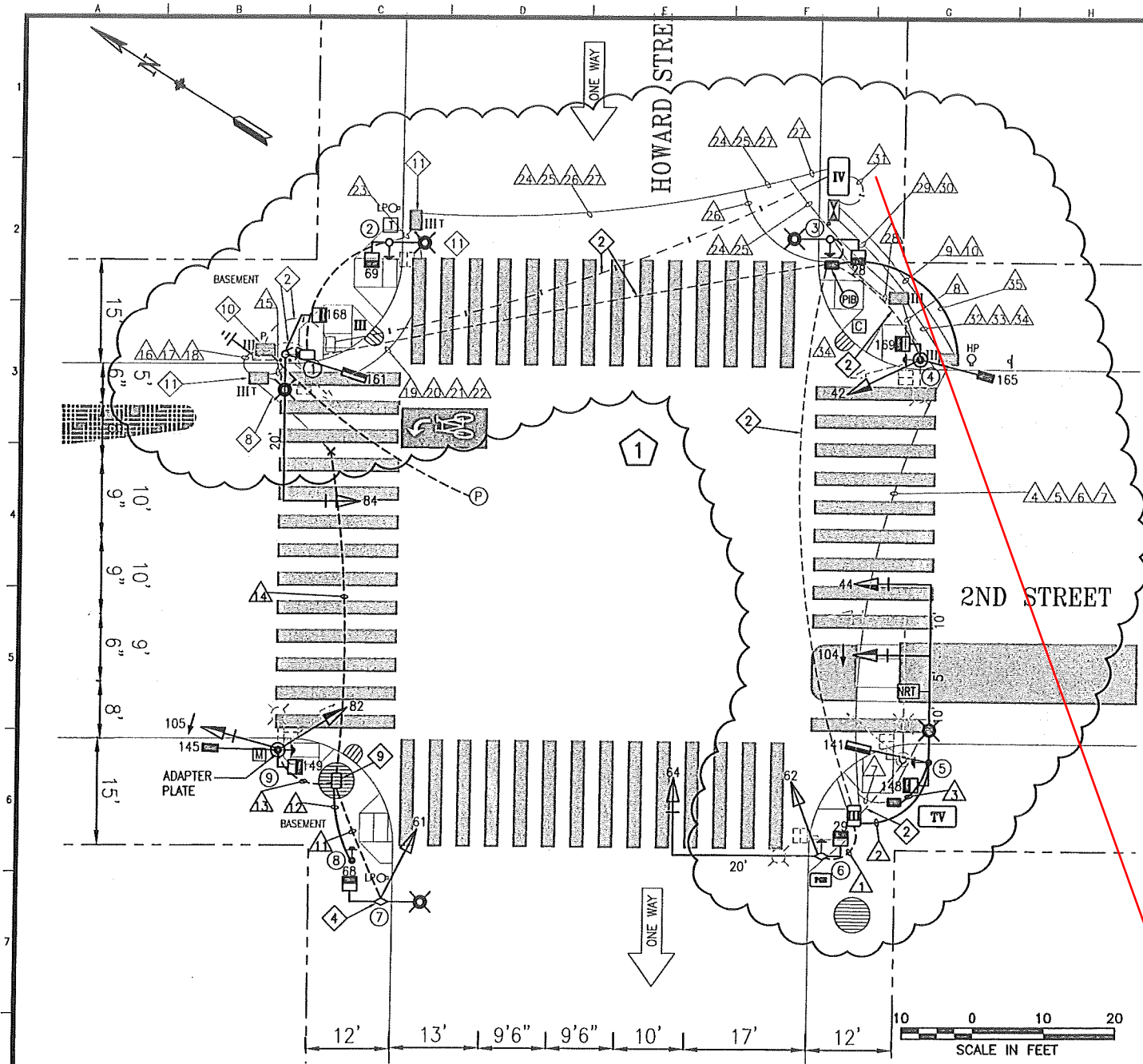


Howard St Revised  
Traffic Signal Drawing



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 T		168 ③ ⑦	1S-COUNT	SP-1	APS ① BACKPLATE ⑥
②	CITY STANDARD STREET LIGHT W/ NEW LUMINAIRE FIXTURE	⑤						69 ③ ⑦	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 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.

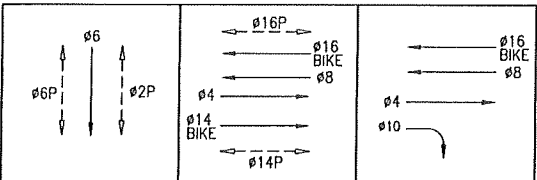
CTION CHANGES

ET-46 1-1.5" GRS CONDUIT (EXTERNAL ON POLE) = 15 LF ES FOR ALL

ET-49 12-C CABLE = 255 LF

Plus RFI-37

PHASE DIAGRAM



PHASE SEQUENCE

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

NO.	DATE	DESCRIPTION	BY	APP.
1	6/20/18	POO #11 Controller, Pullboxes, and Conduit Changes.	SS	SL

REFERENCE INFORMATION & FILE NO. OF SURVEYS



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.