L E G E N D

S Y M B O L S

- FURNISH AND INSTALL 1 1/2" HOT DIP GALVANIZED RIGID STEEL CONDUIT UNDERGROUND FOR STREET LIGHTING.
- EXISTING STREET LIGHTING OR UTILITY CONDUIT
- INTERCEPT AND CUT EX CONDUIT. COUPLE NEW CONDUIT OF SAME SIZE TO EXISTING AND EXTEND TO NEW LOCATION AS SHOWN. WITHDRAW ANY EXISTING WIRING TO NEAREST SPLICE POINT. F/I NEW WIRING TO MATCH EXISTING WIRING AFTER CONDUIT MODIFICATION. SPLICE CONNECTIONS ACCORDING TO STANDARD PLANS.
- (N) POST TOP LED POLE LIGHT
- STREET LIGHT FIXTURE AND ARM ON NEW MUNI OCS OR TRAFFIC SIGNAL POLE
- (N) STREETLIGHT POLE AND FOUNDATION.
- (E) STEEL POLE LIGHT
- FIXTURE AND POLE TO BE DEMOLISHED
- (N) MUNI OCS POLE. FURNISHED AND INSTALLED BY OTHERS.
- (E) MUNI OCS POLE TO REMAIN,
- (E) MUNI OCS POLE TO BE DEMOLISHED BY OTHERS.
- (E) TS POLE TO REMAINED.
- GROUND ROD – 5/8" ø X 10'–0" (15.88 mm X 3048 mm)
- (T) EXISTING AT&T MANHOLE
- (P) EXISTING PG&E MANHOLE
- P EXISTING PG&E SERVICE PULL BOX
- S EXISTING STREETLIGHT SERVICE PULL BOX
- S NEW STREETLIGHT SERVICE PULLBOX. PROVIDE FUSE AND FUSEHOLDER AND GROUND ROD INSIDE PULLBOX PER SPECIFICATION.
- TYPE I PULL BOX.
- (PIB) INSTALL NEW PULL BOX IN PLACE OF EXISTING PULL BOX (R/C EX PULL BOX), OR EXISTING CONTROLLER FOUNDATION (R/C EXISTING FOUNDATION), OR EXISTING POLE FOUNDATION (R/C EXISTING FOUNDATION) MODIFY EXISTING CONDUITS AND WIRING AS REQUIRED.
- (1) SHEET NOTE 1
- (A / XX) LIGHTING FIXTURE TAG
  A INDICATE FIXTURE TYPE
  XX INDICATE LAMP WATTAGE

A B B R E V I A T I O N S

AT&T	AT&T, INC.
BSCW	BARE STRANDED COPPER WIRE
BLHP	BUREAU OF LIGHT HEAD AND POWER
C	CONDUIT
CTSP CTSS	STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD PLANS AND STANDARD SPECIFICATIONS, RESPECTIVELY
DWG	DRAWING
(E), EX	EXISTING
F/I	FURNISH AND INSTALL UNDER THIS CONTRACT
HDPE	HIGH DENSITY POLYETHELYNE
HPS	HIGH PRESSURE SODIUM
GND, G	GROUND
GRSC	GALVANIZED RIGID STEEL CONDUIT
I/P	IN PLACE OF
LA	LUMINAIRE ARM
LGT	LIGHT
LUM	LUMINAIRE
NIC	NOT IN CONTRACT
mm	MILLIMETER
(N)	NEW
OCS	OVERHEAD CONTACT SYSTEM
OH	OVERHEAD
PED	PEDESTRIAN
PG&E, PGE	PACIFIC GAS AND ELECTRIC COMPANY
PVC	POLYVINYL CHLORIDE
R/C	REMOVE FROM SITE OF WORK AS CONTRACTOR'S PROPERTY
R/R	REMOVE AND RELOCATE, OR REMOVE AND REINSTALL AS APPLICABLE
R/S	REMOVE AND SALVAGE AS CITY'S PROPERTY
SL/STREET LIGHT	STREET LIGHT, INCLUDE BUT NOT LIMITED TO POLE, POLE BASED, ARM, FIXTURE, LAMPS, DRIVER, PHOTOCELL, AND ALL APPURTENANCES FOR COMPLETE OPERATING SYSTEM AND ASSEMBLIES.
SP	SPARE
SPDPWSF	STANDARD PLANS APRIL 2007, DEPARTMENT OF PUBLIC WORKS, CITY AND COUNTY OF SAN FRANCISCO
SSDPWSF	STANDARD SPECIFICATIONS, DEPARTMENT OF PUBLIC WORKS, CITY AND COUNTY OF SAN FRANCISCO
STD	STANDARD DRAWING
TS	TRAFFIC SIGNAL
TYP	TYPICAL
U	UTILITY
UON	UNLESS OTHERWISE NOTED
WP	WEATHER PROOF

G E N E R A L N O T E S

1. THESE ELECTRICAL PLANS ARE DIAGRAMMATIC AND ARE CORRECT FOR GENERAL DESIGN ONLY. THE EXACT LOCATIONS OF EQUIPMENT & APPURTENANCES SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER AND LANDSCAPE ARCHITECT.
2. THIS IS A GENERAL LEGEND. NOT ALL SYMBOLS ARE USED.
3. CONTRACTOR SHALL RESTORE SIDEWALK TO MATCH EXISTING SIDEWALK THAT ARE AFFECTED BY THIS PROJECT AS INCIDENTAL WORK.
4. ALL UTILITY PULL BOXES AND VAULTS WITHIN THE SIDEWALK THAT ARE AFFECTED BY THIS PROJECT SHALL BE ADJUSTED TO NEW GRADE. AND ALL EXISTING CONDUITS TO MEET SFDPW PLAN AND SPEC.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR WORKING AROUND AND PROTECTING ALL EXISTING TELEPHONE, CATV, TRAFFIC SIGNALS AND INTERCONNECT CONDUITS, AND FACILITIES ADJACENT TO WORK AREA. THESE FACILITIES INCLUDE BUT NOT LIMITED TO THE FOLLOWING: TREES, LANDSCAPING, HYDRANTS, UTILITY POLES, SIGNALS ETC..
6. CONTRACTOR TO VERIFY LIMITS OF SUB–SIDEWALK BASEMENTS BEFORE SAWCUTTING AND EXCAVATION WORK. VERIFICATION OF SUB–SIDEWALK BASEMENT AND ITS LIMITS ARE INCIDENTAL WORK.
7. REFER TO 2007 STANDARD PLAN AND SPECIFICATION FOR ALL ELECTRICAL INSTALLATION, UON.
8. PROVIDE 1/4" PULL ROPE AND CAP IN ALL EMPTY CONDUITS.
9. CONTRACTOR TO CONTACT THE CITY RESPECTIVE AGENCIES FOR ALL R/S AND DELIVERY OF EQUIPMENT VIA CITY REPRESENTATIVE PRIOR REMOVAL AND DELIVERY:
   STREETLIGHT: BART MURPHY AT (415) 227 8512
   TRAFFIC SIGNAL: STEVE VANNUCCHI AT (415) 550 2738
10. ALL SL CONDUITS SHALL BE ON SIDEWALK, UON.
11. ALL BOXES IMPACTED BY THIS CONTRACT SHALL BE CLEAN OF DEBRIS.
12. EXISTING CONDUIT IS TO BE ABANDONED, THE CONDUIT SHALL BE R/C IF IT IS EXPOSED, OTHERWISE R/C CONDUIT 3' BELOW GRADE AND CAP THE ENDS.
13. CONDUITS EXTENDING THROUGH THE PULL BOX THAT ARE TO BE ABANDONED, THE CONDUIT SHALL CUT OFF SO THAT IT WILL NOT PROTRUDE BEYOND THE PULL BOX; AND THE CONDUIT ENDS SHALL BE CAPPED.
14. NO EXPOSED CONDUITS. U.O.N.
15. CONTRACTOR SHALL COORDINATE WITH RESIDENT ENGINEER TO LAYOUT CONTRACT CURB LOCATIONS PRIOR TO POLE, PULL BOX, AND FOUNDATION CONSTRUCTION.
16. CONTRACTOR SHALL PROTECT EXISTING CURB RAMPS NOT SHOWN ON THE PLANS BY RUNNING CONDUITS AROUND THEM. EXISTING CURB RAMPS DAMAGED DURING CONSTRUCTION SHALL BE RECONSTRUCTED BY THE CONTRACTOR AT THEIR EXPENSE.
17. CONTRACTOR TO PROVIDE TEMPORARY POLE BASE MOUNTED LIGHTING FOR PEDESTRIAN AND VEHICULAR SAFETY IF THERE IS CONFLICT WITH EXISTING AND/OR NEW LIGHTING IN THE LIMIT OF WORK. MODIFY EXISTING CIRCUIT AND PROVIDE TEMPORARY LIGHTING. TEMPORARY LIGHTING SOURCE SHALL BE TAP FROM THE NEAREST EXISTING SOURCE OR PROVIDE OVERHEAD LIGHTING TO ACCOMMODATE THE NEW INSTALLATION. THIS WORK SHALL BE PART OF INCIDENTAL COST.
18. ALL EXISTING STREETLIGHT TO BE MAINTAINED THROUGHOUT THE PROJECT DURATION. EXISTING STREETLIGHTS TO BE REMOVED AFTER THE NEW STREETLIGHT ARE TESTED AND APPROVED.
19. ANY FIXTURE OR POLE THAT ARE R/C OR R/S, THE WIRING SHALL BE R/C BACK TO THE STREETLIGHT BOX, UON. AND MAINTAIN EXISTING CONTINUITY OF CIRCUIT TO ADJACENT FIXTURE.
20. EXISTING ELECTRICAL WIRING WHICH WILL NOT BE MADE OBSOLETE AND WILL BE DISTURBED DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO OPERATING CONDITION AS REQUIRED AND/OR DIRECTED. WHERE REQUIRED, SHOWN AND/OR DIRECTED, CONDUIT RUNS SHALL BE RELOCATED. IN SOME CASES, IT MAY BE NECESSARY TO EXTEND CONDUITS AND PULL IN NEW WIRING OR INSTALL JUNCTION BOXES AND SPLICE IN NEW WIRING OR REPLACE OLD WIRING WITH NEW.
21. CONTRACTOR TO COORDINATE WITH OTHER DISCIPLINES DRAWINGS TO RESOLVE ALL CONFLICTS PRIOR TO INSTALLING ANY ELECTRICAL WORK.
22. COORDINATE WITH PAVING, LANDSCAPE AND CURB RAMP DRAWINGS FOR GRADE CHANGES PRIOR TO INSTALLATION OR MODIFICATION OF ELECTRICAL WORK.
23. REFER TO STRUCTURAL DRAWINGS FOR SUB–SIDE WALK BASEMENT FOUNDATION DETAIL.
24. PRIOR TO START OF ELECTRICAL WORK, CONTRACTOR TO FIELD INVESTIGATE THE EXISTING ELECTRICAL CIRCUIT. RECONNECT ALL EXISTING TRAFFIC SIGNAL AND STREETLIGHT SERVICES WHICH MAY HAVE BEEN INTERRUPTED DUE TO RENOVATION. RESTORE ALL ELECTRICAL SERVICES AND WIRING TO EXISTING CONDITION. INCLUDING THE ADJACENT FIXTURE OUTSIDE LIMIT OF WORK AS INCIDENTAL COST.
25. CONTRACTOR TO REMOVE AND SALVAGE 10% OF ALL THE EXISTING UNPAINTED STEEL POLE THAT ARE IN RELATIVELY NEW AND WITHOUT PHYSICAL DAMAGE, COORDINATE WITH ENGINEER.

NO.	DATE	DESCRIPTION	BY	APP.

TABLE OF REVISIONS
THIS DRAWING WAS LAST MODIFIED: 09/23/16 11:45, BY: lduong

REFERENCE INFORMATION & FILE NO. OF SURVEYS

SEAL OF THE CITY AND COUNTY OF SAN FRANCISCO

SAN FRANCISCO PUBLIC WORKS

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

		Date:
Section Mgr:	Philip Thwin	9/23/16
Deputy Division Mgr:	Iqbal Dhapa	
Division Mgr:	Patrick Rivera	10/14/16

SEP 27 2016

DESIGNED: ZH/LD	DATE: 09/16
DRAWN: ZH/LD	DATE: 09/16
CHECKED: SL	DATE: 09/16

REGISTERED PROFESSIONAL ENGINEER STEVEN T. LEE NO. E15417 ELECTRICAL STATE OF CALIFORNIA 9/23/16

SCALE: NONE

SHEET OF SHEETS OF

2ND STREET STREETSCAPE IMPROVEMENTS PROJECT

ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES

CONTRACT NO. 1064J (R)
DRAWING NO. E–0.1
FILE NO. 106,283
REV. NO.

Drawing Path: V:\1064J_SECOND_STREET_STREETSCAPE_IMPROVEMENTS\2_Design\Working_Drawings\EEL\1064J_E0.1 –DESIGN GEN NOTES.dwg, Login: lduong
Plot Time: Fri, 23 Sep 2016 – 2:35pm
Model Units: Inches
Xrefs: V:\1064J_SECOND_STREET_STREETSCAPE_IMPROVEMENTS\2_Design\Working_Drawings\EEL\Xref\BOC_TBD.dwg