

ARCH D 24"x 36"

D

C

B

Last Printed: 3/19/2024 12:02:30 PM
FILENAME: Autodesk_Docset/IBP-AMER (CAN) 60723990-FMAA QTA 01 4-R23.rvt

SURFACE WORKS

	EXISTING	ABANDONED OR REMOVED	PROPOSED	FUTURE
EDGE OF ASPHALT OR GRAVEL	-----	-----	=====	=====
BARRIER CURB	=====	=====	=====	=====
DEPRESSED CURB (DRIVEWAY)	=====	=====	=====	=====
PAVEMENT ELEVATION	(000.00)	-----	000.00	000.00
DRAINAGE ARROW	-----	-----	-----	-----
RAMP-RESIDENTIAL	-----	-----	-----	-----
SIGNAGE (1 POST / 2 POST)	-----	-----	-----	-----
CHAIN LINK FENCE	-----	-----	-----	-----
POST & CABLE FENCE	-----	-----	-----	-----
BOLLARDS	-----	-----	-----	-----
CULVERT	=====	=====	=====	=====
DITCH	-----	-----	-----	-----
CONTOUR	000.00	-----	000.000	000.000
TREES	-----	-----	-----	-----
PROPERTY LINE	-----	-----	-----	-----
ASPHALT SWALE	-----	-----	-----	-----

DEEP AND SHALLOW UTILITY WORKS

	EXISTING	ABANDONED OR REMOVED	PROPOSED	FUTURE
MANHOLE	-----	-----	-----	-----
CATCH BASIN MANHOLE	-----	-----	-----	-----
STANDARD FACED CATCH BASIN	-----	-----	-----	-----
ROLLED FACED CATCH BASIN	-----	-----	-----	-----
HYDRANT	-----	-----	-----	-----
HYDRANT VALVE	-----	-----	-----	-----
MAIN LINE VALVE	-----	-----	-----	-----
SANITARY SEWER	-----	-----	-----	-----
STORM SEWER	-----	-----	-----	-----
WATER MAIN	-----	-----	-----	-----
STREET LIGHTS (SINGLE/DOUBLE DAVIT)	-----	-----	-----	-----
GAS LINE	-----	-----	-----	-----
POWER POLE	PP	PP	PP	PP
OVERHEAD POWER LINE	-----	-----	-----	-----
BURIED POWER LINE	-----	-----	-----	-----
OVERHEAD COMMUNICATION LINE	-----	-----	-----	-----
BURIED COMMUNICATION LINE	-----	-----	-----	-----
CATCHMENT AREA	-----	-----	-----	-----

HATCH PATTERNS

-----	TOPSOIL & SEED	-----	NEW ROAD/TRAIL CONSTRUCTION
-----	TOPSOIL & SOD	-----	CONCRETE
-----	EXISTING ASPHALT	-----	GRANULAR BASE COURSE
-----	EXISTING GRAVEL	-----	GRANULAR SUB-BASE COURSE
-----	GRAVEL	-----	EXISTING GROUND
-----	ASPHALT MILLING & OVERLAY (DEPTH NOTED ON ASPHALT TREATMENT & CONCRETE FINISHING DWGS)	-----	HEAVY DUTY ASPHALT
-----	ASPHALT LEVEL COURSE	-----	LIGHT DUTY ASPHALT

GENERAL NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE IN METRES, UNLESS NOTED OTHERWISE.
2. ALL ELEVATIONS ARE TO GEODETIC DATUM. COORDINATES PROVIDED ARE UTM - ZONE 12 AND NAD83 UNLESS STATED OTHERWISE.
3. ALL DIMENSIONS ARE FROM PROPERTY LINE OR FACE OF CURB.
4. ALL GRADES SHOWN ARE LIP OF GUTTER UNLESS NOTED OTHERWISE.
5. THE LOCATION AND PROTECTION OF ALL EXISTING PIPELINES AND UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR WHETHER THE PIPELINE OR UTILITY IS SHOWN ON THE DRAWINGS OR NOT. THE LOCATION OF EXISTING PIPELINES AND UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. UTILITY SAFETY PARTNERS SHALL BE CONTACTED AT 1-800-242-3447 AND ARRANGEMENTS MADE FOR CONFIRMING LOCATIONS PRIOR TO CONSTRUCTION.
6. ALL UTILITY AS-BUILT INFORMATION SHOWN ON THESE DRAWINGS IS TO THE BEST INTERPRETATION OF THE EXISTING AS-BUILT DRAWINGS PROVIDED AND SURVEY. THIS IS SHOWN FOR GENERAL INFORMATION ONLY.
7. CONNECTION TO, OR ALTERATION OF, EXISTING MUNICIPAL-OWNED UTILITIES, REQUIRES AUTHORIZATION BY THE REGIONAL MUNICIPALITY OF WOOD BUFFALO PROJECT MANAGER.
8. THE CONTRACTOR SHALL ENSURE THAT ALL UNDERGROUND COMMUNICATIONS CABLES AND OTHER SPECIFIC LINES HAVE BEEN LOCATED AND PROTECTED PRIOR TO EXCAVATION.
9. CONTRACTOR TO COORDINATE THE EFFORTS AND SCHEDULING OF ALL UTILITY COMPANIES AND THE REGIONAL MUNICIPALITY OF WOOD BUFFALO FORCES FOR THEIR PORTION OF WORK.
10. ALL WORK AND MATERIALS TO BE AS DESCRIBED IN THE REGIONAL MUNICIPALITY OF WOOD BUFFALO MANUALS OF 'ENGINEERING SERVICING STANDARDS AND DEVELOPMENT PROCEDURES' AND 'STANDARD CONSTRUCTION SPECIFICATIONS' OR AS OTHERWISE APPROVED BY THE ENGINEER.
11. ADJUST ALL EXISTING MANHOLES, VALVES AND CATCHBASINS (WHERE APPLICABLE) AS REQUIRED TO SUIT PROPOSED ROAD WORKS.
12. ALL EXISTING CATCH BASINS AND MANHOLES TO BE INSPECTED PRIOR TO CONSTRUCTION. EXISTING MANHOLE COVERS TO BE REPLACED IF DEEMED NECESSARY DURING INSPECTION.
13. SURPLUS MATERIAL TO BE REMOVED AND DISPOSED OFFSITE AT CONTRACTOR'S EXPENSE.
14. CONTRACTOR IS RESPONSIBLE FOR LOCATING A SUITABLE WASTE DISPOSAL SITE ACCEPTABLE TO THE CLIENT, AND TO COORDINATE THE REMOVAL OF ALL WASTE TO THAT WASTE DISPOSAL SITE.
15. PEDESTRIAN AND EMERGENCY ACCESS MUST BE MAINTAINED AT ALL TIMES.
16. FENCING SHALL BE PLACED AROUND OPEN EXCAVATION WHEN WORK IS NOT IN PROGRESS IN ALL AREAS WHICH MAY BE ACCESSED BY PEDESTRIANS.
17. THE EXTENTS OF ASPHALT REPLACEMENT AND SIDEWALK REPLACEMENT ARE TO BE CONFIRMED PRIOR TO CONSTRUCTION.
18. EXISTING TREES TO BE REMOVED AND RELOCATED TO LOCATIONS AS DETERMINED BY THE REGIONAL MUNICIPALITY OF WOOD BUFFALO PARKS DEPARTMENT. CONTRACTOR TO ADHERE TO DIRECTIONS PROVIDED BY THE REGIONAL MUNICIPALITY OF WOOD BUFFALO PARKS ARBORIST FOR THE METHODOLOGY FOR RELOCATION OF EXISTING TREES INCLUDING, BUT NOT LIMITED TO SPADE SIZE, TIME OF YEAR TO RELOCATE, WATERING AND FERTILIZING.
19. ALL TREES TO BE PROTECTED AS PER ESS DETAIL 10-504.
20. TRAFFIC ACCOMMODATIONS AND DETOURS TO BE APPROVED BY THE CONSULTANT AND THE REGIONAL MUNICIPALITY OF WOOD BUFFALO BEFORE STARTING CONSTRUCTION.
21. CONTRACTOR TO MAINTAIN DAILY RECORDS OF TRAFFIC CONTROL SIGN LOCATIONS DURING CONSTRUCTION.
22. THE CONTRACTOR IS RESPONSIBLE FOR ALL DETOURING AND CONSTRUCTION SIGNAGE.
23. A TRAFFIC CONTROL PLAN MUST BE SUBMITTED TO THE CONSULTANT FOR REVIEW ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
24. CONTRACTOR TO PROVIDE NOISE, VIBRATION AND DUST CONTROL TO THE SATISFACTION OF THE REGIONAL MUNICIPALITY OF WOOD BUFFALO.
25. NO WORK WILL BE CONDUCTED BEYOND THE LIMITS OF THE REGIONAL MUNICIPALITY OF WOOD BUFFALO NOISE BYLAW.
26. HIGHEST PRIORITY SHALL BE GIVEN TO MAINTAINING NOISE CONTROL, DUST CONTROL, AND AIR QUALITY MONITORING OF ADJOINING RESIDENCES FOLLOWING APPLICABLE CODES, REGULATIONS, MUNICIPALITY STANDARDS, AND BYLAWS.
27. CONTRACTOR TO PREPARE CONSTRUCTION NOTICE, AND HAVE IT APPROVED BY THE RMWB COMMUNICATION DEPARTMENT.
28. FORCE ACCOUNT WORK IS TO BE APPROVED BY ENGINEER BEFORE START OF WORK.
29. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR CATCH BASINS, DUAL CATCH BASINS, CATCH BASIN MANHOLE, OIL AND WATER SEPARATOR, OIL AND GRIT SEPARATOR AND GATE VALVE.
30. ALL STORM PIPES TO BE INSULATED AS PER RMWB ENGINEERING SERVICING STANDARD DETAILS #7-500

AECOM

CONSULTANT

PRIME:
AECOM Canada Architects Ltd.
Suite 330, 3292 Production Way
Burnaby, BC, Canada, V5A 4R4

PROJECT

**FORT McMURRAY
AIRPORT RENTAL CAR
WASH / QTA FACILITY**

76 SNOWBIRD WAY
FORT McMURRAY, ALBERTA

PROJECT NUMBER

60723990

CLIENT



REGISTERED OWNER:
FORT McMURRAY AIRPORT
Address
City, Province, A1A 1A1

NORTH ARROW AND KEYPLAN



KEY PLAN

NOTE:
IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO INFORM THEMSELVES OF THE EXACT LOCATION OF, AND ASSUME ALL LIABILITY FOR DAMAGE TO ALL UTILITIES, SERVICES AND STRUCTURES WHETHER ABOVE GROUND OR BELOW GRADE BEFORE COMMENCING THE WORK. SUCH INFORMATION IS NOT NECESSARILY SHOWN ON THE DRAWING, AND WHERE SHOWN, THE ACCURACY CANNOT BE GUARANTEED. WITH THE SOLE EXCEPTION OF THE BENCHMARK(S) SPECIFICALLY DESCRIBED FOR THIS PROJECT, NO ELEVATION INDICATED OR ASSUMED HEREON IS TO BE USED AS A REFERENCE ELEVATION FOR ANY PURPOSE.

REGISTRATION

ISSUE/REVISION

NO.	DATE	DESCRIPTION
5	2025-06-06	ISSUED FOR TENDER
4	2025-04-22	ISSUED FOR TENDER (DRAFT)
3	2025-01-31	ISSUED FOR 100% REVIEW
2	2025-01-17	ISSUED FOR 90% REVIEW
1	2024-10-11	ISSUED FOR DP RT

PRODUCTION INFORMATION

DRAWN: SY
REVIEWED: JM
VERIFIED: HP

SHEET TITLE

GENERAL NOTES AND LEGEND

SHEET NUMBER

C-0001

REVISION

4

**PRELIMINARY
NOT FOR CONSTRUCTION**

ARCH D 24"x 36"

5

4

3

2

1

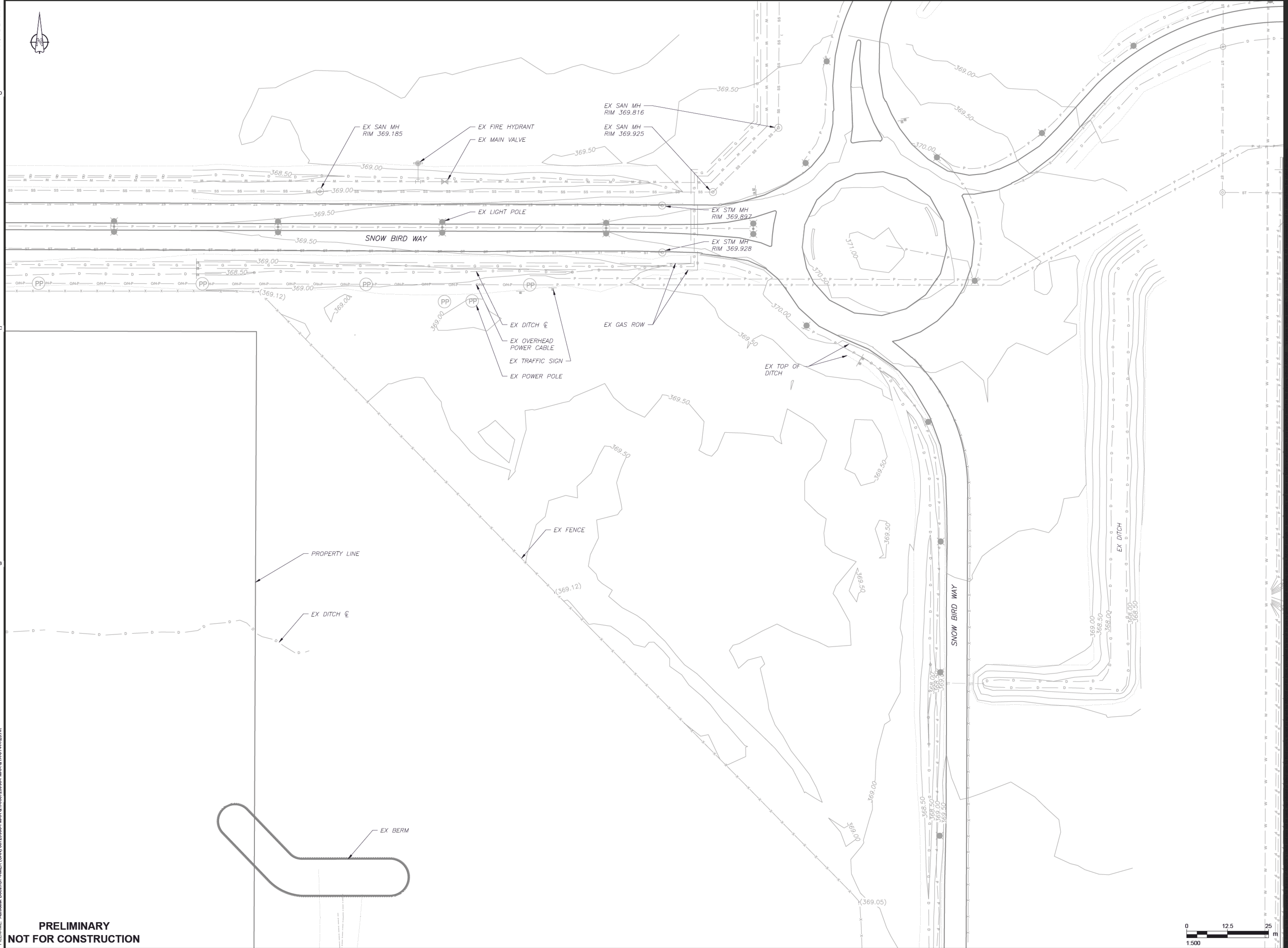
D

C

B

FILENAME: Autodesk Docu/BP-AMER (CAN) 60723990.FMAA QTA 01 A-R23.rvt

Last Plotted: 3/19/2024 12:02:30 PM



PRELIMINARY
NOT FOR CONSTRUCTION

AECOM

CONSULTANT
PRIME:
AECOM Canada Architects Ltd.
Suite 330, 3292 Production Way
Burnaby, BC, Canada, V5A 4R4

PROJECT
**FORT McMURRAY
AIRPORT RENTAL CAR
WASH / QTA FACILITY**

76 SNOWBIRD WAY
FORT McMURRAY, ALBERTA

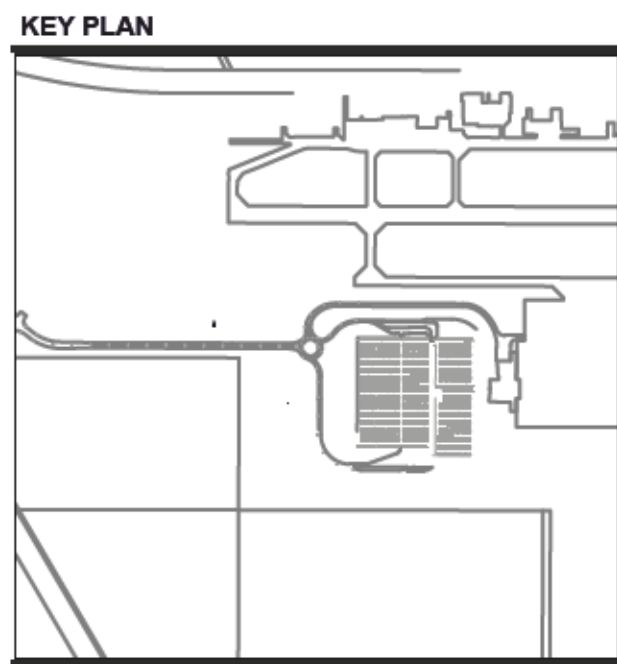
PROJECT NUMBER
60723990

CLIENT



REGISTERED OWNER:
FORT McMURRAY AIRPORT
Address
City, Province, A1A 1A1

NORTH ARROW AND KEYPLAN



NOTE:
IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO INFORM
THEMSELVES OF THE EXACT LOCATION OF, AND ASSUME ALL LIABILITY
FOR DAMAGE TO ALL UTILITIES, SERVICES AND STRUCTURES WHETHER
ABOVE GROUND OR BELOW GRADE BEFORE COMMENCING THE WORK.
SUCH INFORMATION IS NOT NECESSARILY SHOWN ON THE DRAWING,
AND WHERE SHOWN, THE ACCURACY CANNOT BE GUARANTEED.
WITH THE SOLE EXCEPTION OF THE BENCHMARKS SPECIFICALLY
DESCRIBED FOR THIS PROJECT, NO ELEVATION INDICATED OR ASSUMED
HEREON IS TO BE USED AS A REFERENCE ELEVATION FOR ANY PURPOSE.

REGISTRATION

ISSUE/REVISION		
5	2025-06-06	ISSUED FOR TENDER
4	2025-04-22	ISSUED FOR TENDER (DRAFT)
3	2025-01-31	ISSUED FOR 100% REVIEW
2	2025-01-17	ISSUED FOR 90% REVIEW
1	2024-10-11	ISSUED FOR DP RT

PRODUCTION INFORMATION
DRAWN: JY
REVIEWED: JM
VERIFIED: HP

SHEET TITLE
EXISTING SITE CONDITION

SHEET NUMBER
C-1000

REVISION
4

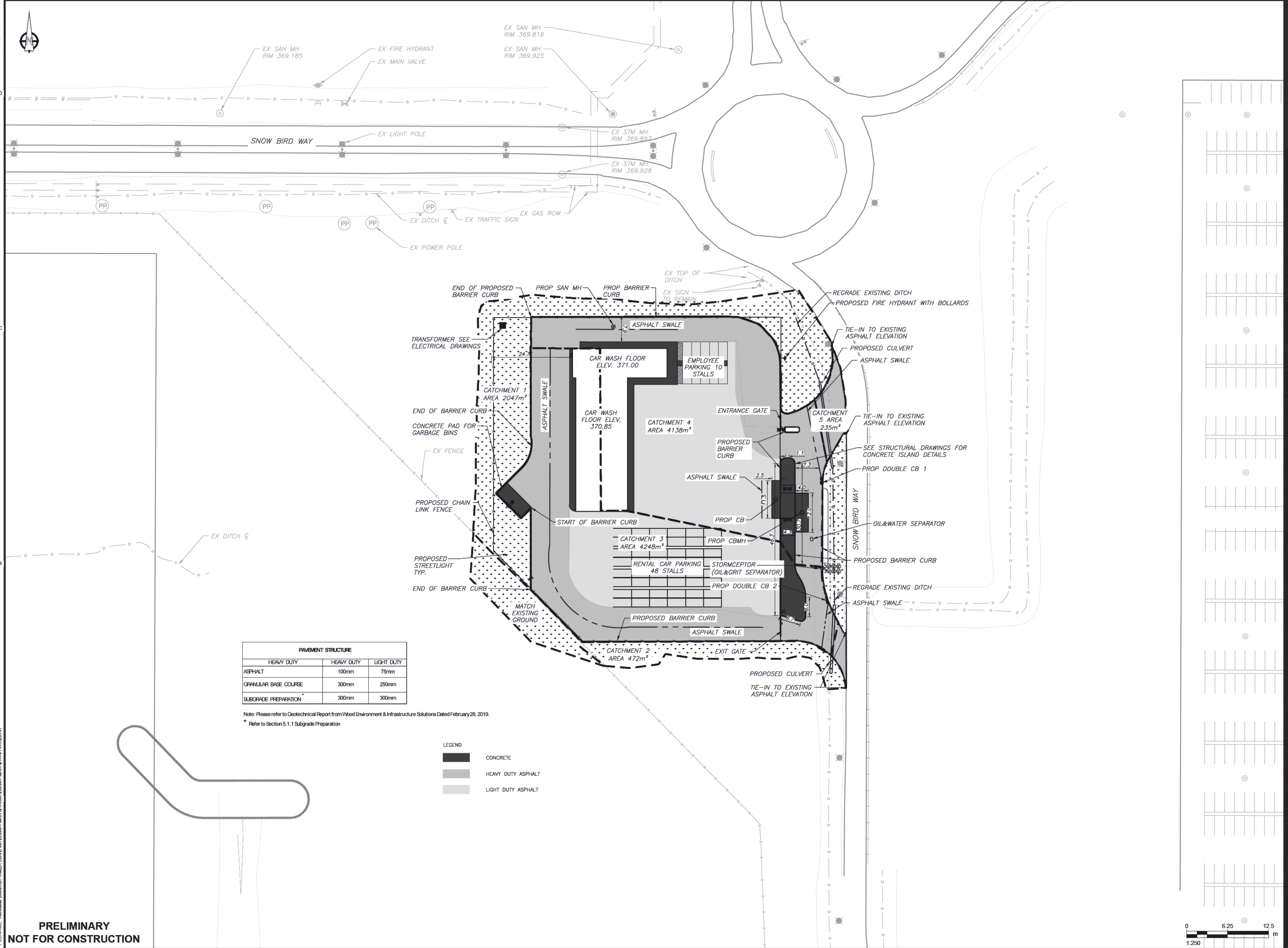
ARCH D 24"x 36"

D

C

B

Last Plotted: 3/19/2024 12:02:30 PM
FILENAME: Autodesk Docu/BP-AMER (CAN) 60723990-FMAA QTA 01 A-R23.rvt



PAVEMENT STRUCTURE		
HEAVY DUTY	HEAVY DUTY	LIGHT DUTY
ASPHALT	100mm	75mm
GRANULAR BASE COURSE	300mm	250mm
SUBGRADE PREPARATION *	300mm	300mm

Note: Please refer to Geotechnical Report from Vibrod Environment & Infrastructure Solutions Dated February 28, 2019.
* Refer to Section 5.1.1 Subgrade Preparation

LEGEND	
	CONCRETE
	HEAVY DUTY ASPHALT
	LIGHT DUTY ASPHALT

PRELIMINARY
NOT FOR CONSTRUCTION



CONSULTANT
PRIME:
AECOM Canada Architects Ltd.
Suite 330, 3292 Production Way
Burnaby, BC, Canada, V5A 4R4

PROJECT
**FORT McMURRAY
AIRPORT RENTAL CAR
WASH / QTA FACILITY**

76 SNOWBIRD WAY
FORT McMURRAY, ALBERTA

PROJECT NUMBER
60723990

CLIENT



REGISTERED OWNER:
FORT McMURRAY AIRPORT
Address
City, Province, A1A 1A1

NORTH ARROW AND KEYPLAN



KEY PLAN

NOTE:
IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO INFORM
THEMSELVES OF THE EXACT LOCATION OF, AND ASSUME ALL LIABILITY
FOR DAMAGE TO ALL UTILITIES, SERVICES AND STRUCTURES WHETHER
ABOVE GROUND OR BELOW GRADE BEFORE COMMENCING THE WORK.
SUCH INFORMATION IS NOT NECESSARILY SHOWN ON THE DRAWING,
AND WHERE SHOWN, THE ACCURACY CANNOT BE GUARANTEED.
WITH THE SOLE EXCEPTION OF THE BENCHMARKS SPECIFICALLY
DESCRIBED FOR THIS PROJECT, NO ELEVATION INDICATED OR ASSUMED
HEREON IS TO BE USED AS A REFERENCE ELEVATION FOR ANY PURPOSE.

REGISTRATION

ISSUE/REVISION		
5	2025-06-06	ISSUED FOR TENDER
4	2025-04-22	ISSUED FOR TENDER (DRAFT)
3	2025-01-31	ISSUED FOR 100% REVIEW
2	2025-01-17	ISSUED FOR 90% REVIEW
1	2024-10-11	ISSUED FOR DP R1
W/R	DATE	DESCRIPTION

PRODUCTION INFORMATION
DRAWN: SY
REVIEWED: JM
VERIFIED: HP

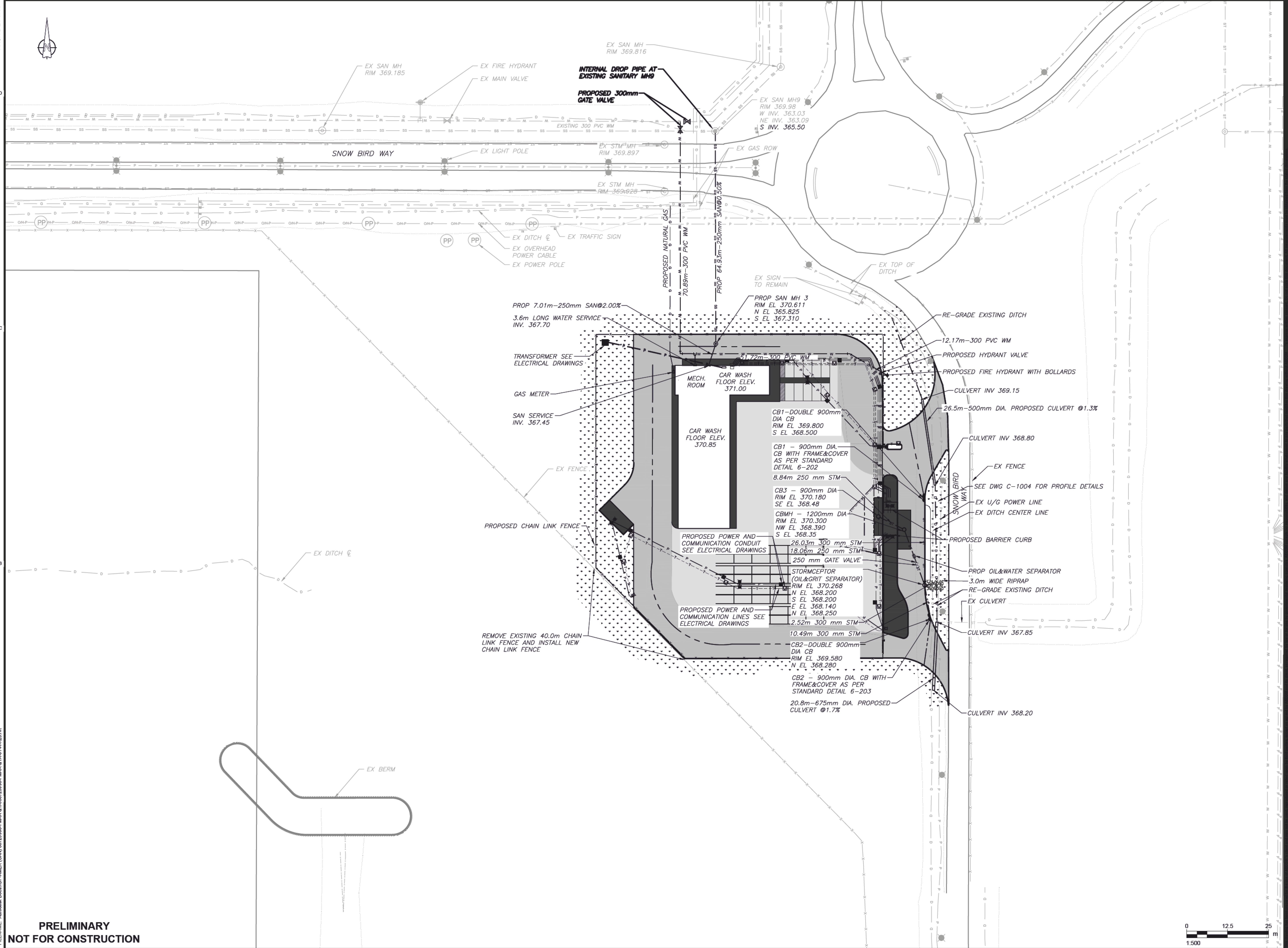
SHEET TITLE
PAVEMENT STRUCTURE PLAN

SHEET NUMBER
C-1001

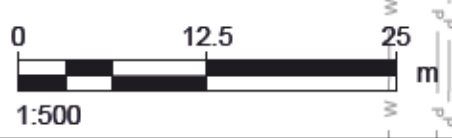
REVISION
4

ARCH D 24"x 36"

Last Printed: 3/19/2024 12:02:30 PM
FILENAME: Autocad Docx/IBP-AMER (CAN) 60723990-FMAA-GTA-60723990-FMAA-GTA-01-A-R23.rvt



PRELIMINARY
NOT FOR CONSTRUCTION



AECOM

CONSULTANT

PRIME:
AECOM Canada Architects Ltd.
Suite 330, 3292 Production Way
Burnaby, BC, Canada, V5A 4R4

PROJECT

**FORT McMURRAY
AIRPORT RENTAL CAR
WASH / QTA FACILITY**

76 SNOWBIRD WAY
FORT McMURRAY, ALBERTA

PROJECT NUMBER
60723990

CLIENT

**FORT McMURRAY
INTERNATIONAL AIRPORT**

REGISTERED OWNER:
FORT McMURRAY AIRPORT
Address
City, Province, A1A 1A1

NORTH ARROW AND KEYPLAN

PN
N

KEY PLAN

NOTE:
IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO INFORM
THEMSELVES OF THE EXACT LOCATION OF, AND ASSUME ALL LIABILITY
FOR DAMAGE TO ALL UTILITIES, SERVICES AND STRUCTURES WHETHER
ABOVE GROUND OR BELOW GRADE BEFORE COMMENCING THE WORK.
SUCH INFORMATION IS NOT NECESSARILY SHOWN ON THE DRAWING,
AND WHERE SHOWN, THE ACCURACY CANNOT BE GUARANTEED.
WITH THE SOLE EXCEPTION OF THE BENCHMARKS SPECIFICALLY
DESCRIBED FOR THIS PROJECT, NO ELEVATION INDICATED OR ASSUMED
HEREON IS TO BE USED AS A REFERENCE ELEVATION FOR ANY PURPOSE.

REGISTRATION

ISSUE/REVISION
5 2025-06-06 ISSUED FOR TENDER
4 2025-04-22 ISSUED FOR TENDER (DRAFT)
3 2025-01-31 ISSUED FOR 100% REVIEW
2 2025-01-17 ISSUED FOR 90% REVIEW
1 2024-10-11 ISSUED FOR DP RT
W/R DATE DESCRIPTION

PRODUCTION INFORMATION

DRAWN: SY

REVIEWED: JM

VERIFIED: HP

SHEET TITLE

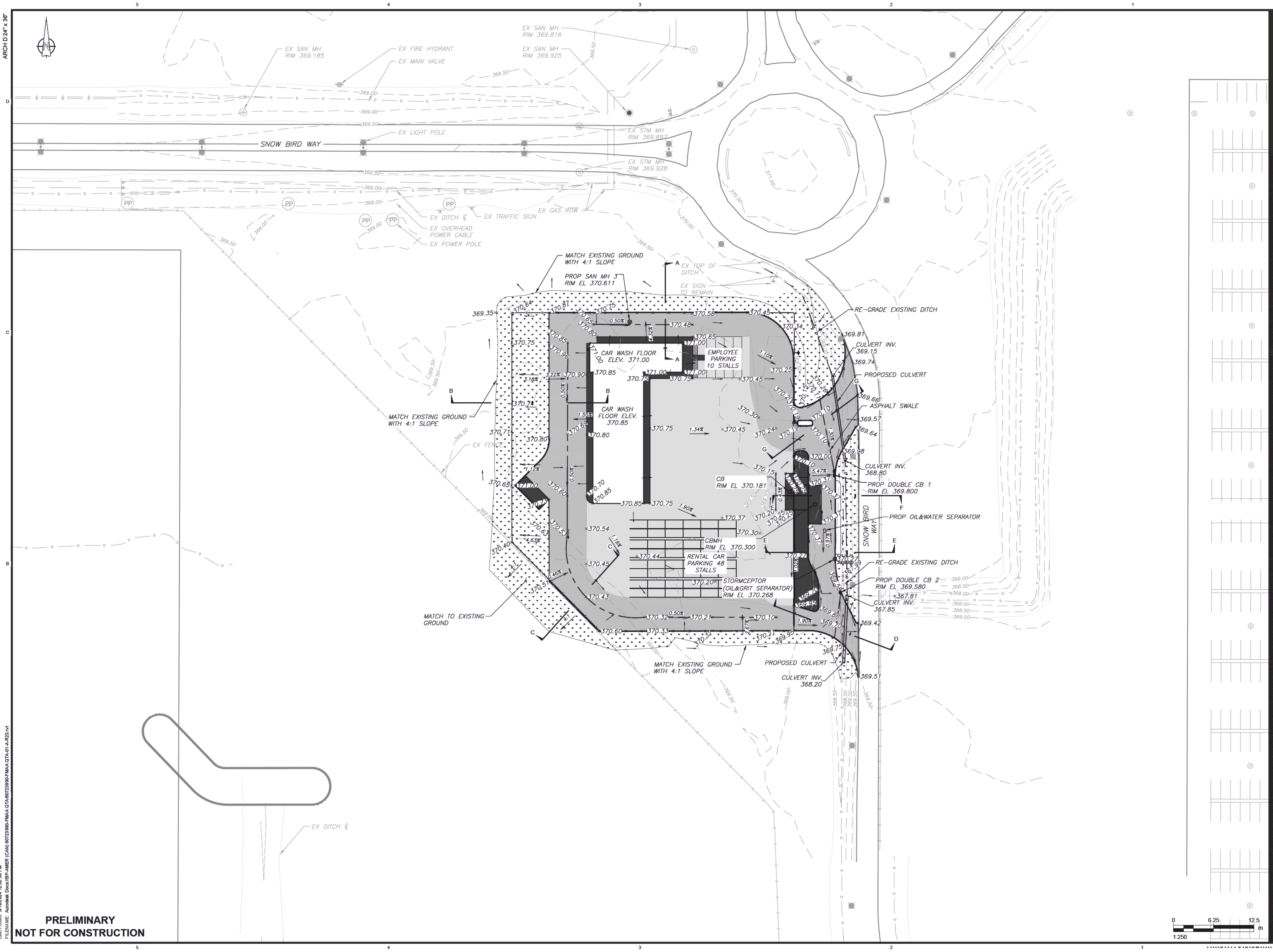
SERVICING PLAN

SHEET NUMBER

C-1002

REVISION

4



ARCH D 24"x 36"

5

4

3

2

1

D

C

B

5

4

3

2

1

5

4

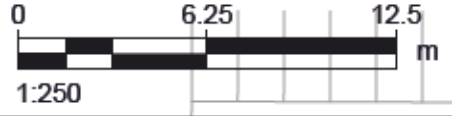
3

2

1

PRELIMINARY
NOT FOR CONSTRUCTION

Last Plotted: 3/19/2024 12:02:30 PM
FILENAME: Autodesk Docu/BP-AMER (CAN) 60723990.FMAA QTA 60723990.FMAA QTA 01 4-R23.rvt



CONSULTANT
PRIME:
AECOM Canada Architects Ltd.
Suite 330, 3292 Production Way
Burnaby, BC, Canada, V5A 4R4

PROJECT
**FORT McMURRAY
AIRPORT RENTAL CAR
WASH / QTA FACILITY**

76 SNOWBIRD WAY
FORT McMURRAY, ALBERTA

PROJECT NUMBER
60723990

CLIENT



REGISTERED OWNER:
FORT McMURRAY AIRPORT
Address
City, Province, A1A 1A1

NORTH ARROW AND KEYPLAN



KEY PLAN

NOTE:
IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO INFORM
THEMSELVES OF THE EXACT LOCATION OF, AND ASSUME ALL LIABILITY
FOR DAMAGE TO ALL UTILITIES, SERVICES AND STRUCTURES WHETHER
ABOVE GROUND OR BELOW GRADE BEFORE COMMENCING THE WORK.
SUCH INFORMATION IS NOT NECESSARILY SHOWN ON THE DRAWING,
AND WHERE SHOWN, THE ACCURACY CANNOT BE GUARANTEED.
WITH THE SOLE EXCEPTION OF THE BENCHMARKS SPECIFICALLY
DESCRIBED FOR THIS PROJECT, NO ELEVATION INDICATED OR ASSUMED
HEREON IS TO BE USED AS A REFERENCE ELEVATION FOR ANY PURPOSE.

REGISTRATION

ISSUE/REVISION		
NO	DATE	DESCRIPTION
5	2025-06-06	ISSUED FOR TENDER
4	2025-04-22	ISSUED FOR TENDER (DRAFT)
3	2025-01-31	ISSUED FOR 100% REVIEW
2	2025-01-17	ISSUED FOR 90% REVIEW
1	2024-10-11	ISSUED FOR DP R1

PRODUCTION INFORMATION
DRAWN: SY
REVIEWED: JM
VERIFIED: HP

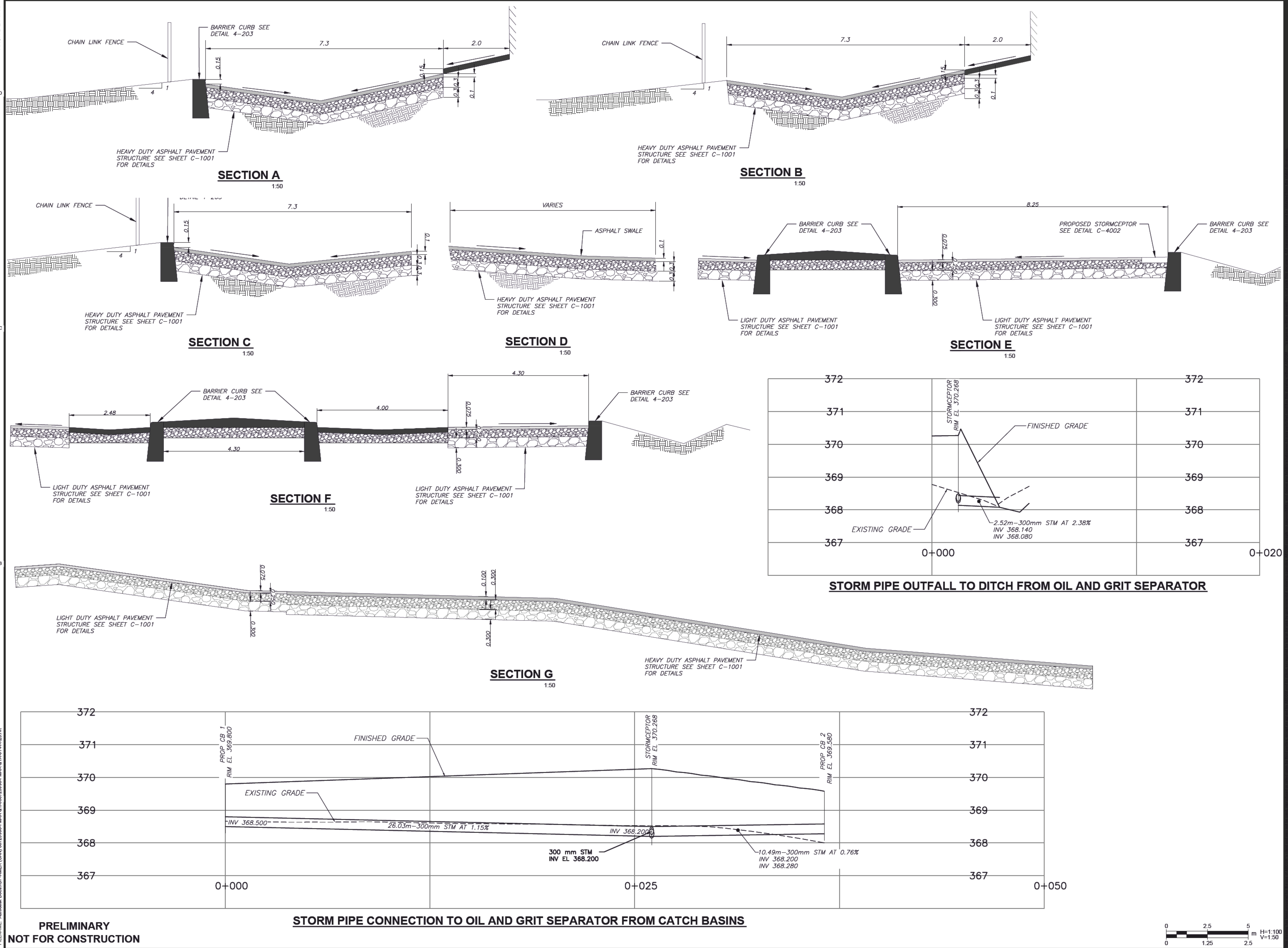
SHEET TITLE
GRADING PLAN

SHEET NUMBER
C-1003

REVISION
4

ARCH D 24"x 36"

Last Printed: 3/19/2024 12:02:30 PM
FILENAME: Autocad Docu/BP-AMER (CAN) 60723990-FMAA-GTA-01-A-R23.rvt



AECOM

CONSULTANT
PRIME:
AECOM Canada Architects Ltd.
Suite 330, 3292 Production Way
Burnaby, BC, Canada, V5A 4R4

PROJECT
FORT McMURRAY
AIRPORT RENTAL CAR
WASH / QTA FACILITY

76 SNOWBIRD WAY
FORT McMURRAY, ALBERTA

PROJECT NUMBER
60723990

CLIENT

REGISTERED OWNER:
FORT McMURRAY AIRPORT
Address
City, Province, A1A 1A1

NORTH ARROW AND KEYPLAN

KEY PLAN

NOTE:
IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO INFORM THEMSELVES OF THE EXACT LOCATION OF AND ASSUME ALL LIABILITY FOR DAMAGE TO ALL UTILITIES, SERVICES AND STRUCTURES WHETHER ABOVE GROUND OR BELOW GRADE BEFORE COMMENCING THE WORK. SUCH INFORMATION IS NOT NECESSARILY SHOWN ON THE DRAWING, AND WHERE SHOWN, THE ACCURACY CANNOT BE GUARANTEED. WITH THE SOLE EXCEPTION OF THE BENCHMARKS SPECIFICALLY DESCRIBED FOR THIS PROJECT, NO ELEVATION INDICATED OR ASSUMED HEREON IS TO BE USED AS A REFERENCE ELEVATION FOR ANY PURPOSE.

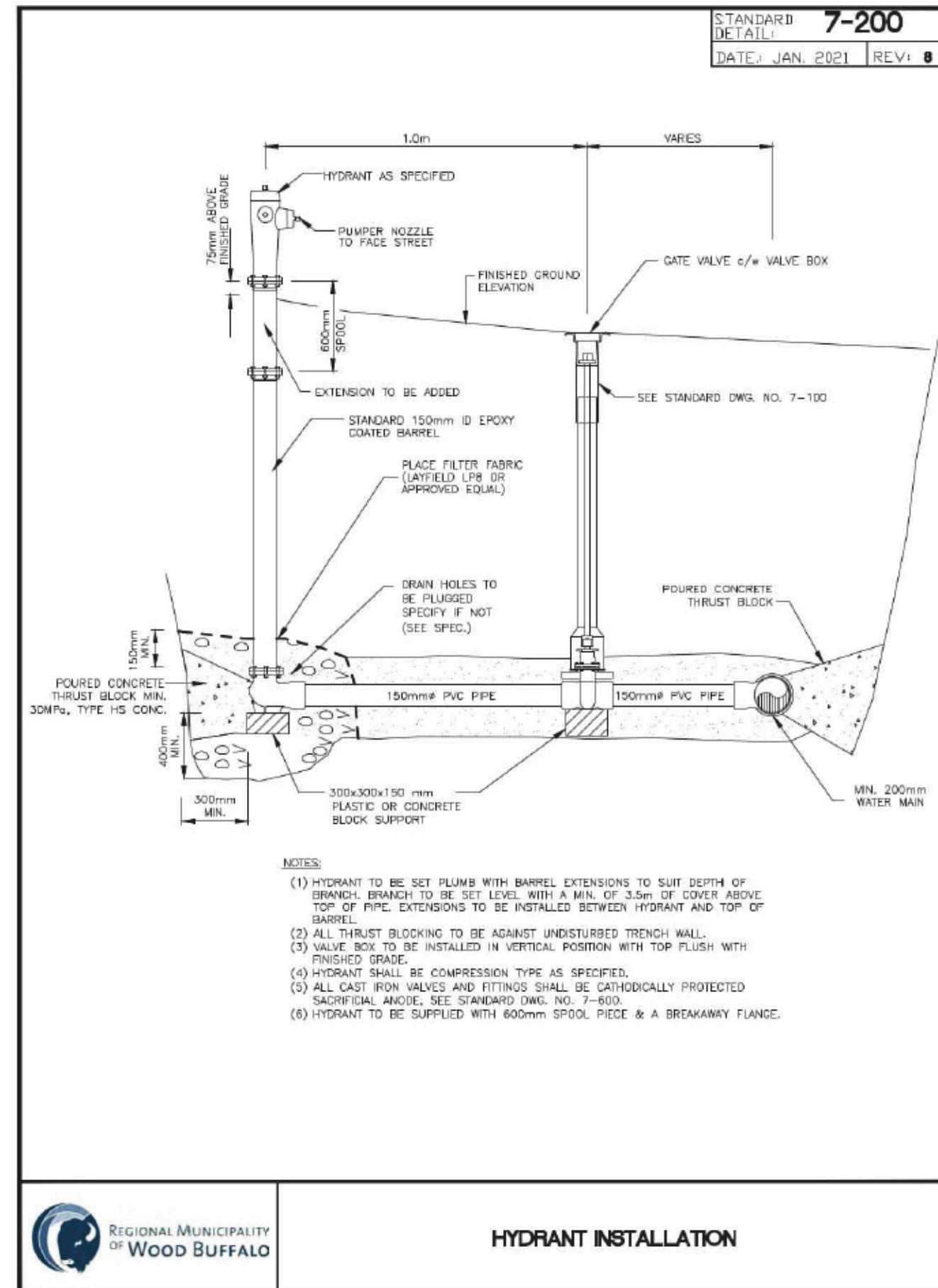
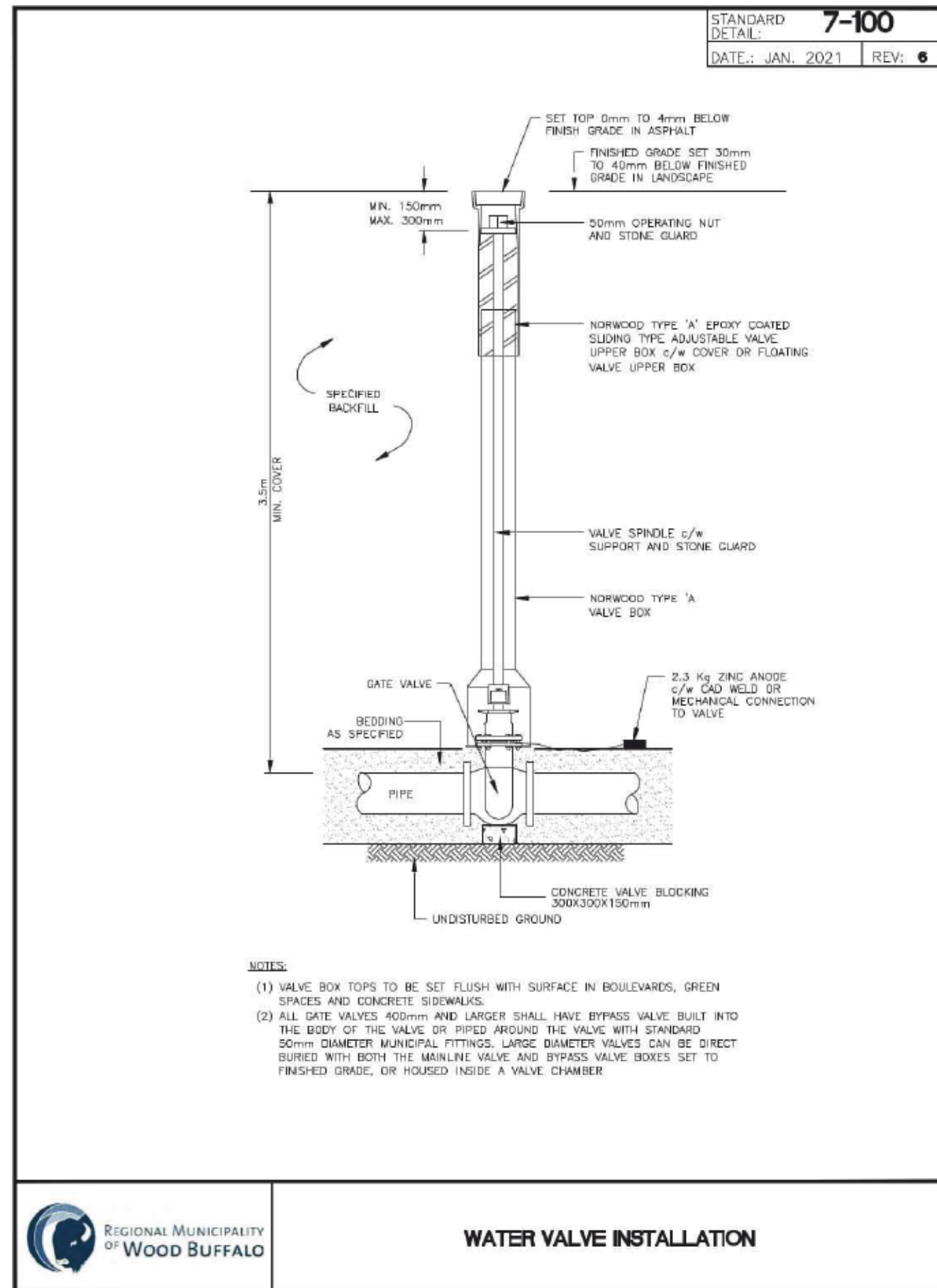
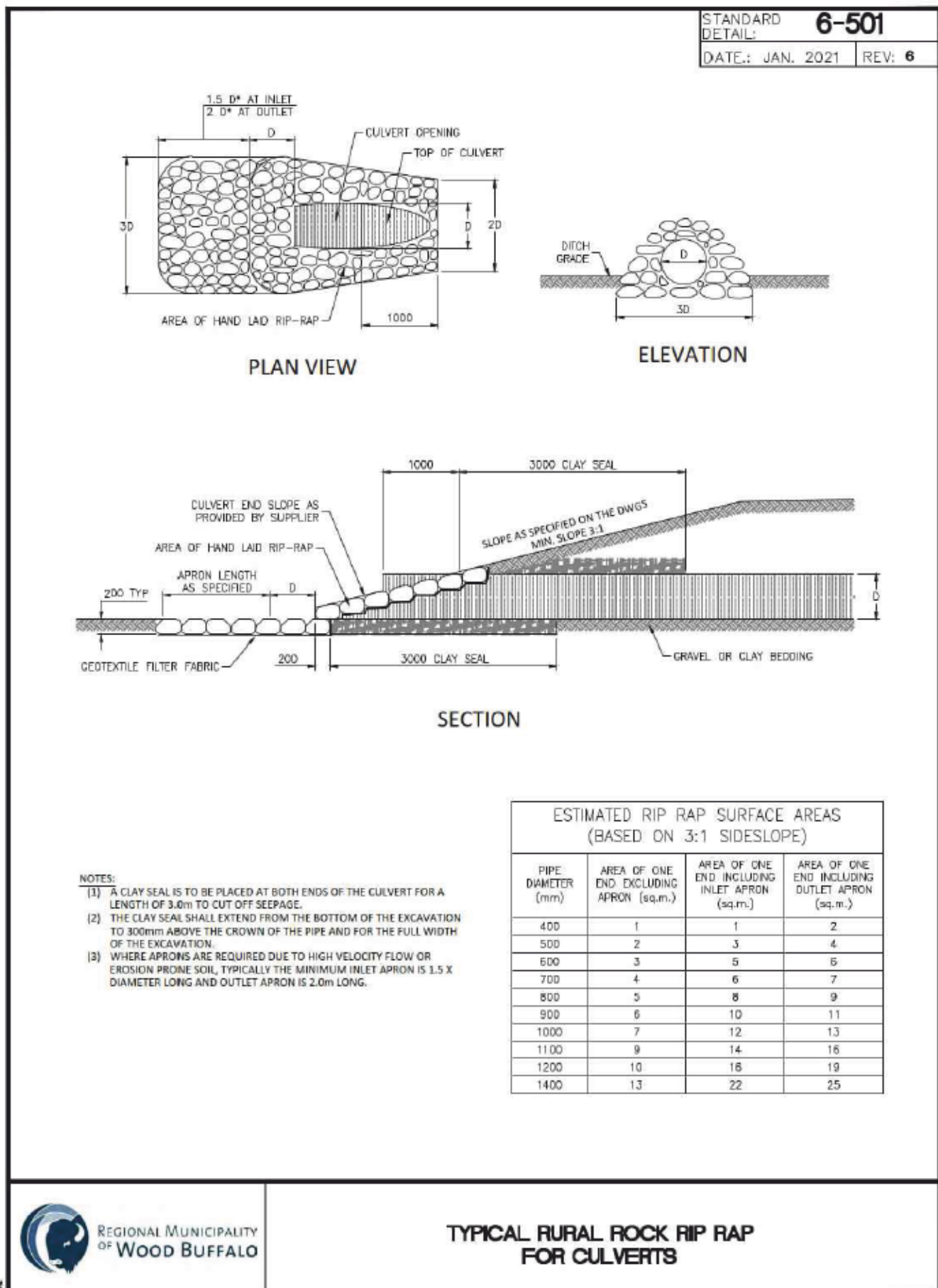
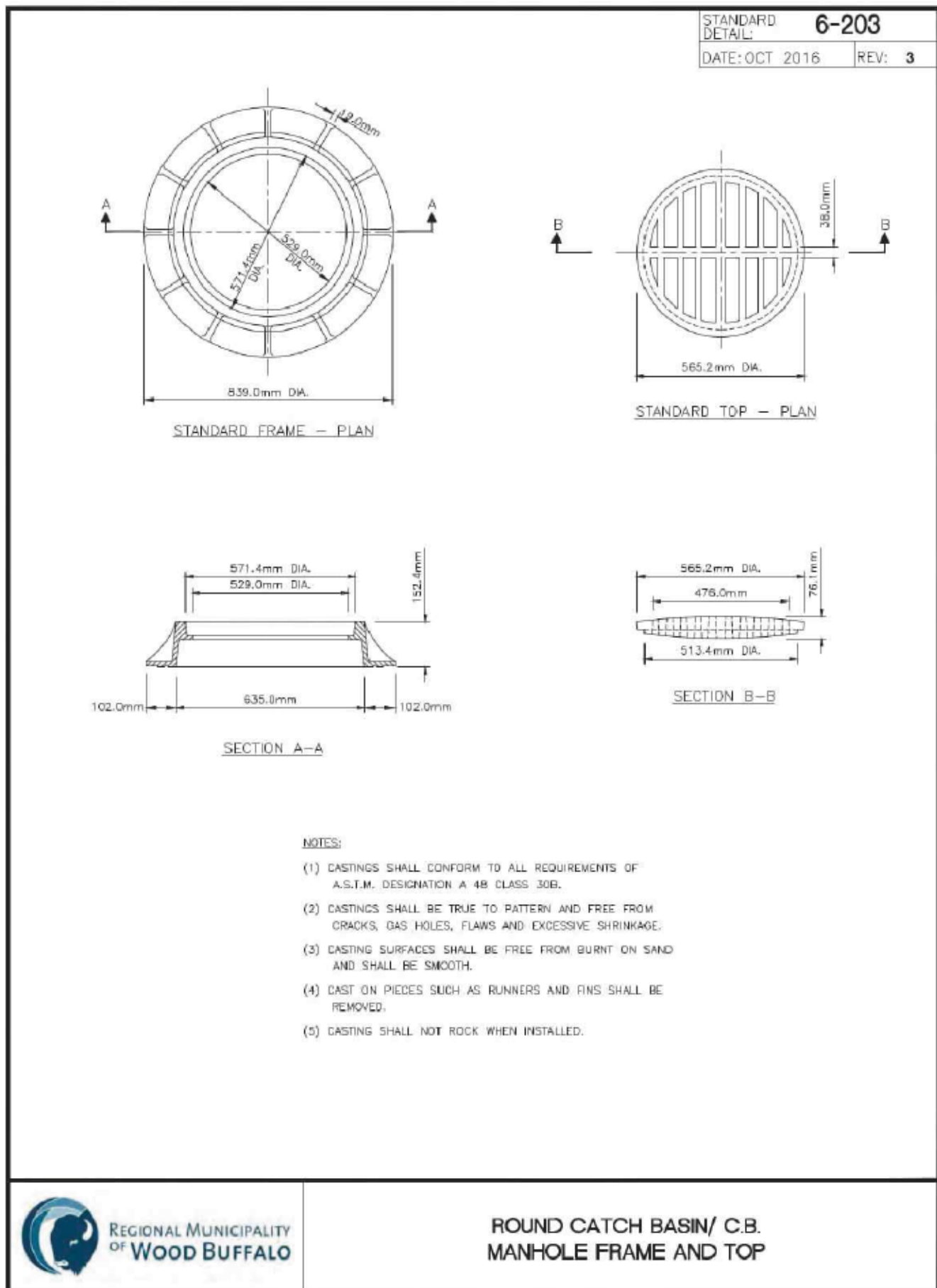
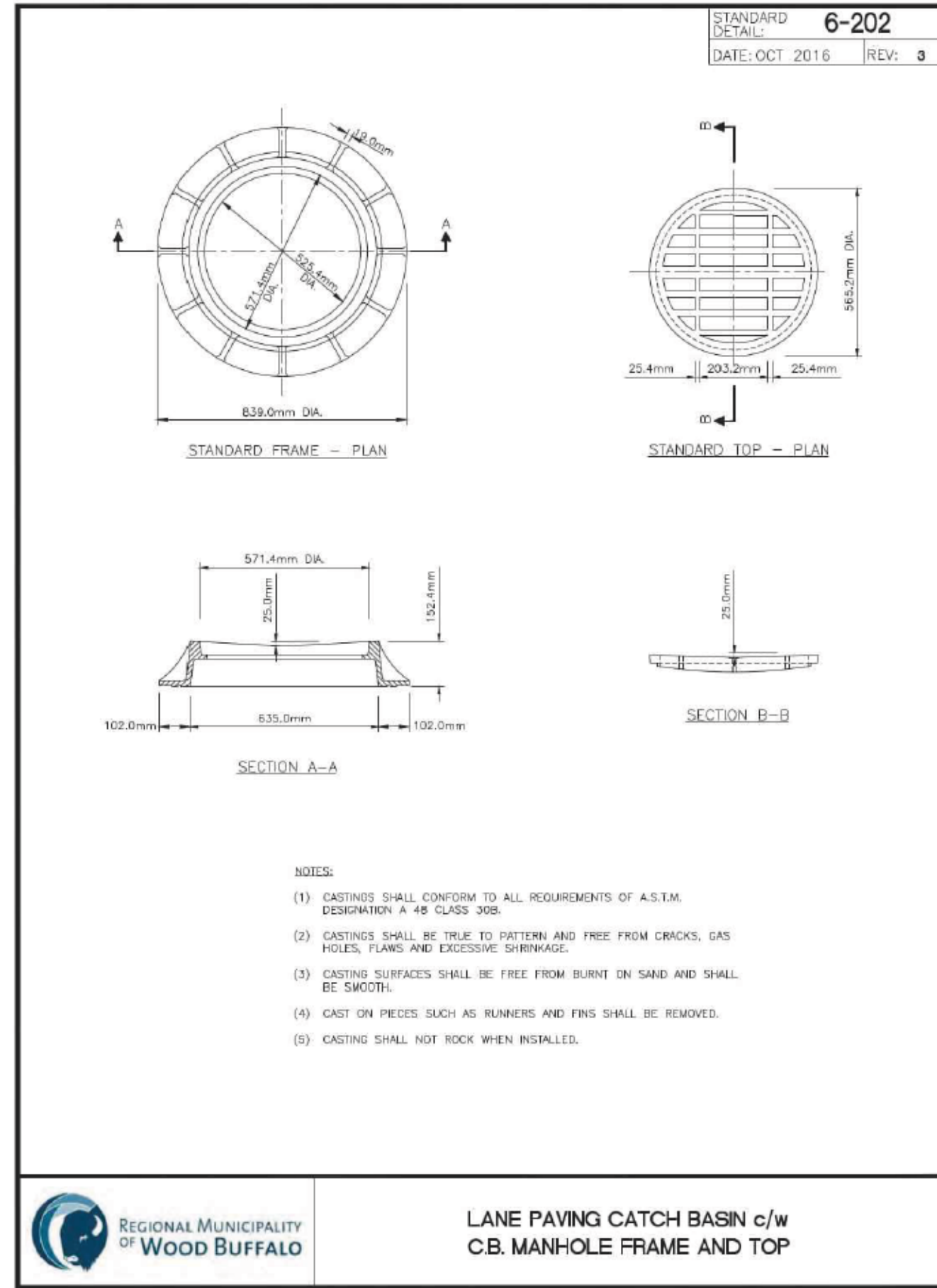
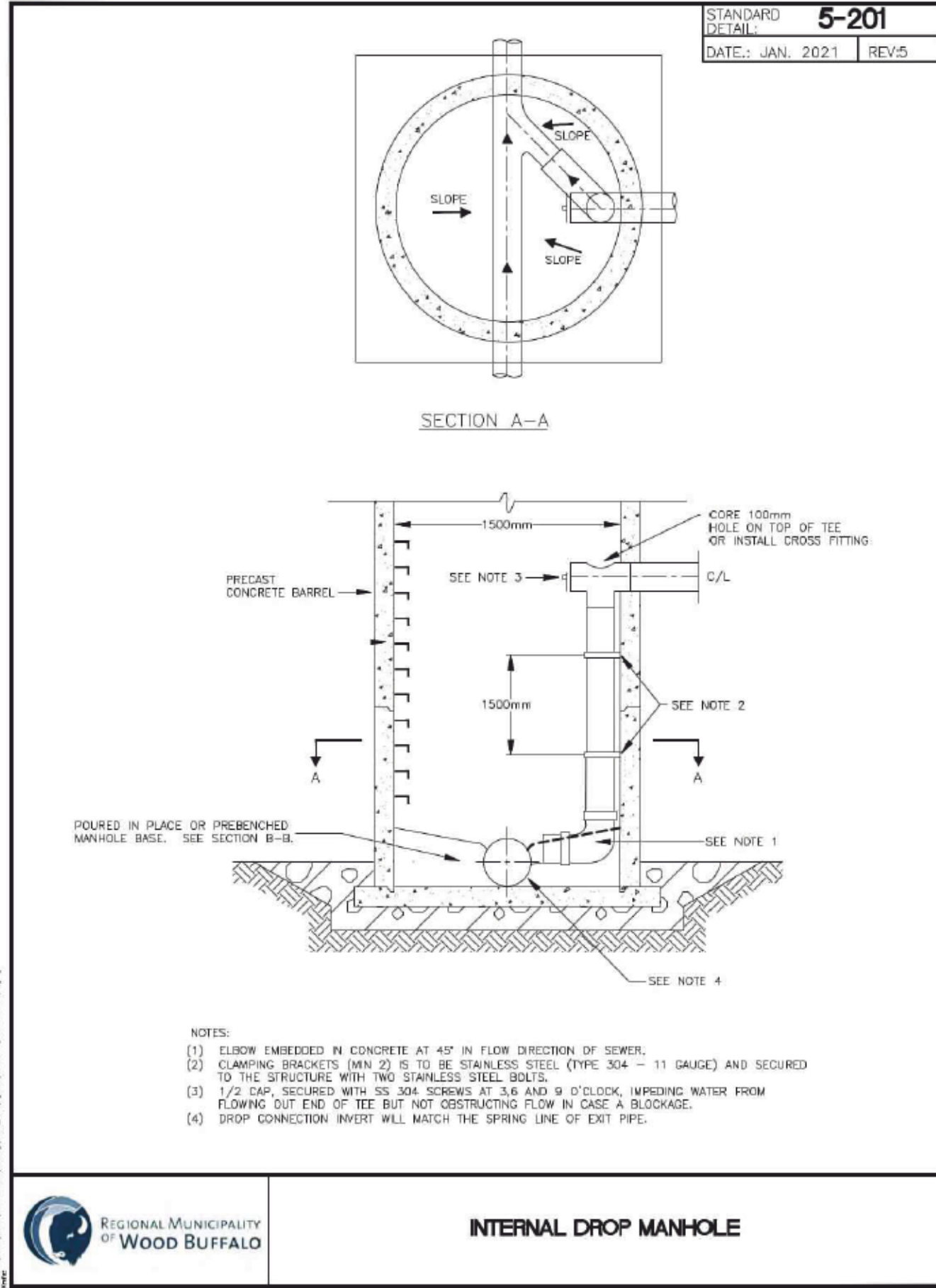
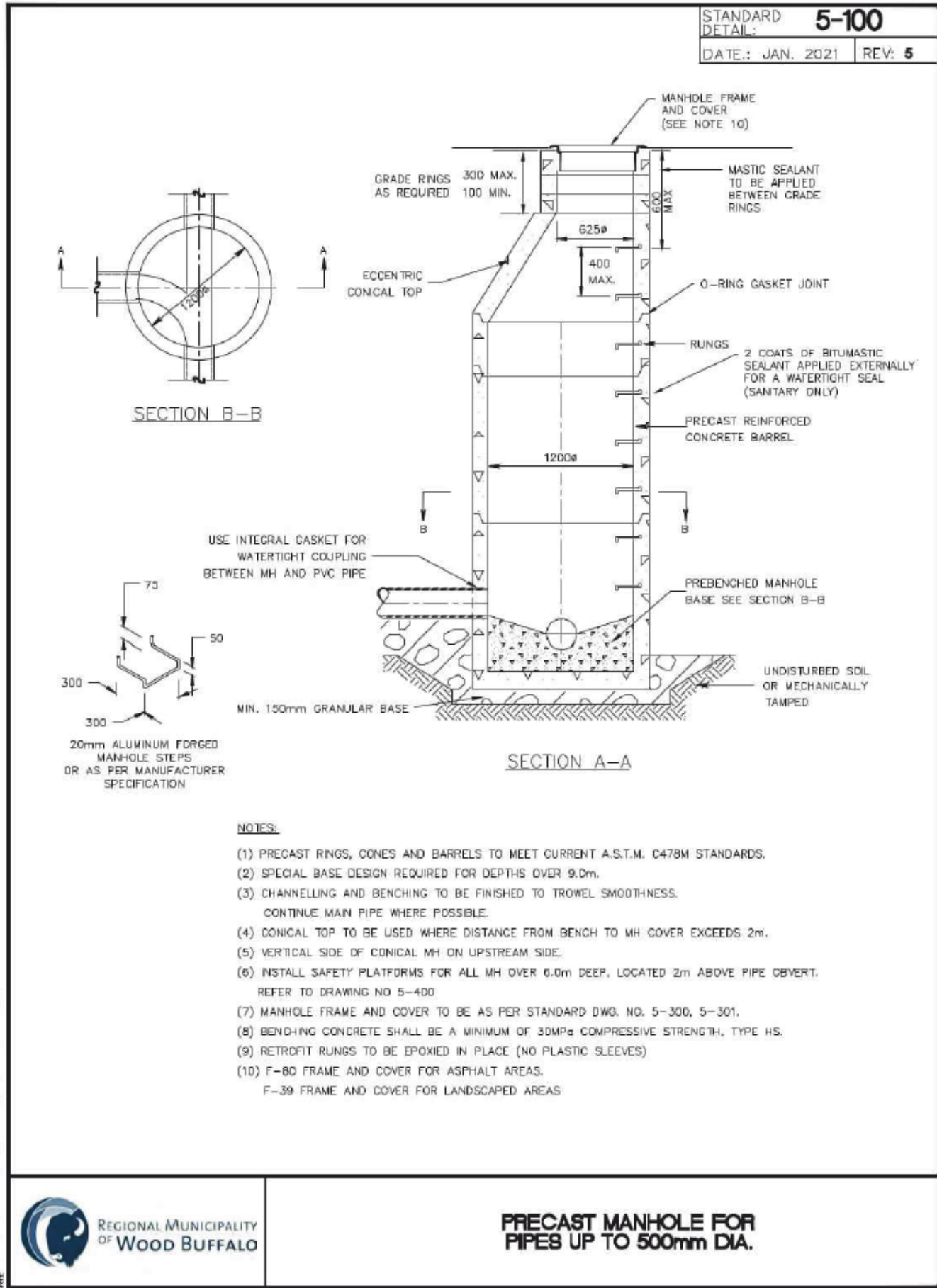
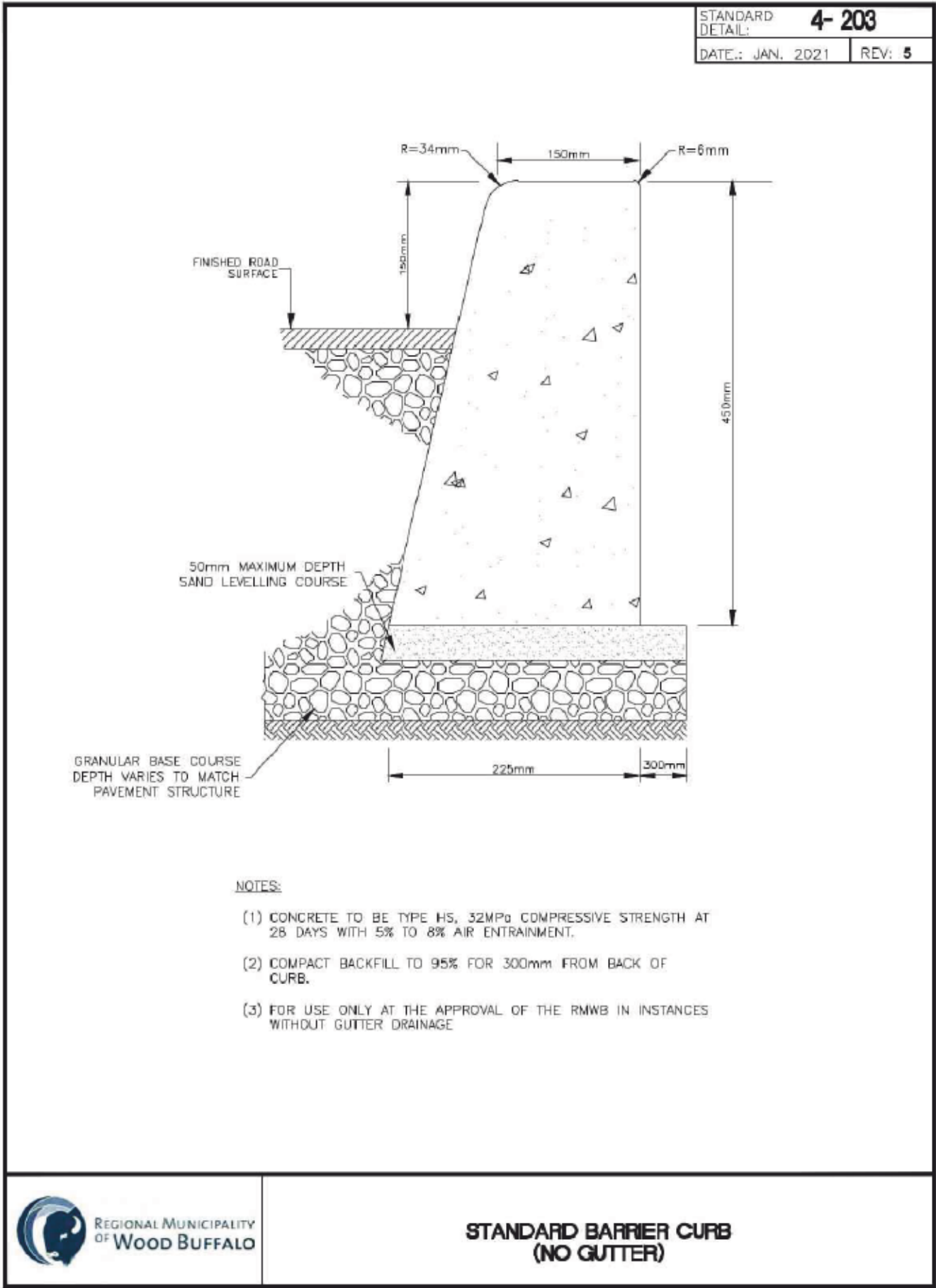
REGISTRATION

ISSUE/REVISION		
NO	DATE	DESCRIPTION
5	2025-06-06	ISSUED FOR TENDER
4	2025-04-22	ISSUED FOR TENDER (DRAFT)
3	2025-01-31	ISSUED FOR 100% REVIEW
2	2025-01-17	ISSUED FOR 90% REVIEW
1	2024-10-11	ISSUED FOR DP RT

PRODUCTION INFORMATION
DRAWN: SY
REVIEWED: JM
VERIFIED: HP

SHEET TITLE
SECTIONS AND PROFILES

SHEET NUMBER	REVISION
C-1004	4



5	2025-06-06	ISSUED FOR TENDER
4	2025-04-22	ISSUED FOR TENDER (DRAFT)
3	2025-01-31	ISSUED FOR 100% REVIEW
2	2025-01-17	ISSUED FOR 90% REVIEW
1	2024-10-11	ISSUED FOR DP RT
1/R	DATE	DESCRIPTION

DRAWN: SY
REVIEWED: JM
VERIFIED: HP

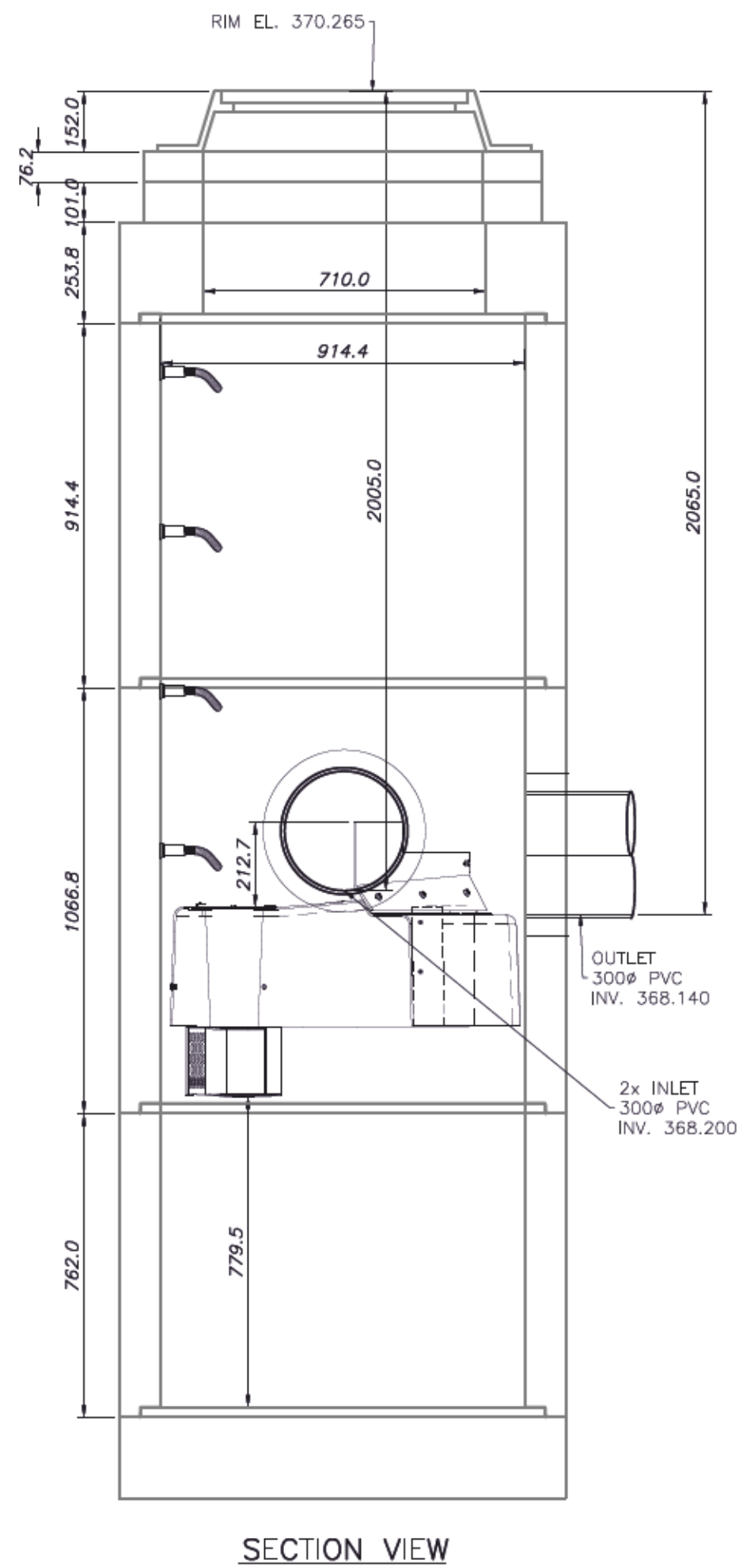
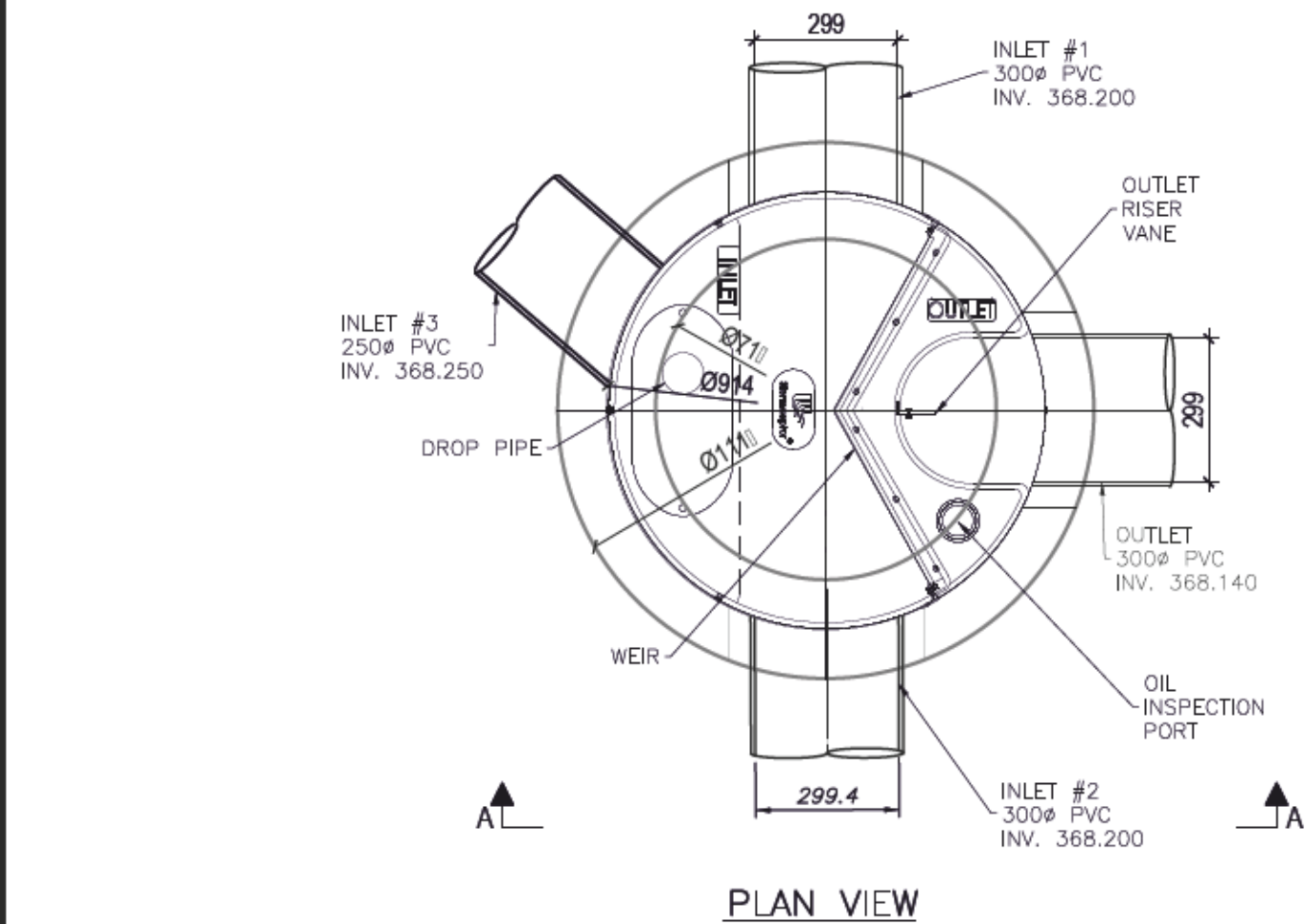
ARCH D 24"x 36"

D

C

B

Last Printed: 3/19/2024 12:02:30 PM
FILENAME: Autocad Docu/BP-AMER (CAN) 60723990-FMAA QTA 60723990-FMAA QTA-01-A-R23.rvt



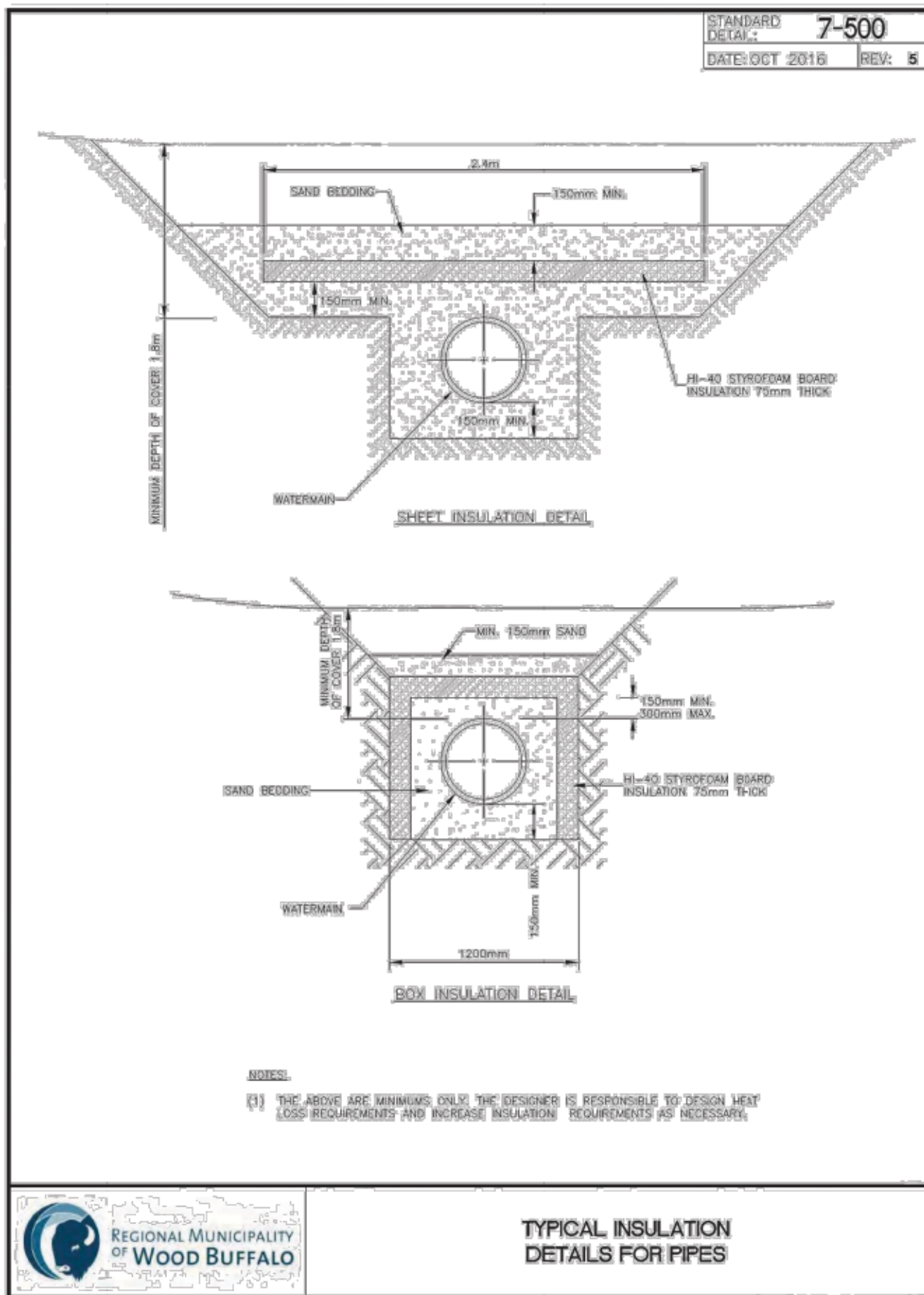
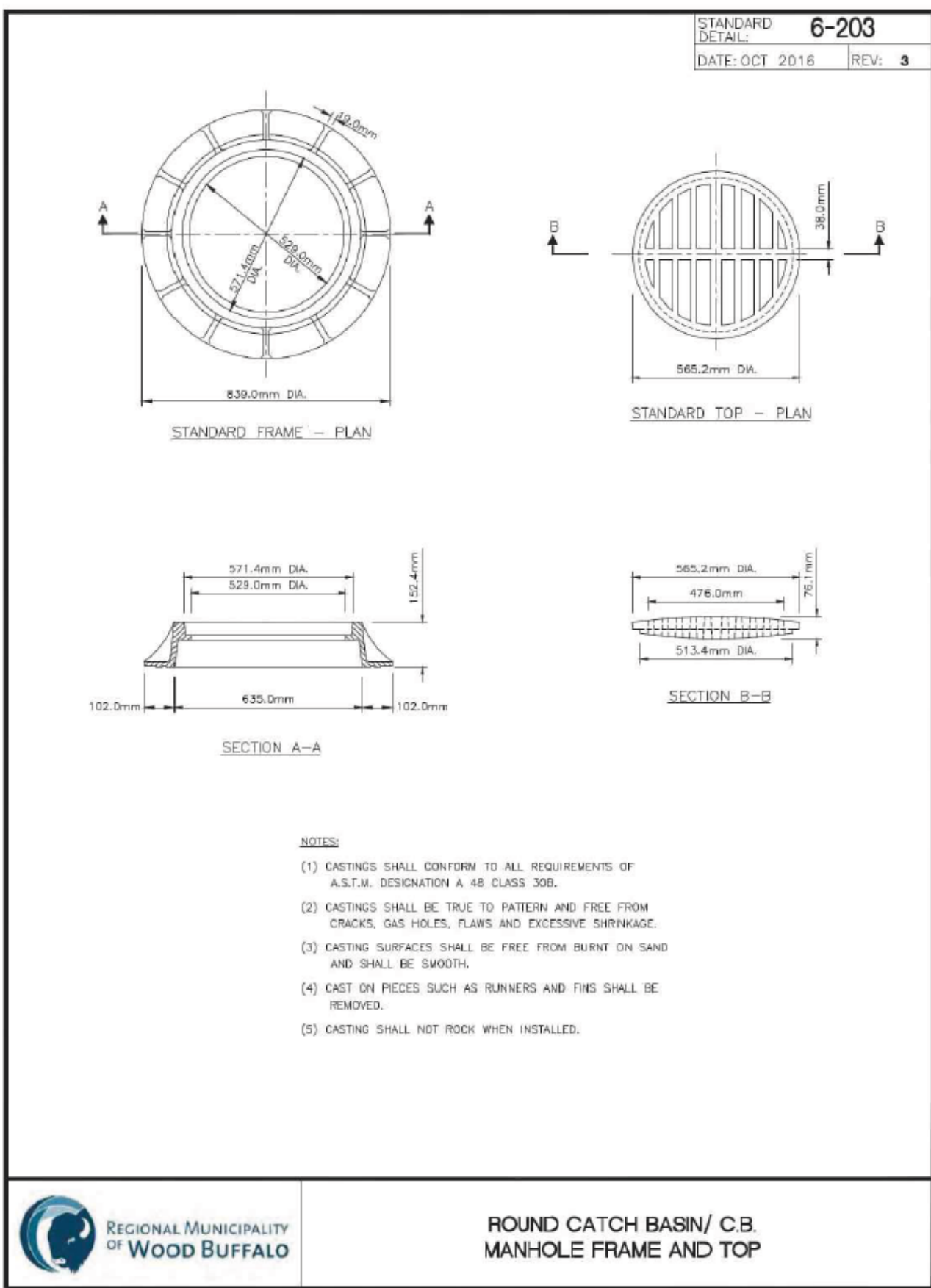
- GENERAL NOTES:**
- * MAXIMUM SURFACE LOADING RATE (SLR) INTO LOWER CHAMBER THROUGH DROP PIPE IS 1135 L/min/m² (27.9 gpm/ft²) FOR STORMCEPTOR EF3 AND 535 L/min/m² (13.1 gpm/ft²) FOR STORMCEPTOR EFO3 (OIL CAPTURE CONFIGURATION). WEIR HEIGHT IS 150 mm (6 INCH) FOR EF03.
 - 1. ALL DIMENSIONS INDICATED ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SPECIFIED.
 - 2. STORMCEPTOR STRUCTURE INLET AND OUTLET PIPE SIZE AND ORIENTATION SHOWN FOR INFORMATIONAL PURPOSES ONLY.
 - 3. UNLESS OTHERWISE NOTED, BYPASS INFRASTRUCTURE, SUCH AS ALL UPSTREAM DIVERSION STRUCTURES, CONNECTING STRUCTURES, OR PIPE CONDUITS CONNECTING TO COMPLETE THE STORMCEPTOR SYSTEM SHALL BE PROVIDED AND ADDRESSED SEPARATELY.
 - 4. DRAWING FOR INFORMATION PURPOSES ONLY. REFER TO ENGINEER'S SITE/UTILITY PLAN FOR STRUCTURE ORIENTATION.
 - 5. NO PRODUCT SUBSTITUTIONS SHALL BE ACCEPTED UNLESS SUBMITTED 10 DAYS PRIOR TO PROJECT BID DATE, OR AS DIRECTED BY THE ENGINEER OF RECORD.

- INSTALLATION NOTES**
- A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
 - B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STRUCTURE (LIFTING CLUTCHES PROVIDED).
 - C. CONTRACTOR WILL INSTALL AND LEVEL THE STRUCTURE, SEALING THE JOINTS, LINE ENTRY AND EXIT POINTS (NON-SHRINK GROUT WITH APPROVED WATERSTOP OR FLEXIBLE BOOT).
 - D. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT THE DEVICE FROM CONSTRUCTION-RELATED EROSION RUNOFF.
 - E. DEVICE ACTIVATION, BY CONTRACTOR, SHALL OCCUR ONLY AFTER SITE HAS BEEN STABILIZED AND THE STORMCEPTOR UNIT IS CLEAN AND FREE OF DEBRIS.

SITE SPECIFIC DATA REQUIREMENTS					
STORMCEPTOR MODEL			EF03		
STRUCTURE ID			ST1		
WATER QUALITY FLOW RATE (L/s)			18.15		
PEAK FLOW RATE (L/s)			139.68		
RETURN PERIOD OF PEAK FLOW (yrs)			5		
DRAINAGE AREA (HA)			0.834		
DRAINAGE AREA IMPERVIOUSNESS (%)			95%		
PIPE DATA:					
	I.E.	MAT'L	DIA	SLOPE %	HGL
INLET #1	368.2	PVC	300	1.15	368.362
INLET #2	368.2	PVC	300	0.76	368.388
INLET #3	368.25	PVC	250	0.55	368.260
OUTLET	368.14	PVC	300	2.00	368.355
* PER ENGINEER OF RECORD					

STORMCEPTOR(OIL&GRIT SEPARATOR) DETAIL

PRELIMINARY
NOT FOR CONSTRUCTION



AECOM

CONSULTANT

PRIME:
AECOM Canada Architects Ltd.
Suite 330, 3292 Production Way
Burnaby, BC, Canada, V5A 4R4

PROJECT

**FORT McMURRAY
AIRPORT RENTAL CAR
WASH / QTA FACILITY**

76 SNOWBIRD WAY
FORT McMURRAY, ALBERTA

PROJECT NUMBER

60723990

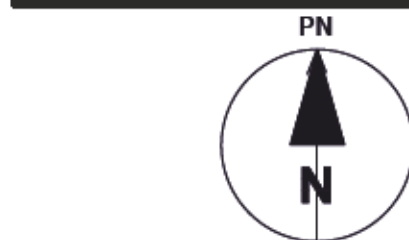
CLIENT



REGISTERED OWNER:

FORT McMURRAY AIRPORT
Address
City, Province, A1A 1A1

NORTH ARROW AND KEYPLAN



KEY PLAN

NOTE:
IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO INFORM THEMSELVES OF THE EXACT LOCATION OF, AND ASSUME ALL LIABILITY FOR DAMAGE TO ALL UTILITIES, SERVICES AND STRUCTURES WHETHER ABOVE GROUND OR BELOW GRADE BEFORE COMMENCING THE WORK. SUCH INFORMATION IS NOT NECESSARILY SHOWN ON THE DRAWING, AND WHERE SHOWN, THE ACCURACY CANNOT BE GUARANTEED. WITH THE SOLE EXCEPTION OF THE BENCHMARKS SPECIFICALLY DESCRIBED FOR THIS PROJECT, NO ELEVATION INDICATED OR ASSUMED HEREON IS TO BE USED AS A REFERENCE ELEVATION FOR ANY PURPOSE.

REGISTRATION

ISSUE/REVISION

NO.	DATE	DESCRIPTION
5	2025-06-06	ISSUED FOR TENDER
4	2025-04-22	ISSUED FOR TENDER (DRAFT)
3	2025-01-31	ISSUED FOR 100% REVIEW
2	2025-01-17	ISSUED FOR 90% REVIEW
1	2024-10-11	ISSUED FOR DP R1

PRODUCTION INFORMATION

DRAWN: SY

REVIEWED: JM

VERIFIED: HP

SHEET TITLE

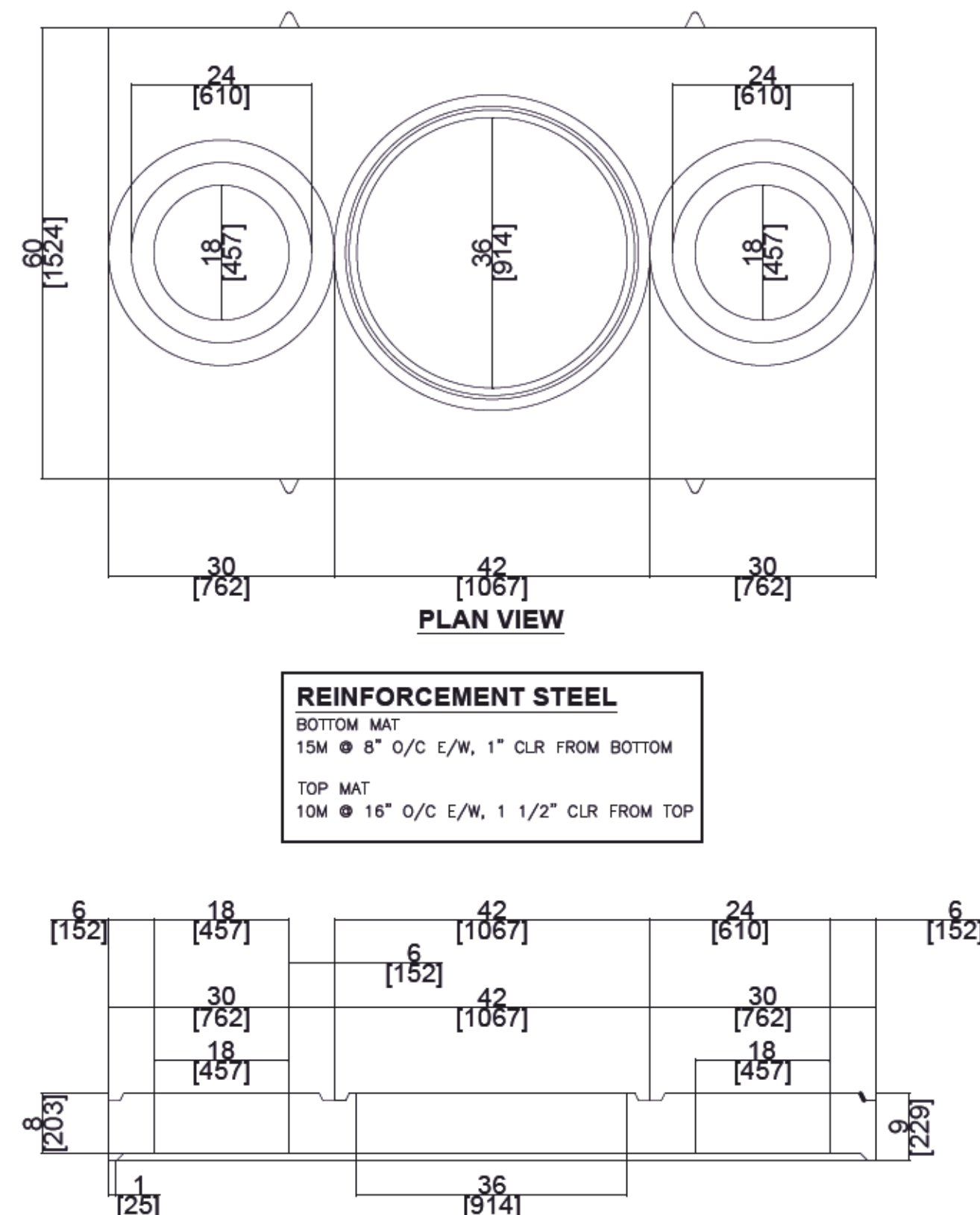
**STORMCEPTOR(OIL&GRIT
SEPARATOR) DETAILS**

SHEET NUMBER

C-4002

REVISION

4



AFC MODEL 1605/1605E OIL/WATER SEPARATOR LID H2O DESIGN
NTS

AFC OIL/WATER SEPARATOR H2O: 50 & 150 GPM TREATMENT RATES

REFERENCE STANDARDS

- 1) G30.12-M1977, 'BILLET STEEL BARS FOR CONCRETE REINFORCEMENT'
- 2) CAN/CSA-A23.1-OD, 'CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION' WITH SUPPLEMENTS.
- 3) CAN/CSA-A23.1-OD, A23.2-00 'METHODS OF TEST FOR CONCRETE'
- 4) CAN/CSA-B66-05, 'PREFABRICATED SEPTIC TANKS AND SEWAGE HOLDING TANK'

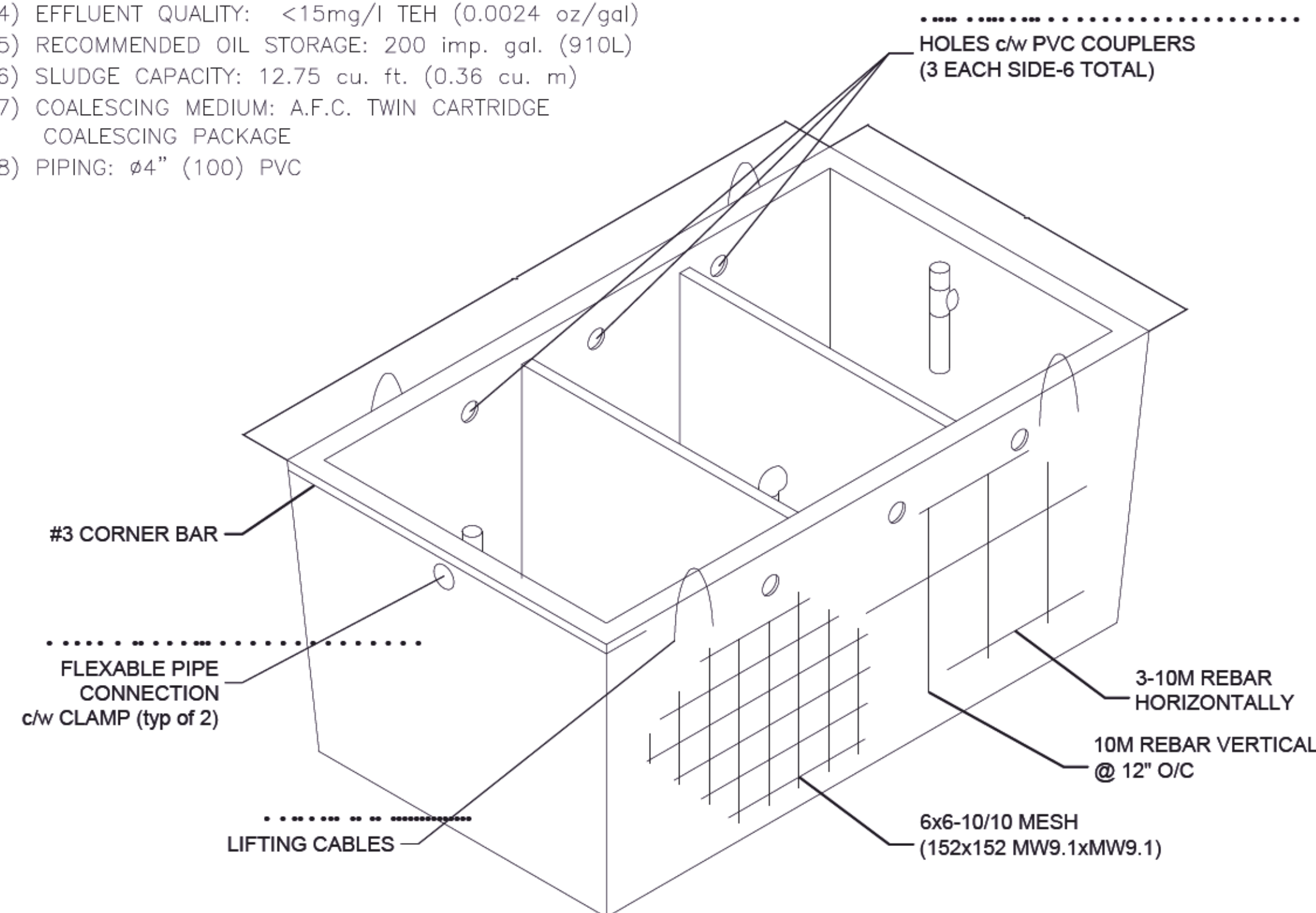
GENERAL NOTES:

- 1) CONCRETE COMPRESSIVE STRENGTH = 30MPa at 28 DAYS.
- 2) COARSE AGGREGATE SIZE = 2.5mm TO 20mm.
- 3) TENSILE STRENGTH OF REINFORCEMENT STEEL = 400MPa.
- 4) BREAKING STRENGTH OF LIFTING CABLES = 9800Lbs (4455Kg) EACH. (FOUR PER TANK OR LID)
- 5) FOUR TAILED CHAINS SHOULD BE USED FOR LIFTING THE LIDS & TANK INTO PLACE TO ENSURE VERTICAL LIFTING FORCE AT LIFTING LOCATIONS, AND PREVENT POSSIBLE DAMAGE TO THE SEPARATOR.
- 6) DEAD WEIGHT OF OIL SEPARATOR = 9900Lbs (4500Kg).
 - LID = 3150Lbs (1432Kg)
 - TANK = 6750Lbs (3068Kg)

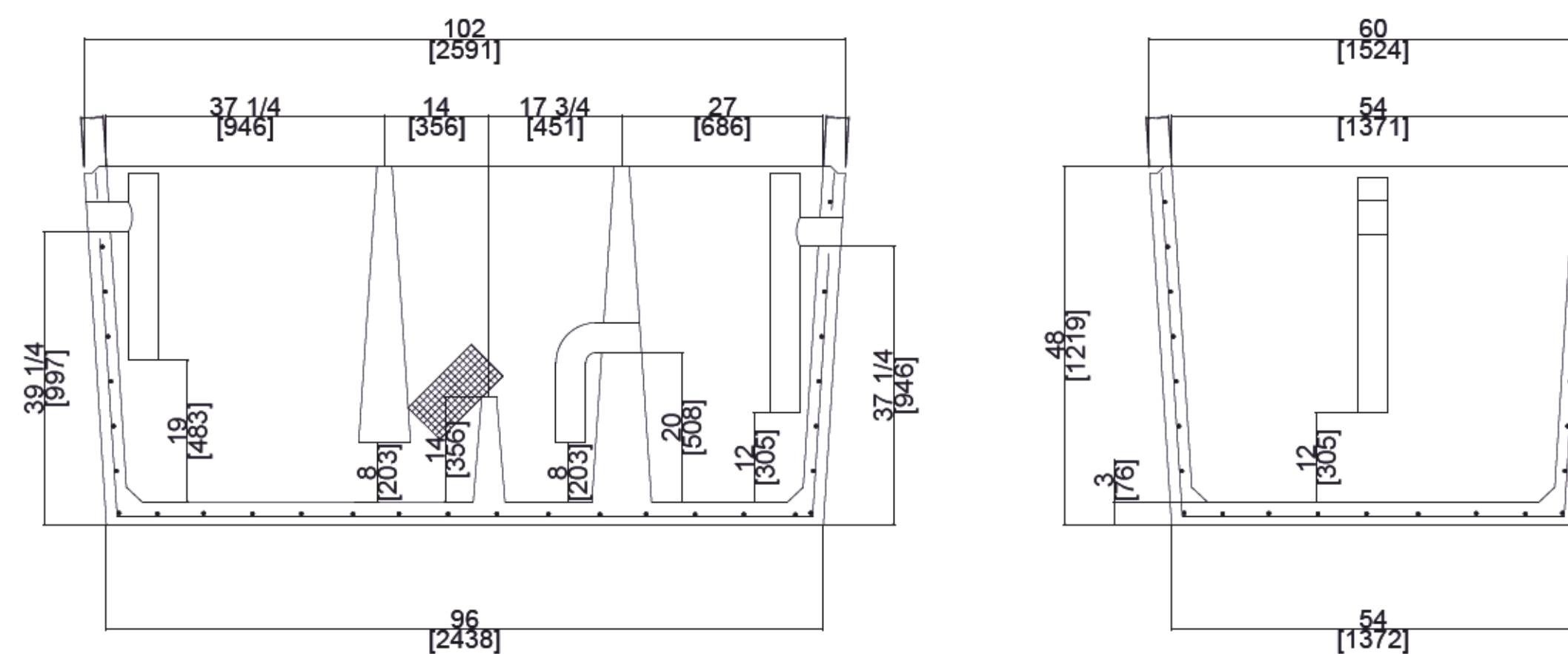
KON KAST CONCRETE PRODUCTS INC. OR EQUIVALENT PRODUCT FROM OTHER MANUFACTURER.
THE CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL BEFORE INSTALLATION.
THE CONTRACTOR TO SUBMIT DETAILS FOR THE PIPE CONNECTION FROM CBMH TO OIL WATER SEPARATOR
AND OIL WATER SEPARATOR TO OIL & GRIT SEPARATOR.

GENERAL NOTES:

- 1) MAXIMUM FLOW RATE 50 G.P.M. (230 l/min)
- 2) INFLUENT TEMP.: 40° F (5° C) & GREATER
- 3) INFLUENT OIL SPECIFIC GRAVITY: < 0.90
- 4) EFFLUENT QUALITY: <15mg/l TEH (0.0024 oz/gal)
- 5) RECOMMENDED OIL STORAGE: 200 imp. gal. (910L)
- 6) SLUDGE CAPACITY: 12.75 cu. ft. (0.36 cu. m)
- 7) COALESCING MEDIUM: A.F.C. TWIN CARTRIDGE COALESCING PACKAGE
- 8) PIPING: ¾" (100) PVC



ISOMETRIC



SECTIONS

OIL/WATER SEPARATOR - 50GPM (230 LITRE) H2O DESIGN



CONSULTANT

PRIME:
AECOM Canada Architects Ltd.
Suite 330, 3292 Production Way
Burnaby, BC, Canada, V5A 4R4

PROJECT

**FORT McMURRAY
AIRPORT RENTAL CAR
WASH / QTA FACILITY**

76 SNOWBIRD WAY
FORT McMURRAY, ALBERTA

PROJECT NUMBER

60723990

CLIENT



REGISTERED OWNER:

FORT McMURRAY AIRPORT
Address
City, Province, A1A 1A1

NORTH ARROW AND KEYPLAN



KEY PLAN

NOTE:
IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO INFORM THEMSELVES OF THE EXACT LOCATION OF, AND ASSUME ALL LIABILITY FOR DAMAGE TO ALL UTILITIES, SERVICES AND STRUCTURES WHETHER ABOVE GROUND OR BELOW GRADE BEFORE COMMENCING THE WORK. SUCH INFORMATION IS NOT NECESSARILY SHOWN ON THE DRAWING, AND WHERE SHOWN, THE ACCURACY CANNOT BE GUARANTEED. WITH THE SOLE EXCEPTION OF THE BENCHMARK(S) SPECIFICALLY DESCRIBED FOR THIS PROJECT, NO ELEVATION INDICATED OR ASSUMED HEREON IS TO BE USED AS A REFERENCE ELEVATION FOR ANY PURPOSE.

REGISTRATION

ISSUE/REVISION		
5	2025-06-06	ISSUED FOR TENDER
4	2025-04-22	ISSUED FOR TENDER (DRAFT)
3	2025-01-31	ISSUED FOR 100% REVIEW
2	2025-01-17	ISSUED FOR 90% REVIEW
1	2024-10-11	ISSUED FOR DP R1
I/R	DATE	DESCRIPTION

PRODUCTION INFORMATION

DRAWN: SY
REVIEWED: JM
VERIFIED: HP

SHEET TITLE

OIL AND WATER SEPARATOR

**PRELIMINARY
NOT FOR CONSTRUCTION**

SHEET NUMBER

C-4003

REVISION

4