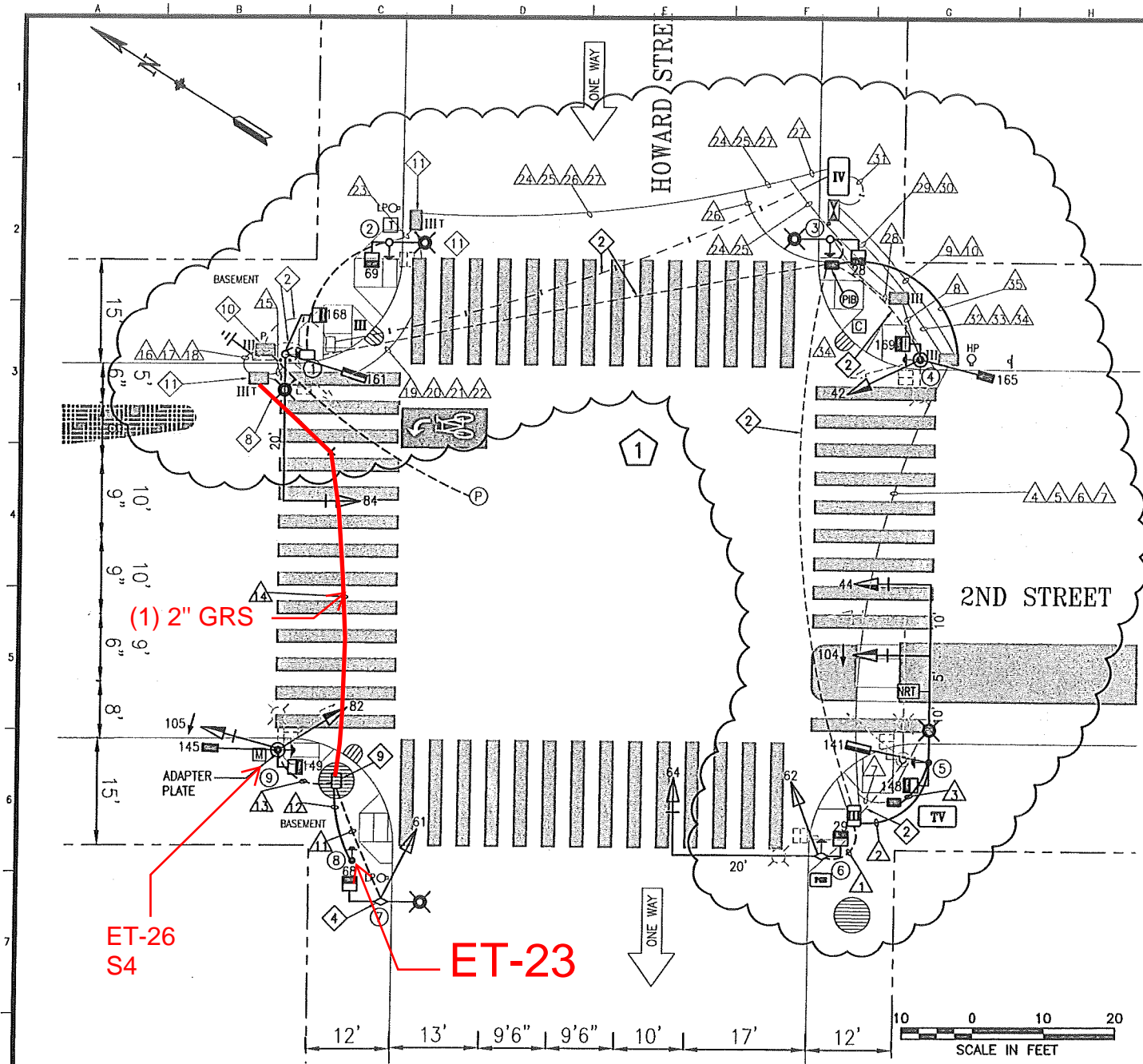


Howard St Revised
Traffic Signal Drawing



POLE No.	TYF	ET-1 (3S12") = 3 EA
①	178- MAST NEW I FIXTU	ET-2 (3S12" RA) = 2 EA
②	CITY S STREE NEW I FIXTU	ET-3 (NRT) = 1 EA
③	CITY S STREE NEW I FIXTU	ET-4 (3S8" Bike) = 2 EA
④	1- MAST	ET-5 (3S12" Bike) = 2 EA
⑤	19-4-1 MAST LUMI	ET-6 (TV-1-T) = 1 EA
⑥	MUNI MAST	ET-7 (SV-1) = 2 EA
⑦	MUNI POLE LUMI FIXTU	ET-8 (SV-1-T) = 2 EA
⑧	PPI	ET-9 (TV-2-T) = 1 EA
⑨	1-A	ET-14 SIGNAL BACK PLATE = 2 EA
		ET-15 (1S-COUNT HOUSING) = 6 EA

SCHEDULE				
PERS	PEDESTRIAN SIGNAL			REMARKS
	No.	TYPE	MOUNTING	
168	③	1S-COUNT	SP-1	APS ① BACKPLATE ⑥
69	③	1S-COUNT	SP-1	APS ① ⑥
28	③	1S-COUNT	SP-1	APS ①
169	1S-COUNT	SP-1		APS ① MOUNT 165 AT 8'
148	③	1S-COUNT	SP-1	BACKPLATE BACKPLATE APS ①
29	③	1S-COUNT	SP-1	APS ① BACKPLATE
68	③	1S-COUNT	SP-1	EXTERNAL CONDUIT ⑥
				APS ①
149	1S-COUNT	SP-1		⑥ APS ① MOUNT 145 AT 8'

SHEET	
① F/I APS	ET-16 LABOR COST... = 6 EA
② ABANDC CABLES	ET-17 (SP-1) = 6 EA
③ CONTRA	ET-48 (Cabinet) = 1 EA
④ CONTRA	
⑤ REFER	
⑥ POLE O	
⑦ EXISTING	

LL BOX WALL AND CAP ENDS. PRIOR TO ABANDONING OF EXISTING
TO STREET LIGHTS AND TRAFFIC CONTROLLER.

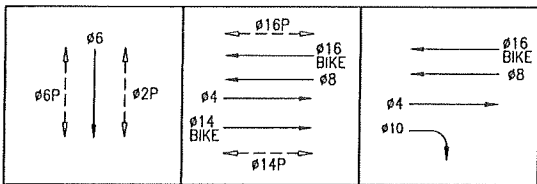
L CITY FURNISHED ONE SECTION LED PEDESTRIAN MODULE.

CTIONS REGARDING POLE 7.

AGE AND WATTAGE.

- BE MAINTAINED OR DISTURBED OR DUE TO CONSTRUCTION CHANGES
REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO OPERATING CONDITION, AS REQUIRED AND/OR DIRECTED.
- CONTRACTOR TO INTERCEPT AND CUT (E) CONDUIT. PULL NEW WIRES AS SHOWN IN WIRING SCHEDULE.
- 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.
- REPLACE EXISTING CONTROLLER CABINET WITH A TYPE III PULLBOX AND USE FOR SERVICE POINT TO NEW CONTROLLER CABINET LOCATION.
- TRAFFIC RATED TYPE III PULL BOXES.

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
R	G	Y R	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

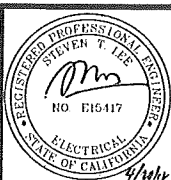
REFERENCE INFORMATION & FILE NO. OF SURVEYS



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.