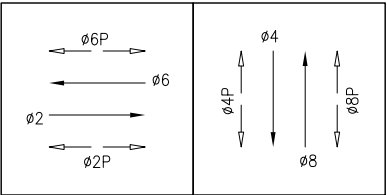


| POLE No. | TYPE OF POLE | FIXTURE TYPE | VEHICLE SIGNAL | | | | PEDESTRIAN SIGNAL | | REMARKS |
|----------|-------------------------|--------------|----------------|-------|----------|--------|-------------------|----------|---------|
| | | | No. | TYPE | MOUNTING | VISORS | No. | TYPE | |
| ① | STEEL STREET LIGHT POLE | A 108 | 81 | 3S12" | SV-1-T | T | 88 | 1S-COUNT | SP-1 |
| ② | (E) MUNI OCS POLE | | 22 | 3S12" | SV-1-T | T | 69 | 1S-COUNT | SP-1 |
| ③ | 1-A (10') | | 21 | 3S12" | TV-1-T | T | 28 | 1S-COUNT | SP-1 |
| ④ | STEEL STREET LIGHT POLE | A 108 | 42 | 3S12" | SV-1-T | T | 89 | 1S-COUNT | SP-1 |
| ⑤ | 1-A (10') | | 41 | 3S12" | TV-1-T | T | 48 | 1S-COUNT | SP-1 |
| ⑥ | STEEL STREET LIGHT POLE | A 108 | 62 | 3S12" | SV-1-T | T | 29 | 1S-COUNT | SP-1 |
| ⑦ | STEEL STREET LIGHT POLE | A 108 | 61 | 3S12" | SV-1-T | T | 68 | 1S-COUNT | SP-1 |
| ⑧ | 1-A (10') | | 82 | 3S12" | TV-1-T | T | 49 | 1S-COUNT | SP-1 |

SHEET NOTES:

- Ⓐ PRIOR TO SIGNAL ACTIVATION, CONTACT SFMTA FOR REMOVAL OF STOP SIGN AND PAVEMENT MARKING.
- Ⓑ REMOVE AS CONTRACTOR'S PROPERTY EXISTING STREET LIGHT WIRES. RECONNECT EXISTING STREET LIGHT FIXTURE PER WIRING SCHEDULE.
- Ⓒ ABANDON EXISTING CONDUIT. CUT WIRING AND CONDUIT TO FACE OF PULLBOX AND CAP BOTH ENDS
- Ⓓ COORDINATE WITH PUC TO VERIFY AND MAINTAIN SERVICE TO OTHER EQUIPMENT. COORDINATE WITH PG&E VIA PUC FOR DE-ENERGIZATION OF EXISTING STREET LIGHT SERVICE AFTER NEW SERVICE IS IN OPERATION.
- Ⓔ COORDINATE WITH PG&E VIA SFPUC TO SUBMIT SERVICE ORDER FOR REMOVAL OF LIGHT FIXTURE FROM PG&E WOOD POLE AFTER STREET LIGHTS HAVE BEEN ENERGIZED.
- Ⓕ FIELD VERIFY EXACT STUB OUT LOCATION. REFER TO PROJECT 2264J REFERENCE DRAWING.
- Ⓖ FIELD VERIFY EXACT STUB UP LOCATION. REFER TO PROJECT 2264J REFERENCE DRAWING.
- Ⓗ SPLICE STREET LIGHT SERVICE INTO EXISTING STREET LIGHT CIRCUIT TO MAINTAIN SERVICE TO STREET LIGHT WEST ON INTERSECTION.
- Ⓘ SEE FIXTURE SCHEDULE ON E-0.4.
- Ⓙ CONTRACTOR TO PROVIDE APS WIRING. CITY FORCES TO PROVIDE APS PUSH BUTTON PER ADA REQUIREMENTS.

PHASE DIAGRAM



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 ONLY AS CLEARLY MARKED ON THIS DRAWING AND ISSUED UNDER THIS LATEST REVISION NUMBER AS SHOWN IN THE TABLE OF REVISIONS LOCATED AT THE LOWER LEFT CORNER OF THE DRAWING. ALL ISSUED REVISIONS SUBSEQUENT TO PREVIOUSLY PLOTTED DRAWING DURING BIDDING REMAIN VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS. CHECK ALL ISSUED REVISIONS OF THIS DRAWING.

| NO. | DATE | DESCRIPTION | BY | APP. |
|-----|---------|------------------------------------|----|------|
| 2 | 10/1/19 | PCO 2: POLE LAYOUT CHANGE/SP POLES | DG | SL |
| 1 | 9/5/19 | PCO 1: APS ADDITION | DG | SL |

THIS DRAWING WAS LAST MODIFIED: 10/10/19 14:43, BY: dgargaritano

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



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

| | |
|--------------------|-----------------|
| Section Mgr: | PHILIP THWIN |
| Deputy Bureau Mgr: | IQBALBHAI DHAPA |
| Bureau Mgr: | PATRICK RIVERA |

| | |
|-----------|---------|
| DESIGNED: | DATE: |
| DG/CL | 01/2019 |
| DRAWN: | DATE: |
| DG/CL | 01/2019 |
| CHECKED: | DATE: |
| SL/KK | 01/2019 |



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|-----------------|
| SCALE: |
| AS SHOWN |
| SHEET OF SHEETS |
| 11 OF 21 |

LOWER HAIGHT TRAFFIC SIGNALS

HAIGHT STREET AND WEBSTER STREET
TRAFFIC SIGNAL PLAN

| | |
|--------------|------------|
| CONTRACT NO. | 1000013166 |
| DRAWING NO. | E-2.0 |
| FILE NO. | 113,604 |
| REV. NO. | 2 |

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 | | | | |
|---------------------|-----------------------------|-----|---|----|----|-----|---|----|----|----|-----|----|----|----|----|-----|----|----|----|----|----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|--|--|--|--|
| CONDUIT SIZE (INCH) | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | | | | |
| | | GRS | | | SP | GRS | | | SP | SP | GRS | | | | X | GRS | | | X | SP | SP | GRS | GRS | GRS | | GRS | GRS | GRS | GRS | GRS | | | | | |
| NOTES | | | | EX | EX | | | EX | EX | EX | EX | EX | EX | EX | EX | EX | EX | EX | EX | EX | EX | EX | EX | EX | | | | EX | | | | | | | |
| | VEHICLE SIGNAL 62 | 3 | | 3 | | | | 3 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PED SIGNAL 29 | 2 | | 2 | | | | 2 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | VEHICLE SIGNAL 41 | | 3 | 3 | | | | 3 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PED SIGNAL 48 | | 2 | 2 | | | | 2 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | VEHICLE SIGNAL 42 | | | | | 3 | | | | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| | PED SIGNAL 89 | | | | | 2 | | | | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | VEHICLE SIGNAL 21 | | | | | | 3 | | | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| | PED SIGNAL 28 | | | | | 2 | | | | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | VEHICLE SIGNAL 61 | | | | | | | | | | | 3 | | | 3 | | | | | 3 | | | | | | | 3 | | | | | | | | |
| | PED SIGNAL 68 | | | | | | | | | | | 2 | | | 2 | | | | | 2 | | | | | | | 2 | | | | | | | | |
| | VEHICLE SIGNAL 82 | | | | | | | | | | | | 3 | | 3 | | | | | 3 | | | | | | | | | | | | | | | |
| | PED SIGNAL 49 | | | | | | | | | | | 2 | | 2 | | | | | | 2 | | | | | | | | | | | | | | | |
| | VEHICLE SIGNAL 81 | | | | | | | | | | | | | | | | 3 | | | 3 | | | | | | | | | | | | | | | |
| | PED SIGNAL 88 | | | | | | | | | | | | | | | | 2 | | | 2 | | | | | | | | | | | | | | | |
| | VEHICLE SIGNAL 22 | | | | | | | | | | | | | | | | | 3 | | 3 | | | | | | | | | | | | | | | |
| | PED SIGNAL 69 | | | | | | | | | | | | | | | | 2 | | 2 | | | | | | | | | | | | | | | | |
| | APS ON POLE 6 | 2 | | 2 | | | | 2 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | APS ON POLE 5 | | 2 | 2 | | | | 2 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | APS ON POLE 4 | | | | | 2 | | | | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | APS ON POLE 3 | | | | | | 2 | | | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | APS ON POLE 7 | | | | | | | | | | | 2 | | | 2 | | | | | 2 | | | | | | | 2 | | | | | | | | |
| | APS ON POLE 8 | | | | | | | | | | | | 2 | | 2 | | | | | 2 | | | | | | | | | | | | | | | |
| | APS ON POLE 1 | | | | | | | | | | | | | | | | 2 | | | 2 | | | | | | | | | | | | | | | |
| | APS ON POLE 2 | | | | | | | | | | | | | | | | 2 | | 2 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | #14 NEUTRAL | 2 | 2 | | | 2 | | | | | | | 2 | | | | 2 | 2 | | | | | | | | | 2 | | | | | | | | |
| | #14 SPARE | | | 3 | | | | 3 | | 3 | | | | | 3 | | | | | 3 | | | | | | | | | | | | | | | |
| | TOTAL #14 WIRES | 9 | 9 | 17 | | 9 | 7 | 17 | 14 | 31 | | 7 | 9 | 17 | | 9 | 9 | 31 | | | | | | | | | 9 | | | | | | | | |
| | #10 WIRES NEUTRAL | | | 1 | | | 1 | 1 | 1 | 2 | | 1 | | 1 | | | | | 2 | | | | | | | | | | | | | | | | |
| | #10 WIRES STREET LIGHT | 2 | | | | 2 | | | | | | | | | | 2 | | | | | | | | | | | 2 | 2 | | | | | | | |
| | #8 WIRES STREET LIGHT | | | | | | | | | | | 2 | | | | | | | | | | 2 | 2 | 2 | | | | | | 2 | 2 | | | | |
| | #8 WIRES (120V SL SERVICE) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | #8 WIRES (120V TS SERVICE) | | | | X | | | | X | X | | | | | 2 | | | | | 2 | | | | | | | | | | | | | | | |
| | #8 WIRES (120/240V SERVICE) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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NOTE;
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PLOTTED AND ISSUED PREVIOUSLY DURING BIDDING. THE
SIGNED DRAWING REMAINS VALID EXCEPT FOR THE CHANGES
ONLY AS CLEARLY MARKED ON THIS DRAWING AND ISSUED
UNDER THIS LATEST REVISION NUMBER AS SHOWN IN THE
TABLE OF REVISIONS LOCATED AT THE LOWER LEFT CORNER
OF THE DRAWING. ALL ISSUED REVISIONS SUBSEQUENT TO
PREVIOUSLY PLOTTED DRAWING DURING BIDDING REMAIN
VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS.
CHECK ALL ISSUED REVISIONS OF THIS DRAWING.

| NO. | DATE | DESCRIPTION | BY | APP. |
|-----|---------|-----------------------------------|----|------|
| 2 | 10/1/19 | PCO 2:POLE LAYOUT CHANGE/SP POLES | DG | SL |
| 1 | 9/5/19 | PCO 1: APS ADDITION | DG | SL |

TABLE OF REVISIONS

THIS DRAWING WAS LAST MODIFIED: 10/10/19 14:43, BY: dgargaritano

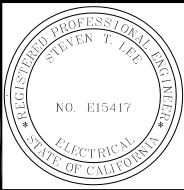
| |
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| REFERENCE INFORMATION & FILE NO. OF SURVEYS |
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BUREAU OF DESIGN & ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

| | |
|--------------------|-----------------|
| Section Mgr: | PHILIP THWIN |
| Deputy Bureau Mgr: | IQBALBHAI DHAPA |
| Bureau Mgr: | PATRICK RIVERA |

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|-----------|---------|
| DESIGNED: | DATE: |
| DG/CL | 01/2019 |
| DRAWN: | DATE: |
| DG/CL | 01/2019 |
| CHECKED: | DATE: |
| SL/KK | 01/2019 |



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|-----------------|
| SCALE: |
| NONE |
| SHEET OF SHEETS |
| 12 OF 21 |

LOWER HAIGHT TRAFFIC SIGNALS

HAIGHT STREET AND WEBSTER STREET
CONDUIT AND WIRING SCHEDULE

| | |
|--------------|------------|
| CONTRACT NO. | 1000013166 |
| DRAWING NO. | E-2.1 |
| FILE NO. | 113,605 |
| REV. NO. | 2 |