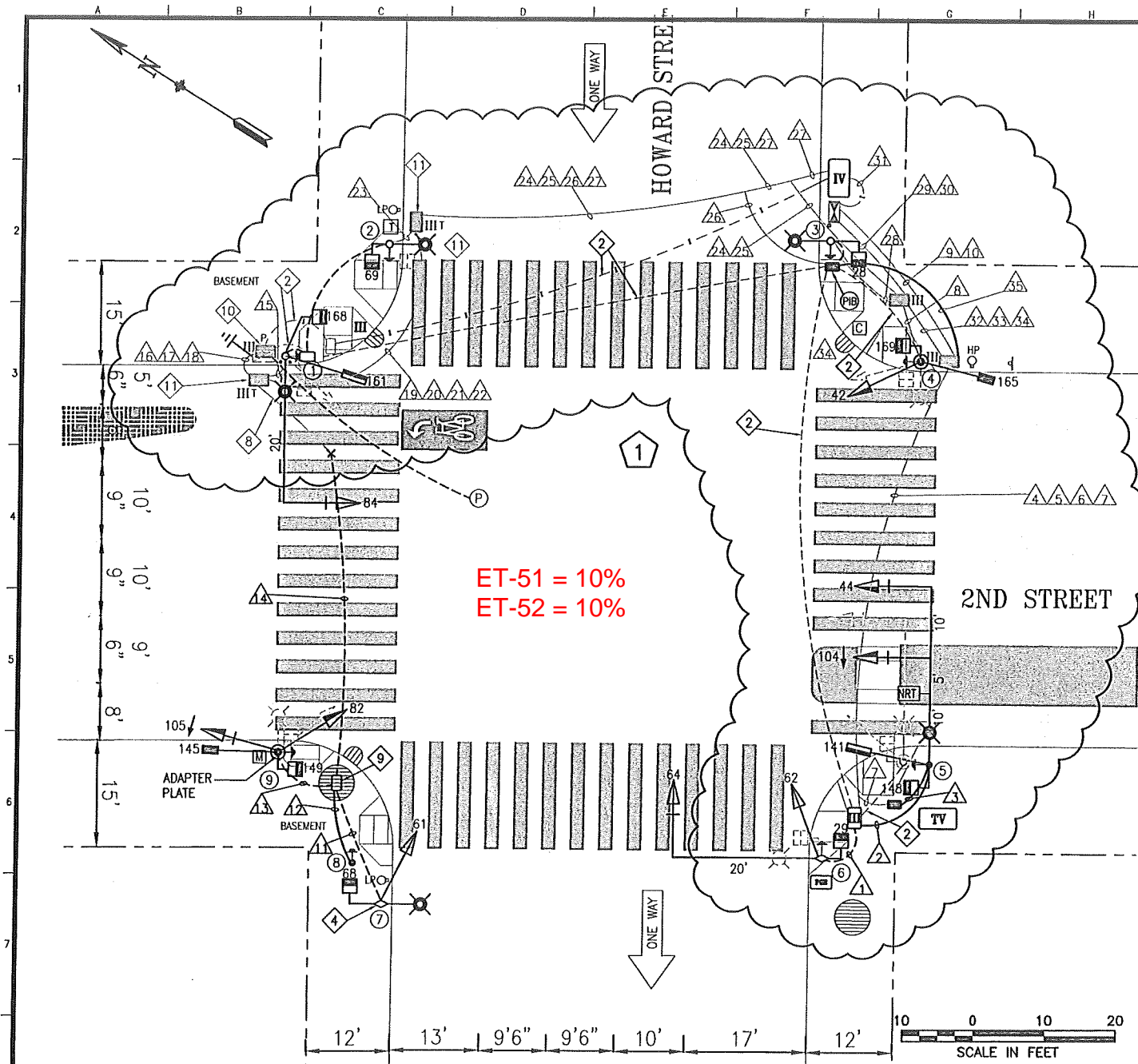
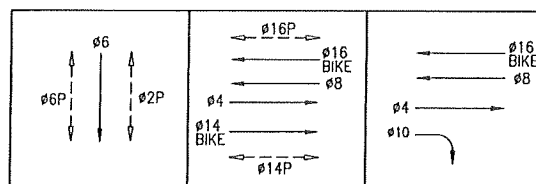


Remove old traffic signal poles, signals, cabinets, wiring



ET-51 = 10%
ET-52 = 10%

PHASE DIAGRAM



PHASE SEQUENCE

G				Y				R				HOWARD ST. (WB) - #6			
R				G				Y				2ND ST. (SB & NB) - #4 & #8			
RA				CA				YA				2ND ST. (NB BIKE) - #16			
R				G				Y				2ND ST. (SBRT) - #10			
RA				CA				YA				2ND ST. (SB BIKE) - #14			
WM				FRH				RH				PED XING 2ND ST. (SS & NS) - #2P & #6P			
RH				WM				FRH				PED XING HOWARD ST. (WS & ES) - #14P & #16P			

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' MAST ARM & 6' NEW LUMINAIRE FIXTURE	5	161 84	3S12" BIKE 3S12"	SV-1-T MAS	T		168 3	1S-COUNT	SP-1	APS 1 BACKPLATE 6
2	CITY STANDARD STREET LIGHT W/ NEW LUMINAIRE FIXTURE	5						69 3	1S-COUNT	SP-1	APS 1 6
3	CITY STANDARD STREET LIGHT W/ NEW LUMINAIRE FIXTURE	5						28 3	1S-COUNT	SP-1	APS 1
4	1-A (13')		42 165	3S12" 3S8" BIKE	TV-1-T SV-1	T		169	1S-COUNT	SP-1	APS 1 MOUNT 165 AT 8'
5	19-4-100 W/25' MAST ARM & 6' LUMINAIRE ARM	5	141 104 44	3S12" BIKE 3S12" RA 3S12" NRT	SV-1-T MAS MAS MAS	T T T		148 3	1S-COUNT	SP-1	BACKPLATE BACKPLATE APS 1
6	MUNI POLE WITH MAST ARM		62 64	3S12" 3S12"	SV-1-T MAS	T T		29 3	1S-COUNT	SP-1	APS 1 BACKPLATE
7	MUNI FEEDER POLE W/NEW LUMINAIRE FIXTURE	5	61	3S12"	SV-1-T	T		68 3	1S-COUNT	SP-1	EXTERNAL CONDUIT 6
8	PPB POLE										APS 1
9	1-A (13')		105 82 145	3S12"RA 3S12" 3S8"BIKE	TV-2-T SV-1	T T T		149	1S-COUNT	SP-1	6 APS 1 MOUNT 145 AT 8'

SHEET NOTES:

- 1 F/I APS BUTTON PROVIDED BY CITY FORCES.
- 2 ABANDON EXISTING CONDUIT AND WIRING. CUT EXISTING CONDUIT AND WIRING TO PULL BOX WALL AND CAP ENDS. PRIOR TO ABANDONING OF EXISTING CABLES IN EXISTING CONDUIT, CONTRACTOR TO FIELD VERIFY AND MAINTAIN SERVICES TO STREET LIGHTS AND TRAFFIC CONTROLLER.
- 3 CONTRACTOR SHALL FURNISH ONE SECTION PEDESTRIAN SIGNAL HOUSING AND INSTALL CITY FURNISHED ONE SECTION LED PEDESTRIAN MODULE.
- 4 CONTRACTOR SHALL CONTACT SFMTA SIGNAL SHOP FOR SPECIFIC INSTALLATION INSTRUCTIONS REGARDING POLE 7.
- 5 REFER TO E SERIES DWG AND FIXTURE SCHEDULE E-0.2 FOR LUMINAIRE TYPE, VOLTAGE AND WATTAGE.
- 6 POLE ON SUBSIDEWALK BASEMENT.
- 7 EXISTING ELECTRICAL WIRING WHICH WILL NOT BE MADE OBSOLETE AND WHICH WILL BE MAINTAINED OR DISTURBED OR DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO OPERATING CONDITION, AS REQUIRED AND/OR DIRECTED.
- 8 CONTRACTOR TO INTERCEPT AND CUT (E) CONDUIT. PULL NEW WIRES AS SHOWN IN WIRING SCHEDULE.
- 9 SPLICE NEW WIRE INTO THE EXISTING WIRES AS PER CONDUIT AND WIRING SCHEDULE (I.E. STREETLIGHT AND SIGNAL). PROVIDE NEW WIRES FOR ALL ADDITIONAL SIGNALS PER CONDUIT AND WIRING SCHEDULE.
- 10 REPLACE EXISTING CONTROLLER CABINET WITH A TYPE III PULLBOX AND USE FOR SERVICE POINT TO NEW CONTROLLER CABINET LOCATION.
- 11 TRAFFIC RATED TYPE III PULL BOXES.

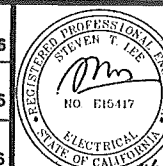
REFERENCE INFORMATION & FILE NO. OF SURVEYS			
NO.	DATE	DESCRIPTION	BY APP.
1	6/20/18	POO #11 Controller, Pullboxes, and Conduit Changes.	SS SL
TABLE OF REVISIONS			



DESIGN & ENGINEERING
PUBLIC WORKS
CITY & COUNTY OF SAN FRANCISCO
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Section Mgr: Philip Thwin
Deputy Division Mgr: Iqbal Dhapa
Division Mgr: Patrick Rivera

DESIGNED: DATE: SS/ZH 09/16
DRAWN: DATE: SS/ZH 09/16
CHECKED: DATE: GD/SL 9/16



SCALE:
AS SHOWN
SHEET OF SHEETS
-- OF --

2ND STREET STREETSCAPE IMPROVEMENTS PROJECT
2ND STREET AND HOWARD STREET TRAFFIC SIGNAL WORK

CONTRACT NO. 1064J
DRAWING NO. ET-3.0
FILE NO.
REV. NO.