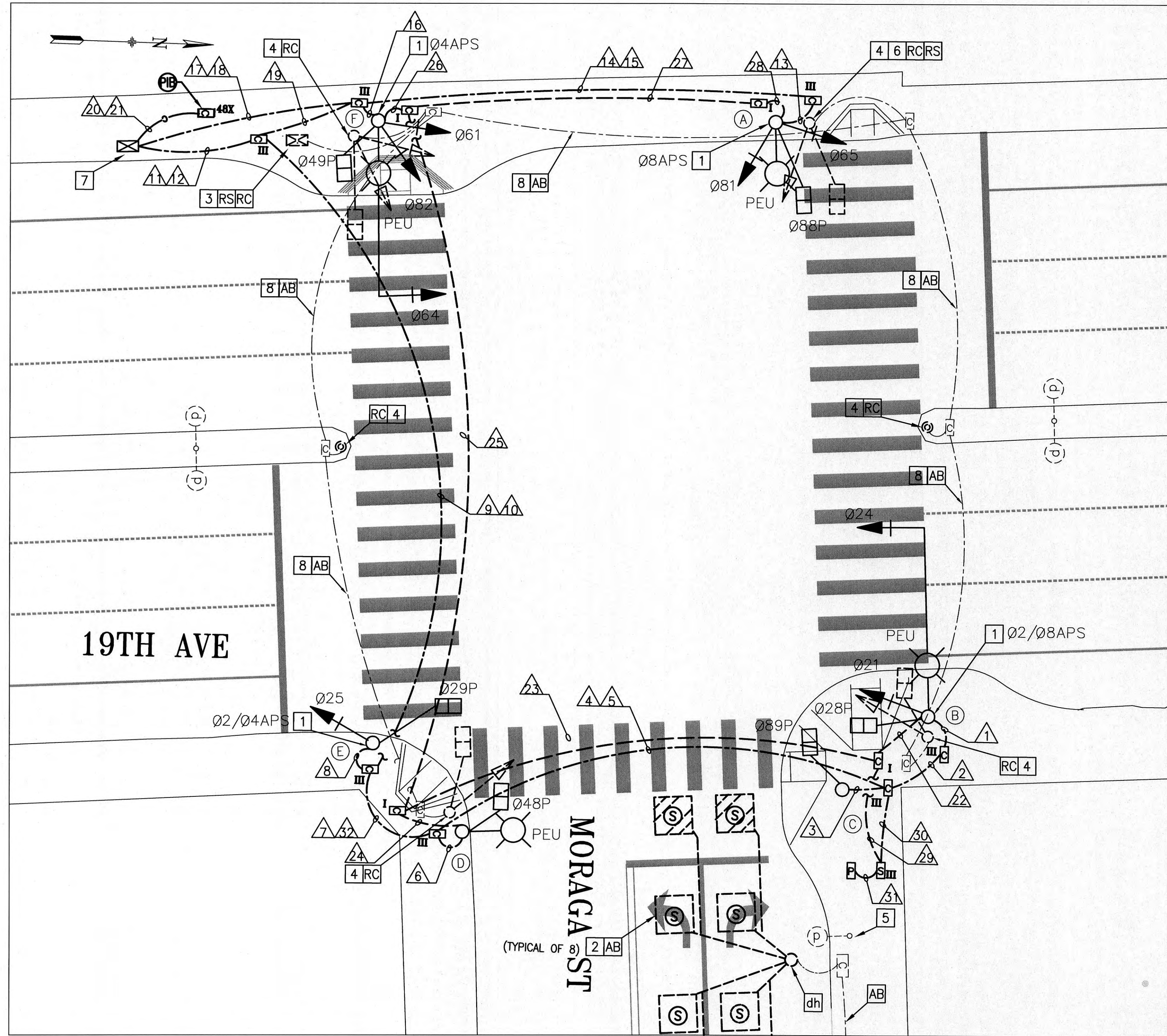




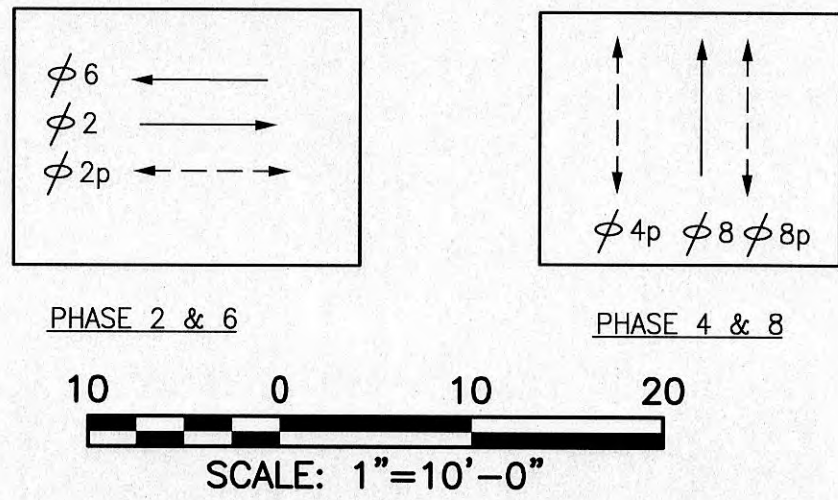
SHEET NOTES

- 1 CONTRACTOR TO PROVIDE APS WIRING. CITY FORCES TO PROVIDE APS PUSH BUTTON PER ADA REQUIREMENTS.
- 2 CONTRACTOR TO [AB] LOOP DETECTORS. CITY FORCES TO INSTALL WIRELESS SENSYS DETECTORS IN PLACE OF LOOP DETECTORS.
- 3 [RS] EXISTING CABINET AND CONTROLLER, [RC] FOUNDATION, ASSOCIATED CONDUITS, AND PULLBOXES.
- 4 [RC] EXISTING POLE, FOUNDATION, EQUIPMENT, ASSOCIATED CONDUIT, AND PULLBOX.
- 5 COORDINATE WITH SFPUC FOR REMOVAL OF PG&E STREET LIGHT POLE.
- 6 CONTACT SFMTA SIGNAL SHOP 5 DAYS PRIOR TO CONSTRUCTION TO [RS] GTT TRANSIT SIGNAL PRIORITY RADIO EQUIPMENT.
- 7 PROVIDE CONTROLLER FOUNDATION PAD MODEL 332L PER CALTRANS STANDARD PLANS. COORDINATE WITH SFMTA FOR PICK UP OF I/C CABINET AND FOR CITY INSTALLED I/C CONTROLLER.
- 8 [AB] PER CALTRANS STANDARD SPECIFICATIONS.
- 9 FOR FIXTURE TYPE, REFER TO FIXTURE SCHEDULE ON E-0.1

POLE AND EQUIPMENT SCHEDULE

| POLE | STANDARD |     |     | VEHICLE SIGNAL |                         |                | PEDESTRIAN SIGNAL |          |          | APS    | FIXTURE TYPE | SPECIAL REQUIREMENT |
|------|----------|-----|-----|----------------|-------------------------|----------------|-------------------|----------|----------|--------|--------------|---------------------|
|      | TYPE     | SMA | LMA | No.            | TYPE                    | MOUNTING       | No.               | TYPE     | MOUNTING |        |              |                     |
| A    | 15TS     | -   | 8   | 81<br>65       | 3S12"<br>3S12"          | SV-2-TA        | 88                | 1S-COUNT | SP-1     | Ø8P    | 9<br>A100    | BACKPLATE           |
| B    | 19-2-100 | 25  | 8   | 21<br>24       | 3S12"<br>3S12"          | SV-1-T<br>MAS  | 28                | 1S-COUNT | SP-1     | Ø2/Ø8P | 9<br>A100    | BACKPLATE           |
| C    | 1-A(7')  | -   | -   | -              | -                       | -              | 89                | 1S-COUNT | TP-1     | -      | -            | -                   |
| D    | 15TS     | -   | 8   | -              | -                       | -              | 48                | 1S-COUNT | SP-1     | -      | 9<br>A100    | -                   |
| E    | 1-A(10') | -   | -   | 25             | 3S12"                   | TV-1-T         | 29                | 1S-COUNT | SP-1     | Ø2/Ø4P | -            | BACKPLATE           |
| F    | 19-2-100 | 25  | 8   | 82<br>61<br>64 | 3S12"<br>3S12"<br>3S12" | SV-2-TA<br>MAS | 49                | 1S-COUNT | SP-1     | Ø4P    | 9<br>A100    | BACKPLATE           |

PHASE DIAGRAM: (STEADY DEMAND)



Switchover date: 12/15/21  
SFMTA Engineer: Sebastian Arias  
SFMTA Electricians: Alan Coughlan, Andrew Robertson  
New signal switched over: 10:01 AM

| NO.                                                              | DATE | DESCRIPTION | BY | APP. |
|------------------------------------------------------------------|------|-------------|----|------|
| TABLE OF REVISIONS                                               |      |             |    |      |
| THIS DRAWING WAS LAST MODIFIED: 12/18/18 17:58, BY: dgargaritano |      |             |    |      |

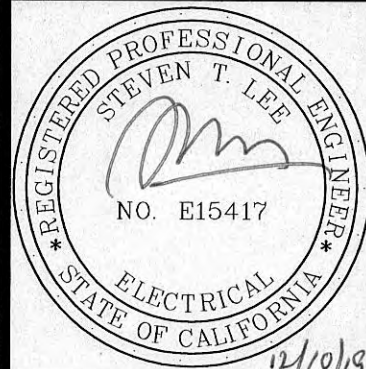
REFERENCE INFORMATION  
& FILE NO. OF SURVEYS



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

|                     |                   |       |          |
|---------------------|-------------------|-------|----------|
| Acting Section Mgr: | PHILIP THWIN      | Date: | 12/11/18 |
| Deputy Bureau Mgr:  | FERNANDO CISNEROS | Date: | 12/16/19 |
| Acting Bureau Mgr:  | IQBAL DHAPA       | Date: | 12/16/19 |

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



|                    |              |            |          |        |       |                          |
|--------------------|--------------|------------|----------|--------|-------|--------------------------|
| 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   | 19TH AVENUE (STATE ROUTE 1)<br>COMBINED CITY PROJECT | CONTRACT NO.<br>1000005832 |
| SHEET OF SHEETS | 115 OF 356 | 19TH AVENUE AND MORAGA STREET                        | DRAWING NO.<br>E-16.0      |
|                 |            |                                                      | FILE NO.<br>111,412        |
|                 |            |                                                      | REV. NO.                   |



Drawing Path: V:\2652L\_19th\_Avenue\_Combined\_City\_Project\2\_Design\Working\_Drawings\EE\Current\Yref\19TH AVE\_E\_BASEPLAN-ehv.dwg  
Plot Time: Wed, 04 Dec 2019 - 6:37pm  
Model Units: Undefined  
Measurement Units are English



CONDUCTOR SCHEDULE ALL WIRING IS NEW. ALL CONDUIT IS NEW U.O.N.

| CONDUCTOR DESIGNATION                   | NUMBER OF CONDUCTORS |    |   |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
|-----------------------------------------|----------------------|----|---|----|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
|                                         | 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 |   |
| VEH Ø21                                 | 3                    | 3  |   | 3  |   |   | 3  |    | 3  |    | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| VEH Ø24                                 | 3                    | 3  |   | 3  |   |   | 3  |    | 3  |    | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| VEH Ø25                                 |                      |    |   |    |   |   |    | 3  | 3  |    | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| VEH Ø61                                 |                      |    |   |    |   |   |    |    |    |    |    |    |    |    |    |    | 3  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| VEH Ø64                                 |                      |    |   |    |   |   |    |    |    |    |    |    |    |    |    |    | 3  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| VEH Ø65                                 |                      |    |   |    |   |   |    |    |    |    |    |    | 3  | 3  |    |    |    | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| VEH Ø81                                 |                      |    |   |    |   |   |    |    |    |    |    |    | 3  | 3  |    |    |    | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| VEH Ø82                                 |                      |    |   |    |   |   |    |    |    |    |    |    |    |    |    |    | 3  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| PCS Ø28                                 | 2                    | 2  |   | 2  |   |   | 2  |    | 2  |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| PCS Ø29                                 |                      |    |   |    |   |   |    | 2  | 2  |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| PCS Ø48                                 |                      |    |   |    |   | 2 | 2  |    | 2  |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| PCS Ø49                                 |                      |    |   |    |   |   |    |    |    |    |    |    |    |    |    |    | 2  | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| PCS Ø88                                 |                      |    |   |    |   |   |    |    |    |    |    |    | 2  | 2  |    |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| PCS Ø89                                 |                      |    |   | 2  | 2 |   |    | 2  |    | 2  |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| APS Ø28                                 | 2                    | 2  |   | 2  |   |   | 2  |    | 2  |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| APS Ø29                                 |                      |    |   |    |   |   |    | 2  | 2  |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| APS Ø48                                 |                      |    |   |    |   |   |    | 2  | 2  |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| APS Ø49                                 |                      |    |   |    |   |   |    |    |    |    |    |    |    |    |    |    | 2  | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| APS Ø88                                 |                      |    |   |    |   |   |    |    |    |    |    |    | 2  | 2  |    |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| APS Ø89                                 | 2                    | 2  |   | 2  |   |   | 2  |    | 2  |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
|                                         |                      |    |   |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
|                                         |                      |    |   |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| SIGNAL NEUTRAL                          | 3                    |    | 1 |    |   | 1 |    | 2  |    |    |    |    | 2  |    |    | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| SPARE                                   |                      | 3  |   | 3  |   |   | 3  |    | 3  |    | 3  |    |    | 3  |    |    | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| TOTAL No. 14                            | 15                   | 15 | 3 | 17 |   | 3 | 19 | 11 | 28 |    | 28 |    | 12 | 13 |    | 16 | 26 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
|                                         |                      |    |   |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| No. 10 Conductors                       |                      |    |   |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| SIGNAL NEUTRAL                          |                      | 1  |   | 1  |   |   | 2  |    | 2  |    | 2  |    |    | 1  |    |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| LIGHTING (120V)                         |                      |    |   |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |    |    | 2  |    | 2  |    | 2  |    |    |    |    |   |
| TOTAL No. 10                            |                      | 1  |   | 1  |   |   | 2  |    | 2  |    | 2  |    |    | 1  |    |    | 2  |    |    |    | 2  |    |    | 2  |    | 2  |    | 2  |    |    |    |    |   |
|                                         |                      |    |   |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| No. 8 Conductors                        |                      |    |   |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| LIGHTING (120V)                         |                      |    |   |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |    | 2  |    | 2  |    | 2  |    |    |    |   |
| 120 V Service to Controller             |                      |    |   |    | 2 |   |    |    |    | 2  |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |    |    | 2 |
| 120/240 V Service                       |                      |    |   |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3  |    |   |
| TOTAL No. 8                             |                      |    |   |    | 2 |   |    |    |    | 2  |    | 2  |    |    |    |    |    |    |    |    |    |    | 2  |    | 2  |    | 2  |    | 2  | 2  | 3  |    | 2 |
|                                         |                      |    |   |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| CONDUIT EX=EXISTING OR SP=SPARE         |                      |    |   |    |   |   |    |    |    |    |    |    |    |    |    | SP |    |    | SP | SP | SP | SP |    |    |    |    |    |    |    |    |    |    |   |
| CONDUIT SIZE                            | 2                    | 2  | 2 | 2  | 2 | 2 | 2  | 2  | 2  | 2  | 3  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 2  |   |
| CONDUIT TYPE (P=PVC, G=GRS, OR H= HDPE) | P                    | P  | P | P  | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | H  | H  | G  | G  | G  | G  | G  | G  | G  | G  | G  | P  | P  | P  |   |

| NO.                                                              | DATE | DESCRIPTION | BY | APP. |
|------------------------------------------------------------------|------|-------------|----|------|
| TABLE OF REVISIONS                                               |      |             |    |      |
| THIS DRAWING WAS LAST MODIFIED: 12/18/18 17:58, BY: dgargaritano |      |             |    |      |

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS



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

|                     |                   |       |          |
|---------------------|-------------------|-------|----------|
| Acting Section Mgr: | PHILIP THWIN      | Date: | 12/11/18 |
| Deputy Bureau Mgr:  | FERNANDO CISNEROS | Date: | 12/16/18 |
| Acting Bureau Mgr:  | IQBAL DHAPA       | Date: | 12/16/18 |

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

| 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:          | 19TH AVENUE (STATE ROUTE 1)<br>COMBINED CITY PROJECT                      |          |        |       | CONTRACT NO.<br>1000005832 |
|                    | NONE            |                                                                           |          |        |       | DRAWING NO.<br>E-16.1      |
|                    | SHEET OF SHEETS | 19TH AVENUE AND MORAGA STREET<br>CONDUCTOR, POLE, AND EQUIPMENT SCHEDULES |          |        |       | FILE NO.<br>111,413        |
|                    | 116 OF 356      |                                                                           |          |        |       | REV. NO.                   |



Xrefs: DEI\_TBD.dwg  
V:\2652L\_19th\_Avenue\_Combined\_City\_Project\2\_Design\Working\_Drawings\EEL\Current\Xref\19TH\_AVE\_E\_BASEPLAN-ehv.dwg  
V:\2652L\_19th\_Avenue\_Combined\_City\_Project\2\_Design\Working\_Drawings\EEL\Current\Xref\DEI\_TBD.dwg  
V:\2652L\_19th\_Avenue\_Combined\_City\_Project\2\_Design\Working\_Drawings\EEL\Current\Xref\19th\_Ave\_N\_ROADWAY\_Stripna.dwg  
Model Units: Undefined  
Drawing Path: V:\2652L\_19th\_Avenue\_Combined\_City\_Project\2\_Design\Working\_Drawings\EEL\Current\16.0-Moraga-04-0G3501.dwg, Status: dgargaritano  
Plot Time: Wed, 04 Dec 2019 - 6:39pm