

Mackin Park Concession Renewal - Civil Engineering Drawings

Issued for Request for Proposal



Location Map (NTS)

Contact Information

VDZ+A

Project Civil Engineering

Fort Langley Studio
102 - 9181 Church Street
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City of Coquitlam

Project Owner

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Legal Address and Description:

Lot 17 District Lots 45, 46 and 48 Group
1 NWD Plan 63676

Sheet List Table

Sheet Number	Sheet Title
CV-00	COVER SHEET
CV-01	KEY PLAN
CV-02	SANITARY PROFILE
CN-01	CIVIL NOTES

NOT FOR CONSTRUCTION

6	TW	Issued for RFP	2025-06-24
5	TW	Issued for Building Permit	2025-06-11
4	TW	Issued for Building Permit	2025-05-26
3	TW	Issued for Pricing	2025-04-29
2	TW	Issued for Schematic Design	2025-04-15
1	TW	Issued for Review	2025-03-27
No.	By:	Description	Date

REVISIONS TABLE FOR DRAWINGS
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No.	By:	Description	Date
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REVISIONS TABLE FOR SHEET

Project:
MACKIN PARK
CONCESSION RENEWAL

Location:
1046 BRUNETTE AVENUE
COQUITLAM, B.C.

Drawn: AB	Stamp:
Checked: TW	PP No.: 1001970
Approved: TW	Original Sheet Size: 24"x36"
Scale: NTS	CONTRACTOR SHALL CHECK ALL DIMENSIONS ON THE WORK AND REPORT ANY DISCREPANCY TO THE CONSULTANT BEFORE PROCEEDING. ALL DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF THE OWNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK. ALL REZONING OR PP/AP/AP-PP DRAWINGS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.

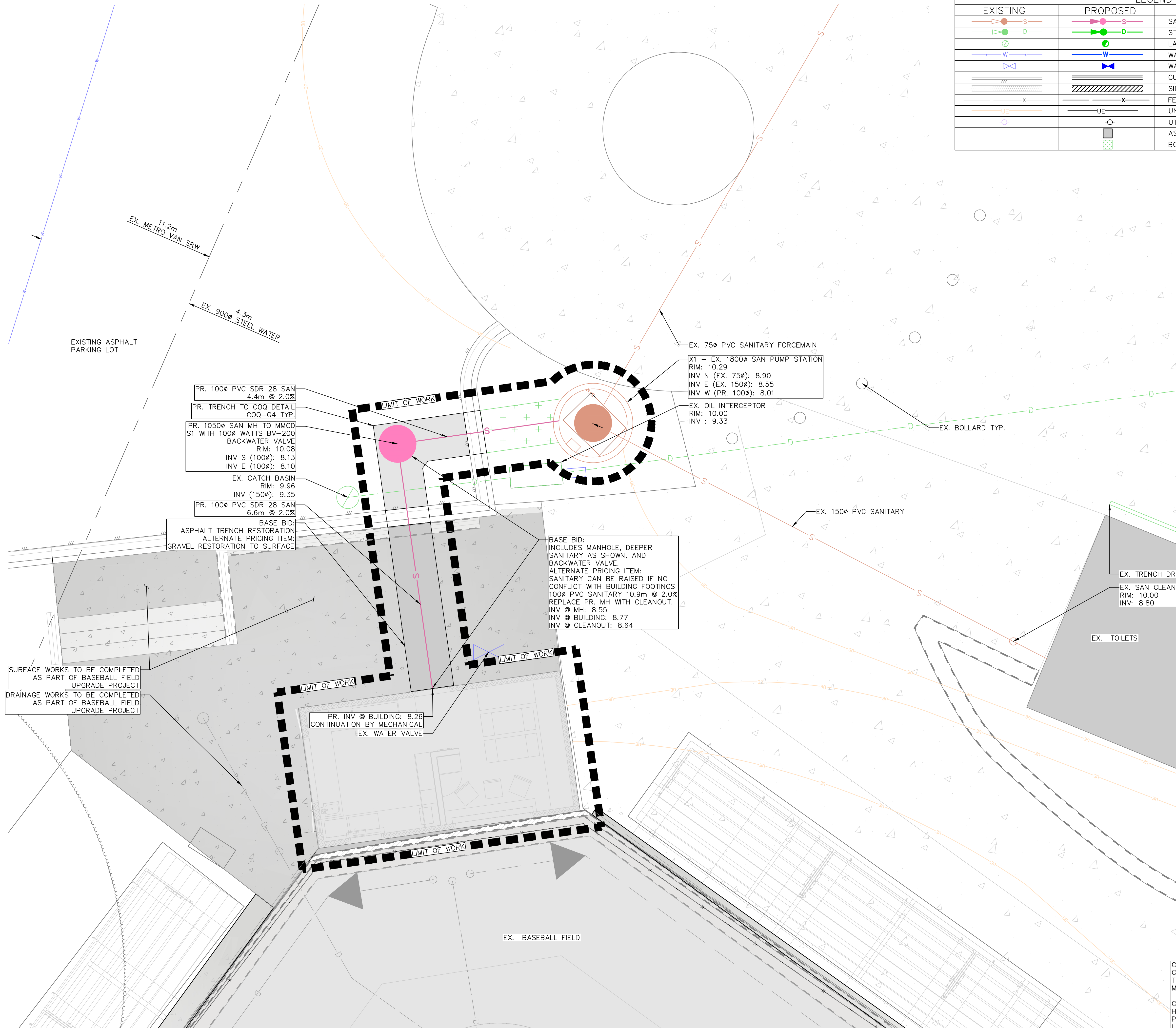
Drawing Title:
COVER SHEET



VDZ Project #:
PR2024-23

Drawing #:
CV-00

Z:\PROJECTS\PARKS & RECREATION\ACTIVE\2024\PR2024-23 MACKIN PARK CONCESSIONS.DWG\SHEETS\CIVIL SHEETS\CV-01 KEY PLAN.DWG



LEGEND		
EXISTING	PROPOSED	DESCRIPTION
		SANITARY SEWER
		STORM SEWER
		LAWN BASIN
		WATER MAIN
		WATER VALVE
		CURB & GUTTER
		SIDEWALK
		FENCE LINES
		UNDERGROUND ELECTRICAL
		UTILITY POLE
		ASPHALT
		BOULEVARD

VDZ+A
LANDSCAPE ARCHITECTURE | CIVIL ENGINEERING | URBAN FORESTRY

FORT LANGLEY STUDIO | MOUNT PLEASANT STUDIO
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Fort Langley, BC | Vancouver, BC
V4M 2B8 | VST 317
www.vdz.ca | 604-882-0024

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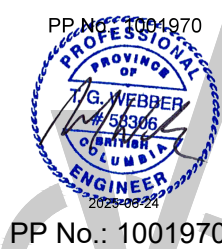
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CONCESSION RENEWAL

Location:
1046 BRUNETTE AVENUE
COQUITLAM, B.C.

Drawn:
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Checked:
TW

Approved:
TW

Scale:
1:50

Original Sheet Size:
24"x36"

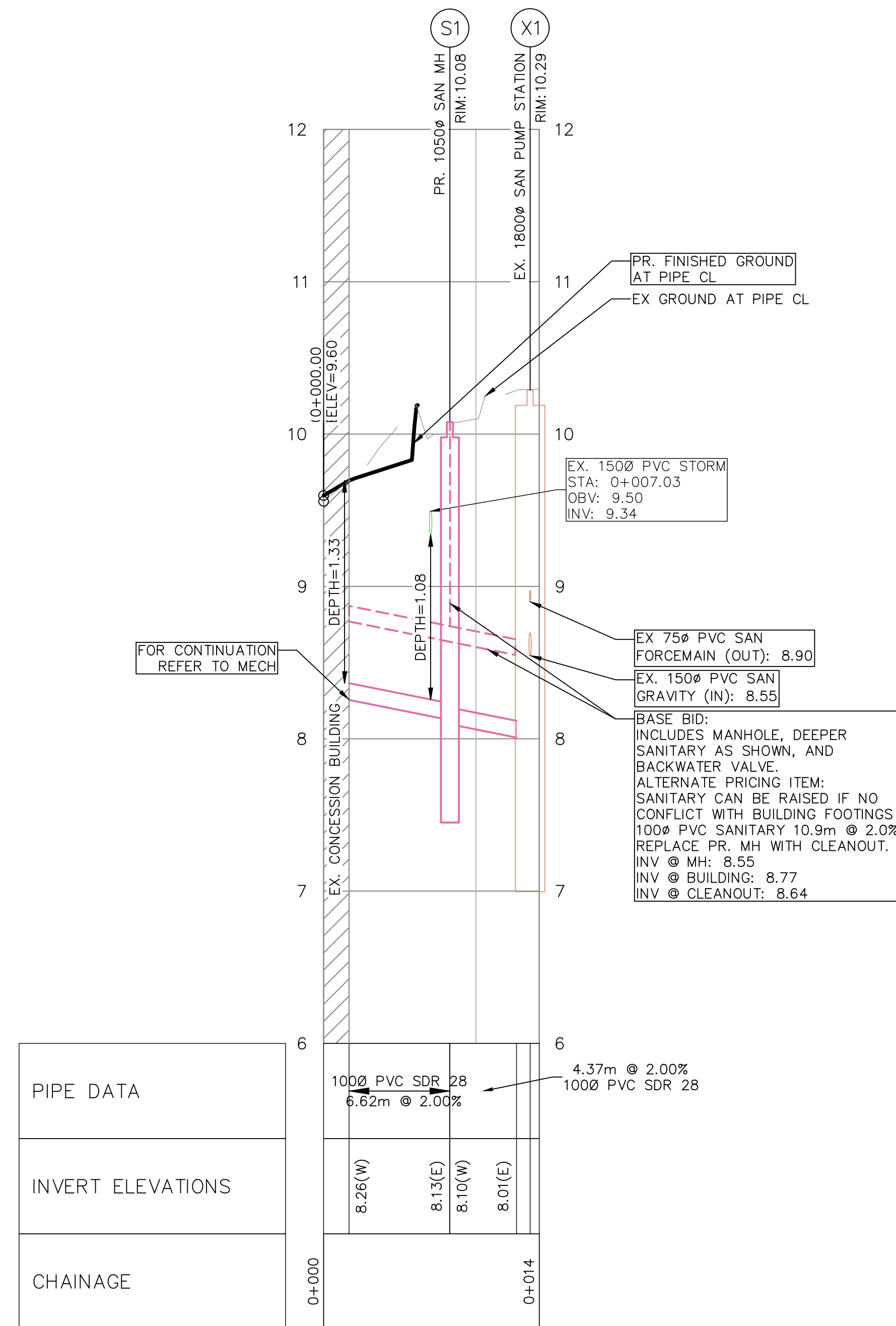
CONTRACTOR TO TEST PIT IN ORDER TO CONFIRM ALL LOCATIONS, DEPTHS, AND TYPE OF SERVICE PRIOR TO ORDERING MATERIALS.
CONTRACTOR TO CONTACT TELUS, BC HYDRO, FORTISBC, AND BC ONE CALL PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT

Drawing Title:
KEY PLAN

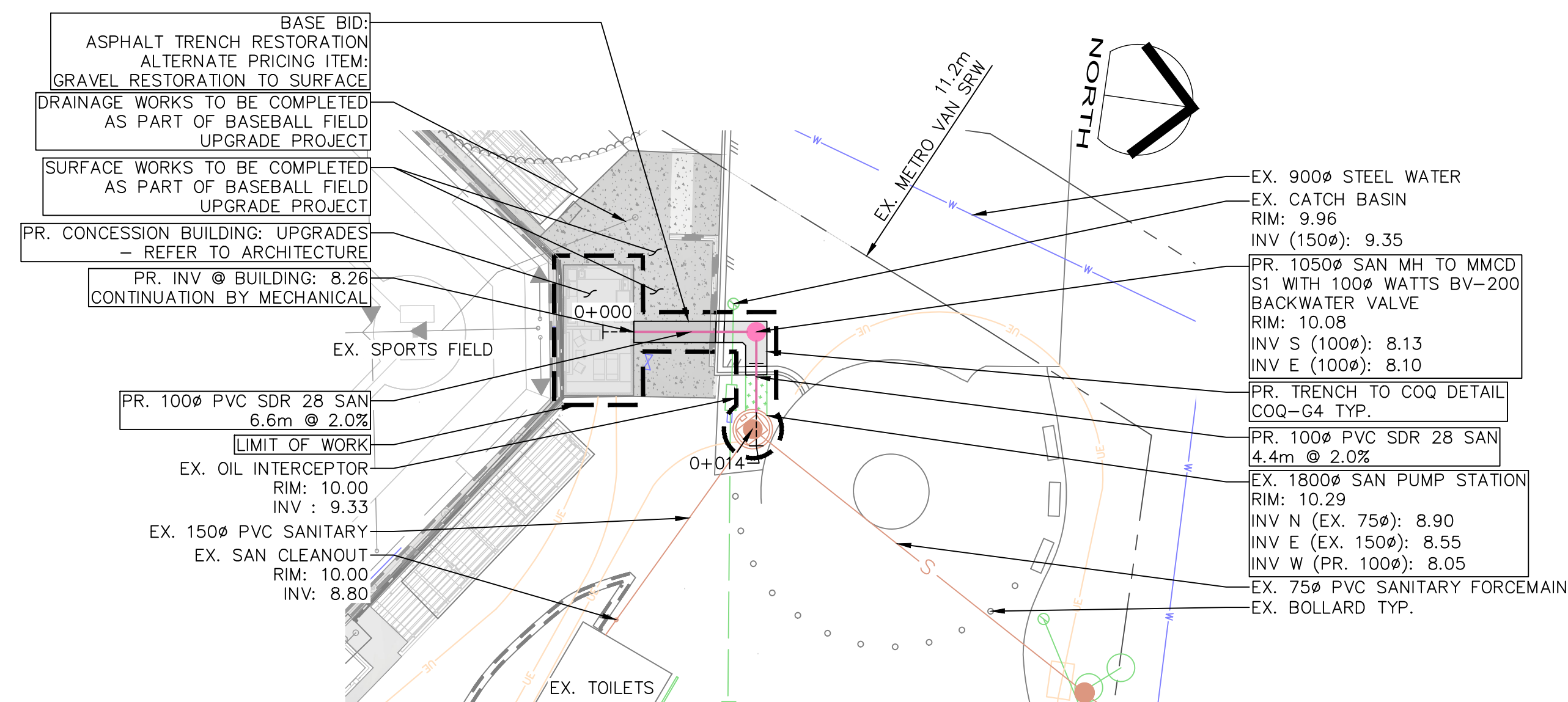


Drawing Project #:
PR2024-23

Drawing #:
CV-01



1 PROPOSED SANITARY SERVICE TO CONCESSION PROFILE
SCALE: 1:250 1V:10H



1 PROPOSED SANITARY SERVICE TO CONCESSION PLANT
SCALE: 1:250

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Drawing Title:

SANITARY PROFILE

VDZ Project #:
PR2024-23

Drawing #:
CV-02

CIVIL CONSTRUCTION NOTES:

1.0 ALL WORK MUST BE IN ACCORDANCE WITH THE MASTER MUNICIPAL CONSTRUCTION DOCUMENT (LATEST EDITION), B.C. BUILDING CODE (2024), AND TO CITY OF COQUITLAM SPECIFICATIONS AND STANDARD DETAIL DRAWINGS AND THE CIVIL PROJECT SPECIFICATIONS.

2.0 THE GENERAL CONTRACTOR SHALL NOTIFY THE PRIMARY PROJECT CONTACT PRIOR TO COMMENCING WORK TO ENSURE THE PROJECT TEAM HAS THE LATEST PLANS AND SPECIFICATIONS ISSUED FOR CONSTRUCTION. THE GENERAL CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ISSUING PLANS AND SPECIFICATIONS TO ASSIGNED SUBCONTRACTORS. CIVIL PLANS PREPARED BY VAN DER ZALM AND ASSOCIATES WILL CONTAIN "ISSUED FOR CONSTRUCTION" WITHIN THE REVISIONS TABLE AND WILL INCLUDE PROPER SIGNATURE AND SEAL FROM THE PROJECT ENGINEER DATED THE SAME DATE MATCHING THE DATE LISTED WITHIN THE REVISIONS TABLE TO IDENTIFY CONSTRUCTION DRAWINGS.

3.0 THE CONTRACTOR IS CAUTIONED THAT THE SUBSURFACE UTILITY INFORMATION SHOWN ON THESE PLANS IS PRODUCED FROM A COMBINATION THAT MAY OR MAY NOT INCLUDE RECORD DRAWINGS, GIS DATA, SURVEY DATA, AND FIELD OBSERVATIONS. CONTRACTOR AND/OR SUBCONTRACTORS SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK THROUGH AN APPROPRIATE MEANS INCLUDING BY CONTACTING BC ONE CALL, FIELD VERIFYING, OR TEST PITTING. THE CONTRACTOR AND/OR SUBCONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES (UNDERGROUND, AT SURFACE, AND OVERHEAD). SUBSURFACE UTILITY INFORMATION HAS NOT BEEN PROVIDED TO CSA STANDARD S250 DETAIL

4.0 IF THE CONTRACTOR ENCOUNTERS ANY UTILITY LINES WITHIN THE SITE INCLUDING DRAIN TILE OR IRRIGATION LINES, HE OR SHE SHALL NOTIFY THE ENGINEER WITH THE LOCATION, SIZE, INVERT AND DIRECTION OF THOSE UTILITY LINES. NO UTILITY LINE SHALL BE BACKFILLED OR ALTERED WITHOUT REVIEW, DISCUSSION AND WRITTEN APPROVAL FROM THE PRIMARY PROJECT CONTACT. THE CONTRACTOR SHALL BEAR RESPONSIBILITY FOR THE RELOCATING OF ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS AT NO ADDITIONAL COST TO THE OWNER..

5.0 THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES OR EXISTING FEATURES TO REMAIN DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OR EXISTING FEATURES TO REMAIN OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.

6.0 ACTIVITIES PROHIBITED OUTSIDE OF THE CONSTRUCTION BOUNDARIES WOULD INCLUDE, BUT NOT BE LIMITED TO: SOIL AND OTHER MATERIAL STOCKPILING, EQUIPMENT OR MACHINERY STORAGE, DRIVING OF ANY VEHICLE, LEAKAGE OR SPILLAGE OF ANY "WASHOUT" OR OTHER TOXIC MATERIAL. THE COLLECTION OF OTHER DEBRIS AND SOIL STOCKPILING WILL BE IN AN AREA DETERMINED ON-SITE BY THE ENGINEER.

7.0 ALL RESTRICTED AREAS SHALL BE FENCED OFF WITH BRIGHT ORANGE POLYETHYLENE SAFETY NETTING AND STEEL STAKES AS SHOWN ON THE TREE PROTECTION DETAIL. AT NO TIME SHALL THIS FENCING BE REMOVED OR ACTIVITY OF ANY KIND TAKE PLACE WITHIN IT. FINAL PLACEMENT OF ALL PROTECTIVE FENCING SHALL BE COMPLETE BEFORE ANY WORK COMMENCES ON-SITE.

8.0 ALL WATER AND SEWER UTILITY WORK WILL CONFORM TO THE BC BUILDING CODE, CITY OF COQUITLAM CONSTRUCTION STANDARDS AND THE LATEST EDITION OF THE MMCD. IF THERE IS A CONFLICT BETWEEN APPLICABLE STANDARDS, THE MORE STRINGENT STANDARD WILL GOVERN.

9.0 PRIOR TO PLACEMENT OF STRUCTURAL SOIL, SUBGRADE OR SOIL DRAINAGE MEDIUM, REFER TO GEOTECHNICAL SOIL RECOMMENDATIONS AND VERIFY PLACEMENT IS ACCEPTABLE TO THE PROJECT GEOTECHNICAL ENGINEER.

10.0 SUBSTITUTIONS OR DEVIATIONS FROM THE CIVIL PROJECT PLANS OR SPECIFICATIONS ARE NOT ALLOWED WITHOUT WRITTEN APPROVAL FROM THE PROJECT ENGINEER.

11.0 OPEN TRENCH OPERATIONS IN EXISTING PAVEMENT SHALL BE VERTICAL AND REPLACED WITH HOT MIX ASPHALT AFTER BACKFILL AND COMPACTION. ALL PAVEMENTS, BOULEVARD, ETC. ARE TO BE RESTORED TO ORIGINAL CONDITION WHERE NO IMPROVEMENTS ARE PROPOSED UNDER THIS CONTRACT.

12.0 THE CONTRACTOR SHALL USE EXTREME CARE WHEN WORKING NEAR EXISTING SERVICES AND ANY SERVICES DISTURBED ARE TO BE REPLACED TO THE SATISFACTION OF THE CITY OF COQUITLAM OR OTHER APPROVING AGENCIES.

13.0 ALL ONSITE SERVICES TO BE CONSTRUCTED IN ACCORDANCE WITH THE NATIONAL BUILDING CODE, THE B.C. BUILDING CODE (2024), MASTER MUNICIPAL SPECIFICATIONS (MMCD) AND PASS THE INSPECTION OF THE CITY OF COQUITLAM BUILDING DEPARTMENT, ALL WORKS CONSTRUCTED WITHIN THE EXISTING MUNICIPAL RIGHTS-OF-WAY TO CONFORM TO THE CITY OF COQUITLAM ENGINEERING DEPARTMENT STANDARDS AND SPECIFICATIONS AND BE CARRIED OUT UNDER THEIR INSPECTION. TIE INTO EXISTING SERVICES MUST BE CONFIRMED THROUGH THE CITY AND MUST PROVIDE 48 HOURS NOTICE OF START OF WORK.

14.0 THE CONTRACTOR SHALL ENSURE ALL APPROVALS REQUIRED FOR THE PROPOSED WORK HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. THE CONTRACTOR IS TO CHECK WITH BC HYDRO, TELUS AND FORTIS BC PRIOR TO COMMENCING WORK FOR VERIFICATIONS OF LOCATIONS AND INVERTS OF ALL GAS MAINS AND UNDERGROUND UTILITIES TO ENSURE NO CONFLICTS.

15.0 ANY MATERIAL SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER.

16.0 ANY SURVEY MONUMENTS MUST BE PROTECTED AND ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

17.0 ALL EXISTING IMPROVEMENT SHALL BE RESTORED TO THE SATISFACTION OF THE CITY OF COQUITLAM.

18.0 SEE LANDSCAPE ARCHITECT'S DRAWINGS FOR FEATURE LAYOUTS, DIMENSIONS AND LANDSCAPE GRADING DETAILS.

19.0 CONTRACTOR TO PROVIDE 48 HOURS NOTICE PRIOR TO CONSTRUCTION WITHIN ROAD ALLOWANCES.

20.0 ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE GEOTECHNICAL REPORT FOR THIS PROJECT.

21.0 CONTRACTOR TO PROVIDE AS-BUILT DRAWINGS UPON COMPLETION OF THE PROJECT.

22.0 ELEVATIONS ARE REFERRED TO GEODETIC DATUM.

23.0 SEE ARCHITECT'S DRAWINGS FOR BUILDING DETAILS, DIMENSIONS AND FINISHED FLOOR ELEVATIONS.

24.0 SANITARY AND WATER SERVICE CONNECTIONS TO BE TERMINATED AS SHOWN ON PLANS BY "ON-SITE" SERVICING CONTRACTOR. CONTINUATION BY BUILDING PLUMBING CONTRACTORS INCLUDING SEWER CLEANOUTS REQUIRED IMMEDIATELY OUTSIDE BUILDING.

25.0 ALL BUILDINGS CORNERS TO BE SURVEYED PRIOR TO SITE SERVICING

26.0 THE ONSITE CONTRACTOR SHOULD TAKE PHOTOS ALONG ALL APPLICABLE STREET SITE FRONTAGES AND PROPERTY LINES TO VERIFY THE EXISTING CONDITION PRIOR TO ANY SITE CONSTRUCTION. IF THIS IS NOT DONE, THE

CONTRACTOR COULD BE ASSESSED FOR DAMAGES AND WILL BE REQUIRED TO UNDERTAKE ANY AND ALL RESTORATION WORKS AS DIRECTED BY THE CITY OF COQUITLAM.

27.0 TOPOGRAPHIC AND LEGAL SURVEY INFORMATION PROVIDED BY TARGET LAND SURVEYING (NW) LTD.

28.0 REPORT ANY DISCREPANCIES TO THE CONSULTING ENGINEER, PRIOR TO CONSTRUCTION.

29.0 CONTRACTOR TO SECURE ALL REQUIRED PERMITS PRIOR TO BEGINNING CONSTRUCTION.

30.0 IMMEDIATELY STOP WORK AND NOTIFY THE ENGINEER OF ANY SUSPECTED ARCHAEOLOGICAL MATERIALS UNCOVERED DURING EXCAVATION.

31.0 ALL DIMENSIONS AND ELEVATIONS SHOWN IN PLAN ARE IN METRES. ALL DIAMETERS OF PIPES AND CONCRETE STRUCTURES AND DETAIL DIMENSIONS ARE IN MILLIMETRES.

SURFACE WORKS AND ROADWORKS NOTES:

1.0 ALL MANHOLE LIDS, VALVE COVERS, CATCH BASINS AND LIDS OF ANY OTHER STRUCTURE TO BE ADJUSTED TO SUIT FINAL OR PROPOSED ROAD, DRIVEWAY, SIDEWALK, PATHWAY, BOULEVARD/LANDSCAPE AREAS, AND OTHER FINISHED GROUND FEATURES.

2.0 GEOTECHNICAL ENGINEER TO REVIEW ALL SUBGRADES PRIOR TO PLACING BASE MATERIALS.

3.0 FOR FENCE LOCATIONS, SEE LANDSCAPE ARCHITECT PLANS

4.0 LOCATIONS OF DRIVEWAYS, WHEELCHAIRS RAMPS, ETC., SHALL BE CONFIRMED IN THE FIELD PRIOR TO CONSTRUCTION OF THE PROPOSED CONCRETE CURB/GUTTER AND SIDEWALK.

5.0 ALL LOOSE, ORGANIC, OTHERWISE DELETERIOUS MATERIALS OR SOFT SPOT(S) ARE TO BE EXCAVATED AND REMOVED FROM THE SUBGRADE AS PER THE GEOTECHNICAL CONSULTANT'S REPORT.

6.0 ALL NEW SURFACES SHALL BE SMOOTHLY TIED INTO EXISTING SURFACES.

7.0 THE CONTRACTOR SHALL COMPLY WITH THE RECOMMENDATIONS AND BYLAWS OF THE REGULATORY AUTHORITIES. FEDERAL AND PROVINCIAL GOVERNMENT DEPARTMENTS INCLUDING THE "LAND DEVELOPMENT GUIDELINES FOR THE PROTECTION OF AQUATIC HABITAT" AS PRODUCED BY THE DEPARTMENT OF FISHERIES AND OCEANS CANADA.

8.0 CURBS ONSITE TO BE BARRIER CURBS IN ACCORDANCE WITH MMCD STD. DWG C4 UNLESS NOTED OTHERWISE.

9.0 LOCATIONS OF DRIVEWAYS, WHEELCHAIR RAMPS, ETC. SHALL BE CONFIRMED IN THE FIELD PRIOR TO CONSTRUCTION OF PROPOSED CONCRETE CURB AND GUTTER AND SIDEWALKS.

10.0 RESTORATION OF EXISTING DRIVEWAYS, PARKING AREAS, AND WALKWAYS TO CONFORM TO CITY OF COQUITLAM SPECIFICATIONS.

TESTING NOTES:

1.0 ALL TESTING TO BE PERFORMED BY A CSA OR CCIL (CANADIAN CERTIFIED TESTING LABORATORIES) CERTIFIED LABORATORY.

2.0 FREQUENCY OF DENSITY TESTS FOR EXCAVATING, TRENCHING AND BACKFILLING SHALL BE ONE TEST PER 50 LINEAL METERS OF TRENCH PER METER OF DEPTH. MATERIAL TO BE COMPACTED IN 300mm LIFTS.

3.0 FREQUENCY OF DENSITY TESTS FOR GRANULAR FILL IN AREA OF FILL SURFACES SHALL BE ONE TEST PER 250m2 PER 300mm LIFT.

4.0 FREQUENCY FOR GRANULAR BASE AND SUB-BASE IN HARDSCAPED AREAS INCLUDING ROADS AND PARKING LOTS SHALL BE ONE TEST PER 250m². SHOULD THE BASE OR SUBBASE LAYER BE GREATER THAN 300mm, TESTS SHALL BE PER LIFT.

5.0 FREQUENCY OF FOR GRANULAR BASE AND SUB-BASE SHALL BE ONE TEST PER 30 LINEAL METERS WITHIN SIDEWALK AND DRIVEWAY AREA.

6.0 FREQUENCY OF DENSITY TESTS FOR CURB BASE SHALL BE ONE TEST PER 100 LINEAL METERS.

7.0 FREQUENCY OF MARSHALL TESTS FOR HOT-MIX ASPHALT CONCRETE PAVING SHALL BE ONE TEST PER 400 TONNES OF MIX PLACED OR ONE TEST FOR EACH TYPE OF ASPHALT MIX, MINIMUM ONE PER DAY.

8.0 FOR STREET PAVING, CORE LOCATIONS WILL BE SELECTED FOR EACH PASS OF THE PAVING MACHINE AS FOLLOWS:

8.1 ACROSS THE WIDTH, CORE LOCATIONS WILL BE SELECTED RANDOMLY FROM ONE-SIXTH INCREMENTS

8.2 ALONG THE LENGTH, CORE LOCATIONS WILL HAVE A RANDOMLY SELECTED START WITH CORES AT A SPACING OF APPROXIMATELY, BUT NOT TO EXCEED, 30 METERS.

8.3 FOR OTHER PAVING OPERATIONS, A MINIMUM OF ONE CORE FOR EVERY 250 SQUARE METERS OF ASPHALT MIX PLACED.

9.0 FREQUENCY OF PLASTIC CONCRETE TESTS FOR SIDEWALK SHALL BE ONE TEST PER 30 LINEAL METERS OF A MINIMUM OF ONE PER DAY.

10.0 FREQUENCY OF PLASTIC CONCRETE TESTS FOR CURB AND GUTTER SHALL BE ONE TEST PER 50 LINEAL METERS OF A MINIMUM OF ONE PER DAY.

GRADING NOTES:

1.0 ALL ELEVATIONS AND DIMENSIONS ARE METRIC.

2.0 SITE PREPARATION, STRIPPING, EXCAVATION AND OPERATIONS TO BE REVIEWED BY A GEOTECHNICAL ENGINEER AND ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH GEOTECHNICAL RECOMMENDATIONS.

3.0 CUT AND FILL SLOPES TO BE REVIEWED AND APPROVED BY GEOTECHNICAL ENGINEER.

4.0 ALL SITE GRADES SHOWN ARE FINISHED GRADING ELEVATIONS AND ARE TO BE REVIEWED BY GEOTECHNICAL ENGINEER.

STORM & SANITARY NOTES:

1.0 ALL STORM AND SANITARY PIPES LESS THAN OR EQUAL TO 150mmØ SHALL BE PVC SDR 28 UNLESS OTHERWISE NOTED. ALL STORM AND SANITARY PIPES GREATER THAN 150mmØ SHALL BE PVC SDR 35 UNLESS OTHERWISE NOTED. REFER TO PLANS DETAILS AND SPECIFICATIONS REGARDING SEWER FITTINGS AND APPURTENANCES. CONTACT THE PRIMARY PROJECT CONTACT REGARDING USE OF SUITABLE MAIN FITTINGS IF NOT SPECIFIED IN PLAN, DETAIL OR PROJECT SPECIFICATION. MINIMUM COVER SHALL BE 1.0 METERS FOR ANY SANITARY MAIN UNLESS OTHERWISE STATED.

2.0 ALL MANHOLE AND CATCH BASIN LIDS SHOWN ON CONTRACT DRAWINGS

ARE TO FINISHED GRADE ELEVATIONS.

3.0 ALL CATCH BASIN/LAWN BASIN LEADS TO BE 150mm IN DIAMETER AT 1.0% SLOPE MIN UNLESS OTHERWISE NOTED. DOUBLE CATCH BASIN LEADS TO BE 250mm IN DIAMETER Ø1.0% SLOPE MIN UNLESS OTHERWISE STATED.

4.0 OFFSET OF ALL INSPECTION CHAMBERS (I.C.) TO BE IN ACCORDANCE WITH THE CURRENT CITY OF COQUITLAM SUPPLEMENTARY SPECIFICATIONS, MMCD, AND CITY DETAIL DRAWINGS..

5.0 ALL EXISTING SERVICE CONNECTIONS ARE TO BE FLUSHED TO ENSURE PROPER WORKING ORDER AND REPLACED IF NECESSARY.

6.0 MARK ALL CAPPED STUB ENDS WITH STAKE IN ACCORDANCE WITH MMCD.

7.0 FLOW ARROWS SHOWN ON PLAN PROVIDE DIRECTION OF FLOW DOWNHILL.

8.0 STORM SEWER TO BE PVC PIPE PER CSA. C/W GASKETS (UNLESS OTHERWISE NOTED)..

9.0 ALL MANHOLES BARRELS SHALL BE 1050mm DIAMETER UNLESS NOTED OTHERWISE.

10.0 STANDARD TOP-INLET CATCH BASINS SHALL BE INSTALLED AS PER MMCD STD. S11 (600mm DIAMETER).

11.0 ALL LAWN BASINS SHALL BE IN ACCORDANCE WITH MMCD STD. DET. S12 TYPE 2.

12.0 ALL WYES TO BE MANUFACTURED UNLESS OTHERWISE NOTED.

13.0 EXISTING INVERTS MUST BE VERIFIED IN THE FIELD BY CONTRACTOR PRIOR TO ORDERING MATERIALS.

14.0 THE CONTRACTOR SHALL BE RESPONSIBLE IN ENSURING THAT THE FINISHED RIM ELEVATION OF THE STORM AND SANITARY SEWER MANHOLES MATCHES THE FINISHED ROAD GRADES AND ELEVATIONS.

15.0 ALL C.B.'S IN ASPHALT AND PARKING AREAS TO BE 600mmØ AND SHALL BE CONSTRUCTED WITH DONUT FRAME AND GRATE TO SUPPORT H2O LOADING.

16.0 STORM AND SANITARY CONNECTIONS ARE TO TERMINATE 1m FROM BUILDINGS AND HAVE 1M OF COVER. SEE MECHANICAL ENGINEER'S DRAWNGS FOR CONFIRMATION OF LOCATION. DESIGN AND REQUIREMENT OF INSPECTION CHAMBERS OR STORM SUMPS ARE THE RESPONSIBILITY OF THE MECHANICAL ENGINEER.

17.0 ALL BUILDING CORNERS AND LANDSCAPING FEATURES (INCL. FENCING) TO BE STAKED PRIOR TO SITE SERVICING.

18.0 MANHOLES LIDS TO BE ORIENTED TO AVOID CURBS AND UNIT PAVER PLACEMENTS (SEE PAVING PLAN).

19.0 STORM SEWERS SHALL BE CCTV VIDEO INSPECTED PER MMCD SPECIFICATIONS.

20.0 SANITARY SEWERS SHALL BE PRESSURE TESTED AND VIDEO INSPECTED PER MMCD SPECIFICATIONS.

21.0 UNLESS PRIOR APPROVAL IS GIVEN TO THE DEVELOPER BY THE CITY, TIE-INS AND CONNECTIONS TO EXISTING SANITARY SEWERS ARE TO BE PERFORMED BY THE CITY AT THE DEVELOPER'S COST.

22.0 ALL GRANULAR PIPE BEDDING SHALL BE EITHER TYPE 1 ONLY OR AS PER THE CITY SPECIFICATIONS.

23.0 ALL MANHOLES TO BE INSTALLED PER MMCD STD. DET. S1, MANHOLE CONNECTIONS TO BE INSTALLED AS PER MMCD STD. DET. S2, AND MANHOLE INSIDE RAMP CONNECTIONS TO BE INSTALLED PER MMCD STD. DET. S3. MANHOLE INSIDE DROP CONNECTIONS PER CITY OF COQUITLAM STD. DET. COQ-S4.

24.0 EXISTING INVERTS TO BE VERIFIED IN THE FIELD PRIOR TO COMMENCING CONSTRUCTION.

25.0 ALL STORM AND SANITARY SYSTEMS TO BE IN ACCORDANCE WITH B.C. BUILDING CODE (2024).

26.0 ALL BUILDING CORNERS AND FEATURES (INCL. FENCING) TO BE STAKED PRIOR TO SITE SERVICING.

27.0 SANITARY AND STORM SEWER BEDDING AND BACKFILL SPECIFICATIONS PER CITY OF COQUITLAM STD. DET. COQ-G4.

28.0 STORM AND SANITARY MAIN BEDDING AND BACKFILL SPECIFICATION PER CITY OF COQUITLAM STD. DET. COQ-G4

WATERWORKS NOTES:

1.0 FOR PRESSURE TESTING, USE A TEST PRESSURE OF 1380 kPA(200PSI).

2.0 WATERMAIN PIPE TO BE PVC DR18 PRESSURE PIPE CONFORMING TO AWWA C900 AND CERTIFIED TO CSA B137.3 (RATED TO 200 PSI) UNLESS OTHERWISE NOTED.

3.0 WATERMAIN OR SERVICE PIPE WALLS TO HAVE WRAPPED JOINTS PER LOCAL & MUNICIPAL HEALTH STANDARDS IF CLOSER THAN 0.5m VERTICAL OR 3.0m METERS HORIZONTAL TO SANITARY OR STORM MAIN PIPE WALLS.

4.0 MINIMUM GRADE OF WATERMAINS IS TO 0.1%.

5.0 MINIMUM PIPE COVER IS TO BE 1.0m TO FINISHED GRADE OR ALTERNATIVE TO MEET H-20 LIVE ROAD REQUIREMENTS AS APPROVED BY THE ENGINEER.

6.0 ALL FITTINGS, BENDS AND PIPE JOINTS TO HAVE JOINT RESTRAINTS THROUGHOUT UNLESS THRUST BLOCKS ARE NOTED ON PLAN.

7.0 VALVES AND BOXES TO BE INSTALLED AS PER MMCD W3.

8.0 VALVE BODIES, COMPONENTS & HYDRANTS TO BE DUCTILE IRON.

9.0 ALL TESTING AND CHLORINATION OF WATERMAINS TO BE DONE BY THE CONTRACTOR UNDER THE INSPECTION OF THE CITY OF COQUITLAM INSPECTOR AND ENGINEER. THE ENGINEER IS TO BE NOTIFIED 48 HOURS PRIOR TO TESTING. PRESSURE TEST TO B.C. BUILDING CODE (2024) AND CHLORINATE AND FLUSH TO MINISTRY OF HEALTH AND AWWA STANDARDS. TESTING TO BE APPROVED BY THE CITY PRIOR TO TIE-IN TO MUNICIPAL WATERMAIN.

10.0 CHANGES IN GRADE TO BE MADE BY DEFLECTION OF PIPE JOINTS TO A MAXIMUM OF HALF OF THE MANUFACTURER'S RECOMMENDED MAXIMUM DEFLECTION OR BY USING A TYTXTYT FITTING

11.0 ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE CURRENT EDITION OF THE MMCD AND CITY OF COQUITLAM SUPPLEMENTARY SPECIFICATIONS, APPROVED PRODUCTS LIST, AND DETAIL DRAWINGS.

12.0 CONTRACTOR NOT TO INSTALL SERVICES OR WORK ON PRIVATE PROPERTY WITHOUT WRITTEN APPROVAL FROM PROPERTY OWNER, APPROVAL TO BE OBTAINED BY THE DEVELOPER.

13.0 BUILDING CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL DRIVEWAY LOCATIONS PRIOR TO CONSTRUCTION AND IS RESPONSIBLE FOR ANY NECESSARY WATER SERVICE CONNECTION RELOCATIONS.

14.0 REPORT ANY DISCREPANCIES TO THE CONSULTING ENGINEER, PRIOR TO CONSTRUCTION.

15.0 THE CONTRACTOR SHALL SUPPLY ALL MATERIALS AND FITTINGS REQUIRED FOR THE TIE-IN OF THE NEW WATER MAINS BY THE CITY.

16.0 CONTRACTOR TO PROVIDE THIRD PARTY TEST RESULTS FOR CHLORINATION TEST, PRESSURE TEST, AND BACTERIOLOGICAL TEST FOR ALL WATERWORKS.

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LANDSCAPE ARCHITECTURE | CIVIL ENGINEERING | URBAN FORESTRY

FORT LANGLEY STUDIO | MOUNT PLEASANT STUDIO

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NOT FOR CONSTRUCTION

6	TW	Issued for RFP	2025-06-24
5	TW	Issued for Building Permit	2025-06-11
4	TW	Issued for Building Permit	2025-05-26
3	TW	Issued for Pricing	2025-04-29
2	TW	Issued for Schematic Design	2025-04-15
1	TW	Issued for Review	2025-03-27
No.	By:	Description	Date
REVISIONS TABLE FOR DRAWINGS			
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No.	By:	Description	Date
REVISIONS TABLE FOR SHEET			
Project: MACKIN PARK CONCESSION RENEWAL			
Location: 1046 BRUNETTE AVENUE COQUITLAM, B.C.			
Drawn: DRAWN1 DRAWN2	Stamp:  PP No.: 1001970		
Checked: CHECKED			
Approved: APPROVED	Original Sheet Size: 24"x36"		
Scale: 1: ____	CONTRACTOR SHALL CHECK ALL DIMENSIONS ON THE WORK AND REPORT ANY DISCREPANCY TO THE CONSULTANT BEFORE PROCEEDING. ALL DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF THE OWNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK. ALL REZONING/PP/AP/FABP DRAWINGS MUST NOT BE REPRODUCED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.		

Drawing Title:
CIVIL NOTES



VDZ Project #:
PR2024-23

Drawing #:
CN-01