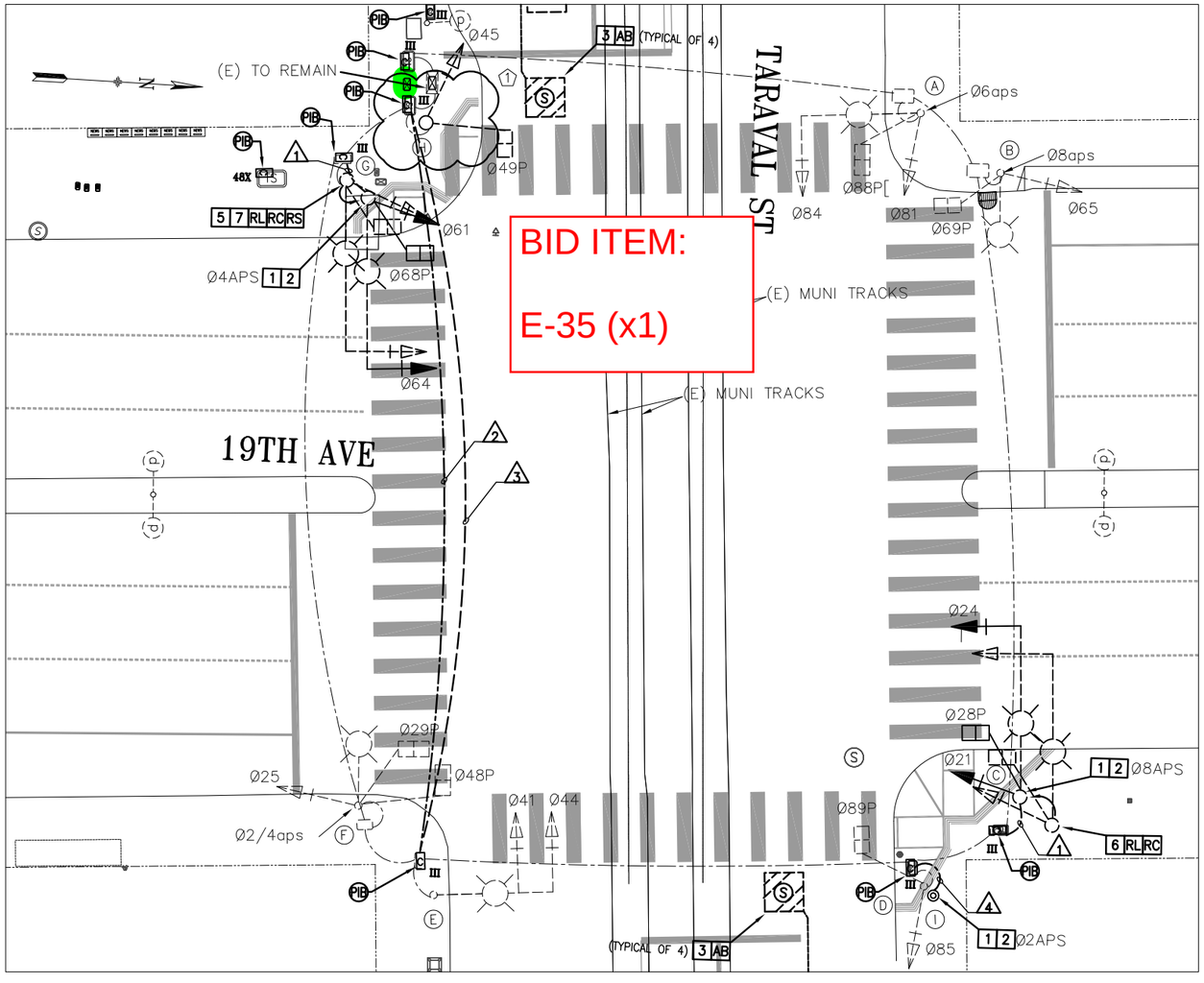


CONDUIT

1. F/I 1–2" GRS; WIRING PER SHEET NOTE 2.
2. 2–2" PVC CO. IN SAME TRENCH
3. F/I 1–2" GRS CO. IN SAME TRENCH AS 2–2" PVC
4. F/I 1–1" PVC; WIRING PER SHEET NOTE 2.

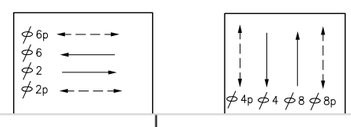
SHEET NOTES

1. CONTRACTOR TO PROVIDE APS WIRING. CITY FORCES TO PROVIDE APS PUSH BUTTON PER ADA REQUIREMENTS.
2. PROVIDE NEW WIRING TO MATCH EXISTING WIRING AND QUANTITY BACK TO CONTROLLER WITHOUT SPLICING. IF EXISTING WIRING HAS ENOUGH SLACK, CONTRACTOR HAS OPTION TO REUSE WITH SFMTA APPROVAL.
3. CONTRACTOR TO AB LOOP DETECTORS. CITY FORCES TO INSTALL WIRELESS SENSYS DETECTORS IN PLACE OF LOOP DETECTORS.
4. NOT USED.
5. CONTACT SFMTA SIGNAL SHOP 5 DAYS PRIOR TO CONSTRUCTION TO RS GTT TRANSIT PRIORITY RADIO EQUIPMENT.
6. REUSE AND RL EXISTING MAST ARM POLE AS INDICATED BY POLE C ON NEW FOUNDATION. RL EXISTING STREET LIGHT FIXTURE. RC EXISTING TRAFFIC SIGNAL EQUIPMENT, MOUNTINGS, ASSOCIATED CONDUIT, AND FOUNDATION. PROVIDE NEW TRAFFIC SIGNALS AND MOUNTINGS PER POLE AND EQUIPMENT SCHEDULE. PROVIDE TEMPORARY SIGNAL AND LIGHTING AS REQUIRED.
7. REUSE AND RL EXISTING MAST ARM POLE AS INDICATED BY POLE G ON NEW FOUNDATION. RL EXISTING STREET LIGHT FIXTURE. RC EXISTING TRAFFIC SIGNAL EQUIPMENT, MOUNTINGS, ASSOCIATED CONDUIT, AND FOUNDATION. PROVIDE NEW TRAFFIC SIGNALS AND MOUNTINGS PER POLE AND EQUIPMENT SCHEDULE. PROVIDE TEMPORARY SIGNAL AND LIGHTING AS REQUIRED.

POLE AND EQUIPMENT SCHEDULE (EXISTING POLE AND EQUIPMENT UNLESS OTHERWISE NOTED)

POLE	STANDARD			VEHICLE SIGNAL			PEDESTRIAN SIGNAL			APS	FIXTURE TYPE	SPECIAL REQUIREMENT
	TYPE	SMA	LMA	No.	TYPE	MOUNTING	No.	TYPE	MOUNTING			
A	17–2–100	15	8	81 84	3S12" 3S12"	SV–1–T MAS	88	1S–COUNT	SP–1–T	ø6P	108 (LED)	BACKPLATE
B	15TS	–	8	65	3S12"	SV–1–T	69	1S–COUNT	SP–1–T	ø8P	108 (LED)	BACKPLATE
C	19–2–100	25	8	**21 24**	**3S12" 3S12"**	**SV-1-T MAS**	**28**	**1S-COUNT**	**SP-1**	**Ø8P**	108 (LED)	**BACKPLATE**
D	MUNI	–	–	85	3S12"	SV–1–T	89	1S–COUNT	SP–1–T	–	–	BACKPLATE
E	16–3–100	20	8	41 44	3S12" 3S12"	MAS MAS	–	–	–	–	–	BACKPLATE
F	15TS	–	8	25	3S12"	SV–1–T	29 48	1S–COUNT 1S–COUNT	SP–2–T	ø2/4P	108 (LED)	BACKPLATE
G	19–2–100	25	8	**61 64**	**3S12" 3S12"**	**SV-1-T MAS**	**68**	**1S-COUNT**	**SP-1**	**Ø4P**	108 (LED)	**BACKPLATE**
H	1–A (10')	–	–	45	3S12"	TV–1–T	49	1S–COUNT	SP–1–T	ø6P	–	BACKPLATE
I	**PBA POST (5')**	–	–	–	–	–	–	–	–	**Ø2P**	–	–

PHASE DIAGRAM: (STEADY DEMAND)



NOTE;
THIS AUTOCAD DRAWING HAS BEEN REVISED AND REPLOTTED SUBSEQUENT TO INTERNAL ENGINEERING APPROVAL AND SIGN–OFF. FOR THOSE SIGNATURES, SEE THE DRAWING PLOTTED AND ISSUED PREVIOUSLY DURING BIDDING. THE SIGNED DRAWING REMAINS VALID EXCEPT FOR THE CHANGES

Pole	Base Plate Data				Cage Size	Foundation Size
	Plate Size	Bolt Circle	Thickness	Anchor Bolt Size		
PPB	7"	7"	1/2"	5/8"x12"	No Cage	18"x18"
19-2-100	18"	17.5"	1.5"	2"x42"	36" x 9'6"	42"x10'

NO.	DATE	DESCRIPTION	BY	APP.
1	10/28/20	PCO#2 POLE RELOCATION	KS/MA	MV

TABLE OF REVISIONS
THIS DRAWING WAS LAST MODIFIED: 02/24/21 09:59, BY: MAung

REFERENCE INFORMATION & FILE NO. OF SURVEYS

SEAL OF THE CITY AND COUNTY OF SAN FRANCISCO

SAN FRANCISCO PUBLIC WORKS

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

		Date:
Acting Section Mgr:	PHILIP THWIN	
Deputy Bureau Mgr:	FERNANDO CISNEROS	
Acting Bureau Mgr:	IQBAL DHAPA	

DESIGNED: KS/DG DATE: 02/2018
DRAWN: KS/DG DATE: 02/2018
CHECKED: MV/SL DATE: 02/2018

REGISTERED PROFESSIONAL ENGINEER STEVEN T. LEE NO. E15417 ELECTRICAL STATE OF CALIFORNIA

PLAN APPROVAL DATE	CONTRACT No.	PROJECT ID	DISTRICT	COUNTY	ROUTE	POST MILES TOTAL PROJECT
	04–0G3501	0400000325	04	SF	1	R0.94/4.05

SCALE: AS SHOWN

SHEET OF SHEETS 108 OF 356

19TH AVENUE (STATE ROUTE 1)
COMBINED CITY PROJECT

19TH AVENUE AND TARAVAL STREET

CONTRACT NO. 1000005832
DRAWING NO. E–9.0
FILE NO. 111,405
REV. NO.

Drawing Path: V:\2652J_19th_Avenue_Combined_City_Project\3_Construction\Design_Team\EEL\19th Ave Pole Relocation\E-9.0-Taroval_02242021.dwg, Xref: defpoints, grid.dwg, ..\..\de1_tbd.dwg, ..\Xref\15-32 19th ave2.dwg, ..\Xref\19th Ave_N_ROADWAY_Striping.dwg
Plot Time: Wed, 24 Feb 2021 – 10:02am
Model Units: Undefined
Measurement Units are English