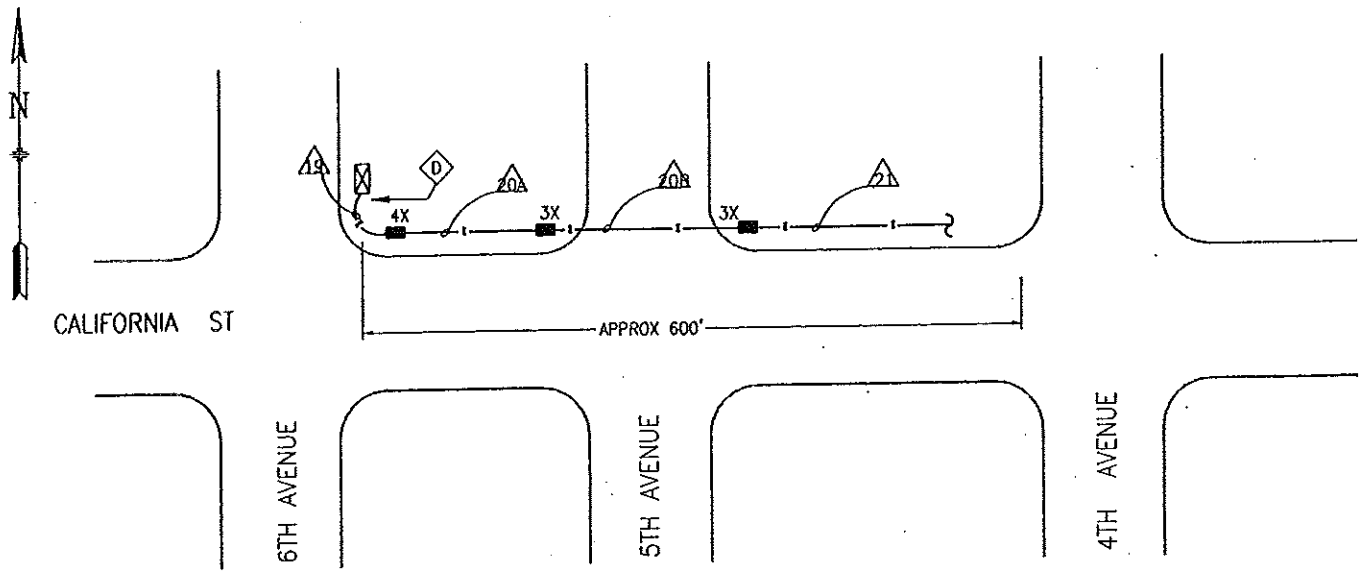
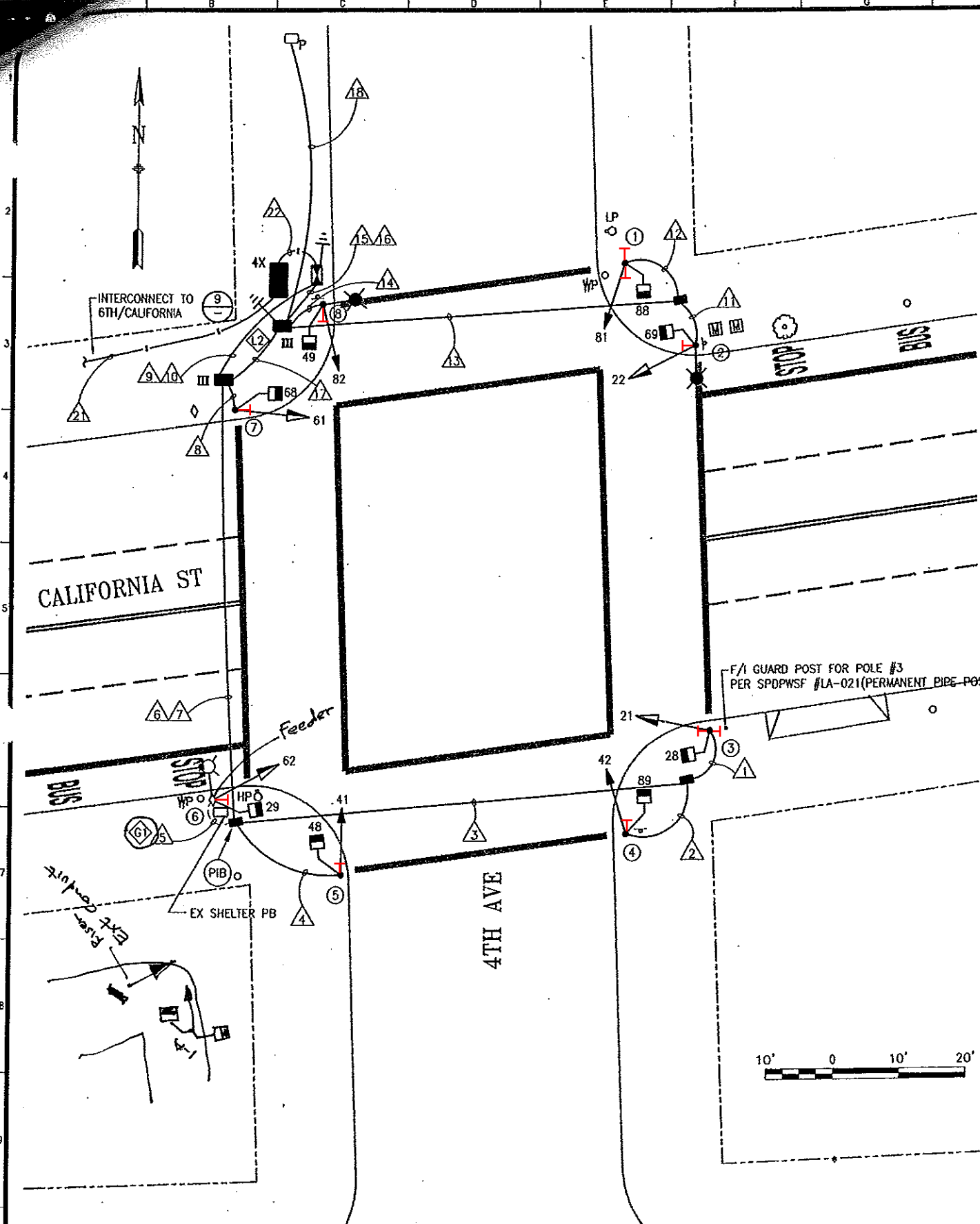




INTERCONNECT WIRING

DETAIL 9
NOT TO SCALE

DETAIL NOTES:

- ① CHIP EX FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF STANDARD OR CONTROLLER CABINET AND REPAIR AFTER INSTALLATION.
- ⑥ CAREFULLY DRILL POLE AND INSTALL CONDUIT NIPPLE FOR THE TRAFFIC SIGNAL WIRING ENTRY. SEAL UNUSED HOLE(S) WITH NON SHRINK GROUT.
- ⑦ VEHICLE AND PEDESTRIAN SIGNALS SHALL USE NEW EXTERNAL CONDUIT. SURFACE MOUNTED CONDUIT SHALL BE INSTALLED ON THE SIDE OPPOSITE THE ROADWAY OR INTERSECTION.
- ② F/I IN-LINE FUSE HOLDER W/ 40A FUSE FOR IC SERVICE.

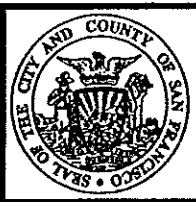
SIGNALS ACTIVATED WED 1-19-05 1110 (FLASHING) ← SIGNAL SHOP: PN, NR
TURN-ON FRI 1-21-05 1215 (3-COLOR) ← ENGRG: ET
SIGNAL SHOP: JN
ENGRG: ET



NO.	DATE	DESCRIPTION	BY	APP.
(1)	4/12/22	INSTALL APS (SRC 2021-201) E.LUU; G.DE LEON		

TABLE OF REVISIONS
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED:	DATE:	APPROVED
WN/BC	9/02	<i>[Signature]</i> 10/5/02
DRAWN:	DATE:	SECTION MANAGER
JE/BN	9/02	<i>[Signature]</i> 10/10/02
CHECKED:	DATE:	DEPUTY MANAGER
BC	9/02	<i>[Signature]</i> 10/10/02
		CITY ENGINEER

SCALE:
1" = 20'
SHEET OF SHEETS
7 OF 22

CONTRACT 55
NEW TRAFFIC SIGNALS
4TH AVE. AND CALIFORNIA ST.

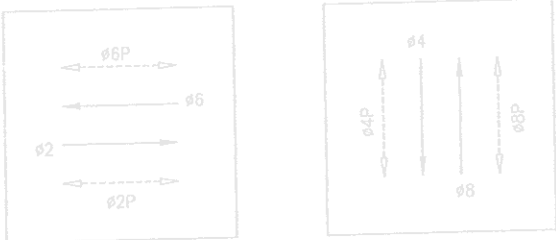
SPECIFICATION NO.	0494J
DRAWING NO.	E-1.0
FILE NO.	80093
REV. NO.	1

Drawing Path: V:\0494\0155\035 E-dwg\1002-0494J_E01.Dwg. Login: wng
Plot Time: Wed, 02 Oct 2002 3:12pm Measurement Units are English

CONDUIT AND WIRING SCHEDULE (FURNISH AND INSTALL CONDUIT AND WIRES)																							
CONDUIT RUN NUMBER		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
CONDUIT SIZE (INCH)		2	2	2	2	2	2	2	2	3	2	2	2	2	2	3	2	2	2	3			3
CONDUIT SIZE (mm)		53	53	53	53	53	53	53	53	76	53	53	53	53	53	76	53	53	53	76			76
NOTES						EX					SP												
	#14 WIRES																						
	SIGNAL 21	3		3			3			3													
	SIGNAL 28	2		2			2			2													
	SIGNAL 42		3	3			3			3													
	SIGNAL 89		2	2			2			2													
	SIGNAL 41				3		3			3													
	SIGNAL 48				2		2			2													
	SIGNAL 62					3	3			3													
	SIGNAL 29					2	2			2													
	SIGNAL 61								3	3													
	SIGNAL 68								2	2													
	SIGNAL 22											3		3		3							
	SIGNAL 69											2		2		2							
	SIGNAL 81												3	3		3							
	SIGNAL 88												2	2		2							
	SIGNAL 82															3	3						
	SIGNAL 49															2	2						
	#14 WIRES (NEUTRAL)	2	2		2	2			2			2	2		2								
	#14 WIRES (SPARE)			3			3			3				3		3							
	TOTAL #14 WIRES	7	7	13	7	7	20		7	28		7	7	13	7	18							
	#10 WIRES (NEUTRAL)			1			2			2				1		2							
	#8 WIRES (120V SERVICE)																2		2				
	#8 WIRES STREET LIGHT							2						2				2					
	#10 WIRES STREET LIGHT											2			2								
	DLW																						
	DLC																						
	#6 BSCW																1						
	12-CONDUCTOR CABLE																			1	1	1	1

POLE AND EQUIPMENT SCHEDULE										
POLE No.	TYPE OF POLE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
		No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
①	1-A (10')	81	3S8"	TV-1	T		88	1S-COUNT	SP-1	APS-3W x 2
②	SL (120 VOLTS/150 WATTS)	22	3S12"	SV-1-T	T		69	1S-COUNT	SP-1	APS-3W PREEMPT & NETWORK RADIOS
③	1-A (10')	21	3S12"	TV-1-T	T		28	1S-COUNT	SP-1	APS-3W x 2
④	1-A (10')	42	3S8"	TV-1	T		89	1S-COUNT	SP-1	APS-3W
⑤	1-A (10')	41	3S8"	TV-1	T		48	1S-COUNT	SP-1	APS-3W
⑥	EX SL/MUNI (FEEDER)	62	3S12"	SV-1-T	T		29	1S-COUNT	SP-1-T	EXTERNAL CONDUIT APS-3W
⑦	1-A (10')	61	3S12"	TV-1-T	T		68	1S-COUNT	SP-1	APS-3W
⑧	SL (120 VOLTS/150 WATTS)	82	3S8"	SV-1-T	T		49	1S-COUNT	SP-1	APS-3W

PHASE DIAGRAM



PHASE SEQUENCE

G	Y	R	CALIFORNIA ST
R	G	Y	4TH AVE
WM	FRH	RH	PED XING 4TH AVE
RH	WM	FRH	PED XING CALIFORNIA ST

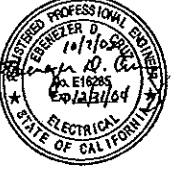


(1) 4/12/22 Install APS (SRC 2021-201) Per Field: Add Preempt/Network Equipment, E.Lut: G.de Leon	
NO.	DATE
TABLE OF REVISIONS CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION	

REFERENCE INFORMATION & FILE NO. OF SURVEYS
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BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: 9/02	APPROVED: DATE: 10/2/02
WM/BC	SECTION MANAGER
DRAWN: DATE: 9/02	DATE: 10/2/02
JE	DEPUTY MANAGER
CHECKED: DATE: 9/02	DATE: 10/2/02
BC	CITY ENGINEER

SCALE: NONE
SHEET OF SHEETS: 8 OF 22

CONTRACT 55 NEW TRAFFIC SIGNALS
4TH AVE. & CALIFORNIA ST. SCHEDULE

SPECIFICATION NO. 0494J
DRAWING NO. E-1.1
FILE NO. 80094
REV. NO. 1

Drawing Path: V:\0494J\055 E-dwg\100%-0494J_E01.dwg, Login: wng
Plot Time: Wed, 02 Oct 2002 - 3:18pm
Dimension Scale: 120
Model Units: Undefined