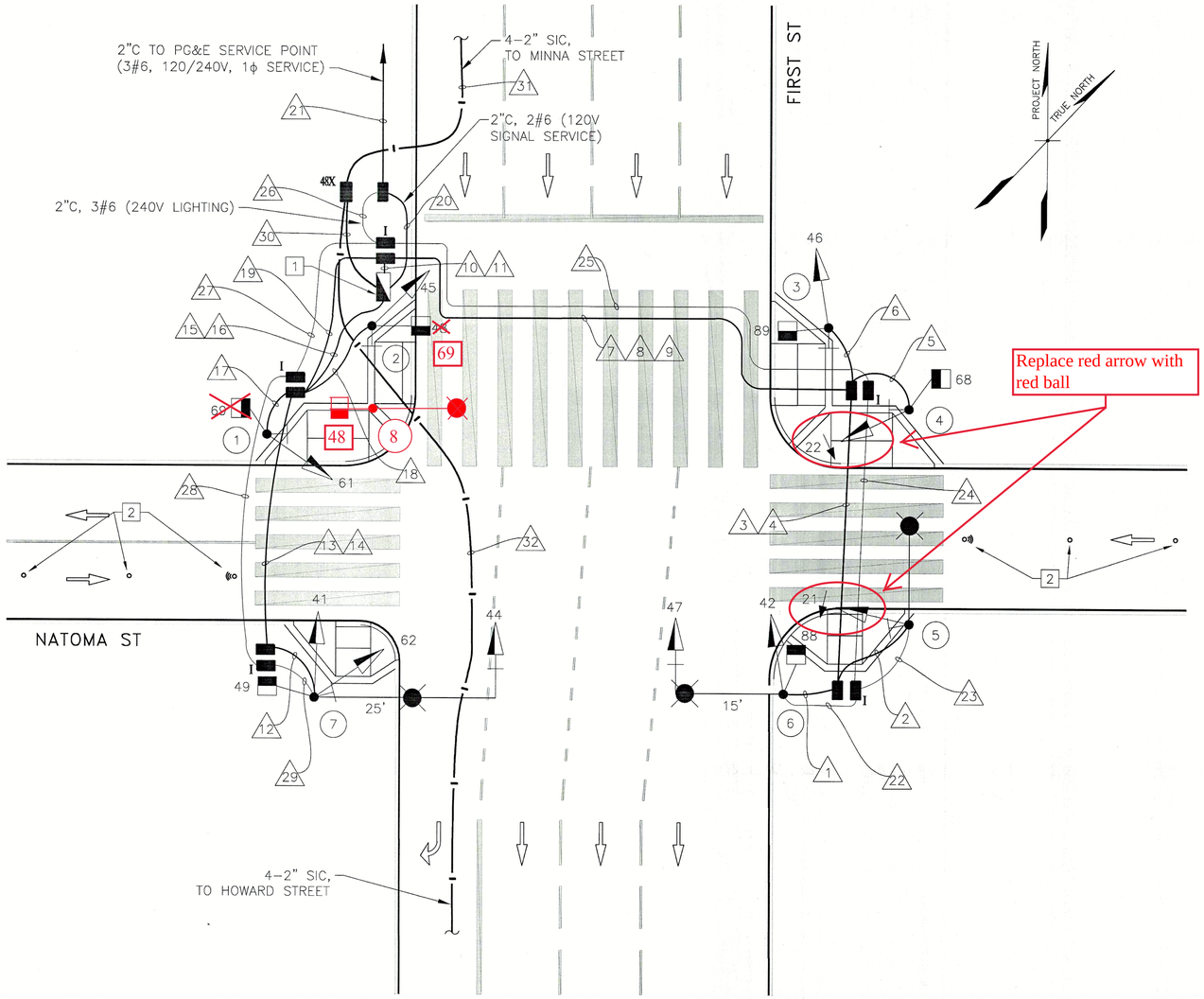


POLE AND EQUIPMENT SCHEDULE									
LOCATION	TYPE OF POLE	LUMEC GPLM WATTAGE	VEHICLE SIGNAL			PEDESTRIAN SIGNAL			REMARKS
			NO.	TYPE	MOUNTING	NO.	TYPE	MOUNTING	
1	1-A (10')		61	3S12"	TV-1-T	~~69~~	~~1S-LED~~	~~SP-1~~	~~WIRE APS UNIT TO PED SIGNAL 69.~~
2	1-A (10')		45	3S12"	TV-1-T	~~48.~~ 69	1S-LED	SP-1	WIRE APS UNIT TO PED SIGNAL ~~48.~~ 69
3	1-A (10')		46	3S12"	TV-1-T	89	1S-LED	SP-1	WIRE APS UNIT TO PED SIGNAL 89.
4	1-A (10')		22	3S12"RA	TV-1-T	68	1S-LED	SP-1	WIRE APS UNIT TO PED SIGNAL 68.
5	CITY STANDARD STREETLIGHT	164W	21	3S12"RA	SV-1-T				WIRE APS UNIT TO PED SIGNAL 88.
6	17-3-100 WITH 15-FT MAST ARM AND 6-FT LUMINAIRE ARM	164W	42 47	3S12" 3S12"	SV-1-T MAS	88	1S-LED	SP-1	VEHICLE SIGNAL 47 TO BE LOUVERED. VEHICLE SIGNAL 47 TO HAVE BACKPLATE. F/I WIRELESS DETECTION SSP DIGITAL RADIO; ATTACH TO POLE APPROXIMATELY 22' ABOVE GRADE.
7	17-3-100 WITH 25-FT MAST ARM AND 6-FT LUMINAIRE ARM	164W	41 62 44	3S12" 3S12" 3S12"	SV-2-TA MAS	49	1S-LED	SP-1	WIRE APS UNIT TO PED SIGNAL 49. VEHICLE SIGNAL 44 TO BE LOUVERED. VEHICLE SIGNAL 44 TO HAVE BACKPLATE.
8	City Standard Streetlight	164W				48	1S-LED	SP-1	Wire APS Unit to Ped Signal 48.

NOTES

1. ALL PVC CONDUITS SHALL HAVE A 1#6 (BSCW) GROUND WIRE. F/I GROUND ROD AND GROUNDING LAYOUT AS SHOWN ON SPDPWSF #88,739.
2. SPLICING OF GROUND WIRE SHALL BE PER SPDPWSF #87,204.
3. SERVICE CONNECTIONS SHALL BE MADE PER SPDPWSF #87,203. IF THE PLAN REQUIRES FUSING IN A PULL BOX FOR IC SERVICE, THIS IS THE POINT THE NEUTRAL IS BONDED TO THE GROUND.
4. CONTRACTOR SHALL COORDINATE WITH PG&E VIA TJPA FOR SERVICE CONNECTION WORK PRIOR TO START OF CONSTRUCTION. LOCATION OF PG&E SERVICE POINT IS UNDETERMINED AND SUBJECT TO CHANGE.
5. ALL PULL BOXES SHOWN ARE CCSF/SFMTA TYPE III, UNLESS OTHERWISE INDICATED.

SHEET NOTES

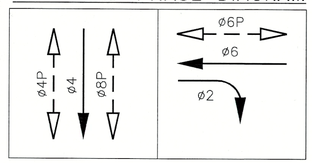
1 CONTRACTOR TO INSTALL TYPE 2070LXN2 CONTROLLER UNIT (PROCURED FROM CITY).

CONTRACTOR TO INSTALL TYPE M-SF TALL CABINET AND ASSEMBLY (PROCURED FROM CITY) AND CONSTRUCT AN M-SF TALL CONTROLLER CABINET FOUNDATION AND ANCHOR BOLTS. DOOR TO OPEN AWAY FROM INTERSECTION.

CONTRACTOR TO INSTALL BATTERY BACK-UP SYSTEM (AS SPECIFIED BY CITY), CAPABLE OF FITTING INSIDE THE CONTROLLER CABINET.

2 CONTRACTOR TO INSTALL WIRELESS VEHICLE DETECTION SYSTEM (PROCURED FROM CITY). A DRAWING SHOWING THE LAYOUT OF THE SENSORS SHALL BE SUBMITTED TO THE TRAFFIC ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

PROPOSED PHASE DIAGRAM



FLASH 6/27/2019 (11:40AM)

SFMTA
Wei Sheng Zhang
Robert Donohoe
Cynthia Hui
Steven Wong
Stephanie Chan

3-COLOR 6/30/2019 (1:15PM)

SFMTA
Wei Sheng Zhang
Alan Coughlan

REGISTERED PROFESSIONAL ENGINEER BRIAN B DUSSEAULT C 058458 EXP. 12/31/2018 CIVIL STATE OF CALIFORNIA
January 9 2018

NO.	DATE	DESCRIPTION	BY	APP

TABLE OF REVISIONS
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION

SFMTA
Municipal Transportation Agency

THE CITY AND COUNTY OF SAN FRANCISCO

REGISTERED PROFESSIONAL ENGINEER CYNTHIA HUI No. TR 2340 Exp. 6/30/2018 TRAFFIC STATE OF CALIFORNIA 1/4/2018

DRAWN: S WONG DATE: 1/2018
CHECKED: C HUI DATE: 1/2018

APPROVED
January 9 2018
SENIOR ENGINEER DATE:
1/9/18
CITY TRAFFIC ENGINEER DATE:

SCALE: AS SHOWN
SHEET/SHEETS:

TRANSBAY TRANSIT CENTER PROGRAM

FIRST STREET AND NATOMA STREET
TRAFFIC SIGNAL WORK

CONTRACT NO.
DRAWING NO. ET-2.0
FILE NO.
REV. NO. 0

FILE NAME:
DATE: --/--/--

CONDUIT AND WIRING SCHEDULE (FURNISH AND INSTALL CONDUIT AND WIRES)

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	25	26	27	28	29	30	31	32
CONDUIT SIZE (INCH)		2	2	2	2	2	2	2	2	2	3	2	2	2	2	3	2	2	2	2	2	2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2	2	2
					SP					SP		SP			SP		SP			SP			GRS	GRS	GRS	GRS	GRS	GRS	GRS	GRS	PVC	⟨1⟩	⟨1⟩
NOTES																																	
	VEHICLE SIGNAL 42	3		3				3			3																						
	VEHICLE SIGNAL 47	3		3				3			3																						
	PED SIGNAL 88	2		2				2			2																						
	VEHICLE SIGNAL 21		3	3				3			3																						
	APS PPB FOR NATOMA ST ON POLE 5		2	2				2			2																						
	VEHICLE SIGNAL 22					3			3		3																						
	PED SIGNAL 68					2			2		2																						
	APS PPB FOR NATOMA ST ON POLE 4					2			2		2																						
	VEHICLE SIGNAL 46						3		3		3																						
	PED SIGNAL 89						2		2		2																						
	APS PPB FOR 1ST ST ON POLE 3						2		2		2																						
	VEHICLE SIGNAL 41												3	3		3																
	VEHICLE SIGNAL 44												3	3		3																
	VEHICLE SIGNAL 62												3	3		3																
	PED SIGNAL 49												2	2		2																
	APS PPB FOR NATOMA ST ON POLE 7												2	2		2																
	VEHICLE SIGNAL 61															3		3														
	PED SIGNAL 69															2		2														
	APS PPB FOR NATOMA ST ON POLE 1															2		2														
	VEHICLE SIGNAL 45															3			3													
	PED SIGNAL 48															2			2													
	APS PPB FOR 1ST ST ON POLE 2															2			2													
	WIRELESS DETECTION – ETHERNET CABLE															1			1													
	#14 NEUTRAL	3	1			2	2					3					2	2														
	#14 SPARE			3				3	3		3		3		3																	
	TOTAL #14 WIRES	11	6	16		9	9	16	17		30	16	16		31		9	10														
	#10 WIRES NEUTRAL			1				2	2		3		1		2																	
	#10 WIRES STREET LIGHT																						2	2						2			
	#8 WIRES STREET LIGHT																								2	2	2	2	2				
	#8 WIRES (120 V SERVICE)																			2	3												
	INTERCONNECT 12C CABLE																														2	2	2

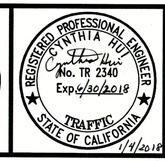
SHEET NOTES:

⟨1⟩ F/I 4–2" POLYETHYLENE SCHEDULE 80 CONDUIT WITH 3/8" PULL TAPE. IN ONE OF THE EMPTY CONDUITS, INSTALL TWO #8 AWG STRANDED COPPER LOCATING WIRES (ONE WITH BLACK INSULATION AND THE OTHER WITH WHITE INSULATION). SEE SPEC 34 41 13 IN CONTRACT SPECIFICATIONS.

NO.	DATE	DESCRIPTION	BY	APP

TABLE OF REVISIONS
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION

SFMTA
Municipal Transportation Agency



DRAWN: S WONG	DATE: 1/2018	
CHECKED: C HUI	DATE: 1/2018	
APPROVED: SENIOR ENGINEER	DATE: January 9 2018	
CITY TRAFFIC ENGINEER	DATE: 1/9/18	
SCALE: AS SHOWN		
SHEET/SHEETS:		

TRANSBAY TRANSIT CENTER PROGRAM

FIRST STREET AND NATOMA STREET
CONDUIT AND WIRING SCHEDULE

CONTRACT NO.	
DRAWING NO.	ET–2.1
FILE NO.	
REV. NO.	0

FILE NAME:
DATE: --/--/--