APLIN MARTIN

EGBC Permit to Practice Number #1001018
Aplin & Martin Consultants Ltd.
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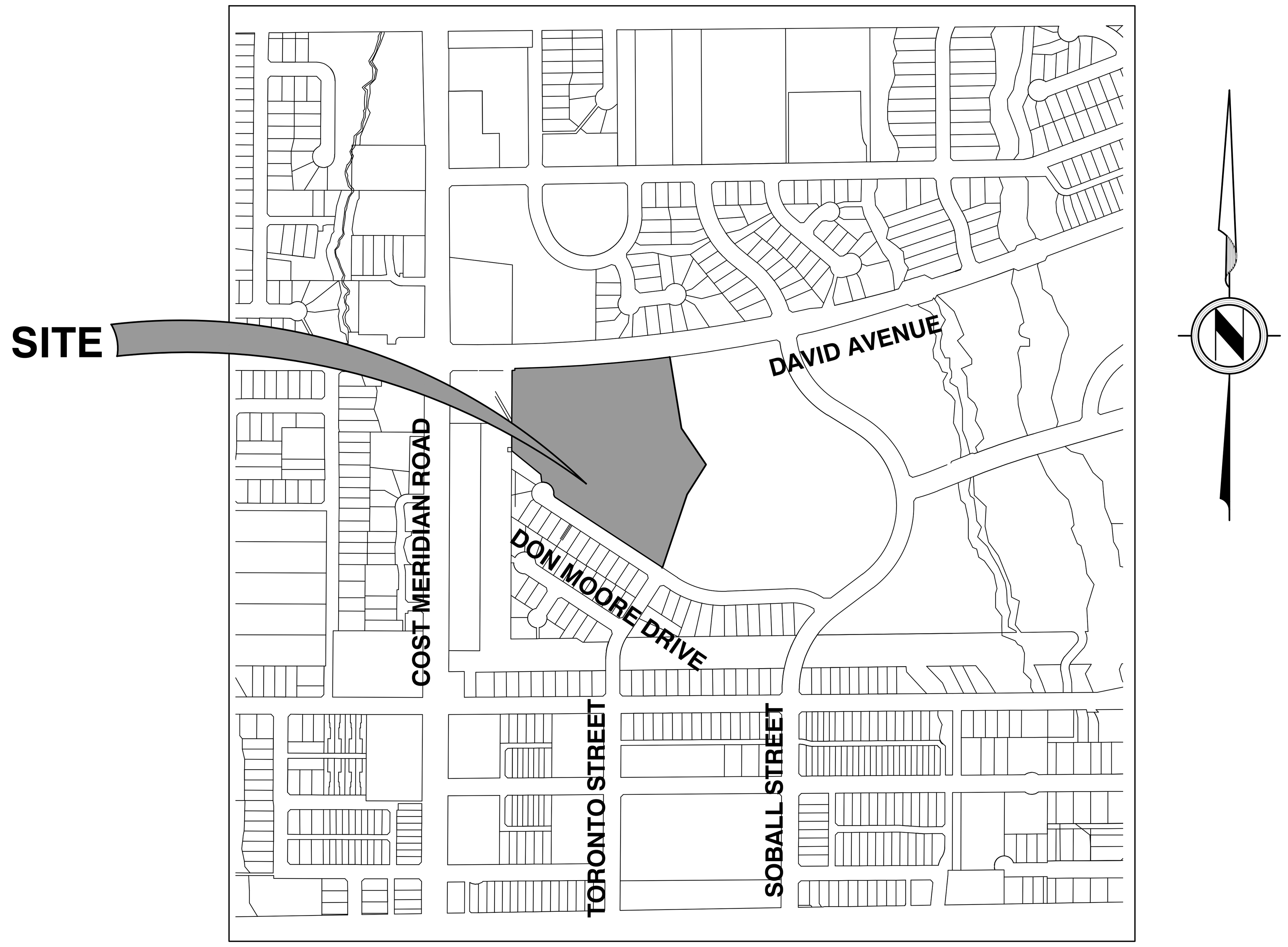


SITE LOCATION PLAN

SCALE – 1:5000

PROPERTY OWNER:

- CITY OF COQUITLAM

CLIENT:

CITY OF COQUITLAM

3000 GUILDFORD WAY, COQUITLAM, BC, V3B 7N2
604-939-9201

PROJECT:

BURKE MOUNTAIN ATHLETIC PARK

3390 & 3400 DAVID AVENUE, COQUITLAM, BC V3E 0B8

Drawing Index

MUNICIPAL PROJECT No. **PROJ 25-015**

APLIN & MARTIN PROJECT No. **18-264A**

PROFESSIONAL
PROVINCE OF
R. J. BENNIE
40440
BRITISH COLUMBIA
ENGINEER

[illegible]

EGBC Permit to Practice
#1001018

2025-05-05

GENERAL NOTES:

1. CONTRACTOR TO VERIFY THE LOCATION AND INVERTS OF EXISTING WATER, STORM AND SANITARY CONNECTIONS TO THE SITE. REPORT TO THE ENGINEER ANY DISCREPANCIES PRIOR TO START OF CONSTRUCTION.
2. ALL BUILDINGS & ROADS ARE TO BE LOCATED BY CO-ORDINATES AS CALCULATED BY A B.C. LAND SURVEYOR.
3. THE CONTRACTOR MUST CONTACT THE ENGINEER PRIOR TO CONSTRUCTION TO SCHEDULE AN ON-SITE PRE-CONSTRUCTION MEETING DURING WHICH CONSTRUCTION METHODS, TIMING, AND INSPECTION WILL BE DISCUSSED.
4. ALL WORKS TO BE IN ACCORDANCE WITH THE BC BUILDING CODE 2024 AND MMCD PLATINUM EDITION.
5. CONSULT GAS CONSULTANT FOR GAS DISTRIBUTION WITHIN THE SITE.
6. CONSULT BC HYDRO DRAWINGS FOR HYDRO DISTRIBUTION WITHIN SITE.
7. CONSULT ELECTRICAL DRAWINGS FOR DISTRIBUTION WITHIN SITE.
8. LANDSCAPED AREAS REQUIRE THE FOLLOWING MINIMUM TOPSOIL DEPTHS:
   - LAWN AREAS: 300mm
   - SHRUB AREAS: 450mm
   - TREE PITS; 900mm

   IF THERE ARE DISCREPANCIES BETWEEN THESE DRAWINGS AND THE LANDSCAPE DRAWINGS THE LANDSCAPE DRAWINGS WILL GOVERN.

LOT GRADING:

1. ALL DIMENSIONS AND ELEVATIONS ARE IN METERS UNLESS OTHERWISE NOTED.
2. ALL ELEVATIONS ARE TO GEODETIC DATUM.
3. ALL CONSTRUCTION IS TO BE IN ACCORDANCE WITH MMCD PLATINUM EDITION, 2024 B.C. BUILDING AND PLUMBING CODES AND IS TO BE ACCEPTABLE TO THE CITY OF COQUITLAM BUILDING AND PERMITS DEPARTMENT.
4. ALL EXCAVATION, FILL PLACEMENT AND COMPACTION TO BE IN ACCORDANCE WITH GEOTECHNICAL CONSULTANTS REPORT.
5. CONTRACTOR TO EMPLOY GEOTECHNICAL CONSULTANT FOR PERFORMANCE OF IN PLACE TESTING DURING THE PREPARATION OF THE SUBGRADE AND CONSTRUCTION OF THE ROAD STRUCTURE TO VERIFY THE ADEQUACY OF PROPOSED ROAD STRUCTURE AND SUBGRADE.
6. CHANGES TO GRADE SHALL BE FORMED BY SMOOTH CURVES.

COQUITLAM CONSTRUCTION NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CITY OF COQUITLAM'S MARCH 2022 SUPPLEMENTARY SPECIFICATIONS AND DETAILED DRAWINGS TO THE MMCD – 2009 PLATINUM EDITION.
2. THE PARKS PLANNING SECTION IS TO BE CONTACTED WHEN THE ENGINEERING PRE-CONSTRUCTION MEETING IS TO TAKE PLACE SO THAT A REPRESENTATIVE CAN BE SENT TO THE MEETING TO DISCUSS THE TRACKS AND FIELD WORKS.
3. ALL TESTING, INCLUDING COMPACTION AND CONCRETE TESTING, TO BE CONDUCTED BY THE CONTRACTOR.

STORM SEWER NOTES:

1. ALL STORM SEWER & BEDDING MATERIALS TO MEET MASTER MUNICIPAL CONTRACT DOCUMENTS (MMCD) PLATINUM & BRITISH COLUMBIA PLUMBING CODE 2018 REQUIREMENTS.
2. ALL MANHOLES TO BE SIZED AS PER MMCD STD. DWG. S1 AND SHALL BE PRE-CAST REINFORCED CONCRETE TO ASTM C478.
3. CATCH BASINS ARE TO CONFORM TO MMCD DWG. S11.
4. ALL CATCH BASIN LEADS ARE TO BE 150mmØ AT MINIMUM 0.75% SLOPE UNLESS OTHERWISE NOTED.
5. ALL LAWN BASINS TO BE 600ø OPEN BOTTOM AND SHALL CONFORM TO MMCD STANDARDS.
6. ALL LAWN BASIN LEADS ARE TO BE 100mmø AT MINIMUM 1.00% SLOPE UNLESS OTHERWISE NOTED.
7. CONTRACTOR TO CAP ALL SERVICE CONNECTIONS AT LOCATIONS COORDINATED WITH MECHANICAL DESIGN. STORM AND SANITARY CONNECTIONS TO BE RAISED WITH VERTICAL STAND PIPES TO MINIMUM 1.0m ABOVE GRADE AND MARKED.
8. CONTRACTOR TO CONFIRM LOCATION AND INVERTS OF EXISTING STORM AND SANITARY SEWER CONNECTIONS PRIOR TO CONSTRUCTION.
9. STORM SEWER PIPES TO BE PVC SDR28 UPTO 150ø, PVC SDR35 TILL 600ø, AND CONCRETE C76 CLASS IV ABOVE 600ø.
10. STORM AND SANITARY SEWERS TO HAVE 0.6m MINIMUM COVER.
11. SCHEDULE 40 AND/OR SCHEDULE 80 PLASTIC PIPE SHALL NOT BE USED FOR ANY SITE APPLICATION IN THE CIVIL WORK.
12. ALL CLEANOUTS TO CONFORM TO MMCD DWG. S6.
13. LEADS TO BE INSTALLED AT SHOWN SLOPE WITH LONG RADIUS BEND(S), AS REQUIRED.
14. CONTRACTOR SHALL PROVIDE VIDEO INSPECTION OF ALL COMPLETED STORM WORKS FOR MAINS OF ALL SIZES TO OFFSITE STORM CONNECTION LOCATION. VIDEO INSPECTION TO BE COMPLETED IN ACCORDANCE WITH MMCD PLATINUM SPECIFICATIONS.
15. INSPECTION AND TESTING AS PER MMCD PLATINUM SPECIFICATIONS.
16. CONTRACTOR SHALL, AS PART OF THE BASE CONTRACT, BE RESPONSIBLE TO CLEAN ALL STORM SEWERS JUST PRIOR TO THE TURNOVER OF THE SITE TO THE OWNER.

WATERWORKS NOTES:

1. ALL WATERMAIN END BEDDING TO MEET MASTER MUNICIPAL CONTRACT DOCUMENTS (MMCD) PLATINUM AND BRITISH COLUMBIA PLUMBING CODE 2024 REQUIREMENTS.
2. CURB STOPS TO BE FITTED WITH SERVICE BOXES AS PER MMCD W2b.
3. TIE-INS TO EXISTING WATER MAINS AND FINAL TESTING AND CHLORINATION OF NEW MAINS IS TO BE PERFORMED BY THE CONTRACTOR.
4. FIRE HYDRANTS TO BE AS PER MMCD W4 WITH "STORZ" QUICK CONNECTION. (OFF-SITE)
5. THE CONTRACTOR SHOULD INCLUDE TESTING AS PER MMCD DRAWINGS AND SPECIFICATIONS.
6. DOMESTIC WATERMAINS TO BE HDPE DR9 IN COMPLIANCE WITH AWWA C901 OR APPROVED EQUIVALENT AND CERTIFIED TO CAN/CSA B137.1
7. MINIMUM GRADE OF WATER MAIN TO BE 0.10%.
8. BUTT FUSION FITTINGS SHALL BE MADE OF HDPE MATERIAL WITH A MIN. MATERIAL DESIGNATION CODE OF PE4710. BUTT FUSION FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM D3261 AND CERTIFIED TO SERIES 200 OF CAN/CSA B137.1
9. ALL WATERMAIN JOINTS TO BE WRAPPED WITH "ENVIROTAPE" AS PER CITY STANDARDS AND SPECIFICATIONS AND MINISTRY OF HEALTH REQUIREMENTS IN LOCATIONS WHERE THE HORIZONTAL CENTERLINE DISTANCE BETWEEN THE WATERMAIN ALIGNMENT AND THE STORM SEWER AND/OR SANITARY SEWER ALIGNMENT IS LESS THAN 3.00m.

TESTING SUBMITTALS AND INSPECTION:

1. CONTRACTOR TO PROVIDE SHOP DRAWING SUBMITTALS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

   -SEWER PIPES, CATCH BASINS, LAWN BASINS, AND MANHOLES
   -CASING PIPE AND SPACER DETAILS
   -WATER PIPES AND FITTINGS
   -WATER METER CHAMBERS

2. CONTRACTOR TO PROVIDE TESTING SUBMITTALS FOR THE FOLLOWING:

   2.1. SANITARY & STORM
   -PIPE BEDDING SIEVE & PROCTORS
   -IMPORTED BACKFILL SIEVE & PROCTORS
   -SUB-GRADE DENSITIES
   -TRENCH SUBBASE & BASE SIEVE & PROCTORS
   -TRENCH SUBBASE & BASE DENSITIES
   -CCTV VIDEO & REPORTS OF ALL SEWERS (INCLUDING SERVICE CONNECTIONS, CATCH BASIN LEADS, AND LAWN BASIN LEADS)
   -AIR TESTS (SANITARY ONLY)

   2.2. WATER
   -WATER PRESSURE TEST
   -WATER FLUSHING & CHLORINATION REPORT
   -BACTERIOLOGICAL/BUG TEST
   -BACKFLOW PREVENTER TEST RESULTS
   -WATER METER CHAMBER INSTALLATION REPORT
   -PLUMBING INSPECTION TICKET
   -CONTRACTOR'S MATERIAL AND TEST REPORT FOR UNDERGROUND PIPING

   2.3. ROADWORKS
   -CURBS & SIDEWALKS SUBBASE & BASE DENSITIES
   -CURBS, SIDEWALKS, LETDOWNS AND DRIVEWAYS CONCRETE TEST
   -CURBS PROOF ROLL
   -ROAD SUBBASE & BASE SIEVE & PROCTORS
   -ROAD SUBBASE & BASE DENSITIES
   -ASPHALT BASE & OVERLAY DENSITIES
   -ASPHALT MARSHALL TEST AND CORES
   -CONCRETE REINFORCEMENT

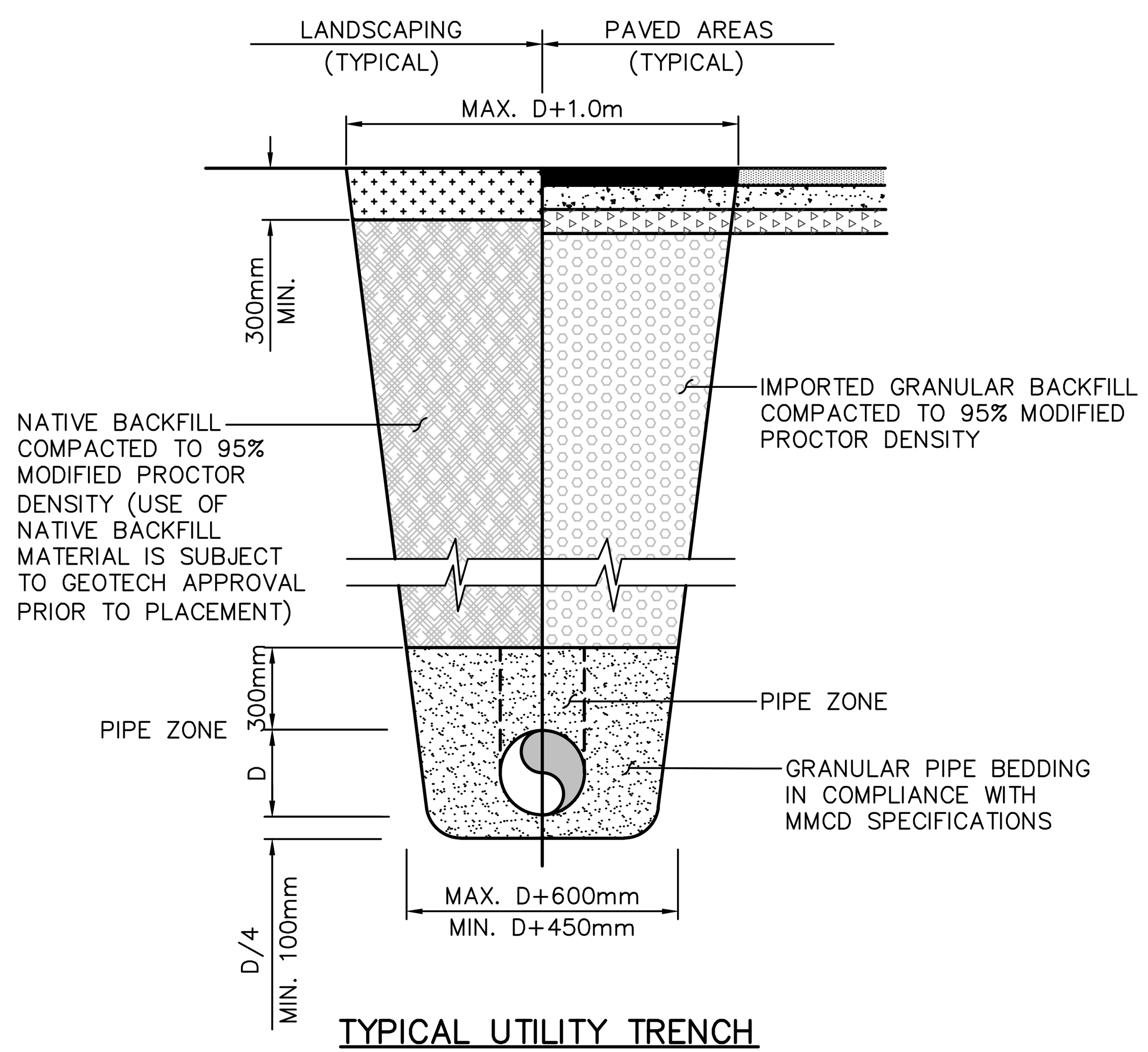
   2.4. LIGHTING
   -STREETLIGHT POLES, BASE, & LUMINAIRES
   -SERVICE PANEL AND JUNCTION BOXES
   -LIGHTING CONDUIT AND CONDUCTOR PRODUCT DATA

   2.5. ANY OTHER MATERIAL TESTING REQUIREMENTS NOTED ON THE ISSUED FOR CONSTRUCTION DRAWINGS ARE TO ALSO BE SUBMITTED.

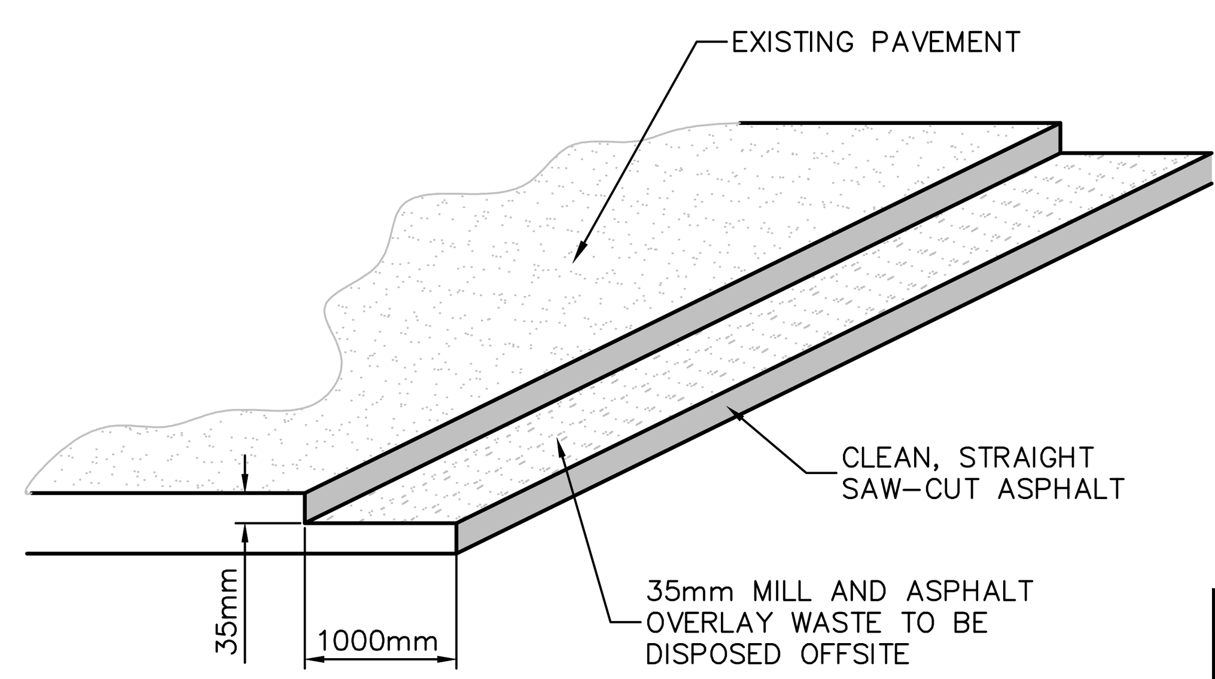
3. CONTRACTOR TO PROVIDE CIVIL CONSULTANT WITH CONSTRUCTION SCHEDULE (INCLUDING TESTING) FOR ALL CIVIL CONSTRUCTION WORKS SO CIVIL CONSULTANT CAN COORDINATE INSPECTIONS ACCORDINGLY.

LEGEND FOR CONSTRUCTION DRAWINGS

PROPOSED	EXISTING	DESCRIPTION
		TEST HOLES
I.P.	I.P.F.	IRON PROPERTY PIN
		BENCH MARK – GEODETIC DATUM
		EDGE OF PAVEMENT
		CURB & GUTTER
S	S	SANITARY SEWER
S	S	SANITARY CONNECTION & INSPECTION CHAMBER
SLOTTED LID D	SLOTTED LID D	STORM SEWER
D	D	STORM CONNECTION & INSPECTION CHAMBER
D	D	STORM SEWER SERVICE
FD	FD	FRENCH DRAIN
		CATCH BASIN – TOP INLET & SIDE INLET
		LAWN DRAIN
		SWALE
		DITCH
		SIDEWALK (ASPHALT)
		SIDEWALK (CONCRETE)
W	W	WATERMAIN
		WATER SERVICE CONNECTION
W	W	WATER VALVE
W	W	AIR VALVE
H	H	HYDRANT & VALVE ASSEMBLY
W	W	CAPPED END
M	M	WATER METER
W	W	BLOW-OFF
T T T	T T T	UNDERGROUND TELEPHONE & MANHOLE
H H H	H H E	UNDERGROUND ELECTRICAL & MANHOLE
G G	G G	GASMAIN
L L	L L	TRAFFIC SIGNAL & STREET LIGHT U/G DUCTS
		ORNAMENTAL STREET LIGHT – DAVIT
		ORNAMENTAL STREET LIGHT – POST TOP
		UTILITY POLE
		UTILITY POLE W/LIGHT
J	J	JUNCTION BOX
A10		FUTURE PROPOSED PUMP CONNECTIONS



TYPICAL UTILITY TRENCH DETAIL
N.T.S.



TIE IN OF NEW PAVEMENT TO EXISTING PAVEMENT
N.T.S.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
R. J. BENNIE
40110
EGBC Permit to Practice #1001018
2025-05-05

May 05 2025 – 11:40am M:\SUR-LD\2018\18-264A\DWG\ONSITE PRODUCTION\18-264A – STANDARD NOTES – ONSITE.dwg/02 STANDARD NOTES – ONSITE fhsu

Edge of pavement	Hydrant	Sanitary service	Hydro Guy Wire
Watermain and valve W	Water air valve	Sanitary cleanout	Hydro Kiosk
Drainage sewer, MH D	Water blowoff	Utility pole(joint pole)	Vegetation Conifer
Drainage ditch	Water service	Utility pole with light	Vegetation Deciduous
Sanitary sewer, MH S	Catch basin, top inlet	Streetlight, davit	Vegetation Shrub
Sanitary forcemain SFM	Catch basin, side inlet	Streetlight, post top	Survey Traverse Hub
Gasmain and valve G	Catch basin, round	Comb signal pole	Survey Iron Pin
Hydro duct, MH UE	Drainage service	Traffic signal pole	Survey Lead Plug
Telephone duct, MH T	Drainage cleanout	Junction box	Survey Monument

Plot Date: May 5, 2025

No.	Date	By	Revisions
7	2025-05-05	RJB	ISSUED FOR RFP
6	2025-04-24	RJB	REISSUED FOR RFP REVIEW
5	2025-01-17	RJB	ISSUED FOR RFP REVIEW
4	2024-12-16	RJB	ISSUED FOR 100% REVIEW
3	2024-11-28	RJB	ISSUED FOR 85% REVIEW
2	2024-07-10	RJB	ISSUED FOR ALTERNATIVE COSTING
1	2024-05-08	RJB	ISSUED FOR 75% REVIEW

Design by ASB	Date MAY, 2024
Drawn by ASB	Date MAY, 2024
Checked by RJB	Date MAY, 2024
Approved by RJB	Date MAY, 2024

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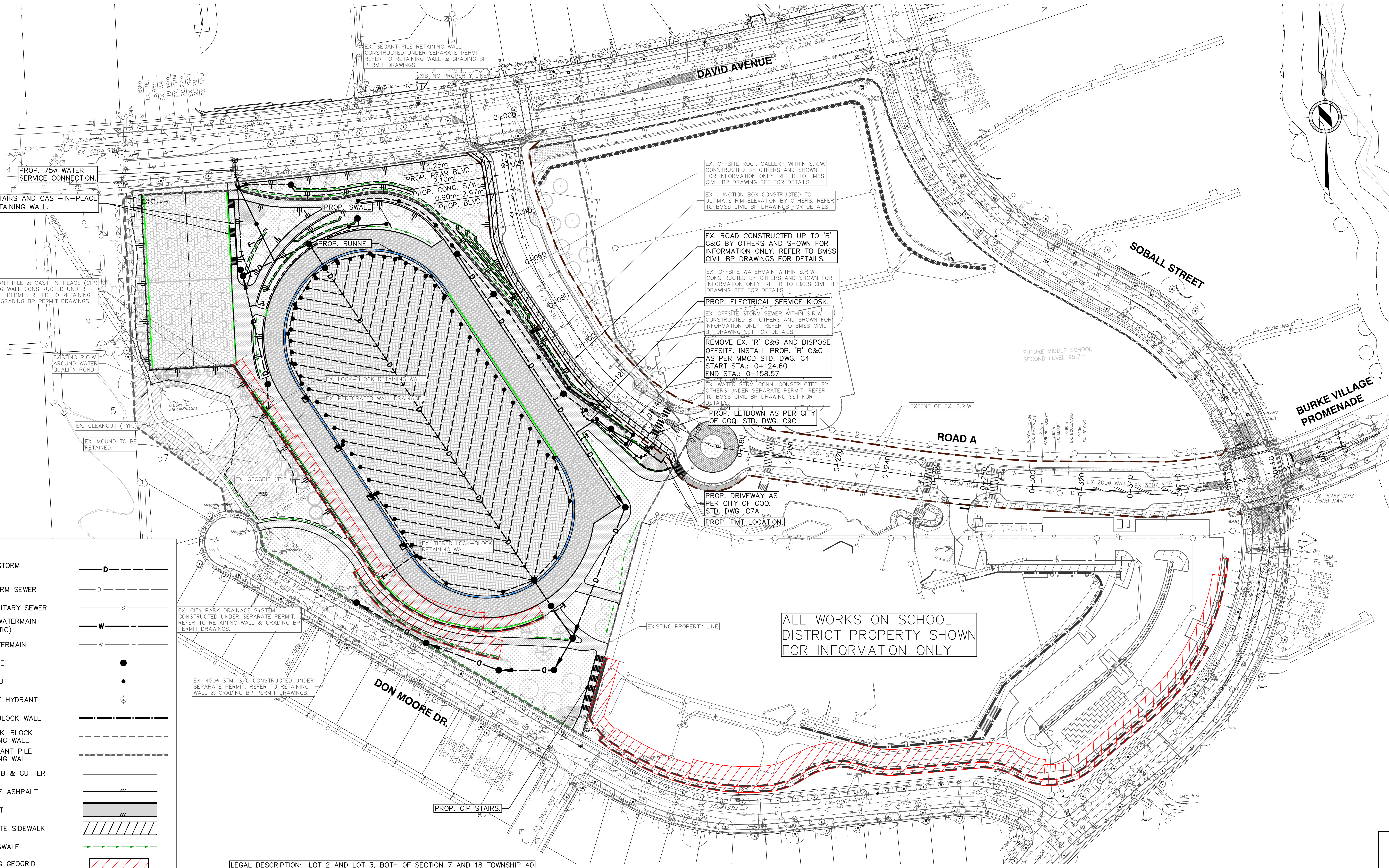
ACCEPTED FOR CONSTRUCTION
Date:____________

Manager of Development Servicing

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

Scale horiz. N/A Scale vert. N/A
Sheet of 02 of 26
Eng. Project No. PROJ 25-015

Project: BURKE MOUNTAIN ATHLETIC PARK
Description: STANDARD NOTES
File: 18-264A



LEGEND

- PROP. STORM SEWER
- EX. STORM SEWER
- EX. SANITARY SEWER
- PROP. WATERMAIN (DOMESTIC)
- EX. WATERMAIN
- MANHOLE
- CLEANOUT
- EX. FIRE HYDRANT
- PROP. BLOCK WALL
- EX. LOCK-BLOCK RETAINING WALL
- EX. SECANT PILE RETAINING WALL
- EX. CURB & GUTTER
- EDGE OF ASHPALT
- ASPHALT
- CONCRETE SIDEWALK
- PROP. SWALE
- EXISTING GEOGRID
- PROP. RUNNEL
- PROP. TRENCH DRAIN

LEGAL DESCRIPTION: LOT 2 AND LOT 3, BOTH OF SECTION 7 AND 18 TOWNSHIP 40 NEW WESTMINSTER DISTRICT PLAN BCP36982

ELEVATIONS DERIVED FROM CONTROL MONUMENT 75H3703 LOCATED NEAR THE CENTERLINE OF MASON AVENUE, CLOSE TO WEST BARRIER
ELEVATION: 67.606m

NOT FOR CONSTRUCTION

PROFESSIONAL ENGINEER, PROVINCE OF BRITISH COLUMBIA, R. J. BENNIE
EGBC Permit to Practice #1001018
2025-05-05

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

No.	Date	By	Revisions
7	2025-05-05	RJB	ISSUED FOR RFP
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1	2024-05-08	RJB	ISSUED FOR 75% REVIEW

Design by ASB	Date MAY, 2024
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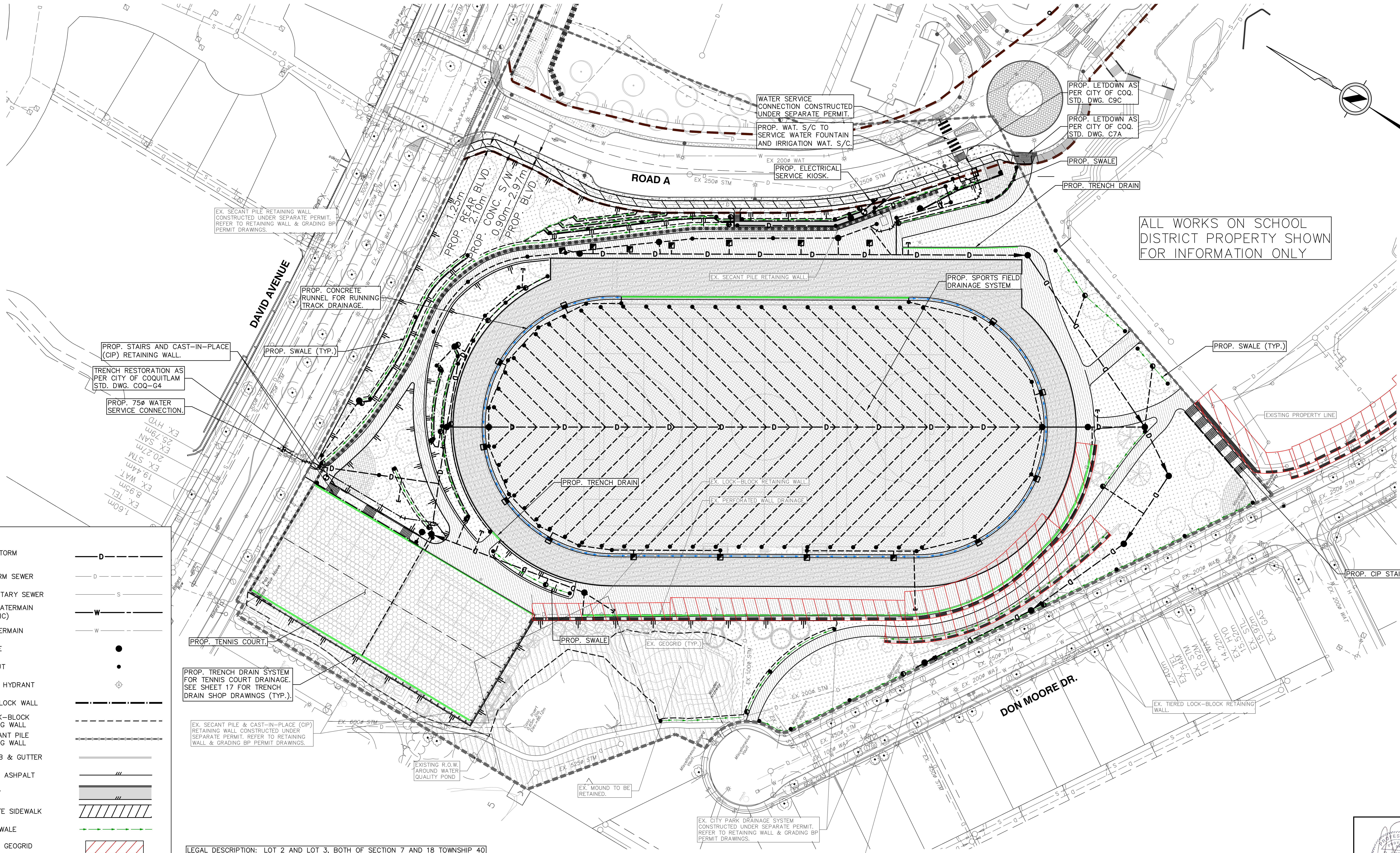
3000 Guildford Way, Coquitlam, B.C. V3B 7N2

Scale horiz. 1:750 Scale vert. N/A
Sheet of 03 of 26
Eng. Project No. PROJ 25-015

Project
BURKE MOUNTAIN ATHLETIC PARK
Description
MASTER SITE KEY PLAN
File: 18-264A

0 10 1:750 40m



LEGEND

PROP. STORM SEWER	—D— — —
EX. STORM SEWER	— D — — —
EX. SANITARY SEWER	— S —
PROP. WATERMAIN (DOMESTIC)	—W— – —
EX. WATERMAIN	— W — – —
MANHOLE	●
CLEANOUT	•
EX. FIRE HYDRANT	⌖
PROP. BLOCK WALL	
EX. LOCK–BLOCK RETAINING WALL	
EX. SECANT PILE RETAINING WALL	
EX. CURB & GUTTER	
EDGE OF ASHPALT	
ASPHALT	
CONCRETE SIDEWALK	
PROP. SWALE	
EXISTING GEOGRID	
PROP. RUNNEL	
PROP. TRENCH DRAIN	

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M:\SUR–LD\2018\18–264A\DWG\ONSITE PRODUCTION\18–264A – KEY PLAN.dwg/04 PARK SITE KEY PLAN fhsu
May 05 2025 – 11:42am

Edge of pavement	Hydrant	Sanitary service	Hydro Guy Wire
Watermain and valve	Water air valve	Sanitary cleanout	Hydro Kiosk
Drainage sewer, MH	Water blowoff	Utility pole(joint pole)	Vegetation Conifer
Drainage ditch	Water service	Utility pole with light	Vegetation Deciduous
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Coquitlam
Engineering & Public Works
3000 Guildford Way, Coquitlam, B.C. V3B 7N2

Scale horiz. 1:500 | Scale vert. N/A
Sheet of 04 of 26
Eng. Project No. PROJ 25-015

Project: **BURKE MOUNTAIN ATHLETIC PARK**

Description: **PARK SITE KEY PLAN**

File: 18-264A

0 5 1:500 25m

Plot Date: May 5, 2025

DAVID AVENUE

ROAD A

PROP. WATTS FLOOR DRAIN (FD-200-L) WITH 8"X8" HEAVY DUTY NICKEL BRONZE STRAINER AND 4" VERTICAL PIPE TO SUIT OR APPROVED EQUIVALENT (TYP.)

PROP. TOP OF BANK (TYP.)

PROP. CAST-IN-PLACE RETAINING WALL & STAIRS (TYP.)

PROP. TOE OF FILL SLOPE (TYP.)

EX. SECANT PILE RETAINING WALL.

MAX. 3(H):1(V) FILL SLOPE TO MEET EXISTING CONDITIONS

EX. GRAVEL WALKWAY

PROP. ACO SPORT 4000 TRENCH DRAIN.

PROP. CROWN.

PROP. 0.15m HIGH CONCRETE CURB TO BE CONSTRUCTED ALONG SOUTH RET. WALL.

EX. S.R.W.

APPROXIMATE EXTENT OF EX. GEOGRID. CONTRACTOR TO COORDINATE WITH GEOTECH PRIOR TO COMPLETING ANY EXCAVATION WITHIN PROXIMITY OF GEOGRID ZONE (TYP.)

EX. LOCK-BLOCK RETAINING WALL.

EXISTING PROPERTY LINE

NOTE:
CONCRETE RUNNEL TO BE CONSTRUCTED BY CURBING MACHINE OR FORM & JIG. FREE HAND TROWELING NOT PERMITTED.

NOTE:
THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE CURRENT LANDSCAPE, ARCHITECTURAL, ELECTRICAL, STREETLIGHTING, GEOTECHNICAL, STRUCTURAL & OTHER CONTRACT DOCUMENTS.

REFER TO GRADING DETAIL-4 ON SHEET 10 FOR GRADING INFORMATION.

REFER TO GRADING DETAIL-5 ON SHEET 10 FOR GRADING INFORMATION.

PROP. LAWN BASIN AS PER MMCD STD. DWG. S12 (TYP.)

PROP. SPORTS FIELD STRUCTURE AS PER DETAILS ON SHEET 15 OF 26.

PROP. CATCH BASINS WITHIN CONCRETE RUNNEL TO BE 200ø NYLOPLAST C/W DUCTILE IRON GRATE (TYP.)

PROP. SUBGRADE TO BE GRADED AS PER SHEET 15 OF 26.

PROP. ACO SPORT 4000 TRENCH DRAIN.

PROP. ACO KLASSIKDRAIN TRENCH DRAIN.

PROP. TOWER LIGHT INSTALLED ON EX. BASE.

PROP. 0.3m WIDE FLUSH CONCRETE CURB ALONG EDGE OF TRACK (TYP.)

APPROXIMATE EXTENT OF EXISTING GEOGRID.

TREE PROTECTION FENCE TO BE INSTALLED AROUND EX. OFFSITE TREES IN ACCORDANCE WITH CITY REQUIREMENTS PRIOR TO CONSTRUCTION (TYP.).

TIERED SECANT PILE RETAINING WALL CONSTRUCTED UNDER SEPARATE PERMIT. REFER TO RETAINING WALL & GRADING BP DRAWINGS

PROP. FILL SLOPE CONSTRUCTED TO APPROX. SUBGRADE LEVEL UNDER SEPARATE PERMIT. FINAL SUBGRADE ELEVATION AND SURFACE WORKS TO BE COMPLETED UNDER THIS PERMIT (TYP.).

0+020

0+040

0+060

0+080

0+100

0+120

REFER TO GRADING DETAIL-6 ON SHEET 11 FOR GRADING INFORMATION.

PROP. TIERED LANDSCAPING RETAINING WALLS TO LIMIT FILL SLOPES TO MAX. 4(H):1(V).

PROP. 2.10m CONC. S/W AS PER MMCD STD. DWG. C2

REFER TO GRADING DETAIL-1 ON SHEET 09 FOR GRADING INFORMATION.

DAVID AVENUE

SOBALL STREET

DON MOORE DRIVE

NOT FOR CONSTRUCTION

EGBC Permit to Practice #1001018
2025-05-05

Edge of pavement	Hydrant	Sanitary service	Hydro Guy Wire
Watermain and valve	Water air valve	Sanitary cleanout	Hydro Kiosk
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Drawn by ASB Date MAY, 2024
Checked by RJB Date MAY, 2024
Approved by RJB Date MAY, 2024

APLIN MARTIN
EGBC Permit to Practice Number #1001018
201 - 12448 82 Avenue, Surrey, B.C. V3W 3E9
Tel: (604) 597-9058, Fax: (604) 597-9061
Email: general@aplinmartin.com

ACCEPTED FOR CONSTRUCTION
Date:
Manager of Development Servicing

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

Scale horiz. 1:250 Scale vert. N/A
Sheet of 05 of 26
Eng. Project No. PROJ 25-015

Project: BURKE MOUNTAIN ATHLETIC PARK
Description: GRADING PLAN - NORTH
File: 18-264A

Plot Date: May 5, 2025

0 2 1:250 12m

PROP. 1.2m WIDE SWALE AS PER DETAIL ON SHEET 16

PROP. 1.2m WIDE SWALE AS PER DETAIL ON SHEET 16

PROP. SPORTS FIELD STRUCTURE AS PER DETAILS ON SHEET 15 OF 26.

PROP. SUBGRADE TO BE GRADED AS PER SHEET 15 OF 26.

PROP. 0.3m WIDE FLUSH CONCRETE CURB ALONG EDGE OF TRACK (TYP.)

APPROXIMATE EXTENT OF EX. GEOGRID. CONTRACTOR TO COORDINATE WITH GEOTECH PRIOR TO COMPLETING ANY EXCAVATION WITHIN PROXIMITY OF GEOGRID ZONE (TYP.)

EX. TOWER LIGHT BASE ALONG WALL CONSTRUCTED AS PART OF A SEPARATE CONTRACT.

PROP. KLASSIKDRAIN TRENCH DRAIN.

PROP. 0.3m WIDE FLUSH CONCRETE CURB ALONG EDGE OF TRACK (TYP.)

PROP. TOWER LIGHT C/W BASE.

PROP. ACO KLASSIKDRAIN TRENCH DRAIN.

PROP. ASPHALT PAVEMENT STRUCTURE AS PER DETAIL ON SHEET 09 (TYP.)

REFER TO GRADING DETAIL–2 ON SHEET 09 FOR GRADING INFORMATION.

PROP. 0.5m WIDE SWALE AS PER DETAIL ON SHEET 16

PROP. 1.2m WIDE SWALE AS PER DETAIL ON SHEET 16

PROP. 1.2m WIDE SWALE AS PER DETAIL ON SHEET 16

PROP. 1.0m WIDE SWALE AS PER DETAIL ON SHEET 16

REFER TO GRADING DETAIL–3 ON SHEET 09 FOR GRADING INFORMATION.

TREE PROTECTION FENCE TO BE INSTALLED AROUND EX. OFFSITE TREES IN ACCORDANCE WITH CITY REQUIREMENTS PRIOR TO CONSTRUCTION (TYP.).

EX. TIERED LOCK–BLOCK RETAINING WALL

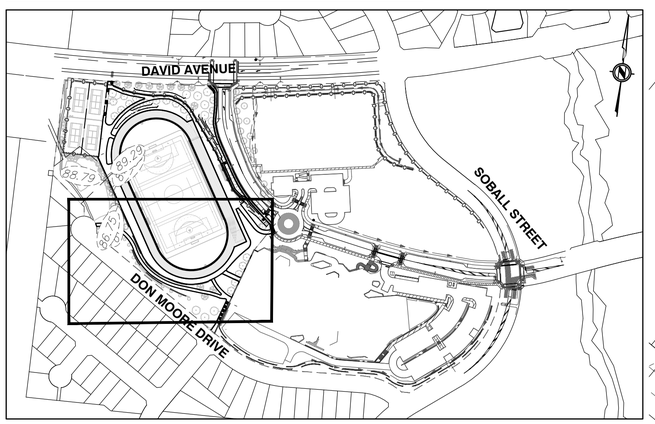
EX. GEOGRID

ROAD A

DON MOORE DRIVE

NOTE:
CONCRETE RUNNEL TO BE CONSTRUCTED BY CURBING MACHINE OR FORM & JIG. FREE HAND TROWELING NOT PERMITTED.

NOTE:
THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE CURRENT LANDSCAPE, ARCHITECTURAL, ELECTRICAL, STREETLIGHTING, GEOTECHNICAL, STRUCTURAL & OTHER CONTRACT DOCUMENTS.



NOT FOR CONSTRUCTION

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

No.	Date	By	Revisions
7	2025-05-05	RJB	ISSUED FOR RFP
6	2025-04-24	RJB	REISSUED FOR RFP REVIEW
5	2025-01-17	RJB	ISSUED FOR RFP REVIEW
4	2024-12-16	RJB	ISSUED FOR 100% REVIEW
3	2024-11-28	RJB	ISSUED FOR 85% REVIEW
2	2024-07-10	RJB	ISSUED FOR ALTERNATIVE COSTING
1	2024-05-08	RJB	ISSUED FOR 75% REVIEW

Design by ASB — Date MAY, 2024
Drawn by ASB — Date MAY, 2024
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3000 Guildford Way, Coquitlam, B.C. V3B 7N2

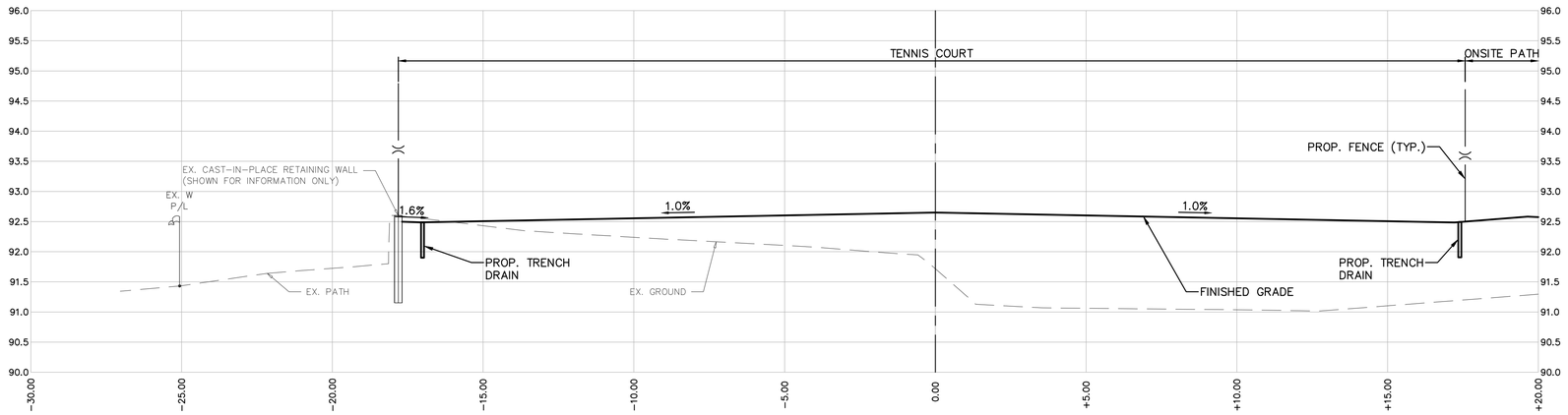
Scale horiz. 1:250 Scale vert. N/A
Sheet of 06 of 26
Eng. Project No. PROJ 25-015

Project: BURKE MOUNTAIN ATHLETIC PARK
Description: GRADING PLAN - SOUTH
File: 18-264A

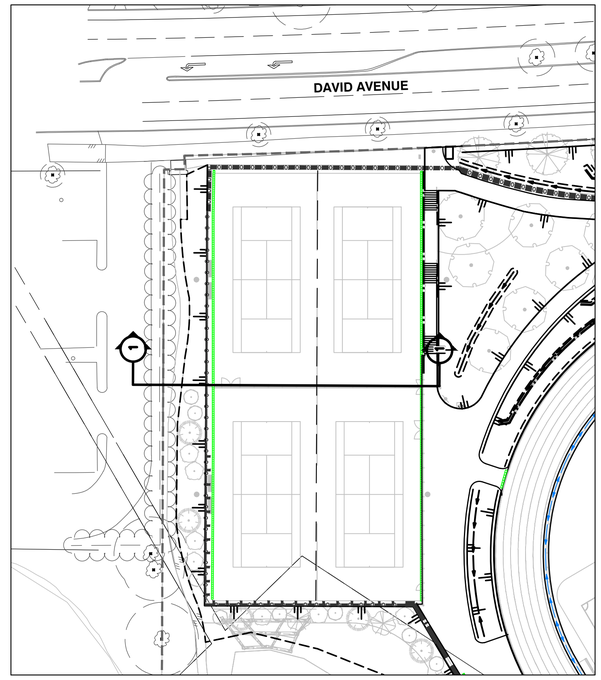
EGBC Permit to Practice #1001018
2025-05-05

0 2 1:250 12m

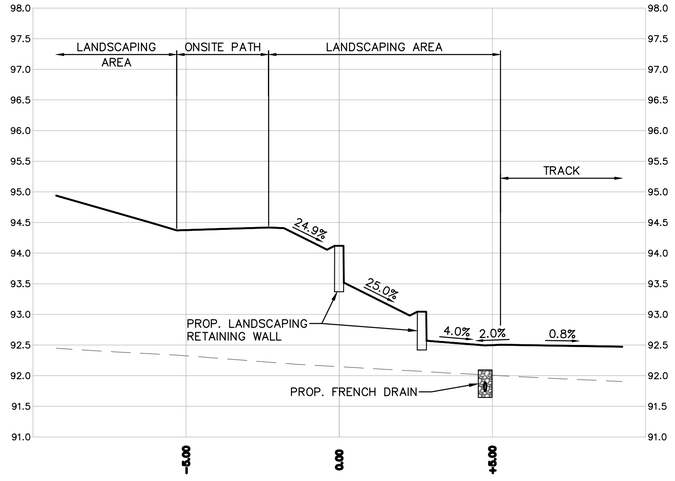
Plot Date: May 5, 2025



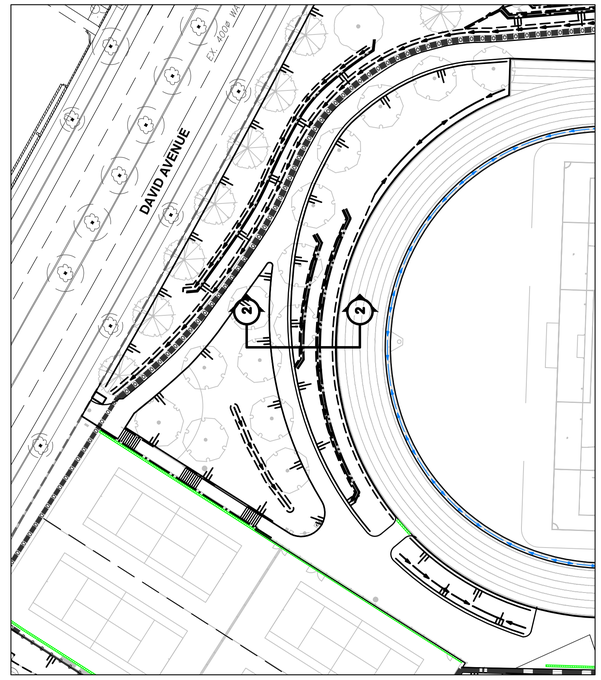
SECTION 1–1
SCALE: H – 1:100, V – 1:50



LOCATION PLAN
SECTION 1–1
SCALE: 1:500



SECTION 2–2
SCALE: H – 1:100, V – 1:50



LOCATION PLAN
SECTION 2–2
SCALE: 1:500

EGBC Permit to Practice #1001018
2025-05-05

Edge of pavement	*Hydrant*	*Sanitary service*	*Hydro Guy Wire*
Watermain and valve W	*Water air valve*	*Sanitary cleanout*	*Hydro Kiosk*
Drainage sewer, MH D	*Water blowoff*	*Utility pole(joint pole)*	*Vegetation Conifer*
Drainage ditch	*Water service*	*Utility pole with light*	*Vegetation Deciduous*
Sanitary sewer, MH S	*Catch basin, top inlet*	*Streetlight, davit*	*Vegetation Shrub*
Sanitary forcemain SFM	*Catch basin, side inlet*	*Streetlight, post top*	*Survey Traverse Hub*
Gasmain and valve G	*Catch basin, round*	*Comb signal pole*	*Survey Iron Pin*
Hydro duct, MH UE	*Drainage service*	*Traffic signal pole*	*Survey Lead Plug*
Telephone duct, MH T	*Drainage cleanout*	*Junction box*	*Survey Monument*

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1	2024-05-08	RJB	ISSUED FOR 75% REVIEW

Design by ASB Date MAY, 2024
Drawn by ASB Date MAY, 2024
Checked by RJB Date MAY, 2024
Approved by RJB Date MAY, 2024

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Manager of Development Servicing

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

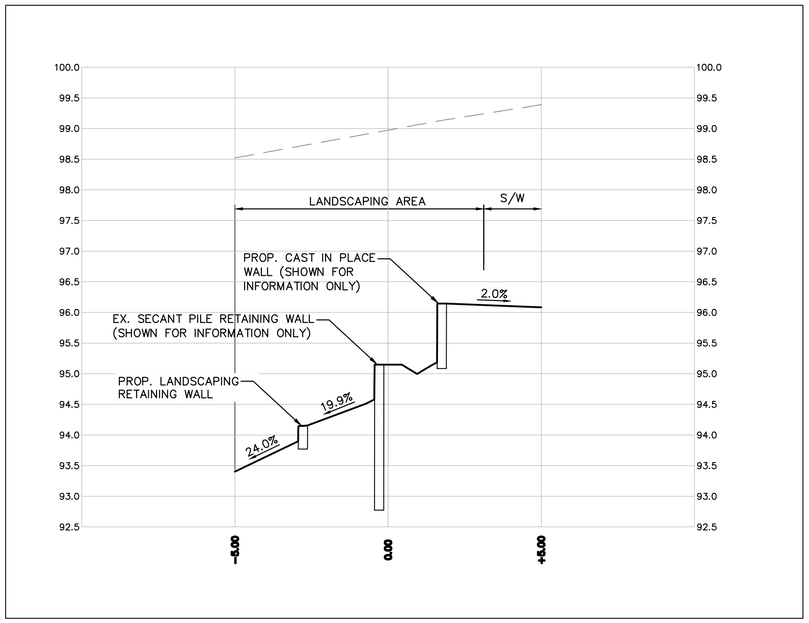
Scale horiz. 1:100 Scale vert. 1:50
Sheet of 07 of 26
Eng. Project No. PROJ 25-015

Project: BURKE MOUNTAIN ATHLETIC PARK
Description: CROSS SECTIONS - TENNIS COURT
File: 18-264A

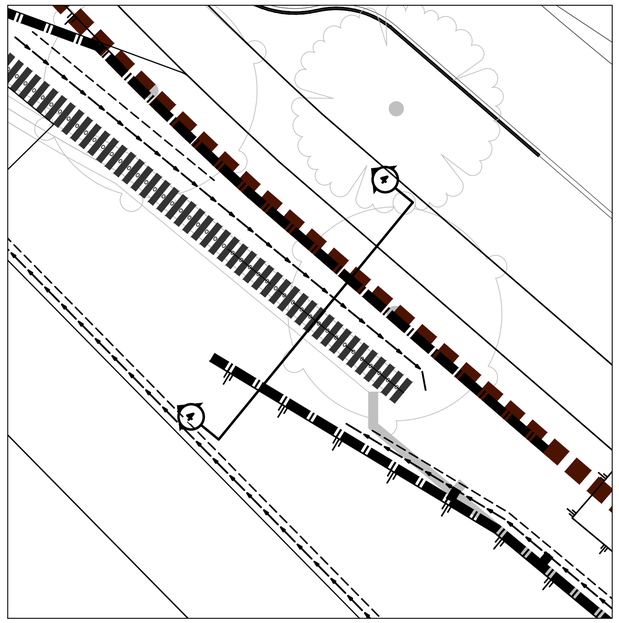
0 1 H 1:100 4m
0 0.5 V 1:50 2m

Plot Date: May 5, 2025

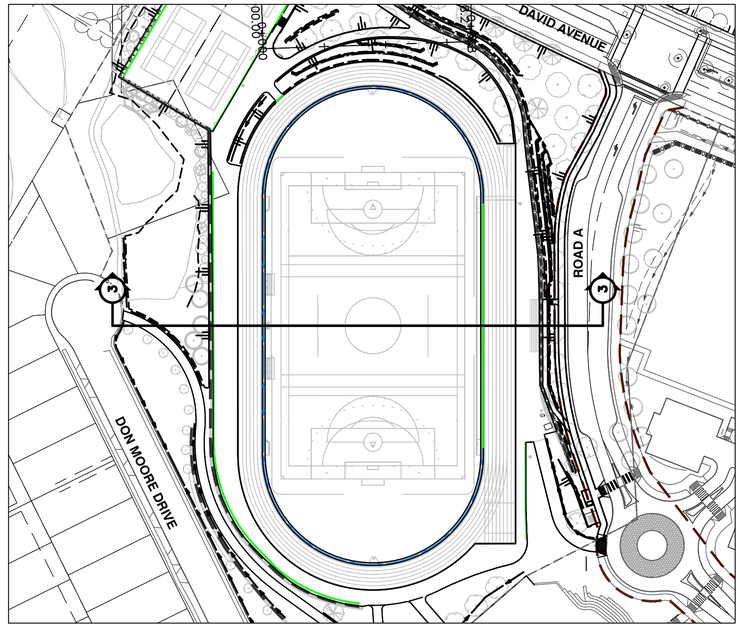
May 05 2025 – 11:45am M:\SUR-LD\2018\18-264A\DWG\ONSITE PRODUCTION\18-264A – CROSS SECTIONS.dwg/07 CROSS SECTIONS – TENNIS COURT rhsu



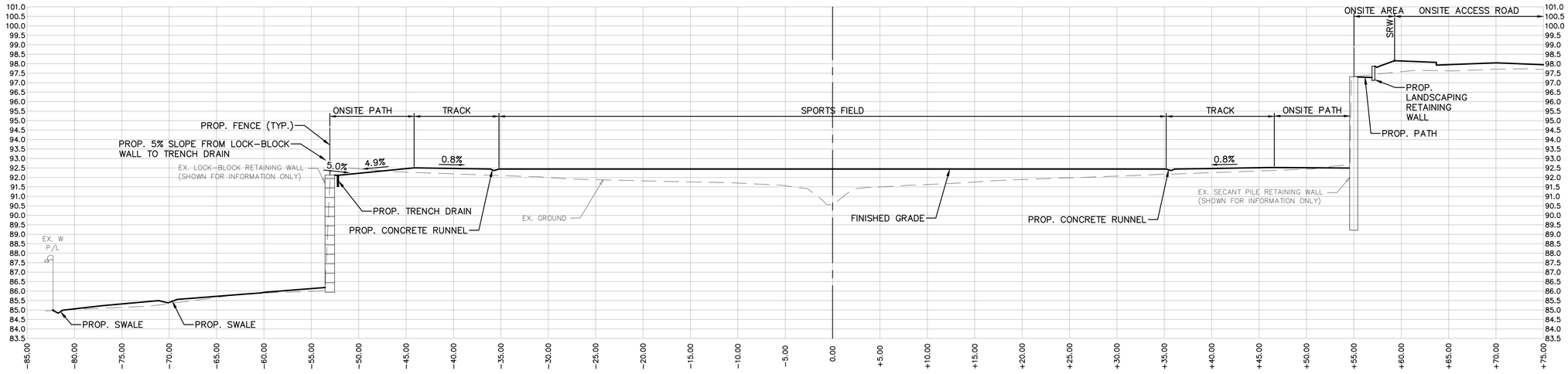
SECTION 4–4
SCALE: H – 1:100, V – 1:50



LOCATION PLAN
SECTION 4–4
SCALE: 1:100



LOCATION PLAN
SECTION 3–3
SCALE: 1:1000



SECTION 3–3
SCALE: H – 1:250, V – 1:125

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

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Design by ASB Date MAY, 2024
Drawn by ASB Date MAY, 2024
Checked by RJB Date MAY, 2024
Approved by RJB Date MAY, 2024

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Date:
Manager of Development Servicing

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

Scale horiz. 1:250 Scale vert. 1:125
Sheet of 08 of 26
Eng. Project No. PROJ 25-015

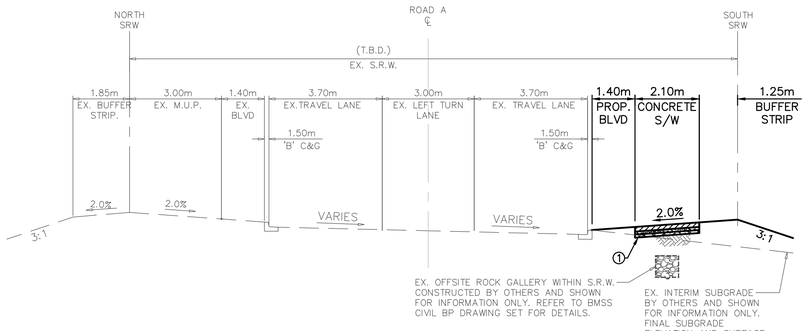
Project
BURKE MOUNTAIN ATHLETIC PARK
Description
CROSS SECTIONS - SPORTS FIELD
File: 18-264A

PROFESSIONAL ENGINEER
R. JENNIE
PROVINCE OF BRITISH COLUMBIA
EGBC Permit to Practice #1001018
2025-05-05

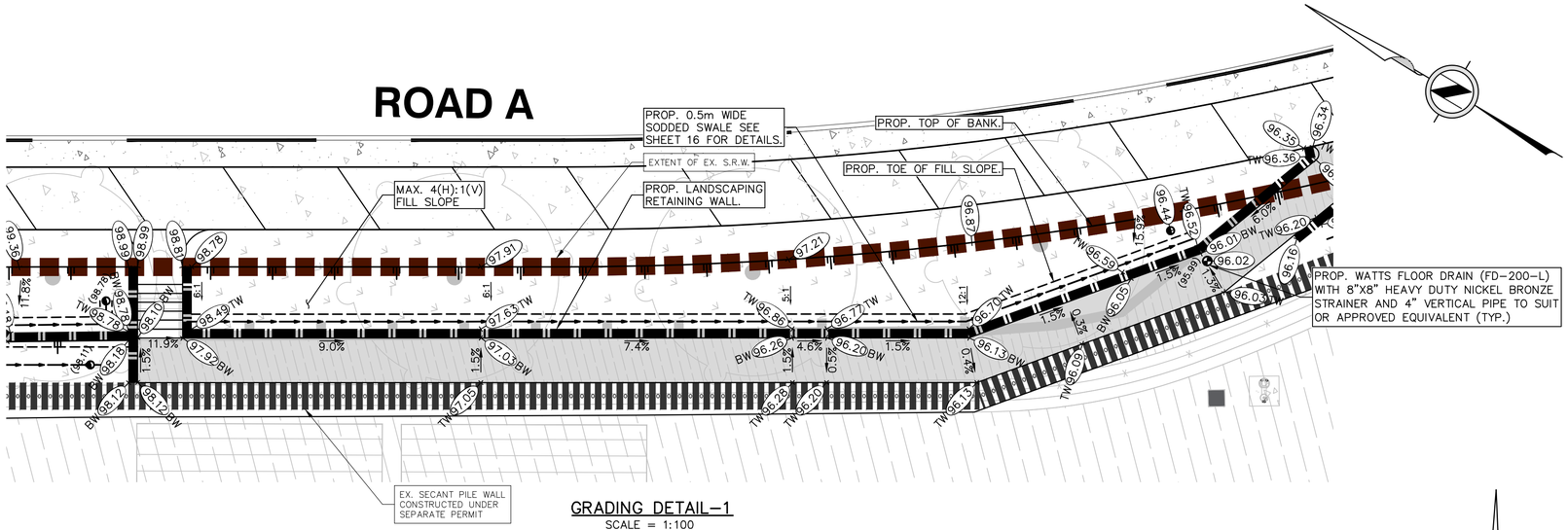
0 2 H 1:250 10m
0 1 V 1:125 5m

Plot Date: May 5, 2025

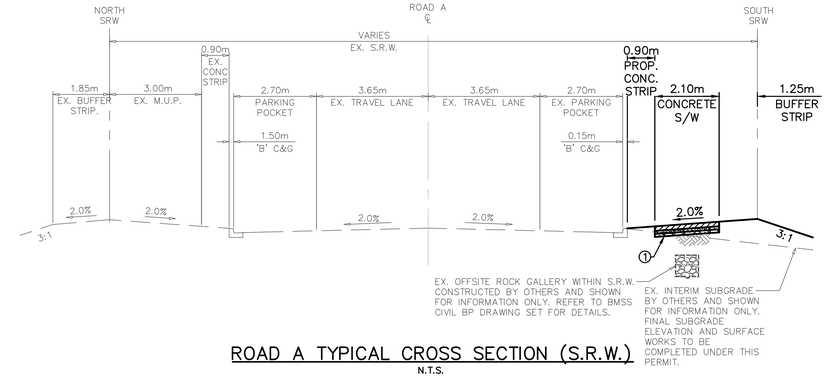
May 05 2025 – 11:46am M:\SUR–LD\2018\18–264A\DWG\ONSITE PRODUCTION\18–264A – CROSS SECTIONS.dwg/08 CROSS SECTIONS – SPORTS FIELD fnsu



ROAD A TYPICAL CROSS SECTION (S.R.W.)
STA. 0+007.68 TO 0+060
N.T.S.



GRADING DETAIL-1
SCALE = 1:100



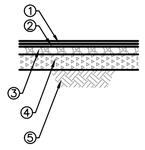
ROAD A TYPICAL CROSS SECTION (S.R.W.)
N.T.S.

ROAD STRUCTURE

① *100mm CONCRETE SIDEWALK C/W 100mm - 19mm MINUS CRUSHED GRANULAR BASE COURSE (200mm AT DRIVEWAYS)*

NOTE: PAVEMENT TO BE CONSTRUCTED IN ACCORDANCE WITH GEOTECHNICAL REPORT BY THURBER ENGINEERING, DATED 5 MAY, 2023

TYPICAL ONSITE ASPHALT PAVEMENT STRUCTURE
N.T.S.



① 35mm - ASPHALT SURFACE COURSE

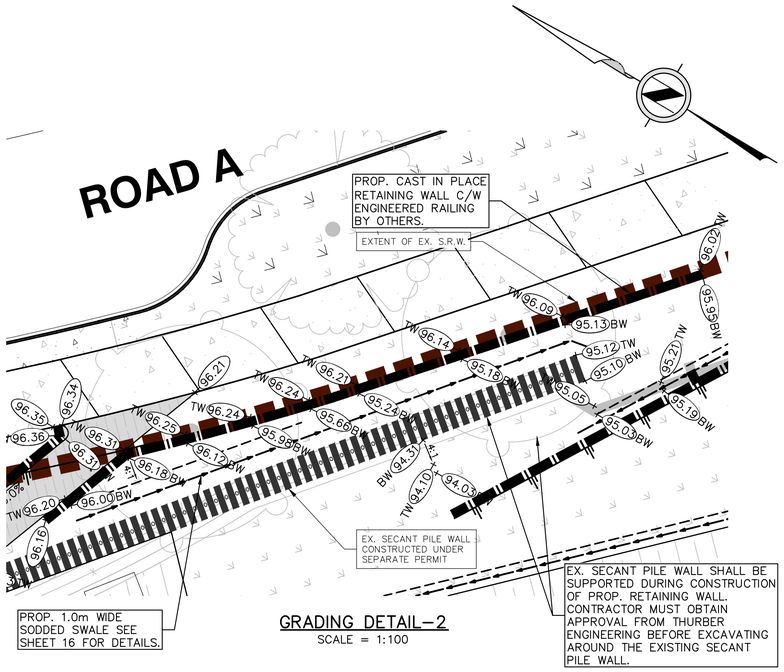
② 40mm - ASPHALT BASE COURSE

③ 200mm - 19mm MINUS CRUSHED GRANULAR BASE COURSE COMPACTED TO MIN. 95% MPMDD

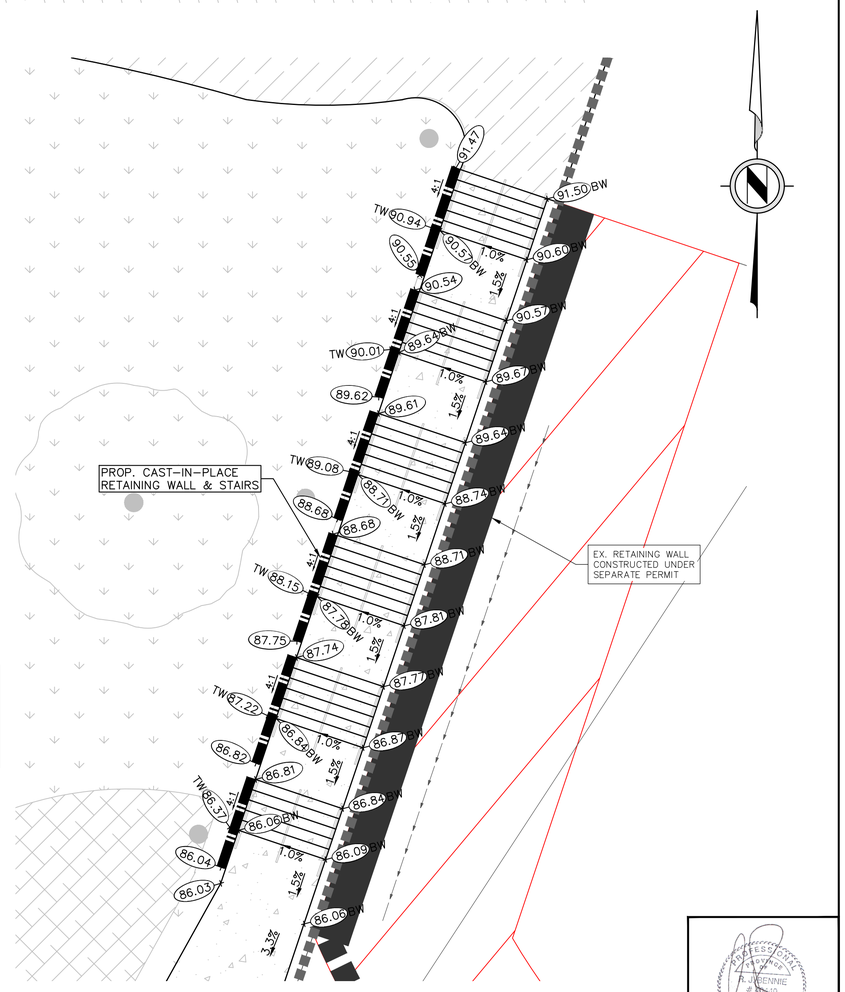
④ 300mm - 75mm MINUS SELECT GRANULAR SUB-BASE COURSE COMPACTED TO MIN. 95% MPMDD

⑤ SUBGRADE: EITHER VERY DENSE GLACIAL TILL-LIKE SOIL OR ADEQUATELY PLACED AND COMPACTED BACKFILL SOILS (IMPORTED STRUCTURAL FILL OR GLACIAL TILL-LIKE FILL). GEOTECHNICAL ENGINEER TO APPROVE SUBGRADE PRIOR TO GRANULAR SUB-BASE PLACEMENT.

NOTE: PAVEMENT TO BE CONSTRUCTED IN ACCORDANCE WITH GEOTECHNICAL REPORT BY THURBER ENGINEERING, DATED JANUARY 17, 2025.



GRADING DETAIL-2
SCALE = 1:100



GRADING DETAIL-3
SCALE = 1:100

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

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1	2024-05-08	RJB	ISSUED FOR 75% REVIEW

Design by ASB	Date MAY, 2024
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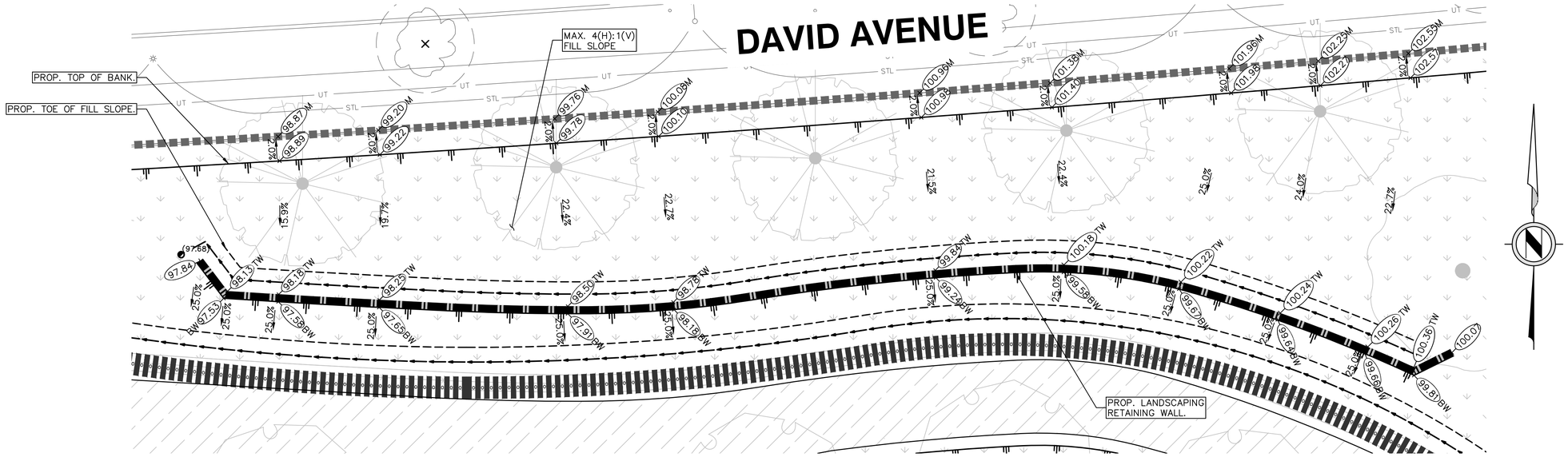
Scale horiz. N/A Scale vert. N/A
Sheet of 09 of 26
Eng. Project No. PROJ 25-015

Project: BURKE MOUNTAIN ATHLETIC PARK
Description: GRADING - DETAILS
File: 18-264A

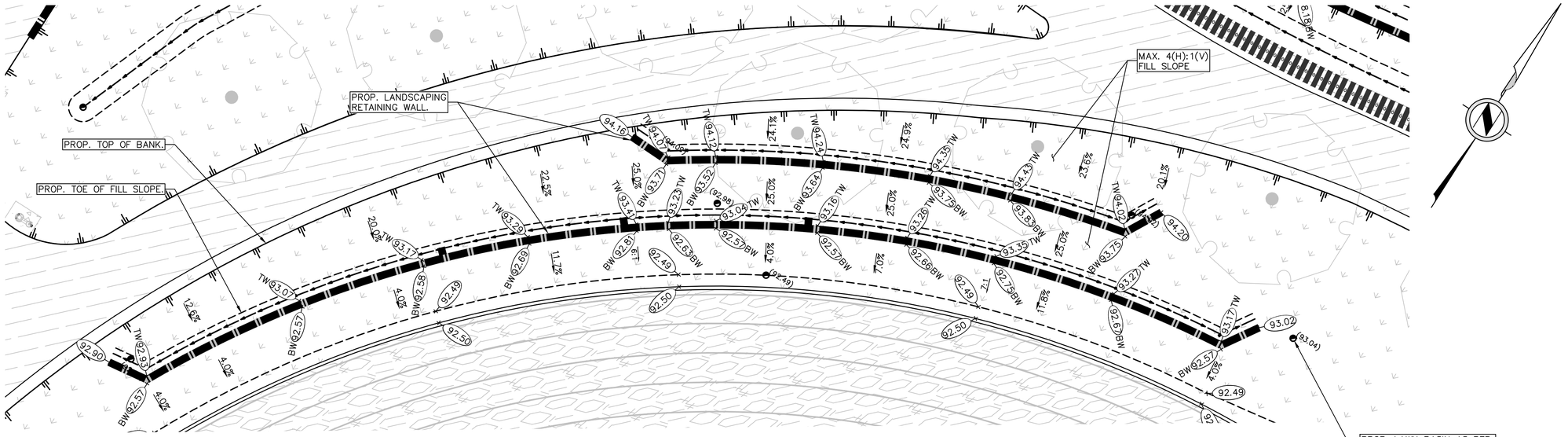
Plot Date: May 5, 2025

0 1 1:100 5m

May 05 2025 - 11:47am M:\SUR-LD\2018\18-264A\DWG\ONSITE PRODUCTION\18-264A - GRADING DETAILS.dwg/09 GRADING - DETAILS fhsu



GRADING DETAIL–4
SCALE = 1:100



GRADING DETAIL–5
SCALE = 1:100

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

Plot Date: May 5, 2025

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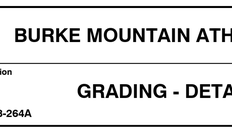
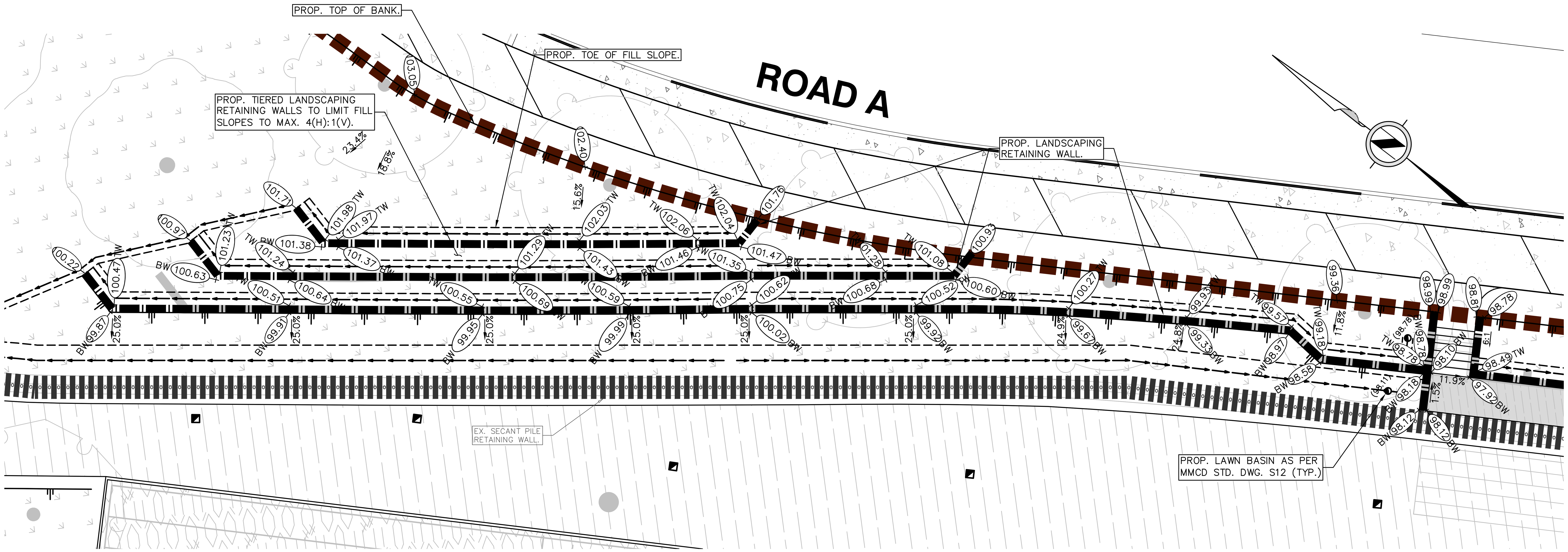
Scale horiz. N/A Scale vert. N/A
Sheet of 10 of 26
Eng. Project No. PROJ 25-015

Project: BURKE MOUNTAIN ATHLETIC PARK
Description: GRADING - DETAILS - 2
File: 18-264A



EGBC Permit to Practice #1001018
2025-05-05

0 1 1:100 5m



GRADING DETAIL–6

SCALE = 1:100

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

Plot Date: May 5, 2025

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Date:____________

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Manager of Development Servicing

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

Scale horiz. N/A Scale vert. N/A
Sheet 11 of 26
Eng. Project No. PROJ 25-015

Project
BURKE MOUNTAIN ATHLETIC PARK

Description
GRADING - DETAILS - 3

File: 18-264A

PROFESSIONAL PROVINCE OF R. J. BENNIE BRITISH COLUMBIA ENGINEER
EGBC Permit to Practice #1001018
2025-05-05

0 1 1:100 5m

GENERAL NOTES:

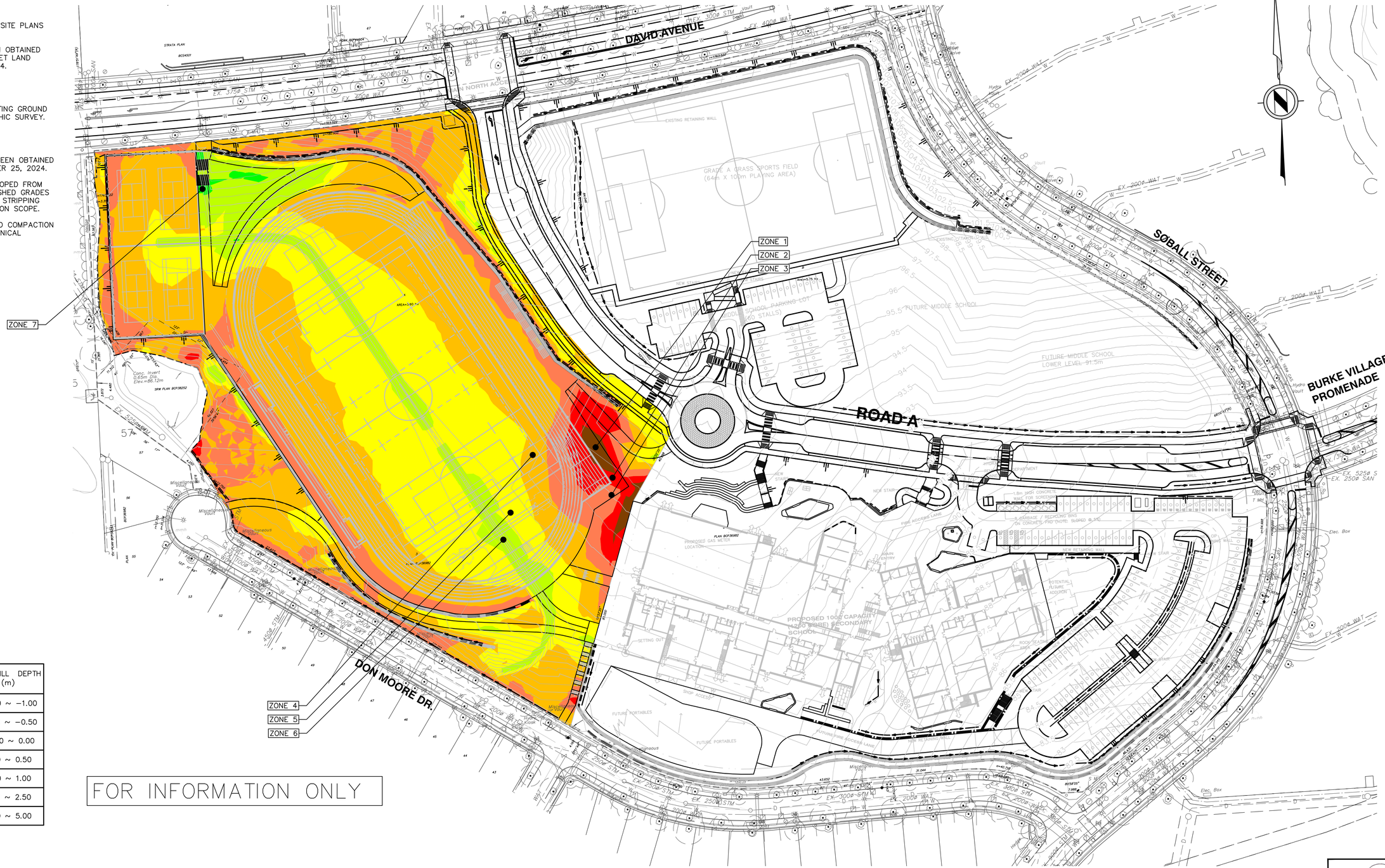
1. PROPOSED SITE LAYOUT ARE AS PER SITE PLANS DATED JANUARY 15, 2025 BY VDZ+A.
2. EXISTING LEGAL LOT LINES HAVE BEEN OBTAINED FROM TOPOGRAPHIC SURVEY BY TARGET LAND SURVEYING, DATED FEBRUARY 13, 2024.

STRIPPING NOTES:

1. STRIPPING DEPTH DERIVED FROM EXISTING GROUND SURFACE, AS SPECIFIED IN TOPOGRAPHIC SURVEY.

EARTHWORK NOTES:

1. EXISTING GROUND ELEVATIONS HAVE BEEN OBTAINED FROM DRONE SURVEY DATED NOVEMBER 25, 2024.
2. PROPOSED SURFACE HAS BEEN DEVELOPED FROM EXISTING SURFACE TO ESTABLISH FINISHED GRADES USING CUT AND FILL, EXCLUDING SOIL STRIPPING OUTSIDE OF GEOTECHNICAL EXPLORATION SCOPE.
3. ALL EXCAVATION, FILL PLACEMENT AND COMPACTION TO BE IN ACCORDANCE WITH GEOTECHNICAL CONSULTANT'S REPORT.



ZONE NO.	COLOUR	CUT–FILL DEPTH (m)
1		−2.50 ~ −1.00
2		−1.00 ~ −0.50
3		−0.50 ~ 0.00
4		0.00 ~ 0.50
5		0.50 ~ 1.00
6		1.00 ~ 2.50
7		2.50 ~ 5.00

FOR INFORMATION ONLY

NOTE:
THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE CURRENT LANDSCAPE, MECHANICAL, ARCHITECTURAL, ELECTRICAL, STREETLIGHTING, GEOTECHNICAL & STRUCTURAL DRAWINGS.

NOTE:
CUT/FILL DEPTHS SHOWN IN THIS PLAN ARE APPROXIMATE AND PROVIDED FOR INFORMATION ONLY.

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

No.	Date	By	Revisions
7	2025-05-05	RJB	ISSUED FOR RFP
6	2025-04-24	RJB	REISSUED FOR RFP REVIEW
5	2025-01-17	RJB	ISSUED FOR RFP REVIEW
4	2024-12-16	RJB	ISSUED FOR 100% REVIEW
3	2024-11-28	RJB	ISSUED FOR 85% REVIEW
2	2024-07-10	RJB	ISSUED FOR ALTERNATIVE COSTING
1	2024-05-08	RJB	ISSUED FOR 75% REVIEW

Design by ASB — Date MAY, 2024
Drawn by ASB — Date MAY, 2024
Checked by RJB — Date MAY, 2024
Approved by RJB — Date MAY, 2024

APLIN MARTIN
EGBC Permit to Practice Number #1001018
201 – 12448 82 Avenue, Surrey, B.C. V3W 3E9
Tel: (604) 597-9058, Fax: (604) 597-9061
Email: general@aplinmartin.com

ACCEPTED FOR CONSTRUCTION
Date:
Manager of Development Servicing

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

Scale horiz. 1:750 Scale vert. N/A
Sheet of 12 of 26
Eng. Project No. PROJ 25-015

Project: BURKE MOUNTAIN ATHLETIC PARK
Description: SITE CUT & FILL ANALYSIS PLAN
File: 18-264A

R. JENNIE — PROFESSIONAL ENGINEER
EGBC Permit to Practice #1001018
2025-05-05

0 10 1:750 40m

Plot Date: May 5, 2025

May 05 2025 – 11:49am M:\SUR–LD\2018\18–264A\DWG\ONSITE PRODUCTION\18–264A – CUT & FILL ANALYSIS PLAN fhsu

NOT FOR CONSTRUCTION

May 05 2025 – 11:52am M:\SUR-LD\2018\18-264A\DWG\ONSITE PRODUCTION\18-264A – STORM SERVICING PLAN – NORTH.dwg/16 STORM SERVICING PLAN – NORTH fhsu

NOTE:
THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE CURRENT LANDSCAPE, ARCHITECTURAL, ELECTRICAL, STREETLIGHTING, GEOTECHNICAL & STRUCTURAL DRAWINGS.

NOTE:
THE CONTRACTOR SHALL REQUEST APPROVAL FROM THE GEOTECHNICAL ENGINEER BEFORE EXCAVATING WITHIN THE GEOGRID ZONE BEHIND THE LOCK BLOCK WALLS. REVIEW DURING EXCAVATION MAY BE REQUIRED BY A REPRESENTATIVE FROM THE GEOTECHNICAL CONSULTANT.

NOTE:
ALL CATCH BASINS, EXCEPT ALONG RUNNEL, TO HAVE FRAME & GRATE AS PER DETAIL ON SHEET 16 OF 26.

PROFESSIONAL PROVINCE OF BRITISH COLUMBIA R. J. BENNIE ENGINEER
EGBC Permit to Practice #1001018
2025-05-05

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

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1	2024-05-08	RJB	ISSUED FOR 75% REVIEW

Design by ASB — Date MAY, 2024
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Checked by RJB — Date MAY, 2024
Approved by RJB — Date MAY, 2024

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Date:
Manager of Development Servicing

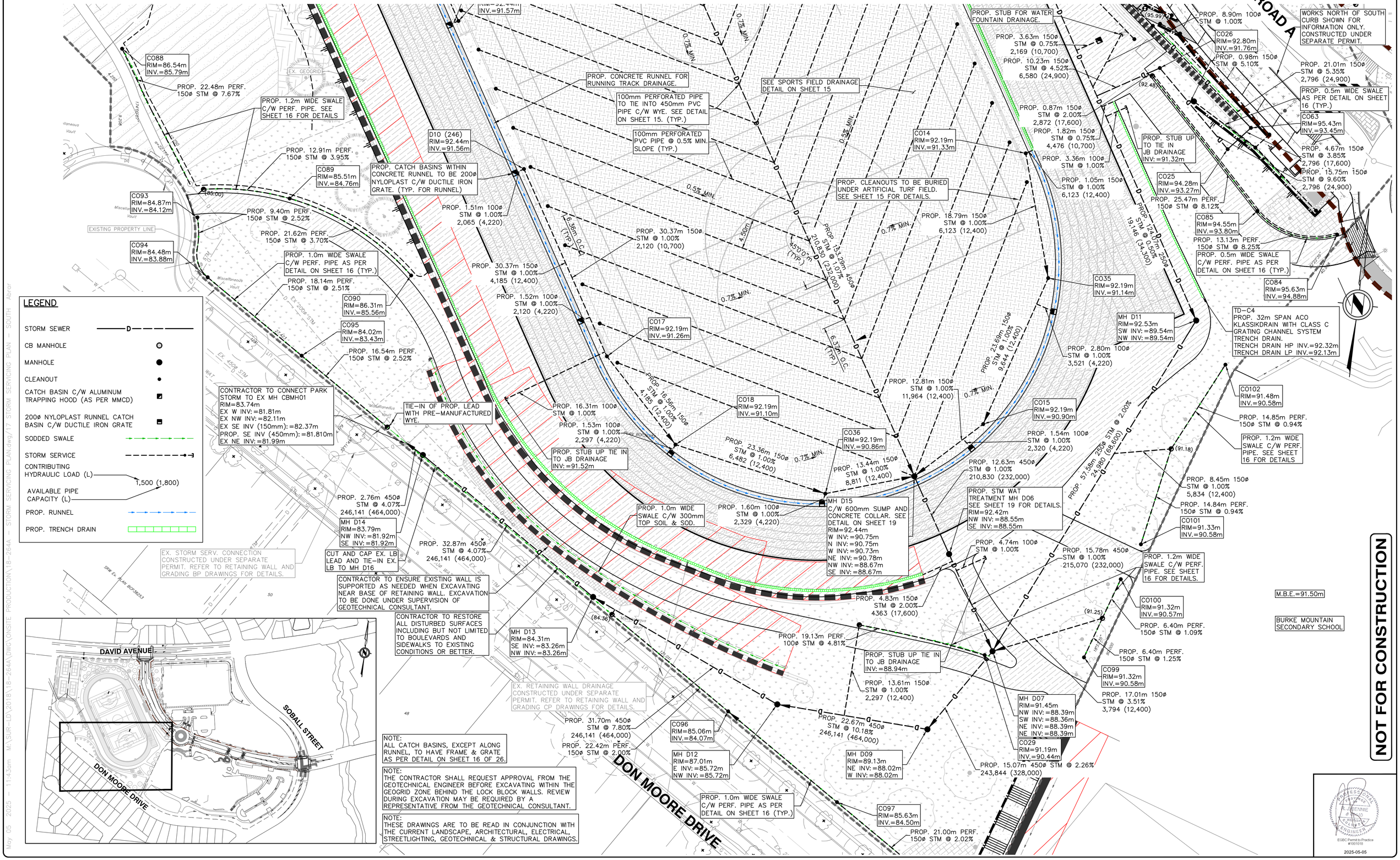
Coquitlam
Engineering & Public Works
3000 Guildford Way, Coquitlam, B.C. V3B 7N2

Scale horiz. 1:250 Scale vert. N/A
Sheet of 13 of 26
Eng. Project No. PROJ 25-015

Project
BURKE MOUNTAIN ATHLETIC PARK
Description
STORM SERVICING PLAN - NORTH
File: 18-264A

0 2 1:250 12m

Plot Date: May 5, 2025



Edge of pavement · Watermain and valve · Drainage sewer, MH · Drainage ditch · Sanitary sewer, MH · Sanitary forcemain · Gasmain and valve · Hydro duct, MH · Telephone duct, MH

Hydrant · Water air valve · Water blowoff · Water service · Catch basin, top inlet · Catch basin, side inlet · Catch basin, round · Drainage service · Drainage cleanout

Sanitary service · Sanitary cleanout · Utility pole(joint pole) · Utility pole with light · Streetlight, davit · Streetlight, post top · Comb signal pole · Traffic signal pole · Junction box

Hydro Guy Wire · Hydro Kiosk · Vegetation Conifer · Vegetation Deciduous · Vegetation Shrub · Survey Traverse Hub · Survey Iron Pin · Survey Lead Plug · Survey Monument

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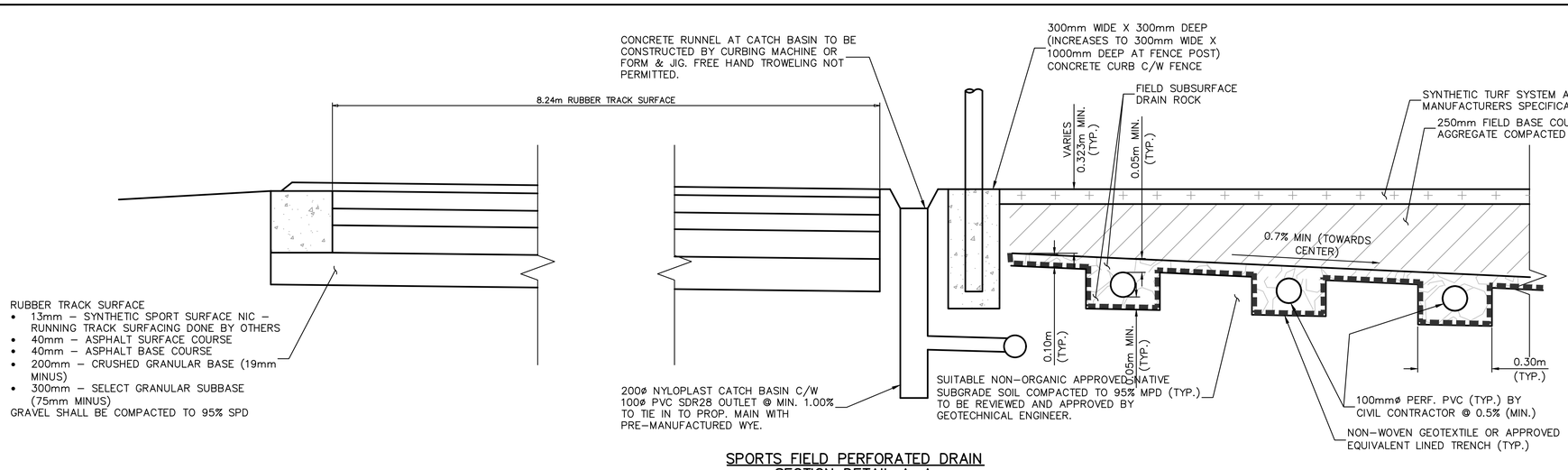
Coquitlam
Engineering & Public Works
3000 Guildford Way, Coquitlam, B.C. V3B 7N2

Scale horiz. 1:250 Scale vert. N/A
Sheet of 14 of 26
Eng. Project No. PROJ 25-015

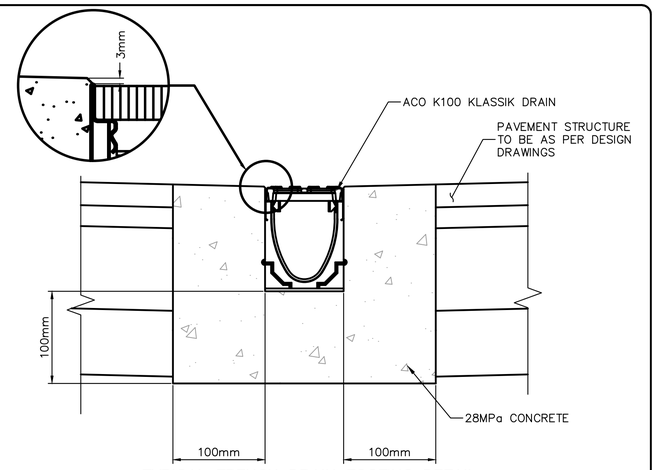
Project: BURKE MOUNTAIN ATHLETIC PARK
Description: STORM SERVICING PLAN - SOUTH
File: 18-264A

0 2 1:250 12m

Plot Date: May 5, 2025



SPORTS FIELD PERFORATED DRAIN SECTION DETAIL A–A
N.T.S.



TYPICAL TRENCH DRAIN FOOTING DETAIL
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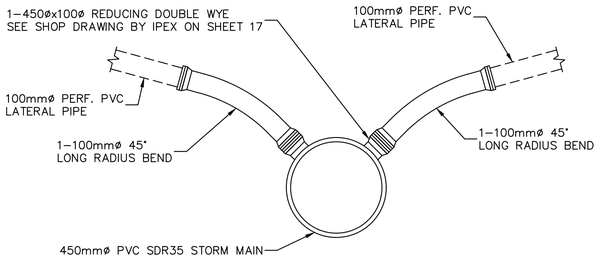

TYPICAL FIELD LATERAL TO MAIN COLLECTOR CONNECTION DETAIL
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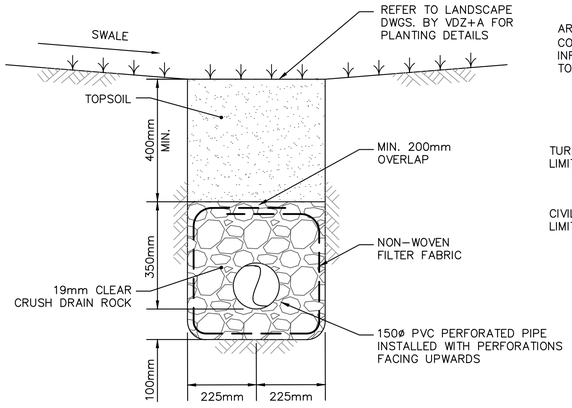

SUB-SURFACE DRAINAGE DETAIL
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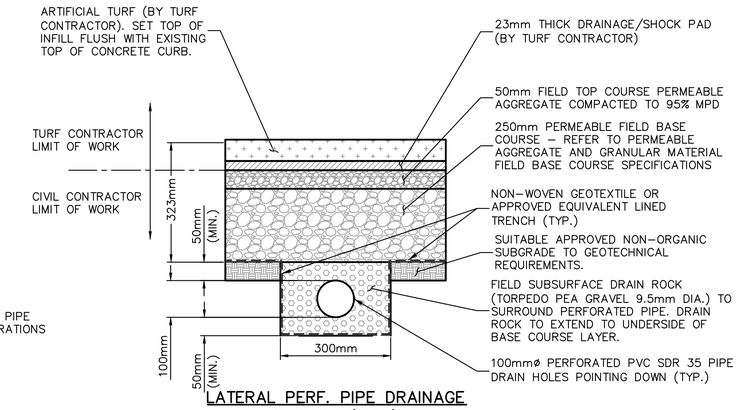

LATERAL PERF. PIPE DRAINAGE SECTION (TYP.)
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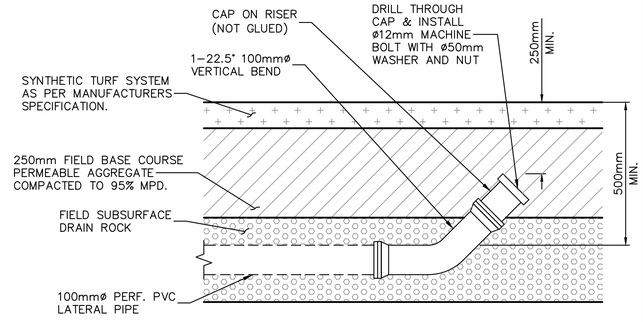

TERMINAL END CLEAN OUT DETAIL
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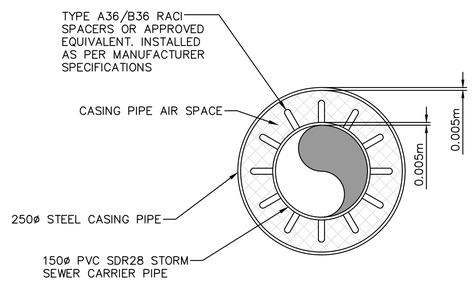

STORM PIPE CASING DETAIL– RET. WALL CROSSING
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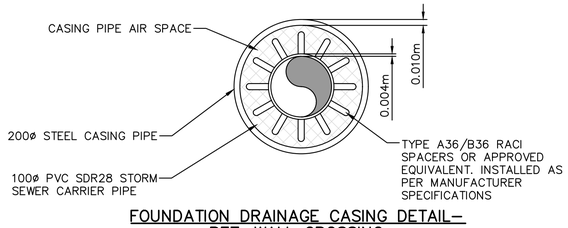
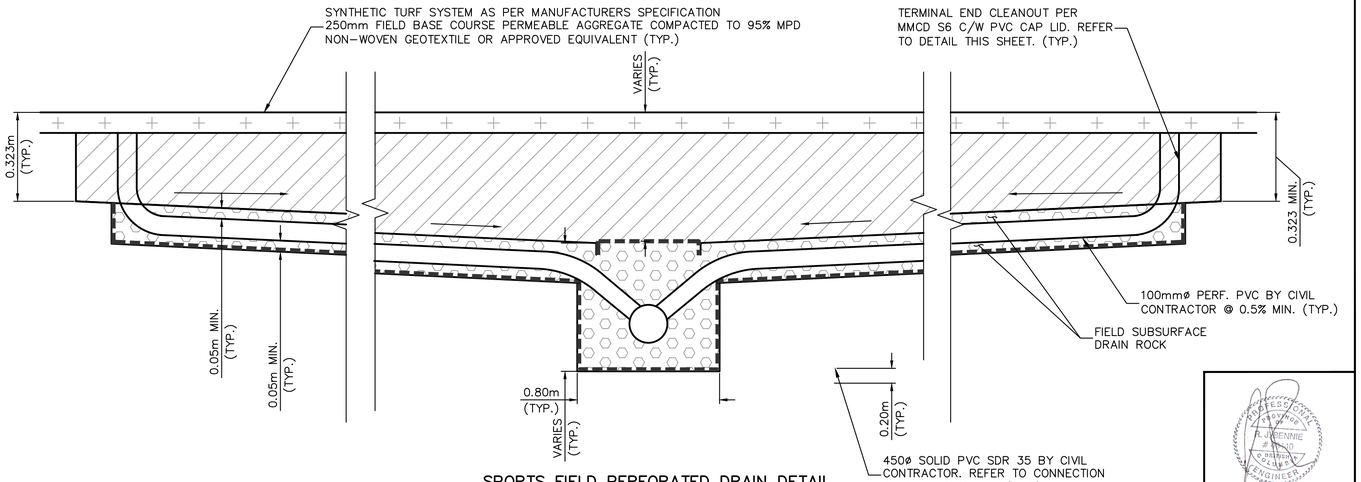


FOUNDATION DRAINAGE CASING DETAIL– RET. WALL CROSSING
N.T.S.



SPORTS FIELD PERFORATED DRAIN DETAIL
N.T.S.

EGBC Permit to Practice #1001018
2025-05-05

Edge of pavement	Hydrant	Sanitary service	Hydro Guy Wire
Watermain and valve	Water air valve	Sanitary cleanout	Hydro Kiosk
Drainage sewer, MH	Water blowoff	Utility pole(joint pole)	Vegetation Conifer
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Telephone duct, MH	Drainage cleanout	Junction box	Survey Monument

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Design by ASB Date MAY, 2024
Drawn by ASB Date MAY, 2024
Checked by RJB Date MAY, 2024
Approved by RJB Date MAY, 2024

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EGBC Permit to Practice Number #1001018
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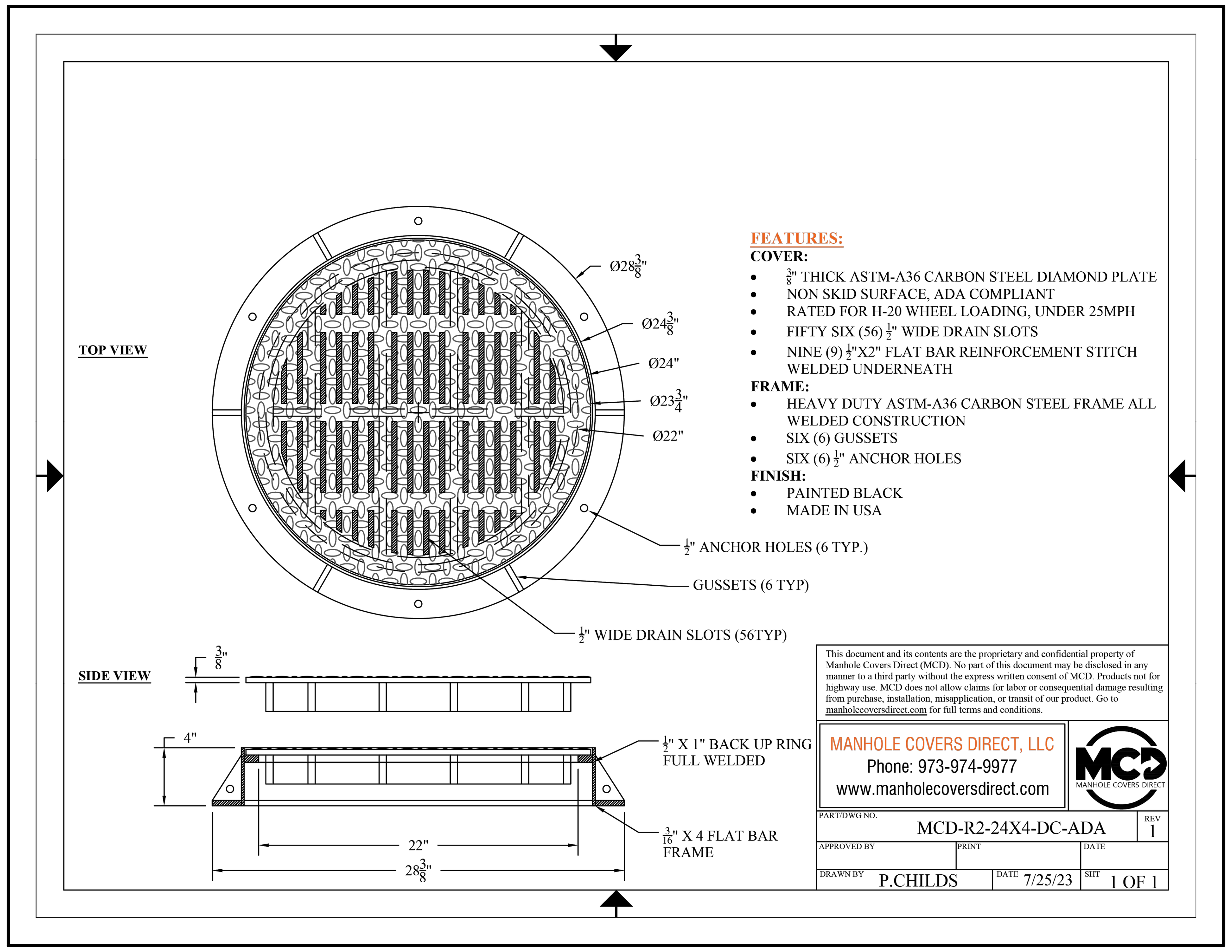
Coquitlam
Engineering & Public Works
3000 Guildford Way, Coquitlam, B.C. V3B 7N2

Scale horiz. N/A Scale vert. N/A
Sheet of 15 of 26
Eng. Project No. PROJ 25-015

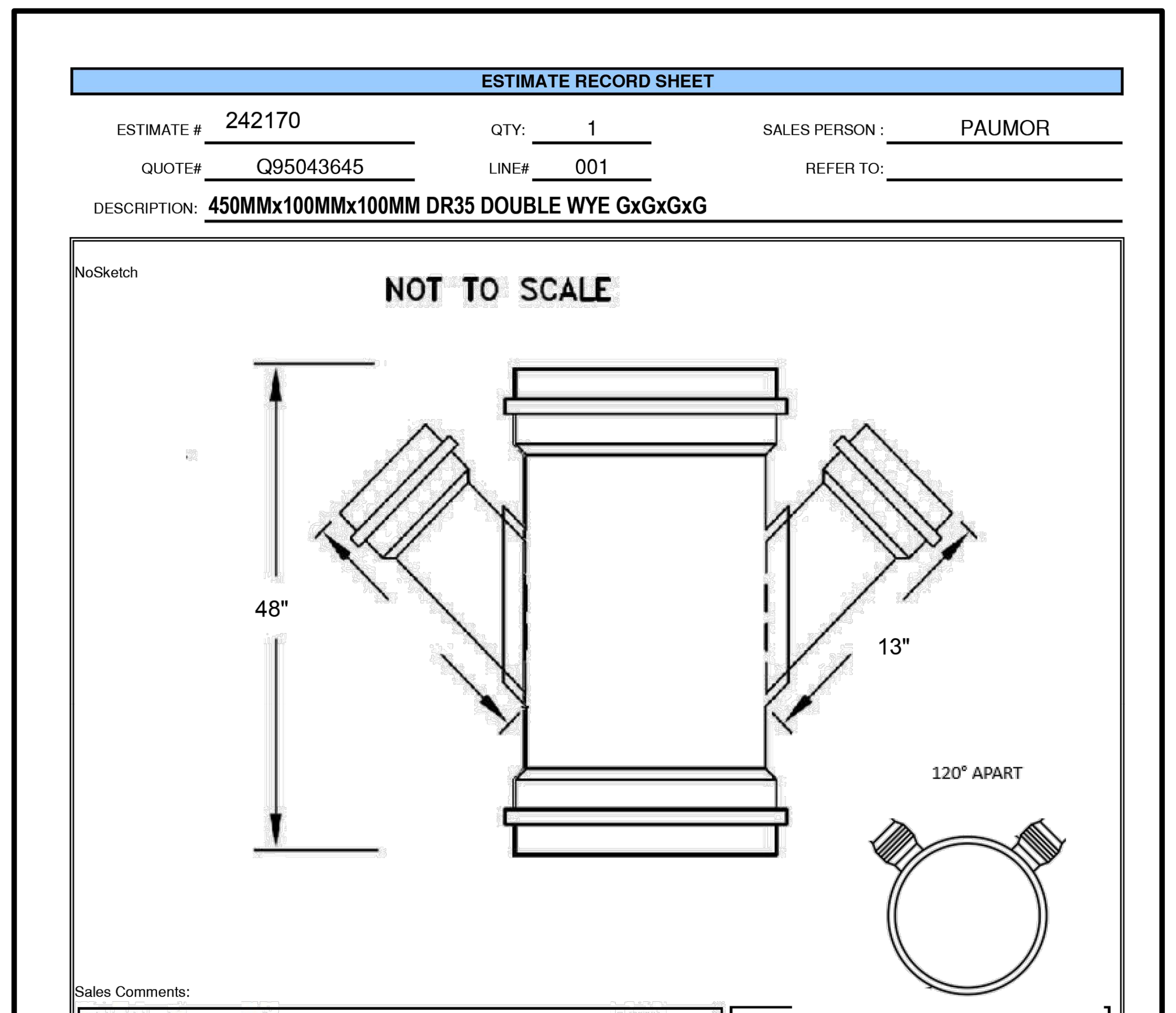
Project: BURKE MOUNTAIN ATHLETIC PARK
Description: STORM SERVICING PLAN - DETAILS
File: 18-264A

Plot Date: May 5, 2025

May 05 2025 – 11:43am M:\SUR-LD\2018\18-264A\DWG\ONSITE PRODUCTION\18-264A – STORM SERVICING PLAN – DETAILS Abrar
STORM SERVICING PLAN DETAILS.dwg/13 STORM SERVICING PLAN – DETAILS



CATCH BASIN FRAME & GRATE (TYP.)
N.T.S.



Configuration and Sizes	Tolerance
90° Elbows 18" and smaller	±1.0°
90° Elbows 20" and larger	±1.5°
All other Elbows	±2.0°
Straight fittings (Bushings, Adapters, Repair Couplings, etc.)	±1.0°
Tee Mains and Branches	±1.0°
Wyes	±2.0°

Dimensional tolerances

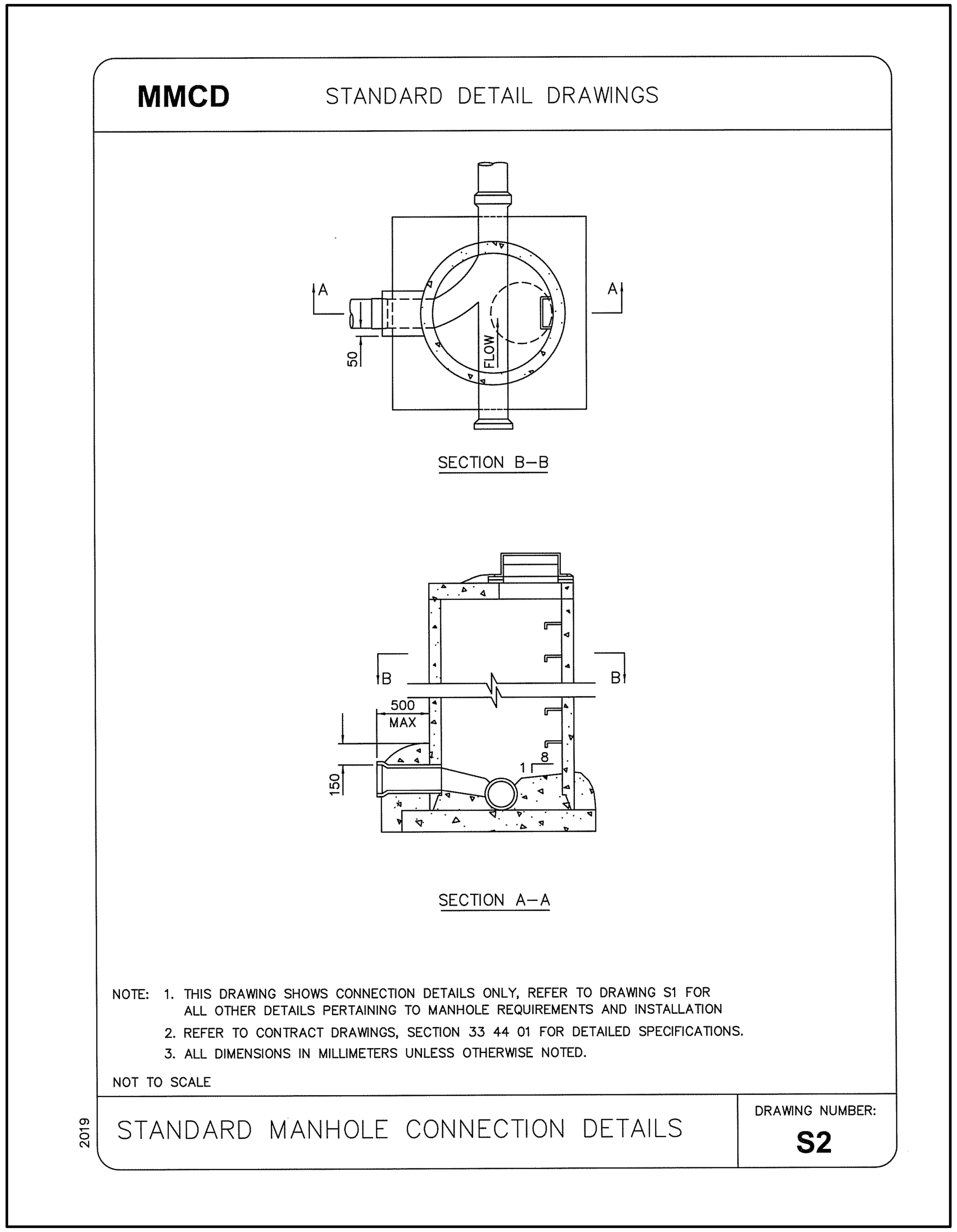
N/A	☐	±2"	☒
±0.5"	☐	±3"	☐
±1"	☐	±4"	☐
OTHER	☐		

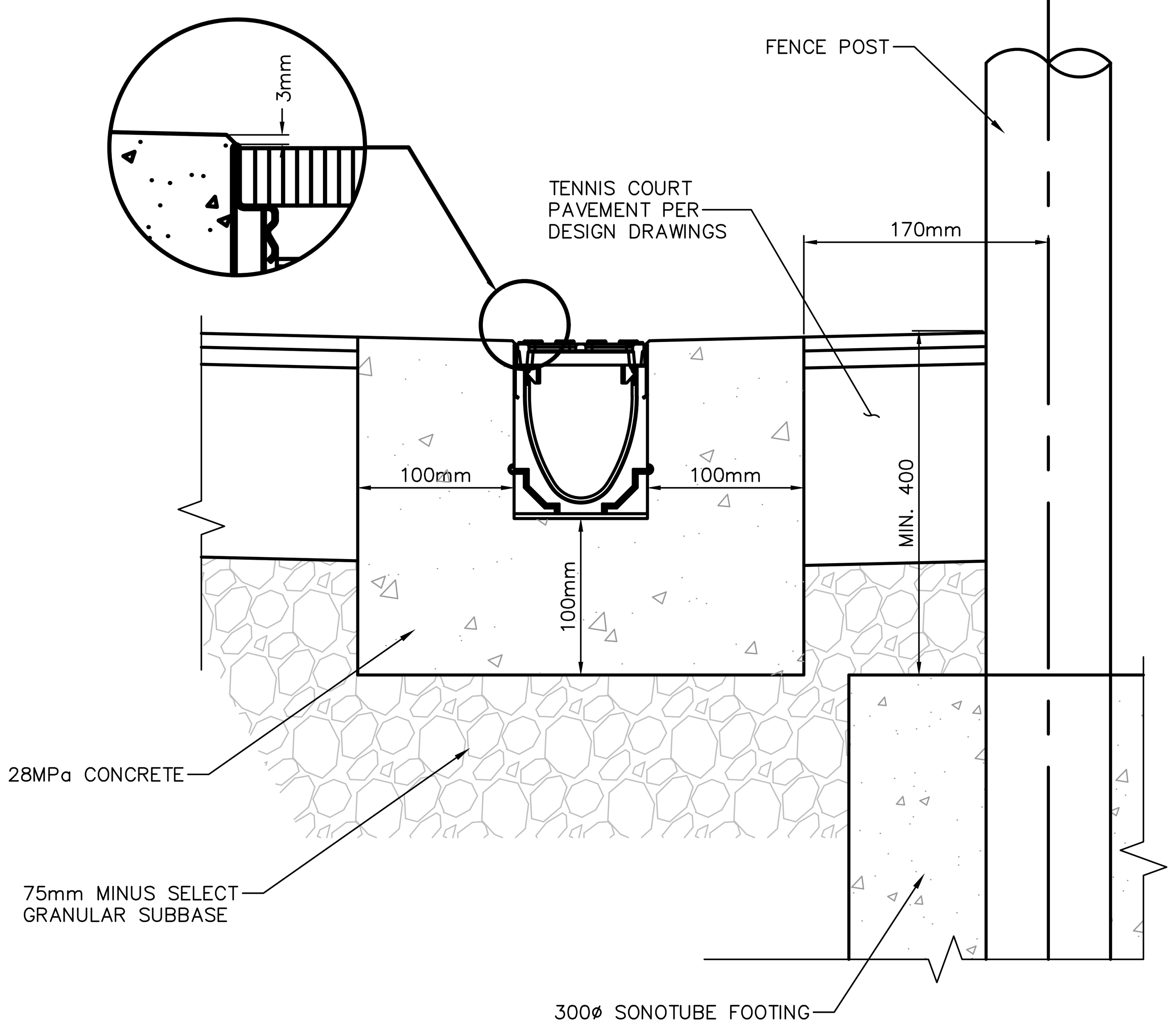
DESIGN VERIFICATION
THIS SECTION TO BE COMPLETED BY SALES DEPARTMENT/CUSTOMER
CHECK ONE OF THE BOXES BELOW; SIGN, DATE AND FAX TO (780) 415-5398

☐ APPROVED AS IS SIGNATURE: ____
☐ APPROVED WITH REVISIONS DATE: ____
☐ NEED NEW DESIGN

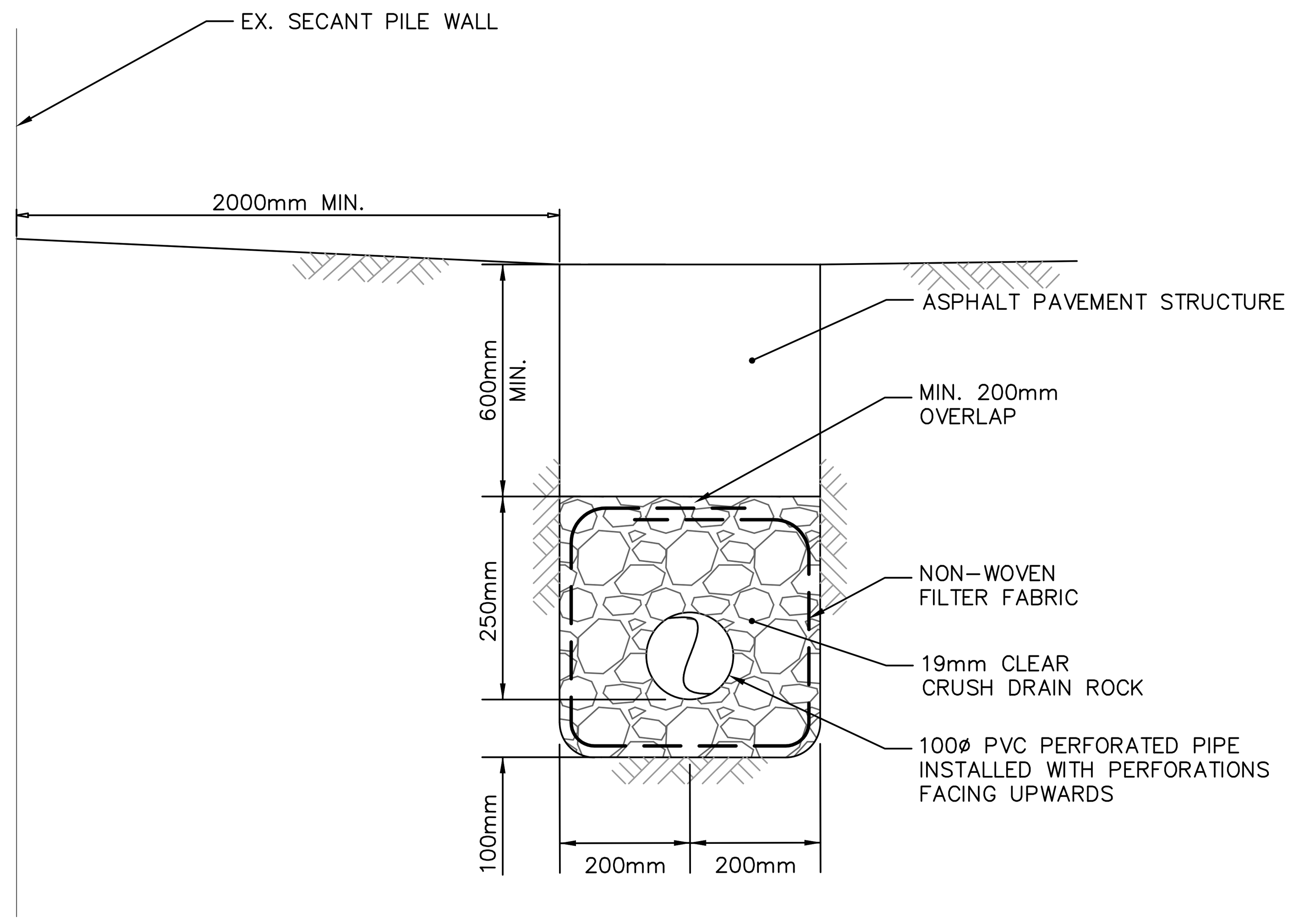
DESIGN REVIEW REQUIRED? YES ☒ NO ☐

IPEX	INITIAL	DATE
DESIGNED BY:	A.D	2025-01-13
REVIEWED BY:	T.C	2025-01-13

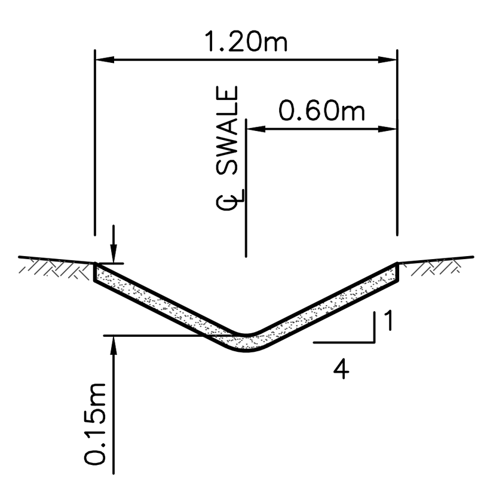




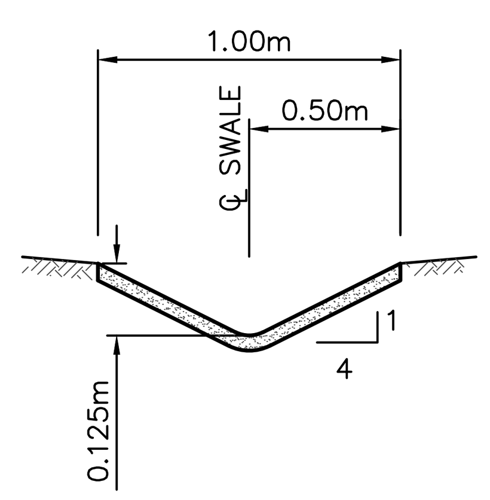
TENNIS COURT WEST TRENCH DRAIN DETAIL
N.T.S.



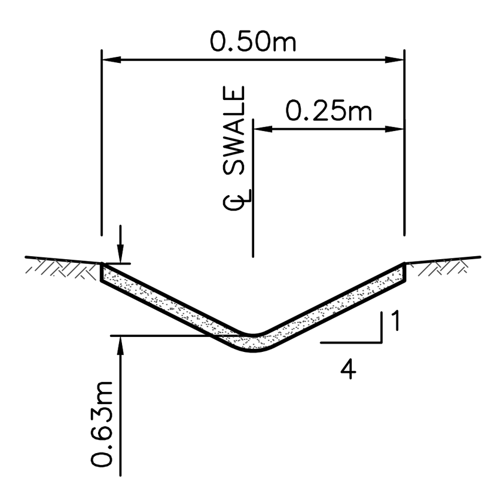
SECANT PILE WALL FOUNDATION DRAINAGE DETAIL
N.T.S.



TYPICAL 1.2m WIDE SODDED SWALE
N.T.S.



TYPICAL 1.0m WIDE SODDED SWALE
N.T.S.



TYPICAL 0.5m WIDE SODDED SWALE
N.T.S.

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA R. J. BENNIE # 40140
EGBC Permit to Practice #1001018
2025-05-05

May 05 2025 – 11:43am M:\SUR-LD\2018\18-264A\DWG\ONSITE PRODUCTION\18-264A – STORM SERVICING PLAN DETAILS.dwg/14 STORM SERVICING PLAN – DETAILS – 2 Abrar

Edge of pavement	Hydrant	Sanitary service	Hydro Guy Wire
Watermain and valve	Water air valve	Sanitary cleanout	Hydro Kiosk
Drainage sewer, MH	Water blowoff	Utility pole(joint pole)	Vegetation Conifer
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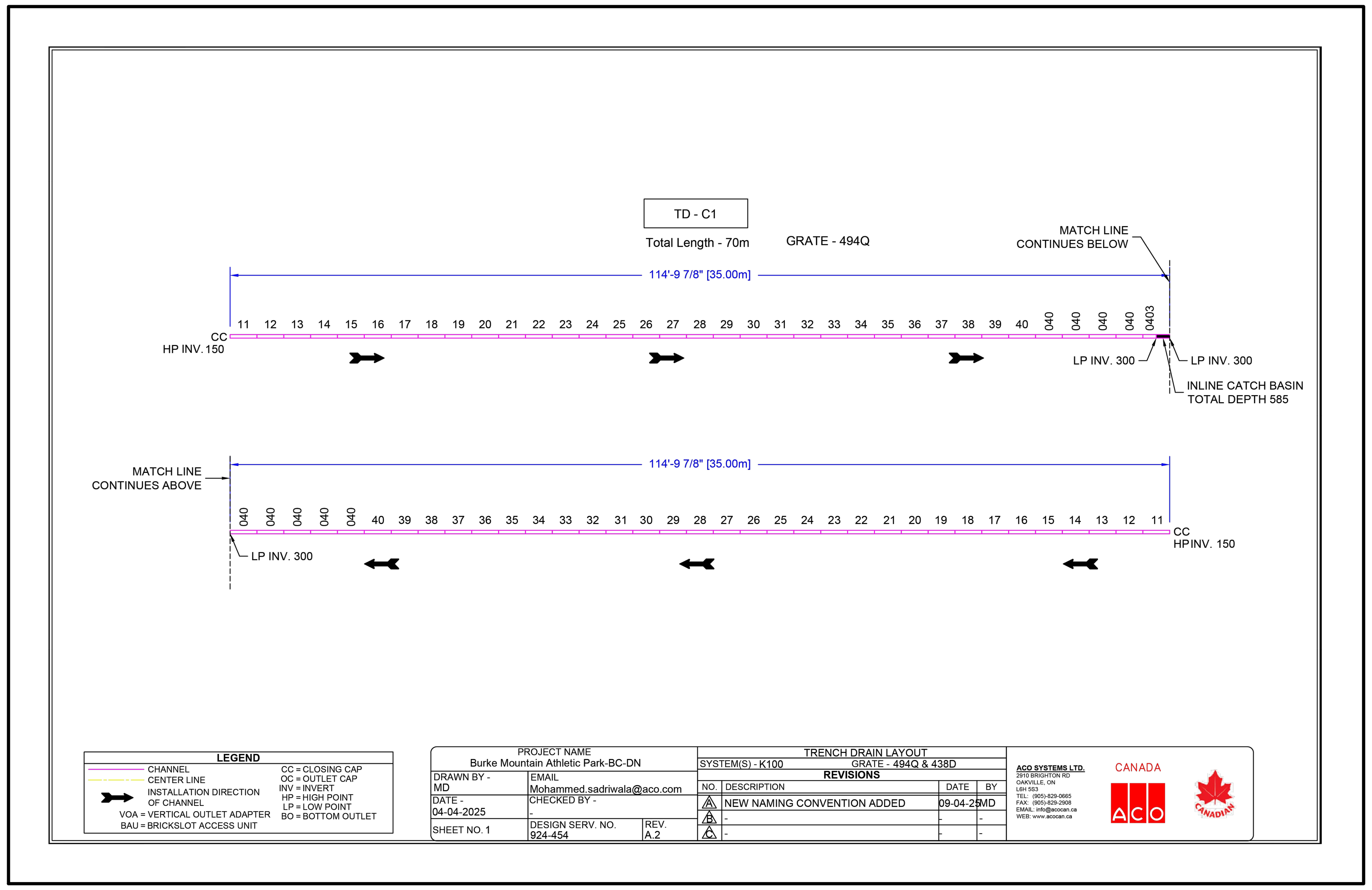
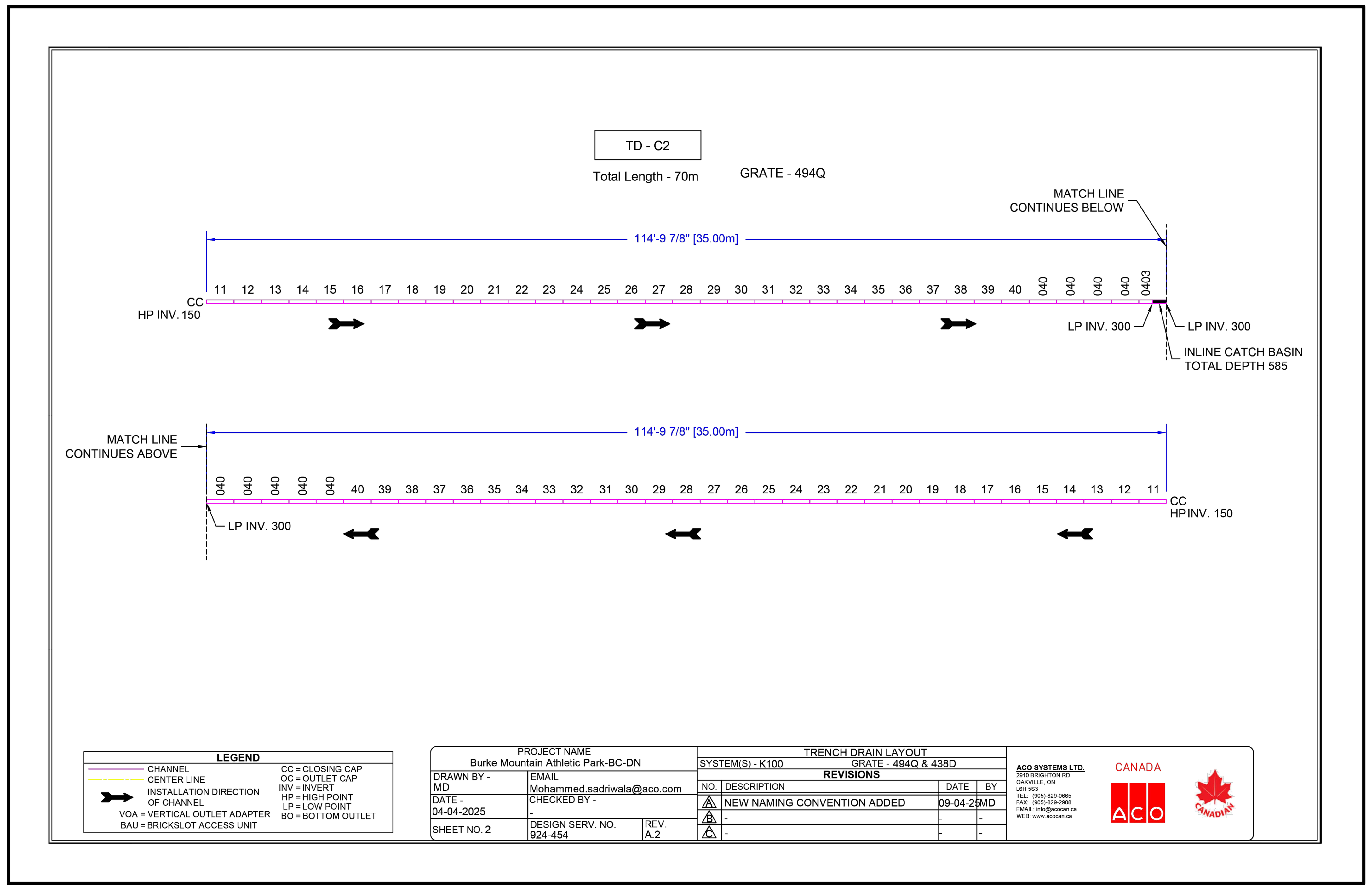
Scale horiz. N/A Scale vert. N/A
Sheet of 16 of 26
Eng. Project No. PROJ 25-015

Project
BURKE MOUNTAIN ATHLETIC PARK
Description
STORM SERVICING PLAN - DETAILS - 2
File: 18-264A

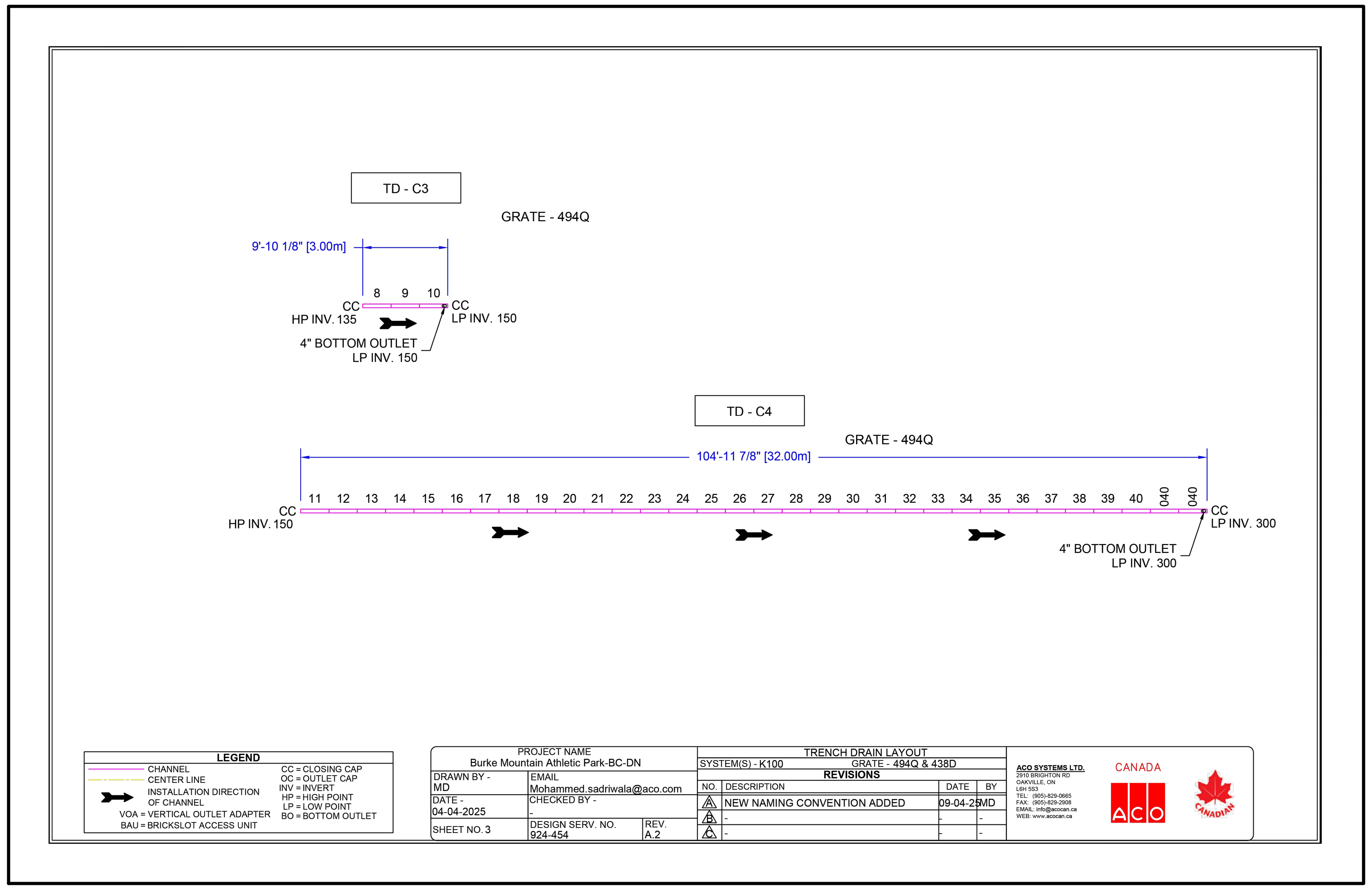
Plot Date: May 5, 2025



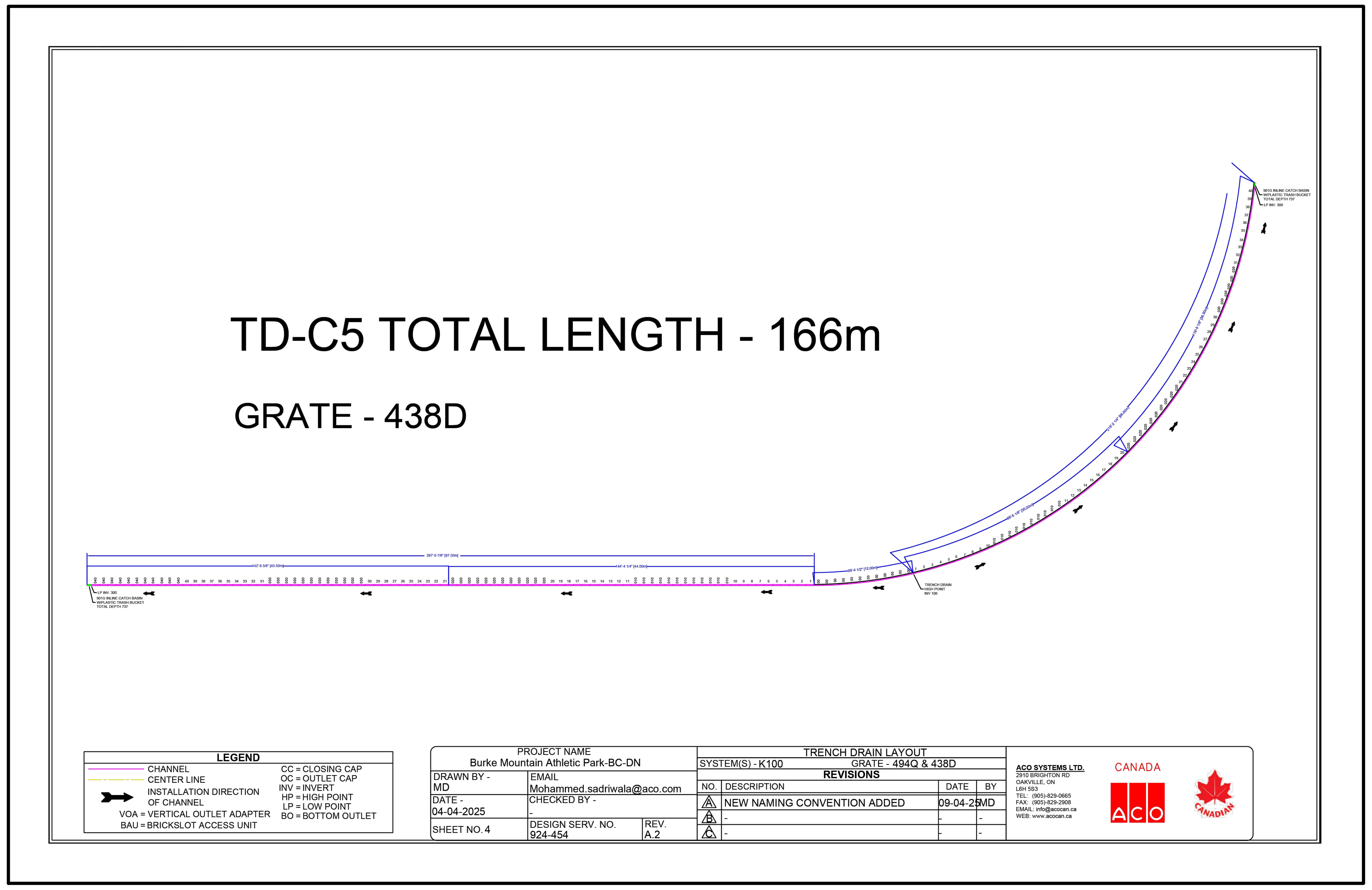
TENNIS COURT EAST TRENCH DRAIN DETAIL
N.T.S.



TENNIS COURT WEST TRENCH DRAIN DETAIL
N.T.S.



RUNNING TRACK NORTH AND EAST TRENCH DRAIN DETAIL
N.T.S.



RUNNING TRACK WEST TRENCH DRAIN DETAIL
N.T.S.

PROFESSIONAL PROVINCE OF BRITISH COLUMBIA R. J. BENNIE ENGINEER
EGBC Permit to Practice #1001018
2025-05-05

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6	2025-04-24	RJB	REISSUED FOR RFP REVIEW
5	2025-01-17	RJB	ISSUED FOR RFP REVIEW
4	2024-12-16	RJB	ISSUED FOR 100% REVIEW
3	2024-11-28	RJB	ISSUED FOR 85% REVIEW
2	2024-07-10	RJB	ISSUED FOR ALTERNATIVE COSTING
1	2024-05-08	RJB	ISSUED FOR 75% REVIEW

Design by ASB	Date MAY, 2024
Drawn by ASB	Date MAY, 2024
Checked by RJB	Date MAY, 2024
Approved by RJB	Date MAY, 2024

APLIN MARTIN
EGBC Permit to Practice Number #1001018
201 - 12448 82 Avenue, Surrey, B.C. V3W 3E9
Tel: (604) 597-9058, Fax: (604) 597-9061
Email: general@aplinmartin.com

ACCEPTED FOR CONSTRUCTION
Date:
Manager of Development Servicing

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

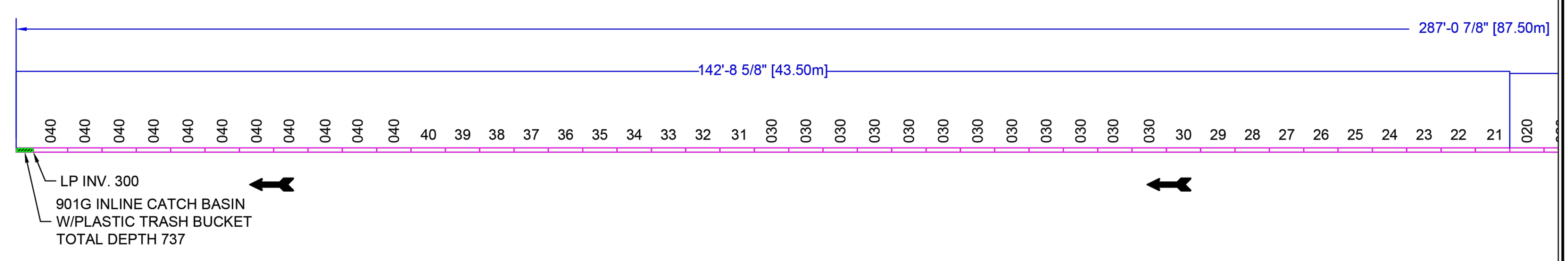
Scale horiz. N/A Scale vert. N/A
Sheet of 17 of 26
Eng. Project No. PROJ 25-015

Project
BURKE MOUNTAIN ATHLETIC PARK

Description
STORM SERVICING PLAN - DETAILS - 3

File: 18-264A

Plot Date: May 5, 2025



GENERAL NOTES

1. IT IS CUSTOMERS RESPONSIBILITY TO ENSURE THAT EACH PRODUCT IS FIT FOR IT'S INTENDED PURPOSE AND THAT THE ACTUAL CONDITIONS ARE SUITABLE.
2. IT IS THE CUSTOMERS RESPONSIBILITY TO FOLLOW ACO SYSTEMS LTD. INSTALLATION INSTRUCTIONS FOR EACH PRODUCT. SEEK ENGINEERING ADVISE FOR INSTALLATIONS NOT ILLUSTRATED IN THE INSTALLATION GUIDELINES.
3. FOR FURTHER PRODUCT INFORMATION, CUT SHEETS, SPECIFICATIONS AND INSTALLATION INSTRUCTIONS, PLEASE VISIT US AT OUR WEBSITE: WWW.ACOCAN.CA.
4. ACO IS NOT RESPONSIBLE TO ENSURE PROPER FLOW TO SYSTEMS OUTLETS OR CATCH BASINS, REFER TO GRADING PLANS. ALL TRENCH DRAIN LAYOUTS ARE DESIGNED AT 0.0% LONGITUDINAL PAVEMENT SLOPE UNLESS OTHERWISE NOTED.

TRENCH NOTES

1. ALL FABRICATIONS TO BE COMPLETED BY INSTALLING CONTRACTOR.
2. DIMENSIONS ARE FROM OUTSIDE TO OUTSIDE

ALL DRAWINGS ARE AS ACCURATE AS THE INFORMATION SUPPLIED. ALL REASONABLE CARE HAS BEEN TAKEN IN COMPILING THE INFORMATION WITHIN. PLEASE REVIEW THIS INFORMATION FOR ACCURACY.

☐ APPROVED ☐ REVISE AND RESUBMIT
☐ APPROVED AS NOTED ☐ REJECTED

SIGNED: ____________

DATE: ________

COMMENTS:

LEGEND

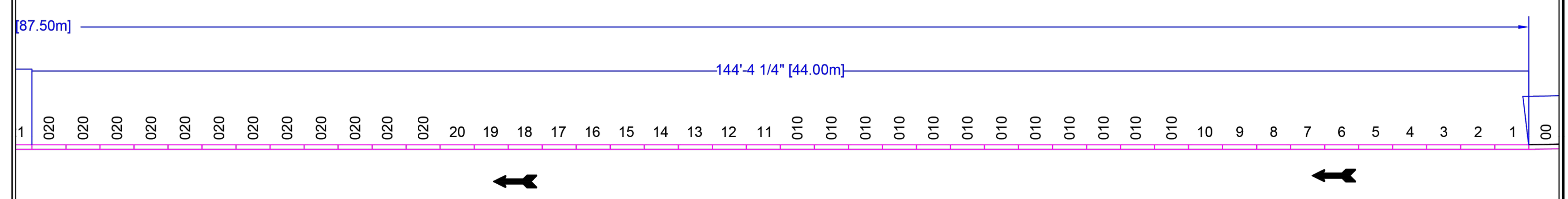
CHANNEL
CENTER LINE
INSTALLATION DIRECTION OF CHANNEL
VOA = VERTICAL OUTLET ADAPTER
BAU = BRICKSLOT ACCESS UNIT
CC = CLOSING CAP
OC = OUTLET CAP
INV = INVERT
HP = HIGH POINT
LP = LOW POINT
BO = BOTTOM OUTLET

PROJECT NAME Burke Mountain Athletic Park-BC-DN			TRENCH DRAIN LAYOUT			
DRAWN BY - MD	EMAIL Mohammed.sadriwala@aco.com		SYSTEM(S) - K100 GRATE - 494Q & 438D			
DATE - 04-04-2025	CHECKED BY - -		REVISIONS			
SHEET NO. 5	DESIGN SERV. NO. 924-454	REV. A.2	NO.	DESCRIPTION	DATE	BY
			A	NEW NAMING CONVENTION ADDED	09-04-25	MD
			B	-	-	-
			C	-	-	-

ACO SYSTEMS LTD.
2910 BRIGHTON RD
OAKVILLE, ON
L6H 5S3
TEL: (905)-829-0665
FAX: (905)-829-2908
EMAIL: info@acocan.ca
WEB: www.acocan.ca

CANADA ACO CANADIAN

RUNNING TRACK WEST TRENCH DRAIN DETAIL
N.T.S.



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SIGNED: ____________

DATE: ________

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DRAWN BY - MD	EMAIL Mohammed.sadriwala@aco.com		SYSTEM(S) - K100 GRATE - 494Q & 438D			
DATE - 04-04-2025	CHECKED BY - -		REVISIONS			
SHEET NO. 6	DESIGN SERV. NO. 924-454	REV. A.2	NO.	DESCRIPTION	DATE	BY
			A	NEW NAMING CONVENTION ADDED	09-04-25	MD
			B	-	-	-
			C	-	-	-

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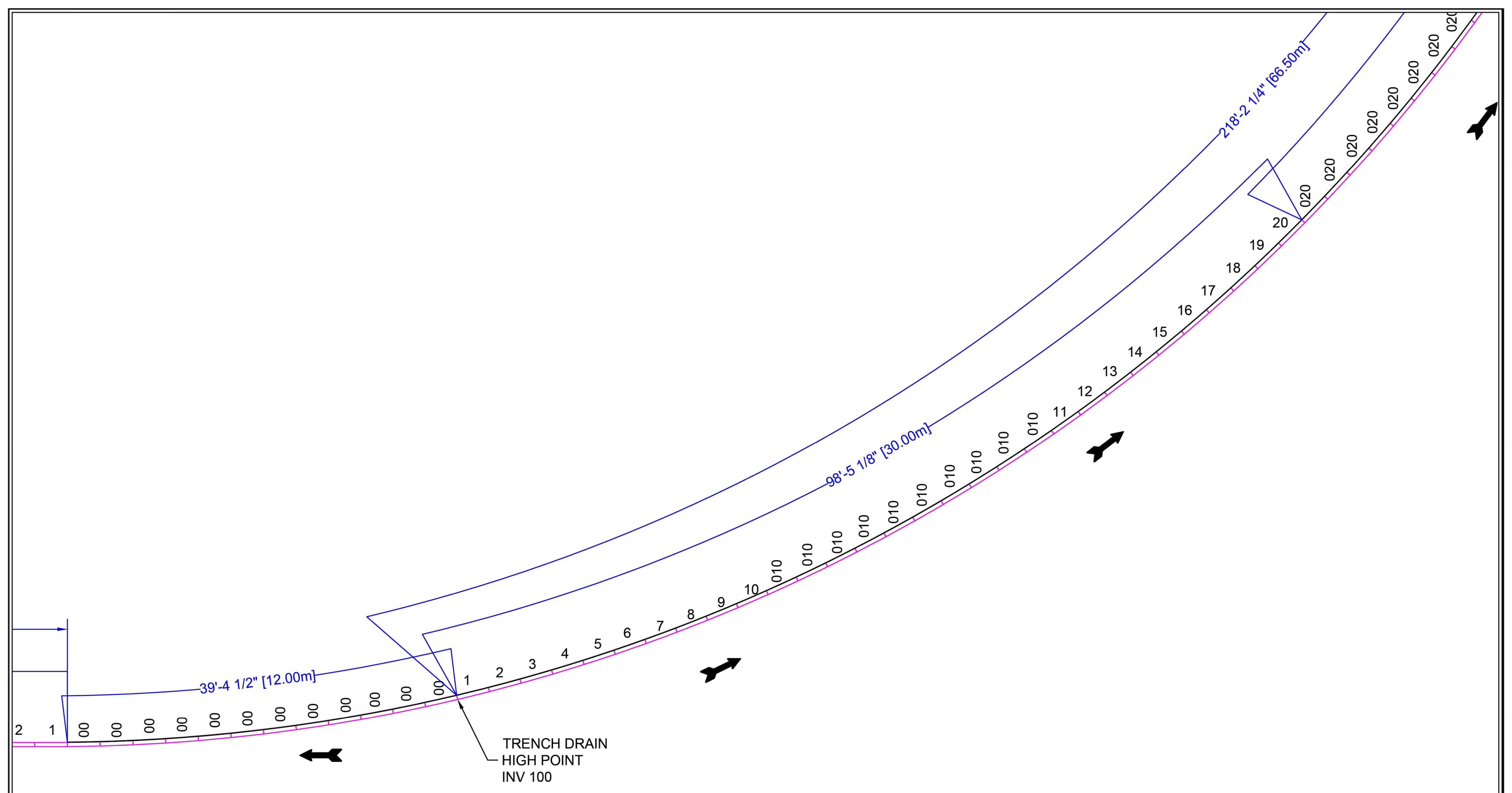
CANADA ACO CANADIAN

RUNNING TRACK WEST TRENCH DRAIN DETAIL
N.T.S.



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DRAWN BY - MD	EMAIL Mohammed.sadriwala@aco.com		SYSTEM(S) - K100 GRATE - 494Q & 438D			
DATE - 04-04-2025	CHECKED BY - -		REVISIONS			
SHEET NO. 7	DESIGN SERV. NO. 924-454	REV. A.2	NO.	DESCRIPTION	DATE	BY
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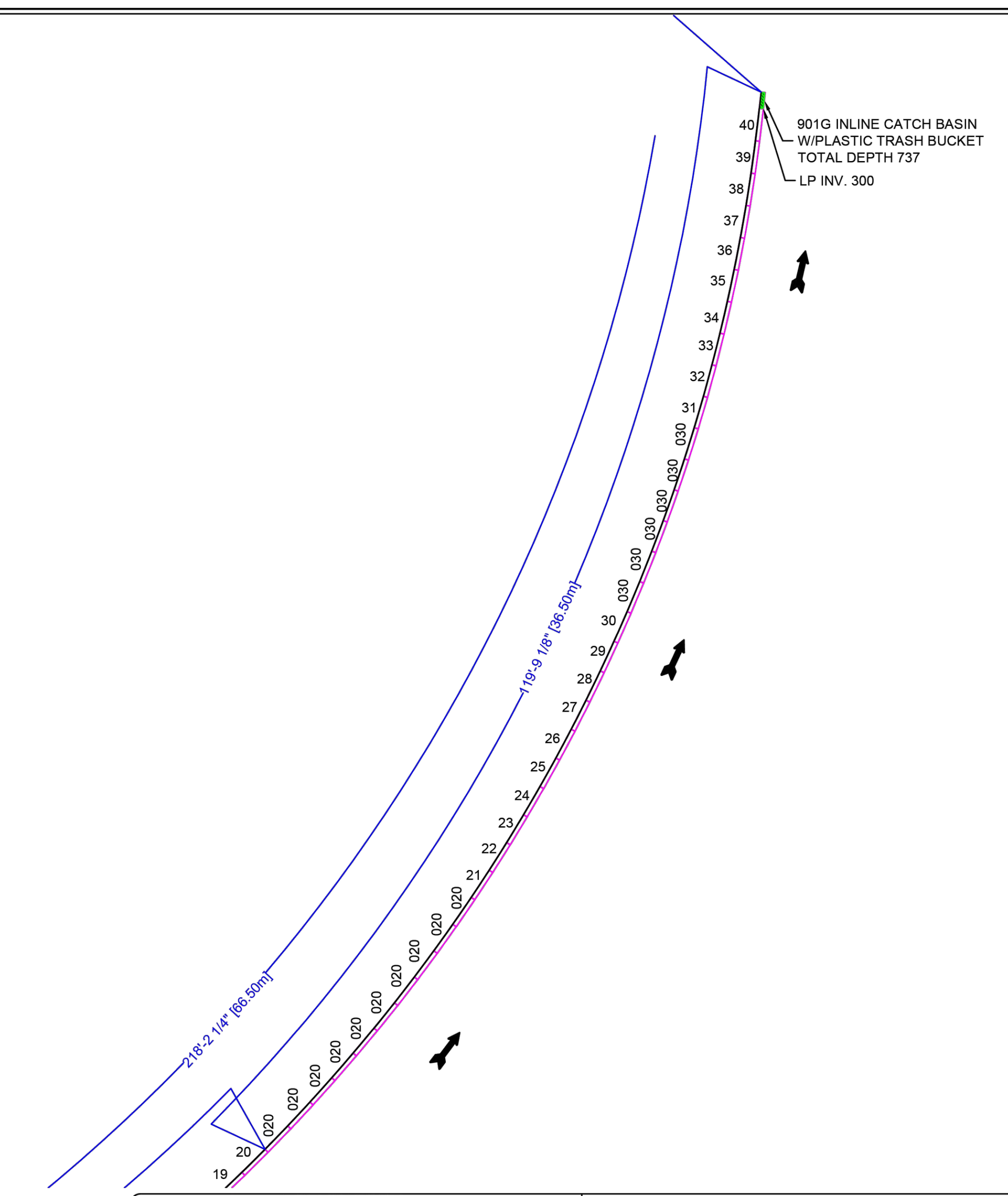
CANADA ACO CANADIAN

RUNNING TRACK WEST TRENCH DRAIN DETAIL
N.T.S.



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CANADA ACO CANADIAN

RUNNING TRACK WEST TRENCH DRAIN DETAIL
N.T.S.

PROFESSIONAL
PROVINCE OF BRITISH COLUMBIA
R. J. BENNIE
20410
ENGINEER

EGBC Permit to Practice #1001018

2025-05-05

May 05 2025 – 11:43am M:\SUR-LD\2018\18-264A\DWG\ONSITE PRODUCTION\18-264A – STORM SERVICING PLAN – DETAILS – 4 Abrar

Edge of pavement | *Watermain and valve* W | *Drainage sewer, MH* D | *Drainage ditch* | *Sanitary sewer, MH* S | *Sanitary forcemain* SFM | *Gasmain and valve* G | *Hydro duct, MH* UE | *Telephone duct, MH* T

Hydrant | *Water air valve* | *Water blowoff* | *Water service* | *Catch basin, top inlet* | *Catch basin, side inlet* | *Catch basin, round* | *Drainage service* | *Drainage cleanout*

Sanitary service | *Sanitary cleanout* | *Utility pole(joint pole)* | *Utility pole with light* | *Streetlight, davit* | *Streetlight, post top* | *Comb signal pole* | *Traffic signal pole* | *Junction box*

Hydro Guy Wire | *Hydro Kiosk* | *Vegetation Conifer* | *Vegetation Deciduous* | *Vegetation Shrub* | *Survey Traverse Hub* | *Survey Iron Pin* | *Survey Lead Plug* | *Survey Monument*

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Design by ASB	Date MAY, 2024
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ACCEPTED FOR CONSTRUCTION
Date:__________

____
Manager of Development Servicing

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

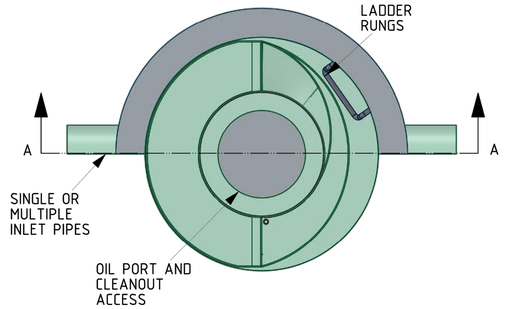
Scale horiz. N/A Scale vert. N/A
Sheet of 18 of 26
Eng. Project No. PROJ 25-015

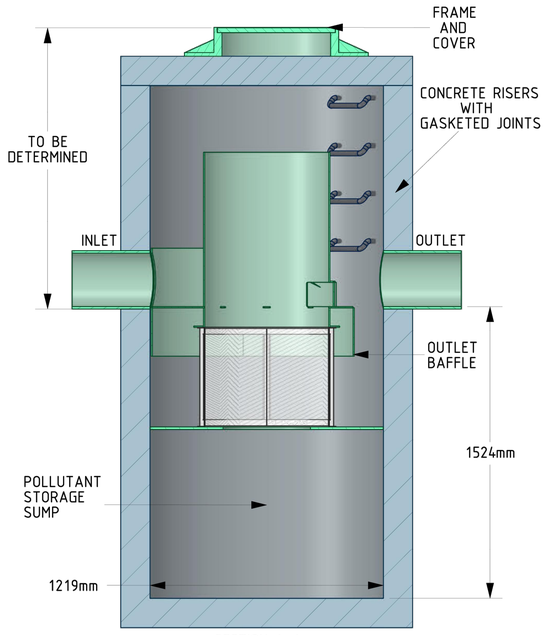
Project
BURKE MOUNTAIN ATHLETIC PARK

Description
STORM SERVICING PLAN - DETAILS - 4

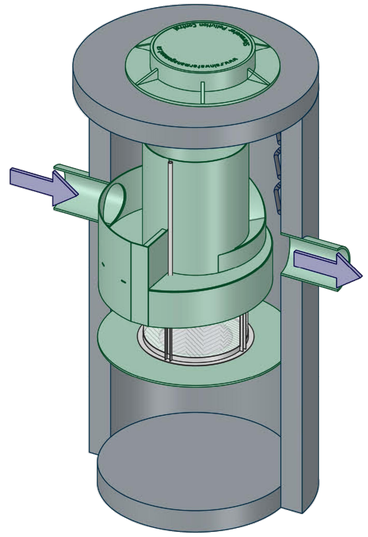
File: 18-264A

Plot Date: May 5, 2025





SECTION A-A



SCALE 1:38

TYPICAL DRAWING NOT
FOR CONSTRUCTION

DESIGN NOTES

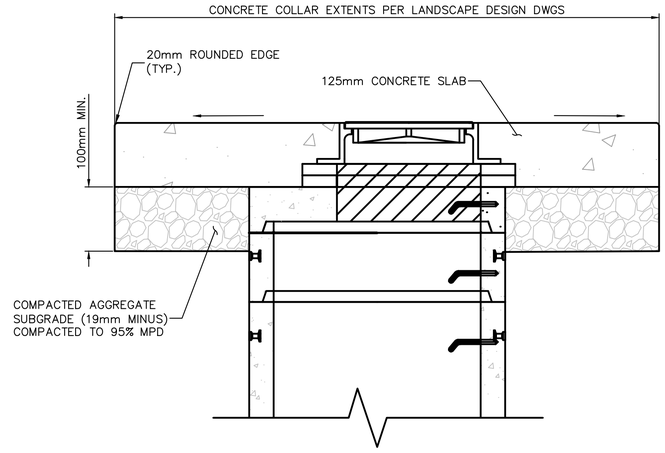
1. INLET AND OUTLET PIPE CAN BE UP TO 90 DEGREES APART DEPENDING ON PIPE AND MANHOLE SIZE. IF IN DOUBT, PLEASE CONTACT RAINWATER MANAGEMENT.
2. THE RWM SS UNIT CAN HANDLE MULTIPLE INLET PIPES AS WELL AS A TOP INLET.

GENERAL NOTES

1. RAINWATER MANAGEMENT TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, CONTACT RAINWATER MANAGEMENT. www.rainwatermanagement.ca
4. RWM WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE AND CASTINGS SHALL MEET REQUIRED LOAD RATINGS, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
6. MANHOLE MANUFACTURED TO LOCAL SPECIFICATIONS.

INSTALLATION NOTES

1. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY THE ENGINEER OF RECORD.
2. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE MANHOLE STRUCTURE (LIFTING DEVICES NOT PROVIDED). HEAVIEST LIFT DEPENDS ON RISER HEIGHTS.
3. CONTRACTOR TO ADD GASKETS OR JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE AS REQUIRED.
4. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES, MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
5. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.



MANHOLE CONCRETE COLLAR DETAIL
N.T.S.

rainwater MANAGEMENT
www.rainwatermanagment.ca
604-944-9265

FILE		MODEL			
RWM-SS-1200 TYPICAL		RWM-SS-1200			
JOB / IDENTIFIER	REV	CREATOR	APPROVED	SHEET	
SS		AG		1 of 1	
MATERIAL	THICKNESS	SCALE	CREATED	LAST SAVED	
--		1:32	10/5/2022	10/5/2022 10:02:07 AM	

Edge of pavement
Watermain and valve — W
Drainage sewer, MH — D
Drainage ditch
Sanitary sewer, MH — S
Sanitary forcemain — SFM
Gasmain and valve — G
Hydro duct, MH — UE
Telephone duct, MH — T
Hydrant
Water air valve
Water blowoff
Water service
Catch basin, top inlet
Catch basin, side inlet
Catch basin, round
Drainage service
Drainage cleanout
Sanitary service
Sanitary cleanout
Utility pole(joint pole)
Utility pole with light
Streetlight, davit
Streetlight, post top
Comb signal pole
Traffic signal pole
Junction box
Hydro Guy Wire
Hydro Kiosk
Vegetation Conifer
Vegetation Deciduous
Vegetation Shrub
Survey Traverse Hub
Survey Iron Pin
Survey Lead Plug
Survey Monument

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Design by ASB — Date MAY, 2024
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Tel: (604) 597-0058, Fax: (604) 597-0061
Email: general@aplinmartin.com

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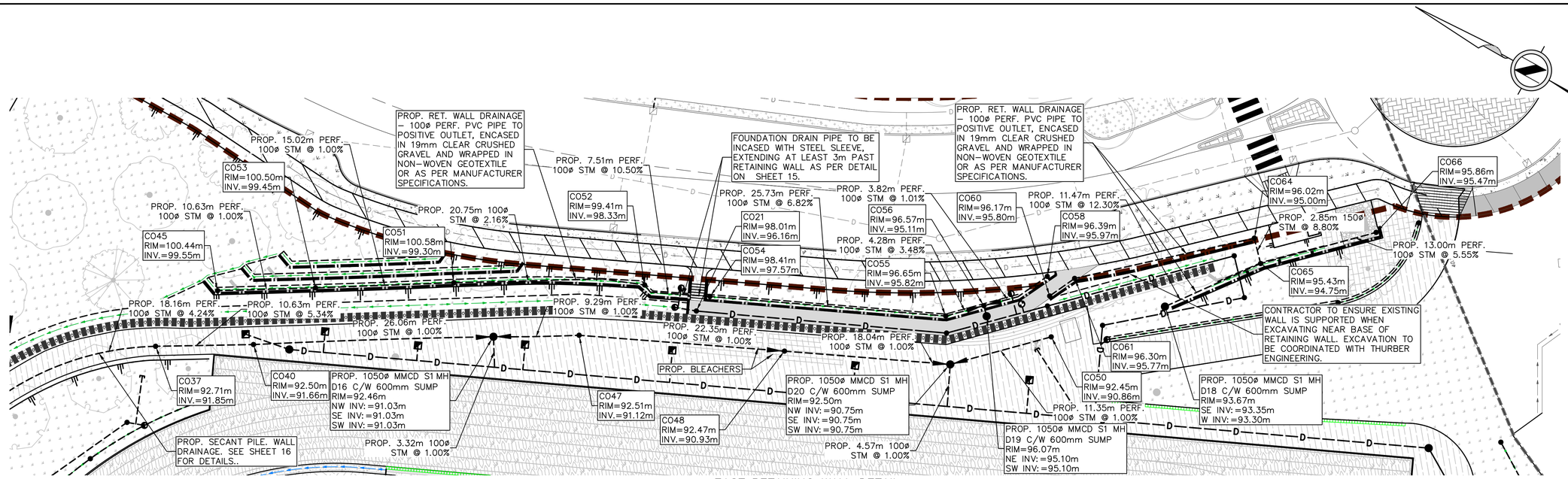
Coquitlam
Engineering & Public Works
3000 Guildford Way, Coquitlam, B.C. V3B 7N2

Scale horiz. N/A — Scale vert. N/A
Sheet of 19 of 26
Eng. Project No. PROJ 25-015

Project: BURKE MOUNTAIN ATHLETIC PARK
Description: STORM SERVICING PLAN - DETAILS - 5
File: 18-264A

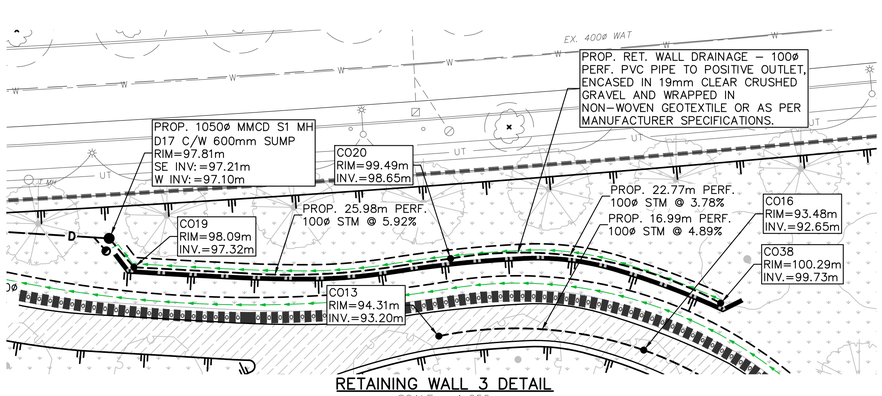
PROFESSIONAL ENGINEER — R. JENNIE — PROVINCE OF BRITISH COLUMBIA
EGBC Permit to Practice #1001018
2025-05-05

Plot Date: May 5, 2025



EAST RETAINING WALL DETAIL

SCALE = 1:250



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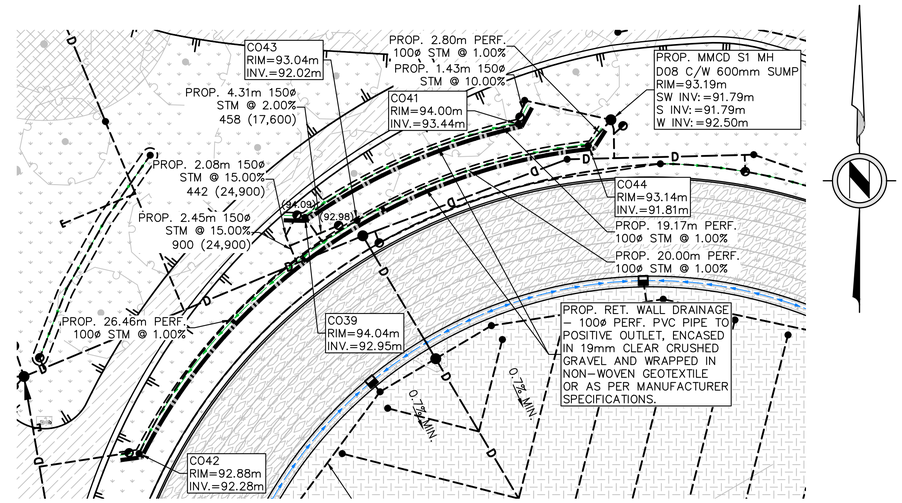

RETAINING WALL 4 & 5 DETAIL

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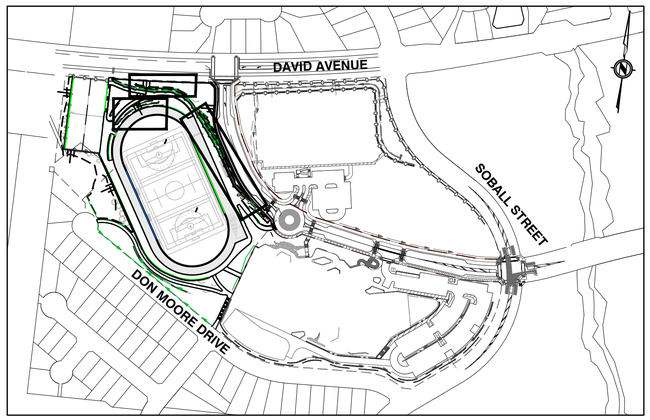

NOTE:
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NOTE:
THE CONTRACTOR SHALL REQUEST APPROVAL FROM THE GEOTECHNICAL ENGINEER BEFORE EXCAVATING WITHIN THE GEOGRID ZONE BEHIND THE LOCK BLOCK WALLS. REVIEW DURING EXCAVATION MAY BE REQUIRED BY A REPRESENTATIVE FROM THE GEOTECHNICAL CONSULTANT.

NOTE:
ALL CATCH BASINS, EXCEPT ALONG RUNNEL, TO HAVE FRAME & GRATE AS PER DETAIL ON SHEET 16 OF 26.

LEGEND

- STORM SEWER
- CB MANHOLE
- MANHOLE
- CLEANOUT
- CATCH BASIN C/W ALUMINUM TRAPPING HOOD (AS PER MMCD)
- 200ø NYLOPLAST RUNNEL CATCH BASIN C/W DUCTILE IRON GRATE
- SODDED SWALE
- STORM SERVICE
- CONTRIBUTING HYDRAULIC LOAD (L) / AVAILABLE PIPE CAPACITY (L) — 1,500 (1,800)
- PROP. RUNNEL
- PROP. TRENCH DRAIN

NOT FOR CONSTRUCTION

EGBC Permit to Practice #1001018
2025-05-05

Edge of pavement; Watermain and valve; Drainage ditch; Sanitary sewer, MH; Sanitary forcemain; Gasmain and valve; Hydro duct, MH; Telephone duct, MH
Hydrant; Water air valve; Water blowoff; Water service; Catch basin, top inlet; Catch basin, side inlet; Catch basin, round; Drainage service; Drainage cleanout
Sanitary service; Sanitary cleanout; Utility pole(joint pole); Utility pole with light; Streetlight, davit; Streetlight, post top; Comb signal pole; Traffic signal pole; Junction box
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3000 Guildford Way, Coquitlam, B.C. V3B 7N2

Scale horiz. 1:250 Scale vert. N/A
Sheet of 20 of 26
Eng. Project No. PROJ 25-015

Project: BURKE MOUNTAIN ATHLETIC PARK
Description: STORM SERVICING PLAN - FOUNDATION DRAINAGE
File: 18-264A

0 2 1:250 12m

Plot Date: May 5, 2025

M:\SUR–LD\2018\18–264A\DWG\ONSITE PRODUCTION\18–264A – FOUNDATION DRAINAGE PLAN DETAILS.dwg 2025 – 11:45am May 05

ALL JOINTS AS PER EBAA AND UNIFLANGE OR APPROVED EQUIVALENT

CONTRACTOR TO CONFIRM LOCATION, SIZE, MATERIAL & INVERT OF EXISTING SERVICES PRIOR TO CONSTRUCTION & REPORT DISCREPANCIES TO ENGINEER OF RECORD

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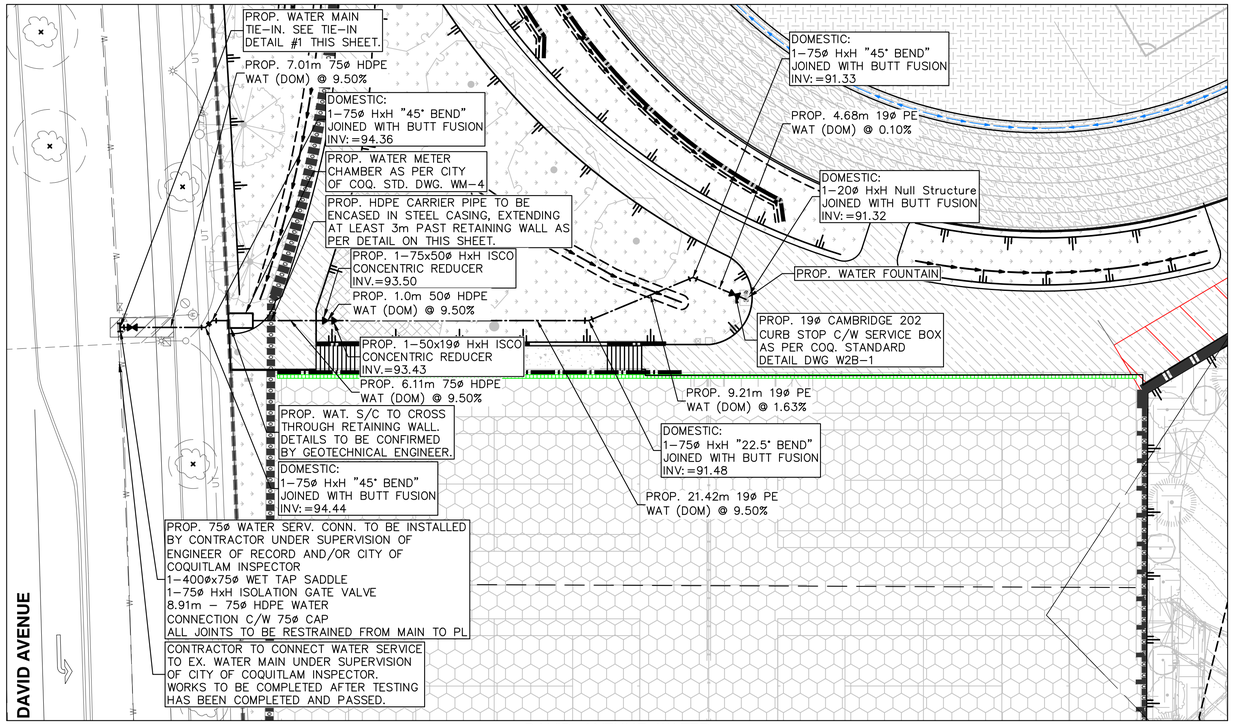
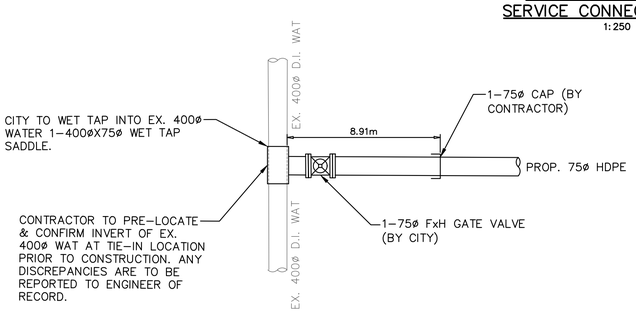
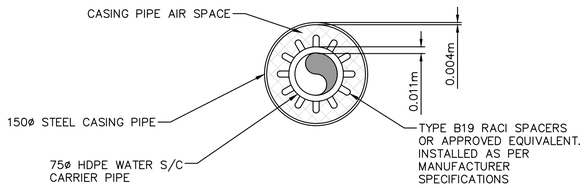


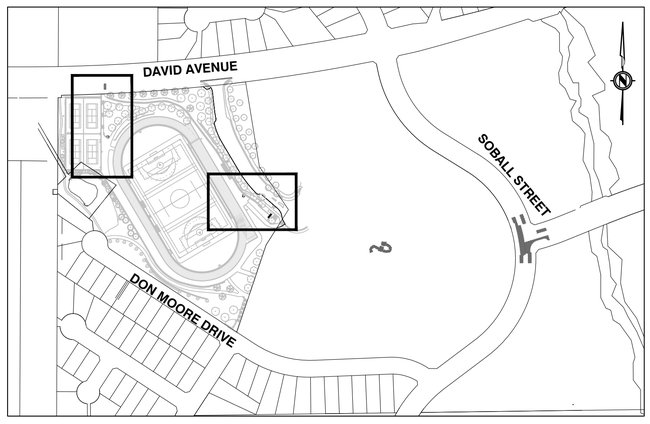
DAVID AVENUE WATER SERVICE CONNECTION PLAN
1:250



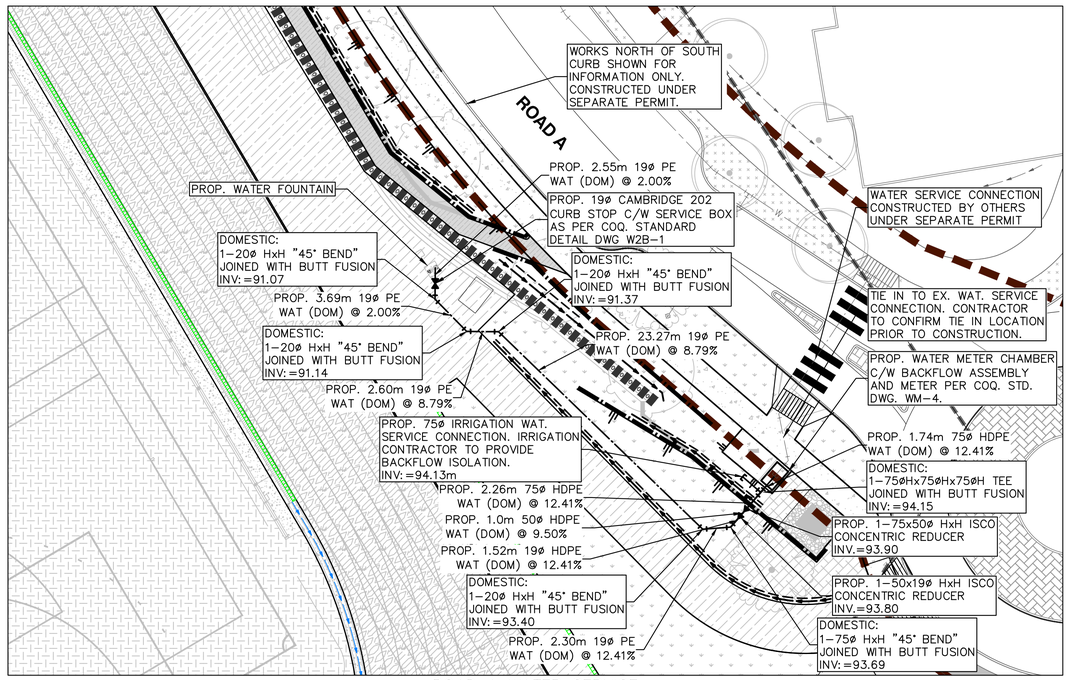
TIE-IN DETAIL #1
N.T.S.



WATER PIPE CASING DETAIL- RET. WALL CROSSING
N.T.S.



SITE LOCATION PLAN
1:3000



ROAD A WATER SERVICE CONNECTION PLAN
1:250

WATERWORKS NOTES:

1. ALL OFF-SITE CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF COQUITLAM SUBDIVISION AND DEVELOPMENT SERVICING BYLAW NO. 3558, 2003 AS AMENDED FEBRUARY 2019 AND THE APPLICABLE CITY OF COQUITLAM SUPPLEMENTARY SPECIFICATIONS AND DETAILED DRAWINGS TO MMCD 2019 EDITION.
2. ALL WATER & BEDDING MATERIALS TO MEET MASTER MUNICIPAL CONTRACT DOCUMENTS (MMCD) & BRITISH COLUMBIA PLUMBING CODE 2024 REQUIREMENTS.
3. ALL EXISTING VALVE BOXES AND LIDS IN LIMITS OF WORK TO BE ADJUSTED TO SUIT PROPOSED SURFACE.
4. CONTRACTOR TO CONFIRM LOCATIONS & SIZES OF ALL EXISTING SERVICES PRIOR TO CONSTRUCTION AND ENSURE CIVIL DRAWINGS MATCH OTHER CONTRACT DRAWINGS. ANY DISCREPANCIES MUST BE REPORTED TO BOTH ENGINEERS IMMEDIATELY.
5. ALL WATERMAINS TO HAVE MINIMUM 0.9m COVER.
6. FOR TYPICAL UTILITY TRENCH SECTION DETAIL REFER TO MMCD STANDARD DRAWING G4.
7. TESTING AND CHLORINATION IS THE RESPONSIBILITY OF THE CONTRACTOR. TESTING RESULTS TO BE APPROVED PRIOR TO PROCEEDING WITH ANY TIE-INS.
8. TIE-INS TO BE COMPLETED BY CONTRACTOR UNDER SUPERVISION OF ENGINEER OF RECORD AND/OR CITY OF COQUITLAM INSPECTOR.
9. SYSTEM TEST PRESSURES SHALL BE A MINIMUM OF 1.5 TIMES THE MAXIMUM OPERATING PRESSURE OR 225psi WHICHEVER IS HIGHER.
10. ALL CAPS TO BE DIMENSIONED TO PROPERTY LINE FOR AS-BUILT SUBMISSION.
11. SCHEDULE 40 & 80 PIPE IS NOT PERMITTED.
12. FIRE LINE TO BE AWWA C900 PVC DR18 OR APPROVED EQUAL.
13. DOMESTIC WATERMAINS TO BE HDPE DR9 IN COMPLIANCE WITH AWWA C901 OR APPROVED EQUIVALENT AND CERTIFIED TO CAN/CSA B137.1
14. BUTT FUSION FITTINGS SHALL BE MADE OF HDPE MATERIAL WITH A MIN. MATERIAL DESIGNATION CODE OF PE4710. BUTT FUSION FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM D3261 AND CERTIFIED TO SERIES 200 OF CAN/CSA B137.1
15. ALL HDPE FITTINGS SHALL MEET THE REQUIREMENTS OF AWWA C906.
16. PIPE DEFLECTION FOR PVC PIPES AT JOINTS SHALL NOT BE MORE THAN 2.5°
17. THE CONTRACTOR SHALL INFORM THE ENGINEER AND CITY OF COQUITLAM A MINIMUM OF 48 HOURS PRIOR TO REQUIRED INSPECTIONS.
18. AT THE END OF CONSTRUCTION, CONTRACTOR TO PROVIDE MARKED-UP RECORD DRAWINGS TO THE ENGINEER C/W CONFIRMED LOCATIONS AND ELEVATIONS OF INSTALLED UTILITIES.

GENERAL NOTES:

1. CONTRACTOR SHALL EXPOSE ALL UTILITY CROSSINGS AND ALL TIE-IN LOCATIONS TO VERIFY LOCATION AND ELEVATION MINIMUM 4 BUSINESS DAYS PRIOR TO WATER MAIN CONSTRUCTION. ANY CONFLICTS OR DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IN WRITING IMMEDIATELY.
2. THE CONTRACTOR SHALL MAINTAIN ALL MUNICIPAL ROADS PROVIDING ACCESS TO THE CONSTRUCTION SITE AND ARRANGE FOR DAILY STREET CLEANING DURING TIMES OF CONSTRUCTION OR MORE OFTEN, IF REQUIRED.
3. THE CONTRACTOR MUST CONTACT THE ENGINEER PRIOR TO CONSTRUCTION TO SCHEDULE AN ON-SITE PRE-CONSTRUCTION MEETING DURING WHICH CONSTRUCTION METHODS, TIMING, AND INSPECTION WILL BE DISCUSSED.
4. CONTRACTOR TO USE LOW IMPACT CONSTRUCTION METHODS AND TO CONTACT ARBORIST FOR SUPERVISION WHEN COMPLETING WORK AROUND TREES.
5. CONTRACTOR IS TO RESTORE ANY AND ALL WALKWAYS, PAVEMENTS, DRIVEWAYS, FENCING, AND LANDSCAPING DISTURBED DURING THE COURSE OF CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER AND CITY.

EGBC Permit to Practice #1001018

2025-05-05

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

No.	Date	By	Revisions
7	2025-05-05	RJB	ISSUED FOR RFP
6	2025-04-24	RJB	REISSUED FOR RFP REVIEW
5	2025-01-17	RJB	ISSUED FOR RFP REVIEW
4	2024-12-16	RJB	ISSUED FOR 100% REVIEW
3	2024-11-28	RJB	ISSUED FOR 85% REVIEW
2	2024-07-10	RJB	ISSUED FOR ALTERNATIVE COSTING
1	2024-05-08	RJB	ISSUED FOR 75% REVIEW

Design by ASB — Date MAY, 2024
Drawn by ASB — Date MAY, 2024
Checked by RJB — Date MAY, 2024
Approved by RJB — Date MAY, 2024

APLIN MARTIN
EGBC Permit to Practice Number #1001018
201 - 12448 82 Avenue, Surrey, B.C. V3W 3E9
Tel: (604) 597-0058, Fax: (604) 597-0061
Email: general@aplinmartin.com

ACCEPTED FOR CONSTRUCTION
Date:_____
Manager of Development Servicing

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

Scale horiz. 1:250 — Scale vert. N/A
Sheet of 21 of 26
Eng. Project No. PROJ 25-015

Project: BURKE MOUNTAIN ATHLETIC PARK
Description: WATER SERVICING PLAN
File: 18-264A

0 2 1:250 12m

Plot Date: May 5, 2025

GENERAL

1. UNDER THIS PLAN, ALL PERSONS INCLUDING BUT NOT LIMITED TO THE DEVELOPER, OWNER OF THE LAND, THE ENGINEER OF RECORD, ESC SUPERVISOR, CIVIL CONTRACTOR, CIVIL SUB–CONTRACTOR, BUILDER & BUILDING SUB–TRADES HEREIN AFTER REFERRED TO AS THE OWNER/DEVELOPER/PERSON RESPONSIBLE; ENGAGED ON SITE SHALL COMPLY WITH ALL REGULATORY REQUIREMENTS SPECIFIED BY FEDERAL, PROVINCIAL, AND MUNICIPAL AUTHORITIES; PERTAINING TO ON SITE MANAGEMENT AND DISCHARGE ASSOCIATED WITH EROSION AND SEDIMENT CONTROL REGULATIONS.
2. IN ACCORDANCE WITH THE CITY OF COQUITLAM MUNICIPAL EROSION CONTROL (ESC) BYLAW, THE ESC PERMIT (THE PERMIT) OF WHICH THIS PLAN FORMS PART THEREOF; DEEMS THE PERMIT HOLDER ULTIMATELY RESPONSIBLE FOR THE SITE ACTIVITIES THAT RESULT IN A BREACH OF COMPLIANCE WITH THE BYLAW FOR THE DURATION OF THE PERMIT.
3. THE CONTRACTOR RESPONSIBLE SHALL ENSURE THAT ALL CONSTRUCTION ACTIVITIES ARE UNDERTAKEN IN A MANNER THAT ENSURE THE BEST MANAGEMENT PRACTICES ARE IMPLEMENTED TO PREVENT AND CONTAIN ON–SITE SILT LADEN RUNOFF FROM ENTERING DOWNSTREAM DRAINAGE INFRASTRUCTURE AND AQUATIC SYSTEMS.
4. THE ESC SUPERVISOR SPECIFIED UNDER THE ESC PERMIT IS RESPONSIBLE TO MONITOR, INSPECT AND REPORT TO THE DEVELOPER, CONTRACTOR, AND THE CITY ON EROSION AND SEDIMENT FACILITIES & SITE DISCHARGE PERFORMANCE IN ACCORDANCE TO THE CITY'S SEDIMENT CONTROL POLICIES.
5. THE CONTRACTOR RESPONSIBLE MUST COMPLY WITH THE ESC PLAN WITHIN THE SPECIFIED TIMEFRAME, AND COMPLY WITH ALL INSTRUCTIONS ISSUED BY THE ESC SUPERVISOR TO RECTIFY DEFICIENCIES THAT RESULT IN NON–COMPLIANCE WITH THE PERMIT.
6. ALL SITE AND/OR LOT ACCESS FROM DISTURBED AREAS TO PAVED SURFACES IS TO BE RESTRICTED TO SPECIFIED ACCESS FACILITIES TO LIMIT THE TRANSPORT OF SEDIMENT ONTO ROADWAYS. DURING THE BUILDING PHASE, VEHICLE ACCESS TO THE DISTURBED AREAS IS TO BE LIMITED TO GRAVEL PADS ONLY.
7. ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE IN COMPLIANCE WITH:
   – CITY OF COQUITLAM SUBDIVISION AND DEVELOPMENT SERVICING BYLAW NO. 3558, 2003 AS AMENDED OCTOBER 2021 AND STREAM AND DRAINAGE SYSTEM PROTECTION BYLAW NO. 4403, 2013.
   – SPECIFICATIONS FOR ESC IN APPLICABLE CONTRACT DOCUMENTS.
   – MINISTRY OF ENVIRONMENTAL AND FEDERAL FISHERIES REQUIREMENTS.
8. A PRE–DEVELOPMENT APPROVAL MEETING WILL BE REQUIRED PRIOR TO CONSTRUCTION OR ANY SITE EARTHWORKS COMMENCING. CONTACT WENDY ARSENEAULT, ENVIRONMENTAL SERVICES & WORKSITE BYLAW OFFICER AT 604–927–4301 OR VIA EMAIL ESCTEAM@COQUITLAM.CA 72 HOURS PRIOR TO CONSTRUCTION

MAINTENANCE ALL STAGE (AS REQUIRED)

1. ALL INSPECTIONS/MONITORING TO BE CARRIED OUT BY ENGINEER OF RECORD OR ESC SUPERVISOR UP TO THE EXPIRY OF THE PERMIT.
2. UPON INSTRUCTION/NOTIFICATION BY THE ENGINEER OF RECORD OR ESC SUPERVISOR; THE CONTRACTOR IS REQUIRED TO UNDERTAKE MAINTENANCE ACTIVITIES AS DEEMED SPECIFIED TO MODIFY OR MAINTAIN ESC FACILITIES.
3. ALL CATCH BASIN FILTER SOCKS ARE TO BE INSPECTED DAILY OR FOLLOWING STORM EVENTS, INLINE FILTERS ARE TO BE REMOVED AND CLEANED AT 40% CAPACITY.
4. CONSTRUCTION ACTIVITIES ARE TO BE STOPPED AND MAINTENANCE UNDERTAKEN IF WEATHER CONDITIONS OR GRAVEL ACCESS PAD, OR OTHER SITUATION ALLOW EXCESSIVE CONSTRUCTION MATERIAL TO BE DEPOSITED ON THE ROAD SURFACES.
5. GRAVEL ACCESS PADS TO BE INSPECTED DAILY TO ENSURE FUNCTIONALITY, ADD ADDITIONAL ROCK AS REQUIRED.
6. THE CONTRACTOR MUST REGULARLY CLEAN PAVED ROAD SURFACES OF ACCUMULATED SEDIMENTS AT THE END OF EACH DAY OR AS REQUIRED, NO SOIL, SAND OR OTHER MATERIAL WITH HIGH SEDIMENT CONTENT SHALL BE DEPOSITED OR PILED OUTSIDE OF THE PROPERTY BOUNDARIES, PARTICULARLY ON PAVED ROAD SURFACES.
7. SEDIMENT FENCES/BARRIERS TO BE INSPECTED AND REPAIRED PRIOR TO EXPECTED RAIN EVENTS AND FOLLOWING ALL SIGNIFICANT STORM EVENTS OR PERIODS OF EXTENDED RAIN; ACCUMULATED SEDIMENTS GREATER THAN 30% OF THE FENCE CAPACITY OR DEFICIENCIES SHOULD BE DEALT WITH ACCORDINGLY.
8. ALL SEDIMENT FROM ESC CONTROL FACILITIES TO BE DISPOSED OFF IN A MANNER AS TO NOT COMPOUND OR COMPROMISE THE SEDIMENT LOADING OF OTHER CONTROL MEASURES.
9. LOCATION OF CITY RAIN GAUGE: BURKE MOUNTAIN
   SITE SOIL COMPOSITION: SOIL PROFILE INCLUDES LOOSE FOREST LITTER AND TOPSOIL OVER A LAYER OF ORGANIC RICH SANDS, OVERLAYING SAND AND GRAVEL, THEN DENSE TO VERY DENSE SILTY AND GLACIAL TILL – TO BE CONFIRMED BY GEOTECHNICAL CONSULTANT
10. STREETS ARE TO BE SWEPT (NOT FLUSHED) TO ENSURE THAT MINIMUM DEBRIS ENTERS THE STORM DRAINAGE SYSTEMS.

UTILITY AND ROADWORKS INSTALLATION STAGE

1. CONTRACTOR TO INSTALL TEMPORARY SEDIMENT AND CONTROL MEASURES AS SPECIFIED IN THE APPROVED ESC PLAN AND AS DIRECTED BY THE ESC SUPERVISOR.
2. CONTRACTOR TO INSTALL ADDITIONAL SEDIMENT FENCING AS INDICATED ON THE ESC PLAN AND AS DIRECTED BY THE ESC SUPERVISOR OR ENGINEER–OF–RECORD.
3. ALL ACCESS TO AND FROM SITE TO BE FROM THE RESTRICTED ENTRY–EXIT POINTS.
4. ESC SUPERVISOR TO CONDUCT MONITORING AS PER THE CITY OF COQUITLAM MONITORING AND REPORTING REQUIREMENTS.
5. CONTRACTOR TO ENSURE THAT ESC MEASURES ARE WELL MAINTAINED, CLEARED, REPAIRED, OR REPLACED AS REQUIRED.
6. CATCH/LAWN BASINS COMPLETE WITH PROTECTIVE MEASURES ARE TO BE INSTALLED BY THE CONTRACTOR AT THE FIRST OPPORTUNITY.
7. CONTRACTOR TO CO–ORDINATE THE ELIMINATION OF TEMPORARY ESC FACILITIES IF THEY ARE NO LONGER REQUIRED OR TO FACILITATE SITE OPERATIONS WITH THE ESC SUPERVISOR. ADDITIONAL ESC FACILITIES MAY NEED TO BE INSTALLED AS PER THE DIRECTION OF THE ESC SUPERVISOR.

EARTHWORKS STAGE

1. GENERAL CONTRACTOR TO ENSURE THAT STORMWATER CONVEYANCE CHANNELS AND DISCHARGE POINTS TO ADJACENT STREAMS, DITCHES, OR ENTRY POINTS TO BE PIPED NETWORKS, ARE ADEQUATELY PROTECTED.
2. CONTRACTOR TO ENSURE THAT ESC FACILITIES SPECIFIED IN THE ESC PLAN OR ANY ADDENDUMS ARE IMPLEMENTED ACCORDINGLY.
3. AFTER FINAL LOT GRADING IS COMPLETED ALL DISTURBED AREAS ARE TO BE PROTECTED AS PER THE ESC PLAN.
4. CONTRACTOR TO CO–ORDINATE THE ELIMINATION OF TEMPORARY FACILITIES AS THEY ARE NO LONGER REQUIRED; WITH THE ESC SUPERVISOR. ADDITIONAL ESC FACILITIES MAY NEED TO BE INSTALLED AS PER THE DIRECTION OF THE ESC SUPERVISOR.
5. AT FINAL SITE INSPECTION PRIOR TO THE SITE GOING ON–MAINTENANCE; ESC SUPERVISOR IN ASSOCIATION WITH DRAINAGE AND ENVIRONMENT STAFF TO INSPECT AND SIGNOFF ON ESC MEASURES PRIOR TO THE SITE GOING ON–MAINTENANCE.
6. DEVELOPER TO RETAIN THE SERVICES OF THE ESC SUPERVISOR UNTIL 100% OF ALL ONSITE CONSTRUCTION INCLUDING LANDSCAPING OF THE LOTS HAS BEEN COMPLETED. THE ESC PERMIT WILL BE IN FULL FORCE AND EFFECT DURING THIS PERIOD.

ESC MONITORING NOTES

1. THE OWNER IS TO RETAIN AN ESC MONITOR TO INSPECT ALL ESC FACILITIES, TEST WATER QUALITY AT THE DESIGNATED TESTING POINTS, AND RECOMMEND NEW ESC MEASURES AND/OR MAINTENANCE REQUIREMENTS. ALL DISCHARGE TO MEET THE PH REQUIREMENT RANGE OF 6.5 TO 8.0 AND TURBIDITY NOT EXCEEDING 25 NTU, EXCEPT DURING AND FOR 24 HOURS FOLLOWING A SIGNIFICANT RAINFALL EVENT, A DISCHARGE SHALL NOT EXCEED 100 NTU. ALL RESULTS ARE TO BE SUBMITTED TO THE CITY OF COQUITLAM AS WELL AS THE APPROPRIATE FEDERAL AND PROVINCIAL AGENCIES.
2. IF DURING ANY CONSTRUCTION WORK, ANY WASTE, DELETERIOUS SUBSTANCE, OR WATER THAT EXCEEDS THE LIMITS OUTLINED IN S.3.4. IS BEING RELEASED DIRECTLY OR INDIRECTLY INTO THE DRAINAGE SYSTEM, OR OTHERWISE IMPEDES THE DRAINAGE SYSTEM AS DESCRIBED IN S.3.1. THE CONTRACTOR PERFORMING THE WORK MUST IMMEDIATELY NOTIFY THE CITY, AS WELL AS THE APPROPRIATE FEDERAL AND PROVINCIAL AGENCIES.
3. MAINTENANCE/MONITORING PROGRAM WILL BE COORDINATED BY:
   INDIVIDUAL: MARK BOSTON, BC–CESCL
   COMPANY: APLIN & MARTIN CONSULTANTS LTD.
   COMPANY PHONE NUMBER: 604–329–0906
   EMAIL ADDRESS: MBOSTON@APLINMARTIN.COM
4. A RECORD OF MAINTENANCE PROCEDURES ARE TO BE FILED WITH THE CITY OF COQUTILAM.
5. ENVIRONMENTAL MONITORING BY A QUALIFIED ENVIRONMENTAL PROFESSIONAL MUST BE CONDUCTED AT A MINIMUM, WEEKLY DURING WET SEASON (OCTOBER 15 TO MAY 15), BI–WEEKLY DURING DRY SEASON (MAY 16 TO OCTOBER 14). ENVIRONMENTAL MONITORING SHALL ALSO BE CONDUCTED 48 HOURS PRIOR, DURING, AND 24 HOURS AFTER A SIGNIFICANT RAINFALL EVENT, TO ENSURE THAT THE ESC MEASURES ARE WORKING EFFECTIVELY AND THAT THERE IS NO OFF–SITE DISCHARGE OF SEDIMENT–LADEN WATER INTO CITY DRAINAGE INFRASTRUCTURE OR WATERCOURSES.
6. MINIMUM REPORTING FREQUENCY WILL BE BI–WEEKLY DURING THE WET SEASON (OCTOBER 15 TO MAY 15), MONTHLY DURING THE DRY SEASON (MAY 16 TO OCTOBER 14), AND WITHIN SEVEN (7) DAYS OF A SIGNIFICANT RAINFALL EVENT.
7. INSPECTION OF ESC MEASURES, ASSESSMENT OF INSTALLED ESC MEASURES AND RECOMMENDATIONS OF MAINTENANCE AS REQUIRED.
8. FAILURE TO REPORT WILL RESULT IN ISSUANCE OF A STOP WORK ORDER.

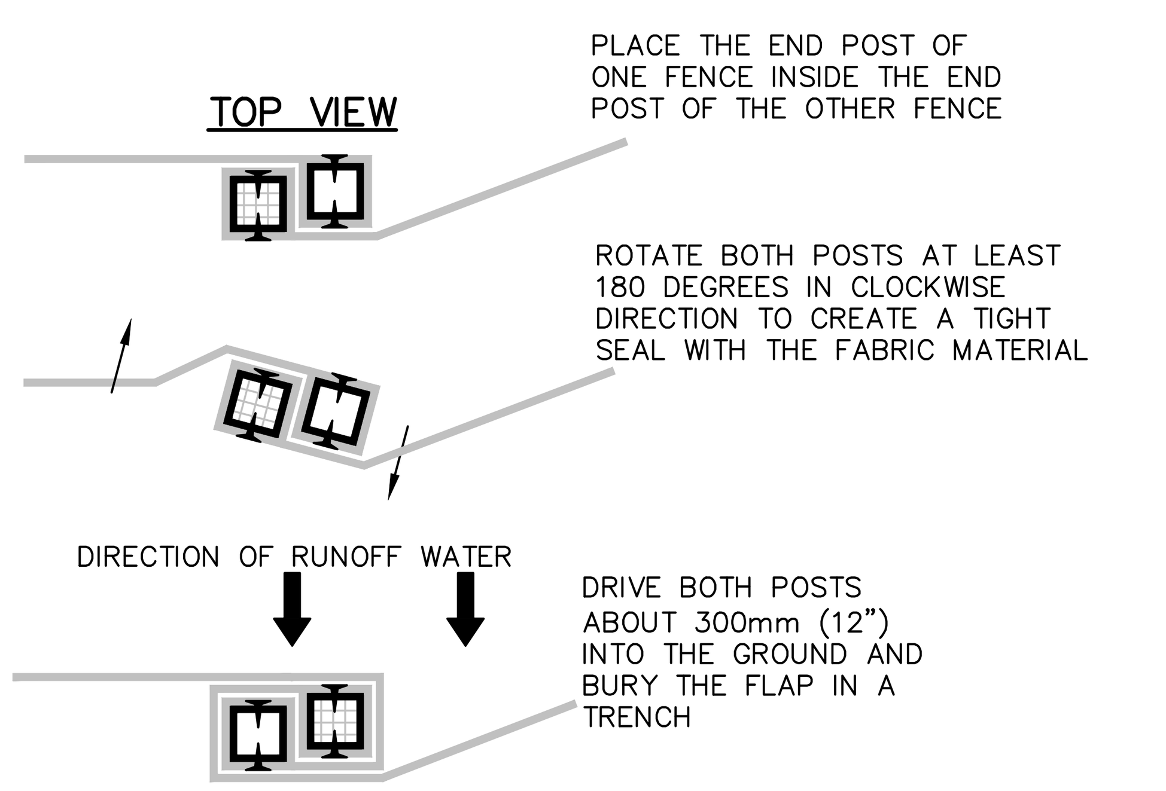
CONSTRUCTION NOTES

1. ALL CONSTRUCTION ACTIVITIES ARE TO BE UNDERTAKEN IN ACCORDANCE WITH THE CITY OF COQUITLAM STREAM AND DRAINAGE SYSTEM PROTECTION BYLAW No. 4403, 2013.
2. CONTRACTOR TO INSTALL ALL EROSION AND SEDIMENT CONTROL (ESC) MEASURES INCLUDING CATCH BASIN (CB) FILTER INSERTS, SILT FENCES, TREE PROTECTION FENCES OR ANY OTHER FACILITY DEEMED NECESSARY BY THE ESC DESIGNER OR MONITOR.
3. ALL VEHICULAR ACCESS TO THE SITE IS TO BE VIA EXISTING ROADS AND CLEAN GRAVEL SURFACES.
4. ALL EXCAVATION, STOCKPILING, AND GRADING TO OCCUR IN A MANNER THAT MINIMIZES DISTURBANCE TO EXISTING VEGETATION.
5. ALL ASPHALT PATCHING TO BE COMPLETED THE SAME DAY AS SERVICING.
6. ANY EXCAVATION SPOIL AND/OR MATERIAL STOCKPILES ARE TO BE COVERED WITH POLY TO MINIMIZE THE WASHING OF PARTICLES INTO THE STORM FLOWS AND/OR STORM SEWER SYSTEM. PILES SHOULD BE COVERED WITH 4mm POLY LAPPED MINIMUM 0.5m. ALL POLY IS TO BE ANCHORED SUCH THAT IT CANNOT EXPOSE THE COVERED MATERIAL IN THE EVENT OF RAIN AND/OR WIND STORMS. THIS WILL INCLUDE, BUT NOT BE LIMITED TO, SECURING THE PERIMETER IN 0.3m TRENCHES.
7. ALL GROUND SURFACES EXPOSED DURING GRADING, SERVICING OR ROAD BUILDING ARE TO BE COMPACTED WITH A STEEL DRUMMED ROLLER TO ENSURE THAT THE SOIL DOES NOT ABSORB EXCESS MOISTURE. ALL AREAS DISTURBED ARE TO BE GRADES SUCH THAT THE FOLLOWING COMPACTING, NO PUDDLES OR STANDING WATER CAN FORM. UPON COMPLETION OF GRADING ALL EXPOSED SURFACES ARE TO COVERED USING HYDROSEED, SOD OR ROLLED EROSION CONTROL PRODUCT (RECP) WITH SEED, OR WHAT ESC SUPERVISOR INDICATES.
8. UPON INSTRUCTION/NOTIFICATION BY THE ENGINEER OF RECORD OR ESC SUPERVISOR; THE CONTRACTOR IS REQUIRED TO UNDERTAKE MAINTENANCE ACTIVITIES AS DEEMED SPECIFIED TO MODIFY OR MAINTAIN ESC FACILITIES.
9. THE CONTRACTOR MUST REGULARLY CLEAN PAVED ROAD SURFACES OF ACCUMULATED SEDIMENTS AT THE END OF EACH DAY OR AS REQUIRED. NO SOIL, SAND OR OTHER MATERIAL SHALL BE DEPOSITED OR PILED OUTSIDE OF THE PROPERTY BOUNDARIES, PARTICULARLY ON PAVED ROAD SURFACES.
10. ALL SEDIMENT REMOVED FROM ESC CONTROL FACILITIES TO BE DISPOSED OF IN A MANNER AS TO NOT COMPOUND OR COMPROMISE THE SEDIMENT LOADING OF OTHER CONTROL MEASURES.
11. ALL EXPOSED SOILS ARE TO BE SUITABLE COVERED OR ALTERNATIVELY KEPT DAMP TO PREVENT EXCESS DUST IN THE AIR.
12. WET WEATHER SHUT DOWN PROCEDURES ARE TO BE IMPLEMENTED IF A RAIN EVENT IN EXCESS OF 25mm IN A 24–HOUR PERIOD IS FORECAST. ADDITIONALLY., REACTIVE WET WEATHER SHUT DOWNS ARE TO BE IMPLEMENTED WHERE THE INTENSITY AND/OR DURATION OF THE PRECIPITATION RESULTS IN THE SATURATION OF THE OVERLAYING SURFACE MATERIAL AND SIGNIFICANT PONDING OR SURFACE RUN.
13. SITE SIGNAGE REQUIRED TO IDENTIFY ESC FACILITIES, 24–HR CONTACT INFORMATION FOR ESC SUPERVISOR, AND CITY SITE ADDRESS AND PERMIT NUMBER.

I, THE ESC SUPERVISOR, HEREBY CERTIFY THAT I HAVE REVIEWED THIS ESC PLAN.

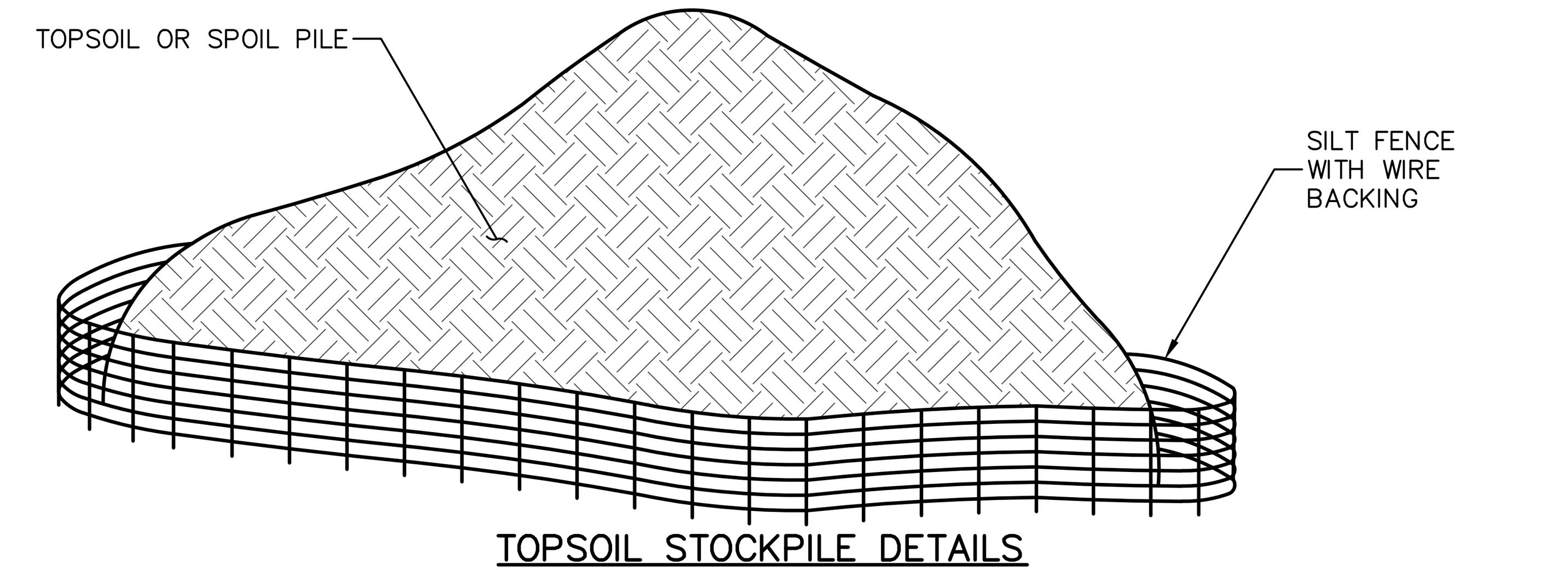
ESC SUPERVISOR: JOHN BENNIE, P.ENG PH: 604–597–9058 X211

ESC MONITOR: MARK BOSTON, BC–CESCL PH: 604–597–9058

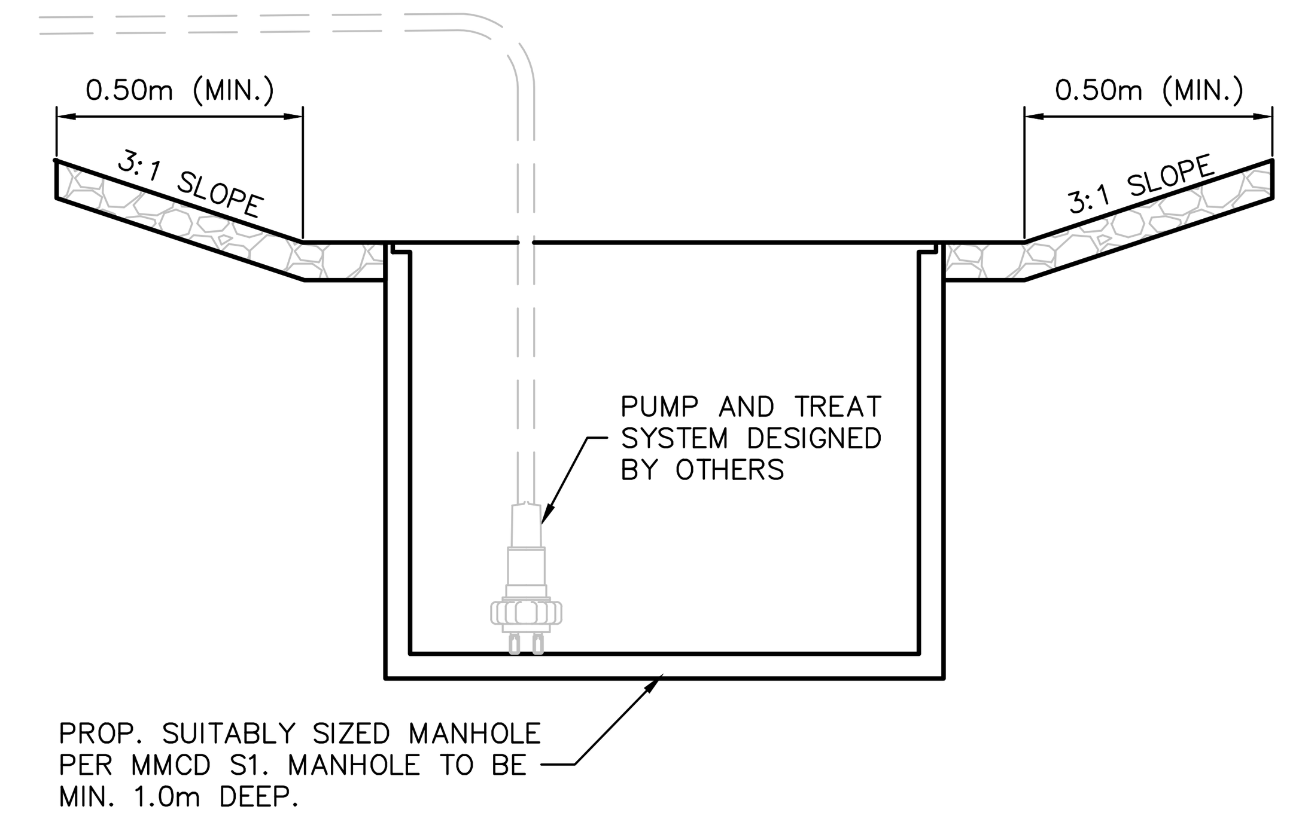


ATTACHING TWO SILT FENCES WHEN TRENCHING IS USED

NOTES:
1. STOCKPILE AREA (AS REQUIRED) TO BE COVERED WITH POLY SHEETING AND HAVE SILT FENCE INSTALLED AROUND PERIMETER AS DETAILED BELOW.
2. LOCATION OF STOCKPILE TO BE ADJUSTED WITH SITE CONSTRUCTION SITE PROGRESS
3. PILES CONTAINING MORE THAN 100 CUBIC METERS OF TOPSOIL OR SPOIL SHALL BE LOCATED A MINIMUM OF 15 METERS FROM A ROADWAY, WATERCOURSE OR CHANNEL.
4. PILES LEFT IN PLACE FOR MORE THAN 14 DAYS SHALL BE STABILIZED WITH A TARP, MULCH, VEGETATIVE COVER OR OTHER ACCEPTABLE MEANS.

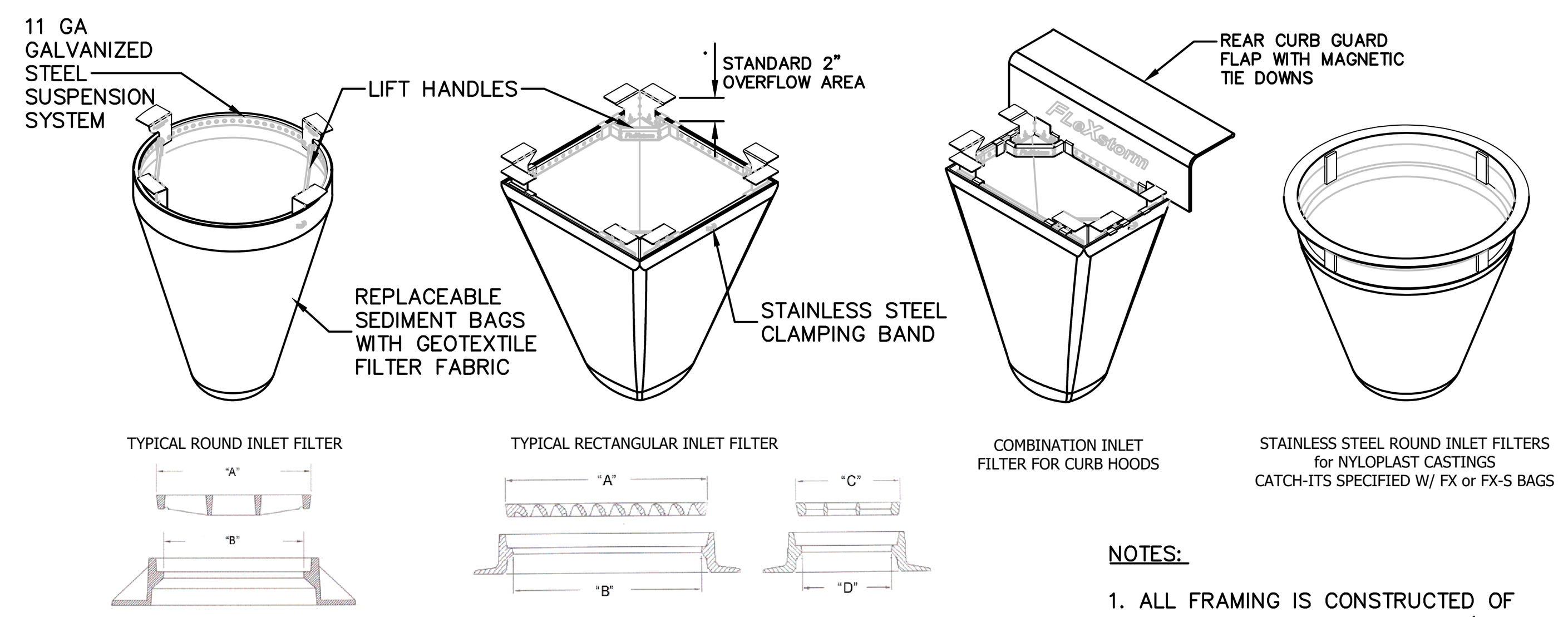


TOPSOIL STOCKPILE DETAILS
N.T.S.



SUMP DETAIL
N.T.S.

FLEXSTORM CATCH–IT FILTERS FOR TEMPORARY INLET PROTECTION
PRODUCT SELECTION AND SPECIFICATION DRAWING



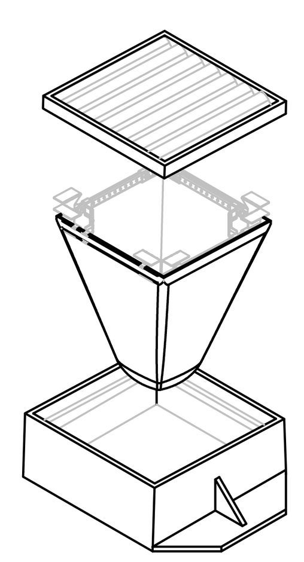
SPECIFICATIONS FOR STANDARD BAGS BY NOMINAL SIZE			
Nominal Bag Size	Solids Storage (CuFt)	Filtered Flow Rate at 50% Max (CFS) FX (Woven)	IL (NonWoven)
Small	1.6	1.2	0.9
Medium	2.1	1.7	1.3
Large	3.8	2.7	1.9
XL	4.2	3.6	2.6

1. INDENTIFY YOUR FRAME STYLE AND SIZE

STYLE	FRAME STYLE AND SIZE	Frame P/N:
ROUND	Small Round (up to 20.0" dia grates (A) dim)	62SRD
	Med Round (20.1" - 26.0" dia grates (A) up to 25" dia openings (B))	62MRD
	Large Round (26.1" - 32.0" dia grates (A) up to 30" openings (B))	62LRD
	XL Round (32.1" dia - 39" dia grates (A) up to 37" dia openings (B))	62XLRD
RECT/ SQUARE	Small Rect / Square (up to 16" (B) x 16" (D) openings or 64" perimeter)	62SSQ
	Med Rect / Square (up to 24" (B) x 24" (D) openings or 96" perimeter)	62MSQ
	Large Rect / Square (up to 36" (B) x 24" (D) openings or 120" perimeter)	62LSQ
	XL Rect / Square (side by side 2 pc set to fit up to 48" (B) x 36" (D) openings)	62XLSQ
COMBO INLETS	Small Rect / Square (ref Rect sizing; shipped with Magnetic Curb Flaps)	62SCB
	Med Rect / Square (ref Rect sizing; shipped with Magnetic Curb Flaps)	62MCB
	Large Rect / Square (ref Rect sizing; shipped with Magnetic Curb Flaps)	62LCB
	XL Rect / Square (ref Rect sizing; shipped with Magnetic Curb Flaps)	62XLCB
NYLOPLAST	12" diameter Nyloplast castings (Stainless Steel Framing standard)	6212NY
	15" diameter Nyloplast castings (Stainless Steel Framing standard)	6215NY
	18"diameter Nyloplast castings (Stainless Steel Framing standard)	6218NY
	24" diameter Nyloplast castings (Stainless Steel Framing standard)	6224NY
	30" diameter Nyloplast castings (Stainless Steel Framing standard)	6230NY

2. SELECT YOUR BAG PART NUMBER

FLEXSTORM FILTER BAGS	(22" depth) STD Bag P/N	(12" depth) Short Bag P/N	Clean Water Flow Rate (GPM/SqFt)	Min A.O.S. (US Sieve)
FX: Standard Woven Bag	FX	FX-S	200	40
IL: IDOT Non-Woven Bag	IL	IL-S	145	70



INSTALLATION:
1. REMOVE GRATE
2. DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
3. REPLACE GRATE

NOTES:
1. ALL FRAMING IS CONSTRUCTED OF CORROSION RESISTANT STEEL (ZINC PLATED OR GALVANIZED) FOR 7 YEAR MINIMUM SERVICE LIFE.
2. UPON ORDERING CONFIRMATION OF THE DOT CALLOUT, PRECAST OR CASTING MAKE AND MODEL, OR DETAILED DIMENSIONAL FORMS MUST BE PROVIDED TO CONFIGURE AND ASSEMBLE YOUR CUSTOMIZED FLEXSTORM INLET FILTER. PART NUMBER ALONE IS NOT SUFFICIENT.
3. FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT WWW.INLETFILTERS.COM

SEDIMENT CONTROL AT CATCH BASINS
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SIZE C | DWG NO IPP Flexstorm Specifications | REV A
SCALE | SHEET 1 OF 1

PROFESSIONAL · PROVINCE OF BRITISH COLUMBIA · R. J. BENNIE · #[illegible] · ENGINEER
EGBC Permit to Practice #1001018
2025-05-05

May 05 2025 – 11:46am M:\SUR–LD\2018\18–264A\DWG\ONSITE PRODUCTION\18–264A – ONSITE CONSTRUCTION ESC NOTES.dwg/22 ESC – NOTES Abrar

Edge of pavement	Hydrant	Sanitary service	Hydro Guy Wire
Watermain and valve (W)	Water air valve	Sanitary cleanout	Hydro Kiosk
Drainage sewer, MH (D)	Water blowoff	Utility pole(joint pole)	Vegetation Conifer
Drainage ditch	Water service	Utility pole with light	Vegetation Deciduous
Sanitary sewer, MH (S)	Catch basin, top inlet	Streetlight, davit	Vegetation Shrub
Sanitary forcemain (SFM)	Catch basin, side inlet	Streetlight, post top	Survey Traverse Hub
Gasmain and valve (G)	Catch basin, round	Comb signal pole	Survey Iron Pin
Hydro duct, MH (UE)	Drainage service	Traffic signal pole	Survey Lead Plug
Telephone duct, MH (T)	Drainage cleanout	Junction box	Survey Monument

No.	Date	By	Revisions
7	2025-05-05	RJB	ISSUED FOR RFP
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2	2024-07-10	RJB	ISSUED FOR ALTERNATIVE COSTING
1	2024-05-08	RJB	ISSUED FOR 75% REVIEW

Design by ASB	Date MAY, 2024
Drawn by ASB	Date MAY, 2024
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APLIN MARTIN
EGBC Permit to Practice Number #1001018
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Tel: (604) 597-9058, Fax: (604) 597-9061
Email: general@aplinmartin.com

ACCEPTED FOR CONSTRUCTION
Date:__________
Manager of Development Servicing

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

Scale horiz. N/A Scale vert. N/A
Sheet of 22 of 26
Eng. Project No. PROJ 25-015

Project
BURKE MOUNTAIN ATHLETIC PARK
Description
EROSION & SEDIMENT CONTROL NOTES
File: 18-264A

Plot Date: May 5, 2025

LEGEND

- SILT FENCE
- LOCK–BLOCK RETAINING WALL
- SECANT PILE RETAINING WALL
- INLET PROTECTION AT EX. CATCH BASINS AND LAWN BASINS
- INLET PROTECTION AT PROP. CATCH BASINS AND LAWN BASINS
- ESC MONITORING POINT (M)
- PROPOSED SUMP PUMP (P)
- OVERLAND FLOW DIRECTION
- CONSTRUCTION ENTRANCE PAD
- COIR MAT
- PROPOSED STRAW /HAY (4.5 TONNES/HECTARE)

NOTES: STAGE 1 – EARTHWORKS

SEDIMENT & EROSION CONTROL DURING THE CLEARING PHASE IS TO BE COMPLETED BY THE CONTRACTOR AS FOLLOWS:

1. ALL TRUCK TRAFFIC LEAVING SITE MUST EXIT THROUGH GRAVEL/COMMERCIAL PAD.
2. THE CONTRACTOR SHALL LIMIT TRAFFIC OVER THE SITE TO AREAS OF IMMEDIATE CONSTRUCTION ONLY, THROUGH THE USE OF HAUL ROADS AND MARKING OFF 'NO GO' AREAS WITH BARRIER FENCE.
3. TEMPORARY STOCKPILES OF EXCAVATED MATERIAL ARE TO BE PROTECTED WITH POLY SHEETING (OR SIMILAR) AND SURROUNDED BY SILT FENCE TO MINIMIZE SOIL EROSION DUE TO RAINFALL EVENTS AS PER DETAIL ON SHEET 22.
4. CONTRACTOR TO PROTECT EXISTING TREES AS NECESSARY IN ACCORDANCE WITH THE TREE PRESERVATION PLAN.

NOTE

PROP. TOTAL PRE–TREATMENT DETENTION VOLUME TO BE PROVIDED AS A COMBINATION OF TANKS AND PONDS

NOTE

ESC ADVISORY SIGN TO BE MAINTAINED AS REQUIRED UNTIL THE ESC PERMIT IS CLOSED.

NOTE

1. CONTRACTOR TO MAINTAIN ALL INSTALLED ESC FACILITIES AS NEEDED.
2. ESC FACILITIES TO BE ONLY REMOVED UPON ESC SUPERVISOR'S APPROVAL.

ESC HOLDING TANK & TREATMENT UNIT - CALCULATION SHEET			
MUN. PROJECT # :		A&M Project No:	18-264A
PROJECT TITLE:	Burke Mountain Athletic Park	Sheet:	1 of 1
		Date:	Jan-14-25
PROJECT		By:	SY
LOCATION:	3390 & 3400 David Avenue	Chk:	ASB

Treatment Unit Calculations

	Storm Duration min	Runoff coeffecient %	Area Ha	Intensity mm	n	Q cms
$Q_{T\ (10\ Year\ -\ 24hr)}$	**1440**	**0.70**	**3.25**	**6**	0.00278	**0.035**

Design Flow Calculations

	Tc min	Runoff coeffecient %	Area Ha	Intensity mm	n	Q cms
$Q_{D\ (10\ Year)}$	**30**	**0.70**	**3.25**	**29**	0.00278	**0.184**

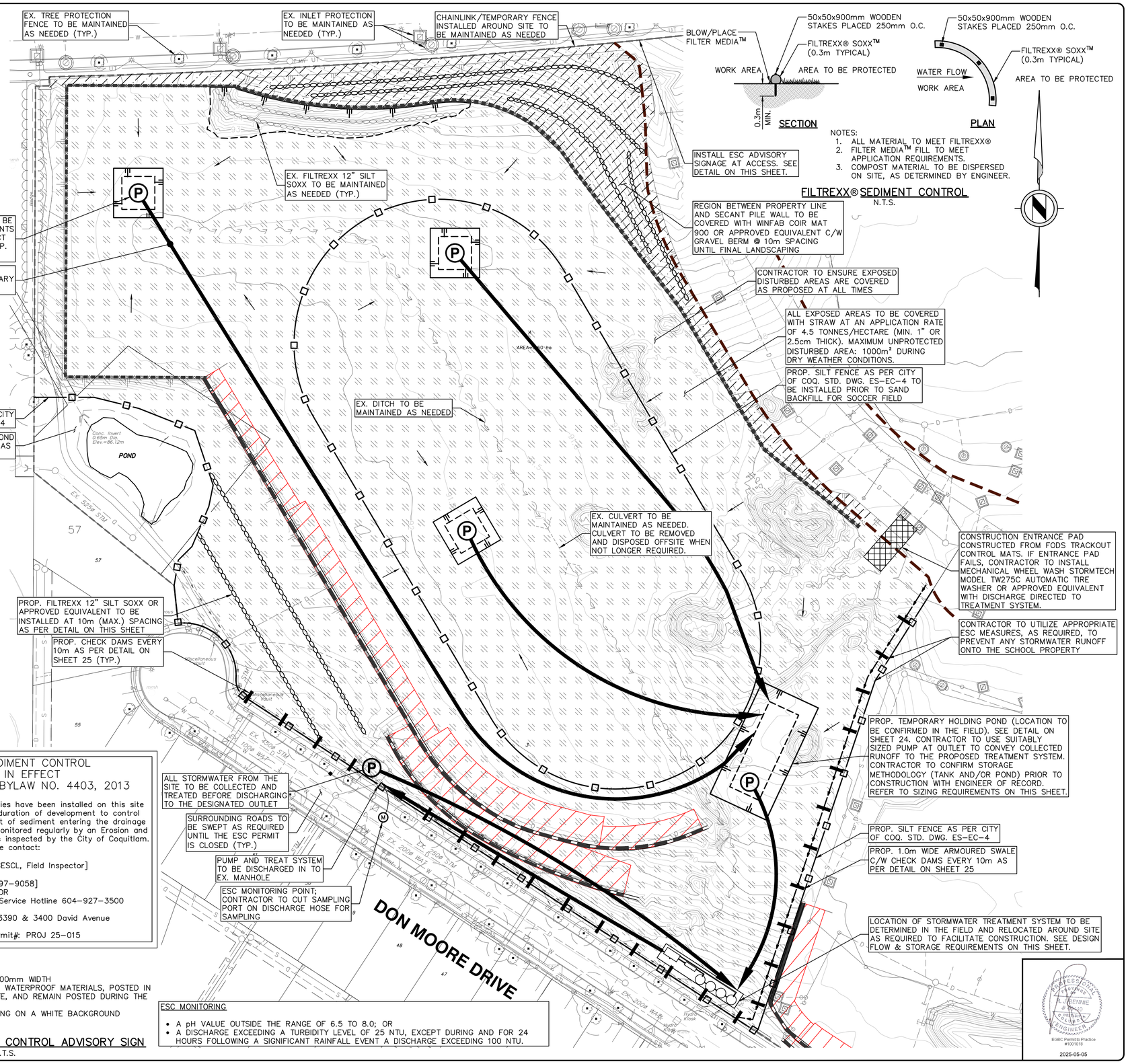
Holding Pond Volume Calculations (Modified Rational Method)

Storage Volume = $T_r (Q_{D2} - Q_T) + 0.5 \times T_c \times Q_T^2 (1/Q_{D2} - 1/Q_{D1})$

T_r = Duration of storm, in seconds
T_c = Time to concentration, in seconds
Q_{D1} = Peak flow for storm, $T_r = T_c$, cms
Q_{D2} = Peak flow for storm specified, cms
Q_T = Treatment unit flow rate, cms

Minimum Storage Required = **627 cm**
Min. Combined Volume of Sumps and Tank

Rainfall Duration Tr min	Rainfall Intensity I mm	Peak Flow Q_{p1} cms	Peak Flow Q_{p2} cms	Required Storage cm
200	13	**0.184**	**0.082**	**566**
250	12	**0.184**	**0.074**	**596**
300	11	**0.184**	**0.069**	**614**
350	10	**0.184**	**0.064**	**624**
400	10	**0.184**	**0.061**	**627**
450	9	**0.184**	**0.058**	**624**
500	9	**0.184**	**0.055**	**616**
550	8	**0.184**	**0.053**	**604**
600	8	**0.184**	**0.051**	**589**
650	8	**0.184**	**0.049**	**571**
700	8	**0.184**	**0.048**	**550**
750	7	**0.184**	**0.046**	**526**
800	7	**0.184**	**0.045**	**500**
850	7	**0.184**	**0.044**	**471**
900	7	**0.184**	**0.043**	**441**



Edge of pavement · Watermain and valve · Drainage ditch · Sanitary sewer, MH · Sanitary forcemain · Gasmain and valve · Hydro duct, MH · Telephone duct, MH
Hydrant · Water air valve · Water blowoff · Water service · Catch basin, top inlet · Catch basin, side inlet · Drainage service · Drainage cleanout
Sanitary service · Sanitary cleanout · Utility pole(joint pole) · Utility pole with light · Streetlight, davit · Streetlight, post top · Comb signal pole · Traffic signal pole · Junction box
Hydro Guy Wire · Hydro Kiosk · Vegetation Conifer · Vegetation Deciduous · Vegetation Shrub · Survey Traverse Hub · Survey Iron Pin · Survey Lead Plug · Survey Monument

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

Scale horiz. 1:500 Scale vert. N/A
Sheet of 23 of 26
Eng. Project No. PROJ 25-015

Project: BURKE MOUNTAIN ATHLETIC PARK
Description: EROSION & SEDIMENT CONTROL STAGE 1 - EARTHWORKS
File: 18-264A

EGBC Permit to Practice #1001018
2025-05-05

0 5 1:500 25m

Plot Date: May 5, 2025

LEGEND

- SILT FENCE
- LOCK–BLOCK RETAINING WALL
- SECANT PILE RETAINING WALL
- INLET PROTECTION AT EX. CATCH BASINS AND LAWN BASINS
- INLET PROTECTION AT PROP. CATCH BASINS AND LAWN BASINS
- ESC MONITORING POINT (M)
- PROPOSED SUMP PUMP (P)
- OVERLAND FLOW DIRECTION
- CONSTRUCTION ENTRANCE PAD
- COIR MAT
- PROPOSED STRAW /HAY (4.5 TONNES/HECTARE)
- FILTREXX 12" SILT SOXX

NOTES: STAGE 2 – SITE UTILITIES

SEDIMENT & EROSION CONTROL DURING THE CONSTRUCTION OF THE UNDERGROUND UTILITY PHASE IS TO BE COMPLETED BY THE CONTRACTOR AS FOLLOWS:

1. AFTER INSTALLATION OF THE CB'S, "FLEXSTORM" OR APPROVED EQUIVALENT CB SURROUNDS SHALL BE INSTALLED AROUND THE CB TO PREVENT SILT FROM ENTERING THE STORM SEWER SYSTEM. CLEAN AND REPLACE AS NECESSARY.
2. AFTER INSTALLATION OF SEDIMENT CONTROL FACILITIES, ESC MONITOR SHALL INSPECT THE SILTATION CONTROL FACILITIES TO ENSURE PROPER OPERATIONS. ESC MONITOR SHALL CONDUCT REGULAR INSPECTIONS OF THE SILTATION CONTROL FACILITIES.
3. STOCKPILES OF EXCAVATED MATERIAL ARE TO BE PROTECTED WITH 6mil–THICK POLYETHYLENE SHEETING (OR SIMILAR) AND SURROUNDED BY SILT FENCE TO MINIMIZE SOIL EROSION DUE TO RAINFALL EVENTS. SEE DETAIL ON SHEET 22.

NOTE

PROP. TOTAL PRE–TREATMENT DETENTION VOLUME TO BE PROVIDED AS A COMBINATION OF TANKS AND PONDS

NOTE

ESC ADVISORY SIGN TO BE MAINTAINED AS REQUIRED UNTIL THE ESC PERMIT IS CLOSED.

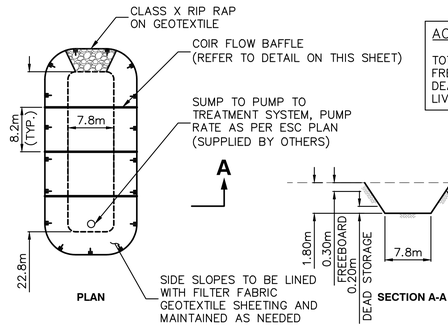
NOTE

1. CONTRACTOR TO MAINTAIN ALL INSTALLED ESC FACILITIES AS NEEDED.
2. ESC FACILITIES TO BE ONLY REMOVED UPON ESC SUPERVISOR'S APPROVAL.

CONTRACTOR TO INSTALL FILTREXX 12" SILT SOXX OR APPROVED EQUIVALENT FOR INLET PROTECTION OF TRENCH DRAINS (TYP.). SEE DETAIL ON SHEET 23.

SILT FENCE INSTALLED IN STAGE 1 TO BE MAINTAINED AS NEEDED

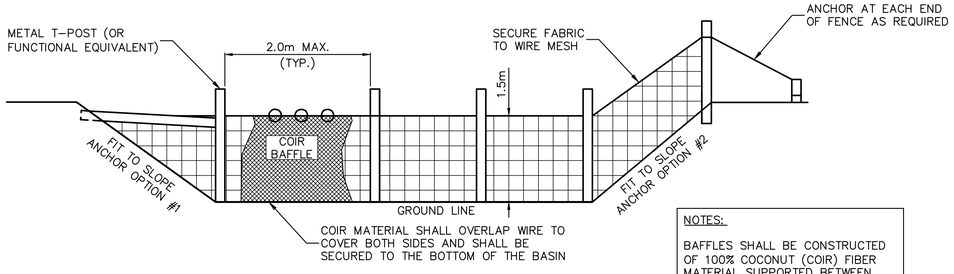
AREA AROUND EX. POND TO BE NATURALIZED AS SOON AS POSSIBLE



TEMPORARY HOLDING POND
N.T.S.

ACHIEVED POND VOLUMES:

TOTAL VOLUME = 565.06m³
FREEBOARD VOLUME = 127.12m³
DEAD STORAGE VOLUME = 35.57m³
LIVE STORAGE VOLUME = 402.37m³



FLOW BAFFLE DETAIL
N.T.S.

NOTES:

BAFFLES SHALL BE CONSTRUCTED OF 100% COCONUT (COIR) FIBER MATERIAL SUPPORTED BETWEEN POSTS WITH A WIRE MESH BACKING

EX. TREE PROTECTION FENCE TO BE MAINTAINED AS NEEDED (TYP.)

EX. INLET PROTECTION TO BE MAINTAINED AS NEEDED (TYP.)

CHAINLINK/TEMPORARY FENCE INSTALLED AROUND SITE TO BE MAINTAINED AS NEEDED

COIR MAT INSTALLED IN STAGE 1 TO BE MAINTAINED AS NEEDED

CONTRACTOR TO ENSURE EXPOSED DISTURBED AREAS ARE COVERED AS PROPOSED AT ALL TIMES

ALL EXPOSED AREAS TO BE COVERED WITH STRAW AT AN APPLICATION RATE OF 4.5 TONNES/HECTARE (MIN. 1" OR 2.5cm THICK). MAXIMUM UNPROTECTED DISTURBED AREA: 1000m² DURING DRY WEATHER CONDITIONS.

SILT FENCE INSTALLED IN STAGE 1 TO BE MAINTAINED AS NEEDED

CONTRACTOR TO INSTALL INLET PROTECTIONS AT PROP. CATCH BASIN, MANHOLE CATCH BASINS, AND LAWN BASINS (TYP.) SEE SHEET 22 FOR DETAILS.

CONSTRUCTION ENTRANCE PAD INSTALLED DURING STAGE 1 TO BE MAINTAINED AS NEEDED. IF ENTRANCE PAD FAILS, CONTRACTOR TO INSTALL MECHANICAL WHEEL WASH STORMTECH MODEL TW275C AUTOMATIC TIRE WASHER OR APPROVED EQUIVALENT WITH DISCHARGE DIRECTED TO TREATMENT SYSTEM.

CONTRACTOR TO UTILIZE APPROPRIATE ESC MEASURES, AS REQUIRED, TO PREVENT ANY STORMWATER RUNOFF ONTO THE SCHOOL PROPERTY

FILTREXX SILT SOXX INSTALLED DURING STAGE 1 TO BE MAINTAINED AS NEEDED

CHECK DAMS INSTALLED IN STAGE 1 TO BE MAINTAINED AS NEEDED (TYP.)

SURROUNDING ROADS TO BE SWEPT AS REQUIRED UNTIL THE ESC PERMIT IS CLOSED (TYP.)

PUMP AND TREAT SYSTEM TO BE DISCHARGED IN TO EX. MANHOLE

ESC MONITORING POINT; CONTRACTOR TO CUT SAMPLING PORT ON DISCHARGE HOSE FOR SAMPLING

SILT FENCE INSTALLED IN STAGE 1 TO BE MAINTAINED AS NEEDED

SWALE C/W CHECK DAMS INSTALLED IN STAGE 1 TO BE MAINTAINED AS NEEDED

OUTLET AT MH TO BE TEMPORARILY PLUGGED. SUITABLY SIZED PUMP TO CONVEY FLOW TO STORMWATER TREATMENT SYSTEM.

DON MOORE DRIVE

ESC MONITORING

- A pH VALUE OUTSIDE THE RANGE OF 6.5 TO 8.0; OR
- A DISCHARGE EXCEEDING A TURBIDITY LEVEL OF 25 NTU, EXCEPT DURING AND FOR 24 HOURS FOLLOWING A SIGNIFICANT RAINFALL EVENT A DISCHARGE EXCEEDING 100 NTU

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Eng. Project No. PROJ 25-015

Project: BURKE MOUNTAIN ATHLETIC PARK
Description: EROSION & SEDIMENT CONTROL STAGE 2 - SITE UTILITIES
File: 18-264A

0 5 1:500 25m

Plot Date: May 5, 2025

May 05 2025 – 11:47am M:\SUR–LD\2018\18–264A\DWG\ONSITE PRODUCTION\18–264A – ONSITE CONSTRUCTION ESC – STAGE 2.dwg/24 ESC – STAGE 2 Abror

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- PROPOSED SUMP PUMP (P)
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- CONSTRUCTION ENTRANCE PAD
- COIR MAT
- PROPOSED STRAW /HAY (4.5 TONNES/HECTARE)

NOTES: STAGE 3 – SURFACE WORKS

SEDIMENT & EROSION CONTROL DURING THE CONSTRUCTION OF THE ROADS AND LANDSCAPING PHASE IS TO BE COMPLETED BY THE CONTRACTOR AS FOLLOWS:

1. THE CONTRACTOR SHALL INSPECT ALL SEDIMENT CONTROL FACILITIES ONCE EVERY 7 DAYS AND PRIOR TO THE ONSET OF A SIGNIFICANT RAINFALL.
2. CATCH BASINS SHALL BE CLEANED A MINIMUM OF ONCE EVERY 7 DAYS OR AS NEEDED TO MAINTAIN FUNCTIONALITY AS DIRECTED BY ESC MONITOR OR SUPERVISOR.
3. ANY IRREGULARITIES SHALL BE REPORTED TO THE ESC MONITOR.
4. ALL SEDIMENT CONTROL FACILITIES SHALL REMAIN IN PLACE UNTIL 90% OF THE SITE WORKS HAVE BEEN COMPLETED. REMOVAL CAN TAKE PLACE ONLY ON THE APPROVAL BY THE ESC MONITOR OR ONCE THE ESC PERMIT FOR THE SITE IS CLOSED.

DE–COMMISSIONING

1. DE–COMMISSIONING OF ALL SEDIMENT CONTROL FACILITIES: ON COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND BOULEVARD LANDSCAPING ESC SUPERVISOR WILL REVIEW SITE AND MAKE RECOMMENDATION ON ESC FACILITY DECOMMISSIONING. NO DECOMMISSIONING IS TO COMMENCE UNTIL WRITTEN AUTHORIZATION FROM THE ESC SUPERVISOR HAS BEEN ISSUED.
2. ALL SILT FENCES, FILTREXX SOXX, AND FLEXSTORM BAGS SHALL BE REMOVED AFTER CONSTRUCTION WORKS HAVE BEEN COMPLETED.
3. ANY POINTS OF ENTRY OTHER THAN THE PROPOSED DRIVEWAYS SHALL BE REMOVED AND AREA REINSTATED AS PER THE DESIGN DRAWINGS AFTER CONSTRUCTION WORKS HAVE BEEN COMPLETED.

THE ENGINEER OF RECORD, OR HIS AGENT, WILL MONITOR THE CONDITIONS AT THE SITE AND PROVIDE ADDITIONAL DIRECTION AS REQUIRED. THIS DIRECTION MAY INCLUDE ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES OR ACTIONS, AS REQUIRED. SHOULD THESE DIRECTIONS NOT BE IMPLEMENTED IN A TIMELY MANNER, WRITTEN NOTICE OF NON–CONFORMANCE WILL BE ISSUED. SHOULD THE SITUATION NOT BE RECTIFIED, THE ENGINEER OF RECORD WILL INITIATE ACTION AT THE COST OF THE CONTRACTOR.

NOTE

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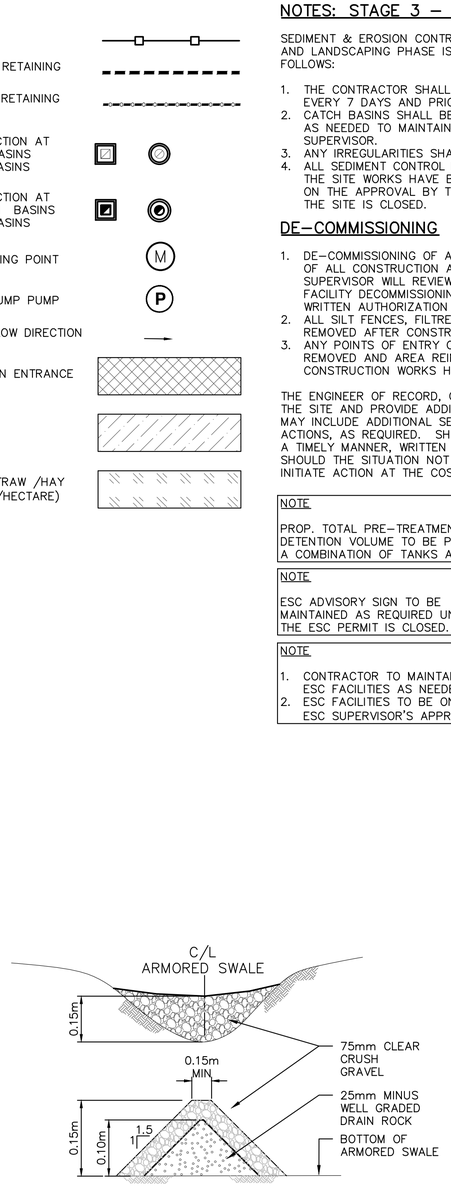
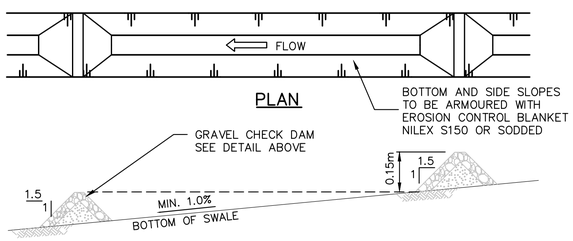


GRAVEL CHECK DAM DETAIL

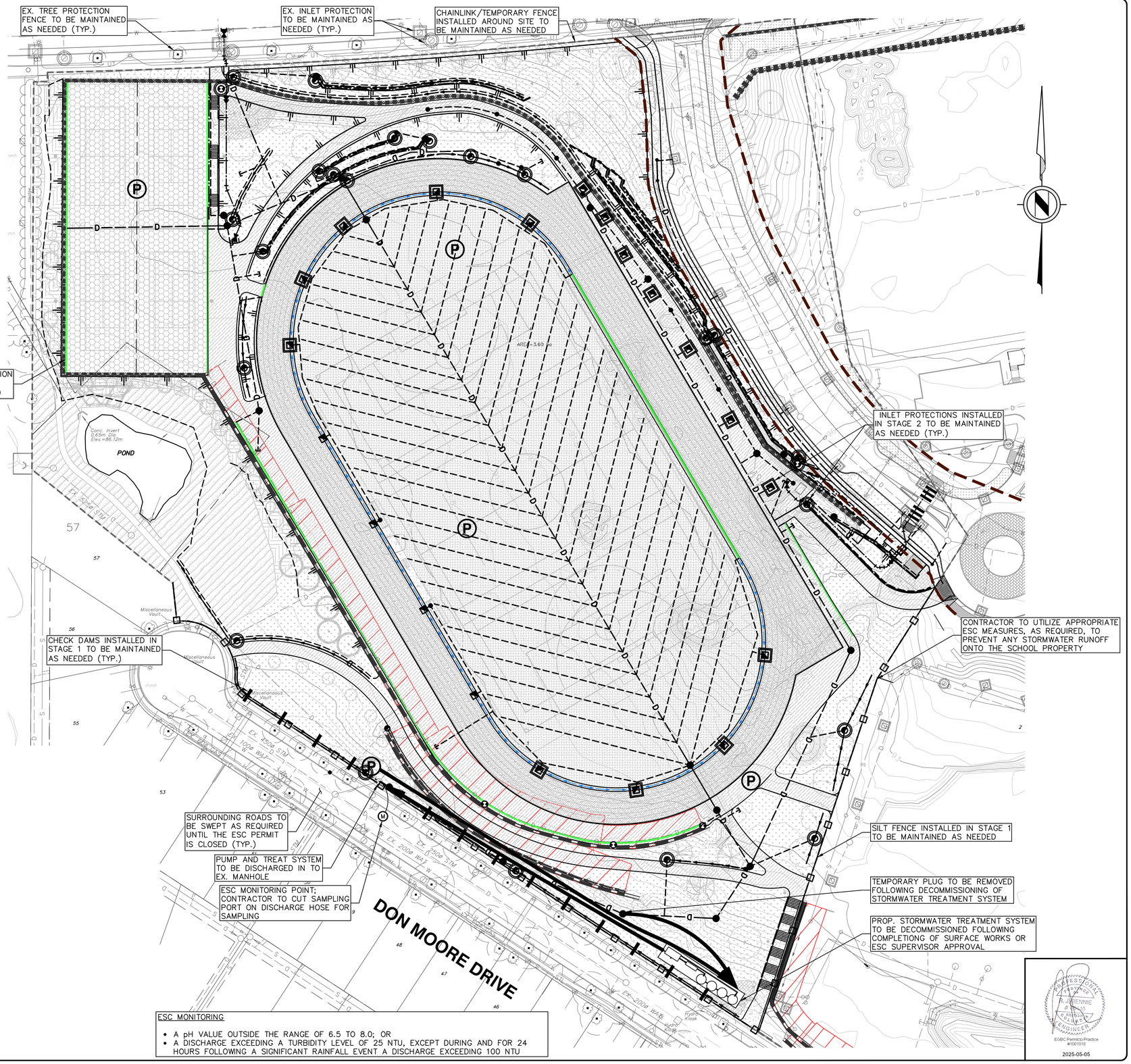
N.T.S.



PLAN

ARMORED SWALE WITH DRAIN ROCK BERM SECTION VIEW

N.T.S.



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Eng. Project No. PROJ 25-015

Project: BURKE MOUNTAIN ATHLETIC PARK
Description: EROSION & SEDIMENT CONTROL STAGE 3 - SURFACE WORKS
File: 18-264A

0 5 1:500 25m

Plot Date: May 5, 2025

PART 1 – EXTENT OF WORK

1.1. CIVIL WORKS

1.1.1. THIS CONTRACT IS FOR THE SUPPLY, INSTALLATION AND MAINTENANCE OF:

- ALL EROSION AND SILTATION CONTROL WORKS AS DETAILED IN THE CIVIL DRAWINGS, AND/OR ANY OTHER TEMPORARY FACILITIES FOUND NECESSARY DURING CONSTRUCTION SUCH AS TEMPORARY SILTATION PONDS OR MECHANICAL TREATMENT FACILITIES;
- ALL CLEARING AND GRUBBING AS REQUIRED FOR CONSTRUCTION;
- ALL EARTHWORKS, GRADING, RETAINING WALLS IF ANY, AND SURFACE RESTORATION IN ACCORDANCE WITH CONTRACT DRAWINGS;
- THE SUPPLY AND INSTALLATION OF STORM SEWERS, INCLUDING INFILTRATION ROCK PIT, FRENCH DRAIN, STORM BUILDING CONNECTIONS, APPURTENANCES, CATCH BASINS, LAWN BASINS, OIL–WATER SEPARATORS AND INSTALLATION OF DRY WELL, AS WELL AS REMOVAL AND DISPOSAL OFFSITE OF THE EXISTING STORM SYSTEM WITHIN THE SUBJECT AREA.
- THE SUPPLY AND INSTALLATION OF SANITARY SEWERS, INCLUDING TIE–INS TO SANITARY SERVICE CONNECTION, SANITARY BUILDING CONNECTIONS, AND APPURTENANCES.
- THE SUPPLY AND INSTALLATION OF THE FIRE AND DOMESTIC WATER MAIN AND APPURTENANCES, WITH REMOVAL AND DISPOSAL OFFSITE OF SECTION OF THE EXISTING WATER MAIN .
- CONSTRUCTION OF PROPOSED EARTHWORKS, STORM SERVICING, RETAINING WALLS AND ASSOCIATED DRAINAGE WORKS, AND RESTORATION OF DISTURBED PAVEMENT, CURBING, WALKWAYS, AND BOULEVARD.
- THE SUPPLY AND CONSTRUCTION OF ALL CIVIL WORKS FOR SITE & ROADWAY LIGHTING, TRAFFIC SIGNALS, BC HYDRO, TELUS AND CABLEVISION UNDERGROUND WIRING SYSTEMS (DETAILS PROVIDED IN DRAWINGS BY THE ELECTRICAL ENGINEER).

1.1.2. THE CONTRACTOR SHALL MAKE ALLOWANCES FOR PROVIDING THE NECESSARY CAPS AND TEST POINTS FOR THE WATERMAINS, STORM SEWERS, AND SANITARY SEWERS. THESE CAPS OR TEST POINTS ARE NOT NECESSARILY SHOWN ON THE DRAWINGS.

1.1.3. IT IS RECOMMENDED THAT THE CONTRACTOR VISIT THE SITE PRIOR TO BIDDING AND TO PERFORM WHATEVER INVESTIGATIONS DEEMED NECESSARY TO ENSURE A CLEAR UNDERSTANDING OF THE SITE CONDITIONS, SCOPE OF THE WORKS AND LIMITATION OF THIS CONTRACT.

1.1.4. THE CONTRACTOR MAY BE REQUIRED TO PROVIDE FLAG PERSON(S) TO MANAGE TRAFFIC DURING CONSTRUCTION. ANTICIPATED COSTS FOR TRAFFIC CONTROL, IF ANY, TO BE INCLUDED IN CONTRACT PRICE.

PART 2 – PRODUCTS

2.1. PRODUCT APPROVALS

2.1.1. THE CONTRACTOR IS TO SUBMIT SPECIFICATIONS FOR ANY PRODUCTS PROPOSED FOR USE IN CONSTRUCTION AS AN APPROVED ALTERNATIVE TO THE PRODUCTS SPECIFIED ON THE CONTRACT DRAWINGS TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO USE IN CONSTRUCTION.

2.2. CITY SPECIFICATIONS

2.2.1. ALL WORK MUST BE DONE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COQUITLAM AND THE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN, FOR HIMSELF, A CURRENT COPY OF THESE STANDARDS AND SPECIFICATIONS.

PART 3 – EXECUTION

3.1. DRAWINGS

3.1.1. THE CONTRACTOR IS TO COMPLETE THE WORK AS PER THE ONSITE CIVIL DRAWINGS, INCLUDING ALL SPECIFICATIONS CONTAINED THEREIN.

3.2. BUILDING CODE

3.2.1. ALL WORK MUST BE DONE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE BC BUILDING CODE 2018. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN, FOR HIMSELF, A CURRENT COPY OF THESE SPECIFICATIONS.

3.2.2. THE CONTRACTOR TO PROVIDE COPIES OF ALL INSPECTION REPORTS FROM THE CITY OF COQUITLAM PLUMBING INSPECTOR TO THE ENGINEER.

3.3. CONSTRUCTION CONTROL LAYOUT – BY CONTRACTOR

3.3.1. THE CONTRACTOR WILL BE RESPONSIBLE TO SUPPLY HIS OWN CONSTRUCTION CONTROL LAYOUT.

3.4. SILTATION CONTROL

3.4.1. EROSION AND SEDIMENT CONTROL (ESC) DRAWINGS ARE TO BE INCLUDED AS PART OF THE BUILDING PERMIT DESIGN PACKAGE. THE CONTRACTOR WILL BE REQUIRED, AS A MINIMUM, TO COMPLY WITH THE INFORMATION SHOWN ON THESE PLANS, PARTICULARLY WITH REGARD TO TIMING AND IMPLEMENTATION.

3.4.2. WHERE THE OWNER IS REQUIRED TO RETAIN AN ESC SUPERVISOR AND/OR ESC MONITOR, THEN PERIODIC INSPECTIONS OF THE PROJECT WILL BE CARRIED OUT TO ASSESS THE CONTRACTOR'S EFFECTIVE IMPLEMENTATION OF THE ESC STRATEGIES, AND TO TAKE WATER QUALITY SAMPLES FOR TESTING (EITHER NTU OR TSS TESTS). THE ESC MONITOR WILL ALSO NOTIFY THE CONTRACTOR OF THE TEST RESULTS, AND WHERE NECESSARY MAKE RECOMMENDATIONS ON ADDITIONAL STRATEGIES NECESSARY, OR IDENTIFY CURRENT ACTIVITIES THAT NEGATE THE EFFECTIVENESS OF THE ESC PLAN, IN ORDER TO BRING THE WATER QUALITY TEST RESULTS INTO COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO TAKE IMMEDIATE ACTION TO CORRECT THESE MATTERS TO THE SATISFACTION OF THE ESC MONITOR AND/OR ESC SUPERVISOR.

3.4.3. SOURCE CONTROL STRATEGIES ARE TO BE THE PRIMARY MEANS FOR CONTROLLING EROSION AND THE TRANSPORTATION OF SEDIMENT ON THE SITE. PUMPING OR DIRECT ROUTING OF HEAVILY SILT–LADEN WATERS DIRECTLY INTO THE NEW AND/OR EXISTING STORM SYSTEM IS NOT ACCEPTABLE. NON–COMPLIANCE WITH THE IMPLEMENTATION OF THE REQUIRED STRATEGIES BY THE CONTRACTOR MAY RESULT IN THE NEED FOR ADDITIONAL ESC STRATEGIES (EITHER MECHANICAL OR CHEMICAL, AS NECESSARY) TO BE IMPLEMENTED AT THE COST OF THE CONTRACTOR.

3.4.4. DURING THE CONSTRUCTION OF THE WORKS, THE CONTRACTOR SHALL COMPLY WITH ALL REGULATORY AUTHORITIES, MINISTRY OF ENVIRONMENT, DEPARTMENT OF FISHERIES AND OCEANS CANADA, AND LOCAL MUNICIPAL BYLAWS FOR EROSION AND SEDIMENT CONTROL, AND THE PROTECTION OF FISH AND WILDLIFE, AND SHALL BE RESPONSIBLE FOR ALL COSTS IN COMPLYING WITH THESE REQUIREMENTS.

3.4.5. THE CONTRACTOR SHALL TAKE ADEQUATE STEPS, INCLUDING BUT NOT LIMITED TO THE REQUIREMENTS SHOWN ON THE ESC PLANS (WHICH TYPICALLY INCLUDE INSTALLATION OF SILT FENCES, APPLICATION OF MULCHES, PROTECTION OF CATCH BASIN INLETS, COVERING OF STOCKPILES, TEMPORARY SEDIMENT CONTROL PONDS, DITCHING OR ANY OTHER MEASURES) AS MAY BE NECESSARY TO PREVENT SILT AND OTHER DELETERIOUS MATERIALS FROM THE WORKS ENTERING THE STORM DRAINAGE SYSTEM AND RECEIVING WATERCOURSE.

3.4.6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED MAINTENANCE, INCLUDING REMOVAL OF SILT FROM SILTATION CONTROL STRUCTURES, AND REPAIRS AS REQUIRED TO ENSURE PROPER OPERATION OF THE SILTATION CONTROL SYSTEM DURING THE CONSTRUCTION OF THE WORKS, UNTIL THE PROJECT IS PLACED ON MAINTENANCE.

3.4.7. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT RUNOFF FROM THE SITE CONFORMS TO DFO LAND DEVELOPMENT GUIDELINES AND THE REQUIREMENTS OF THE LOCAL ESC BYLAW, SUCH AS:

- "RUNOFF WATER FROM THE DEVELOPMENT SITE SHOULD CONTAIN LESS THAT 25MG/LITRE OF SUSPENDED SOLIDS ABOVE THE BACKGROUND SUSPENDED SOLIDS LEVELS OF THE RECEIVING WATERS DURING NORMAL DRY WEATHER OPERATION AND LESS THAN 75MG/LITRE OF SUSPENDED SOLIDS ABOVE THE BACKGROUND LEVELS DURING DESIGN STORM EVENTS."
- "NO PERSON SHALL CAUSE, OR PERMIT ANOTHER PERSON TO CAUSE, SEDIMENT OR SEDIMENT–LADEN WATER TO BE DISCHARGED, EITHER DIRECTLY OR INDIRECTLY, INTO THE CITY DRAINAGE SYSTEM GREATER THAN 25TSS."

3.4.8. THE COST OF SUCH WORKS SHALL BE INCLUDED IN THE PRICE BID FOR SILTATION FACILITIES. NO EXTRAS WILL BE PAID RELATING TO EROSION AND SEDIMENT CONTROL. THE COST OF SUCH WORKS SHALL BE INCLUDED IN THE PRICE BID FOR EROSION & SILTATION CONTROL FACILITIES.

3.5. TREE PRESERVATION, REMOVAL, RELOCATION & REPLACEMENT

3.5.1. THE CONTRACTOR SHALL TAKE ADEQUATE STEPS NECESSARY TO ENSURE PRESERVATION OF THE TREES TO BE RETAINED, AND SHALL TAKE EXTRA PRECAUTION WHEN WORKING NEAR OR AROUND TREES.

3.5.2. REMOVAL OF TREES FROM THIS SITE IS GOVERNED BY THE LOCAL MUNICIPAL TREE PRESERVATION, REMOVAL AND REPLACEMENT BYLAW. TREE REMOVAL OR PRUNING IS STRICTLY PROHIBITED WITHOUT THE EXPRESS APPROVAL OF THE OWNER.

3.6. TOPSOIL AND GRASS SEEDING

3.6.1. TOPSOIL AND GRASS SEEDING OF AREAS DISTURBED DURING CONSTRUCTION IS TO BE COMPLETED BY THE CONTRACTOR. TOPSOIL MAY BE NATIVE TOPSOIL OR IMPORTED TOPSOIL MEETING THE CITY OF COQUITLAM'S SUPPLEMENTARY SPECIFICATIONS TO THE MMCD.

3.7. EXISTING CATCH BASINS & STORM INLETS

3.7.1. ALL EXISTING CATCH BASIN GRATES AND STORM SEWER INLETS IN THE IMMEDIATE VICINITY OF THE PROJECT SITE ARE TO BE EFFECTIVELY PROTECTED AGAINST ENTRY OF SILT–LADEN WATERS.

3.8. RELATED WORK IN THE VICINITY OF FISHERIES CREEKS

3.8.1. THE CONTRACTOR SHALL COMPLY WITH ALL REGULATORY AUTHORITIES, MINISTRY OF ENVIRONMENT, AND DEPARTMENT OF FISHERIES AND OCEANS CANADA IN THE PROTECTION OF FISH AND WILDLIFE DURING THE CONSTRUCTION OF CONTRACT WORKS AND SHALL BE RESPONSIBLE FOR ALL COSTS IN COMPLYING WITH THESE REQUIREMENTS.

3.9. CLEARING AND GRUBBING

3.9.1. THE CONTRACTOR SHALL, IN ACCORDANCE WITH THE ESC PLAN, BE RESPONSIBLE TO CLEAR–AND–GRUB AREAS NECESSARY TO CONSTRUCT THE WORKS AS SHOWN ON THE DRAWINGS.

3.9.2. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OFFSITE OF ALL DEBRIS AND STUMPS RESULTING FROM CLEARING AND GRUBBING OPERATIONS. THE COST OF SUCH WORKS SHALL BE INCLUDED IN THE PRICE BID FOR CLEARING AND GRUBBING.

3.10. EXISTING ROADWAY AND STRUCTURE REMOVAL

3.10.1. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF THE EXISTING WALKWAYS, UTILITIES AND STRUCTURES WITHIN THE CONSTRUCTION ZONE ONSITE AS PROPOSED IN CONTRACT DRAWINGS. COSTS OF THIS SHALL BE INCLUDED IN THE CONTRACT PRICES.

3.10.2. DUMPING OF EXCAVATED MATERIAL WITHIN THE SITE WILL NOT BE ALLOWED.

3.10.3. ALL SURPLUS EXCAVATED MATERIAL SHALL BE DISPOSED OF OFF–SITE. ANY COSTS ASSOCIATED WITH THE EXCESS MATERIAL SHALL BE INCLUDED IN THE PRICES BID FOR THE RELATED WORKS.

3.11. ROCKS AND/OR BOULDERS

3.11.1. THE BLASTING AND REMOVAL OF ANY ROCKS OR BOULDERS FROM THE SITE SHALL BE THE RESPONSIBILITY AND COSTS OF THE CONTRACTOR. THE OWNER RESERVES THE RIGHT TO RETAIN THE BOULDERS FOR THEIR OWN USE.

3.12. BACKFILL

3.12.1. ALL BACKFILL SHALL BE IN ACCORDANCE WITH THE CITY OF COQUITLAM AND/OR UTILITY COMPANY DRAWINGS AND SPECIFICATIONS. IF APPROVED, SUBSTITUTION OF NATIVE BACKFILL FOR IMPORT BACKFILL MATERIAL MAY BE PERMITTED BY THE CONTRACTOR IF ALL NECESSARY GEOTECHNICAL DOCUMENTATION (LETTERS, REPORTS, ETC.) HAVE BEEN ACCEPTED BY THE CITY OF COQUITLAM AND THE ENGINEER OF RECORD.

3.13. ONSITE BACKFILL

3.13.1. ALL ONSITE BACKFILL SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY THURBER ENGINEERING LTD. DATED MAY 5, 2023, AND IN COMPLIANCE WITH UTILITY COMPANY DRAWINGS AND SPECIFICATIONS.

3.14. SITE GRADING AND CUT/FILL EARTH WORKS

3.14.1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR GRADING THE SITE IN ACCORDANCE WITH THE GRADING PLAN, ENSURING THAT THE SURFACE DRAINAGE OF THE SITE IS DIRECTED AS SET OUT ON THE PLAN. AS PART OF THE SILTATION AND EROSION CONTROL MEASURES, THE CONTRACTOR WILL TAKE WHATEVER ACTION IS NECESSARY TO MITIGATE THE IMPACT OF ADVERSE WEATHER CONDITIONS OVER AREAS OF EXPOSED SOILS TO PREVENT SOIL AND SEDIMENT FROM BEING WASHED OFF THE SITE AND INTO THE STORM DRAINAGE SYSTEM.

3.14.2. THE CONTRACTOR SHALL USE ALL SUITABLE MINERAL TRENCH EXCAVATION MATERIAL AND ROAD EXCAVATION MATERIAL WITHIN THE SITE AREA FOR SITE GRADING. IF THE CONTRACTOR IS REQUIRED TO STOCKPILE THE EXCAVATED MATERIAL, IT SHALL BE PROTECTED FROM THE ELEMENTS (WIND AND WATER) WITH POLY SHEETING AND SILT FENCING TO PREVENT EROSION OF THE MATERIAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OFFSITE OF ALL UNSUITABLE OR EXCESS MATERIAL.

3.15. TRENCH RESTORATION

3.15.1. THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ANY PAVEMENT, CURBS, SIDEWALKS, FENCING, AND LANDSCAPING DISTURBED IN CONSTRUCTION. THE COST TO FULLY REINSTATE ALL TRENCHES SHALL BE INCLUDED IN THE CONTRACT PRICE.

3.15.2. THE PRICE FOR ASPHALT OVERLAY SHALL INCLUDE THE CLEANING OF THE BASE ASPHALT, PLACEMENT OF A TACK COAT, AND ANY MANHOLE OR VALVE COVER ADJUSTMENTS AS REQUIRED.

3.16. TIE–INS AND CONNECTIONS TO EXISTING SERVICES

3.16.1. TIE–INS AND CONNECTIONS TO THE ONSITE EXISTING WATERMAINS AND/OR SEWERS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND IS TO BE INCLUDED IN THE CONTRACT PRICE.

3.17. TESTING OF ONSITE SEWERS

3.17.1. TESTING OF THE ONSITE SEWER SYSTEM SHALL BE DONE BY THE CONTRACTOR AS PER THE PLUMBING PERMIT AND THE COST OF THIS SHALL BE INCLUDED IN THE SCHEDULE OF CONTRACT PRICES.

3.17.2. THE TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE AUTHORIZED CITY OF COQUITLAM INSPECTOR, OR WITH SUCH APPROVAL, AN APPROVED TESTING COMPANY MAY UNDERTAKE THE TESTS IN ABSENCE OF THE CITY OF COQUITLAM INSPECTOR. COPIES OF THE TEST RECORDS, IN THE FORMAT REQUIRED BY THE CITY OR MUNICIPALITY, WILL BE FORWARDED TO CITY OF COQUITLAM INSPECTOR AND THE CONSULTANT FOR REVIEW.

3.18. VIDEO INSPECTION OF SEWERS

3.18.1. VIDEO INSPECTION OF THE STORM AND SANITARY SEWER SYSTEM, INCLUDING ALL CONNECTION LEADS, SHALL BE PERFORMED BY THE CONTRACTOR AND THE COST OF THIS SHALL BE INCLUDED IN THE SCHEDULE OF CONTRACT PRICES.

3.18.2. THE VIDEO INSPECTION SHALL BE PERFORMED IN THE PRESENCE OF THE AUTHORIZED CITY OF COQUITLAM INSPECTOR, OR WITH SUCH APPROVAL, AN APPROVED TESTING COMPANY MAY UNDERTAKE THE TESTS IN ABSENCE OF THE CITY OF COQUITLAM INSPECTOR. COPIES OF THE VIDEO RECORDS, IN THE FORMAT REQUIRED BY THE CITY OR MUNICIPALITY, WILL BE FORWARDED TO CITY OF COQUITLAM INSPECTOR AND THE CONSULTANT FOR REVIEW.

3.19. TESTING OF ONSITE WATERWORKS

3.19.1. DURING INSTALLATION AND PRIOR TO ARRANGING FOR TESTS BY THE CITY OF COQUITLAM FORCES, THE CONTRACTOR SHALL CARRY OUT AT HIS EXPENSE, HIS OWN TESTS TO ENSURE THAT THE SYSTEM WILL SATISFACTORILY PASS THE CITY TEST.

3.19.2. THE TESTING AND CHLORINATION OF ONSITE WATERMAINS WILL BE DONE BY THE CONTRACTOR IN THE PRESENCE OF THE CITY OF COQUITLAM PLUMBING INSPECTOR.

3.19.3. SCHEDULE 40 OR 80 PIPE SHALL NOT BE USED FOR THE ONSITE WATERMAINS.

3.20. MATERIALS TESTING

3.20.1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND CO–ORDINATING ALL MATERIAL TESTING FOR ALL GRANULAR, ASPHALTIC AND CONCRETE MATERIALS USED IN CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF ALL LOCAL CITY OR MUNICIPAL JURISDICTIONS.

3.20.2. ALL TESTING MUST BE PERFORMED BY A CERTIFIED TESTING LABORATORY. THE TESTING WILL INCLUDE, BUT NOT LIMITED TO, SIEVE ANALYSIS OF MATERIALS TO BE TESTED; DENSITY TESTS FOR TRENCH BACKFILL MATERIALS, ROADWAY EMBANKMENTS AND ROAD CONSTRUCTION; DENSITY TESTS FOR GRANULAR MATERIALS USED IN LANE, ROAD AND SIDEWALK CONSTRUCTION; MARSHALL TESTS AND CORING OF ASPHALT PAVEMENTS; PLASTIC AND STRENGTH CONCRETE TESTS FOR SIDEWALKS, CURB AND GUTTER. PROOF ROLLING SHALL BE CARRIED OUT IN ACCORDANCE WITH MMCD SECTION 2233, ITEM 3.5.

3.20.3. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ANY ADDITIONAL TESTS SPECIFICALLY IDENTIFIED ON THE CONTRACT DRAWINGS OR TENDER DOCUMENTS FOR COMPLIANCE WITH GEOTECHNICAL REPORTS, OR AS REQUIRED BY THE ENGINEER–OF–RECORD.

3.20.4. THE CONTRACTOR IS TO PROVIDE THE CONSULTANT WITH A TIMELY COPY OF ALL MATERIALS TESTING RESULTS IN THE FORMAT REQUIRED BY THE CITY OF COQUITLAM.

3.21. SITE LIGHTING, ELECTRICAL AND TELECOMMUNICATIONS

3.21.1. THE CONTRACTOR SHALL INSTALL PROPOSED SITE LIGHTING, ELECTRICAL AND TELECOMMUNICATIONS SYSTEMS IN ACCORDANCE WITH THE DRAWINGS, REQUIREMENTS, STANDARDS, AND SPECIFICATIONS OF THE ELECTRICAL ENGINEERING DRAWING SET.

3.22. FORTIS BC & GAS SERVICE INSTALLATION

3.22.1. THE OWNER IS MAKING ARRANGEMENTS WITH FORTIS BC TO EXTEND AND INSTALL SERVICES UP TO AND WITHIN THE SITE. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE FORTIS BC CONTRACTOR DURING ALL GAS MAIN CONSTRUCTION. CONTRACTOR SHALL INSTALL THE GAS SERVICE IN ACCORDANCE WITH THE DRAWINGS, REQUIREMENTS, STANDARDS, AND SPECIFICATIONS OF THE FORTIS BC GAS AND MECHANICAL ENGINEERING DRAWING SETS. ASPHALT PAVING SHALL NOT BE ALLOWED TO PROCEED UNTIL ALL CROSSINGS ARE COMPLETED OR PRE–DUCTED. PAYMENT FOR PRE–DUCTING SHALL BE INCLUDED IN THE LUMP SUM ITEM FOR ROADWORKS.

3.23. RESTORATIONS

3.23.1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF ANY AND ALL OFFSITE AND ONSITE PAVEMENTS, DRIVEWAYS, FENCING, DITCHES, LANDSCAPING, AND LAWNS DISTURBED DURING THE COURSE OF CONSTRUCTION. THE COST OF THE ABOVE WORKS SHALL BE INCLUDED IN THE CONTRACT PRICE.

3.24. PRE–CONSTRUCTION DAMAGE INSPECTION

3.24.1. THE CONTRACTOR SHALL ENSURE THAT A PRE–CONSTRUCTION DAMAGE INSPECTION BE PERFORMED WITH THE CITY OF COQUITLAM STAFF AND THE ENGINEER PRIOR TO ANY MOBILIZATION OR SITE WORK. RESTORATION OF ANY DAMAGE NOT IDENTIFIED DURING THE PRE–CONSTRUCTION DAMAGE INSPECTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. SHOULD THE CONTRACTOR FAIL TO ARRANGE THIS PRE–CONSTRUCTION DAMAGE INSPECTION PRIOR TO MOBILIZATION, ALL DAMAGES IDENTIFIED BY THE CITY AND ENGINEER ARE TO BE REPAIRED AT THE CONTRACTOR'S COST.

3.25. AS–BUILT DRAWINGS

3.25.1. THE CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ON THE SITE, ONE COMPLETE SET OF BOTH OFFSITE AND ONSITE DRAWINGS FOR THE PURPOSE OF RECORDING ALL VARIATIONS FROM THE DRAWINGS. ALTERATIONS SHALL BE CLEARLY SHOWN IN RED. THIS SET WILL BE RETURNED TO THE CONSULTANT WITHIN ONE (1) WEEK AFTER SUBSTANTIAL COMPLETION OF THE CONTRACT TO ENABLE THE CONSULTANT TO PREPARE A PERMANENT SET OF "AS–BUILT" DRAWINGS. THE CONTRACTOR SHALL PROVIDE THE CONSULTANT DOCUMENTATION OF CHANGES WHICH SHALL PROVIDE ALL DETAILS APPLICABLE TO THE CHANGES.

3.25.2. CONTRACTOR TO RETAIN AND PROVIDE AS–BUILT SURVEY OF OFFSITE WORKS COMPLETED BY CERTIFIED BCLS TO FACILITATE PREPARATION OF CITY REQUIRED RECORD DRAWINGS.

3.26. PROVISIONAL ITEMS

3.26.1. THE OWNER RESERVES THE RIGHT TO INCLUDE OR EXCLUDE ALL PROVISIONAL ITEMS AT THE PRICES STATED.

3.27. PAYMENT CERTIFIER

3.27.1. FOR ALL WORKS TENDERED UNDER THIS CONTRACT, THE OWNER WILL BE THE PAYMENT CERTIFIER AS DEFINED IN THE BC LIEN ACT.

3.28. FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY ACT

3.28.1. THE CONTRACTOR ACKNOWLEDGES THAT THE OWNER IS SUBJECT TO THE FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY ACT AND AGREES TO ANY DISCLOSURE OF INFORMATION BY THE OWNER REQUIRED BY THE OWNER REQUIRED BY LAW.

3.29. PROGRESS DRAW REVIEW

CIVIL PORTION OF MONTHLY PROGRESS DRAWS WILL BE REVIEWED AND EVALUATED BY APLIN MARTIN BASED ON THE FOLLOWING CRITERIA. A MAXIMUM 95% RELEASE WILL BE PERMITTED UNTIL SUBSTANTIAL COMPLETION HAS BEEN ISSUED BY THE CONSULTANT, EXCEPT FOR CLEARING & GRUBBING, EARTHWORKS AND VIDEO REPORTS (IF UNDER SEPARATE LINE ITEMS).

CLEARING & GRUBBING
- 100% WORKS COMPLETED

EARTHWORKS
- 0%–100% BASED ON PERCENT COMPLETION

STORM SEWER OR SANITARY SEWER
- 0%–70% BASED ON PERCENT COMPLETE
- 70% ALL MAINLINES AND MANHOLES CONSTRUCTED
- 85% SERVICES, INSPECTION CHAMBERS AND CATCH/LAWN BASINS CONSTRUCTED
- 95% STORM SYSTEM COMPLETED AND CERTIFIED VIDEO REPORT ACCEPTED

NOTE: 85% MAXIMUM FOR SEWERS UNTIL VIDEO REPORT AND AIR TEST (SANITARY SEWER) ARE ACCEPTED BY THE CONSULTANT.

WATERWORKS
- 0%–90% BASED ON PERCENT COMPLETE
- 90% MAINLINES, VALVES, SERVICES AND HYDRANTS CONSTRUCTED
- 95% LINES TESTED AND PASSED

NOTE: 90% MAXIMUM FOR WATER MAIN UNTIL TESTING REPORTS ARE ACCEPTED BY THE CONSULTANT.

ROADWORKS
- 40% SUBBASE COMPLETED TO GRADE
- 65% CURB BASE AND CURBS CONSTRUCTED
- 75% GRANULAR BASE CONSTRUCTED TO GRADE AND TESTED
- 90% ASPHALT BASE COURSE PLACED

VIDEO INSPECTION
- 100% VIDEOS ARE RECEIVED AND APPROVED BY THE CONSULTANT

PROFESSIONAL PROVINCE OF BRITISH COLUMBIA R. J. BENNIE # [illegible] ENGINEER

EGBC Permit to Practice #1001018

2025-05-05

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

No.	Date	By	Revisions
7	2025-05-05	RJB	ISSUED FOR RFP
6	2025-04-24	RJB	REISSUED FOR RFP REVIEW
5	2025-01-17	RJB	ISSUED FOR RFP REVIEW
4	2024-12-16	RJB	ISSUED FOR 100% REVIEW
3	2024-11-28	RJB	ISSUED FOR 85% REVIEW
2	2024-07-10	RJB	ISSUED FOR ALTERNATIVE COSTING
1	2024-05-08	RJB	ISSUED FOR 75% REVIEW

Design by ASB	Date MAY, 2024
Drawn by ASB	Date MAY, 2024
Checked by RJB	Date MAY, 2024
Approved by RJB	Date MAY, 2024

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ACCEPTED FOR CONSTRUCTION
Date:

Manager of Development Servicing

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

Scale horiz. N/A Scale vert. N/A
Sheet of 26 of 26
Eng. Project No. PROJ 25-015

Project: BURKE MOUNTAIN ATHLETIC PARK
Description: CIVIL SPECIFICATIONS
File: 18-264A

Plot Date: May 5, 2025