

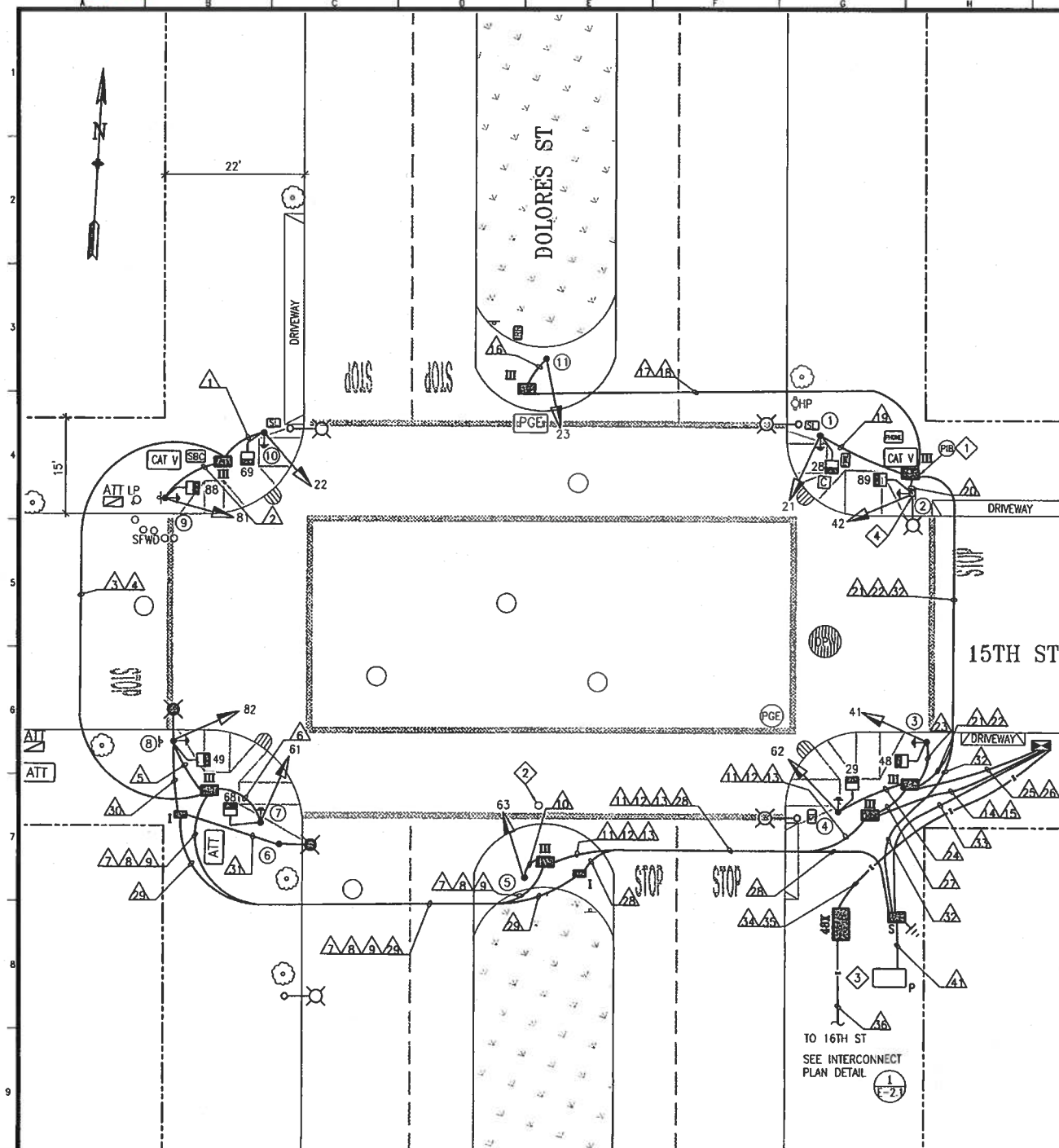
SIGNAL SHOP - ANDREW R & MICHAEL B.  
SFPW - PHILIP C. / KARL  
SFMMA - JD



2/11/20 3 COLOR 12:47PM  
FLASH 12:54PM

2/13/20 3 COLOR 1:15PM

SIGNAL SHOP: TREVOR P  
SFPW  
SFMMA: JD

MICHAEL B.

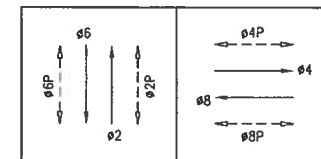


| POLE AND EQUIPMENT SCHEDULE |                                    |   |                |       |          |        |         |                   |          |          |         |
|-----------------------------|------------------------------------|---|----------------|-------|----------|--------|---------|-------------------|----------|----------|---------|
| POLE No.                    | TYPE OF POLE                       | LUMINAIRE VOLTAGE/WATTAGE   | VEHICLE SIGNAL |       |          |        |         | PEDESTRIAN SIGNAL |          |          | REMARKS |
|                             |                                    |   | No.            | TYPE  | MOUNTING | VISORS | LOUVERS | No.               | TYPE     | MOUNTING |         |
| ①                           | 1-A (10')                          |   | 21             | 3S12" | TV-1-T   | T      |         | 28                | 1S-COUNT | SP-1     | APS-2W  |
| ②                           | EXISTING STREET LIGHT              |   | 42             | 3S12" | SV-1-T   | T      |         | 89                | 1S-COUNT | SP-1     | APS-2W  |
| ③                           | 1-A (10')                          |   | 41             | 3S12" | TV-1-T   | T      |         | 48                | 1S-COUNT | SP-1     | APS-2W  |
| ④                           | 1-A (10')                          |   | 62             | 3S12" | TV-1-T   | T      |         | 29                | 1S-COUNT | SP-1     | APS-2W  |
| ⑤                           | 1-A (10')                          |   | 63             | 3S12" | TV-1-T   | T      |         |                   |          |          |         |
| ⑥                           | UNION METAL N7028-B73 STREET LIGHT |  |                |       |          |        |         |                   |          |          |         |
| ⑦                           | 1-A (10')                          |   | 61             | 3S12" | TV-1-T   | T      |         | 68                | 1S-COUNT | SP-1     | APS-2W  |
| ⑧                           | CITY STANDARD STREET LIGHT         |  | 82             | 3S12" | SV-1-T   | T      |         | 49                | 1S-COUNT | SP-1     | APS-2W  |
| ⑨                           | 1-A (10')                          |   | 81             | 3S12" | TV-1-T   | T      |         | 88                | 1S-COUNT | SP-1     | APS-2W  |
| ⑩                           | 1-A (10')                          |   | 22             | 3S12" | TV-1-T   | T      |         | 69                | 1S-COUNT | SP-1     | APS-2W  |
| ⑪                           | 1-A (10')                          |   | 23             | 3S12" | TV-1-T   | T      |         |                   |          |          |         |

SHEET NOTES:

- 1 DISCONNECT AND R/C (E) STREET LIGHT WIRES FOR POLE 2, MAINTAIN (E) STREET LIGHT CIRCUIT. PROVIDE NEW WIRES FOR (E) STREETLIGHT AS SHOWN IN CONDUIT & WIRING SCHEDULE.
- 2 CONTRACTOR SHALL PROTECT SURVEY MONUMENT.
- 3 CONTROLLER SERVICE POINT IS A PG&E DISTRIBUTION BOX LOCATED ON THE SOUTH EAST CORNER, IN FRONT OF 207 DOLORES ST. CONTRACTOR SHALL COORDINATE PG&E THROUGH SFPUC FOR ACTIVATION OF SERVICE CONNECTION.
- 4 SPLICE EXISTING STREET LIGHT WIRING INTO NEW FUSE.

PHASE DIAGRAM



10 0 10 20  
SCALE IN FEET



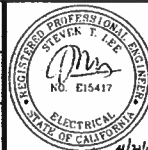
| NO.                | DATE | DESCRIPTION | BY | APP. |
|--------------------|------|-------------|----|------|
| TABLE OF REVISIONS |      |             |    |      |

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS



BUREAU OF DESIGN & ENGINEERING  
CITY & COUNTY OF SAN FRANCISCO  
SAN FRANCISCO PUBLIC WORKS  
30 VAN NESS AVENUE, 8TH FLOOR  
SAN FRANCISCO, CA 94102 - 6028

|                    |                 |          |         |
|--------------------|-----------------|----------|---------|
| Section Mgr:       | PHILIP THWIN    | Date:    | 4/23/18 |
| Deputy Bureau Mgr: | IOBALBHAI DHAPA | Drawn:   | 4/23/18 |
| Bureau Mgr:        | PATRICK RIVERA  | Checked: | 4/24/18 |
|                    |                 | Date:    | 3/2018  |



SCALE:  
AS SHOWN  
SHEET OF SHEETS  
13 OF 43

CONTRACT 64  
NEW TRAFFIC SIGNALS

15TH STREET AND DOLORES STREET  
TRAFFIC SIGNAL WORK  
POLE AND EQUIPMENT SCHEDULE

|              |            |
|--------------|------------|
| CONTRACT NO. | 1000009385 |
| DRAWING NO.  | E-2.0      |
| FILE NO.     | 111,760    |
| REV. NO.     | 0          |

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  | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40  | 41 |
|---------------------|---------------------------------|---|---|----|----|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|-----|----|
| CONDUIT SIZE (INCH) |                                 | 2 | 2 | 2  | 2  | 2 | 2 | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 2  | 2  | 2  | 2  | UNK | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2   | 2   | 2   | 2   | 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | UNK | 3  |
|                     |                                 |   |   |    | SP |   |   |    |    | SP |    |    |    | SP |    | SP |    |    | SP |    | EX  |    | SP |    |    |    | SP | SP | GRS | GRS | GRS | GRS | GRS |    |    | SP |    |    |    |    | EX  |    |
|                     |                                 |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 4   |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
| NOTES               |                                 |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | VEHICLE SIGNAL 22               | 3 |   | 3  |    |   |   | 3  |    |    |    | 3  |    |    | 3  |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | PED SIGNAL 69                   | 2 |   | 2  |    |   |   | 2  |    |    |    | 2  |    |    | 2  |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | APS PPB XING DOLORES ON POLE 10 | 2 |   | 2  |    |   |   | 2  |    |    |    | 2  |    |    | 2  |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | VEHICLE SIGNAL 81               |   | 3 | 3  |    |   |   | 3  |    |    |    | 3  |    |    | 3  |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | PED SIGNAL 88                   |   | 2 | 2  |    |   |   | 2  |    |    |    | 2  |    |    | 2  |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | APS PPB XING 15TH ON POLE 9     |   | 2 | 2  |    |   |   | 2  |    |    |    | 2  |    |    | 2  |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | VEHICLE SIGNAL 82               |   |   |    |    | 3 |   |    | 3  |    |    |    |    | 3  | 3  |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | PED SIGNAL 49                   |   |   |    |    | 2 |   |    | 2  |    |    |    |    | 2  | 2  |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | APS PPB XING 15TH ON POLE 8     |   |   |    |    | 2 |   |    | 2  |    |    |    |    | 2  | 2  |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | VEHICLE SIGNAL 61               |   |   |    |    |   | 3 |    | 3  |    |    |    |    | 3  | 3  |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | PED SIGNAL 68                   |   |   |    |    |   | 2 |    | 2  |    |    |    |    | 2  | 2  |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | APS PPB XING DOLORES ON POLE 7  |   |   |    |    |   | 2 |    | 2  |    |    |    |    | 2  | 2  |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | VEHICLE SIGNAL 63               |   |   |    |    |   |   |    |    |    | 3  |    |    | 3  | 3  |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | VEHICLE SIGNAL 23               |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    | 3  | 3  |    |    |     | 3  |    |    |    |    | 3  |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | VEHICLE SIGNAL 21               |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 3  |     | 3  |    |    |    |    | 3  |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | PED SIGNAL 28                   |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 2  |     | 2  |    |    |    |    | 2  |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | APS PPB XING DOLORES ON POLE 1  |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 2  |     | 2  |    |    |    |    | 2  |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | VEHICLE SIGNAL 42               |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 3   | 3  |    |    |    |    | 3  |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | PED SIGNAL 89                   |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 2   | 2  |    |    |    |    | 2  |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | APS PPB XING 15TH ON POLE 2     |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 2   | 2  |    |    |    |    | 2  |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | VEHICLE SIGNAL 41               |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |    | 3  |    | 3  |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | PED SIGNAL 48                   |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |    | 2  |    | 2  |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | APS PPB FOR XING 15TH ON POLE 3 |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |    | 2  |    | 2  |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | VEHICLE SIGNAL 62               |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |    |    | 3  | 3  |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | PED SIGNAL 29                   |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |    |    | 2  | 2  |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | APS PPB XING DOLORES ON POLE 4  |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |    |    | 2  | 2  |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     |                                 |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | #14 NEUTRAL                     | 2 | 2 |    |    | 2 | 2 |    |    |    |    | 1  |    |    |    |    | 1  |    |    | 2  | 2   |    |    | 2  | 2  |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | #14 SPARE                       |   |   | 3  |    |   |   | 3  |    |    |    | 3  |    |    | 3  |    |    | 3  |    |    |     | 3  |    |    |    |    | 3  |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | TOTAL #14 WIRES                 | 9 | 9 | 17 |    | 9 | 9 | 17 | 14 |    | 4  | 17 | 17 |    | 34 |    | 4  | 6  |    | 9  | 9   | 20 |    | 9  | 9  | 34 |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | #10 WIRES NEUTRAL               |   |   | 1  |    |   |   | 1  | 1  |    |    | 1  | 2  |    | 3  |    |    | 1  |    |    |     | 2  |    |    |    |    |    |    |     |     | 2   | 2   |     |    |    |    |    |    |    |    |     |    |
|                     | #10 WIRES STREET LIGHT          |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | #8 WIRES STREET LIGHT           |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | #8 WIRES (120 V SERVICE)        |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |
|                     | #8 AWG LOCATING WIRES           |   |   |    |    |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |    |    |    |    |    |     |     |     |     |     |    |    |    |    |    |    |    |     |    |

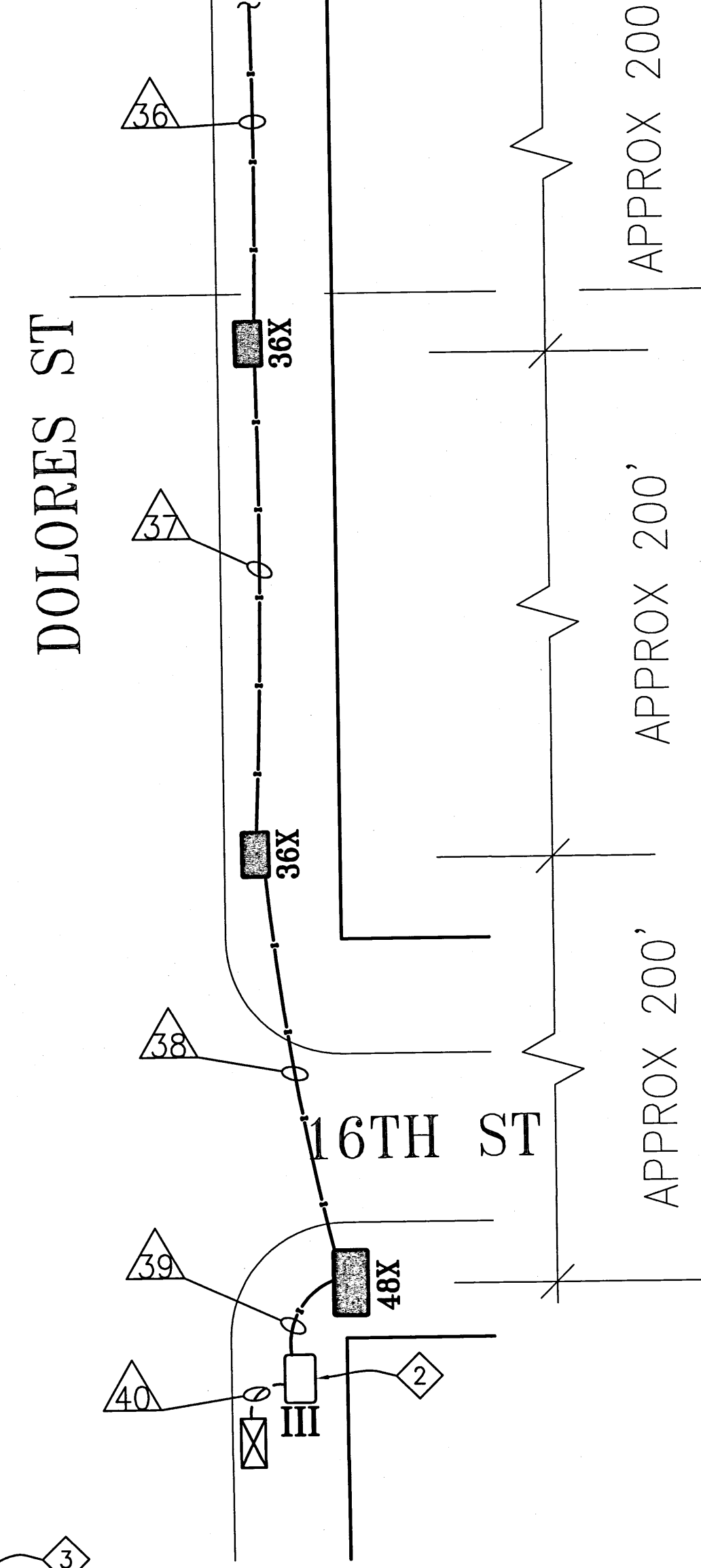
SHEET NOTES:



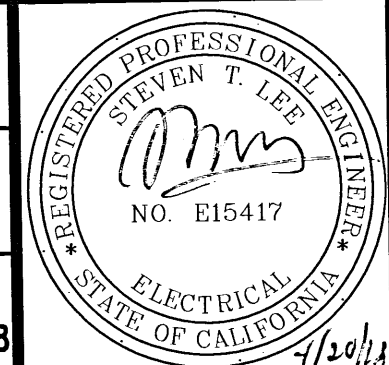
- 1 F/I 4-2" HDPE SCHEDULE 80 CONDUIT WITH 3/8" PULL TAPE IN EACH CONDUIT. IN ONE OF THE EMPTY CONDUITS, INSTALL TWO #8 AWG STRANDED COPPER LOCATING WIRES (ONE WITH BLACK INSULATION AND THE OTHER WITH WHITE INSULATION). SEE SECTION 26-05-00 IN CONTRACT SPECIFICATIONS.
- 2 BRING (N) CONDUIT INTO (E) PULL BOX EXERCISE CAUTION TO AVOID DAMAGE TO (E) PULL BOX
- 3 CONTRACTOR SHALL PROTECT SURVEY MONUMENT.
- 4 SPLICE EXISTING STREET LIGHT WIRING INTO NEW FUSE.

INTERCONNECT WIRING DETAIL

NOT TO SCALE

SEE SHEET  
E-2.0 FOR  
CONTINUATION



|   |  |  |  |   |  |  |  |   |  |  |  |  |  |   |  |   |  |   |  |  |  |
|---|--|--|--|---|--|--|--|---|--|--|--|--|--|---|--|---|--|---|--|--|--|
| REFERENCE INFORMATION & FILE NO. OF SURVEYS |  |  |  |  |  |  |  | BUREAU OF DESIGN & ENGINEERING<br>CITY & COUNTY OF SAN FRANCISCO<br>SAN FRANCISCO PUBLIC WORKS<br>30 VAN NESS AVENUE, 5TH FLOOR<br>SAN FRANCISCO, CA 94102 - 6028 |  | Section Mgr: PHILIP THWIN<br>Deputy Bureau Mgr: IQBALBHAI DHAPA<br>Bureau Mgr: PATRICK RIVERA<br>Date: 4/23/18 |  | DESIGNED: JD/CMF 3/2018<br>DRAWN: JD/CMF 3/2018<br>CHECKED: CD/SL 3/2018 |  |  |  | SCALE: AS SHOWN<br>SHEET OF SHEETS 14 OF 43 |  | CONTRACT 64<br>NEW TRAFFIC SIGNALS<br>15TH STREET AND DOLORES STREET<br>CONDUIT AND WIRING SCHEDULE |  | CONTRACT NO. 1000009385<br>DRAWING NO. E-2.1<br>FILE NO. 111,761<br>REV. NO. 0 |  |
| TABLE OF REVISIONS                          |  |  |  |   |  |  |  |   |  |  |  |  |  |   |  |   |  |   |  |  |  |