



USE LEGEND AS SHOWN

PROPOSED ONE PIECE DAVIT STREETLIGHT POLE (9.0m - 150W LED) IES TYPE 2 MC DIST. FLAT GLASS LUMINAIRE ON A TYPE C CONCRETE BASE (UNLESS OTHERWISE NOTED) . REFER TO SHEET 03 FOR DETAILS.  
(LINEWEIGHT= 0.300 - BLOCK= PDT)

PROPOSED MoTi STYLE TWO PIECE DAVIT STREETLIGHT POLE (13.5m - 400W LED) IES TYPE 2 MC DIST. FLAT GLASS LUMINAIRE ON AN MoTi STYLE TYPE D2 CONCRETE BASE (UNLESS OTHERWISE NOTED).  
REFER TO SHEET 03 FOR DETAILS.  
(LINEWEIGHT= 0.300 - BLOCK= PD2)

EXISTING DAVIT STREETLIGHT POLE  
(LINEWEIGHT= 0.300 - BLOCK= LT)

PROPOSED ONE PIECE DAVIT STREETLIGHT POLE (8.1m - 150W LED) IES TYPE 2 MC DIST. FLAT GLASS LUMINAIRE C/W PHOTOCELL AND 60AMP STAINLESS STEEL STREET LIGHTING SERVICE PANEL IN A 0.9m HIGH SERVICE BASE ON A TYPE C1 CONCRETE BASE  
(LINEWEIGHT= 0.300 - BLOCK= PDP)

EXISTING DAVIT STREETLIGHT POLE C/W PHOTOCELL AND SERVICE PANEL  
(LINEWEIGHT= 0.300 - BLOCK= EDP)

PROPOSED CONCRETE JUNCTION BOX (5686) C/W BONDED GALVANIZED STEEL LID LABELED "ELEC"  
(LINEWEIGHT= 0.500 - BLOCK= JB - TEXT HEIGHT= 2.500 - STYLE= ARIAL)

PROPOSED CONCRETE JUNCTION BOX (NUMBER DENOTES TYPE) C/W BONDED GALVANIZED STEEL LID LABELED "ELEC"  
(LINEWEIGHT= 0.500 - BLOCK= JB - TEXT HEIGHT= 2.500 - STYLE= ARIAL)

PROPOSED CONCRETE JUNCTION BOX (5686) C/W BONDED GALVANIZED STEEL LID LABELED "Coa COMM"  
(LINEWEIGHT= 0.500 - BLOCK= JB - TEXT HEIGHT= 2.500 - STYLE= ARIAL)

EXISTING CITY OF ABBOTSFORD TYPE 5686 COMMUNICATIONS JUNCTION BOX  
(LINEWEIGHT= 0.300 - BLOCK= JB - TEXT HEIGHT= 2.500 - STYLE= ARIAL)

LUMINAIRE ON RED PHASE CONDUCTOR  
(LINEWEIGHT= 0.300 - TEXT HEIGHT= 3.500 - TEXT STYLE= ARIAL)

LUMINAIRE ON BLACK PHASE CONDUCTOR  
(LINEWEIGHT= 0.300 - TEXT HEIGHT= 3.500 - TEXT STYLE= ARIAL)

PROPOSED 3 No. 6 RW90 ST. LTG. AND 1 No. 8 RW90 BOND IN 35mm RPVC  
(LINEWEIGHT= 0.500 - LINETYPE= CONDUIT)

PROPOSED 2 No. 6 RW90 ST. LTG. AND 1 No. 8 RW90 BOND IN 35mm RPVC  
(LINEWEIGHT= 0.500 - LINETYPE= CONDUIT)

EXISTING CONDUIT AND CONDUCTORS  
(LINEWEIGHT= 0.300 - LINETYPE= CONDUIT)

PROPOSED 78mm RPVC COMMUNICATIONS CONDUIT (EMPTY)  
(LINEWEIGHT= 0.500 - LINETYPE= CENTER2)

PROPOSED 35mm RPVC STUB OUT (CAP & MARK LOCATION)  
(LINEWEIGHT= 0.500)

PROPOSED 35mm RPVC CONDUIT ONLY  
(LINEWEIGHT= 0.500 - LINETYPE= AS SHOWN - TEXT STYLE= ROMANS - TEXT HEIGHT= 2.500)

EXISTING 53mm RPVC U/G DIP SERVICE CONDUIT C/W 3 No. 6 RW90 FEEDERS  
(LINEWEIGHT= 0.300 - LINETYPE= AS SHOWN - TEXT STYLE= ROMANS - TEXT HEIGHT= 2.500)

EXISTING RPVC COMMUNICATIONS CONDUIT (EMPTY)  
(LINEWEIGHT= 0.300 - LINETYPE= CENTER2)

BC HYDRO POLE  
(LINEWEIGHT= 0.300 - BLOCK= TPL)

1. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MASTER MUNICIPAL CONSTRUCTION DOCUMENT AND STANDARD DETAIL DRAWINGS (MMCD—PLATINUM EDITION), THE CANADIAN ELECTRICAL CODE, AND CITY OF ABBOTSFORD SPECIFICATIONS.
2. ALL CONDUCTORS SHALL BE RW90 XLPE STRANDED COPPER.
3. STAGGER CONNECTIONS IN EACH POLE SO THAT ONE LUMINAIRE CONNECTS TO BLACK PHASE CONDUCTOR AND OTHER TO RED.
4. CONDUCTORS INSIDE POLES SHALL BE NO.12 RW90 UNLESS OTHERWISE NOTED.
5. A TRON HEB SERIES WEATHERPROOF FUSE HOLDER, C/W A 10A BUSS KTK 10 FUSE AND 2 "L" TYPE INSULATING BOOTS, SHALL BE INSTALLED ON EACH LUMINAIRE LIVE CONDUCTOR IN THE HANDLEHOLE.
6. LUMINAIRES SHALL BE BONDED WITH A NO.12 RW90 BONDING CONDUCTOR FROM THE HANDLEHOLE OF THE POLE TO THE LUMINAIRE.
7. LUMINAIRES SHALL BE GE EVOLVE LED COMPLETE WITH DOOR TETHER CABLE.
8. ALL POLES AND SERVICE BASES SHALL BE GALVANIZED.
9. ALL STREET LIGHTS SHALL BE INSTALLED C/W WIRE SENTRY ANTI-THEFT PLATES.
10. ALL HANDLEHOLE COVERS SHALL BE A CITY OF ABBOTSFORD APPROVED ANTI-THEFT TYPE ANTI-THEFT BOLTS SUPPLIED BY THE CITY OF ABBOTSFORD AT CONTRACTOR'S EXPENSE
11. ALL STREET LIGHTS SHALL BE 1.5m CLEAR OF ALL DRIVEWAYS.
12. SEE BC HYDRO STANDARDS FOR SERVICE CONNECTION DETAILS.
13. CONTRACTOR SHALL ARRANGE FOR EXACT SERVICE LOCATION(S) WITH BC HYDRO PRIOR TO COMMENCING CONSTRUCTION.
14. CONTRACTOR SHALL ADVISE CITY WORKS INSPECTOR A MINIMUM 48-HOURS IN ADVANCE OF INSTALLATION OF CONDUIT AND LAMP STANDARDS.
15. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE ADEQUACY OF THE EXISTING STREETLIGHTING SERVICE- CONDUIT AND CONDUCTORS AND MAKE ALL THE NECESSARY REPAIRS TO ADEQUATELY COMPLETE ALL CONNECTIONS INTO THE EXISTING STREETLIGHTING SYSTEM.

TEXT 2  
PLOT STYLE = STYLE 2  
- LINEWEIGHT = 0.300  
TEXT STYLE = ROMANS  
HEIGHT = 2.200

PAGE\_FRAME

150W LED (FG)

7500

PROPOSED 7.5m STREETLIGHT POLE

STYLE 3  
0.300  
ROMANS  
2.500

1800

TYPE C2 CONCRETE BASE

1200

150W LED (FG)

9000

TYPICAL PROPOSED 9.0m STREETLIGHT POLE

VARIES

TYPE C CONCRETE BASE

1500

TEXT 2  
PLOT STYLE = STYLE 2  
LINEWEIGHT = 0.300  
TEXT STYLE = ROMANS  
HEIGHT = 2.200

USE POLE ELEVATIONS AS SHOWN, MODIFY IF REQUIRED

TEXT 4 (TITLE)  
PLOT STYLE = ST  
LINWEIGHT = 0.3  
TEXT STYLE = RO  
HEIGHT = 3.5

NOTES

1. REFER TO SHEET 03 FOR COMM CONDUIT ENTRY INTO JB DETAIL

2. CONDUIT ROUTING IS DIAGRAMMATIC ONLY. ALL CONDUIT & EQUIPMENT SHALL BE PLACED WITHIN CITY RIGHT OF WAY & AT OFFSET AS NOTED.

STREET LIGHTING DESIGN CRITERIA		
ITEM	DESIGN REQUIREMENTS	DESIGN ACHIEVED
STREET NAME(S)	STREET NAME (FROM STA 10+00 TO 14+80)	
PEDESTRIAN ACTIVITY	LOW	
ROAD CLASSIFICATION	ARTERIAL	
ILLUMINATION TYPE	400W LED (13.5m DAVIT POLE)	
SPACING (MAX)	75.0m ONE SIDED	
ILLUMINANCE LEVEL (AVG.)	9.0 LUX	11.8 LUX
ILLUMINANCE UNIFORMITY RATIO (AVG.:MIN.)	3.0:1	2.6:1
TOTAL LLF (4 YEAR RELAMP INTERVAL)	0.78	

CONTRACTOR SHALL CONFIRM ON SITE PRIOR TO CONSTRUCTION THAT POLES & EQUIPMENT WILL MEET WorkSafeBC CLEARANCE REQUIREMENTS FOR OVERHEAD PRIMARY AND SECONDARY LINES. CONTRACTOR TO REPORT ANY CONFLICTS OR DISCREPANCIES TO CONSULTANT.

CONTRACTOR SHALL REFER TO MUNICIPAL RECORD / CIVIL DESIGN DRAWINGS FOR ALL OTHER UTILITIES, SERVICE LOCATIONS, AND DETAILS. THE EXACT LOCATION OF THESE UTILITIES SHALL BE DETERMINED ON SITE BY THE CONTRACTOR.

ADD COA ROADS NUMBER  
IF ONE BEING USED → R-XXX

COA LIGHTING NUMBER → L-XXX

05 1 COA DWG NO

DISCIPLINE SHEET NO. 1 OF 1 COA DWG. NO.

LOCATION FOR GAS,  
ELECTRICAL, TEL, & CABLE  
UTILITIES TO BE VERIFIED

ENGINEER

COMPANY NAME AND LOGO

[illegible]

DATE:	YEAR	MM	DD
DRAWN:	XX		
DESIGN:	XX		
SCALE HOR.	1	:	500
SCALE VER.	—		

PROJECT SHEET NUMBERS  
1 OF 3  
COA CONTRACT NUMBER:  
00000  
COA SAP NO.: 0000000



CONSULTANT PROJECT NO.:	0000-00	CONSULTANT DWG. NO.:	01 of 03
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STREET NAME  
STREET TO STREET  
STREET LIGHTING

01 of 03







