



Addendum No. 1
City of Coquitlam
Tender No. 78012
Road & Pedestrian Safety Improvements on Guildford Way
and David Avenue
 (Consists of 7 Pages)
 Issue Date: April 7, 2026

Tenderers shall note the following changes:

Revisions

1. Refer to: INSTRUCTIONS TO TENDERERS

Amend: Clause 3.1- Submissions of Tenders

From:

Tenders must be received on or before:

***Tender Closing Time:* 2:00 p.m. local time**

***Tender Closing Date:* April 10, 2026**

To:

Tenders must be received on or before:

***Tender Closing Time:* 2:00 p.m. local time**

***Tender Closing Date:* April 14, 2026**

2. Refer to: INSTRUCTIONS TO TENDERERS

Amend: Clause 1.2 - Introduction

From:

The deadline for inquiries is **2:00 PM** local time, **Tuesday, April 7, 2026.**

To:

The deadline for inquiries is **12:00 PM** local time, **Thursday, April 9, 2026.**

**3. Refer to: SUPPLEMENTARY CONTRACT SPECIFICATIONS,
CONTRACT SPECIFIC NOTATIONS Section 00 72 43S**

Delete Clause 1.01, Schedule of Work

Replace with:

Construction work shall not be undertaken at Falcon Drive and Guilford Way intersections during the same time period. For each intersection, construction should be restricted to one corner only at a time unless approved by the Contract Administrator.

A construction staging plan must be submitted providing construction details for each site.

4. Refer to: AGREEMENT, Schedule 2, List of Drawings

Remove:

TITLE	SHEET NO.	REVISION NO.	DATE
DMD & ASSOCIATES ELECTRICAL CONSULTANTS LTD.			
GUILDFORD WAY FALCON DRIVE – TRAFFIC SIGNAL MODIFICATIONS	1 OF 4	-	05/03/2026
GUILDFORD WAY FALCON DRIVE – TRAFFIC SIGNAL MODIFICATIONS	2 OF 4	-	05/03/2026
GUILDFORD WAY LANSDOWNE DRIVE – TRAFFIC SIGNAL MODIFICATIONS	3 OF 4	-	05/03/2026
GUILDFORD WAY LANSDOWNE DRIVE – TRAFFIC SIGNAL MODIFICATIONS	4 OF 4	-	05/03/2026

Replace with:

TITLE	SHEET NO.	REVISION NO.	DATE
DMD & ASSOCIATES ELECTRICAL CONSULTANTS LTD.			
GUILDFORD WAY FALCON DRIVE – TRAFFIC SIGNAL MODIFICATIONS	1 OF 4	1	02/04/2026
GUILDFORD WAY FALCON DRIVE – TRAFFIC SIGNAL MODIFICATIONS	2 OF 4	1	02/04/2026
GUILDFORD WAY LANSDOWNE DRIVE – TRAFFIC SIGNAL MODIFICATIONS	3 OF 4	1	02/04/2026
GUILDFORD WAY LANSDOWNE DRIVE – TRAFFIC SIGNAL MODIFICATIONS	4 OF 4	1	02/04/2026

FOR CLARIFICATION: ALL DRAWINGS HAVE BEEN REPLACED WITH FULL SIZE DRAWINGS PDF TO REFLECT CORRECT SCALE, AND UPLOADED ON THE CITY WEB SITE.

Questions & Clarifications

Q1) Given that all lighting systems are operational, which option would the city prefer for the commencement of work?

1. A complete system shutdown, followed by excavation, installation of all bases and poles, and then commissioning. During this period, a temporary rental traffic control system will be implemented on-site.
2. A complete shutdown, with traffic control by flaggers. The installation of one corner pole per day, powering it up as it is installed.

**A1) Flagger control and restoration of control to the signal controller is the preferred approach at the Guildford traffic signal upgrades.
Part of the deliverable should be a properly staged construction plan that will minimize traffic disruption.**

Q2) Can we make that intersection a four-way stop with a flashing beacon?

**A2) No, four way stop with flashing beacon may not be used.
Construction work shall not be undertaken at Falcon Drive and Lansdowne Drive intersections during the same time period. For each intersection, construction should be restricted to one corner only, unless approved by the Contract Administrator.**

Q3) We request an extension for the closing date?

A3) Closing Date has been extended to Tuesday, April 14, 2026:

Tenders must be received on or before:

***Tender Closing Time:* 2:00 p.m. local time**

***Tender Closing Date:* April 14, 2026**

Q4) Can we get a PDF of full size drawings for the above noted project so it can be scaled off properly? The drawings currently posted are only 11x17?

A4) Full size drawings have been uploaded on City web site for downloading.

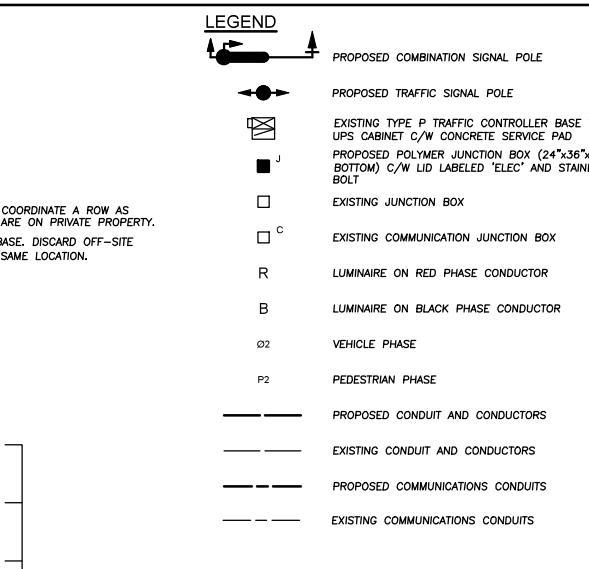
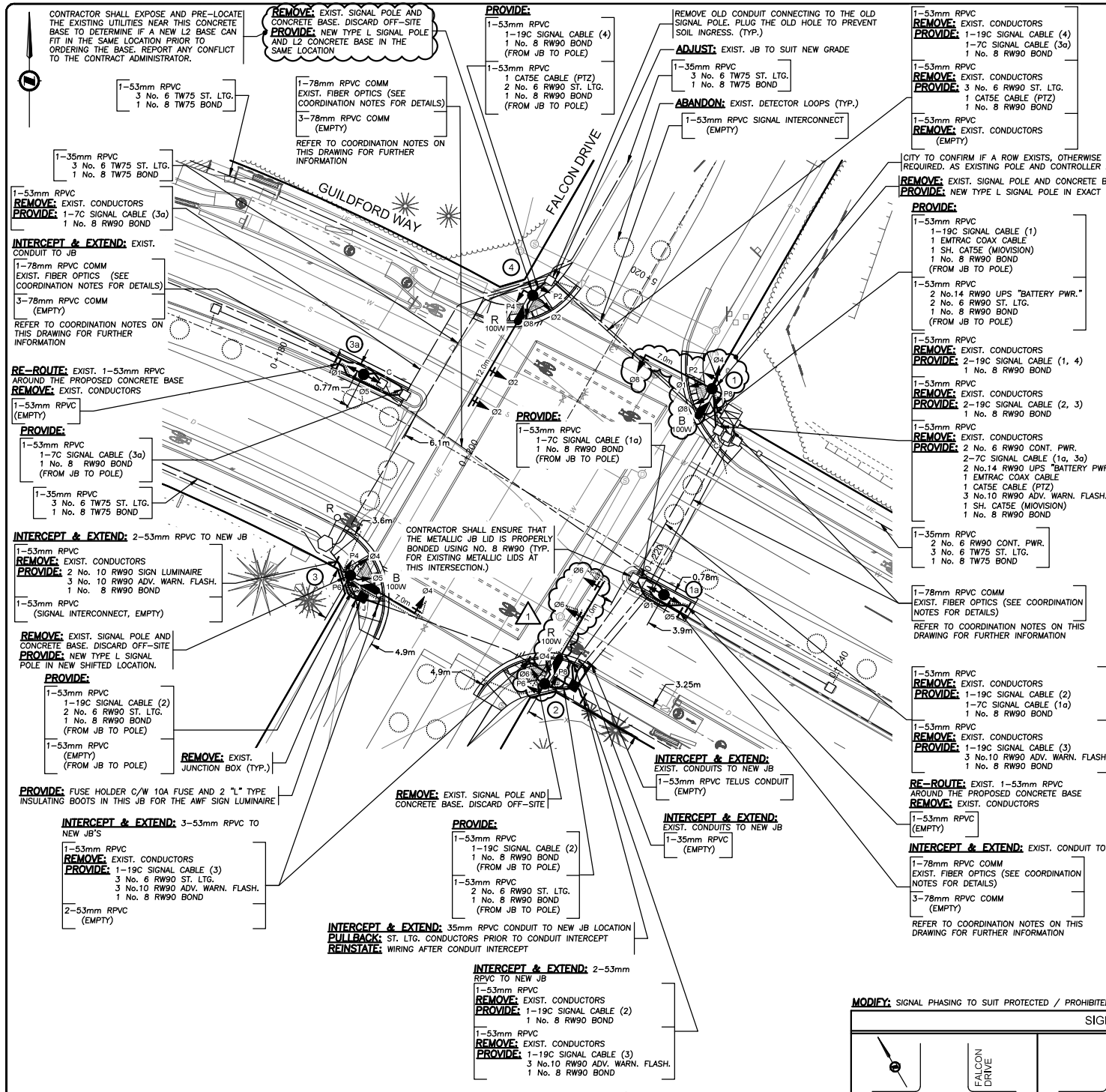
End of Addendum No. 1

Tenderers shall take into account the content of this Addendum in the preparation and submission of the Tender which will form part of the contract and should be acknowledged on the Tender form where indicated.

Upon submitting a Tender, Tenderers will be deemed to have received all addenda and considered the information for inclusion in the Tender submitted.

Issued by:

M. Pain
Manager Procurement
Email: bid@coquitlam.ca



120V SERVICE LOAD
(100A-120/240V SERVICE BASE EAST OF POLE 1 AT NEC)

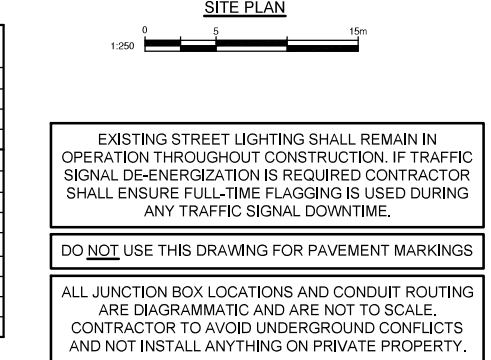
WATTAGE (W)	CCT.PHASE	EXISTING	REMOVED	NEW	TOTAL No. OF LIGHTS	CURRENT(A)
41W	R	2	0	0	2	0.68A
	B	2	0	0	2	0.68A
54W	R	1	0	0	1	0.45A
	B	0	0	0	0	0.00A
69W	R	2	0	0	2	1.15A
	B	2	0	0	2	1.15A
78W	R	2	0	0	2	1.30A
	B	3	0	0	3	1.95A
84W	R	2	0	0	2	1.40A
	B	2	0	0	2	1.40A
100W	R	4	0	1	5	4.17A
	B	2	0	0	2	1.67A
117W	R	6	0	0	6	5.85A
	B	9	0	0	9	8.78A

2.76% VOLTAGE DROP

INTERSECTION DESIGN CRITERIA
PER: (CITY BYLAW 3558)

INTERSECTION (NAME)	GUILDFORD WAY	FALCON DRIVE
LAND USE CLASSIFICATION	RESIDENTIAL	RESIDENTIAL
ROADWAY CLASSIFICATION & WIDTH	ARTERIAL	COLLECTOR
PEDESTRIAN CONFLICT	MEDIUM	MEDIUM
ILLUMINANCE RECOMMENDED/DELIVERED	22.0 LUX	30.3 LUX
UNIFORMITY RECOMMENDED/DELIVERED	3.0:1	2.2:1
LIGHT LOSS FACTOR		0.85
SPACING		AS SHOWN
EQUIPMENT		
FIXTURE TYPE: LED	WATTAGE: 100W	MTG. HEIGHT: 9.5m
IES FILE:	NXT-72M-450mA-2ES-4000K	MODEL: NXT-72M - SERIES
FIXTURE TYPE: LED	WATTAGE: 100W**	MTG. HEIGHT: 9.0m
IES FILE:	NXT-72M-450mA-2ES-4000K	MODEL: NXT-72M - SERIES

* BASE ON A 20-YEAR FIXTURE LIFE AND 10-YEAR CLEANING CYCLE
** STREET LIGHTING INCLUDED IN CALCULATION



ALL EQUIPMENT IS EXISTING EXCEPT WHERE NOTED

NOT FOR CONSTRUCTION
2026-04-02

LOCATING EQUIPMENT

FOR CLARITY CONDUITS, JUNCTION BOXES AND STREETLIGHT POLES MAY NOT BE SHOWN AT DESIGN OFFSETS. CONTRACTOR SHALL LOCATE ALL EQUIPMENT BASED ON STATIONS AND/OR OFFSETS AS NOTED AND SHALL NOT RELY ON COORDINATES OBTAINED FROM DMD DIGITAL DRAWINGS. CONTRACTOR TO REPORT ANY CONFLICTS OR DISCREPANCIES TO DMD & ASSOCIATES PRIORITY ORDERING EQUIPMENT.

CHECK BEFORE YOU DIG

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. CONTRACTOR TO REPORT ANY CONFLICTS OR DISCREPANCIES TO DMD & ASSOCIATES PRIORITY ORDERING BASES.

EXISTING INFORMATION SHOWN WAS TAKEN FROM THE EXISTING CITY AS-BUILT DRAWINGS. DETAILS ON DRAWINGS ONLY SHOW CHANGES REQUIRED AND MAY NOT ACCURATELY REPRESENT WHAT EXISTS IN FIELD

CONTRACTOR SHALL REMOVE ALL THE EXISTING LOOP CABLES INSIDE THE EXISTING JB

THE CONTRACTOR SHALL ENSURE ALL CONDUITS ENTER THE BOTTOM OF ANY NEWLY INSTALLED JUNCTION BOXES. CONDUITS ENTERING THE SIDE OF THESE NEWLY INSTALLED BOXES WILL NOT BE ACCEPTABLE.

EXISTING FIBRE OPTIC CABLES ON GUILDFORD WAY SHALL REMAIN IN OPERATION AND SHALL BE PROTECTED WHEN NECESSARY UNTIL THE NEW WORKS 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 DWAIN ROPER (604-927-3605 / droper@coquitlam.ca) TO COORDINATE THE PULL BACK, CUT OVER, SPLICING AND CONNECTIONS. QNET WILL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING THE NEW FIBRE OPTIC CABLES AND SPLICE ENCLOSURES. SEE BELOW THE PREFERRED APPROACH BY QNET FOR THE MEDIAN WORKS.

PREFERRED APPROACH BY QNET FOR THE MEDIAN WORKS.

1. CONFIRM AND RE-ROUTE THE EXIST. 3-78mm RPVC EMPTY CONDUITS AROUND THE NEW MEDIAN BASE LOCATION.
2. RE-INSTALL ALL THE FIBERS WORK INTO THE NEWLY ROUTED COMM DUCTS (BY QNET)
3. COMPLETE THE ASSOCIATE MEDIAN SIGNAL WORKS INSTALL AND RE-ROUTE THE LAST CONDUIT INTO THE COMM JB.

CALL BEFORE YOU DIG
1-800-474-6886
By Call or 24 Hours
www.callbeforeyoudig.com

COQ. ASBUILT No. **EXXX**

Benchmark
Contractor to contact Teljus, BC Hydro, FortisBC and BC one call prior to construction to confirm locations of utilities and appurtenances requiring adjustment.

DMD & Associates
Electrical Consultants Ltd.
#12-1768 104A Avenue, Surrey, BC, Canada V4N 1M3
www.dmdeng.com 604-599-8010
office@dmdeng.com Fax 604-598-0112
DMD PROJECT No. 8358-24/01 of 04

No.	Date	By	Revisions
1	02-04-2026	BG	ADDENDUM #1 SOUTH CORNER POLE AND JB SHIFT
	05-03-2026	BG	ISSUED FOR TENDER
	21-01-2026	BG	DETAILED SUBMISSION
	28-04-2025	BP	PRELIMINARY SUBMISSION

ACCEPTED FOR CONSTRUCTION
Date: _____
Manager of Development Servicing

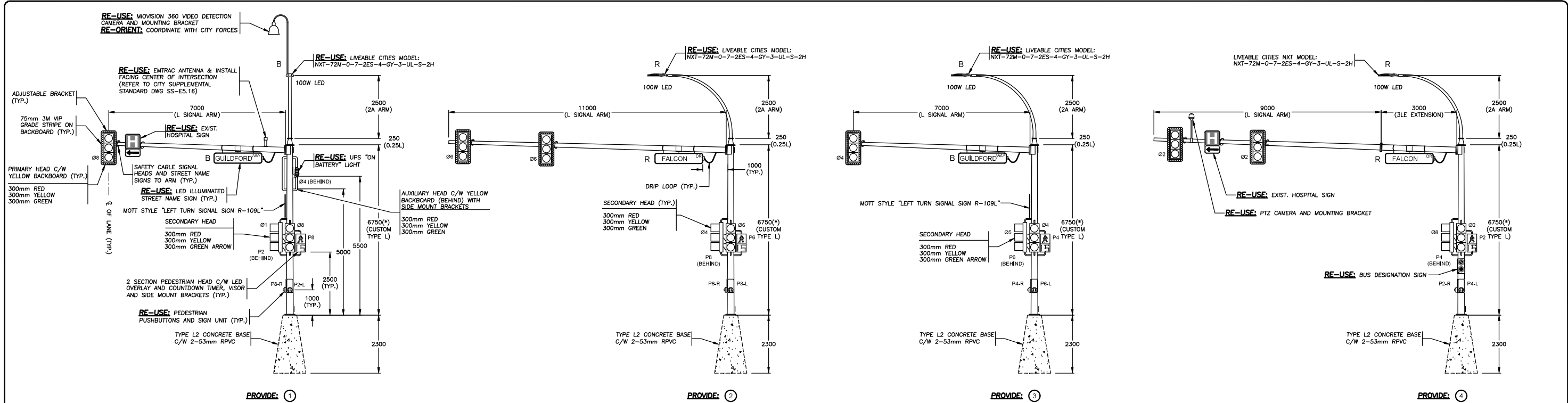
Coquitlam
Engineering & Public Works
3000 Guildford Way, Coquitlam, B.C., V3B 7N2

PERMIT TO PRACTICE
Signature: _____
Date: 02-04-2026
PERMIT NUMBER: 1000771
The Association of Professional Engineers and Geoscientists of British Columbia



Design by	Date	Scale
BP	12-12-2024	1:250
Drawn by	Date	Sheet of
YJ	12-12-2024	1 OF 4
Checked by	Date	Eng. Project No.
NB	12-12-2024	
Approved by	Date	
	12-12-2024	

Project: **GUILDFORD WAY FALCON DRIVE**
Description: **TRAFFIC SIGNAL MODIFICATIONS**
File: 8358-24



ALL SIGNAL AND PEDESTRIAN DISPLAYS SHALL BE LED
ALL SIGNAL DISPLAYS SHALL HAVE TUNNEL VISORS

NEW POLES DENOTED WITH (*) ARE TO BE CUSTOM. POLE LOADING ANALYSIS MUST BE COMPLETED BY THE POLE MANUFACTURER TO ENSURE POLE(S) ARE CHECKED FOR 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).

CONDUCTOR COLOUR CODE (FROM HANDHOLE TO SIGNAL)		
ITEM	SIGNAL SECTION	CONDUCTOR COLOUR
#1	RED	RED (BLUE T.T.)
	YELLOW	YELLOW (RED T.T.)
	GREEN ARROW	BLUE (WHITE T.T.)
#2	RED	RED
	YELLOW GREEN	YELLOW BLUE
#4	RED	RED BROWN
	YELLOW GREEN	BLUE
#5	RED	RED (BLUE T.T.)
	YELLOW GREEN ARROW	YELLOW (RED T.T.)
#6	RED	RED (ORANGE T.T.)
	YELLOW GREEN	BLUE
#8	RED	BROWN (ORANGE T.T.)
	YELLOW GREEN	BLUE
P2	DON'T WALK WALK PUSHBUTTON	YELLOW BLUE PURPLE/PURPLE (YELLOW T.T.)
P4	DON'T WALK WALK PUSHBUTTON	BROWN BLUE PURPLE/PURPLE (BROWN T.T.)
P6	DON'T WALK WALK PUSHBUTTON	YELLOW (RED T.T.)
	DON'T WALK WALK PUSHBUTTON	PURPLE/PURPLE (RED T.T.)
P8	DON'T WALK WALK PUSHBUTTON	BROWN (ORANGE T.T.)
	DON'T WALK WALK PUSHBUTTON	PURPLE/PURPLE (ORANGE T.T.)
ITEM	SIGNAL SECTION	CONDUCTOR COLOUR
SIGNAL NEUTRAL	NEUTRAL	WHITE
CONTROLLER/UPS	POWER	BLACK
STREET LIGHTING	POWER	BLACK
	POWER	RED
PANEL SUPPLY	POWER	BLACK
	POWER	RED
PHOTOCELL	POWER	BLACK
	SWITCH LEG	RED
ADVANCE WARNING FLASHER		YELLOW (RD TT)
		BROWN
NEUTRAL	NEUTRAL	WHITE
GROUND/BOND	GROUND/BOND	GREEN

ALL EQUIPMENT IS EXISTING EXCEPT WHERE NOTED

NOT FOR CONSTRUCTION
2026-04-02

CONTRACTOR SHALL OBTAIN A COPY OF THE CITY OF COQUITLAM TRAFFIC SIGNAL AND ROADWAY SUPPLEMENTAL SPECIFICATIONS PRIOR TO CONSTRUCTION.

REFER TO THE CITY OF COQUITLAM TRAFFIC SIGNAL APPROVED PRODUCTS LIST FOR ALL EQUIPMENT DETAILS. IF ANYTHING IS NOT LISTED, COORDINATE WITH CITY TRANSPORTATION GROUP.

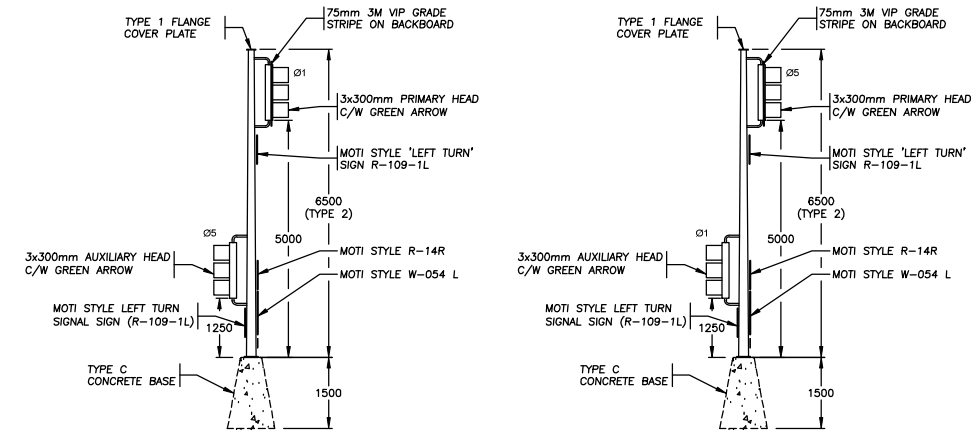
USE #7 CONDUCTOR FOR SECONDARY PB RETURN TAPE WHITE IN HANDHOLE & CONTROLLER CABINET.

THE CONTRACTOR SHALL COORDINATE ALL TERMINATION IN THE TRAFFIC CONTROLLER WITH THE CONTRACT ADMINISTRATOR.

THE CITY OF COQUITLAM SHALL BE RESPONSIBLE FOR PROGRAMMING CHANGES TO THE TRAFFIC SIGNAL INCLUDING THE VIDEO DETECTION SYSTEM. CONTRACTOR SHALL PROVIDE THE CITY 3 WEEKS NOTICE IN ADVANCE OF WORK BEING REQUIRED. ALL COST RELATED TO THIS WORK WILL BE BORNE BY THE CITY.



COQ. ASBULT No. EXXXX



Benchmark
Contractor to contact Telus, BC Hydro, FortisBC and BC one call prior to construction to confirm locations of utilities and appurtenances requiring adjustment.
Plot Date: April 2, 2026

DMD & Associates
Electrical Consultants Ltd.
12-1798 104A Avenue, Surrey, BC, Canada V4N 5M3
www.dmdeng.com 604-599-0110
office@dmdeng.com Fax: 604-598-9012
DMD PROJECT No. 8358-24-02 of 04

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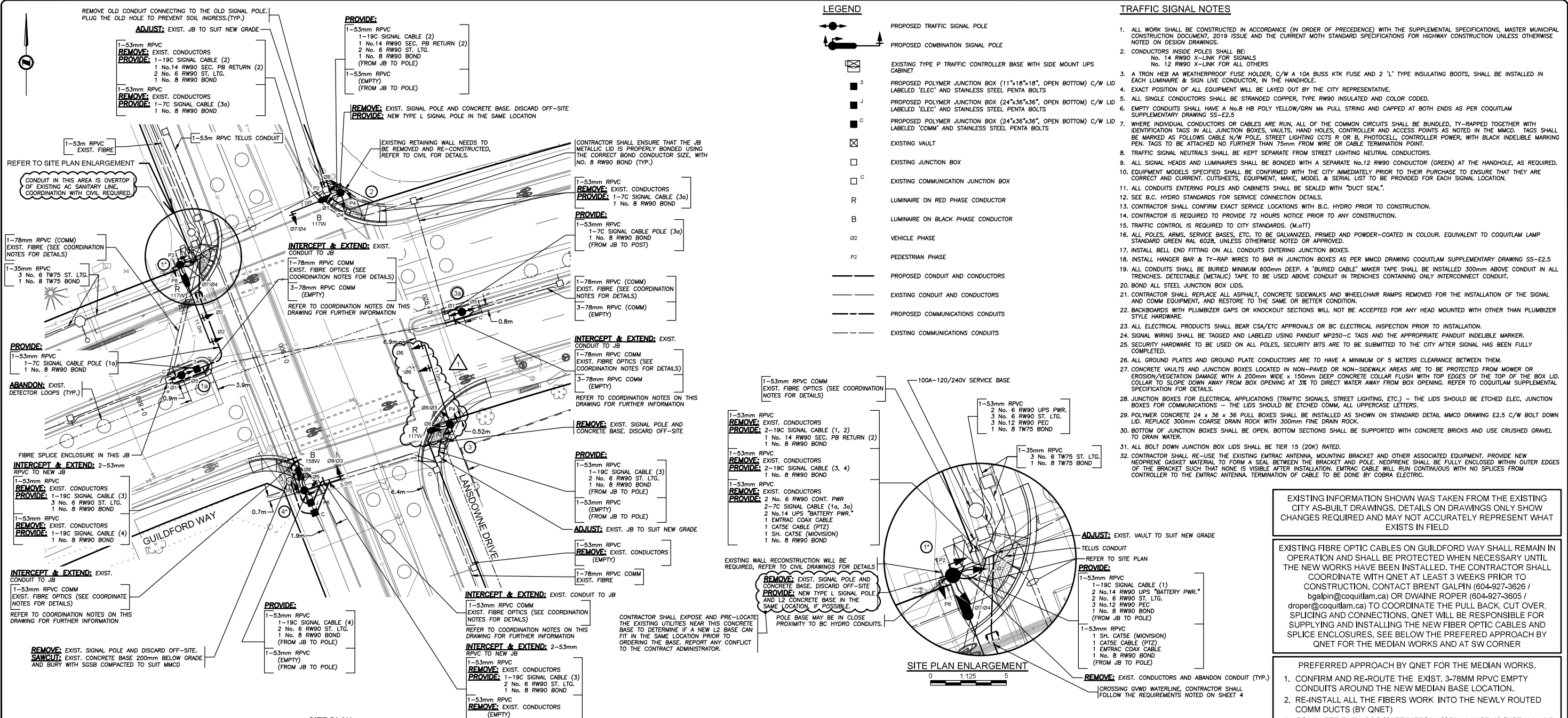
Coquitlam
Engineering & Public Works
3000 Guildford Way, Coquitlam, B.C., V3B 7N2

PERMIT TO PRACTICE
Signature: _____
Date: 02-04-2026
PERMIT NUMBER: 1000771
The Association of Professional Engineers and Geoscientists of British Columbia



Design by	Date	Scale
BP	12-12-2024	AS NOTED
Drawn by	Date	Sheet of
YJ	12-12-2024	2 OF 4
Checked by	Date	Eng. Project No.
NB	12-12-2024	
Approved by	Date	
	12-12-2024	

Project: **GUILDFORD WAY FALCON DRIVE**
Description: **TRAFFIC SIGNAL MODIFICATIONS**
File: 8358-24



LEGEND

- PROPOSED TRAFFIC SIGNAL POLE
- PROPOSED COMBINATION SIGNAL POLE
- EXISTING TYPE P TRAFFIC CONTROLLER BASE WITH SIDE MOUNT UPS CABINET
- PROPOSED POLYMER JUNCTION BOX (11"x18"x18", OPEN BOTTOM) C/W LID LABELED 'ELEC' AND STAINLESS STEEL PENTA BOLTS
- PROPOSED POLYMER JUNCTION BOX (24"x36"x36", OPEN BOTTOM) C/W LID LABELED 'ELEC' AND STAINLESS STEEL PENTA BOLTS
- PROPOSED POLYMER JUNCTION BOX (24"x36"x36", OPEN BOTTOM) C/W LID LABELED 'COMM' AND STAINLESS STEEL PENTA BOLTS
- EXISTING VAULT
- EXISTING JUNCTION BOX
- EXISTING COMMUNICATION JUNCTION BOX
- LUMINAIRE ON RED PHASE CONDUCTOR
- LUMINAIRE ON BLACK PHASE CONDUCTOR
- VEHICLE PHASE
- PEDESTRIAN PHASE
- PROPOSED CONDUIT AND CONDUCTORS
- EXISTING CONDUIT AND CONDUCTORS
- PROPOSED COMMUNICATIONS CONDUITS
- EXISTING COMMUNICATIONS CONDUITS

TRAFFIC SIGNAL NOTES

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 NOTED ON DESIGN DRAWINGS.
2. CONDUCTORS INSIDE POLES SHALL BE: No. 14 RW90 X-LINK FOR ALL OTHERS No. 12 RW90 X-LINK FOR ALL OTHERS
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.
6. EMPTY CONDUITS SHALL HAVE A No.8 HB POLY YELLOW/GRN MK PULL STRING AND CAPPED AT BOTH ENDS AS PER COQUITLAM SUPPLEMENTARY DRAWING SS-22.5
7. 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 CTS R OR B, PHOTOCCELL, CONTROLLER POWER, WITH BLACK INDELEIBLE 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.
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".
12. SEE B.C. HYDRO STANDARDS FOR SERVICE CONNECTION DETAILS.
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.TT)
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.
20. BOND ALL STEEL JUNCTION BOX LIDS.
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 STYLE HARDWARE.
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 INDELEIBLE MARKER.
25. SECURITY HARDWARE TO BE USED ON ALL POLES, SECURITY BITS ARE TO BE SUBMITTED TO THE CITY AFTER SIGNAL HAS BEEN FULLY COMPLETED.
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 SUPPLEMENTARY SPECIFICATION FOR DETAILS.
28. 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.
29. 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.
30. BOTTOM OF JUNCTION BOXES SHALL BE OPEN. BOTTOM SECTIONS SHALL BE SUPPORTED WITH CONCRETE BRICKS AND USE CRUSHED GRAVEL TO DRAIN WATER.
31. ALL BOLT DOWN JUNCTION BOX LIDS SHALL BE TIER 15 (20K) RATED.
32. CONTRACTOR SHALL RE-USE THE EXISTING ENTRAC ANTENNA, MOUNTING BRACKET AND OTHER ASSOCIATED EQUIPMENT. PROVIDE NEW NEOPRENE GASKET MATERIAL TO FORM A SEAL BETWEEN THE BRACKET AND POLE. NEOPRENE SHALL BE FULLY ENCLOSED WITH OUTER EDGES OF THE BRACKET SUCH THAT NONE IS VISIBLE AFTER INSTALLATION. ENTRAC CABLE WILL RUN CONTINUOUS WITH NO SPLICES FROM CONTROLLER TO THE ENTRAC ANTENNA. TERMINATION OF CABLE TO BE DONE BY COBRA ELECTRIC.

EXISTING INFORMATION SHOWN WAS TAKEN FROM THE EXISTING CITY AS-BUILT DRAWINGS. DETAILS ON DRAWINGS ONLY SHOW CHANGES REQUIRED AND MAY NOT ACCURATELY REPRESENT WHAT EXISTS IN FIELD

EXISTING FIBRE OPTIC CABLES ON GUILDFORD WAY SHALL REMAIN IN OPERATION AND SHALL BE PROTECTED WHEN NECESSARY UNTIL THE NEW WORKS 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 DWAIN ROPER (604-927-3605 / droper@coquitlam.ca) TO COORDINATE THE PULL BACK, CUT OVER, SPLICING AND CONNECTIONS. QNET WILL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING THE NEW FIBRE OPTIC CABLES AND SPLICE ENCLOSURES. SEE BELOW THE PREFERRED APPROACH BY QNET FOR THE MEDIAN WORKS AND AT SW CORNER

PREFERRED APPROACH BY QNET FOR THE MEDIAN WORKS.

1. CONFIRM AND RE-ROUTE THE EXIST. 3-78MM RPVC EMPTY CONDUITS AROUND THE NEW MEDIAN BASE LOCATION.
2. RE-INSTALL ALL THE FIBERS WORK INTO THE NEWLY ROUTED COMM DUCTS (BY QNET)
3. COMPLETE THE ASSOCIATE MEDIAN SIGNAL WORKS INSTALL AND RE-ROUTE THE LAST CONDUIT INTO THE COMM JB.

PREFERRED APPROACH FOR SW CORNER

1. COORDINATE WITH QNET 3WEEKS PRIOR TO STARTING ANY COMM RELATED WORKS.

THE CONTRACTOR SHALL ENSURE ALL CONDUITS ENTER THE BOTTOM OF ANY NEWLY INSTALLED JUNCTION BOXES. CONDUITS ENTERING THE SIDE OF THESE NEWLY INSTALLED BOXES WILL NOT BE ACCEPTABLE.

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.

(*) PROPOSED POLE LOCATION COULD BE IN CONFLICT WITH EXISTING UNDERGROUND INFRASTRUCTURE. CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXCAVATING AND SHALL EXPOSE AND PRE-LOCATE THE EXISTING UTILITIES NEAR THIS CONCRETE BASE. REPORT ANY CONFLICTS TO THE CONTRACT ADMINISTRATOR PRIOR TO ORDERING CONCRETE BASES AND SIGNAL POLES.

LOCATING EQUIPMENT

FOR CLARITY CONDUITS, JUNCTION BOXES AND STREETLIGHT POLES MAY NOT BE SHOWN AT DESIGN OFFSETS. CONTRACTOR SHALL LOCATE ALL EQUIPMENT BASED ON STATIONS AND/OR OFFSETS AS NOTED AND SHALL NOT RELY ON COORDINATES OBTAINED FROM DMD DIGITAL DRAWINGS. CONTRACTOR TO REPORT ANY CONFLICTS OR DISCREPANCIES TO DMD & ASSOCIATES PRIOR TO ORDERING EQUIPMENT.

CHECK BEFORE YOU DIG

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. CONTRACTOR TO REPORT ANY CONFLICTS OR DISCREPANCIES TO DMD & ASSOCIATES PRIOR TO ORDERING BASES.



COQ. ASBUILT No. **EXXXX**

CONTRACTOR SHALL REMOVE ALL THE EXISTING LOOP CABLES INSIDE THE EXISTING JB

INTERSECTION DESIGN CRITERIA
PER: (CITY BYLAW 3558)

INTERSECTION (NAME)	GUILDFORD WAY	LANSDOWNE DRIVE	
LAND USE CLASSIFICATION	RESIDENTIAL	RESIDENTIAL	
ROADWAY CLASSIFICATION & WIDTH	ARTERIAL	COLLECTOR	
PEDESTRIAN CONFLICT	MEDIUM	MEDIUM	
ILLUMINANCE RECOMMENDED/DELIVERED	22.0 LUX	26.6 LUX	
UNIFORMITY RECOMMENDED/DELIVERED	3.0:1	2.2:1	
LIGHT LOSS FACTOR	0.85		
SPACING	AS SHOWN		
EQUIPMENT			
FIXTURE TYPE: LED	WATTAGE: 117W	MTG. HEIGHT: 9.5m	DIST TYPE: 2ES
IES FILE:	NXT-72M-525mA-2ES-4000K	MODEL: NXT-72M- SERIES	
FIXTURE TYPE: LED	WATTAGE: 158W	MTG. HEIGHT: 9.5m	DIST TYPE: 2ES
IES FILE:	NXT-72M-700mA-2ES-4000K	MODEL: NXT-72M- SERIES	
FIXTURE TYPE: LED	WATTAGE: 117W**	MTG. HEIGHT: 9.0m	DIST TYPE: 2ES
IES FILE:	NXT-72M-525mA-2ES-4000K	MODEL: NXT-72M- SERIES	

* BASE ON A 20-YEAR FIXTURE LIFE AND 10-YEAR CLEANING CYCLE
** STREET LIGHTING INCLUDED IN CALCULATION

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.

ALL EQUIPMENT IS EXISTING EXCEPT WHERE NOTED

NOT FOR CONSTRUCTION
2028-04-02

Benchmark
Contractor to contact Teljus, BC Hydro, FortisBC and BC one call prior to construction to confirm locations of utilities and appurtenances requiring adjustment.

DMD
DMD & Associates
Electrical Consultants Ltd.
#12-1708 104A Avenue, Surrey, BC, Canada V4N 1M3
www.dmdeng.com 604-598-0110
offices@dmdeng.com Fax 604-598-0112
DMD PROJECT No. 8358-24-03 of 04

No.	Date	By	Revisions
1	02-04-2026	BG	ADDENDUM #1 - POLE 2 LOCATION AND POLE TYPE CHANGE
	05-03-2026	BG	ISSUED FOR TENDER
	21-01-2026	BG	DETAILED SUBMISSION
	28-04-2025	BP	PRELIMINARY SUBMISSION

ACCEPTED FOR CONSTRUCTION
Date: _____
Manager of Development Servicing

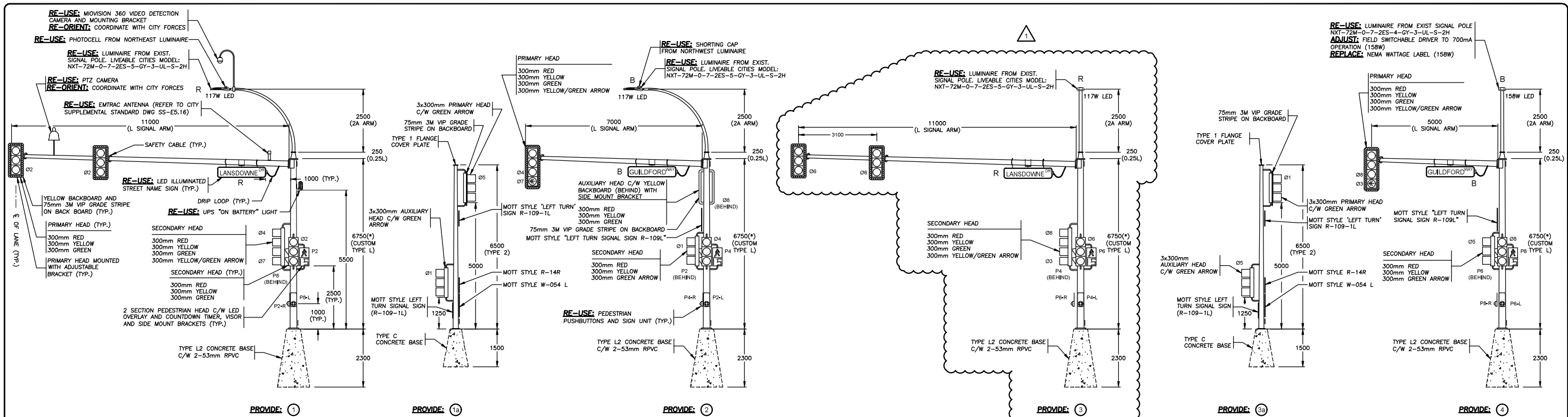
Coquitlam
Engineering & Public Works
3000 Guildford Way, Coquitlam, B.C., V3B 7N2

PERMIT TO PRACTICE
Signature: _____
Date: 02-04-2026
PERMIT NUMBER: 1000771
The Association of Professional Engineers and Geoscientists of British Columbia



Design by	Date	Scale
BP	12-12-2024	1:250
Drawn by	Date	Sheet of
YJ	12-12-2024	3 OF 4
Checked by	Date	Eng. Project No.
NB	12-12-2024	
Approved by	Date	
	12-12-2024	

Project **GUILDFORD WAY**
LANSDOWNE DRIVE
Description **TRAFFIC SIGNAL MODIFICATIONS**
File: 8358-24

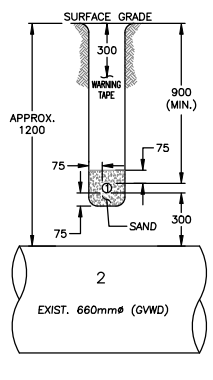


ALL SIGNAL AND PEDESTRIAN DISPLAYS SHALL BE LED
ALL SIGNAL DISPLAYS SHALL HAVE TUNNEL VISORS

120V SERVICE LOAD
(100A-120/240V SERVICE BASE AT NEC GUILDFORD WAY AND LANSDOWNE)

WATTAGE (W)	CCT.PHASE	EXISTING	REMOVED	NEW	TOTAL No. OF LIGHTS	CURRENT(A)
84W	R	2	0	0	2	1.40A
	B	2	0	0	2	1.40A
117W	R	2	0	0	2	1.95A
	B	2	1	0	1	0.98A
158W	R	0	0	0	0	0.00A
	B	0	0	1	1	1.32A

0.30% VOLTAGE DROP



CONTRACTOR TO CONTACT DMD IF TRENCH CANNOT MAINTAIN A MINIMUM OF 900mm BURIAL DEPTH AND 300mm VERTICAL CLEARANCE TO MV WATERMAIN

1 - 53mm RPVC
2 - MV WATERMAIN

CONDUCTOR COLOUR CODE (FROM HANDHOLE TO SIGNAL)

ITEM	SIGNAL SECTION	CONDUCTOR COLOUR
#1	RED	RED (BLUE T.T.)
	YELLOW	YELLOW (RED T.T.)
	GREEN ARROW	BLUE (WHITE T.T.)
#2	RED	RED YELLOW BLUE
	YELLOW GREEN	RED YELLOW BLUE
#3	YELLOW ARROW	ORANGE (WHITE T.T.)
	GREEN ARROW	BLUE (WHITE T.T.)
#4	RED	RED BROWN BLUE
	YELLOW GREEN	RED BROWN BLUE
#5	RED	RED (BLUE T.T.)
	YELLOW GREEN ARROW	YELLOW BLUE (WHITE T.T.)
#6	RED	RED YELLOW (RED T.T.)
	YELLOW GREEN	BLUE
#7	YELLOW ARROW	ORANGE (WHITE T.T.)
	GREEN ARROW	BLUE (WHITE T.T.)
#8	RED	RED (ORANGE T.T.)
	YELLOW GREEN	BLUE
P2	DON'T WALK WALK PUSHBUTTON	YELLOW BLUE PURPLE/PURPLE (YELLOW T.T.)
P4	DON'T WALK WALK PUSHBUTTON	BROWN BLUE PURPLE/PURPLE (BROWN T.T.)
P6	DON'T WALK WALK PUSHBUTTON	YELLOW (RED T.T.) BLUE PURPLE/PURPLE (RED T.T.)
P8	DON'T WALK WALK PUSHBUTTON	BROWN (ORANGE T.T.) BLUE PURPLE/PURPLE (ORANGE T.T.)
ITEM	SIGNAL SECTION	CONDUCTOR COLOUR
SIGNAL NEUTRAL	NEUTRAL	WHITE
CONTROLLER/UPS	POWER	BLACK
STREET LIGHTING	POWER	BLACK
	POWER	RED
PANEL SUPPLY	POWER	BLACK
	POWER	RED
PHOTOCELL	POWER	BLACK
NEUTRAL	SWITCH LEG	RED
NEUTRAL	NEUTRAL	WHITE
GROUND/BOND	GROUND/BOND	GREEN

NOTE: T.T. DENOTES TAPE TRACER.

NEW POLES DENOTED WITH (*) ARE TO BE CUSTOM. POLE LOADING ANALYSIS MUST BE COMPLETED BY THE POLE MANUFACTURER TO ENSURE POLE(S) ARE CHECKED FOR 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).

EXISTING INFORMATION SHOWN WAS TAKEN FROM THE EXISTING CITY AS-BUILT DRAWINGS. DETAILS ON DRAWINGS ONLY SHOW CHANGES REQUIRED AND MAY NOT ACCURATELY REPRESENT WHAT EXISTS IN FIELD

ALL EQUIPMENT IS EXISTING EXCEPT WHERE NOTED

NOT FOR CONSTRUCTION
2026-04-02

CONTRACTOR SHALL OBTAIN A COPY OF THE CITY OF COQUITLAM TRAFFIC SIGNAL AND ROADWAY SUPPLEMENTAL SPECIFICATIONS PRIOR TO CONSTRUCTION.

REFER TO THE CITY OF COQUITLAM TRAFFIC SIGNAL APPROVED PRODUCTS LIST FOR ALL EQUIPMENT DETAILS. IF ANYTHING IS NOT LISTED, COORDINATE WITH CITY TRANSPORTATION GROUP.

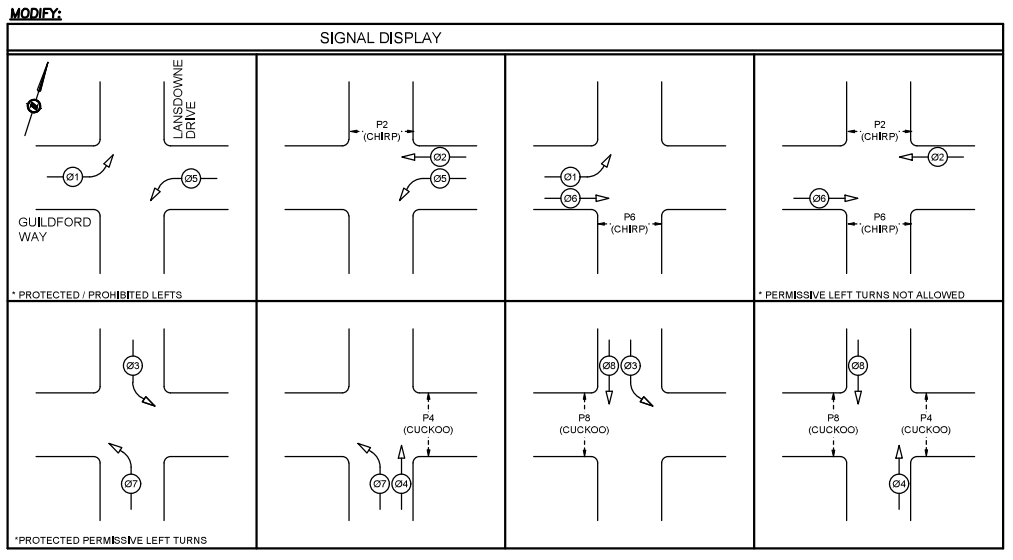
USE #7 CONDUCTOR FOR SECONDARY PB RETURN TAPE WHITE IN HANDHOLE & CONTROLLER CABINET.

THE CONTRACTOR SHALL COORDINATE ALL TERMINATION IN THE TRAFFIC CONTROLLER WITH THE CONTRACT ADMINISTRATOR.

THE CITY OF COQUITLAM SHALL BE RESPONSIBLE FOR PROGRAMMING CHANGES TO THE TRAFFIC SIGNAL INCLUDING THE VIDEO DETECTION SYSTEM. CONTRACTOR SHALL PROVIDE THE CITY 3 WEEKS NOTICE IN ADVANCE OF WORK BEING REQUIRED. ALL COST RELATED TO THIS WORK WILL BE BORNE BY THE CITY.



COQ. ASBUILT No. EXXXX



- AN MV REPRESENTATIVE TO BE ON SITE TO WITNESS THE CROSSING WORK, TO ARRANGE AN MV REPRESENTATIVE, PLEASE CONTACT IPI DESAI AT 604-218-6192 OR Ipi.Desai@metsovaconveyor.com WITH THE TRACKING NUMBER PXW26-005A3. NO LESS THAN 10 BUSINESS DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR PHYSICALLY VERIFYING THE DEPTH AND LOCATION OF ALL GWD/WATER MAINS AND OTHER UTILITIES PRIOR TO CONSTRUCTION, OBSERVE THE DISCLAIMERS ON ALL GWD/WATER SUPPLIED DRAWINGS AND DO NOT RELY SOLELY ON DRAWINGS OR AS-BUILT INFORMATION.
- IF THE WATER MAIN IS TO BE EXPOSED, A HYDRO-EXCAVATOR SHALL BE USED (OR AUTHORIZED OTHERWISE) AND AN MV REPRESENTATIVE MUST BE PRESENT.
- IF AN EXISTING GWD/WATER MAIN IS EXPOSED, THE CONTRACTOR IS RESPONSIBLE TO RESTORE PIPE BEDDING AND BACKFILL TO MV STANDARDS (TO REINSTATE PIPE BEDDING WITH SAND COMPACTED TO 95% MOVED PROCTOR).
- THE CONTRACTOR IS TO ENSURE A HORIZONTAL MINIMUM CLEARANCE OF 1000MM AND A VERTICAL MINIMUM CLEARANCE OF 300MM TO GWD/FACILITIES AND APPURTENANCES (MEASURED OUTER EDGE TO OUTER EDGE).
- ONLY USE HAND TOOLS AND HYDRO-EXCAVATOR FOR EXCAVATION WITHIN 500MM OF THE OUTER EDGE OF MV UTILITIES.
- ONLY LOW IMPACT AND LOW VIBRATORY METHODS, SUCH AS LIGHTWEIGHT WALK BEHIND PLATE TAMPER OR JUMPING JACK, ARE PERMITTED WITHIN 3 METERS OF GWD MAINS, MACHINE HOE-PACK OR VIBRATORY ROLLERS ARE NOT PERMITTED WITHIN THIS ZONE.
- THE COATING OR PIPE MATERIAL OF GWD/WATER MAINS MAY CONTAIN ASBESTOS AND OTHER HAZARDOUS CONTAMINANTS. IF THE COATING WOULD BE DISTURBED DURING THE COURSE OF THE PROXIMAL CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXERCISE APPROPRIATE PRECAUTIONS/SAFETY MEASURES, PERFORM TESTING AND TO CONFORM WITH ALL REGULATORY REQUIREMENTS AS WELL AS ENSURE WORKERS' SAFETY.
- THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGES INCURRED AS A RESULT OF THE PROPOSED WORK.

Benchmark Contractor to contact Teljus, BC Hydro, FortisBC and BC one call prior to construction to confirm locations of utilities and appurtenances requiring adjustment. Plot Date: April 2, 2026	 DMD & Associates Electrical Consultants Ltd. #12-1798 104A Avenue, Surrey, BC, Canada V4N 1M3 www.dmdeng.com 604-599-0710 offices@dmdeng.com Fax: 604-586-8012 DMD PROJECT No. 8358-24-04 of 04	ACCEPTED FOR CONSTRUCTION Date: _____ Manager of Development Servicing	 Engineering & Public Works 3000 Guildford Way, Coquitlam, B.C., V3B 7N2	PERMIT TO PRACTICE Signature: _____ Date: 02-04-2026 PERMIT NUMBER: 1000771 The Association of Professional Engineers and Geoscientists of British Columbia	 Design by: _____ Date: 12-12-2024 Drawn by: _____ Date: 12-12-2024 Checked by: _____ Date: 12-12-2024 Approved by: _____ Date: 12-12-2024 Scale: AS NOTED Sheet of 4 OF 4 Eng. Project No. _____	Project: GUILDFORD WAY LANSDOWNE DRIVE Description: TRAFFIC SIGNAL MODIFICATIONS File: 8358-24
		Revisions: 1. 02-04-2026 BG ADDENDUM #1 - POLE 2 LOCATION AND POLE TYPE CHANGE 2. 05-03-2026 BG ISSUED FOR TENDER 3. 21-01-2026 BG DETAILED SUBMISSION	Design by: _____ Date: 12-12-2024 Drawn by: _____ Date: 12-12-2024 Checked by: _____ Date: 12-12-2024 Approved by: _____ Date: 12-12-2024			