	DMD DMD & Associates	CONSTRUCTION Date:
enchmark:		ACCEPTED FOR
48. STREET LIGHT BOLTS SHALL HAVE COLOUR-CODED NUT CAPS.		18. THE ELECTRICAL CONTRACTOR SHALL PRE-TEST THE OPERATION
47. STREET LIGHT BASE FLANGES SHALL BE LEVEL ON TWO HORIZO	DNTAL AXIS.	17. HYDRO SERVICE (DIP) CONNECTIONS SHALL BE PER BC HYDRO STEEL GUARD OVER RPVC CONDUITS, LAG BOLTED TO THE WOOL
6. MANHOLES, VALVE BOXES, SERVICE CONNECTIONS SHA f. JUNCTION BOXES SHALL BE 2-METERS		16. GAPS OR OPENINGS BETWEEN THE STREET LIGHT POLE BASE FL SEALED WITH RTV SEALANT.
d. HYDRANTS SHALL BE 3-METERS e. MANHOLES, VALVE BOXES, SERVICE CONNECTIONS SHA	II BE 2-METERS	15. STREET LIGHTS MOUNTED ON A SERVICE BASE SHALL BE WIRED PEC WIRING. GROUPING SHALL BE DONE WITH ELECTRICIANS TAP
b. KIUSKS SHALL BE 3-METERS c. DRIVEWAYS SHALL BE 2-METERS (EXCLUDING THE FLA	RE)	14. THE CONTRACTOR SHALL ENSURE THE SERVICE BASE IS PROPER THE ELECTRICAL PANEL.
a. TREES SHALL BE 6—METERS b. KIOSKS SHALL BE 3—METERS		13. THE PEC CONDUCTORS SHALL BE #12 RW90, COLOURS: RED, B PEC SOCKET TO THE ELECTRICAL PANEL. BUNDLED SEPARATE OF
	DUITS. CONDUITS WITH WATER OR OTHER OBSTRUCTIONS SHALL BE BLOWN CLEAR. CEPTED BY THE CITY THE MINIMUM SPACING BETWEEN STREET LIGHTS AND:	d. PROVIDED WITH LED STATUS INDICATORS, VISIBLE WHEN e. PREFERRED MANUFACTURERS: MERSEN AND SQUARE-D.
, , , ,	WITH NYLON PULL STRINGS AND KEPT IN PLACE WITH UNGLUED CAPS AT EACH END	C. MINIMUM DISCHARGE RATING: 20KA
41. ALL CONDUITS SHALL BE PROVIDED WITH A NYLON PULL LINE.		a. ELECTRICAL ACCREDITATIONS: CSA, ETL, CULUS, ETC. b. SYSTEM VOLTAGE AND FREQUENCY: 120/240V, 50/60 I
39. BOTTOM OF JUNCTION BOXES SHALL BE OPEN. BOTTOM SECTIO 40. WIRING CONNECTIONS, SPLICES AND FUSE-HOLDERS IN JUNCTION	NS SHALL BE SUPPORTED WITH CONCRETE BRICKS AND USE CRUSHED GRAVEL TO DRAIN WATER. ON BOXES SHALL BE KEPT OUT OF WATER	12. SURGE PROTECTION DEVICE SPECIFICATIONS:
FINE DRAIN ROCK WITH 300mm FINE DRAIN ROCK.	SHOWN ON STANDARD DETAIL MMCD DRAWING E2.3 C/W BOLT DOWN 2 PIECE LIDS. REPLACE 15	iOmm n. PANEL SHALL BEAR ELECTRICALLY APPROVED LABELS FO i. FOR THE 40A AND 60A ELECTRICAL PANEL, REFER TO
COMMUNICATIONS - THE LIDS SHOULD BE ETCHED COMM, ALL	UPPERCASE LETTERS.	ETC.). DETAILED SURGE PROTECTION DEVICE SPECIFICATI
STAINLESS STEEL HARDWARE. THE CONTRACTOR SHALL SUPPLY	A PIGTAIL SPLICE FROM THE INTERNAL BONDING CONDUCTORS TO THE METALLIC LID BOND ALS, STREET LIGHTING, ETC.) - THE LIDS SHOULD BE ETCHED ELEC, JUNCTION BOXES FOR	f. THE FRONT PANEL PEC FUSE—HOLDER AND THE PEC E g. PROVIDED WITH AN SPD (SURGE PROTECTION DEVICE),
BE ATTACHED INTO THE JUNCTION BOX SIDEWALLS. THE ELECTR 36. JUNCTION BOXES WITH METALLIC LIDS (NEW OR EXISTING) SHAI	RICAL CONNECTIONS AND FUSE-HOLDERS WILL BE HELD IN PLACE BY TIE-WRAPS	e. THE PEC BYPASS SWITCH SHALL BE A HEAVY-DUTY, 3- SWITCH. ARE NOT ACCEPTABLE.
35. JUNCTION BOXES SHALL BE PROVIDED WITH RPVC SUPPORT BA	ARS TO SUPPORT THE ELECTRICAL CONNECTIONS AND FUSE HOLDERS (IF USED). THE RPVC BARS	
34. ALL JUNCTION BOXES, IN SOFT BOULEVARD SHALL BE SUPPOR COLLAR TO SLOPE DOWN AWAY FROM BOX OPENING AT 3% TO SS-E2.5 FOR DETAILS.	TED/PROTECTED WITH A CONCRETE COLLAR. MINIMUM 200mm WIDE BY 150mm DEPTH, WITH REBA DIRECT WATER AWAY FROM BOX OPENING. REFER TO COQUITLAM SUPPLEMENTAL SPECIFICATION DI	RAWING FUSE—HOLDER. PUSH—BUTTON CIRCUIT BREAKERS ARE
USING TIE-WRAPS. LABELLING SHALL BE WITH A WATERPROOF S		THE 100-AMPERE PANELS.
240V LINE TO LINE SERVICES, ONE TWO FUSE SHALL BE USED		MOUNTING TABS SHALL BE BOLTED ON TO THE UNISTRU
32. FUSE HOLDERS IN HAND HOLE ACCESS AND JUNCTION BOXES FUSE HOLDER, OR APPROVED EQUIVALENT. EACH FUSE-HOLDER	SHALL UTILIZE AN IDEAL INDUSTRIES OR BUCHANAN CONSTRUCTION PRODUCTS 65 KIT WATER-PRO	
31. ALL LARGE GAUGE (# 8 OR LARGER) SPLICES AND CONNECTIO	NS, WITHIN JUNCTION BOXES OR HAND ACCESS OPENINGS, SHALL BE SEALED WITH TAPE CONSISTI PE; COVERED WITH PVC TAPE AND DIPPED IN 3M SCOTCHCOAT. OR PRE-APPROVED EQUIVALENT.	BOLT SHALL CONSIST OF ONE 3/8-16 POLT SPLIT LOCK WASH
30. ALL LARGE GAUGE, MULTIPLE CONDUCTOR SPLICES, WHICH MAY WEATHER-RESISTANT / WATER-PROOF CONNECTION MEANS. THI	' EXCEED THE LARGER WIRE NUTS, SHALL UTILIZE SPLIT BOLT HARDWARE, DUCT SEALANT, AND WIT E STANDARD HOUSE—HOLD "WIRE NUT" IS NOT WATER PROOF.	INSTALLED IMMEDIATELY AFTER THE CRINDING
29. ALL POLES SHALL BE BONDED WITH A NO 8 RW90 BONDING C RING LUG TERMINAL BENEATH THE BONDING HARDWARE.	CONDUCTOR. THE CONTRACTOR SHALL SUPPLY A 4WAY PIGTAIL SPLICE TO THE POLE BOND, AND W	/ITH A 9. THE SERVICE BASE SHALL BE PROVIDED WITH A BONDING TAB. OR TO BARE STEEL FOR THE ELECTRICAL BOND ADHERENCE. TO
LOCK-WASHER SHALL BE SLID ONTO THE BOLT ON THE INSIDE	OF THE POLE, AND HELD TIGHTLY IN PLACE WITH THE FIRST NUT. THIS NUT SHALL BE TIGHTENE WEEN THE TWO HEX NUTS. THE LAST NUT HOLDS THE RING TERMINAL IN PLACE. ALL HARDWARE	
ADHERENCE. TO ENSURE A PROPER BOND AND REDUCE CORRO	DSION OR RUSTING, THE BONDING STUD SHALL BE INSTALLED IMMEDIATELY AFTER THE GRINDING. 3/8-16 BOLT 1.5-INCHES LONG, ONE SPLIT LOCK WASHER, AND TWO HEX NUTS. THE SPLIT	FLAT WASHERS AND ANTI-SEIZING COMPOUND. THE CITY MAY INS
27. THE INTERIOR COLOUR-FINISHED SURFACE SURROUNDING THE	LE AND SHALL NOT BE ON THE FLANGE OF THE ACCESS HOLE OPENING. BOND STUD SHALL BE GROUND OFF TO THE GALVANIZING OR BARE STEEL FOR THE ELECTRICAL B	6. THE SERVICE BASE PEDESTAL SHALL BE PROVIDED WITH TWO 3/
AT THE BASE OF THE POLE.	12 RW90 GREEN CONDUCTOR. THIS CONDUCTOR SHALL TERMINATE INTO THE BONDING CONDUCTOR	RUN SUPPLEMENTAL PLAN SS-E7.3, LOWER DETAIL 5. THE LOCKING TAB ON THE SERVICE BASE PEDESTAL, SHALL BE BULLDOG PRODUCT SHALL NOT BE INSTALLED.
ACCESSIBLE FROM THE HAND-HOLE ACCESS, OR JUNCTION BO		d. TRAFFIC SIGNAL CONCRETE BASES: 100-AMPERE PANEL
SHALL BE ACCESSIBLE IN THE HAND-HOLE COVER.	JSE-HOLDER C/W 2 L-TYPE INSULATING BOOTS, OR PRE-APPROVED EQUIVALENT. THE FUSE-HOLD	c. STREET LIGHTING CONCRETE BASES: 40 OR 60-AMPERE
22. LUMINAIRES ON RED CONDUCTOR ARE IDENTIFIED WITH A R DES		b. THE CONCRETE BASE SHALL MEET OR EXCEED MMCD20
21. LUMINAIRES ON BLACK CONDUCTOR ARE IDENTIFIED WITH A B I	DESIGNATION NEXT TO THE LUMINAIRES	4. THE SERVICE BASE SHALL BE MOUNTED ON A PREFORMED CONC a. THE CONCRETE BASE SHALL NOT BE FORMED ONSITE O BASE SHALL BE PROVIDED FROM A PRECAST COMPANY,
	LACK AND WHITE FOR 120V SERVICE. BLACK AND RED FOR 240V SERVICE. WIRING BUNDLED SEPA	RATE 3. THE SERVICE BASE ACCESS DOOR SHALL BE DOWNSTREAM OF T 4. THE SERVICE BASE SHALL BE MOUNTED ON A PREFORMED CONC
19. PEC CONDUCTORS SHALL BE #12 RW90, COLOURS: RED, BLAC TO THE ELECTRICAL PANEL. BUNDLED SEPARATE OF THE STREE	K AND WHITE. THE PEC CONDUCTORS SHALL BE A COMPLETE RUN, WITHOUT SPLICES, FROM THE T LIGHTING CONDUCTORS.	
18. PHOTO ELECTRIC CONTROL (PEC) SHALL ONLY BE SOLID-STATE		ABOVE APPLY. 2. UNLESS OTHERWISE INDICATED, THE SERVICE BASE AND ACCESS
c. THE BULLDOG PRODUCTS AND WIRE SENTRY PRODUCTS 17. ALL THREADED BOLTS, NOT USED FOR ELECTRICAL CONNECTION	S ARE NO LONGER APPROVED FOR USE IN COQUITLAM. IS, SHALL HAVE ANTI—SEIZE COMPOUND APPLIED. THIS ALSO APPLIES TO SECURITY BOLTS NOTED .	
 b. THE ABOVE ITEM DOES NOT APPLY TO SPECIALTY POL MEASURES. 	ES, SUCH AS PHILLIPS, LUMEC, QUATTRO, ETC. CONSULT THOSE COMPANIES FOR THEIR SECURITY	SERVICE DASE / ELECTRICAL PANEL / EARTHING ELECT
a. NOVA POLE OFFERS A REINFORCED COVER, REVERSE TO COQUITLAM TRAFFIC OPERATIONS	THREADED SECURITY BOLT, AND ROBUST BACKER BAR. CONTRACTOR SHALL PROVIDE ONE (1) TOOL	L BIT SERVICE BASE / ELECTRICAL PANEL / EARTHING ELECT
16. ALL STREET LIGHT HAND-HOLE COVERS SHALL BE PROVIDED W MAJOR POLE MANUFACTURERS OFFER ENHANCED SECURITY DEV	ITH SECURITY COVERS REINFORCED U-SHAPED REINFORCED BACKER BARS AND SECURITY BOLTS. ICES:	TWO 7. CONCRETE BASE TOPS SHALL BE 7-CM (~2.5-INCHES) ABOVE
15. UNLESS OTHERWISE INDICATED: ALL POLES, ARMS, SERVICE BAS GALVANIZED, PRIMED AND POWER-COATED. CONSULT THE PLAN	ES, HAND ACCESS COVERS, SECURITY COVERS, AND RE-ENFORCED STEEL BACKING BARS, SHALL S FOR SPECIFIC COLOURS.	WASHERS SHALL DE MOUNTED DETWEEN THE CONCRETE DASE AN
14. NEW STREET LIGHTING DESIGNS SHALL ONLY BE 120/240V.		5. CONCRETE BASES WITH MORE THAN 2 CONDUITS SHALL BE NOT
·	2 CONDUITS SHALL BE NOTED ON THE PLANS. AS AN EXAMPLE, "THIS BASE HAS (X) CONDUITS' PE RW90 (MINIMUM), STRANDED COPPER, INSULATED, AND COLOUR CODED PER DRAWINGS.	" 4. THE CIVIL/ELECTRICAL CONTRACTOR SHALL ENSURE STREET LIGH CLEARANCE REQUIREMENTS, FOR ALL OVERHEAD PRIMARY AND S THE CITY OF COQUITLAM, AND TO THE DESIGN ENGINEERS
11. ALL CONDUITS SHALL BE RIGID P.V.C MANUFACTURED IN ACCOR		REQUIREMENT, WITH 12 HOURS ADVANCE NOTIFICATION.
10. MINIMUM DEPTH FOR UNDERGROUND CONDUIT DUCTING SHALL PER CITY OF COQUITLAM SUBDIVISION AND DEVELOPMENT SERVI	BE 600—MM (MINIMUM) BELOW BOULEVARD AND SIDEWALKS, AND 900—MM (MINIMUM) BENEATH AS CING BYLAWS.	PHALT. COQUITLAM SUPPLEMENTAL PLAN SS-E7.3, THE SERVICE e. CITY OF COQUITLAM CIVIL INSPECTOR SHALL ATTEND WH
CONDUITS. THE USE OF RIGID CONDUIT AND/OR RPVC TO RIGIL		d. THE CONCRETE BASE SHALL BE INSTALLED TO ENSURE
ALL BULLETINS ISSUED BY TECHNICAL SAFETY BC (WAS BC SAI	FETY AUTHORITY), INCLUDING THE PROVINCIAL ELECTRICAL INSPECTION AMENDMENTS.	c. PRIOR TO SERVICE BASE INSTALLATIONS, THE CONTRACT (SC) IS ALIGNED TO THE PROTECTED AREA WITHIN THE
IRRIGATION POWER SHALL BE POWERED FROM METERED CIRCUIT	ACCORDANCE WITH CSA, CANADIAN ELECTRICAL CODE, PROVINCE OF BRITISH COLUMBIA AMENDMENTS	b. TRAFFIC SIGNAL: 100-AMPERE PANELS, CONCRETE BASE
7. THE TECHNICAL SAFETY BC (WAS BC SAFETY AUTHORITY) SHALL	DM THE CITY OF COQUITLAM, AND FROM TECHNICAL SAFETY BC (WAS BC SAFETY AUTHORITY). BE MADE AWARE OF THE (POSSIBLE) USE OF AN IRRIGATION SYSTEM WITHIN THE STREET LIGHT	a. STREET LIGHTING: 40 AND 60-AMPERE PANELS, CONCR
	UITLAM INSPECTORS 24 HOURS PRIOR TO COMMENCEMENT OF UNDERGROUND ELECTRICAL WORK.	A PRECAST COMPANY, SUCH AS AE PRECAST, ARMTEC, LANGLEY 3. CONCRETE BASES FOR A SERVICE BASE:
	COND INFRASTRUCTURES, TELUS OR SHAW, AND WORKSAFEBC CLEARANCE REQUIREMENTS FOR ALL CONTRACTOR IS RESPONSIBLE TO REPORT ANY CONFLICTS OR DISCREPANCIES TO THE CITY OF	2. THE CONCRETE BASE SHALL NOT BE FORMED ONSITE, AND SHAL
4. PRIOR TO STREET LIGHT BASE INSTALLATIONS, THE CONTRACTOR	ACTOR'S PAILORE TO EXACTLY LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES. R SHALL ENSURE THAT ALL STREET LIGHT POLES, FIXTURES AND RELATED EQUIPMENT MEETS OR E OUND INFRASTRUCTURES, TELUS OR SHAW, AND WORKSAFEBC CLEARANCE REQUIREMENTS FOR ALL	
ONLY, AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE EXISTING UTILITIES, INCLUDING CITY OF COQUITLAM INFRASTRUCT	IG UNDERGROUND UTILITIES (FORTIS, BC HYDRO, SHAW AND TELUS) ARE SHOWN IN AN APPROXIMA OWNER OR ITS REPRESENTATIVES. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF AL FURE PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL AGREE TO BE FULLY RESPONSIBLE F RACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES.	
LOCATION OF THESE UTILITIES SHALL BE CONFIRMED ON SITE E INSPECTORS.	BY THE DESIGN ENGINEERS, CIVIL OR ELECTRICAL CONTRACTORS, AND WITH CITY OF COQUITLAM	POLEDICA. 52. JUNCTION BOXES (IF USED), TOPS SHALL BE LEVEL ON 2 AXIS.
EDITION. 2. THE CONTRACTOR SHALL REFER TO COQUITLAM RECORD DRAWIN	NGS, FOR ALL CITY UTILITIES AND INFRASTRUCTURE, SERVICE LOCATIONS AND DETAILS. THE EXACT	51. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THEIR ELECTRICAL
	ACCORDANCE WITH THE CITY OF COQUITLAM CURRENT SUBDIVISION CONTROL BYLAWS, CITY OF WINGS, CITY OF COQUITLAM APPROVED MATERIALS AND PRODUCTS LISTINGS, AND 2019 MMCD PLA	TO BC HYDRO FOR CONNECTIONS.
STREET LIGHTING NOTES		49. IT SHALL BE THE CONTRACTORS / DEVELOPERS RESPONSIBILITY TRAFFIC OPERATIONS (OR ASSIGNED) WILL INSPECT THE INSTALL

Electrical Consultants Ltd.

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DMD PROJECT No. 7519-22-01 of 10

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604/589-9010 Fax 604/589-9012

appurtenances requiring adjustment.
Plot Date: January 15, 2025

Contractor to contact Telus, BC Hydro, FortisBC and BC one call

prior to construction to confirm locations of utilities and

THE CONTRACTORS / DEVELOPERS RESPONSIBILITY TO SUBMIT THE ELECTRICAL PERMITS TO THE ASSIGNED COQUITLAM FIELD INSPECTOR. COQUITLAM RATIONS (OR ASSIGNED) WILL INSPECT THE INSTALLATIONS AND PROVIDE A DEFICIENCY LIST (IF NECESSARY). TRAFFIC OPERATIONS WILL ISSUE A REQUEST FOR CONNECTIONS.

ARE REQUIRED TO PAY A FLAT-RATE CHARGE TO CITY OF COQUITLAM FOR NEW BC HYDRO CONNECTION FEES. THIS DOES NOT APPLY WHERE NEW TS ARE CONNECTED INTO EXISTING SERVICES.

CAL CONTRACTOR SHALL PROVIDE THEIR ELECTRICAL PERMIT TO THE CITY OF COQUITLAM, TRAFFIC OPERATIONS. ATTENTION: JARROD MITCHELL OR VLADAN

TE BASES SHALL BE PER MMCD 2019 STANDARDS AND PLANS. PROVIDED WITH APPROPRIATE CONDUITS PER ENGINEERING REQUIREMENTS. TE BASE SHALL NOT BE FORMED ONSITE, AND SHALL NOT BE FORMED BY THE ELECTRICAL CONTRACTOR. THE CONCRETE BASE SHALL BE PROVIDED FROM OMPANY, SUCH AS AE PRECAST, ARMTEC, LANGLEY CONCRETE, ETC. ASES FOR A SERVICE BASE:

EET LIGHTING: 40 AND 60-AMPERE PANELS, CONCRETE BASE WITH 5 OR MORE RPVC CONDUITS, PER CITY OF COQUITLAM SUPPLEMENTAL PLAN SS-E7.3, FIC SIGNAL: 100-AMPERE PANELS, CONCRETE BASE WITH 2 53MM RPVC CONDUITS, PER CITY OF COQUITLAM SUPPLEMENTAL PLAN SS-E7.3, LOWER

OR TO SERVICE BASE INSTALLATIONS, THE CONTRACTOR SHALL ENSURE THE CONCRETE BASE IS PROPERLY ORIENTATED SUCH THAT THE SERVICE CONDUIT IS ALIGNED TO THE PROTECTED AREA WITHIN THE ELECTRICAL PANEL WITHIN THE SERVICE BASE. REFER TO COQUITLAM SUPPLEMENTAL DRAWINGS SS AND E7.4

CONCRETE BASE SHALL BE INSTALLED TO ENSURE THE CONCRETE BASE IS PROPERLY ALIGNED FOR THE SERVICE BASE ACCESS DOOR. PER CITY OF JITLAM SUPPLEMENTAL PLAN SS-E7.3, THE SERVICE BASE ACCESS DOOR SHALL BE ON THE DOWNWARD SIDE OF TRAFFIC. OF COQUITLAM CIVIL INSPECTOR SHALL ATTEND WHEN THE CONCRETE BASE IS TO BE INSTALLED, TO CONFIRM COMPLIANCE TO CITY OF COQUITLAM IREMENT, WITH 12 HOURS ADVANCE NOTIFICATION.

CTRICAL CONTRACTOR SHALL ENSURE STREET LIGHT POLES, FIXTURES AND RELATED EQUIPMENT MEETS OR EXCEEDS BC HYDRO AND WORKSAFEBC EQUIREMENTS, FOR ALL OVERHEAD PRIMARY AND SECONDARY LINES. CONTRACTOR IS RESPONSIBLE TO REPORT ANY CONFLICTS OR DISCREPANCIES TO COQUITLAM, AND TO THE DESIGN ENGINEERS

ASES WITH MORE THAN 2 CONDUITS SHALL BE NOTED ON THE PLANS. AS AN EXAMPLE, "THIS BASE HAS (X) CONDUITS"

ASES SHALL BE PROVIDED WITH A V-GROOVE TO DISPERSE STANDING WATER. IF A V-GROOVE IS NOT AVAILABLE, THEN ROUND FLAT STAINLESS STEEL IALL BE MOUNTED BETWEEN THE CONCRETE BASE AND THE BOTTOM OF THE SERVICE BASE. U-SHAPED SHIMS NOT ACCEPTABLE. ASE TOPS SHALL BE 7-CM (~2.5-INCHES) ABOVE FINAL GRADE CONCRETE BASES SHALL BE LEVEL ON TWO HORIZONTAL AXIS

E / ELECTRICAL PANEL / EARTHING ELECTRODE

RWISE INDICATED, ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF COQUITLAM CURRENT SUBDIVISION CONTROL BYLAWS, CITY OF JPPLEMENTARY SPECIFICATIONS AND DETAILED DRAWINGS AND CITY OF COQUITLAM APPROVED MATERIALS AND PRODUCTS LISTINGS. MMCD 2019 MAY

RWISE INDICATED, THE SERVICE BASE AND ACCESS COVERS ARE TO BE GALVANIZED, PRIMED AND POWDER-COATED IN COLOUR PER THE DESIGN PLANS. OF COQUITLAM HAS SEVERAL COLOURS: RAL6028 GREEN, RAL9005 BLACK, RAL8014 BROWN, ETC. CONSULT THE PLANS FOR SPECIFIC COLOURS. BASE ACCESS DOOR SHALL BE DOWNSTREAM OF TRAFFIC.

BASE SHALL BE MOUNTED ON A PREFORMED CONCRETE BASE:

CONCRETE BASE SHALL NOT BE FORMED ONSITE OR CAST-IN-PLACE, AND SHALL NOT BE FORMED BY THE ELECTRICAL CONTRACTOR. THE CONCRETE E SHALL BE PROVIDED FROM A PRECAST COMPANY, SUCH AS AE PRECAST, ARMTEC, LANGLEY CONCRETE, ETC. CONCRETE BASE SHALL MEET OR EXCEED MMCD2009 SPECIFICATIONS, SECTION 34-41-13, SUBSECTION 3.3 CONCRETE BASES, PAGE 11 OF 16. PRIOR THE CONCRETE BASE INSTALLATION, A CERTIFICATE OF COMPLIANCE TO SUBSECTION 3.3.5 SHALL BE PROVIDED TO THE CIVIL INSPECTOR EET LIGHTING CONCRETE BASES: 40 OR 60-AMPERE PANEL (SIZE DEPENDANT ON LOADING REQUIREMENTS), CONCRETE BASE WITH 5 OR MORE RPVC IDUITS, PER CITY OF COQUITLAM SUPPLEMENTAL PLAN SS-E7.3, UPPER DETAIL

FIC SIGNAL CONCRETE BASES: 100-AMPERE PANEL, CONCRETE BASE WITH ONE 35MM AND TWO 53MM RPVC CONDUITS, PER CITY OF COQUITLAM PLEMENTAL PLAN SS-E7.3, LOWER DETAIL TAB ON THE SERVICE BASE PEDESTAL, SHALL BE OF A ROBUST DESIGN AND MANUFACTURE, AND SHALL ACCEPT A STANDARD CITY PADLOCK. A WCE DDUCT SHALL NOT BE INSTALLED.

BASE PEDESTAL SHALL BE PROVIDED WITH TWO 3/8-16 THREADED HOLES IN THE UPPER FLANGE AND WITH MATING CLEARANCE HOLES ON THE COVER. SHALL BE AT THE TOP, ONE HOLE ON EITHER SIDE OF THE LOCKING TAB. THE CONTRACTOR SHALL PROVIDE 2 EACH 3/8-16 STAINLESS STEEL BOLTS, S AND ANTI-SEIZING COMPOUND. THE CITY MAY INSTALL SECURITY BOLTS.

ED BOLTS, NOT USED FOR ELECTRICAL CONNECTIONS, SHALL BE STAINLESS STEEL AND HAVE ANTI-SEIZE COMPOUND APPLIED. BASE COVER SHALL NOT BE A SNUG FIT INTO THE SERVICE BASE OPENING. SOME LEEWAY SHALL BE PROVIDED TO FIT THE LOCKING TAB AND BOLTS CLEARANCE OPENINGS.

BASE SHALL BE PROVIDED WITH A BONDING TAB. THE COLOUR-FINISHED SURFACE SURROUNDING THE BOND TAB SHALL BE GROUND OFF TO GALVANIZING STEEL FOR THE ELECTRICAL BOND ADHERENCE. TO ENSURE A PROPER BOND AND REDUCE CORROSION OR RUSTING, THE BONDING STUD SHALL BE MEDIATELY AFTER THE GRINDING.

CIAN SHALL PROVIDE A No. 8 GAUGE RW90 BOND WITH A RING LUG FROM THIS TAB INTO THE ELECTRICAL PANEL ONTO THE BONDING BUSS. THE 3/8-16 CONSIST OF ONE 3/8-16 BOLT, SPLIT LOCK WASHER AND 2 HEX NUTS. THE RING TERMINAL IS SANDWICHED BETWEEN THE 2 NUTS. TIGHTEN TO

RICATED FROM STAINLESS STEEL OR ALUMINUM. THE PANEL SHALL BE SET STRAIGHT, AND PARALLEL TO INTERNAL SERVICE BASE SURFACES. ALL FOUR JNTING TABS SHALL BE BOLTED ON TO THE UNISTRUT RAILS WITHIN THE SERVICE BASE PEDESTAL. /IDED WITH A MAIN DISCONNECT, 2P-40A, 2P-60A, OR 2P-100A, 120/240V PER THE DESIGN PLANS. BRANCH BREAKERS ARE GENERALLY REQUIRED FOR

100-AMPERE PANELS. PHOTO-ELECTRIC CONTROL (PEC) CIRCUIT FUSING SHALL PER MMCD, USE A KTK10 (10-AMPERE) FUSE (600V), AND SUITABLE FRONT PANEL MOUNTED E-HOLDER. PUSH-BUTTON CIRCUIT BREAKERS ARE NOT ACCEPTABLE.

PEC FUSE-HOLDER AND FUSE SHALL BE MOUNTED ON THE FRONT PANEL, NEAR THE H-O-A OR O-H-A 3-POSITION ROTARY SWITCH. THIS APPLIES TO 60A AND 100A ELECTRICAL PANELS PEC BYPASS SWITCH SHALL BE A HEAVY-DUTY, 3-POSITION MAINTAINED, H-O-A OR O-H-A ROTARY SWITCH. TWO POSITION ROTARY SWITCH OR TOGGLE

CH. ARE NOT ACCEPTABLE. FRONT PANEL PEC FUSE-HOLDER AND THE PEC BYPASS SWITCH SHALL BE PROVIDED WITH LABELS, DETAILS PER MMCD DRAWINGS

VIDED WITH AN SPD (SURGE PROTECTION DEVICE), MOUNTED WITHIN THE ELECTRICAL PANEL, AND WITH FAULT PROTECTION (CIRCUIT BREAKERS, FUSING,). DETAILED SURGE PROTECTION DEVICE SPECIFICATIONS FOLLOW.

IEL SHALL BEAR ELECTRICALLY APPROVED LABELS FOR USE IN CANADA. SUCH AS CSA, ETL, CULUS, SPECIAL INSPECTIONS, ETC. THE 40A AND 60A ELECTRICAL PANEL, REFER TO CITY OF COQUITLAM SUPPLEMENTAL DRAWING SS-E7.5

TEM VOLTAGE AND FREQUENCY: 120/240V, 50/60 HERTZ

VIDED WITH LED STATUS INDICATORS, VISIBLE WHEN THE SERVICE BASE OR ELECTRICAL PANEL IS REMOVED. WITHOUT THE USE OF TOOLS. FERRED MANUFACTURERS: MERSEN AND SQUARE-D. ALL OTHERS SHALL BE PRE-APPROVED.

IDUCTORS SHALL BE #12 RW90, COLOURS: RED, BLACK AND WHITE. THE PEC CONDUCTORS SHALL BE A COMPLETE RUN, WITHOUT SPLICES, FROM THE TO THE ELECTRICAL PANEL. BUNDLED SEPARATE OF THE STREET LIGHTING CONDUCTORS.

CTOR SHALL ENSURE THE SERVICE BASE IS PROPERLY ORIENTATED SUCH THAT THE SERVICE CONDUIT (SC) IS ALIGNED TO THE PROTECTED AREA WITHIN CAL PANEL. TS MOUNTED ON A SERVICE BASE SHALL BE WIRED PER MMCD DRAWINGS. LUMINAIRE CONDUCTORS SHALL BE GROUPED TOGETHER, AND SEPARATE OF THE

GROUPING SHALL BE DONE WITH ELECTRICIANS TAPE. ININGS BETWEEN THE STREET LIGHT POLE BASE FLANGES, THE OPENINGS FOR THE NUTS AND BOLTS, TO THE TOP OF THE SERVICE BASE, SHALL BE RTV SEALANT.

ICE (DIP) CONNECTIONS SHALL BE PER BC HYDRO STANDARDS OR PER MMCD (CURRENT EDITION). NOTE: HYDRO DIP SERVICES SHALL USE A 3-METER OVER RPVC CONDUITS, LAG BOLTED TO THE WOOD POLE. THE USE OF RIGID CONDUIT AND/OR RPVC TO RIGID CONDUIT FITTINGS IS NOT PERMITTED. CAL CONTRACTOR SHALL PRE-TEST THE OPERATION OF THE ELECTRICAL PANEL WITHIN THE SERVICE BASE. THIS INCLUDES TESTING THE O-H-A/H-O-A

ACCEPTED FOR CONSTRUCTION Date: Manager of

Development Servicing

15-01-2025 | BG | DRAFT - ISSUED FOR TENDER

| 13-12-2024 | BG | FIRST SUBMISSION

Date | By | Revisions

No.

Cooutlam Engineering & Public Works

3000 Guildford Way, Coquitlam, B.C. V3B 7N2

	PERMIT TO PRA	ACTICE
Signa	ture:	
Date:	15-01-2025	
_	PERMIT NUMBER:	1000771
	The Association of Professio	

and Geoscientists of British Columbia

Seal

IRE FIXTURE NOTES	

CITY OF COQUITLAM USES MULTIPLE LED LUMINAIRE STYLES. SOME LUMINAIRE INFORMATION IS BELOW.

- 3. LUMINAIRES SHALL BE LED AND AS PER THE DESIGN DRAWINGS.

- SHORTING CAP (EXCEPT WHERE A PEC IS REQUIRED).
- 8. A NOTE SHALL BE PROVIDED TO INDICATE: PEC AIMED IN A NORTHERN DIRECTION.
- GROUND.

LEGEND

●•	PROPOSED DAVIT STR
�-•	PROPOSED DAVIT STR
••••	PROPOSED DOUBLE D
•-••	PROPOSED DOUBLE D
₽-∎	PROPOSED PATHWAY
$\bigcirc - \circ$	EXISTING DAVIT STREE
\bigcirc	EXISTING POST TOP P
(Ĵ)o	FUTURE DAVIT STREET
3	PROPOSED POLYMER
C	PROPOSED LARGE JUI
	EXISTING JUNCTION BO
R	LUMINAIRE ON RED PI
В	LUMINAIRE ON BLACK
/// ue -	PROPOSED 3 No.6 RV
	PROPOSED 2 No.6 RV
- <u>/-/</u> - ∪E	EXISTING 3 No.6 RW9
	EXISTING 2 No.6 RW9
	PROPOSED RPVC STU
<u> </u>	PROPOSED 53mm RP
	PROPOSED COMMUNIC
	PROPOSED 1.8m X 1.
\$ ``` ``````	EXISTING BC HYDRO F

			_		
		2025-01-15		CALL BEFORE VOUDIG! 1-800-474-6886 Vancouver Area 257-1940 CALL AT LEAST TWO FULL WORKING DAYS BEFORE YOU FLAN TO DIG	COQ. ASBUILT No. EXXXX
ign by wn by cked by	Date 16-05-2018 Date 16-05-2018 Date	Scale - Sheet of 1 OF 10 Eng. Project No.	 Project Description	PIPELINE ROAD GUILDFORD WA	Y TO DAVID AVENUE
roved by	16-05-2018 Date 16-05-2018	1:500	File: 7519-;		

		CONSTRUCTION 2025-01-15	Ī		BC CALL CALL BEFORE YOU DIG! 1-800-474-6886 Vancouver Area 257-1940 CALL AT LEAST TWO FULL WORKING DAYS BEFORE YOU FLAN TO DIG	COQ. ASBUILT №. EXXXX
Desigr BG Drawn YJ Check NB Approv	16-05-2018 by Date 16-05-2018	Scale - Sheet of 1 OF 10 Eng. Project No. 1:500		Project Description File: 7519-;	STREET LIGHT	Y TO DAVID AVENUE

SWITCH	AND P	EC F	OR DA	YTIME	/ NIGH	Π
SERVICE	BASE	HAS	BEEN	DULY	TESTED	Α

- a. THE PLATE SHOULD BE IN NATURAL SOIL, NO ROCKS, NO SAND
- - CLAMP, SUITABLE FOR DIRECT BURIAL IN EARTH. c. THE PLATE MINIMUM DEPTH OF 900mm BELOW GRADE AND 200mm FROM CONCRETE BASE(S).

LUMINA

SWITCH AND PEC FOR DAYTIME / NIGHTTIME SIMULATION. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AN EMAIL TO TRAFFIC OPERATIONS STAFF TO ADVISE THE AND READY FOR CONNECTION.

19. THE EARTHING ELECTRODE SHALL BE SUPPLIED (TYPICALLY A PLATE) AND INSTALLED PER MMCD DRAWING E7.10:

b. WIRED WITH A BARE #6 EARTHING CONDUCTOR. FROM THE ELECTRICAL PANEL PROTECTED AREA, TO THE PLATE ELECTRODE TAB, WITH AN ILSCO #BGC-1DB

d. ELECTRICAL / CIVIL CONTRACTOR TO PROVIDE PICTURES SHOWING DIMENSIONS PER MMCD DRAWING E7.10. PICTURES TO BE SUPPLIED OR EMAILED TO CITY OF COQUITLAM CIVIL INSPECTORS, AND/OR TO TRAFFIC OPERATIONS SECTION STAFF.

1. LUMINAIRE FIXTURES SHALL BEAR ELECTRICALLY APPROVED LABELS FOR USE IN CANADA. SUCH AS CSA, CEC, ULC, SPECIAL INSPECTIONS, ETC. 2. UNLESS OTHERWISE NOTED, LOCAL/RESIDENTIAL STREETS SHALL BE LED 3000-DEGREES KELVIN, AND 4000-DEGREES KELVIN FOR ALL OTHERS.

4. MULTI-USE PATHWAY (MUP), SIDEWALKS AND WALKWAY LIGHTING SHALL BE LED, 4000-DEGREES KELVIN, PER CITY OF COQUITLAM APPROVED PRODUCTS LIST. LED WATTAGES, POLE STYLE AND HEIGHT, POLE COLOUR AND CONCRETE BASE PER DESIGN PLANS.

5. PHOTO ELECTRIC CONTROL (PEC) SHALL ONLY BE SOLID-STATE DESIGN, WITH ELECTROMECHANICAL CONTACTS.

6. THE PEC SOCKET SHALL BE PROVIDED WITH 7-CONTACTS (FUTURE SMART LIGHTING PROVISIONS). EACH LUMINAIRE SHALL BE PROVIDED WITH A 3-PIN TWIST LOCK

7. PEC CONDUCTORS SHALL BE #12 RW90. COLOURS: RED, BLACK AND WHITE. THE PEC CONDUCTORS SHALL BE A CONTINUOUS RUN, WITHOUT SPLICES, TO THE ELECTRICAL PANEL. BUNDLED SEPARATE FROM THE LUMINAIRE CONDUCTORS.

9. LED LUMINAIRE FIXTURES SHALL BE PROVIDED WITH AN LED WATTAGE/LUMEN LABEL (BLACK LETTERING ON WHITE BACKGROUND). LABEL SHALL BE VISIBLE FROM THE



REETLIGHT POLE (9.0m) (SEE ELEVATION ON SHEET 3)

EETLIGHT POLE (6.6m) (SEE ELEVATION ON SHEET 3)

AVIT STREETLIGHT POLE (9.0m) (SEE ELEVATION ON SHEET 10)

DAVIT STREETLIGHT POLE (6.6m) (SEE ELEVATION ON SHEET 3)

POLE (SEE ELEVATION ON SHEET 3)

TLIGHT POLE

POLE

TLIGHT POLE

JUNCTION BOX (11"x18"x18", OPEN BOTTOM) C/W LID LABELED 'ELEC' AND STAINLESS STEEL PENTA BOLT INCTION BOX (24"x36"x36", OPEN BOTTOM) C/W LID LABELED 'COMM' AND STAINLESS STEEL PENTA BOLT

BOX

HASE CONDUCTOR

PHASE CONDUCTOR

W90 ST. LTG. & 1 No.8 RW90 BOND IN 53mm RPVC

W90 ST. LTG. & 1 No.8 RW90 BOND IN 53mm RPVC

90 ST. LTG. & 1 No.8 RW90 BOND IN 35mm RPVC

90 ST. LTG. & 1 No.8 RW90 BOND IN 35mm RPVC

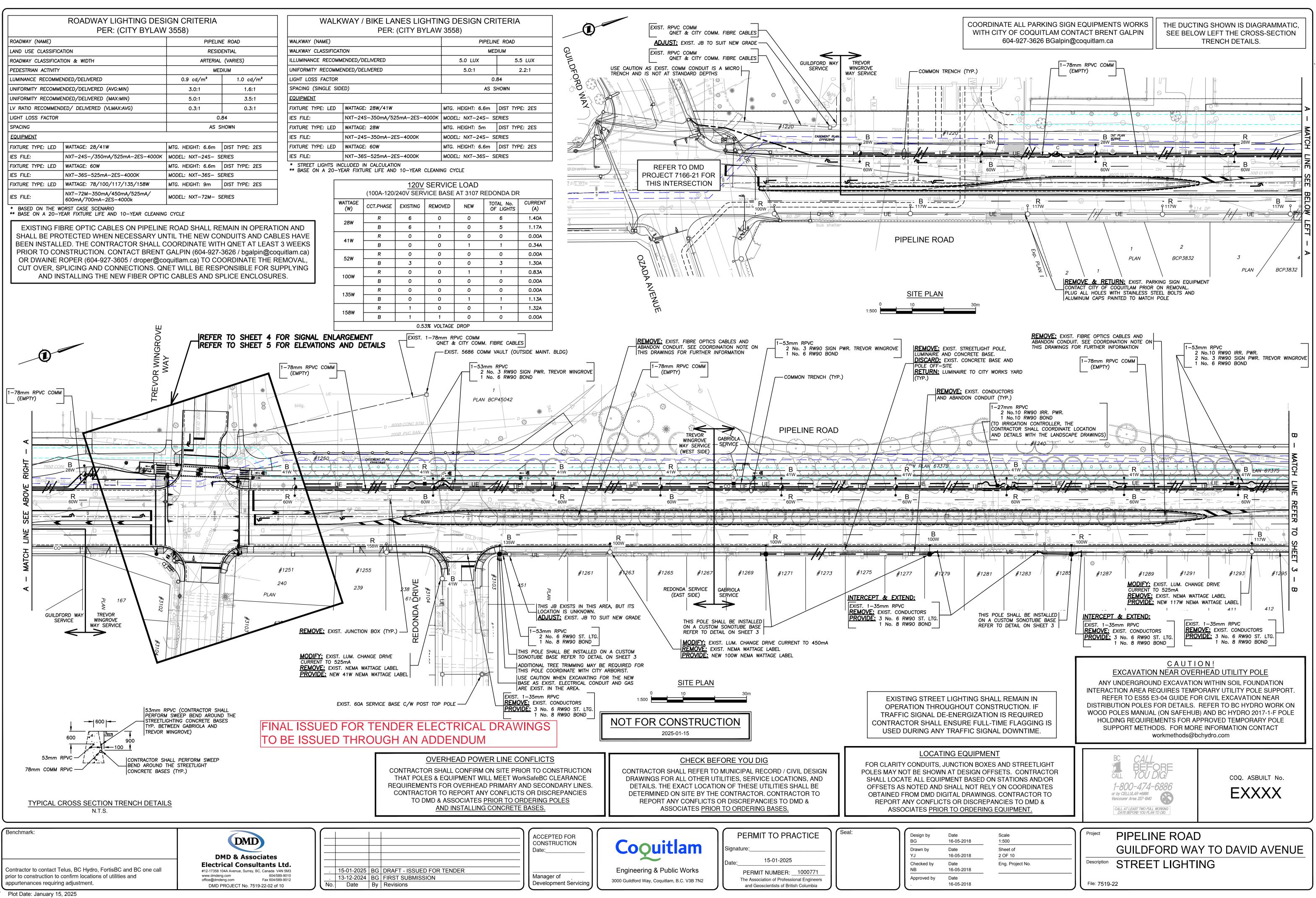
UB OUT FOR FUTURE EXTENSION (CAP & MARK LOCATION)

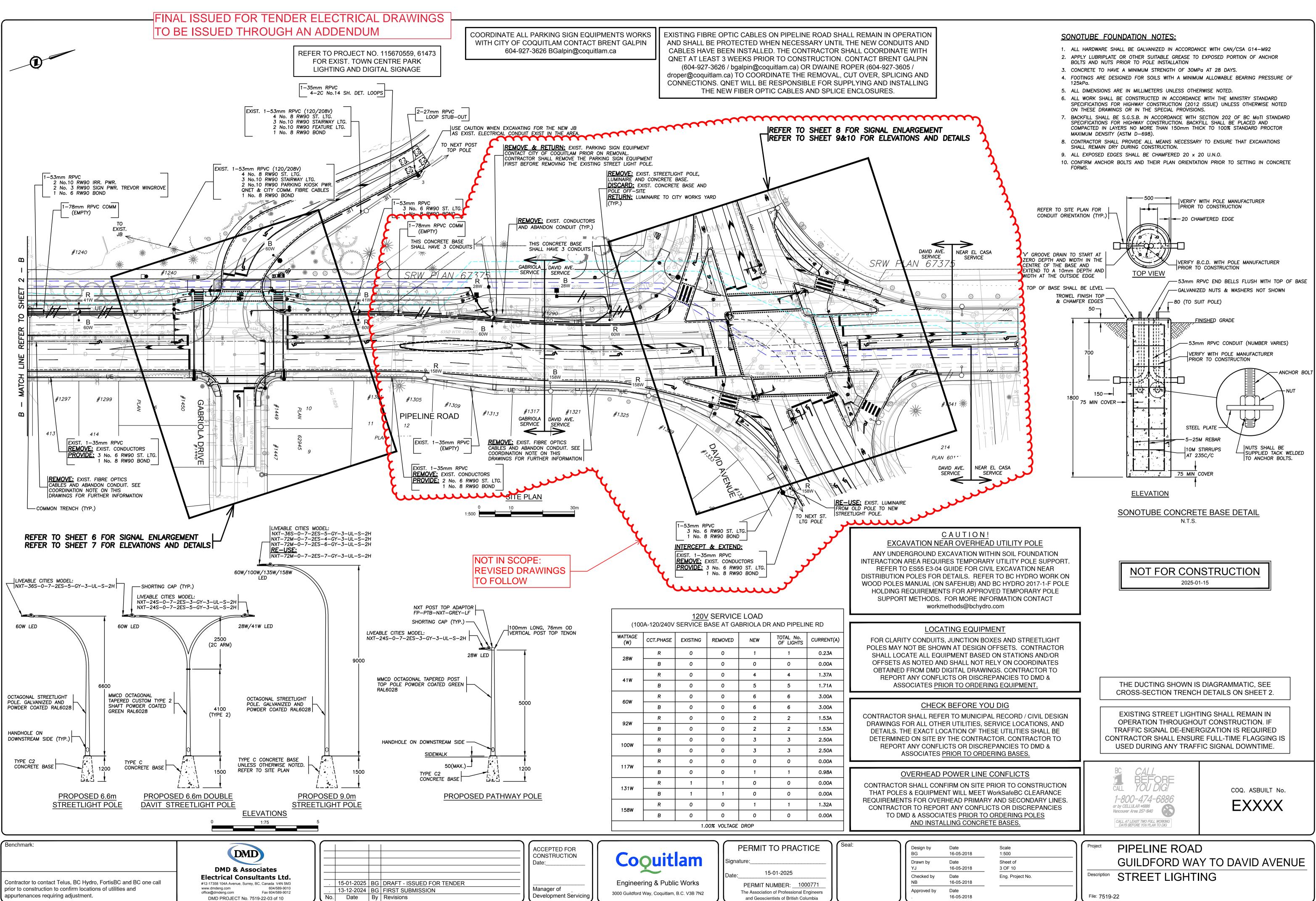
PVC CONDUIT ONLY

CATIONS CONDUIT (CONDUIT SIZE AND NUMBER NOTED ON DRAWINGS)

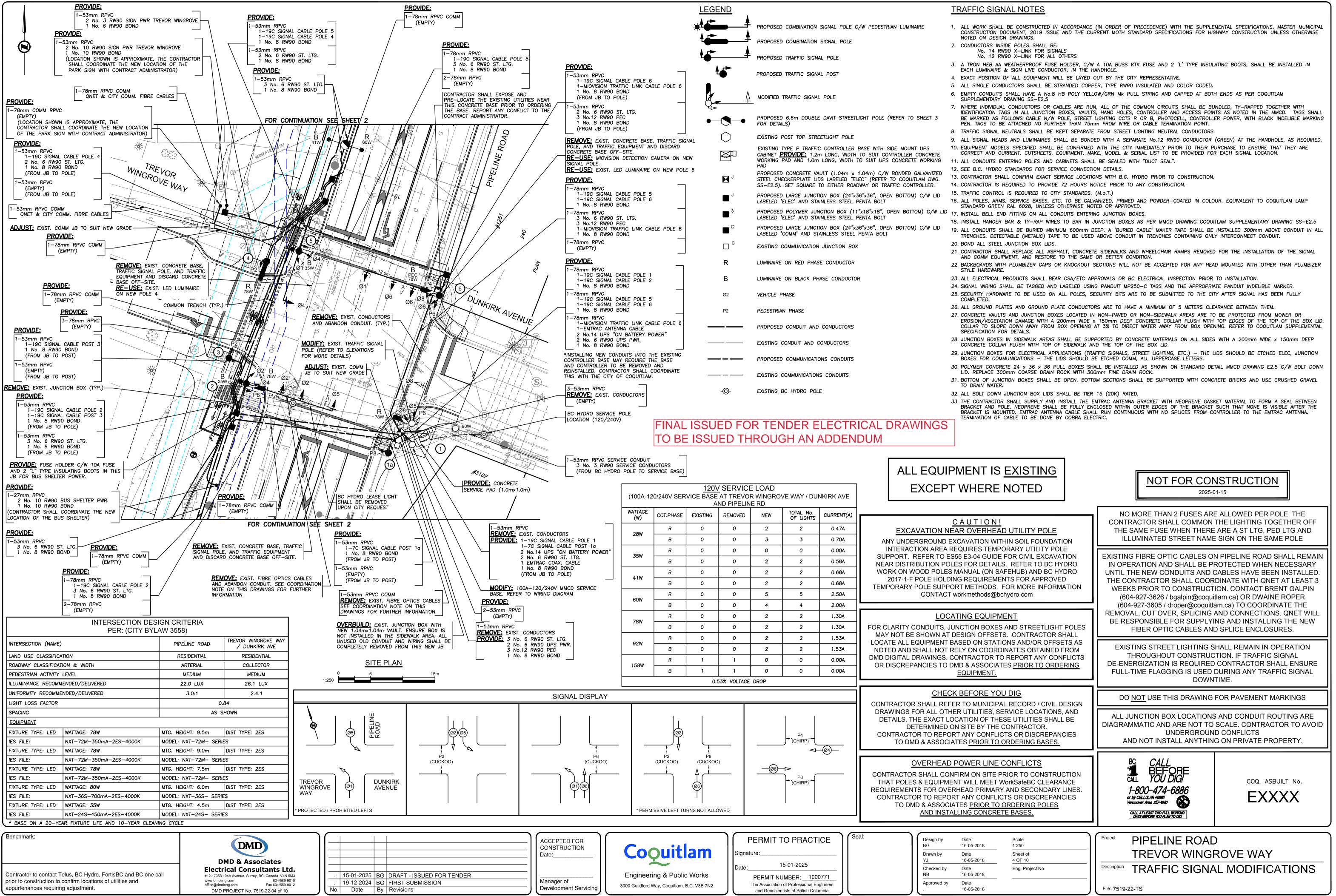
.8m SQUARE DETECTOR LOOP

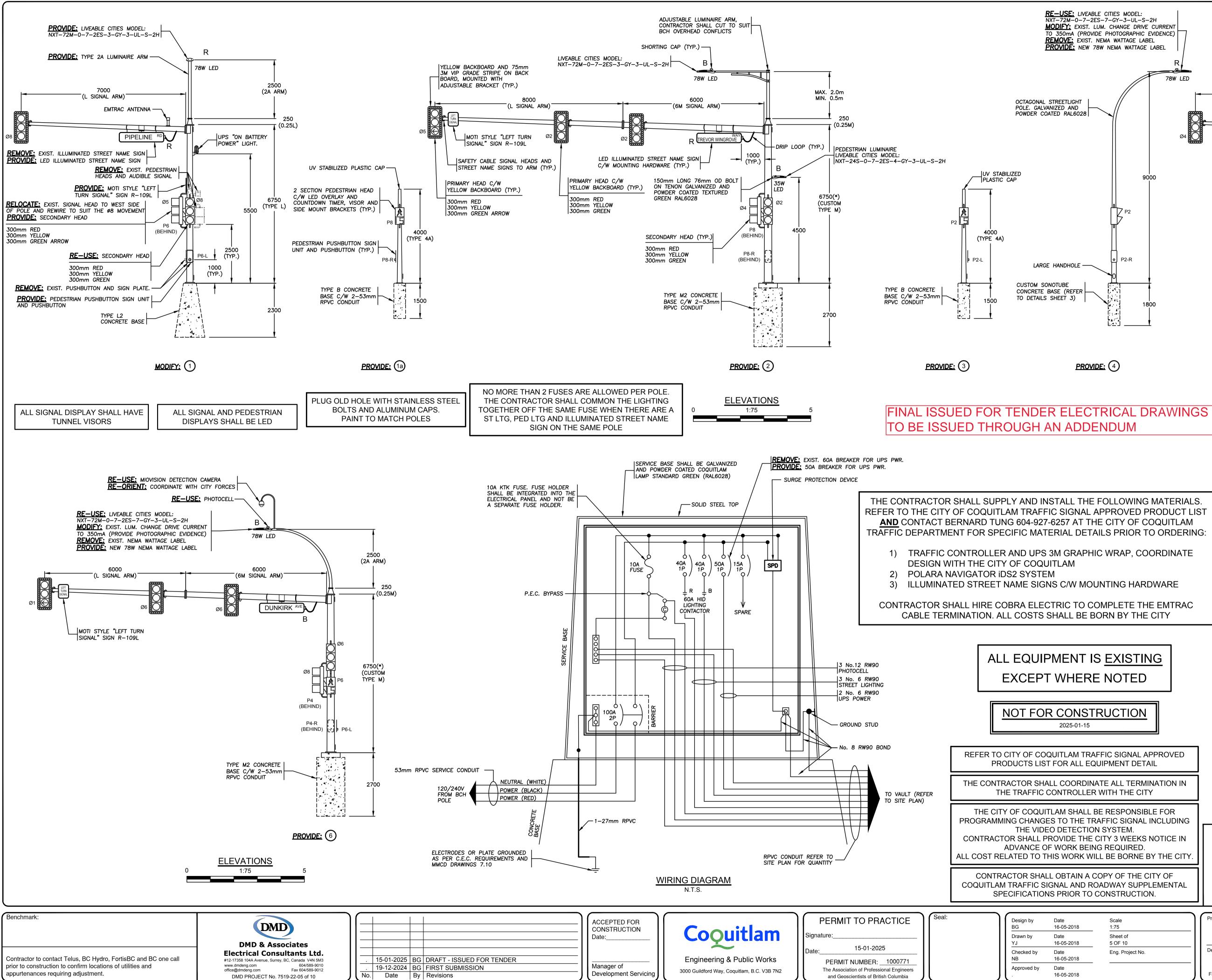
POLE C/W LEASE LIGHT





Plot Date: January 15, 2025





Plot Date: January 15, 2025

PPROVED PRODUCT LIST CITY OF COQUITLAM #4 YELLOW GREEN BROWN GREEN SPRIOR TO ORDERING: #5 PED YELLOW GREEN ARROW RED BLUE WRAP, COORDINATE #6 RED GREEN RED YELLOW GREEN RED BLUE ITING HARDWARE #6 RED YELLOW GREEN RED BROWN (RED BLUE MPLETE THE EMTRAC RN BY THE CITY #8 RED YELLOW WALK PROWN (RED BLUE P2 DON'T WALK WALK BROWN (READ BLUE P3 DON'T WALK WALK BROWN (READ BLUE P4 DON'T WALK WALK BROWN (READ BLUE P5 DON'T WALK WALK BROWN (READ BLUE P6 DON'T WALK WALK BROWN (READ BLUE P6 DON'T WALK WALK BROWN (READ BLUE P6 DON'T WALK WHE	т.т.) т.т.)			
PROVED PRODUCT LIST CITY OF COQUITLAM S PRIOR TO ORDERING: #4 YELLOW GREEN ARROW BROWN BLUE WRAP, COORDINATE #5 RED GREEN ARROW RED BLUE WRAP, COORDINATE #6 RED GREEN ARROW RED BLUE JTING HARDWARE #6 RED GREEN RED BLUE MPLETE THE EMTRAC RN BY THE CITY #8 RED GREEN RED BLUE P2 DON'T WALK PUSHBUTTON PURPLE/PURPLE (M WLKAK PUSHBUTTON PURPLE/PURPLE (M WLKAK PUSHBUTTON P4 DON'T WALK PUSHBUTTON BROWN (GRADGE BLUE P4 DON'T WALK PUSHBUTTON BROWN (GRADGE BLUE P6 DON'T WALK PUSHBUTTON BROWN (GRADGE PURPLE/PURPLE (M WLKAK PUSHBUTTON P6 DON'T WALK PUSHBUTTON BROWN (GRADGE PURPLE/PURPLE (GR BLUE P7 SIGNAL APPROVED PMENT DETAIL NEUTRAL WHITE GROUND/GOND PHOTOCELL POWER POWER BLACK RED BLACK RED PHOTOCELL POWER POWER BLACK RED BLACK RED PY OF THE CITY OF DOWAY SUPPLEMENTAL WHITE FOLLIANGE FOR WLKAK COQ. ASBUILT N EXXXXX				
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P6 WALK BLUE PURPLE/PURPLE (I PURPLE/PURPLE (I PB DON'T WALK PURPLE/PURPLE (IO PB DON'T WALK PURPLE/PURPLE (IO PURPLE/PURPLE (IO PB DON'T WALK PURPLE/PURPLE (IO PB DON'T WALK PURPLE/PURPLE (IO PID ITEM SIGNAL SECTION CONDUCTOR SIGNAL NEUTRAL NEUTRAL WHITE CONTROLLER/UPS POWER BLACK STREET LIGHTING POWER BLACK STREET LIGHTING POWER BLACK RED POWER PANEL SUPPLY POWER PHOTOCELL POWER PHOTOCELL SWITCH LEG RED NOTE: NOTE: T.T. DENOTES TAPE TRACER. NOTE: T.T. DENOTES TAPE TRACER. CALL PUCUDEF PROUTED COQ. ASBUILT N PURCAL ROOM POUDEF PROUTED	ROWN T.T.)			
P8 Dominal Number Dominal Number PUCTION PURPLE/PURPLE (OR ITEM SIGNAL SECTION CONDUCTOR CO SIGNAL NEUTRAL NEUTRAL WHITE CONTROLLER/UPS POWER BLACK STREET LIGHTING POWER BLACK PANEL SUPPLY POWER BLACK PHOTOCELL SWITCH LEG RED NEUTRAL NEUTRAL WHITE GROUND/BOND GROUND/BOND GREEN NOTE: T.T. DENOTES TAPE TRACER. NOTE: TY 3 WEEKS NOTICE IN PHOTOCELN PHOTOCELN PY OF THE CITY OF POULANDA COQ. ASBUILT N PY OF THE CITY OF POWAY SUPPLEMENTAL WHITE				
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TE ALL TERMINATION IN SWITCH LEG RED VITH THE CITY NEUTRAL WHITE RESPONSIBLE FOR GROUND/BOND GROUND/BOND GREEN FIC SIGNAL INCLUDING SYSTEM. TY 3 WEEKS NOTICE IN REQUIRED. .BE BORNE BY THE CITY. NOTE: T.T. DENOTES TAPE TRACER. PY OF THE CITY OF .DWAY SUPPLEMENTAL OF by CELLULAR #6886 Vancouver Area 257-1940 COQ. ASBUILT N				
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Scale 1:75 Project PIPELINE ROAD				
Sheet of 5 OF 10 Eng. Project No. TREVOR WINGROVE WAY Description TRAFEIC SIGNAL MODIFICATION				
Eng. Project No. TRAFFIC SIGNAL MODIFICATIO	JNZ			
File: 7519-22-TS				

NEW POLES DENOTED WITH (*) ARE TO BE CUSTOM. POLE LOADING ANALYSIS MUST BE COMPLETED BY THE POLE MODIFY: EXIST. LUM. CHANGE DRIVE CURRENT TO 350mA (PROVIDE PHOTOGRAPHIC EVIDENCE) MANUFACTURER. ENSURE POLE(S) ARE CHECKED FOR **<u>REMOVE:</u>** EXIST. NEMA WATTAGE LABEL **<u>PROVIDE:</u>** NEW 78W NEMA WATTAGE LABEL FATIGUE AND FATIGUE LOADING IN COMPLIANCE WITH CAN/CSA-S6-19 AND AASHTO 2013 SECTION 11 STANDARDS. CONTRACTOR IS REQUIRED TO PROVIDE SIGNED AND SEALED SHOP DRAWINGS FOR ALL NEW POLE(S). 78W LED 8000 (L SIGNAL ARM) TYPE 3 FLANGE COVER PLATE PIPELINE F PEDESTRIAN LUMINAIRE LIVEABLE CITIES MODEL: NXT-24S-0-7-2ES-4-GY-3-UL-S-2H 35W LED MOUNTED ON A 150mm LONG 76mm OD BOLT (BEHIND) ON TENON GALVANIZED AND POWDER COATED 9000 TEXTURED GREEN RAL6028 MOTI STYLE "LEFT TURN 6750(*) SIGNAL" SIGN R-109L (CUSTOM TYPE L) SECONDARY HEAD 300mm RED 300mm YELLOW 4500 300mm GREEN ARROW P2-R P4-L TYPE L2 CONCRETE BASE C/W 2–53mm RPVC CONDUIT 1800 2300

ITEM

<u>PROVIDE:</u> (5)

CONDUCTOR COLOUR RED (BLUE T.T.)

YELLOW (RED T.T.)

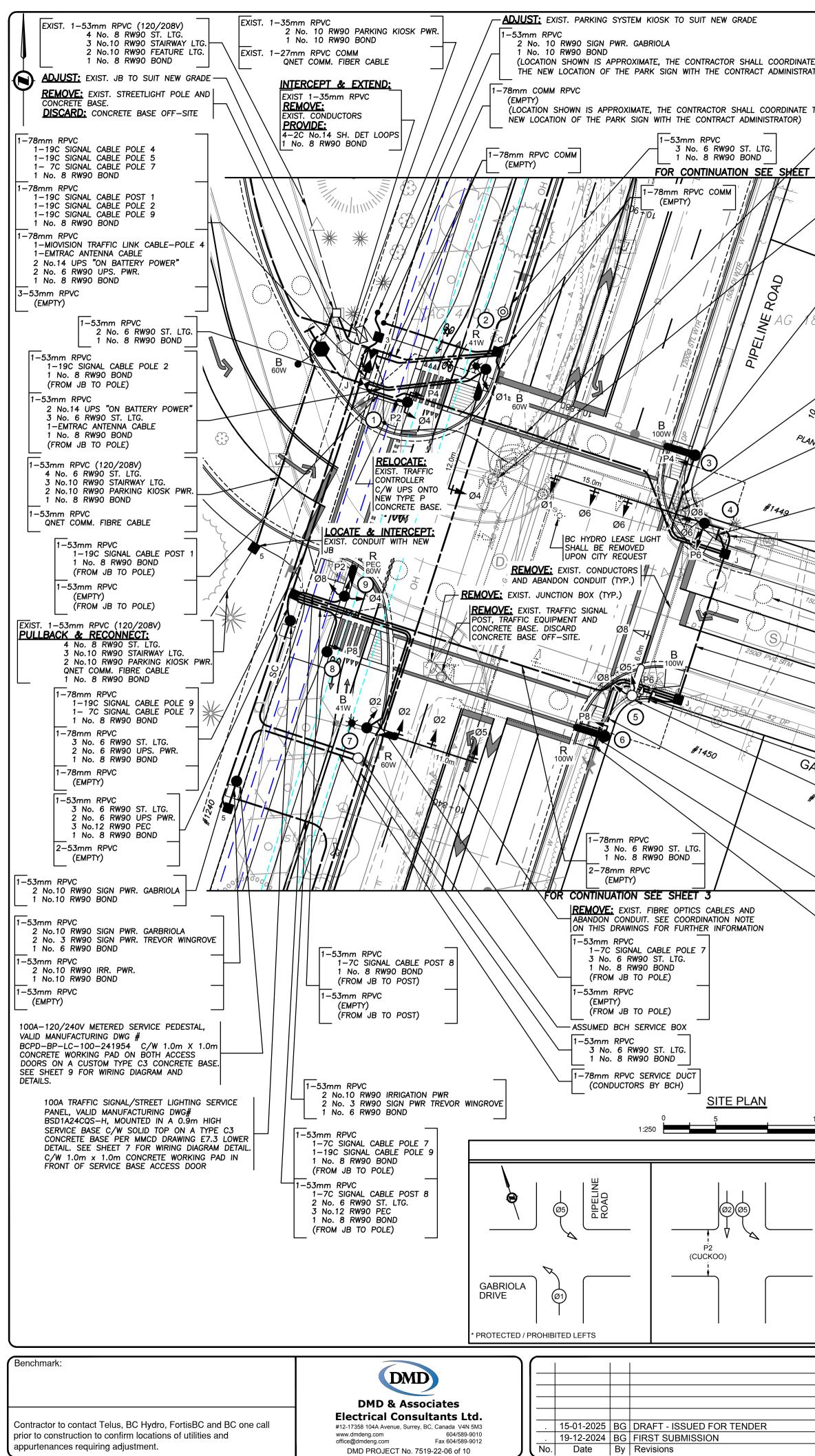
CONDUCTOR COLOUR CODE

(FROM HANDHOLE TO SIGNAL)

SIGNAL SECTION

RED

YELLOW



Plot Date: January 15, 2025

FINAL ISSUED FOR TENDER ELECTRICAL DRAWINGS TO BE ISSUED THROUGH AN ADDENDUM

1-78mm RPVC 1-19C SIGNAL CABLE POLE 4	LEGEND			TRAFFIC SIGNAL NOTES
1-19C SIGNAL CABLE POLE 5 1 No. 8 RW90 BOND 1-78mm RPVC		PROPOSED COMBINATION SIGNAL POLE C	:/W PEDESTRIAN LUMINAIRE	1. ALL WORK SHALL BE CONSTRUCTED IN ACCORDAN CONSTRUCTION DOCUMENT, 2019 ISSUE AND THE
OR) 3 No. 6 RW90 ST. LTG. 1-MIOVISION TRAFFIC LINK CABLE - POLE 1 No. 8 RW90 BOND	₄	PROPOSED TRAFFIC SIGNAL POLE		NOTED ON DESIGN DRAWINGS. 2. CONDUCTORS INSIDE POLES SHALL BE: No. 14 RW90 X-LINK FOR SIGNALS
HE 1-78mm RPVC (EMPTY)		PROPOSED COMBINATION TRAFFIC/STREET	T LIGHT POLE	No. 12 RW90 X-LINK FOR ALL OTHERS 3. A TRON HEB AA WEATHERPROOF FUSE HOLDER, C
		PROPOSED TRAFFIC SIGNAL POST		EACH LUMINAIRE & SIGN LIVE CONDUCTOR, IN THE 4. EXACT POSITION OF ALL EQUIPMENT WILL BE LAYE
POLE, AND TRAFFIC EQUIPMENT AND DISCARD CONCI BASE OFF-SITE. RE-USE: SIGNAL EQUIPMENT FROM OLD TO NEW I	<i>↓ ↓</i>	MODIFIED COMBINATION TRAFFIC SIGNAL	POLE	 ALL SINGLE CONDUCTORS SHALL BE STRANDED CO EMPTY CONDUITS SHALL HAVE A No.8 HB POLY YA SUPPLEMENTARY DRAWING SS-E2.5
(REFER TO ELEVATIONS FOR MORE DETAILS) RETURN: LUMINAIRE TO CITY WORKS YARD.		PROPOSED DAVIT STREETLIGHT POLE (RE	FER TO SHEET 3 FOR DETAILS)	7. WHERE INDIVIDUAL CONDUCTORS OR CABLES ARE IDENTIFICATION TAGS IN ALL JUNCTION BOXES, VAL
CONTRACTOR SHALL EXPOSE AND PRE-LOCATE THE	, XÔ	EXISTING POST TOP STREETLIGHT POLE	C/W WITH SERVICE BASE	BE MARKED AS FOLLOWS CABLE N/W POLE, STRE PEN. TAGS TO BE ATTACHED NO FURTHER THAN 7 8. TRAFFIC SIGNAL NEUTRALS SHALL BE KEPT SEPAR.
TO ORDERING THE BASE. REPORT ANY CONFLICT TO CONTRACT ADMINISTRATOR.	THE	RELOCATED: TYPE P TRAFFIC CONTROL CONCRETE BASE C/W 1.2m LONG, WIDTI		9. ALL SIGNAL HEADS AND LUMINAIRES SHALL BE BO 10. EQUIPMENT MODELS SPECIFIED SHALL BE CONFIRM
1-53mm RPVC 1-7C SIGNAL CABLE POLE 3		WORKING PAD AND 1.0m LONG, WITH TO WORKING PAD		CORRECT AND CURRENT. CUTSHEETS, EQUIPMENT, 11. ALL CONDUITS ENTERING POLES AND CABINETS SH
2 No. 6 RW90 ST. LTG. 1 No. 8 RW90 BOND (FROM JB TO POLE)		PROPOSED CONCRETE VAULT (1.04m × STEEL CHECKERPLATE LIDS LABELED "EL SS–E2.5). SET SQUARE TO EITHER ROAD	EC" (REFER TO COQUITLAM DWG.	12. SEE B.C. HYDRO STANDARDS FOR SERVICE CONNE 13. CONTRACTOR SHALL CONFIRM EXACT SERVICE LOCA
326 1-53mm RPVC (EMPTY)	- -	PROPOSED LARGE JUNCTION BOX (24"x3 LABELED 'ELEC' AND STAINLESS STEEL F	36"x36", OPEN BOTTOM) C/W LID	14. CONTRACTOR IS REQUIRED TO PROVIDE 72 HOURS 15. TRAFFIC CONTROL IS REQUIRED TO CITY STANDARE
(FROM JB TO POLE) (FROM JB TO POLE) (REMOVE: EXIST. CONCRETE BAS		PROPOSED POLYMER JUNCTION BOX (11 LID LABELED 'ELEC' AND STAINLESS STE	"x18"x18", OPEN BOTTOM) C/W	16. ALL POLES, ARMS, SERVICE BASES, ETC. TO BE G STANDARD GREEN RAL 6028, UNLESS OTHERWISE
TRAFFIC SIGNAL POLE, AND TRAF EQUIPMENT AND DISCARD CONCRI BASE OFF-SITE.	-IC 5	PROPOSED LARGE JUNCTION BOX (17"x3 LABELED 'ELEC' AND STAINLESS STEEL F	30"x24", OPEN BOTTOM) C/W LID	17. INSTALL BELL END FITTING ON ALL CONDUITS ENTI 18. INSTALL HANGER BAR & TY-RAP WIRES TO BAR I
RE-USE: EXIST. ILLUMINATED STREET NAME SIGN TO NEW POLI		PROPOSED LARGE JUNCTION BOX (24"×3 LABELED 'COMM' AND STAINLESS STEEL		19. ALL CONDUITS SHALL BE BURIED MINIMUM 600mm TRENCHES. DETECTABLE (METALIC) TAPE TO BE US
RETURN: OLD TRAFFIC EQUIPME AND LUMINAIRE TO CITY WORKS		EXISTING JUNCTION BOX		20. BOND ALL STEEL JUNCTION BOX LIDS.21. CONTRACTOR SHALL REPLACE ALL ASPHALT, CONCLAND COMM EQUIPMENT, AND RESTORE TO THE SA
INTERCEPT & EXTEND: EXIST. CONDUIT TO JB 0 1-35mm RPVC	— R	LUMINAIRE ON RED PHASE CONDUCTOR		22. BACKBOARDS WITH PLUMBIZER GAPS OR KNOCKOU STYLE HARDWARE.
REMOVE: EXIST. CONDUCTORS PROVIDE: 2 No. 6 RW90 ST. L		LUMINAIRE ON BLACK PHASE CONDUCTO	R	23. ALL ELECTRICAL PRODUCTS SHALL BEAR CSA/ETC 24. SIGNAL WIRING SHALL BE TAGGED AND LABELED U
1 No. 8 RW90 BOND 1-53mm RPVC	Ø2	VEHICLE PHASE		25. SECURITY HARDWARE TO BE USED ON ALL POLES, COMPLETED.
1-7C SIGNAL CABLE POLE 3 1-19C SIGNAL CABLE POLE 4 1 No. 8 RW90 BOND	P2	PEDESTRIAN PHASE		 26. ALL GROUND PLATES AND GROUND PLATE CONDUCTION 27. CONCRETE VAULTS AND JUNCTION BOXES LOCATED EROSION/VEGETATION DAMAGE WITH A 200mm WID
(FROM JB TO POLE) #144> 1-53mm RPVC		PROPOSED CONDUIT AND CONDUCTORS		COLLAR TO SLOPE DOWN AWAY FROM BOX OPENIN SPECIFICATION FOR DETAILS.
2 No. 6 RW90 ST. LTG. 1-MIOVISION TRAFFIC LINK CABLE - POLE 1 No. 8 RW90 BOND	4	EXISTING CONDUIT AND CONDUCTORS		 28. JUNCTION BOXES IN SIDEWALK AREAS SHALL BE S CONCRETE COLLAR FLUSH WITH TOP OF SIDEWALK 29. JUNCTION BOXES FOR ELECTRICAL APPLICATIONS (
(FROM JB TO POLE)		PROPOSED 3 No. 3 (Cu) RW90 SERVICE SERVICE CONDUIT	E CONDUCTORS IN 53mm RPVC	BOXES FOR COMMUNICATIONS – THE LIDS SHOULD 30. POLYMER CONCRETE 24 × 36 × 36 PULL BOXES
	—	PROPOSED 53mm RPVC CONDUIT STUB- (CAP AND MARK LOCATION)	-OUT FOR FUTURE EXTENSION	LID. REPLACE 300mm COARSE DRAIN ROCK WITH 31. BOTTOM OF JUNCTION BOXES SHALL BE OPEN. BO
2000 PVC SAN 60A-120/240V		PROPOSED RPVC COMMUNICATIONS CONE	DUITS	TO DRAIN WATER. 32. ALL BOLT DOWN JUNCTION BOX LIDS SHALL BE TH
	-@-	EXISTING BC HYDRO POLE		33. THE CONTRACTOR SHALL SUPPLY AND INSTALL THE BRACKET AND POLE. NEOPRENE SHALL BE FULLY BRACKET IS MOUNTED. EMTRAC ANTENNA CABLE S
ABANDON	EXIST. DETECTOR LOOPS	(TYP.)		TERMINATION OF CABLE TO BE DONE BY COBRA E 34. THE CONTRACTOR SHALL PROVIDE THE METERED S
1-78mm I		EXISTING 120	<u>DV</u> SERVICE LOAD	
1-19C	SIGNAL CABLE POLE 5 8 RW90 BOND		ASE AT 1447 GABRIOLA DRIVE	
BRIOLA DRIVE		WATTAGE (W) 158W	REMOVED 5	_
	T & EXTEND: '8mm RPVC	TABLE REPRESENT THE STREETL	_	
REMOVE:	EXIST. CONDUCTORS			
	1-7C SIGNAL CABLE POLE 2 No. 6 RW90 ST. LTG. 1 No. 8 RW90 BOND	6		<u>CAUTION!</u>
	(FROM JB TO POLE) EXIST. TRAFFIC SIGNAL POLE			NEAR OVERHEAD UTILITY POLE EXCAVATION WITHIN SOIL FOUNDATION
	FOR MORE DETAILS)			A REQUIRES TEMPORARY UTILITY POLE ES55 E3-04 GUIDE FOR CIVIL EXCAVATION
2 No.	SIGNAL CABLE POLE 6 6 RW90 ST. LTG.		WORK ON WOOD POLE	OLES FOR DETAILS. REFER TO BC HYDRO ES MANUAL (ON SAFEHUB) AND BC HYDRO
(FROM	8 RW90 BOND JB TO POLE)		TEMPORARY POLE SUP	DING REQUIREMENTS FOR APPROVED PORT METHODS. FOR MORE INFORMATION
1–53mm l (EMPT) (FROM			CONTAC	CT workmethods@bchydro.com
REMOVE:	EXIST. STREET LIGHTING PC	DLE AND		CATING EQUIPMENT
POLE OFF-	BASE. DISCARD CONCRETE -SITE EXIST. LED LUMINAIRE ON		MAY NOT BE SHOWN A	JUNCTION BOXES AND STREETLIGHT POLES T DESIGN OFFSETS. CONTRACTOR SHALL
	T & EXTEND: DUIT TO JB		NOTED AND SHALL NO	T BASED ON STATIONS AND/OR OFFSETS AS T RELY ON COORDINATES OBTAINED FROM
	EXIST. CONDUCTORS			. CONTRACTOR TO REPORT ANY CONFLICTS DMD & ASSOCIATES <u>PRIOR TO ORDERING</u>
5m	3 No. 6 RW90 ST. LTG. 1 No. 8 RW90 BOND			EQUIPMENT.
				ECK BEFORE YOU DIG EFER TO MUNICIPAL RECORD / CIVIL DESIGN
SIGNAL DISPLAY			DRAWINGS FOR ALL O	THER UTILITIES, SERVICE LOCATIONS, AND LOCATION OF THESE UTILITIES SHALL BE
			DETERMINE	O ON SITE BY THE CONTRACTOR.
		₽4 (CHIRP) ►		CIATES PRIOR TO ORDERING BASES.
\downarrow			OVERHEA	D POWER LINE CONFLICTS
		<u> </u>		ONFIRM ON SITE PRIOR TO CONSTRUCTION MENT WILL MEET WorkSafeBC CLEARANCE
Ø1@6	Ø	CHIRP)	REQUIREMENTS FOR O	/ERHEAD PRIMARY AND SECONDARY LINES. ORT ANY CONFLICTS OR DISCREPANCIES
				CIATES <u>PRIOR TO ORDERING POLES</u> TALLING CONCRETE BASES.
* PERMISSIVE LEFT TUP	INS NOT ALLOWED			
		PERMIT TO PRACTICE	eal: BG	Date Scale 16-05-2018 1:250
CONSTRUCTION Date:		ure: 15-01-2025	Drawn by YJ	Date Sheet of 16-05-2018 6 OF 10
Engineering & Pub	lic Works	PERMIT NUMBER:	Checked by NB	16-05-2018
Manager of 3000 Guildford Way, Coquitlan	n, B.C. V3B 7N2	The Association of Professional Engineers	Approved b	y Date 16-05-2018

INAL NOTES

LL BE CONSTRUCTED IN ACCORDANCE (IN ORDER OF PRECEDENCE) WITH THE SUPPLEMENTAL SPECIFICATIONS, MASTER MUNICIPAL DOCUMENT, 2019 ISSUE AND THE CURRENT MOTH STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION UNLESS OTHERWISE IGN DRAWINGS

A WEATHERPROOF FUSE HOLDER, C/W A 10A BUSS KTK FUSE AND 2 'L' TYPE INSULATING BOOTS, SHALL BE INSTALLED IN & SIGN LIVE CONDUCTOR, IN THE HANDHOLE.

OF ALL EQUIPMENT WILL BE LAYED OUT BY THE CITY REPRESENTATIVE. NDUCTORS SHALL BE STRANDED COPPER, TYPE RW90 INSULATED AND COLOR CODED.

S SHALL HAVE A No.8 HB POLY YELLOW/GRN MK PULL STRING AND CAPPED AT BOTH ENDS AS PER COQUITLAM

DRAWING SS-E2.5 AL CONDUCTORS OR CABLES ARE RUN. ALL OF THE COMMON CIRCUITS SHALL BE BUNDLED. TY-RAPPED TOGETHER WITH TAGS IN ALL JUNCTION BOXES, VAULTS, HAND HOLES, CONTROLLER AND ACCESS POINTS AS NOTED IN THE MMCD. TAGS SHALL FOLLOWS CABLE N/W POLE, STREET LIGHTING CCTS R OR B, PHOTOCELL, CONTROLLER POWER, WITH BLACK INDELIBLE MARKING BE ATTACHED NO FURTHER THAN 75mm FROM WIRE OR CABLE TERMINATION POINT. NEUTRALS SHALL BE KEPT SEPARATE FROM STREET LIGHTING NEUTRAL CONDUCTORS.

ADS AND LUMINAIRES SHALL BE BONDED WITH A SEPARATE No.12 RW90 CONDUCTOR (GREEN) AT THE HANDHOLE, AS REQUIRED. DELS SPECIFIED SHALL BE CONFIRMED WITH THE CITY IMMEDIATELY PRIOR TO THEIR PURCHASE TO ENSURE THAT THEY ARE CURRENT. CUTSHEETS, EQUIPMENT, MAKE, MODEL & SERIAL LIST TO BE PROVIDED FOR EACH SIGNAL LOCATION.

ENTERING POLES AND CABINETS SHALL BE SEALED WITH "DUCT SEAL". O STANDARDS FOR SERVICE CONNECTION DETAILS.

HALL CONFIRM EXACT SERVICE LOCATIONS WITH B.C. HYDRO PRIOR TO CONSTRUCTION.

REQUIRED TO PROVIDE 72 HOURS NOTICE PRIOR TO ANY CONSTRUCTION.

'OL IS REQUIRED TO CITY STANDARDS. (M.o.T.)

MS. SERVICE BASES. ETC. TO BE GALVANIZED. PRIMED AND POWDER-COATED IN COLOUR. EQUIVALENT TO COQUITLAM LAMP IN RAL 6028, UNLESS OTHERWISE NOTED OR APPROVED.

ND FITTING ON ALL CONDUITS ENTERING JUNCTION BOXES. R BAR & TY-RAP WIRES TO BAR IN JUNCTION BOXES AS PER MMCD DRAWING COQUITLAM SUPPLEMENTARY DRAWING SS-E2.5 SHALL BE BURIED MINIMUM 600mm DEEP. A 'BURIED CABLE' MAKER TAPE SHALL BE INSTALLED 300mm ABOVE CONDUIT IN ALL ECTABLE (METALIC) TAPE TO BE USED ABOVE CONDUIT IN TRENCHES CONTAINING ONLY INTERCONNECT CONDUIT. L JUNCTION BOX LIDS.

HALL REPLACE ALL ASPHALT, CONCRETE SIDEWALKS AND WHEELCHAIR RAMPS REMOVED FOR THE INSTALLATION OF THE SIGNAL JIPMENT, AND RESTORE TO THE SAME OR BETTER CONDITION. ITH PLUMBIZER GAPS OR KNOCKOUT SECTIONS WILL NOT BE ACCEPTED FOR ANY HEAD MOUNTED WITH OTHER THAN PLUMBIZER

PRODUCTS SHALL BEAR CSA/ETC APPROVALS OR BC ELECTRICAL INSPECTION PRIOR TO INSTALLATION. SHALL BE TAGGED AND LABELED USING PANDUIT MP250-C TAGS AND THE APPROPRIATE PANDUIT INDELIBLE MARKER. WARE TO BE USED ON ALL POLES. SECURITY BITS ARE TO BE SUBMITTED TO THE CITY AFTER SIGNAL HAS BEEN FULLY

LATES AND GROUND PLATE CONDUCTORS ARE TO HAVE A MINIMUM OF 5 METERS CLEARANCE BETWEEN THEM. TS AND JUNCTION BOXES LOCATED IN NON-PAVED OR NON-SIDEWALK AREAS ARE TO BE PROTECTED FROM MOWER OR ATION DAMAGE WITH A 200mm WIDE × 150mm DEEP CONCRETE COLLAR FLUSH WITH TOP EDGES OF THE TOP OF THE BOX LID. PE DOWN AWAY FROM BOX OPENING AT 3% TO DIRECT WATER AWAY FROM BOX OPENING. REFER TO COQUITLAM SUPPLEMENTAL FOR DETAILS.

S IN SIDEWALK AREAS SHALL BE SUPPORTED BY CONCRETE MATERIALS ON ALL SIDES WITH A 200mm WIDE x 150mm DEEP AR FLUSH WITH TOP OF SIDEWALK AND THE TOP OF THE BOX LID. S FOR ELECTRICAL APPLICATIONS (TRAFFIC SIGNALS, STREET LIGHTING, ETC.) – THE LIDS SHOULD BE ETCHED ELEC, JUNCTION

MMUNICATIONS – THE LIDS SHOULD BE ETCHED COMM, ALL UPPERCASE LETTERS. RETE 24 x 36 x 36 PULL BOXES SHALL BE INSTALLED AS SHOWN ON STANDARD DETAIL MMCD DRAWING E2.5 C/W BOLT DOWN 00mm COARSE DRAIN ROCK WITH 300mm FINE DRAIN ROCK.

NCTION BOXES SHALL BE OPEN. BOTTOM SECTIONS SHALL BE SUPPORTED WITH CONCRETE BRICKS AND USE CRUSHED GRAVEL N JUNCTION BOX LIDS SHALL BE TIER 15 (20K) RATED.

OR SHALL SUPPLY AND INSTALL THE EMTRAC ANTENNA BRACKET WITH NEOPRENE GASKET MATERIAL TO FORM A SEAL BETWEEN POLE. NEOPRENE SHALL BE FULLY ENCLOSED WITHIN OUTER EDGES OF THE BRACKET SUCH THAT NONE IS VISIBLE AFTER THE UNTED. EMTRAC ANTENNA CABLE SHALL RUN CONTINUOUS WITH NO SPLICES FROM CONTROLLER TO THE EMTRAC ANTENNA. CABLE TO BE DONE BY COBRA ELECTRIC. OR SHALL PROVIDE THE METERED SERVICE PEDESTAL SHOP DRAWING TO DMD & ASSOCIATES PRIOR TO FINAL ORDER.

> COORDINATE ALL PARKING SIGN EQUIPMENTS WORKS WITH CITY OF COQUITLAM CONTACT BRENT GALPIN 604-927-3626 BGalpin@coquitlam.ca

> > NOT FOR CONSTRUCTION 2025-01-15

NO MORE THAN 2 FUSES ARE ALLOWED PER POLE. THE CONTRACTOR SHALL COMMON THE LIGHTING TOGETHER OFF THE SAME FUSE WHEN THERE ARE A ST LTG, PED LTG AND ILLUMINATED STREET NAME SIGN ON THE SAME POLE EXISTING FIBRE OPTIC CABLES ON PIPELINE ROAD SHALL REMAIN

IN OPERATION AND SHALL BE PROTECTED WHEN NECESSARY UNTIL THE NEW CONDUITS AND CABLES HAVE BEEN INSTALLED. THE CONTRACTOR SHALL COORDINATE WITH QNET AT LEAST 3 WEEKS PRIOR TO CONSTRUCTION. CONTACT BRENT GALPIN (604-927-3626 / bgalpin@coquitlam.ca) OR DWAINE ROPER (604-927-3605 / droper@coquitlam.ca) TO COORDINATE THE REMOVAL, CUT OVER, SPLICING AND CONNECTIONS. QNET WILL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING THE NEW FIBER OPTIC CABLES AND SPLICE ENCLOSURES.

THE CONTRACTOR SHALL PROVIDE PHOTOGRAPHIC EVIDENCE SHOWING THE INSTALLED DEPTH OF THE GROUND PLATE / ROD WITH RESPECT TO FINISHED GRADE AND DISTANCE FROM THE CONCRETE BASE AS DETAILED IN THE MMCD.

EXISTING STREET LIGHTING SHALL REMAIN IN OPERATION THROUGHOUT CONSTRUCTION. IF TRAFFIC SIGNAL DE-ENERGIZATION IS REQUIRED CONTRACTOR SHALL ENSURE FULL-TIME FLAGGING IS USED DURING ANY TRAFFIC SIGNAL DOWNTIME.

TRAFFIC SIGNAL MODIFICATIONS



PIPELINE ROAD

GABRIOLA DRIVE

CALL AT LEAST TWO FULL WORKING DAYS BEFORE YOU PLAN TO DIG

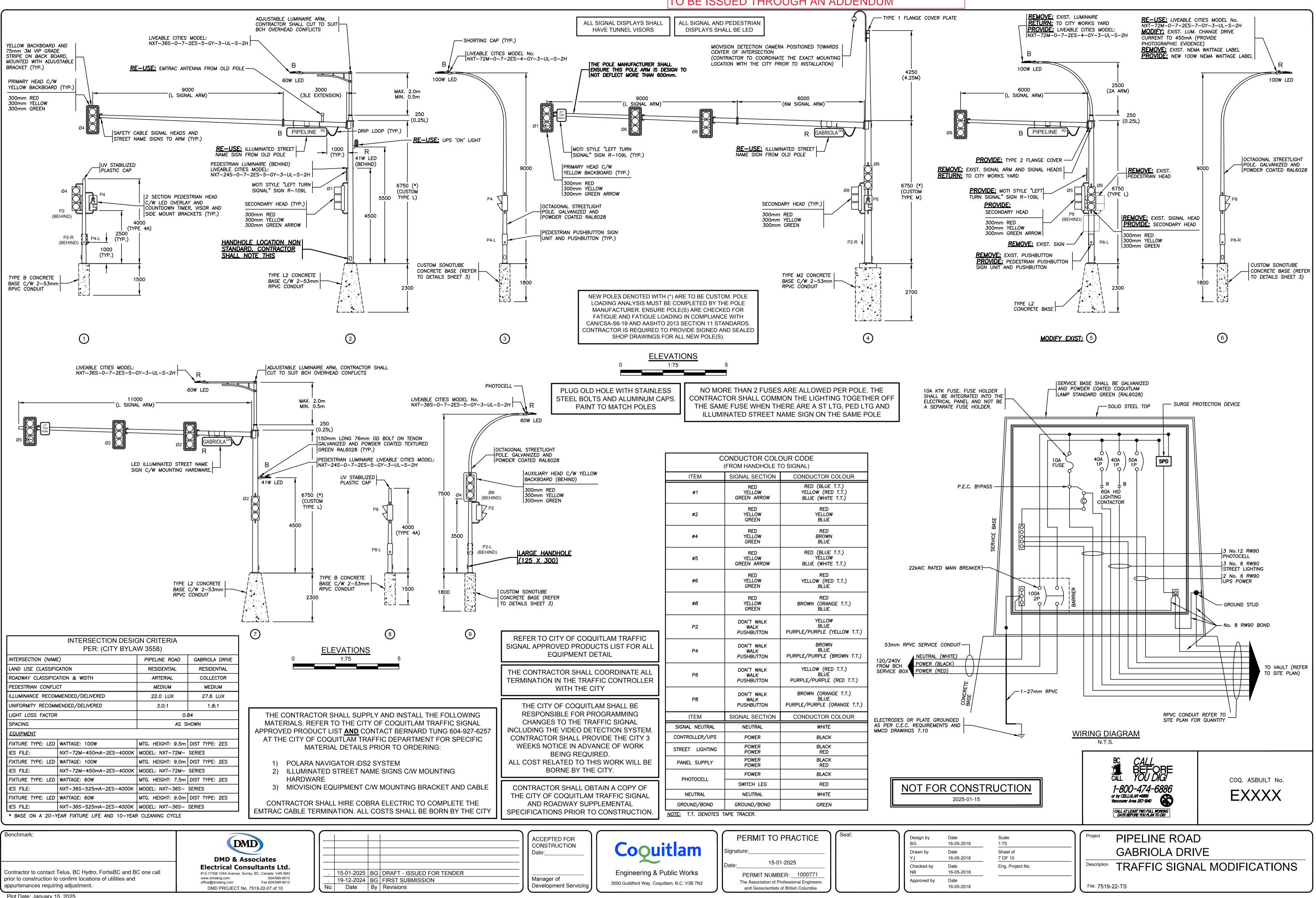
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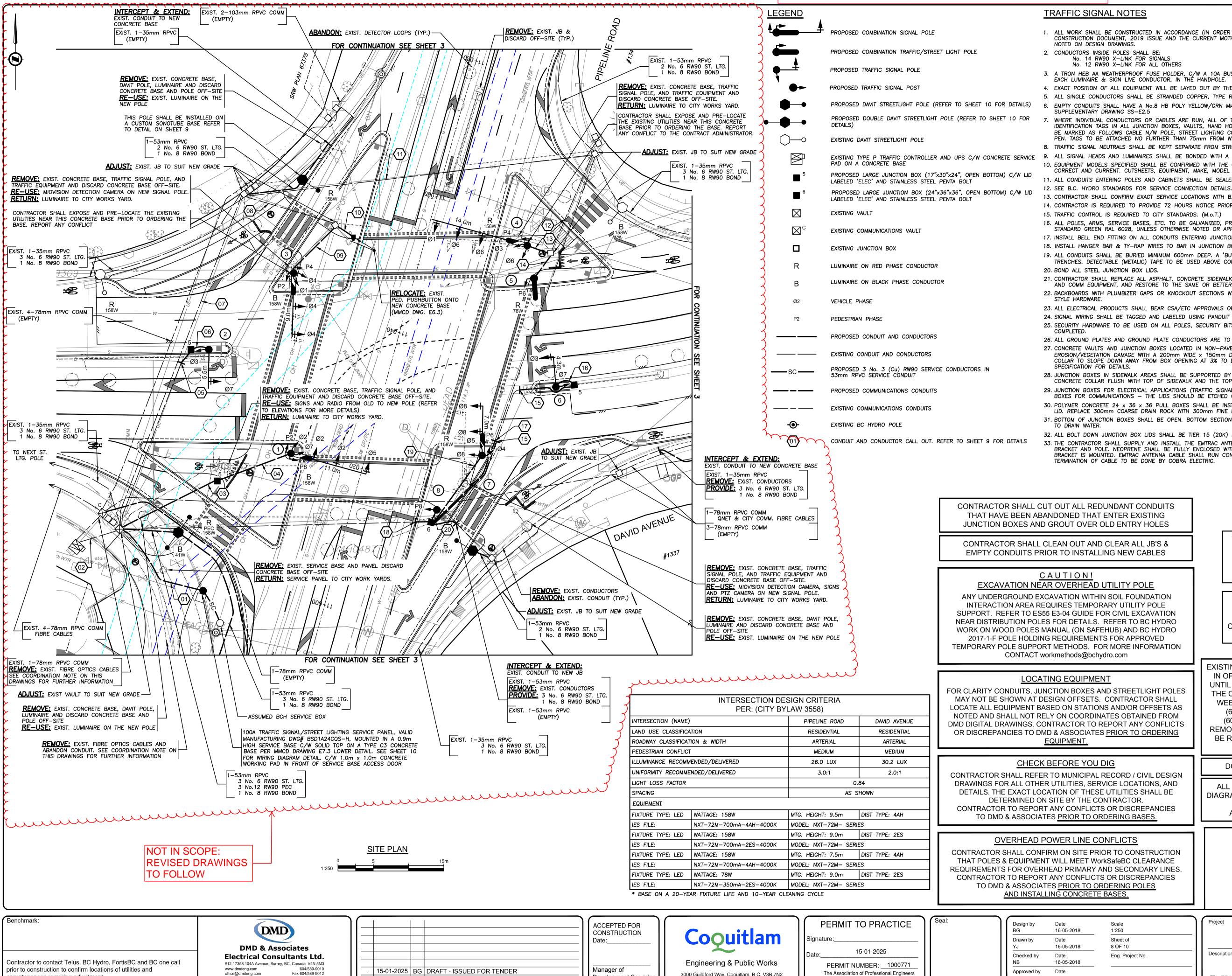


EXXXX





FINAL ISSUED FOR TENDER ELECTRICAL DRAWINGS TO BE ISSUED THROUGH AN ADDENDUM



By Revisions

Date

DMD PROJECT No. 7519-22-08 of 10

appurtenances requiring adjustment.

FINAL ISSUED FOR TENDER ELECTRICAL DRAWINGS TO BE ISSUED THROUGH AN ADDENDUM

3000 Guildford Way, Coquitlam, B.C. V3B 7N2 Development Servicir

The Association of Professional Engineers and Geoscientists of British Columbia

1. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE (IN ORDER OF PRECEDENCE) WITH THE SUPPLEMENTAL SPECIFICATIONS, MASTER MUNICIPAL CONSTRUCTION DOCUMENT, 2019 ISSUE AND THE CURRENT MOTH STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION UNLESS OTHERWISE

No. 14 RW90 X-LINK FOR SIGNALS

3. A TRON HEB AA WEATHERPROOF FUSE HOLDER, C/W A 10A BUSS KTK FUSE AND 2 'L' TYPE INSULATING BOOTS, SHALL BE INSTALLED IN EACH LUMINAIRE & SIGN LIVE CONDUCTOR, IN THE HANDHOLE.

4. EXACT POSITION OF ALL EQUIPMENT WILL BE LAYED OUT BY THE CITY REPRESENTATIVE. 5. ALL SINGLE CONDUCTORS SHALL BE STRANDED COPPER, TYPE RW90 INSULATED AND COLOR CODED.

EMPTY CONDUITS SHALL HAVE A No.8 HB POLY YELLOW/GRN MK PULL STRING AND CAPPED AT BOTH ENDS AS PER COQUITLAM

WHERE INDIVIDUAL CONDUCTORS OR CABLES ARE RUN, ALL OF THE COMMON CIRCUITS SHALL BE BUNDLED, TY-RAPPED TOGETHER WITH IDENTIFICATION TAGS IN ALL JUNCTION BOXES, VAULTS, HAND HOLES, CONTROLLER AND ACCESS POINTS AS NOTED IN THE MMCD. TAGS SHALL BE MARKED AS FOLLOWS CABLE N/W POLE, STREET LIGHTING CCTS R OR B, PHOTOCELL, CONTROLLER POWER, WITH BLACK INDELIBLE MARKING PEN. TAGS TO BE ATTACHED NO FURTHER THAN 75mm FROM WIRE OR CABLE TERMINATION POINT.

8. TRAFFIC SIGNAL NEUTRALS SHALL BE KEPT SEPARATE FROM STREET LIGHTING NEUTRAL CONDUCTORS

EXISTING TYPE P TRAFFIC CONTROLLER AND UPS C/W CONCRETE SERVICE 9. ALL SIGNAL HEADS AND LUMINAIRES SHALL BE BONDED WITH A SEPARATE No.12 RW90 CONDUCTOR (GREEN) AT THE HANDHOLE, AS REQUIRED. 10. EQUIPMENT MODELS SPECIFIED SHALL BE CONFIRMED WITH THE CITY IMMEDIATELY PRIOR TO THEIR PURCHASE TO ENSURE THAT THEY ARE CORRECT AND CURRENT. CUTSHEETS, EQUIPMENT, MAKE, MODEL & SERIAL LIST TO BE PROVIDED FOR EACH SIGNAL LOCATION.

11. ALL CONDUITS ENTERING POLES AND CABINETS SHALL BE SEALED WITH "DUCT SEAL".

13. CONTRACTOR SHALL CONFIRM EXACT SERVICE LOCATIONS WITH B.C. HYDRO PRIOR TO CONSTRUCTION.

14. CONTRACTOR IS REQUIRED TO PROVIDE 72 HOURS NOTICE PRIOR TO ANY CONSTRUCTION.

15. TRAFFIC CONTROL IS REQUIRED TO CITY STANDARDS. (M.o.T.)

16. ALL POLES, ARMS, SERVICE BASES, ETC. TO BE GALVANIZED, PRIMED AND POWDER-COATED IN COLOUR, EQUIVALENT TO COQUITLAM LAMP STANDARD GREEN RAL 6028, UNLESS OTHERWISE NOTED OR APPROVED. 17. INSTALL BELL END FITTING ON ALL CONDUITS ENTERING JUNCTION BOXES.

18. INSTALL HANGER BAR & TY-RAP WIRES TO BAR IN JUNCTION BOXES AS PER MMCD DRAWING COQUITLAM SUPPLEMENTARY DRAWING SS-E2.5 19. ALL CONDUITS SHALL BE BURIED MINIMUM 600mm DEEP. A 'BURIED CABLE' MAKER TAPE SHALL BE INSTALLED 300mm ABOVE CONDUIT IN ALL TRENCHES. DETECTABLE (METALIC) TAPE TO BE USED ABOVE CONDUIT IN TRENCHES CONTAINING ONLY INTERCONNECT CONDUIT.

21. CONTRACTOR SHALL REPLACE ALL ASPHALT, CONCRETE SIDEWALKS AND WHEELCHAIR RAMPS REMOVED FOR THE INSTALLATION OF THE SIGNAL AND COMM EQUIPMENT, AND RESTORE TO THE SAME OR BETTER CONDITION. 22. BACKBOARDS WITH PLUMBIZER GAPS OR KNOCKOUT SECTIONS WILL NOT BE ACCEPTED FOR ANY HEAD MOUNTED WITH OTHER THAN PLUMBIZER

23. ALL ELECTRICAL PRODUCTS SHALL BEAR CSA/ETC APPROVALS OR BC ELECTRICAL INSPECTION PRIOR TO INSTALLATION 24. SIGNAL WIRING SHALL BE TAGGED AND LABELED USING PANDUIT MP250-C TAGS AND THE APPROPRIATE PANDUIT INDELIBLE MARKER. 25. SECURITY HARDWARE TO BE USED ON ALL POLES, SECURITY BITS ARE TO BE SUBMITTED TO THE CITY AFTER SIGNAL HAS BEEN FULLY

26. ALL GROUND PLATES AND GROUND PLATE CONDUCTORS ARE TO HAVE A MINIMUM OF 5 METERS CLEARANCE BETWEEN THEM. 27. CONCRETE VAULTS AND JUNCTION BOXES LOCATED IN NON-PAVED OR NON-SIDEWALK AREAS ARE TO BE PROTECTED FROM MOWER OR EROSION/VEGETATION DAMAGE WITH A 200mm WIDE x 150mm DEEP CONCRETE COLLAR FLUSH WITH TOP EDGES OF THE TOP OF THE BOX LID. COLLAR TO SLOPE DOWN AWAY FROM BOX OPENING AT 3% TO DIRECT WATER AWAY FROM BOX OPENING. REFER TO COQUITLAM SUPPLEMENTAL

28. JUNCTION BOXES IN SIDEWALK AREAS SHALL BE SUPPORTED BY CONCRETE MATERIALS ON ALL SIDES WITH A 200mm WIDE x 150mm DEEP CONCRETE COLLAR FLUSH WITH TOP OF SIDEWALK AND THE TOP OF THE BOX LID. 29. JUNCTION BOXES FOR ELECTRICAL APPLICATIONS (TRAFFIC SIGNALS, STREET LIGHTING, ETC.) - THE LIDS SHOULD BE ETCHED ELEC, JUNCTION

BOXES FOR COMMUNICATIONS - THE LIDS SHOULD BE ETCHED COMM, ALL UPPERCASE LETTERS. 30. POLYMER CONCRETE 24 x 36 x 36 PULL BOXES SHALL BE INSTALLED AS SHOWN ON STANDARD DETAIL MMCD DRAWING E2.5 C/W BOLT DOWN

LID. REPLACE 300mm COARSE DRAIN ROCK WITH 300mm FINE DRAIN ROCK. 31. BOTTOM OF JUNCTION BOXES SHALL BE OPEN. BOTTOM SECTIONS SHALL BE SUPPORTED WITH CONCRETE BRICKS AND USE CRUSHED GRAVEL

32. ALL BOLT DOWN JUNCTION BOX LIDS SHALL BE TIER 15 (20K) RATED. 33. THE CONTRACTOR SHALL SUPPLY AND INSTALL THE EMTRAC ANTENNA BRACKET WITH NEOPRENE GASKET MATERIAL TO FORM A SEAL BETWEEN BRACKET AND POLE. NEOPRENE SHALL BE FULLY ENCLOSED WITHIN OUTER EDGES OF THE BRACKET SUCH THAT NONE IS VISIBLE AFTER THE BRACKET IS MOUNTED. EMTRAC ANTENNA CABLE SHALL RUN CONTINUOUS WITH NO SPLICES FROM CONTROLLER TO THE EMTRAC ANTENNA.

> NOT FOR CONSTRUCTION 2025-01-15 THE CONTRACTOR SHALL PROVIDE PHOTOGRAPHIC EVIDENCE SHOWING THE INSTALLED DEPTH OF THE **GROUND PLATE / ROD WITH RESPECT TO FINISHED** GRADE AND DISTANCE FROM THE CONCRETE BASE AS DETAILED IN THE MMCD. EXISTING STREET LIGHTING SHALL REMAIN IN **OPERATION THROUGHOUT CONSTRUCTION. IF** TRAFFIC SIGNAL DE-ENERGIZATION IS REQUIRED CONTRACTOR SHALL ENSURE FULL-TIME FLAGGING IS USED DURING ANY TRAFFIC SIGNAL DOWNTIME. EXISTING FIBRE OPTIC CABLES ON PIPELINE ROAD SHALL REMAIN IN OPERATION AND SHALL BE PROTECTED WHEN NECESSARY UNTIL THE NEW CONDUITS AND CABLES HAVE BEEN INSTALLED. THE CONTRACTOR SHALL COORDINATE WITH QNET AT LEAST 3 WEEKS PRIOR TO CONSTRUCTION. CONTACT BRENT GALPIN (604-927-3626 / bgalpin@coquitlam.ca) OR DWAINE ROPER (604-927-3605 / droper@coquitlam.ca) TO COORDINATE THE REMOVAL, CUT OVER, SPLICING AND CONNECTIONS. QNET WILL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING THE NEW FIBER OPTIC CABLES AND SPLICE ENCLOSURES DO NOT USE THIS DRAWING FOR PAVEMENT MARKINGS ALL JUNCTION BOX LOCATIONS AND CONDUIT ROUTING ARE DIAGRAMMATIC AND ARE NOT TO SCALE. CONTRACTOR TO AVOID UNDERGROUND CONFLICTS AND NOT INSTALL ANYTHING ON PRIVATE PROPERTY CALL BEFORE 'OU DIG! COQ. ASBUILT No. 1-800-474-6886 EXXXX or by CELLULAR +6886 Vancouwer Area 257-1940 CALL AT LEAST TWO FULL WORKING DAYS BEFORE YOU PLAN TO DIG **PIPELINE ROAD** Scale 1:250 DAVID AVENUE Sheet of

> > TRAFFIC SIGNAL MODIFICATIONS

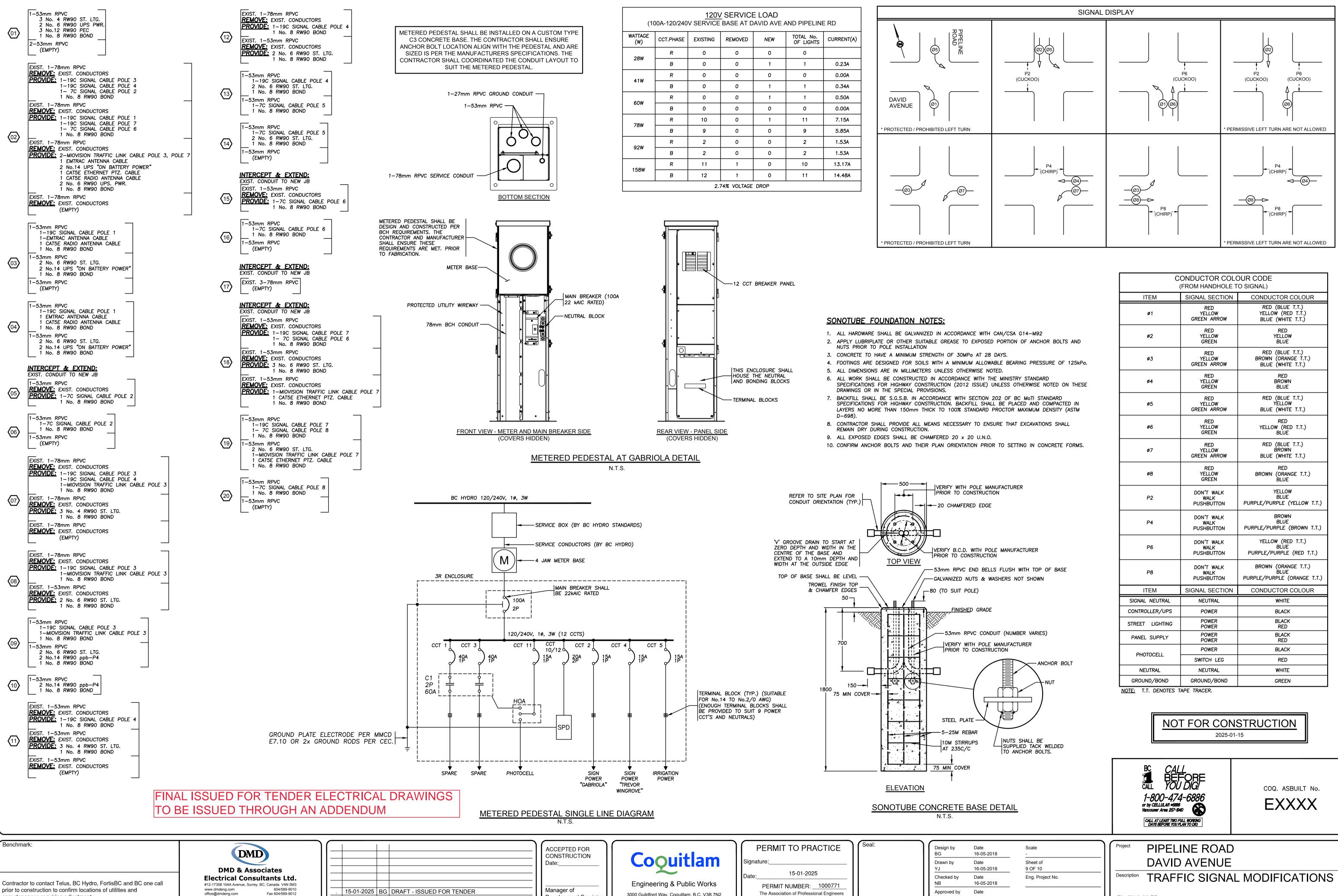
File: 7519-22-TS

Description

8 OF 10

16-05-2018

Eng. Project No.



3000 Guildford Way, Coquitlam, B.C. V3B 7N2

and Geoscientists of British Columbia

Development Servicing

appurtenances requiring adjustment. Plot Date: January 15, 2025

office@dmdeng.com

DMD PROJECT No. 7519-22-09 of 10

No.

Date

By Revisions

		O SIGNAL)
ITEM	SIGNAL SECTION	CONDUCTOR COLOUR
Ø1	RED YELLOW GREEN ARROW	RED (BLUE T.T.) YELLOW (RED T.T.) BLUE (WHITE T.T.)
ø2	RED YELLOW GREEN	RED YELLOW BLUE
ø3	RED YELLOW GREEN ARROW	RED (BLUE T.T.) BROWN (ORANGE T.T.) BLUE (WHITE T.T.)
ø4	RED YELLOW GREEN	RED BROWN BLUE
ø5	RED YELLOW GREEN ARROW	RED (BLUE T.T.) YELLOW BLUE (WHITE T.T.)
ø6	RED YELLOW GREEN	RED YELLOW (RED T.T.) BLUE
ø7	RED YELLOW GREEN ARROW	RED (BLUE T.T.) BROWN BLUE (WHITE T.T.)
ø8	RED YELLOW GREEN	RED BROWN (ORANGE T.T.) BLUE
P2	DON'T WALK WALK PUSHBUTTON	YELLOW BLUE PURPLE/PURPLE (YELLOW 1
P4	DON'T WALK WALK PUSHBUTTON	BROWN BLUE PURPLE/PURPLE (BROWN T
P6	DON'T WALK WALK PUSHBUTTON	YELLOW (RED T.T.) BLUE PURPLE/PURPLE (RED T.1
P8	DON'T WALK WALK PUSHBUTTON	BROWN (ORANGE T.T.) BLUE PURPLE/PURPLE (ORANGE 1
ITEM	SIGNAL SECTION	CONDUCTOR COLOUR
SIGNAL NEUTRAL	NEUTRAL	WHITE
CONTROLLER/UPS	POWER	BLACK
STREET LIGHTING	POWER POWER	BLACK RED
PANEL SUPPLY	POWER POWER	BLACK RED
PHOTOCELL	POWER	BLACK
	SWITCH LEG	RED
NEUTRAL	NEUTRAL	WHITE
GROUND/BOND	GROUND/BOND	GREEN

16-05-2018

File: 7519-22-TS

