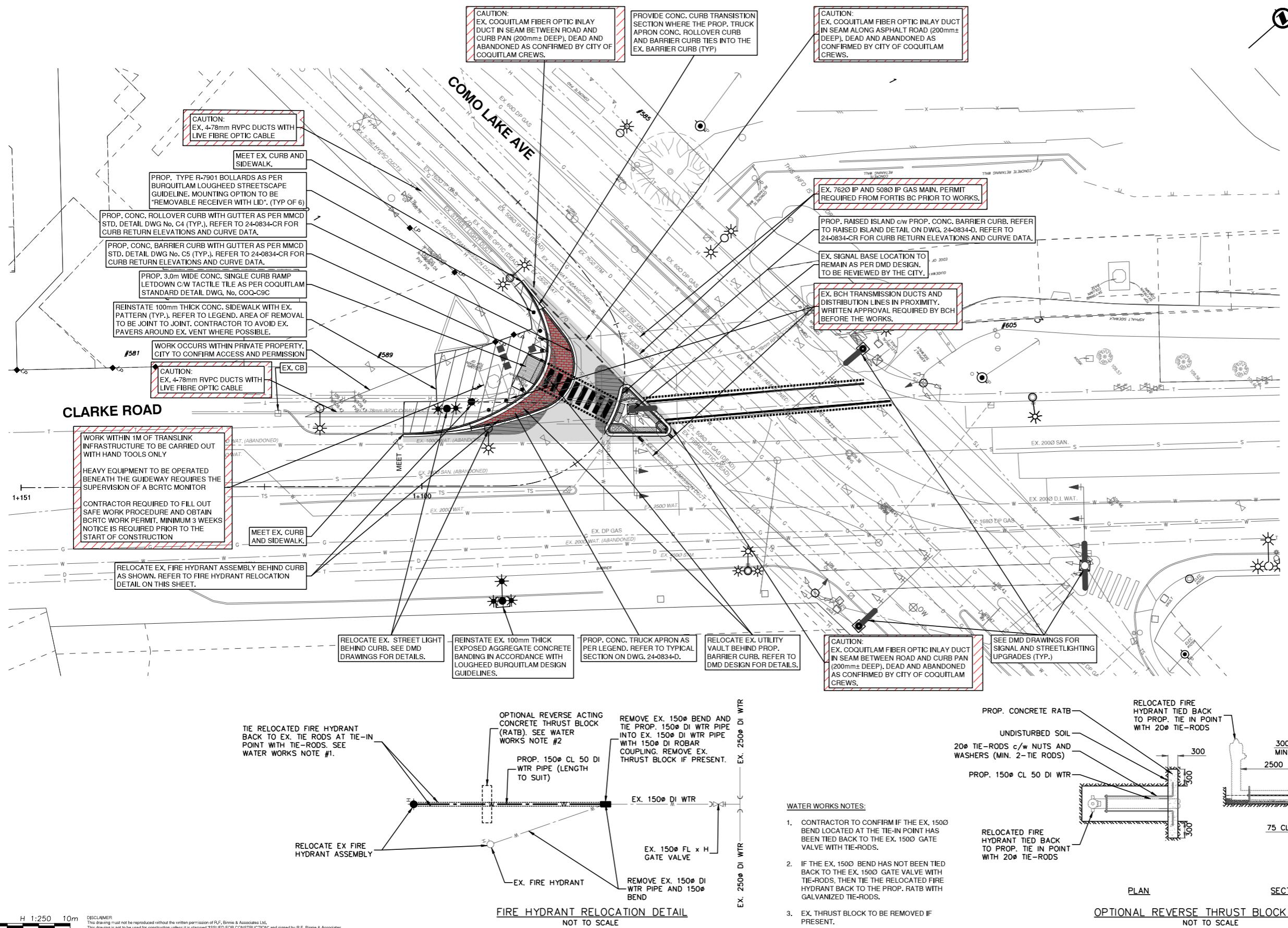


BENCHMARK:
GEODETIC ELEVATIONS ARE DERIVED FROM
G.P.S. OBSERVATION AT CUX 8074,
ELEV. = 109.441m
DATUM IS [CGVD28 (GVRD 2018)]



OPTIONAL REVERSE THRUST BLOCK (RATB) NOT TO SCALE

WATER WORKS NOTES:

- CONTRACTOR TO CONFIRM IF THE EX. 150° BEND LOCATED AT THE TIE-IN POINT HAS BEEN TIED BACK TO THE EX. 150° GATE VALVE WITH TIE-RODS.
- IF THE EX. 150° BEND HAS NOT BEEN TIED BACK TO THE EX. 150° GATE VALVE WITH TIE-RODS, THEN TIE THE RELOCATED FIRE HYDRANT BACK TO THE PROP. RATB WITH GALVANIZED TIE-RODS.
- EX. THRUST BLOCK TO BE REMOVED IF PRESENT.

PLAN

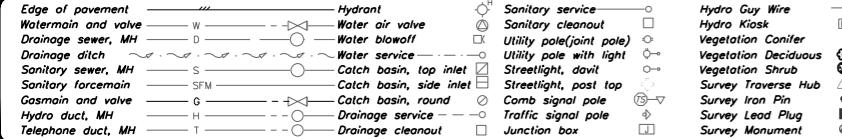
SECTION



EGBC PERMIT No. 1001128

NOT FOR CONSTRUCTION

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Edge of pavement	Hydrant	Sanitary service
Watermain and valve	Hydrant air valve	Sanitary cleanout
Drainage sewer, MH	Water blowoff	Hydro Kiosk
Drainage ditch	Water service	Utility pole/joint pole
Sanitary sewer, MH	Catch basin, top inlet	Utility pole with light
Sanitary foremain, MH	Catch basin, side inlet	Vegetation Conifer
Gasmain and valve	Catch basin, round	Vegetation Deciduous
Telephone duct, MH	Comb signal pole	Streetlight, dowl
	Traffic signal pole	Survey Traverse Hub
	Survey Lead Plug	Survey Iron Pin
	Junction box	Survey Monument

No.	Date	Design by	Date
6	10/28/2025	SV	02/14/2025
5	07/18/2025	REISSUED FOR TENDER	
5	06/11/2025	PD	REISSUED FOR TENDER
4	05/20/2025	PD	ISSUED FOR TENDER
3	05/20/2025	SL	DRAFT 100% SUBMISSION - ISSUED FOR REVIEW
2	04/11/2025	SL	90% SUBMISSION - ISSUED FOR REVIEW
1	03/21/2025	SL	PRELIMINARY DESIGN SUBMISSION
No.	Date	Drawn by	Date
		GZ	02/14/2025
		Checked by	Date
		WV	03/21/2025
		Approved by	Date
		PD	03/21/2025

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TEL 604 420 1721 BINNIE.com

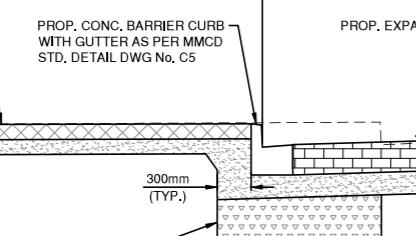
Coquitlam
Engineering & Public Works
3000 Guildford Way, Coquitlam, B.C. V3B 7N2

Scale horiz. 1:250 Scale vert. 1:25
Sheet 01 of 05
Eng. Project No. 24-0834
File No. 24-0834-R1

Project CLARKE RD AND COMO LAKE AVE
INTERSECTION IMPROVEMENTS
ROADWORKS
24-0834-R1
Page 6
Plot Date: October 28, 2025

EX. SIDEWALK RECONSTRUCTION ZONE:

- REMOVE EXIST. CONCRETE SIDEWALK.
- ADD GRANULAR BASE AS REQUIRED. REGRADE AND RECOMPACT TO 95% MODIFIED PROCTOR DENSITY.
- REINSTATE WITH 100mm THICK CONCRETE SIDEWALK. MATCH EX. SIDEWALK COLOR AND PATTERN (TYP.) IN ACCORDANCE WITH LOUGHHEED BURQUITLAM DESIGN GUIDELINES (SAWCUT CONC. SIDEWALK IN 0.36m X 0.36m SQUARE PATTERN WITH EXPOSED AGGREGATE CONCRETE BANDING).



ROAD WIDENING ZONE:

- SAW CUT AND REMOVE EX. CONC. CURB AND EX. CONC. SIDEWALK. EXCAVATE TO DESIGN SUBGRADE AND RECOMPACT SUBGRADE TO 95% MODIFIED DENSITY. PROOF ROLL EXPOSED SURFACE AND OVEREXCAVATE AS DIRECTED BY CA.
- RECONSTRUCT ZONE WITH:
 - 200mm THICK COLORED STAMPED CONCRETE
 - 150mm - 25mm MINUS CRUSHED GRANULAR BASE COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
 - 300mm - 75mm MINUS CRUSHED GRANULAR SUB-BASE COMPACTED TO 95% MODIFIED PROCTOR DENSITY
 - 75mm MINUS CRUSHED GRANULAR SUB-BASE COMPACTED TO 95% MODIFIED PROCTOR DENSITY AS REQUIRED FOR OVER EXCAVATION AS DIRECTED BY CA.

PROP. CONCRETE TRUCK APRON CONSTRUCTION ZONE:

- SAW CUT AND REMOVE ASPHALT. EXCAVATE TO DESIGN SUBGRADE AND RECOMPACT SUBGRADE TO 95% MODIFIED DENSITY. PROOF ROLL EXPOSED SURFACE AND OVER EXCAVATION AS DIRECTED BY CA.
- RECONSTRUCT ZONE WITH:
 - 200mm THICK COLORED STAMPED CONCRETE
 - 150mm - 25mm MINUS CRUSHED GRANULAR BASE COMPACTED TO 95% MODIFIED PROCTOR DENSITY
 - 75mm MINUS CRUSHED GRANULAR SUB-BASE COMPACTED TO 95% MODIFIED PROCTOR DENSITY AS REQUIRED FOR OVER EXCAVATION AS DIRECTED BY CA.

EX. ROAD RECONSTRUCTION ZONE:

- REMOVE EXISTING ASPHALT.
- REMOVE EXISTING BASE GRAVELS AS REQUIRED TO ACCOMMODATE PROP. GRADES, REGRADE AND RECOMPACT EX BASE GRAVELS TO 95% MODIFIED PROCTOR DENSITY.
- REPAVE WITH:
 - 50mm - MMCD UPPER COURSE #1 ASPHALT IN ONE LIFT
 - 75mm (MIN.) - MMCD LOWER COURSE #1 ASPHALT THICKNESS IF THICKER THAN 75mm.

ROAD WIDENING ZONE:

- SAW CUT AND REMOVE EX. ASPHALT AND EX. RAISED ISLAND. EXCAVATE TO DESIGN SUBGRADE AND RECOMPACT SUBGRADE TO 95% MODIFIED DENSITY. PROOF ROLL EXPOSED SURFACE AND OVEREXCAVATE AS DIRECTED BY CA.
- RECONSTRUCT ZONE WITH:
 - 50mm - UPPER COURSE #1 ASPHALT
 - 75mm (MIN.) - LOWER COURSE #1 ASPHALT. MATCH EX. ASPHALT THICKNESS IF THICKER THAN 75mm.
 - 125mm - 25mm MINUS CRUSHED GRANULAR BASE COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
 - 300mm - 75mm MINUS CRUSHED GRANULAR SUB-BASE COMPACTED TO 95% MODIFIED PROCTOR DENSITY
 - 75mm MINUS CRUSHED GRANULAR SUB-BASE COMPACTED TO 95% MODIFIED PROCTOR DENSITY AS REQUIRED FOR OVER EXCAVATION AS DIRECTED BY CA.

PROP. MIN. 125mm THICK GRANULAR BASE COMPACTED TO 95% MODIFIED PROCTOR DENSITY

PROP. 100mm THICK GRANULAR BASE COMPACTED TO 95% MODIFIED PROCTOR DENSITY

CAUTION: EX. COQUITLAM FIBER OPTIC INLAY DUCT IN SEAM BETWEEN ROAD AND GUTTER (200mm DEEP), DEAD AND ABANDONED AS CONFIRMED BY CITY OF COQUITLAM CREWS

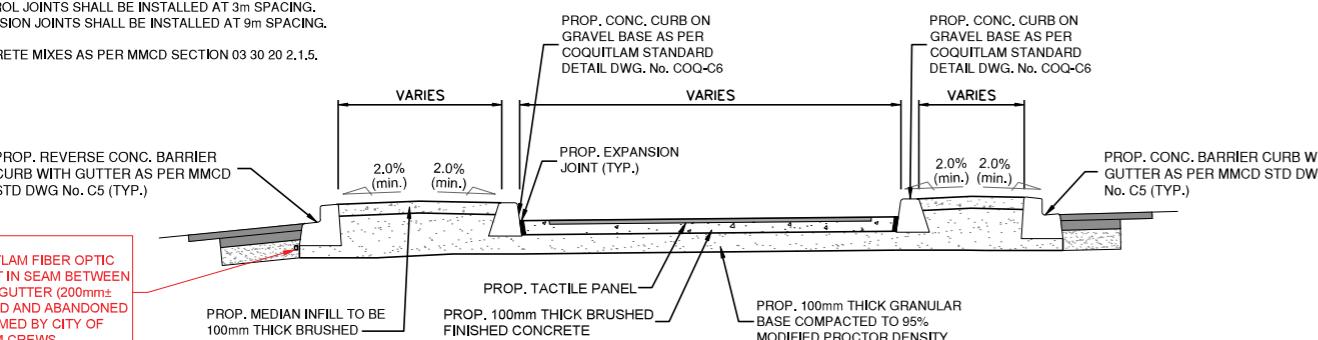
CURB CONSTRUCTION ZONE:

- SAW CUT AND REMOVE EXISTING ASPHALT. EXCAVATE TO DESIGN SUBGRADE AND RECOMPACT SUBGRADE TO 95% MODIFIED DENSITY.
- RECONSTRUCT ZONE WITH:
 - 50mm - UPPER COURSE #1 ASPHALT
 - 75mm (MIN.) - LOWER COURSE #1 ASPHALT. MATCH EX. ASPHALT THICKNESS IF THICKER THAN 75mm.
 - 125mm - 25mm MINUS CRUSHED GRANULAR BASE COMPACTED TO 95% MODIFIED PROCTOR DENSITY.

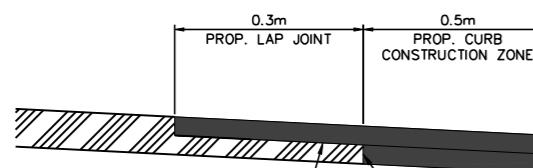
PROP. CONCRETE TRUCK APRON NOTES:

1. SHALL BE 200mm THICK STAMPED AND COLORIZED CONCRETE USING DAVID BRICK RED-RIVER ROCK PATTERN.
2. CONCRETE SHALL HAVE A MIN. 28 DAY COMPRESSIVE STRENGTH OF 32 MPa.
3. CONTROL JOINTS SHALL BE INSTALLED AT 3m SPACING. EXPANSION JOINTS SHALL BE INSTALLED AT 9m SPACING.
4. CONCRETE MIXES AS PER MMCD SECTION 03 30 20 2.1.5.

CAUTION: EX. COQUITLAM FIBER OPTIC INLAY DUCT IN SEAM BETWEEN ROAD AND GUTTER (200mm DEEP), DEAD AND ABANDONED AS CONFIRMED BY CITY OF COQUITLAM CREWS.



TYPICAL PROP. RAISED ISLAND SECTION A-A
NOT TO SCALE

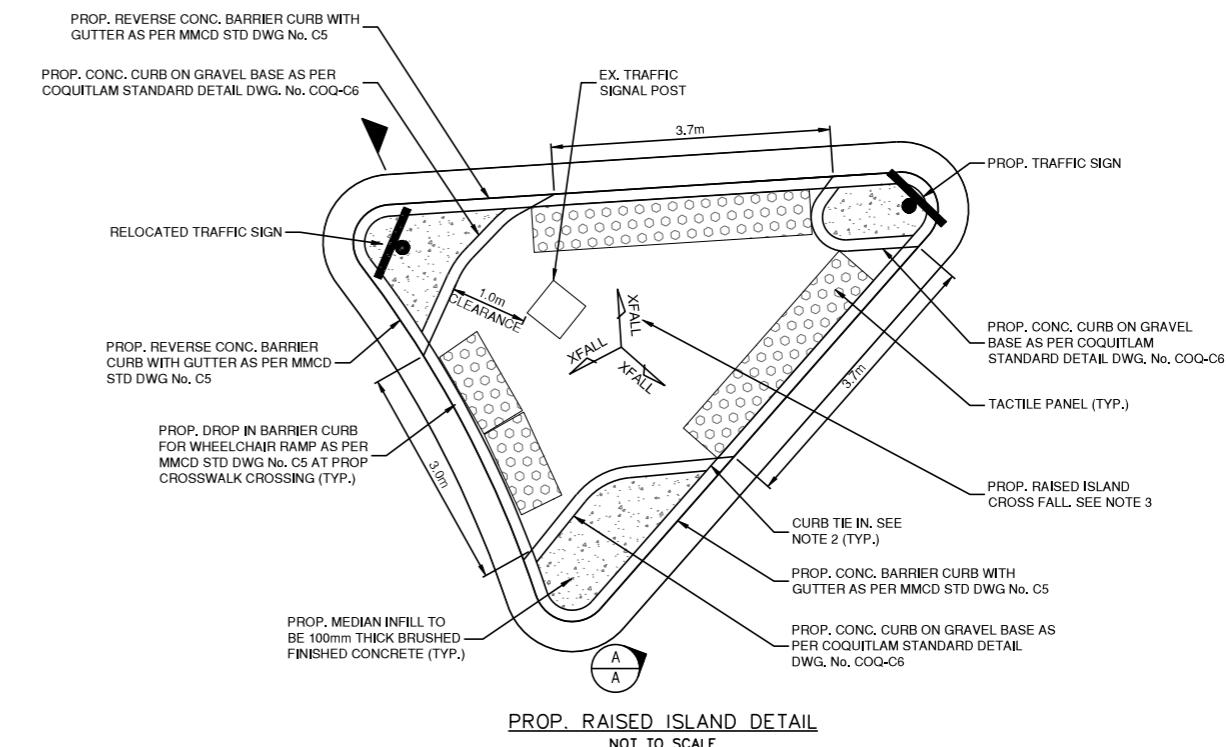


TYPICAL PAVEMENT JOINT DETAIL
NOT TO SCALE

BENCHMARK:
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DATUM IS CGVD28 (GVRD 2018)

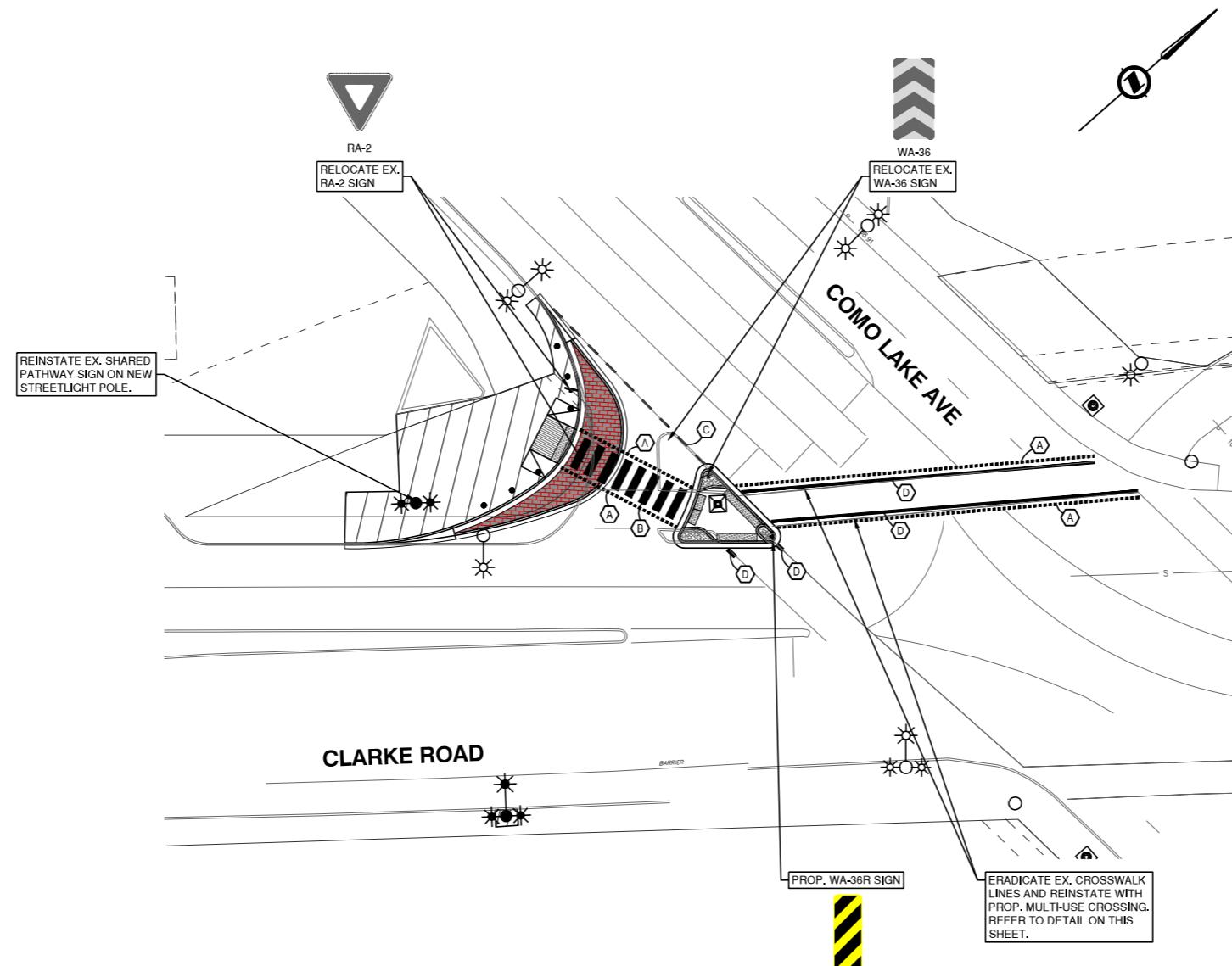
NOTES:

1. TACTILE PANELS TO BE ADA SOLUTIONS CAST IN PLACE REPLACEABLE PANELS. TACTILE PANEL TO BE COLOUR YELLOW. PANELS TO BE 600mm DEEP WITH INSTALLED LENGTHS MATCHING THE WIDTH OF RAMP OPENING. ADJUST INDIVIDUAL PANELS AS NECESSARY TO MATCH THE RADIUS OF MEDIAN WHERE APPROPRIATE.
2. ROUND AND SMOOTHEN EDGE OF CONCRETE BARRIER CURB TO PROVIDE A SMOOTH TRANSITION AT CURB TIE IN.
3. MINIMUM CROSS FALL TO BE 2.0%.



PROP. RAISED ISLAND DETAIL
NOT TO SCALE

BENCHMARK:
GEODETIC ELEVATIONS ARE DERIVED FROM
C.P.S. OBSERVATION AT CUX 8074,
ELEV. = 109.441M
DATUM IS [CGVD28 (GVRD 2018)]



KEY NOTES - PAVEMENT MARKING

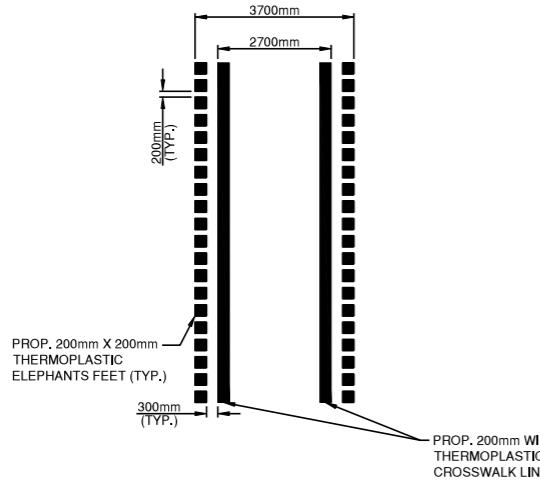
- (A) NEW 200mm WIDE ELEPHANTS FEET CYCLE CROSSING LINES (2:2) AS PER MUTCD FIGURE C1-3.
- (B) NEW 2.5m WIDE ZEBRA CROSSWALK AS PER MUTCD FIGURE C1-1.
- (C) NEW 100mm WIDE SINGLE DASHED WHITE LINE (1:1) AS PER MUTCD FIGURE C1-1.
- (D) REINSTATE 200mm WIDE SINGLE SOLID WHITE CROSSWALK LINES AS PER MUTCD FIGURE C1-3.

*ALL PAVEMENT MARKINGS THERMOPLASTIC



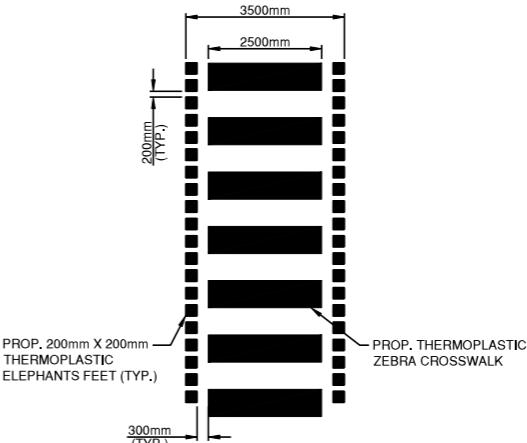
GENERAL NOTES - PAVEMENT MARKING

1. ALL PAVEMENT MARKINGS TO BE AS PER THE CURRENT EDITION OF THE T.A.C. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR CANADA (M.U.T.C.D.).
2. REFER TO M.U.T.C.D FIGURE C1-1 FOR PAVEMENT MARKINGS WIDTHS, SPACING AND COLOUR.
3. NEW PAVEMENT MARKINGS TO BE THERMOPLASTIC.
4. EXISTING SIGNS NOT PERTINENT TO NEW ROAD SHALL BE RETURNED TO CITY OF COQUITLAM WORKS YARD.



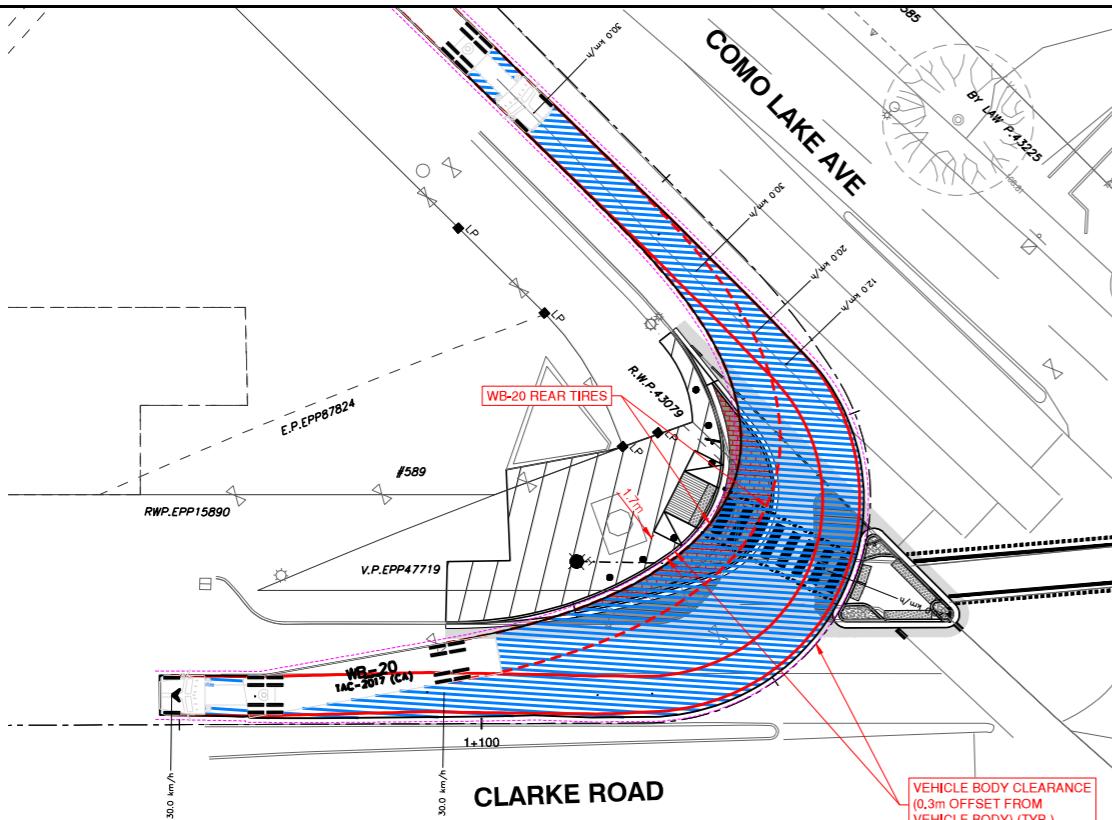
PROP. MULTI-USE CROSSING WITH TWIN PARALLEL LINE CROSSWALK DETAIL

SCALE: N.T.S.

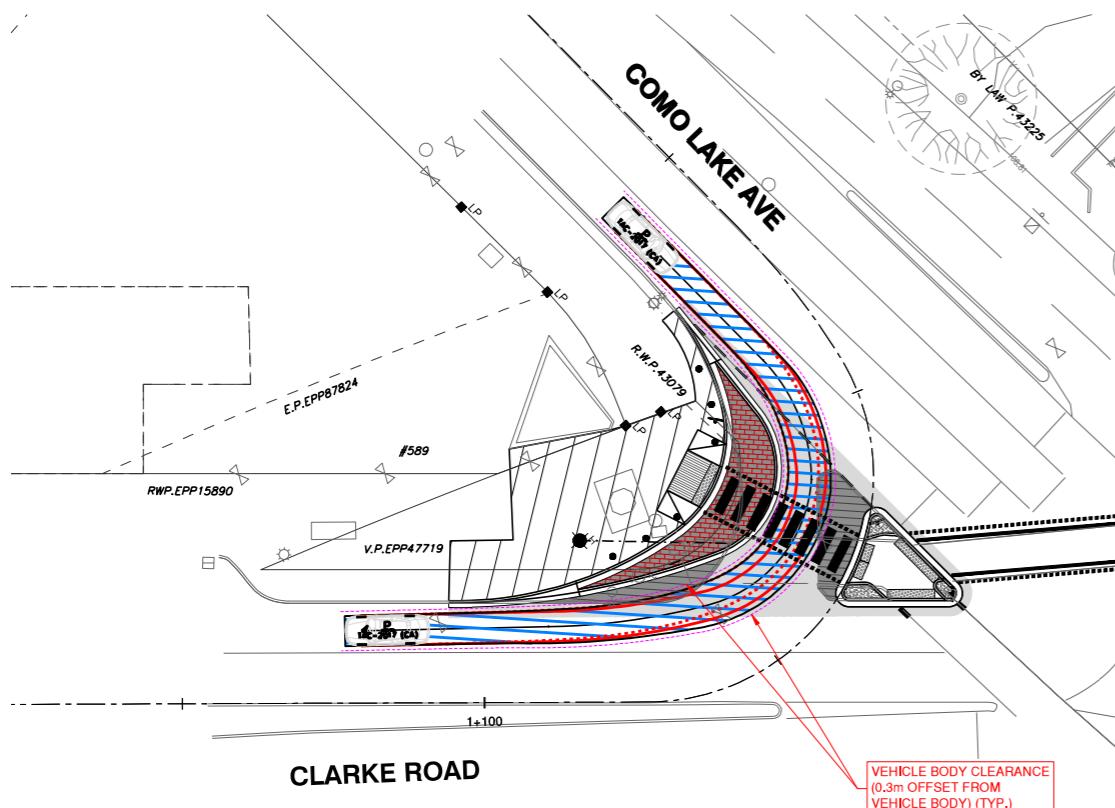


PROP. MULTI-USE CROSSING WITH ZEBRA CROSSWALK DETAIL

SCALE: N.T.S.



WB-20 TURNING - USING SECOND LATHE



CLABKE ROAD

PASSENGER CA

0 1:250 10m DISCLAIMER: This drawing must not be reproduced without the written permission of R.F. Binnie & Associates Ltd. This drawing is not to be used for construction unless it is stamped 'ISSUED FOR CONSTRUCTION' and signed by R.F. Binnie & Associates Ltd. It is the contractor's responsibility to ensure that he is in possession of the latest revision of this drawing.

Edge of pavement	~~~	Hydrant	○	Sanitary service	○	Hydro Guy Wire
Watermain and valve	W	○	Water air valve	○	Sanitary cleanout	□
Drainage sewer, MH	D	○	Water blowoff	○	Utility pole(joint pole)	○
Drainage ditch	~	~	Water service	○	Utility pole with light	○
Sanitary sewer, MH	S	○	Catch basin, top inlet	□	Streetlight, dowl	○
Sanitary forcemain	SFM	○	Catch basin, side inlet	○	Streetlight, post top	○
Gasmain and valve	G	○	Catch basin, round	○	Corner signal pole	○
Hydro duct, MH	H	○	Drainage service	○	Traffic signal pole	○
Telephone duct, MH	T	○	Drainage cleanout	○	Junction box	□

No.	Date	By	Revisions
5	07/18/2025	PD	REISSUED FOR TENDER
4	06/11/2025	PD	ISSUED FOR TENDER
3	05/20/2025	SL	DRAFT 100% SUBMISSION - ISSUED FOR REVIEW
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1	03/21/2025	GZ	PRELIMINARY DESIGN SUBMISSION

Design by	Date
GZ	02/14/2025
Drawn by	Date
GZ	02/14/2025
Checked by	Date
WC	03/21/2025
Approved by	Date
PD	03/21/2025



Coquitlam

Engineering & Public Works

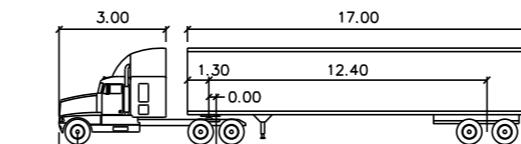
Scale 1:250 Scale 1:250
horiz. vert.
Sheet 05 of 05
Eng. Project No. 24-0834

ct CLARKE RD AND COMO LAKE AVE
INTERSECTION IMPROVEMENTS
cription VEHICLE MOVEMENTS

EGBC PERMIT No. 1001128

NOT FOR CONSUMPTION

BENCHMARK:
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G.P.S. OBSERVATION AT CUX 8074,
ELEV. = 109.441m
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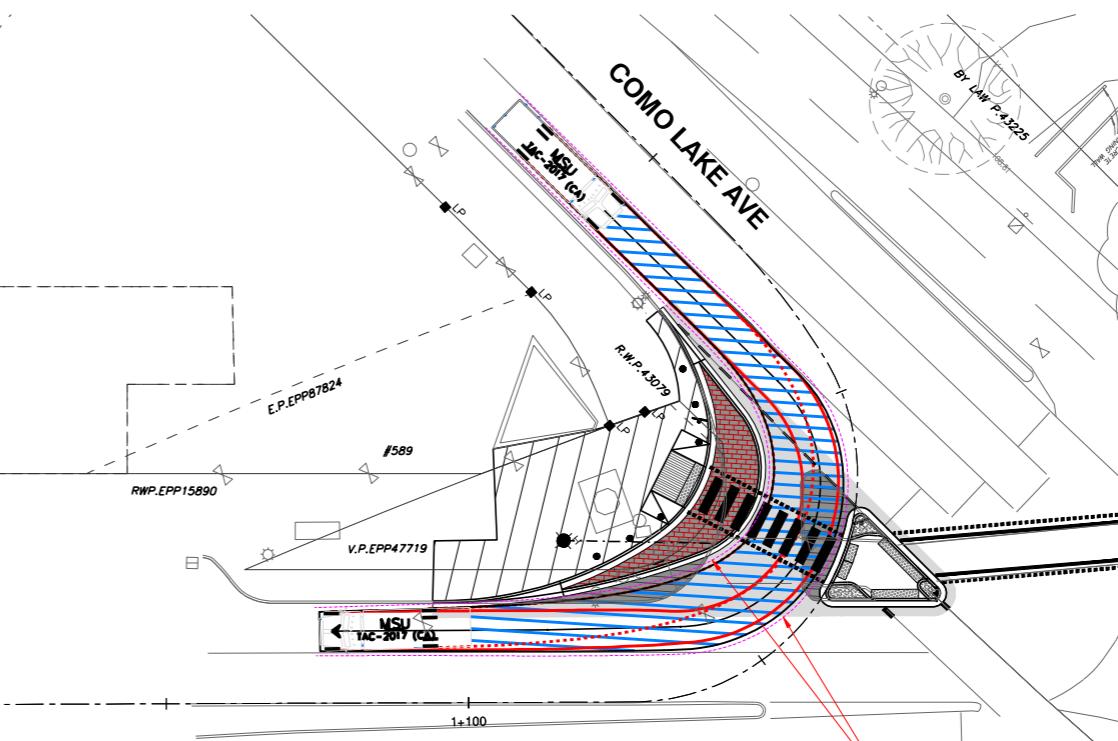


0.80

meters			
Tractor Width	: 2.60	Lock to Lock Time	: 6.0
Trailer Width	: 2.60	Steering Angle	: 28
Tractor Track	: 2.60	Articulating Angle	: 70
Trailer Track	: 2.60		



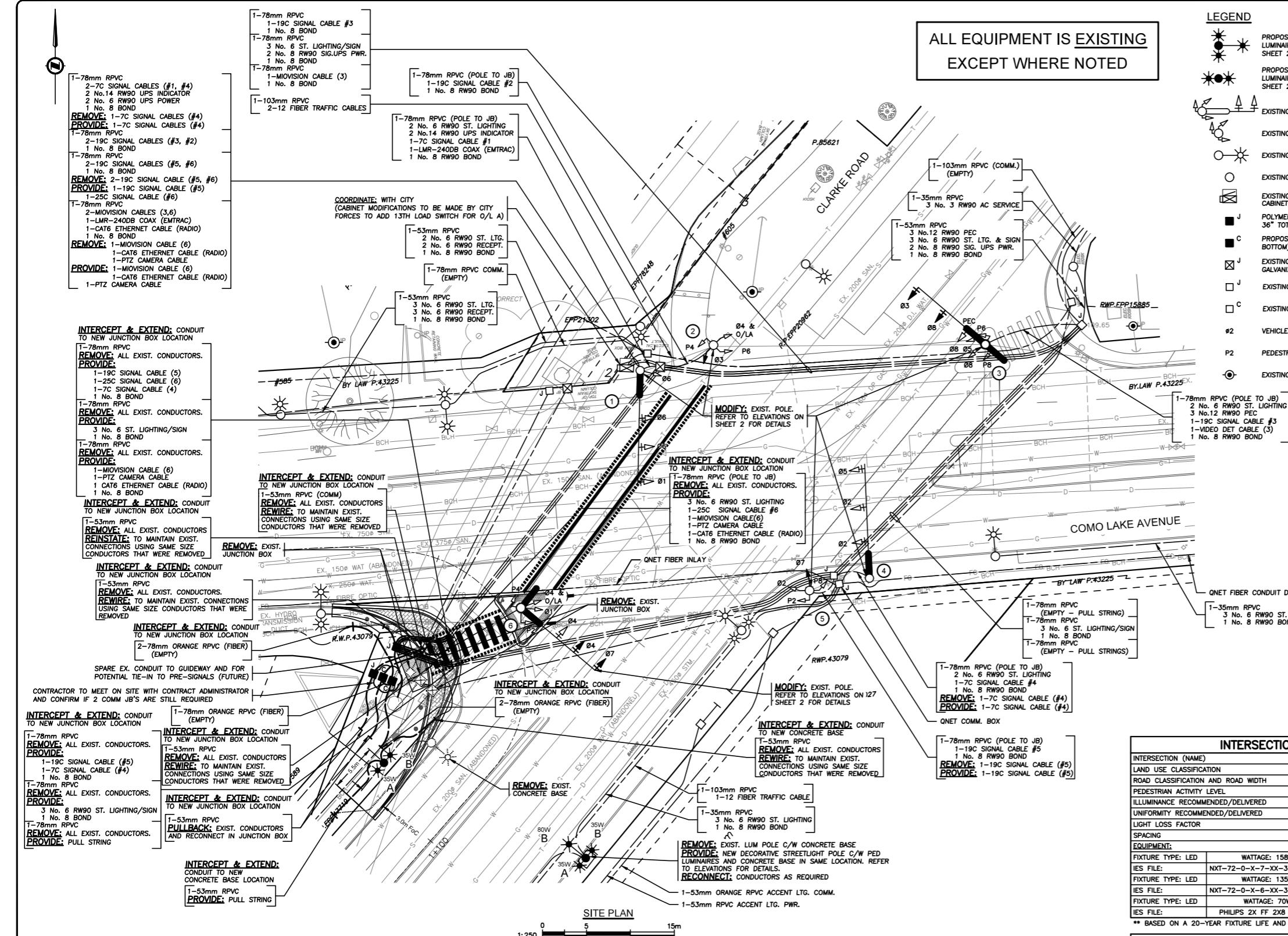
SPEED PROFILE REPORT



CLABKE ROAD

VEHICLE BODY CLEARANCE
(0.3m OFFSET FROM
VEHICLE BODY) (TYP.)

CLARKE RD AND COMO LAKE AVE
INTERSECTION IMPROVEMENTS
VEHICLE MOVEMENTS
24-0834-VM1



**CONTRACTOR TO COMPLETE WorkSafeBC
30M33 FORM BEFORE PROCEEDING WITH
ANY WORKS AT THIS SITE**

CONTRACTOR TO REFER TO TRANSLINK
NOTES ON PAGE 3 PRIOR TO ANY WORK
WITHIN SKYTRAIN LIMITS OF APPROACH

OVERHEAD POWER LINE CONFLICTS
CONTRACTOR SHALL CONFIRM ON SITE PRIOR TO COMMENCEMENT OF WORK THAT POLES & EQUIPMENT WILL NOT OBSTRUCT POWER LINES. CONTRACTOR SHALL MAINTAIN A MINIMUM CLEARANCE OF 10 FEET FROM ALL POWER LINES. CONTRACTOR SHALL REPORT ANY CONFLICTS OR DISCREPANCIES TO GMD & ASSOCIATES PRIOR TO ORDERING POLES.

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.

LOCATING EQUIPMENT

ALITY CONDUITS, JUNCTION BOXES AND
IGHT POLES MAY NOT BE SHOWN AT DESIGN
SETS. CONTRACTOR SHALL LOCATE ALL
IT BASED ON STATIONS AND/OR OFFSETS AS
AND SHALL NOT RELY ON COORDINATES
AINED FROM DMD DIGITAL DRAWINGS.
TRACTOR TO REPORT ANY CONFLICTS OR
SCRENCIES TO DMD & ASSOCIATES
PRIOR TO ORDERING EQUIPMENT

CAUTION!
EXCAVATION NEAR OVERHEAD UTILITY POLE
ANY UNDERGROUND EXCAVATION WITHIN SOIL
STABILIZATION INTERACTION AREA REQUIRES TEMPORARY
POLE SUPPORT. REFER TO ES55 E3-04 GUIDE FOR
VERTICAL EXCAVATION NEAR DISTRIBUTION POLES FOR
DETAILS. REFER TO BC HYDRO WORK ON WOOD POLES
MANUAL (ONSAFEHUB) AND BC HYDRO 2017-1-F POLE
STABILIZATION REQUIREMENTS FOR APPROVED TEMPORARY
POLE SUPPORT METHODS. FOR MORE INFORMATION
CONTACT workmethods@bchydro.com

ROADWAY LIGHTING DESIGN CRITERIA PER: (CITY BYLAW 3558)					
STREET NAME(S)	CLARKE ROAD				
LAND USE CLASSIFICATION	COMMERCIAL				
ROAD CLASSIFICATION & WIDTH	ARTERIAL - 17.4m				
PEDESTRIAN ACTIVITY	HIGH				
MINIMUM LUMINANCE RECOMMENDED/DELIVERED	18.0 LUX	20.4 LUX			
IFORMITY RECOMMENDED/DELIVERED (AVG:MIN)	3.0:1	3.0:1			
LT LOSS FACTOR	0.84				
INCING	32.0m (STAGGERED)				
IMENT:					
TURE TYPE: LED	WATTAGE: 80W	MTG. HEIGHT: 8.3m	DIST TYPE: LE3S		
FILE: TR-B8048LED4K-G3-LE3S	MODEL: LUMEC TRANSIT SERIES				
TURE TYPE: LED	WATTAGE: 70W	MTG. HEIGHT: 8.3m	DIST TYPE: TYPE 3		
FILE: PHILIPS 2X8 FT 228 840 G4	MODEL: PHILIPS FAST FLEX				

BC
1
CALL
1-800-474-6886
or by **CELLULAR 40885**
Vancouver Area 257-5410



COQ. ASBUILT No.
EXXXX

AFFIC SIGNAL NOTES

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.

CONDUCTORS INSIDE POLES SHALL BE:
No. 14 RW90 X-LINK FOR SIGNALS
No. 12 RW90 X-LINK FOR ALL OTHERS

EXACT POSITION OF ALL EQUIPMENT WILL BE LAYED OUT BY THE CITY REPRESENTATIVE.

ALL SINGLE CONDUCTORS SHALL BE STRANDED COPPER, TYPE RW90 INSULATED AND COLOR CODED.

EMPTY CONDUITS SHALL HAVE A No.8 HB POLY YELLOW/GRN MIL PULL STRING AND CAPPED AT BOTH ENDS AS PER COQUITLAM SUPPLEMENTARY DRAWING SS-E2.5 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 SHALL BE ATTACHED NO FURTHER THAN 75mm FROM WIRE OR CABLE TERMINATION POINT.

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

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.

ALL CONDUITS ENTERING POLES AND CABINETS SHALL BE SEALED WITH "DUCT SEAL". CONTRACTOR IS REQUIRED TO PROVIDE 72 HOURS NOTICE PRIOR TO ANY CONSTRUCTION.

TRAFFIC CONTROL IS REQUIRED TO CITY STANDARDS. (MOTH)

INSTALL BELL END FITTING ON ALL CONDUITS ENTERING JUNCTION BOXES.

INSTALL HANGER BAR & TY-RAP WIRES TO BAR IN JUNCTION BOXES AS PER MMCD DRAWING COQUITLAM SUPPLEMENTARY DRAWING SS-E2.5.

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.

BOND ALL IMPACTED STEEL JUNCTION BOX LIDS.

CONTRACTOR SHALL REPLACE ALL ASPHALT, CONCRETE SIDEWALKS, LANDSCAPE AND WHEELCHAIR RAMPS REMOVED FOR THE INSTALLATION OF THE SIGNAL AND COMM EQUIPMENT, AND RESTORE TO THE SAME OR BETTER CONDITION.

ALL ELECTRICAL PRODUCTS SHALL BEAR CSA/ETC APPROVALS OR BC ELECTRICAL INSPECTION PRIOR TO INSTALLATION.

SIGNAL WIRING SHALL BE TAGGED AND LABELED USING PANDUIT MP250-C TAGS AND THE APPROPRIATE PANDUIT INDELIBLE MARKER.

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.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE ADEQUACY OF THE EXISTING STREET LIGHTING, SERVICE, CONDUIT AND CONDUCTORS AND MAKE ALL NECESSARY REPAIRS TO ADEQUATELY COMPLETE ALL CONNECTIONS INTO THE EXISTING STREET LIGHTING SYSTEM.

ALL CONDUITS SHALL BE RIGID P.V.C. MANUFACTURED IN ACCORDANCE WITH C.S.A. C22.2 NO. 211.2. (NOT DB2).

CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND LICENSES PRIOR TO CONSTRUCTION AND BE SUBJECT TO APPROVAL OF THE MUNICIPAL ELECTRICAL INSPECTOR.

ALL NEW MATERIALS SHALL BE RAL 9005 BLACK

NOT FOR CONSTRUCTION
2025-06-11

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

DO NOT USE THIS DRAWING FOR PAVEMENT MARKINGS

THERE SHALL BE NO SPLICING OF CONDUCTORS & CABLES IN
JUNCTION BOXES WITH THE EXCEPTION OF ST. 1 TG.

REFER TO THE CITY OF COQUITLAM TRAFFIC SIGNAL APPROVED PRODUCTS LIST FOR ALL EQUIPMENT DETAILS

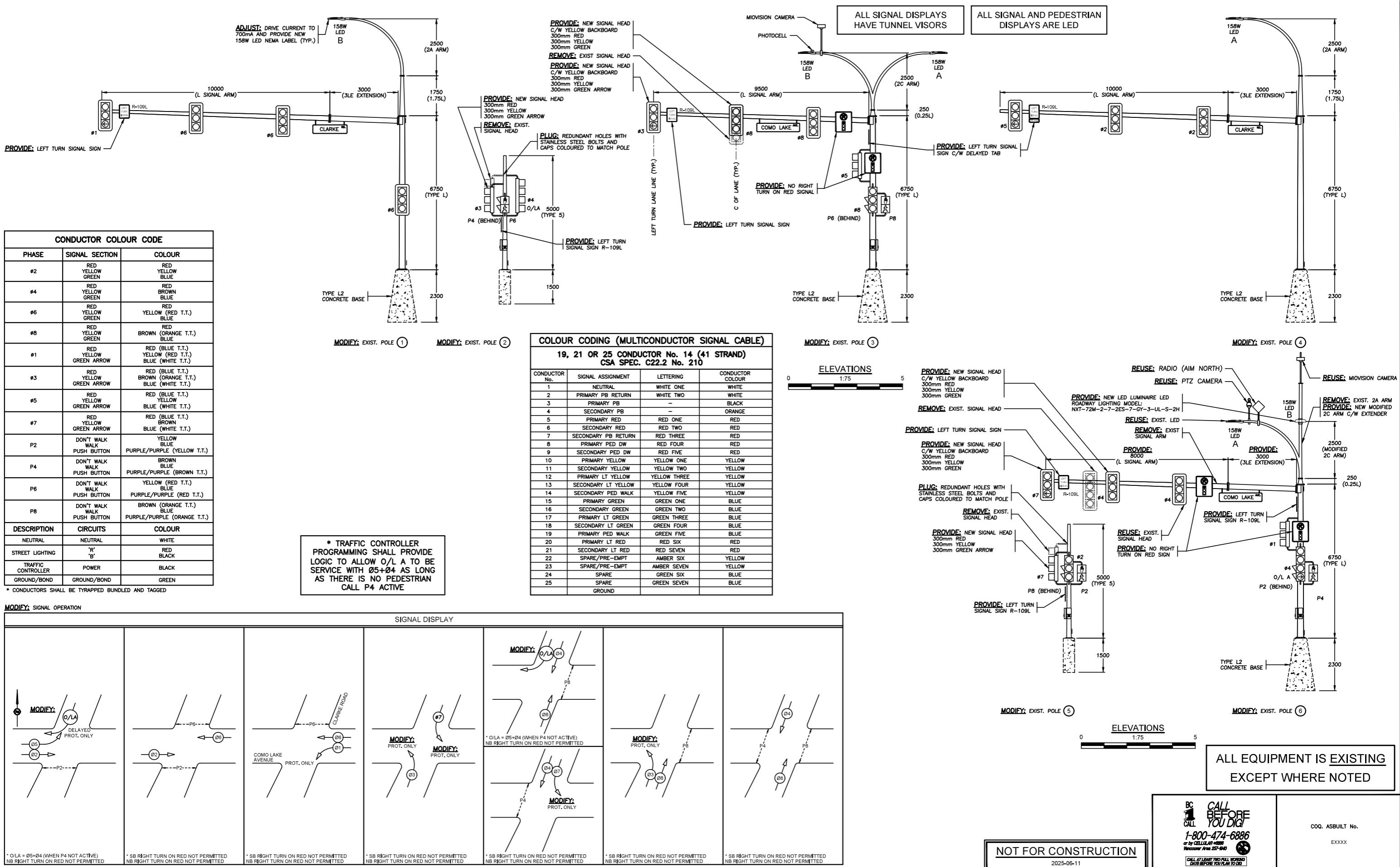
CONTRACTOR SHALL OBTAIN A COPY OF THE CITY OF COQUITLAM TRAFFIC SIGNAL AND ROADWAY SUPPLEMENTAL SPECIFICATIONS PRIOR TO CONSTRUCTION.

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.

BC
1
CALL
BEFORE
YOU DIG!
1-800-474-6886
or by CELLULAR 604-888-
Vancouver Area 257-5400
EXXX

Project **COMO LAKE AVENUE
AND CLARKE ROAD**

Description **TRAFFIC SIGNAL MODIFICATION**



Benchmarks



**DMD & Associates
Electrical Consultants Ltd.**
#12-17358 104A Avenue, Surrey, BC, Canada V4N 5M1
www.dmdeng.com 604/589-9011
office@dmdeng.com Fax 604/589-9012

4	2025-05-11	CB	ISSUED FOR TENDER
3	2025-05-14	CB	100% SUBMISSION
2	2025-04-11	CB	90% SUBMISSION
1	2025-02-25	CB	50% SUBMISSION
*1		CB	

ACCEPTED FOR
CONSTRUCTION
Date: _____



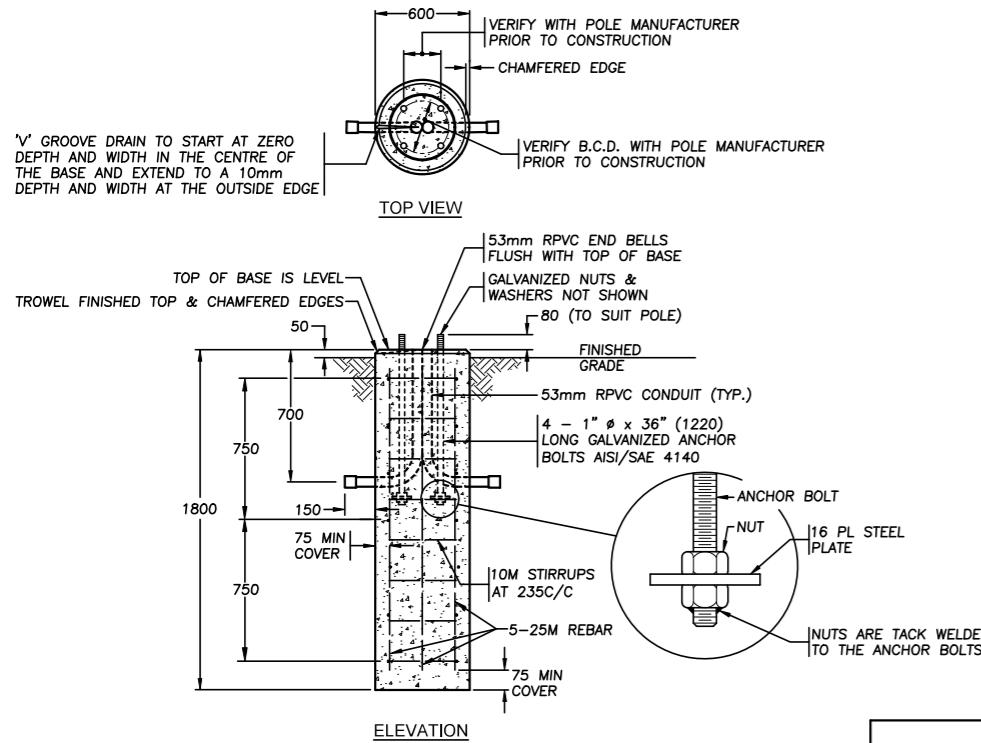
PERMIT TO PRACTICE	
Signature:	_____
Date:	_____
PERMIT NUMBER: <u>1000771</u>	
The Association of Professional Engineers	



Design by CB	Date 21-02-2025	Scale 1.75
Drawn by EK	Date 10-02-2025	Sheet of 2 Of 3
Checked by MC	Date 25-02-2025	Eng. Project No. _____
Approved by XX	Date DD/MM/XXXX	

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8405.25

COMO LAKE AVENUE AND CLARKE ROAD TRAFFIC SIGNAL MODIFICATION

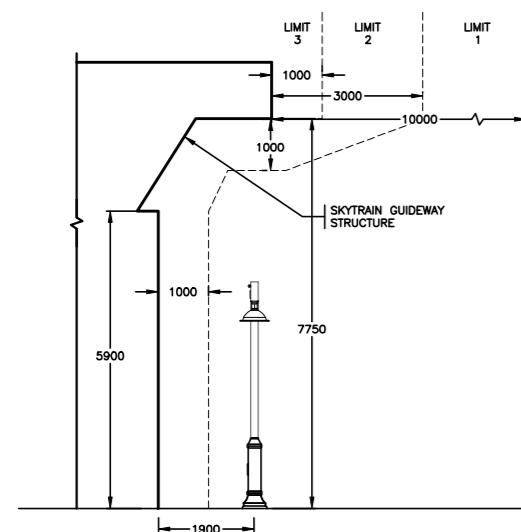


NOTES (APPLY TO SPECIAL SONOTUBE FOUNDATION):

1. ALL HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH CAN/CSA G14-M92
2. APPLY LUBRILATE OR OTHER SUITABLE GREASE TO EXPOSED PORTION OF ANCHOR BOLTS AND NUTS PRIOR TO POLE INSTALLATION
3. CONCRETE TO HAVE A MINIMUM STRENGTH OF 30MPa AT 28 DAYS.
4. FOOTINGS ARE DESIGNED FOR SOILS WITH A MINIMUM ALLOWABLE BEARING PRESSURE OF 125kPa.
5. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
6. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MINISTRY STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2012 ISSUE) UNLESS OTHERWISE NOTED ON THESE DRAWINGS OR IN THE SPECIAL PROVISIONS.
7. BACKFILL SHALL BE S.G.S.B. IN ACCORDANCE WITH SECTION 202 OF BC MGTI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. BACKFILL SHALL BE PLACED AND COMPAKTED IN LAYERS NO MORE THAN 150mm THICK TO 100% STANDARD PROCTOR MAXIMUM DENSITY (ASTM D-698).
8. CONTRACTOR SHALL PROVIDE ALL MEANS NECESSARY TO ENSURE THAT EXCAVATIONS SHALL REMAIN DRY DURING CONSTRUCTION.
9. ALL EXPOSED EDGES SHALL BE CHAMFERED 20 x 20 U.N.O.
10. CONFIRM ANCHOR BOLTS AND THEIR PLAN ORIENTATION PRIOR TO SETTING IN CONCRETE FORMS.

ELEVATION

SPECIAL SONOTUBE CONCRETE BASE DETAIL FOR COMBINATION ROADWAY/PEDESTRIAN LUMINAIRE POLE
N.T.S.



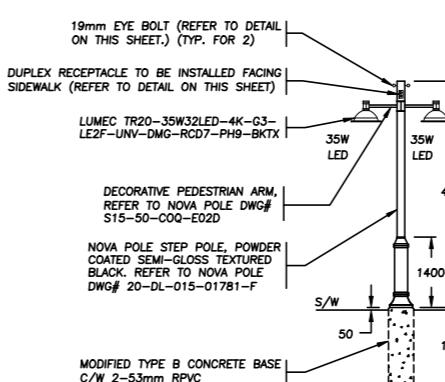
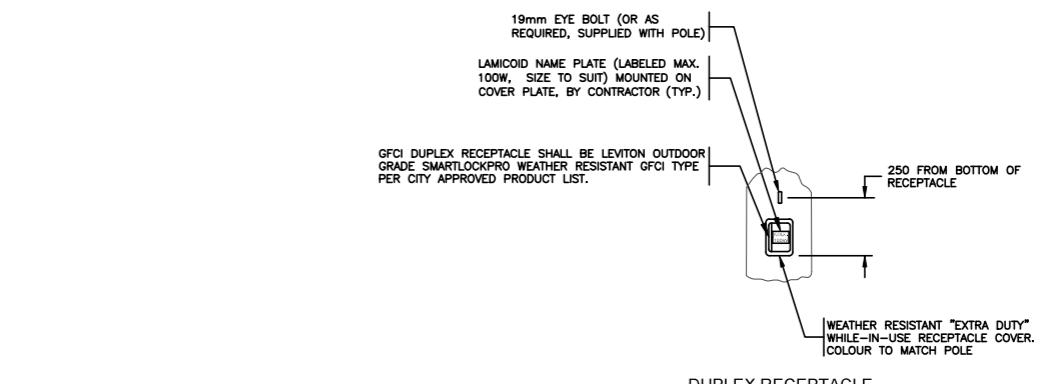
O/H SKYTRAIN GUIDEWAY CHECK - NEW PEDESTRIAN POLE AT S/W CORNER OF COMO LAKE AVENUE AND CLARKE ROAD

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120V SERVICE LOAD (SOUTHWEST OF INTERSECTION) (EXISTING 100A-120/240V SERVICE KIOSK AT COMO LAKE & CLARKE)						
WATTAGE (W)	CCT.PHASE	EXISTING	REMOVED	NEW	TOTAL No. OF LIGHTS	CURRENT(A)
158W (LED)	A	0	0	3	3	3.95A
	B	0	0	3	3	3.95A
135W (LED)	A	3	3	0	0	0.00A
	B	3	2	0	1	1.13A
80W (LED)	A	1	1	0	0	0.00A
	B	0	0	1	1	0.67A
70W (LED)	A	2	0	0	2	1.17A
	B	0	0	0	0	0.00A
35W (LED)	A	6	0	1	7	2.04A
	B	3	1	0	2	0.58A

TRANSLINK NOTES:

1. BEFORE WORK COMMENCES, CONTACT SKYTRAIN'S WAYSIDE AND/OR SAFETY DEPARTMENTS 604-520-3641 OR AFTER HOURS 604-520-5555.
2. PROMINENTLY DISPLAY AT THE WORKSITE SKYTRAIN'S EMERGENCY NUMBER 604-520-5555. HAVE IMMEDIATE AVAILABILITY TO A MEANS OF CONTACTING SKYTRAIN.
3. ENSURE ALL EMPLOYEES ARE MADE AWARE OF SKYTRAIN'S LIMITS OF APPROACH AND THE ASSOCIATE LIMITATIONS.
4. CONTRACTOR TO REFER TO THE SKYTRAIN LIMITS OF APPROACH DOCUMENT SO THAT ALL NECESSARY PRECAUTIONS ARE FOLLOWED FOR WORKING IN LIMIT 1, 2, AND 3.



PROPOSED PEDESTRIAN LUMINAIRE POLE
C/W DOUBLE LUMINAIRES PARALLEL TO SIDEWALK
(ON CLARKE ROAD)

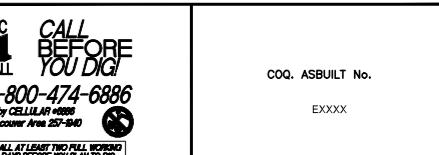
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NOT FOR CONSTRUCTION

2025-06-11



COQ. ASBUILT No.
XXXX



Project: COMO LAKE AVENUE
AND CLARKE ROAD
TRAFFIC SIGNAL MODIFICATION
Description: File: 8405-25

Benchmark:



DMD & Associates
Electrical Consultants Ltd.
#12-17339 104A Avenue, Surrey, BC, Canada V4N 0A0
www.dmdeng.com office@dmdeng.com Fax 604/589-6012
DMD PROJECT No. 8405-25-03 of 03

4	2025-06-11	CB	ISSUED FOR TENDER
3	2025-05-14	CB	100% SUBMISSION
2	2025-04-11	CB	90% SUBMISSION
1	2025-02-25	CB	50% SUBMISSION
No.	Date	By	Revisions

ACCEPTED FOR CONSTRUCTION
Date: _____
Manager of Development Servicing

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

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



Design by
CB
Drawn by
EK
Checked by
MC
Approved by
XX

Date
21-02-2025
10-02-2025
25-02-2025
DD-MM-YYYY

Scale
1:75
Sheet of
3 OF 3
Eng. Project No.

Plot Date: June 10, 2025