



THE GOVERNMENT OF NUNAVUT TRANSPORTATION & INFRASTRUCTURE

NAUJAAT WASTEWATER TREATMENT FACILITY

ISSUED FOR TENDER

APRIL 2026

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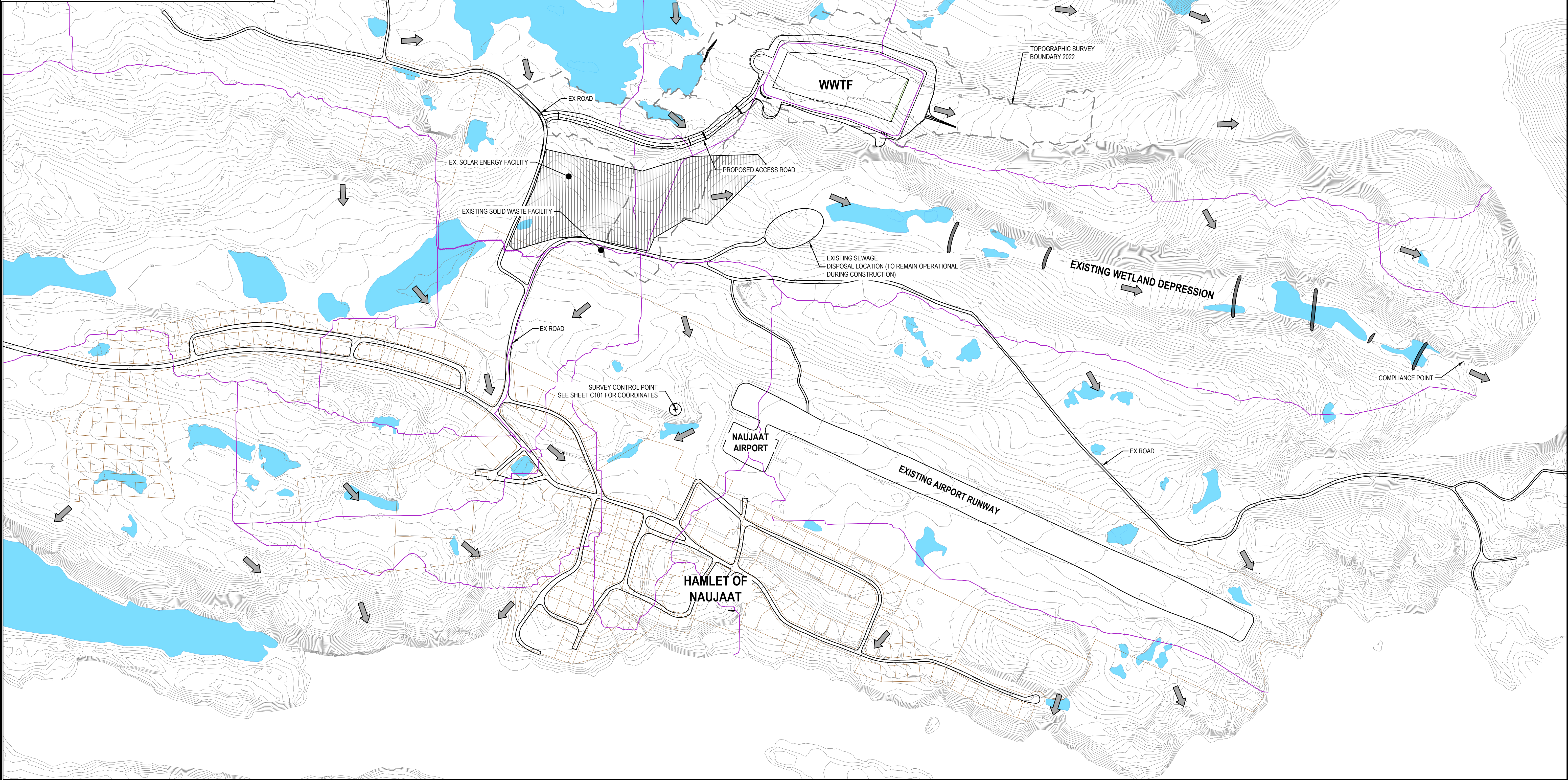
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LEGEND:

- EXISTING MINOR CONTOUR (1.0m INTERVAL)
- EXISTING MAJOR CONTOUR (5.0m INTERVAL)
- OVERLAND FLOW DIRECTION
- POST DEVELOPMENT NAUJAAT WATER CATCHMENT BOUNDARY

SCALE 1:4,000



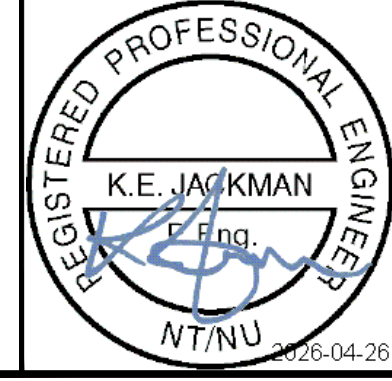
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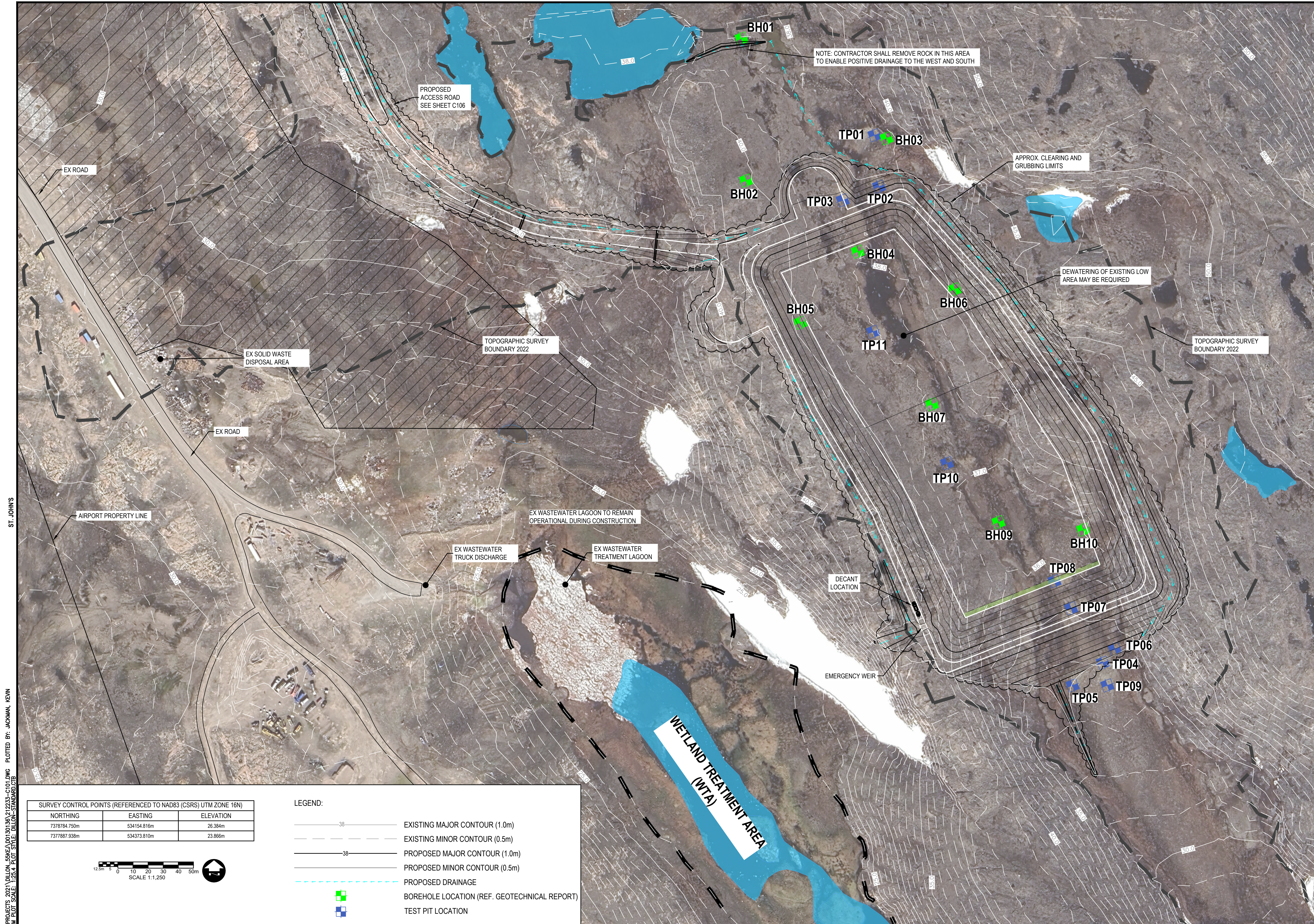
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DATE	APR 2026		
SCALE	AS SHOWN		
1	ISSUED FOR TENDER	APR30-26	KEJ
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PROJECT NO. 212233

Government of Nunavut
Naujaat Wastewater Treatment Facility

Catchments and Site Overview

SHEET NO. **C100**



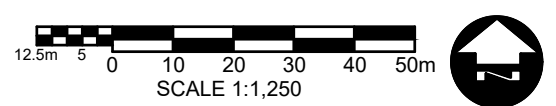
- NOTES:**
1. ALL COORDINATES REFERENCED TO NAD83, UTM ZONE 16.
 2. ALL MEASUREMENTS PROVIDED IN METERS (M) UNLESS OTHERWISE NOTED.
 3. ANY SURVEY FOR THE PURPOSE OF LAYOUT, QUANTITY CALCULATIONS, OR RECORD DRAWING TO BE CONDUCTED WITH REFERENCE TO A CANADA LANDS AND SURVEY MONUMENT.
 4. CONTRACTOR TO CONFIRM SUITABILITY, ACCURACY OF PROJECT SURVEY CONTROL POINTS PRIOR TO CONSTRUCTION.
 5. CONTRACTOR TO PROVIDE COPY OF PRE-CONSTRUCTION SURVEY TO CONSULTANT.
 6. ALL SURVEY MONUMENTS DISTURBED BY CONSTRUCTION SHALL BE REINSTITATED.
 7. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO PROCEEDING WITH THE WORK AND IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES.
 8. CONTRACTOR IS RESPONSIBLE FOR QC TESTING. THE CONTRACTOR SHALL PROCURE THE SERVICES OF AN INDEPENDENT MATERIALS TESTING FIRM. TEST RESULTS SHALL BE SUPPLIED TO THE ENGINEER WITHIN 7 DAYS.
 9. EXPOSED PERMAFROST SHALL BE COVERED AND PROTECTED EACH WORK DAY TO MINIMIZE PERMAFROST DEGRADATION.
 10. CONTRACTOR TO CLEAR ORGANIC SOILS, BOULDERS AND LOOSE ROCKS.
 11. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT PLANS, SPECIFICATIONS AND ANY RULES, REGULATIONS, STANDARDS OR SPECIFICATIONS REFERENCED THEREIN. THE PROJECT IS ALSO SUBJECT TO INSPECTION BY THE GOVERNMENT OF NUNAVUT OR ITS REPRESENTATIVE.
 12. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, PROVINCIAL AND FEDERAL LAWS THAT ARE PERTINENT TO THIS WORK.
 13. ALL CONSTRUCTION ACTIVITIES SHALL BE COMPLETED IN A MANNER SUITABLE FOR PUBLIC USE AND IN A CONDITION MEETING THE APPROVAL OF THE GON OR ITS REPRESENTATIVE.
 14. ALL CONSTRUCTION ACTIVITIES AFFECTING THE MUNICIPALITY'S OPERATIONS SHALL BE DISCUSSED IN ADVANCE WITH MUNICIPALITY AUTHORITIES.
 15. ALL REGULATORY APPROVALS MUST BE IN PLACE BEFORE THE CONTRACTOR IS ALLOWED TO COMMENCE CONSTRUCTION ACTIVITIES.
 16. ALL MATERIALS OR EQUIPMENT SHIPPED TO THE SITE SHALL BE DELIVERED TO AN APPROVED SITE, ESTABLISHED THROUGH COORDINATION WITH THE MUNICIPALITY & CONSULTANT.
 17. THE CONTRACTOR IS RESPONSIBLE FOR THE SHIPMENT, LOADING AND UNLOADING OF ALL MATERIALS TRANSPORTED TO THE SITE.
 18. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING THE SITE FOLLOWING THE COMPLETION OF THE PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DOCUMENT THE EXISTING CONDITIONS AND REINSTATE ALL DISTURBED AREAS INCLUDING STAGING AND STORAGE AREAS TO EXISTING CONDITIONS OR BETTER.
 19. DEVELOPMENT AND IMPLEMENTATION OF A HEALTH AND SAFETY PLAN IS THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR TO FOLLOW ALL APPLICABLE REGULATIONS PRESCRIBED BY LOCAL, TERRITORIAL AND FEDERAL AGENCIES.
 20. EXISTING UTILITIES ARE NOT TO BE DISTURBED. ANY CONFLICTS WITH EXISTING UTILITIES SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER.

- TRAFFIC MANAGEMENT:**
21. THIS PROJECT INCLUDES CONSTRUCTION ACTIVITIES ON AN ACTIVE ROAD. ALL CONSTRUCTION ACTIVITIES SHALL BE UNDERTAKEN IN A MANNER APPROVED BY THE ENGINEER.
 22. THE CONTRACTOR SHALL SUBMIT A TRAFFIC MANAGEMENT PLAN PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.
 23. CONSTRUCTION MACHINERY AND VEHICLES SHALL COMPLY WITH ALL TRAFFIC REGULATIONS.
 24. FULL TIME PUBLIC ACCESS (SINGLE LANE) TO THE MUNICIPALITY AND ITS FACILITIES SHALL BE MAINTAINED AT ALL TIMES.
 25. CONTRACTOR SHALL POST A MAXIMUM SPEED LIMIT OF 30 km/h ON ALL TEMPORARY BYPASS ROADS.
 26. CONTRACTOR IS TO USE APPROVED BARRICADES OR PYLONS TO DELINEATE OR DIRECT LOCAL TRAFFIC.
 27. ALL CONTRACTOR VEHICLES AND TRAFFIC (UNLESS NOTED OTHERWISE) SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION LIMITS OR HAUL ROUTES.
 28. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE & OFF-SITE ROUTES AFFECTED BY CONSTRUCTION ACTIVITIES SHALL BE MAINTAINED IN WORKING ORDER AND MEET THE REQUIREMENTS OF THE GON OR ITS REPRESENTATIVE. ALL COSTS ASSOCIATED TO THE MAINTENANCE OF THE HAUL ROADS SHALL BE INCIDENTAL TO THE CONTRACT UNIT PRICES.

- EROSION AND SEDIMENT CONTROL (ESC):**
29. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS REQUIRED TO DEVELOP AND SUBMIT AN ESC PLAN TO THE GON OR ITS REPRESENTATIVE FOR APPROVAL DETAILING THE EROSION CONTROL MEASURES FOR EACH PHASE OF THE PROJECT.
 30. THE IMPLEMENTATION OF ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE ESC FACILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETE.
 31. THE ESC FACILITIES MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS AND ADJACENT PROPERTIES IS MINIMIZED.
 32. DURING THE CONSTRUCTION PERIOD, ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS. (E.G. ADDITIONAL PUMPS, RELOCATION OF SWALES AND SILT FENCES, ETC.)
 33. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE SITE SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES.
 34. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN FORTY-EIGHT (48) HOURS FOLLOWING A STORM EVENT.
 35. CONTRACTOR SHALL ERECT SILT BARRIER FENCES AS REQUIRED OR AS DIRECTED BY THE ENGINEER.
 36. SILT FENCE BARRIERS SHALL BE MANUFACTURED FROM A NON-WOVEN, SILT FILM GEOTEXTILE MATERIAL, DESIGNED TO REDUCE VELOCITY OF RUNOFF TO POINT THAT SUSPENDED PARTICLES SETTLE OUT DUE TO REDUCTION OF HYDRAULIC ENERGY.
 37. SILT BARRIERS SHALL BE PLACED IN A MANNER THAT WILL INTERCEPT RUNOFF AT OR CLOSE TO RIGHT ANGLES TO THE FLOW. IN AREAS WHERE PROBLEM IS SEVERE, ERECT TWO OR MORE SILT BARRIERS PARALLEL TO EACH OTHER UNTIL DEGREE OF CONTROL IS ACHIEVED.
 38. SILT BARRIERS SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 500N, PERMITTIVITY OF 0.05 s²/PER ASTM D4481.

- ENVIRONMENTAL PROTECTION:**
39. CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE AND PUMPING AS NECESSARY TO KEEP EXCAVATIONS AND SITE FREE FROM WATER.
 40. CONTRACTOR SHALL NOT DISCHARGE WATER CONTAINING SUSPENDED MATERIALS INTO WATERCOURSES.
 41. CONTRACTOR SHALL CONTROL DISPOSAL OR RUNOFF WATER CONTAINING SUSPENDED MATERIALS OR OTHER HARMFUL SUBSTANCES IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND MUNICIPAL REQUIREMENTS.
 42. CONTRACTOR SHALL NOT USE WATERCOURSE BEDS FOR BORROW MATERIAL.
 43. CONTRACTOR SHALL NOT DUMP EXCAVATED FILL, WASTE MATERIAL OR DEBRIS IN OR ADJACENT TO WATERCOURSES.
 44. CONTRACTOR IS TO COORDINATE WITH THE GOVERNMENT OF NUNAVUT TO DETERMINE THE PERMITTING REQUIREMENTS FOR WORK ADJACENT TO WATERWAYS, INCLUDING LAYING OF RIPRAP AND NECESSARY REQUIREMENTS.
 45. IN THE EVENT THAT SPILLAGE, DEBRIS OR DUST BUILDS UP AS A RESULT OF HAULING, THE CONTRACTOR SHALL BE REQUIRED TO CLEAN AND REMOVE THE MATERIAL IMMEDIATELY.

SURVEY CONTROL POINTS (REFERENCED TO NAD83 (CSRS) UTM ZONE 16N)		
NORTHING	EASTING	ELEVATION
7378784.750m	534154.816m	26.384m
7377887.938m	534373.810m	23.866m



- LEGEND:**
- 38 — EXISTING MAJOR CONTOUR (1.0m)
 - 38 — EXISTING MINOR CONTOUR (0.5m)
 - 38 — PROPOSED MAJOR CONTOUR (1.0m)
 - 38 — PROPOSED MINOR CONTOUR (0.5m)
 - - - - - PROPOSED DRAINAGE
 - BOREHOLE LOCATION (REF. GEOTECHNICAL REPORT)
 - TEST PIT LOCATION

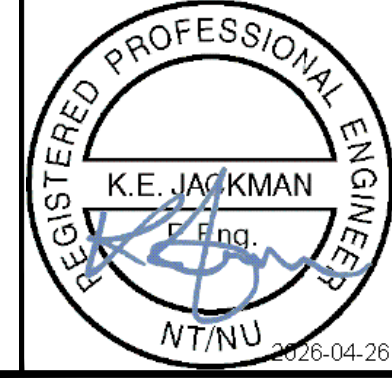
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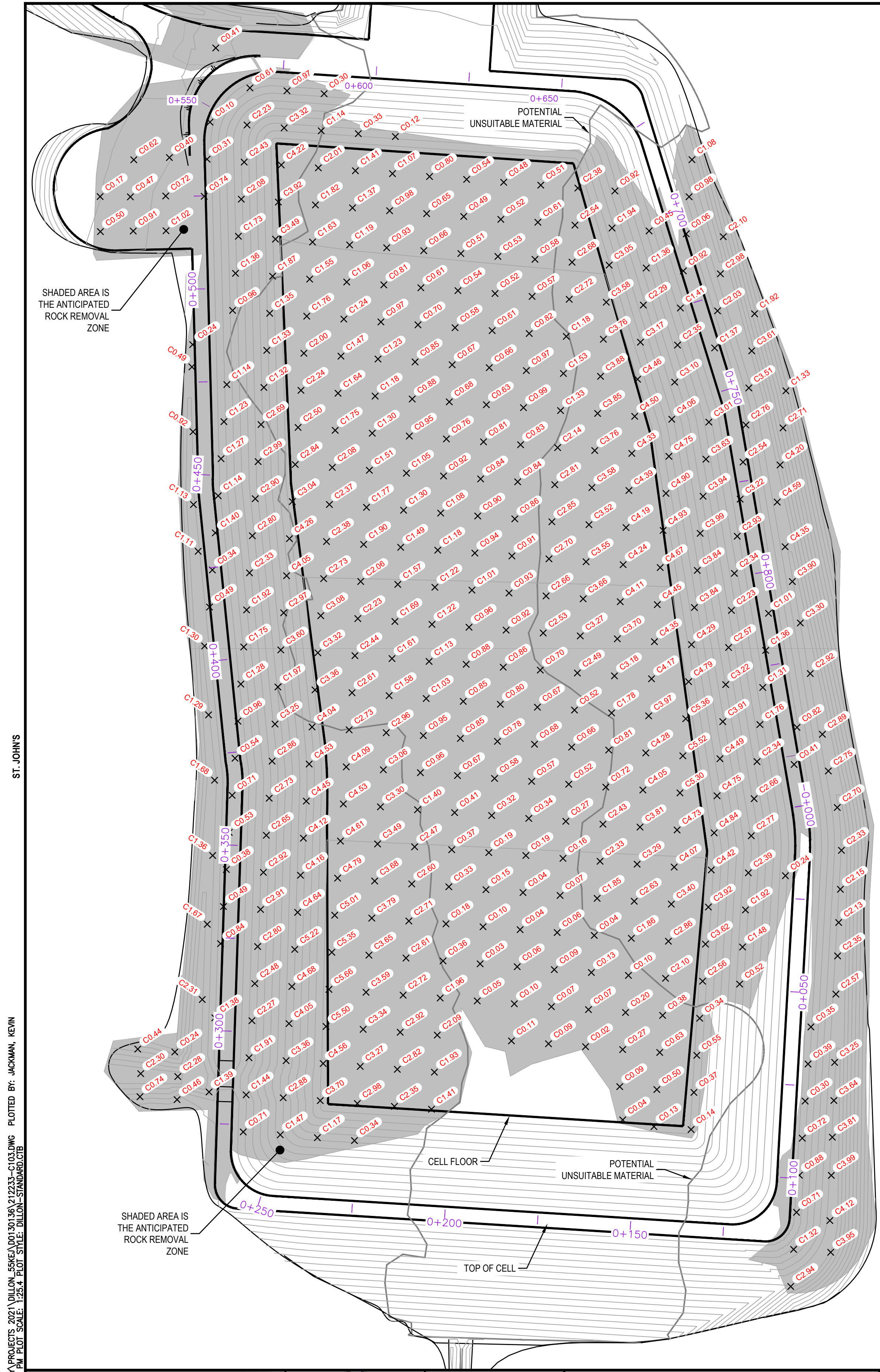
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Government of Nunavut
 Naujaat Wastewater Treatment Facility

PROJECT NO. 212233

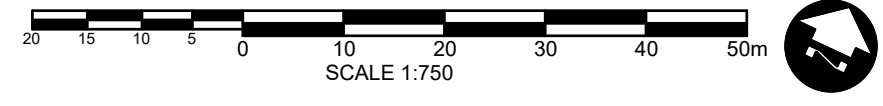
Overall Site Plan

SHEET NO. C101



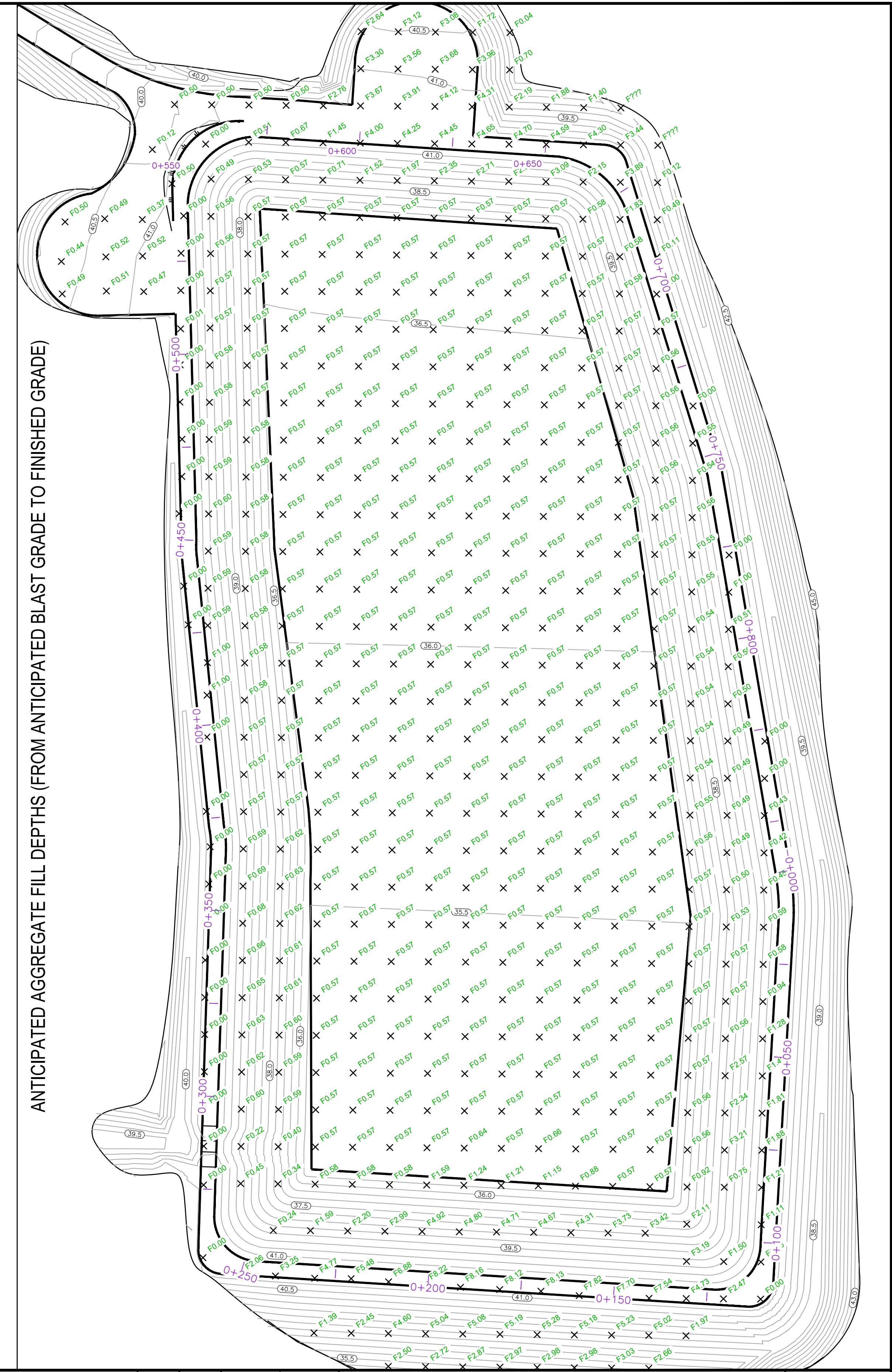
ANTICIPATED ROCK REMOVAL DEPTHS (ASSUMING 1.5m OF UNSUITABLE REMOVED FIRST)

- NOTES:
1. REFERENCE SPECIFICATIONS FOR AGGREGATE GRADATIONS.
 2. BIDDERS SHALL CONFIRM ALL QUANTITIES.
 3. BIDDERS SHALL ACCOUNT FOR SHRINK / SWELL / AGGREGATE PRODUCTION YIELD.
 4. BLAST MATS REQUIRED FOR PROTECTION OF ADJACENT SOLAR ENERGY FACILITY.
 5. PAYMENT FOR BLASTING / HYDRAULIC ROCK REMOVAL SHALL BE TO THE LINES AND GRADES SHOWN ON THE PLANS. NO PAYMENT WILL BE CONSIDERED FOR OVER-BLAST.



C/L BERM TOP ALIGNMENT TANGENT GEOMETRY					
No.	LENGTH (m)	START POINT	START STATION	END POINT	END STATION
L1	88.63	N7378997.720 E534988.318	0+012.83	N7378915.43 E535021.23	0+101.46
L2	123.06	N7378897.275 E535013.320	0+123.45	N7378852.30 E534898.77	0+246.52
L3	98.00	N7378860.185 E534880.634	0+268.47	N7378950.28 E534842.08	0+366.47
L4	71.55	N7378955.826 E534838.832	0+372.91	N7379017.34 E534802.28	0+444.47
L5	88.71	N7378022.380 E534799.660	0+450.16	N7379101.78 E534760.09	0+538.87
L6	82.41	N7378129.780 E534768.944	0+571.52	N7379159.64 E534845.76	0+653.93
L7	76.33	N7378154.648 E534869.173	0+678.96	N7379098.06 E534920.40	0+755.29
L8	108.32	N7379098.062 E534920.399	0+755.29	N7379009.00 E534982.06	0+863.61

C/L BERM TOP CURVE TABLE						
No.	LENGTH (m)	RADIUS (m)	START POINT	START STATION	END POINT	END STATION
C1	12.83	62.00	N7379008.92 E534982.11	-0+000.00	N7378997.72 E534988.32	0+012.83
C2	22.00	14.00	N7378915.43 E535021.23	0+101.46	N7378997.28 E535013.32	0+123.45
C3	21.96	14.00	N7378852.30 E534898.77	0+246.52	N7378860.19 E534880.63	0+268.47
C4	6.44	30.57	N7378950.28 E534842.08	0+366.47	N7378955.83 E534838.83	0+372.91
C5	5.69	28.00	N7379017.34 E534802.28	0+444.47	N7379022.38 E534799.66	0+450.16
C6	32.65	20.68	N7379101.78 E534760.09	0+538.87	N7379129.78 E534768.94	0+571.52
C7	25.03	24.35	N7379159.64 E534845.76	0+653.93	N7379154.65 E534869.17	0+678.96



ANTICIPATED AGGREGATE FILL DEPTHS (FROM ANTICIPATED BLAST GRADE TO FINISHED GRADE)

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REGISTERED PROFESSIONAL ENGINEER
 K.E. JACKMAN
 P. Eng.
 NTNU

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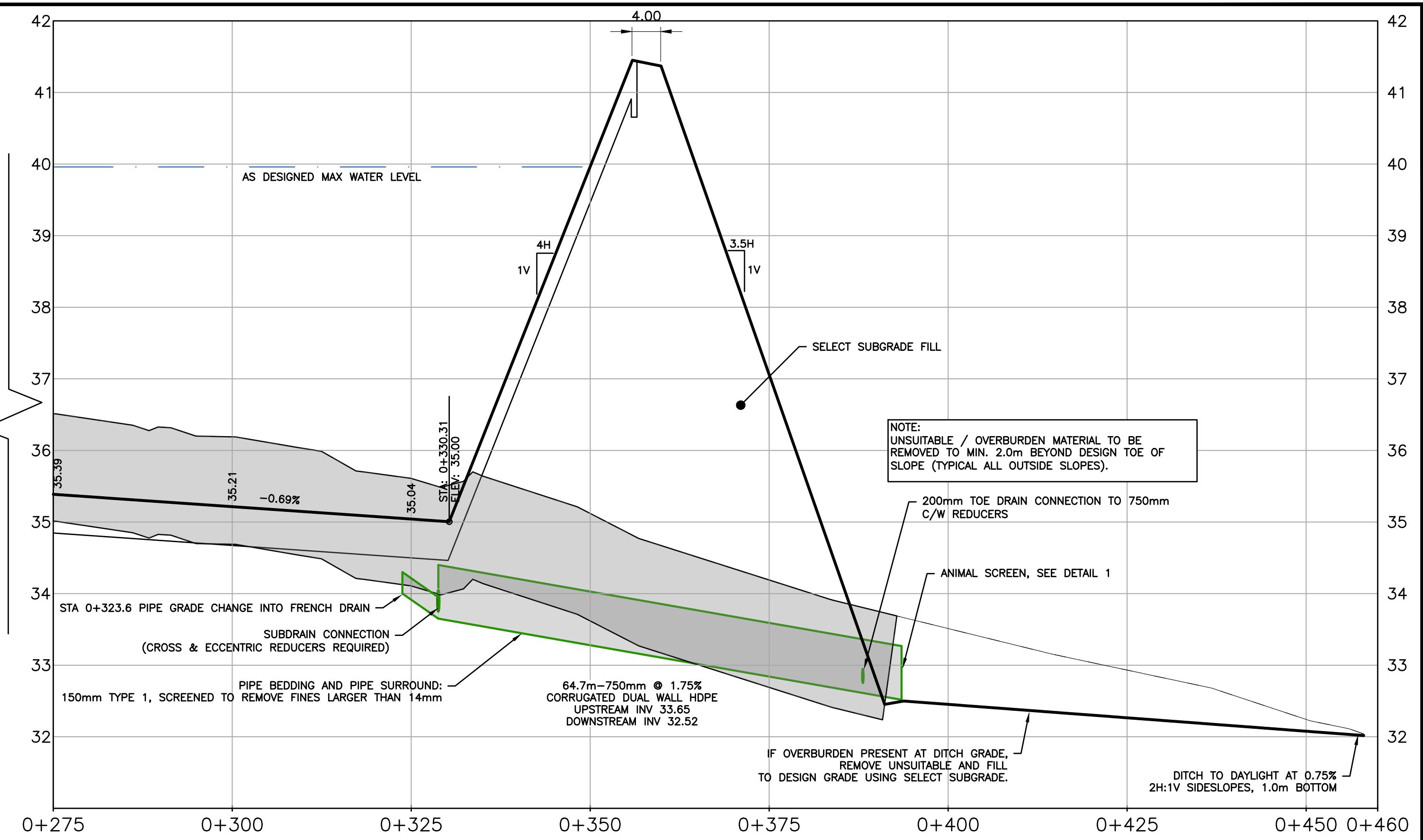
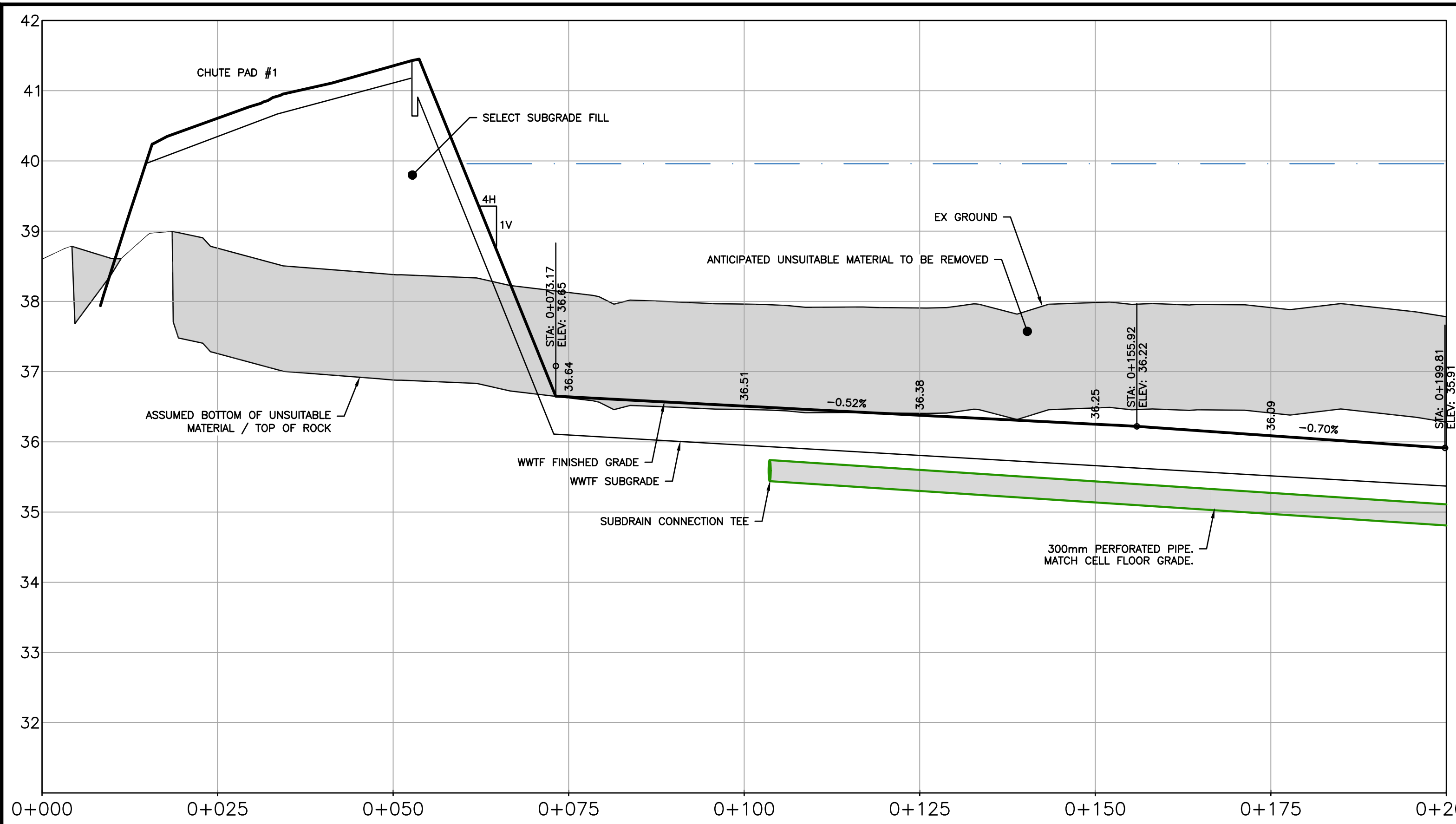


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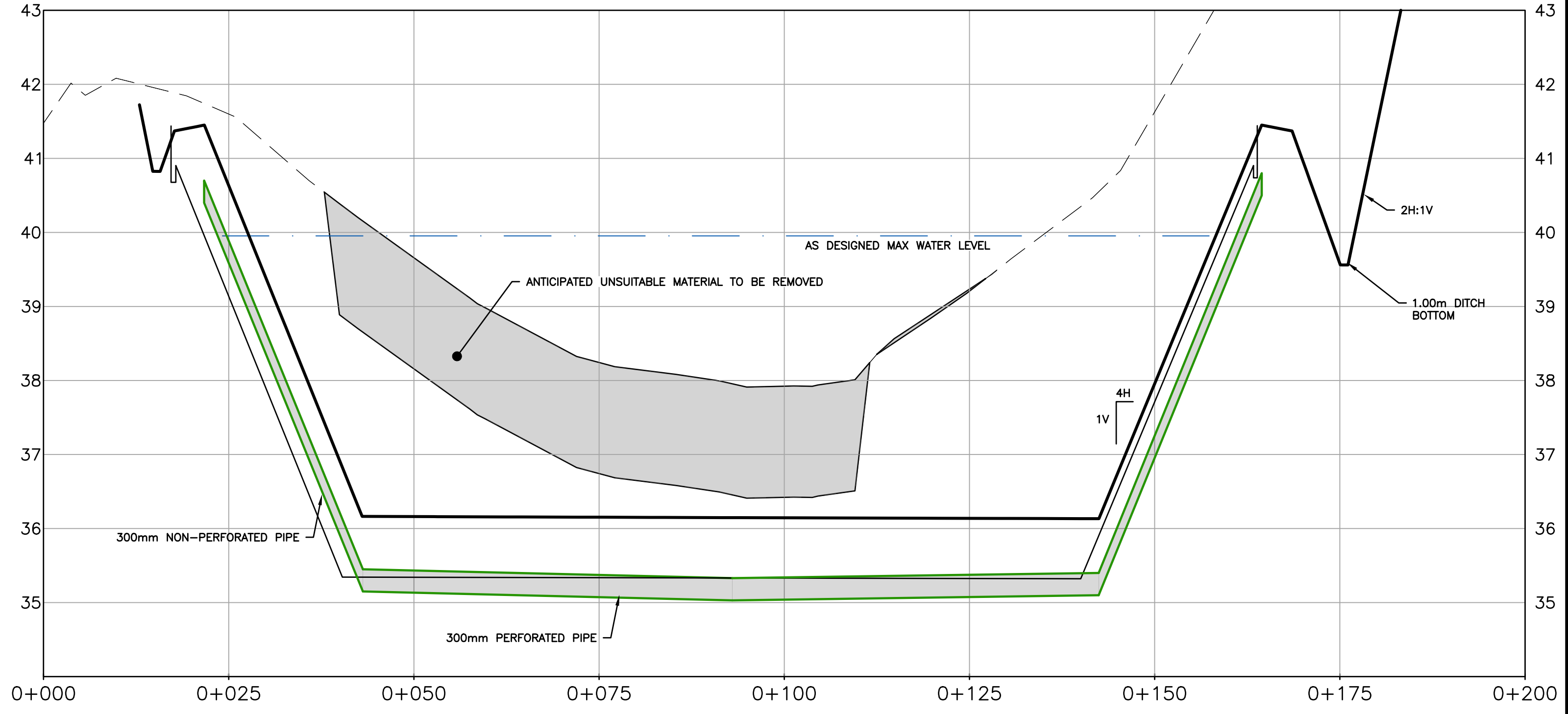
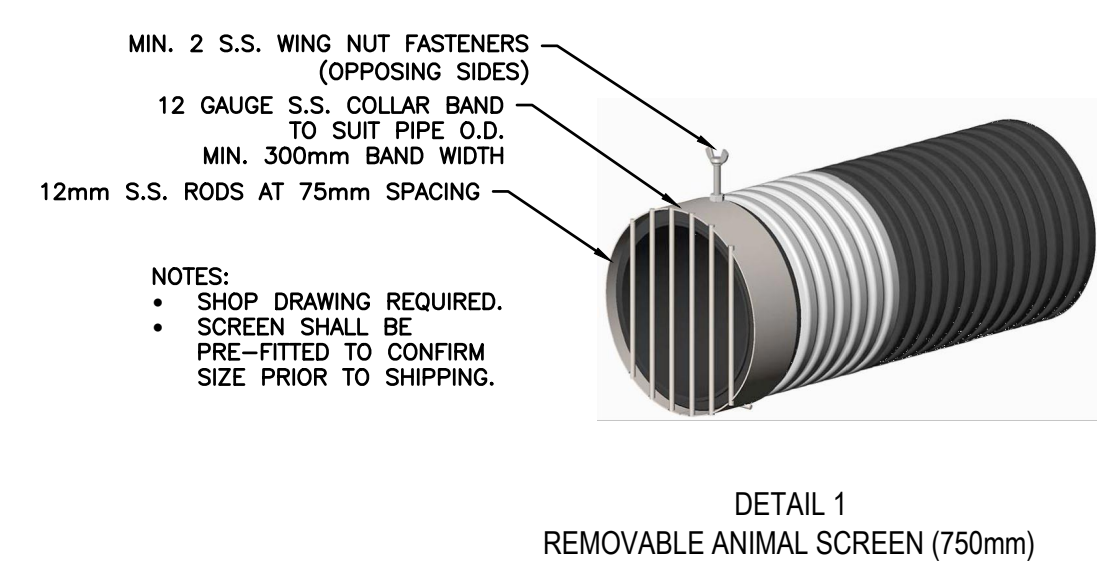
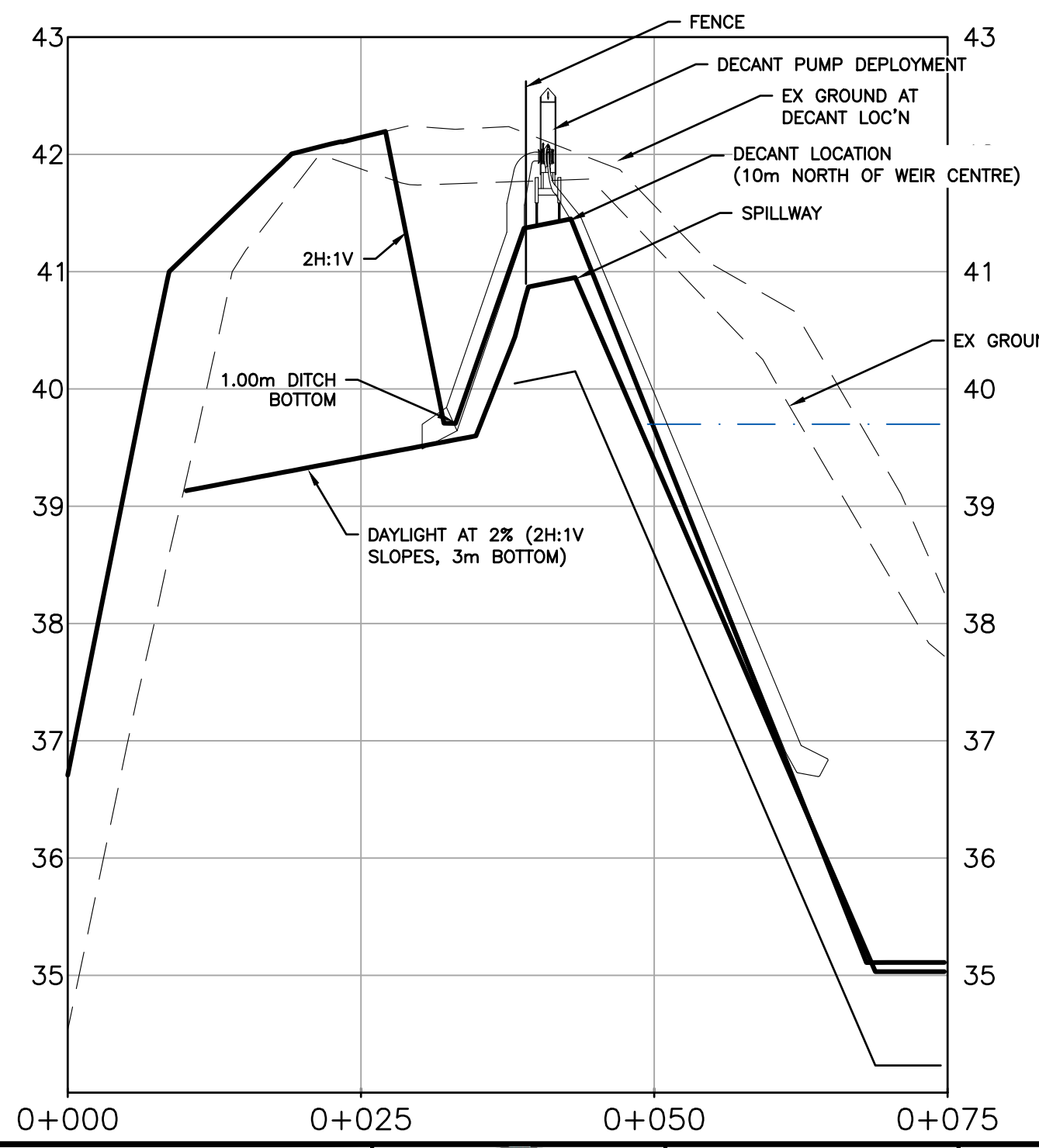
Wastewater Treatment Facility Earthworks

PROJECT NO. 212233
 SHEET NO. **C103**



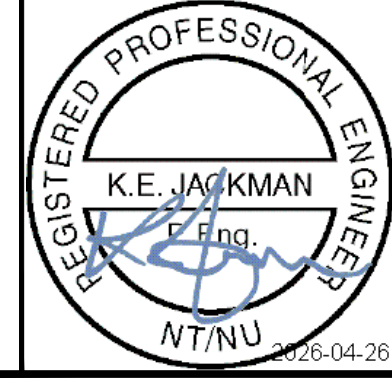
CENTRAL DRAINAGE PIPE ALIGNMENT LINE TABLE

No.	LENGTH (m)	DIRECTION (DD°MM'SS")	START POINT	START STATION	END POINT	END STATION
1	103.775	S28°19'50"E	N7379194.697 E534794.352	0+000.000	N7379103.352 E534843.5994	0+103.775
2	225.042	S24°10'49"E	N7379103.352 E534843.599	0+103.775	N7378898.054 E534935.7790	0+328.818
3	129.229	S23°25'09"E	N7378898.054 E534935.779	0+328.818	N7378779.471 E534987.1416	0+458.046



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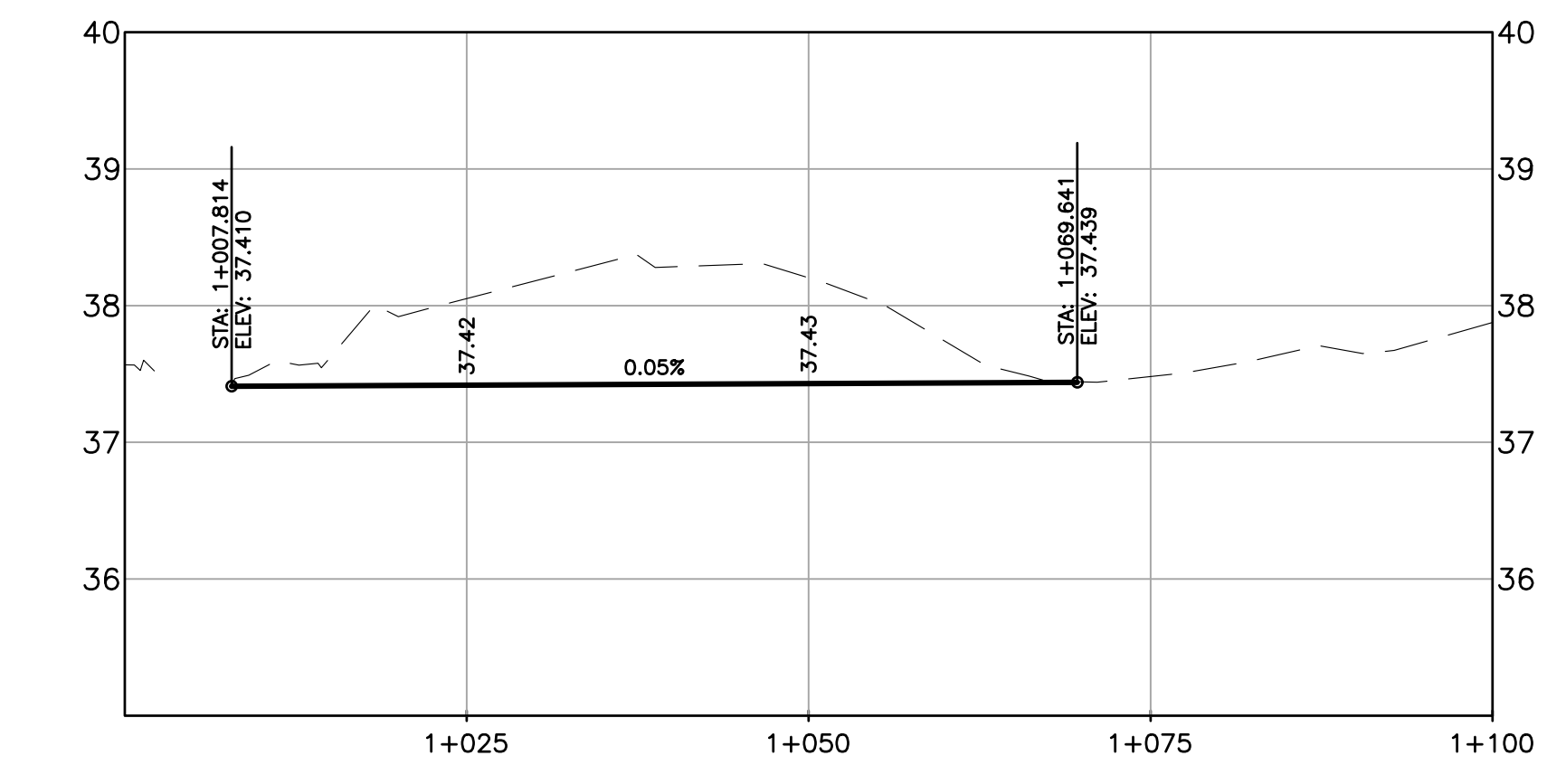
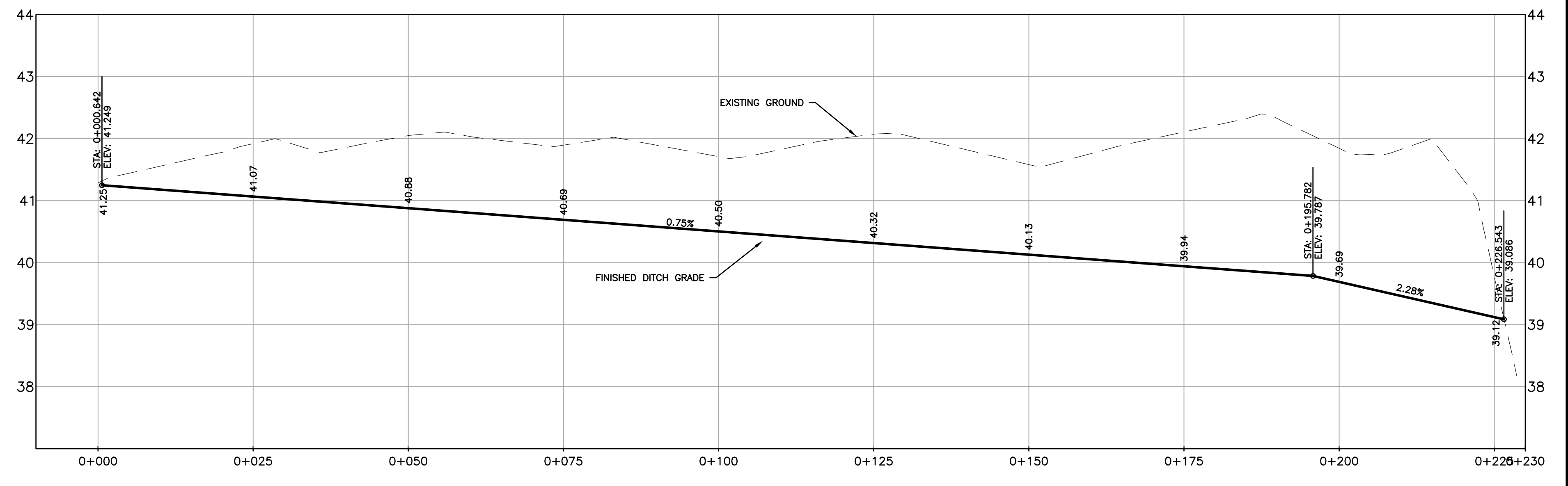
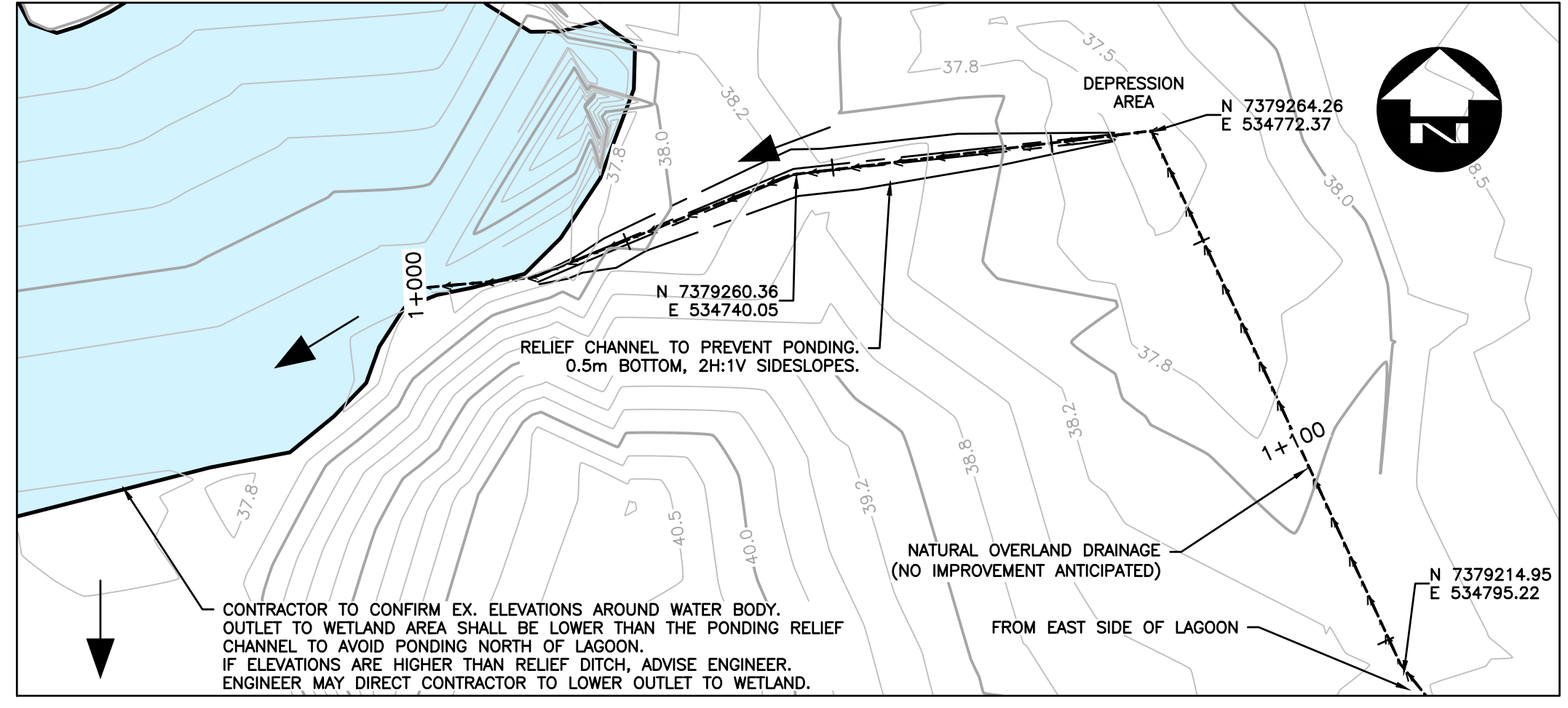
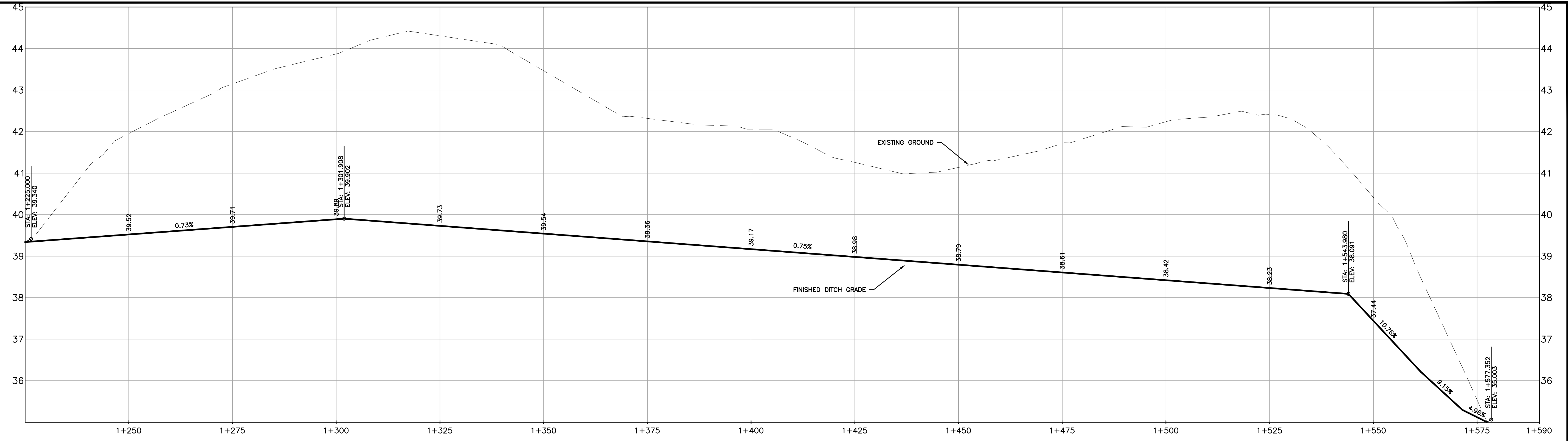


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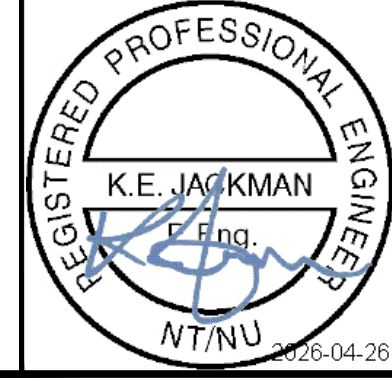
PROJECT NO. 212233
SHEET NO. C104

Government of Nunavut
Naujaat Wastewater Treatment Facility
Cell Sections



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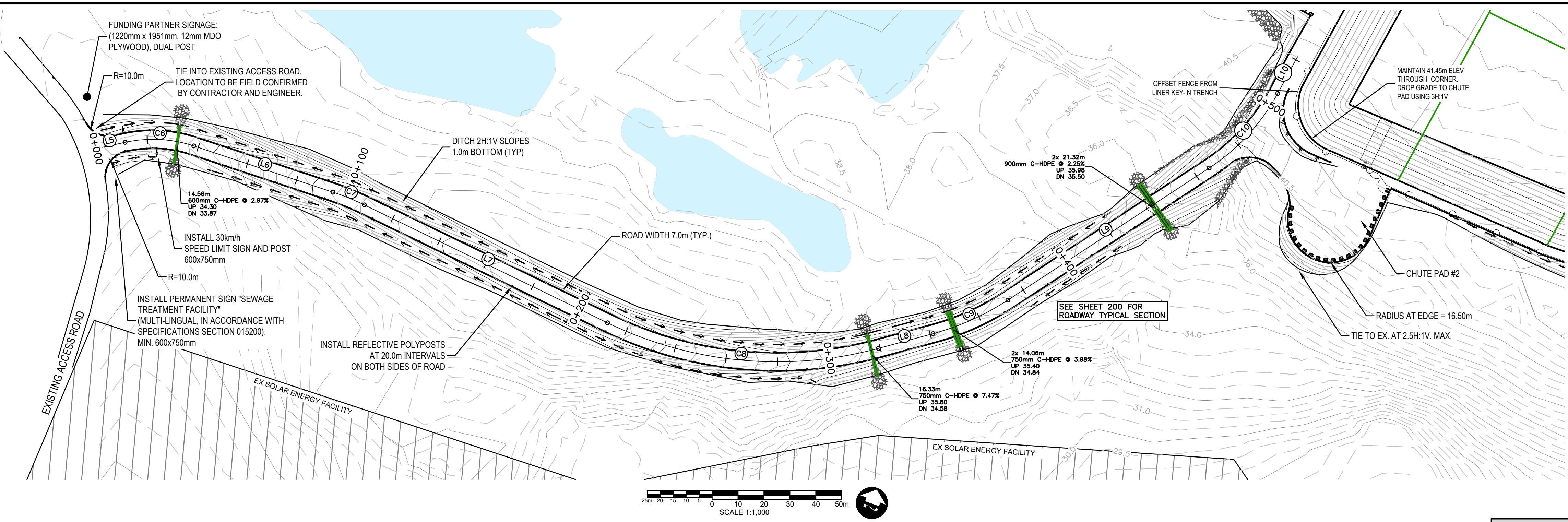
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KEJ	SG
DRAWN	CHECKED BY
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Naujaat Wastewater Treatment Facility

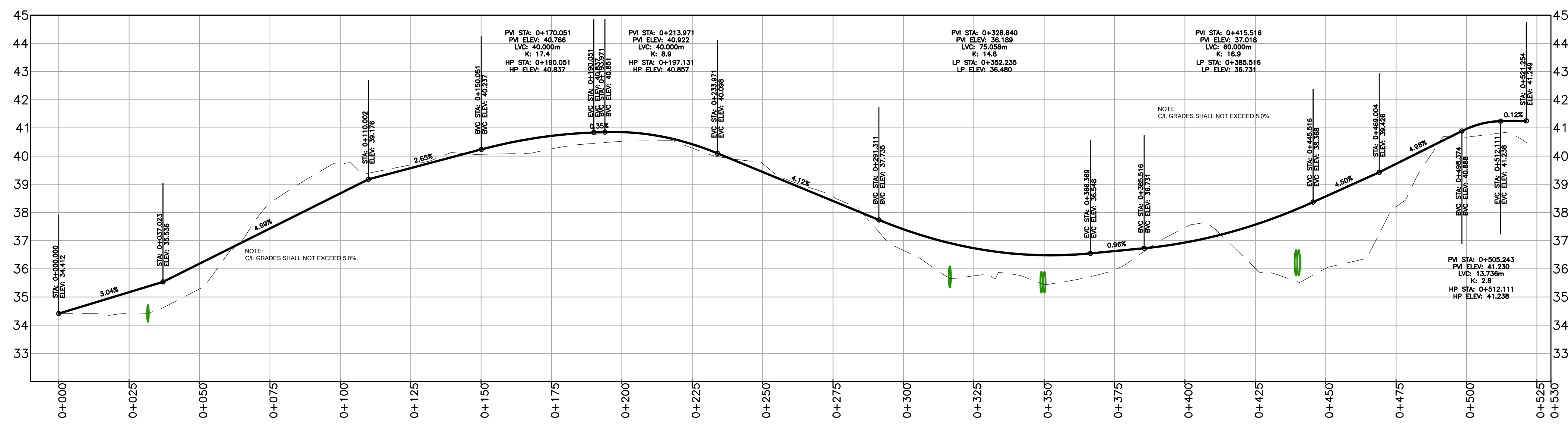
Drainage Ditch Profiles

PROJECT NO.
212233

SHEET NO.
C105

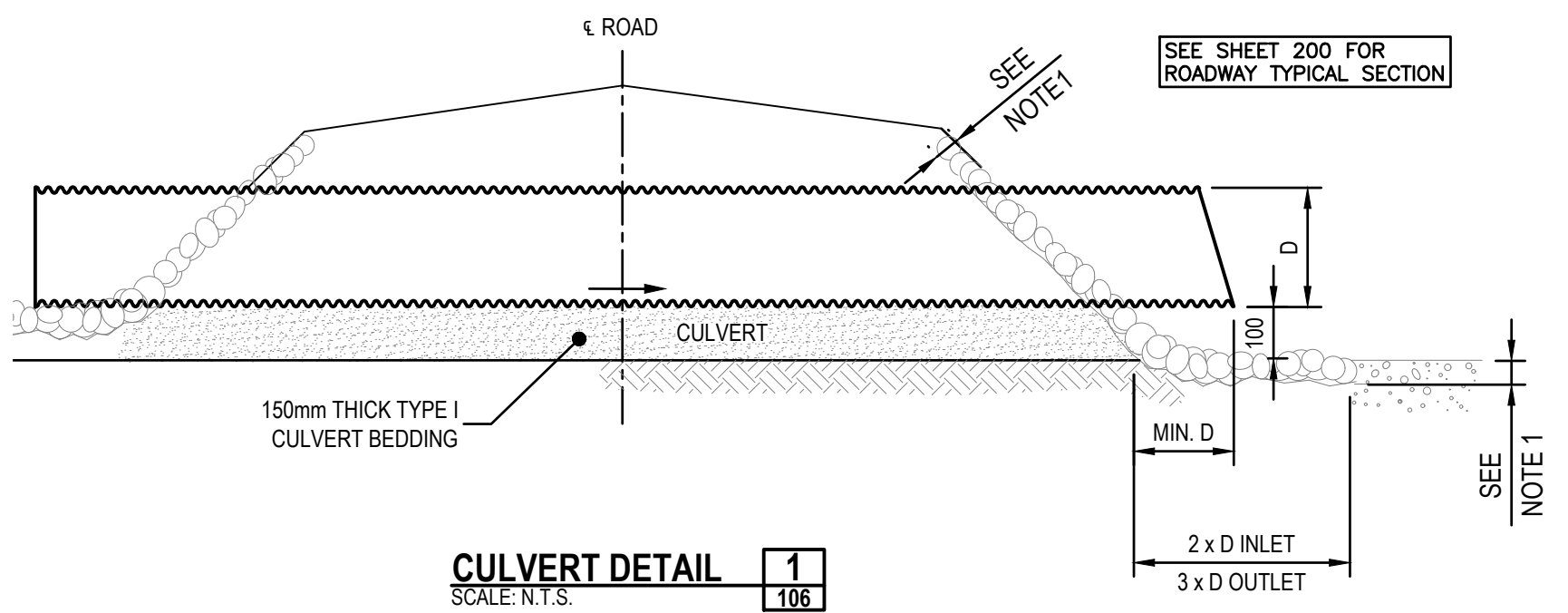


	FINISHED GROUND MAJOR CONTOUR (2.0m)
	FINISHED GROUND MINOR CONTOUR (0.50m)
	EX. MAJOR CONTOUR (2.0m)
	EX. MINOR CONTOUR (0.50m)



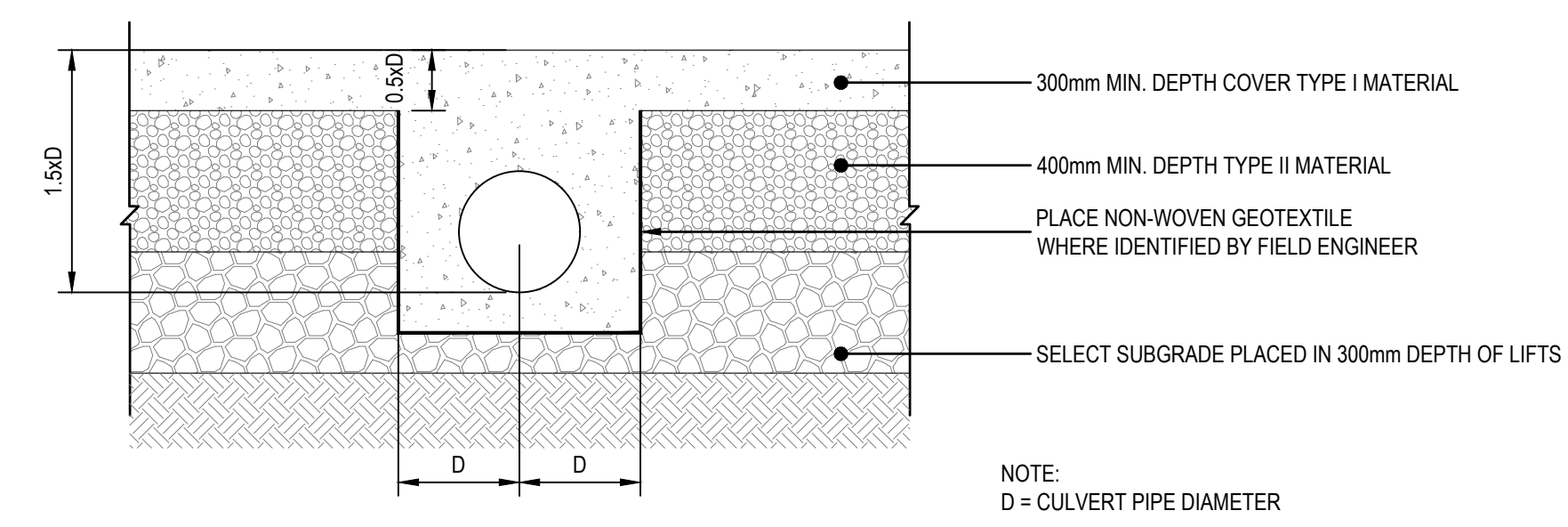
LINE TABLE						
No.	LENGTH (m)	DIRECTION (DD°MM'SS")	START POINT	START STATION	END POINT	END STATION
L5	11.348	S62°23'29"E	N7379408.564 E534398.180	0+000.000	N7379403.305 E534408.2366	0+011.348
L6	56.575	S31°37'18"E	N7379385.214 E534427.642	0+038.200	N7379337.038 E534457.3043	0+094.775
L7	104.261	S24°08'07"E	N7379325.497 E534463.410	0+107.841	N7379230.350 E534506.0412	0+212.102
L8	21.851	S65°04'40"E	N7379155.651 E534579.721	0+319.290	N7379146.444 E534599.5370	0+341.141
L9	92.853	S83°15'53"E	N7379137.822 E534629.947	0+372.883	N7379126.932 E534722.1595	0+465.736

CURVE TABLE							
No.	LENGTH (m)	RADIUS (m)	DIRECTION (DD°MM'SS")	START POINT	START STATION	END POINT	END STATION
C6	26.852	50.000	S47°00'23"E	N7379403.305 E534408.237	0+011.348	N7379385.214 E534427.642	0+038.200
C7	13.066	100.000	S27°52'42"E	N7379337.038 E534457.304	0+094.775	N7379325.497 E534463.410	0+107.841
C8	107.188	150.000	S44°36'24"E	N7379230.350 E534506.041	0+212.102	N7379155.651 E534579.721	0+319.290
C9	31.742	100.000	S74°10'17"E	N7379146.444 E534599.537	0+341.141	N7379137.822 E534629.947	0+372.883
C10	39.507	80.000	N82°35'17"E	N7379126.932 E534722.159	0+465.736	N7379131.977 E534760.939	0+505.243

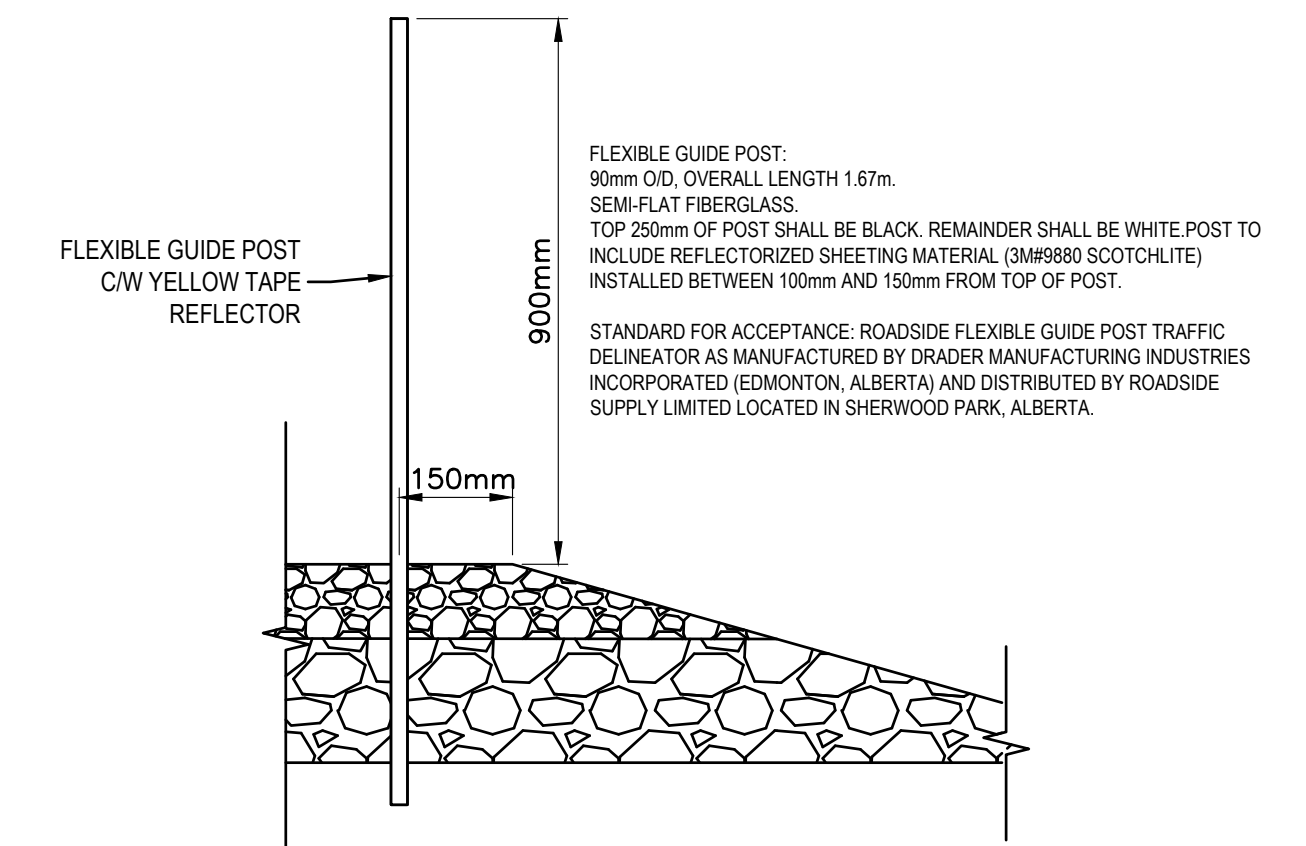


CULVERT DETAIL 1
SCALE: N.T.S. 106

- NOTE 1:
- RIPRAP SHALL BE PLACED AT MIN. 300mm THICKNESS (TYPICAL ALL LOCATIONS AND APPLICATIONS, INCLUDING AROUND THE WWTF CELL PERIMETER AS SHOWN).
 - RIP RAP SHALL BE HAND PLACED ROCK COBBLE OR BAGGED CONCRETE AS SPECIFIED BY THE ENGINEER.
 - 100 mm DROP FROM BOTTOM OF CULVERT TO RIP RAP IS FOR OUTLET END ONLY.
 - CULVERTS SHALL BE DUAL WALL CORRUGATED HDPE.



RIP-RAP AT CULVERT ENDS DETAIL 2
SCALE: N.T.S. 106



POLYPOST DETAIL 3
SCALE: N.T.S. 106

ST. JOHN'S
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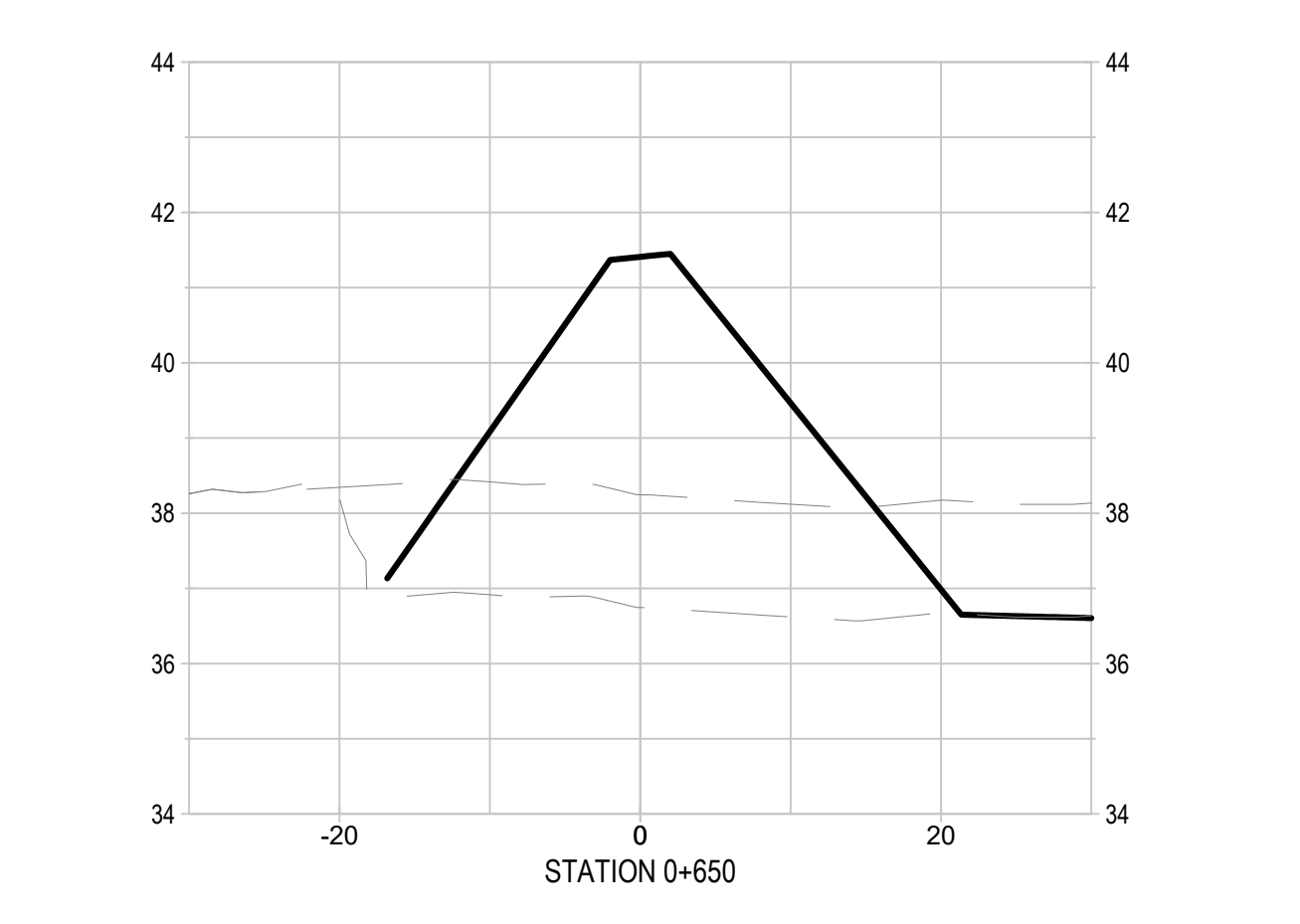
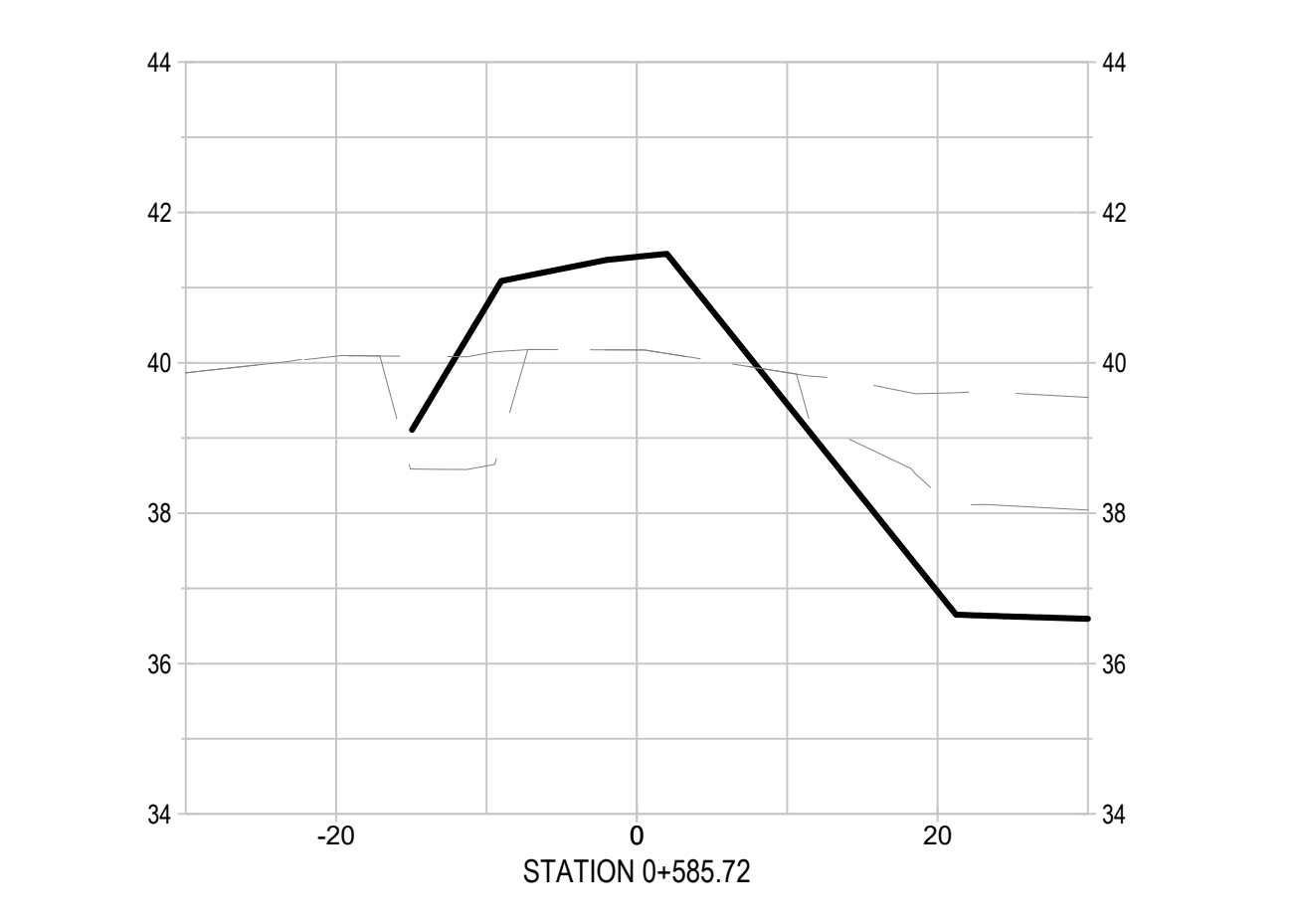
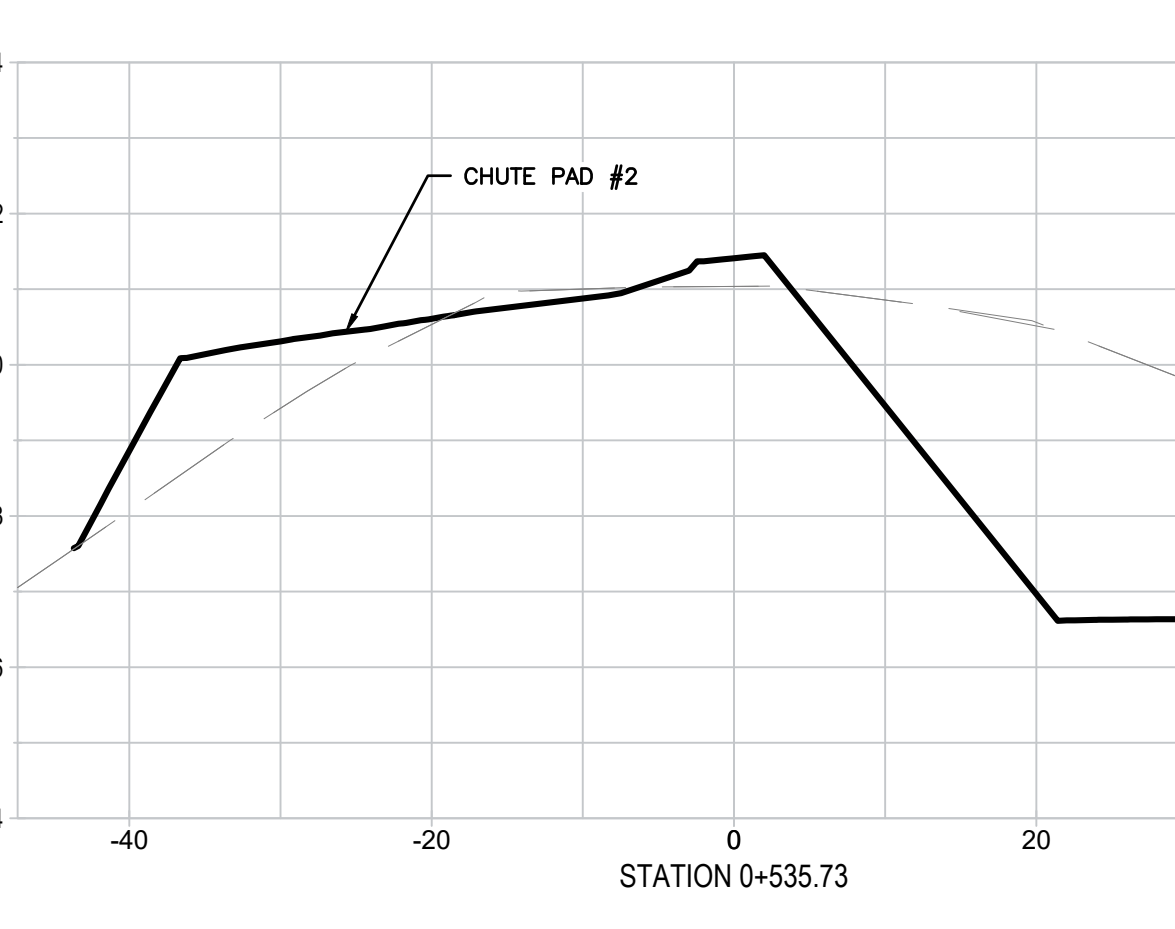
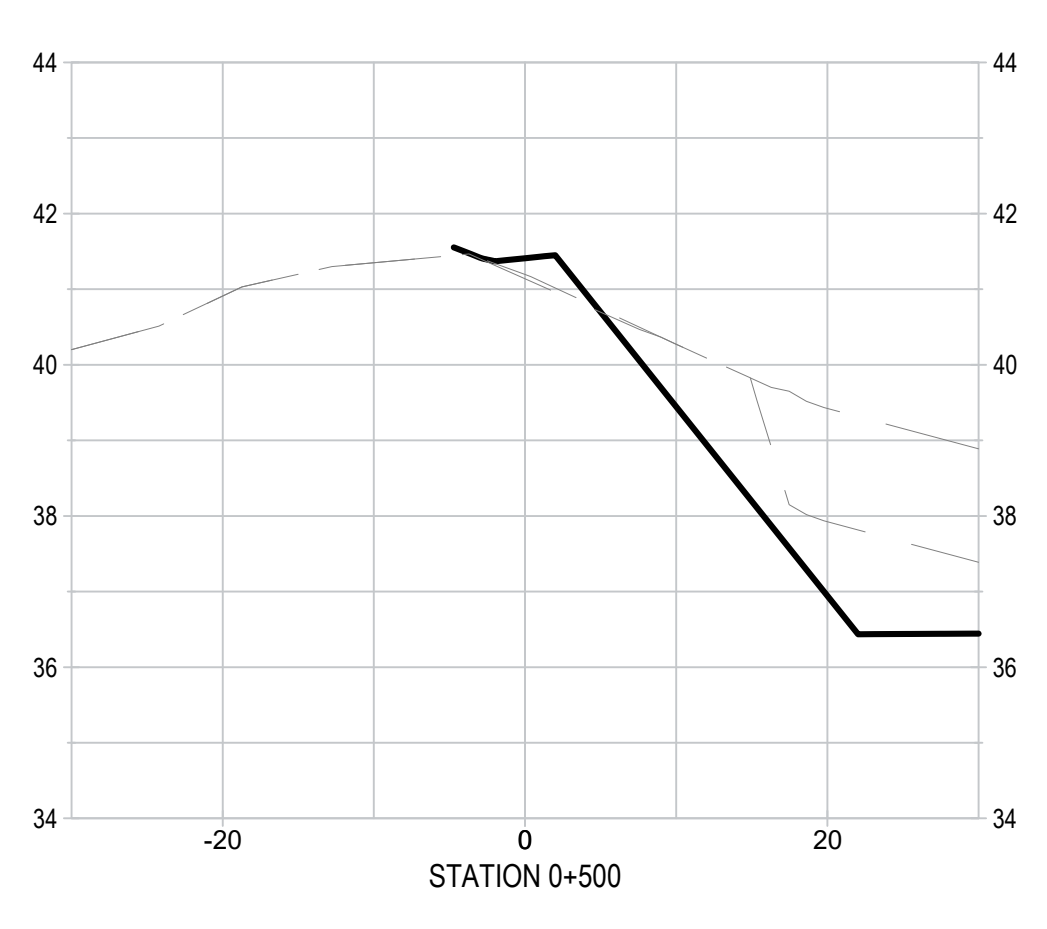
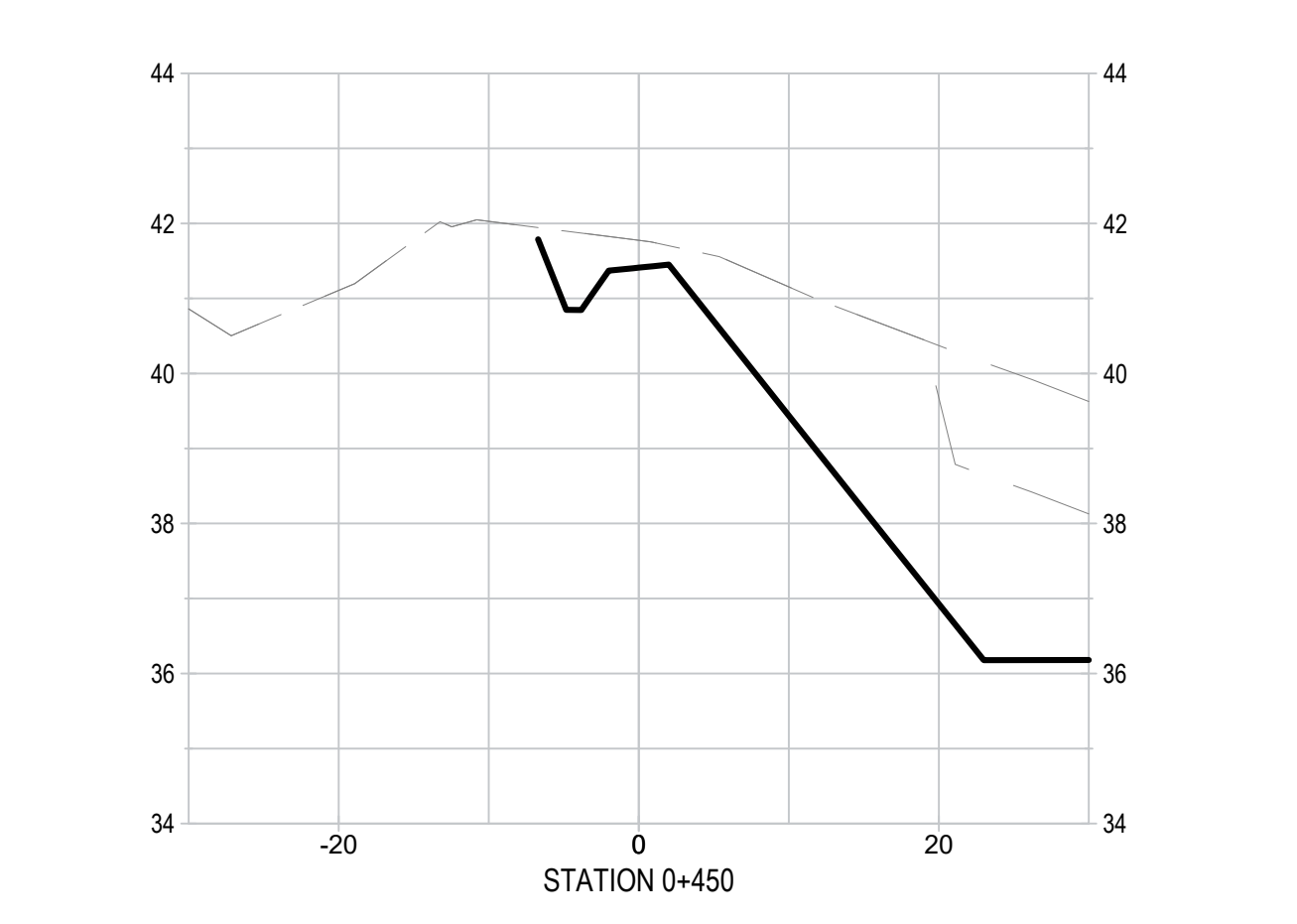
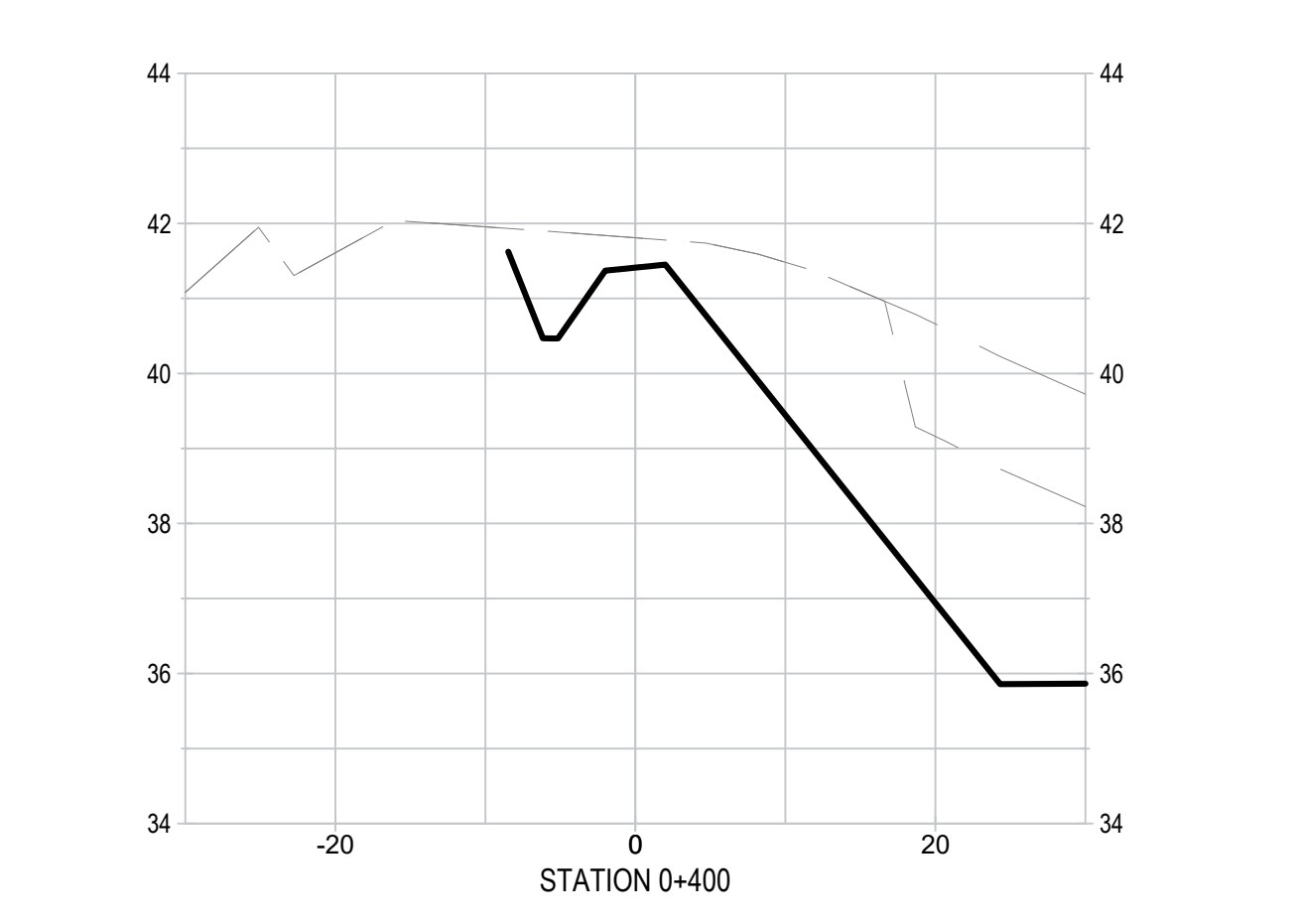
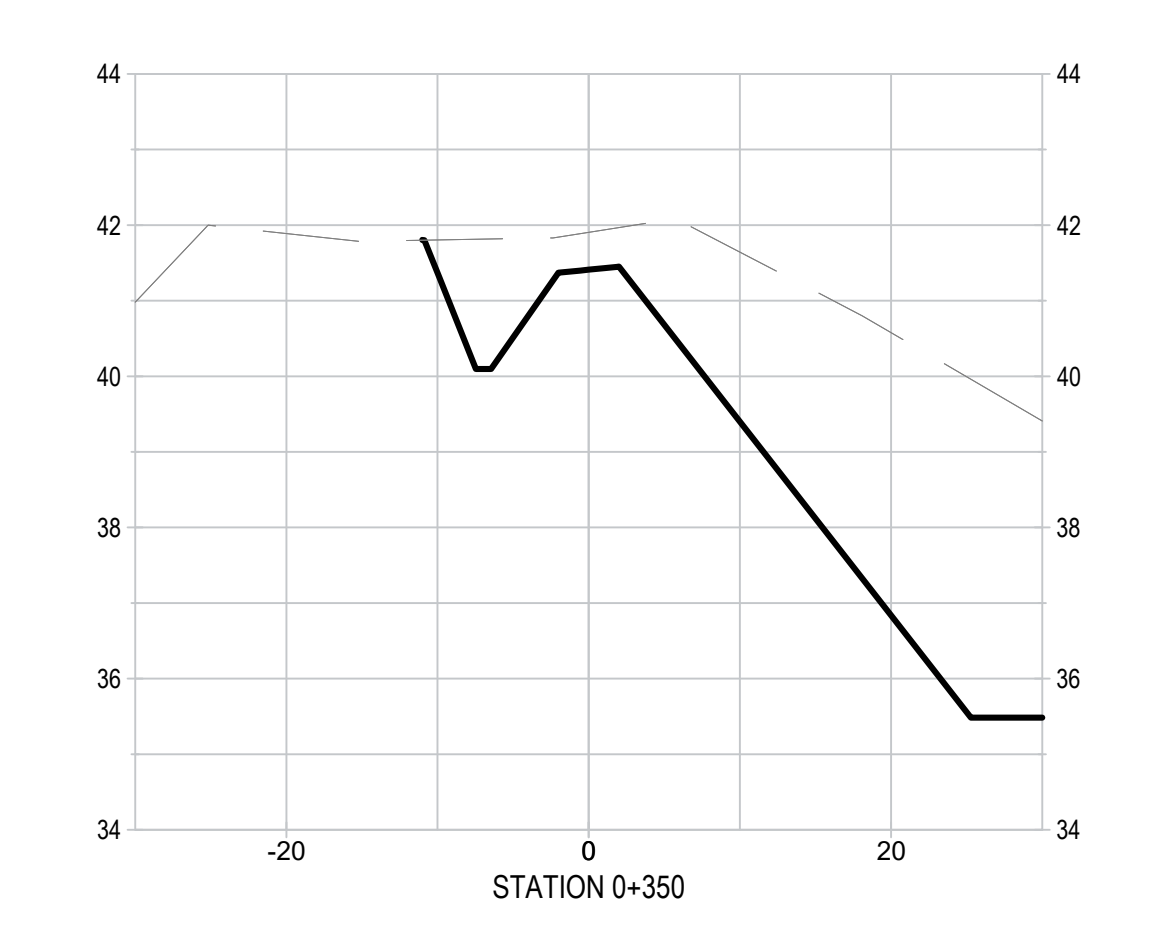
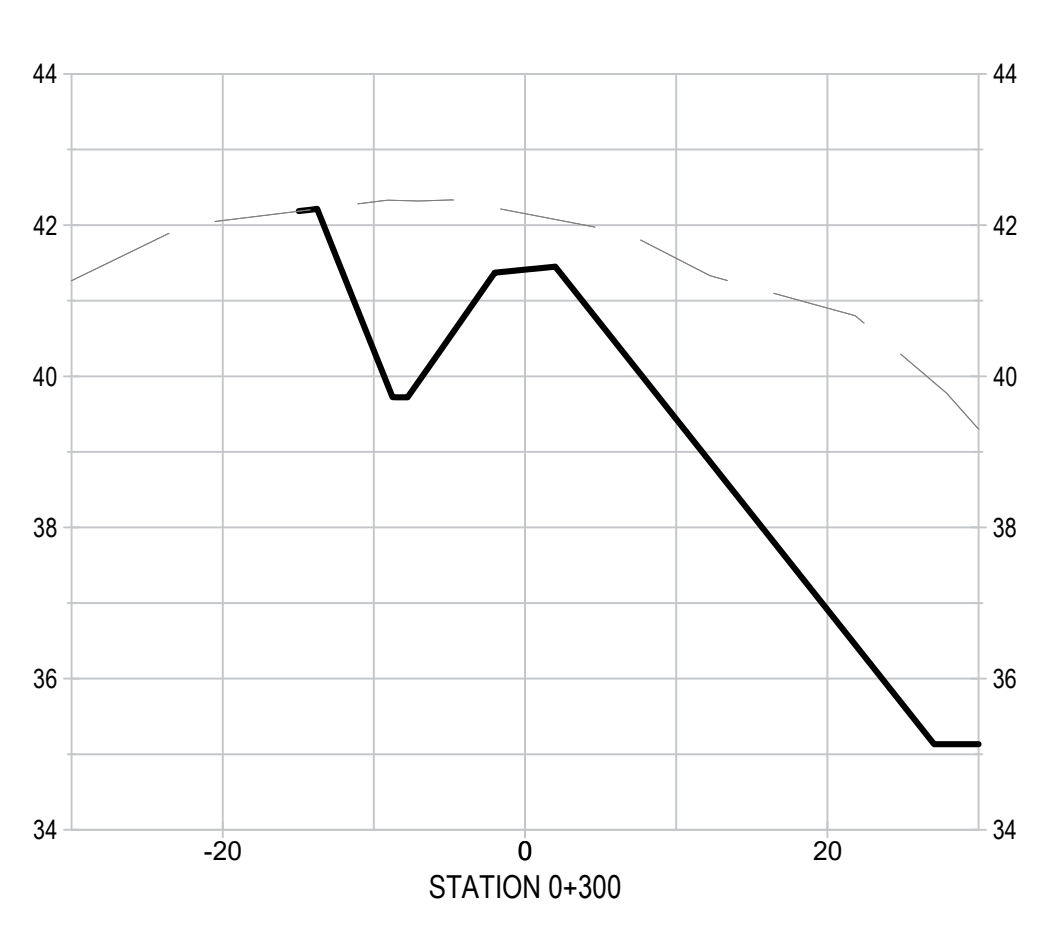
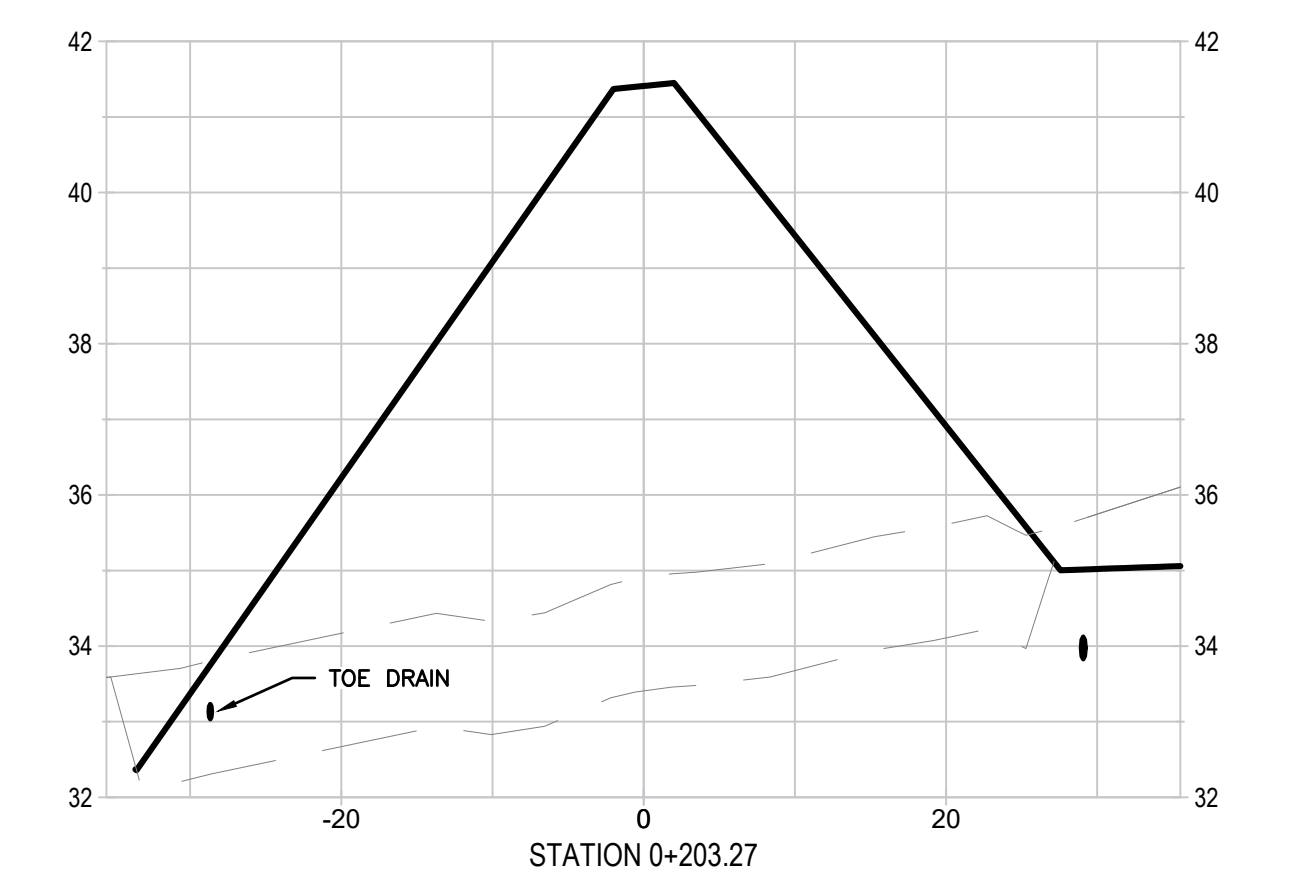
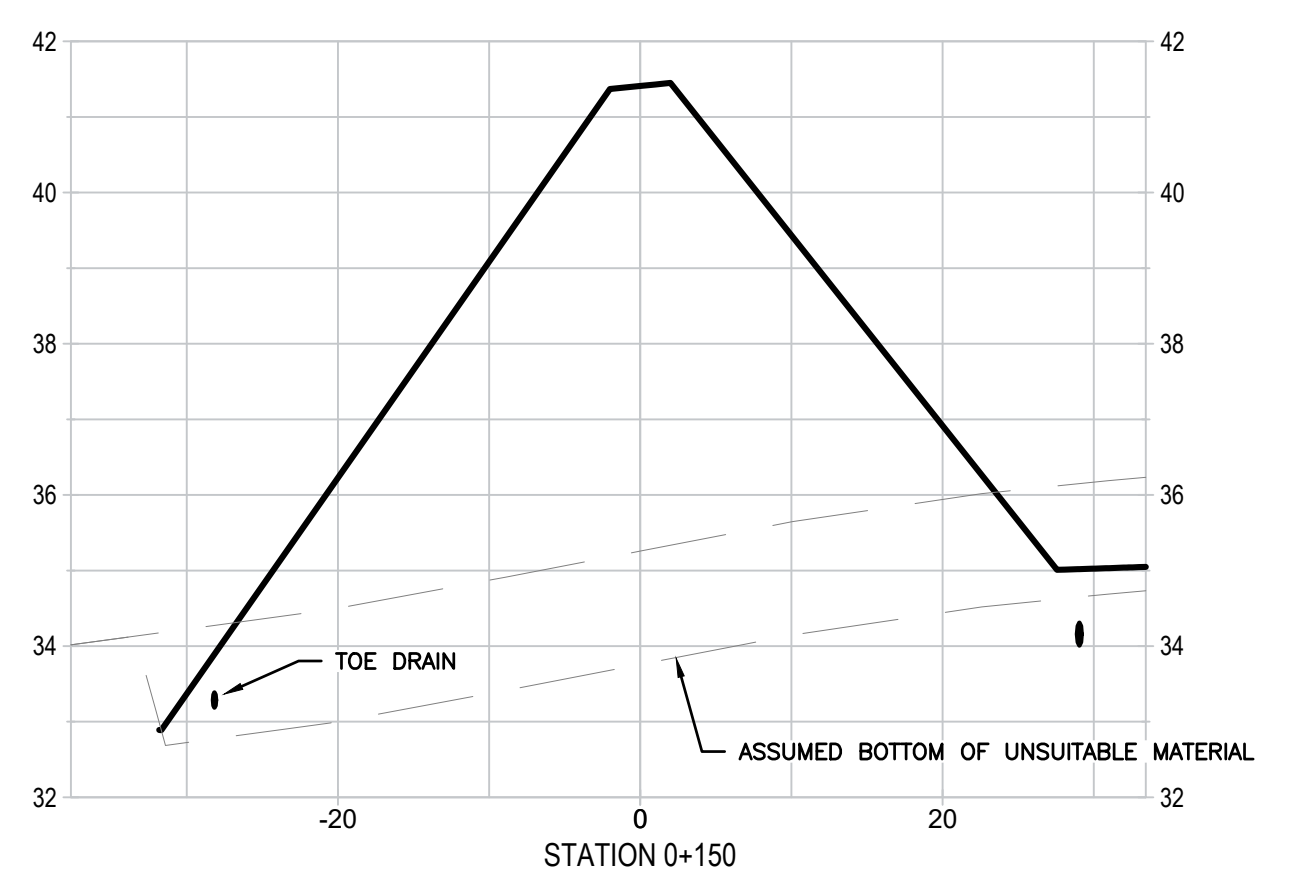
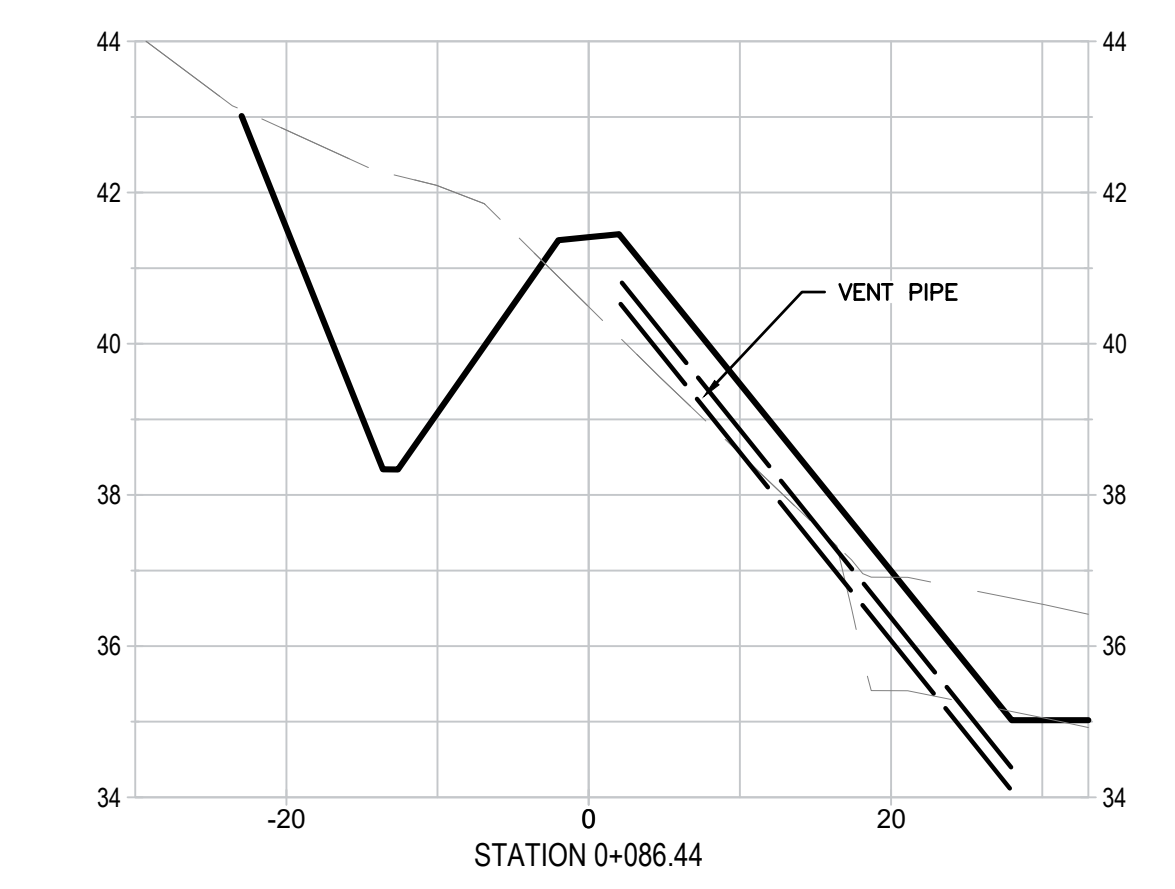
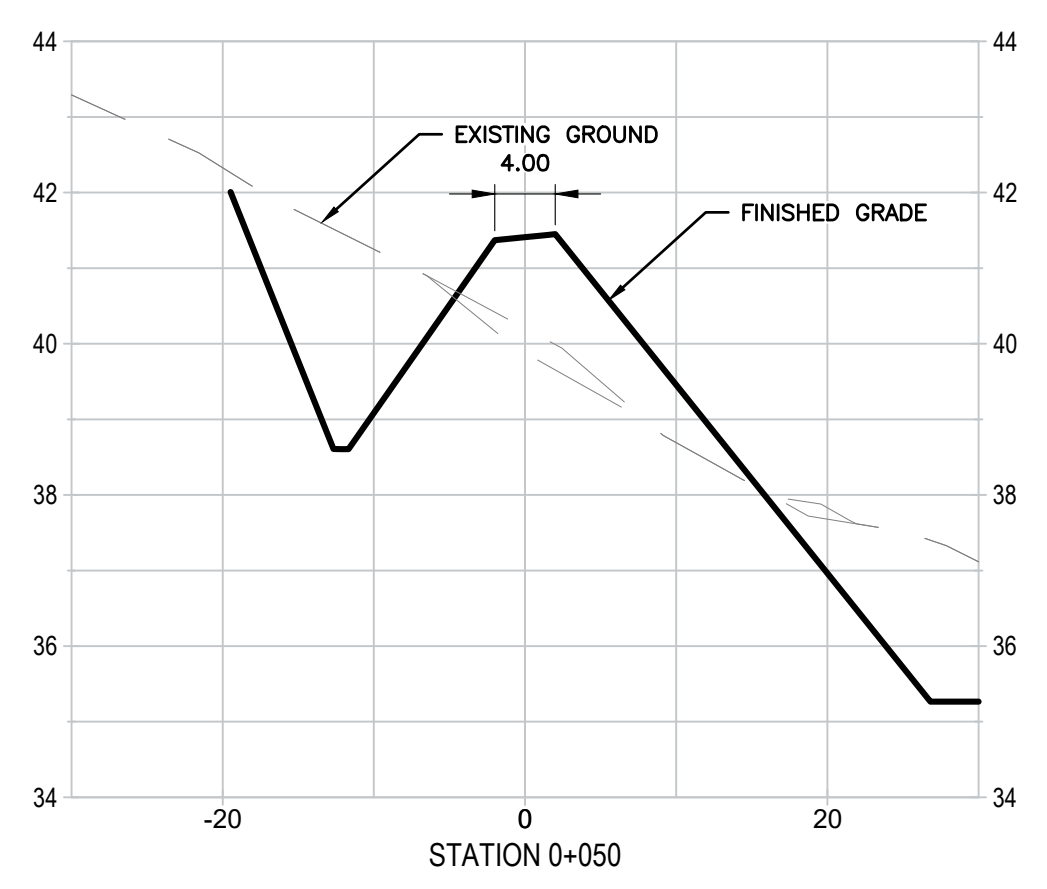
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DATE	APR 2026		
SCALE	AS SHOWN		
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		ISSUED FOR	DATE BY

Government of Nunavut
Naujaat Wastewater Treatment Facility

Access Road Plan, Profile & Details

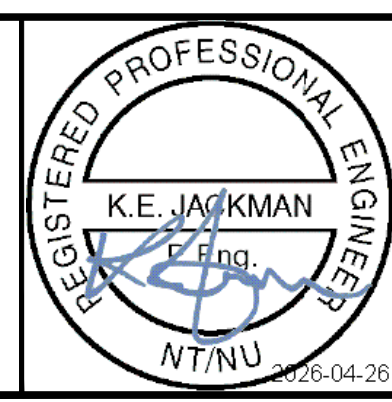
PROJECT NO.
212233

SHEET NO.
C106



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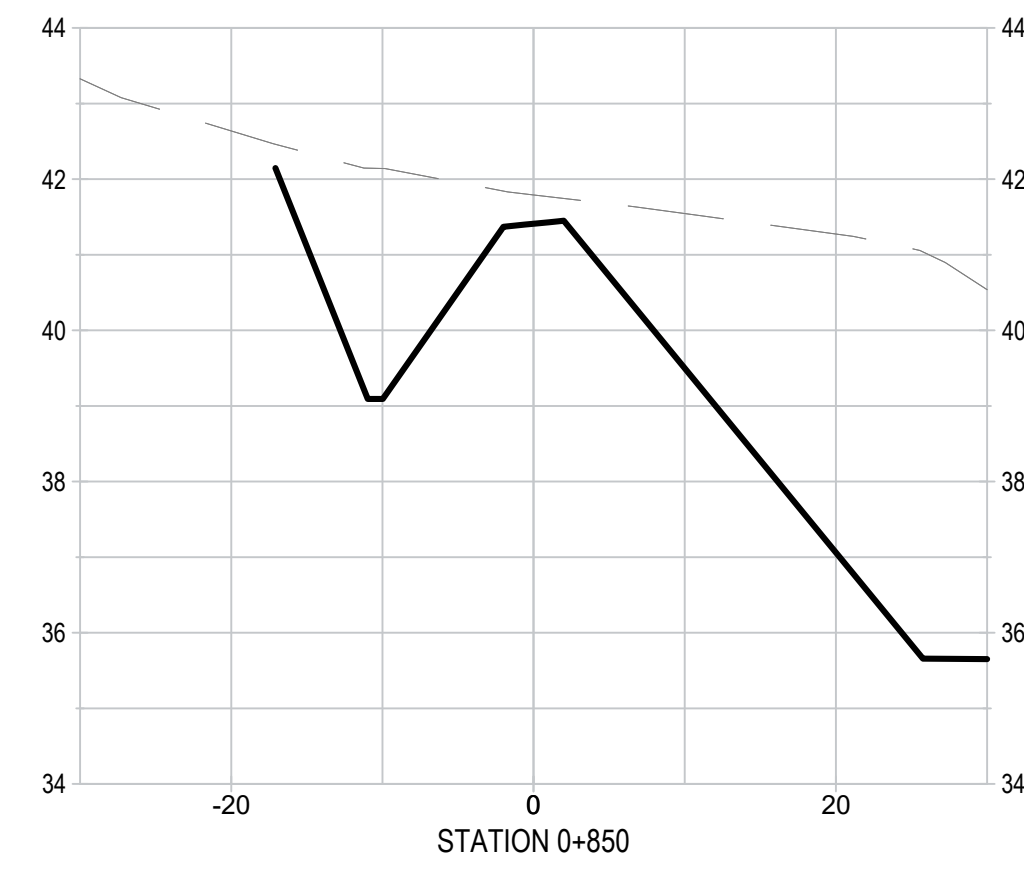
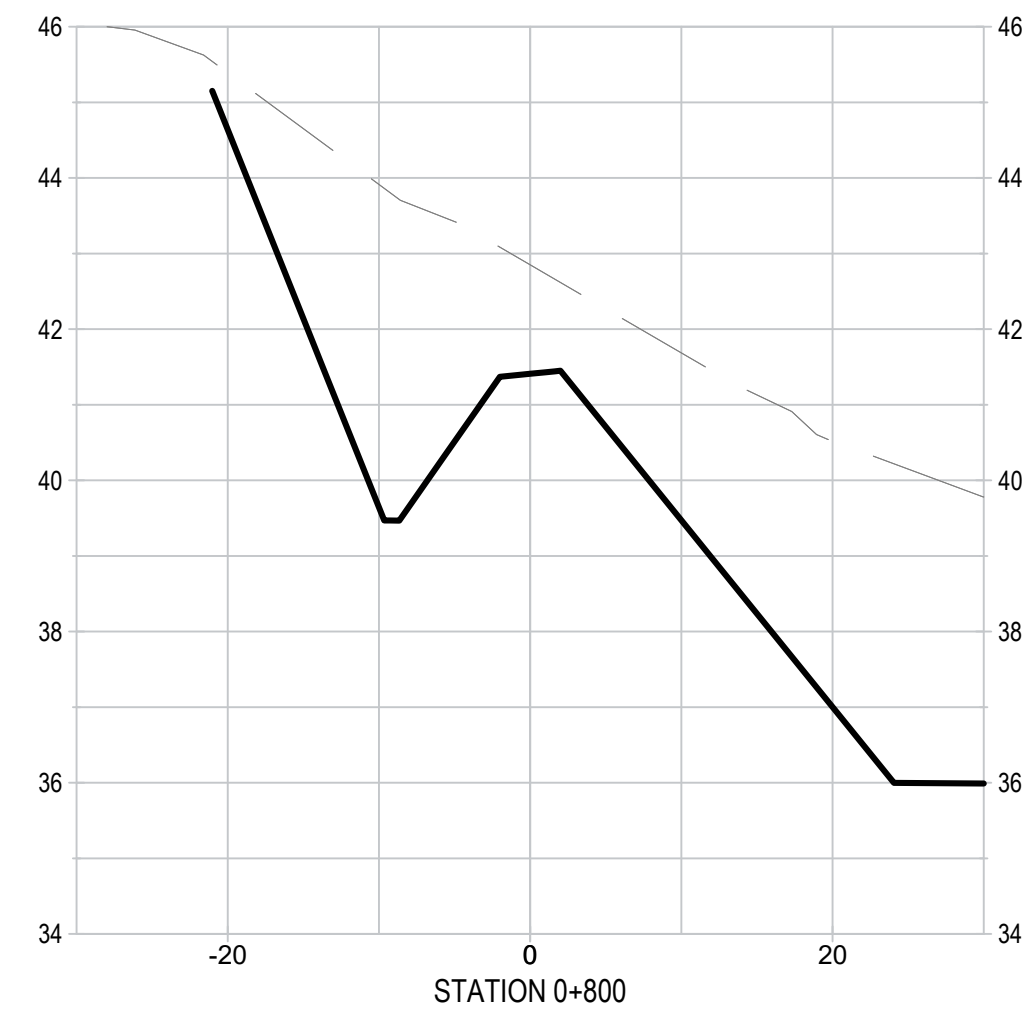
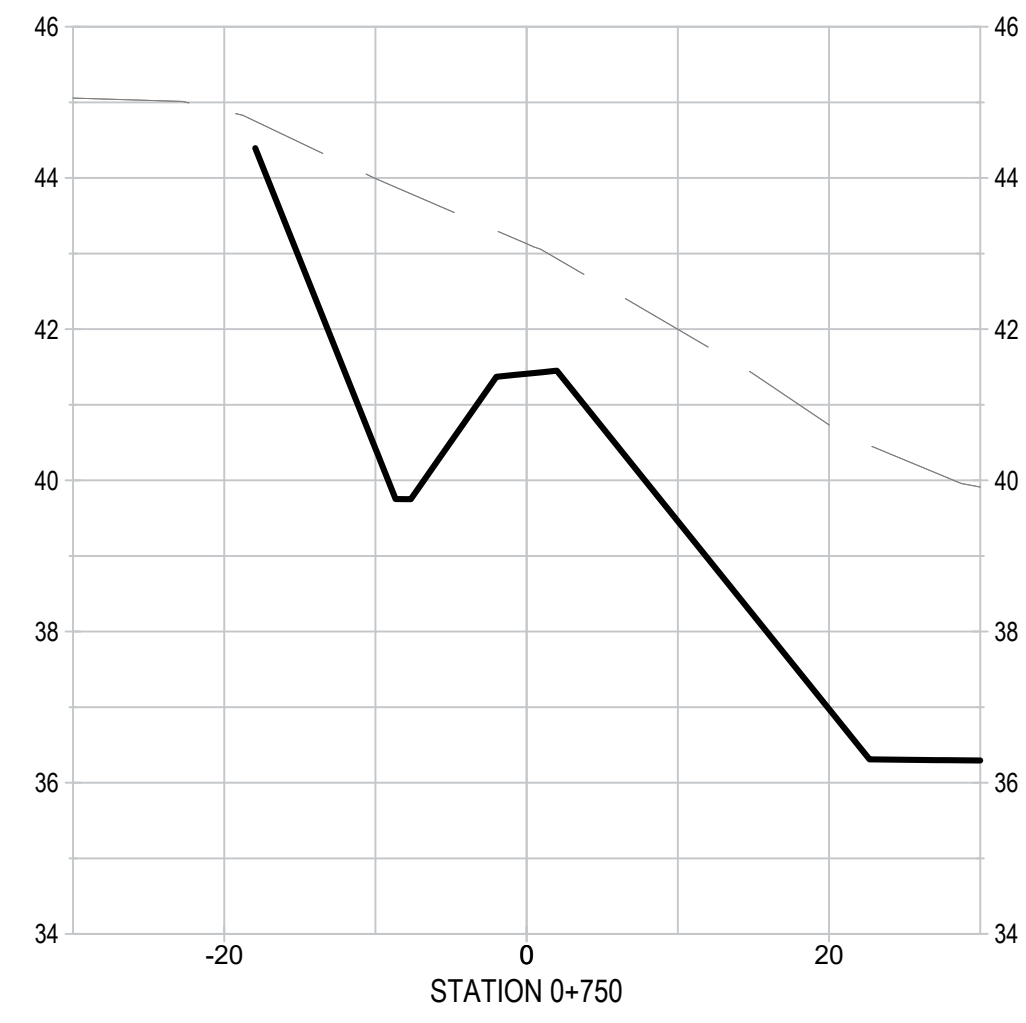
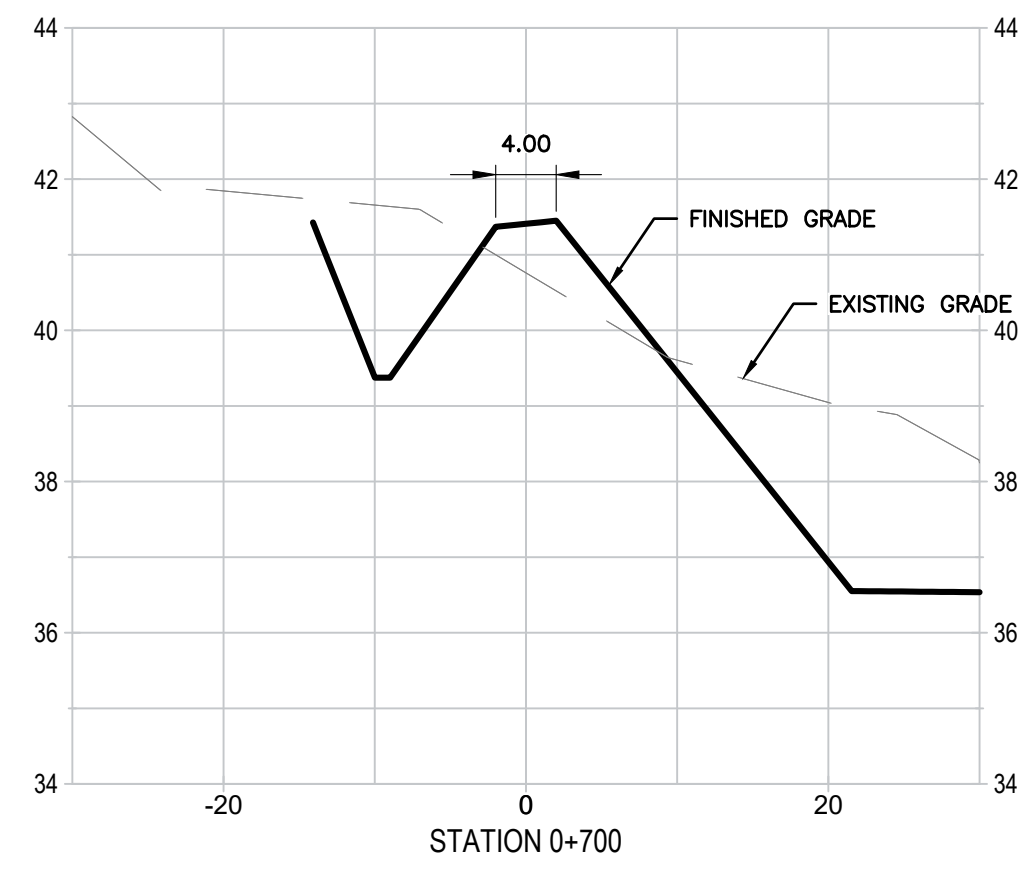


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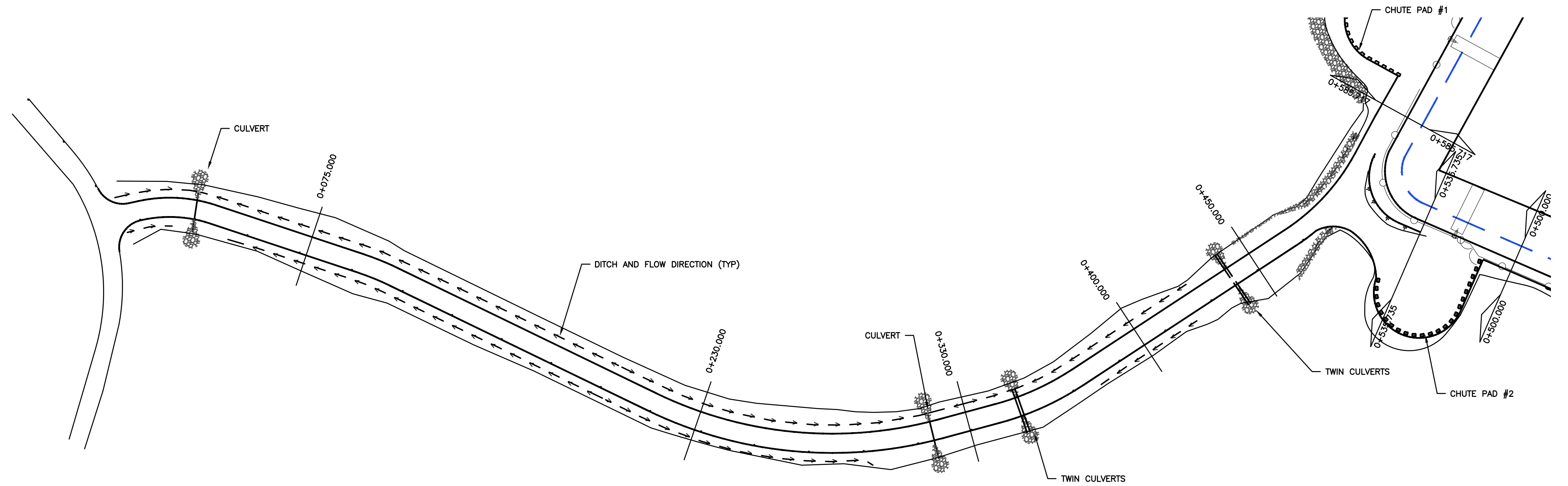
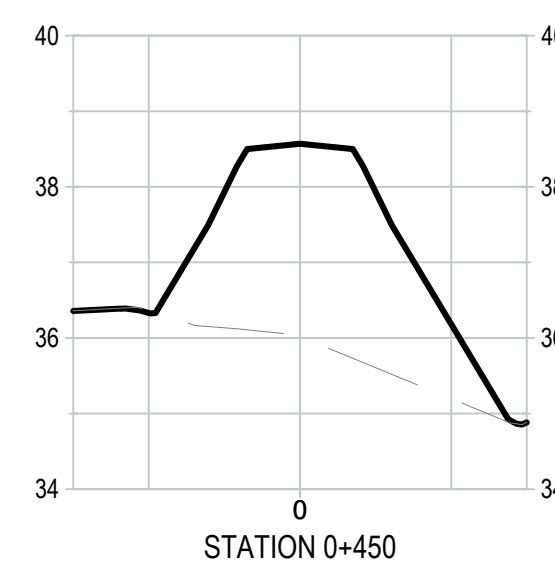
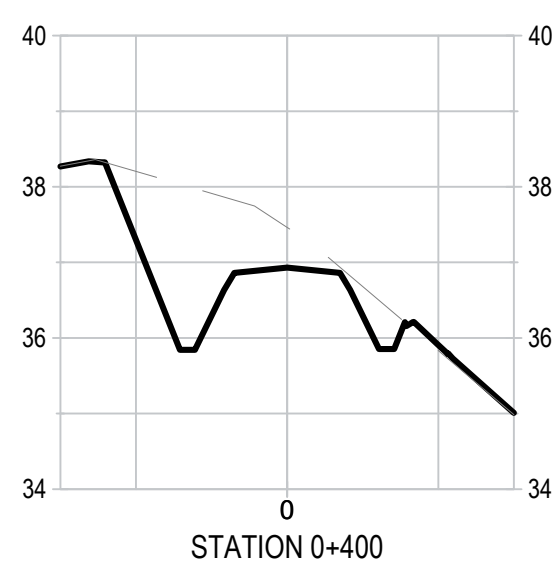
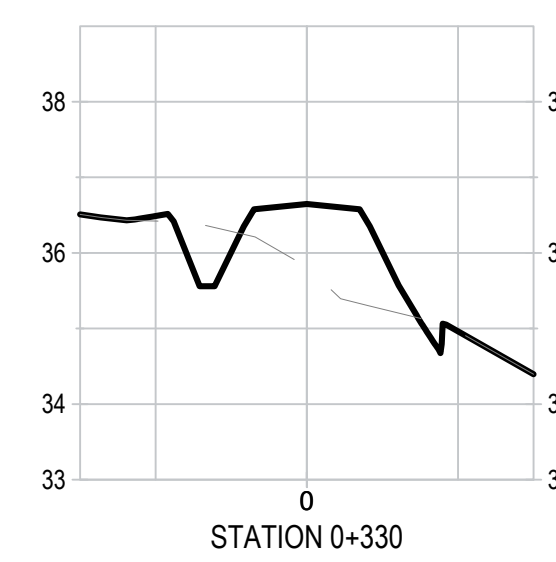
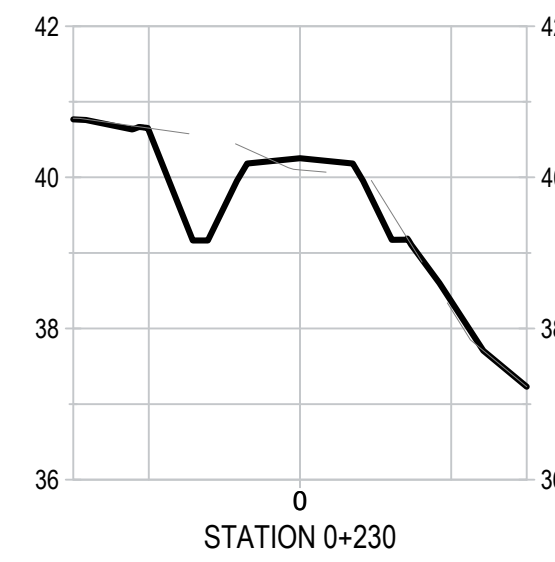
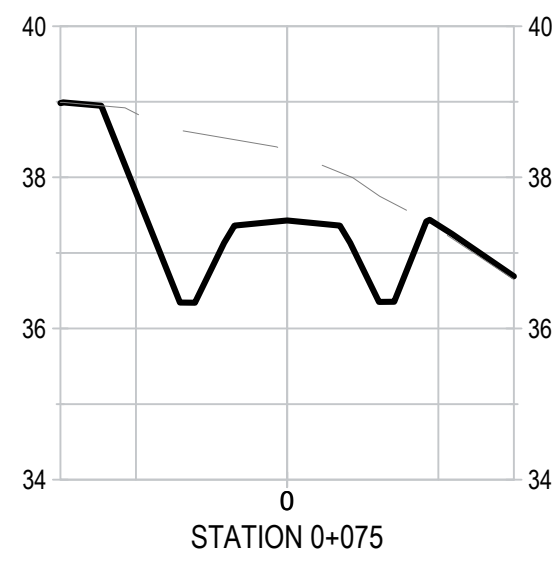
Government of Nunavut
Naujaat Wastewater Treatment Facility
Perimeter Berm Sections

PROJECT NO.
212233
SHEET NO.
C107



LAGOON BERM SECTIONS (CONTINUED)

ACCESS ROAD SECTIONS

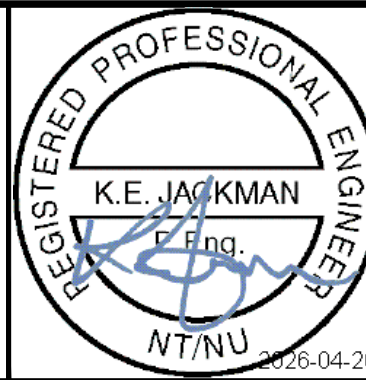


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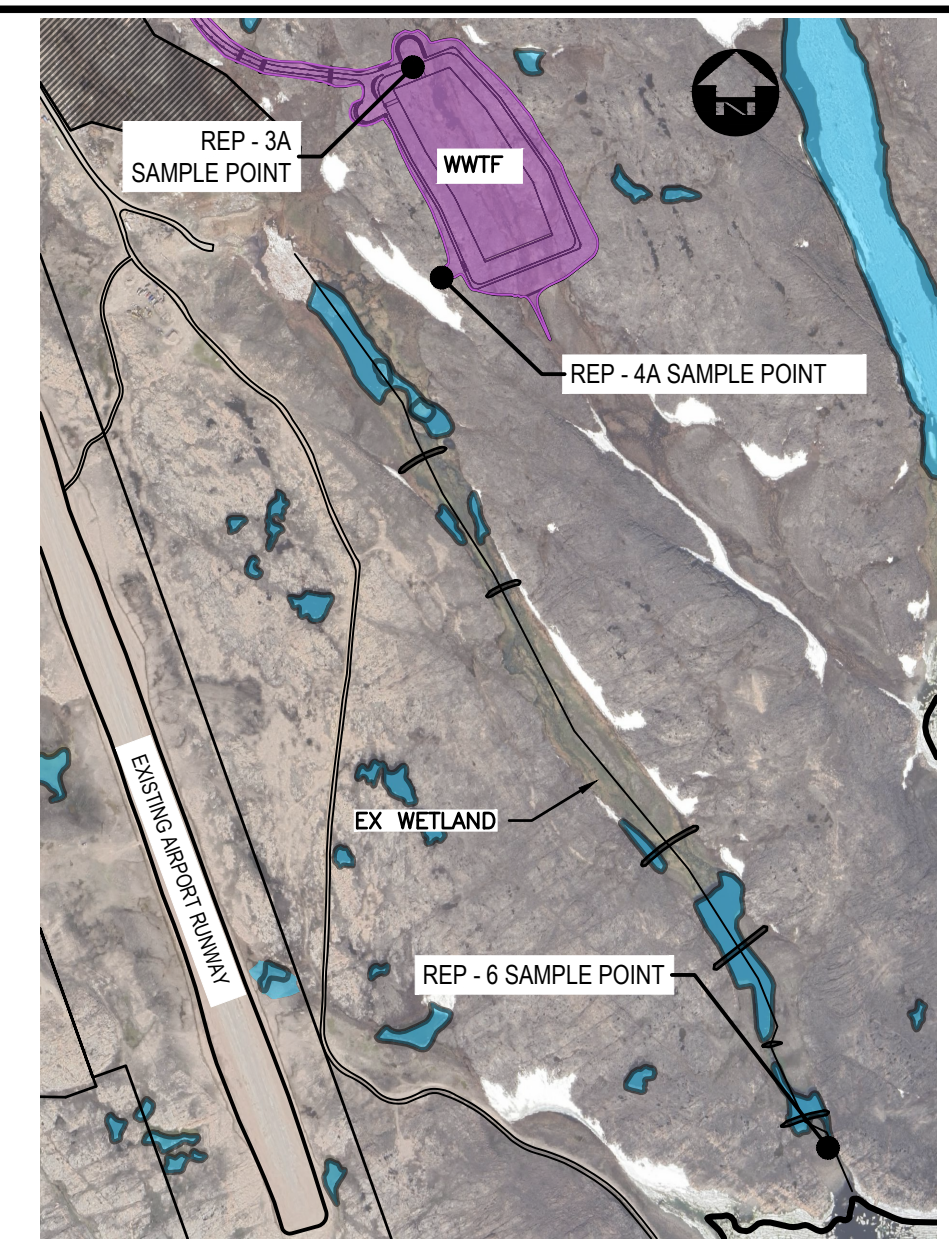
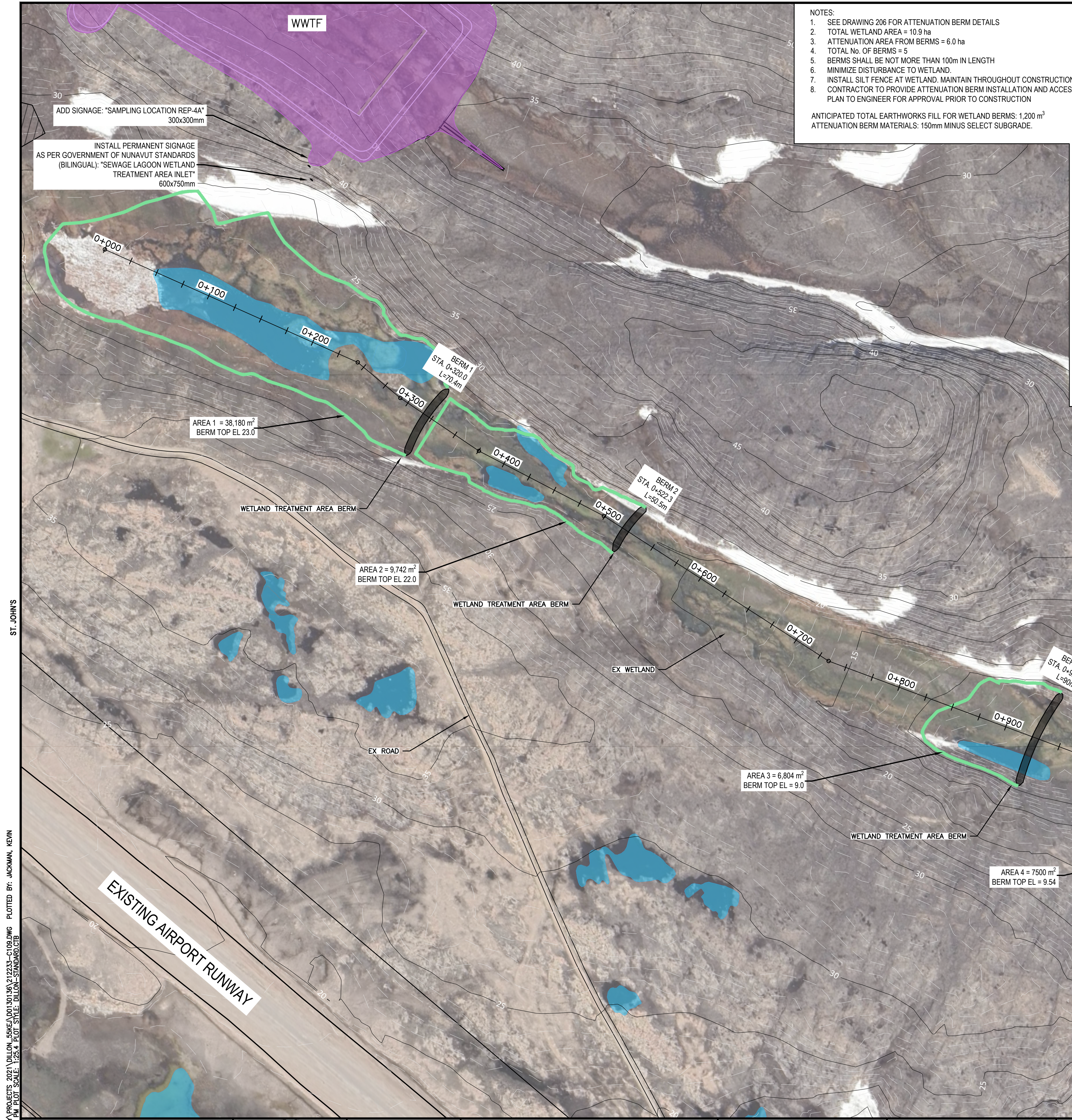
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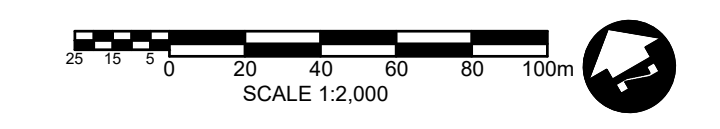
Perimeter Berm & Access Road Sections

PROJECT NO.
212233

SHEET NO.
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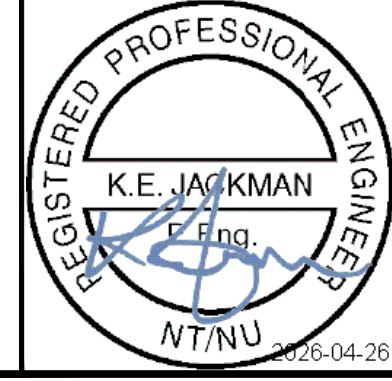


WETLAND ALIGNMENT TABLE					
No.	LENGTH (m)	START POINT	START STATION	END POINT	END STATION
L1	243.31	N7378893.15 E534649.13	0+000.00	N7378696.12 E534791.90	0+243.31
L2	48.73	N7378696.12 E534791.90	0+243.31	N7378650.34 E534808.59	0+292.04
L3	83.27	N7378650.34 E534808.59	0+292.04	N7378575.52 E534845.15	0+375.31
L4	123.73	N7378575.52 E534845.15	0+375.31	N7378471.17 E534911.63	0+499.04
L5	234.95	N7378471.17 E534911.63	0+499.04	N7378262.14 E535018.90	0+734.00
L6	236.39	N7378262.14 E535018.90	0+734.00	N7378080.04 E535169.63	0+970.38
L7	172.20	N7378080.04 E535169.63	0+970.38	N7377934.86 E535262.23	1+142.58
L8	68.51	N7377934.86 E535262.23	1+142.58	N7377871.25 E535287.66	1+211.09
L9	26.60	N7377871.25 E535287.66	1+211.09	N7377846.31 E535278.41	1+237.69
L10	16.37	N7377846.31 E535278.41	1+237.69	N7377831.25 E535284.81	1+254.06
L11	94.93	N7377831.25 E535284.81	1+254.06	N7377744.90 E535324.26	1+348.99
L12	31.71	N7377744.90 E535324.26	1+348.99	N7377731.24 E535352.87	1+380.70
L13	84.95	N7377731.24 E535352.87	1+380.70	N7377653.27 E535386.59	1+465.64



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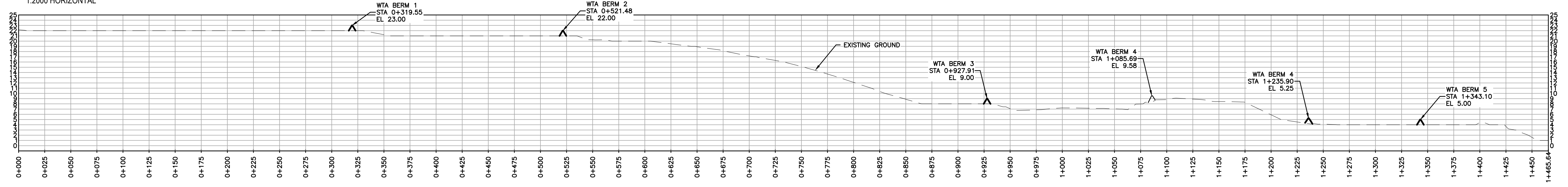


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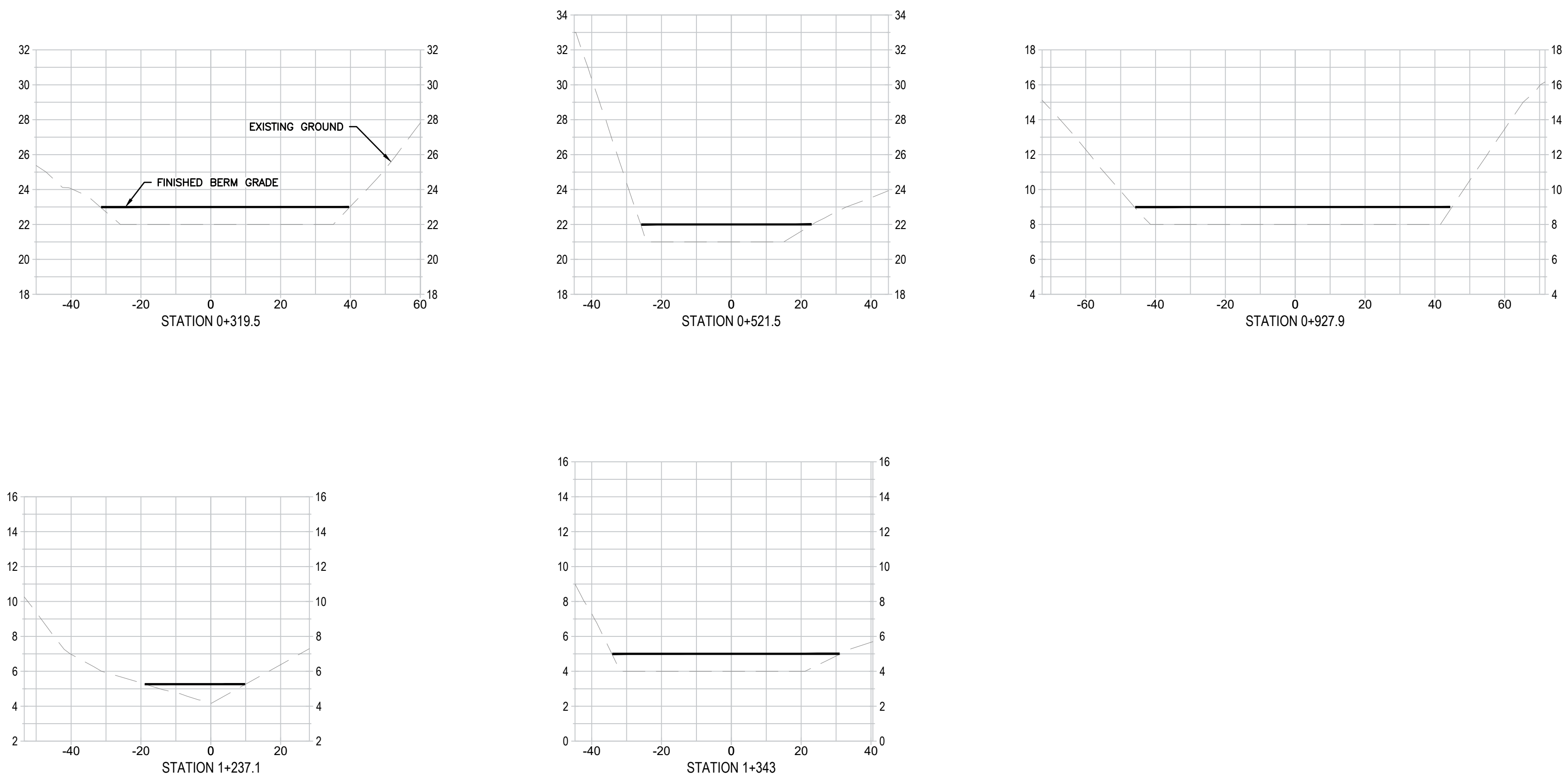
Government of Nunavut
Naujaat Wastewater Treatment Facility
Wetland Treatment Area Attenuation Berms Plan

PROJECT NO.
212233
SHEET NO.
C109

WETLAND PROFILE (REFERENCE SHEET 109 FOR PLAN VIEW)
1:2000 HORIZONTAL



WETLAND TREATMENT BERM SECTIONS
SCALE 1:1000 HORIZONTAL, 1:200 VERTICAL



- NOTES:
1. MAXIMUM LENGTH OF BERM = 100.0m
 2. REFER TO DRAWING 109 FOR BERM CENTERLINE COORDINATES AND CHAINAGES.
 3. ALL BERM LOCATIONS TO BE FIELD VERIFIED WITH CONSULTANT PRIOR TO INSTALLATION.

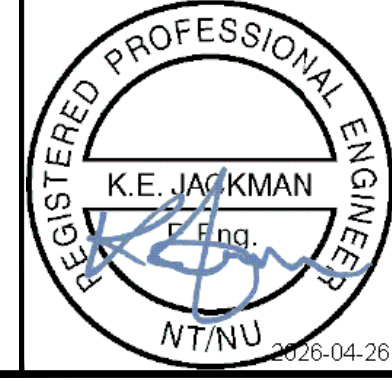
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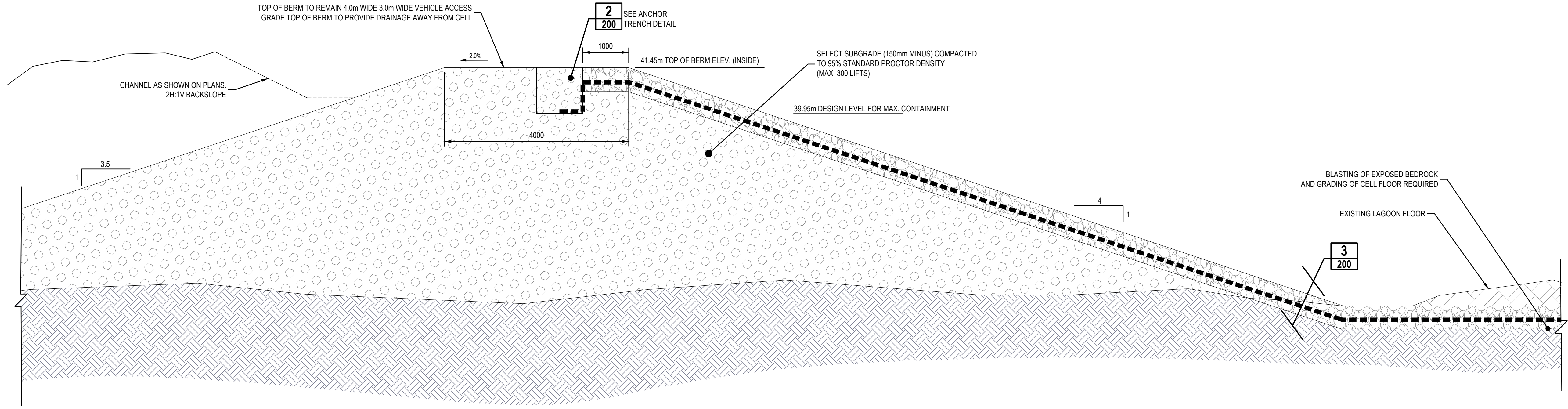


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**Wetland Treatment Area Attenuation Berms
Profile & Sections**

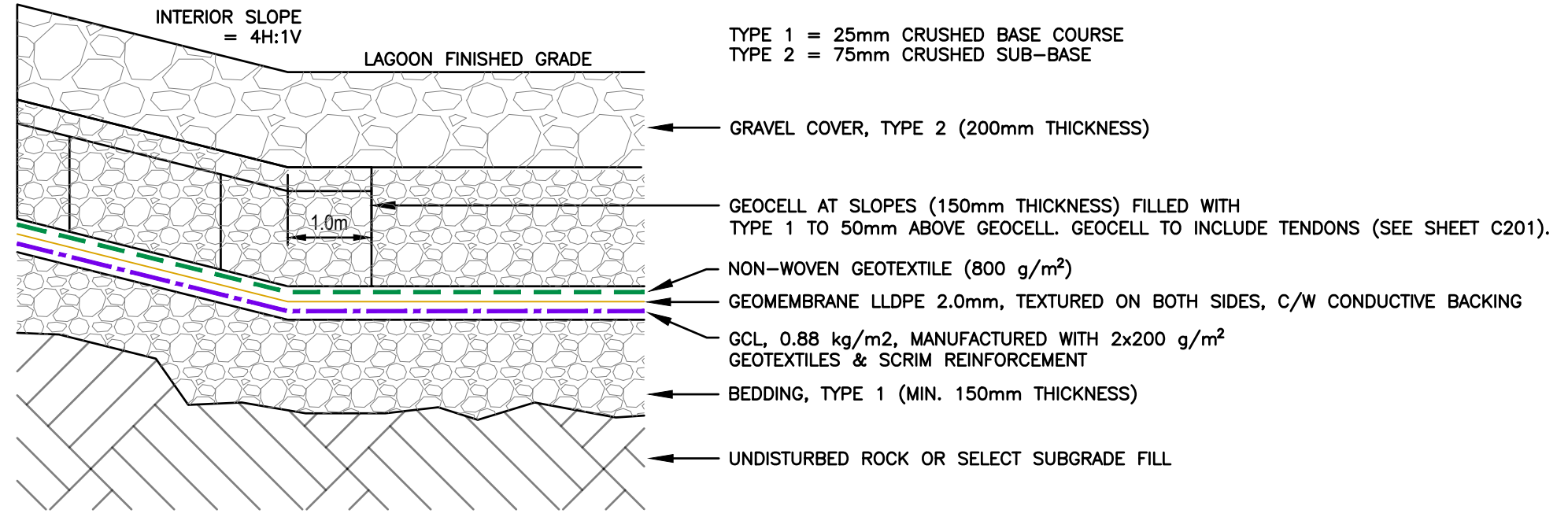
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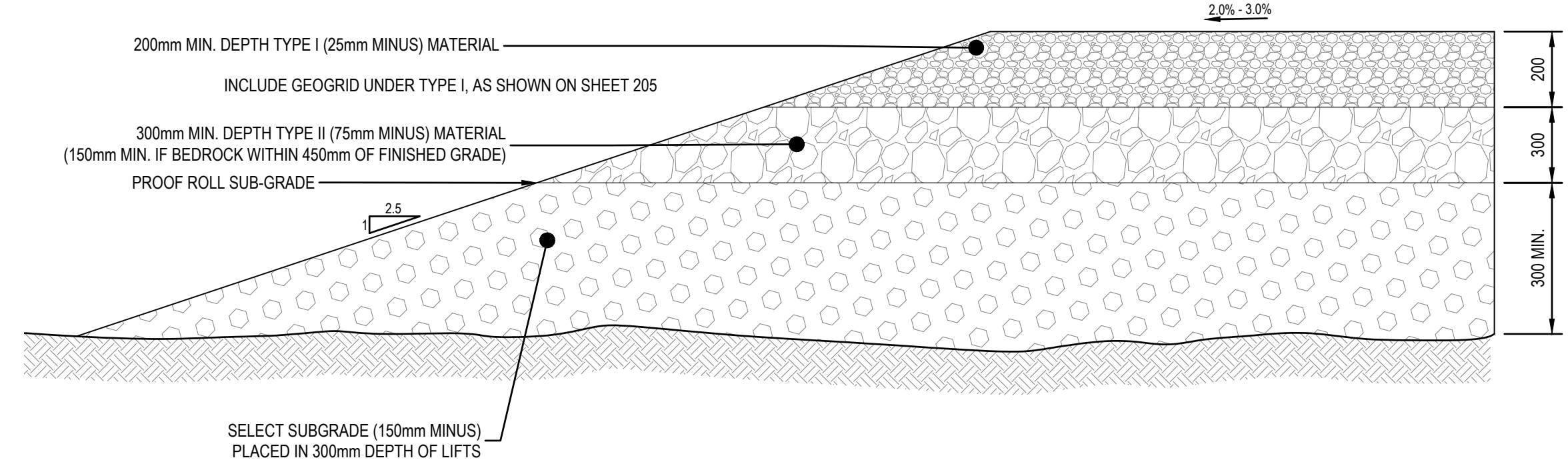
BERM WITH LINER
SCALE: N.T.S. 1/200

- NOTES:
1. THE SUB-BASE SHALL BE UNIFORM AND FREE OF SHARP ROCK FRAGMENTS OR STONES, LARGE STONES AND OTHER DELETERIOUS MATTER SUCH AS CONSTRUCTION DEBRIS AND METALLIC OBJECTS. THE SURFACE SHALL NOT HAVE ANY NATURAL OR FOREIGN OBJECT THAT PROTRUDES ABOVE THE SURFACE OF THE SUB-BASE.
 2. COMPACT LAGOON SUB-BASE TO 95% SPD.
 3. ANCHOR TRENCH TO HAVE ROUNDED EDGES TO ACCOMMODATE LINER BENDING/INSTALLATION.
 4. LINER INSTALLERS TO APPROVE BASE PREPARATION.
 5. LINER MANUFACTURER TO PROVIDE LINER LAYOUT PLAN.
 6. LINER MANUFACTURER TO APPROVE LINER PENETRATIONS.
 7. THE PREPARED FOOTPRINT OF THE BERM EXTEND AT LEAST 2.0m BEYOND THE TOE OF THE SLOPES. THE EXPANDED FOOTPRINT SHOULD BE STRIPPED OF ANY SURFICIAL BOULDERS, ORGANIC/PEAT LAYER, ICE-RICH CLAYEY SAND AND/OR ANY OTHER SOFT SATURATED MATERIALS ENCOUNTERED TO EXPOSE A STRUCTURALLY STABLE SUB-GRADE OF EITHER UNFROZEN WELL-GRADED SAND AND GRAVEL, OR BEDROCK AS EVALUATED AND APPROVED BY QUALIFIED GEOTECHNICAL PERSONNEL ON SITE AT THE TIME OF CONSTRUCTION.
 8. CONTRACTOR PROCURED GEOTECHNICAL ENGINEER SHALL REVIEW SITE CONDITIONS AND CONFIRM IN WRITING THAT RETENTION BERM GEOMETRY, AS DESIGNED, IS APPROPRIATE.

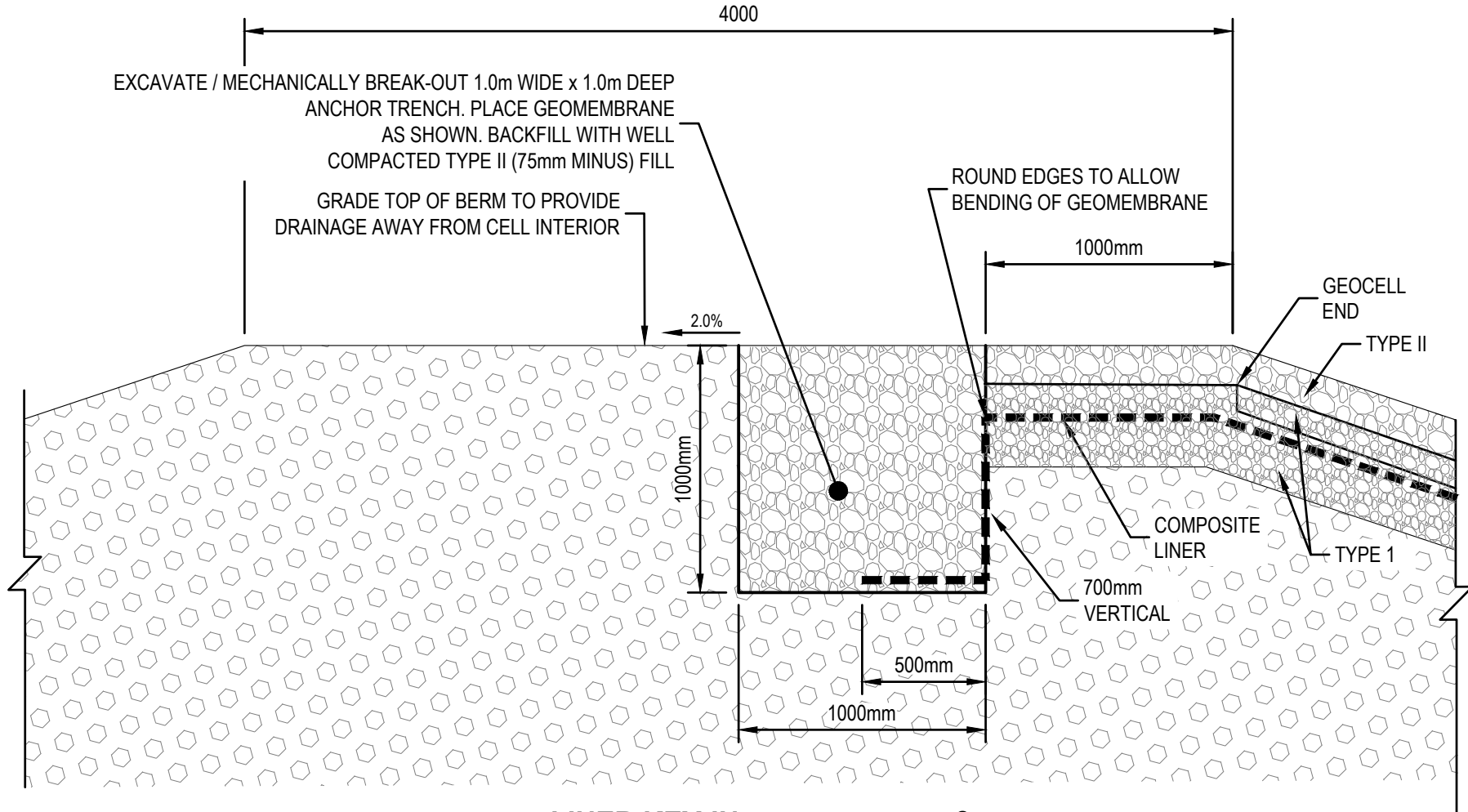
- INFILL NOTES:
1. NO VEHICLE IS ALLOWED TO CIRCULATE ON THE GEOTEXTILE OR ON THE GEOCELL BEFORE INFILL PLACEMENT.
 2. LOW GROUND PRESSURE EQUIPMENT (70 kPa) MUST BE USED TO CIRCULATE ON THE GEOCELLS COVERED BY 50 mm OF GRAVEL, I.E., WHEN THE GRAVEL COVER MEASURED FROM THE GEOTEXTILE CUSHION IS 200 mm.
 3. TRUCKS DELIVERING THE GRAVEL MUST CIRCULATE ON COMPACTED, TEMPORARY BERMS WITH A THICKNESS OF 900 mm AS MEASURED FROM THE GEOTEXTILE CUSHION.
 4. PLACE THE SPECIFIED AGGREGATE INFILL WITH SUITABLE MATERIAL HANDLING EQUIPMENT. THE AGGREGATE MUST BE DROPPED FROM A FRONT LOADER OR A BUCKET. IT MUST NOT BE PUSHED-IN-PLACE WITH A DOZER.
 5. PERFORM LEAK DETECTION OF LLDPE LINER USING CONDUCTIVE BACKING.



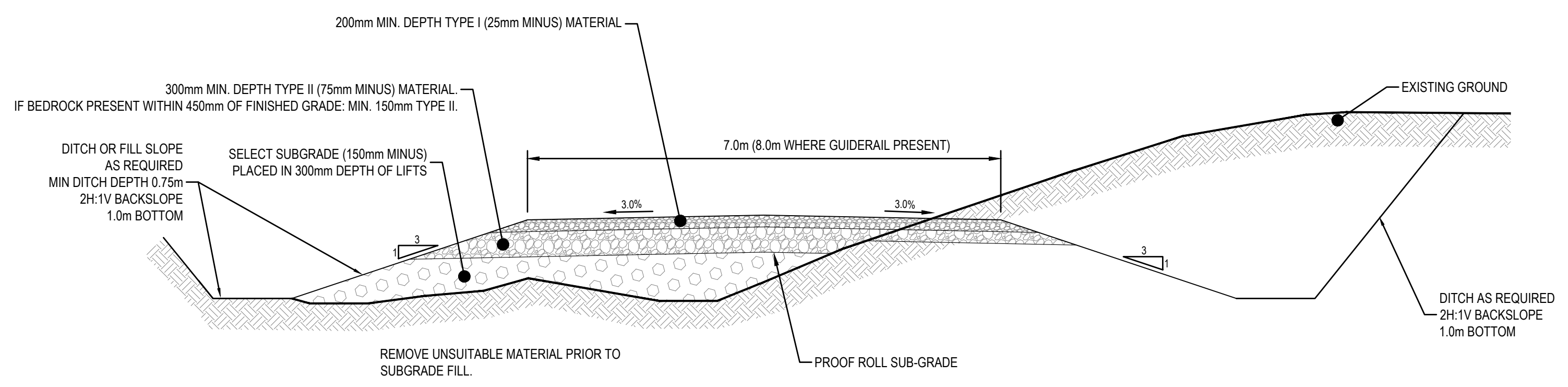
LINER DETAIL
SCALE: N.T.S. 3/200



CHUTE PAD SECTION
SCALE: N.T.S. 5/200



LINER KEY-IN
SCALE: N.T.S. 2/200



ACCESS ROAD SECTION
SCALE: N.T.S. 6/200

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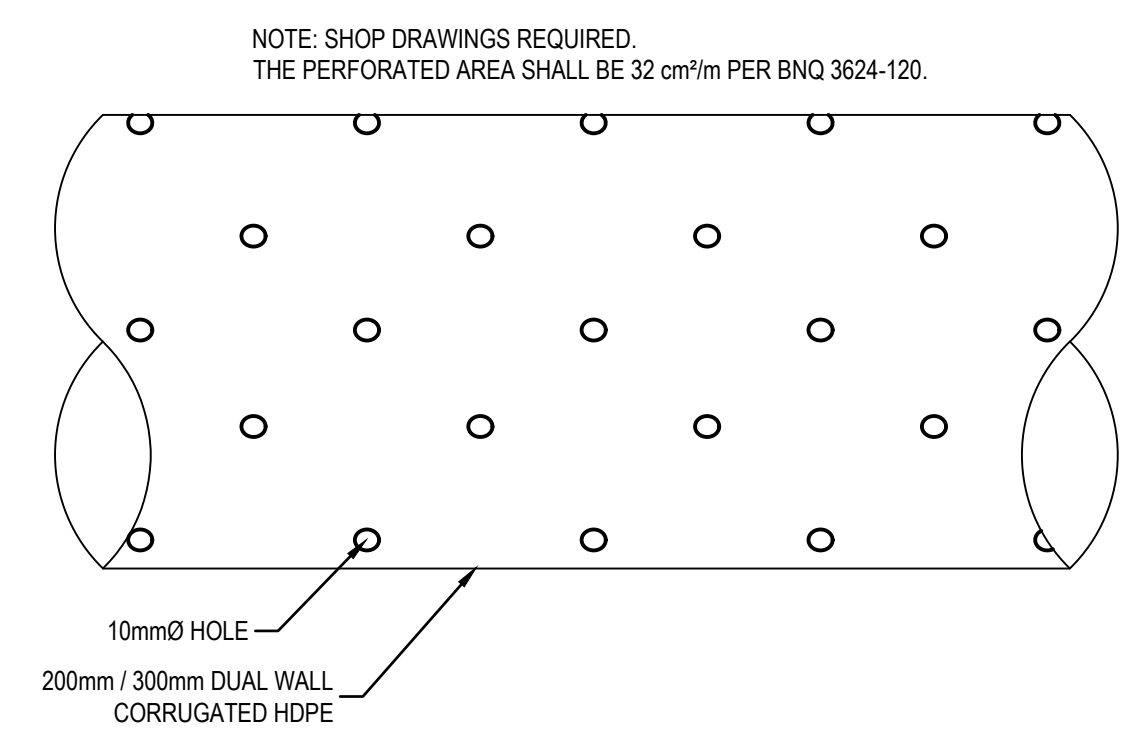
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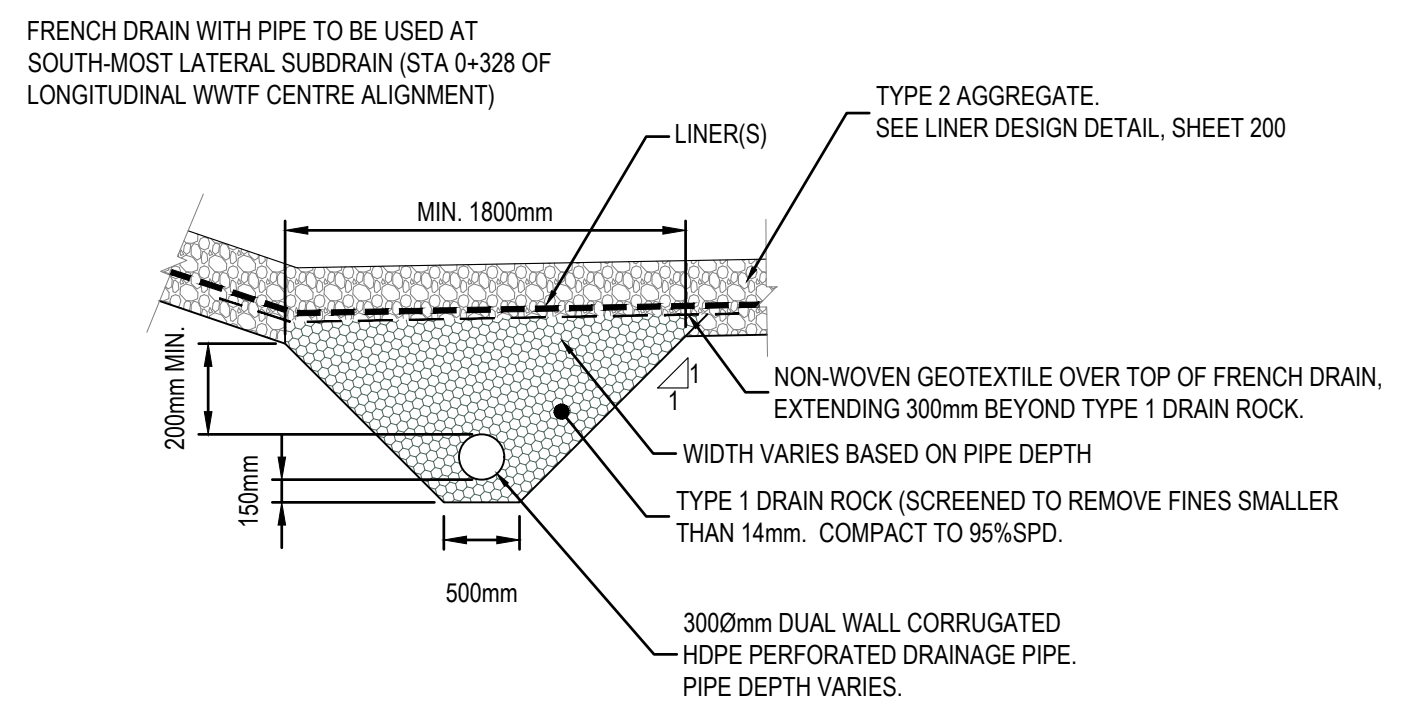
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SHEET NO.
C200

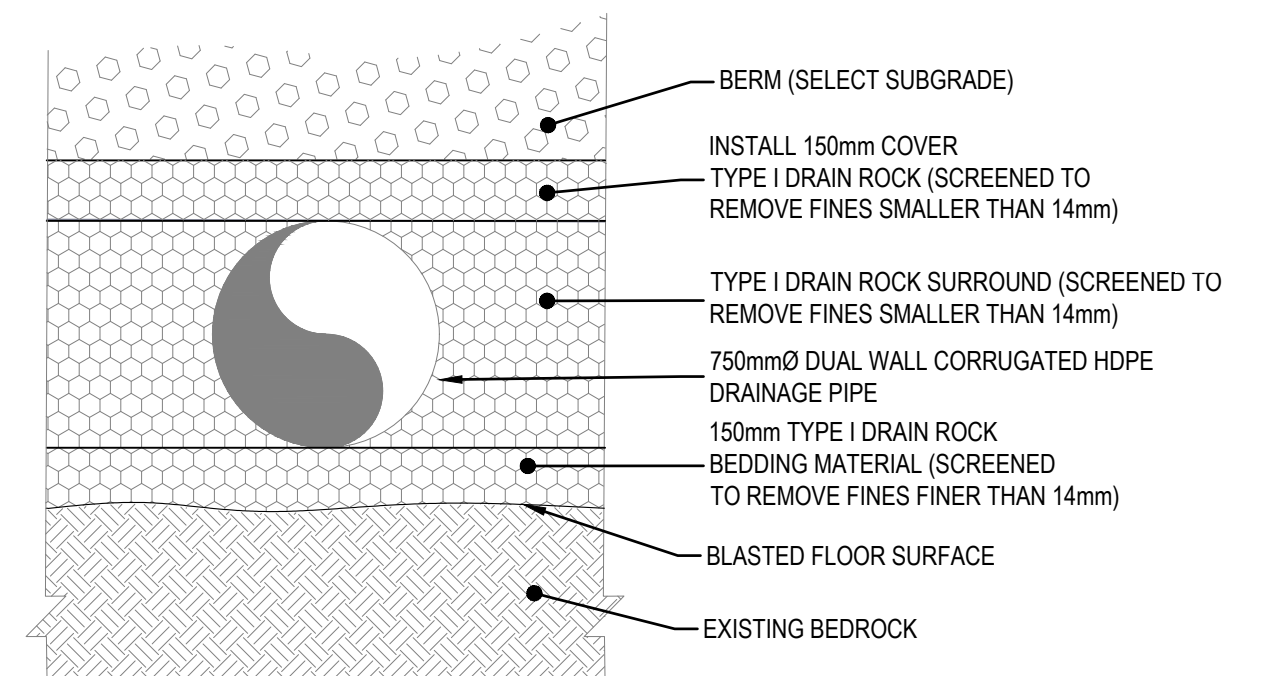
Typical Berm Details



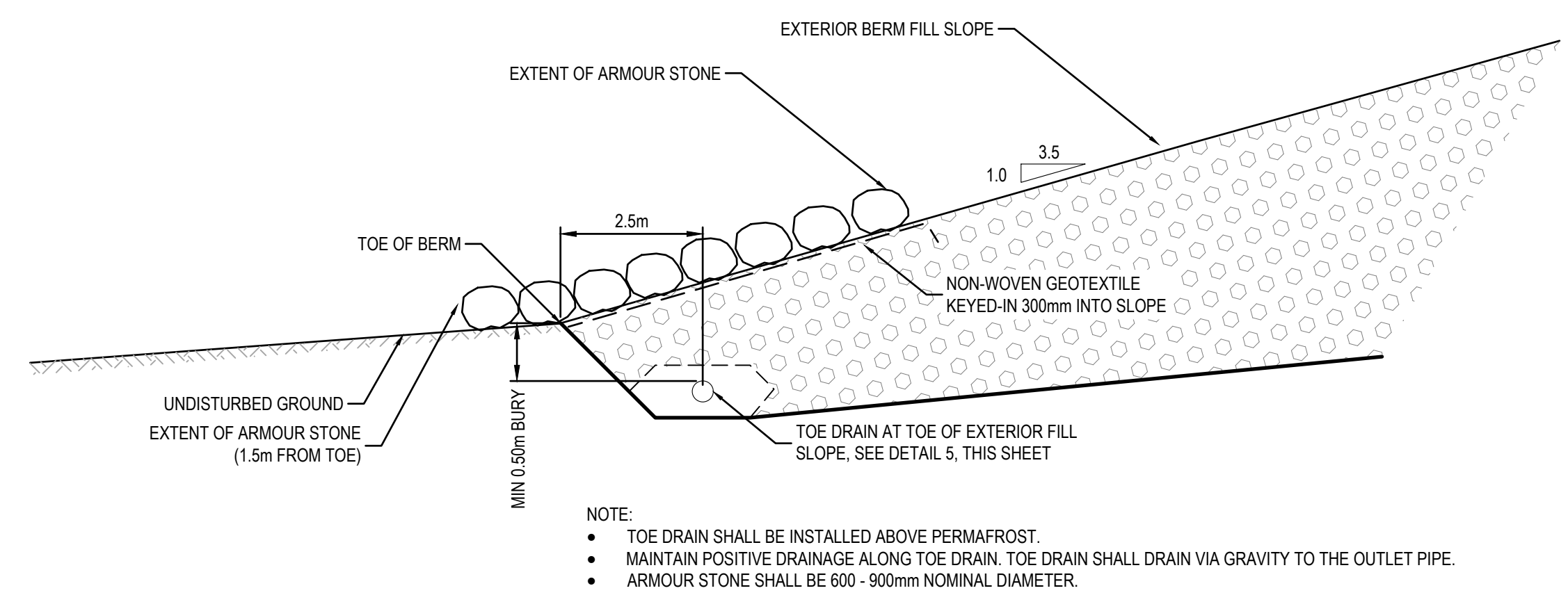
DRAINAGE AND VENT PIPE PERFORATION DETAIL 1
SCALE: 1:5 202



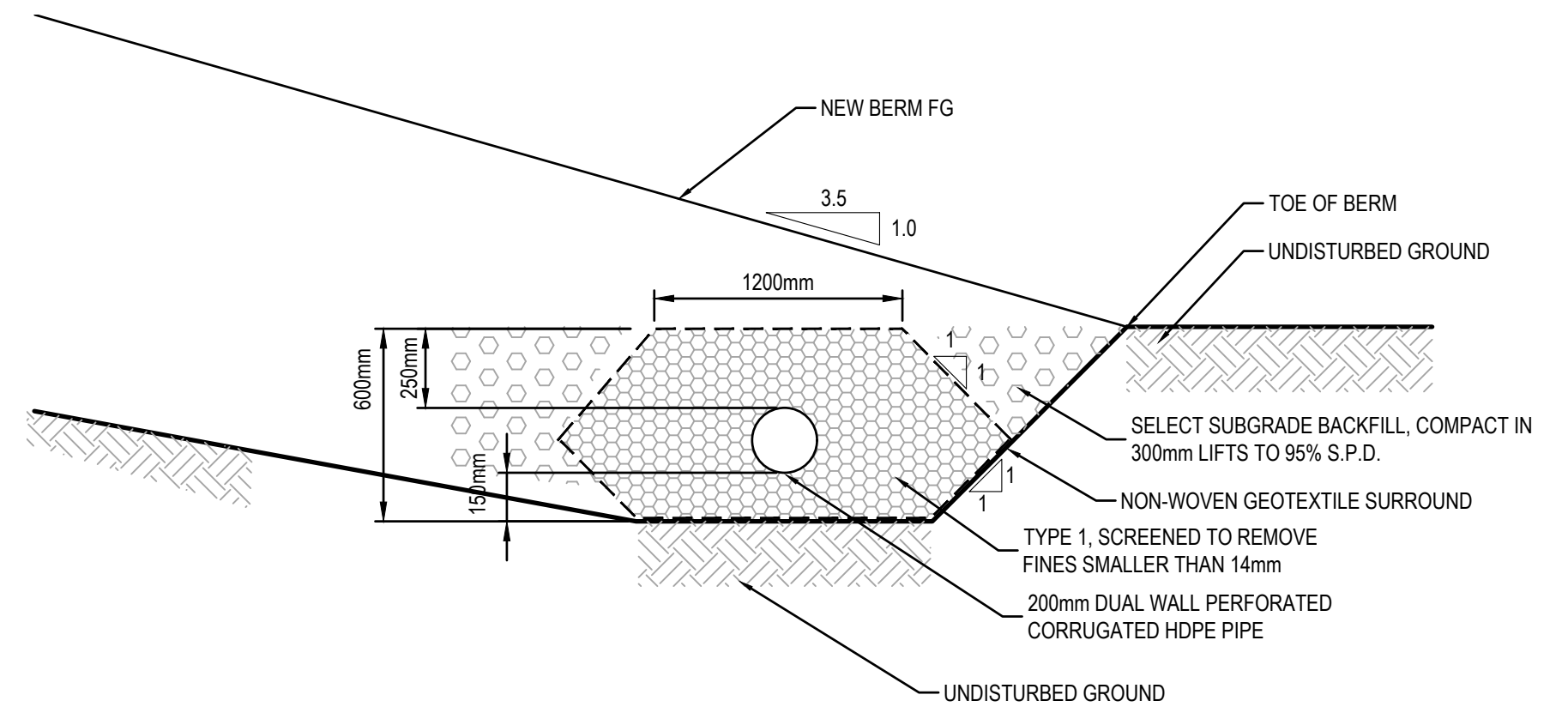
FRENCH DRAIN CROSS SECTION 2
SCALE: 1:50 201



750mm DRAINAGE PIPE CROSS SECTION 3
SCALE: 1:25 201

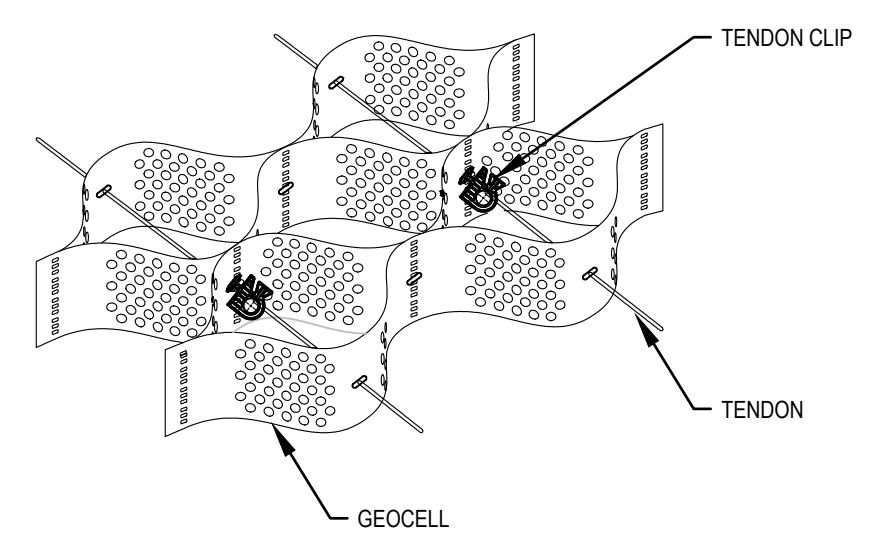
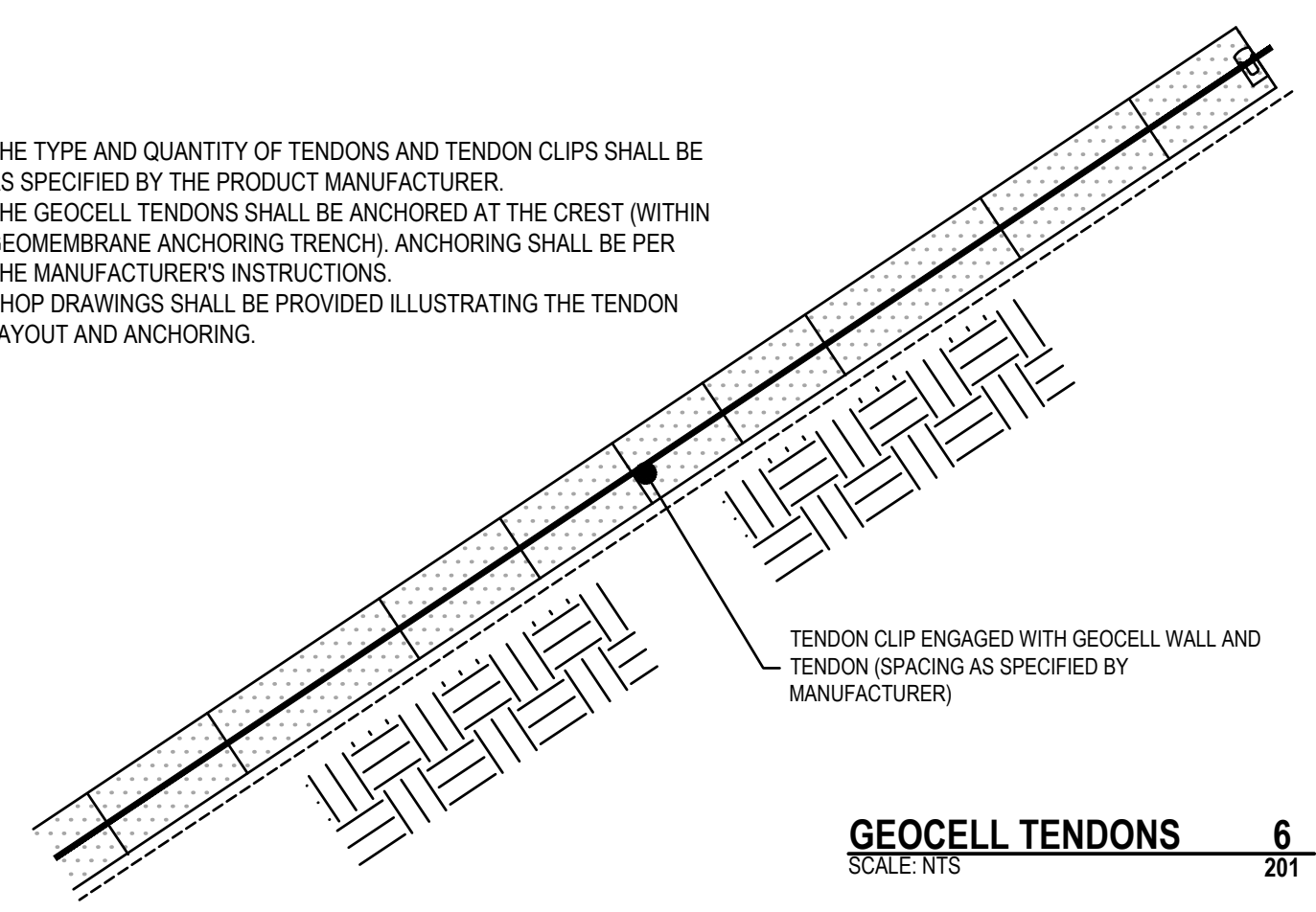


TOE DRAIN & ARMOURING 4
SCALE: 1:50 201



TOE DRAIN DETAIL 5
SCALE: 1:20 201

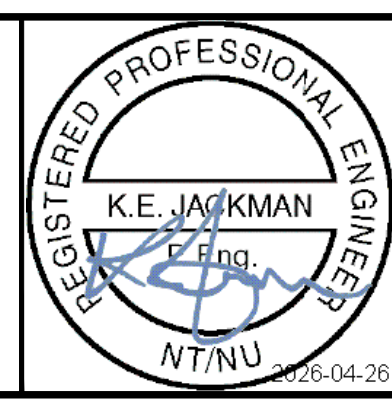
- NOTES:
1. THE TYPE AND QUANTITY OF TENDONS AND TENDON CLIPS SHALL BE AS SPECIFIED BY THE PRODUCT MANUFACTURER.
 2. THE GEOCELL TENDONS SHALL BE ANCHORED AT THE CREST (WITHIN GEOMEMBRANE ANCHORING TRENCH). ANCHORING SHALL BE PER THE MANUFACTURER'S INSTRUCTIONS.
 3. SHOP DRAWINGS SHALL BE PROVIDED ILLUSTRATING THE TENDON LAYOUT AND ANCHORING.



GEOCELL TENDONS 6
SCALE: NTS 201

ST. JOHNS
FILENAME: C:\P\WORKING\DIRECTOR\PROJECTS\2021\DILLON-5556\0130134\212233-BREANL SHEETS.DWG; PLOTTED BY: JACKMAN, KEVIN
PLOT DATE: 2026-04-26 @ 10:55:41 AM EST. SCALE: 1:25.4. PLOT SIZE: DILLON-STANDARD.CTR

Conditions of Use
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Date: Apr 30, 2026
PERMIT NUMBER: P 010
NTNU Association of Professional Engineers and Geoscientists

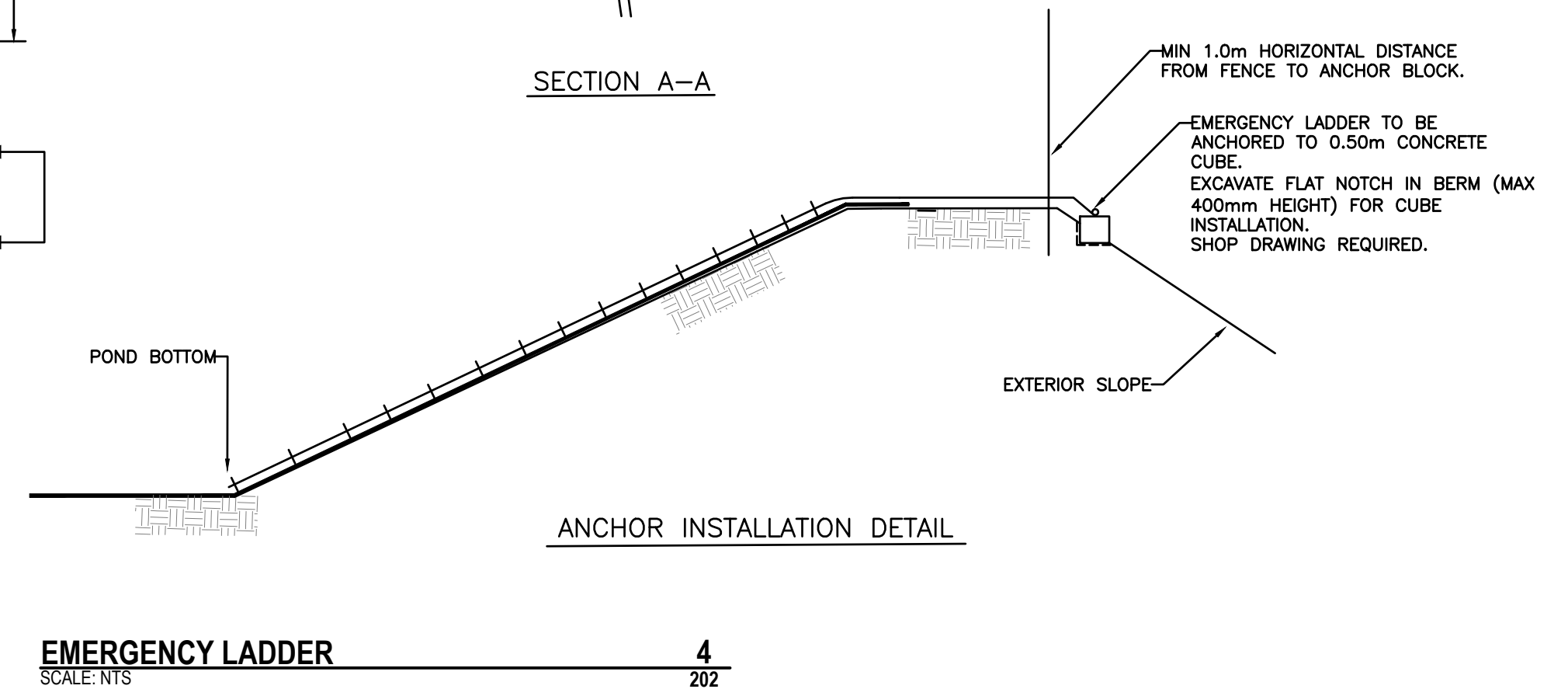
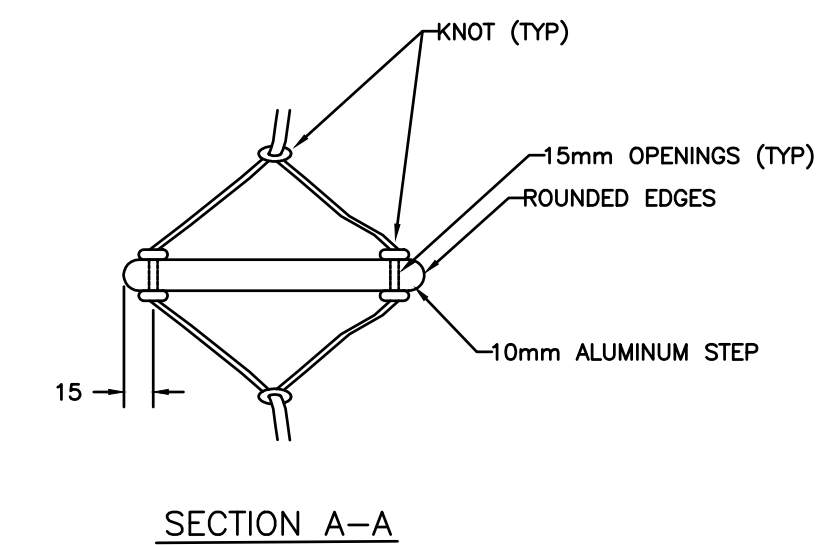
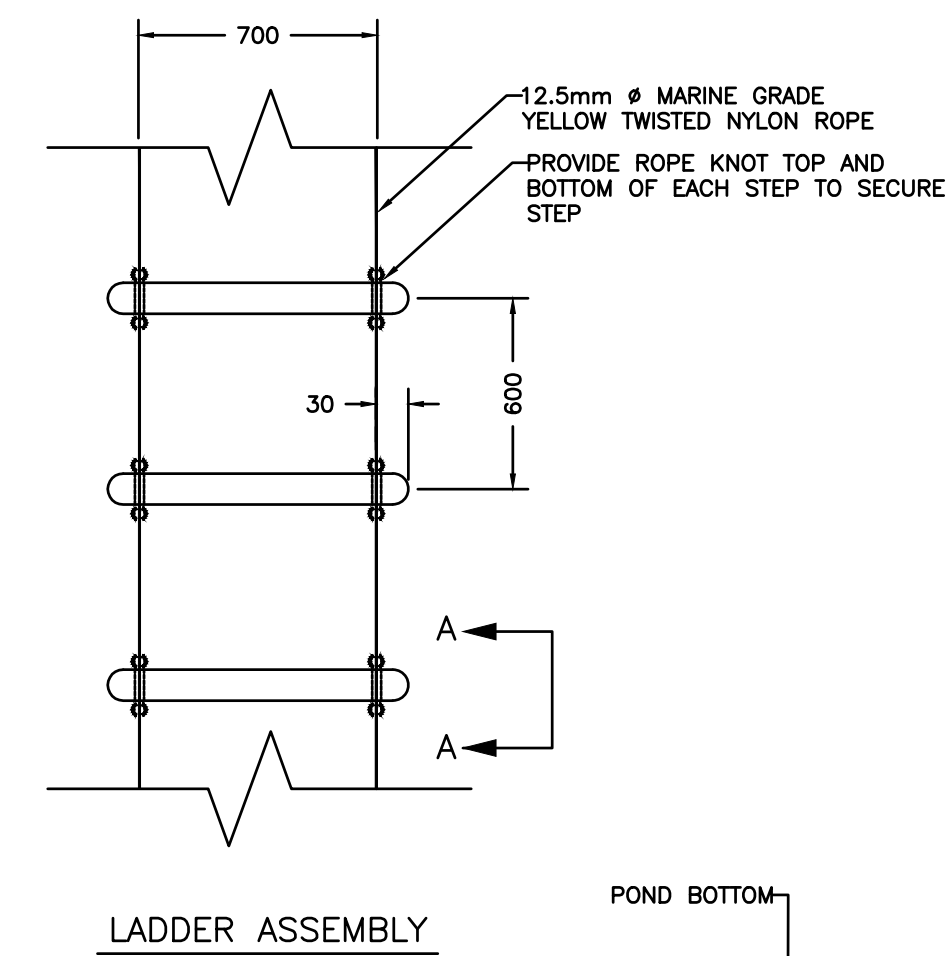
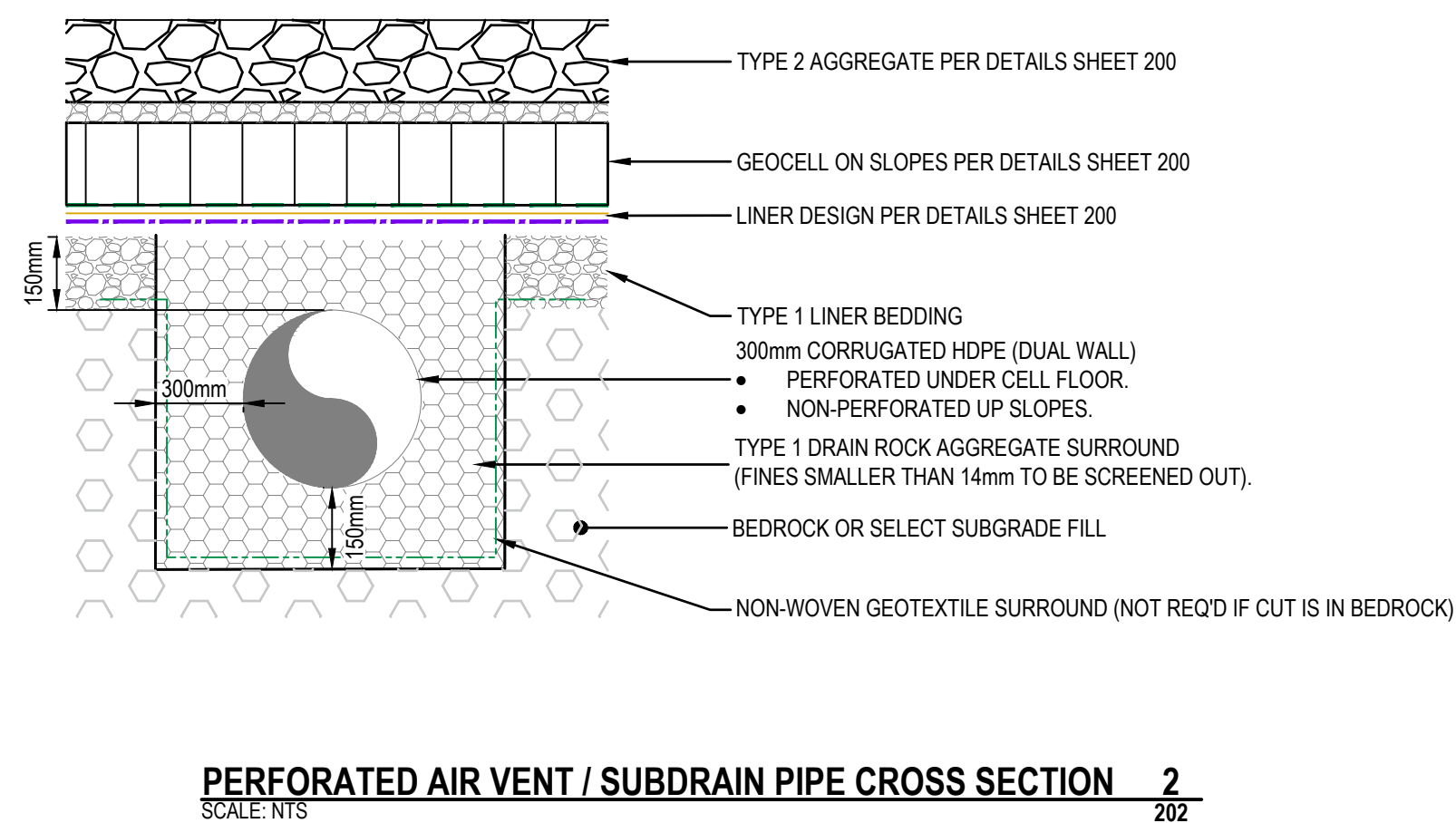
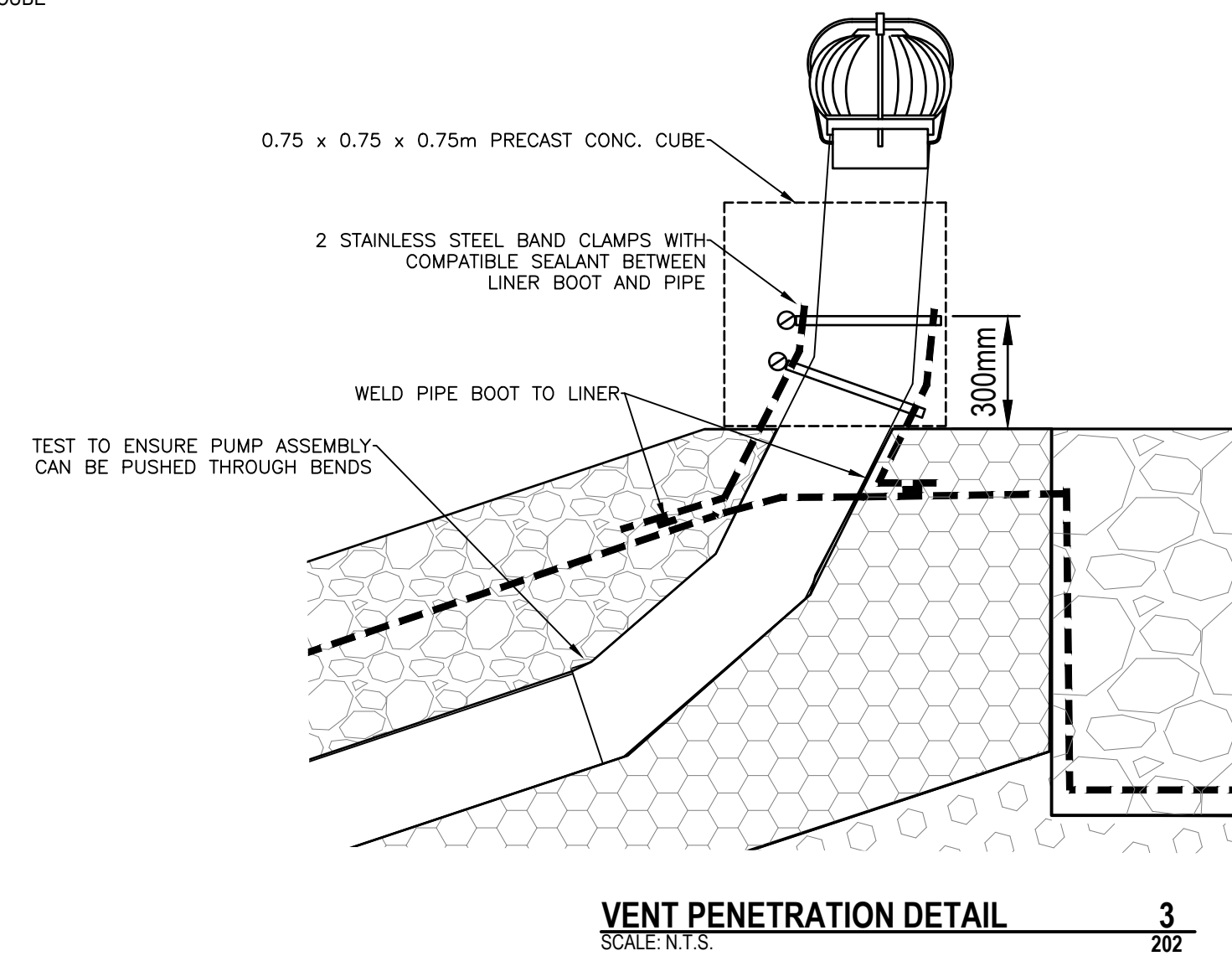
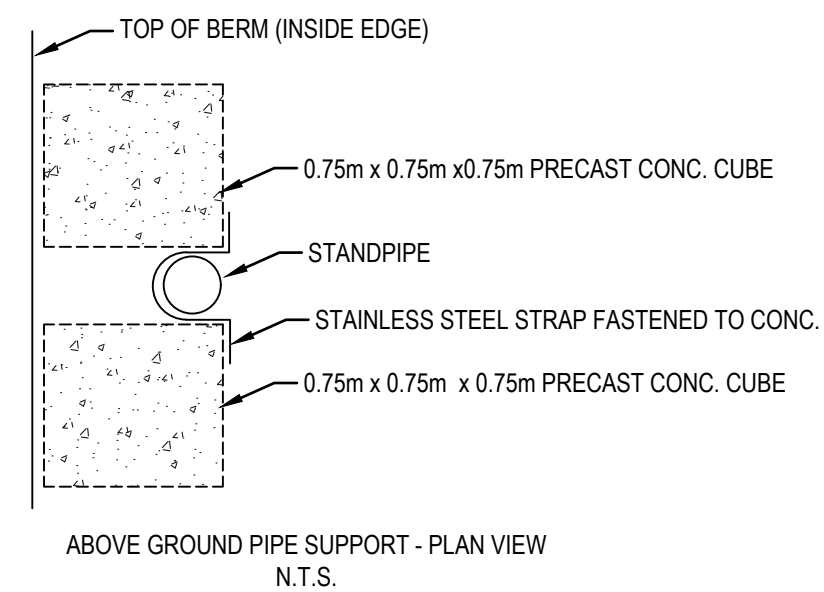
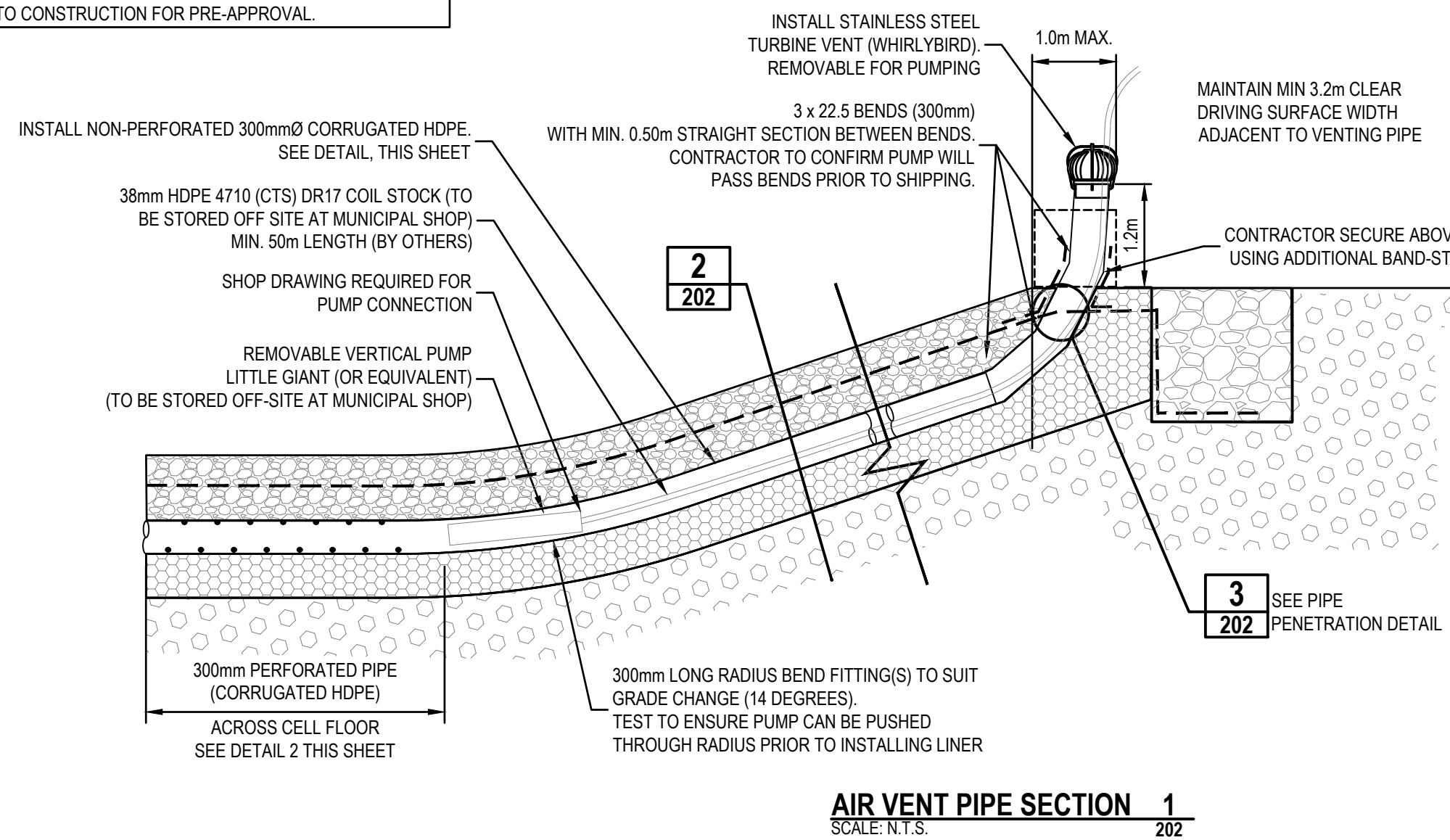
ISSUED FOR TENDER
NOT FOR CONSTRUCTION



DESIGN	KEJ	REVIEWED BY	SG
DRAWN	CH	CHECKED BY	KEJ
DATE	APR 2026		
SCALE	AS SHOWN		
1	ISSUED FOR TENDER	APR30-26	KEJ
No.	ISSUED FOR	DATE	BY

Government of Nunavut
Naujaat Wastewater Treatment Facility
PROJECT NO. 212233
SHEET NO. **C201**
French Drain & Toe Drain Details

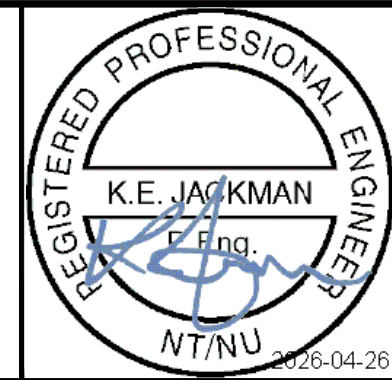
- NOTES:
- CONTRACTOR SHALL PROVIDE PRODUCT LITERATURE AND CONNECTION DETAILS TO THE ENGINEER FOR THE TURBINE VENT AND PIPE BOOT PRIOR TO CONSTRUCTION FOR PRE-APPROVAL.
 - SHOP DRAWINGS REQUIRED FOR AIR VENT ASSEMBLY.
 - REMOVABLE PUMPS (LITTLE GIANT) TO BE SUPPLIED BY CONTRACTOR. CONTRACTOR TO PROVIDE PRODUCT LITERATURE TO THE ENGINEER FOR THE PUMP PRIOR TO CONSTRUCTION FOR PRE-APPROVAL.



ST. JOHNS

FILENAME: C:\PW\WORKING DIRECTOR\PROJECTS 2021\DILLON_5546EA\00130134\212233 DETAIL SHEETS.DWG PLOTTED BY: JACKMAN, KEVIN

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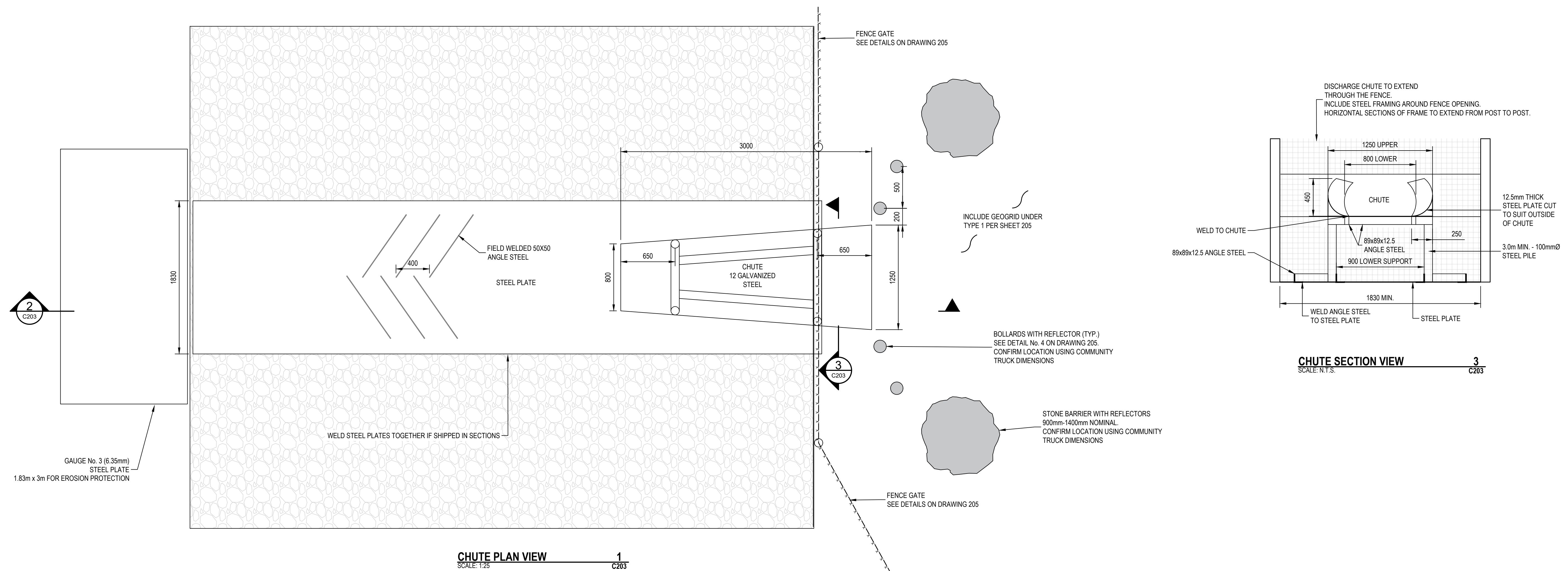
ISSUED FOR TENDER
NOT FOR CONSTRUCTION



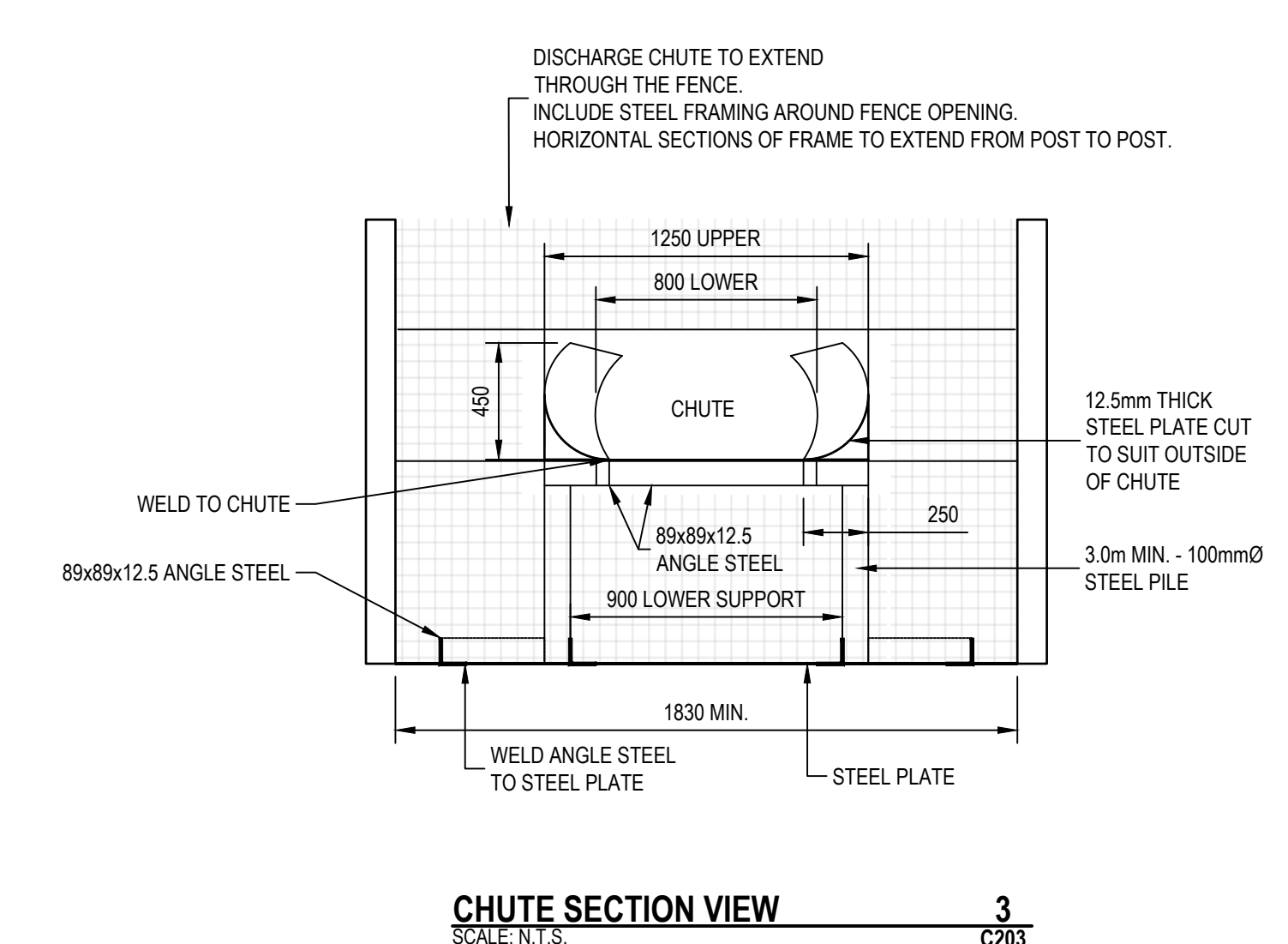
No.	ISSUED FOR	DATE	BY	SCALE
1	ISSUED FOR TENDER	APR30-26	KEJ	AS SHOWN

Government of Nunavut
Naujaat Wastewater Treatment Facility
Vent & Subdrain Pipe Details

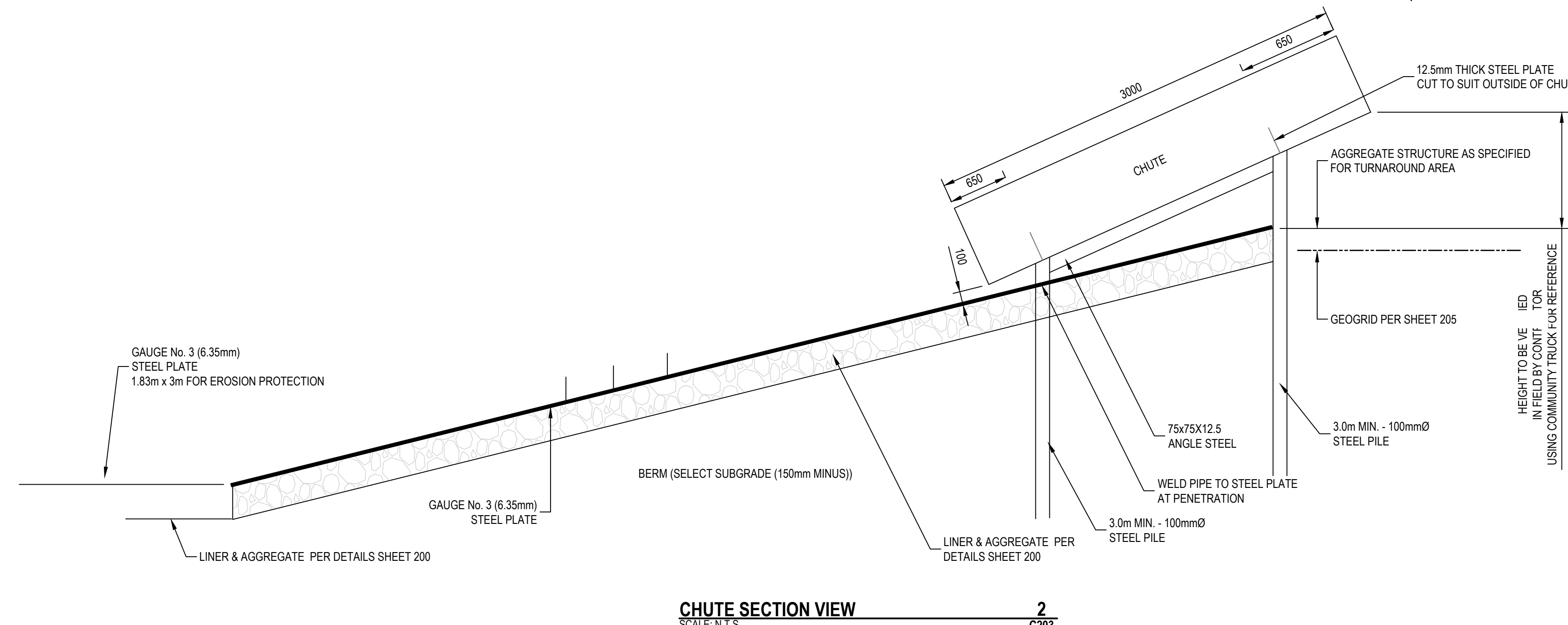
PROJECT NO.
212233
SHEET NO.
C202



CHUTE PLAN VIEW
SCALE: 1:25
1
C203

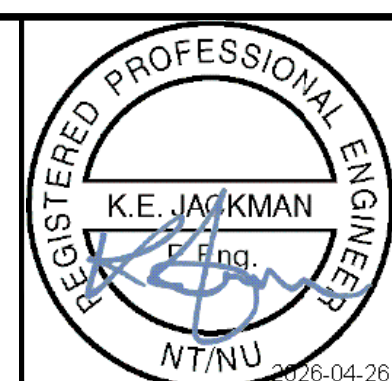


CHUTE SECTION VIEW
SCALE: N.T.S.
3
C203



CHUTE SECTION VIEW
SCALE: N.T.S.
2
C203

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Date: Apr 30, 2026
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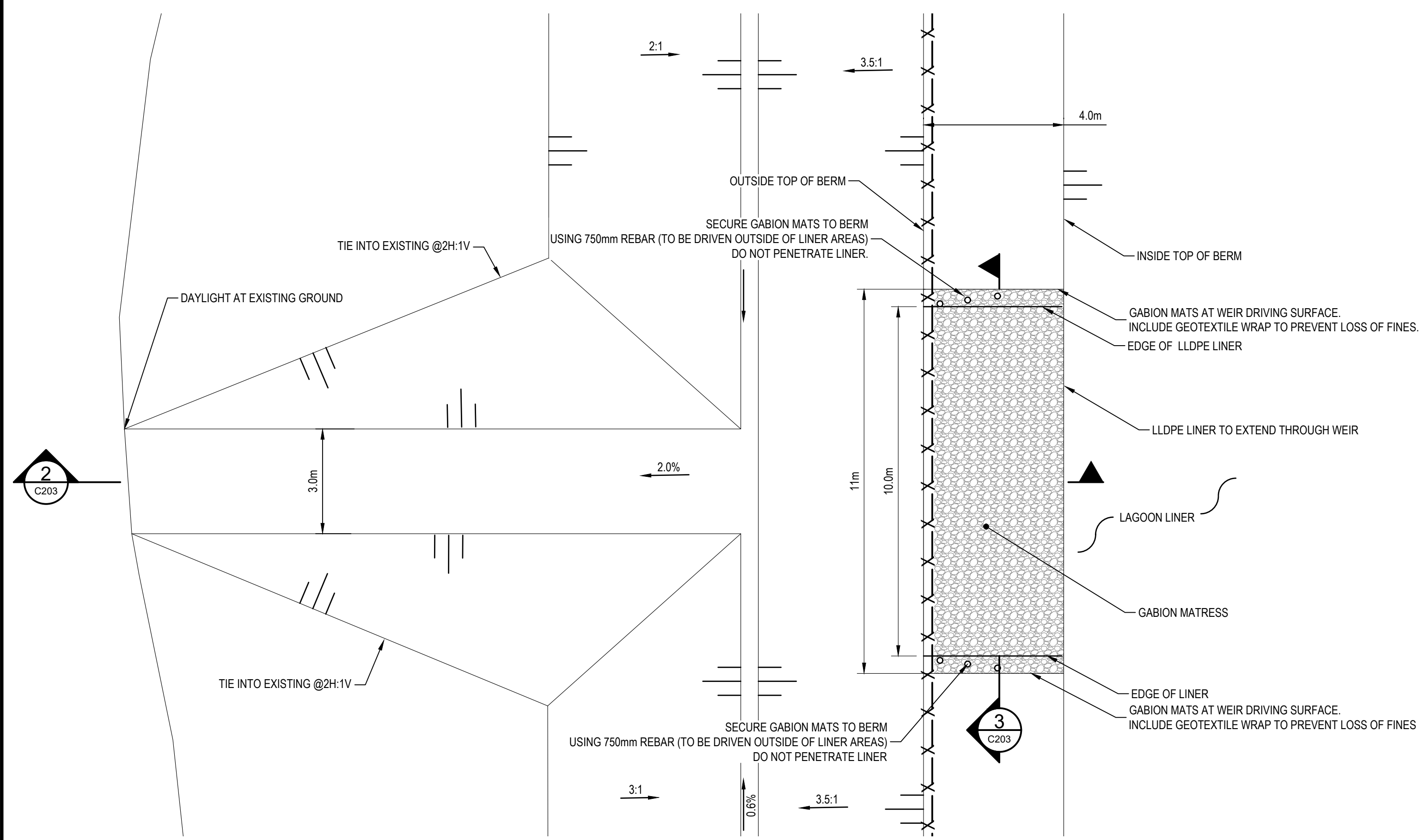
ISSUED FOR TENDER
NOT FOR CONSTRUCTION



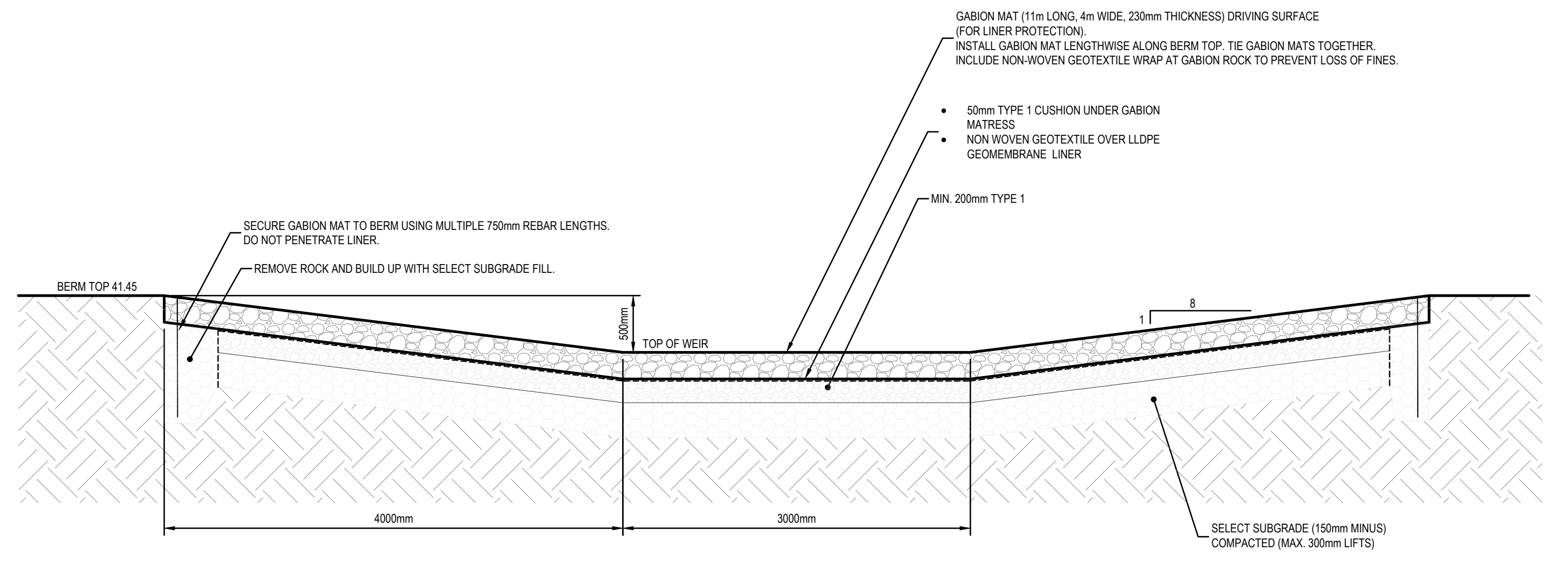
DESIGN	KEJ	REVIEWED BY	SG
DRAWN	CH	CHECKED BY	KEJ
DATE	APR 2026		
SCALE	AS SHOWN		
1	ISSUED FOR TENDER	APR 30-26	KEJ
No.	ISSUED FOR	DATE	BY

Government of Nunavut Naujaat Wastewater Treatment Facility		PROJECT NO. 212233
Chute Details		SHEET NO. C203

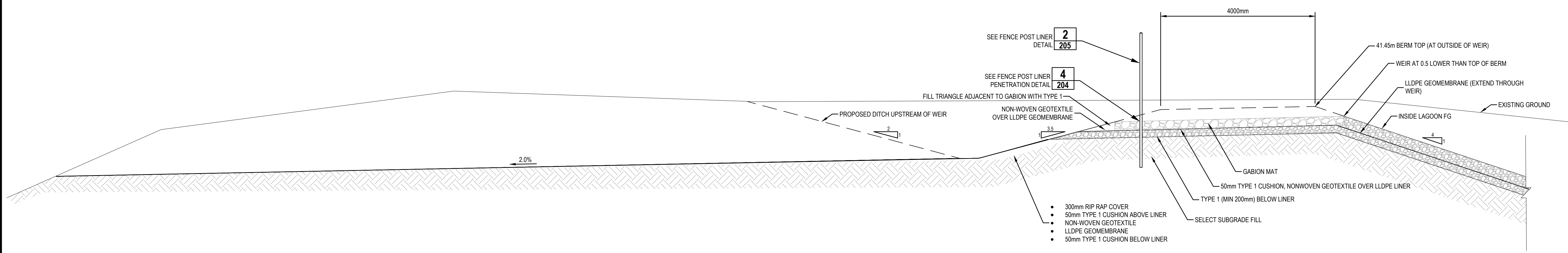
ST. JOHNS
FILENAME: C:\PW\WORKING DIRECTOR\PROJECTS 2021\DILLON_5546\01\301\48\212233 DETAIL SHEETS.DWG PLOTTED BY: JACKMAN, KEVIN



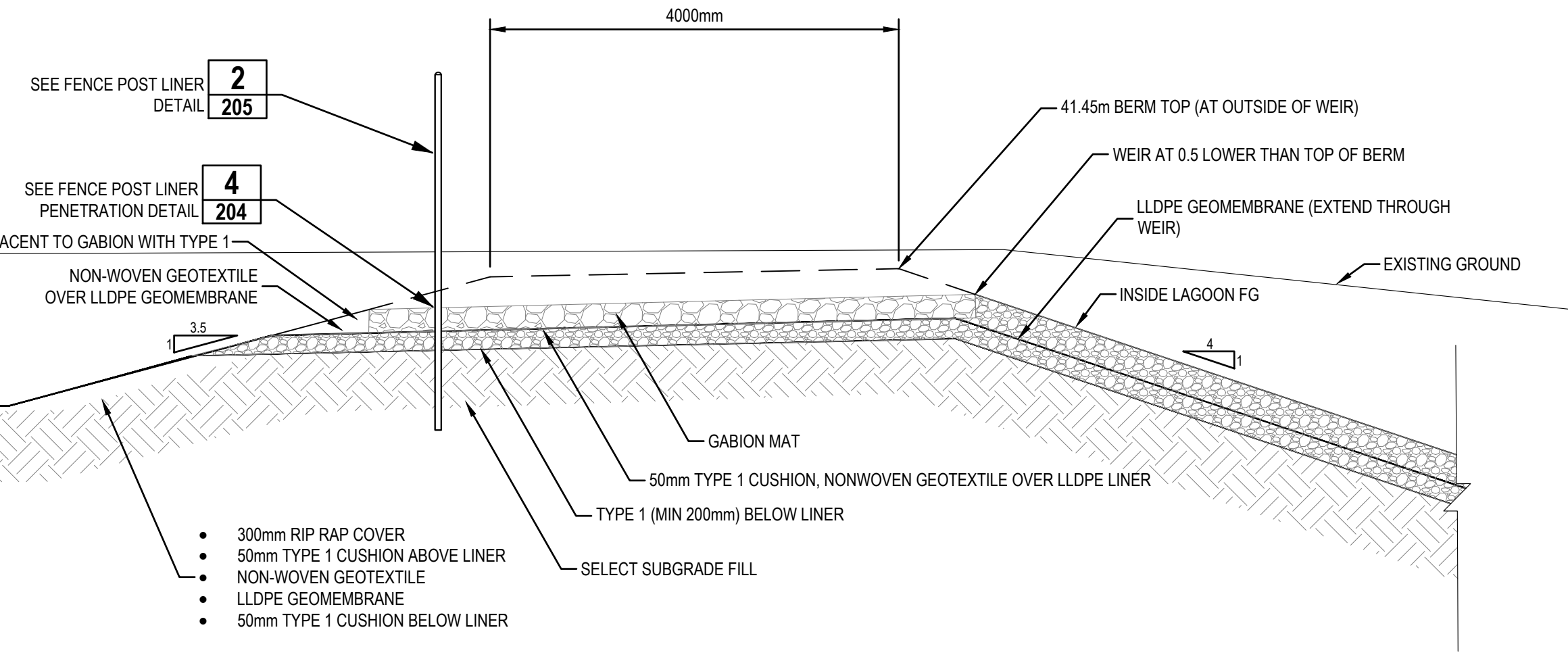
EMERGENCY OVERFLOW WEIR PLAN 1
SCALE: N.T.S. C204



EMERGENCY OVERFLOW WEIR SECTION 3
SCALE: NOT TO SCALE C204

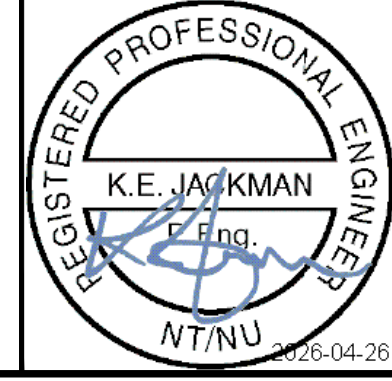


EMERGENCY OVERFLOW WEIR PROFILE 2
SCALE: 1:50 C204



FENCE POST LINER PENETRATION DETAIL 4
SCALE: NOT TO SCALE C204

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Date: Apr 30, 2026
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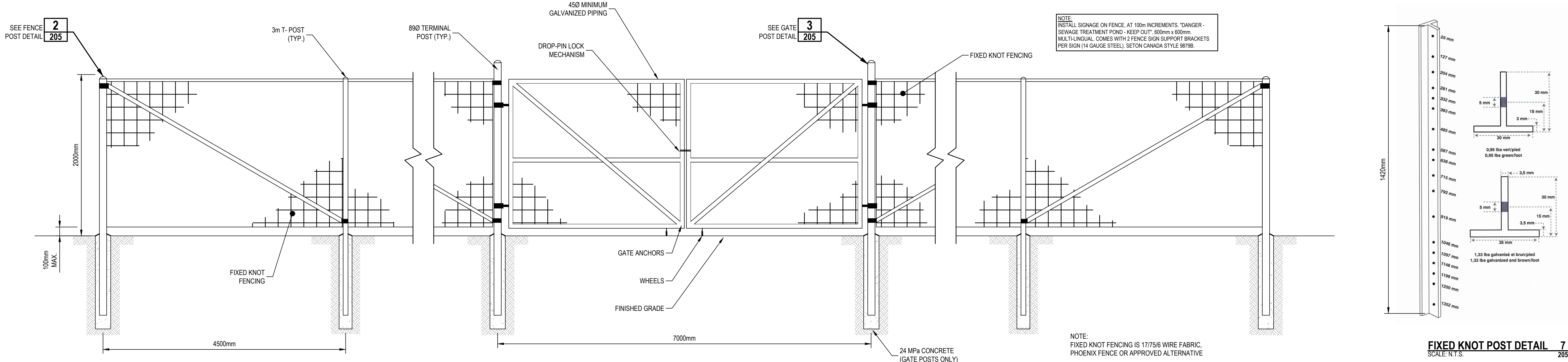
ISSUED FOR TENDER
NOT FOR CONSTRUCTION



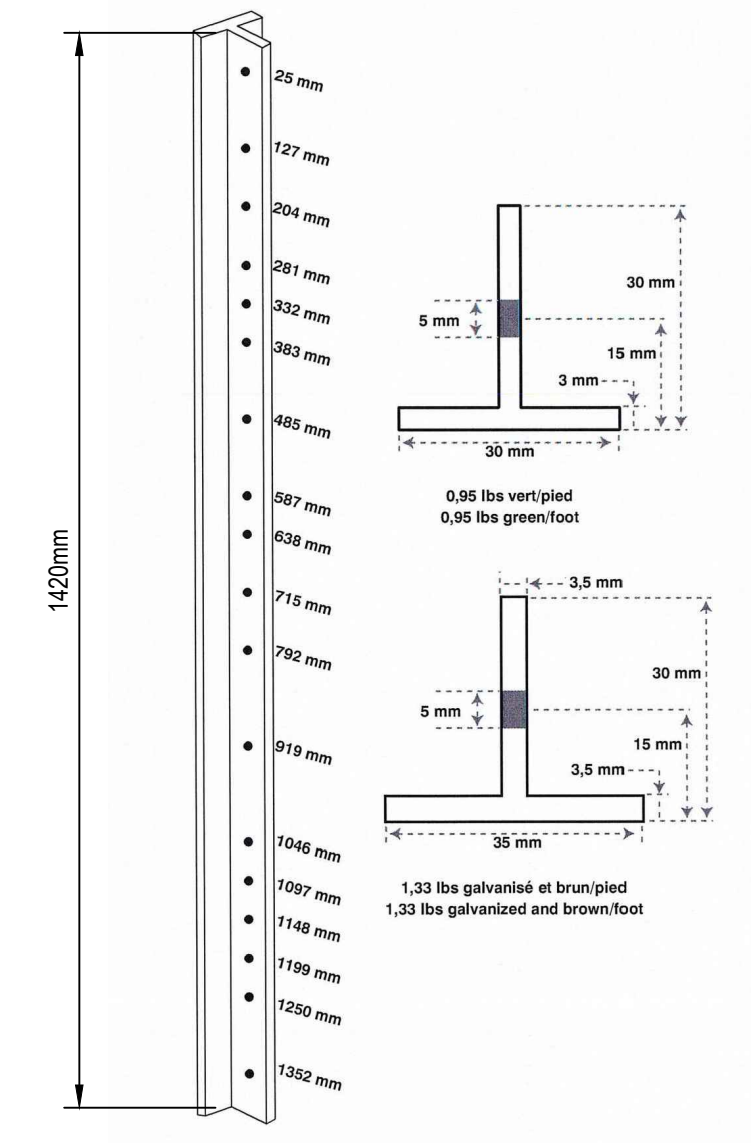
DESIGN	KEJ	REVIEWED BY	SG
DRAWN	CH	CHECKED BY	KEJ
DATE	APRIL 2026		
SCALE	AS SHOWN		
1	ISSUED FOR TENDER	APR30-26	KEJ
No.	ISSUED FOR	DATE	BY

Government of Nunavut
Naujaat Wastewater Treatment Facility
Overflow Weir Details

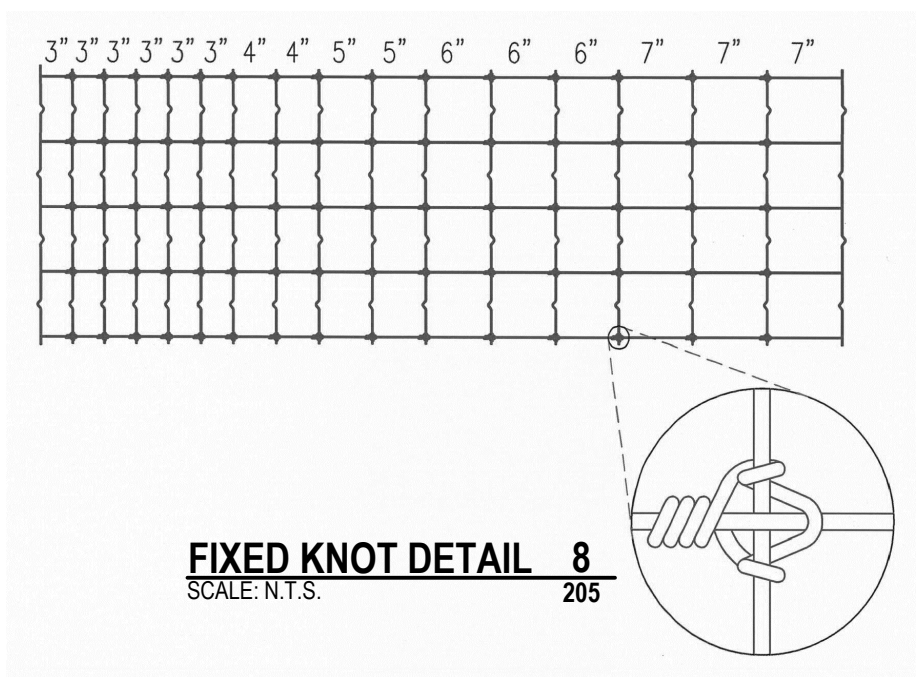
PROJECT NO.
212233
SHEET NO.
C204



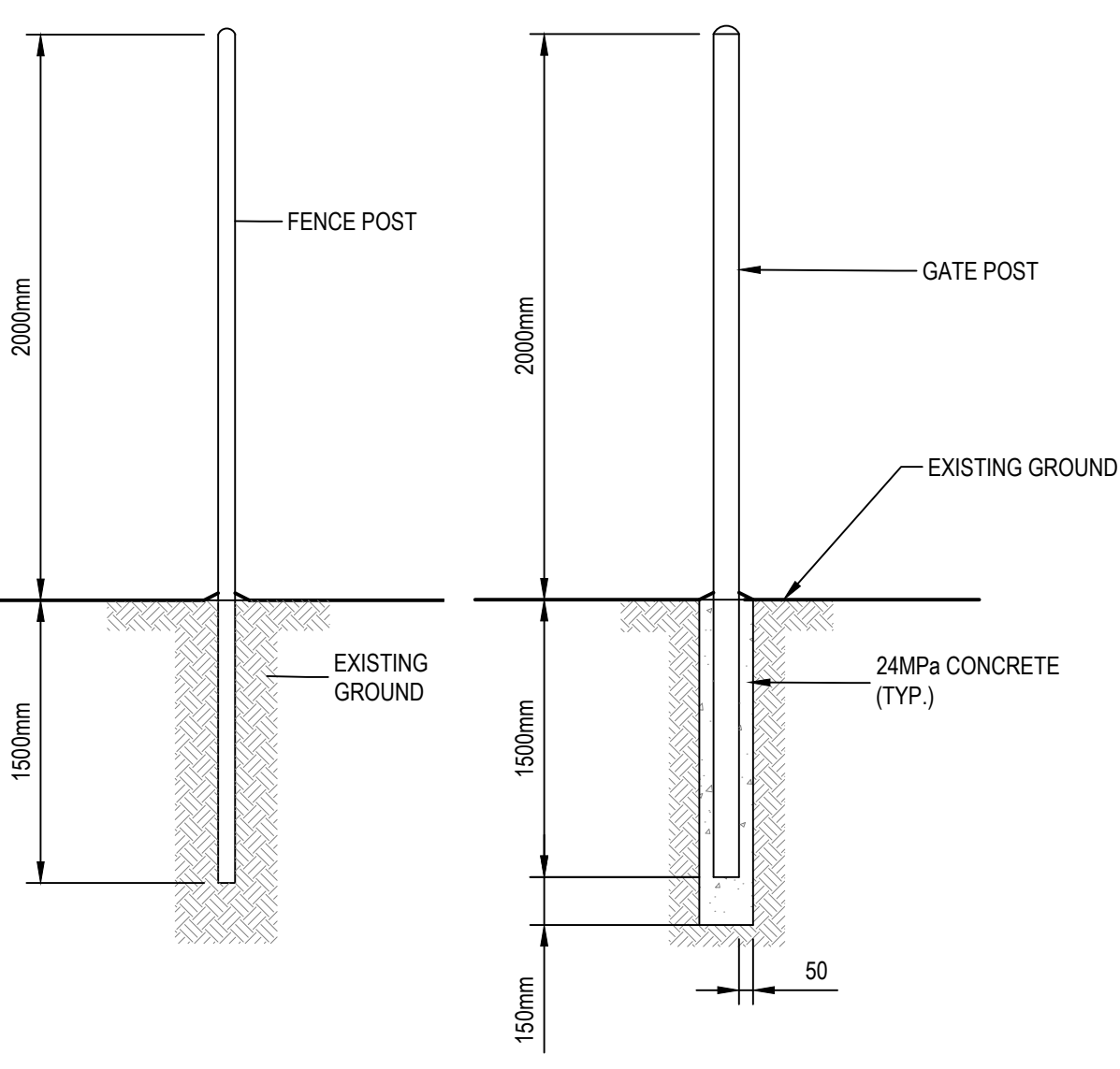
BARRIER FENCE DETAIL 1
SCALE: N.T.S.



FIXED KNOT POST DETAIL 7
SCALE: N.T.S.

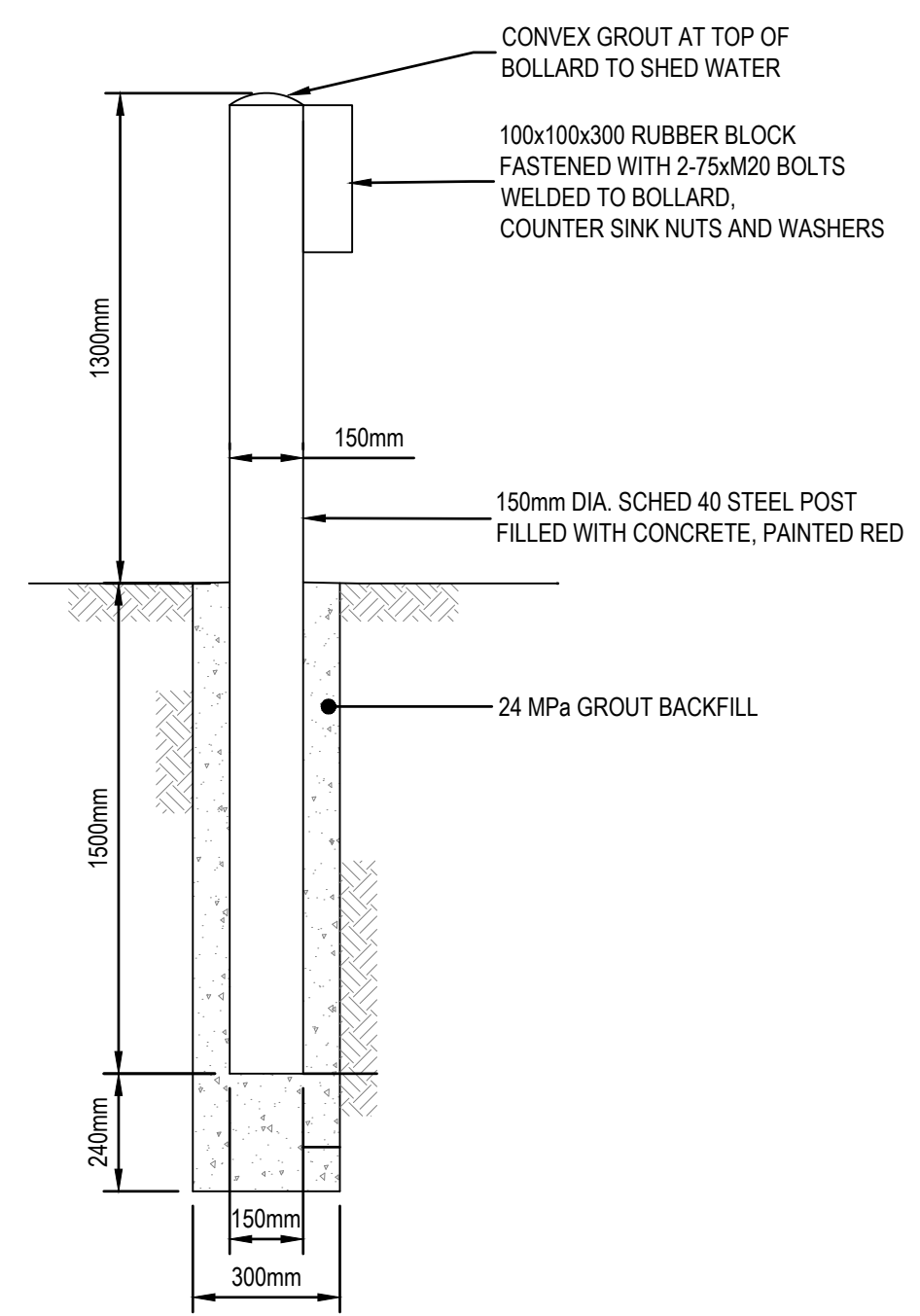


FIXED KNOT DETAIL 8
SCALE: N.T.S.

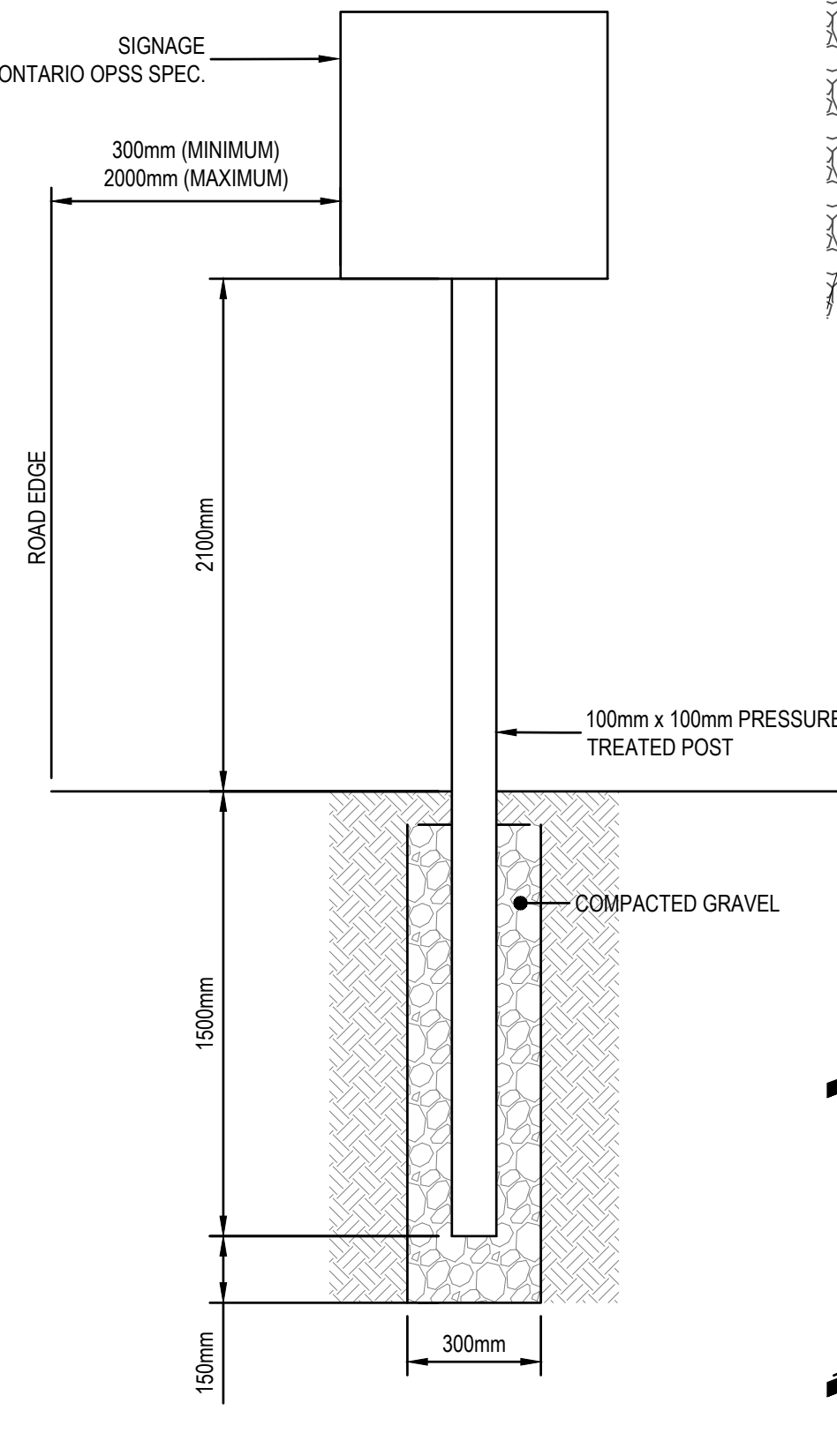


FENCE POST DETAIL 2
SCALE: N.T.S.

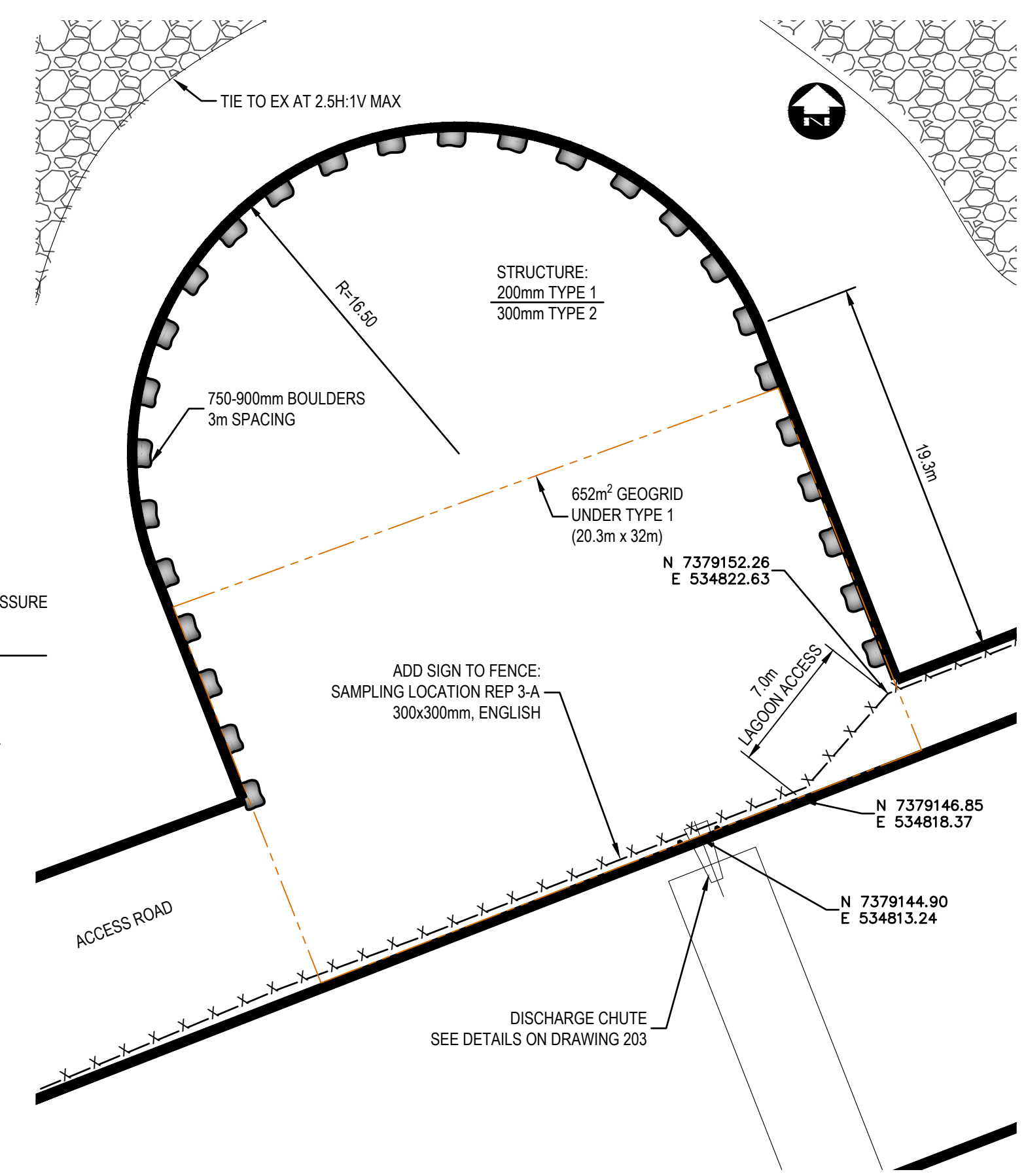
GATE POST DETAIL 3
SCALE: N.T.S.



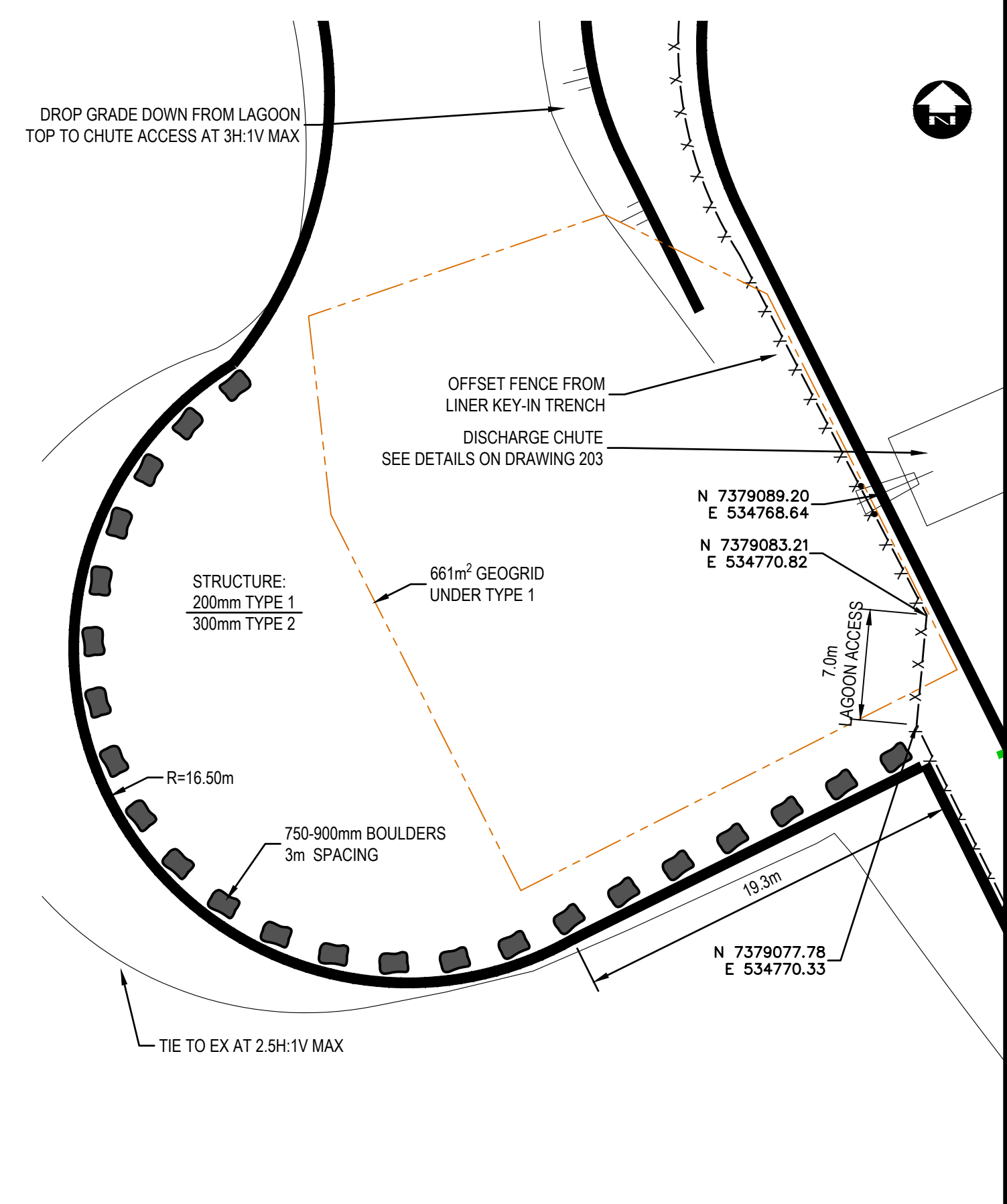
BOLLARD DETAIL 4
SCALE: N.T.S.



SIGN POST DETAIL 5
SCALE: N.T.S.



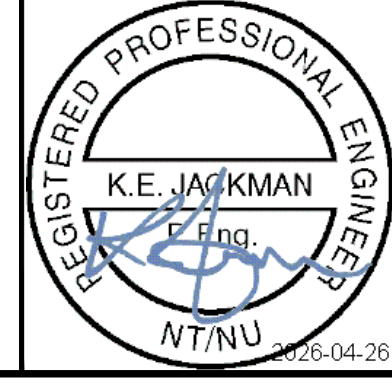
CHUTE PAD #1 6
SCALE: N.T.S.



CHUTE PAD #2 8
SCALE: N.T.S.

ST. JOHNS
FILENAME: C:\PW\WORKING DIRECTORY\PROJECTS 2021\DILLON_55K6A\00130134\212233 DETAIL SHEETS.DWG PLOTTED BY: JACKMAN, KEVIN

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DATE	APR 2026		
SCALE	AS SHOWN		
1	ISSUED FOR TENDER	APR 30 26	KEJ
No.	ISSUED FOR	DATE	BY

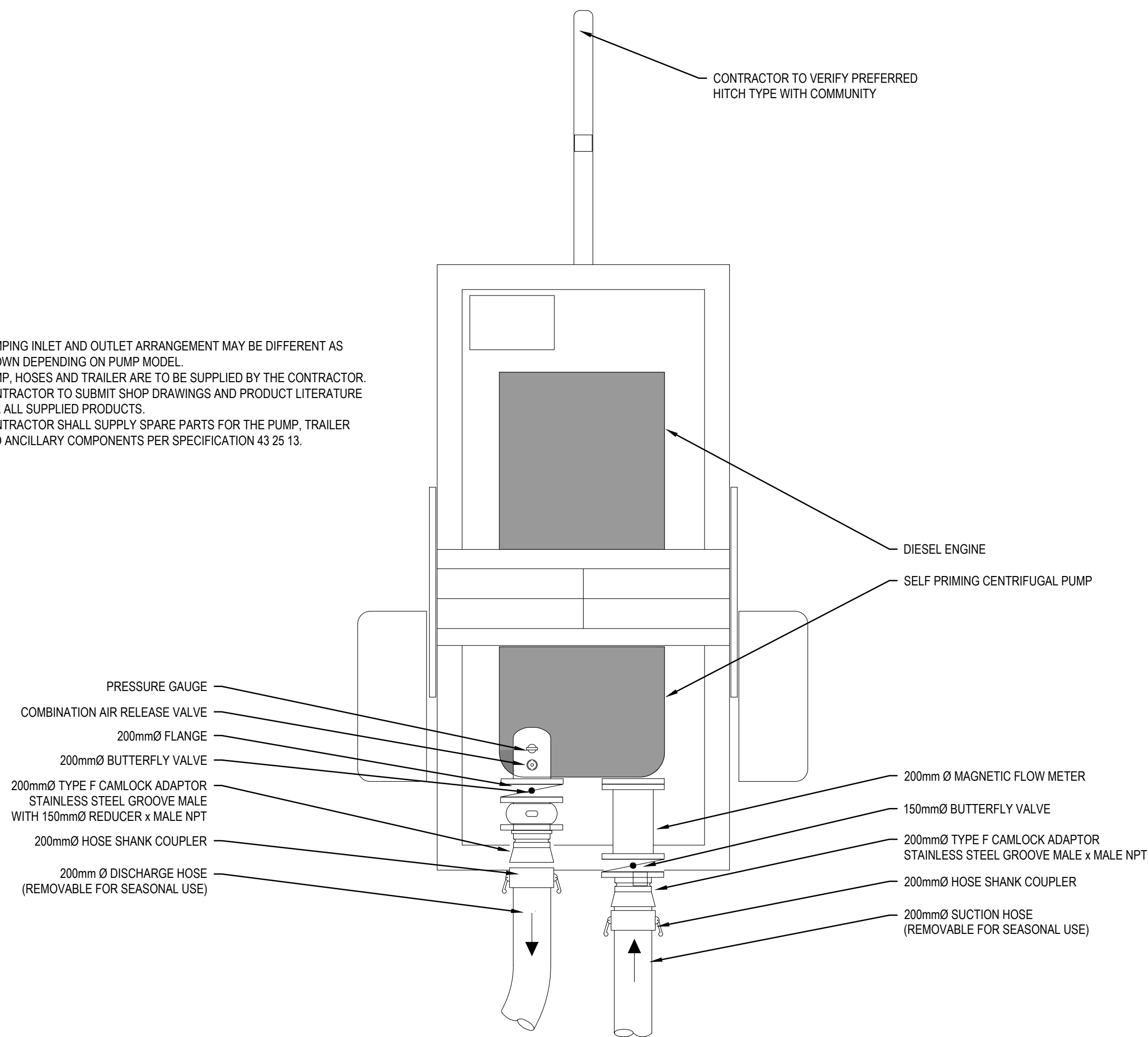
Government of Nunavut
Naujaat Wastewater Treatment Facility
Fencing & Bollard Details

PROJECT NO.
212233
SHEET NO.
C205

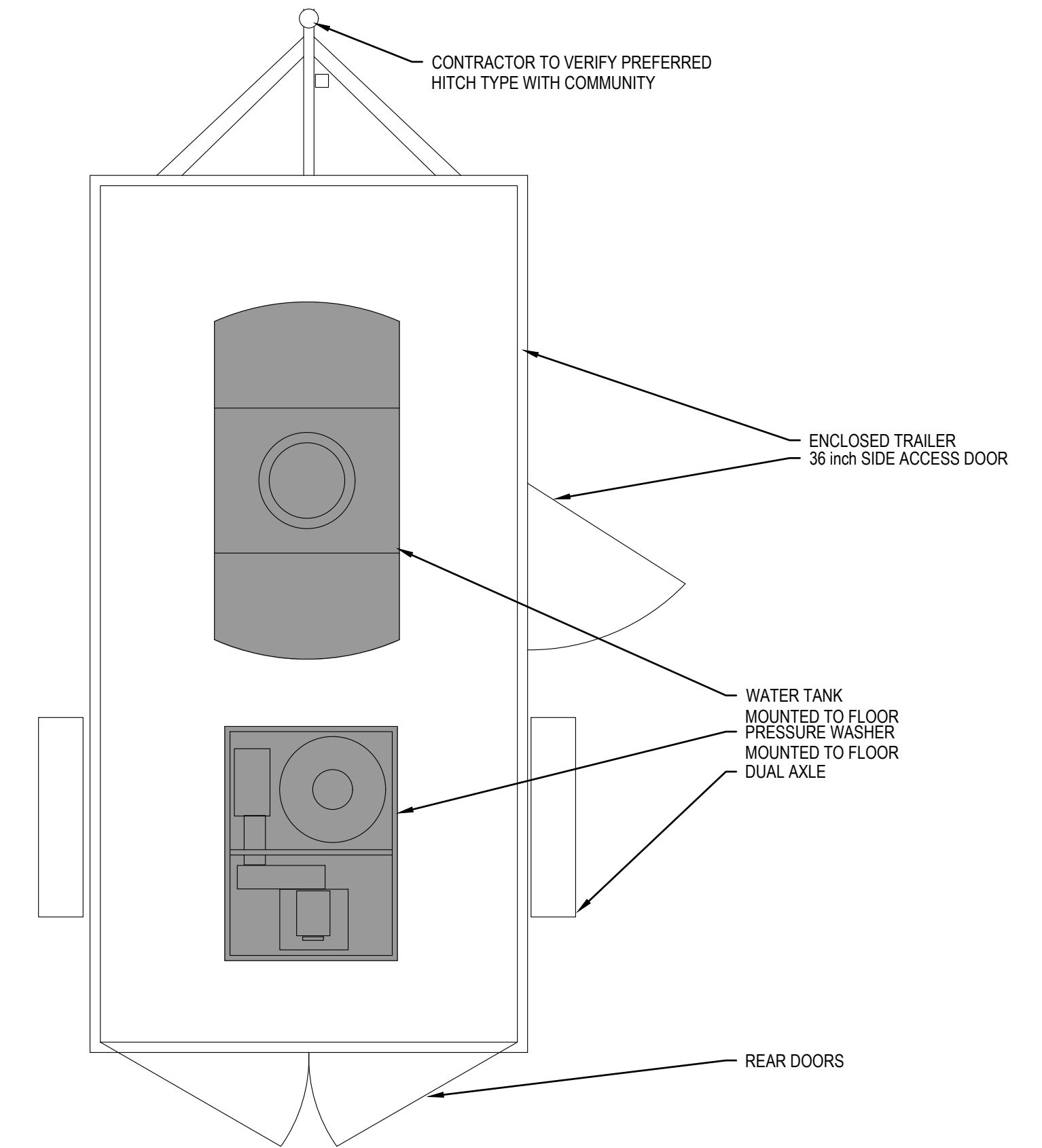
ST. JOHNS

FILENAME: C:\PW WORKING DIRECTORY\PROJECTS 2021\DILLON_5564\01\212233 DETAIL SHEETS.DWG PLOTTED BY: JACKMAN, KEVIN
 PLOT DATE: 2026-04-25 4:08:10 PM PLOT SCALE: 1:25.4 PLOT STYLE: DILLON-STANDARD.CTB

- NOTES:
1. PUMPING INLET AND OUTLET ARRANGEMENT MAY BE DIFFERENT AS SHOWN DEPENDING ON PUMP MODEL.
 2. PUMP, HOSES AND TRAILER ARE TO BE SUPPLIED BY THE CONTRACTOR.
 3. CONTRACTOR TO SUBMIT SHOP DRAWINGS AND PRODUCT LITERATURE FOR ALL SUPPLIED PRODUCTS.
 4. CONTRACTOR SHALL SUPPLY SPARE PARTS FOR THE PUMP, TRAILER AND ANCILLARY COMPONENTS PER SPECIFICATION 43 25 13.



LAGOON DEWATERING PUMP 1
 SCALE: 1:15 206



PRESSURE WASHER & TRAILER 2
 SCALE: 1:25 206

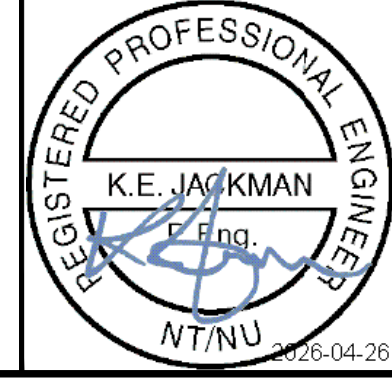
TRAILER: 2.13m x 4.26m (7FTx14FT) ENCLOSED, TANDEM AXLE, BLACK COLOUR (ACRYLIC POLYURETHANE), 3/4" TREATED PLYWOOD FLOORING, WALK-ON ROOF. INCLUDES: SPARE TIRE AND SPARE RIM (INTERIOR MOUNT), 14" ROOF VENT, SIDE DOOR, REAR DOORS, LOCKS.

STANDARD FOR ACCEPTANCE: TRADESMAN 7 WIDE TANDEM AXLE BY MISKA TRAILER FACTORY (HAMILTON, ON).

PIPE THAW / PRESSURE WASHER UNIT: HOTSY 1280SS (5.1 GPM, 3500 PSI, 688cc GAS ENGINE, SKID RAILS, 12V DC BURNER). ACCESSORIES: CULVERT/SEWER NOZZLE (3), SEWER HOSE (50m), LEGACY NOZZLE KIT (5 PACK), 60m (200FT) HOSE (MIN 6000 PSI), FIXED BASE HOSE REEL (MOUNTED), SPARE FUEL FILTER, OIL FILTER, 6-24" FIBERGLASS TELESCOPING WAND.

TANK: HORIZONTAL LEG, MIN. 1361 LITRES (300 IMP GALLONS), HDPE, COMPLETE WITH BOTTOM DRAIN AND INCLUDES GALVANIZED OR STAINLESS STEEL TIE DOWNS/FASTENERS TO TRAILER FLOOR. STANDARD OF ACCEPTANCE NORWESCO.

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DESIGN	KEJ	REVIEWED BY	SG
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DATE	APR 2026		
SCALE	AS SHOWN		
1	ISSUED FOR TENDER	APR30-26	KEJ
No.	ISSUED FOR	DATE	BY

Government of Nunavut
 Naujaat Wastewater Treatment Facility

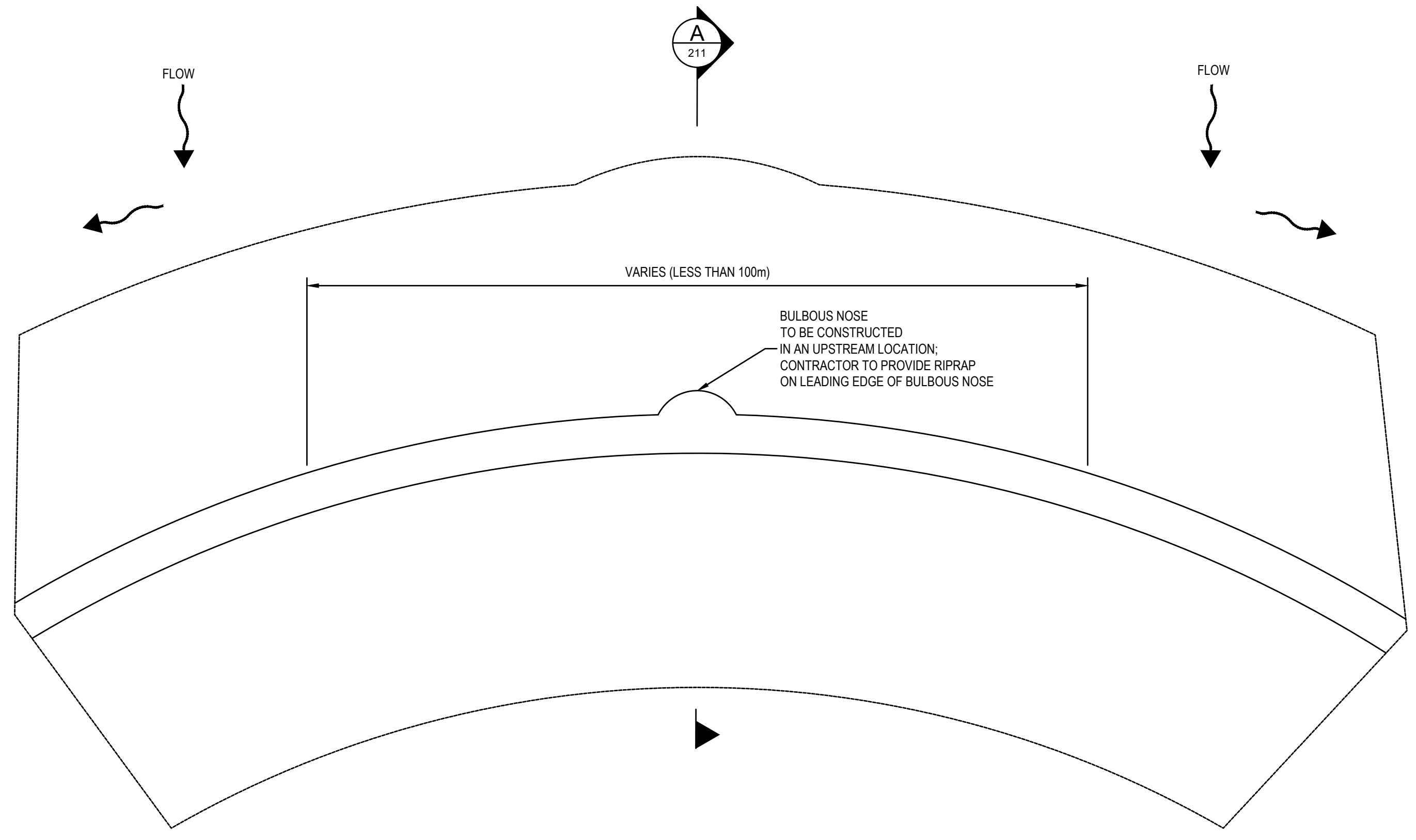
Decant Pump, Pressure Washer & Trailer Details

PROJECT NO.
212233

SHEET NO.
C206

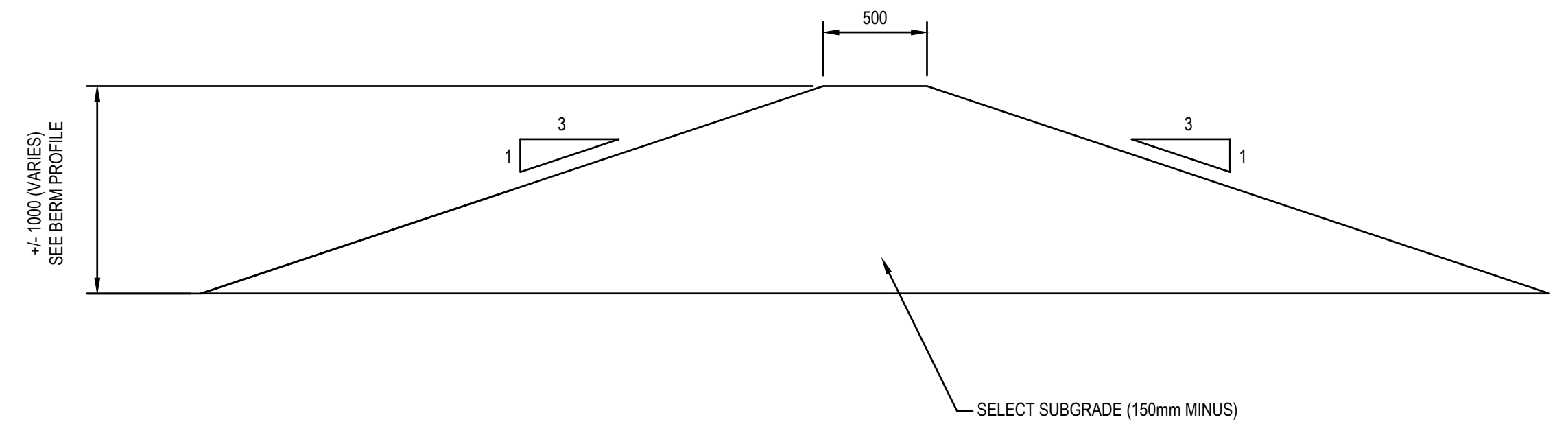
ST. JOHNS

FILENAME: C:\PW\WORKING DIRECTORIES\PROJECTS 2021\DILLON_5546EA\00130134\212233 DETAIL SHEETS.DWG PLOTTED BY: JACKMAN, KEVIN

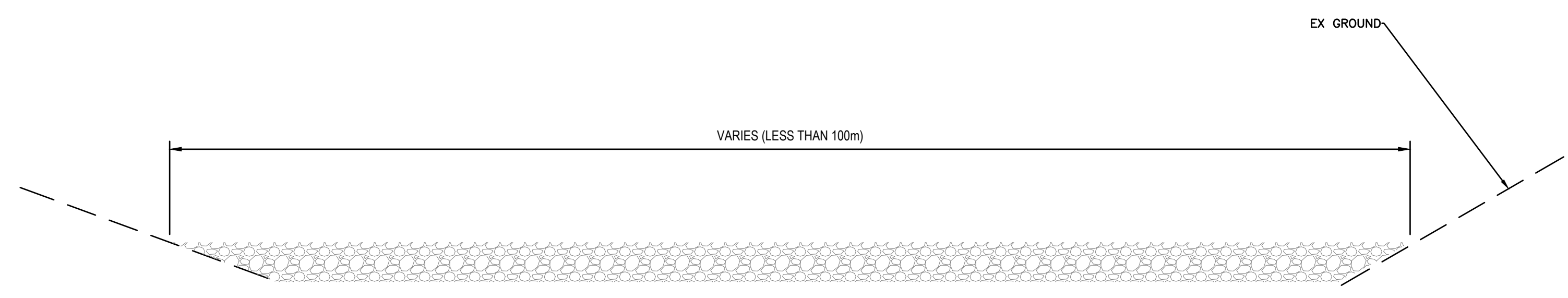


ATTENUATION BERM PLAN 1 / 207
SCALE: 1:50

NOTE:
ATTENUATION BERMS ARE DESIGNED TO BE PERMEABLE. DO NOT COMPACT DURING CONSTRUCTION

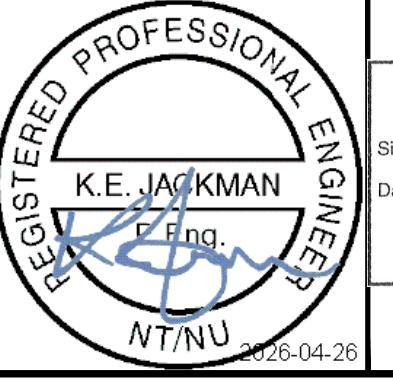


ATTENUATION BERM SECTION A 3 / 207
SCALE: 1:50



ATTENUATION BERM FRONT VIEW 2 / 207
SCALE: 1:50

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1	ISSUED FOR TENDER	APR30-26	KEJ
No.	ISSUED FOR	DATE	BY

DESIGN	KEJ	REVIEWED BY	SG
DRAWN	CH	CHECKED BY	KEJ
DATE	APR 2026		
SCALE	AS SHOWN		

Government of Nunavut
Naujaat Wastewater Treatment Facility
Wetland Attenuation Berm Details

PROJECT NO. 212233
SHEET NO. **C207**