	DRAWING SCHEDULE		
CATEGORY	DWG. NO.	SHEET TITLE	REV. NO.
GENERAL	00	COVER	
	01	GENERAL NOTES	D
	02	KEY PLAN	D
	03	TYPICAL SECTIONS	D
	04	TYPICAL SECTIONS	D
ROAD + WATER	05	STA 0+580 TO 0+720	D
	06	STA 0+720 TO 0+840	D
	07	STA 0+840 TO 0+980	D
	08	STA 0+980 TO 1+120	D
	09	STA 1+120 TO 1+260	D
	10	STA 1+260 TO 1+390	D
	11	STA 1+390 TO 1+530	D
	12	STA 1+530 TO 1+670	D
	13	GILLEY'S TRAIL	D
	14	ROAD TIE-IN SOUTH	D
	15	ROAD TIE-IN NORTH	D
PROPERTY DRIVEWAYS	16	PROPERTIES 4171 AND 4170	D
	17	PROPERTIES 4182 AND 4180	D
	18	PROPERTY 4196 AND 4300	D
	19	PROPERTY 4265	D
SANITARY GRAVITY SEWER	20	STA 0+800 TO 1+080	D
	21	STA 1+080 TO 1+420	D
	22	STA 1+420 TO 1+660	D
	23	GILLEY'S TRAIL	D
DRAINAGE CHANNEL	24	PARTINGTON CREEK AND IN-LINE POND	D
	25	DRAINAGE CHANNEL	D
	26	CULVERT DETAILS	D
ENVIRONMENTAL PLANTING	27	ENV PLANTING NOTES	D
	28	ENV PLANTING 1	A
	29	ENV PLANTING 2	A
	30	ENV PLANTING 3	A
	31	ENV PLANTING 4	A
	32	ENV PLANTING DETAILS	A
ESC	33	ESC NOTES AND DETAILS	A
	34	ESC PLAN	A
ELECTRICAL	35	STREET LIGHTING	
	36	STREET LIGHTING	
	37	STREET LIGHTING	

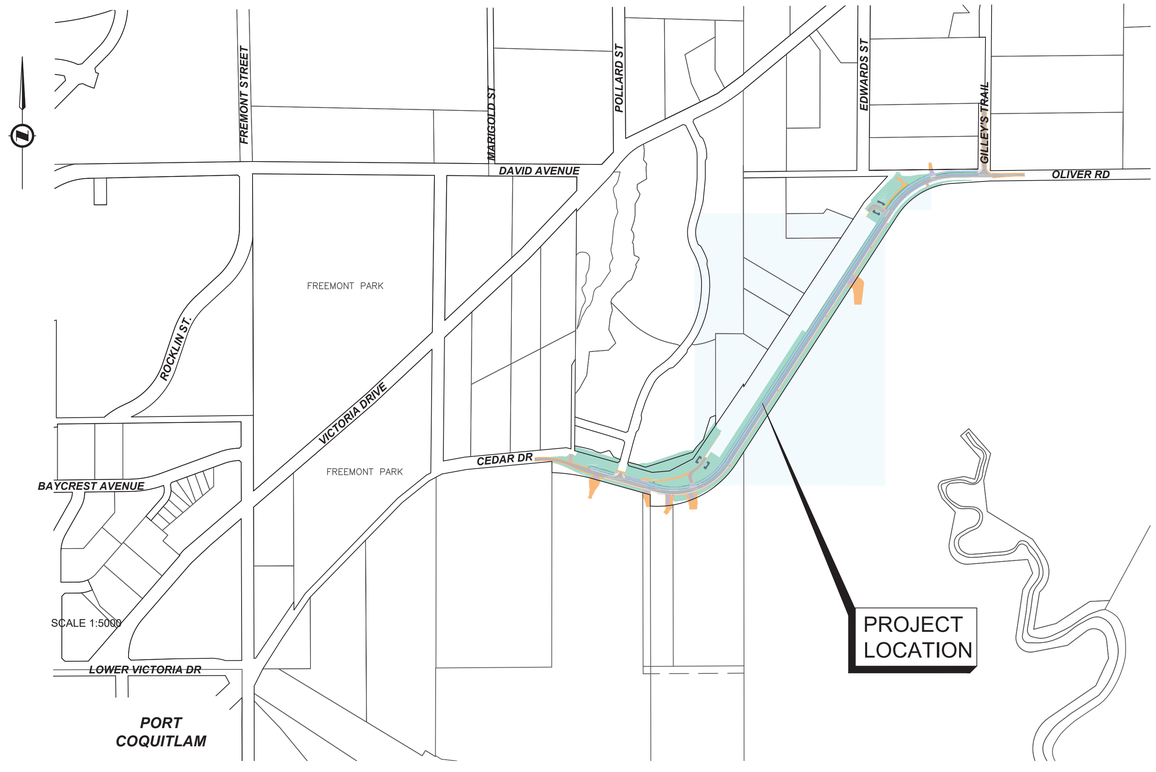
Coquitlam

CEDAR DRIVE UPGRADES - PHASE 2
ISSUED FOR TENDER

Permit to Practice
ISL Engineering and Land Services Ltd.
RR Signature:
RR EGBC ID: 42221
Date: 2025-04-07

Permit Number 1000419
Engineers & Geoscientists British Columbia

LOCATION PLAN
NTS



LOCATION PLAN

ISL Engineering and Land Services
#503, 4190 Lougheed Hwy, Burnaby, B.C. V5C 6A8
T: (604)629-2696 F: (604)629-2698

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
G. DE SOUZA ATAIDE
80849
2025-04-07

GENERAL NOTES:

1. ELEVATIONS ARE RELATIVE TO CVD28GVRD. HORIZONTAL COORDINATES ARE IN LOCAL PROJECT GROUND COORDINATES. PRIOR TO COMPUTATION OF NAD83 U.T.M. COORDINATES MULTIPLY THE COMBINED FACTOR OF 0.9995887.
2. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE PLATINUM EDITION (2009) OF THE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS (MMCD) AND MMCD SUPPLEMENTARY UPDATES TO DATE AND CITY OF COQUITLAM SUPPLEMENTARY SPECIFICATIONS AND DETAIL DRAWINGS UNLESS OTHERWISE NOTED.
3. RESIDENTS DIRECTLY AFFECTED BY CONSTRUCTION SHALL BE GIVEN AT LEAST 5 DAYS NOTICE PRIOR TO THE START OF CONSTRUCTION. IF CONSTRUCTION ENTERS ONTO PRIVATE PROPERTY, THE CONTRACTOR WILL REQUIRE WRITTEN AUTHORIZATION FROM THE PROPERTY OWNER PRIOR TO UNDERTAKING ANY WORK.
4. THE LOCATION OF EXISTING UTILITIES IS COMPILED FROM OWNER AND UTILITY SUPPLIED RECORD DRAWINGS AND ARE CONSIDERED APPROXIMATE ONLY. THE EXACT LOCATION AND EXTENT OF UTILITIES SHOULD BE DETERMINED BY CONSULTING THE LOCAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND INVERT ELEVATION BY HAND OR HYDROVAC EXCAVATION BEFORE CONSTRUCTION OF UTILITY CROSSINGS AND SHALL BE RESPONSIBLE FOR RESTORATION OF ANY DAMAGE TO EXISTING UTILITIES. ANY COSTS ASSOCIATED WITH UTILITY CONFLICTS THAT WERE NOT PRELOCATED WILL BE THE CONTRACTORS RESPONSIBILITY.
5. THE CONTRACTOR IS TO NOTIFY THE CITY OF COQUITLAM 48 HOURS IN ADVANCE OF ANY CONSTRUCTION OR UTILITY RELOCATION/CONFLICTS.
6. REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR A MIN 72 HOURS PRIOR TO CONSTRUCTION.
7. ALL SURVEY MONUMENTS WITHIN THE PROJECT BOUNDARIES SHALL BE PROTECTED DURING THE COURSE OF THE WORK. SHOULD ANY SURVEY MONUMENT REQUIRE RAISING OR RELOCATION, THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEERING AND OPERATIONS DEPARTMENT AT LEAST 72 HOURS IN ADVANCE OF SCHEDULING WORK. ALL DISTURBED MONUMENTS WILL BE REPLACED BY A B.C. LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
8. SURVEY PINS DISTURBED DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED BY A B.C. LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
9. ALL PUBLIC ROADWAYS AFFECTED BY THE WORKS SHALL BE KEPT IN A CLEAN STATE AT ALL TIMES. DUST CONTROL MEASURES SHALL ALSO BE EMPLOYED DURING THE COURSE OF THE WORK.
10. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, AND FOR COORDINATING THE VARIOUS PARTS OF THE WORK. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THERE IS NO DISRUPTION TO SERVICE, AND IF DISRUPTION IS ANTICIPATED, TO NOTIFY THE CONTRACT ADMINISTRATOR A MINIMUM OF 72 HOURS PRIOR, AND OBTAIN APPROVAL FOR THE DISRUPTION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL EXCAVATED MATERIAL UNSUITABLE FOR REUSE AT A SUITABLE OFF-SITE DISPOSAL AREA, IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
12. THE CONTRACTOR SHALL PROVIDE TEMPORARY UTILITY POLE SUPPORTS NECESSARY TO COMPLETE THE WORKS AS AN INCIDENTAL ITEM TO GENERAL CONTRACT REQUIREMENTS WHERE AND AS REQUIRED.
13. CONTRACTOR TO MAINTAIN AN UP TO DATE SET OF AS-CONSTRUCTED DRAWINGS AT ALL TIMES. AS-CONSTRUCTED DRAWINGS TO BE DELIVERED TO THE CONTRACT ADMINISTRATOR AT SUBSTANTIAL PERFORMANCE FOR PREPARATION OF FINAL RECORD DRAWINGS. THE CONTRACT ADMINISTRATOR SHALL BE PROVIDED ACCESS TO REVIEW THE AS-CONSTRUCTED DRAWINGS AT ALL TIMES TO CONFIRM THEY ARE UP TO DATE.
14. THE CONTRACTOR SHALL PROVIDE TEMPORARY UTILITY POLE SUPPORTS NECESSARY TO COMPLETE THE WORKS AS AN INCIDENTAL ITEM TO GENERAL CONTRACT REQUIREMENTS WHERE AND AS REQUIRED.
15. CONTRACTOR TO MAINTAIN AN UP TO DATE SET OF AS-CONSTRUCTED DRAWINGS AT ALL TIMES. AS-CONSTRUCTED DRAWINGS TO BE DELIVERED TO THE CONTRACT ADMINISTRATOR AT SUBSTANTIAL PERFORMANCE FOR PREPARATION OF FINAL RECORD DRAWINGS. THE CONTRACT ADMINISTRATOR SHALL BE PROVIDED ACCESS TO REVIEW THE AS-CONSTRUCTED DRAWINGS AT ALL TIMES TO CONFIRM THEY ARE UP TO DATE.
16. THE CONTRACTOR SHALL MAINTAIN AND MONITOR THE PROVISIONS FOR EROSION CONTROL AND SEDIMENT AS PER THE CITY BYLAW 4403, 2013 AND AS PER THE CONTRACT DOCUMENTS.
17. CONTRACTOR TO REPORT AND REPAIR OR REPLACE ANY DAMAGE TO THE SANITARY/STORM SERVICES DURING MAIN INSTALLATION. ANY DAMAGE TO WATER SERVICES IS TO BE REPORTED TO THE CONTRACT ADMINISTRATOR AND REPAIRED BY CITY FORCES AT THE CONTRACTOR'S EXPENSE.
18. CONTRACTOR TO PROTECT EXISTING UTILITIES FROM DAMAGE.
19. ALL EXISTING LIVE SERVICES SHALL BE MAINTAINED OPERATIONAL DURING CONSTRUCTION.
20. CONTRACTOR SHALL NOTIFY THE VARIOUS UTILITY AGENCIES AND OBTAIN PERMITS AS REQUIRED PRIOR TO CONSTRUCTION.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL CITY PERMITS FOR WORK WITHIN THE CITY ROAD ALLOWANCE.
22. ALL EXISTING SIGNAGE, BOULEVARDS, CURBS, UTILITIES, WALLS, LANDSCAPING, FENCES, PAINT MARKINGS AND SURFACES DISTURBED BY CONSTRUCTION TO BE RESTORED TO ORIGINAL CONDITION OR BETTER AND IN ACCORDANCE WITH THE CITY SPECIFICATIONS.
23. EVERY EFFORT IS TO BE MADE TO SAVE EXISTING LANDSCAPING WITHIN THE ROAD R.O.W.. LANDSCAPING IS TO BE RESTORED TO ITS ORIGINAL OR BETTER CONDITION. IN THE EVENT OF LANDSCAPING REMOVAL, THE PROPERTY OWNER SHALL BE ADVISED OF THE REMOVAL AND THE LANDSCAPING PLACED ON OWNERS PROPERTY UPON THEIR REQUEST.
24. NOT ALL EXISTING LANDSCAPING MAY BE SHOWN ON THE DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VIEW WORK AREAS AND PROVIDE REQUIRED ALLOWANCE TO RESTORE ALL EXISTING LANDSCAPING THAT IS DISTURBED BY THE WORKS TO EXISTING OR BETTER CONDITIONS FOLLOWING CONSTRUCTION.

TRAFFIC MANAGEMENT, NOTIFICATION AND APPROVALS NOTES:

1. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION SIGNAGE, BARRIERS, FLASHING INDICATORS, ETC. AT ALL TIMES TO ENSURE THE SAFETY OF THE PUBLIC. THE CONTRACTOR SHALL COMPLY WITH ALL TRAFFIC REQUIREMENTS AS SPECIFIED WITHIN THE CONTRACT DOCUMENTS. NO ROAD SHALL BE CLOSED WITHOUT THE WRITTEN CONSENT OF THE DIRECTOR OF ENGINEERING AND OPERATIONS.
2. THE CONTRACTOR SHALL ENSURE THAT ALL APPROVALS REQUIRED FOR THE PROPOSED WORKS HAVE BEEN OBTAINED FROM ALL AUTHORITIES AND AGENCIES PRIOR TO COMMENCING THE WORK.
3. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE PERSONNEL AT LEAST 72 HOURS PRIOR TO THE WORK. SCHEDULING AND OTHER CONSTRUCTION CONSTRAINTS IMPOSED BY THESE WORKS SHALL BE TAKEN INTO ACCOUNT.
4. A TRAFFIC AND PEDESTRIAN SAFETY CONTROL PLAN SHALL BE SUBMITTED BY THE CONTRACTOR PRIOR TO THE PRE-CONSTRUCTION MEETING.
5. APPROVALS FOR REQUIRED TREE CUTTING OR TRIMMING NOT INDICATED IN CONTRACT DRAWINGS SHALL BE OBTAINED BY THE CONTRACTOR FROM THE CITY PRIOR TO WORK BEING PERFORMED.
6. CONTRACTOR TO OBTAIN APPROVED LANE CLOSURE REQUEST FORM FOR ALL WORKS. APPROVED REQUESTS ARE CIRCULATED TO ALL EMERGENCY SERVICES.
7. CONTRACTOR TO SUBMIT A TRAFFIC MANAGEMENT PLAN WITH LANE CLOSURE REQUEST FOR ALL MAJOR ROADS AND ANY LOCAL ROADS WHICH REQUIRE ANY DETOURS.
8. ALL TRAFFIC CONTROL TO CONFORM TO THE LATEST EDITION OF THE BC TRAFFIC CONTROL MANUAL FOR WORK ON ROADWAYS.
9. APPROVAL OF NOISE VARIANCE FOR ALL WORK OUTSIDE OF NORMAL APPROVED WORK HOURS REQUIRED BY THE CITY.
10. ACCESS TO PROPERTIES AND SANITARY PUMP STATION SHALL BE MAINTAINED DURING CONSTRUCTION.
11. NOTICE OF CONSTRUCTION SIGNS TO BE INSTALLED AT ALL PROJECT LIMITS AND PREFERRED DETOUR ROUTE. NOTIFY CONTRACT ADMINISTRATOR WITH CONSTRUCTION SCHEDULE AND LOCATIONS. SIGNS PROVIDED AND INSTALLED BY THE CONTRACTOR.
12. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLETION OF ALL TAPED TEMPORARY AND PERMANENT PAINT AND THERMOPLASTIC PAVEMENT MARKINGS IN THE PLACE OF THE WORK. PERMANENT LANE MARKINGS ARE TO BE PLACED WITHIN SEVENTY-TWO (72) HOURS OF FINAL PAVING AND PERMANENT THERMOPLASTIC PAVEMENT MARKINGS ARE TO BE PLACED WITHIN FIVE (5) DAYS OF FINAL PAVING. ALL TEMPORARY MARKINGS TO BE REMOVED IMMEDIATELY FOLLOWING PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
13. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE TRAFFIC MANAGEMENT DETAILED SPECIFICATIONS IN THE CONTRACT DOCUMENTS.

STORM AND SANITARY SEWER NOTES:

1. NO CHANGES TO BE MADE TO PIPES, MANHOLES, OR ALIGNMENT WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE CONTRACT ADMINISTRATOR.
2. THE CONTRACTOR IS TO EXPOSE EXISTING WATERMAINS, STORM AND SANITARY SEWERS AT TIE-IN LOCATION AND ALL EXISTING UTILITIES BETWEEN. UTILITY DEPTHS AND LOCATIONS ARE TO BE RECORDED AND FORWARDED TO THE CONTRACT ADMINISTRATOR FOR REVIEW.
3. ASSURANCE OF PROTECTION OF THE WATERMAIN AS PER FRASER HEALTH AUTHORITY, JULY 14, 2006:

   PARALLEL LINES: WATERMAINS SHOULD BE LAID AT LEAST 3m HORIZONTALLY FROM ANY SANITARY OR STORM SEWER. WHERE THIS HORIZONTAL SEPARATION IS NOT POSSIBLE, THE BOTTOM OF THE WATERMAIN SHOULD BE AT LEAST 45cm ABOVE THE TOP OF THE SEWER AND SUFFICIENTLY TO ONE SIDE OF THE SEWER TO ALL FOR SEWER REPAIRS WITHOUT DISTURBING THE WATERMAIN. IF THIS VERTICAL SEPARATION IS NOT POSSIBLE, THE SEWER SHOULD BE OF THE SAME SERVICE CAPABILITY AS THE WATERMAIN, WITH PRESSURE CLASS JOINTS DESIGNED TO REMAIN WATERTIGHT IF THE GROUNDWATER TABLE PERIODICALLY RISES ABOVE THE SEWER, AND ARE PRESSURE TESTED BEFORE BACKFILLING. OTHER PRECAUTIONS, SUCH AS A WATERMAIN WITH IMPROVED JOINTS AND HIGHER STRENGTH MAY BE NEEDED.

   CROSSINGS: WHERE A WATERMAIN CROSSES A SANITARY OR STORM SEWER, THE LINES SHOULD BE LAID WITH THE WATERMAIN CROSSING OVER THE SEWER AND WITH THE MIDDLE OF PIPE LENGTHS LOCATED AT THE CROSSING POINT, TO MAXIMIZE THE SEPARATION BETWEEN JOINTS. WHERE A MINIMUM 3m JOINT SEPARATION AND/OR A MINIMUM 45cm CLEAR VERTICAL SEPARATION IS NOT POSSIBLE AT THE CROSSING, PRECAUTIONS TO IMPROVE WATER TIGHTNESS OF THE SEWER JOINTS AND STRUCTURAL IMPROVEMENTS SUCH AS HIGHER STRENGTH WATERMAIN AND/OR SEWER AT THE CROSSING AREA MAY BE NEEDED. SLEEVING, PIPE BRIDGING OR OTHER SUITABLE MEASURES MAY BE CONSIDERED. ALL JOINTS WITHIN 3m OF THE CROSSING SHOULD BE:

   - WRAPPED WITH HEAT SHRINK PLASTIC OR
   - PACKED WITH INERT PETROLATUM COMPOUND AND WRAPPED IN TAPE IN ACCORDANCE WITH ANSI/AWWA STANDARDS C209 AND C217-90.

   FOR SERVICE CONNECTIONS, WHEREVER POSSIBLE, THE ABOVE CONSTRUCTION PRACTICES SHOULD ALSO BE APPLIED.
4. FIGURED DIMENSION SHALL GOVERN OVER SCALED DIMENSIONS.
5. REFER TO COQ STD. DWG. COQ-G4 FOR UTILITY TRENCH DETAIL.
6. STORM SEWER MATERIALS ARE TO CONFORM TO THE MMCD SPECIFICATIONS.
7. ALL PIPE SIZES INDICATED REFER TO MINIMUM INSIDE DIAMETER DIMENSIONS.
8. ALL CATCH BASINS SHALL BE AS PER COQ STD. DWG. COQ-S11A.
9. CATCH BASIN AND LAWN DRAIN LEADS TO BE 150mm DIAMETER PVC 28 PIPE FOR SINGLE CATCH BASINS AND LAWN DRAINS THAT TIE INTO THE MAIN DIRECTLY. LEADS ARE TO BE 200mm DIAMETER PVC 35 PIPE FROM THE STORM MAIN TO THE WYE FOR CATCH BASIN/LAWN DRAIN COMBINATIONS AS PER THE CONNECTION DETAIL ON SHEET 4.

WATERMAIN NOTES:

1. ALL NEW 200mm WATERMAINS SHALL BE DUCTILE IRON PIPE (PC350/SC52) WITH TR FLEX JOINTS. DUCTILE IRON PIPE TO AWWA C151 AND STANDARD CEMENT MORTAR LINED TO AWWA C104/A21.4 WITH GASKETS TO AWWA C111, AND INSTALLED WITH 1.0m MINIMUM COVER UNLESS OTHERWISE NOTED.
2. NO CHANGES TO BE MADE TO PIPE, FITTINGS, OR ALIGNMENT WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE CONTRACT ADMINISTRATOR
3. ALL TIE-INS TO EXISTING WATERMAINS AND WATER SERVICE TRANSFERS WILL BE PERFORMED BY THE CONTRACTOR.
4. THE CONTRACTOR IS TO EXPOSE EXISTING WATERMAINS AND WATER SERVICES AT TIE-IN LOCATION AND ALL EXISTING UTILITIES BETWEEN. UTILITY DEPTHS ARE TO BE RECORDED AND FORWARDED TO THE CONTRACT ADMINISTRATOR FOR REVIEW.
5. THRUST BLOCKS: THRUST BLOCKS TO BE PROVIDED AT ALL FITTINGS & CHANGES IN DIRECTION AS PER MMCD DETAIL DRAWING W1. WHERE CONDITIONS DO NOT PERMIT USE OF THRUST BLOCKS, THE CONTRACTOR SHALL USE JOINT RESTRAINTS AS SPECIFIED IN THE OWNER'S SUPPLEMENTAL SPECIFICATIONS.

200 DIA. W/M THRUST BLOCK SIZING			
BENDS	MATERIAL TYPE		
	SAND	GRAVEL	GLACIAL TILL
11.25	0.14	0.11	0.06
22.5	0.28	0.22	0.12
45	0.54	0.43	0.24
TEE	1.4	1.12	0.62
ALL VALUES ARE IN m^2			

6. ALL NEW FIRE HYDRANTS TO BE AS PER CITY OF COQUITLAM STANDARDS. HYDRANT ASSEMBLIES INCLUDE THE FOLLOWING: HYDRANT BODY, LATERAL CONNECTIONS FROM MAINLINE TEE OFF WATERMAIN TO HYDRANTS, ISOLATION VALVE AT THE MAINLINE TEE WITH ADJUSTABLE VALVE BOX AND ALL OTHER INCIDENTAL WORK.
7. MAXIMUM JOINT DEFLECTION SHOULD NOT EXCEED ONE-HALF OF THE MANUFACTURER'S RECOMMENDED SPECIFICATION.
8. ALL VERTICAL BENDS TO BE MINIMUM 2-LUG AND TIE-RODDED TOGETHER AND USE FIELD LOK 350 GASKETS FOR 3 PIPE LENGTHS BACK OF VERTICAL FITTINGS.
9. FIGURED DIMENSION SHALL GOVERN OVER SCALED DIMENSIONS.
10. ALL VALVES GREATER THAN 1.5m DEEP FROM THE NUT REQUIRE AN EXTENSION
11. ALL PIPES TO BE WRAPPED WITH V-BIO POLYWRAP.
12. ALL PIPE ZONE BACKFILL TO HAVE LESS THAN 50ppm CHLORIDE IONS, AND LESS THAN 50ppm SULFATE IONS. CONTRACTOR TO PROVIDE SOURCE TESTING RESULTS PRIOR TO DELIVERY TO SITE.

LEGEND

PROPOSED LINETYPES

RIGHT OF WAY
WATER MAIN
WATER SERVICE
STORM MAIN
STORM SERVICE
CB / DRAINAGE LEAD
DRAINAGE SWALE
SANITARY SEWER MAIN
SANITARY SERVICE
ELECTRICAL
CONDUIT
GAS
PEDESTRIAN FENCE
WALL
CUT/FILL BOUNDARY
EDGE OF GRAVEL ROAD
BOTTOM OF BANK
TOP OF BANK

EXISTING LINETYPES

BOTTOM OF BANK
TOP OF BANK
STREAM / CREEK / DITCH
EDGE OF PAVEMENT
EDGE OF GRAVEL/DIRT
EDGE OF GRAVEL/DIRT

PROPOSED SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WATER VALVE AIR		STORM CATCHBASIN DOUBLE
	WATER BEND 90°		STORM CATCHBASIN
	WATER BEND 45°		STORM CULVERT
	WATER BEND 22.5°		STORM SWALE
	WATER BEND 11.25°		STORM LAWN DRAIN
	WATER BLOWOFF	DMH	STORM MANHOLE
	WATER CAP	D	STORM SERVICE
	WATER CROSS	SMH	SANITARY MANHOLE
	WATER HYDRANT	S	STORM SERVICE
	WATER REDUCER		SIGN
	WATER ROBAR		STREETLIGHT
W	WATER SERVICE		
	WATER TEE		WALKWAY LIGHT
	WATER THRUST BLOCK		JUNCTION BOX
	WATER VALVE		ELECTRICAL BOX
	WATER BLOW-OFF		

EXISTING SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WATER VALVE AIR		STORM CATCHBASIN DOUBLE
	WATER BEND 90°		STORM CATCHBASIN TOP INLET
	WATER BEND 45°		STORM CULVERT
	WATER BEND 22.5°		STORM LAWN DRAIN
	WATER BEND 11.25°		STORM MANHOLE
	WATER BLOWOFF		STORM DITCH
	WATER CROSS		SANITARY MANHOLE
	WATER HYDRANT		GUY WIRE
	WATER REDUCER		UTILITY TEL JUNCTION BOX
	WATER ROBAR/ADAPTER		POLE
W	WATER SERVICE		MISC SIGN
	WATER TEE		TREE
	WATER THRUST BLOCK		
	WATER VALVE		
	CAP		

PLOT DATE: April 1, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

GENERAL NOTES

CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — G. DE SOUZA ATAIDE # 60849 — 2025-04-07

ISSUED FOR TENDER DESIGN NO. 33527

ISL
#201, 3999 Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

SCALE	AS SHOWN	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 01 OF 34 REV. D

File: c:\ADSKACCDocs\ISL\32628_coq_cedardrive-phase1\roadworks\project files\02_CADD\20_drafting\003_sheets\phase 1 - cedar drive upgrades\32628_SH_Cover_Phase_1.dwg

PLOT DATE: April 2, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

KEY PLAN

CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER PROV. OF BRITISH COLUMBIA G. DE SOUZA ATAIDE # 60849
2025-04-07

0 30 90m
1:1500

ISSUED FOR TENDER DESIGN NO. 33527

ISL
#201, 3999 Henning Drive, Burnaby, B.C. V5C 6P9
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SCALE	AS SHOWN	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 02 OF 34
REV. D

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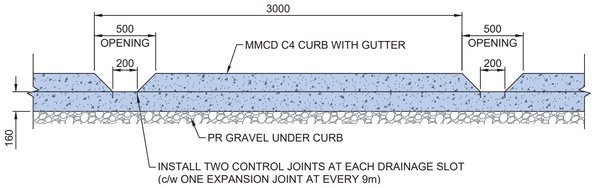
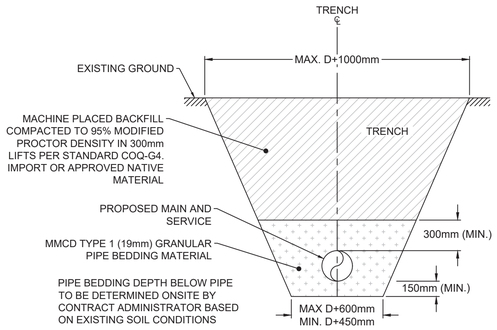


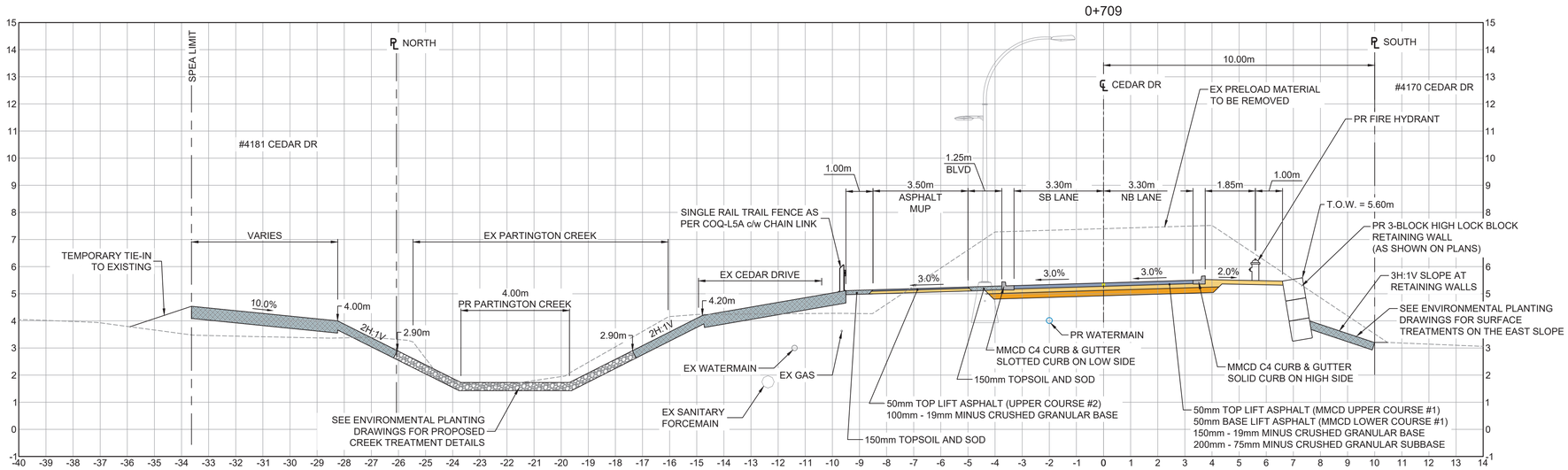
CONCRETE MMCD C4 BARRIER CURB DRAINAGE SLOTS SPACING AND DETAIL

SCALE: 1:25



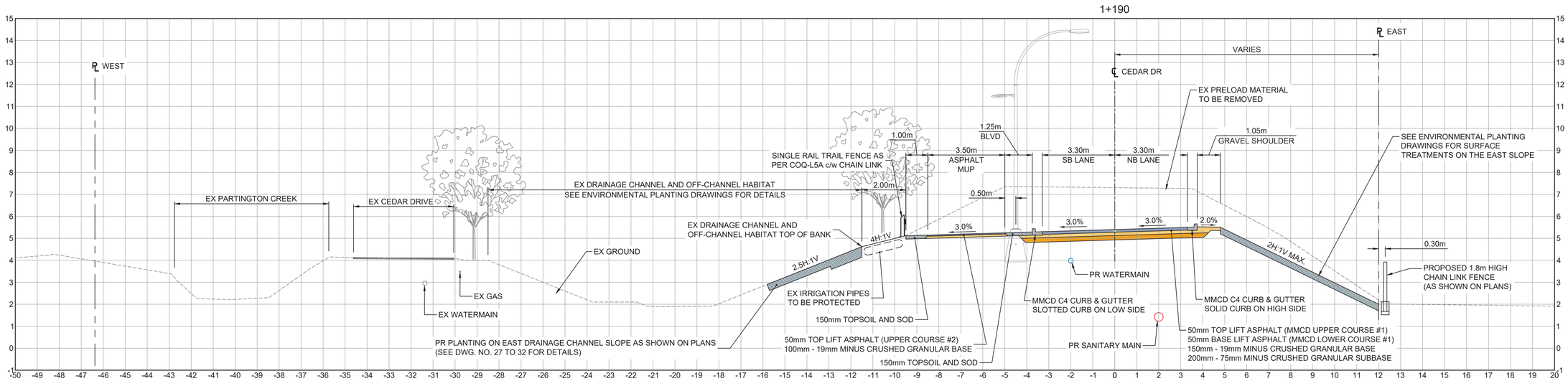
TYPICAL PIPE TRENCH DETAIL

NTS



CEDAR DRIVE TYPICAL SECTION
FRONTING PROPERTY #4170

SCALE: 1:100



CEDAR DRIVE TYPICAL SECTION
FROM PROPERTY #4170 TO STA 1+405

SCALE: 1:100

PLOT DATE: April 3, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ROAD WORKS

TYPICAL SECTIONS
CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — G. DE SOUZA ATAIDE # 50849 — 2025-04-07

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ISSUED FOR TENDER

DESIGN NO. 33527

SCALE	AS SHOWN	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 03 OF 34 REV. D

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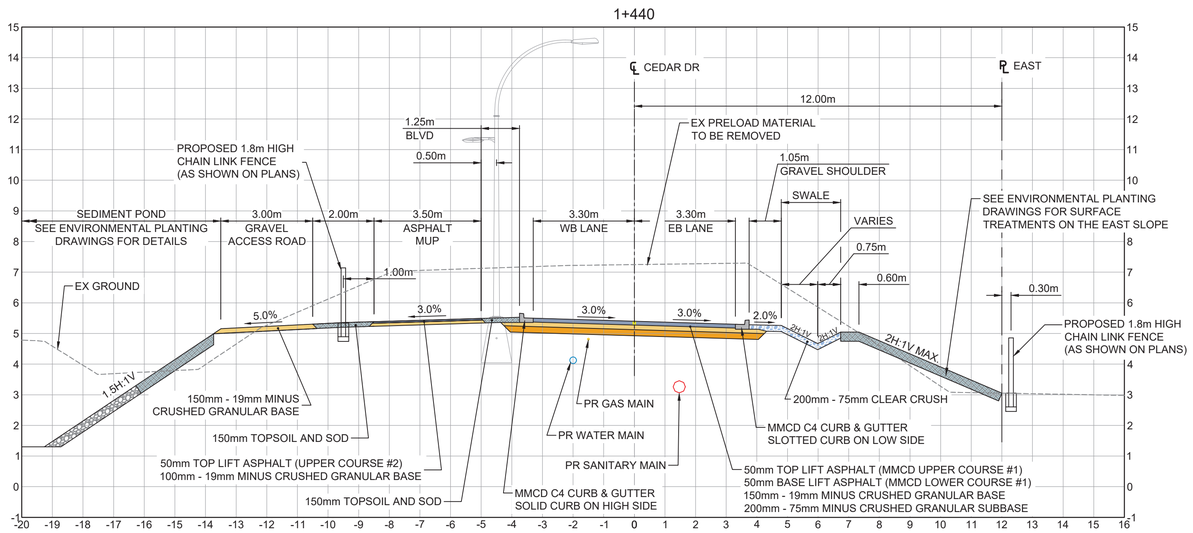
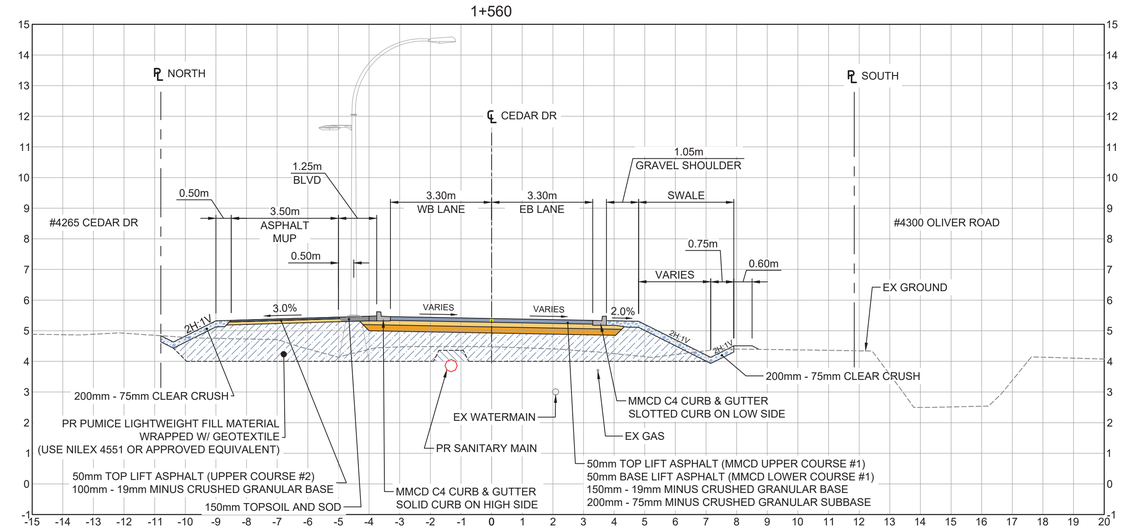
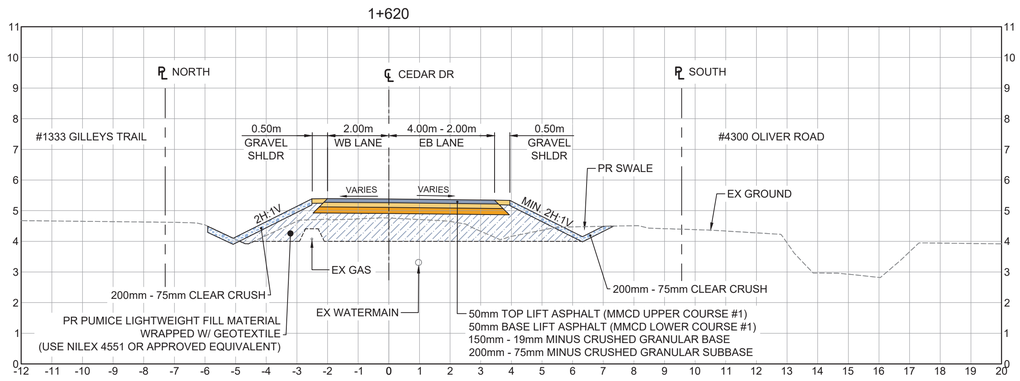


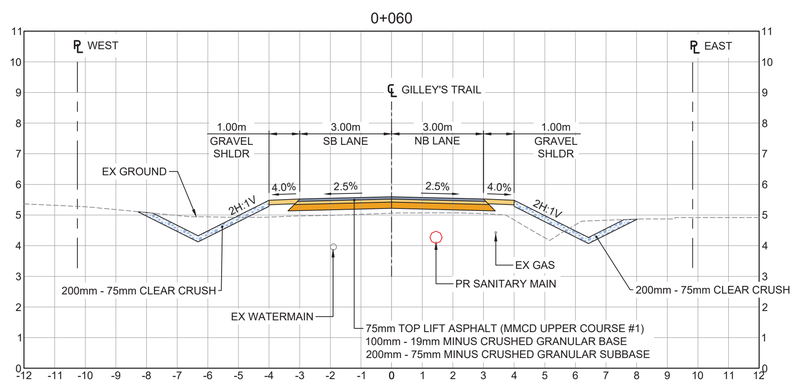
CEDAR DRIVE TYPICAL SECTION
AT UPPER SEDIMENT POND
SCALE: 1:100



CEDAR DRIVE TYPICAL SECTION
FRONTING PROPERTY #4265
SCALE: 1:100



CEDAR DRIVE TYPICAL SECTION
FRONTING PROPERTY #1333
SCALE: 1:100



GILLEY'S TRAIL TYPICAL SECTION
SCALE: 1:100

PLOT DATE: April 7, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ROAD WORKS

TYPICAL SECTIONS
CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
G. DE SOUZA ATAIDE
50849
2025-04-07

ISL
#201, 3999 Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

ISSUED FOR TENDER DESIGN NO. 33527

SCALE	AS SHOWN	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 04 OF 34
REV. D

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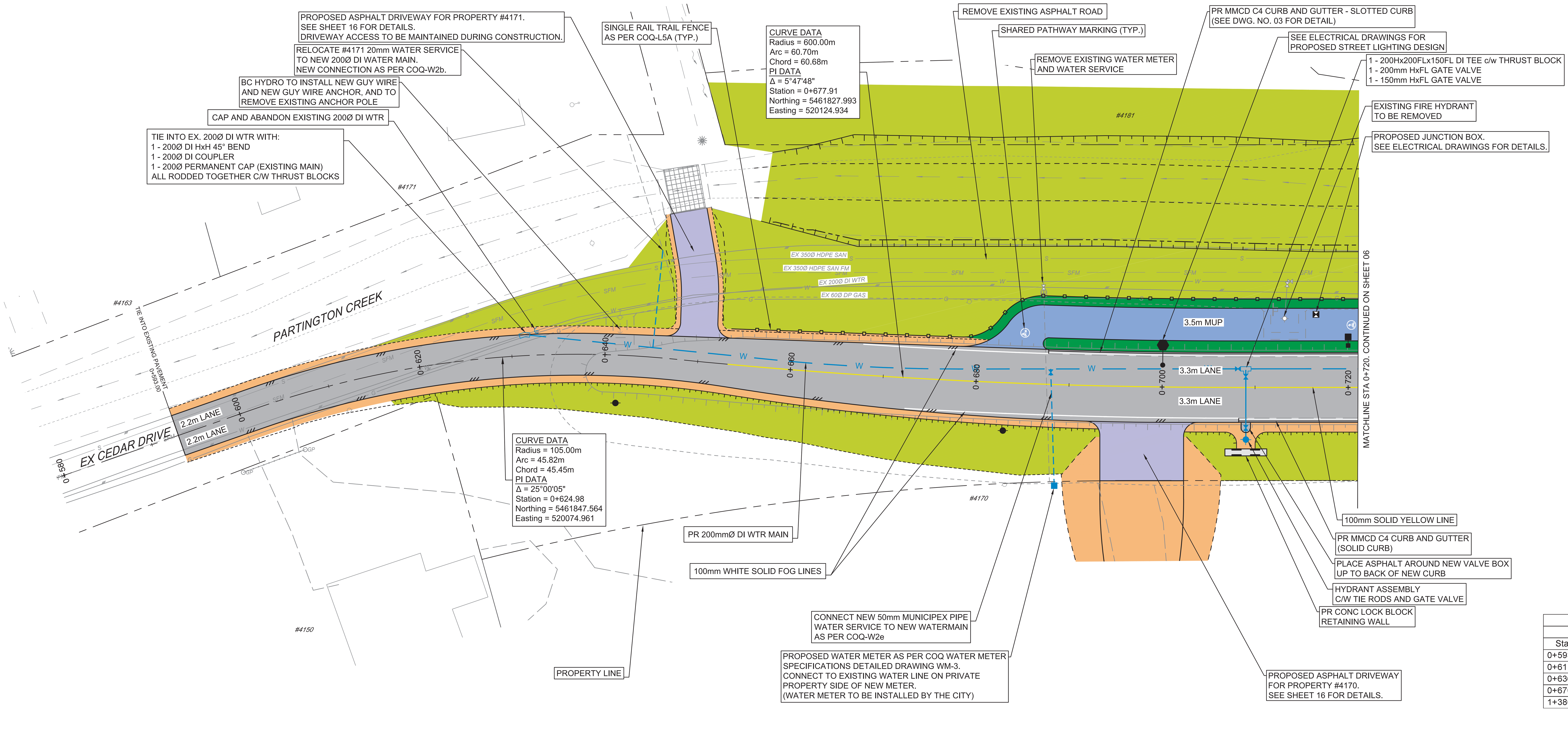


SURFACE TREATMENT

▨ ROAD SURFACE:
- 50 mm TOP LIFT ASPHALT (UPPER COURSE #1)
- 50 mm BASE LIFT (LOWER COURSE #1)
- 150 mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE

▨ MULTI-USE PATH:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE

▨ ASPHALT DRIVEWAY:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE
-200mm OF 75mm MINUS GRANULAR SUBBASE (OPTIONAL AS DIRECTED BY CA)

▨ GRAVEL DRIVEWAY / SHOULDER:
- 150mm OF 19mm MINUS GRANULAR BASE

▨ 200mm OF 75mm CLEAR CRUSHED GRAVEL

▨ 600mm OF 300mm RIPRAP

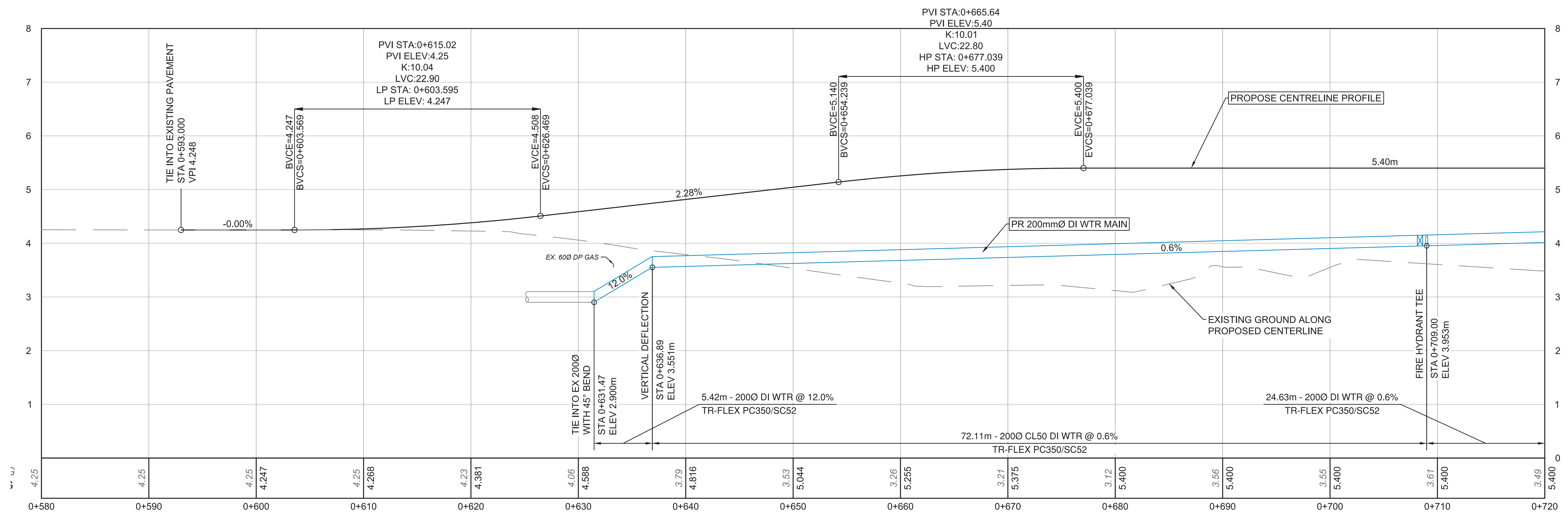
🟩 150mm TOPSOIL AND SODDING

▨ 100mm TOPSOIL AND HYDROSEED

▨ CONCRETE

▨ RIPARIAN PLANTING
- SEE SHEETS 27 TO 32 FOR DETAILS

SUPERELEVATION TABLE		
CEDAR DRIVE		
Station	Left Lane	Right Lane
0+593.00m	Meet (Approx. -0.1%)	Meet (Approx. 0.4%)
0+611.04m	2.00%	-2.00%
0+636.83m	2.00%	-2.00%
0+670.00m	-3.00%	3.00%
1+380.00m	-3.00%	3.00%



1:250 0 5 15m

ISSUED FOR TENDER

DESIGN NO. 33527

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PLOT DATE: April 7, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ROAD + WATER

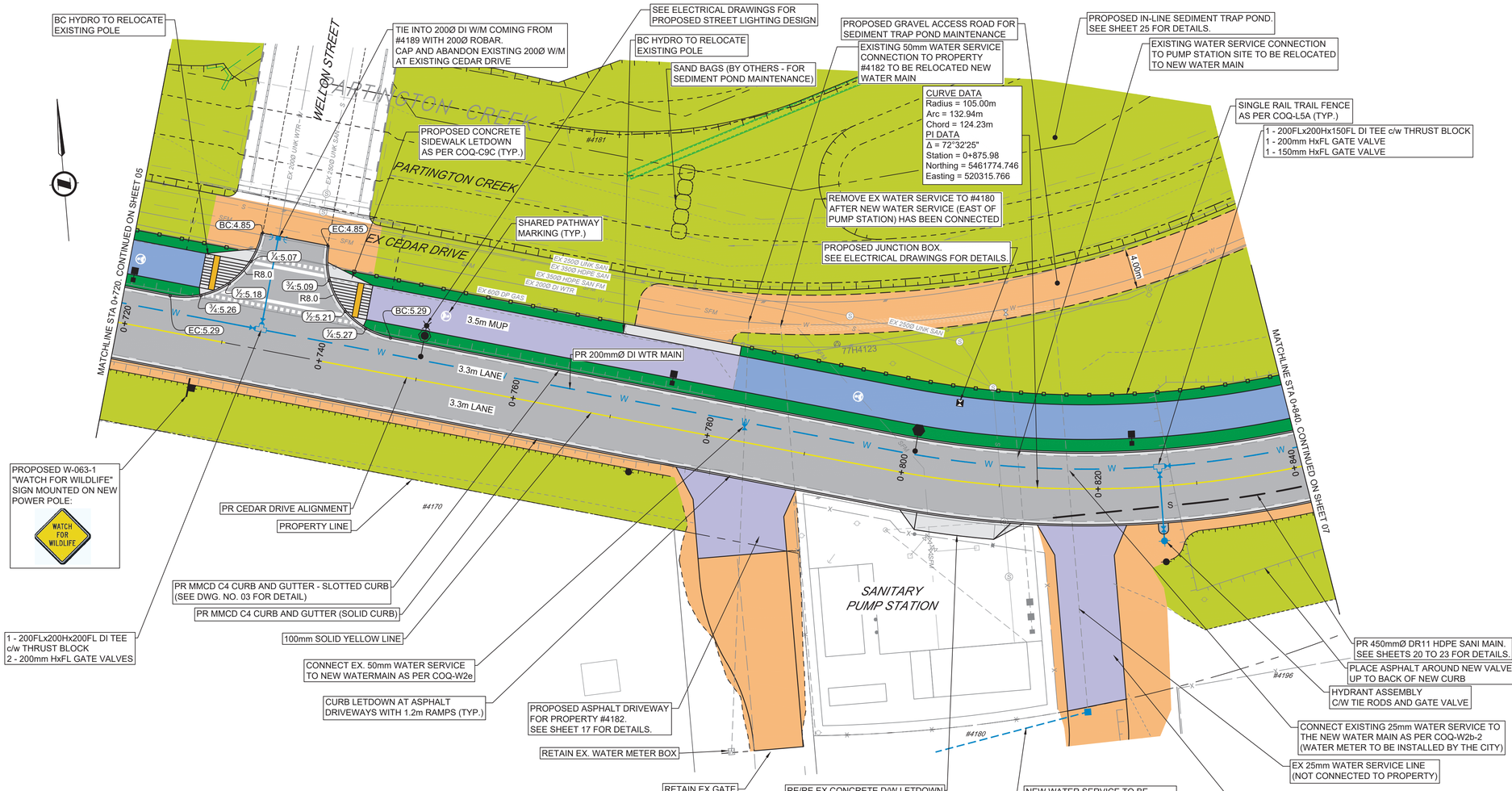
STA 0+580 TO 0+720
CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL PROVINCE OF BRITISH COLUMBIA ENGINEER
G. DE SOUZA ATAIDE
60849
[illegible]
2025-04-07

ISL
#201, 3999 Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

SCALE	1:250	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 05 OF 34
REV. D



SURFACE TREATMENT

ROAD SURFACE:
- 50 mm TOP LIFT ASPHALT (UPPER COURSE #1)
- 50 mm BASE LIFT (LOWER COURSE #1)
- 150 mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE

MULTI-USE PATH:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE

ASPHALT DRIVEWAY:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE (OPTIONAL AS DIRECTED BY CA)

GRAVEL DRIVEWAY / SHOULDER:
- 150mm OF 19mm MINUS GRANULAR BASE

200mm OF 75mm CLEAR CRUSHED GRAVEL

600mm OF 300mm RIPRAP

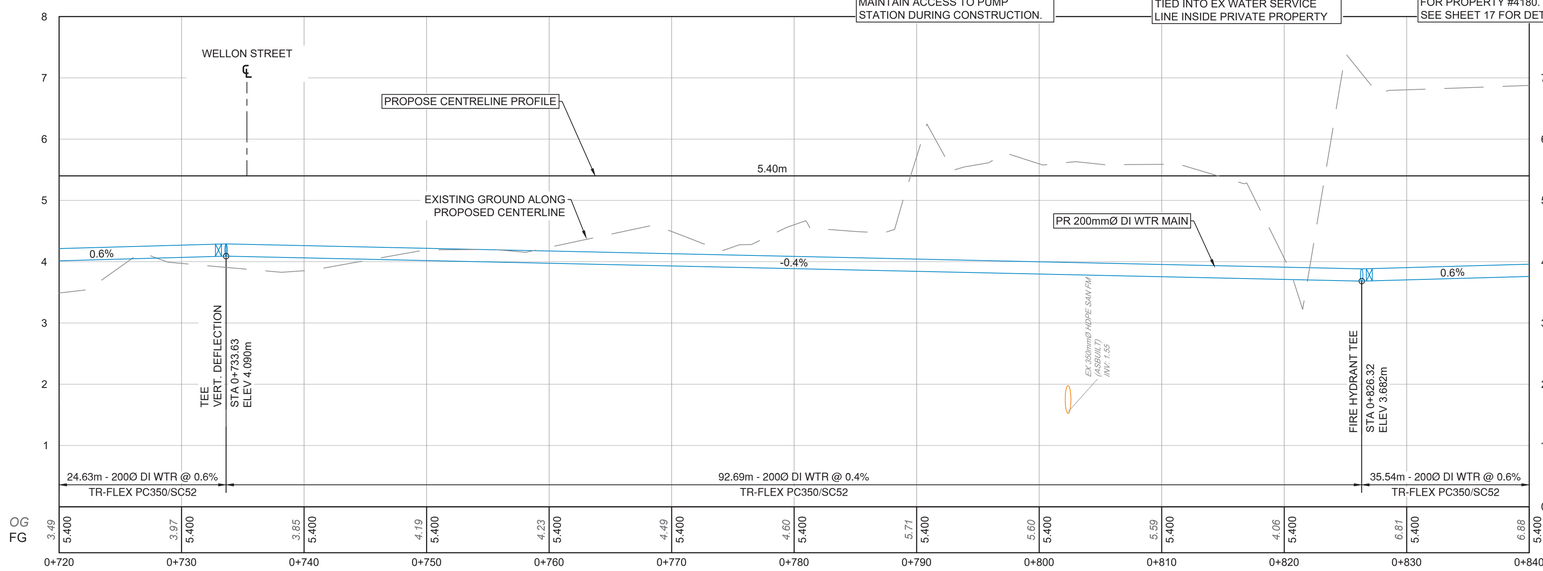
150mm TOPSOIL AND SODDING

100mm TOPSOIL AND HYDROSEED

CONCRETE

RIPARIAN PLANTING
- SEE SHEETS 27 TO 32 FOR DETAILS

SUPERELEVATION TABLE		
CEDAR DRIVE		
Station	Left Lane	Right Lane
0+670.00m	-3.00%	3.00%
1+380.00m	-3.00%	3.00%



PLOT DATE: April 7, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ROAD + WATER

STA 0+720 TO 0+840

CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — G. DE SOUZA ATAIDE — # 60849 — 2025-04-07

1:250 0 5 15m

ISSUED FOR TENDER DESIGN NO. 33527

ISL
#201, 3999 Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

SCALE	1:250	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB
			DWG. NO. 06 OF 34
			REV. D

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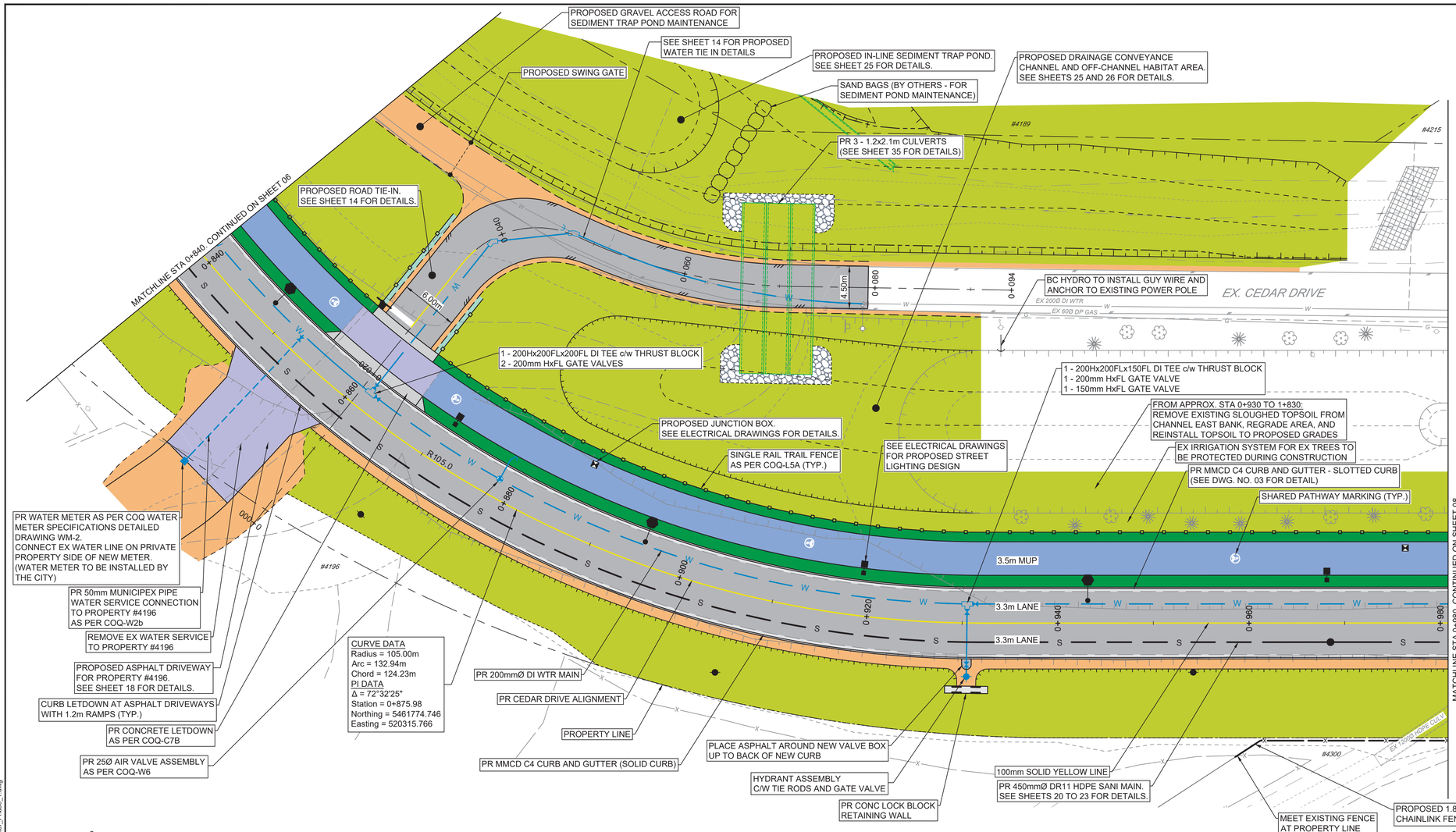

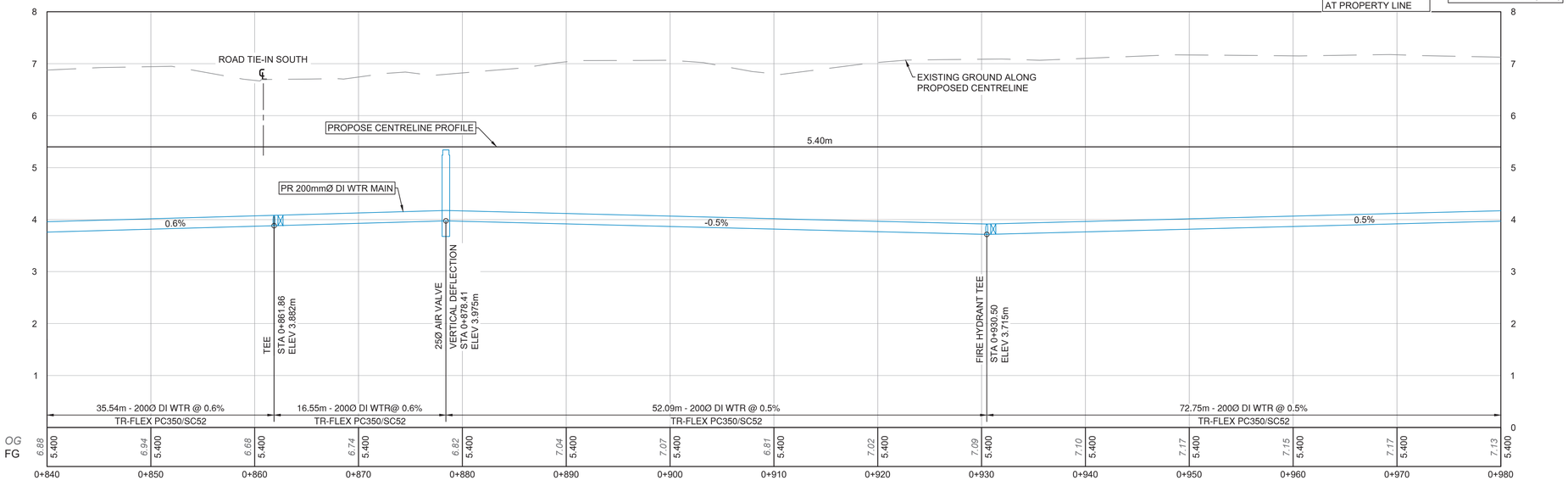

SURFACE TREATMENT

ROAD SURFACE:
- 50 mm TOP LIFT ASPHALT (UPPER COURSE #1)
- 50 mm BASE LIFT (LOWER COURSE #1)
- 150 mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE

MULTI-USE PATH:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE

ASPHALT DRIVEWAY:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE (OPTIONAL AS DIRECTED BY CA)

GRAVEL DRIVEWAY / SHOULDER:
- 150mm OF 19mm MINUS GRANULAR BASE

200mm OF 75mm CLEAR CRUSHED GRAVEL

600mm OF 300mm RIPRAP

150mm TOPSOIL AND SODDING

100mm TOPSOIL AND HYDROSEED

CONCRETE

RIPARIAN PLANTING
- SEE SHEETS 27 TO 32 FOR DETAILS

SUPERELEVATION TABLE		
CEDAR DRIVE		
Station	Left Lane	Right Lane
0+670.00m	-3.00%	3.00%
1+380.00m	-3.00%	3.00%

1:250 0 5 15m

ISSUED FOR TENDER DESIGN NO. 33527

PLOT DATE: April 7, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ROAD + WATER

STA 0+840 TO 0+980
CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA G. DE SOUZA ATAIDE # 50849 2025-04-07

ISL
#201, 3999 Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

SCALE	1:250	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 07 OF 34 REV. D

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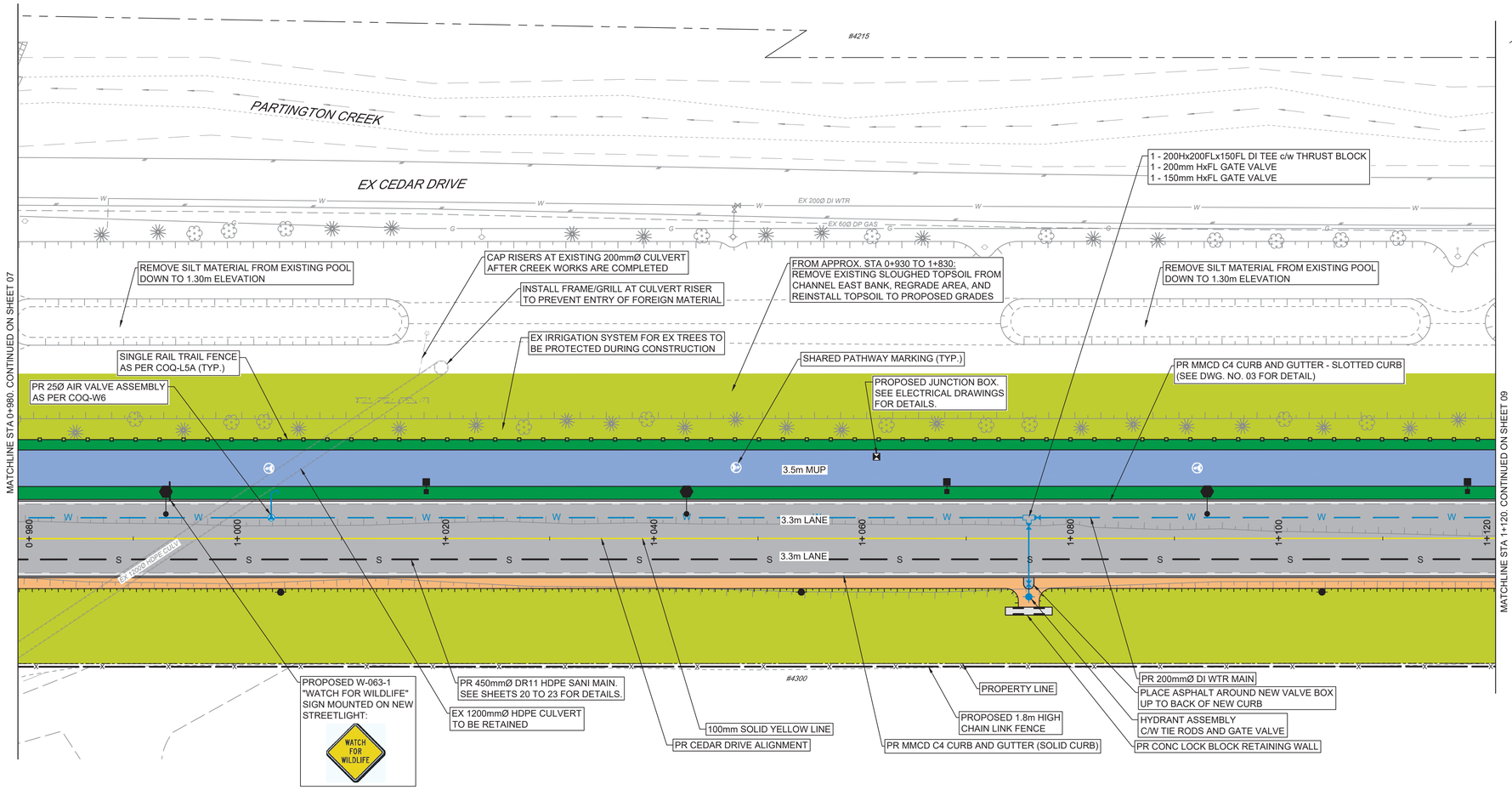

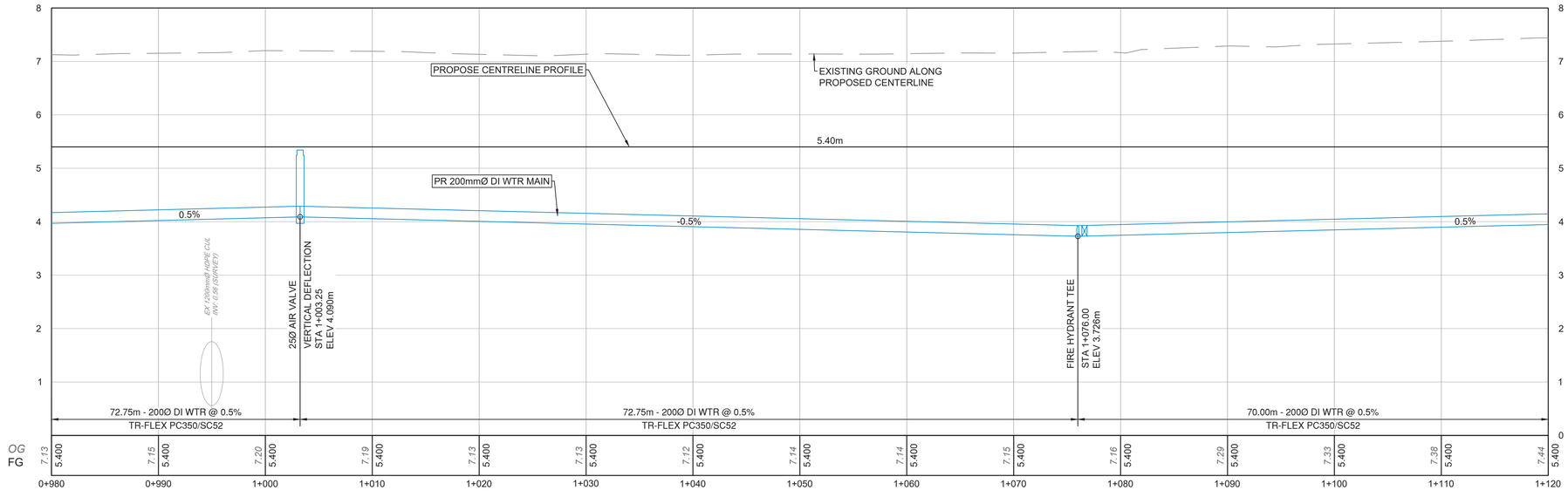

SURFACE TREATMENT

ROAD SURFACE:
- 50 mm TOP LIFT ASPHALT (UPPER COURSE #1)
- 50 mm BASE LIFT (LOWER COURSE #1)
- 150 mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE

MULTI-USE PATH:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE

ASPHALT DRIVEWAY:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE (OPTIONAL AS DIRECTED BY CA)

GRAVEL DRIVEWAY / SHOULDER:
- 150mm OF 19mm MINUS GRANULAR BASE

200mm OF 75mm CLEAR CRUSHED GRAVEL

600mm OF 300mm RIPRAP

150mm TOPSOIL AND SODDING

100mm TOPSOIL AND HYDROSEED

CONCRETE

RIPARIAN PLANTING
- SEE SHEETS 27 TO 32 FOR DETAILS

SUPERELEVATION TABLE		
CEDAR DRIVE		
Station	Left Lane	Right Lane
0+670.00m	-3.00%	3.00%
1+380.00m	-3.00%	3.00%

PLOT DATE: April 7, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ROAD + WATER

STA 0+980 TO 1+120

CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA G. DE SOUZA ATAIDE # 60849 ENGINEER 2025-04-07

ISL
#201, 3999 Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

1:250 0 5 15m

ISSUED FOR TENDER

DESIGN NO. 33527

SCALE	1:250	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 08 OF 34 REV. D

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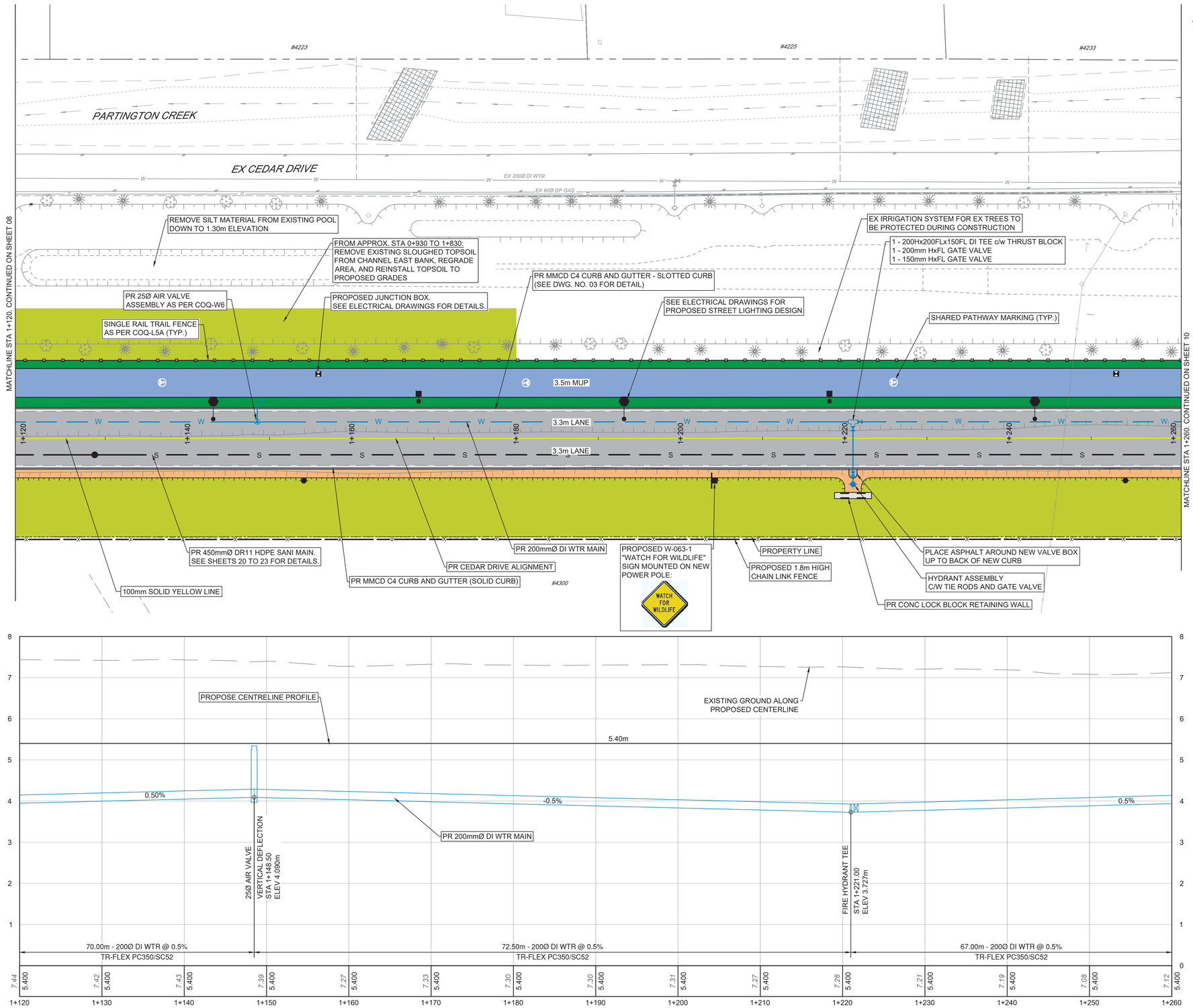

SURFACE TREATMENT

ROAD SURFACE:
- 50 mm TOP LIFT ASPHALT (UPPER COURSE #1)
- 50 mm BASE LIFT (LOWER COURSE #1)
- 150 mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE

MULTI-USE PATH:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE

ASPHALT DRIVEWAY:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE (OPTIONAL AS DIRECTED BY CA)

GRAVEL DRIVEWAY / SHOULDER:
- 150mm OF 19mm MINUS GRANULAR BASE

200mm OF 75mm CLEAR CRUSHED GRAVEL

600mm OF 300mm RIPRAP

150mm TOPSOIL AND SODDING

100mm TOPSOIL AND HYDROSEED

CONCRETE

RIPARIAN PLANTING
- SEE SHEETS 27 TO 32 FOR DETAILS

SUPERELEVATION TABLE		
CEDAR DRIVE		
Station	Left Lane	Right Lane
0+670.00m	-3.00%	3.00%
1+380.00m	-3.00%	3.00%

1:250 (0, 5, 15m)

ISSUED FOR TENDER DESIGN NO. 33527

PLOT DATE: April 7, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ROAD + WATER

STA 1+120 TO 1+260
CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA G. DE SOUZA ATAIDE # 60849 2025-04-07

ISL
#201, 3999 Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

SCALE	1:250	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB
			DWG. NO. 09 OF 34
			REV. D

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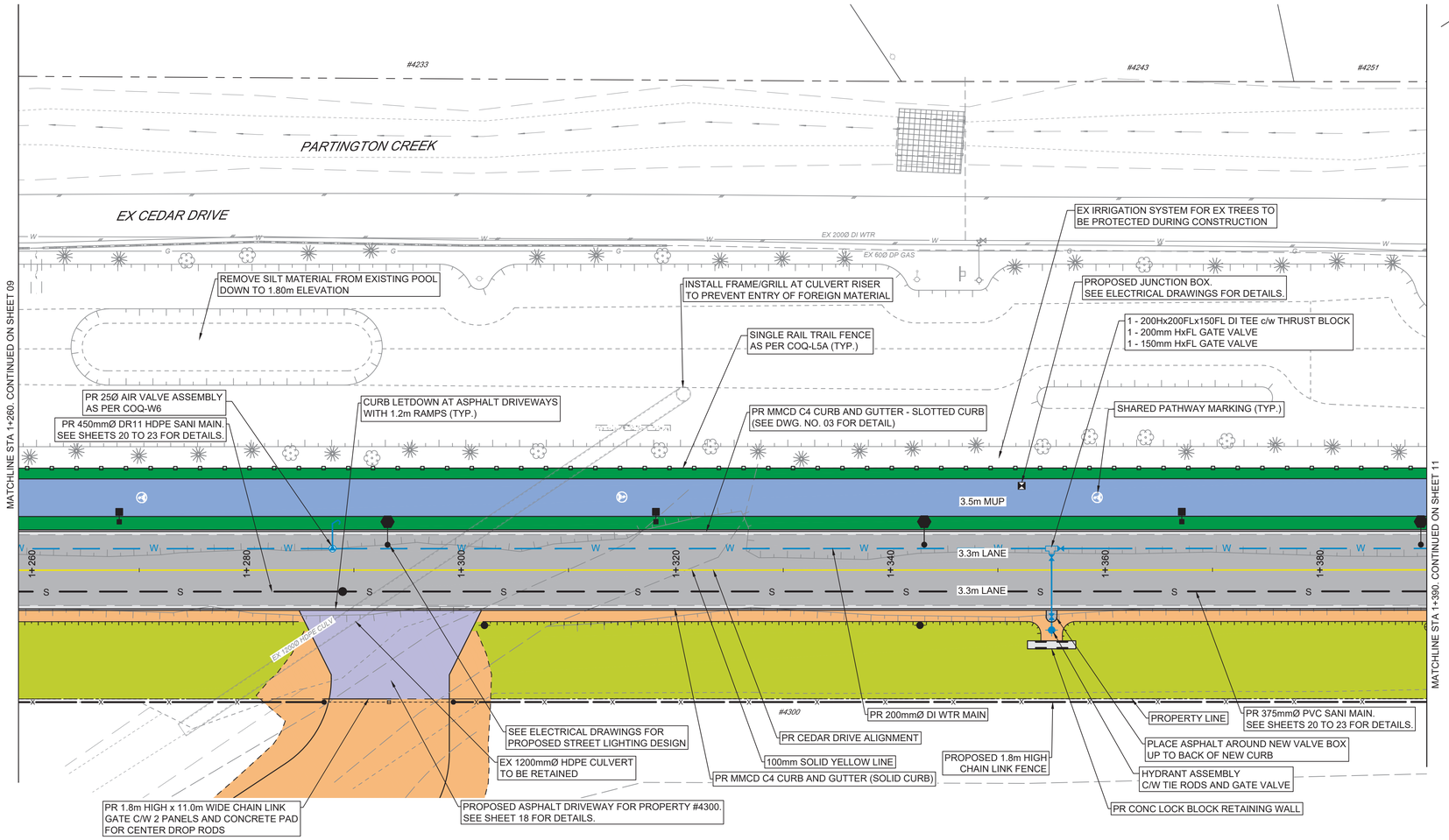

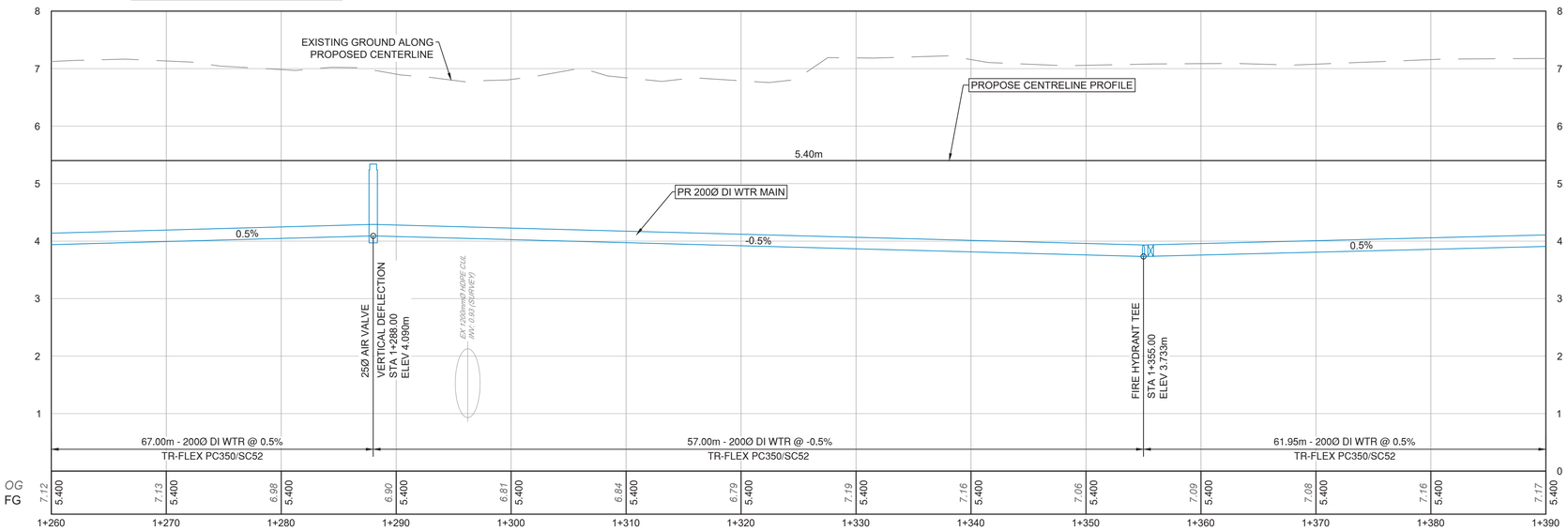

SURFACE TREATMENT

ROAD SURFACE:
- 50 mm TOP LIFT ASPHALT (UPPER COURSE #1)
- 50 mm BASE LIFT (LOWER COURSE #1)
- 150 mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE

MULTI-USE PATH:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE

ASPHALT DRIVEWAY:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE (OPTIONAL AS DIRECTED BY CA)

GRAVEL DRIVEWAY / SHOULDER:
- 150mm OF 19mm MINUS GRANULAR BASE

200mm OF 75mm CLEAR CRUSHED GRAVEL

600mm OF 300mm RIPRAP

150mm TOPSOIL AND SODDING

100mm TOPSOIL AND HYDROSEED

CONCRETE

RIPARIAN PLANTING
- SEE SHEETS 27 TO 32 FOR DETAILS

SUPERELEVATION TABLE		
CEDAR DRIVE		
Station	Left Lane	Right Lane
0+670.00m	-3.00%	3.00%
1+380.00m	-3.00%	3.00%
1+423.50m	3.00%	-3.00%

PLOT DATE: April 7, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ROAD + WATER

STA 1+260 TO 1+390
CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA G. DE SOUZA ATAIDE # 50849 2025-04-07

1:250 0 5 15m

ISSUED FOR TENDER DESIGN NO. 33527

ISL
#201, 3999 Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

SCALE	1:250	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 10 OF 34 REV. D

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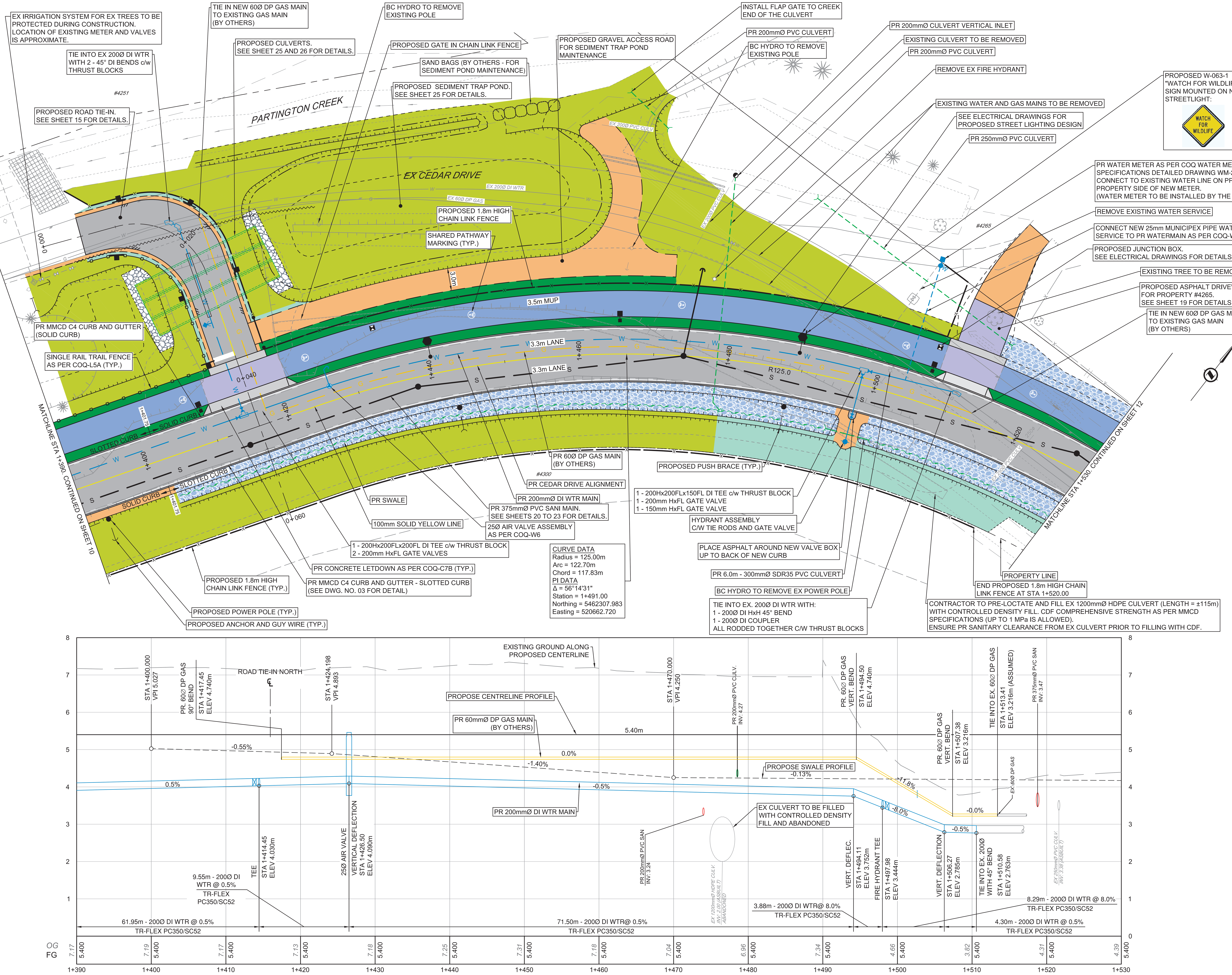


SUPERELEVATION TABLE		
CEDAR DRIVE		
Station	Left Lane	Right Lane
1+380.00m	-3.00%	3.00%
1+423.50m	3.00%	-3.00%
1+546.20m	3.00%	-3.00%

SURFACE TREATMENT

▨ ROAD SURFACE:
- 50 mm TOP LIFT ASPHALT (UPPER COURSE #1)
- 50 mm BASE LIFT (LOWER COURSE #1)
- 150 mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE

🟦 MULTI-USE PATH:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE

🟪 ASPHALT DRIVEWAY:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE
-200mm OF 75mm MINUS GRANULAR SUBBASE (OPTIONAL AS DIRECTED BY CA)

🟧 GRAVEL DRIVEWAY / SHOULDER:
- 150mm OF 19mm MINUS GRANULAR BASE

▨ 200mm OF 75mm CLEAR CRUSHED GRAVEL

▨ 600mm OF 300mm RIPRAP

🟩 150mm TOPSOIL AND SODDING

🟩 100mm TOPSOIL AND HYDROSEED

⬜ CONCRETE

🟨 RIPARIAN PLANTING
- SEE SHEETS 27 TO 32 FOR DETAILS

1:250 0 5 15m

ISSUED FOR TENDER

DESIGN NO. 33527

PLOT DATE: April 7, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ROAD + WATER

STA 1+390 TO 1+530
CEDAR DRIVE UPGRADES - PHASE 2

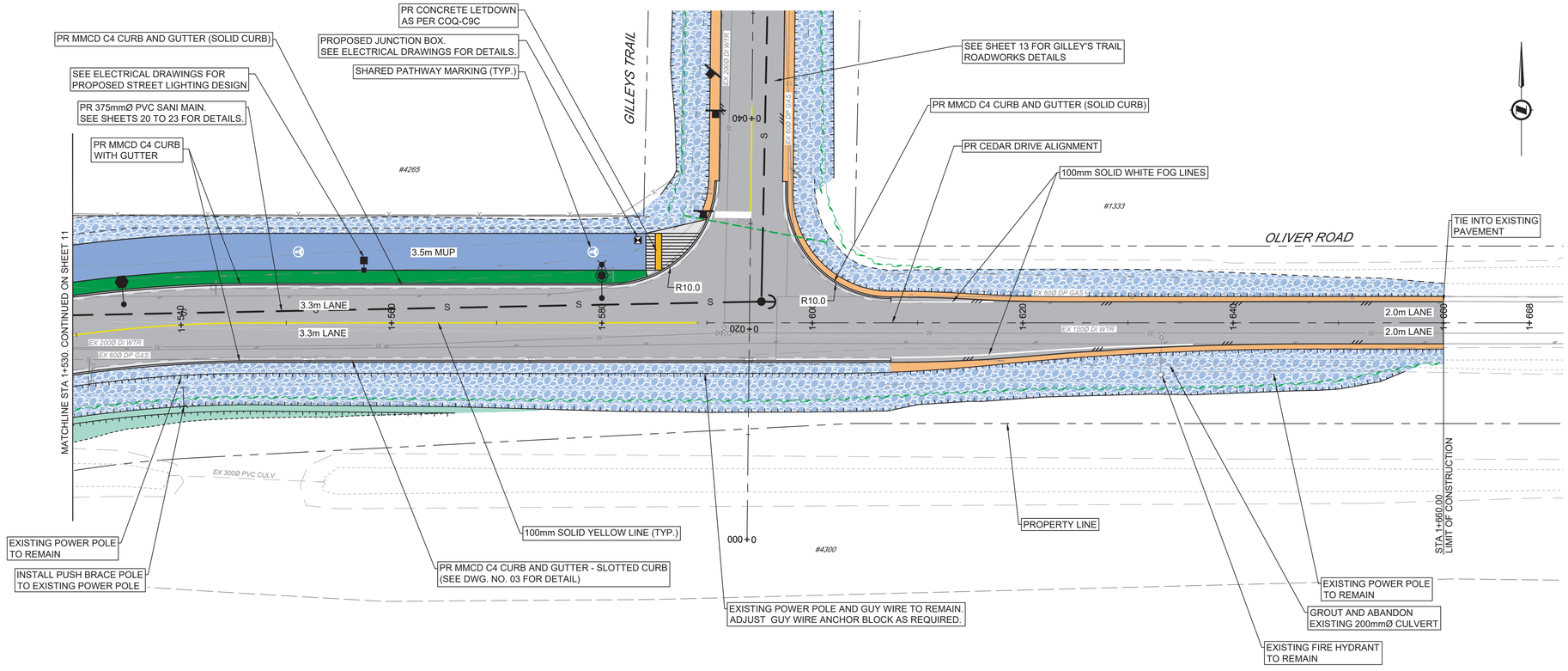
PROFESSIONAL PROVINCE OF BRITISH COLUMBIA G. DE SOUZA ATAIDE # 60849 ENGINEER 2025-04-07

ISL
#201, 3999 Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

SCALE	1:250	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 11 OF 34
REV. D

File: c:\ADSK\ACCDocs\ISL\32628_coq_cedardrive-phase1roadworks\project files\02_CADD\20_drafting\203_sheets\phase 1 - cedar drive upgrades\32628_SH_Roadworks_and_Water_Phase_1.dwg



SURFACE TREATMENT

ROAD SURFACE:
- 50 mm TOP LIFT ASPHALT (UPPER COURSE #1)
- 50 mm BASE LIFT (LOWER COURSE #1)
- 150 mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE

MULTI-USE PATH:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE

ASPHALT DRIVEWAY:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE (OPTIONAL AS DIRECTED BY CA)

GRAVEL DRIVEWAY / SHOULDER:
- 150mm OF 19mm MINUS GRANULAR BASE

200mm OF 75mm CLEAR CRUSHED GRAVEL

600mm OF 300mm RIPRAP

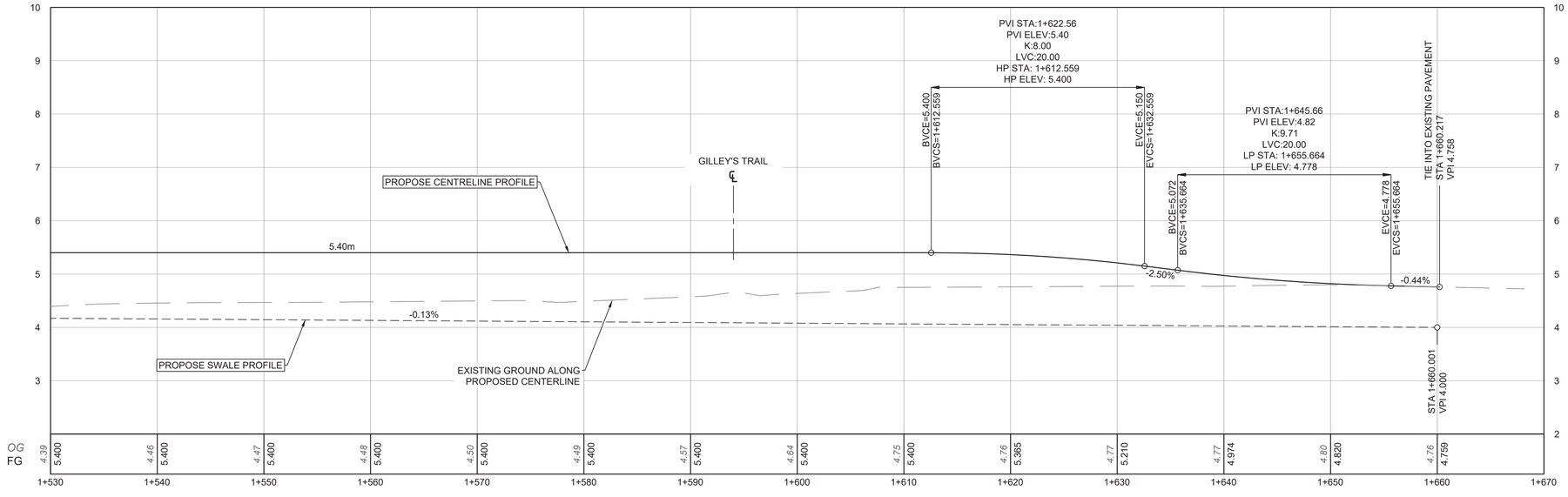
150mm TOPSOIL AND SODDING

100mm TOPSOIL AND HYDROSEED

CONCRETE

RIPARIAN PLANTING
- SEE SHEETS 27 TO 32 FOR DETAILS

SUPERELEVATION TABLE		
CEDAR DRIVE		
Station	Left Lane	Right Lane
1+423.50m	3.00%	-3.00%
1+546.20m	3.00%	-3.00%
1+575.00m	0.50%	-0.50%
1+610.00m	0.50%	-0.50%
1+660.00m	Meet (Approx. 1.5%)	Meet (Approx. -3.6%)



PLOT DATE: April 7, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ROAD + WATER

STA 1+530 TO 1+670

CEDAR DRIVE UPGRADES - PHASE 2

G. DE SOUZA ATAIDE # 80849 — PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — 2025-04-07

1:250 (0, 5, 15m)

ISSUED FOR TENDER

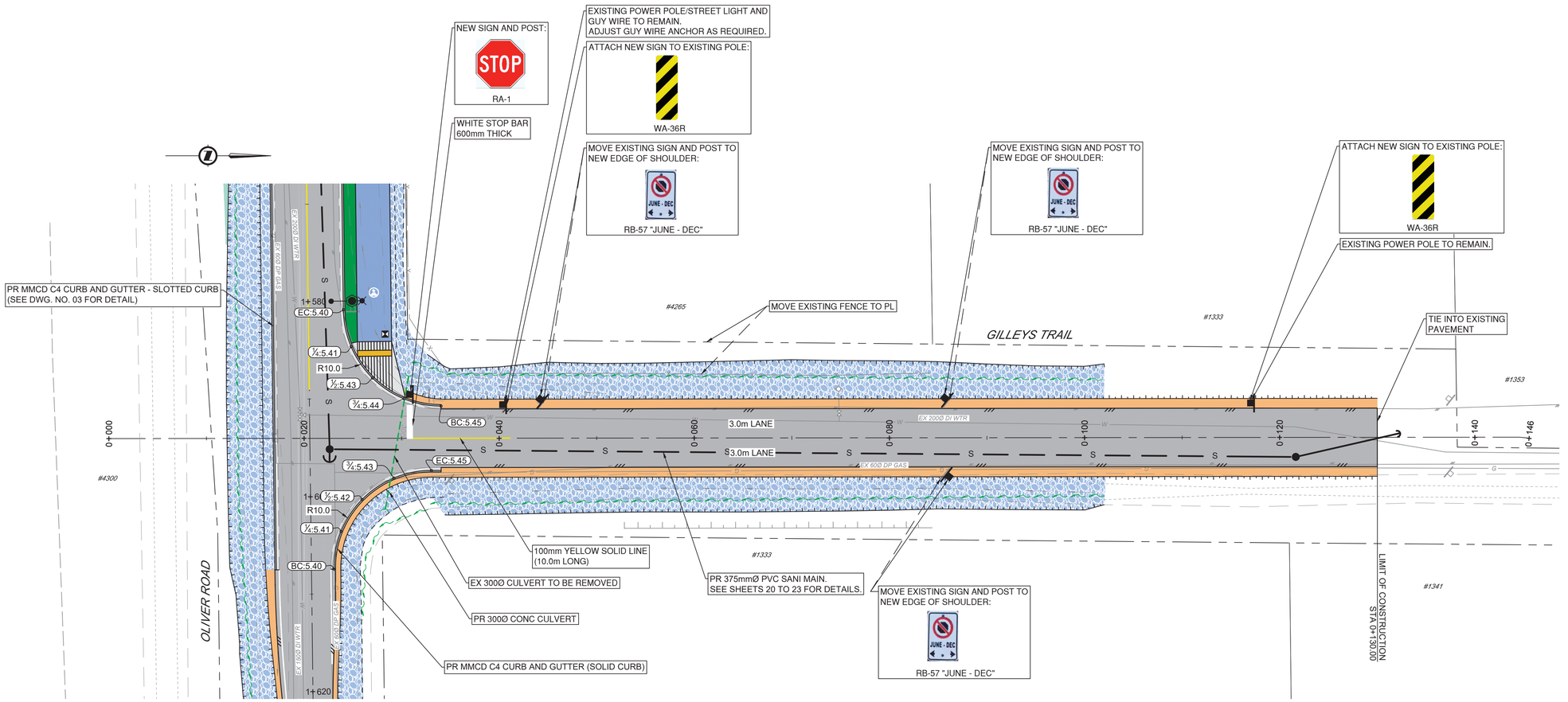
DESIGN NO. 33527

ISL
#201, 3990 Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

SCALE	1:250	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB
			REV. D

DWG. NO. 12 OF 34

File: c:\ADSK\ACCDocs\ISL\32628_coq_cedardrive-phase1roadwork's\project files\02_CADD\20_drafting\203_sheets\phase 1 - cedar drive upgrades\32628_SH_Roadworks_and_Water_Phase_1.dwg



GILLEYS TRAIL - SITE PLAN
SCALE: 1:250

SURFACE TREATMENT

ROAD SURFACE:
- 50 mm TOP LIFT ASPHALT (UPPER COURSE #1)
- 50 mm BASE LIFT (LOWER COURSE #1)
- 150 mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE

MULTI-USE PATH:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE

ASPHALT DRIVEWAY:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE (OPTIONAL AS DIRECTED BY CA)

GRAVEL DRIVEWAY / SHOULDER:
- 150mm OF 19mm MINUS GRANULAR BASE

200mm OF 75mm CLEAR CRUSHED GRAVEL

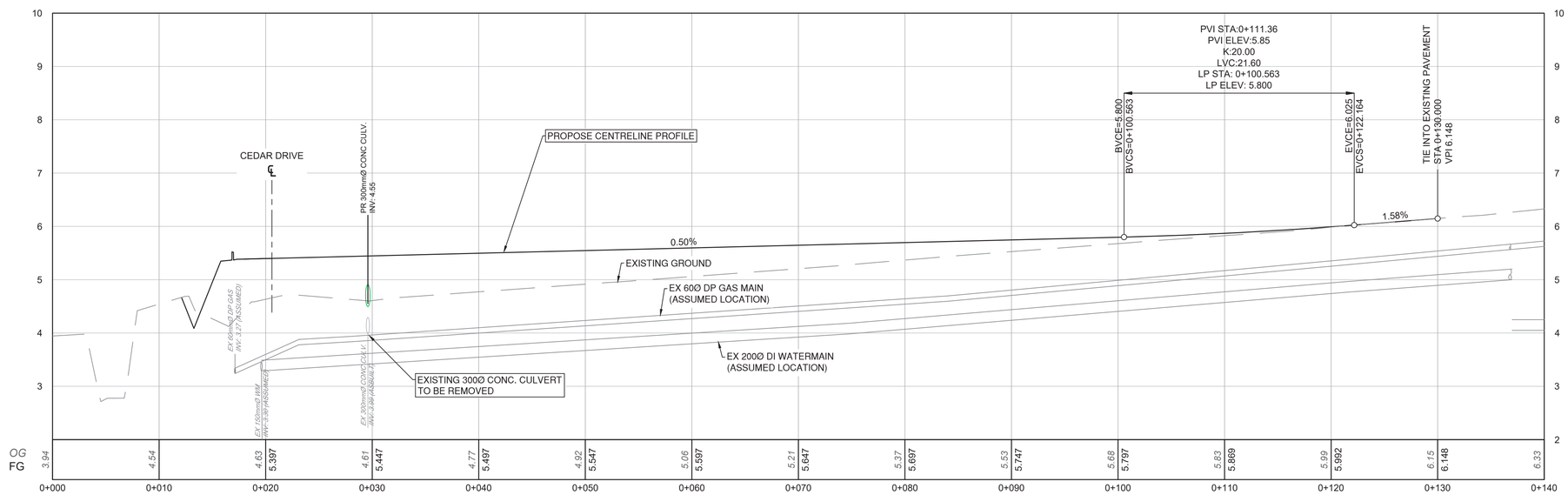
600mm OF 300mm RIPRAP

150mm TOPSOIL AND SODDING

100mm TOPSOIL AND HYDROSEED

CONCRETE

RIPARIAN PLANTING
- SEE SHEETS 27 TO 32 FOR DETAILS



GILLEYS TRAIL - PROFILE VIEW
SCALE: 1:250H / 1:50V

SUPERELEVATION TABLE		
GILLEYS TRAIL		
Station	Left Lane	Right Lane
0+034.04m	0.00%	0.00%
0+060.00m	-2.50%	-2.50%
0+120.00m	-2.50%	-2.50%
0+130.00m	Meet (Approx. -2.1%)	Meet (Approx. -1.5%)

1:250 0 5 15m

ISSUED FOR TENDER DESIGN NO. 33527

PLOT DATE: April 7, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ROAD + WATER

GILLEY'S TRAIL
CEDAR DRIVE UPGRADES - PHASE 2

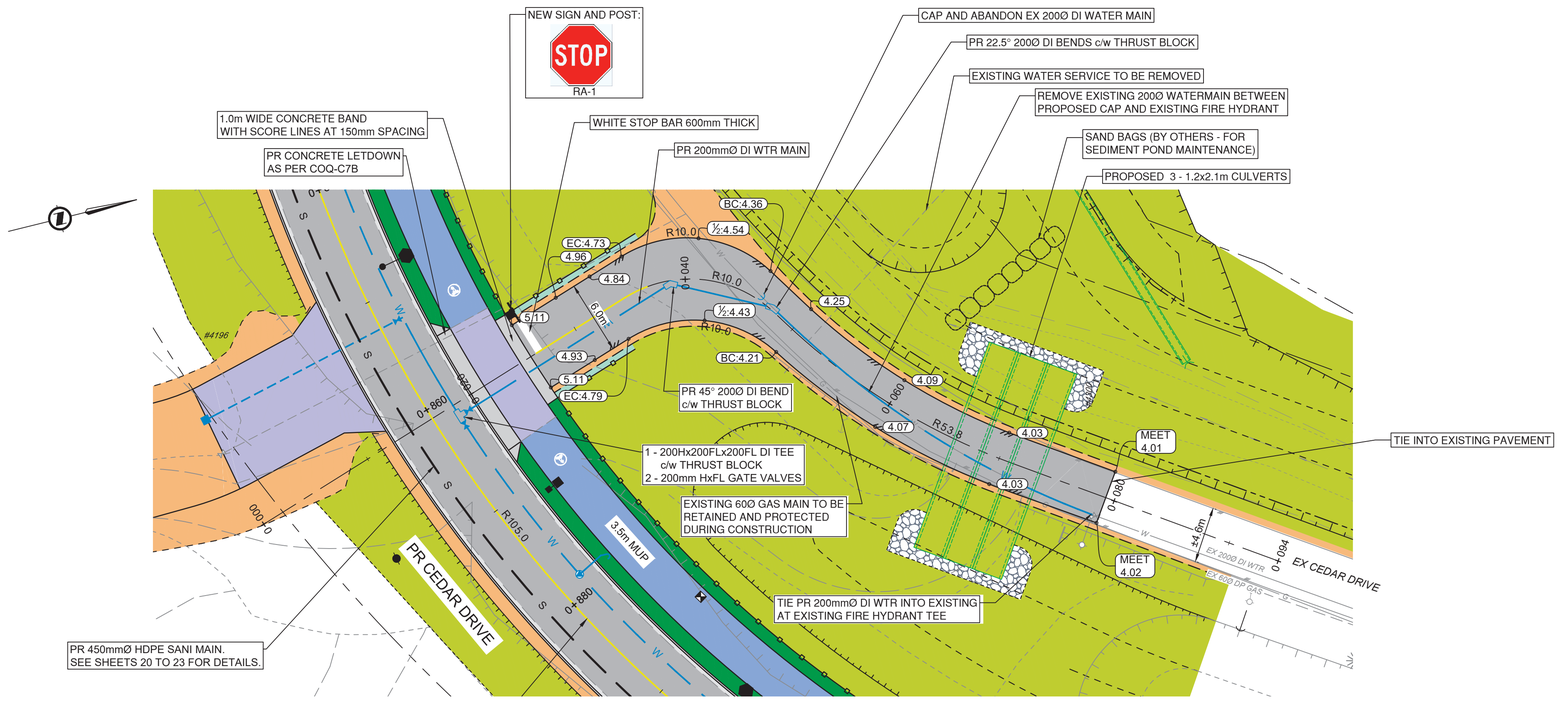
G. DE SOUZA ATAIDE # 80849
2025-04-07

ISL
#201, 3999 Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

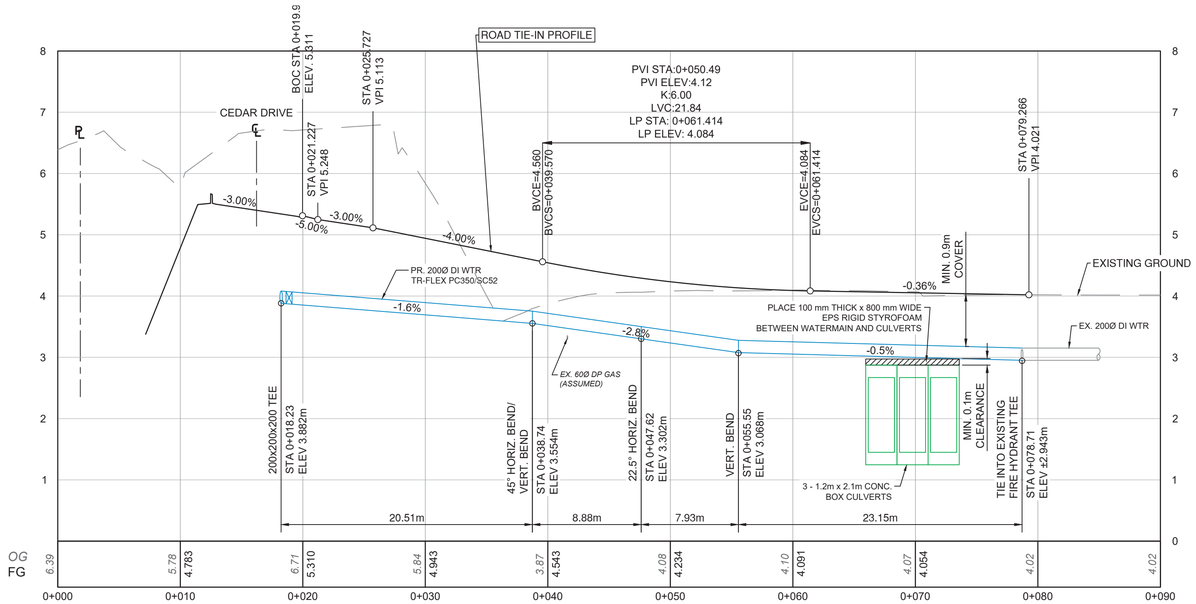
SCALE	1:250	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 13 OF 34
REV. D

File: c:\ADSKACCDocs\ISL\32628_coq_cedardrive-phase1\roadworks\project files\02_CADD\20_drafting\203_sheets\phase 1 - cedar drive upgrades\32628_SH_Roadworks_and_Water_Phase_1.dwg



ROAD TIE-IN SOUTH - SITE PLAN
SCALE: 1:250



ROAD TIE-IN SOUTH - PROFILE VIEW
SCALE: 1:250H / 1:50V

SURFACE TREATMENT

ROAD SURFACE:
- 50 mm TOP LIFT ASPHALT (UPPER COURSE #1)
- 50 mm BASE LIFT (LOWER COURSE #1)
- 150 mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE

MULTI-USE PATH:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE

ASPHALT DRIVEWAY:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE
-200mm OF 75mm MINUS GRANULAR SUBBASE (OPTIONAL AS DIRECTED BY CA)

GRAVEL DRIVEWAY / SHOULDER:
- 150mm OF 19mm MINUS GRANULAR BASE

200mm OF 75mm CLEAR CRUSHED GRAVEL

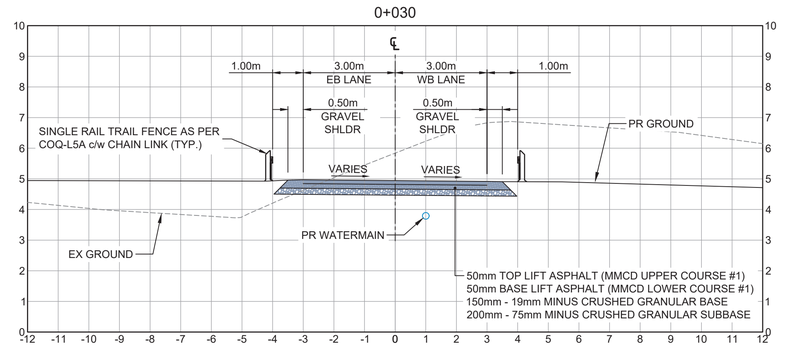
600mm OF 300mm RIPRAP

150mm TOPSOIL AND SODDING

100mm TOPSOIL AND HYDROSEED

CONCRETE

RIPARIAN PLANTING
- SEE SHEETS 27 TO 32 FOR DETAILS



ROAD TIE-IN SOUTH - TYPICAL SECTION
SCALE: 1:100

PLOT DATE: April 7, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ROAD + WATER

ROAD TIE-IN SOUTH
CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
G. DE SOUZA ATAIDE
60849
2025-04-07

1:250 0 5 15m

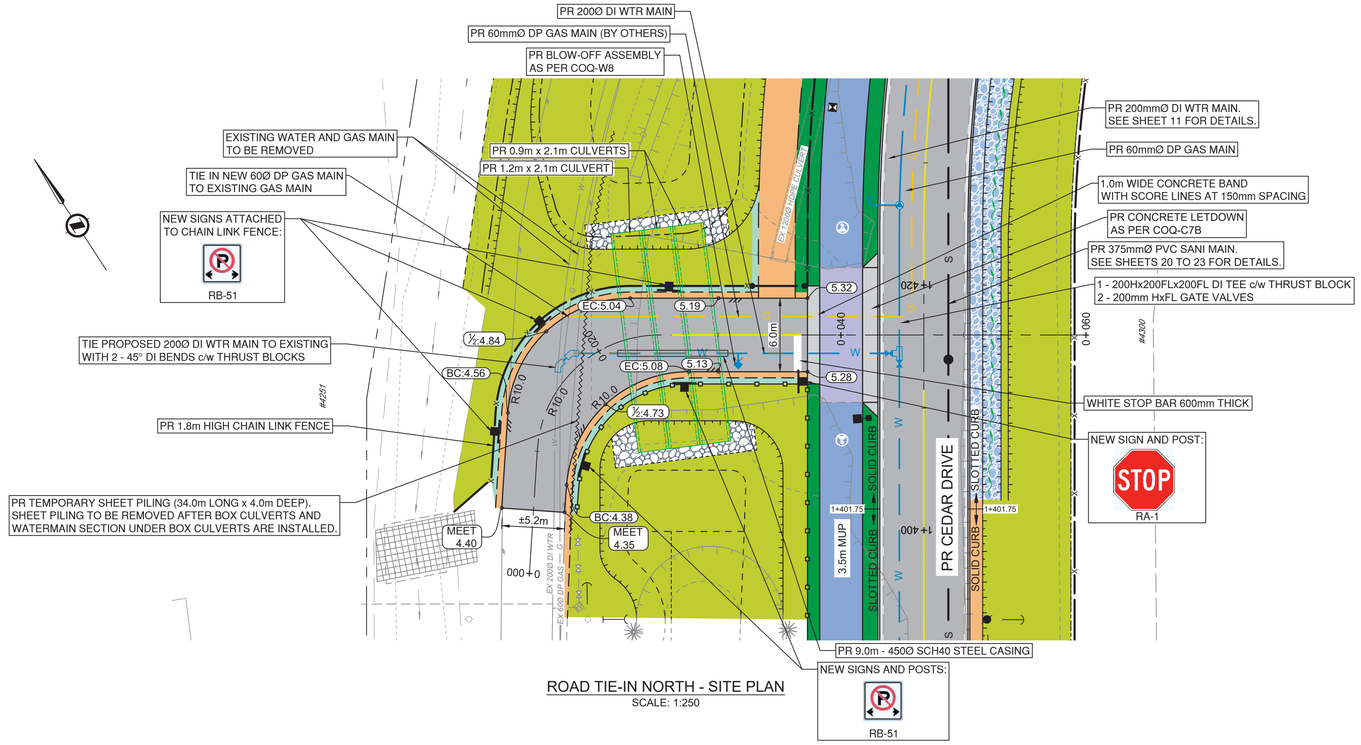
ISSUED FOR TENDER DESIGN NO. 33527

ISL
#201, 3999 Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

SCALE	1:250	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 14 OF 34
REV. D

File: c:\ADSKACCDocs\ISL\32628_coq_cedardrive-phase1\roadworks\project files\02_CADD\20_drafting\003_sheets\phase 1 - cedar drive upgrades\32628_SH_Road_Tie-ins_Phase_1.dwg



ROAD TIE-IN NORTH - SITE PLAN
SCALE: 1:250

SURFACE TREATMENT

ROAD SURFACE:
- 50 mm TOP LIFT ASPHALT (UPPER COURSE #1)
- 50 mm BASE LIFT (LOWER COURSE #1)
- 150 mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE

MULTI-USE PATH:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE

ASPHALT DRIVEWAY:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE
-200mm OF 75mm MINUS GRANULAR SUBBASE (OPTIONAL AS DIRECTED BY CA)

GRAVEL DRIVEWAY / SHOULDER:
- 150mm OF 19mm MINUS GRANULAR BASE

200mm OF 75mm CLEAR CRUSHED GRAVEL

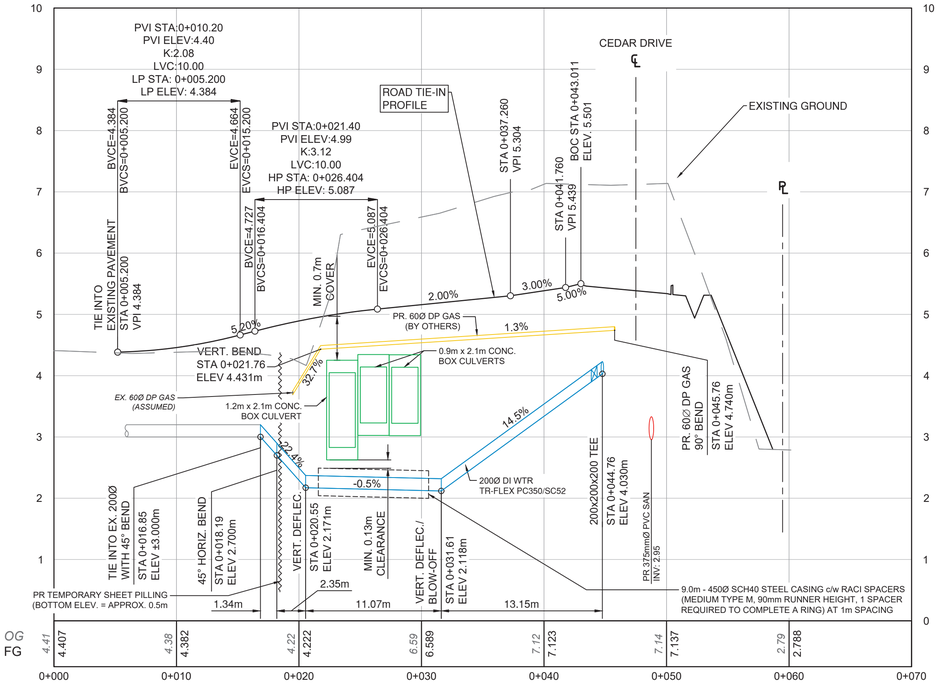
600mm OF 300mm RIPRAP

150mm TOPSOIL AND SODDING

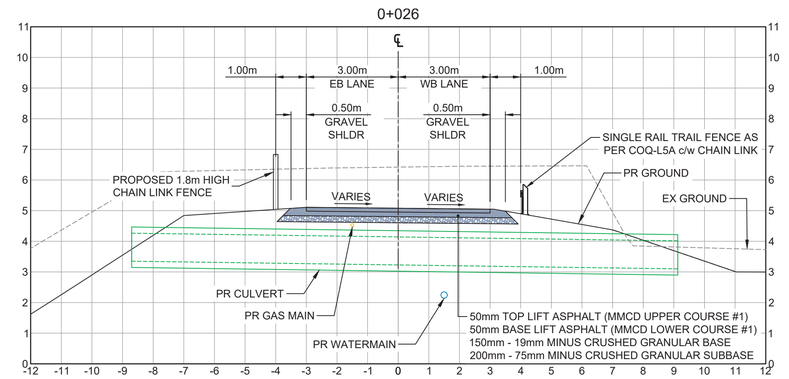
100mm TOPSOIL AND HYDROSEED

CONCRETE

RIPARIAN PLANTING
- SEE SHEETS 27 TO 32 FOR DETAILS



ROAD TIE-IN NORTH - PROFILE VIEW
SCALE: 1:250H / 1:50V



ROAD TIE-IN NORTH - TYPICAL SECTION
SCALE: 1:100

1:250 0 5 15m

PLOT DATE: April 7, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ROAD + WATER

ROAD TIE-IN NORTH
CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA G. DE SOUZA ATAIDE # 50849 2025-04-07

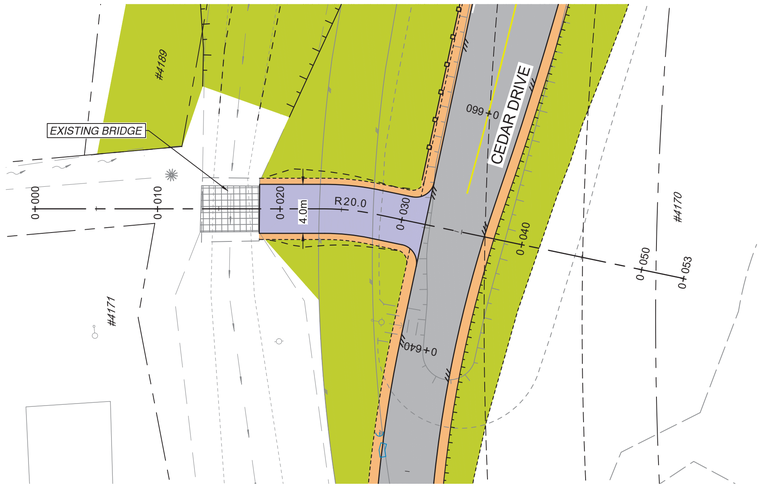
ISL
#201, 3999 Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

ISSUED FOR TENDER DESIGN NO. 33527

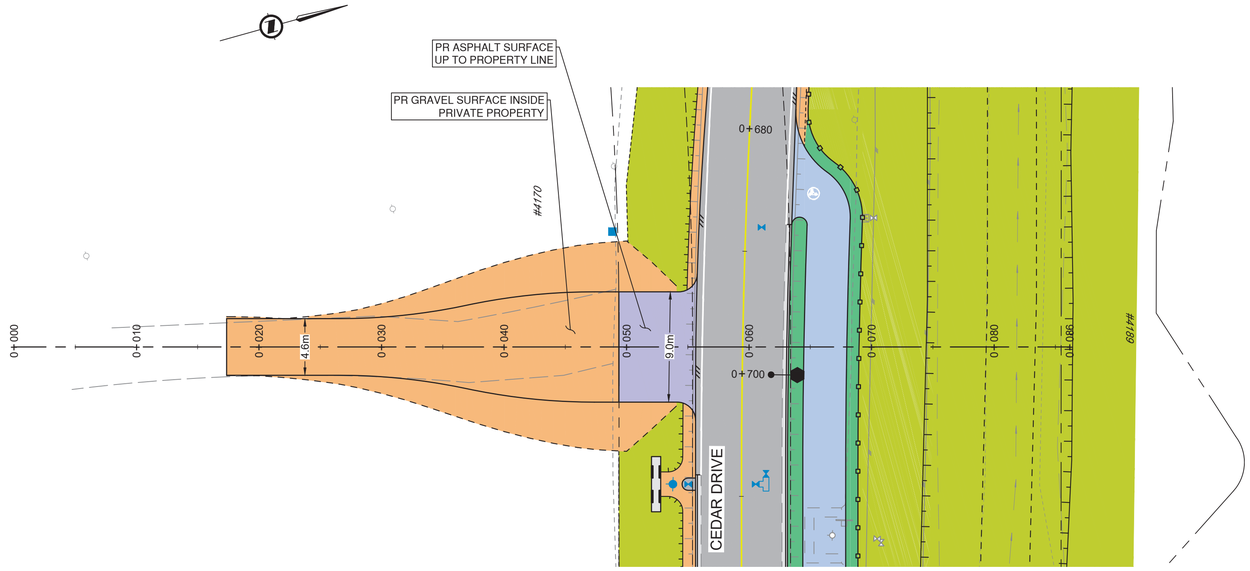
SCALE	1:250	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 15 OF 34
REV. D

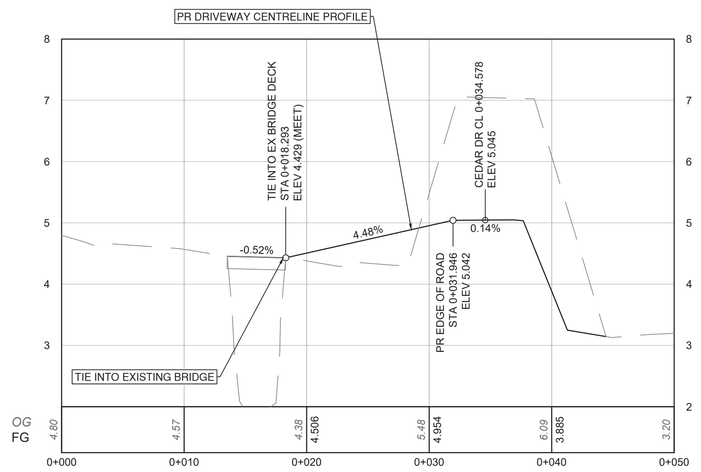
File: c:\ADSKACCDocs\ISL\32628_coq_cedardrive-phase1\roadworks\project files\02_CADD\20_drafting\203_sheets\phase 1 - cedar drive upgrades\32628_SH_Road_Tie-ins_Phase_1.dwg



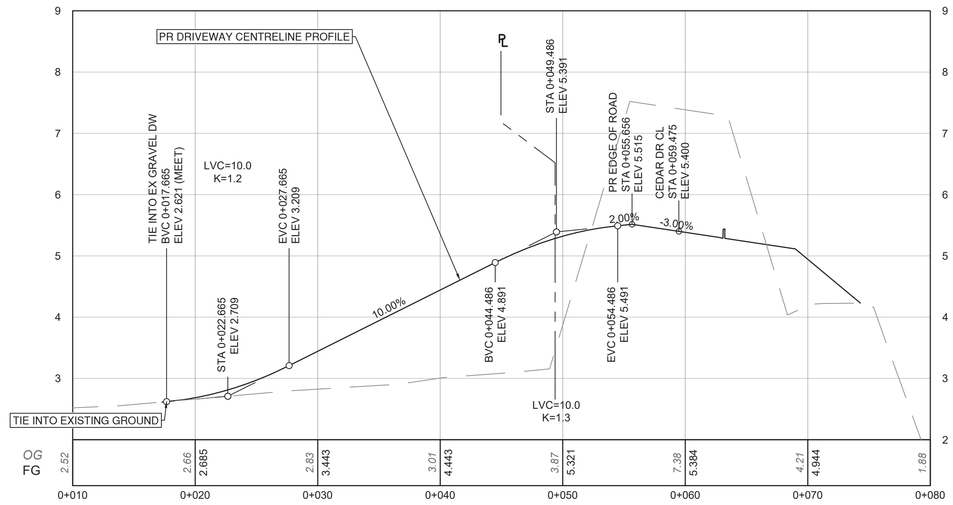
#4171 DRIVEWAY
PLAN
SCALE 1:250



#4170 DRIVEWAY
PLAN
SCALE 1:250



#4171 DRIVEWAY
PROFILE
SCALE 1:250H / 1:50V



#4170 DRIVEWAY
PROFILE
SCALE 1:250H / 1:50V

1:250 0 5 15m

PLOT DATE: April 2, 2025

ISSUED FOR TENDER DESIGN NO. 33527

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ROAD WORKS

PROPERTIES 4171 AND 4170
CEDAR DRIVE UPGRADES - PHASE 2

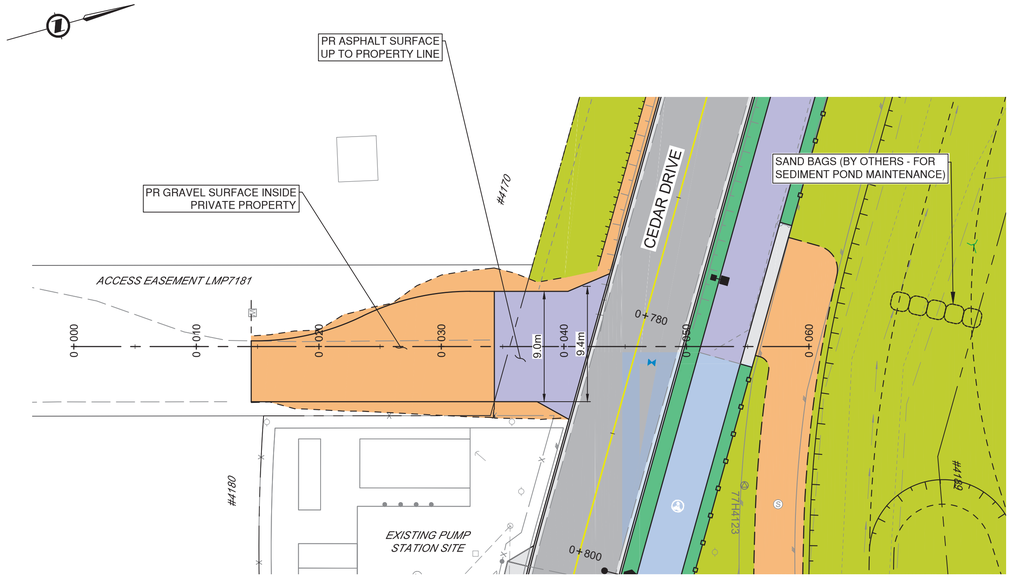
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
G. DE SOUZA ATAIDE
50849
2025-04-07

ISL
#503, 4190 Lougheed Hwy, Burnaby, B.C. V5C 6A8
T: (604)629-2696 F: (604)629-2698

SCALE	AS SHOWN	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

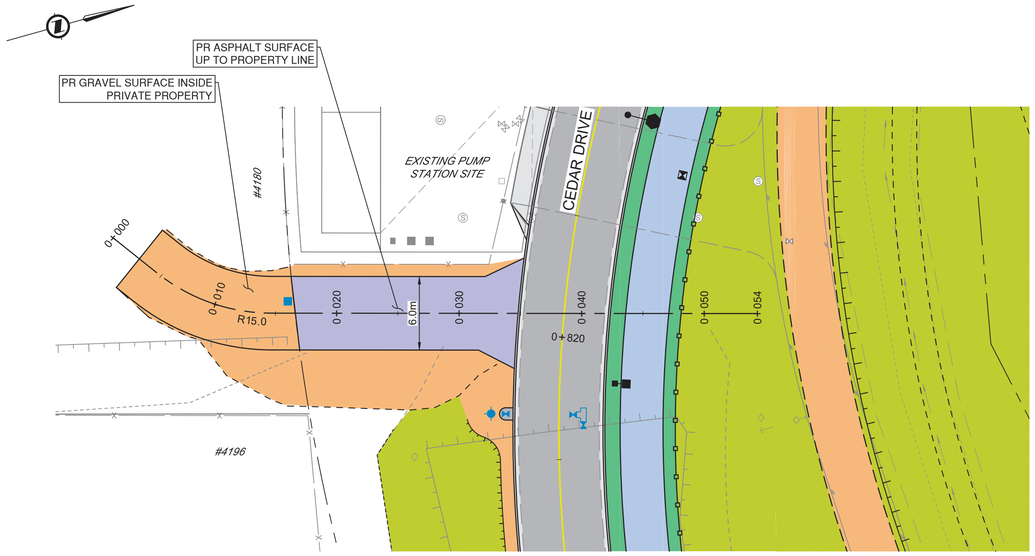
DWG. NO. 16 OF 34
REV. D

File: c:\ADSKACCDocs\ISL\32628_coq_cedardrive-phase1\roadworks\project files\02_CADD\20_drafting\203_sheets\phase 1 - cedar drive upgrades\32628_SH_Driveways_Phase_1.dwg



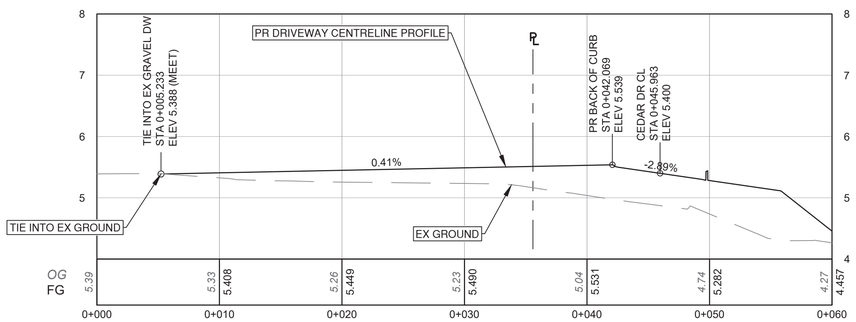
#4182 DRIVEWAY PLAN

SCALE 1:250



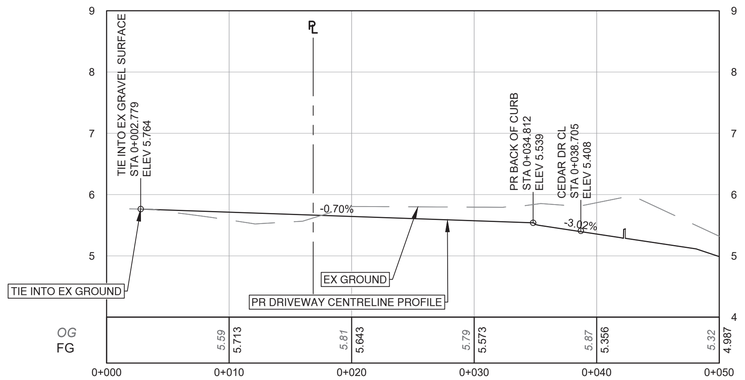
#4180 DRIVEWAY PLAN

SCALE 1:250



#4182 DRIVEWAY PROFILE

SCALE 1:250H / 1:50V



#4180 DRIVEWAY PROFILE

SCALE 1:250H / 1:50V

1:250 0 5 15m

ISSUED FOR TENDER DESIGN NO. 33527

PLOT DATE: April 2, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ROAD WORKS

PROPERTIES 4182 AND 4180

CEDAR DRIVE UPGRADES - PHASE 2

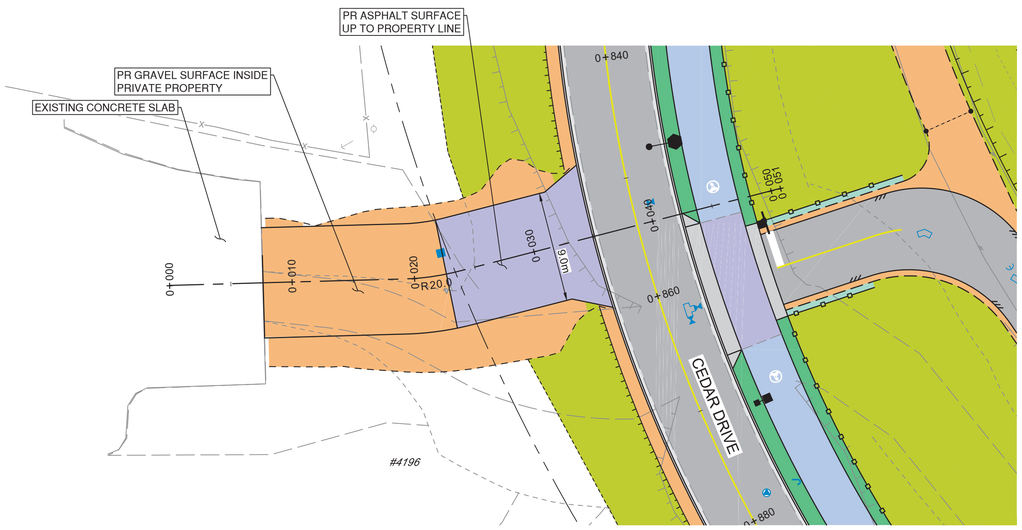
PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA G. DE SOUZA ATAIDE # 60849 2025-04-07

ISL
#503, 4190 Lougheed Hwy, Burnaby, B.C. V5C 6A8
T: (604)629-2696 F: (604)629-2698

SCALE	AS SHOWN	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

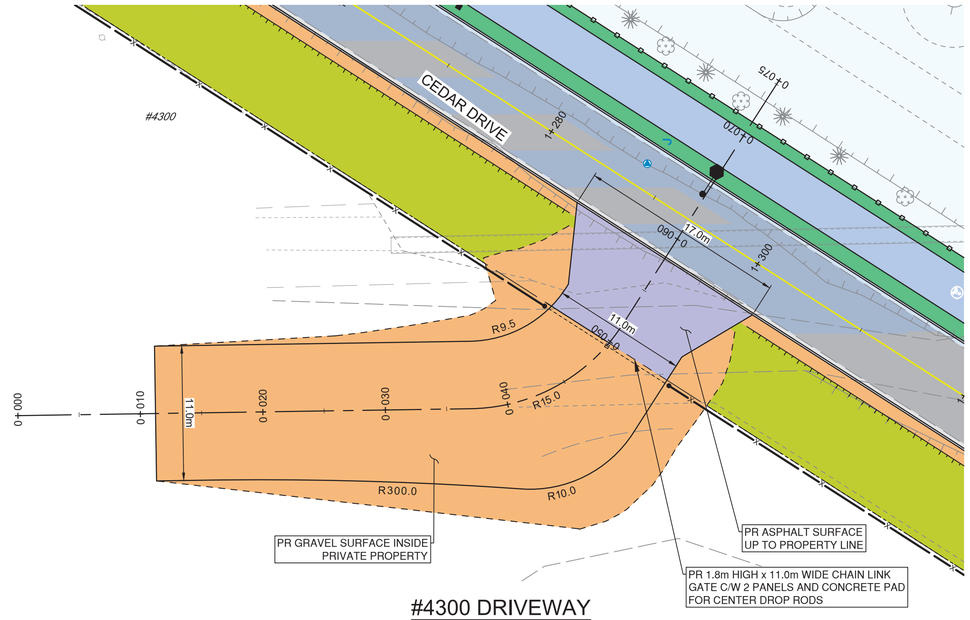
DWG. NO. 17 OF 34 REV. D

File: C:\ADSK\ACCDocs\ISL\32628_coq_cedardrive-phase1\roadworks\project files\02_CAD\20_drafting\203_sheets\phase 1 - cedar drive upgrades\32628_SH_Driveways_Phase_1.dwg



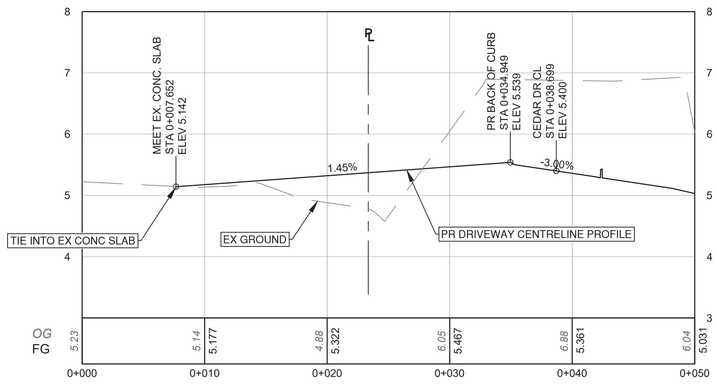
#4196 DRIVEWAY PLAN

SCALE 1:250



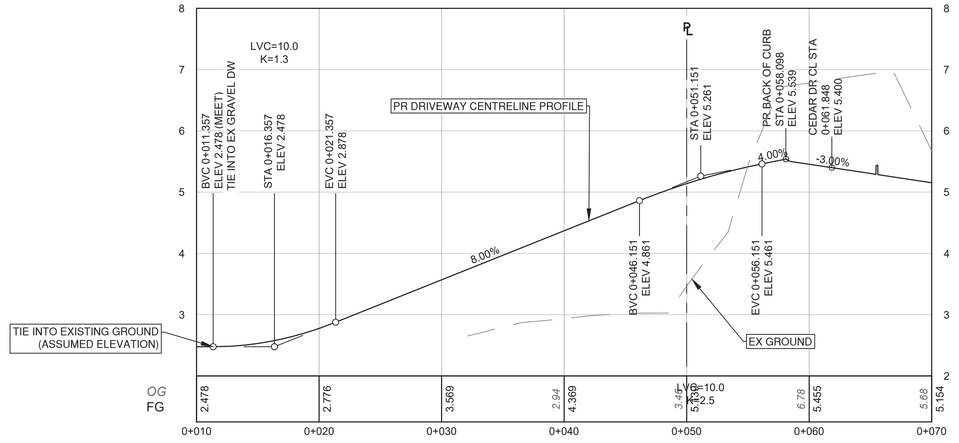
#4300 DRIVEWAY PLAN

SCALE 1:250



#4196 DRIVEWAY PROFILE

SCALE 1:250H / 1:50V



#4300 DRIVEWAY PROFILE

SCALE 1:250H / 1:50V

1:250 0 5 15m

PLOT DATE: April 2, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ROAD WORKS

PROPERTY 4196 AND 4300

CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER PROVINCE OF BC
G. DE SOUZA ATAIDE
60849
BRITISH COLUMBIA
2025-04-07

ISL
#503, 4190 Lougheed Hwy, Burnaby, B.C. V5C 6A8
T: (604)629-2696 F: (604)629-2698

ISSUED FOR TENDER

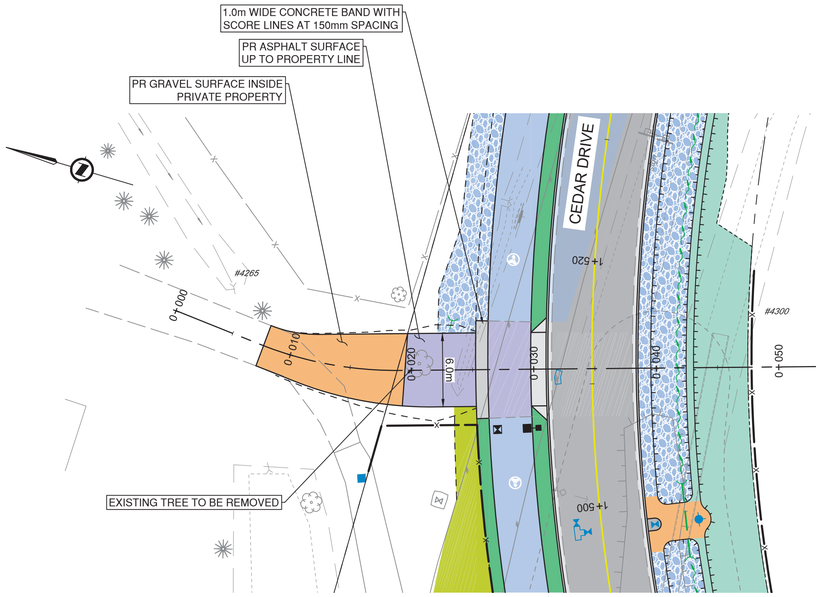
DESIGN NO. 33527

SCALE	AS SHOWN	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 18 OF 34

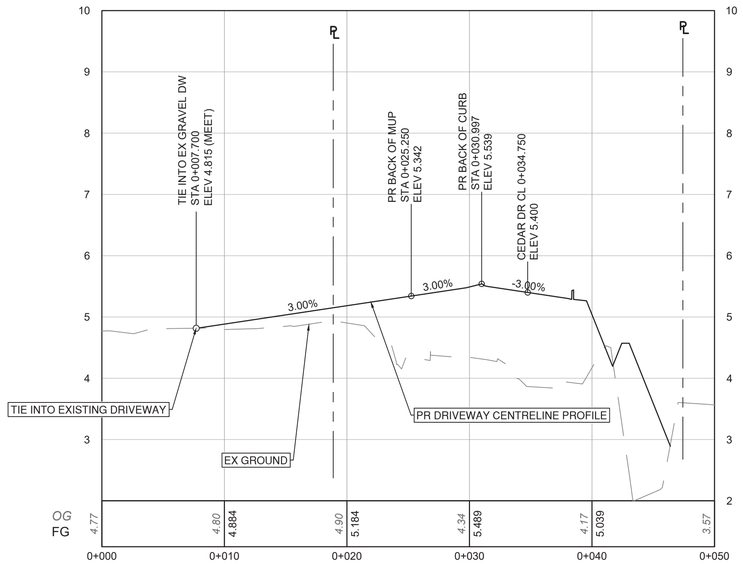
REV. D

File: c:\ADS\KA\CCDocs\ISL\32628_coq_cedardrive-phase1roadworks\project files\02_CADD\20_drafting\203_sheets\phase 1 - cedar drive upgrades\32628_SH_Driveways_Phase_1.dwg



#4265 DRIVEWAY PLAN

SCALE 1:250



#4265 DRIVEWAY PROFILE

SCALE 1:250H / 1:50V

1:250 0 5 15m

ISSUED FOR TENDER DESIGN NO. 33527

PLOT DATE: April 2, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ROAD WORKS

PROPERTY 4265

CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — G. DE SOUZA ATAIDE # 50849 — 2025-04-07

ISL
#503, 4190 Lougheed Hwy, Burnaby, B.C. V5C 6A8
T: (604)629-2696 F: (604)629-2698

SCALE	AS SHOWN	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 19 OF 34 REV. D

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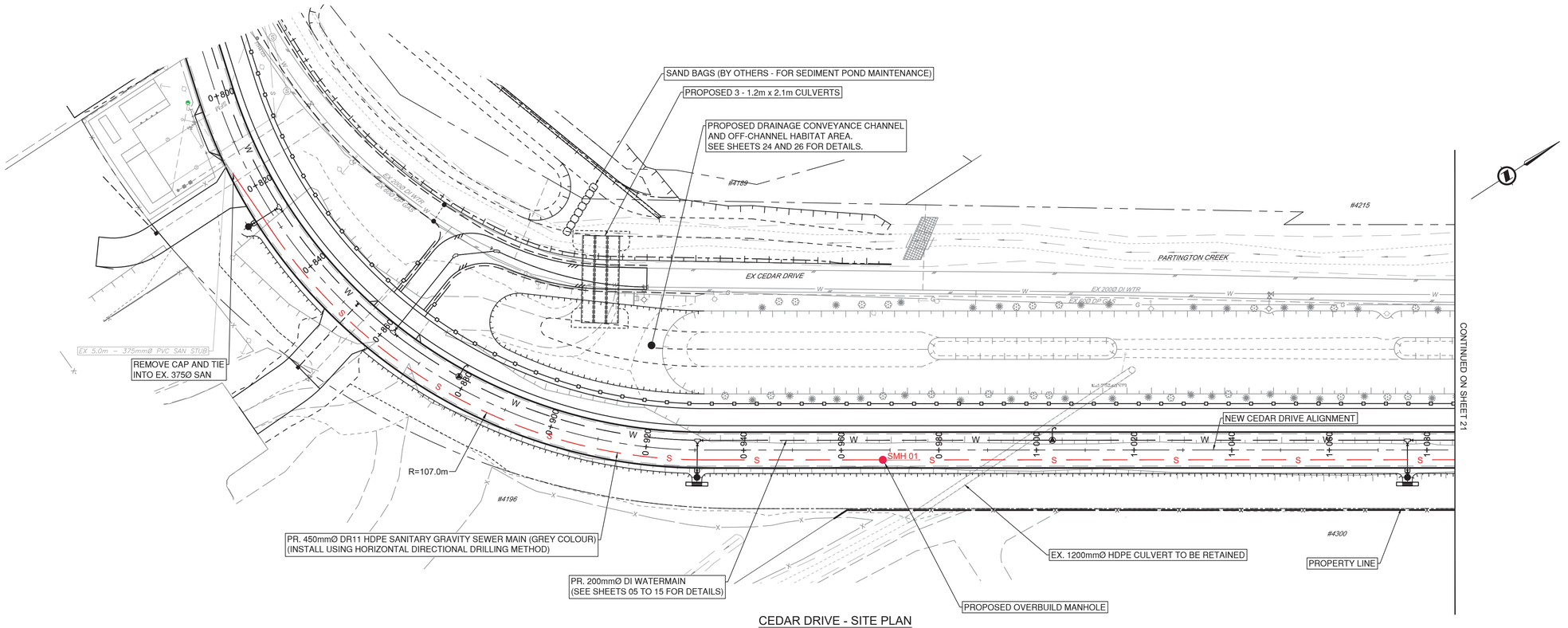
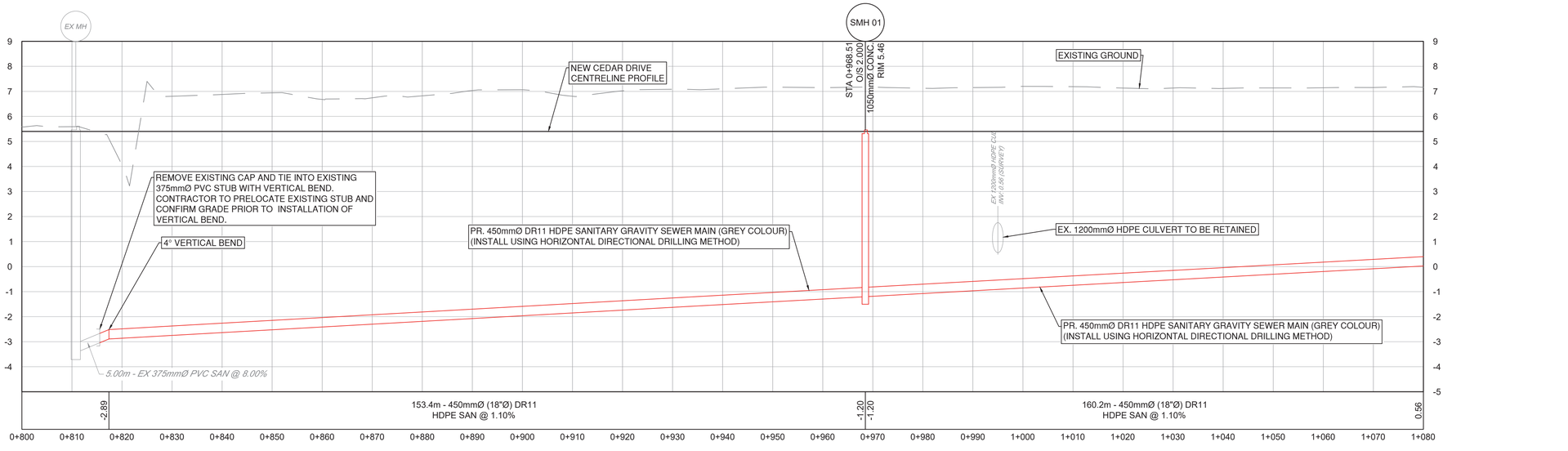


CEDAR DRIVE - SITE PLAN
SCALE: 1:500



CEDAR DRIVE - PROFILE VIEW
SCALE: 1:500H / 1:100V

PLOT DATE: April 1, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

SANITARY SEWER

STA 0+800 TO 1+080

CEDAR DRIVE UPGRADES - PHASE 2

1:500 0 10 30m

ISSUED FOR TENDER DESIGN NO. 33527

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — G. DE SOUZA ATAIDE # 50849 — 2025-04-07

ISL
#201, Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

SCALE	AS SHOWN	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 20 OF 34 REV. D

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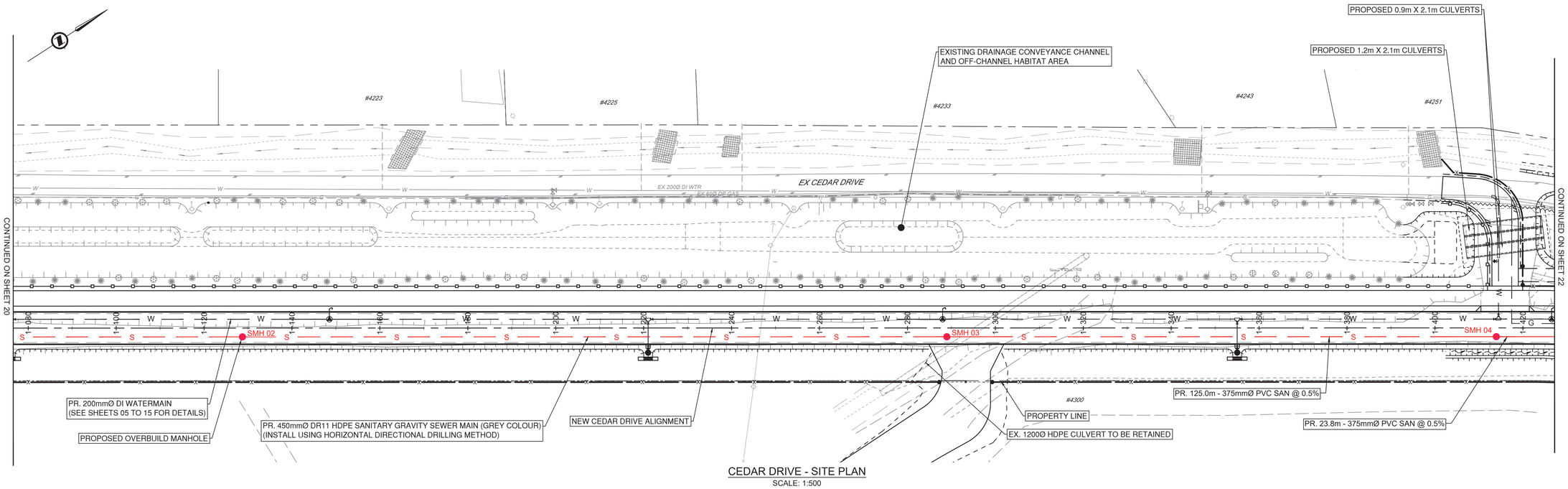
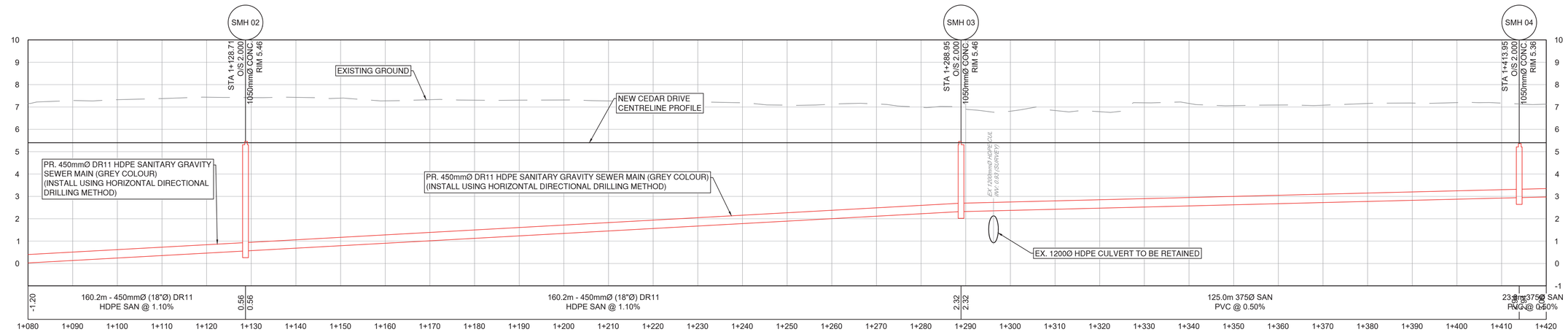


CEDAR DRIVE - SITE PLAN
SCALE: 1:500



CEDAR DRIVE - PROFILE VIEW
SCALE: 1:500H / 1:100H

PLOT DATE: April 1, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

SANITARY SEWER

STA 1+080 TO 1+420
CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER — G. DE SOUZA ATAIDE — # 50849 — BRITISH COLUMBIA — 2025-04-07

1:500 0 10 30m

ISSUED FOR TENDER DESIGN NO. 33527

ISL
#201, Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

SCALE	AS SHOWN	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 21 OF 34 REV. D

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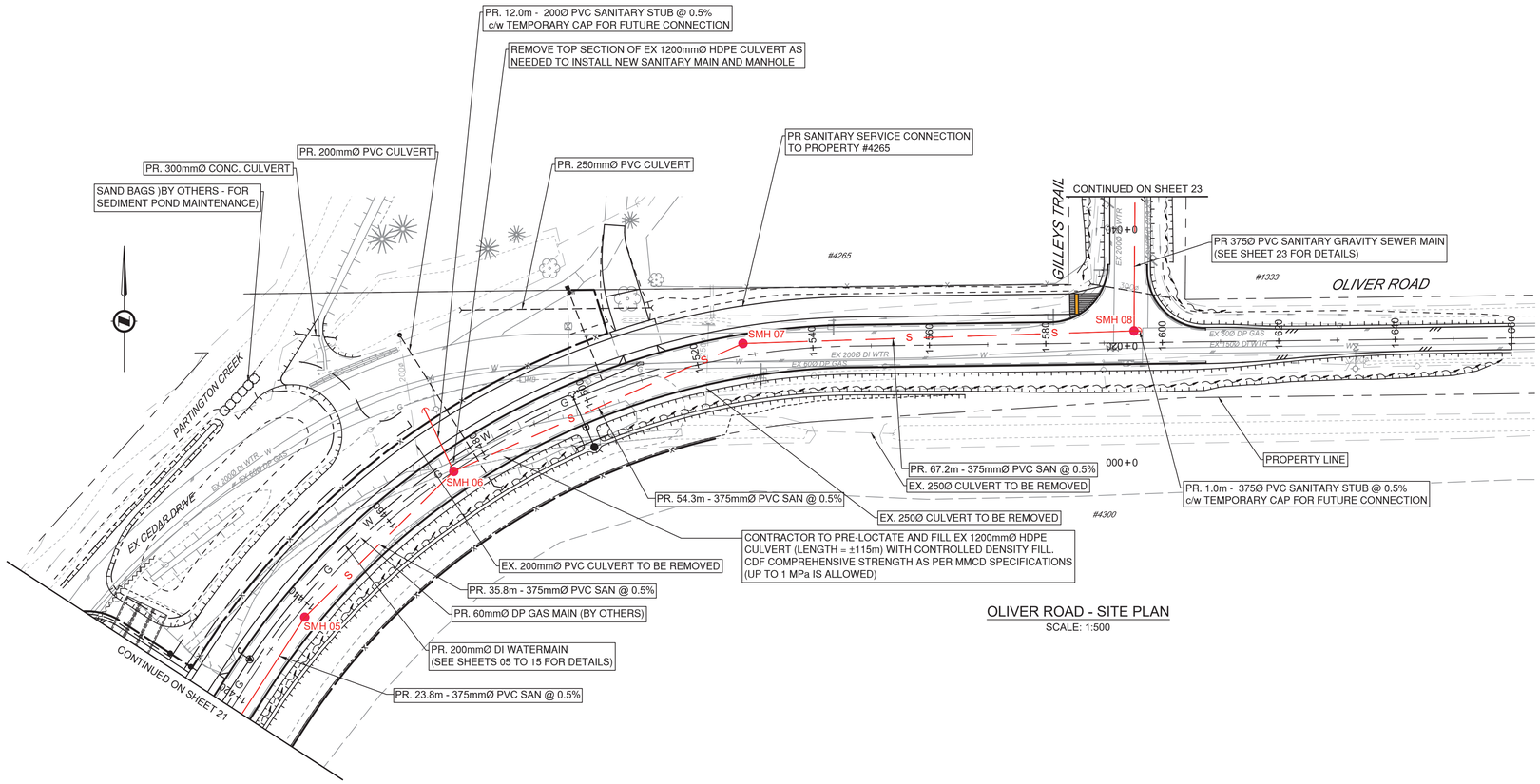
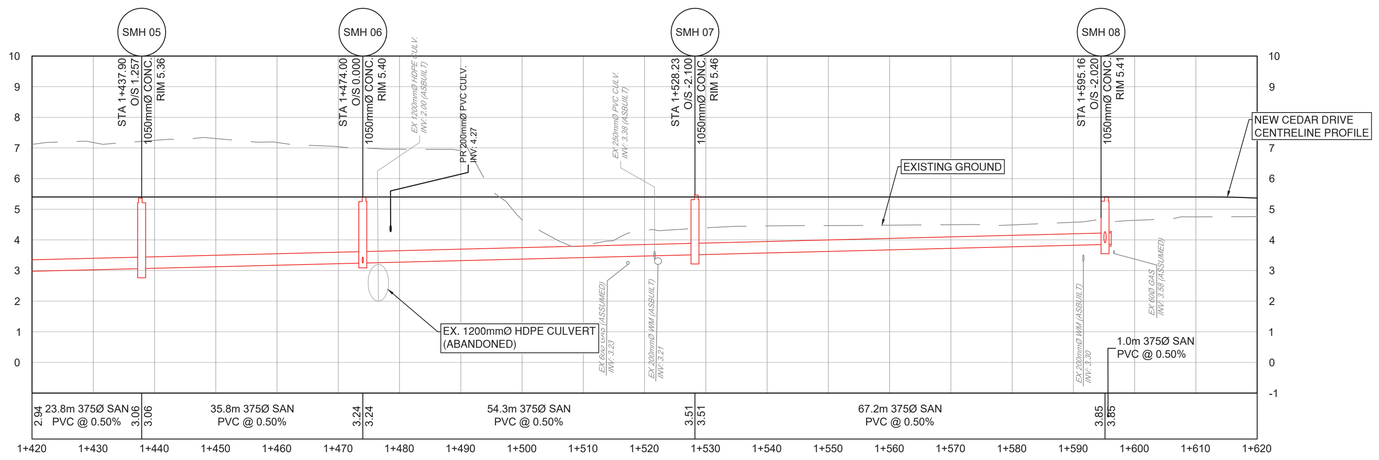


OLIVER ROAD - SITE PLAN
SCALE: 1:500



OLIVER ROAD - PROFILE VIEW
SCALE: 1:500H / 1:50V

1:500 0 10 30m

PLOT DATE: April 1, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
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C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

SANITARY SEWER

STA 1+420 TO 1+660
CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
G. DE SOUZA ATAIDE
50849
2025-04-07

ISL
#201, Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

ISSUED FOR TENDER DESIGN NO. 33527

SCALE	AS SHOWN	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 22 OF 34
REV. D

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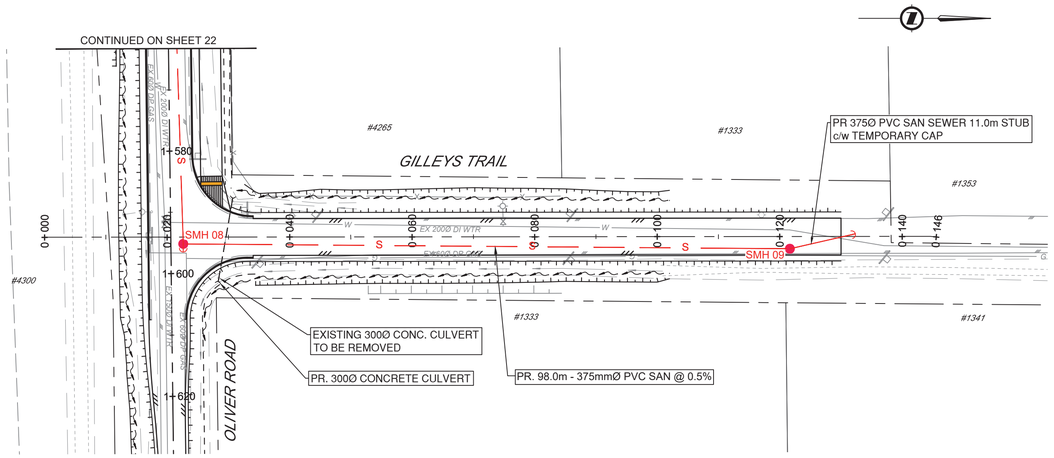
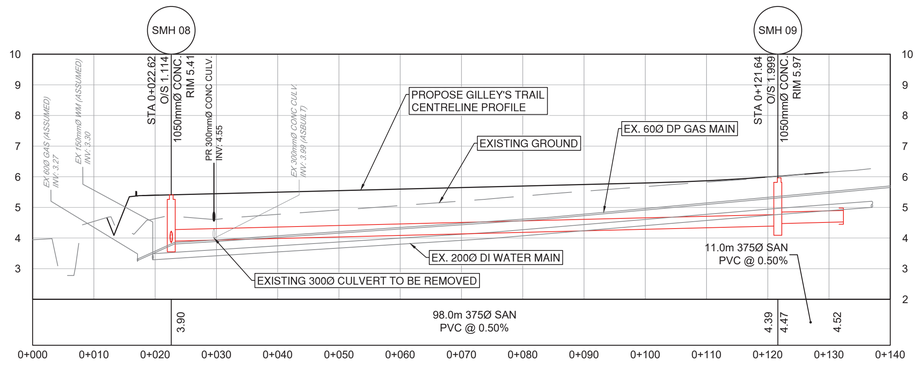


GILLEYS TRAIL - SITE PLAN
SCALE: 1:500



GILLEYS TRAIL - PROFILE VIEW
SCALE: 1:500H / 1:50V

PLOT DATE: April 1, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
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C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

SANITARY SEWER

GILLEY'S TRAIL
CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
G. DE SOUZA ATAIDE
50849
2025-04-07

1:500 0 10 30m

ISSUED FOR TENDER DESIGN NO. 33527

ISL
#201, Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

SCALE	AS SHOWN	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 23 OF 34
REV. D

File: c:\ADSKACCDocs\ISL\32628_coq_cedardrive-phase1roadworks\project files\02_CADD\20_drafting\203_sheets\phase 1 - cedar drive upgrades\32628_SH_Sanitary_Phase_1.dwg

SEE DWG. NO. 27 TO 32 FOR PROPOSED CREEK TREATMENT DETAILS

DIVERSION PIPE FOR CREEK BYPASS DURING POND MAINTENANCE

TOP OF CUT

NEW R.O.W / PROPERTY LINE

IN-LINE SEDIMENT POND. SEE DWG. NO. 27 TO 32 FOR PROPOSED TREATMENT DETAILS.

BENCH

SAND BAGS (BY OTHERS - FOR SEDIMENT POND MAINTENANCE)

SEE DWG. NO. 25 FOR PROPOSED CULVERTS DETAILS

SEE DWG. NO. 27 TO 32 FOR PROPOSED OFF-CHANNEL ENHANCEMENT TREATMENT DETAILS

WELLON STREET

PARTINGTON CREEK

NEW CEDAR DRIVE

SAND BAGS (BY OTHERS - FOR SEDIMENT POND MAINTENANCE)

EXISTING SANITARY PUMP STATION

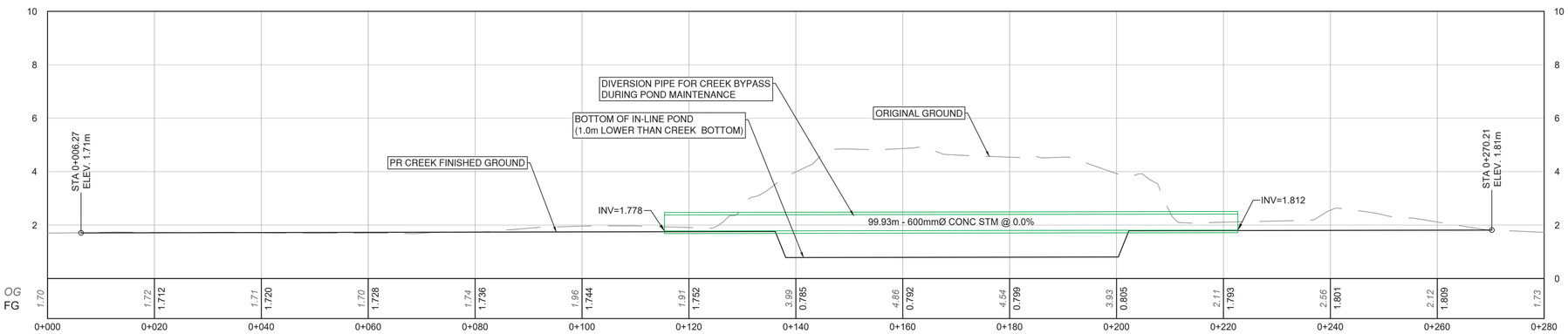
PR 200mmØ DI WATER MAIN. SEE SHEETS 05 TO 15 FOR DETAILS.

PR 450mmØ HDPE SANITARY SEWER MAIN. SEE SHEETS 20 TO 23 FOR DETAILS.

#4171 #4181 #4170 #4196

PARTINGTON CREEK CONVEYANCE IMPROVEMENT AND OFF-CHANNEL ENHANCEMENT
PLAN VIEW

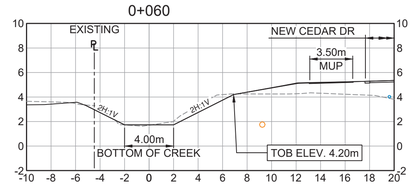
SCALE 1:500



PARTINGTON CREEK CONVEYANCE IMPROVEMENT AND OFF-CHANNEL ENHANCEMENT
PROFILE VIEW

SCALE 1:500H / 1:100V

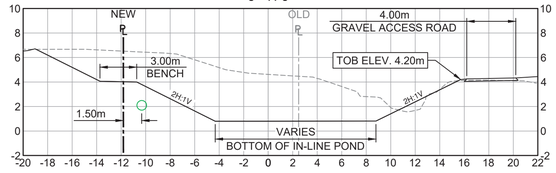
0+060



PARTINGTON CREEK IMPROVEMENT
CROSS-SECTION

SCALE 1:250H / 1:250V

0+170



IN-LINE SEDIMENT POND - CROSS-SECTION

SCALE 1:250H / 1:250V

SURFACE TREATMENT

ROAD SURFACE:
- 50 mm TOP LIFT ASPHALT (UPPER COURSE #1)
- 50 mm BASE LIFT (LOWER COURSE #1)
- 150 mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE

MULTI-USE PATH:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE

ASPHALT DRIVEWAY:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE (OPTIONAL AS DIRECTED BY CA)

GRAVEL DRIVEWAY / SHOULDER:
- 150mm OF 19mm MINUS GRANULAR BASE

200mm OF 75mm CLEAR CRUSHED GRAVEL

600mm OF 300mm RIPRAP

150mm TOPSOIL AND SODDING

100mm TOPSOIL AND HYDROSEED

CONCRETE

RIPARIAN PLANTING
- SEE SHEETS 27 TO 32 FOR DETAILS

1:500 0 10 30m

ISSUED FOR TENDER

DESIGN NO. 33527

PLOT DATE: April 7, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
B	UPDATED DETAILED DESIGN	2023/11/24	GA	CJB
C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

PARTINGTON CREEK AND IN-LINE POND
CEDAR DRIVE UPGRADES - PHASE 2

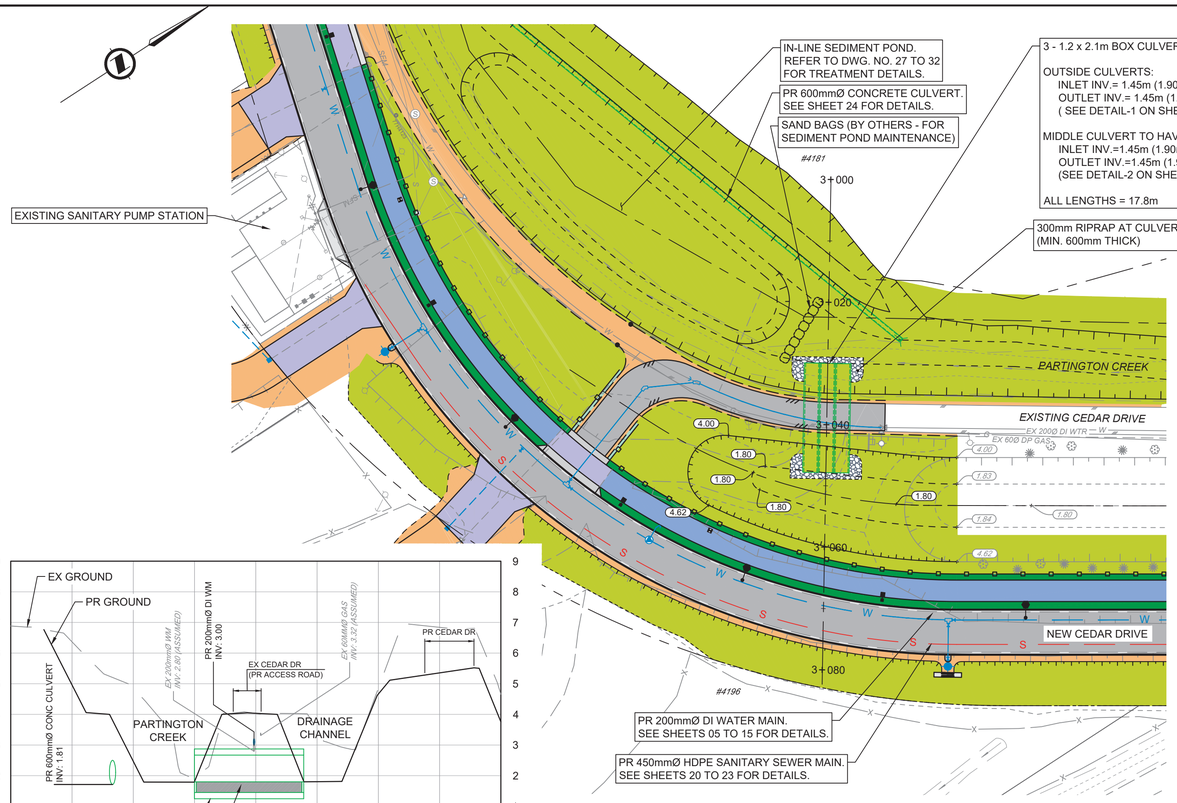
PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA G. DE SOUZA ATAIDE # 50849 2025-04-07

ISL
#503, 4190 Lougheed Hwy, Burnaby, B.C. V5C 6A8
T: (604)629-2696 F: (604)629-2698

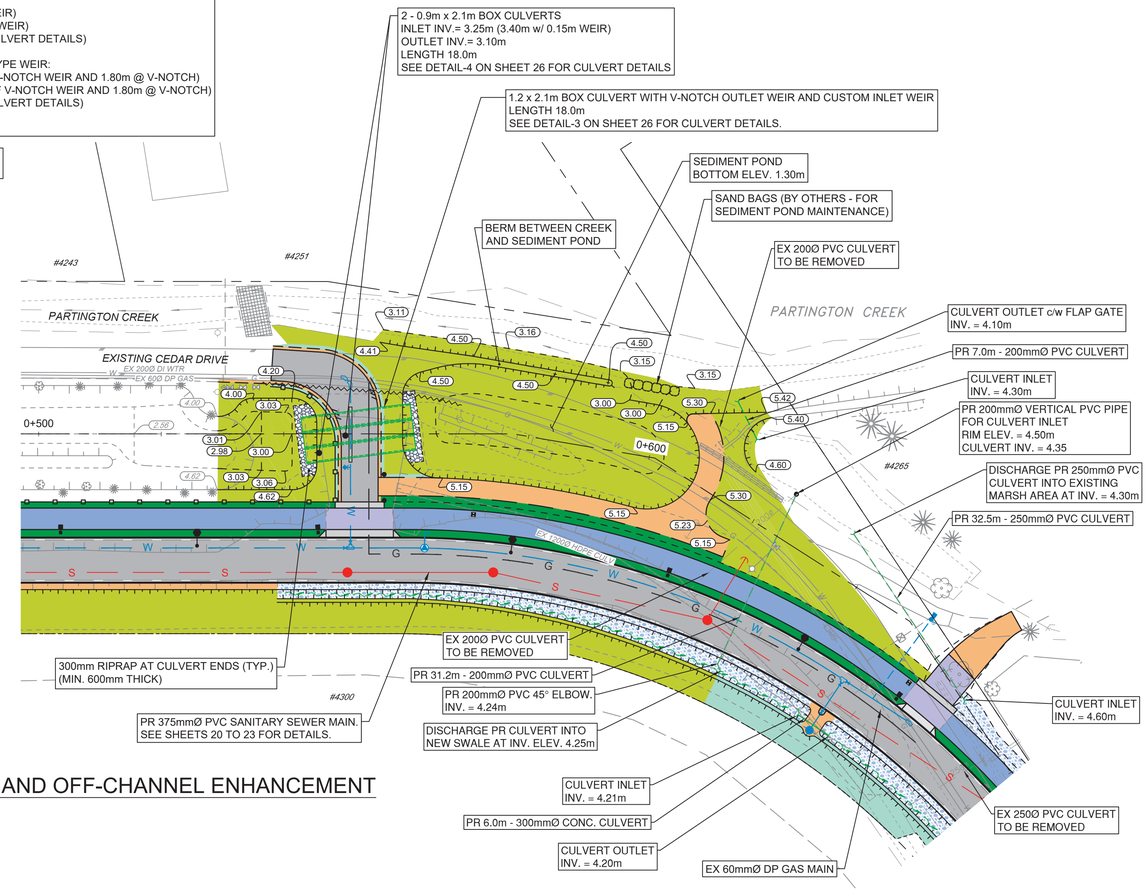
SCALE	AS SHOWN	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 24 OF 34 REV. D

File: c:\ADS\KACCDocs\ISL\33828_coq_cedardrive-phase1\roadworks\project files\02_CADD\20_drafting\203_sheets\phase 1 - cedar drive upgrades\32828_SH_Channel_Works_Phase_1.dwg



SOUTH CULVERTS
PROFILE VIEW
SCALE 1:500H / 1:100V



PARTINGTON CREEK CONVEYANCE IMPROVEMENT AND OFF-CHANNEL ENHANCEMENT
PLAN VIEW
SCALE 1:500

SURFACE TREATMENT

ROAD SURFACE:
- 50 mm TOP LIFT ASPHALT (UPPER COURSE #1)
- 50 mm BASE LIFT (LOWER COURSE #1)
- 150 mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE

MULTI-USE PATH:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE

ASPHALT DRIVEWAY:
- 50mm HOT MIX ASPHALT (UPPER COURSE #2)
- 100mm OF 19mm MINUS GRANULAR BASE
- 200mm OF 75mm MINUS GRANULAR SUBBASE (OPTIONAL AS DIRECTED BY CA)

GRAVEL DRIVEWAY / SHOULDER:
- 150mm OF 19mm MINUS GRANULAR BASE

200mm OF 75mm CLEAR CRUSHED GRAVEL

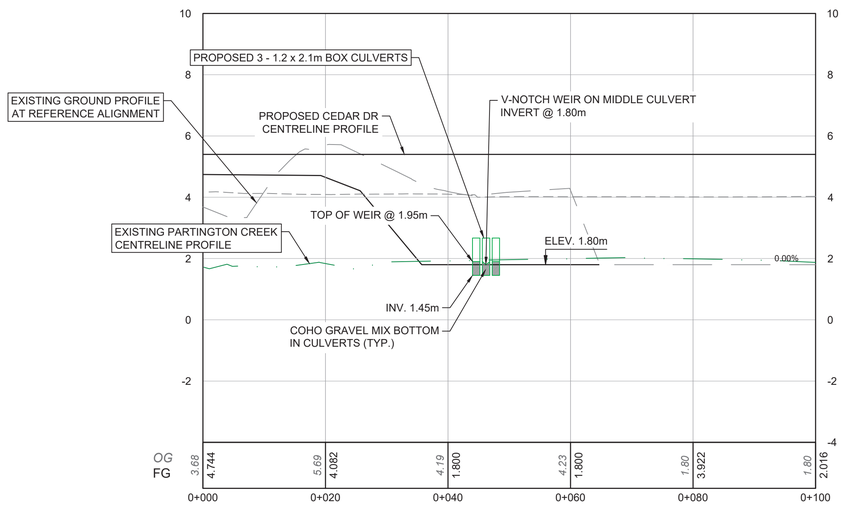
600mm OF 300mm RIPRAP

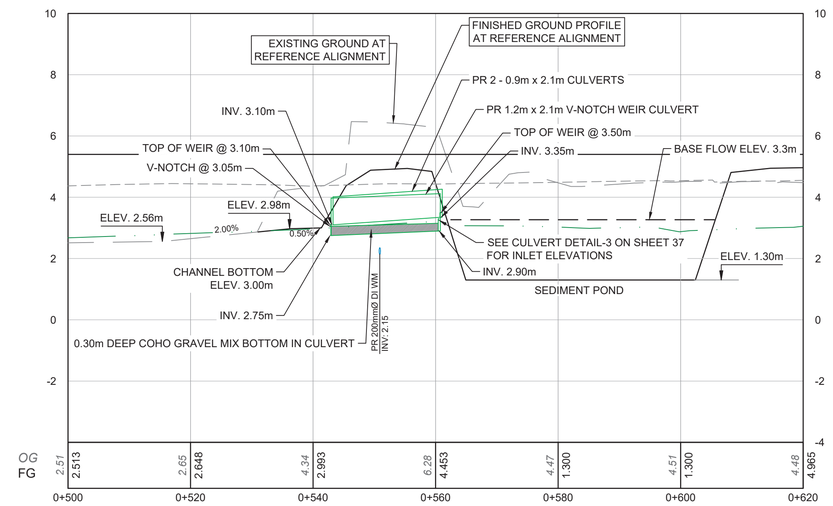
150mm TOPSOIL AND SODDING

100mm TOPSOIL AND HYDROSEED

CONCRETE

RIPARIAN PLANTING
- SEE SHEETS 27 TO 32 FOR DETAILS





PARTINGTON CREEK CONVEYANCE IMPROVEMENT AND OFF-CHANNEL ENHANCEMENT
PROFILE VIEW
SCALE 1:500H / 1:100V

1:500 0 10 30m

ISSUED FOR TENDER DESIGN NO. 33527

PLOT DATE: April 7, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
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D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

DRAINAGE CHANNEL
CEDAR DRIVE UPGRADES - PHASE 2

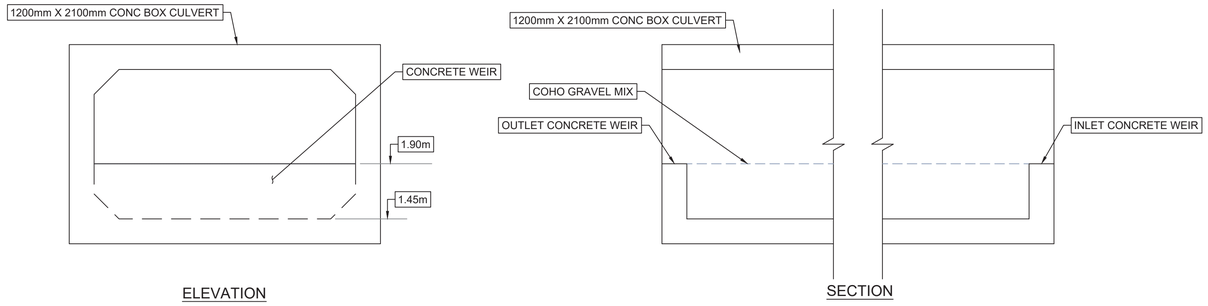
PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA G. DE SOUZA ATAIDE # 60849 2025-04-07

ISL
#503, 4190 Lougheed Hwy, Burnaby, B.C. V5C 6A8
T: (604)629-2696 F: (604)629-2698

SCALE	AS SHOWN	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

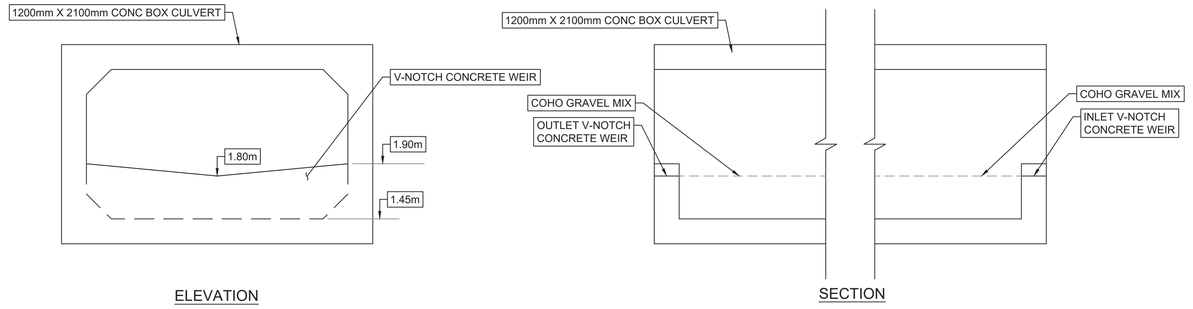
DWG. NO. 25 OF 34
REV. D

File: c:\ADSKACCDocs\ISL\332628_coq_cedardrive-phase1\roadworks\project files\02_CADD\20_drafting\203_sheets\phase 1 - cedar drive upgrades\332628_SH_Channel_Works_Phase_1.dwg



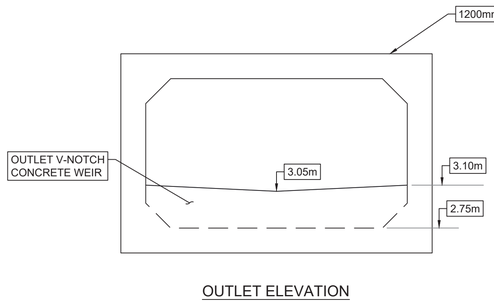
CULVERT DETAIL - 1

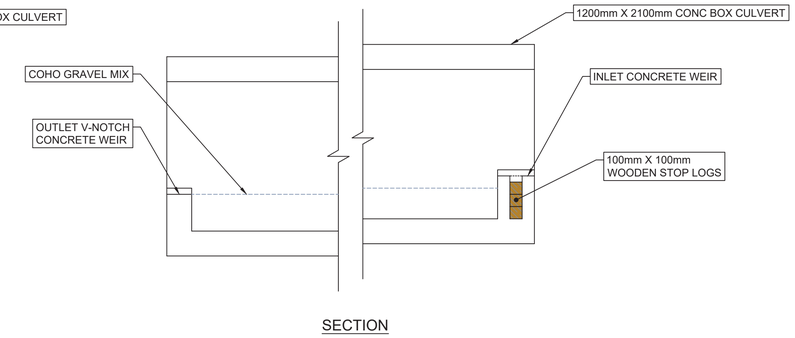
SCALE 1:25

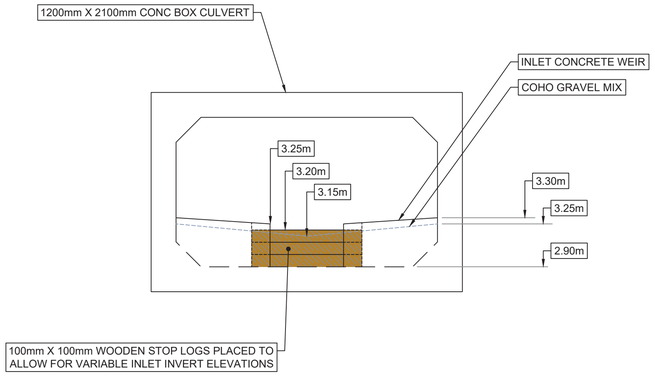


CULVERT DETAIL - 2

SCALE 1:25

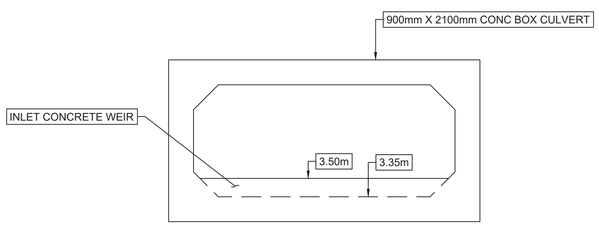






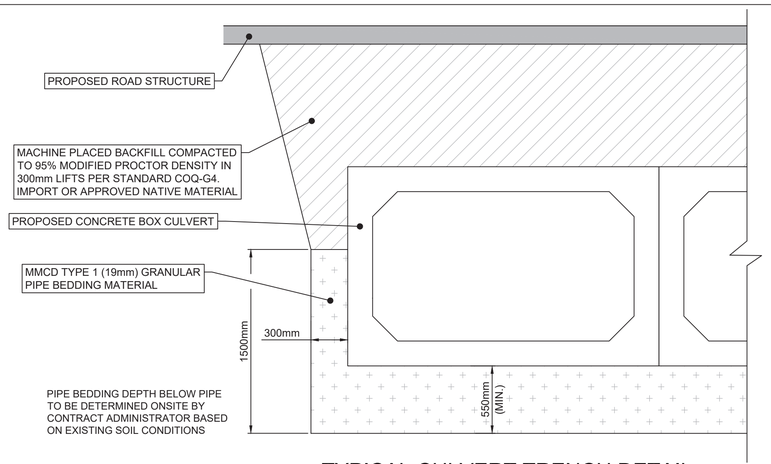
CULVERT DETAIL - 3

SCALE 1:25



CULVERT DETAIL - 4

SCALE 1:25



TYPICAL CULVERT TRENCH DETAIL

SCALE 1:25

PLOT DATE: April 7, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	DETAILED DESIGN	2023/10/27	GA	CJB
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C	UPDATED DETAILED DESIGN 2	2023/12/19	GA	CJB
D	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

CULVERT DETAILS

CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA G. DE SOUZA ATAIDE # 80849
2025-04-07

ISL
#503, 4190 Lougheed Hwy, Burnaby, B.C. V5C 6A8
T: (604)629-2696 F: (604)629-2698

ISSUED FOR TENDER

DESIGN NO. 33527

SCALE	AS SHOWN	CREATION DATE	OCT - 2023
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 26 OF 34

REV. D

File: c:\ADSKACCDocs\ISL\32928_coq_cedardrive-phase1\roadworks\project files\02_CADD\20_drafting\203_sheets\phase 1 - cedar drive upgrades\32928_SH_Channel_Works_Phase_1.dwg

ENVIRONMENTAL SETTING AND CONTEXT:

Cedar Drive is being upgraded and Partington Creek is being widened and an off-channel habitat created to improve flow conveyance and mitigate flood risk. Road construction and Creek widening will affect the riparian areas around Partington Creek. The riparian areas have already been affected by urban development, but in order to secure DFO Authorization and Ministry Approval, it was necessary to develop OFFSETTING measures to address riparian impacts.

This OFF-SETTING/PLANTING PLAN is intended to address riparian effects associated with road construction, channel widening and off-channel creation in and around Partington Creek.

The OFF-SETTING plan is intended in the medium and long term to provide shade cover which will mitigate the loss of shade cover associated with the channel widening activities. The off-channel habitat is intended to provide improved rearing conditions for fish inhabiting Partington Creek.

Implementation of the plan will also improve leaf drop, large woody debris (LWD), coarse woody debris (CWD), insect inputs, etc. to Partington Creek.

The zones designated for planting vary from upland to lowland bench. Site preparation prescriptions vary between upland and lowland. ISL has specified plant species that are best suited to zone and microsite. Protection, maintenance, and plant survival inspections will be required if the planted stock is to survive and thrive.

ACCESS MANAGEMENT AND SITE PREPARATION:

1. SITE PREPARATION WILL BE UNDERTAKEN ONLY UNDER THE FULL-TIME SUPERVISION OF THE EM.
2. PLANTING SITE PREPARATION MUST NOT BE UNDERTAKEN WITHOUT THE EM ONSITE.
3. PRIOR TO CONSTRUCTION THE ENVIRONMENTAL MONITOR (EM) MUST DEMARCATE THE BOUNDARY OF THE APPROVED WORK ZONE, PER THIS PLAN. THE EM WILL FLAG 'LOCK OUT ZONES' WHERE THERE WILL BE NO DISTURBANCE OF EXISTING VEGETATION.
4. THE FLAGGED BOUNDARY WILL BE POSTED WITH TEMPORARY SIGNAGE INDICATING THAT THERE IS TO BE NO DISTURBANCE OF ANY KIND BEYOND THE FENCED BOUNDARY.
5. THE EM WILL MONITOR THE BOUNDARY AT REGULAR INTERVALS TO CONFIRM THAT WORKERS HAVE NOT EXTENDED CONSTRUCTION BEYOND THE DEMARCATED BOUNDARY.
6. MACHINERY IS TO BE OPERATED FROM SWAMP PADS IF TERRAIN IS TOO UNSTABLE TO SUPPORT MACHINE TRACKS .
7. THE CONTRACTOR MUST NOT OPERATE MACHINERY OUTSIDE OF AREAS SHOWN ON THIS PLAN AND THERE IS TO BE NO WORK WITHIN PARTINGTON CREEK, UNTIL SUCH TIME AS FISH SALVAGE HAS BEEN COMPLETED, SITE IS ISOLATED, AND BYPASS AND DEWATERING HAS BEEN IMPLEMENTED.

INVASIVE PLANT MANAGEMENT:

1. SITE PREPARATION WILL BE UNDERTAKEN ONLY UNDER THE FULL-TIME SUPERVISION OF THE EM.
2. HIMALAYAN BLACKBERRY AND REED CANARY GRASS WILL BE EXCAVATED TO ROOTING DEPTH EXPOSING UNDERLYING MINERAL SOILS THAT ARE FREE OF ROOT MATERIAL.
3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING THE DEPTH OF THE EXCAVATION NECESSARY TO EXPOSE ROOT FREE SOIL.
4. JAPANESE KNOTWEED HAS BEEN IDENTIFIED AT VARIOUS LOCATIONS ALONG THE EXISTING EMBANKMENT OF PARTINGTON CREEK.
5. THE EM IS RESPONSIBLE FOR FLAGGING THE PERIMETER OF THESE AREAS PRIOR TO VEGETATION OR GROUND DISTURBANCE ACTIVITIES.
6. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING A JAPANESE KNOTWEED REMOVAL AND CONTROL PROGRAM
7. THE CONTRACTOR IS CAUTIONED THAT THE DEPTH AND BREADTH OF EXCAVATION NECESSARY TO REMOVE JAPANESE KNOTWEED IS SUBSTANTIAL.
8. THE CONTRACTOR WILL RETAIN THE SERVICES OF A QUALIFIED PROFESSIONAL WHO CAN ADVISE THE CONTRACTOR ON THE STANDARDS FOR REMOVAL, DEEP BURIAL, AND/OR LEGAL OFFSITE DISPOSAL OPTIONS SO THAT THEY APPROPRIATELY PRICE THIS IMPORTANT COMPONENT OF THE PROJECT.
9. NO CHANGE ORDERS WILL BE ENTERTAINED FOR JAPANESE KNOTWEED REMOVAL, CONTROL AND DISPOSAL, BEYOND THAT AMOUNT SET OUT BY THE CONTRACTOR IN THEIR RESPONSE TO THE PROJECT TENDER.

SOIL STABILIZATION/SEED MIX APPLICATION:

1. IMMEDIATELY UPON COMPLETION OF FINE GRADING, ALL PLANTING AREAS MUST BE STABILIZED PER THE FOLLOWING DESCRIPTION:
2. THE CONTRACTOR WILL APPLY A FULLY BIODEGRADABLE EROSION CONTROL BLANKET ON ALL INSTREAM BENCHES AND EARTHEN SLOPES BELOW THE NEW TOP OF BANK.
3. THE EROSION CONTROL BLANKET (ECB) MUST BE SECURED TO THE GROUND PER MANUFACTURERS SPECIFICATIONS. TO PREVENT SLOPE RILLING, THERE MUST BE NO VOID SPACE BETWEEN GROUND AND THE ECB.
4. ALL PLANTING AREAS NOT COVERED BY THE ECB WILL BE HYDRAULICALLY SEEDED WITH GRASS SEED MIX CONSISTING SOLELY OF CREEPING RED FESCUE (FROM PREMIER PACIFIC SEEDS OR APPROVED ALTERNATE), TACKIFIER AND FERTILIZER.
5. NON-NATIVE RED FESCUE SEED WILL NOT BE ACCEPTED.
6. HYDRAULIC SEEDING MUST NOT INTRODUCE FERTILIZER, SEED OR TACKIFIER INTO THE WETTED PERIMETER OF PARTINGTON CREEK.
7. AREAS TREATED WITH ECB AND HYDRAULIC SEEDING WILL BE WATERED WEEKLY IN THE PERIOD OF AUGUST 1-SEPTEMBER 30 IN THE FIRST YEAR AFTER AFTER SUBSTANTIAL COMPLETION
8. THE CONTRACTOR WILL PROVIDE THE CONTRACT ADMINISTRATOR WITH A RECEIPT FROM THE SEED SUPPLIER IDENTIFYING THE SPECIES OF THE STABILIZATION SEED MIX, FOR, FOR APPROVAL, PRIOR TO APPLICATION.

LANDSCAPE NOTES:

1. WARRANTY

1.1. THE PROJECT REQUIRES A TWO YEAR WARRANTY ON ALL SOFTSCAPE WORK.

1.2. THE WARRANTY PHASE WILL COMMENCE AT THE TIME OF SUBSTANTIAL COMPLETION OF THE TOTAL CONTRACT. DURING THIS PHASE THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING PLANT SURVIVAL AT 80% FOR THE TOTAL NUMBER OF PLANTED TREES AND SHRUBS SHOWN IN THIS PLAN.

1.3. ESTABLISHMENT MAINTENANCE OF SOFT LANDSCAPES IS TO BE PROVIDED FROM TIME OF INSTALLATION TO TWO YEARS FROM SUBSTANTIAL COMPLETION OF WORKS.

1.4. THE CONTRACTOR WILL RETAIN A QEP TO COMPLETE POST CONSTRUCTION PLANT MAINTENANCE INSPECTION TWICE PER ANNUM BY APRIL 15 AND SEPTEMBER 1. RESULTS WILL BE REPORTED BY MAY 15 AND SEPTEMBER 15.

1.5. THE CONTRACTOR WILL CONTROL COMPETING VEGETATION (I.E. LONG GRASS, INVASIVES ETC) TWICE PER ANNUM BY SOLELY MECHANICAL MEANS.

1.6. THE CONTRACTOR WILL REPLACE, AS REQUIRED, PROTECTIVE SMALL MAMMAL GUARDS ON PLANTED TREE STOCK.

1.7. THE CONTRACTOR WILL WATER PLANTS WEEKLY FROM JUNE 15 TO SEPTEMBER 15 FOR THE FIRST TWO YEARS AFTER PLANT INSTALLATION

1.8. THE CONTRACTOR WILL REPLACE, AS REQUIRED BY THE QEP, SHRUB AND TREE STOCK, TO ACHIEVE A MINIMUM 80% SURVIVAL OF SHRUBS AND 100% SURVIVAL FOR TREES THROUGHOUT THE WARRANTY PERIOD.

1.9. THE CONTRACTOR WILL REPLACE DEAD OR MISSING PLANT MATERIAL IN THE SPRING AND FALL SEASON.

1.10. SHOULD PLANT SURVIVORSHIP TARGETS NOT BE ACHIEVED, THE CONTRACTOR IS REQUIRED TO BEAR THE COSTS OF REPLACEMENT PLANTING AND WHATEVER MAINTENANCE EFFORTS (CONTROL OF COMPETING PLANTS, WATERING, SOIL PREPARATION ETC)

2. PERMITS

2.1. CONTRACTOR TO PROVIDE THE FOLLOWING PERMITS:

REFER TO TENDER DOCUMENTS

3. FIELD LAYOUT AND SURVEY COORDINATION

3.1. SITE LAYOUT TO BE BASED ON TSS (TOTAL STATIONING SURVEY) OR APPROVED EQUAL GPS METHOD TO ENSURE ACCURACY IN LAYOUT.

3.2. SITE LAYOUT AND SURVEY FILES CAN BE PROVIDED TO THE CONTRACTOR IN AUTOCAD FORMAT AT THE TIME OF CONSTRUCTION START-UP.

4. SITE MOBILIZATION, STAGING, AND SAFETY

4.1. PROVIDE MOD-U-LOCK FENCE OR APPROVED EQUAL AROUND THE LIMIT OF CONSTRUCTION AND PROTECT THE SITE AT ALL TIMES FROM PUBLIC ACCESS.

4.2. PROVIDE INFORMATION ON INTENDED SITE STORAGE AND STAGING AREA(S) AND HAULING AT CONSTRUCTION START-UP. IF STORAGE OR STAGING AREA(S) ARE TO BE MOVED BETWEEN DIFFERENT PHASES OF WORK, INFORM OWNER AND CONTRACT ADMINISTRATOR AT CONSTRUCTION START-UP WITH MARKED UP PLANS.

4.3. PROVIDE PROOF OF A BC-ONE (BC-1) CALL AT THE TIME OF CONSTRUCTION START-UP MEETING.

4.4. ENSURE ESC (EROSION AND SEDIMENT CONTROL) MEASURES HAVE BEEN REVIEWED PRIOR TO COMMENCING DEMOLITION OR EXCAVATION WORKS OF THE SITE. AMEND ANY ESC RELATED REQUESTS FROM THE EM IMMEDIATELY. PROVIDE PHOTO PROOF AND EMAIL CONFIRMATION TO THE CONTRACT ADMINISTRATOR AND ENVIRONMENTAL CONSULTANT FOR APPROVAL PRIOR TO COMMENCING WORK.

4.5. ENSURE TREE PROTECTION FENCING HAS BEEN REVIEWED PRIOR TO COMMENCING WORK.

5. SOFT LANDSCAPES

5.1. SOFT LANDSCAPE SUPPLY, SUBMITTALS, PREPARATION AND EXECUTION TO COMPLY WITH CANADIAN LANDSCAPE STANDARD (BRITISH COLUMBIA). FULL DOCUMENT APPLIES.

5.2. ENSURE CONTRACTOR INSTALLING SOFT LANDSCAPES HAS A CURRENT COPY OF THE CANADIAN LANDSCAPE STANDARD (BRITISH COLUMBIA) PRESENT ON SITE.

5.3. SUBMIT REQUEST FOR REVIEW BY CONSULTANT OF SITE SOFT LANDSCAPE FINE GRADING PRIOR TO INSTALLATION OF PLANT MATERIAL.

5.4. PLANTS AND TREES:

5.4.1. PROVIDE CONSULTANT WITH OPPORTUNITY TO REVIEW PLANT STOCK AT NURSERY PRIOR TO SHIPMENT TO SITE. CONSULTANT RESERVES RIGHT TO REJECT STOCK ON SITE WHEN INCONSISTENT FROM NURSERY SAMPLE STOCK. PROVIDE CONSULTANT OPPORTUNITY TO REVIEW TREES AT NURSERY AND TAG PREFERRED TREE STOCK FOR THE PROJECT THAT COMPLIES WITH DRAWING SIZE, SPECIES, AND FORM. ONE (1) WEEK NOTICE IS REQUIRED FOR NURSERY REVIEW.

5.4.2. PLANTS TO BE WELL-ESTABLISHED AND UNIFORM IN SIZE. ALL PLANTS TO CONFORM TO THE STANDARDS SPECIFIED IN THE LATEST EDITION OF THE CANADIAN LANDSCAPE AND NURSERY ASSOCIATION STANDARD.

5.4.3. GROWING MEDIUM AS PER SPECIFICATION. GROWING MEDIUM DEPTHS AS PER CONSTRUCTION DETAILS. ALL GROWING MEDIUM TO CONFORM TO CITY OF COQUITLAM SUPPLEMENTARY SPECIFICATIONS AND DETAIL DRAWINGS. CONTRACTOR TO PROVIDE CONSULTANT WITH 1 LITER SAMPLE OF GROWING MEDIUM, FROM IDENTICAL SOURCE AS WILL BE USED ON SITE, AT LEAST 6 WEEKS PRIOR TO INSTALLATION

5.4.4. SUBMIT GROWING MEDIUM REPORT FOR REVIEW PRIOR TO ORDER OR INSTALLATION. REPORT TO MATCH TABLE 2, SECTION 2.11, SUPPLEMENTAL SPECIFICATION 32 92 02. ADDITIONAL GROWING MEDIUM REPORT REQUIREMENTS ARE PROVIDED IN PROJECT SPECIFICATIONS.

5.4.5. ALL PLANTING TO OCCUR IN THE PERIOD OF MARCH 15 TO MAY 1

5.4.6. ALL TREES TO BE FITTED WITH PROTECTIVE SHEATHING TO PREVENT MUSKRAT AND BEAVER DAMAGE

5.5. MULCH:

5.5.1. TO BE COMPOSTED BARK, BROWN (NOT RED) IN COLOUR.

5.5.2. MULCH TO BE COMPLIANT WITH SUPPLEMENTAL SPECIFICATION 32 92 02, SECTION 2.1.4.

5.5.3. A ONE (1) LITRE MULCH SUBMITTAL IS REQUIRED FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION.

5.5.4. DEPTH OF MULCH TO BE 100mm AFTER SETTLEMENT WITH COMPLETE COVERAGE.

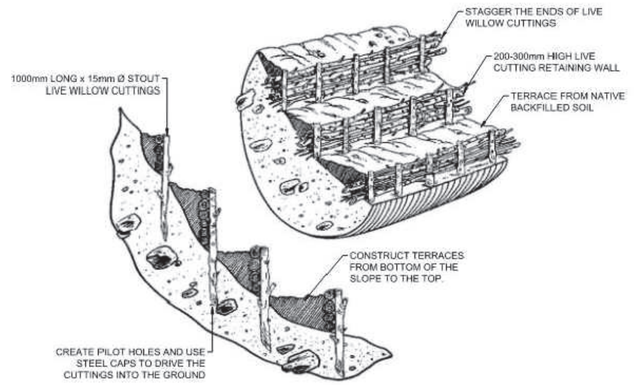
5.5.5. PROVIDE MULCH RING OF 1.2M DIAMETER AND COMPLIANT WITH BC LANDSCAPE STANDARDS FOR EACH NEW TREE.

5.6. THE CONSULTANT MAY REQUEST, AT THE CONTRACTOR'S EXPENSE, UP TO TWO TESTS OF GROWING MEDIUM IF SUSPECTED INCONSISTENCIES APPEAR. TESTS SAMPLES WILL BE SUBMITTED TO PACIFIC SOIL ANALYSIS INC. IN RICHMOND BC. SUITE 5 11720 VOYAGEUR WAY, RICHMOND, BC, V6X 3G9.

5.7. ESTABLISHMENT MAINTENANCE AND WATERING: REFER TO SECTION 1.0 OF THESE LANDSCAPE NOTES.

6. STREAM BED INSTALLATION

6.1. INSTALLATION OF CHANNEL SUBSTRATE AND THALWEG TO OCCUR UNDER FULL-TIME SUPERVISION OF EM



1 / 27 TYPICAL WATTLE FENCE PLANTING
DETAIL NTS

PLOT DATE: April 3, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	ISSUED FOR TENDER	2025/04/07	ML	AR

Coquitlam

PARTINGTON CREEK ENHANCEMENT HABITAT
CEDAR DRIVE UPGRADES - PHASE 2

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — G. DE SOUZA ATAIDE # 60849 — 2025-04-07

ISL
#503, 4190 Lougheed Hwy, Burnaby, B.C. V5C 6A8
T: (604)629-2696 F: (604)629-2698

ISSUED FOR TENDER DESIGN NO. 33527

SCALE	AS SHOWN	CREATION DATE	NOV - 2023
DRAWN BY	ML	DESIGN BY	AR
CHECKED BY	AR	APPROVED BY	AR

DWG. NO. 27 OF 34
REV. D

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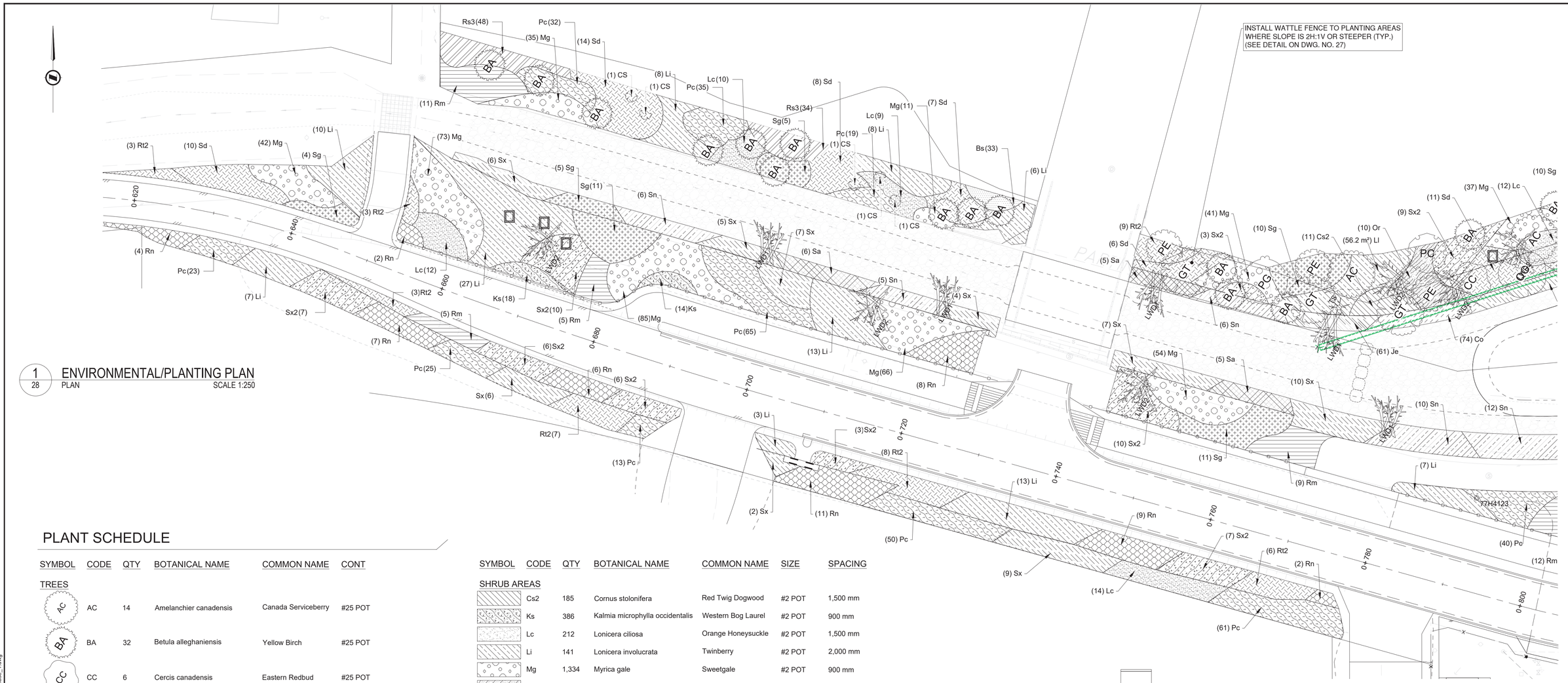


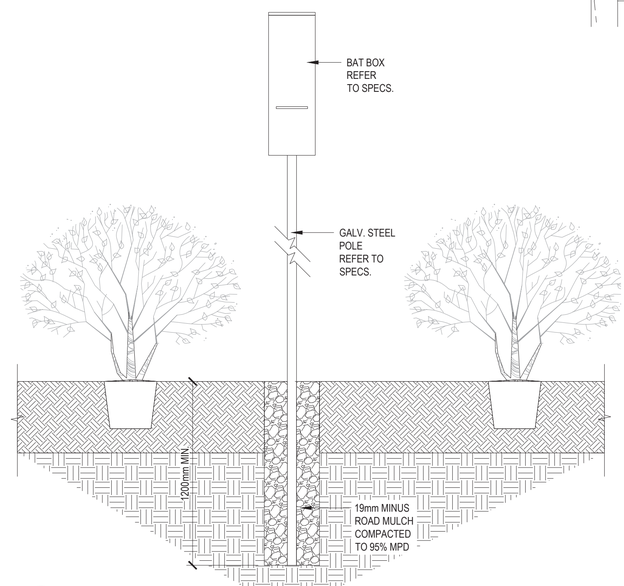
1 / 28 ENVIRONMENTAL/PLANTING PLAN
PLAN SCALE 1:250

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT
TREES					
AC	AC	14	Amelanchier canadensis	Canada Serviceberry	#25 POT
BA	BA	32	Betula alleghaniensis	Yellow Birch	#25 POT
CC	CC	6	Cercis canadensis	Eastern Redbud	#25 POT
CD	CD	4	Crataegus douglasii suksdorfii	Black Hawthorn	#10 POT
GT	GT	7	Gleditsia triacanthus	Honey Locust	#25 POT
PG	PG	6	Picea glauca	White Spruce	#25 POT
PC	PC	14	Pinus contorta	Shore Pine	#25 POT
PP	PP	13	Pinus ponderosa	Ponderosa Pine	#25 POT
PE	PE	20	Prunus emarinata	Bitter Cherry	#25 POT
PD	PD	16	Pseudotsuga menziesii	Douglas Fir	#25 POT
QG	QG	6	Quercus garryana	Garry Oak	#25 POT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
SHRUBS					
	CS	9	Cornus stolonifera	Red Twig Dogwood	#5 POT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
SHRUB AREAS						
	Cs2	185	Cornus stolonifera	Red Twig Dogwood	#2 POT	1,500 mm
	Ks	386	Kalmia microphylla occidentalis	Western Bog Laurel	#2 POT	900 mm
	Lc	212	Lonicera ciliosa	Orange Honeysuckle	#2 POT	1,500 mm
	Li	141	Lonicera involucrata	Twinberry	#2 POT	2,000 mm
	Mg	1,334	Myrica gale	Sweetgale	#2 POT	900 mm
	Or	40	Oemleria cerasiformis	Indian Plum	#2 POT	2,000 mm
	Oh	40	Oplopanax horridus	Devil's Club	#2 POT	2,000 mm
	Pc	1,608	Physocarpus capitatus	Pacific Ninebark	#2 POT	900 mm
	Rm	617	Rhododendron macrophyllum	Pacific Rhododendron	#2 POT	900 mm
	Rs3	170	Ribes sanguineum	Red-flowering Currant	#2 POT	900 mm
	Rn	1,401	Rosa nutkana	Nootka Rose	#2 POT	900 mm
	Rt2	228	Rubus parviflorus	Thimbleberry	#2 POT	2,000 mm
	Rs4	134	Rubus spectabilis	Salmonberry	#2 POT	2,000 mm
	Sn	141	Salix hookeriana	Hooker's Willow	Live Stake	2,000 mm
	Sx	357	Salix x `Scouleriana`	Scouler`s Willow	Live Stake	2,000 mm
	Sg	105	Sambucus racemosa	Red Elderberry	#2 POT	2,000 mm
	Sd	176	Spiraea douglasii	Hardhack	#2 POT	2,000 mm
	Sx2	352	Symphoricarpos x albus	Common Snowberry	#2 POT	2,000 mm
GROUND COVERS						
	Bs	269	Blechnum spicant	Deer Fern	#2 POT	600 mm
	Co	711	Carex obnupta	Slough Sedge	#2 POT	600 mm
	Je	154	Juncus effusus	Soft Rush	#2 POT	600 mm
	Pm	454	Polystichum munitum	Western Sword Fern	#2 POT	600 mm
	Sa	802	Scirpus acutus	Hardstem Bulrush	#2 POT	600 mm
	Sm	691	Scirpus microcarpus	Small-fruited Bulrush	#2 POT	600 mm
	Ud	288	Urtica dioica	Stinging Nettle	#2 POT	600 mm



2 / 28 BAT BOX ELEVATION SCALE 1:20

LEGEND

SYMBOL	DESCRIPTION
	COARSE WOODY DEBRIS
	LARGE WOODY DEBRIS TYPE 1
	LARGE WOODY DEBRIS TYPE 2
	BAT BOX
	GRAVEL AND BOULDERS
	THALWEG

1:250 0 5 15m

ISSUED FOR TENDER DESIGN NO. 33527

PLOT DATE: April 3, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
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Coquitlam

PARTINGTON CREEK ENHANCEMENT HABITAT
OFF-SETTING/PLANTING PLAN

REGISTERED BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS ANDREW B. ROBERTSON 372

ISL
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SCALE	AS SHOWN	CREATION DATE	NOV - 2023
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DWG. NO. 28 OF 34 REV. D

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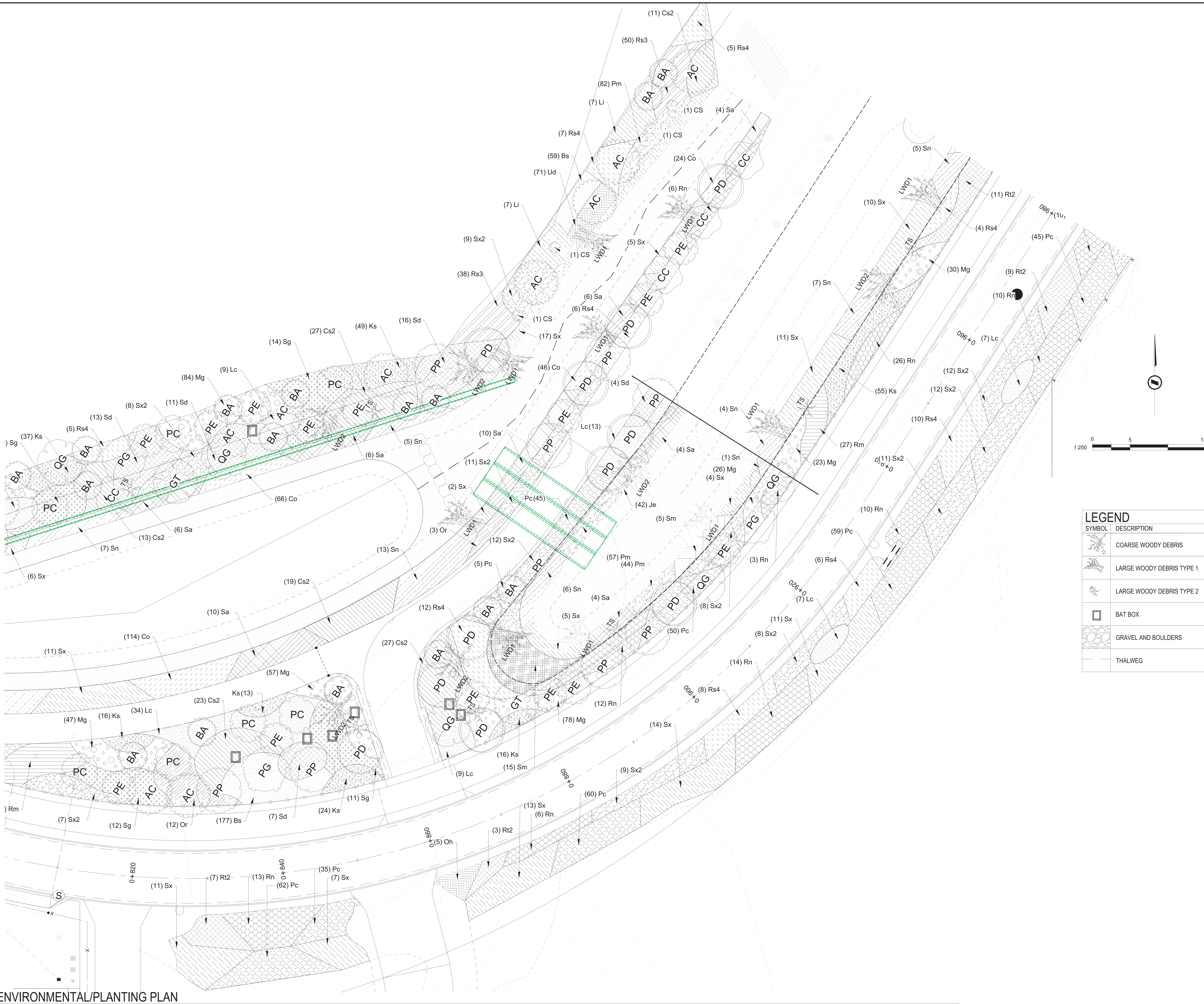

LEGEND

SYMBOL	DESCRIPTION
	COARSE WOODY DEBRIS
	LARGE WOODY DEBRIS TYPE 1
	LARGE WOODY DEBRIS TYPE 2
	BAT BOX
	GRAVEL AND BOULDERS
	THALWEG

1/29 ENVIRONMENTAL/PLANTING PLAN

PLAN

SCALE 1:250

ISSUED FOR TENDER

DESIGN NO. 33527

PLOT DATE: April 3, 2025

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PARTINGTON CREEK ENHANCEMENT HABITAT

OFF-SETTING/PLANTING PLAN

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS — REGISTERED MEMBER — ANDREW B. ROBERTSON — 372

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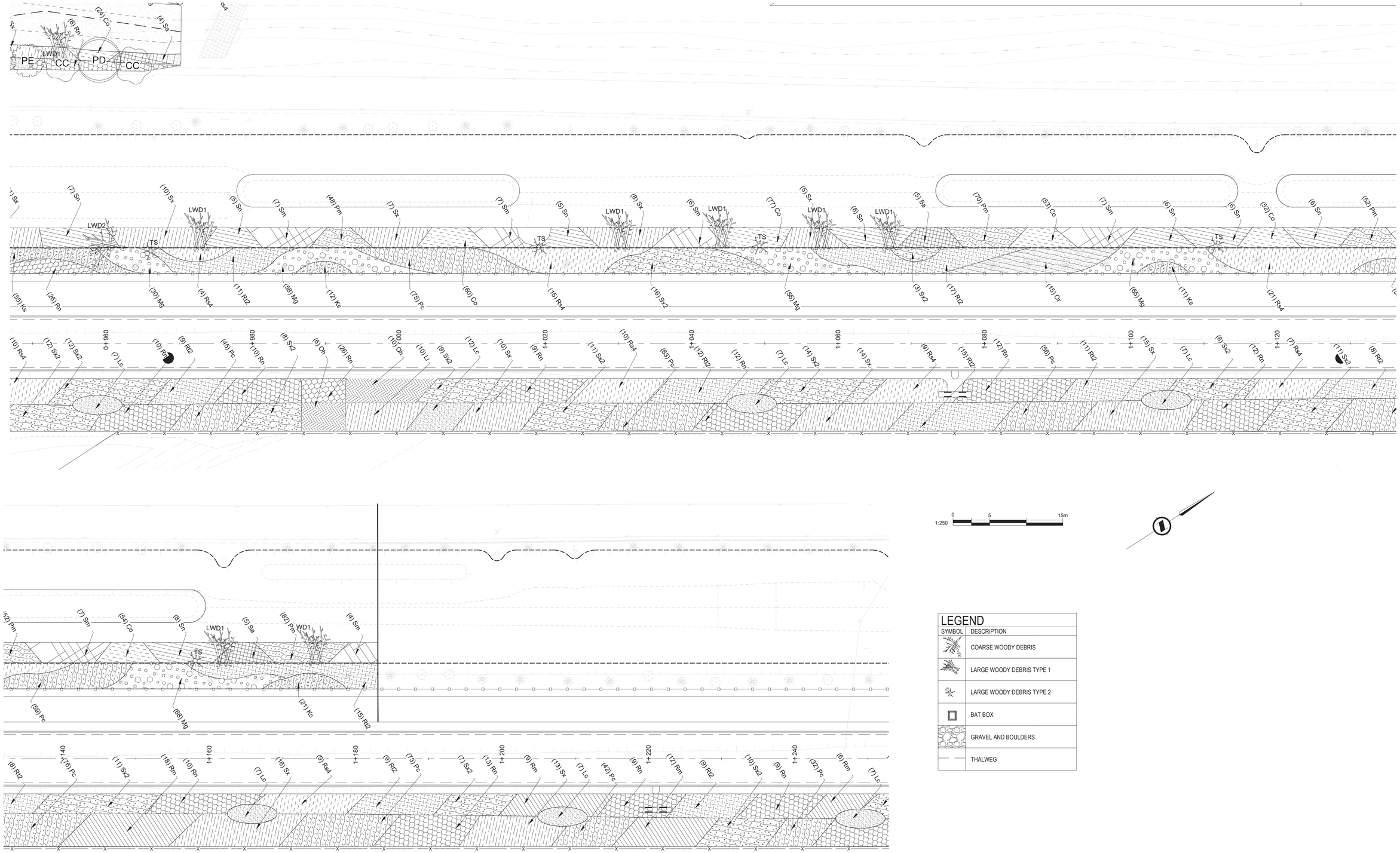

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LEGEND

SYMBOL	DESCRIPTION
	COARSE WOODY DEBRIS
	LARGE WOODY DEBRIS TYPE 1
	LARGE WOODY DEBRIS TYPE 2
	BAT BOX
	GRAVEL AND BOULDERS
	THALWEG

1/30 ENVIRONMENTAL/PLANTING PLAN
PLAN

SCALE 1:250

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PARTINGTON CREEK ENHANCEMENT HABITAT
OFF-SETTING/PLANTING PLAN

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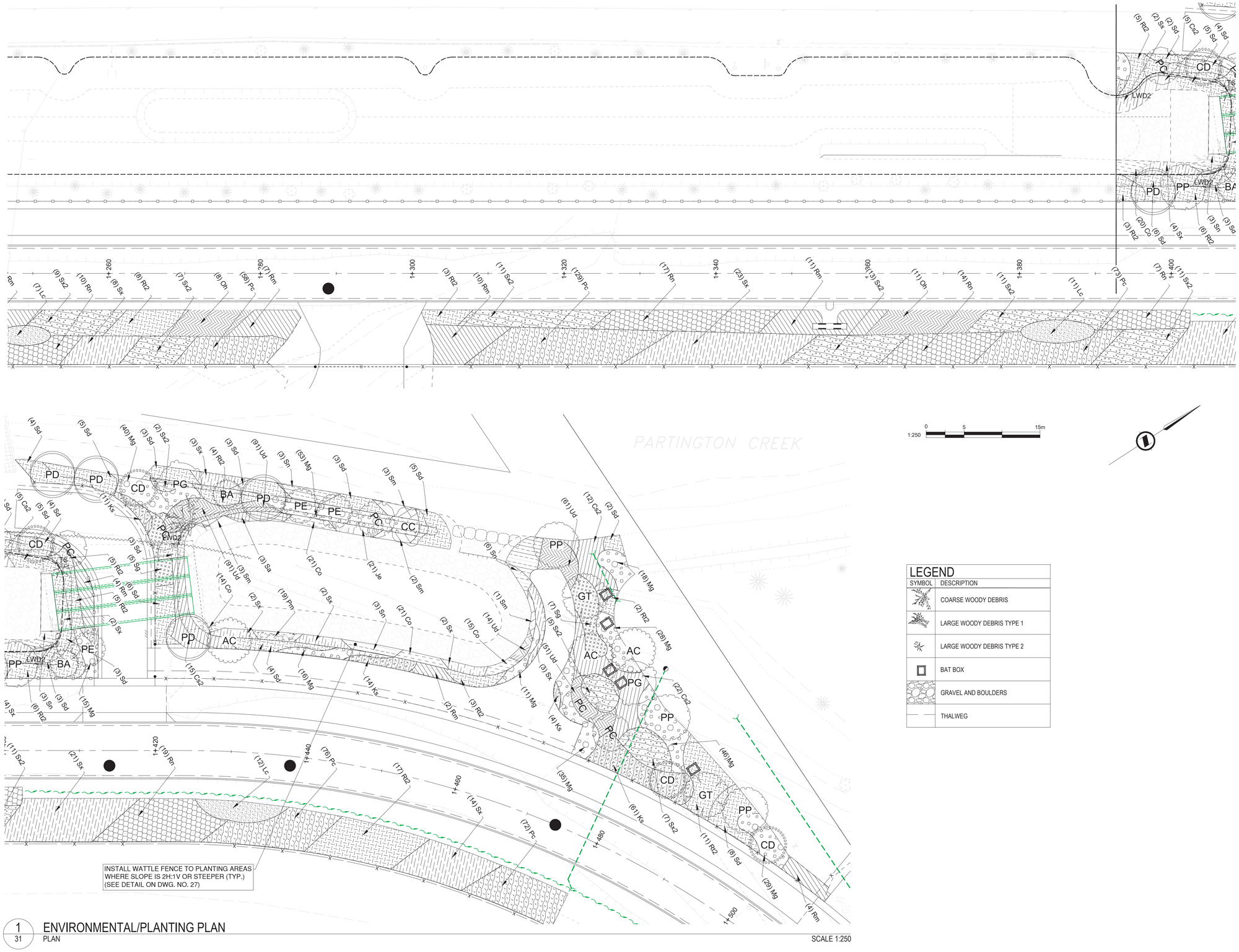

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LEGEND

SYMBOL	DESCRIPTION
	COARSE WOODY DEBRIS
	LARGE WOODY DEBRIS TYPE 1
	LARGE WOODY DEBRIS TYPE 2
	BAT BOX
	GRAVEL AND BOULDERS
	THALWEG

1 / 31 ENVIRONMENTAL/PLANTING PLAN
PLAN

SCALE 1:250

PLOT DATE: April 3, 2025

ISSUED FOR TENDER DESIGN NO. 33527

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PARTINGTON CREEK ENHANCEMENT HABITAT

ENVIRONMENTAL/PLANTING PLAN

REGISTERED MEMBER ANDREW B. ROBERTSON PROFESSIONAL BIOLOGIST 372

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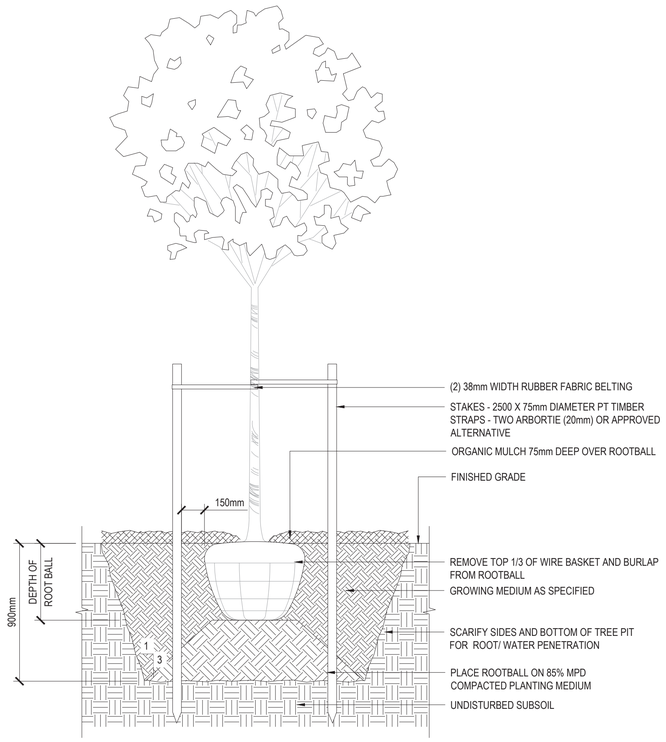
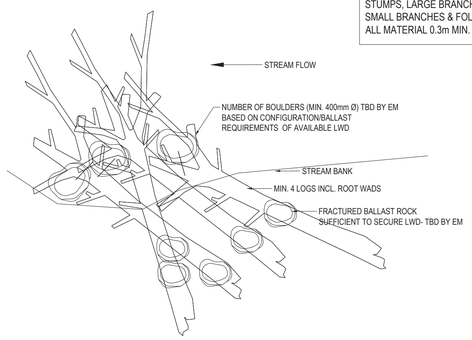
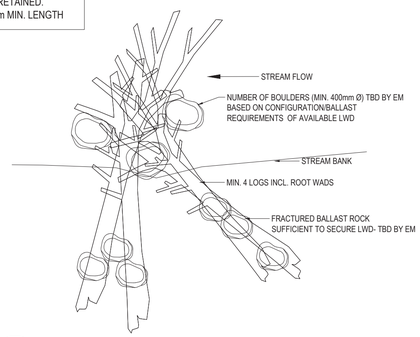


1/32 TREE PLANTING DETAIL
ELEVATION SCALE 1:20

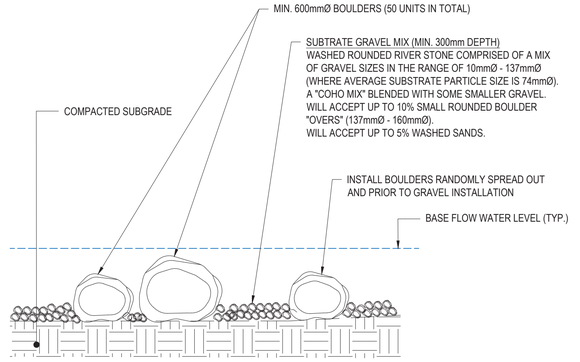
NOTES:
LARGE WOODY DEBRIS MATERIAL INCLUDING BOLES, BOLES WITH ROOTWADS, STUMPS, LARGE BRANCHES, STRIPPED OF SMALL BRANCHES & FOLIAGE. BARK RETAINED.
ALL MATERIAL 0.3m MIN. DIA. AND 3.0m MIN. LENGTH



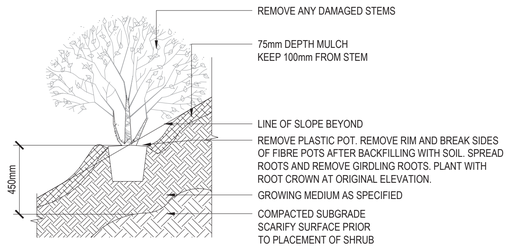
2/32 LARGE WOODY DEBRIS TYPE 1 (PARALLEL)
PLAN SCALE 1:40



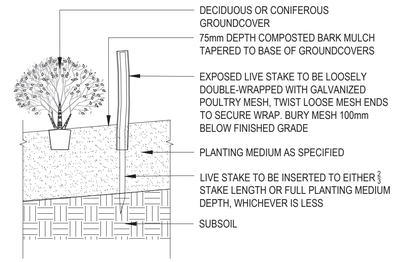
3/32 LARGE WOODY DEBRIS TYPE 1 (TRIANGULAR)
PLAN SCALE 1:40



4/32 CHANNEL SUBSTRATE
SECTION SCALE 1:20

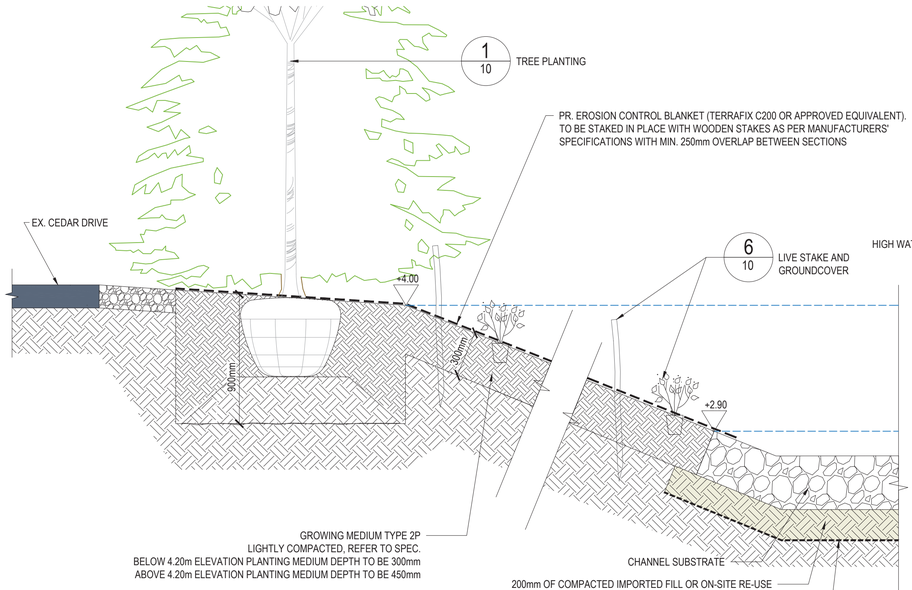


5/32 SHRUB PLANTING DETAIL
ELEVATION SCALE 1:20



6/32 GROUNDCOVER AND LIVE STAKE
ELEVATION SCALE 1:20

7/32 TREE SNAG
ELEVATION SCALE 1:20



8/32 PLANTING SECTION
SECTION SCALE 1:20

PLOT DATE: April 3, 2025

ISSUED FOR TENDER DESIGN NO. 33527

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Coquitlam

PARTINGTON CREEK ENHANCEMENT HABITAT
ENVIRONMENTAL/PLANTING PLAN

ASSOCIATION OF BRITISH COLUMBIA LANDSCAPE ARCHITECTS REGISTERED MEMBER ANDREW B. ROBERTSON 372 LANDSCAPE ARCHITECT

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CHECKED BY	AR	APPROVED BY	AR

DWG. NO. 32 OF 34 REV. D

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PROVISIONAL ITEMS

EROSION & SEDIMENT CONTROL GENERAL NOTES

1.ALL WORKS SHALL BE UNDERTAKEN AND COMPLETED IN A MANNER AS TO PREVENT THE RELEASE OF SEDIMENT, SILT OR SEDIMENT LADEN WATER, OR ANY OTHER DELETERIOUS SUBSTANCE INTO ANY DRAINAGE SYSTEM OR WATERCOURSE AS PER THE CITY OF COQUITLAM " STREAM AND DRAINAGE SYSTEM PROTECTION BYLAW NO. 4403, 2013" AND BC WATER QUALITY GUIDELINES.

2. PRIOR TO COMMENCING WORKS WITHIN 30 M OF A WATERCOURSE, ALL ENVIRONMENTAL APPROVALS, PERMITS, NOTIFICATIONS AND AUTHORIZATIONS MUST BE SECURED.

3. IT IS THE SITE CONTRACTOR'S RESPONSIBILITY TO ENSURE NO PERSON SHALL DISCHARGE, DIRECTLY OR INDIRECTLY, WATER WITH A TURBIDITY GREATER THAN 25 NTU INTO THE CITY OF COQUITLAM'S DRAINAGE SYSTEM. WATER TURBIDITY LEVELS UP TO 100 NTU WILL BE ACCEPTED AFTER A RAINFALL EVENT GREATER THAN 25MM/24HR PER THE BURKE MOUNTAIN RAIN GAUGE.

4. THE WORKS SHOWN SHALL BE A MINIMUM REQUIREMENT. THE CONTRACTOR SHALL MODIFY AND/OR PROVIDE ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY TO ACCOMMODATE CONSTRUCTION ACTIVITIES AND ACHIEVE THE DISCHARGE REQUIREMENTS OF THE BYLAW.

5. THE BURKE MOUNTAIN RAIN GAUGE WILL BE REFERENCED FOR RAINFALL DETERMINATION AND INSPECTION FREQUENCY DETERMINATION.

6. AN EROSION AND SEDIMENT CONTROL SUPERVISOR (ESCS) WILL BE RETAINED BY THE DEVELOPER TO INSPECT SITE ACTIVITIES TO ENSURE CONFORMANCE WITH THIS PLAN AND COMPLIANCE WITH THE ESC BYLAW. THE ESCS MUST SUBMIT ESC REPORTS WILL BE SUBMITTED TO ESCReports@coquitlam.ca.

7. THE ESC INSPECTIONS WILL BE UNDERTAKEN WEEKLY WITH BI-WEEKLY REPORTING DURING THE WET SEASON. IN THE DRY SEASON THE ESC INSPECTION WILL BE CARRIED OUT BIWEEKLY WITH MONTHLY MONITORING REPORT, OR AS DETERMINED BY THE CITY.

8. SRE INSPECTIONS WILL BE COMPLETED 48 HOURS PRIOR TO FORECASTED SIGNIFICANT RAINFALL EVENT (SRE) OR DURING AND WITHIN 24 HOURS OF AN SRE.

9. THE CONTRACTOR SHALL OBTAIN SUFFICIENT QUANTITIES OF SILT FENCING, STRAW, CLEAN GRANULAR MATERIAL, POLYETHYLENE SHEETING, ETC PRIOR TO COMMENCING GROUND DISTURBANCE ACTIVITIES.

10. EXPOSED SOIL STOCK PILES ARE TO BE COVERED WITH ONE LAYER OF 6MIL POLY AND WEIGHTED OR STAPLED INTO PLACE.

11. THE CONTRACTOR SHALL INSTALL EFFECTIVE ESC FACILITIES TO PREVENT ENTRY OF SEDIMENT INTO WATERCOURSES AND DRAINAGE SYSTEM.

12. THE CONTRACTOR SHALL MAINTAIN ALL ESC MEASURES AND FACILITIES ON AN AS-NEEDED BASIS. MAINTENANCE MAY INCLUDE BUT IS NOT NECESSARILY LIMITED TO REPLACING SILT FENCING, RE-STAKING FALLEN SILT FENCING, DISPOSAL OFFSITE OF DEBRIS AND SEDIMENT, REPLACING FOULED GRAVEL EGRESS PADS AND CLEANING OUT ANY SEDIMENT CONTROL SWALES.

13. THE CONTRACTOR IS TO AVOID EARTH DISTURBING ACTIVITIES DURING SIGNIFICANT RAIN EVENTS LEADING TO GROUND SATURATION. SIGNIFICANT RAIN EVENTS AND GROUND SATURATION WILL BE DETERMINED BY THE ESCS BASED UPON ON-THE-GROUND INVESTIGATION.

14. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OR DAMAGE, DIRECTLY RESULTING FROM HIS OPERATIONS AND FOR THE REMOVAL OF DIRT OR DEBRIS FROM EXISTING SYSTEMS, WHICH MAY BE CAUSED BY OR WHICH MAY RESULT FROM WATER BACKING UP OR OVERFLOWING THROUGH, FROM, OR ALONG ANY PART OF THE WORK OR ADJACENT PROPERTIES. THE CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH THESE REPAIRS UNTIL WORKS IS COMPLETE AND ACCEPTED BY THE OWNER(S).

15. MINIMIZE EXPOSURE OF MINERAL SOILS DURING THIS PHASE OF WORKS BY APPLICATION OF STRAW. APPLY STRAW TO 3cm OR WHEN UNDERLYING SOILS ARE NOT VISIBLE. RE-APPLY STRAW, AS IT DEGRADES. THE USE OF HAY SHALL BE AVOIDED AS IT MAY CONTAIN SEEDS OF INVASIVE PLANTS.

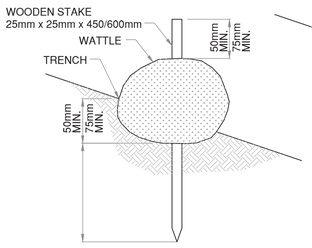
16. PRIOR TO WORKS A PRE-CONSTRUCTION SITE MEETING WILL BE ARRANGED AMONGST THE MANAGING ENGINEER, CONTRACTOR'S SITE SUPERVISOR AND ESCS.

17. TRUCK EGRESS PADS SHALL BE CONSTRUCTED AS PER DETAIL AT THE ENTRANCE/EXIT OF THE SITE.

18. WHEN THE EGRESS PAD BECOMES FOULED, IT WILL BE SCARIFIED TO REMOVE OCCLUDING SEDIMENTS, AND ADDITIONAL CLEAN MATERIAL WILL BE ADDED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

19. ANY SEDIMENT TRANSPORTED ONTO CITY STREETS IS TO BE IMMEDIATELY SWEPT.

20. IF THE ROCK ACCESS PAD AND ROAD SWEEPING IS INEFFECTIVE AT CONTROLLING TRACKING OF SEDIMENT FROM THE SITE, A WHEEL WASH WILL HAVE TO BE INSTALLED AT THE CONTRACTOR'S EXPENSE.



TYPICAL WATTLE SECTION

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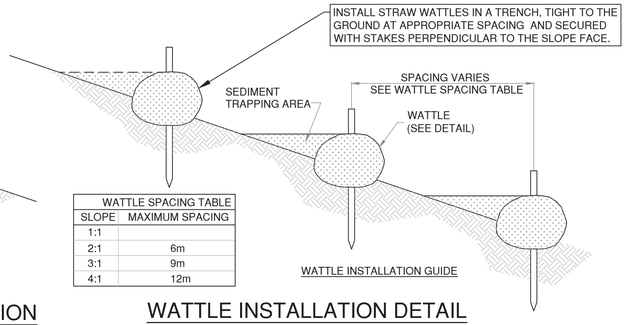
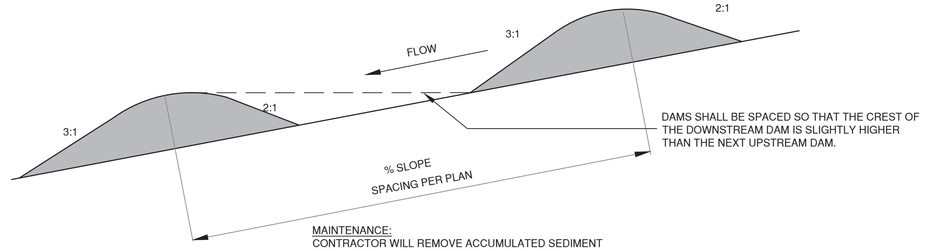


WATTLE SPACING TABLE	
SLOPE	MAXIMUM SPACING
1:1	
2:1	6m
3:1	9m
4:1	12m

WATTLE INSTALLATION DETAIL

SCALE: NTS



SEDIMENT CONTROL CHECK DAM - ELEVATION

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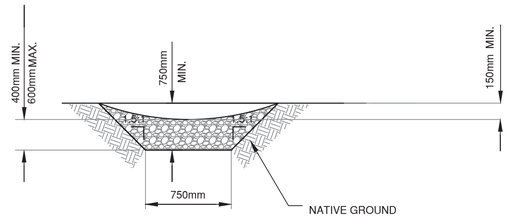

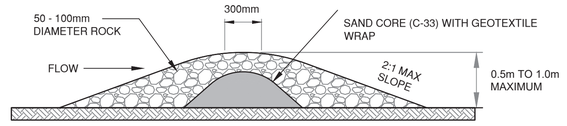

SEDIMENT CONTROL CHECK DAM - SECTION

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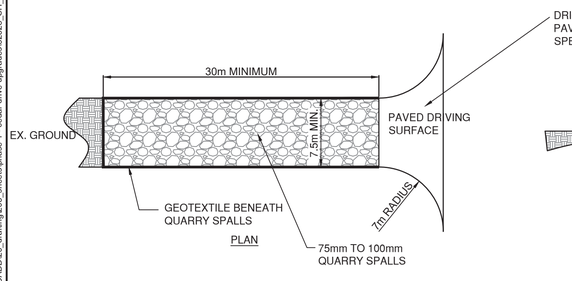
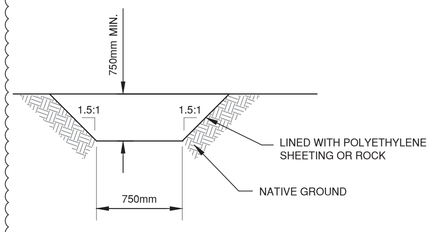


TEMPORARY TRUCK ACCESS PAD DETAIL

SCALE: NTS

TRUCK PAD DETAIL NOTES:

1. PAD SHALL BE SCARIFIED (LOFTED), ON AS NEEDED BASIS, TO RELEASE FOILING SEDIMENT AND REPLACED WHEN SOIL IS EVIDENT ON THE SURFACE OF THE PAD OR AS DIRECTED BY THE ENGINEER/ESC SUPERVISOR.
2. ADDITIONAL CLEAN MATERIAL MUST BE ADDED IF SOIL CONDITIONS DICTATE OR PER THE DIRECTION OF THE ENGINEER/ESC SUPERVISOR.
3. MINIMUM DIMENSIONS MAY BE MODIFIED AS REQUIRED BY SITE CONDITIONS UPON APPROVAL OF THE ENGINEER/ESC SUPERVISOR.



TYP. CONSTRUCTION SEDIMENT SWALE SECTION

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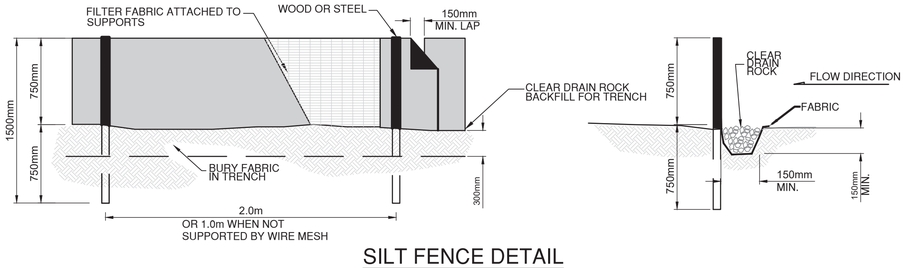

SILT FENCE DETAIL

SCALE: NTS

PLOT DATE: April 2, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ESC NOTES AND DETAILS

CEDER DR UPGRADES - PHASE 1

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA G. DE SOUZA ATAIDE # 30849 2025-04-07

ISL
#503, 4190 Lougheed Hwy, Burnaby, B.C. V5C 6A8
T: (604)629-2696 F: (604)629-2698

SCALE	AS SHOWN	CREATION DATE	MAR - 2025
DRAWN BY	GA	DESIGN BY	CJB
CHECKED BY	CJB	APPROVED BY	CJB
			REV. D

DWG. NO. 33 OF 34

ISSUED FOR TENDER DESIGN NO. 33527

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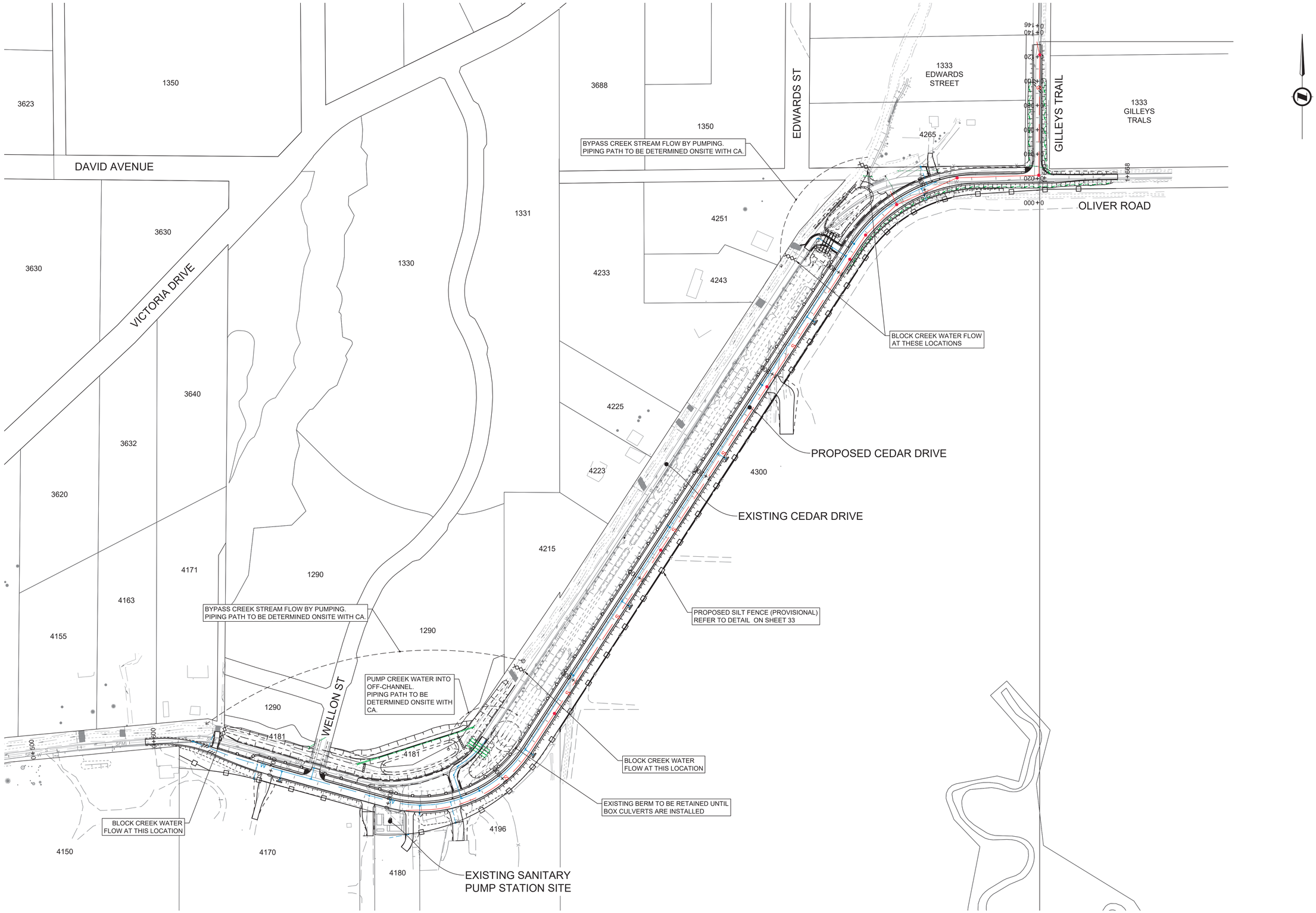

PLOT DATE: April 2, 2025

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPR'D
A	ISSUED FOR TENDER	2025/04/07	GA	CJB

Coquitlam

ESC PLAN

CEDER DR UPGRADES - PHASE 1

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA G. DE SOUZA ATAIDE # 60849
2025-04-07

ISL
#503, 4190 Lougheed Hwy, Burnaby, B.C. V5C 6A8
T: (604)629-2696 F: (604)629-2698

ISSUED FOR TENDER DESIGN NO. 33527

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CHECKED BY	CJB	APPROVED BY	CJB

DWG. NO. 34 OF 34
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STREET LIGHTING NOTES

1. UNLESS OTHERWISE INDICATED, ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF COQUITLAM CURRENT SUBDIVISION CONTROL BYLAWS, CITY OF COQUITLAM SUPPLEMENTARY SPECIFICATIONS AND DETAILED DRAWINGS, CITY OF COQUITLAM APPROVED MATERIALS AND PRODUCTS LISTINGS, AND 2019 MMCD PLATINUM EDITION.
2. THE CONTRACTOR SHALL REFER TO COQUITLAM RECORD DRAWINGS, FOR ALL CITY UTILITIES AND INFRASTRUCTURE, SERVICE LOCATIONS AND DETAILS. THE EXACT LOCATION OF THESE UTILITIES SHALL BE CONFIRMED ON SITE BY THE DESIGN ENGINEERS, CIVIL OR ELECTRICAL CONTRACTORS, AND WITH CITY OF COQUITLAM INSPECTORS.
3. BCOneCall CALL BEFORE YOU DIG. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES (FORTIS, BC HYDRO, SHAW AND TELUS) ARE SHOWN IN AN APPROXIMATION ONLY, AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVES. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES, INCLUDING CITY OF COQUITLAM INFRASTRUCTURE PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES.
4. PRIOR TO STREET LIGHT BASE INSTALLATIONS, THE CONTRACTOR SHALL ENSURE THAT ALL STREET LIGHT POLES, FIXTURES AND RELATED EQUIPMENT MEETS OR EXCEED BC HYDRO CLEARANCE STANDARDS FOR ABOVE AND BELOW GROUND INFRASTRUCTURES, TELUS OR SHAW, AND WORKSAFEBC CLEARANCE REQUIREMENTS FOR ALL OVERHEAD PRIMARY AND SECONDARY (120/240V) CONDUCTORS. CONTRACTOR IS RESPONSIBLE TO REPORT ANY CONFLICTS OR DISCREPANCIES TO THE CITY OF COQUITLAM, AND TO THE DESIGN ENGINEERS.
5. THE CONTRACTOR SHALL NOTIFY PROVINCIAL AND CITY OF COQUITLAM INSPECTORS 24 HOURS PRIOR TO COMMENCEMENT OF UNDERGROUND ELECTRICAL WORK.
6. THE CIVIL/ELECTRICAL CONTRACTOR SHALL OBTAIN PERMITS FROM THE CITY OF COQUITLAM, AND FROM TECHNICAL SAFETY BC (WAS BC SAFETY AUTHORITY).
7. THE TECHNICAL SAFETY BC (WAS BC SAFETY AUTHORITY) SHALL BE MADE AWARE OF THE (POSSIBLE) USE OF AN IRRIGATION SYSTEM WITHIN THE STREET LIGHT POLES. IRRIGATION POWER SHALL BE POWERED FROM METERED CIRCUITS.
8. ALL STREET LIGHT WIRING SHALL BE DESIGNED AND BUILT IN ACCORDANCE WITH CSA, CANADIAN ELECTRICAL CODE, PROVINCE OF BRITISH COLUMBIA AMENDMENTS AND ALL BULLETINS ISSUED BY TECHNICAL SAFETY BC (WAS BC SAFETY AUTHORITY), INCLUDING THE PROVINCIAL ELECTRICAL INSPECTION AMENDMENTS.
9. HYDRO SERVICE DIP CONNECTIONS SHALL BE PER BC HYDRO STANDARDS OR PER MMCD 2019. NOTE: HYDRO DIP SERVICES MUST USE A STEEL GUARD OVER RPVC CONDUITS. THE USE OF RIGID CONDUIT AND/OR RPVC TO RIGID CONDUIT FITTINGS IS NO LONGER PERMITTED.
10. MINIMUM DEPTH FOR UNDERGROUND CONDUIT DUCTING SHALL BE 600–MM (MINIMUM) BELOW BOULEVARD AND SIDEWALKS, AND 900–MM (MINIMUM) BENEATH ASPHALT. PER CITY OF COQUITLAM SUBDIVISION AND DEVELOPMENT SERVICING BYLAWS.
11. ALL CONDUITS SHALL BE RIGID P.V.C MANUFACTURED IN ACCORDANCE WITH C.S.A. C22.2 No. 211.2 (NOT DBII).
12. CONCRETE STREET LIGHT / SERVICE BASES WITH MORE THAN 2 CONDUITS SHALL BE NOTED ON THE PLANS. AS AN EXAMPLE, "THIS BASE HAS (X) CONDUITS"
13. UNLESS OTHERWISE INDICATED, ALL CONDUCTORS SHALL BE TYPE RW90 (MINIMUM), STRANDED **ALUMINUM**, INSULATED, AND COLOUR CODED PER DRAWINGS.
14. ALL SPLICES INVOLVING ALUMINUM WIRE SHALL BE MADE WITH AN ALCU RATED SPLIT BOLT AND SHALL HAVE "PENETROX" JOINT COMPOUND.
15. NEW STREET LIGHTING DESIGNS SHALL ONLY BE 120/240V.
16. UNLESS OTHERWISE INDICATED: ALL POLES, ARMS, SERVICE BASES, HAND ACCESS COVERS, SECURITY COVERS, AND RE–ENFORCED STEEL BACKING BARS, SHALL BE GALVANIZED, PRIMED AND POWER–COATED COQUITLAM STANDARD GREEN RAL 6028.
17. ALL STREET LIGHT HAND–HOLE COVERS SHALL BE PROVIDED WITH SECURITY COVERS REINFORCED U–SHAPED REINFORCED BACKER BARS AND SECURITY BOLTS.
    a. NOVA POLE OFFERS A REINFORCED COVER, REVERSE THREADED SECURITY BOLT, AND ROBUST BACKER BAR. CONTRACTOR SHALL PROVIDE ONE (1) TOOL BIT TO COQUITLAM TRAFFIC OPERATIONS
    b. THE ABOVE ITEM DOES NOT APPLY TO SPECIALTY POLES, SUCH AS PHILLIPS, LUMEC, QUATTRO, ETC. CONSULT THOSE COMPANIES FOR THEIR SECURITY MEASURES.
    c. THE BULLDOG PRODUCTS AND WIRE SENTRY PRODUCTS ARE NO LONGER APPROVED FOR USE IN COQUITLAM.
18. ALL THREADED BOLTS, NOT USED FOR ELECTRICAL CONNECTIONS, SHALL HAVE ANTI–SEIZE COMPOUND APPLIED. THIS ALSO APPLIES TO SECURITY BOLTS NOTED ABOVE
19. PHOTO ELECTRIC CONTROL (PEC) SHALL ONLY BE SOLID–STATE DESIGN, WITH ELECTROMECHANICAL CONTACTS.
20. PEC CONDUCTORS SHALL BE #12 RW90, COLOURS: RED, BLACK AND WHITE. THE PEC CONDUCTORS SHALL BE A COMPLETE RUN, WITHOUT SPLICES, FROM THE PEC TO THE ELECTRICAL PANEL. BUNDLED SEPARATE OF THE STREET LIGHTING CONDUCTORS.
21. LUMINAIRES SHALL BE WIRED WITH #12 RW90 CONDUCTORS. BLACK AND WHITE FOR 120V SERVICE. BLACK AND RED FOR 240V SERVICE. WIRING BUNDLED SEPARATE OF THE PHOTO–ELECTRIC CONTROL (PEC) CONDUCTORS.
22. LUMINAIRES ON BLACK CONDUCTOR ARE IDENTIFIED WITH A B DESIGNATION NEXT TO THE LUMINAIRES
23. LUMINAIRES ON RED CONDUCTOR ARE IDENTIFIED WITH A R DESIGNATION NEXT TO THE LUMINAIRES
24. EACH LUMINAIRE SHALL BE PROVIDED WITH A TRON HEB–AA FUSE–HOLDER C/W 2 L–TYPE INSULATING BOOTS, OR PRE–APPROVED EQUIVALENT. THE FUSE–HOLDER SHALL BE ACCESSIBLE IN THE HAND–HOLE COVER.
25. EACH FUSE HOLDER SHALL BE PROVIDED WITH ONE 10–AMPERE BUSS KTK–TYPE FUSE (600V), WIRED IN THE LIVE CONDUCTOR(S). THE FUSE HOLDER SHALL BE ACCESSIBLE FROM THE HAND–HOLE ACCESS, OR JUNCTION BOX.
26. ALL LUMINAIRE FIXTURES SHALL BE BONDED WITH A NUMBER 12 RW90 GREEN CONDUCTOR. THIS CONDUCTOR SHALL TERMINATE INTO THE BONDING CONDUCTOR RUN AT THE BASE OF THE POLE.
27. THE BOND STUD OPENING SHALL BE AT THE REAR OF THE POLE AND SHALL NOT BE ON THE FLANGE OF THE ACCESS HOLE OPENING.
28. THE INTERIOR COLOUR–FINISHED SURFACE SURROUNDING THE BOND STUD SHALL BE GROUND OFF TO THE GALVANIZING OR BARE STEEL FOR THE ELECTRICAL BOND ADHERENCE. TO ENSURE A PROPER BOND AND REDUCE CORROSION OR RUSTING, THE BONDING STUD SHALL BE INSTALLED IMMEDIATELY AFTER THE GRINDING.
29. THE BONDING STUD IN EACH POLE SHALL COMPRISE OF ONE 3/8–16 BOLT 1.5–INCHES LONG, ONE SPLIT LOCK WASHER, AND TWO HEX NUTS. THE SPLIT 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 TIGHTENED TO SPECIFICATION. THE RING TERMINAL SHALL BE SANDWICHED BETWEEN THE TWO HEX NUTS. THE LAST NUT HOLDS THE RING TERMINAL IN PLACE. ALL HARDWARE SHALL BE TIGHTENED TO SPECIFICATIONS.
30. ALL POLES SHALL BE BONDED WITH A NO 8 RW90 BONDING CONDUCTOR. THE CONTRACTOR SHALL SUPPLY A 4WAY PIGTAIL SPLICE TO THE POLE BOND, AND WITH A RING LUG TERMINAL BENEATH THE BONDING HARDWARE.
31. ALL LARGE GAUGE, MULTIPLE CONDUCTOR SPLICES, WHICH MAY EXCEED THE LARGER WIRE NUTS, SHALL UTILIZE SPLIT BOLT HARDWARE, DUCT SEALANT, AND WITH WEATHER–RESISTANT / WATER–PROOF CONNECTION MEANS. THE STANDARD HOUSE–HOLD "WIRE NUT" IS NOT WATER PROOF.
32. ALL LARGE GAUGE (# 8 OR LARGER) SPLICES AND CONNECTIONS, WITHIN JUNCTION BOXES OR HAND ACCESS OPENINGS, SHALL BE SEALED WITH TAPE CONSISTING OF BISHOP BI–SEAL PHILLIPS ROTRUNDA OR 3M SELF HOLDING TAPE; COVERED WITH PVC TAPE AND DIPPED IN 3M SCOTCHCOAT. OR PRE–APPROVED EQUIVALENT.
33. FUSE HOLDERS IN HAND HOLE ACCESS AND JUNCTION BOXES SHALL UTILIZE AN IDEAL INDUSTRIES OR BUCHANAN CONSTRUCTION PRODUCTS 65 KIT WATER–PROOF FUSE HOLDER, OR APPROVED EQUIVALENT. EACH FUSE–HOLDER SHALL BE PROVIDED WITH ONE 10–A BUSS KTK–TYPE FUSE, WIRED IN THE LIVE CONDUCTOR(S). FOR 240V LINE TO LINE SERVICES, ONE TWO FUSE SHALL BE USED.
34. WIRING AND FUSE–HOLDERS IN POLE HAND ACCESS AND/OR JUNCTION BOXES SHALL BE MARKED WITH YELLOW WATER–PROOF WIRE MARKER TAGS, AND ATTACHED USING TIE–WRAPS. LABELLING SHALL BE WITH A WATERPROOF SHARPIE INK PEN.
35. ALL JUNCTION BOXES, IN SOFT BOULEVARD SHALL BE SUPPORTED/PROTECTED WITH A CONCRETE COLLAR. MINIMUM 200mm WIDE BY 150mm DEPTH, WITH REBAR. COLLAR TO SLOPE DOWN AWAY FROM BOX OPENING AT 3% TO DIRECT WATER AWAY FROM BOX OPENING. REFER TO COQUITLAM SUPPLEMENTAL SPECIFICATION DRAWING SS–E2.5 FOR DETAILS.
36. JUNCTION BOXES SHALL BE PROVIDED WITH RPVC SUPPORT BARS TO SUPPORT THE ELECTRICAL CONNECTIONS AND FUSE HOLDERS (IF USED). THE RPVC BARS SHALL BE ATTACHED INTO THE JUNCTION BOX SIDEWALLS. THE ELECTRICAL CONNECTIONS AND FUSE–HOLDERS WILL BE HELD IN PLACE BY TIE–WRAPS
37. JUNCTION BOXES WITH METALLIC LIDS (NEW OR EXISTING) SHALL BE BONDED WITH A NO 8 RW90 BONDING CONDUCTOR WITH A SUITABLY SIZED RING LUG, AND STAINLESS STEEL HARDWARE. THE CONTRACTOR SHALL SUPPLY A PIGTAIL SPLICE FROM THE INTERNAL BONDING CONDUCTORS TO THE METALLIC LID BOND
38. 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.
39. POLYMER CONCRETE 24 x 36 x 36 PULL BOXES SHALL BE INSTALLED AS SHOWN ON STANDARD DETAIL MMCD DRAWING E2.3 C/W BOLT DOWN 2 PIECE LIDS. REPLACE 150mm FINE DRAIN ROCK WITH 300mm FINE DRAIN ROCK.
40. BOTTOM OF JUNCTION BOXES SHALL BE OPEN. BOTTOM SECTIONS SHALL BE SUPPORTED WITH CONCRETE BRICKS AND USE CRUSHED GRAVEL TO DRAIN WATER.
41. ALL BOLT DOWN JUNCTION BOX LIDS SHALL BE TIER 15 (20K) RATED OR GREATER.
42. WIRING CONNECTIONS, SPLICES AND FUSE–HOLDERS IN JUNCTION BOXES SHALL BE KEPT OUT OF WATER
43. ALL CONDUITS SHALL BE PROVIDED WITH A NYLON PULL LINE. CAPS SHALL HOLD THE NYLON CORD IN PLACE.
44. EMPTY CONDUITS / CONDUITS ONLY (CO) SHALL BE CAPPED AT EACH END
45. WATER OR OTHER OBSTRUCTIONS ARE NOT PERMITTED IN CONDUITS. CONDUITS WITH WATER OR OTHER OBSTRUCTIONS SHALL BE BLOWN CLEAR.
46. PER PER COQUITLAM SUBDIVISION BYLAWS, MINIMUM SPACING BETWEEN STREET LIGHTS AND:
    a. TREES SHALL BE 6–METERS
    b. KIOSKS SHALL BE 3M
    c. DRIVEWAYS SHALL BE 2–METERS (EXCLUDING THE FLARE)
    d. HYDRANTS SHALL BE 3–METERS
    e. MANHOLES, VALVE BOXES, SERVICE CONNECTIONS SHALL BE 2–METERS
    f. JUNCTION BOXES SHALL BE 2–METERS
47. STREET LIGHT BASE FLANGES SHALL BE LEVEL ON TWO HORIZONTAL AXIS.
48. STREET LIGHT BOLTS SHALL HAVE COLOUR–CODED NUT CAPS.
49. IT SHALL BE THE CONTRACTORS / DEVELOPERS RESPONSIBILITY TO SUBMIT THE ELECTRICAL PERMITS TO THE ASSIGNED COQUITLAM FIELD INSPECTOR. COQUITLAM TRAFFIC OPERATIONS (OR ASSIGNED) WILL INSPECT THE INSTALLATIONS AND PROVIDE A DEFICIENCY LIST (IF NECESSARY). TRAFFIC OPERATIONS WILL ISSUE A REQUEST TO BC HYDRO FOR CONNECTIONS.
50. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THEIR ELECTRICAL PERMIT TO THE CITY OF COQUITLAM, TRAFFIC OPERATIONS. ATTENTION: JARROD MITCHELL OR VLADAN POLEDICA.
51. JUNCTION BOXES (IF USED), SET STRAIGHT, TOPS PARALLEL TO GRADE OR SIDEWALKS AND SHALL BE LEVEL ON TWO AXIS.

CONCRETE BASE NOTES

1. THE CONCRETE BASES SHALL BE PER MMCD2009 STANDARDS AND PLANS. PROVIDED WITH APPROPRIATE CONDUITS PER ENGINEERING REQUIREMENTS
2. THE CONCRETE BASE SHALL NOT BE FORMED ONSITE, AND SHALL NOT BE FORMED BY THE ELECTRICAL CONTRACTOR. THE CONCRETE BASE SHALL BE PROVIDED FROM A PRECAST COMPANY, SUCH AS AE PRECAST, ARMTEC, LANGLEY CONCRETE, ETC.
3. CONCRETE BASES FOR A SERVICE BASE:
    a. STREET LIGHTING: 40 AND 60–AMPERE PANELS, CONCRETE BASE WITH 5 OR MORE RPVC CONDUITS, PER CITY OF COQUITLAM SUPPLEMENTAL PLAN SS–E&.3, UPPER DETAIL
    b. TRAFFIC SIGNAL: 100–AMPERE PANELS, CONCRETE BASE WITH 2 53MM RPVC CONDUITS, PER CITY OF COQUITLAM SUPPLEMENTAL PLAN SS–E&.3, LOWER DETAIL
    c. PRIOR TO SERVICE BASE INSTALLATIONS, THE CONTRACTOR SHALL ENSURE THE CONCRETE BASE IS PROPERLY ORIENTATED SUCH THAT THE SERVICE CONDUIT (SC) IS ALIGNED TO THE PROTECTED AREA WITHIN THE ELECTRICAL PANEL WITHIN THE SERVICE BASE. REFER TO COQUITLAM SUPPLEMENTAL DRAWINGS SS E7.3 AND E7.4
    d. THE CONCRETE BASE SHALL BE INSTALLED TO ENSURE THE CONCRETE BASE IS PROPERLY ALIGNED FOR THE SERVICE BASE ACCESS DOOR. PER CITY OF COQUITLAM SUPPLEMENTAL PLAN SS–E7.3, THE SERVICE BASE ACCESS DOOR SHALL BE ON THE DOWNWARD SIDE OF TRAFFIC.
    e. CITY OF COQUITLAM CIVIL INSPECTOR SHALL ATTEND WHEN THE CONCRETE BASE IS TO BE INSTALLED, TO CONFIRM COMPLIANCE TO CITY OF COQUITLAM REQUIREMENT, WITH 12 HOURS ADVANCE NOTIFICATION.
4. THE CIVIL/ELECTRICAL CONTRACTOR SHALL ENSURE STREET LIGHT POLES, FIXTURES AND RELATED EQUIPMENT MEETS OR EXCEEDS BC HYDRO AND WORKSAFEBC CLEARANCE REQUIREMENTS, FOR ALL OVERHEAD PRIMARY AND SECONDARY LINES. CONTRACTOR IS RESPONSIBLE TO REPORT ANY CONFLICTS OR DISCREPANCIES TO THE CITY OF COQUITLAM, AND TO THE DESIGN ENGINEERS
5. CONCRETE BASES WITH MORE THAN 2 CONDUITS SHALL BE NOTED ON THE PLANS. AS AN EXAMPLE, "THIS BASE HAS (X) CONDUITS"
6. CONCRETE BASES SHALL BE PROVIDED WITH A V–GROOVE TO DISPERSE STANDING WATER. IF A V–GROOVE IS NOT AVAILABLE, THEN ROUND FLAT STAINLESS STEEL WASHERS SHALL BE MOUNTED BETWEEN THE CONCRETE BASE AND THE BOTTOM OF THE SERVICE BASE. U–SHAPED SHIMS NOT ACCEPTABLE.
7. CONCRETE BASE TOPS SHALL BE 5–CM (~2–INCHES) ABOVE FINAL GRADE CONCRETE BASES SHALL BE LEVEL ON TWO HORIZONTAL AXIS

SERVICE BASE NOTES

1. UNLESS OTHERWISE INDICATED, ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF COQUITLAM CURRENT SUBDIVISION CONTROL BYLAWS, CITY OF COQUITLAM SUPPLEMENTARY SPECIFICATIONS AND DETAILED DRAWINGS, CITY OF COQUITLAM APPROVED MATERIALS AND PRODUCTS LISTINGS. MMCD 2019 MAY APPLY.
2. UNLESS OTHERWISE INDICATED, THE SERVICE BASE AND ACCESS COVERS ARE TO BE GALVANIZED, PRIMED AND POWDER–COATED IN COLOUR PER THE DESIGN PLANS. STANDARD COLOUR: GREEN PER RAL6028.
3. THE ACCESS DOOR FOR THE SERVICE BASE SHALL BE DOWNSTREAM OF TRAFFIC.
4. THE SERVICE BASE SHALL BE MOUNTED ON A PRE–FORMED CONCRETE BASE:
    a. THE CONCRETE BASE SHALL NOT BE FORMED ONSITE, AND SHALL NOT BE FORMED BY THE ELECTRICAL CONTRACTOR. THE CONCRETE BASE SHALL BE PROVIDED FROM A PRECAST COMPANY, SUCH AS AE PRECAST, ARMTEC, LANGLEY CONCRETE, ETC.
    b. STREET LIGHTING: 40 AND 60–AMPERE PANELS, CONCRETE BASE WITH 5 OR MORE RPVC CONDUITS, PER CITY OF COQUITLAM SUPPLEMENTAL PLAN SS–E7.3, UPPER DETAIL
    c. TRAFFIC SIGNAL: 100–AMPERE PANELS, CONCRETE BASE WITH TWO 53MM RPVC CONDUITS, PER CITY OF COQUITLAM SUPPLEMENTAL PLAN SS–E7.3, LOWER DETAIL
5. THE SERVICE BASE SHALL BE MOUNTED ON A PRE–FORMED CONCRETE BASE: THE SERVICE BASE SHALL BE PROVIDED WITH TWO 3/8–16 THREADED HOLES IN THE UPPER FLANGE AND WITH MATING CLEARANCE HOLES ON THE COVER. THESE HOLES 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, FLAT WASHERS AND ANTI–SEIZING COMPOUND. THE CITY MAY INSTALL SECURITY BOLTS.
6. THE SERVICE 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 THROUGH THE CLEARANCE OPENINGS.
7. THE LOCKING TAB SHALL BE OF A ROBUST DESIGN AND MANUFACTURE, AND SHALL ACCEPT A STANDARD CITY PADLOCK. A WCE BULLDOG PRODUCT SHALL NOT BE INSTALLED.
8. THE SERVICE BASE SHALL BE PROVIDED WITH A BONDING TAB. THE COLOUR–FINISHED SURFACE SURROUNDING THE BOND TAB SHALL BE GROUND OFF TO GALVANIZING OR TO BARE STEEL FOR THE ELECTRICAL BOND ADHERENCE. TO ENSURE A PROPER BOND AND REDUCE CORROSION OR RUSTING, THE BONDING STUD SHALL BE INSTALLED IMMEDIATELY AFTER THE GRINDING.
9. UNLESS OTHERWISE INDICATED, ALL CONDUCTORS SHALL BE TYPE RW90 (MINIMUM), STRANDED COPPER, INSULATED, AND COLOUR CODED PER DRAWINGS.
10. THE ELECTRICIAN 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 BOLT SHALL 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 SPECIFICATIONS
11. ELECTRICAL PANEL WITHIN THE SERVICE BASE SHALL BE:
    a. FABRICATED FROM STAINLESS STEEL OR ALUMINUM. THE PANEL SHALL BE SET STRAIGHT, AND PARALLEL TO INTERNAL SERVICE BASE SURFACES. ALL FOUR MOUNTING TABS SHALL BE BOLTED ON TO THE UNISTRUT RAILS WITHIN THE SERVICE BASE PEDESTAL.
    b. PROVIDED WITH A MAIN DISCONNECT, 2P–40A, 2P–60A, OR 2P–100A, 120/240V PER THE DESIGN PLANS. BRANCH BREAKERS ARE GENERALLY REQUIRED FOR THE 100–AMPERE PANELS.
    c. THE PHOTO–ELECTRIC CONTROL (PEC) CIRCUIT FUSING SHALL PER MMCD, USE A KTK10 (10–AMPERE) FUSE (600V), AND SUITABLE FRONT PANEL MOUNTED FUSE–HOLDER. PUSH–BUTTON CIRCUIT BREAKERS ARE NOT ACCEPTABLE.
    d. THE 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 40A, 60A AND 100A ELECTRICAL PANELS
    e. THE 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 SWITCH, ARE NOT ACCEPTABLE.
    f. THE FRONT PANEL PEC FUSE–HOLDER AND THE PEC BYPASS SWITCH SHALL BE PROVIDED WITH LABELS, DETAILS PER MMCD DRAWINGS.
    g. PROVIDED WITH AN SPD (SURGE PROTECTION DEVICE), MOUNTED WITHIN THE ELECTRICAL PANEL, AND WITH FAULT PROTECTION (CIRCUIT BREAKERS, FUSING, ETC.). DETAILED SURGE PROTECTION DEVICE SPECIFICATIONS FOLLOW.
    h. PANEL SHALL BEAR ELECTRICALLY APPROVED LABELS FOR USE IN CANADA. SUCH AS CSA, ETL, CULUS, SPECIAL INSPECTIONS, ETC.
    i. FOR THE 40A AND 60A ELECTRICAL PANEL, REFER TO CITY OF COQUITLAM SUPPLEMENTAL DRAWING SS–E7.5
12. SURGE PROTECTION DEVICE SPECIFICATIONS:
    a. ELECTRICAL ACCREDITATIONS: CSA, ETL, CULUS, ETC.
    b. SYSTEM VOLTAGE AND FREQUENCY: 120/240V, 50/60 HERTZ
    c. MINIMUM DISCHARGE RATING: 20KA
    d. PROVIDED WITH LED STATUS INDICATORS, VISIBLE WHEN THE SERVICE BASE OR ELECTRICAL PANEL IS REMOVED. WITHOUT THE USE OF TOOLS.
    e. PREFERRED MANUFACTURERS: MERSEN AND SQUARE–D. ALL OTHERS SHALL BE PRE–APPROVED.
13. THE PEC FUSE–HOLDER AND FUSE SHALL BE MOUNTED ON THE FRONT PANEL, NEAR THE HOA OR OHA ROTARY SWITCH. THIS APPLIES TO 40A, 60A AND 100A ELECTRICAL PANELS.
14. THE PEC BYPASS SWITCH SHALL PER MMCD, A HEAVY–DUTY, 3–POSITION MAINTAINED, HOA OR OHA ROTARY SWITCH. A 2–POSITION ROTARY OR TOGGLE SWITCHES ARE NOT ACCEPTABLE.
15. THE FRONT PANEL PEC FUSE–HOLDER AND THE PEC BYPASS SWITCH SHALL BE PROVIDED WITH LABELS, DETAILS PER MMCD DRAWINGS.
16. THE PHOTO–ELECTRIC CONTROL (PEC) CIRCUIT FUSING SHALL PER MMCD, USE A 10–AMPERE KTK TYPE FUSE (600V), AND SUITABLE FRONT PANEL MOUNTED FUSE–HOLDER. PUSH–BUTTON CIRCUIT BREAKERS ARE NOT ACCEPTABLE.
17. PEC CONDUCTORS SHALL BE #12 RW90, COLOURS: RED, BLACK AND WHITE. THE PEC CONDUCTORS SHALL BE A COMPLETE RUN, WITHOUT SPLICES, FROM THE PEC TO THE ELECTRICAL PANEL. BUNDLED SEPARATE OF THE STREET LIGHTING CONDUCTORS.
18. THE CONTRACTOR SHALL ENSURE THE SERVICE BASE IS PROPERLY ORIENTATED SUCH THAT THE SERVICE CONDUIT (SC) IS ALIGNED TO THE PROTECTED AREA WITHIN THE ELECTRICAL PANEL.
19. STREET LIGHTS MOUNTED ON A SERVICE BASE SHALL BE WIRED PER MMCD DRAWINGS. LUMINAIRE CONDUCTORS SHALL BE GROUPED TOGETHER, AND SEPARATE OF THE PEC WIRING. GROUPING SHALL BE DONE WITH ELECTRICIANS TAPE.
20. GAPS OR OPENINGS BETWEEN THE STREET LIGHT POLE BASE FLANGES, THE OPENINGS FOR THE NUTS AND BOLTS, TO THE TOP OF THE SERVICE BASE, SHALL BE SEALED WITH RTV SEALANT.
21. HYDRO SERVICE (DIP) CONNECTIONS SHALL BE PER BC HYDRO STANDARDS OR PER MMCD (CURRENT EDITION). NOTE: HYDRO DIP SERVICES SHALL USE A STEEL GUARD OVER RPVC CONDUITS. THE USE OF RIGID CONDUIT AND/OR RPVC TO RIGID CONDUIT FITTINGS IS NO LONGER PERMITTED.
22. THE ELECTRICAL CONTRACTOR SHALL PRE–TEST THE OPERATION OF THE ELECTRICAL PANEL WITHIN THE SERVICE BASE. THIS INCLUDES TESTING THE OHA/HOA SWITCH AND PEC FOR DAYTIME / NIGHTTIME SIMULATION. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AN EMAIL TO TRAFFIC OPERATIONS STAFF TO ADVISE THE SERVICE BASE HAS BEEN DULY TESTED AND READY FOR CONNECTION.
23. THE EARTHING ELECTRODE SHALL BE SUPPLIED (TYPICALLY A PLATE) AND INSTALLED PER MMCD DRAWING E7.10:
    a. THE PLATE SHOULD BE IN NATURAL SOIL, NO ROCKS, NO SAND.
    b. WIRED WITH A BARE #6 EARTHING CONDUCTOR. FROM THE ELECTRICAL PANEL PROTECTED AREA, TO THE PLATE ELECTRODE TAB, WITH AN ILSCO #BGC–1DB CLAMP, SUITABLE FOR DIRECT BURIAL IN EARTH.
    c. THE PLATE MINIMUM DEPTH OF 900mm BELOW GRADE AND 200mm FROM CONCRETE BASE(S).
    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.

LUMINAIRE FIXTURE NOTES

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

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.
3. LUMINAIRES SHALL BE LED AND AS PER THE DESIGN DRAWINGS.
4. MULTI–USE PATHWAY (MUP), SIDEWALKS AND WALKWAY LIGHTING SHALL BE LED, 3000–DEGREES KELVIN, PER CITY OF COQUITLAM APPROVED PRODUCTS LIST. LED WATTAGES, POLE STYLE AND HEIGHT, POLE COLOUR AND CONCRETE BASE PER DESIGN PLANS.
5. THE PEC SOCKET SHALL BE PROVIDED WITH 7–CONTACTS (SMART LIGHTING PROVISIONS).
6. A NOTE SHALL BE PROVIDED TO INDICATE: PEC AIMED IN A NORTHERN DIRECTION.
7. LED LUMINAIRE FIXTURES SHALL BE PROVIDED WITH AN LED WATTAGE/LUMEN LABEL (BLACK LETTERING ON WHITE BACKGROUND). LABEL SHALL BE VISIBLE FROM THE GROUND.

LEGEND

Symbol	Description
	PROPOSED DAVIT STREETLIGHT POLE (6.6m – 60W LED TYPE 2ES DISTRIBUTION) ON A 0.9m 40A MMCD SERVICE BASE C/W SURGE PROTECTOR ON A TYPE C3 CONCRETE BASE AND CONCRETE WORKING PAD (1m x 1m x 100mm) (SEE ELEVATION ON SHEET 2)
	PROPOSED DAVIT STREETLIGHT POLE (7.5m – 60W LED TYPE 2ES DISTRIBUTION) ON A TYPE C2 CONCRETE BASE (SEE ELEVATION ON SHEET 2)
	PROPOSED PATHWAY POLE (5.0m – 20W LED TYPE 2ES DISTRIBUTION) ON A TYPE C2 CONCRETE BASE (SEE ELEVATION ON SHEET 2)
	FUTURE DAVIT STREETLIGHT POLE
	PROPOSED POLYMER COMMUNICATIONS JUNCTION BOX (24 x 36 x 36, 36" DEEP TOTAL, OPEN BOTTOM) C/W LID LABELED "COMM" AND STAINLESS STEEL PENTA BOLTS
R	LUMINAIRE ON RED PHASE CONDUCTOR
B	LUMINAIRE ON BLACK PHASE CONDUCTOR
(01)	LUMINAIRE NUMBER
UE	PROPOSED 3 No.4 AL RW90 ST. LTG. & 1 No.6 AL RW90 BOND IN 53mm RPVC
UE	PROPOSED 2 No.4 AL RW90 ST. LTG. & 1 No.6 AL RW90 BOND IN 53mm RPVC
	PROPOSED 53mm RPVC STUB OUT FOR FUTURE EXTENSION (CAP & MARK LOCATION)
CO	PROPOSED 53mm RPVC CONDUIT ONLY
DS	PROPOSED 53mm DIP SERVICE C/W 3 No. 6 RW90 SERVICE CONDUCTORS
	PROPOSED 1–78mm RPVC COMMUNICATIONS CONDUIT
	RELOCATED BC HYDRO POLE
	EXISTING BC HYDRO POLE

NOT FOR CONSTRUCTION
2025-03-28

BC 1 CALL — CALL BEFORE YOU DIG! 1-800-474-6886 or by CELLULAR #6886 Vancouver Area 257-1940
CALL AT LEAST TWO FULL WORKING DAYS BEFORE YOU PLAN TO DIG

COQ. ASBUILT 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.

DMD & Associates Electrical Consultants Ltd.
#12-17358 104A Avenue, Surrey, BC, Canada V4N 5M3
www.dmdeng.com 604/589-9010
office@dmdeng.com Fax 604/589-9012
DMD PROJECT No. 7295-21-01 of 04

No.	Date	By	Revisions
1	28-03-2025	JM	ISSUED FOR TENDER
.	03-11-2023	.	DETAILED DESIGN
.	26-07-2021	.	PRELIMINARY SUBMISSION

ACCEPTED FOR CONSTRUCTION
Date:___________
Manager of Development Servicing

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

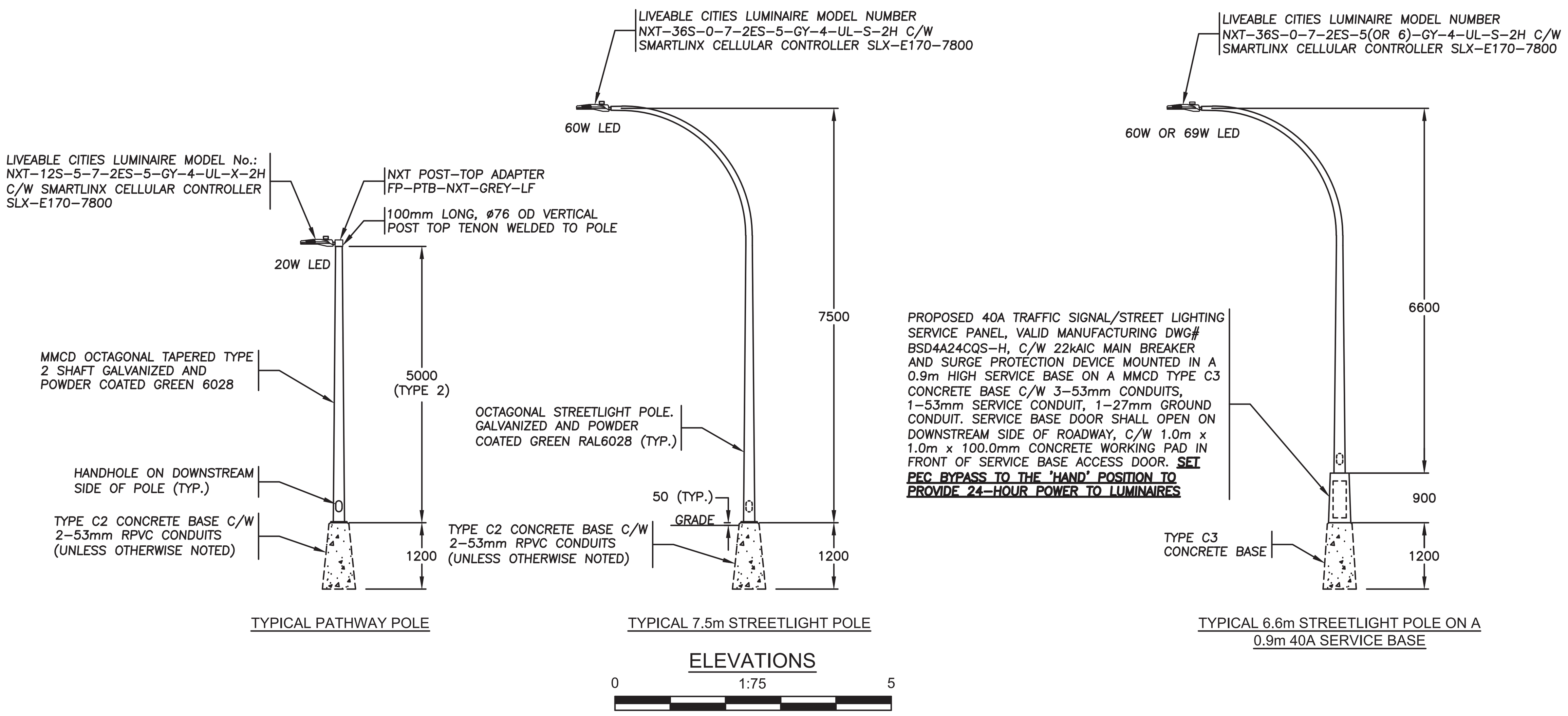
PERMIT TO PRACTICE
Signature:
Date: 28-03-2025
PERMIT NUMBER: 1000771
The Association of Professional Engineers and Geoscientists of British Columbia

Seal: PROFESSIONAL ENGINEER, PROVINCE OF BRITISH COLUMBIA, N. W. BRIGHT # 37711, 2025-03-28

Design by JM	Date 09-06-2021	Scale -
Drawn by YJ	Date 09-06-2021	Sheet of 1 OF 4
Checked by DIS	Date 09-06-2021	Eng. Project No. .
Approved by NB	Date 09-06-2021	

Project: CEDAR DRIVE
GILLEYS TRAIL TO THE SOUTH 1km
Description: STREET LIGHTING
File: 7295-21

Plot Date: March 28, 2025


LIVEABLE CITIES LUMINAIRE MODEL No.: NXT–12S–5–7–2ES–5–GY–4–UL–X–2H C/W SMARTLINX CELLULAR CONTROLLER SLX–E170–7800
NXT POST–TOP ADAPTER FP–PTB–NXT–GREY–LF
100mm LONG, ø76 OD VERTICAL POST TOP TENON WELDED TO POLE
20W LED
MMCD OCTAGONAL TAPERED TYPE 2 SHAFT GALVANIZED AND POWDER COATED GREEN 6028
5000 (TYPE 2)
HANDHOLE ON DOWNSTREAM SIDE OF POLE (TYP.)
TYPE C2 CONCRETE BASE C/W 2–53mm RPVC CONDUITS (UNLESS OTHERWISE NOTED)
1200
TYPICAL PATHWAY POLE
LIVEABLE CITIES LUMINAIRE MODEL NUMBER NXT–36S–0–7–2ES–5–GY–4–UL–S–2H C/W SMARTLINX CELLULAR CONTROLLER SLX–E170–7800
60W LED
7500
OCTAGONAL STREETLIGHT POLE. GALVANIZED AND POWDER COATED GREEN RAL6028 (TYP.)
50 (TYP.)
GRADE
TYPE C2 CONCRETE BASE C/W 2–53mm RPVC CONDUITS (UNLESS OTHERWISE NOTED)
1200
TYPICAL 7.5m STREETLIGHT POLE
LIVEABLE CITIES LUMINAIRE MODEL NUMBER NXT–36S–0–7–2ES–5(OR 6)–GY–4–UL–S–2H C/W SMARTLINX CELLULAR CONTROLLER SLX–E170–7800
60W OR 69W LED
6600
PROPOSED 40A TRAFFIC SIGNAL/STREET LIGHTING SERVICE PANEL, VALID MANUFACTURING DWG# BSD4A24CQS–H, C/W 22kAIC MAIN BREAKER AND SURGE PROTECTION DEVICE MOUNTED IN A 0.9m HIGH SERVICE BASE ON A MMCD TYPE C3 CONCRETE BASE C/W 3–53mm CONDUITS, 1–53mm SERVICE CONDUIT, 1–27mm GROUND CONDUIT. SERVICE BASE DOOR SHALL OPEN ON DOWNSTREAM SIDE OF ROADWAY, C/W 1.0m x 1.0m x 100.0mm CONCRETE WORKING PAD IN FRONT OF SERVICE BASE ACCESS DOOR. SET PEC BYPASS TO THE 'HAND' POSITION TO PROVIDE 24–HOUR POWER TO LUMINAIRES
900
TYPE C3 CONCRETE BASE
1200
TYPICAL 6.6m STREETLIGHT POLE ON A 0.9m 40A SERVICE BASE
ELEVATIONS
0
1:75
5

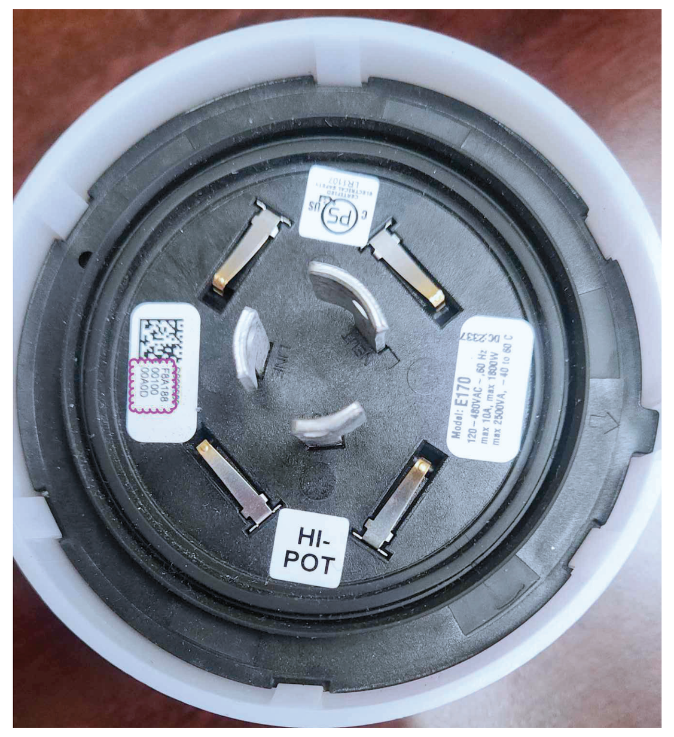
THE CONTRACTOR SHALL PROVIDE PHOTOGRAPHIC EVIDENCE SHOWING THE INSTALLED DEPTH OF THE GROUND PLATE / ROD WITH RESPECT TO FINISHED GRADE AND DISTANCE FROM THE CONCRETE BASE AS DETAILED IN THE MMCD

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

120V SERVICE LOAD

(NEW 40A-120/240V SERVICE BASE NEAR STA 0+750 ON CEDAR DRIVE)

WATTAGE (W)	CCT.PHASE	EXISTING	REMOVED	NEW	TOTAL No. OF LIGHTS	CURRENT(A)
20W	R	0	0	4	4	0.67A
	B	0	0	5	5	0.83A
60W	R	0	0	3	3	1.50A
	B	0	0	5	5	2.50A
69W	R	0	0	1	1	0.58A
	B	0	0	0	0	0.00A
1.15% VOLTAGE DROP						

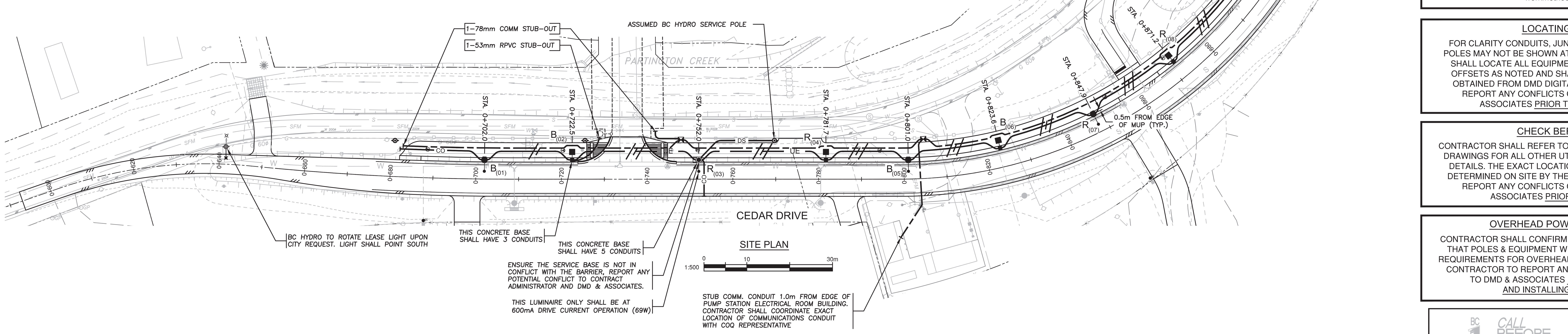


EXAMPLE MAC ADDRESS ON E170 CONTROLLER

LUMINAIRE TABLE

LUMINAIRE NUMBER	MAC ADDRESS – 16 DIGIT
01	F8A
02	F8A
03	F8A
04	F8A
05	F8A
06	F8A
07	F8A
08	F8A
09	F8A
10	F8A
11	F8A
12	F8A
13	F8A
14	F8A
15	F8A
16	F8A
17	F8A
18	F8A
19	F8A
20	F8A
21	F8A
22	F8A
23	F8A
24	F8A
25	F8A
26	F8A
27	F8A
28	F8A
29	F8A
30	F8A
31	F8A
32	F8A
33	F8A
34	F8A
35	F8A
36	F8A
37	F8A

CONTRACTOR SHALL RECORD SMARTLINKX E170 CONTROLLER 16-DIGIT MAC ADDRESS INSTALLED ON EACH LUMINAIRE AND SHALL NOTE ON RED-LINE DRAWINGS. REDLINE DRAWINGS SHALL BE SUBMITTED TO DMD & ASSOCIATES WHEN INSTALLATION IS COMPLETE


A – MATCH LINE REFER TO SHEET 3 – A
STA. 1+043.1
R(15)
STA. 1+018.1
B(14)
STA. 0+993.1
B(13)
STA. 0+968.1
R(12)
STA. 0+943.1
R(11)
STA. 0+919.1
B(10)
STA. 0+895.3
B(09)
STA. 0+871.2
R(08)
STA. 0+847.9
R(07)
0.5m FROM EDGE OF MUP (TYP.)
STA. 0+823.6
B(06)
STA. 0+801.0
B(05)
STA. 0+781.7
R(04)
STA. 0+752.0
R(03)
STA. 0+722.5
B(02)
STA. 0+702.0
B(01)
1–78mm COMM STUB–OUT
1–53mm RPVC STUB–OUT
ASSUMED BC HYDRO SERVICE POLE
PARTINGTON CREEK
CEDAR DRIVE
BC HYDRO TO ROTATE LEASE LIGHT UPON CITY REQUEST. LIGHT SHALL POINT SOUTH
THIS CONCRETE BASE SHALL HAVE 3 CONDUITS
THIS CONCRETE BASE SHALL HAVE 5 CONDUITS
ENSURE THE SERVICE BASE IS NOT IN CONFLICT WITH THE BARRIER, REPORT ANY POTENTIAL CONFLICT TO CONTRACT ADMINISTRATOR AND DMD & ASSOCIATES.
THIS LUMINAIRE ONLY SHALL BE AT 600mA DRIVE CURRENT OPERATION (69W)
STUB COMM. CONDUIT 1.0m FROM EDGE OF PUMP STATION ELECTRICAL ROOM BUILDING. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF COMMUNICATIONS CONDUIT WITH COQ REPRESENTATIVE
SITE PLAN
1:500
0
10
30m

NOT FOR CONSTRUCTION

2025-03-28

CAUTION!

EXCAVATION NEAR OVERHEAD UTILITY POLE

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

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.

OVERHEAD POWER LINE CONFLICTS

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

BC 1 CALL — CALL BEFORE YOU DIG! 1-800-474-6886 or by CELLULAR #6886 Vancouver Area 257-1940 CALL AT LEAST TWO FULL WORKING DAYS BEFORE YOU PLAN TO DIG

COQ. ASBUILT No.

EXXXX

ENSURE ALL LUMINAIRES ARE INSTALLED PARALLEL TO THE ROAD GRADE.

Benchmark:

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

DMD & Associates Electrical Consultants Ltd.
#12-17358 104A Avenue, Surrey, BC, Canada V4N 5M3
www.dmdeng.com 604/589-9010
office@dmdeng.com Fax 604/589-9012
DMD PROJECT No. 7295-21-02 of 04

No.	Date	By	Revisions
1	28-03-2025	JM	ISSUED FOR TENDER
.	03-11-2023	.	DETAILED DESIGN
.	26-07-2021	.	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: [illegible]
Date: 28-03-2025
PERMIT NUMBER: 1000771
The Association of Professional Engineers and Geoscientists of British Columbia

Seal: PROFESSIONAL PROVINCE OF N. W. BRIGHT # 37711 BRITISH COLUMBIA ENGINEER 2025-03-28

Design by	Date	Scale
JM	09-06-2021	AS NOTED
Drawn by	Date	Sheet of
YJ	09-06-2021	2 OF 4
Checked by	Date	Eng. Project No.
DIS	09-06-2021	.
Approved by	Date	
NB	09-06-2021	

Project: CEDAR DRIVE
GILLEYS TRAIL TO THE SOUTH 1km
Description: STREET LIGHTING
File: 7295-21

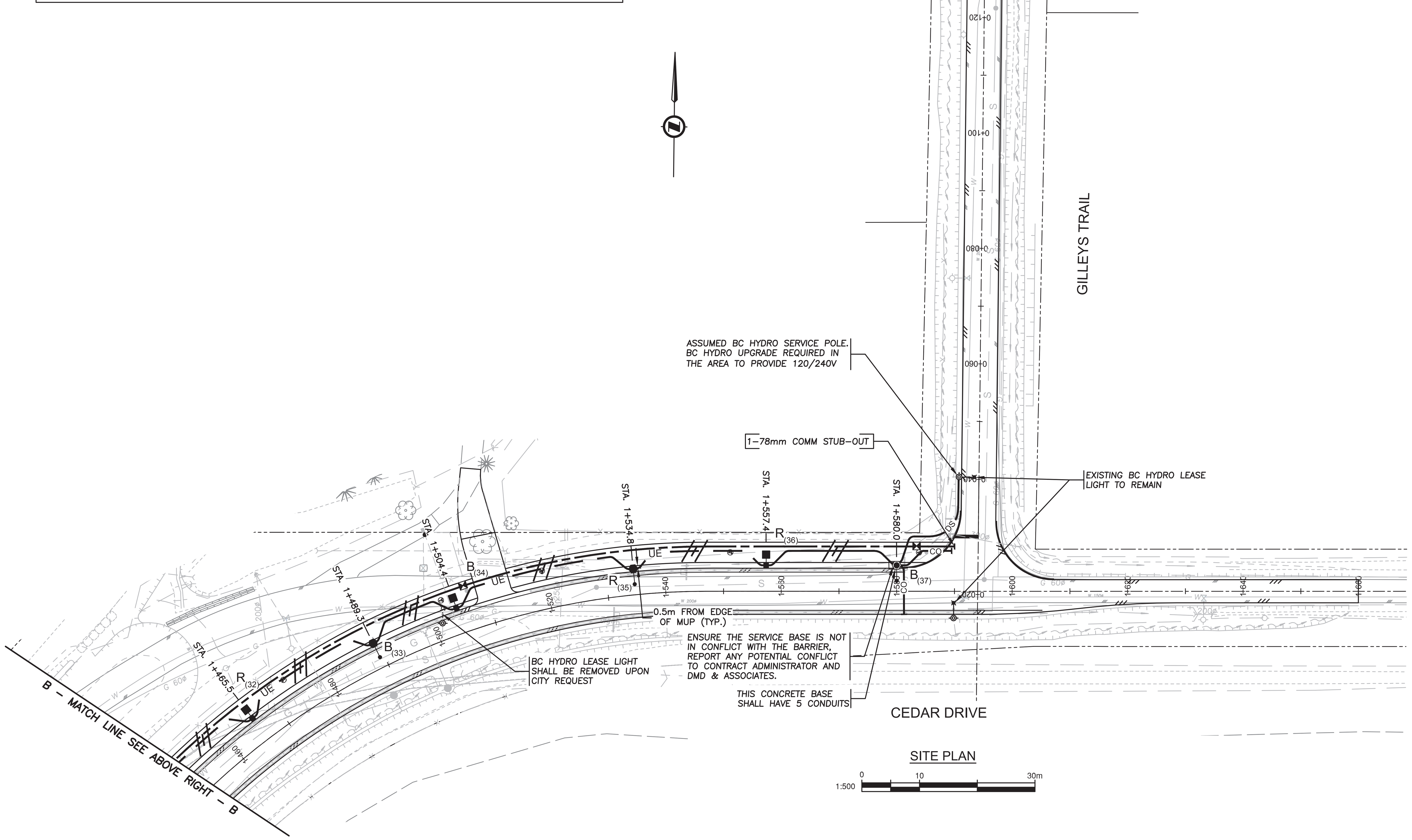
Plot Date: March 28, 2025

REFER TO SHEET 4 FOR IRRIGATION CONTROLLER DETAILS

SITE PLAN

1:500 0 10 30m

120V SERVICE LOAD (NEW 40A-120/240V SERVICE BASE NEAR GILLEYS TRAIL ON CEDAR DRIVE)						
WATTAGE (W)	CCT.PHASE	EXISTING	REMOVED	NEW	TOTAL No. OF LIGHTS	CURRENT(A)
20W	R	0	0	5	5	0.83A
	B	0	0	4	4	0.67A
60W	R	0	0	5	5	2.50A
	B	0	0	5	5	2.50A
1.66% VOLTAGE DROP						



SITE PLAN

1:500 0 10 30m

ROADWAY LIGHTING DESIGN CRITERIA PER: (CITY BYLAW 3558)			
INTERSECTION (NAME)	CEDAR DRIVE		
LAND USE CLASSIFICATION	RESIDENTIAL		
ROADWAY CLASSIFICATION & WIDTH	LOCAL–6.6m		
PEDESTRIAN ACTIVITY	MEDIUM		
LUMINANCE RECOMMENDED/DELIVERED	0.5 cd/m²	0.6 cd/m²	
UNIFORMITY RECOMMENDED/DELIVERED (AVG:MIN)	6.0:1	2.0:1	
UNIFORMITY RECOMMENDED/DELIVERED (MAX:MIN)	10.0:1	3.7:1	
LV RATIO RECOMMENDED/ DELIVERED (VLMAX:AVG)	0.4:1	0.3:1	
LIGHT LOSS FACTOR	0.85		
SPACING	54.0m ONE–SIDED		
EQUIPMENT			
FIXTURE TYPE: LED	WATTAGE: 60W	MTG. HEIGHT: 7.5m	DIST TYPE: 2ES
IES FILE:	NXT–36S–525mA–2ES–3000K	MODEL: NXT–36S SERIES	

* BASED ON THE WORST CASE SCENARIO
** BASED ON A 20 YEAR FIXTURE LIFE & 10 YEAR CLEANING CYCLE

WALKWAY LIGHTING DESIGN CRITERIA PER: (CITY BYLAW 3558)			
WALKWAY (NAME)	MULTI–USE PATHWAY		
WALKWAY CLASSIFICATION	MEDIUM		
ILLUMINANCE RECOMMENDED/DELIVERED	5.0 LUX	5.6 LUX	
UNIFORMITY RECOMMENDED/DELIVERED	5.0:1	3.1:1	
LIGHT LOSS FACTOR	0.85		
SPACING (SINGLE SIDED)	25.0m ALTERNATING PEDESTRIAN AND STREETLIGHT		
EQUIPMENT			
FIXTURE TYPE: LED	WATTAGE: 60W/20W	MTG. HEIGHT: 7.5m/5.0m	DIST TYPE: 2ES
IES FILE:	NXT–36S–525mA–2ES–3000K NXT–12S–525mA–2ES–3000K	MODEL: NXT–36S/NXT–12S	

* BASED ON THE WORST CASE SCENARIO

ENSURE ALL LUMINAIRES ARE INSTALLED PARALLEL TO THE ROAD GRADE.

NOT FOR CONSTRUCTION
2025-03-28

CAUTION!
EXCAVATION NEAR OVERHEAD UTILITY POLE

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

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.

OVERHEAD POWER LINE CONFLICTS

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

BC 1 CALL — CALL BEFORE YOU DIG! 1-800-474-6886 or by CELLULAR *6886 Vancouver Area 257-1940
CALL AT LEAST TWO FULL WORKING DAYS BEFORE YOU PLAN TO DIG

COQ. ASBUILT 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.

DMD & Associates Electrical Consultants Ltd.
#12-17358 104A Avenue, Surrey, BC, Canada V4N 5M3
www.dmdeng.com 604/589-9010
office@dmdeng.com Fax 604/589-9012

DMD PROJECT No. 7295-21-03 of 04

No.	Date	By	Revisions
1	28-03-2025	JM	ISSUED FOR TENDER
.	03-11-2023	.	DETAILED DESIGN
.	26-07-2021	.	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: [illegible]
Date: 28-03-2025
PERMIT NUMBER: 1000771
The Association of Professional Engineers and Geoscientists of British Columbia

Seal: PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA N. W. BRIGHT # 3[illegible]71 2025-03-28

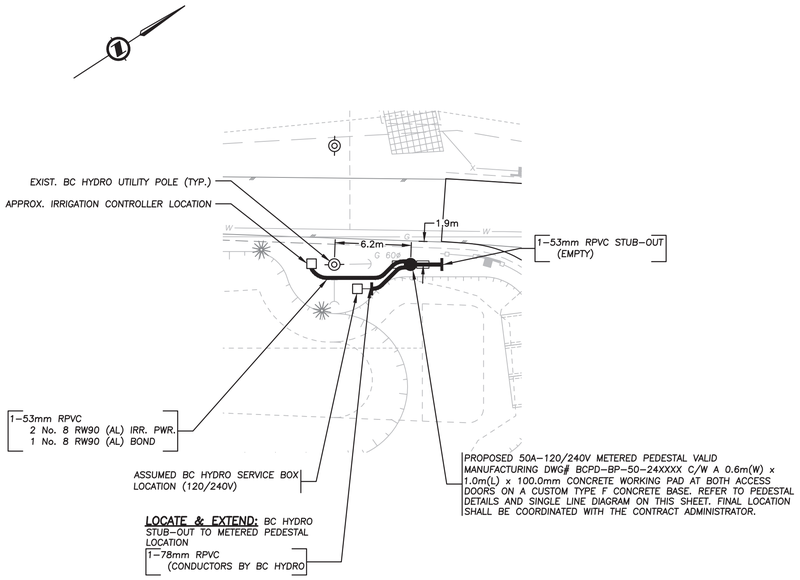
Design by	Date	Scale
JM	09-06-2021	1:500
Drawn by	Date	Sheet of
YJ	09-06-2021	3 OF 4
Checked by	Date	Eng. Project No.
DIS	09-06-2021	.
Approved by	Date	
NB	09-06-2021	

Project
CEDAR DRIVE
GILLEYS TRAIL TO THE SOUTH 1km

Description
STREET LIGHTING

File: 7295-21

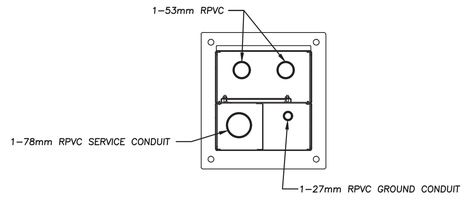
Plot Date: March 28, 2025



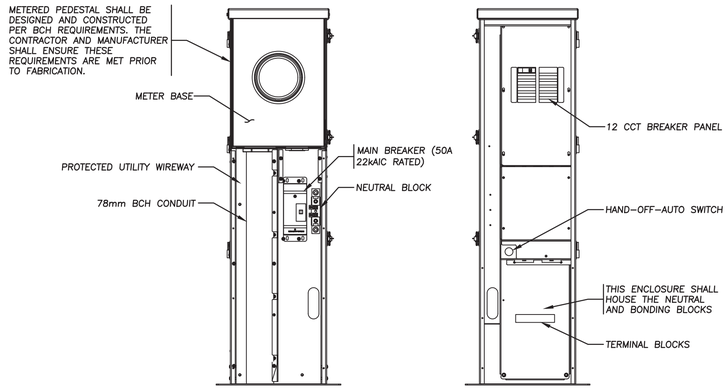
SITE PLAN

1:250 0 5 15m

METERED PEDESTAL SHALL BE INSTALLED ON A CUSTOM TYPE F CONTROLLER BASE, PER MMCD DRAWING E1.7 AND DETAILS ON RIGHT. THE CONTRACTOR SHALL ENSURE ANCHOR BOLT LOCATION ALIGN WITH THE PEDESTAL AND ARE SIZED PER THE MANUFACTURER'S SPECIFICATION. THE CONTRACTOR SHALL COORDINATE THE CONDUIT LAYOUT TO SUIT THE METERED PEDESTAL.

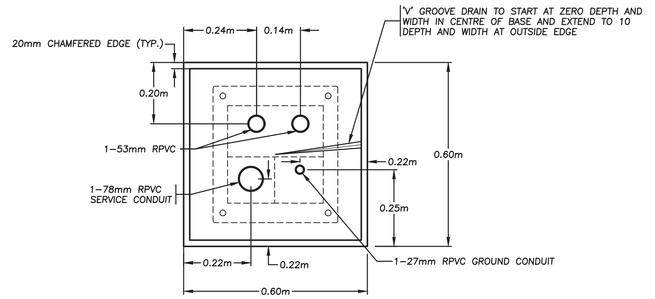


BOTTOM SECTION

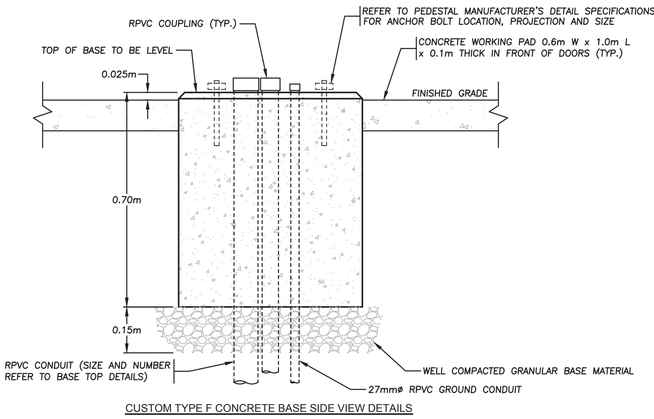


FRONT VIEW - METER AND MAIN BREAKER SIDE
(COVERS HIDDEN)

REAR VIEW - PANEL SIDE
(COVERS HIDDEN)



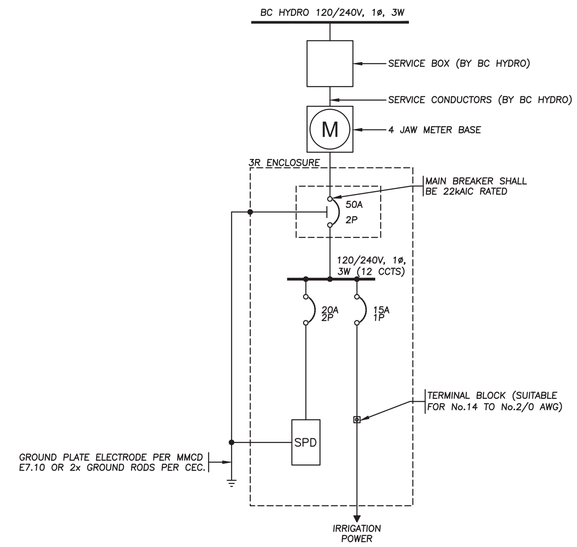
CUSTOM TYPE F CONCRETE BASE TOP DETAILS



CUSTOM TYPE F CONCRETE BASE SIDE VIEW DETAILS

METERED PEDESTAL AND CONCRETE BASE DETAIL

N.T.S.



METERED PEDESTAL SINGLE LINE DIAGRAM

N.T.S.

REFER TO SHEETS 2 & 3 FOR STREET LIGHTING DETAILS

NOT FOR CONSTRUCTION
2025-03-28

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or by CELLULAR #6886
Vancouver Area 257-7940
CALL AT LEAST TWO FULL WORKING DAYS BEFORE YOU PLAN TO DIG

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DMD PROJECT No. 7295-21-04 of 04

No.	Date	By	Revisions
.	28-03-2025	JM	ISSUED FOR TENDER

ACCEPTED FOR CONSTRUCTION
Date:

Manager of Development Servicing

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

PERMIT TO PRACTICE
Signature:
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Seal:
PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — N. W. BRIGHT
2025-03-28

Design by JM	Date 09-06-2021	Scale AS NOTED	
Drawn by YJ	Date 09-06-2021	Sheet of 4 OF 4	
Checked by DIS	Date 09-06-2021	Eng. Project No. -	
Approved by NB	Date 09-06-2021		

Project: CEDAR DRIVE
GILLEYS TRAIL TO THE SOUTH 1km
Description: IRRIGATION CONTROLLER POWER
File: 7295-21

Plot Date: March 28, 2025