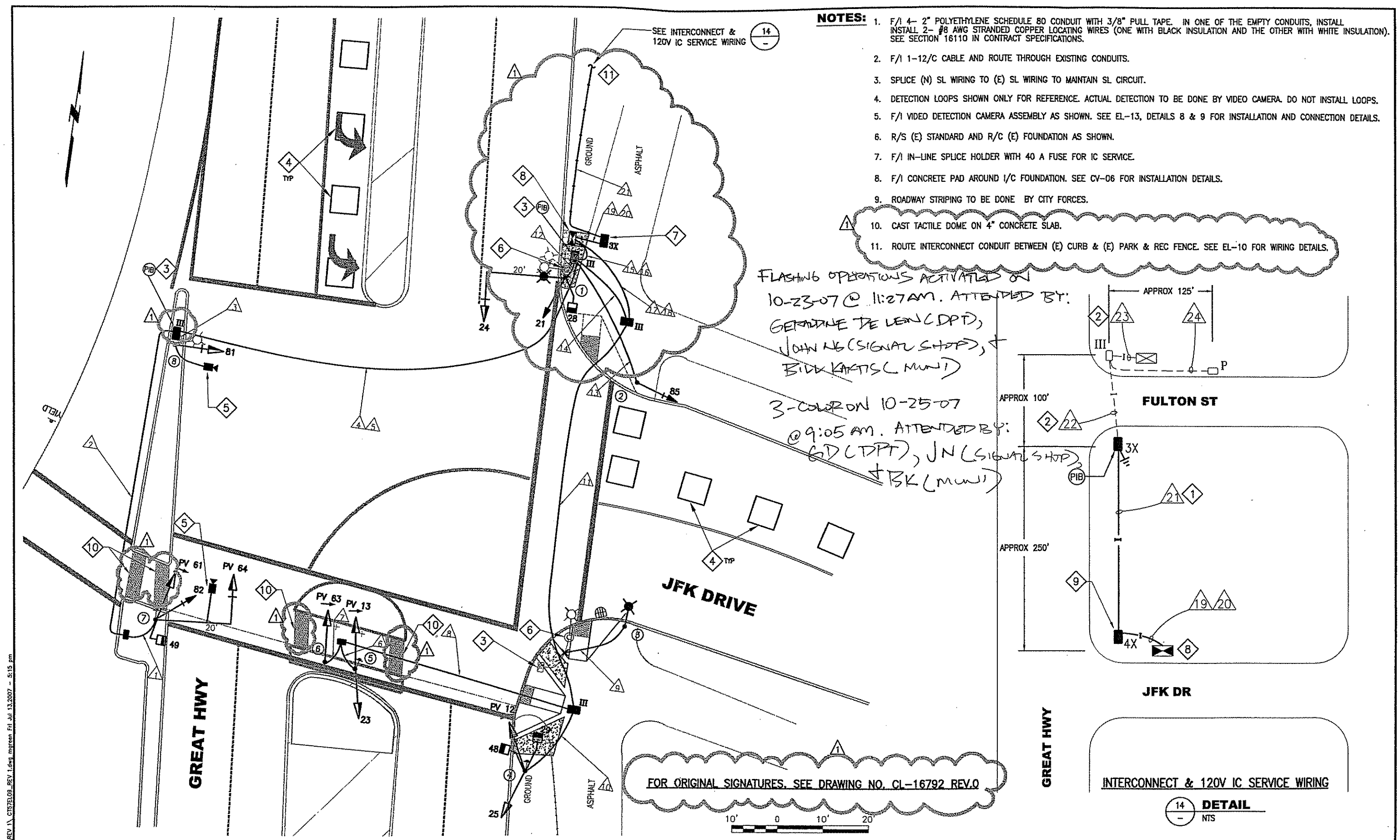


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- NOTES:**
1. F/I 4-2" POLYETHYLENE SCHEDULE 80 CONDUIT WITH 3/8" PULL TAPE. IN ONE OF THE EMPTY CONDUITS, INSTALL 2- #8 AWG STRANDED COPPER LOCATING WIRES (ONE WITH BLACK INSULATION AND THE OTHER WITH WHITE INSULATION). SEE SECTION 16110 IN CONTRACT SPECIFICATIONS.
 2. F/I 1-12/C CABLE AND ROUTE THROUGH EXISTING CONDUITS.
 3. SPLICE (N) SL WIRING TO (E) SL WIRING TO MAINTAIN SL CIRCUIT.
 4. DETECTION LOOPS SHOWN ONLY FOR REFERENCE. ACTUAL DETECTION TO BE DONE BY VIDEO CAMERA. DO NOT INSTALL LOOPS.
 5. F/I VIDEO DETECTION CAMERA ASSEMBLY AS SHOWN. SEE EL-13, DETAILS 8 & 9 FOR INSTALLATION AND CONNECTION DETAILS.
 6. R/S (E) STANDARD AND R/C (E) FOUNDATION AS SHOWN.
 7. F/I IN-LINE SPLICE HOLDER WITH 40 A FUSE FOR IC SERVICE.
 8. F/I CONCRETE PAD AROUND I/C FOUNDATION. SEE CV-06 FOR INSTALLATION DETAILS.
 9. ROADWAY STRIPING TO BE DONE BY CITY FORCES.
 10. CAST TACTILE DOME ON 4" CONCRETE SLAB.
 11. ROUTE INTERCONNECT CONDUIT BETWEEN (E) CURB & (E) PARK & REC FENCE. SEE EL-10 FOR WIRING DETAILS.

FLASHING OPERATIONS ACTIVATED ON
10-23-07 @ 11:27AM. ATTENDED BY:
GERARDINE DE LENC (DPT),
JOHN NG (SIGNAL SHOP),
BILLY KARTIS (MUNI)

3-COLOR ON 10-25-07
@ 9:05 AM. ATTENDED BY:
GD (DPT), JN (SIGNAL SHOP),
BK (MUNI)

REVISIONS			
NO.	DATE	DESCRIPTION	REVISION
3	7-13-07	F/I TYPE III PB (VS TYPE I) ON MEDIAN. F/I TYPE 3X PB (VS 4X) BY (N) IC.	MG GD TQ
2	7-13-07	CAST (VS GLUE) TACTILE DOMES ALONG SOUTHERN PEDESTRIAN CROSSWALK.	MG GD TQ
1	7-13-07	RELOCATE IC AND CONDUIT RUNS 15-20.	MG GD TQ

DESIGNED	MEGHAN GREEN
DRAWN	MEGHAN GREEN
CHECKED	QINGWEN XI
REVIEWED	JIM WEN
RECOMMENDED	MEGHAN GREEN
APPROVED	WILLIAM NELSON
DATE	



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED

for the DIRECTOR of TRANSPORTATION

NEW TRAFFIC SIGNALS PROJECT 57		CONTRACT 1217
TRAFFIC SIGNAL WORK GREAT HWY & JFK DR		DRAWING CL-16792
		REVISION EL-09 EL-13
		1

CONDUIT AND WIRING SCHEDULE																													
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	23	24					
CONDUIT SIZE (INCH)	2	2	EX	3	2	2	2	3	1.5	2	3	2	2	2	3	2	3	2	3	2	4x2	EX	EX	EX					
NOTES					SP				GRSC SL						SP		SP		SP			1	2	2					
WIRING (E/I)	#14 WIRES																												
	PED SIGNAL 49	2	2		2											2													
	VEH SIGNAL 61	3	3		3											3													
	VEH SIGNAL 64	3	3		3											3													
	VEH SIGNAL 82	3	3		3											3													
	PPB	2	2		2											2													
	VEH SIGNAL 81			3	3											3													
	VEH SIGNAL 13					3		3				3						3											
	VEH SIGNAL 23					3		3				3						3											
	PPB					2		2				2						2											
	VEH SIGNAL 63						3	3				3						3											
	VEH SIGNAL 12										3	3						3											
	PED SIGNAL 29										2	2						2											
	PED SIGNAL 48										2	2						2											
	VEH SIGNAL 25										3	3						3											
	PPB										2	2						2											
	VEH SIGNAL 21												3			3													
	VEH SIGNAL 24												3			3													
	PED SIGNAL 28												2			2													
	VEH SIGNAL 85													3		3													
	#14 NEUTRAL	3		1			1	1			3		3	1															
	#14 SPARE		3		3				3			3				3		3											
	TOTAL #14 WIRES	16	16	4	19		9	4	14		15	26	11	4		30		26											
	#10 WIRES NEUTRAL		1		2				1			2				3		2											
	STREET LIGHT #10 WIRE									2			2																
	STREET LIGHT #8 WIRE																												
	#8 WIRES (120V SERVICE)																				2	2	2					2	
	#6 BSCW (SEE SHEET NOTE 3)																												
12/C INTERCONNECT																			1		1	1	1						
VIDEO DETECTION CABLE (Ø 1)	1	1		1											1														
VIDEO POWER CABLE (Ø 1)	1	1		1											1														
VIDEO DETECTION CABLE (Ø 8)				1	1										1														
VIDEO POWER CABLE (Ø 8)				1	1										1														

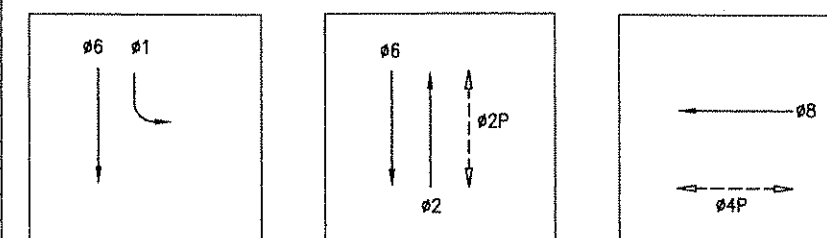
NOTES:

- F/I 4- 2" POLYETHYLENE SCHEDULE 80 CONDUIT WITH 3/8" PULL TAPE. IN ONE OF THE EMPTY CONDUITS, INSTALL 2- #8 AWG STRANDED COPPER LOCATING WIRES (ONE WITH BLACK INSULATION AND THE OTHER WITH WHITE INSULATION). SEE SECTION 16110 IN CONTRACT SPECIFICATIONS.
- F/I 1-12/C CABLE AND ROUTE THROUGH (E) CONDUITS.
- SEE GROUNDING LAYOUT ON EL-12, DETAIL 5 AND SECTION 16120 IN CONTRACT SPECIFICATIONS.
- F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL. F/I FUSE AND FUSE HOLDERS PER SPDWSF 49,092.

POLE AND EQUIPMENT SCHEDULE												
POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/WATTAGE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS	
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING		
①	17B-1-70 W/ 20' MASTARM AND 6' LUMINAIRE		21	POLY3S8"	SV-1-T	T		28	1S-COUNT	SP-1	POLY-BP	
			24	POLY3S12"	MAS	T						
②	1-A (10')		85	POLY3S8"	TV-1 -T	T					POLY-BP	
③	SL	HPS 120V/200W 4										
④	1-A (13') 15'		25	POLY3S12"	SV-2-TA	T		29	1S-COUNT	SP-1	VEHICLE SIGNAL MOUNTING ON NORTH SIDE OF POLE PPB ✖	
			12	PV3S12"LA		T			1S-COUNT	SP-1		
⑤	1-A (13')		13	PV3S12"LA	SV-2-TA	T					VEHICLE SIGNAL MOUNTING ON SOUTH SIDE OF POLE PPB ✖	
			23	POLY3S12"		T						
⑥	1-A (13')		63	PV3S12"	SV-1-T	T					VEHICLE SIGNAL MOUNTING ON SOUTH SIDE OF POLE ✖	
⑦	16-1-70 W/ 20' MASTARM		61	PV3S12"	SV-2-T-SF	T		49	1S-COUNT	SP-1	PPB POLY-BP BP	
			82	POLY3S8"		T						
			64	PV3S12"		MAS						T
⑧	EX. SL		81	POLY3S12"	SV-1-T	T					POLY-BP	

*CONTRACTOR DIRECTED TO INSTALL POLE CAPS

PHASE DIAGRAM



PHASE SEQUENCE

<-G	<-Y	<-R		GREAT HIGHWAY SBLT
R	G	Y	R	GREAT HIGHWAY NB
	G	Y	R	GREAT HIGHWAY SB
	R		G	JFK DRIVE
RH	WM	FRH	RH	PED XING JFK DRIVE (E/S)
	RH	WM	FRH	PED XING GREAT HIGHWAY (S/S)

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NO. DATE DESCRIPTION REVISIONS 1. 03/05/05				DESIGNED: [Signature] CHECKED: [Signature] REVIEWED: [Signature] APPROVED: [Signature]		REGISTERED PROFESSIONAL ENGINEER No. E 17325 EXP. 4/30/06 ELECTRICAL STATE OF CALIFORNIA		CITY AND COUNTY OF SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY APPROVED for the DIRECTOR of TRANSPORTATION		NEW TRAFFIC SIGNALS PROJECT 57 CONDUIT, WIRING AND EQUIPMENT SCHEDULES GREAT HWY & JFK DR		CONTRACT 1217 DRAWING CL-NO EL-10 EL-13 0	
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