

**STREETLIGHT SYMBOLS**

- F/I STREETLIGHT CONDUIT & WIRING  
CONDUIT = 1- 1.5" GRS, UON  
WIRING = 2- #8 AWG, COPPER, TYPE THW INSULATION, UON
- (E) STREETLIGHT CONDUIT & WIRING  
CONDUIT = ABANDON IN PLACE, UON  
WIRING = R & D, UON
- F/I STREETLIGHT PULL BOX: CHRISTY TYPE N16 PULL BOX OR SUB-SIDEWALK BASEMENT PULL BOX, AS SPECIFIED ON PLANS
- (E) STREETLIGHT PULL BOX TO REMAIN
- R & D (E) STREETLIGHT PULL BOX  
CUT CONDUITS 1-FT BELOW GRADE, CAP AND ABANDON
- SEE ET-SERIES PLANS FOR JOINT TS/SL PULL BOX INSTALLATION WORK
- SEE ET-SERIES PLANS FOR I/C CABINET INSTALLATION WORK
- (E) PG&E SERVICE POINT / PULL BOX
- (E) PG&E SERVICE POINT / MANHOLE
- F/I STREETLIGHT POLE AS SPECIFIED ON PLANS
- SEE OV-SERIES PLANS FOR TROLLEY POLE INSTALLATION WORK  
AS SHOWN: TROLLEY POLE No. 1332
- SEE ET-SERIES PLANS FOR TRAFFIC SIGNAL POLE INSTALLATION WORK
- (E) POLE TO REMAIN
- (E) TROLLEY POLE TO REMAIN  
AS SHOWN: TROLLEY POLE No. 214
- R & S SL POLE & FOUNDATION
- SEE OV-SERIES PLANS FOR POLE REMOVAL WORK  
AS SHOWN: TROLLEY POLE No. 1336
- F/I VAN NESS AVENUE ROADWAY LED LUMINAIRE WITH 6-FT STRAIGHT BRACKET ARM & PHOTOELECTRIC CELL PER CONTRACT SPECIFICATIONS  
AS SHOWN: WATTAGE 105W & SL No. 41
- F/I VAN NESS AVENUE PEDESTRIAN LED LUMINAIRE WITH 2-FT STRAIGHT BRACKET ARM & PHOTOELECTRIC CELL PER CONTRACT SPECIFICATIONS  
AS SHOWN: WATTAGE 40W & SL No. 313P
- F/I NON-VAN NESS AVENUE ROADWAY LED LUMINAIRE WITH 6-FT ELLIPTICAL BRACKET ARM & PHOTOELECTRIC CELL PER CONTRACT SPECIFICATIONS  
AS SHOWN: WATTAGE 105W & SL No. 52
- R/RE (E) LUMINAIRE, BRACKET ARM AND ASSOCIATED HARDWARE FROM (E) TO (N) TROLLEY POLE. R & D (E) AND F/I (N) WIRES FROM LUMINAIRE TO NEAREST SPLICE POINT.
- (E) STREETLIGHT TO REMAIN
- R & D STREETLIGHT LUMINAIRE AND BRACKET ARM AND R & D WIRES FROM LUMINAIRE TO NEAREST SPLICE POINT
- STREETLIGHT LUMINAIRE AND BRACKET ARM TO BE REMOVED BY OTHERS. R & D WIRES FROM LUMINAIRE TO NEAREST SPLICE POINT
- F/I GROUND ROD

**STREETLIGHT ABBREVIATIONS**

- BSCW BARE STRANDED COPPER WIRE
- C CONDUIT
- CKT CIRCUIT
- GND GROUND
- GRSC GALVANIZED RIGID STEEL CONDUIT
- HPS HIGH PRESSURE SODIUM
- I/P IN PLACE OF
- LED LIGHT EMITTING DIODE
- LPFH LOW PRESSURE FIRE HYDRANT
- MTD MOUNTED
- MFG MANUFACTURER
- OH or OVH OVERHEAD
- PB PULL BOX
- PED PEDESTRIAN
- PG&E PACIFIC GAS AND ELECTRIC
- REL RELOCATE
- REPL REPLACE
- SL STREETLIGHT
- SP SPARE
- TP TROLLEY POLE
- TS TRAFFIC SIGNAL

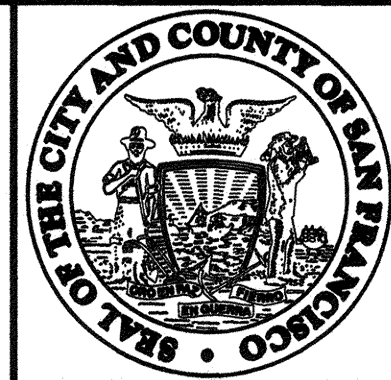
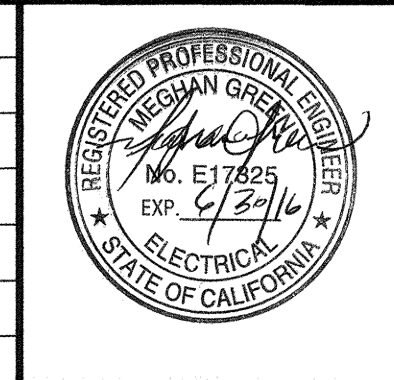
**STREETLIGHT GENERAL NOTES**

1. THESE ELECTRICAL PLANS ARE DIAGRAMMATIC AND CORRECT FOR GENERAL DESIGN ONLY. EXACT LOCATIONS OF POLES, PULL BOXES, AND CONDUIT ROUTING MAY VARY DEPENDING ON THE SITE CONDITIONS AND SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. FOR CLARITY, NOT ALL (E) COMPONENTS ARE SHOWN.
2. CONTRACTOR IS ADVISED THAT THE STREETLIGHTS ON VAN NESS AVENUE BETWEEN MARKET STREET & BUSH STREET ARE ON ONE OF TWO 5KV SERIES LOOP CIRCUITS. SERIES LOOP CIRCUIT 525 ORIGINATES AT PG&E MANHOLE LOCATED AT THE INTERSECTION OF GROVE & FRANKLIN STREETS. SERIES LOOP CIRCUIT 510 ORIGINATES AT PG&E MANHOLE LOCATED AT THE INTERSECTION OF BUSH STREET & VAN NESS AVENUE. SEE SFPUC CITY MAPS FOR (E) STREETLIGHT SERVICE POINT LOCATIONS FOR REFERENCE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING (E) SERVICE POINT INFORMATION TO INCLUDE VOLTAGE, FACILITY TYPE & LOCATION SHOWN ON CONTRACT PLANS AND REFERENCE DRAWINGS.
3. ON WESTERN SIDE OF VAN NESS AVENUE AT JOINT PULL BOXES, PROVIDE PARALLEL BRANCH CIRCUITS FOR EACH OF THE FOLLOWING: 1) STREETLIGHT SAFETY CIRCUIT LUMINAIRES, 2) MID-BLOCK ROADWAY LUMINAIRES, 3) MID-BLOCK PEDESTRIAN LUMINAIRES AND 4) TRAFFIC SIGNAL INTERSECTION CONTROLLER. FIRST SPLICE WORK OF SERVICE WIRES TO PARALLEL BRANCH CIRCUIT WIRES IN A JOINT PULL BOX ON WESTERN SIDE OF VAN NESS AVENUE SHALL BE DONE UNDER THE DIRECTION & SUPERVISION OF BOTH SFPUC STREETLIGHT SHOP AND SFMTA TRAFFIC SIGNAL SHOP PERSONNEL. SEE SL-SERIES PLANS FOR DETAILS. SEE ET-SERIES PLANS FOR TRAFFIC SIGNAL WORK.
4. ON EASTERN SIDE OF VAN NESS AVENUE, PROVIDE PARALLEL BRANCH CIRCUITS AT CITY PULL BOX CLOSEST TO PG&E SERVICE FOR EACH OF THE FOLLOWING: 1) MID-BLOCK ROADWAY LUMINAIRES AND 2) MID-BLOCK PEDESTRIAN LUMINAIRES. FIRST SPLICE WORK OF SERVICE WIRES TO PARALLEL BRANCH CIRCUIT WIRES IN A CITY PULL BOX ON EASTERN SIDE OF VAN NESS AVENUE SHALL BE DONE UNDER THE DIRECTION & SUPERVISION OF SFPUC STREETLIGHT SHOP PERSONNEL. SEE SL-SERIES PLANS FOR DETAILS.
5. SEE DPW STD DWG 87203 "STREETLIGHT SERVICE AND CIRCUIT REQUIREMENTS" FOR FUSING AND WIRING DETAILS.
6. SEE DPW STD DWG 43,665 "TYPICAL: DETAILS OF SPICING OF 600-VOLT MULTI-CONDUCTOR CABLE; DETAILS OF SPICING OF 600-VOLT AND 5000-VOLT THERMOPLASTIC INSULATED SINGLE CONDUCTOR WIRING", FOR MULT-TAP SPLICE DETAILS.
7. BOND GROUND WIRES TO GRS CONDUITS, METAL POLES AND GROUND RODS TO FORM A GROUNDING LAYOUT SYSTEM. GROUND WIRES SHALL BE #6 AWG BARE STRANDED COPPER WIRES, UON.
8. THE CONTRACTOR SHALL VERIFY THE VOLTAGE OF EACH (E) STREETLIGHT LUMINAIRE SO THAT THE (N) STREETLIGHT LUMINAIRE REPLACING THE (E) SHALL HAVE THE SAME VOLTAGE, UON.
9. THE CONTRACTOR SHALL MAINTAIN & KEEP STREETLIGHTS IN OPERATION DURING CONSTRUCTION.
10. STREETLIGHT LUMINAIRE DISTRIBUTION PATTERN TYPE FOR ALL STREETLIGHT ROADWAY LUMINAIRES SHALL BE TYPE III (THREE)/ASYMMETRICAL, UON. STREETLIGHT LUMINAIRE DISTRIBUTION PATTERN TYPE FOR ALL STREETLIGHT PEDESTRIAN LUMINAIRES SHALL BE TYPE II (TWO)/ASYMMETRICAL, UON.
11. WHERE STREETLIGHT SERVICE IS BEING DISCONTINUED, CONTRACTOR IS RESPONSIBLE FOR R & D WIRING BETWEEN CITY PULL BOX AND PG&E FACILITY. CONTRACTOR SHALL COORDINATE WITH PG&E FOR DISCONNECTION OF SERVICE WIRES AT PG&E FACILITY. CONTRACTOR IS ADVISED THAT CERTAIN STREETLIGHT CIRCUITS INCLUDE BOTH VAN NESS AVENUE STREETLIGHTS AND SIDE STREET STREETLIGHTS. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SERVICE FOR SIDE STREET STREETLIGHTS. SEE CITY STREETLIGHT MAPS FOR REFERENCE.
12. NEW CONDUITS RUNNING IN THE SAME DIRECTION MAY BE PLACED IN A JOINT TRENCH. FOR CONDUIT INSTALLATION WORK AT INTERSECTIONS, SEE ET-SERIES PLANS.
13. (N) UNDERGROUND CONDUITS TO BE INSTALLED SHALL MAINTAIN THE REQUIRED CLEARANCE FROM OTHER UTILITIES PER GO 128. (N) POLES AND (N) OVERHEAD WIRES TO BE INSTALLED SHALL MAINTAIN THE REQUIRED CLEARANCE FROM OTHER UTILITIES PER GO 95.
14. PROVIDE MANUFACTURED END CAPS ON ALL RACEWAY ENDS DURING CONSTRUCTION TO PREVENT THE ENTRANCE OF DIRT, DEBRIS AND WATER. TAPE SHALL NOT BE USED FOR THIS PURPOSE.
15. PROVIDE MANUFACTURED DUCT PLUGS WITH RUBBER GASKETS & ROPE TIE DEVICE ON ALL SPARE RACEWAY ENDS AFTER INSTALLATION TO PREVENT THE ENTRANCE OF DUST, SAND, DIRT, DEBRIS, GAS, RODENTS AND WATER. TEMPORARY END CAPS AND/OR TAPE SHALL NOT BE USED FOR THIS PURPOSE.
16. F/I A 3/8" WOVEN MULTI-FIBER POLYESTER PULL TAPE IN ALL EMPTY CONDUITS.
17. F/I SL PULL BOX WITHIN 5- FT OF CORRESPONDING SL POLE BUT NOT IN VEHICULAR DRIVEWAY OR WHERE SUBJECT TO VEHICULAR TRAFFIC.
18. SEE DPW STD DWGS 87201 & 87202 FOR STREETLIGHT PULL BOX INSTALLATION DETAILS. ALL STREETLIGHT PULL BOXES SHALL HAVE A CRUSHED ROCK PAD.
19. FOR ALL (N) SL POLES ON VAN NESS AVENUE SUPPORTING VAN NESS AVENUE LUMINAIRES, SEE SPECIFICATION SECTION 09900 PAINTING AND COATING, SUBSECTION 2.04 B FOR PAINTING REQUIREMENTS.
20. FOR STREETLIGHT POLES SCHEDULED FOR REMOVAL, R & D ENTIRE FOUNDATION IF (N) POLE IS F/I IN SAME LOCATION. OTHERWISE, R & D POLE FOUNDATION 3 FEET FROM GRADE.
21. FOR ALL (N) POLES SUPPORTING STREETLIGHTS, F/I IDENTIFICATION NUMBER PER PUC STD DWG 1277A.
22. SEE G-10 FOR ADDITIONAL SYMBOLS, ABBREVIATIONS, & GENERAL NOTES.

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CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**

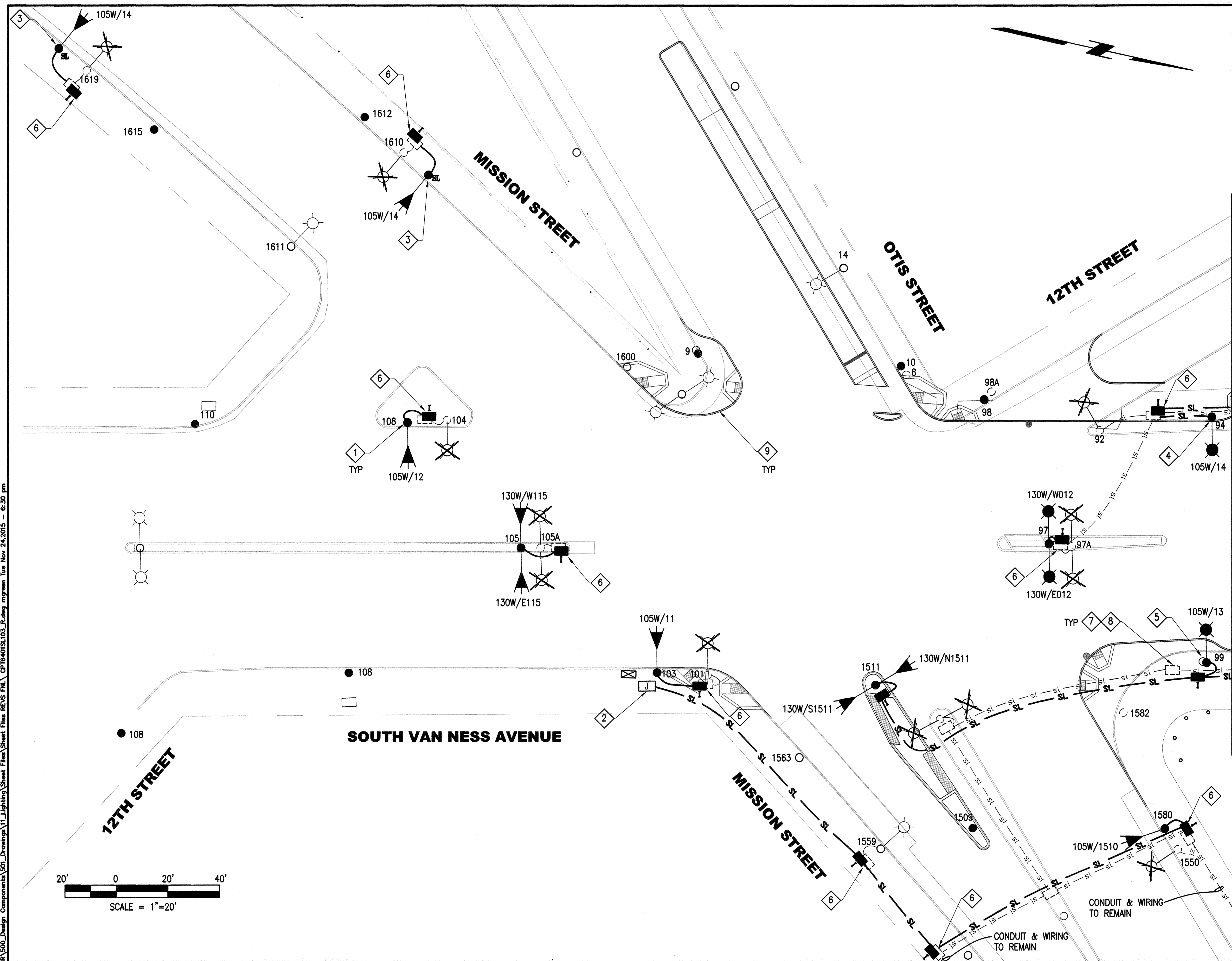
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MUNI BUS RAPID TRANSIT SYSTEM  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**

**STREETLIGHT WORK  
GENERAL NOTES,  
ABBREVIATIONS AND LEGEND**

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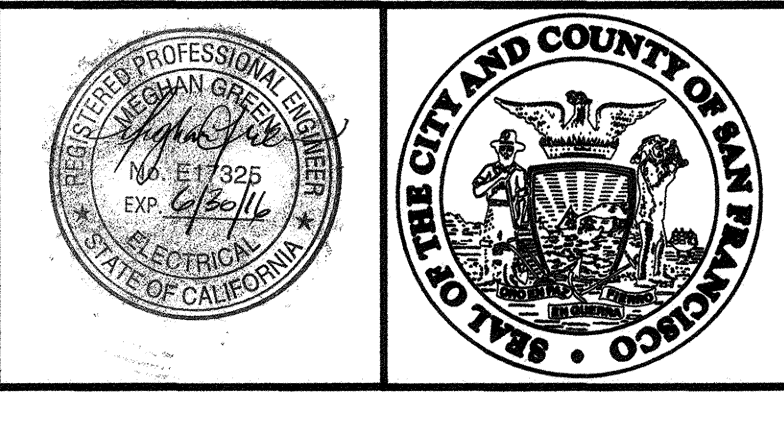


- NOTES:**
- SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
  - PROVIDE (N) SERVICE CONNECTION FOR (E) STREETLIGHT CIRCUIT AT JOINT PULL BOX.
  - F/I STREETLIGHT POLE & FOUNDATION AND ELLIPTICAL BRACKET ARM PER DPW STD DWG 87212.
  - (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/I 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
  - (E) COMBINATION TP/SL POLE SHALL BE REPLACED IN PLACE. PROVIDE TEMPORARY STREETLIGHT UNTIL (N) STREETLIGHT IS FULLY OPERATIONAL.
  - F/I (N) PULL BOX IN PLACE OF (E) PULL BOX TO MAINTAIN (E) SL CIRCUIT FROM ADJACENT PULL BOX(ES). MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
  - R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
  - R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
  - SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.

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CITY AND COUNTY OF SAN FRANCISCO  
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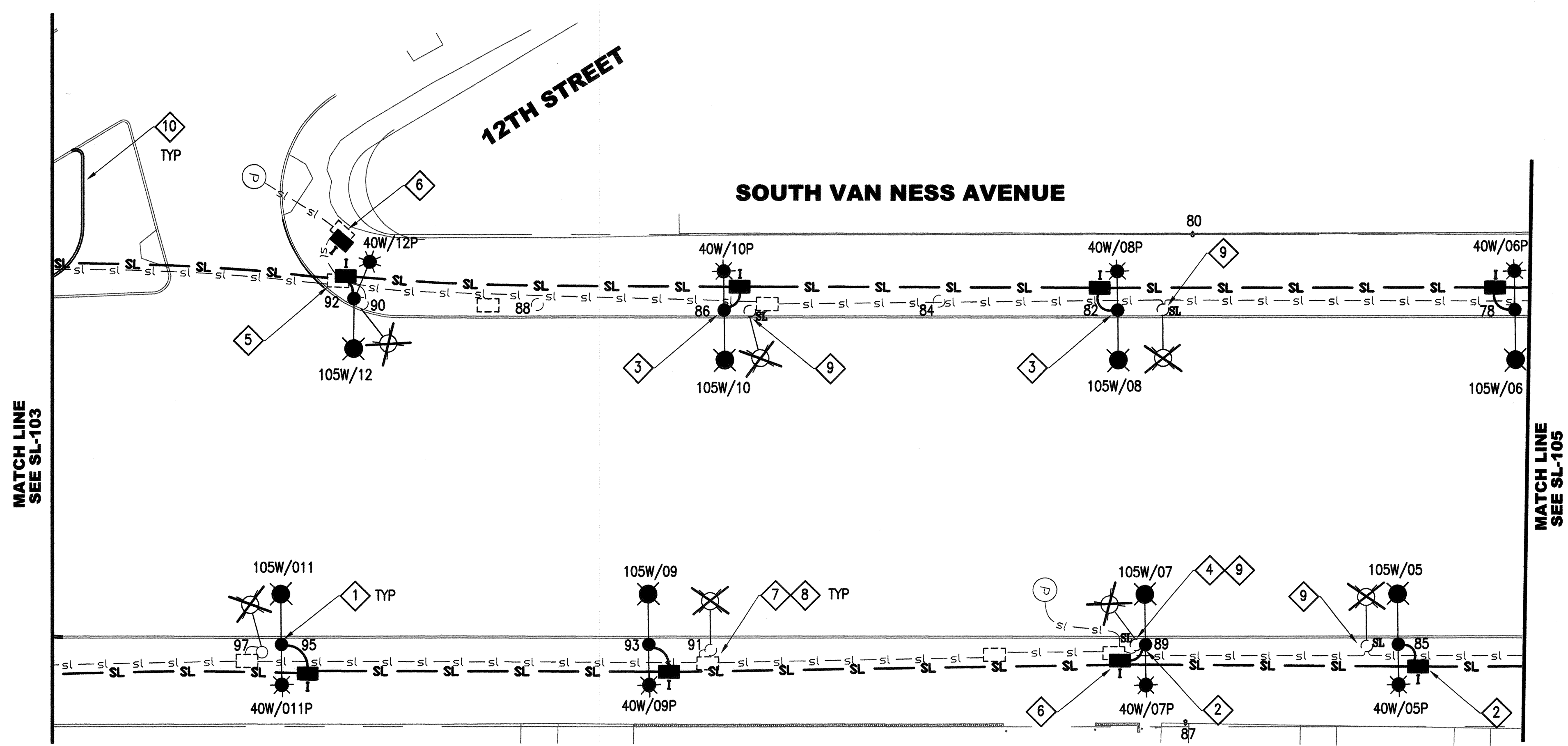
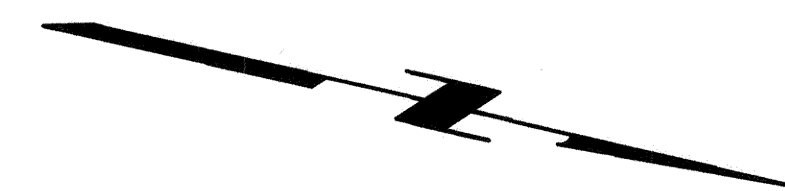
MUNI BUS RAPID TRANSIT SYSTEM  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**  
 STREETLIGHT WORK  
 SOUTH VAN NESS AVENUE  
 AT 12TH AND MISSION STREETS

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**NOTES:**

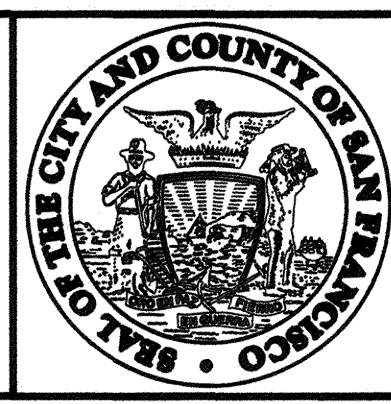
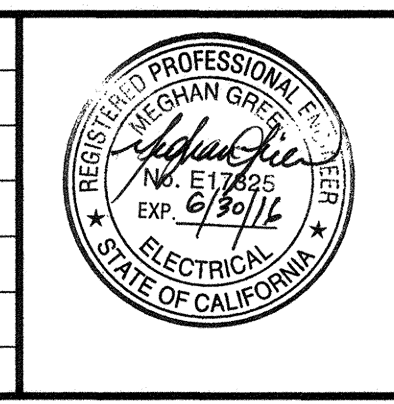
1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
2. F/I SUB-SIDEWALK BASEMENT PULL BOX PER DPW STD DWG 87202.
3. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/I 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
4. (E) SL POLE SHALL BE REPLACED IN PLACE BY (N) COMBINATION TP/SL POLE. PROVIDE TEMPORARY STREETLIGHT UNTIL (N) STREETLIGHT IS FULLY OPERATIONAL.
5. F/I (N) PULL BOX IN PLACE OF (E) PULL BOX TO MAINTAIN (E) SL CIRCUIT FROM ADJACENT PULL BOX(ES). MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
6. F/I (N) PULL BOX IN PLACE OF (E) PULL BOX TO CAPTURE (E) SERVICE WIRES. MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
7. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
8. R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
9. R & D STREETLIGHT POLE & POLE FOUNDATION. PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
10. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



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CITY AND COUNTY OF SAN FRANCISCO  
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MUNI BUS RAPID TRANSIT SYSTEM  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**

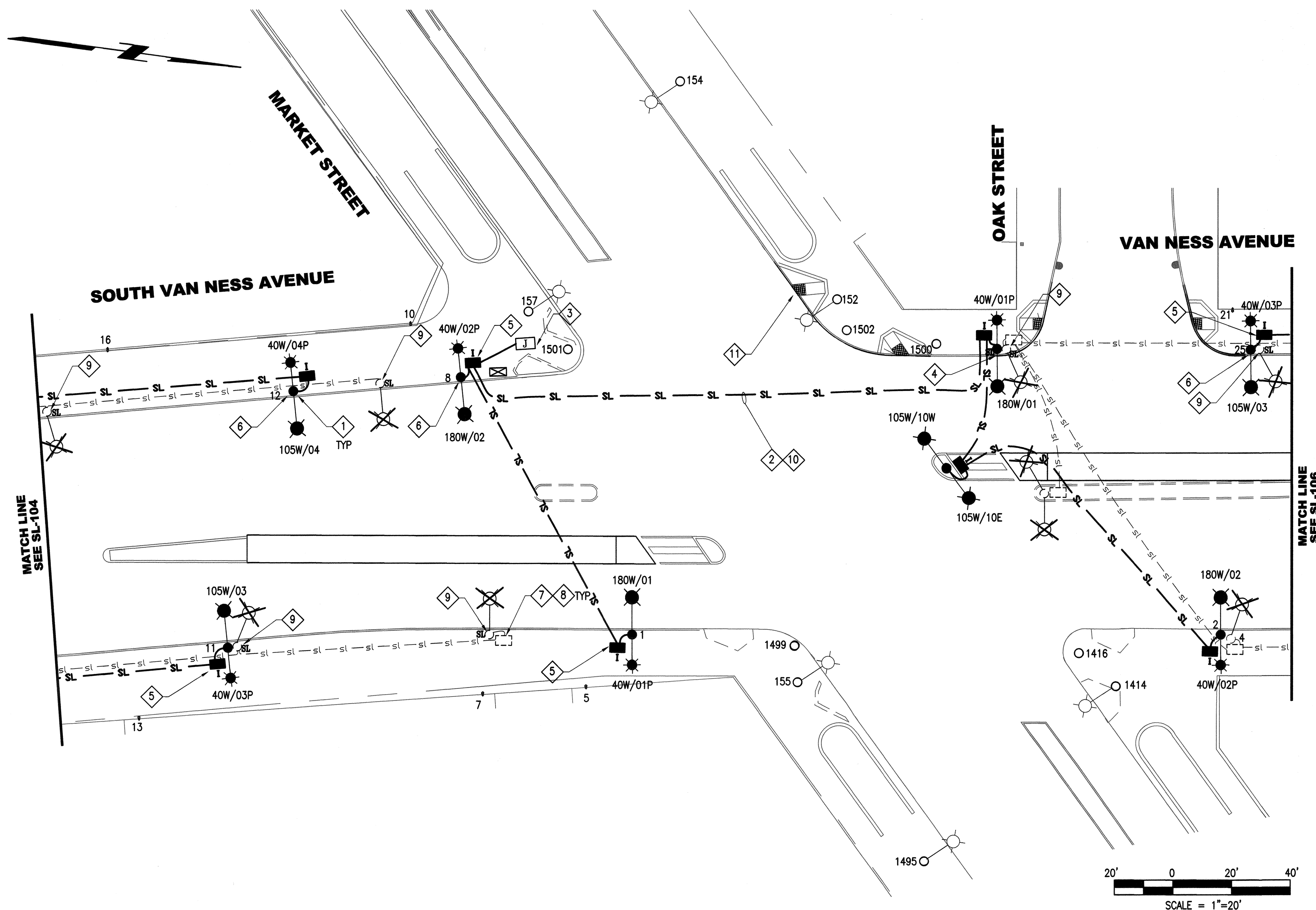
**STREETLIGHT WORK**  
**SOUTH VAN NESS AVENUE**  
**MIDBLOCK BETWEEN 12TH & MARKET STREETS**

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**NOTES:**

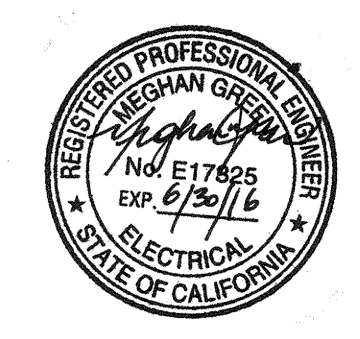
1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
2. STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF ROADWAY STREETLIGHTS FACING VAN NESS AVENUE.
3. PROVIDE SERVICE CONNECTIONS FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. F/1 2- #6 AWG WIRES FROM (N) SERVICE CONNECTION IN JOINT PULL BOX TO SIX (6) ROADWAY LUMINAIRES ON STREETLIGHT SAFETY CIRCUIT. F/1 2- #8 AWG WIRES FOR PEDESTRIAN STREETLIGHT CIRCUIT. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
4. F/1 CALTRANS TYPE 15 STREETLIGHT POLE & POLE FOUNDATION PER CALTRANS STD PLAN ES-6A, CURRENT VERSION. EXCEPTION TO CALTRANS STD PLAN: 2-BOLT SIMPLEX CONNECTIONS FOR ROADWAY AND PEDESTRIAN BRACKET ARMS. SEE ST-SERIES PLANS FOR BRACKET ARM CONNECTION DETAILS.
5. F/1 SUB-SIDEWALK BASEMENT PULL BOX PER DPW STD DWG 87202.
6. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/1 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
7. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
8. R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
9. R & D STREETLIGHT POLE AND POLE FOUNDATION. PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
10. SEE DB-SERIES PLANS FOR STREETLIGHT CONDUITS CROSSING MARKET STREET AT VAN NESS AVENUE FOR INSTALLATION DETAILS.
11. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



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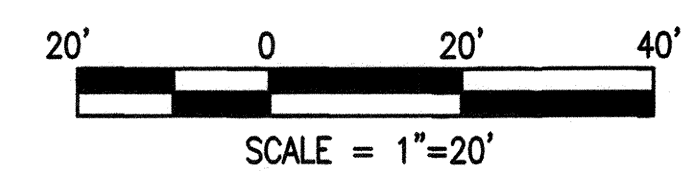
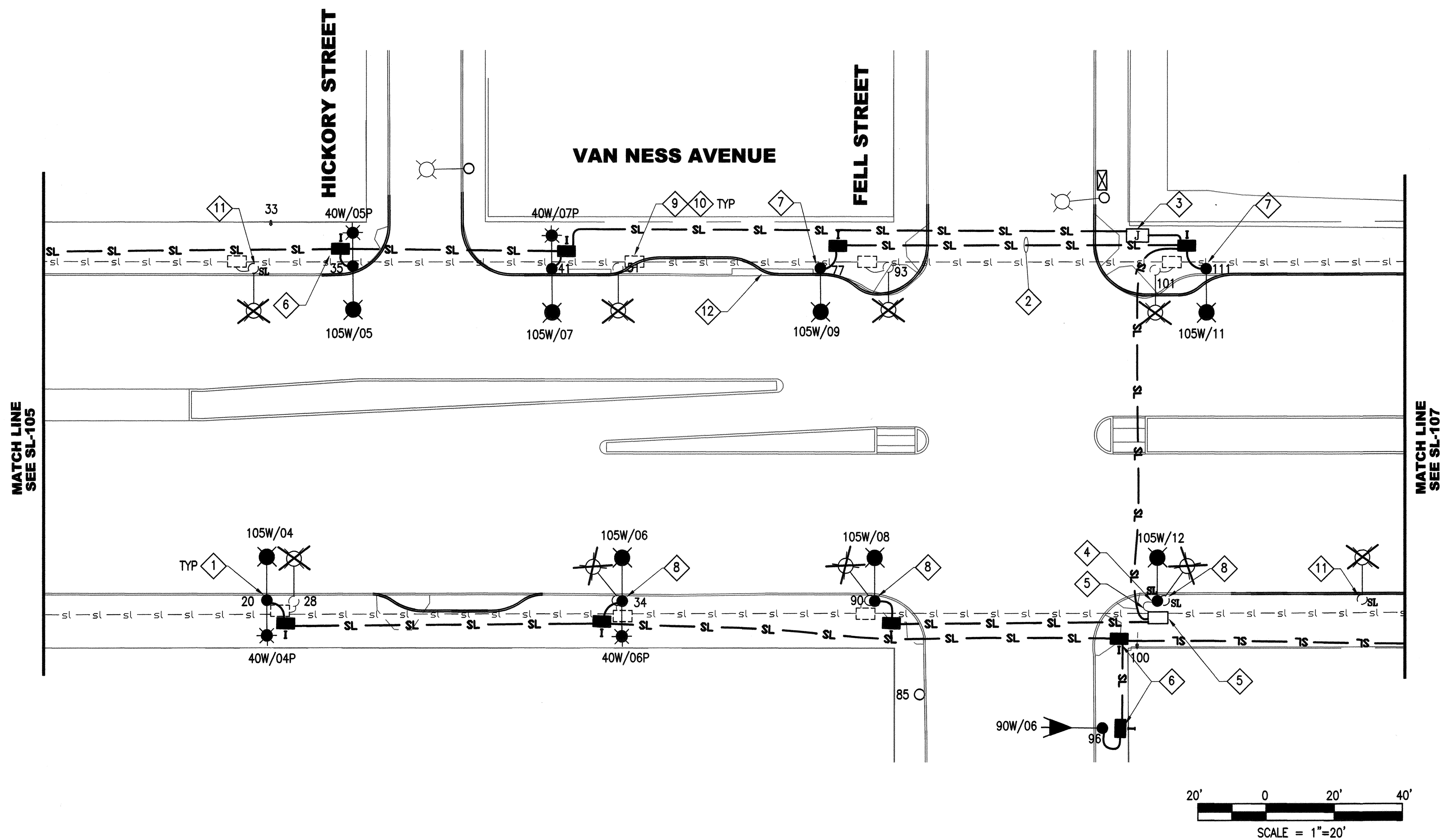
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CITY AND COUNTY OF SAN FRANCISCO  
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MUNI BUS RAPID TRANSIT SYSTEM		1289
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT		CL-28928
STREETLIGHT WORK VAN NESS AVENUE AT MARKET STREET	SL-105	REVISION
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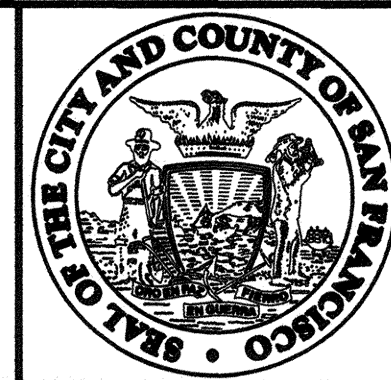
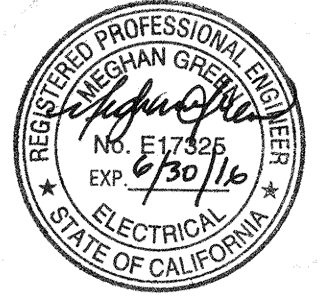


- NOTES:**
- SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
  - STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF FOUR (4) STREETLIGHTS FACING VAN NESS AVENUE (ONE STREETLIGHT PER CORNER).
  - PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
  - R & D (E) STREETLIGHT POLE. F/1 CALTRANS TYPE 15TS STREETLIGHT POLE PER CALTRANS STD PLAN ES-7A, CURRENT VERSION. EXCEPTIONS TO CALTRANS STD PLAN: 1) 2-BOLT SIMPLEX CONNECTION FOR ROADWAY BRACKET ARM AND 2) MODIFICATION OF (E) SPECIAL POLE FOUNDATION TO SUPPORT (N) STREETLIGHT POLE. SEE ST-SERIES PLANS FOR BRACKET ARM CONNECTION DETAILS AND FOR POLE FOUNDATION MODIFICATIONS.
  - ROUTE (N) SL WIRING TO (N) SL POLE VIA (E) SL PULL BOX AND (E) CONDUIT IN (E) SPECIAL STREETLIGHT POLE FOUNDATION.
  - F/1 SUB-SIDEWALK BASEMENT PULL BOX PER DPW STD DWG 87202.
  - (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/1 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
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  - R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
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  - SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.

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 CHECKED: *[Signature]*  
 REVIEWED: *[Signature]*  
 RECOMMENDED: *[Signature]*  
 APPROVED: *[Signature]*  
 DATE: **MAY 18 2016**

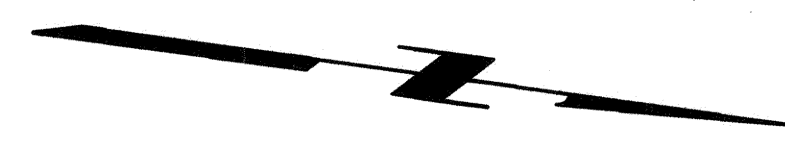


CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**

APPROVED: *[Signature]*  
 for the DIRECTOR OF TRANSPORTATION

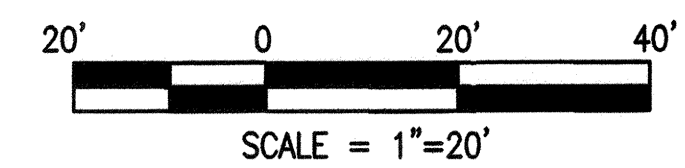
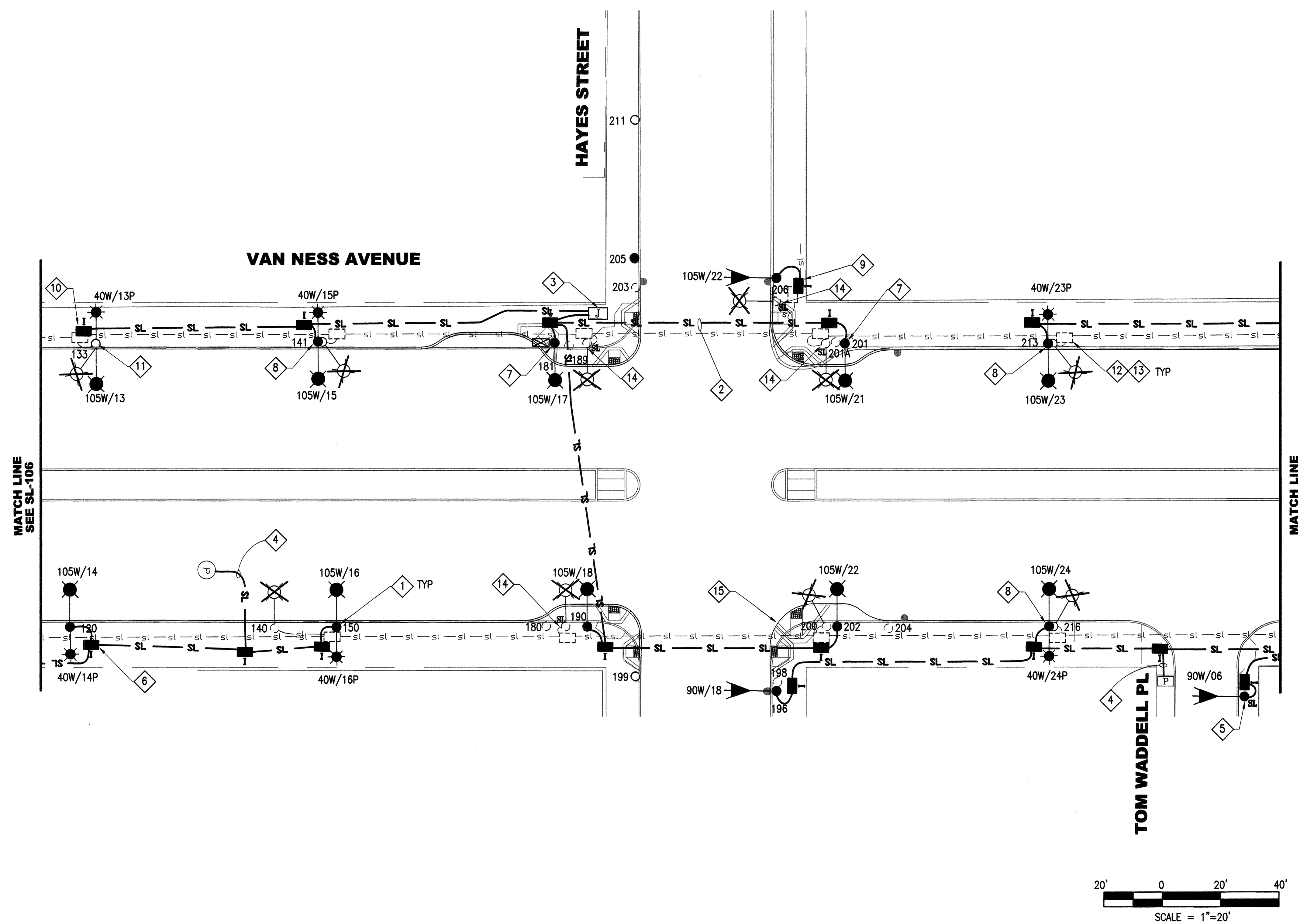
MUNI BUS RAPID TRANSIT SYSTEM		1289
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT		CL-28929
STREETLIGHT WORK VAN NESS AVENUE AT HICKORY AND FELL STREETS		REVISION SL-106 SL-131 0





**NOTES:**

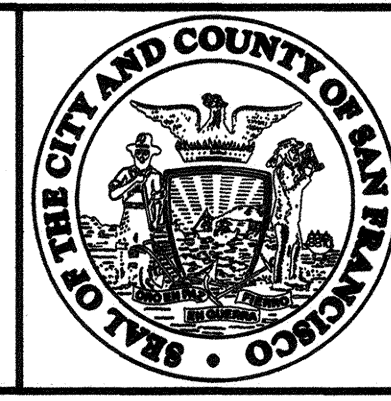
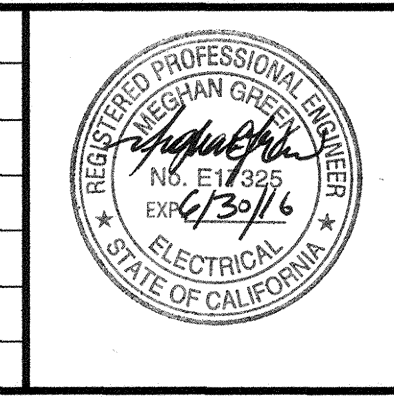
1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
2. STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF FOUR (4) STREETLIGHTS FACING VAN NESS AVENUE (ONE STREETLIGHT PER CORNER).
3. PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
4. F/1 1- 2" PVC CONDUIT WITH 2- #6 AWG WIRES FROM (E) PG&E FACILITY TO (N) CITY PULL BOX. COORDINATE WITH PG&E FOR ENTRY INTO PG&E FACILITY AND FOR PG&E SERVICE CONNECTION.
5. F/1 STREETLIGHT POLE & FOUNDATION AND ELLIPTICAL BRACKET ARM PER DPW STD DWG 87212.
6. F/1 SUB-SIDEWALK BASEMENT PULL BOX PER DPW STD DWG 87202.
7. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/1 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
8. (E) COMBINATION TP/SL POLE SHALL BE REPLACED IN PLACE. PROVIDE TEMPORARY STREETLIGHT UNTIL (N) STREETLIGHT IS FULLY OPERATIONAL.
9. F/1 (N) PULL BOX IN PLACE OF (E) PULL BOX TO MAINTAIN (E) SL CIRCUIT FROM ADJACENT PULL BOX(ES). MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
10. F/1 (N) PULL BOX IN PLACE OF (E) PULL BOX TO CAPTURE (E) CONDUIT RUN TO POLE. MODIFY (E) CONDUITS AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
11. WELD PEDESTRIAN BRACKET ARM CONNECTION TO (E) COMBINATION TP/SL POLE. SEE ST-SERIES PLANS FOR BRACKET ARM CONNECTION DETAILS.
12. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
13. R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
14. R & D STREETLIGHT POLE & POLE FOUNDATION. PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
15. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



I:\CPT1640.1\_Van\_Ness\_BRT\_V2\_CER\300\_Design\_Components\301\_Drawings\11\_Lighting\Sheet\_Files\Revs\_PNL\CPT16401SL107\_R.dwg, ngrgreen, Tue Dec 01 2015 - 6:59 pm  
 BORDER REVISED 11/17/05

NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

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DRAWN <i>Stephen Gray</i>
CHECKED <i>[Signature]</i>
REVIEWED <i>[Signature]</i>
RECOMMENDED <i>[Signature]</i>
APPROVED <i>F. Motomachi</i>
DATE <b>MAY 13 2016</b>



CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**  
 APPROVED  
*[Signature]*  
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**  
 STREETLIGHT WORK  
 VAN NESS AVENUE  
 AT HAYES STREET

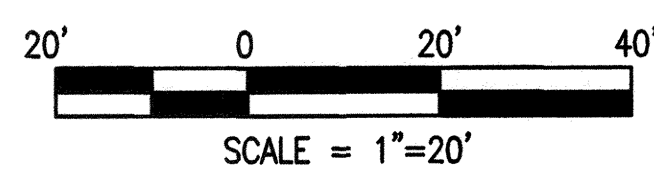
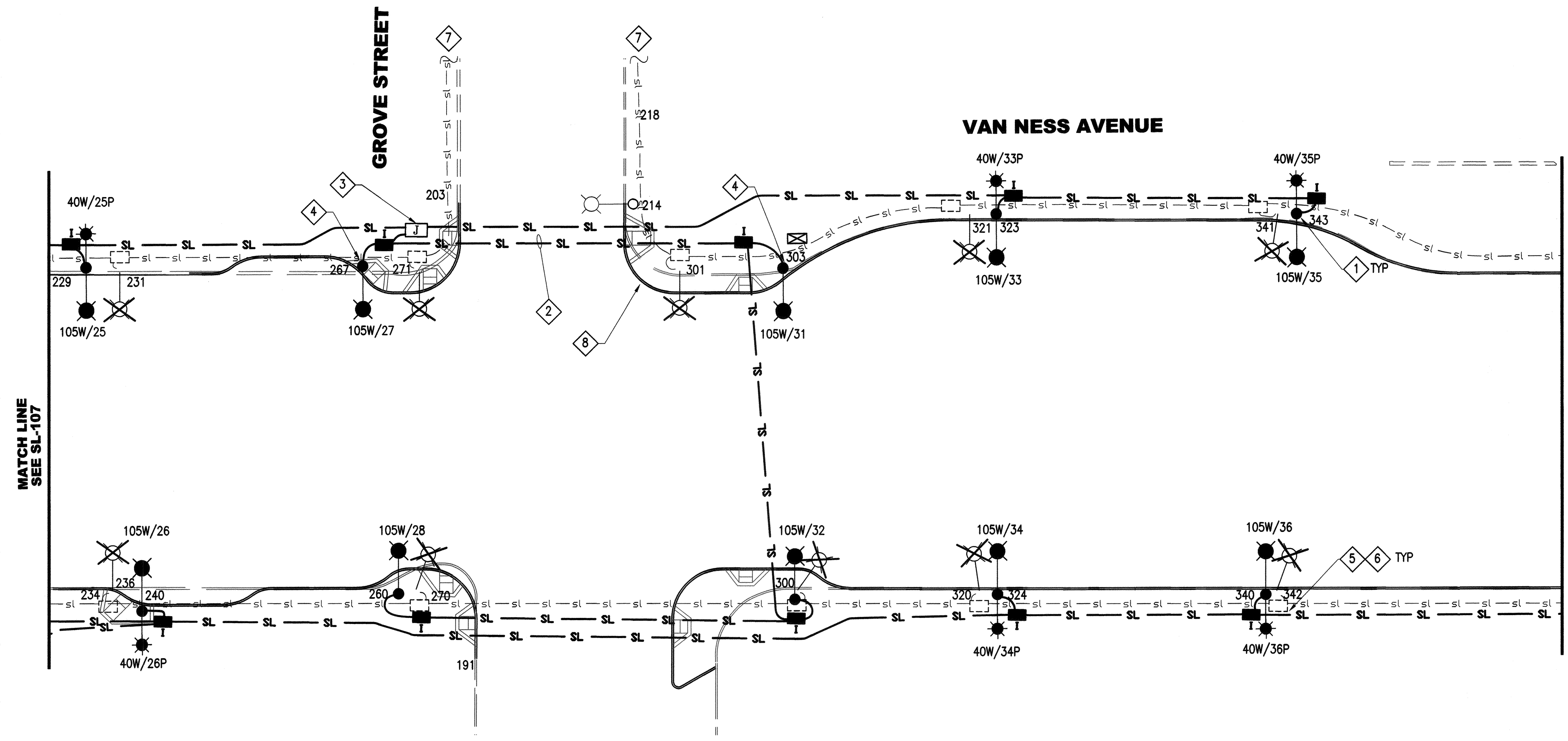
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**NOTES:**

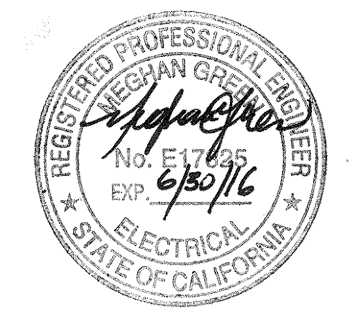
1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
2. STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF FOUR (4) STREETLIGHTS FACING VAN NESS AVENUE (ONE STREETLIGHT PER CORNER).
3. PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
4. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/1 1/2" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
5. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
6. R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
7. (E) PG&E SERVICE POINT IS LOCATED AT INTERSECTION OF GROVE & FRANKLIN AND PROVIDES POWER FOR ONE OF TWO EXISTING 5KV SERIES LOOP CIRCUITS ALONG VAN NESS AVENUE. SEE CITY STREETLIGHT MAPS FOR REFERENCE.
8. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



I:\CPT\6401\_Van Ness BRT\2\_CER\500\_Design Components\501\_Drawings\11\_Lighting\Sheet Files\Sheet Files\Rev\501\_CPT\6401SL108\_R.dwg mgreen Tue Dec 01 2015 7:00 pm

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REVISIONS					

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REVIEWED <i>[Signature]</i>
RECOMMENDED <i>[Signature]</i>
APPROVED <i>[Signature]</i>
DATE <b>MAY 13 2016</b>



CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**

APPROVED  
*[Signature]*  
for the DIRECTOR OF TRANSPORTATION

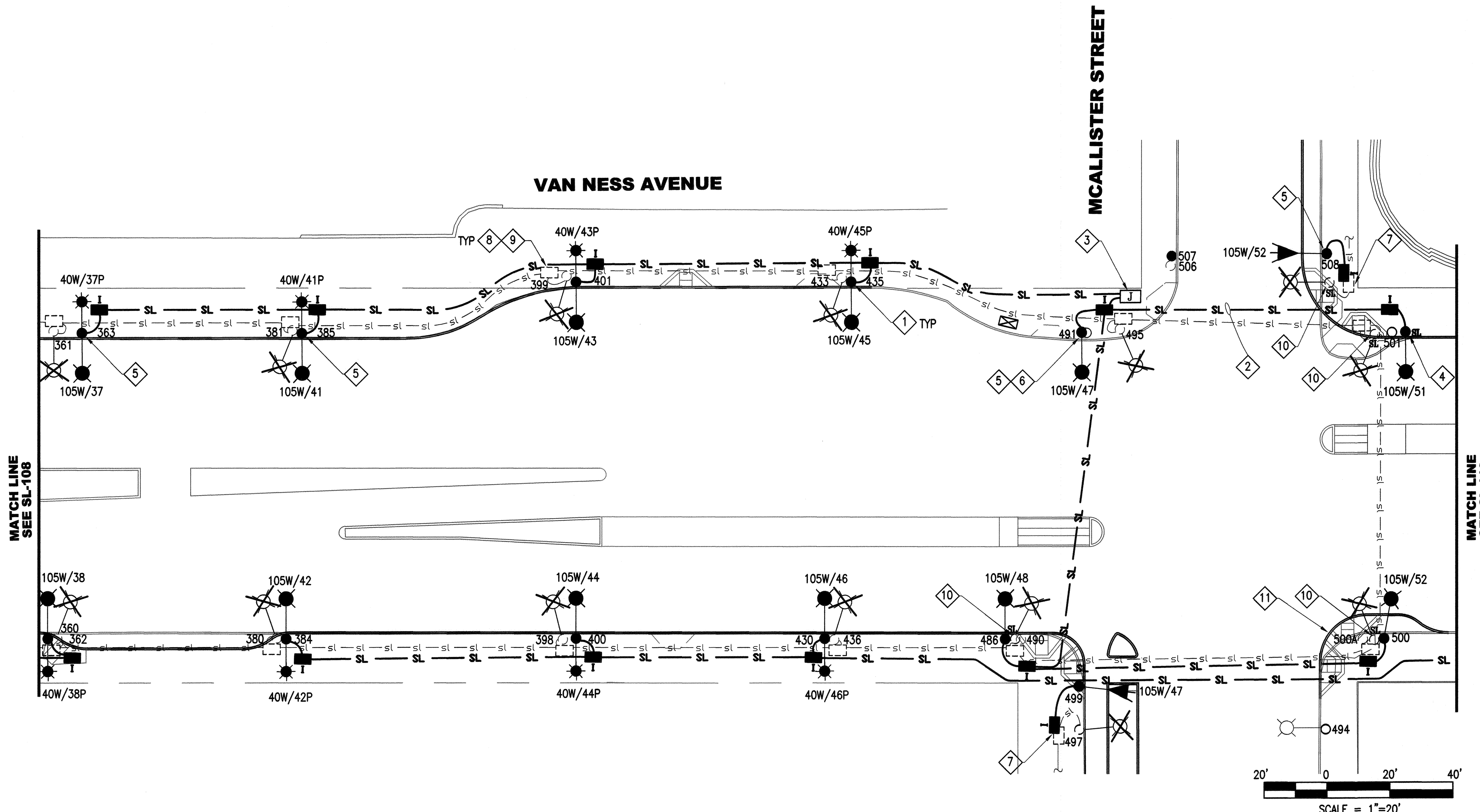
MUNI BUS RAPID TRANSIT SYSTEM	
<b>VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT</b>	
STREETLIGHT WORK VAN NESS AVENUE AT GROVE STREET	REVISION <b>0</b>

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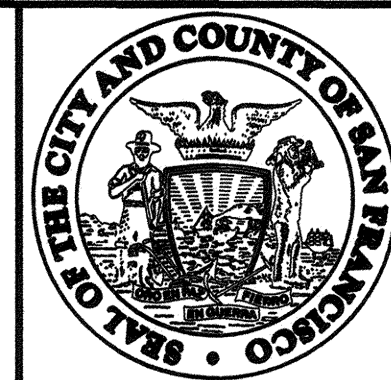
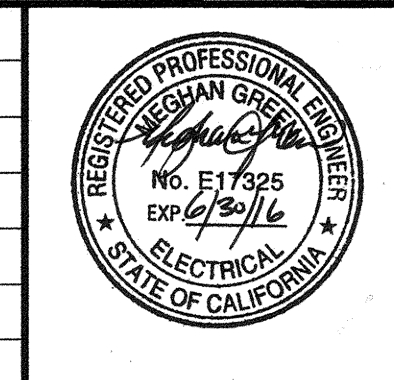
1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
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3. PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
4. F/1 CALTRANS TYPE 15TS STREETLIGHT POLE & POLE FOUNDATION PER CALTRANS STD PLAN ES-7A, CURRENT VERSION. EXCEPTION TO CALTRANS STD PLAN: 2-BOLT SIMPLEX CONNECTION FOR ROADWAY BRACKET ARM. SEE ST-SERIES PLANS FOR BRACKET ARM CONNECTION DETAILS. IN ADDITION TO SL CONDUIT WORK, F/1 1- 2" PVC CONDUIT, ELBOWS & COUPLINGS IN SL POLE FOUNDATION FOR TRAFFIC SIGNAL WIRES.
5. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/1 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
6. (E) COMBINATION TP/SL POLE SHALL BE REPLACED IN PLACE. PROVIDE TEMPORARY STREETLIGHT UNTIL (N) STREETLIGHT IS FULLY OPERATIONAL.
7. F/1 (N) PULL BOX IN PLACE OF (E) PULL BOX TO MAINTAIN (E) SL CIRCUIT FROM ADJACENT PULL BOX(ES). MODIFY (E) CONDUIT AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
8. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
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10. R & D STREETLIGHT POLE & POLE FOUNDATION. PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
11. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



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 BORDER REVISED 11/17/05

NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

DESIGNED: *[Signature]*  
 DRAWN: *[Signature]*  
 CHECKED: *[Signature]*  
 REVIEWED: *[Signature]*  
 RECOMMENDED: *[Signature]*  
 APPROVED: *[Signature]*  
 DATE: **MAY 13 2016**



CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**  
 APPROVED: *[Signature]*  
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**  
 STREETLIGHT WORK  
 VAN NESS AVENUE  
 AT MCALLISTER STREET

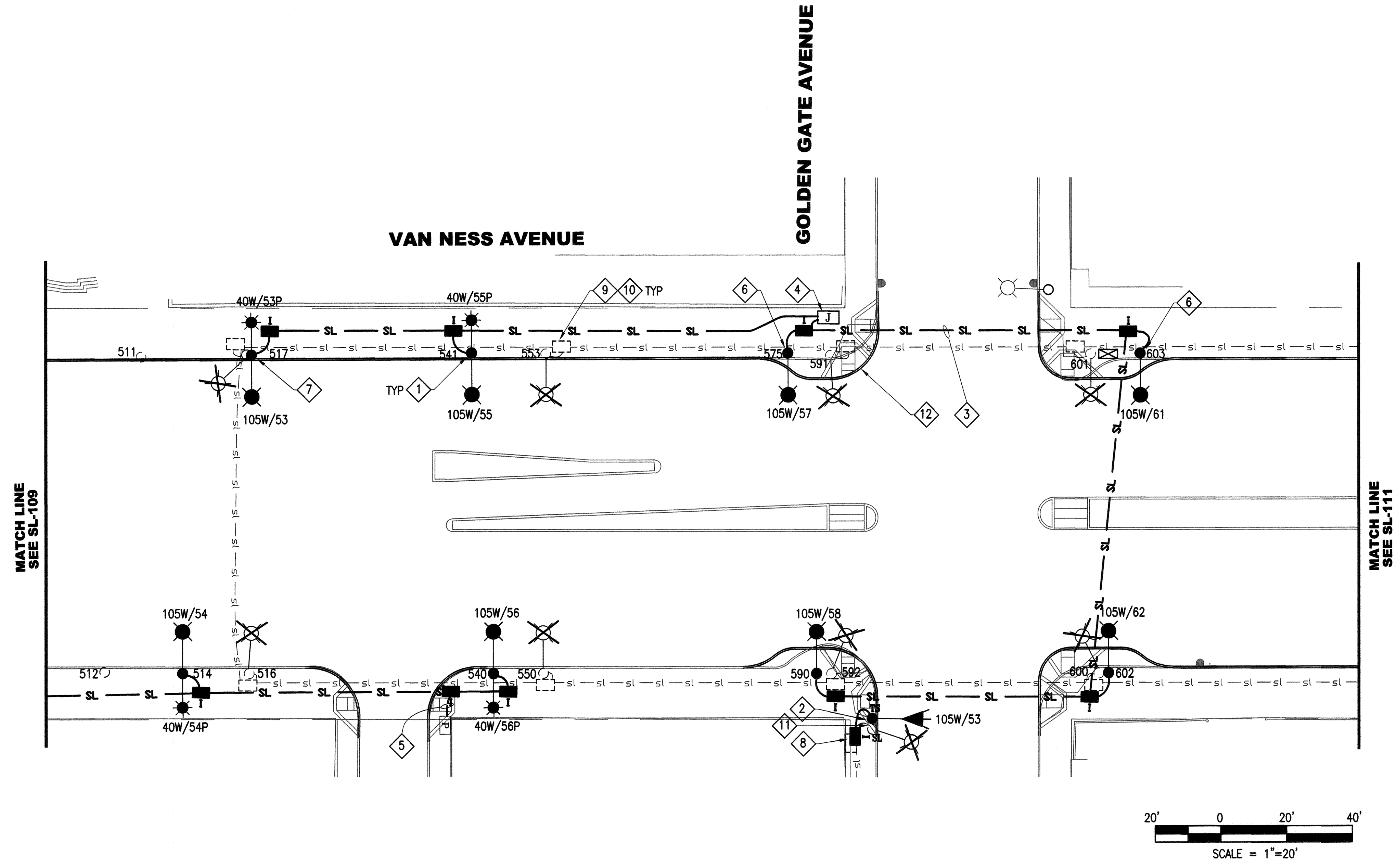
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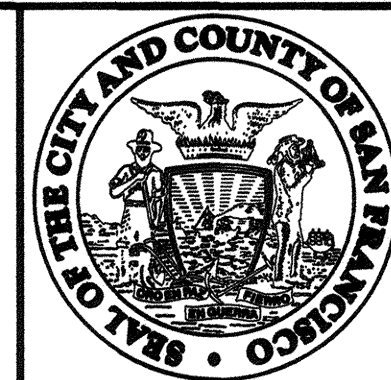
1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
2. SEE ET-SERIES PLANS FOR TRAFFIC SIGNAL POLE INSTALLATION WORK. TRAFFIC SIGNAL POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
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5. F/I 1- 2" PVC CONDUIT WITH 2- #6 AWG WIRES FROM (E) PG&E FACILITY TO (N) CITY PULL BOX. COORDINATE WITH PG&E FOR ENTRY INTO PG&E FACILITY AND FOR PG&E SERVICE CONNECTION.
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9. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
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12. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



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REVIEWED: <i>[Signature]</i>
RECOMMENDED: <i>[Signature]</i>
APPROVED: <i>[Signature]</i>
DATE: MAY 13 2016



CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**  
  
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 for the DIRECTOR OF TRANSPORTATION

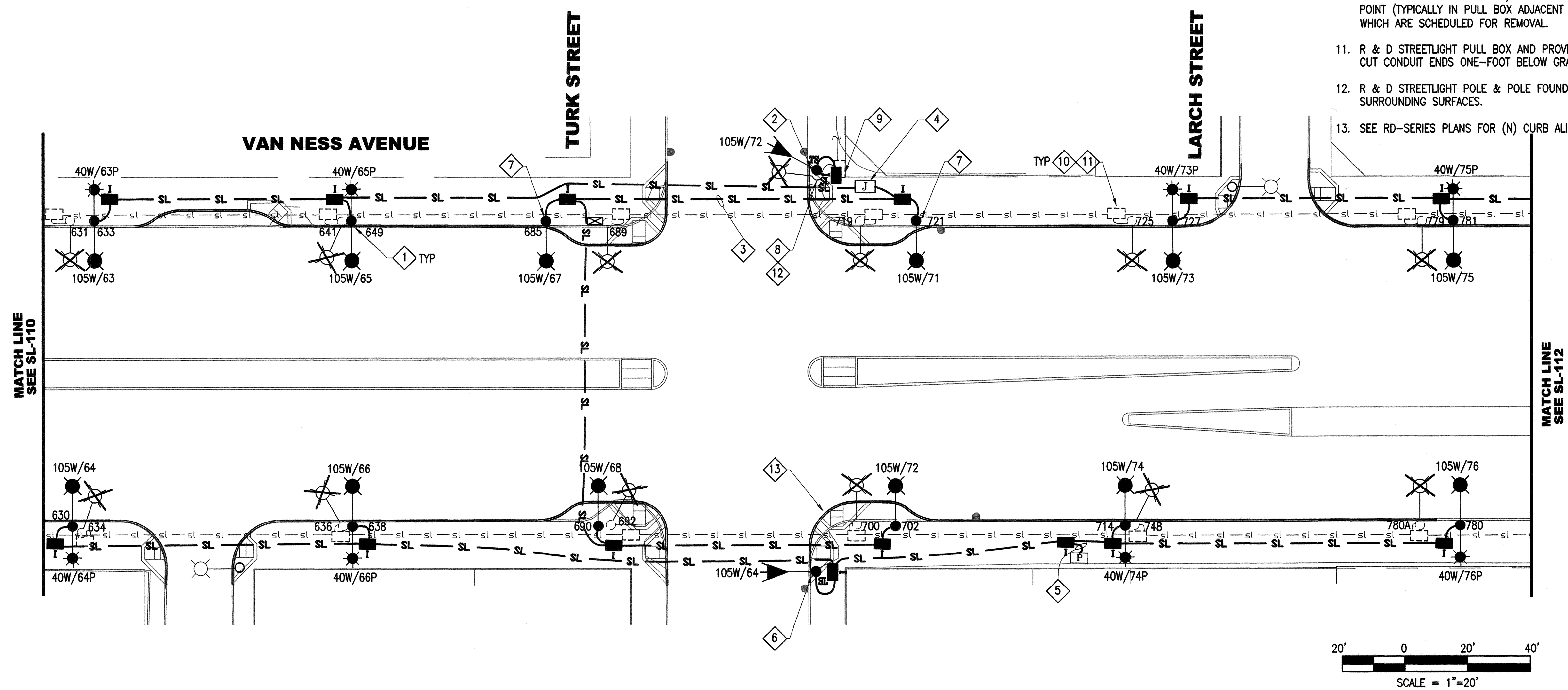
MUNI BUS RAPID TRANSIT SYSTEM
<b>VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT</b>
STREETLIGHT WORK VAN NESS AVENUE AT GOLDEN GATE AVENUE

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REVISION
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**NOTES:**

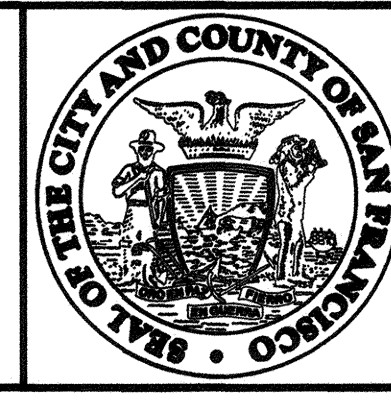
1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
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6. F/1 STREETLIGHT POLE & FOUNDATION AND ELLIPTICAL BRACKET ARM PER DPW STD DWG 87212. IN ADDITION TO SL CONDUIT WORK, F/1 1- 2" PVC CONDUIT, ELBOWS AND COUPLINGS IN SL POLE FOUNDATION FOR TRAFFIC SIGNAL WIRES.
7. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/1 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
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10. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
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13. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



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REVISIONS					

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DRAWN	<i>[Signature]</i>
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REVIEWED	<i>[Signature]</i>
RECOMMENDED	<i>[Signature]</i>
APPROVED	<i>[Signature]</i>
DATE	MAY 13 2016



CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**  
  
 APPROVED  
*[Signature]*  
 for the DIRECTOR OF TRANSPORTATION

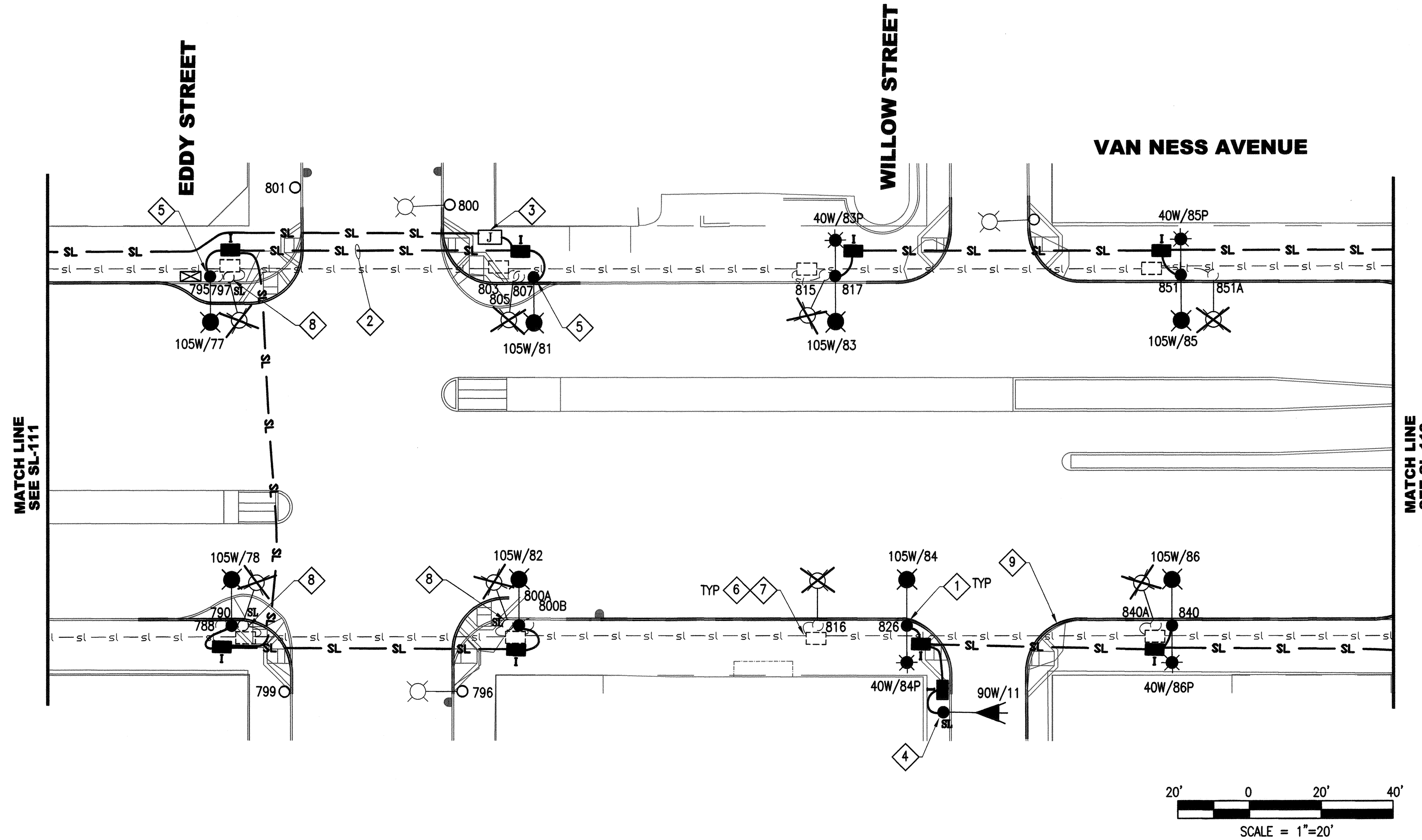
MUNI BUS RAPID TRANSIT SYSTEM  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**  
  
**STREETLIGHT WORK**  
**VAN NESS AVENUE**  
**AT TURK AND LARCH STREETS**

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CL-28934
REVISION
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**NOTES:**

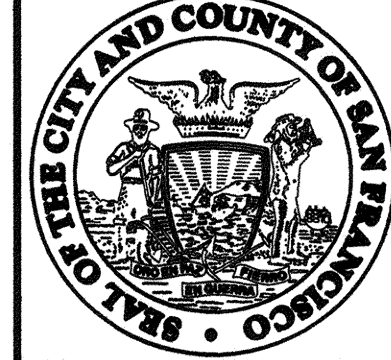
1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
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9. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



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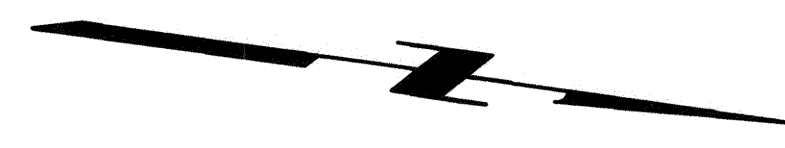
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REVISIONS					

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 DATE: MAY 13 2016



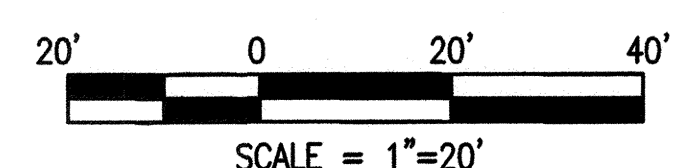
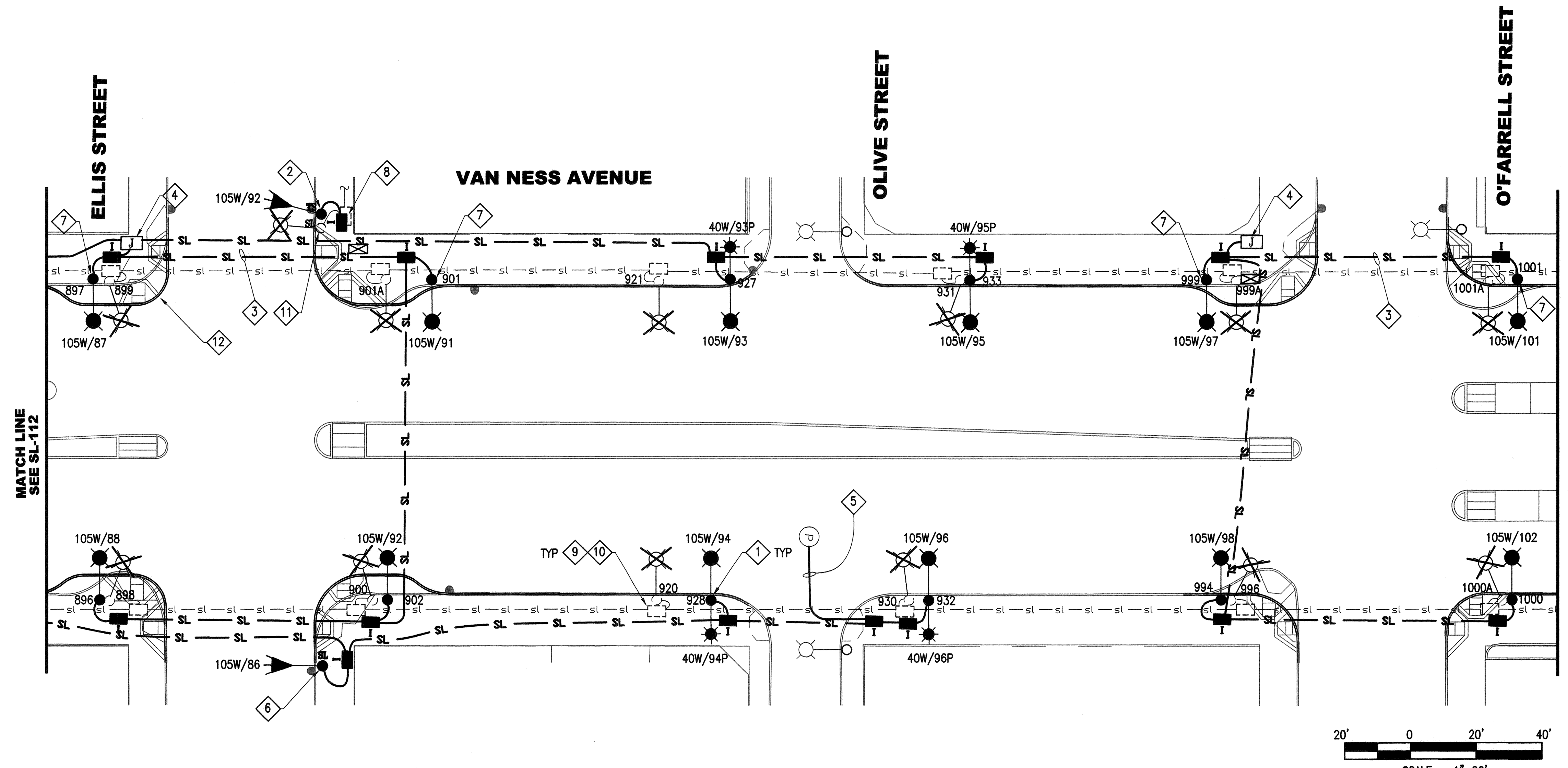
CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**  
 APPROVED: *[Signature]*  
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM		1289
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT		CL-28935
STREETLIGHT WORK VAN NESS AVENUE AT EDDY AND WILLOW STREETS		REVISION
		SL-112 SL-131
		0



**NOTES:**

1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
2. SEE ET-SERIES PLANS FOR TRAFFIC SIGNAL POLE INSTALLATION WORK. TRAFFIC SIGNAL POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
3. STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF FOUR (4) STREETLIGHTS FACING VAN NESS AVENUE (ONE STREETLIGHT PER CORNER).
4. PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
5. F/1 1- 2" PVC CONDUIT WITH 2- #6 AWG WIRES FROM (E) PG&E FACILITY TO (N) CITY PULL BOX. COORDINATE WITH PG&E FOR ENTRY INTO PG&E FACILITY AND FOR PG&E SERVICE CONNECTION.
6. F/1 STREETLIGHT POLE & FOUNDATION AND ELLIPTICAL BRACKET ARM PER DPW STD DWG 87212. IN ADDITION TO SL CONDUIT WORK, F/1 1- 2" PVC CONDUIT, ELBOWS AND COUPLINGS IN SL POLE FOUNDATION FOR TRAFFIC SIGNAL WIRES.
7. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/1 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
8. F/1 (N) PULL BOX IN PLACE OF (E) PULL BOX TO MAINTAIN (E) SL CIRCUIT FROM ADJACENT PULL BOX(ES). MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. SEE ET-SERIES PLANS FOR REMOVAL OF TRAFFIC SIGNAL WIRES FROM (E) PULL BOX.
9. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
10. R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
11. R & D STREETLIGHT POLE & POLE FOUNDATION. PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
12. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



I:\CP16401\_Van\_Ness\_BRT\_V2\_CER\500\_Design\_Components\500\_Drawings\11\_Lighting\Sheet\_Files\Rev\EN\CP16401SL113\_R.dwg mproten Tue Dec 01 2015 - 7:17 pm

NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

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 DATE: **MAY 13 2016**

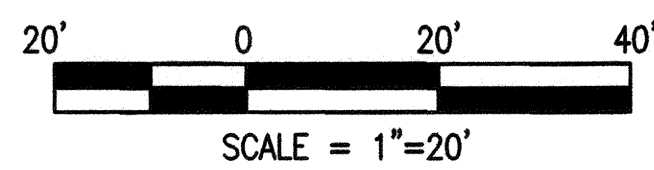
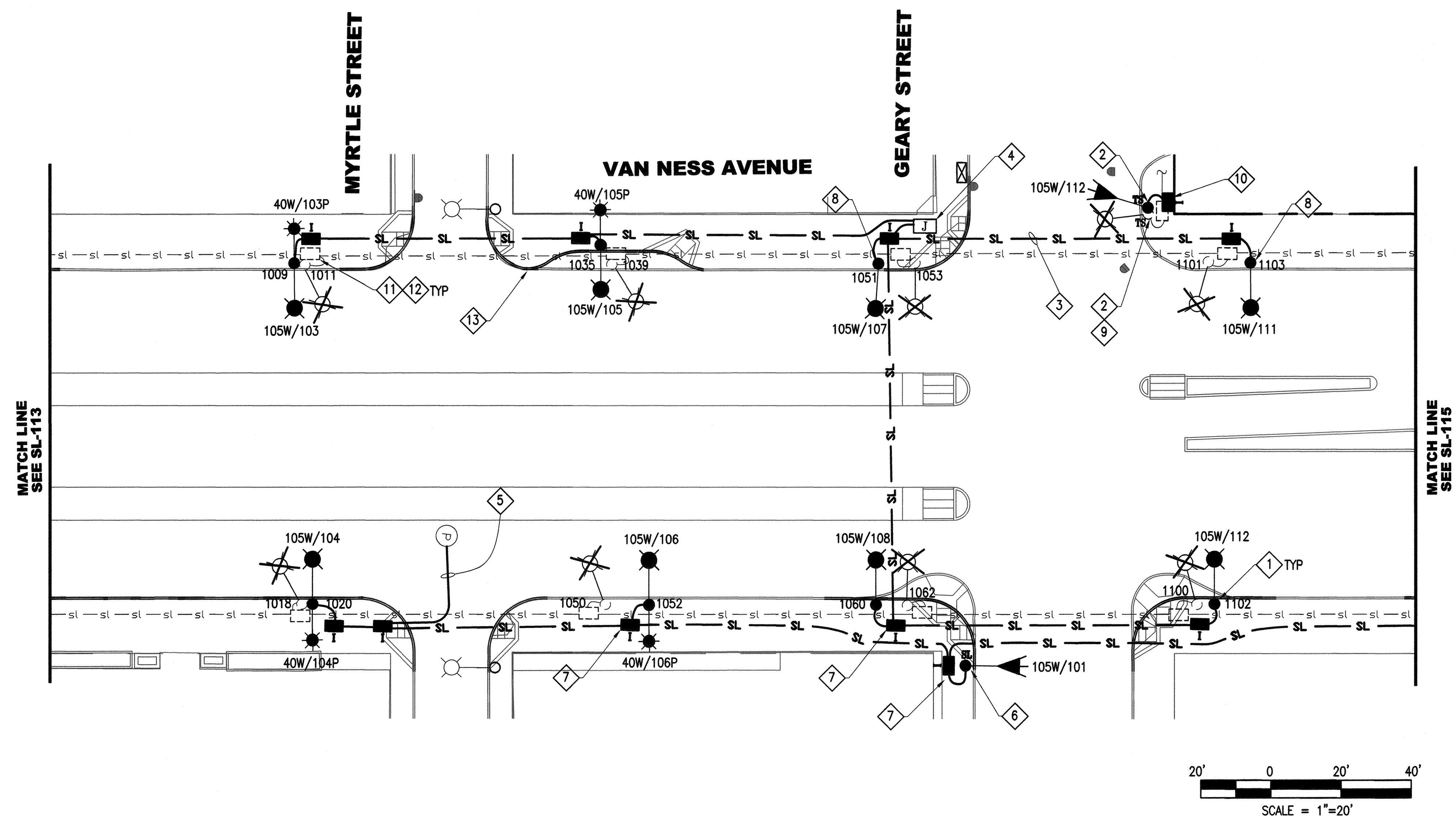
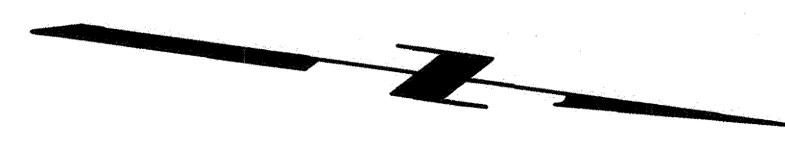


CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**  
 APPROVED: *[Signature]*  
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**  
 STREETLIGHT WORK  
 VAN NESS AVENUE  
 BETWEEN ELLIS AND O'FARRELL STREETS

1289	
CL-28936	
SL-113	REVISION
SL-131	0





**NOTES:**

1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
2. SEE ET-SERIES PLANS FOR TRAFFIC SIGNAL POLE REMOVAL OR INSTALLATION WORK. TRAFFIC SIGNAL POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
3. STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF FOUR (4) STREETLIGHTS FACING VAN NESS AVENUE (ONE STREETLIGHT PER CORNER).
4. PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
5. F/I 1- 2" PVC CONDUIT WITH 2- #6 AWG WIRES FROM (E) PG&E FACILITY TO (N) CITY PULL BOX. COORDINATE WITH PG&E FOR ENTRY INTO PG&E FACILITY AND FOR PG&E SERVICE CONNECTION.
6. F/I STREETLIGHT POLE AND ELLIPTICAL BRACKET ARM PER DPW STD DWG 87212. F/I SUB-SIDEWALK BASEMENT SPECIAL POLE FOUNDATION PER DPW STD DWG 49,094. IN ADDITION TO SL CONDUIT WORK, F/I 1- 2" PVC CONDUIT, ELBOWS AND COUPLINGS IN SL POLE FOUNDATION FOR TRAFFIC SIGNAL WIRES.
7. F/I SUB-SIDEWALK BASEMENT PULL BOX PER DPW STD DWG 87202.
8. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/I 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
9. (E) COMBINATION TS/SL POLE SHALL BE REPLACED IN PLACE. PROVIDE TEMPORARY STREETLIGHT UNTIL (N) STREETLIGHT IS FULLY OPERATIONAL.
10. F/I (N) PULL BOX IN PLACE OF (E) PULL BOX TO MAINTAIN (E) SL CIRCUIT FROM ADJACENT PULL BOX(ES). MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. SEE ET-SERIES PLANS FOR REMOVAL OF TRAFFIC SIGNAL WIRES FROM (E) PULL BOX.
11. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
12. R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
13. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.

I:\CP16401\_Van\_Ness\_BRT\_V2\_GER\500\_Design\_Components\501\_Drawings\11\_Lighting\Sheet\_Files\REV5 EN\CP16401SL114\_R.dwg mrgreen Tue Dec 01 2015 7:19 pm

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RECOMMENDED	<i>[Signature]</i>
APPROVED	<i>[Signature]</i>
DATE	MAY 13 2016



CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**

APPROVED  
*[Signature]*  
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**

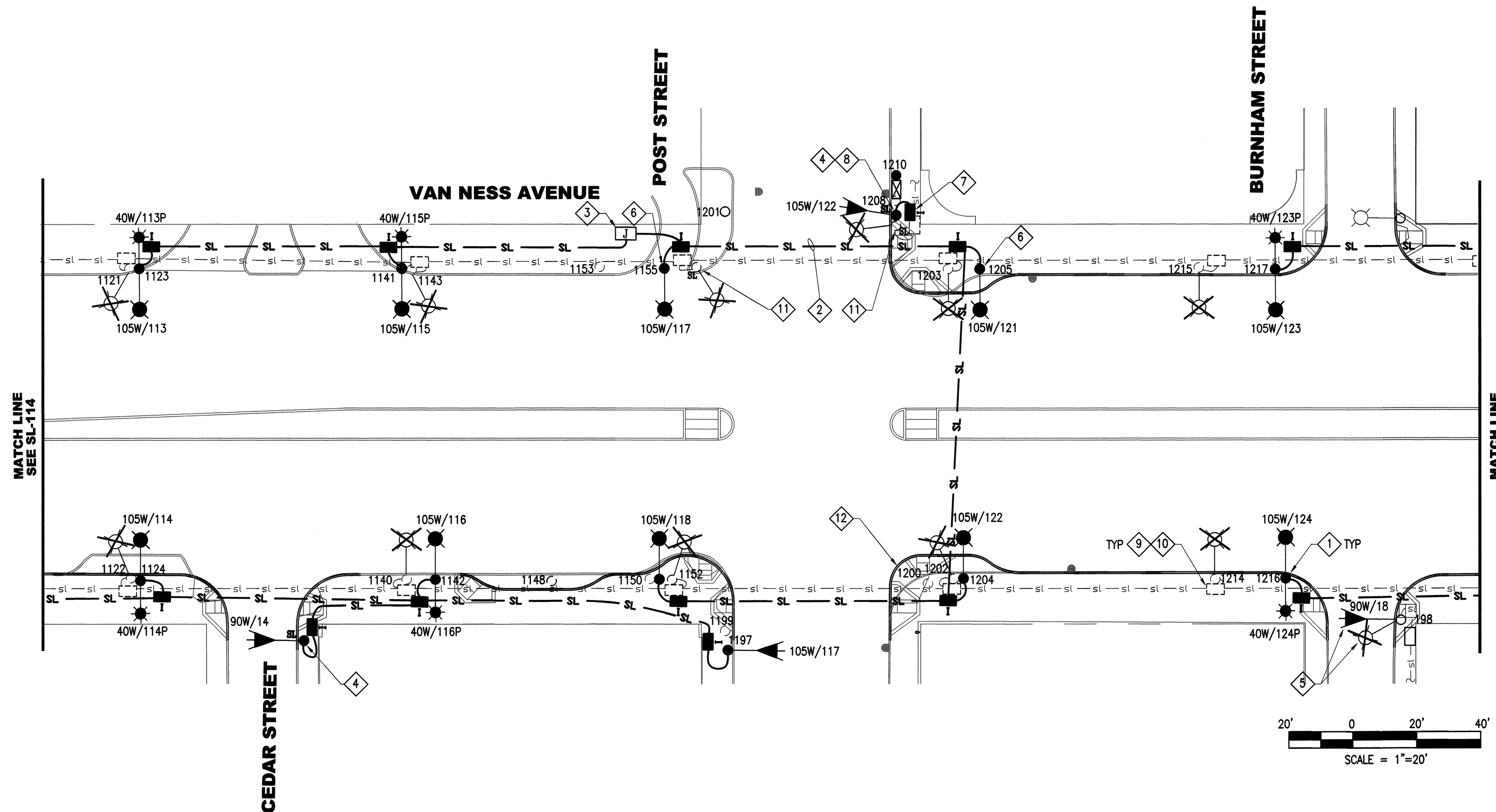
STREETLIGHT WORK  
 VAN NESS AVENUE  
 AT MYRTLE AND GEARY STREETS

1289	REVISION
CL-28937	0
SL-114	
SL-131	



**NOTES:**

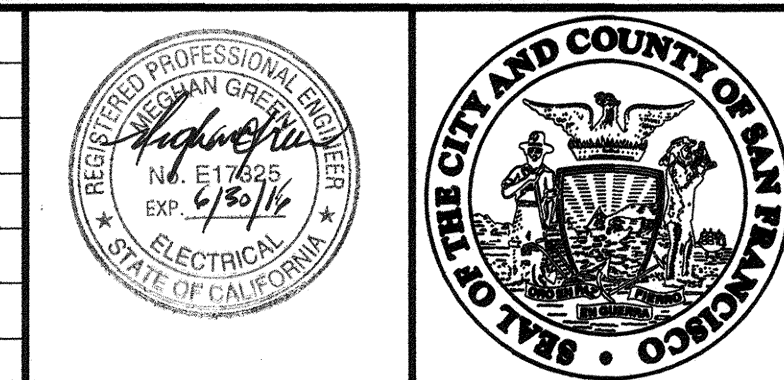
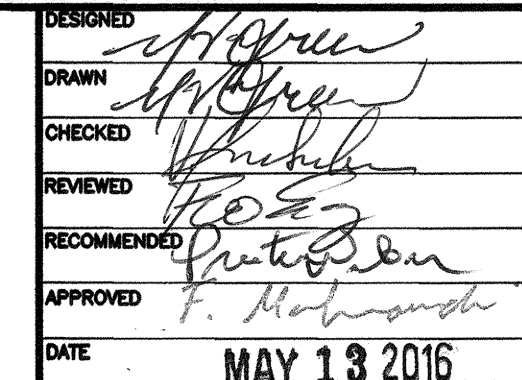
1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
2. STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF FOUR (4) STREETLIGHTS FACING VAN NESS AVENUE (ONE STREETLIGHT PER CORNER).
3. PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
4. F/I STREETLIGHT POLE & FOUNDATION AND ELLIPTICAL BRACKET ARM PER DPW STD DWG 87212.
5. R & D (E) STREETLIGHT LUMINAIRE & BRACKET ARM AND F/I (N) STREETLIGHT LUMINAIRE & BRACKET ARM ON (E) POLE.
6. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/I 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
7. F/I (N) PULL BOX IN PLACE OF (E) PULL BOX TO MAINTAIN (E) SL CIRCUIT FROM ADJACENT PULL BOX(ES). MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. SEE ET-SERIES PLANS FOR REMOVAL OF TRAFFIC SIGNAL WIRES FROM (E) PULL BOX.
8. (N) SL POLE TO SUPPORT TRAFFIC SIGNALS. IN ADDITION TO SL CONDUIT WORK, F/I 1- 2" PVC CONDUIT, ELBOWS & COUPLINGS IN SL POLE FOUNDATION FOR TRAFFIC SIGNAL WIRES.
9. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
10. R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
11. R & D STREETLIGHT POLE & POLE FOUNDATION. PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
12. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



I:\CPT6403\_Van\_Ness\_BRT\_V2\_CERA\_V00\_Design\_Components\301\_Drawings\11\_Lighting\Sheet\_Files\REVS\FIN\CPT6403SL115\_B.dwg, mrgreen, Tue Dec 01 2015 - 7:21 pm  
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DATE	MAY 13 2016



CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**

APPROVED  
*[Signature]*  
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**

STREETLIGHT WORK  
 VAN NESS AVENUE  
 AT POST AND BURNHAM STREETS

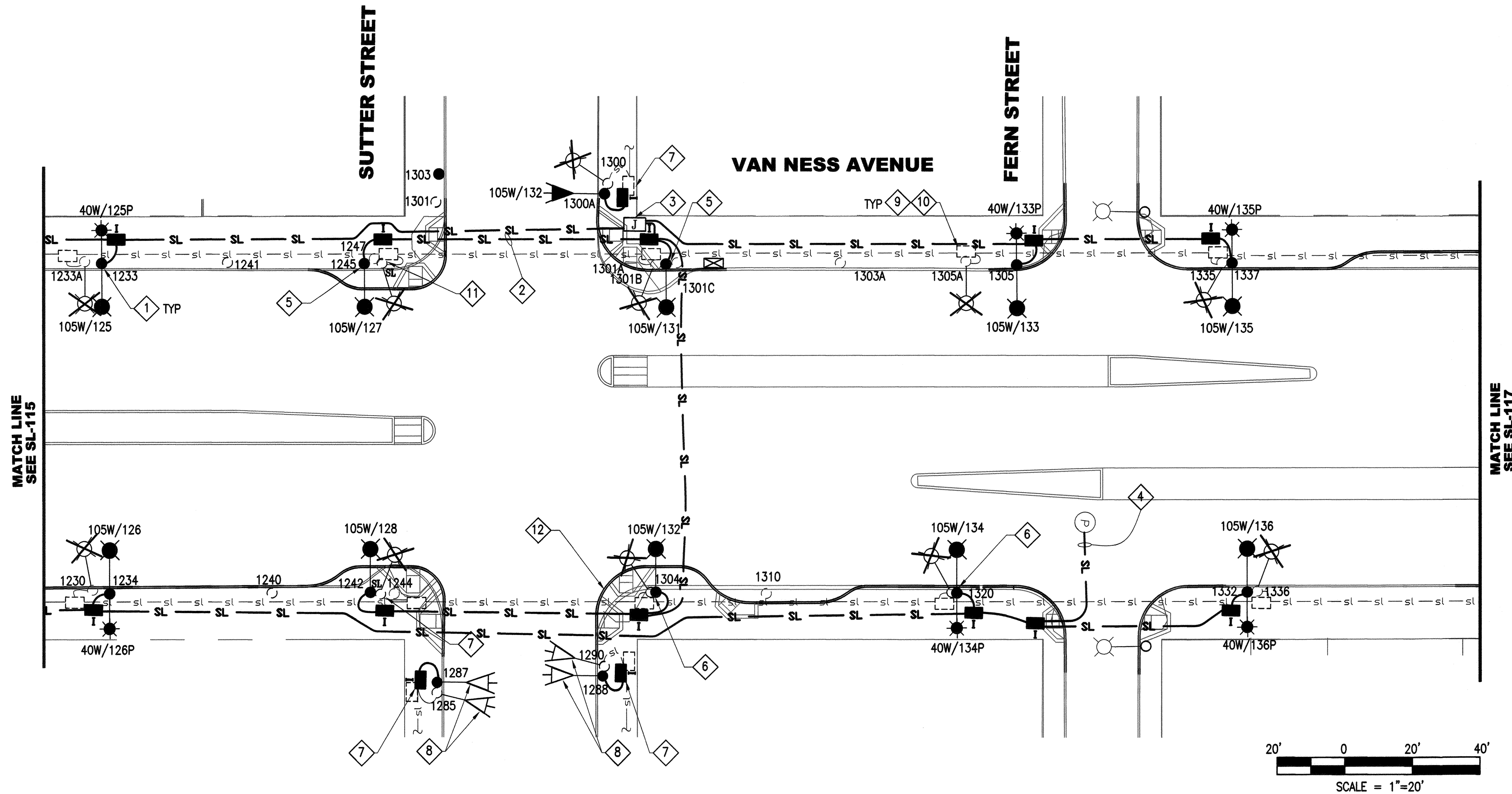
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**NOTES:**

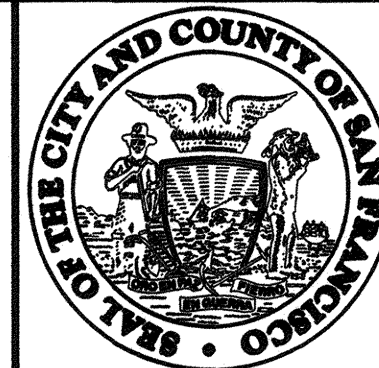
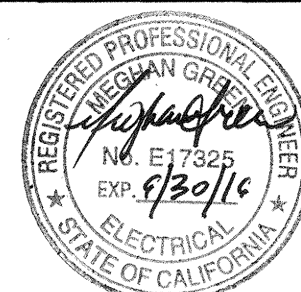
1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
2. STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF FOUR (4) STREETLIGHTS FACING VAN NESS AVENUE (ONE STREETLIGHT PER CORNER).
3. PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
4. F/I 1- 2" PVC CONDUIT WITH 2- #6 AWG WIRES FROM (E) PG&E FACILITY TO (N) CITY PULL BOX. COORDINATE WITH PG&E FOR ENTRY INTO PG&E FACILITY AND FOR PG&E SERVICE CONNECTION.
5. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/I 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
6. (E) COMBINATION TP/SL POLE SHALL BE REPLACED IN PLACE. PROVIDE TEMPORARY STREETLIGHT UNTIL (N) STREETLIGHT IS FULLY OPERATIONAL.
7. F/I (N) PULL BOX IN PLACE OF (E) PULL BOX TO MAINTAIN (E) SL CIRCUIT FROM ADJACENT PULL BOX(ES). MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
8. REMOVE & RELOCATE (E) LUMINAIRE, MOUNTING BRACKET AND ASSOCIATED HARDWARE FROM (E) POLE 1285 TO (N) POLE 1287 AND FROM (E) POLE 1290 TO (N) POLE 1288.
9. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
10. R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
11. R & D STREETLIGHT POLE & POLE FOUNDATION. PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
12. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



I:\CP16401\_Van Ness BRITV2\_CERA\3000\_Design Components\301\_Drawings\11\_Lighting\Sheet\_Files\CP16401SL116\_R.dwg, nrgreen, Tue Dec 01 2015 - 7:22 pm

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 CHECKED: *[Signature]*  
 REVIEWED: *[Signature]*  
 RECOMMENDED: *[Signature]*  
 APPROVED: *[Signature]*  
 DATE: MAY 13 2016



CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**

APPROVED  
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 for the DIRECTOR OF TRANSPORTATION

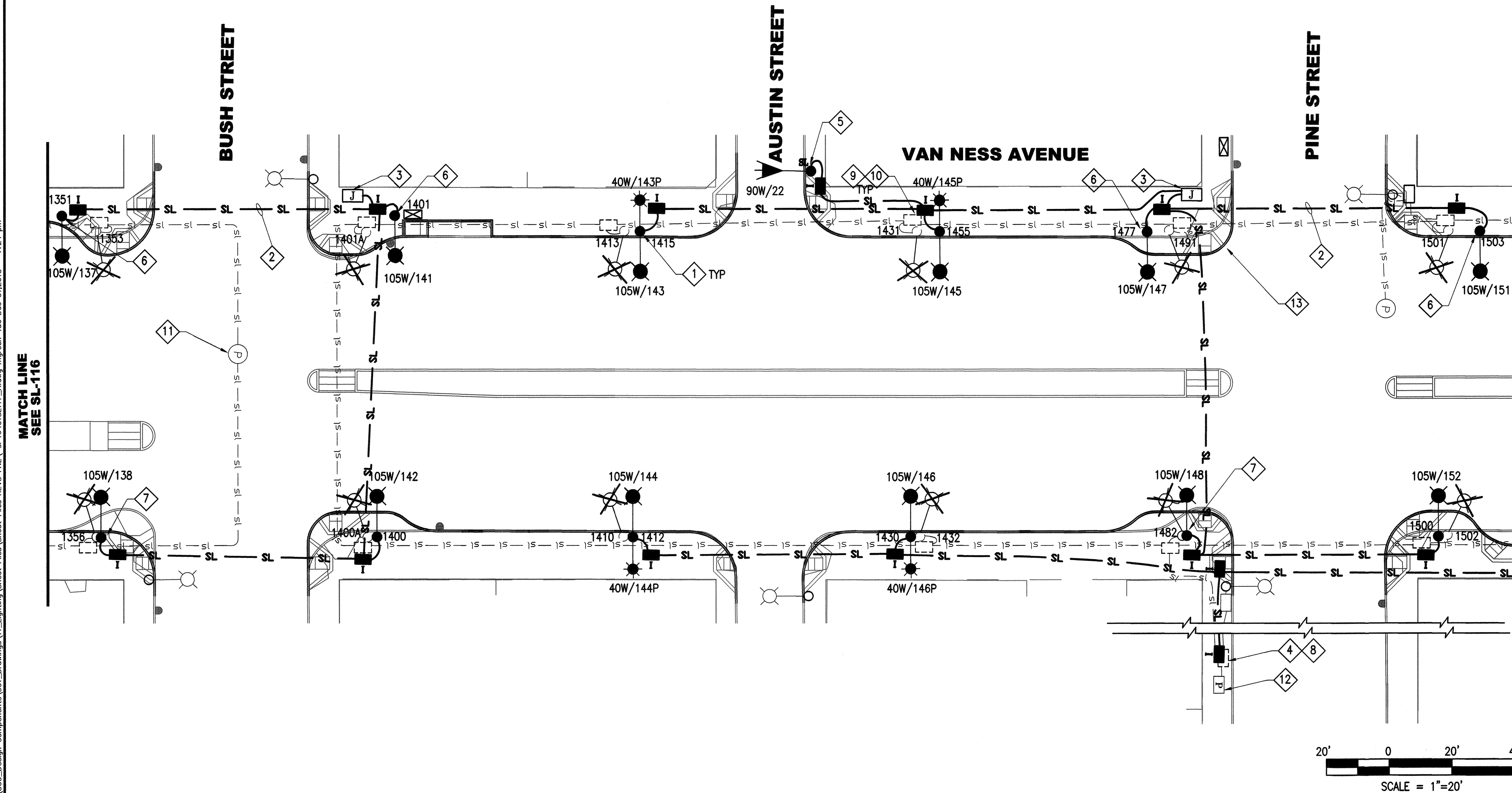
MUNI BUS RAPID TRANSIT SYSTEM  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**

**STREETLIGHT WORK  
 VAN NESS AVENUE  
 AT SUTTER AND FERN STREETS**

1289	
CL-28939	
SL-116	REVISION
SL-131	0

**NOTES:**

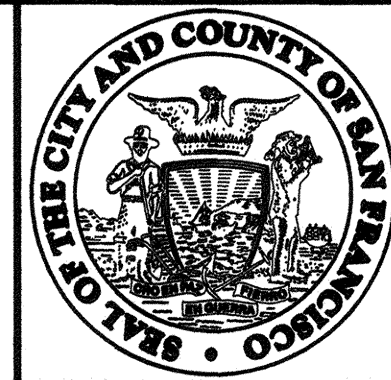
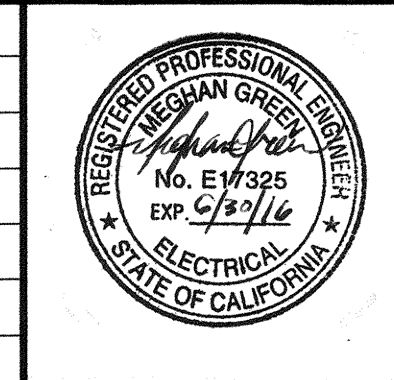
1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
2. STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF FOUR (4) STREETLIGHTS FACING VAN NESS AVENUE (ONE STREETLIGHT PER CORNER).
3. PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
4. FOR MID-BLOCK STREETLIGHTS, ON EASTERN SIDE OF VAN NESS AVENUE, PROVIDE CONNECTIONS TO (E) PG&E SERVICE AT (E) CITY PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
5. F/I STREETLIGHT POLE & FOUNDATION AND ELLIPTICAL BRACKET ARM PER DPW STD DWG 87212.
6. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/I 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
7. (E) COMBINATION TP/SL POLE SHALL BE REPLACED IN PLACE. PROVIDE TEMPORARY STREETLIGHT UNTIL (N) STREETLIGHT IS FULLY OPERATIONAL.
8. F/I (N) PULL BOX IN PLACE OF (E) PULL BOX TO MAINTAIN (E) SL CIRCUIT FROM ADJACENT PULL BOX(ES) AND TO CAPTURE (E) SERVICE WIRES. MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
9. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
10. R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
11. (E) PG&E SERVICE POINT PROVIDES POWER FOR ONE OF TWO 5KV SERIES LOOP CIRCUITS ALONG VAN NESS AVENUE. SEE CITY STREETLIGHT MAPS FOR REFERENCE.
12. (E) PG&E SERVICE POINT IS LOCATED APPROXIMATELY 130-FOOT FROM THE SE CORNER PROPERTY LINE OF VAN NESS AVENUE & PINE STREET.
13. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



I:\CPT640.1 Van Ness BRT V2\_CER\500\_Design\_Components\500\_Drawings\11\_Lighting\Sheet\_Files\Sheet\_Files\500\_Sheet\_CPT6401SL117\_R.dwg, nprogen, Tue, Dec 01, 2015 - 7:24 pm

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REVISIONS					

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RECOMMENDED	<i>[Signature]</i>
APPROVED	<i>[Signature]</i>
DATE	MAY 13 2016



CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**

APPROVED  
*[Signature]*  
for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**

**STREETLIGHT WORK  
VAN NESS AVENUE  
BETWEEN BUSH AND PINE STREETS**

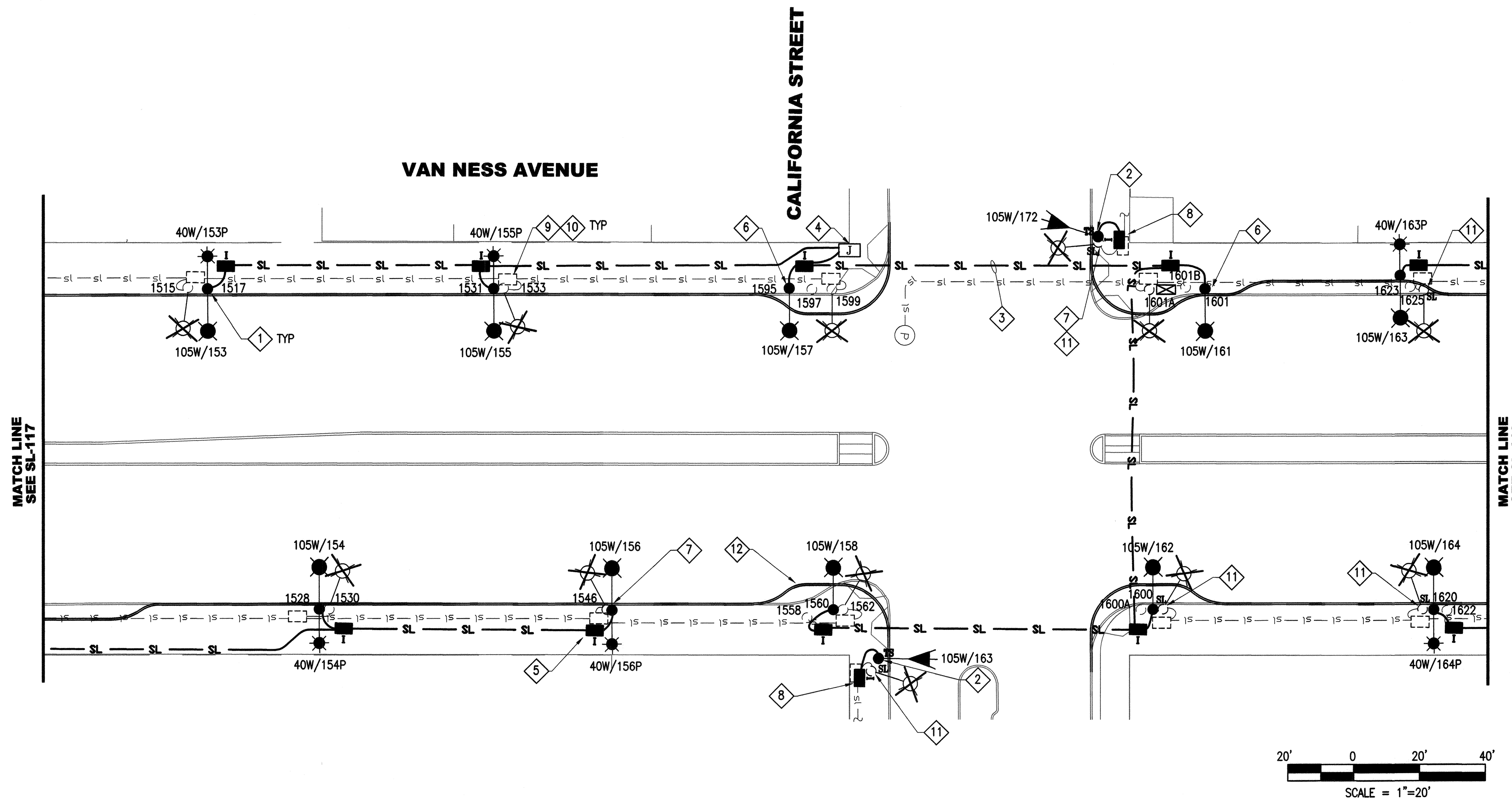
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**NOTES:**

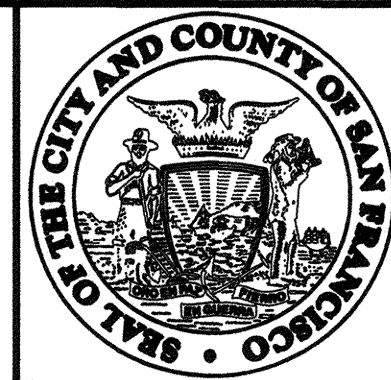
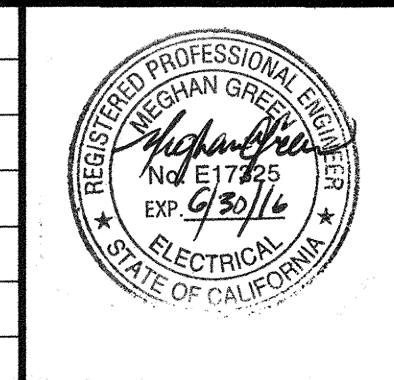
1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
2. SEE ET-SERIES PLANS FOR TRAFFIC SIGNAL POLE INSTALLATION WORK. TRAFFIC SIGNAL POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
3. STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF FOUR (4) STREETLIGHTS FACING VAN NESS AVENUE (ONE STREETLIGHT PER CORNER).
4. PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
5. F/I SUB-SIDEWALK BASEMENT PULL BOX PER DPW STD DWG 87202.
6. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/I 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
7. (E) COMBINATION TP/SL OR TS/SL POLE SHALL BE REPLACED IN PLACE. PROVIDE TEMPORARY STREETLIGHT UNTIL (N) STREETLIGHT IS FULLY OPERATIONAL.
8. F/I (N) PULL BOX IN PLACE OF (E) PULL BOX TO MAINTAIN (E) SL CIRCUIT FROM ADJACENT PULL BOX(ES). MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. SEE ET-SERIES PLANS FOR REMOVAL OF TRAFFIC SIGNAL WIRES FROM (E) PULL BOX.
9. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
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12. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



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 RECOMMENDED: *[Signature]*  
 APPROVED: *[Signature]*  
 DATE: MAY 13 2016



CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**

APPROVED: *[Signature]*  
 for the DIRECTOR OF TRANSPORTATION

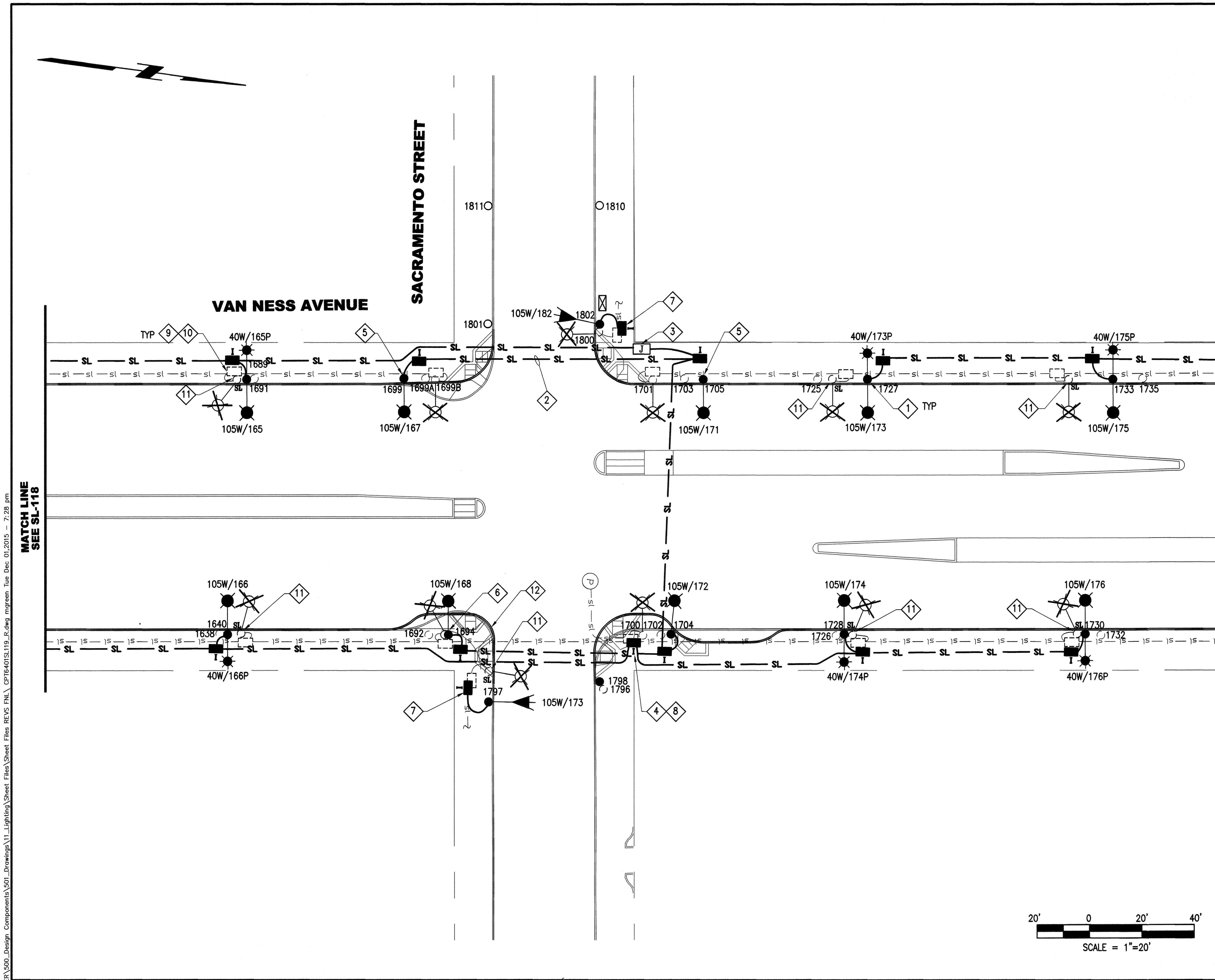
MUNI BUS RAPID TRANSIT SYSTEM  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**

STREETLIGHT WORK  
 VAN NESS AVENUE  
 AT CALIFORNIA STREET

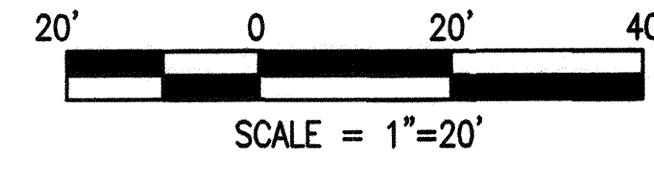
1289	
CL-28941	
SL-118	REVISION
SL-131	0

**NOTES:**

- SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
- STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF FOUR (4) STREETLIGHTS FACING VAN NESS AVENUE (ONE STREETLIGHT PER CORNER).
- PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
- FOR MID-BLOCK STREETLIGHTS, ON EASTERN SIDE OF VAN NESS AVENUE, PROVIDE CONNECTIONS TO (E) PG&E SERVICE AT (E) CITY PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
- (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/1 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
- (E) COMBINATION TP/SL POLE SHALL BE REPLACED IN PLACE. PROVIDE TEMPORARY STREETLIGHT UNTIL (N) STREETLIGHT IS FULLY OPERATIONAL.
- F/1 (N) PULL BOX IN PLACE OF (E) PULL BOX TO MAINTAIN (E) SL CIRCUIT FROM ADJACENT PULL BOX(ES). MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
- F/1 (N) PULL BOX IN PLACE OF (E) PULL BOX TO CAPTURE (E) SERVICE WIRES. MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
- R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
- R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
- R & D STREETLIGHT POLE & POLE FOUNDATION. PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
- SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.

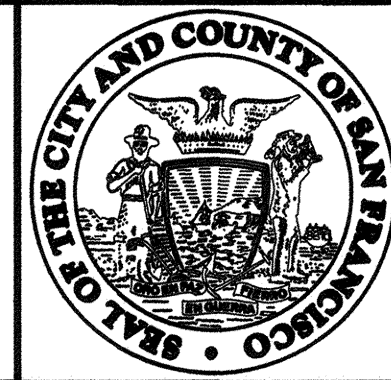
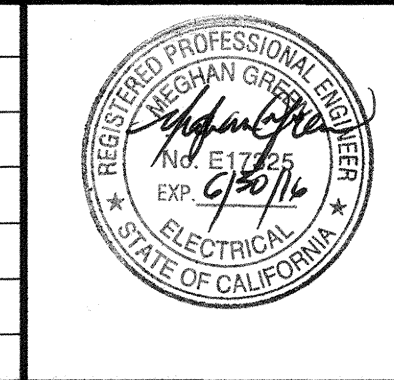


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 MATCH LINE SEE SL-118  
 MATCH LINE SEE SL-120



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DATE: MAY 13 2016

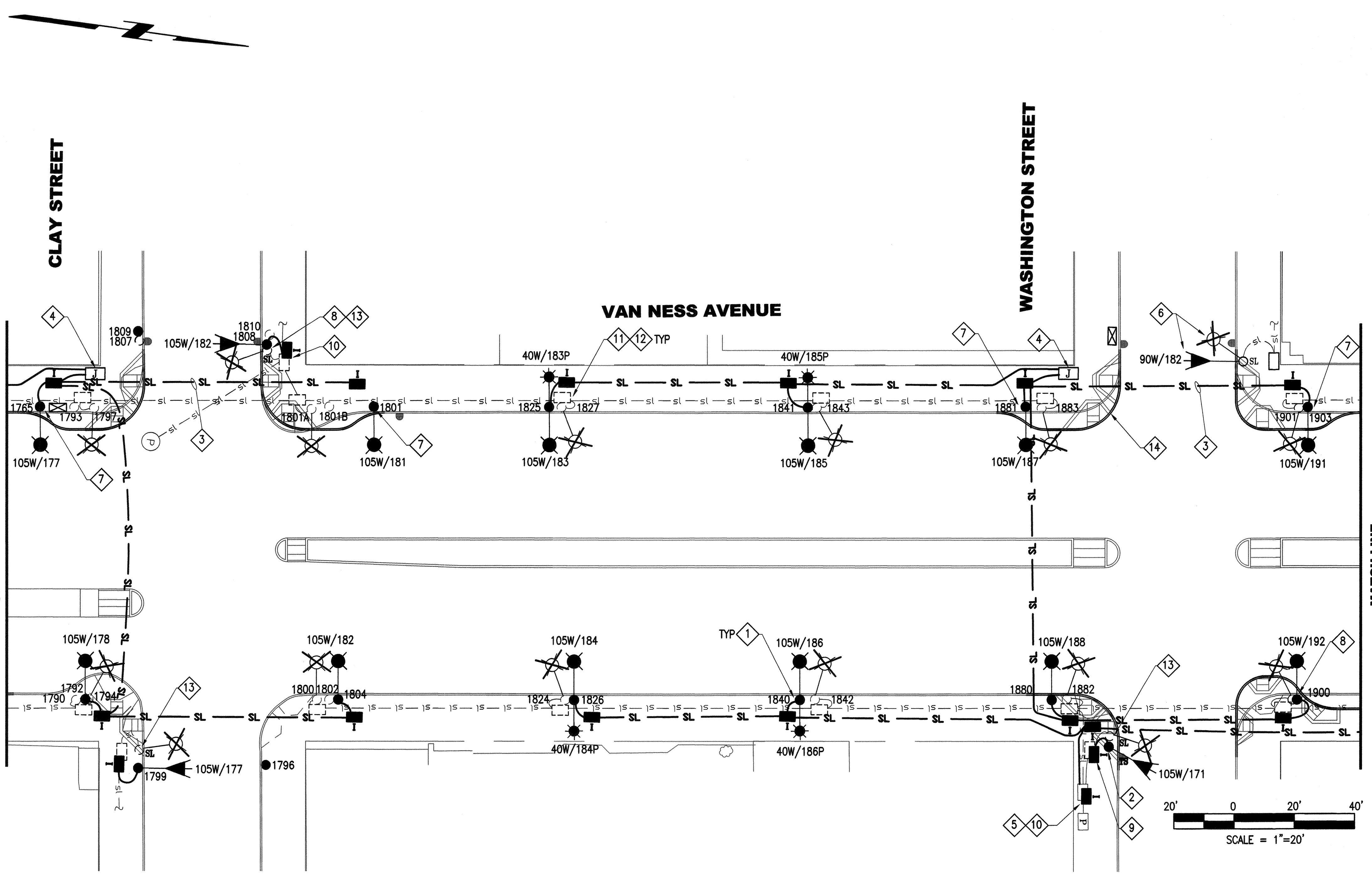


CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**  
 APPROVED: *[Signature]*  
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM		1289
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT		CL-28942
STREETLIGHT WORK VAN NESS AVENUE AT SACRAMENTO STREET		SL-119 SL-131
		REVISION 0



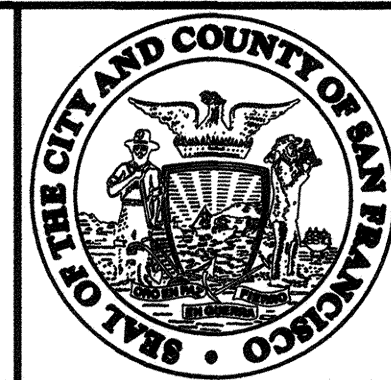
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- NOTES:**
- SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
  - SEE ET-SERIES PLANS FOR TRAFFIC SIGNAL POLE INSTALLATION WORK. TRAFFIC SIGNAL POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
  - STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF FOUR (4) STREETLIGHTS FACING VAN NESS AVENUE (ONE STREETLIGHT PER CORNER).
  - PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
  - FOR MID-BLOCK STREETLIGHTS, ON EASTERN SIDE OF VAN NESS AVENUE, PROVIDE CONNECTIONS TO (E) PG&E SERVICE AT (E) CITY PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
  - R & D (E) STREETLIGHT LUMINAIRE & BRACKET ARM AND F/I (N) STREETLIGHT LUMINAIRE & BRACKET ARM ON (E) POLE.
  - (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/I 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
  - (E) COMBINATION TP/SL POLE SHALL BE REPLACED IN PLACE. PROVIDE TEMPORARY STREETLIGHT UNTIL (N) STREETLIGHT IS FULLY OPERATIONAL.
  - F/I (N) PULL BOX IN PLACE OF (E) PULL BOX TO MAINTAIN (E) SL CIRCUIT FROM ADJACENT PULL BOX(ES). MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. SEE ET-SERIES PLANS FOR REMOVAL OF TRAFFIC SIGNAL WIRES FROM (E) PULL BOX.
  - F/I (N) PULL BOX IN PLACE OF (E) PULL BOX TO CAPTURE (E) SERVICE WIRES AND MAINTAIN (E) SL CIRCUIT FROM ADJACENT PULL BOX(ES). MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
  - R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
  - R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
  - R & D STREETLIGHT POLE & POLE FOUNDATION. PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
  - SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.

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DATE	MAY 13 2016



CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**

APPROVED  
*[Signature]*  
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM		1289
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT		CL-28943
STREETLIGHT WORK VAN NESS AVENUE BETWEEN CLAY AND WASHINGTON STREETS	SL-120 SL-131	REVISION 0

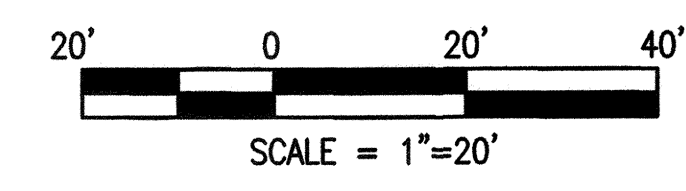
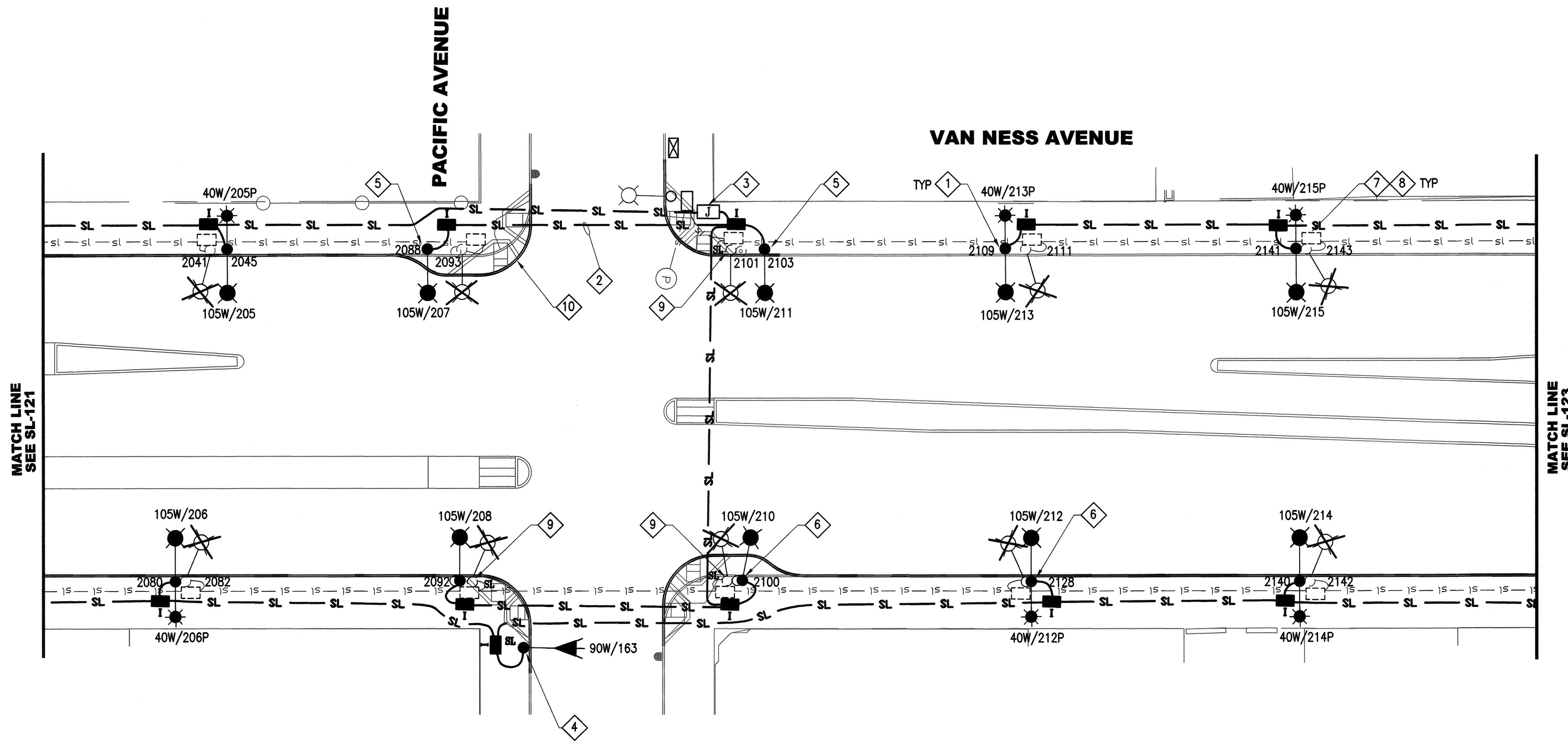






**NOTES:**

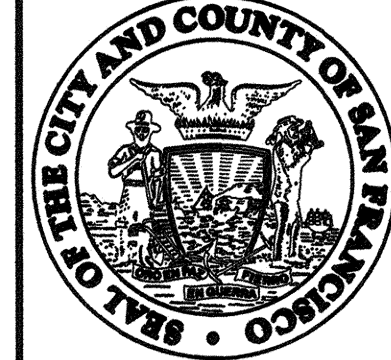
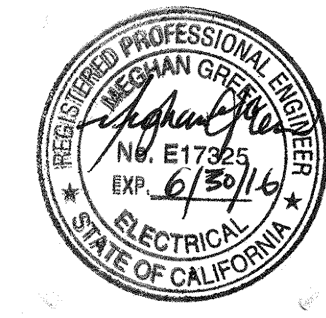
1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
2. STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF FOUR (4) STREETLIGHTS FACING VAN NESS AVENUE (ONE STREETLIGHT PER CORNER).
3. PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
4. F/1 STREETLIGHT POLE & FOUNDATION AND ELLIPTICAL BRACKET ARM PER DPW STD DWG 87212. IN ADDITION TO SL CONDUIT WORK, F/1 1- 2" PVC CONDUIT, ELBOWS AND COUPLINGS IN SL POLE FOUNDATION FOR TRAFFIC SIGNAL WIRES.
5. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/1 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
6. (E) COMBINATION TP/SL POLE SHALL BE REPLACED IN PLACE. PROVIDE TEMPORARY STREETLIGHT UNTIL (N) STREETLIGHT IS FULLY OPERATIONAL.
7. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
8. R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
9. R & D STREETLIGHT POLE & POLE FOUNDATION. PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
10. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



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CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**  
 APPROVED: *[Signature]*  
 for the DIRECTOR OF TRANSPORTATION

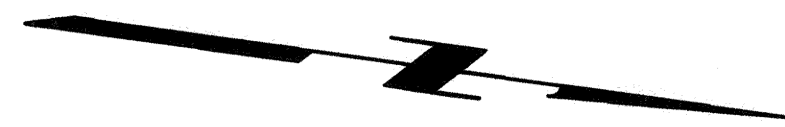
MUNI BUS RAPID TRANSIT SYSTEM  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**  
 STREETLIGHT WORK  
 VAN NESS AVENUE  
 AT PACIFIC AVENUE

1289	REVISION
CL-28945	
SL-122	0
SL-131	



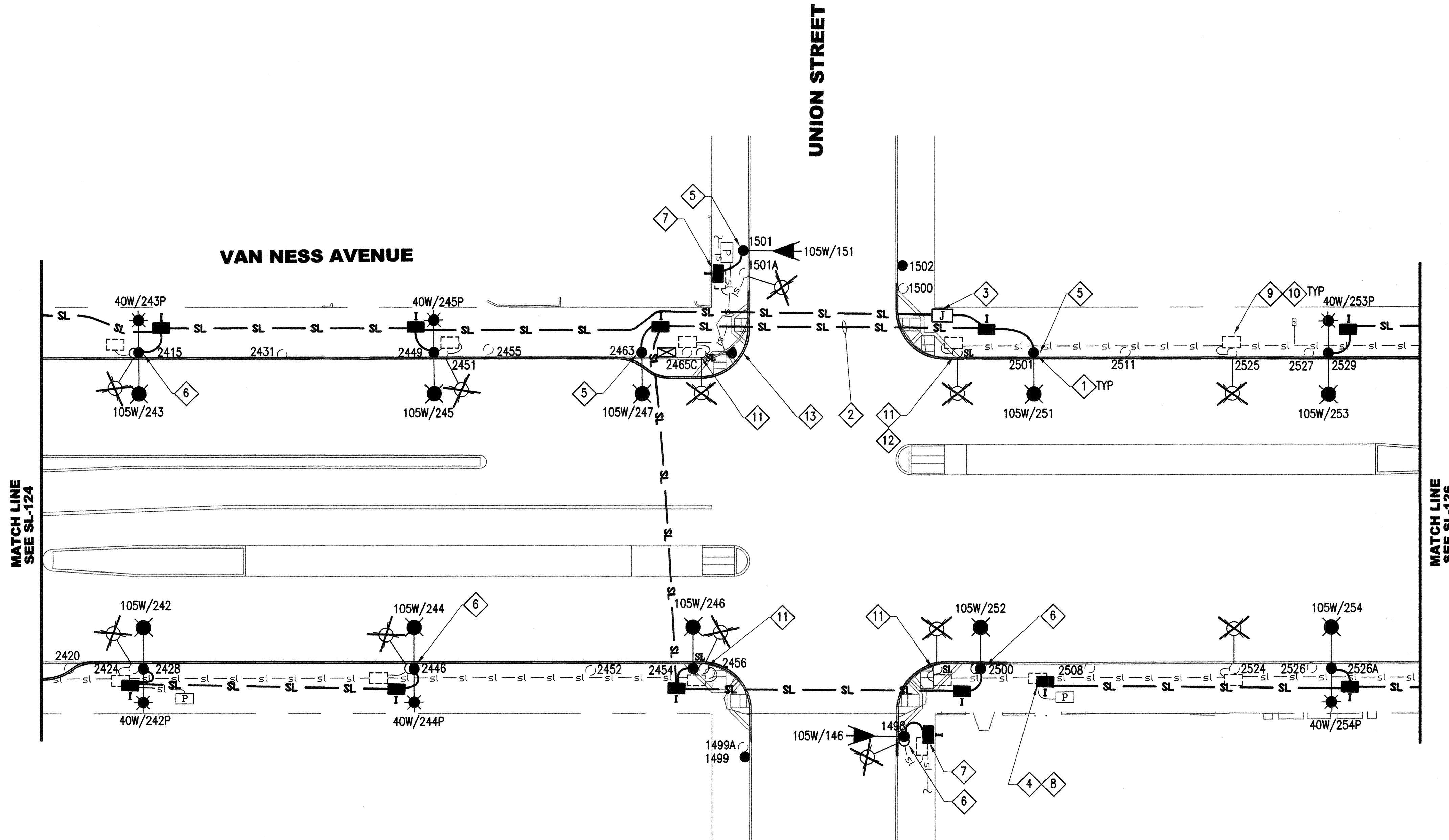






**NOTES:**

1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
2. STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF FOUR (4) STREETLIGHTS FACING VAN NESS AVENUE (ONE STREETLIGHT PER CORNER).
3. PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
4. FOR MID-BLOCK STREETLIGHTS, ON EASTERN SIDE OF VAN NESS AVENUE, PROVIDE CONNECTIONS TO (E) PG&E SERVICE AT (E) CITY PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
5. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/1 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
6. (E) COMBINATION TP/SL POLE SHALL BE REPLACED IN PLACE. PROVIDE TEMPORARY STREETLIGHT UNTIL (N) STREETLIGHT IS FULLY OPERATIONAL.
7. F/I (N) PULL BOX IN PLACE OF (E) PULL BOX TO MAINTAIN (E) SL CIRCUIT FROM ADJACENT PULL BOX(ES). MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
8. F/I (N) PULL BOX IN PLACE OF (E) PULL BOX TO CAPTURE (E) SERVICE WIRES. MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
9. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
10. R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
11. R & D STREETLIGHT POLE & POLE FOUNDATION. PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
12. SEE OV-SERIES PLANS FOR REMOVAL OF MUNI SIGNAL.
13. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



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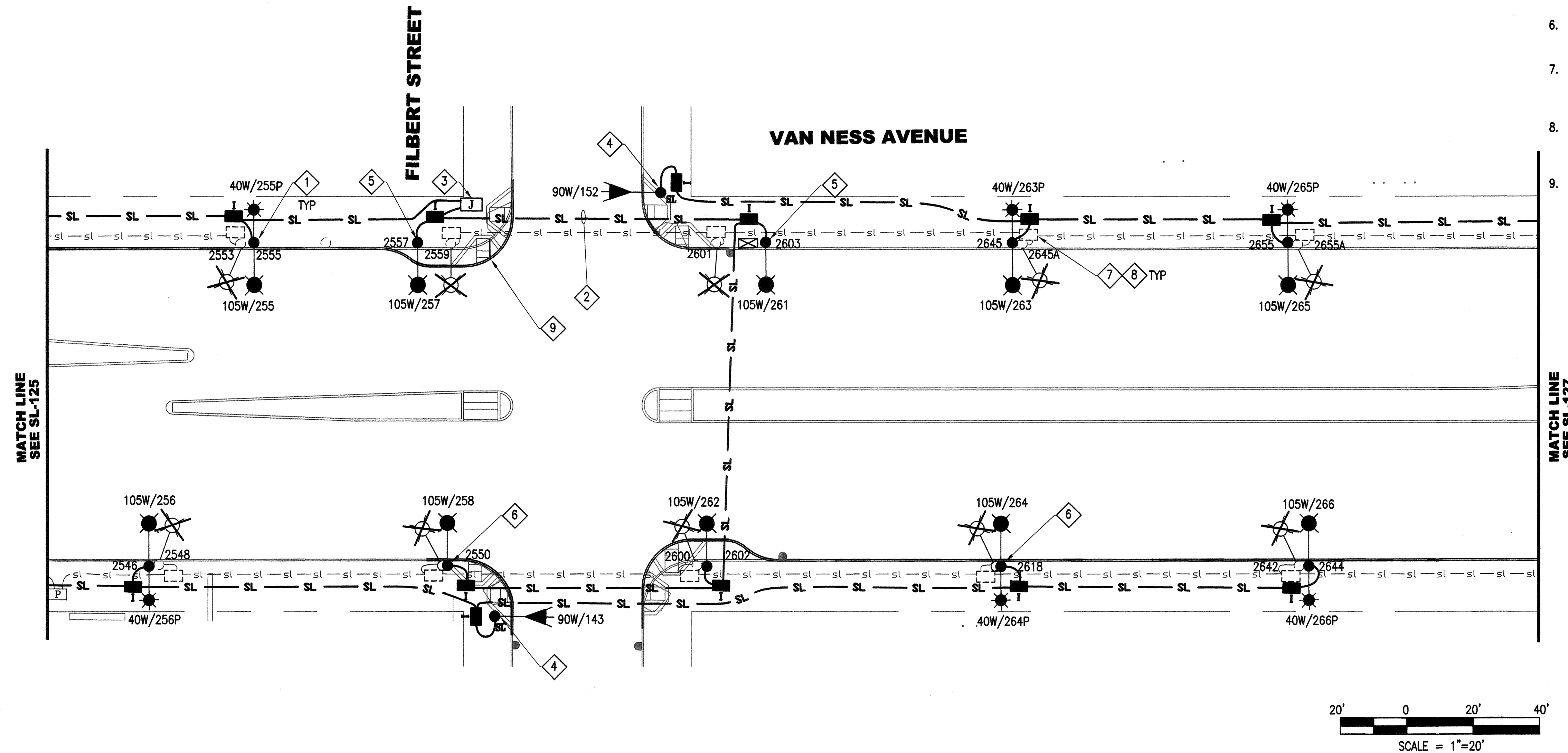
CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**  
 APPROVED: *[Signature]*  
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM		1289
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT		CL-28948
STREETLIGHT WORK VAN NESS AVENUE AT UNION STREET	SL-125	REVISION 0
		SL-131



**NOTES:**

1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
2. STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF FOUR (4) STREETLIGHTS FACING VAN NESS AVENUE (ONE STREETLIGHT PER CORNER).
3. PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
4. F/I STREETLIGHT POLE & FOUNDATION AND ELLIPTICAL BRACKET ARM PER DPW STD DWG 87212. IN ADDITION TO SL CONDUIT WORK, F/I 1-2" PVC CONDUIT, ELBOWS AND COUPLINGS IN SL POLE FOUNDATION FOR TRAFFIC SIGNAL WIRES.
5. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/I 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
6. (E) COMBINATION TP/SL POLE SHALL BE REPLACED IN PLACE. PROVIDE TEMPORARY STREETLIGHT UNTIL (N) STREETLIGHT IS FULLY OPERATIONAL.
7. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
8. R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
9. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.

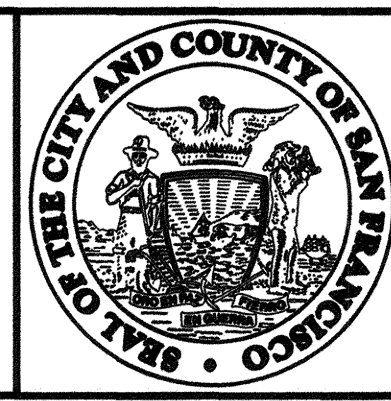
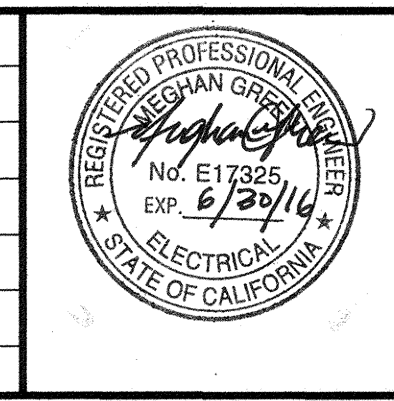


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DATE	MAY 13 2016

REGISTERED PROFESSIONAL ENGINEER  
 No. E17325  
 EXP. 6/30/16  
 ELECTRICAL  
 STATE OF CALIFORNIA



CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**

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 for the DIRECTOR OF TRANSPORTATION

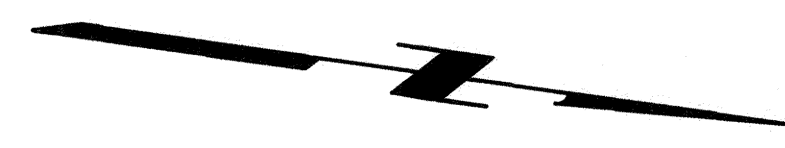
MUNI BUS RAPID TRANSIT SYSTEM  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**

STREETLIGHT WORK  
 VAN NESS AVENUE  
 AT FILBERT STREET

1289	REVISION
CL-28949	0
SL-126	
SL-131	

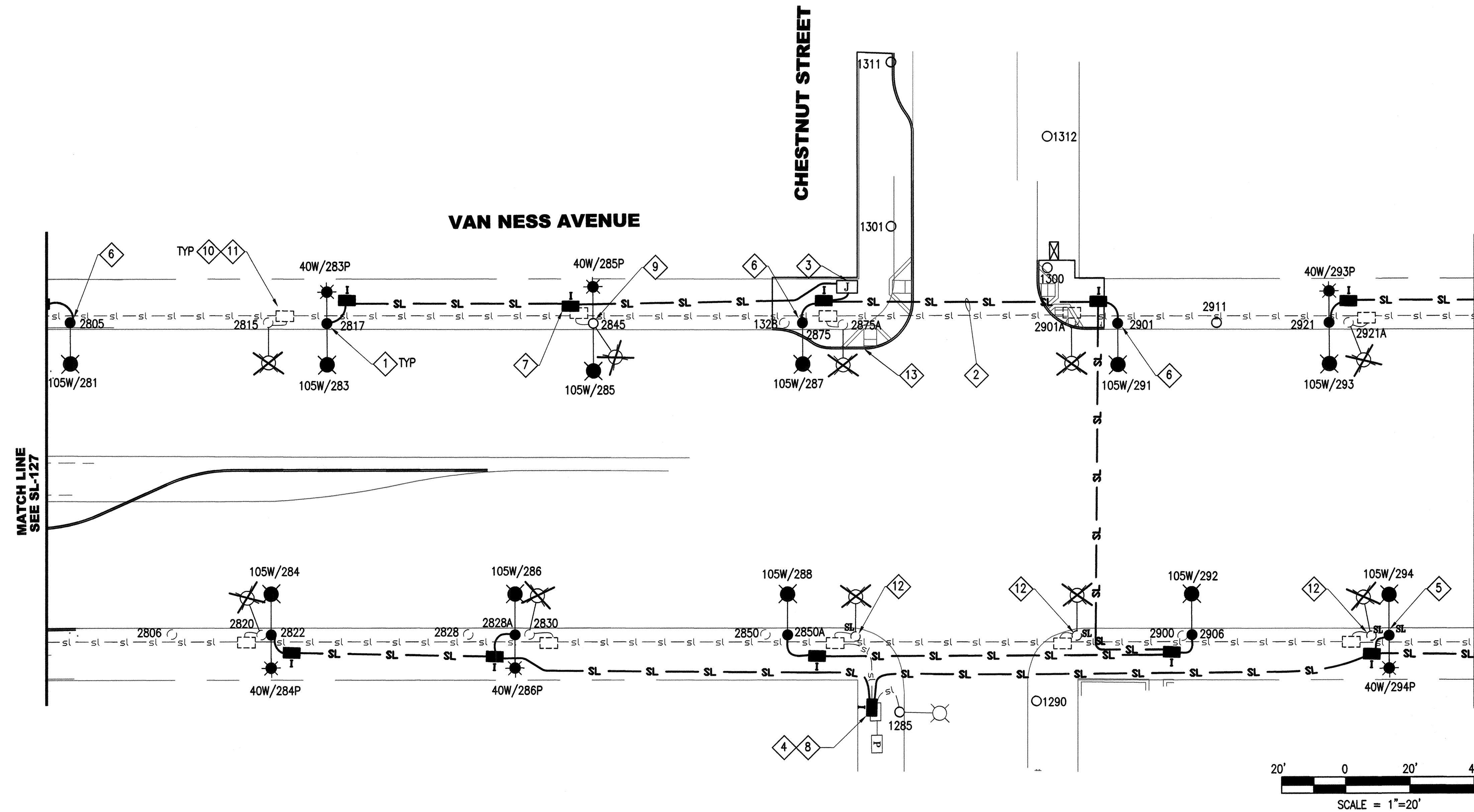






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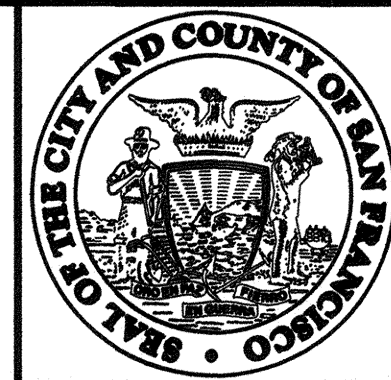
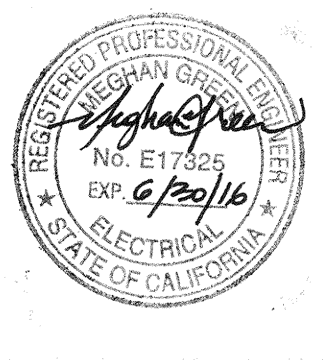
1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
2. STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF FOUR (4) STREETLIGHTS FACING VAN NESS AVENUE (ONE STREETLIGHT PER CORNER).
3. PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
4. FOR MID-BLOCK STREETLIGHTS ON EASTERN SIDE OF VAN NESS AVENUE, PROVIDE CONNECTIONS TO (E) PG&E SERVICE AT (E) CITY PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
5. F/I CALTRANS TYPE 15 STREETLIGHT POLE & POLE FOUNDATION PER CALTRANS STD PLAN ES-6A, CURRENT VERSION. EXCEPTION TO CALTRANS STD PLAN: 2-BOLT SIMPLEX CONNECTIONS FOR ROADWAY AND PEDESTRIAN BRACKET ARMS. SEE ST-SERIES PLANS FOR BRACKET ARM CONNECTION DETAILS..
6. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/I 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
7. F/I (N) PULL BOX IN PLACE OF (E) PULL BOX TO CAPTURE (E) CONDUIT RUN TO POLE. MODIFY (E) CONDUITS AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
8. F/I (N) PULL BOX IN PLACE OF (E) PULL BOX TO CAPTURE (E) SERVICE WIRES AND TO MAINTAIN (E) SL CIRCUIT FROM ADJACENT PULL BOXES. MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
9. WELD PEDESTRIAN BRACKET ARM CONNECTION TO (E) COMBINATION TP/SL POLE. SEE ST-SERIES PLANS FOR BRACKET ARM CONNECTION DETAILS.
10. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
11. R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
12. R & D STREETLIGHT POLE & POLE FOUNDATION. PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
13. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



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DATE	MAY 13 2016



CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**

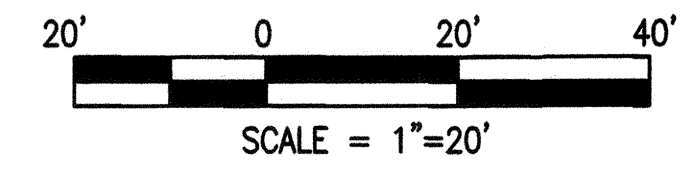
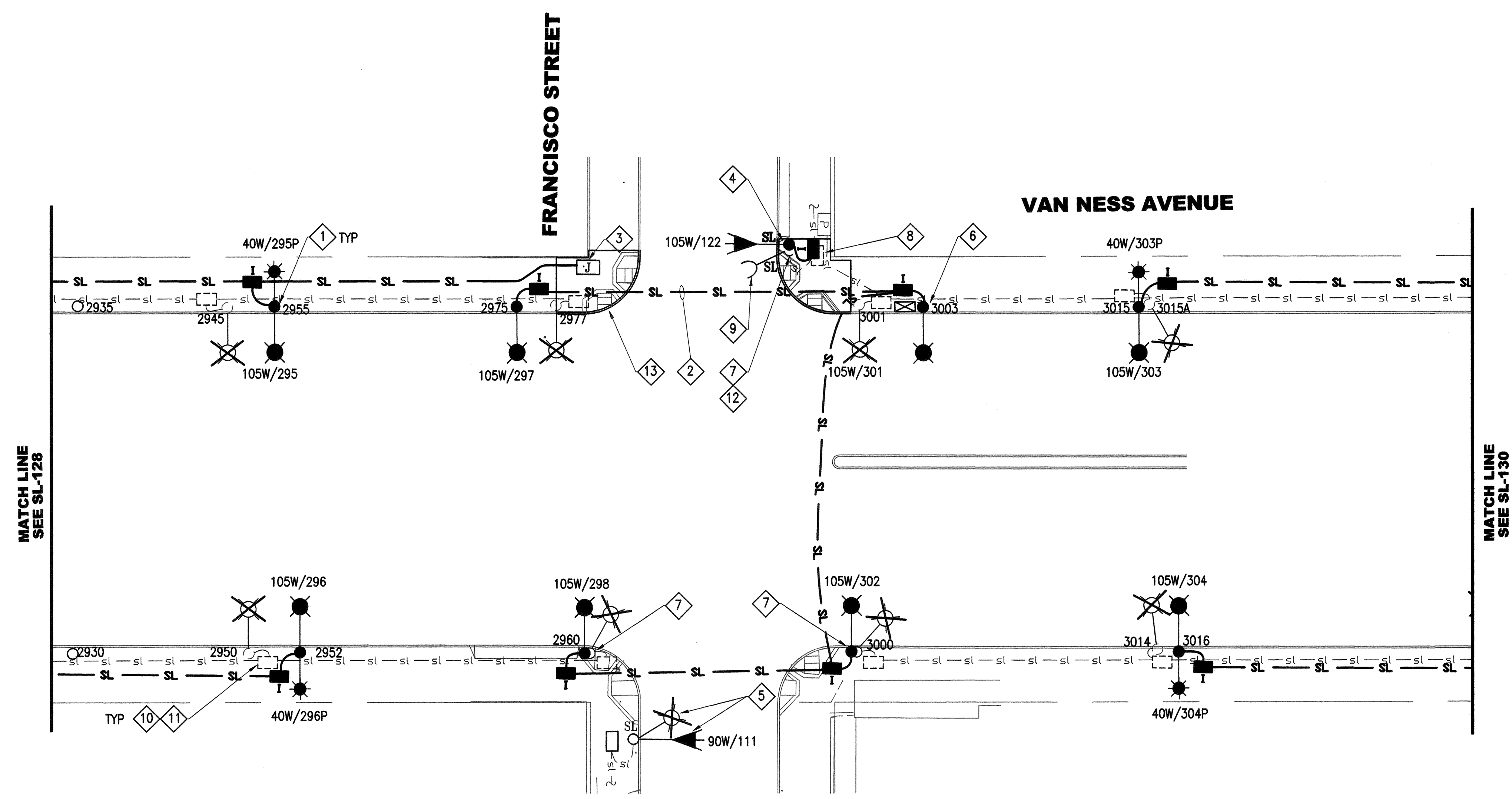
APPROVED  
*[Signature]*  
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM		1289
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT		CL-28951
STREETLIGHT WORK VAN NESS AVENUE AT CHESTNUT STREET	SL-128 SL-131	REVISION 0



**NOTES:**

1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
2. STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF FOUR (4) STREETLIGHTS FACING VAN NESS AVENUE (ONE STREETLIGHT PER CORNER).
3. PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
4. F/I STREETLIGHT POLE & FOUNDATION AND ELLIPTICAL BRACKET ARM PER DPW STD DWG 87212. IN ADDITION TO SL CONDUIT WORK, F/I 1- 2" PVC CONDUIT, ELBOWS AND COUPLINGS IN SL POLE FOUNDATION FOR TRAFFIC SIGNAL WIRES.
5. R & D (E) STREETLIGHT LUMINAIRE & BRACKET ARM AND F/I (N) STREETLIGHT LUMINAIRE & BRACKET ARM ON (E) POLE.
6. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/I 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
7. (E) COMBINATION TP/SL OR TS/SL POLE SHALL BE REPLACED IN PLACE. PROVIDE TEMPORARY STREETLIGHT UNTIL (N) STREETLIGHT IS FULLY OPERATIONAL.
8. F/I (N) PULL BOX IN PLACE OF (E) PULL BOX TO MAINTAIN (E) SL CIRCUIT FROM ADJACENT PULL BOX(ES). MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. SEE ET-SERIES PLANS FOR REMOVAL OF TRAFFIC SIGNAL WIRES FROM (E) PULL BOX.
9. COORDINATE WITH PG&E FOR REMOVAL OF PG&E OWNED LUMINAIRE & BRACKET ARM FROM (E) STREETLIGHT POLE.
10. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
11. R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
12. R & D STREETLIGHT POLE & POLE FOUNDATION. PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
13. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



I:\CP16401\_Van Ness BRT V2\_CER 500\_Design Components\501\_Drawings\11\_Lighting\Sheet Files\Sheet Components\501\_Drawing\mrgreen\_Tue Dec 01 2015 - 8:02 pm

NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

DESIGNED: *[Signature]*  
 DRAWN: *[Signature]*  
 CHECKED: *[Signature]*  
 REVIEWED: *[Signature]*  
 RECOMMENDED: *[Signature]*  
 APPROVED: *[Signature]*  
 DATE: MAY 18 2016



CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**  
 APPROVED  
*Vincent H. Harris*  
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**  
 STREETLIGHT WORK  
 VAN NESS AVENUE  
 AT FRANCISCO STREET

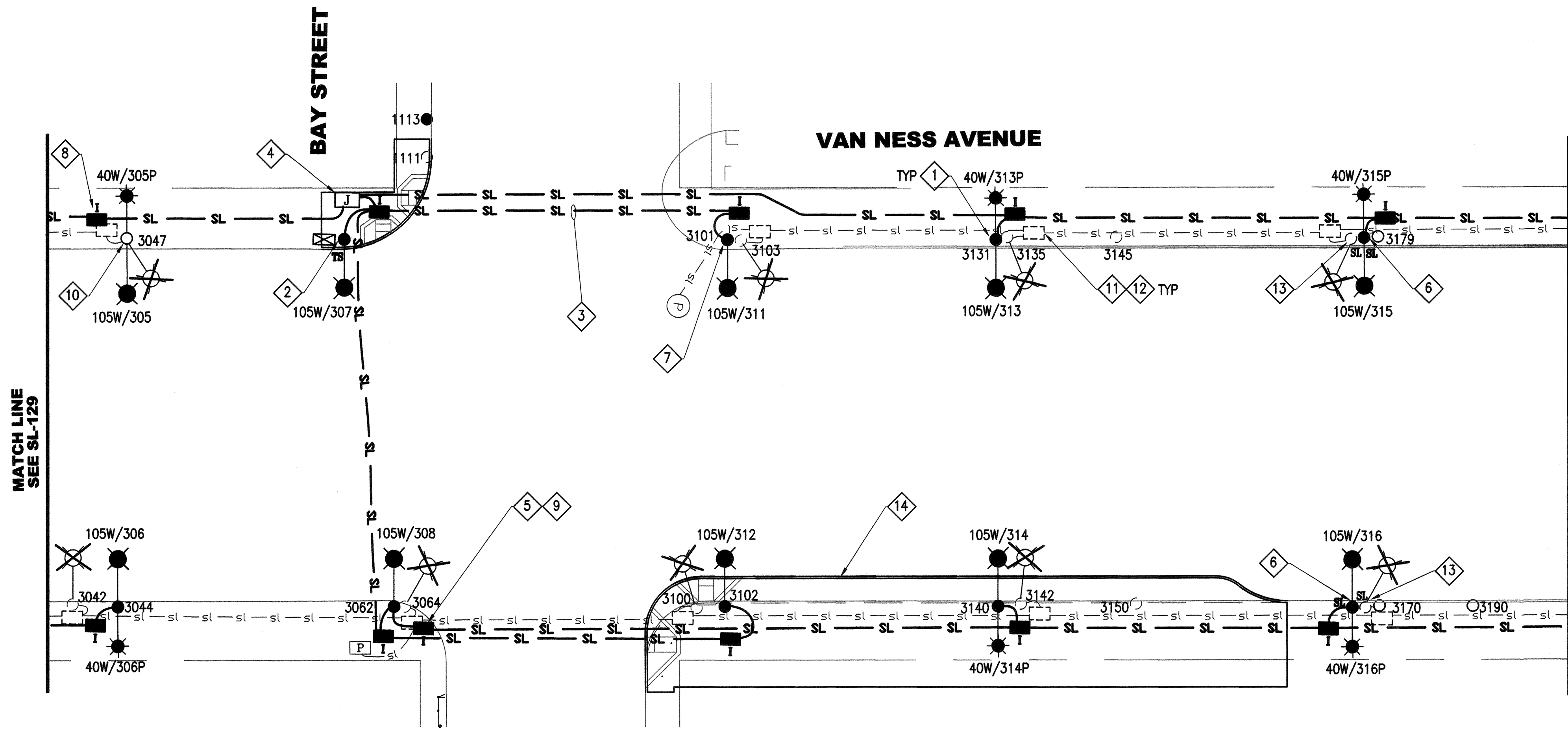
1289	
CL-28952	
SL-129	REVISION
SL-131	0





**NOTES:**

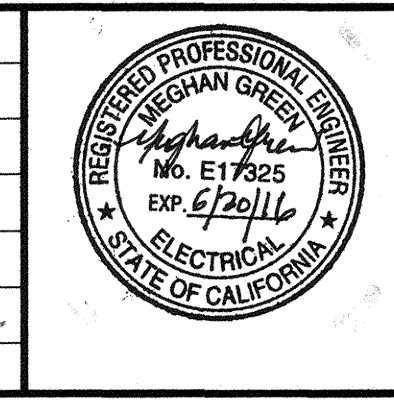
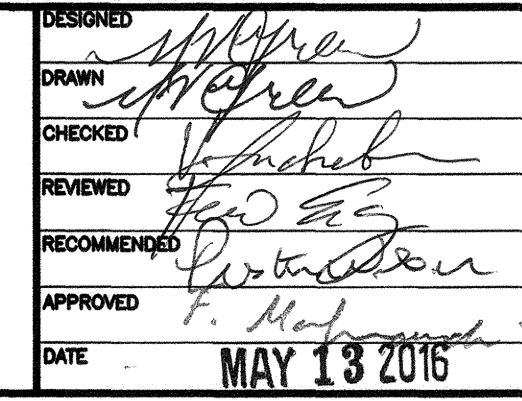
1. SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
2. SEE ET-SERIES PLANS FOR TRAFFIC SIGNAL POLE INSTALLATION WORK. TRAFFIC SIGNAL POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
3. STREETLIGHT "SAFETY CIRCUIT" AT TRAFFIC SIGNALIZED INTERSECTION IS COMPRISED OF FOUR (4) STREETLIGHTS FACING VAN NESS AVENUE (ONE STREETLIGHT PER CORNER).
4. PROVIDE SERVICE CONNECTIONS FOR STREETLIGHTS ON WESTERN SIDE OF VAN NESS AVENUE AND FOR STREETLIGHT SAFETY CIRCUIT AT JOINT PULL BOX. F/1 2-#6 AWG WIRES FROM (N) SERVICE CONNECTION IN JOINT PULL BOX TO SEVEN (7) ROADWAY LUMINAIRES ON MID-BLOCK CIRCUIT. F/1 2-#8 AWG WIRES EACH FOR SAFETY AND PEDESTRIAN STREETLIGHT CIRCUITS. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
5. FOR MID-BLOCK STREETLIGHTS ON EASTERN SIDE OF VAN NESS AVENUE, PROVIDE CONNECTIONS TO (E) PG&E SERVICE AT (E) CITY PULL BOX. F/1 2-#6 AWG WIRES FROM (E) SERVICE CONNECTION TO SEVEN (7) ROADWAY LUMINAIRES ON CIRCUIT. F/1 2-#8 AWG WIRES FOR PEDESTRIAN STREETLIGHT CIRCUIT. SEE STREETLIGHT GENERAL NOTES FOR WIRING DETAILS AND REQUIREMENTS.
6. F/1 CALTRANS TYPE 15 STREETLIGHT POLE & POLE FOUNDATION PER CALTRANS STD PLAN ES-6A, CURRENT VERSION. EXCEPTION TO CALTRANS STD PLAN: 2-BOLT SIMPLEX CONNECTIONS FOR ROADWAY AND PEDESTRIAN BRACKET ARMS. SEE ST-SERIES PLANS FOR BRACKET ARM CONNECTION DETAILS.
7. (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE. F/1 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
8. F/1 (N) PULL BOX IN PLACE OF (E) PULL BOX TO CAPTURE (E) CONDUIT RUN TO POLE. MODIFY (E) CONDUITS AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
9. F/1 (N) PULL BOX IN PLACE OF (E) PULL BOX TO CAPTURE (E) SERVICE WIRES. MODIFY (E) CONDUITS AND WIRING AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
10. WELD PEDESTRIAN BRACKET ARM CONNECTION TO (E) COMBINATION TP/SL OR (E) STREETLIGHT-ONLY POLE. SEE ST-SERIES PLANS FOR BRACKET AND CONNECTION DETAILS.
11. R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
12. R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
13. R & D STREETLIGHT POLE & POLE FOUNDATION. PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
14. SEE RD-SERIES PLANS FOR (N) CURB ALIGNMENT AND MEDIAN WORK.



I:\CP16A01\_Van Ness BRITV2\_CER\300\_Design\_Components\501\_Drawings\11\_Lighting\Sheet\_Files\REVS\REV D\CP16A01SL130\_B.dwg mrgreen Tue Dec 01 2015 8:04 pm

NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

DESIGNED: *M. Green*  
 DRAWN: *M. Green*  
 CHECKED: *V. Sanchez*  
 REVIEWED: *F. O. S.*  
 RECOMMENDED: *F. O. S.*  
 APPROVED: *F. O. S.*  
 DATE: **MAY 13 2016**



CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**

APPROVED  
*Vincent Harris*  
 for the DIRECTOR OF TRANSPORTATION

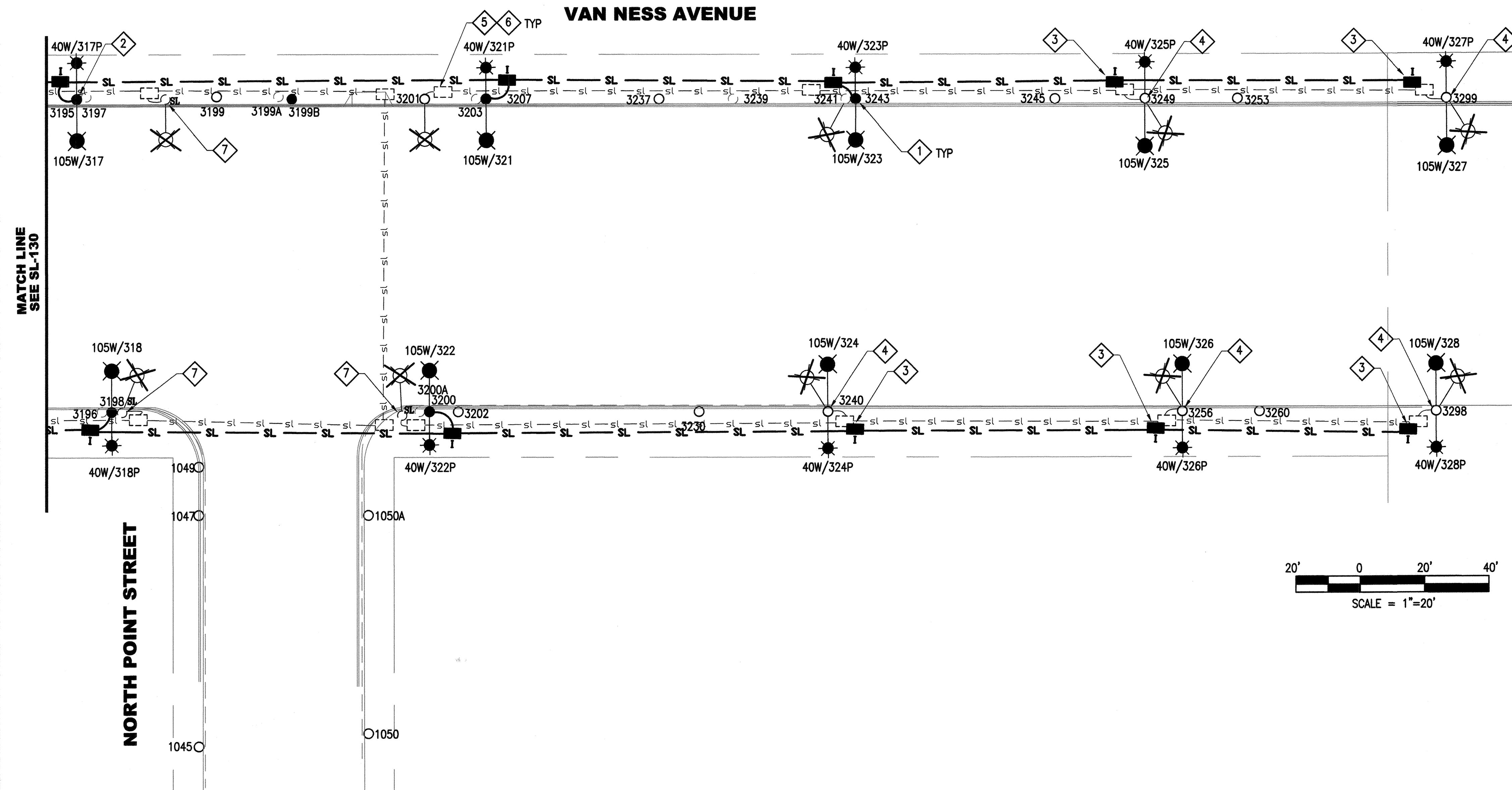
MUNI BUS RAPID TRANSIT SYSTEM  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**

**STREETLIGHT WORK  
 VAN NESS AVENUE  
 AT BAY STREET**

1289	REVISION
CL-28953	0
SL-130	
SL-131	

**NOTES:**

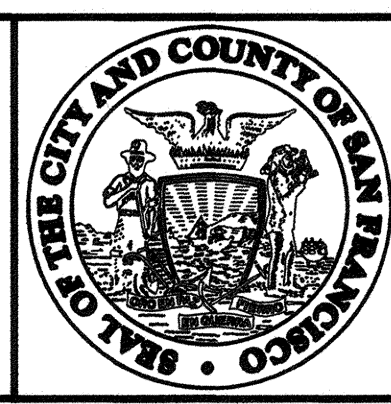
- SEE OV-SERIES PLANS FOR TROLLEY POLE REMOVAL OR INSTALLATION WORK. TROLLEY POLE INSTALLATION WORK TO INCLUDE STREETLIGHT CONDUIT ELBOW IN POLE FOUNDATION.
- (N) TROLLEY POLE TO HOUSE FEEDER RISER CABLE, F/1 3/4" FLEXIBLE METAL CONDUIT FROM STREETLIGHT PULL BOX TO INTERIOR OF POLE FOR STREETLIGHT WIRE PER STD DWG B-1646.
- F/1 (N) PULL BOX IN PLACE OF (E) PULL BOX TO CAPTURE (E) CONDUIT RUN TO POLE. MODIFY (E) CONDUITS AS NECESSARY AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.
- WELD PEDESTRIAN BRACKET ARM CONNECTION TO (E) COMBINATION TP/SL POLE. SEE ST-SERIES PLANS FOR BRACKET ARM CONNECTION DETAILS.
- R & D STREETLIGHT WIRES: 1) FROM LUMINAIRE SCHEDULED FOR REMOVAL TO NEAREST SPLICE POINT (TYPICALLY IN PULL BOX ADJACENT TO POLE) AND 2) IN CONDUIT BETWEEN PULL BOXES WHICH ARE SCHEDULED FOR REMOVAL.
- R & D STREETLIGHT PULL BOX AND PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES. CUT CONDUIT ENDS ONE-FOOT BELOW GRADE AND ABANDON IN PLACE.
- R & D STREETLIGHT POLE & POLE FOUNDATION. PROVIDE TEMPORARY RESTORATION OF SURROUNDING SURFACES.



I:\CP1640.1\_Van\_Ness\_BRTV2\_CER\500\_Design\_Components\501\_Drawings\11\_Lighting\Sheet\_Files\CP16401SL131.dwg dchreuk Wed Jul 15 2015 9:25 am

NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

DESIGNED: *Stephen O'Neil*  
 DRAWN: *Stephen O'Neil*  
 CHECKED: *Yoshitaka*  
 REVIEWED: *Kevin Eg*  
 RECOMMENDED: *Kevin Eg*  
 APPROVED: *Kevin Eg*  
 DATE: **MAY 13 2016**



CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**

APPROVED:  
*Vincent J. Harris*  
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**

**STREETLIGHT WORK  
 VAN NESS AVENUE  
 AT NORTH POINT STREET**

1289	REVISION
CL-28954	
SL-131	0
SL-131	