
	2	EVP-6



CONSTRUCTION NOTES:

- CONSTRUCT P.C. CONCRETE SIZE "6" CONTROLLER CABINET FOUNDATION.
- FURNISH & INSTALL TRAFFIC CONTROLLER IN A FULLY WIRED SIZE "6" ALUMINUM CABINET WITH AN EXTERIOR MOUNTED CABINET FOR BATTERY BACKUP SYSTEM PER THIS PLAN AND THE SPECIAL PROVISIONS. FACE CABINET DOOR TOWARDS FAIRHAVEN AVENUE.
- FURNISH & INSTALL TYPE III-B ELECTRICAL SERVICE CABINET WITH A 100A MAIN, 50A SIGNAL, 30A (UNMETERED) STREET LIGHTING WITH TYPE V PHOTOCCELL (IN THE BREAKER AREA OF THE CABINET) AND FOUNDATION.
- FURNISH & INSTALL 3" CONDUIT, 3#6 CONDUCTOR FOR ELECTRICAL SERVICE CONNECTION PER DETAIL K OF THIS SHEET.
- FURNISH & INSTALL 6 PAIR #22 TWISTED, SHIELDED INTERCONNECT TELEPHONE CABLE FOR TELEPHONE SERVICE CONNECTION.
- CONSTRUCT WHEELCHAIR ACCESS RAMP PER OCPFRD STD. PLAN 1115 AS INDICATED.
- FURNISH & INSTALL SIGN AS INDICATED.
- FURNISH AND INSTALL DETECTOR LOOPS AS INDICATED.
- FURNISH AND INSTALL EVP CABLE FROM END OF MASTARM TO CONTROLLER CABINET AND COIL 10' OF CABLE INSIDE OF CABINET.
- CLEAR VEGETATION TO R/W LIMITS.
- PROVIDE AND INSTALL DIRECTIONAL LOUVER PER CALTRANS STD. PLAN ES-4C. INDICATION TO BE VISIBLE CONTINUOUSLY COMMENCING 460 FEET FROM INDICATION.
- CONSTRUCT 5' WIDE P.C.C. SIDEWALK AT CURB RETURN PER EMA STANDARD PLAN 1111.
- FURNISH AND INSTALL BANDSTRAP AT TOP OF SIGNAL INDICATION FRAME TO SIGNAL POLE.
- PROVIDE AND INSTALL BRONZE TERMINAL BLOCKS ON ALL 5-SECTION HEADS.
- REMOVE AND RECONSTRUCT IRRIGATION LINE TO BACK OF ACCESS RAMP.
- PROVIDE AND INSTALL RSNS MASTARM TO POLE SHAFT.
- CONSTRUCT 4" THICK CONCRETE PAD TO EXISTING SIDEWALK.

GENERAL NOTES:

- SEE SHEET 5 FOR ADDITIONAL SIGNING & STRIPING
- SEE SHEET 6 FOR ADDITIONAL NOTES
- POTHOLE UTILITIES AND PETROLEUM LINES PRIOR TO ANY DRILLING OR EXCAVATION.

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

APPROVED: *[Signature]* 2-8-02
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER DATE

APPROVED: *[Signature]* 2-7-02
CITY TRAFFIC ENGINEER DATE

APPROVED: *[Signature]* 2-7-02
TRAFFIC OPERATIONS MANAGER DATE

CITY OF ORANGE

ORANGE COUNTY
PUBLIC FACILITIES & RESOURCES DEPARTMENT

FAIRHAVEN AVENUE
AT
ESPLANADE AV. AND ETON PL.

SIGNATURE

DATE

OF 6