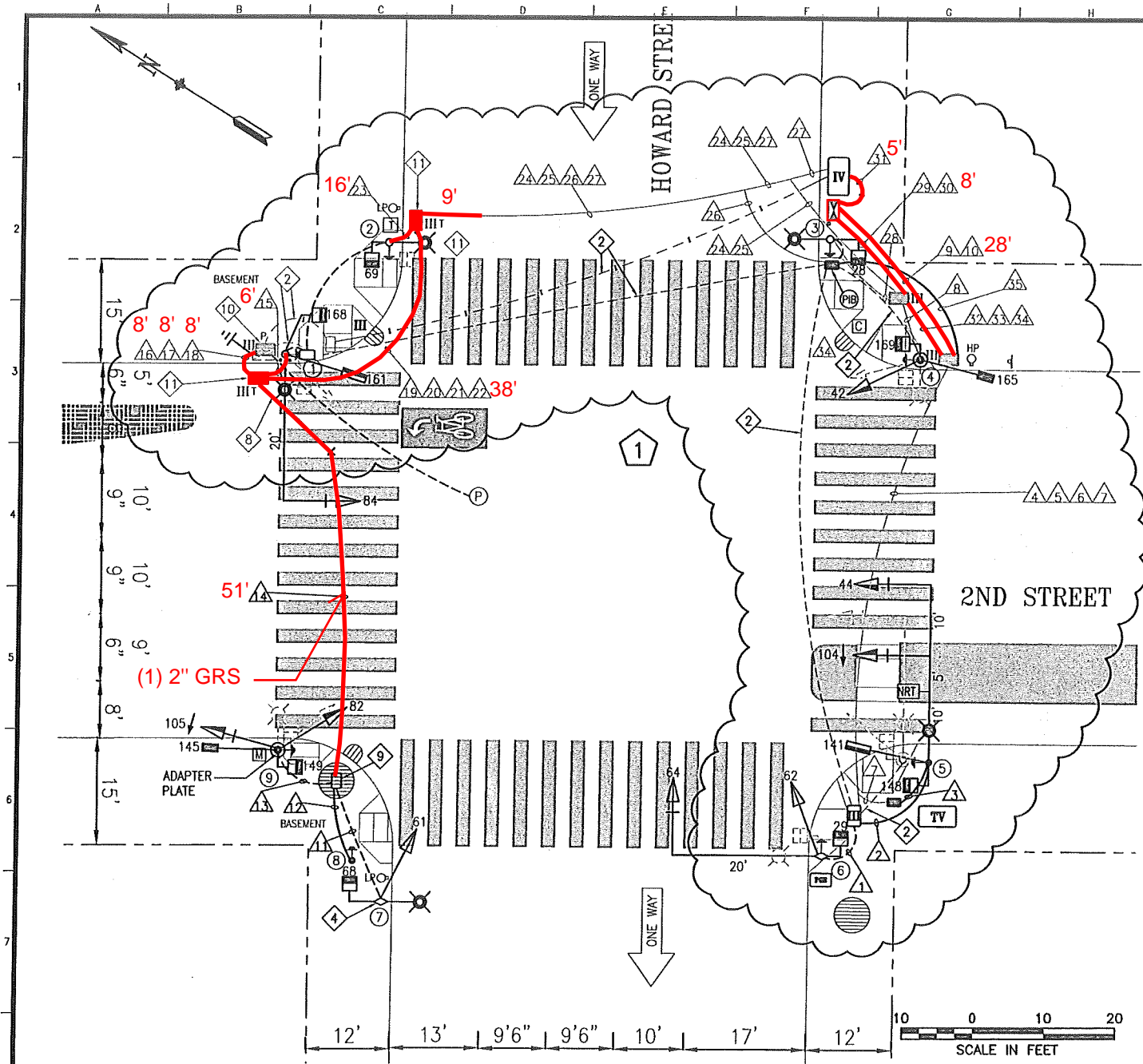


Howard St Revised  
Traffic Signal Drawing

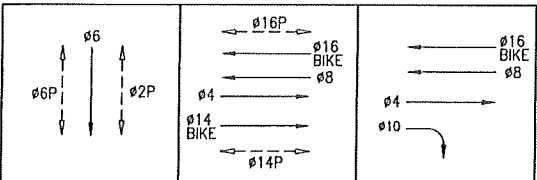


POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/ WATTAGE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
①	17B-1-70 W/20' MAST ARM & 6' NEW LUMINAIRE FIXTURE	⑤	161 84	3S12" BIKE 3S12"	SV-1-T MAS	T T		168 ③ ⑦	1S-COUNT	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'

ET-37 PULL BOX TYPE 36X (TRAFFIC RATED) = (2)  
ET-40 1-2" GRS CONDUIT = (16' + 6' + 24' + 51') 97'  
ET-41 1-2" HDPE CONDUIT = (5' + 9')  
ET-43 1-3" AND 1-2" PVC CONDUIT = (28' + 8') 36'  
ET-44 2-2" PVC CONDUIT & 1-2" GRS CONDUIT = (9')  
ET-45 3-2" PVC CONDUIT & 1-2" GRS CONDUIT = (38')  
ET-47 CONSTRUCT STANDARD "M-SF" = (1)

BANDONING OF EXISTING LER.  
STRIAN MODULE.  
CONSTRUCTION CHANGES  
NEW WIRES FOR ALL LOCATION.

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) - ①⑥
					2ND ST. (SBRT) - ①⑩
RA		CA	YA	RA	2ND ST. (SB BIKE) - ①④
WM	FRH			RH	PED XING 2ND ST. (SS & NS) - ②②P & ②⑥P
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

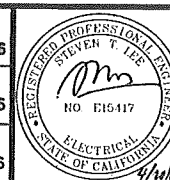
REFERENCE INFORMATION & FILE NO. OF SURVEYS



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.	