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State of Vermont
Contract Administration
Barre City Place
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Barre VT 05641
<http://vtrans.vermont.gov>

*Agency of Transportation
Finance & Administration*
[phone] 802-622-1285
[ttd] 800-253-0191

May 12, 2026

Co3268 – Rockingham IM 091-1(81)

ADDENDUM #2

Bidders:

Changes have been made to the documents located on the Bid Opportunity website as noted below:

REVISED: Plans Sheets 1, 2, 4, 5, 6, 8, 10, 11, 13, 21, 24, 25, 26, and 27, Special Provisions Page 1, and the schedule of pay items.

ADDED: Project Special Provisions Page 10.

DELETED: None.

VTrans Mission and Vision

Through excellent customer service, provide for the safe and efficient movement of people and goods.
A safe, reliable, and multimodal transportation system that grows the economy, is affordable to use and operate, and serves vulnerable populations.



SPECIAL PROVISIONS

1. NOTICE TO BIDDERS – CONTRACT COMPLETION DATE. This Contract shall be completed on or before October 23, 2026.
2. NOTICE TO BIDDERS – PROHIBITION OF RUSSIAN GOODS. The Contractor is hereby notified that, pursuant to Vermont Executive Order No. 02-22, dated March 3rd, 2022, the purchase of Russian-sourced goods and goods produced by Russian entities (defined as institutions or companies that are headquartered in Russia or have their principal place of business in Russia) is prohibited. The awarded Contractor must fill out and sign the Executive Order 02-22 Vendor Certification as part of Contract awarding process.
3. NOTICE TO BIDDERS – ELECTRONIC DOCUMENT MANAGEMENT. The Contractor is hereby notified that the Contractor, their subcontractors, and suppliers shall create both a Doc Express and an iCXWeb account. The Contractor shall use these applications for collection and management of electronic documents. Doc Express can be accessed at the following link: <https://docexpress.com>. iCXWeb can be accessed at the following link: vtrans.exevision.com/icx/Index.aspx.

All costs associated with the use of Doc Express and iCXWeb will be considered incidental to Item 635.1100, Mobilization/Demobilization. The State will manage the applications including Contract setup upon Contract execution.

To create an account and for more information regarding the use of Doc Express see the information at the following link:

<https://outside.vermont.gov/agency/vtrans/external/docs/construction/Contracting/DocExpressOverviewforContractors.docx>.

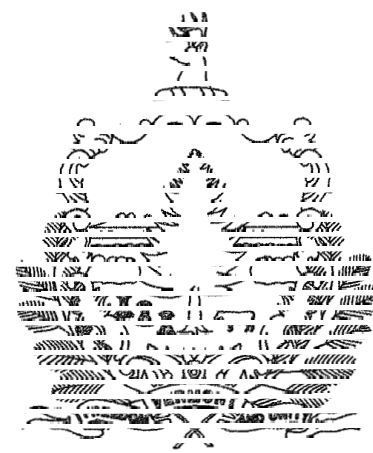
To create an account and for more information regarding the use of iCXWeb see the information at the following link: <https://vtrans.vermont.gov/icx>.

4. NOTICE TO BIDDERS – CONTACT WITH THE AGENCY. From the time of advertising until the actual bid opening for this Contract, all prospective Contractors, subcontractors, and suppliers shall direct all inquiries related to this Contract solely to the Agency's Contract Administration Section at AOT.ConstructionContractingInquiry@vermont.gov.

The deadline for submitting inquiries related to this Contract is 4:30 p.m. Eastern Time on ~~April 29, 2026~~ May 13, 2026. Inquiries received prior to this time will receive a response from the Agency. Inquiries received after this time may receive a response at the Agency's discretion.

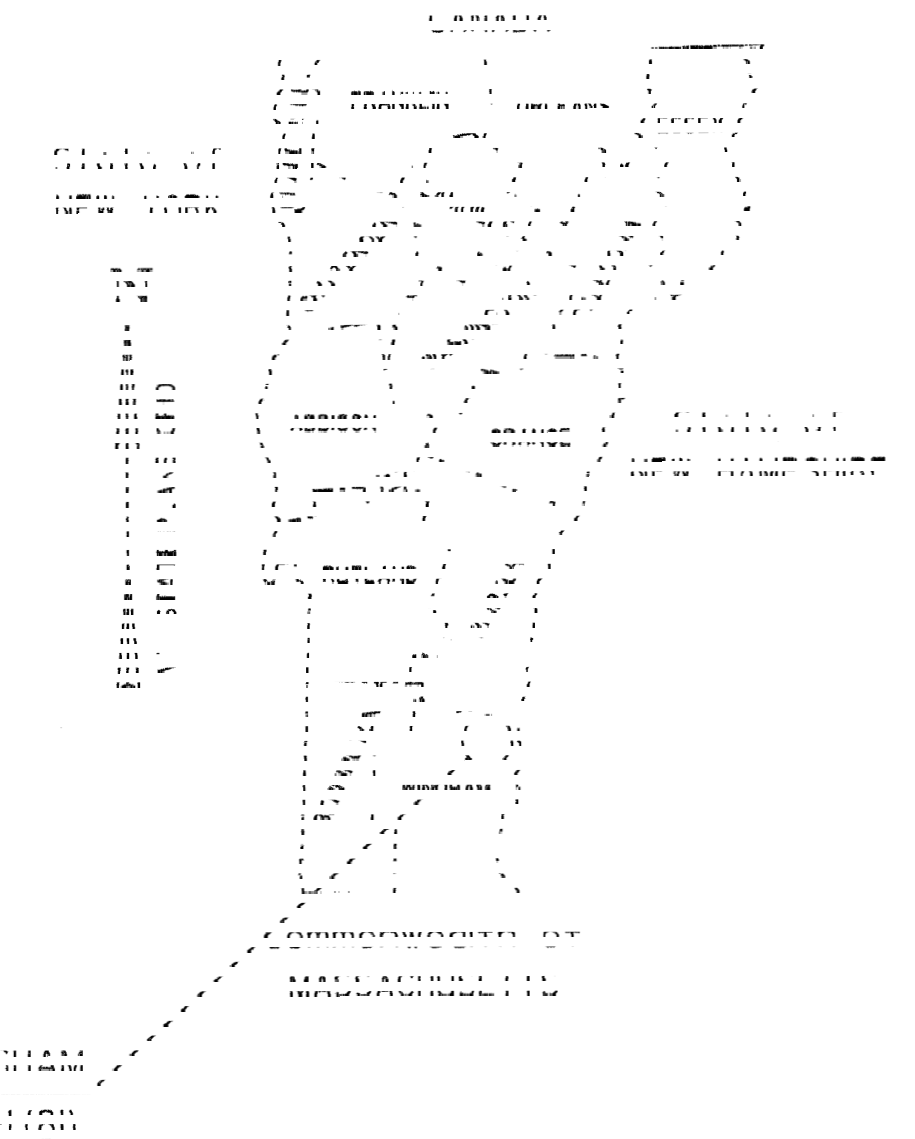
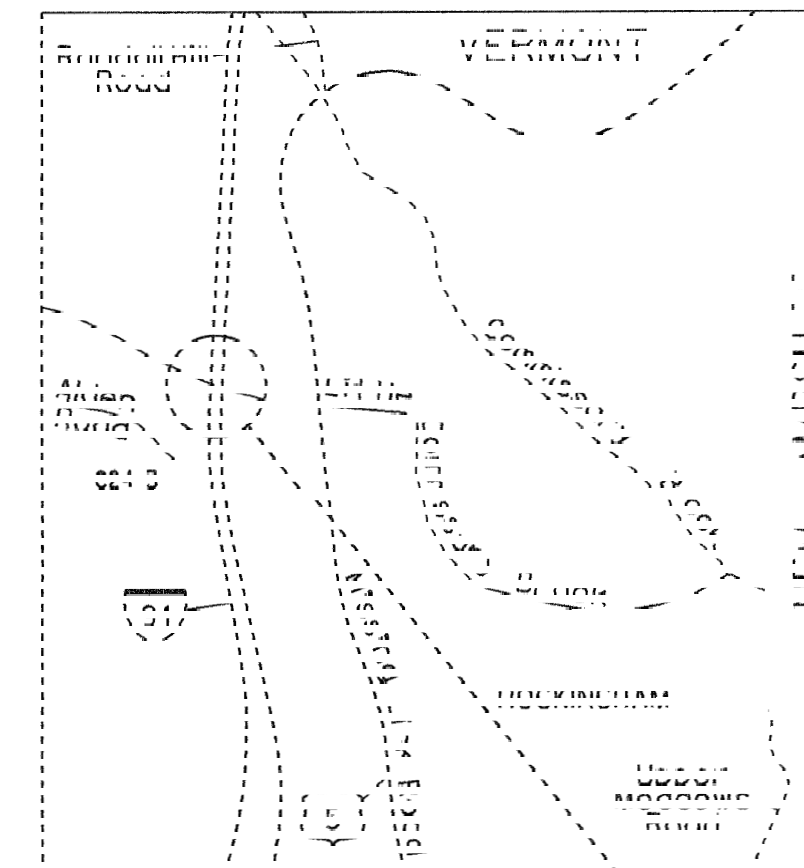
- 34. NOTICE TO BIDDERS – SUBSECTION 103.04(e). Subsection 103.04(e) is hereby modified by deleting the sentence “Limits of coverage shall not be less than \$2,000,000 per occurrence or claim and \$2,000,000 in the aggregate.” from the second paragraph and replacing it with the sentence “Limits of coverage shall not be less than \$1,000,000 per occurrence or claim and \$1,000,000 in the aggregate.”.**

STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT BRIDGE PROJECT

TOWN OF ROCKINGHAM
COUNTY OF WINDHAM



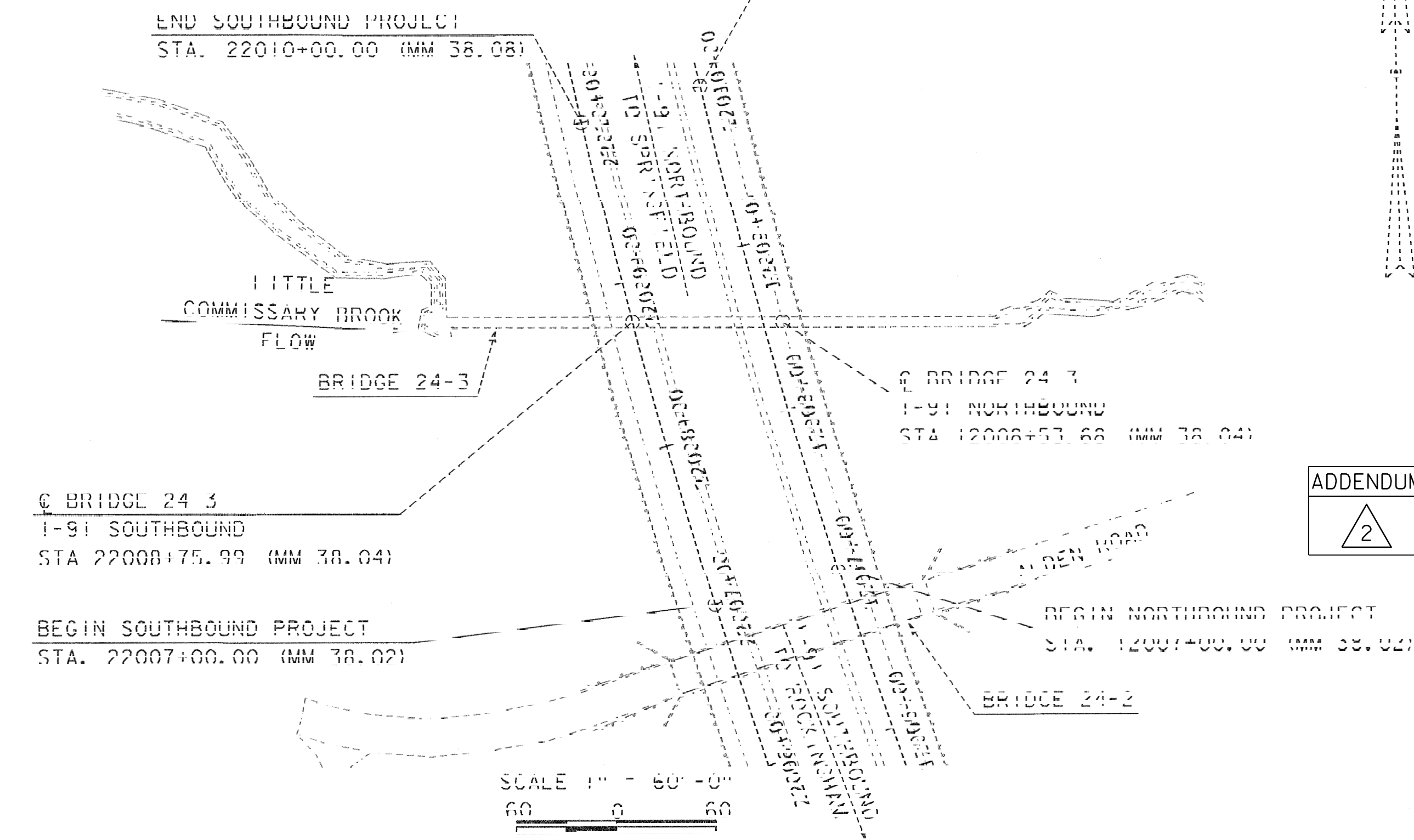
ROUTE NO: INTERSTATE 91 (PRINCIPAL ARTERIAL)

BRIDGE NO: 24-3

PROJECT LOCATION: LOCATED IN THE COUNTY OF WINDHAM, TOWN OF ROCKINGHAM, ON INTERSTATE 91 THE CULVERT IS LOCATED APPROXIMATELY 2.8 MILES NORTH OF EXIT 6. THE CULVERT CARRIES THE LITTLE COMMISSARY BROOK BENEATH INTERSTATE 91.

PROJECT DESCRIPTION: CULVERT LINING OF THE EXISTING 72" X 60" CULVERT WITH HEADWALL CONSTRUCTION AND ASSOCIATED CHANNEL WORK.

LENGTH OF PROJECT: 300'-0"



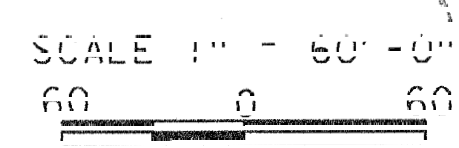
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2024, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION IN JUNE, 2023 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

QUALITY ASSURANCE PROGRAM : LEVEL I	
SURVEYED BY :	VTRANS
SURVEYED DATE :	OCTOBER 2023
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (2011)

ADDENDUM	REVISION	DATE	DESCRIPTION	BY
2	1	05-11-2026	REVISED CULVERT SIZE	ERB



HIGHWAY DIVISION, STATE ENGINEER
 APPROVED: Cam Sisson, P.E. DATE: Mar. 10, 2026
 PROJECT: MARSHFIELD ADAM COUNTRY CLUB
 PROJECT NAME: ROCKINGHAM
 PROJECT NUMBER: 18-001-1-001
 SHEET 1 OF 20 SHEETS



PRELIMINARY INFORMATION SHEET (CULVERT)

INDEX OF SHEETS

PLAN SHEETS

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24	REINFORCING STEEL SCHEDULE
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STANDARDS LIST

E-10	ROLLED EROSION CONTROL PRODUCT, TYPE I	04-07-2020
E-12	STABILIZED CONSTRUCTION ENTRANCE	04-07-2020
E-15	SILT FENCE	04-07-2020
F-2	CHAIN LINK FENCE, TYPE I DETAILS	06-01-1994
G-1	STEEL BEAM GUARDRAIL WITH STEEL POSTS STEEL BEAM GUARDRAIL WITH WOOD POSTS	06-24-2025
G-1D	STEEL BEAM GUARDRAIL END TERMINALS ANCHOR FOR STEEL BEAM GUARDRAIL STEEL BEAM MEDIAN BARRIER	06-24-2025
S-500	CONCRETE DETAILS AND NOTES	02-15-2023
T-1	TRAFFIC CONTROL GENERAL NOTES	06-24-2025
T-10	CONVENTIONAL ROADS CONSTRUCTION APPROACH SIGNING	06-24-2025
T-11	CONSTRUCTION APPROACH SIGNING DIVIDED HIGHWAY ONE LANE CLOSED	06-24-2025
T-12	TRAFFIC CONTROL DIVIDED HIGHWAY ONE LANE CLOSED	06-24-2025
T-30	CONSTRUCTION SIGN DETAILS	02-17-2022
T-31	CONSTRUCTION SIGN DETAILS	06-24-2025

FINAL HYDRAULICS REPORT

TOWN:	Rockingham	DATE:	7-May-26
PROJECT NO.:	IM 091-1(81)	COUNTY:	Winchester
HIGHWAY NO.:	I-91	STREAM:	Little Commissary Brook
		STRUCTURE NO.:	24-3

STRUCTURE AND CHANNEL INFORMATION:

DRAINAGE AREA:	0.75 sq. mi.
DESIGN FLOW FREQUENCY:	1% AEP (Q100)
STRUCTURE SPAN:	4.8 ft.
STRUCTURE HEIGHT:	6.3 ft.
STRUCTURE EMBEDMENT:	N/A
STRUCTURE INFILL MATERIAL:	N/A
STRUCTURE WATERWAY AREA:	23.75 sq. ft.
STRUCTURE INLET INVERT ELEVATION:	522.61 ft.
STRUCTURE OUTLET INVERT ELEVATION:	506.70 ft.
STRUCTURE LENGTH:	310.77 ft.

FLOW FREQUENCY:	FLOW:	HEADWATER ELEVATION:	OUTLET VELOCITY:
AEP 50% (Q2):	53 cfs	525.25 ft.	19.64 fps
AEP 10% (Q10):	120 cfs	527.09 ft.	24.10 fps
AEP 4% (Q25):	160 cfs	528.06 ft.	25.64 fps
AEP 2% (Q50):	210 cfs	529.53 ft.	27.06 fps
AEP 1% (Q100):	250 cfs	530.85 ft.	27.96 fps
AEP 0.5% (Q200):	310 cfs	533.09 ft.	29.10 fps

TAILWATER ELEVATION @ DESIGN FLOW:	508.59 ft.
ROADWAY OVERTOPPING FREQUENCY:	After the 0.2% AEP
DISCHARGE OVER ROAD @ Q100:	N/A
REQUIRED CHANNEL BANK PROTECTION:	E-Stone Fill Type II (Inlet), Stone Fill Type IV (Outlet)
COMPLETED BY:	JAD
REVIEWED BY:	MHG

TRAFFIC MAINTENANCE NOTES

1. MAINTAIN TWO-WAY TRAFFIC ON THE EXISTING STRUCTURE.
2. TRAFFIC SIGNALS ARE NOT NECESSARY.
3. SIDEWALKS ARE NOT NECESSARY

DESIGN VALUES

1. DESIGN LIVE LOAD	HL-93
2. FUTURE PAVEMENT	dp: 3.0 INCH
3. CULVERT OPENING	D: 5.5 x 4.5 FT 4.8 x 6.3 FT
4. MIN. MID-SPAN POS. CAMBER @ RELEASE (PRESTRESSED UNITS)	Δ: ---
5. PRESTRESSING STRAND	fy: ---
6. PRESTRESSED CONCRETE STRENGTH	f'c: ---
7. PRESTRESSED CONCRETE RELEASE STRENGTH	f'ci: ---
8. CONCRETE, CLASS PCD	f'c: ---
9. CONCRETE, CLASS PCS	f'c: 3.5 KSI
10. CONCRETE, CLASS SCC	f'c: ---
11. CONCRETE, CLASS C	f'c: ---
12. REINFORCING STEEL	fy: 60 KSI
13. STRUCTURAL STEEL AASHTO M270	fy: ---
14. NOMINAL BEARING RESISTANCE OF SOIL	qn: 8.9 KSF
15. SOIL BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD)	φ: 0.45
16. NOMINAL BEARING RESISTANCE OF ROCK	qn: ---
17. ROCK BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD)	φ: ---
18. PILE RESISTANCE FACTOR	φ: ---
19. LATERAL PILE DEFLECTION	Δ: ---
20. BASIC WIND SPEED	V3s: ---
21. MINIMUM GROUND SNOW LOAD	pg: ---
22. SEISMIC DATA	PGA: --- Ss: --- S1: ---
23.	---
24.	---
25.	---
26.	---

LRFR LOAD RATING FACTORS

LOADING LEVELS	TRUCK						
	H-20	HL-93	3S2	6 AXLE	3A STR.	4A STR.	5A SEMI
TONNAGE	20	36	36	66	30	34.5	38
INVENTORY							
POSTING							
OPERATING							
COMMENTS:							

CULVERT DESIGN CRITERIA

1. PROPOSED CULVERT IS 6' TALL BY 5' WIDE ELLIPSE, WITH A 3" THICK MAXIMUM CURED-IN-PLACE LINER.
2. CULVERT ENDS ARE NOT SKEWEDED. 5.3' WIDE x 6.8' TALL
3. CULVERT IS SET AT A SLOPE OF 0.61 IN. ON 1 FT.
4. CULVERT WILL NOT REQUIRE FISH PASSAGE ACCOMMODATIONS
5. CULVERT LINER CONSTRUCTION WILL REQUIRE A TEMPORARY PIPE

ADDENDUM	REVISION	DATE	DESCRIPTION	BY
2	I	05-11-2026	REVISED CULVERT SIZE	ERB

TRAFFIC DATA (NORTHBOUND DATA SHOWN, SOUTHBOUND SIMILAR)

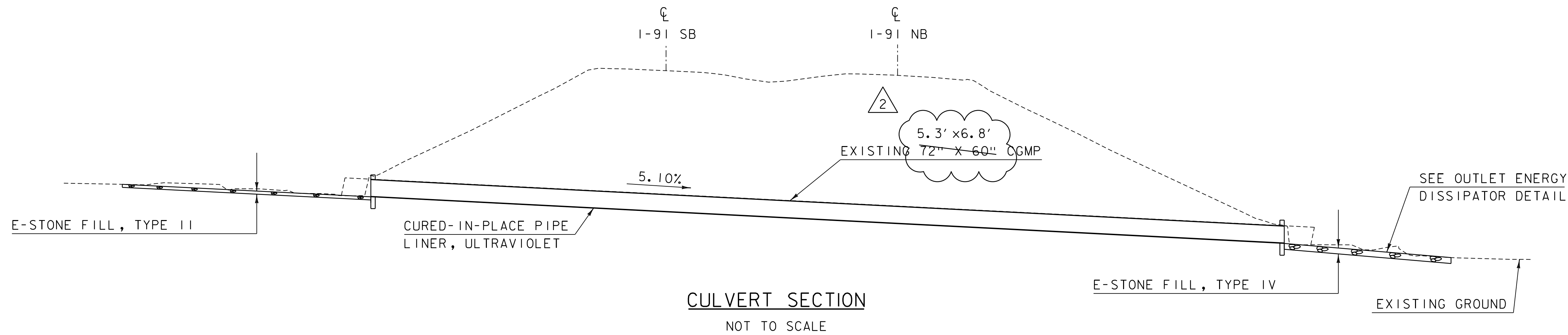
YEAR	ADT	DHV	% D	% T	ADTT
2025	6800	1100	100	14.1	1200
2045	7500	1200	100	20.2	1900

20 year ESAL for flexible pavement from 2025 to 2045	: 9110000
40 year ESAL for flexible pavement from 2025 to 2065	: 21096000
Design Speed:	65 mph

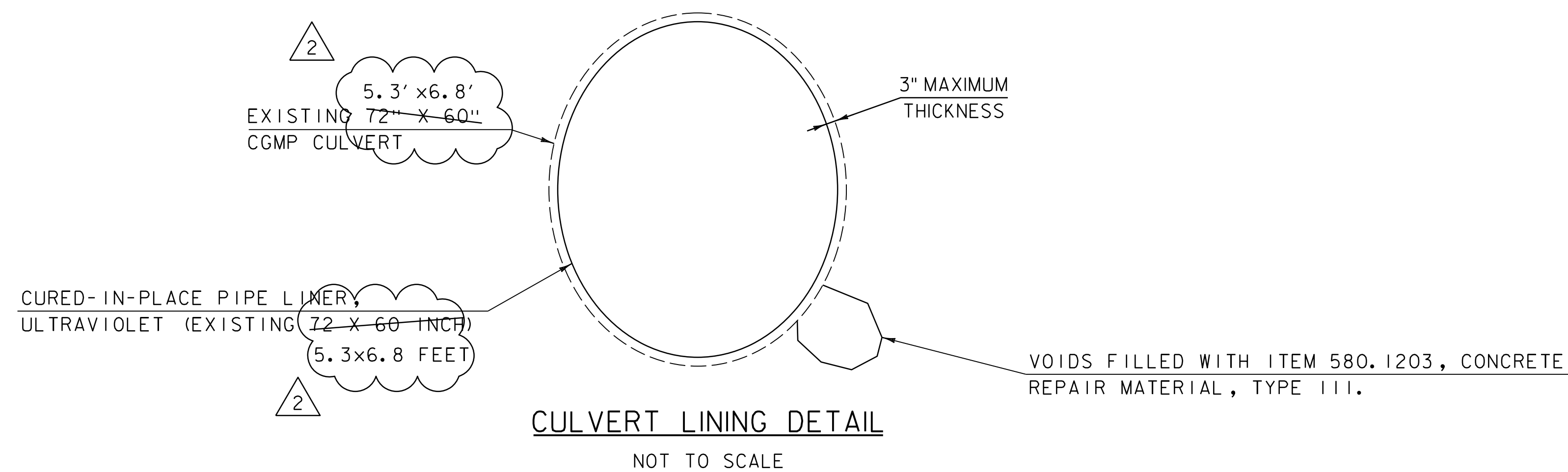
AS BUILT "REBAR" DETAIL

LEVEL I	LEVEL II	LEVEL III
TYPE:	TYPE:	TYPE:
GRADE:	GRADE:	GRADE:

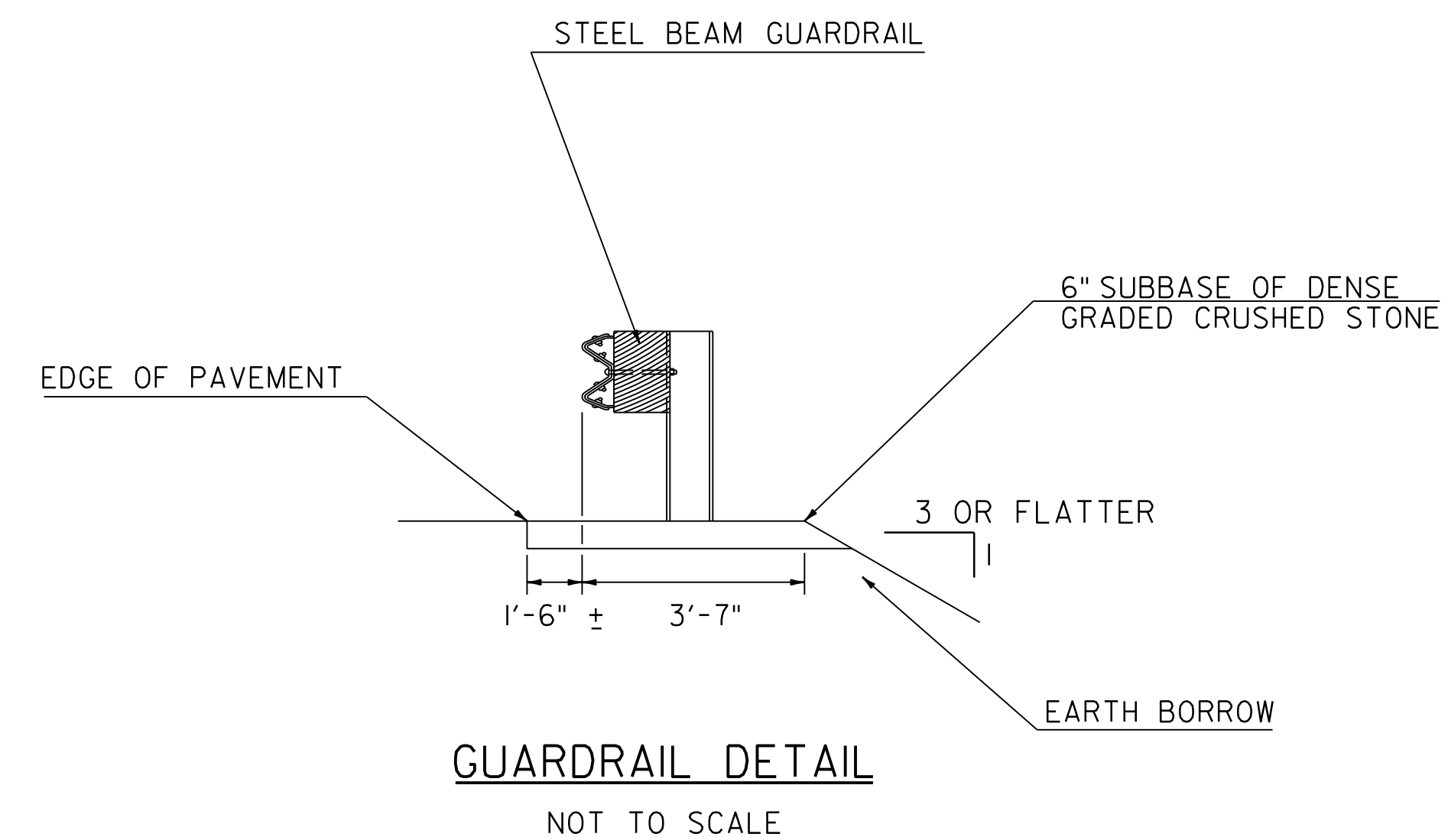
PROJECT NAME:	ROCKINGHAM	PLOT DATE:	5/11/2026
PROJECT NUMBER:	IM 091-1(81)	DRAWN BY:	T. POULIN
FILE NAME:	z19a190Pl.dgn	CHECKED BY:	P. MCKECHNIE
PROJECT LEADER:	T. POULIN	SHEET	2 OF 29
DESIGNED BY:	T. POULIN		
PRELIMINARY INFORMATION SHEET			



CULVERT SECTION
NOT TO SCALE



CULVERT LINING DETAIL
NOT TO SCALE



GUARDRAIL DETAIL
NOT TO SCALE

NOTE:
I. EARTH BORROW WILL NOT BE QUANTIFIED FOR PAYMENT BUT SHALL BE CONSIDERED INCIDENTAL TO ITEM 240.0100 "TEMPORARY ACCESS ROAD."

ADDENDUM	REVISION	DATE	DESCRIPTION	BY
2	1	05-11-2026	REVISED CULVERT SIZE	ERB

PROJECT NAME: ROCKINGHAM
PROJECT NUMBER: IM 091-1(81)

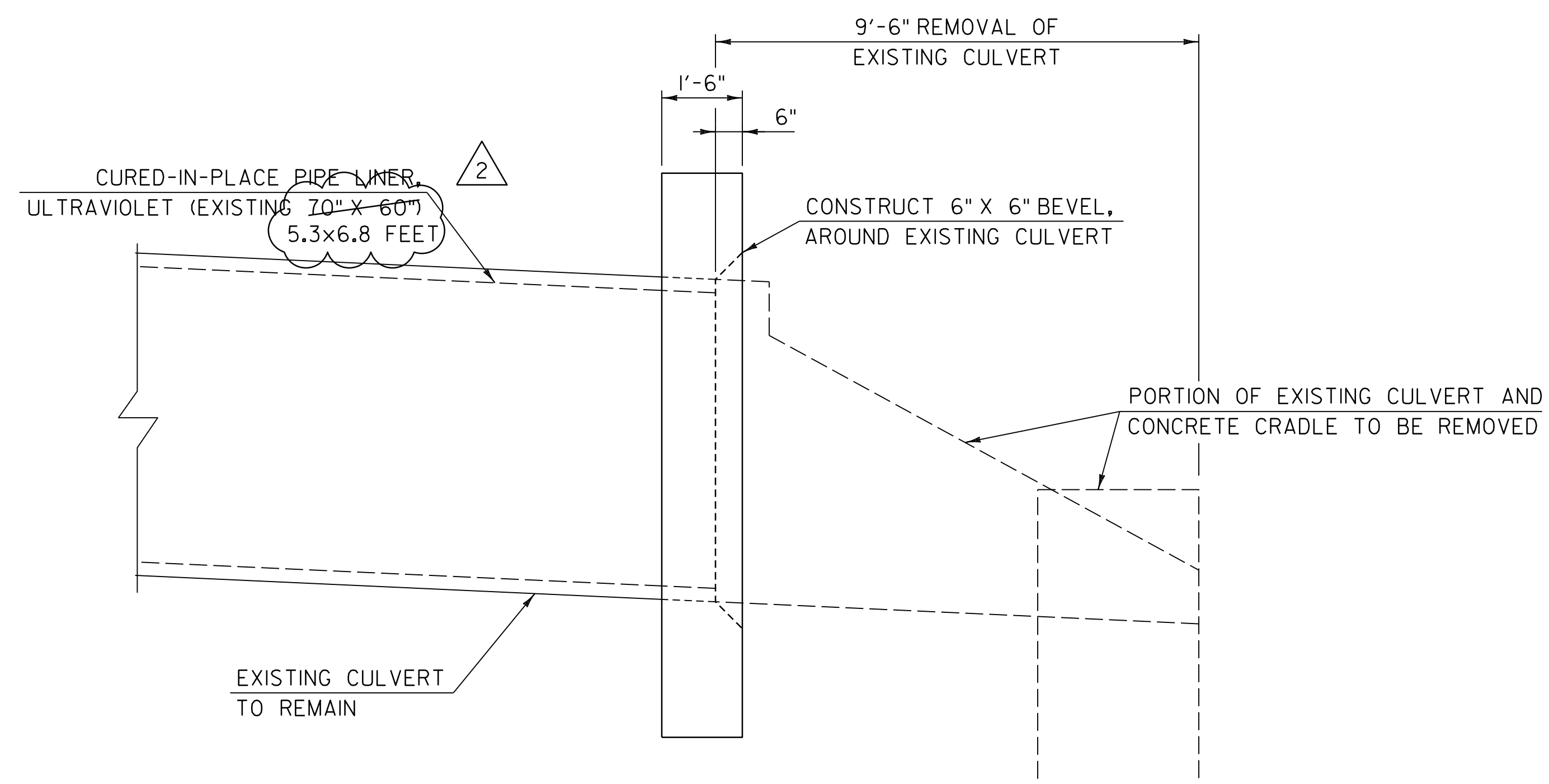
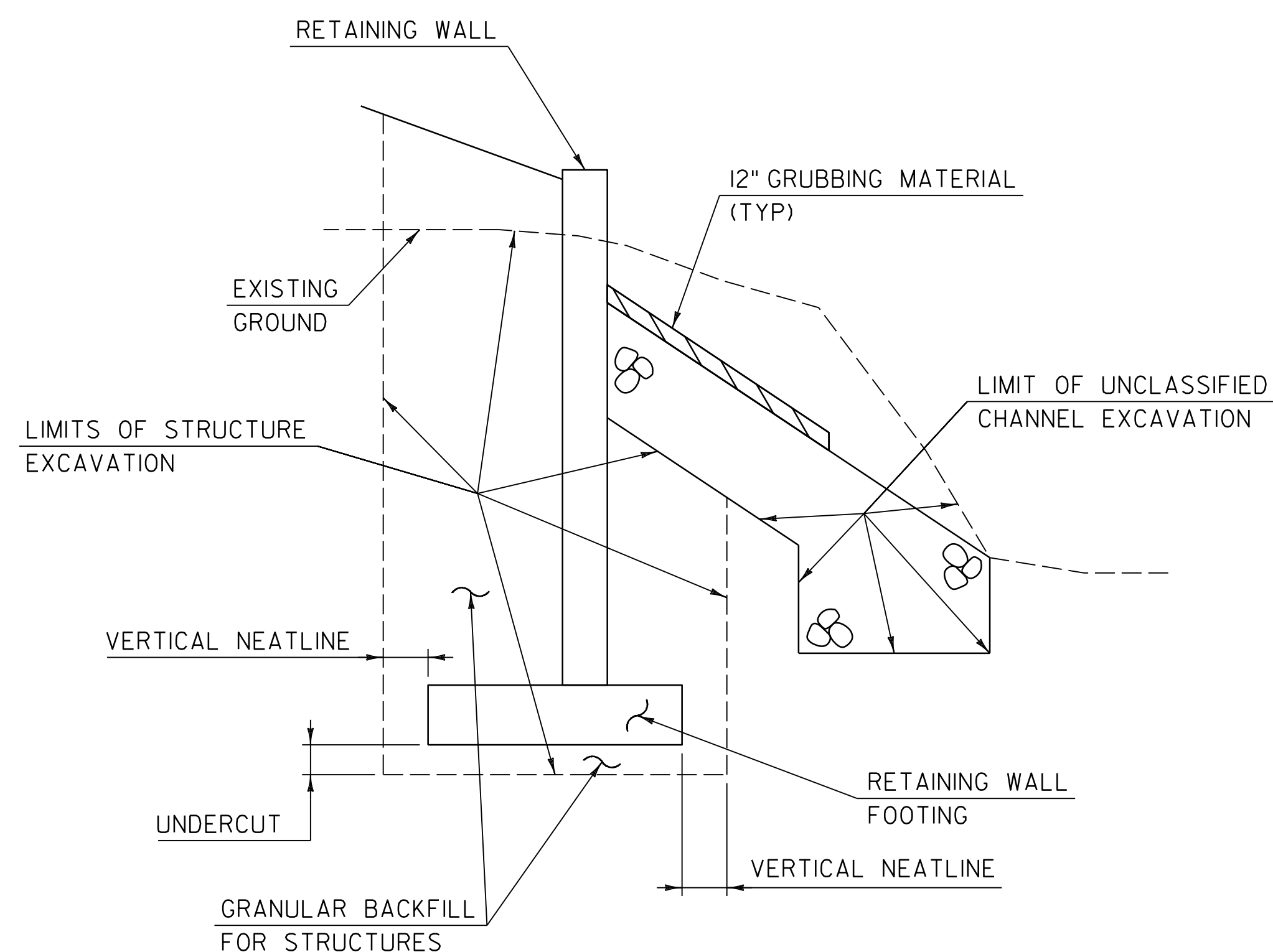
FILE NAME: z19a190+yp.dgn
PROJECT LEADER: T. POULIN
DESIGNED BY: T. POULIN
TYPICAL SECTIONS I

PLOT DATE: 12-MAY-2026
DRAWN BY: K. BELISLE
CHECKED BY: D. GUZZI
SHEET 4 OF 29



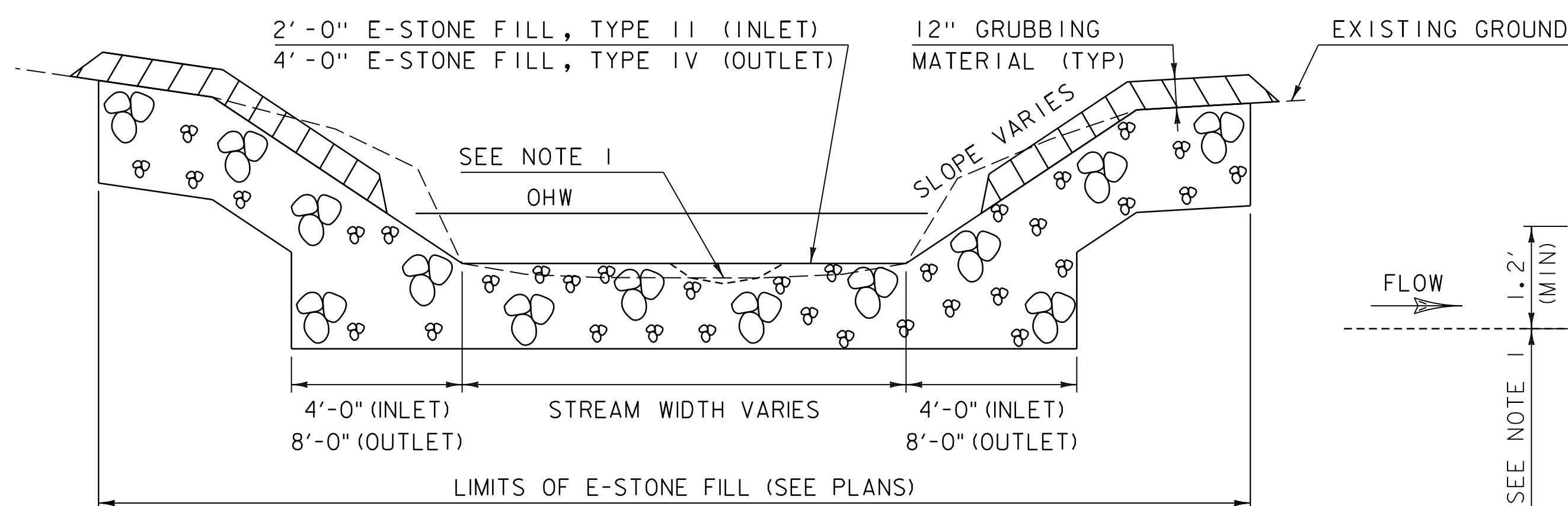
RETAINING WALL - DIMENSIONS

FOOTING	
WIDTH	DIMENSION
WIDTH	7'-0"
TOE	1'-0"
HEEL	4'-6"
THICKNESS	2'-0"
UNDERCUT	1'-0"
WALL	
THICKNESS	1'-6"
HEIGHT	VARIES
EXCAVATION LIMITS	
VERTICAL NEATLINE	1'-6"
UNDERCUT	1'-0"



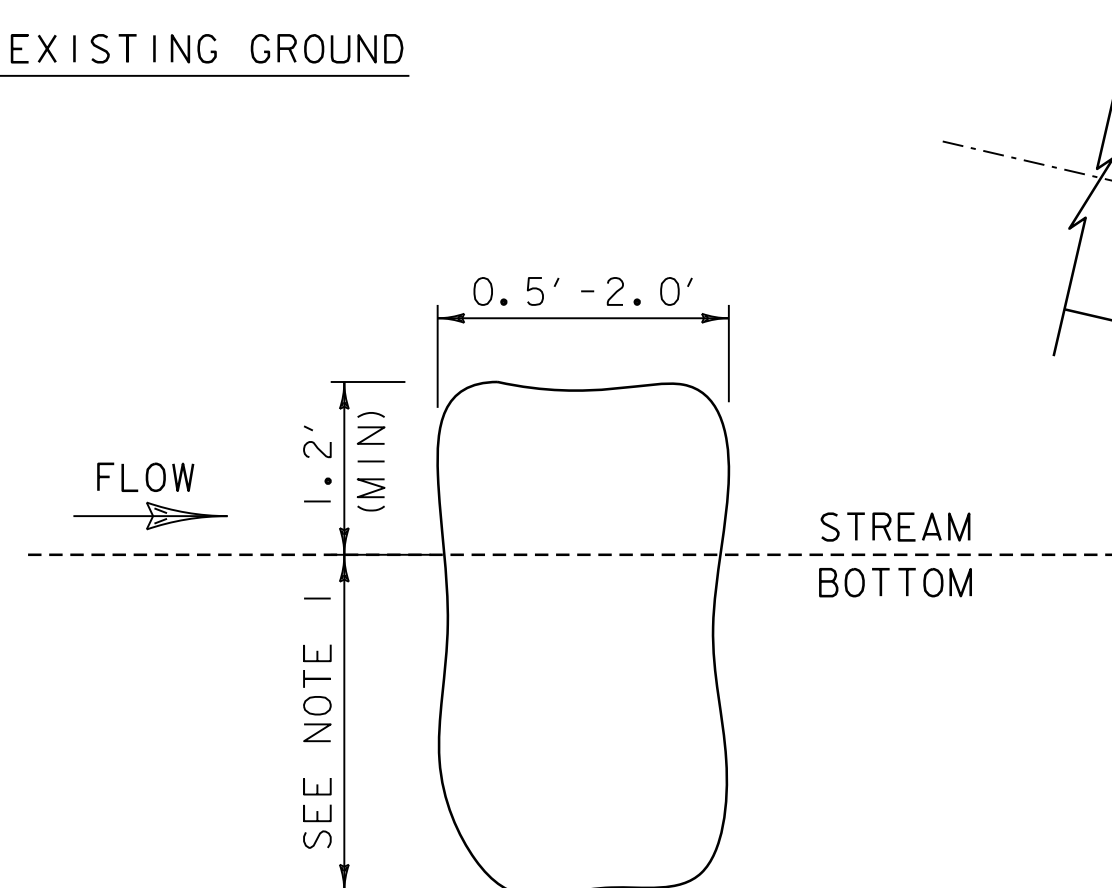
RETAINING WALL EARTHWORK TYPICAL SECTION

NOT TO SCALE



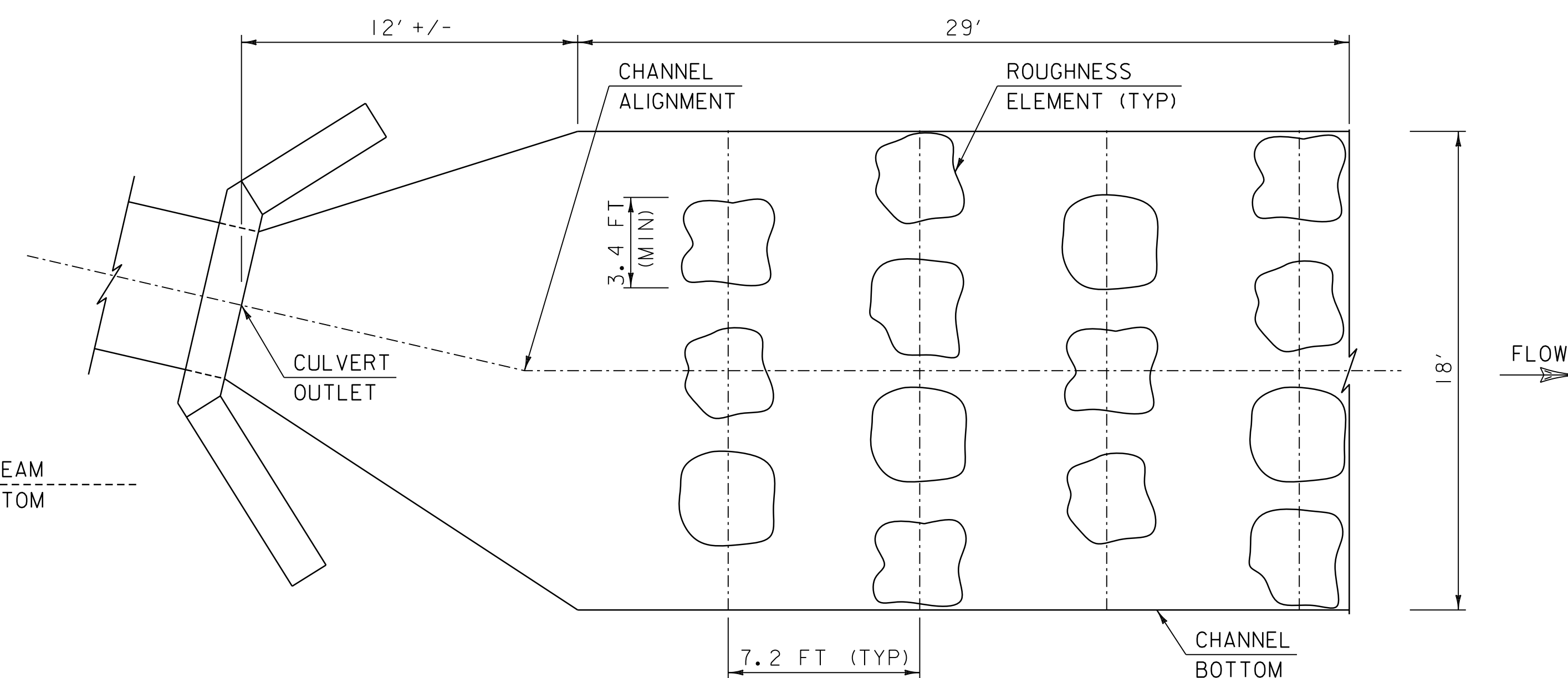
CHANNEL TYPICAL SECTION

NOT TO SCALE



ROUGHNESS ELEMENT

NOT TO SCALE



OUTLET ENERGY DISSIPATOR DETAIL

NOT TO SCALE

NOTE:

- AT THE DISCRETION OF THE ENGINEER, THE CHANNEL SHALL BE CONSTRUCTED TO A GRADE SIMILAR TO A NATURAL LOW FLOW CHANNEL.

NOTES:

- ROUGHNESS ELEMENT MUST BE EMBEDDED TWO THIRDS OF THEIR TOTAL HEIGHT.
- PAYMENT FOR INSTALLATION OF ROUGHNESS ELEMENTS AND OUTLET ENERGY DISSIPATOR SHALL BE CONSIDERED INCIDENTAL TO ITEM 613.0604 E-STONE FILL, TYPE IV.

PROJECT NAME: ROCKINGHAM

PROJECT NUMBER: IM 091-1(81)

FILE NAME: z19a190+yp.dgn

PROJECT LEADER: T. POULIN

DESIGNED BY: T. POULIN

TYPICAL SECTIONS 2

PLOT DATE: 12-MAY-2026

DRAWN BY: E. BEAUSOLEIL

CHECKED BY: D. GUZZI

SHEET 5 OF 29

ADDENDUM	REVISION	DATE	DESCRIPTION	BY
2	1	05-11-2026	REVISED CULVERT SIZE	ERB



GENERAL

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE VERMONT AGENCY OF TRANSPORTATION 2024 STANDARD SPECIFICATIONS FOR CONSTRUCTION.
2. ALL DIMENSIONS AND ELEVATIONS PROVIDED ON THE PLANS ARE HORIZONTAL OR VERTICAL AND ARE BASED UPON A COMBINATIONS OF AVAILABLE SURVEY AND RECORD PLANS INFORMATION. NO GUARANTEE IS MADE TO THE ACCURACY OF THESE PROVIDED DIMENSIONS AND ELEVATIONS AND THEY SHALL BE CONFIRMED PRIOR TO ANY WORK.

TRAFFIC CONTROL

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF A SITE-SPECIFIC TRAFFIC CONTROL PLAN FOR ALL STAGES OF CONSTRUCTION. THE PLAN SHALL CLEARLY DETAIL HOW TRAFFIC WILL BE MAINTAINED. THE PLAN SHALL SPECIFY ALL CONSTRUCTION ACTIVITIES REQUIRING ALTERNATING ONE WAY TRAFFIC ON ALDEN ROAD, RELATE THOSE ACTIVITIES TO THE CONSTRUCTION SCHEDULE, AND SHOW APPROPRIATE TEMPORARY TRAFFIC CONTROL. ALL COSTS WILL BE INCLUDED IN ITEM 641.1100, "TRAFFIC CONTROL, ALL-INCLUSIVE".
4. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE 11TH EDITION OF THE MUTCD, AND ITS LATEST REVISIONS. FOR ADDITIONAL SIGNING INSTRUCTIONS SEE THE T SERIES OF THE STANDARD DRAWINGS. WHERE CONFLICTS EXIST, THE MUTCD SHALL GOVERN.
5. FULL ACCESS TO ALL ROADS AND DRIVES SHALL BE MAINTAINED AT ALL TIMES.
6. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE FULL OPERATIONAL A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION.
7. TEMPORARY CONSTRUCTION ACCESS FROM I-91 SOUTHBOUND, IF NECESSARY, WILL REQUIRE A TEMPORARY SINGLE-LANE CLOSURE ON I-91 SOUTHBOUND. REFER TO STANDARD DRAWING T-12 FOR FURTHER DETAILS.
8. GUARDRAIL REMOVE AND RESET IS NOT ANTICIPATED. IF GUARDRAIL MUST BE TEMPORARILY REMOVED ON I-91 SOUTHBOUND FOR CONSTRUCTION ACCESS, PAYMENT WILL BE CONSIDERED INCIDENTAL TO ITEM 641.1100, "TRAFFIC CONTROL, ALL-INCLUSIVE" AND SHALL COMPLY WITH THE SPECIFICATION REQUIREMENTS OF ITEM 621.0210 "REMOVE AND RESET GUARDRAIL".

EARTHWORK, REMOVAL, AND RELATED ITEMS

9. NO ONSITE DISPOSAL OF MATERIALS WILL BE ALLOWED.
10. THE CONTRACTOR SHALL NOT STORE MATERIALS WITHIN THE BANKFULL WIDTH OF THE STREAM OR WITHIN THE CULVERT.
11. TIMBER MATS SHALL BE INSTALLED WITHIN 25 FEET OF THE VERNAL POOL TO ALLOW EQUIPMENT ACCESS OR MATERIAL STAGING AND AS DIRECTED BY THE RESIDENT ENGINEER. MATS SHALL BE PLACED TO MINIMIZE SOIL COMPACTION. MATS SHALL NOT BE DRAGGED OR PIVOTED IN PLACE TO AVOID RUTTING OR SCARRING OF THE SOIL SURFACE. PAYMENT FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 240.0100 "TEMPORARY ACCESS ROAD."
12. UPON COMPLETION OF WORK, ALL MATS SHALL BE CAREFULLY REMOVED, AND THE AREA SHALL BE RESTORED TO ITS ORIGINAL CONDITION, INCLUDING DECOMPACTION OF SOILS USING HAND TOOLS OR LOW-IMPACT METHODS, REGRADING TO PRE-CONSTRUCTION CONTOURS, AND REESTABLISHMENT OF NATIVE VEGETATION IF DISTURBED. PAYMENT FOR THIS WORK SHALL BE INCIDENTAL TO ITEM 240.0100 "TEMPORARY ACCESS ROAD."

CULVERT

- 13A. THE EXISTING CORRUGATED METAL PLATE PIPE IS A VERTICAL ELLIPTICAL PIPE, COMPRISED OF BOLTED PLATE SEGMENTS, WITH NOMINAL DIMENSIONS OF 5'X6'. ACTUAL MEASUREMENTS ARE APPROXIMATELY 5.3' (SPAN) X 6.8' (RISE) TO THE FACE OF THE PLATES. THE CONTRACTOR SHALL VERIFY PIPE DIMENSIONS TO ENSURE PROPER LINER FIT PRIOR TO ORDERING THE LINER. NO ADDITIONAL PAYMENT WILL BE MADE FOR VARIATION IN THE REQUIRED LINER SIZE FROM THE DIMENSIONS SHOWN IN THE PLANS.
13. PAYMENT FOR DIVERTING WATER AND MAINTAINING DRY CONDITIONS DURING WORK WILL BE MADE UNDER ITEM 614.1000, TEMPORARY RELOCATION OF THE STREAM. REMOVAL OF PAVEMENT / OPEN CUT TRENCHING ACROSS THE INTERSTATE FOR INSTALLATION OF BYPASS PIPING / STREAM RELOCATION WILL NOT BE PERMITTED.
14. DESIGN OF THE LINER SHALL MEET THE REQUIREMENTS OF SECTION 209-0001 AND THE FOLLOWING REQUIREMENTS:
 - A. MINIMUM SERVICE LIFE OF 50 YEARS UNDER CONTINUOUS SERVICE,
 - B. TOTAL WET UNIT WEIGHT OF SOIL OF 120 PCF, AND SATURATED WEIGHT OF 135 PCF, AND
 - C. MODULUS OF SOIL REACTION OF 2.6 KSI
15. ALL COSTS FOR REMOVAL AND DISPOSAL OF THE EXISTING CONCRETE CRADLE WALLS AND PARTIAL REMOVAL AND DISPOSAL OF THE EXISTING CORRUGATED METAL PIPE SHALL BE PAID UNDER ITEM 529.2000, PARTIAL REMOVAL OF STRUCTURE.



CONCRETE AND REINFORCEMENT STEEL

16. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1"X1".
17. ALL HORIZONTAL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DRAWING S-500.
18. WATER REPELLENT, SILANE SHALL BE APPLIED TO ALL CONCRETE SURFACES EXPOSED IN THE FINAL CONDITION.
19. MINIMUM CLEAR COVER SHALL BE AS FOLLOWS:

- WINGWALLS AND HEADWALLS:	2 INCHES
- ELSEWHERE UNLESS OTHERWISE INDICATED:	3 INCHES
20. ALL REINFORCING STEEL WITHIN THE WINGWALLS AND HEADWALLS SHALL MEET THE REQUIREMENTS FOR LEVEL II CORROSION RESISTANCE IN ACCORDANCE WITH SECTION 507.
21. ALL REINFORCING STEEL WITHIN THE FOOTINGS SHALL MEET THE REQUIREMENTS FOR LEVEL I CORROSION RESISTANCE IN ACCORDANCE WITH SECTION 507.

FOUNDATIONS

22. FOR STRENGTH LIMIT STATE, USING A RESISTANCE FACTOR OF 0.45, THE FACTORED BEARING RESISTANCE IS 4.0 KSF
23. FOR SERVICE LIMIT STATE, USING A RESISTANCE FACTOR OF 1.0, THE FACTORED BEARING RESISTANCE IS 2.5 KSF.
24. IF BEDROCK IS ENCOUNTERED AT AN ELEVATION HIGHER THAN THE NOTED BOTTOM OF FOOTING, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND RAISE THE FOOTING WHILE MAINTAINING THE SAME FOOTING THICKNESS.

ADDENDUM	REVISION	DATE	DESCRIPTION	BY
2	I	05-11-2026	ADDED NOTE I3A	ERB

PROJECT NAME: ROCKINGHAM	
PROJECT NUMBER: IM 091-1(81)	
FILE NAME: z19a190Notes.dgn	PLOT DATE: 12-MAY-2026
PROJECT LEADER: T. POULIN	DRAWN BY: T. POULIN
DESIGNED BY: T. POULIN	CHECKED BY: P. MCKECHNIE
PROJECT NOTES	SHEET 6 OF 29



QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES			
							1041 - LANDSCAPING	1051 - EROSION CONTROL	1211 - BRIDGE NO. 1	1999 - FULL C.E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
									1		1		LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.1000				
									4		4		CY	SOLID ROCK EXCAVATION	203.1600				
									700		700		CY	UNCLASSIFIED CHANNEL EXCAVATION	203.2700				
									1		1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.2200				
									225		225		CY	STRUCTURE EXCAVATION	204.2500				
									175		175		CY	GRANULAR BACKFILL FOR STRUCTURES	204.3000				
									312		312		LF	CURED-IN-PLACE PIPE LINER, ULTRAVIOLET (EXISTING 72" X 60" INCH) 5.3 X 6.8 FEET	209.0100001				
									1		1		LS	TEMPORARY ACCESS ROAD	240.0100				
									8		8		CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.3500				
									37		37		CY	PERFORMANCE-BASED CONCRETE, CLASS PCS	501.3800				
									783		783		LB	REINFORCING STEEL, LEVEL I	507.1100				
									2424 2440		2424 2440		LB	REINFORCING STEEL, LEVEL II	507.1200				
									4		4		GAL	WATER REPELLENT, SILANE	514.1000				
									1		1		EACH	PARTIAL REMOVAL OF STRUCTURE	529.2000				
									20		20		CF	CONCRETE REPAIR MATERIAL, TYPE III	580.1203				
									170		170		CY	E-STONE FILL, TYPE II	613.0602				
									295		295		CY	E-STONE FILL, TYPE IV	613.0604				
								1			1		EACH	TEMPORARY RELOCATION OF STREAM	614.1000				
									140		140		LF	CHAIN-LINK FENCE, 6 FOOT	620.1006				
									1		1		EACH	BRACING ASSEMBLY FOR CHAIN-LINK FENCE, 6 FOOT	620.2006				
									140		140		LF	REMOVAL OF EXISTING FENCE	620.5500				
									53		53		LF	REMOVAL OF GUARDRAIL	621.0100				
									79		79		LF	STEEL BEAM GUARDRAIL	621.1060				
									2		2		EACH	ANCHOR FOR STEEL BEAM GUARDRAIL, MGS	621.1530				
									30		30		HR	UNIFORMED TRAFFIC OFFICERS	630.1000				
									300		300		HR	FLAGGERS	630.1500				
										1	1		LS	FIELD OFFICE, ENGINEER'S	631.1000				
										1	1		LS	TESTING EQUIPMENT, CONCRETE	631.1600				
										1	1		LS	TESTING EQUIPMENT, GROUT	631.1900				
										3000	3000		DL	FIELD OFFICE COMMUNICATIONS (N.A.B.I.)	631.2600				
									3		3		EACH	CPM SCHEDULE	633.1000				
									1		1		LS	MOBILIZATION/DEMOBILIZATION	635.1100				
									1		1		LS	TRAFFIC CONTROL, ALL-INCLUSIVE	641.1100				
									3		3		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.1500				
							2613				2613		SY	TURF ESTABLISHMENT, SPECIALTY SEED (VAOT POLLINATOR DRY)	651.1600				
							875				875		SY	TURF ESTABLISHMENT, SPECIALTY SEED (VAOT POLLINATOR WET)	651.1600				
								400			400		CY	TOPSOIL	651.3500				
									175		175		SY	GRUBBING MATERIAL, 12 INCH	651.4012				
								1			1		LS	EPSC PLAN	653.0100				
								15			15		HR	MONITORING EPSC PLAN	653.0200				

ADDENDUM	REVISION	DATE	DESCRIPTION	BY
2	1	05-11-2026	REVISED CULVERT SIZE AND REBAR QUANTITY	ERB

PROJECT NAME: **ROCKINGHAM**
PROJECT NUMBER: **IM 091-1(81)**
FILE NAME: z19a190frm.dgn
PROJECT LEADER: T. POULIN
DESIGNED BY: P. MCKECHNIE
QUANTITY SHEET #1

PLOT DATE: 02/27/2026
DRAWN BY: P. MCKECHNIE
CHECKED BY: T. POULIN
SHEET 8 OF 29

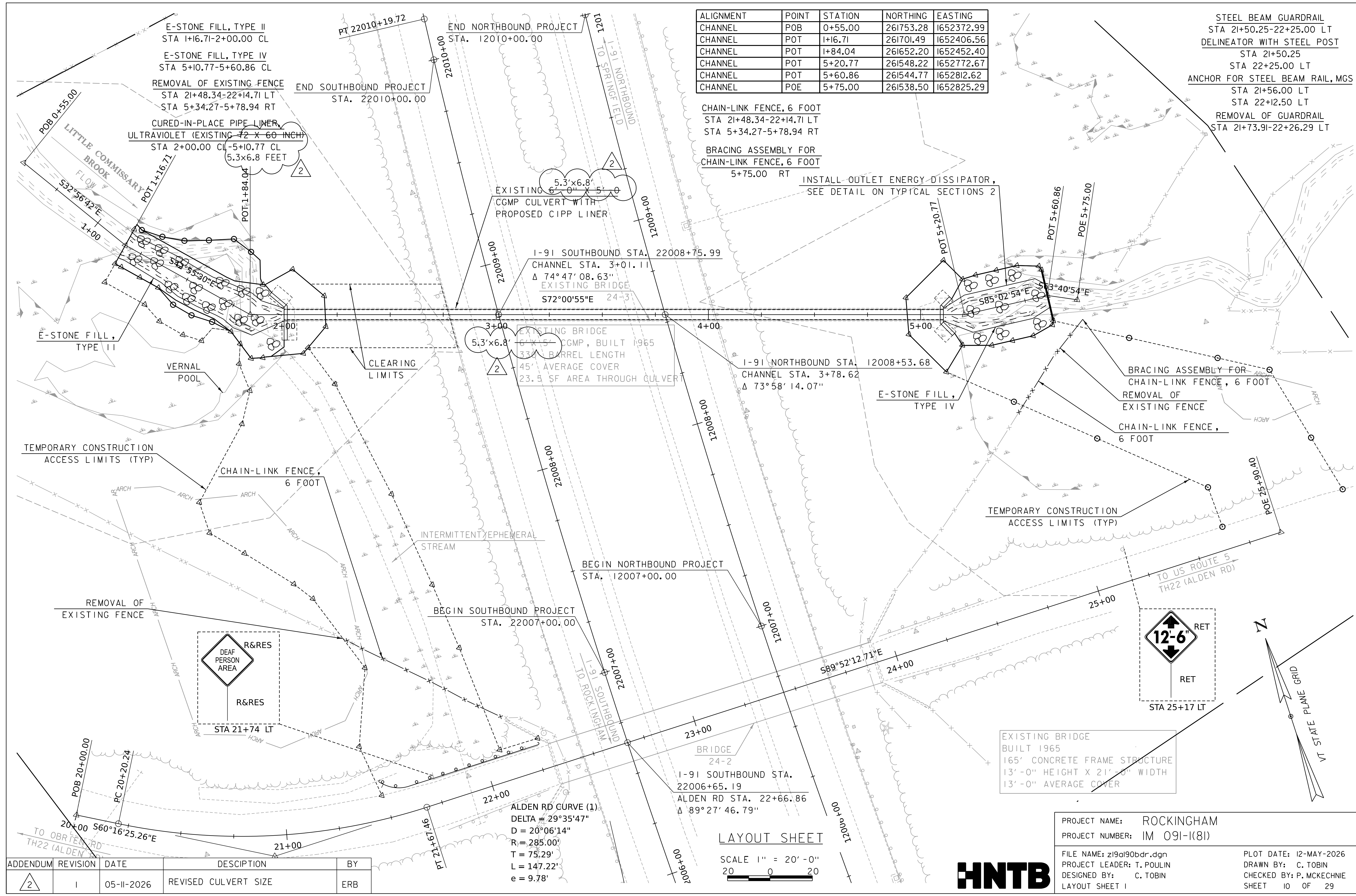
ALIGNMENT	POINT	STATION	NORTHING	EASTING
CHANNEL	POB	0+55.00	261753.28	1652372.99
CHANNEL	POT	1+16.71	261701.49	1652406.56
CHANNEL	POT	1+84.04	261652.20	1652452.40
CHANNEL	POT	5+20.77	261548.22	1652772.67
CHANNEL	POT	5+60.86	261544.77	1652812.62
CHANNEL	POE	5+75.00	261538.50	1652825.29

CHAIN-LINK FENCE, 6 FOOT
 STA 21+48.34-22+14.71 LT
 STA 5+34.27-5+78.94 RT

BRACING ASSEMBLY FOR
 CHAIN-LINK FENCE, 6 FOOT
 5+75.00 RT

INSTALL OUTLET ENERGY DISSIPATOR,
 SEE DETAIL ON TYPICAL SECTIONS 2

STEEL BEAM GUARDRAIL
 STA 21+50.25-22+25.00 LT
 DELINEATOR WITH STEEL POST
 STA 21+50.25
 STA 22+25.00 LT
 ANCHOR FOR STEEL BEAM RAIL, MGS
 STA 21+56.00 LT
 STA 22+12.50 LT
 REMOVAL OF GUARDRAIL
 STA 21+73.91-22+26.29 LT



1-91 SOUTHBOUND STA. 22008+75.99
 CHANNEL STA. 3+01.11
 $\Delta 74^\circ 47' 08.63''$
 EXISTING BRIDGE
 $572^\circ 00' 55'' E$ 24-3

EXISTING BRIDGE
 6' X 5' CGMP, BUILT 1965
 33' BARREL LENGTH
 45' AVERAGE COVER
 23.5 SF AREA THROUGH CULVERT

1-91 NORTHBOUND STA. 12008+53.68
 CHANNEL STA. 3+78.62
 $\Delta 73^\circ 58' 14.07''$

BEGIN NORTHBOUND PROJECT
 STA. 12007+00.00

BEGIN SOUTHBOUND PROJECT
 STA. 22007+00.00

BRIDGE
 24-2
 1-91 SOUTHBOUND STA.
 22006+65.19
 ALDEN RD STA. 22+66.86
 $\Delta 89^\circ 27' 46.79''$

ALDEN RD CURVE (1)
 DELTA = $29^\circ 35' 47''$
 D = $20^\circ 06' 14''$
 R = 285.00'
 T = 75.29'
 L = 147.22'
 e = 9.78'

EXISTING BRIDGE
 BUILT 1965
 165' CONCRETE FRAME STRUCTURE
 13'-0" HEIGHT X 21'-0" WIDTH
 13'-0" AVERAGE COVER

LAYOUT SHEET
 SCALE 1" = 20'-0"
 20 0 20

PROJECT NAME: ROCKINGHAM
 PROJECT NUMBER: IM 091-1(81)


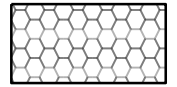
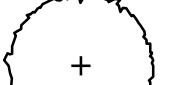

FILE NAME: z19a190bdr.dgn
 PROJECT LEADER: T. POULIN
 DESIGNED BY: C. TOBIN
 LAYOUT SHEET 1

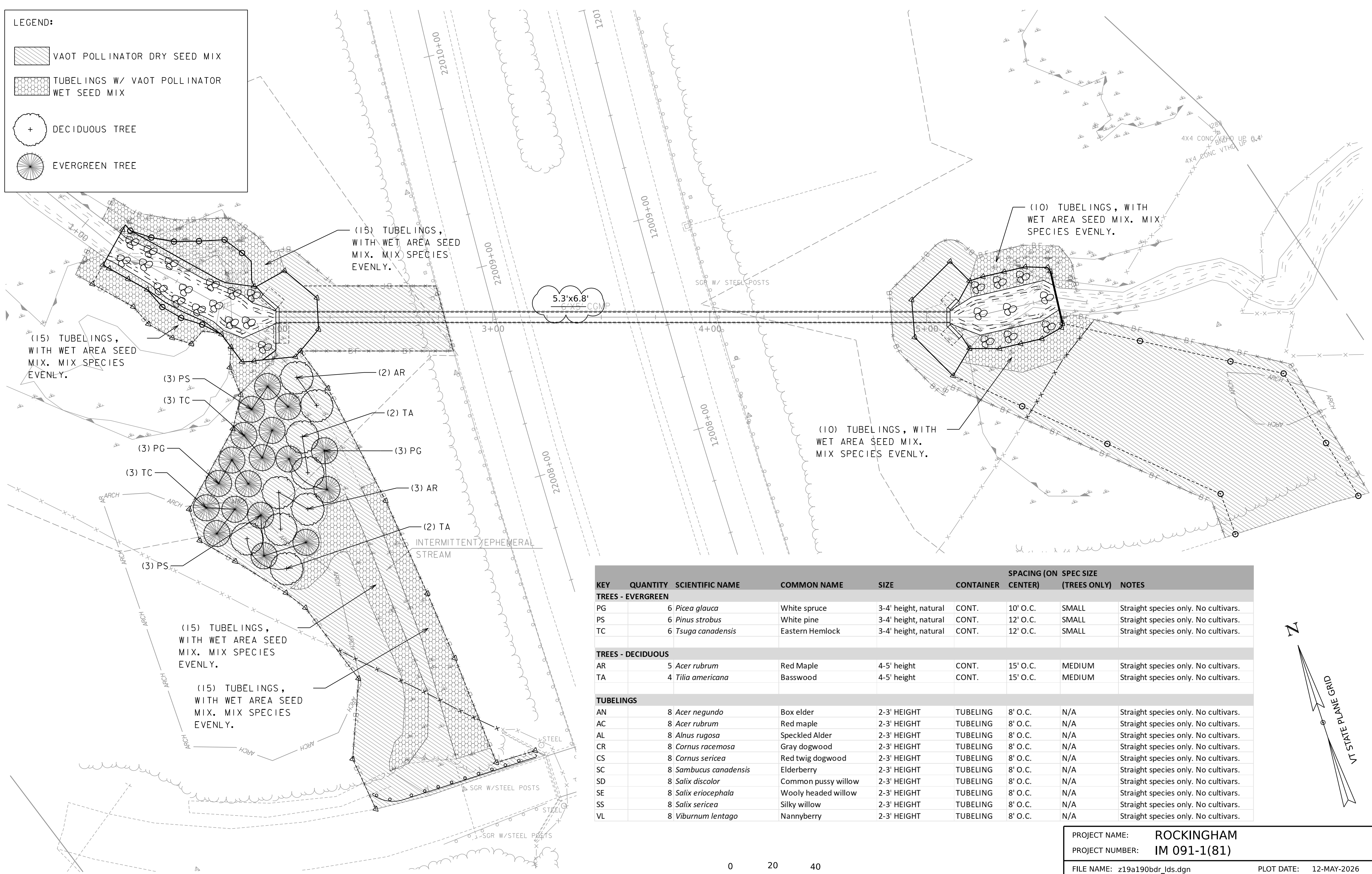
PLOT DATE: 12-MAY-2026
 DRAWN BY: C. TOBIN
 CHECKED BY: P. MCKECHNIE
 SHEET 10 OF 29

ADDENDUM	REVISION	DATE	DESCRIPTION	BY
	1	05-11-2026	REVISED CULVERT SIZE	ERB

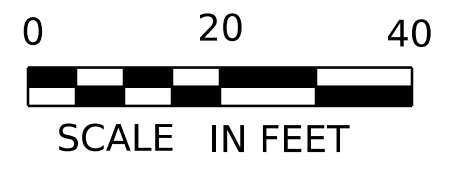
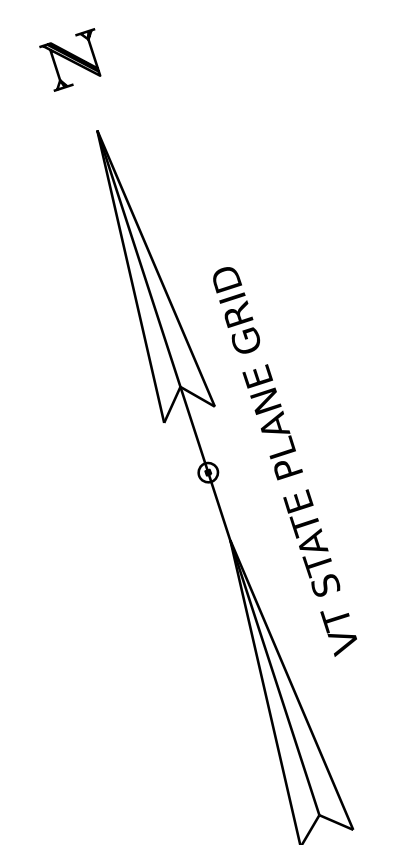


LEGEND:

-  VAOT POLLINATOR DRY SEED MIX
-  TUBELINGS W/ VAOT POLLINATOR WET SEED MIX
-  DECIDUOUS TREE
-  EVERGREEN TREE

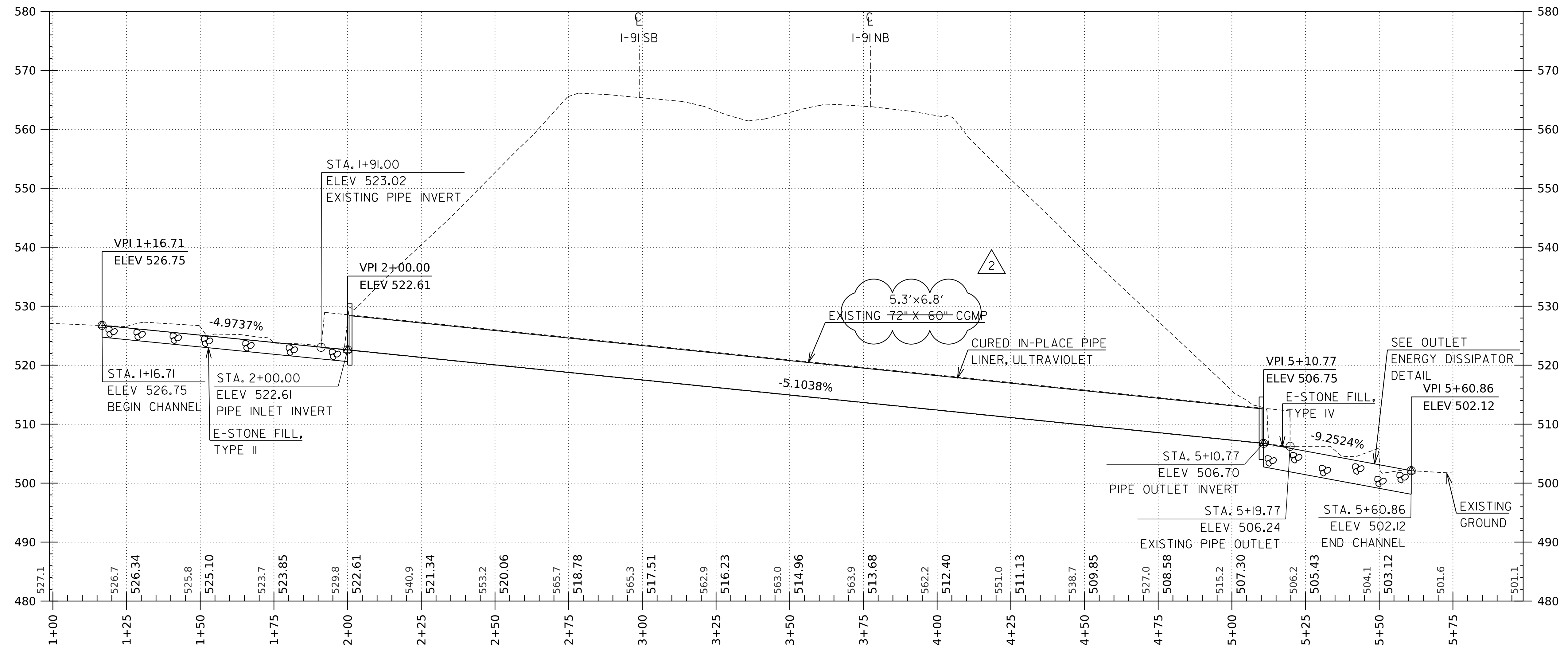


KEY	QUANTITY	SCIENTIFIC NAME	COMMON NAME	SIZE	CONTAINER	SPACING (ON CENTER)	SPEC SIZE (TREES ONLY)	NOTES
TREES - EVERGREEN								
PG	6	<i>Picea glauca</i>	White spruce	3-4' height, natural	CONT.	10' O.C.	SMALL	Straight species only. No cultivars.
PS	6	<i>Pinus strobus</i>	White pine	3-4' height, natural	CONT.	12' O.C.	SMALL	Straight species only. No cultivars.
TC	6	<i>Tsuga canadensis</i>	Eastern Hemlock	3-4' height, natural	CONT.	12' O.C.	SMALL	Straight species only. No cultivars.
TREES - DECIDUOUS								
AR	5	<i>Acer rubrum</i>	Red Maple	4-5' height	CONT.	15' O.C.	MEDIUM	Straight species only. No cultivars.
TA	4	<i>Tilia americana</i>	Basswood	4-5' height	CONT.	15' O.C.	MEDIUM	Straight species only. No cultivars.
TUBELINGS								
AN	8	<i>Acer negundo</i>	Box elder	2-3' HEIGHT	TUBELING	8' O.C.	N/A	Straight species only. No cultivars.
AC	8	<i>Acer rubrum</i>	Red maple	2-3' HEIGHT	TUBELING	8' O.C.	N/A	Straight species only. No cultivars.
AL	8	<i>Alnus rugosa</i>	Speckled Alder	2-3' HEIGHT	TUBELING	8' O.C.	N/A	Straight species only. No cultivars.
CR	8	<i>Cornus racemosa</i>	Gray dogwood	2-3' HEIGHT	TUBELING	8' O.C.	N/A	Straight species only. No cultivars.
CS	8	<i>Cornus sericea</i>	Red twig dogwood	2-3' HEIGHT	TUBELING	8' O.C.	N/A	Straight species only. No cultivars.
SC	8	<i>Sambucus canadensis</i>	Elderberry	2-3' HEIGHT	TUBELING	8' O.C.	N/A	Straight species only. No cultivars.
SD	8	<i>Salix discolor</i>	Common pussy willow	2-3' HEIGHT	TUBELING	8' O.C.	N/A	Straight species only. No cultivars.
SE	8	<i>Salix eriocephala</i>	Woolly headed willow	2-3' HEIGHT	TUBELING	8' O.C.	N/A	Straight species only. No cultivars.
SS	8	<i>Salix sericea</i>	Silky willow	2-3' HEIGHT	TUBELING	8' O.C.	N/A	Straight species only. No cultivars.
VL	8	<i>Viburnum lentago</i>	Nannyberry	2-3' HEIGHT	TUBELING	8' O.C.	N/A	Straight species only. No cultivars.



PROJECT NAME: **ROCKINGHAM**
 PROJECT NUMBER: **IM 091-1(81)**
 FILE NAME: z19a190bdr_ids.dgn
 PROJECT LEADER: A. GOUDREAU
 DESIGNED BY: B. DONAHUE
 LANDSCAPE SHEET 1

PLOT DATE: 12-MAY-2026
 DRAWN BY: B. DONAHUE
 CHECKED BY: A. GOUDREAU
 SHEET 11 OF 29

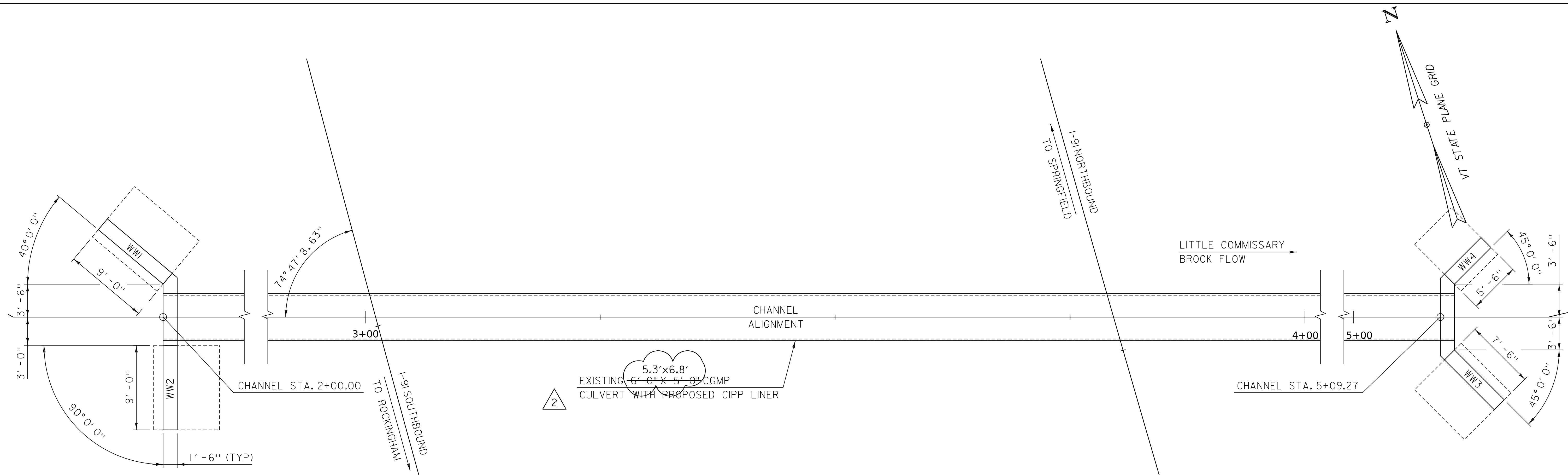


CHANNEL PROFILE
 HORIZONTAL SCALE: 1" = 20'-0"
 VERTICAL SCALE: 1" = 10'-0"

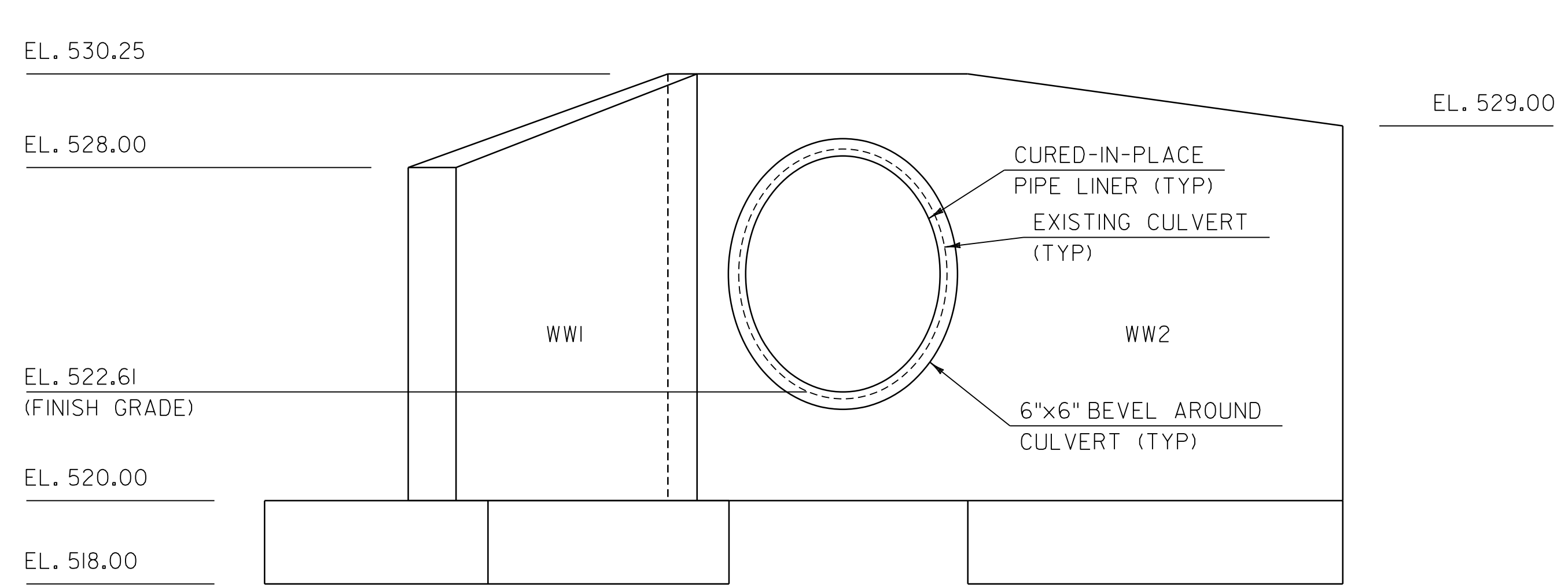
ADDENDUM	REVISION	DATE	DESCRIPTION	BY
2	1	05-11-2026	REVISED CULVERT SIZE	ERB

PROJECT NAME: ROCKINGHAM	PLOT DATE: 12-MAY-2026
PROJECT NUMBER: IM 091-1(89)	DRAWN BY: P. MCKECHNIE
FILE NAME: z19a190pro_Stream.dgn	CHECKED BY: S. SPEAR
PROJECT LEADER: T. POULIN	SHEET 13 OF 29
DESIGNED BY: P. MCKECHNIE	
CHANNEL PROFILE	

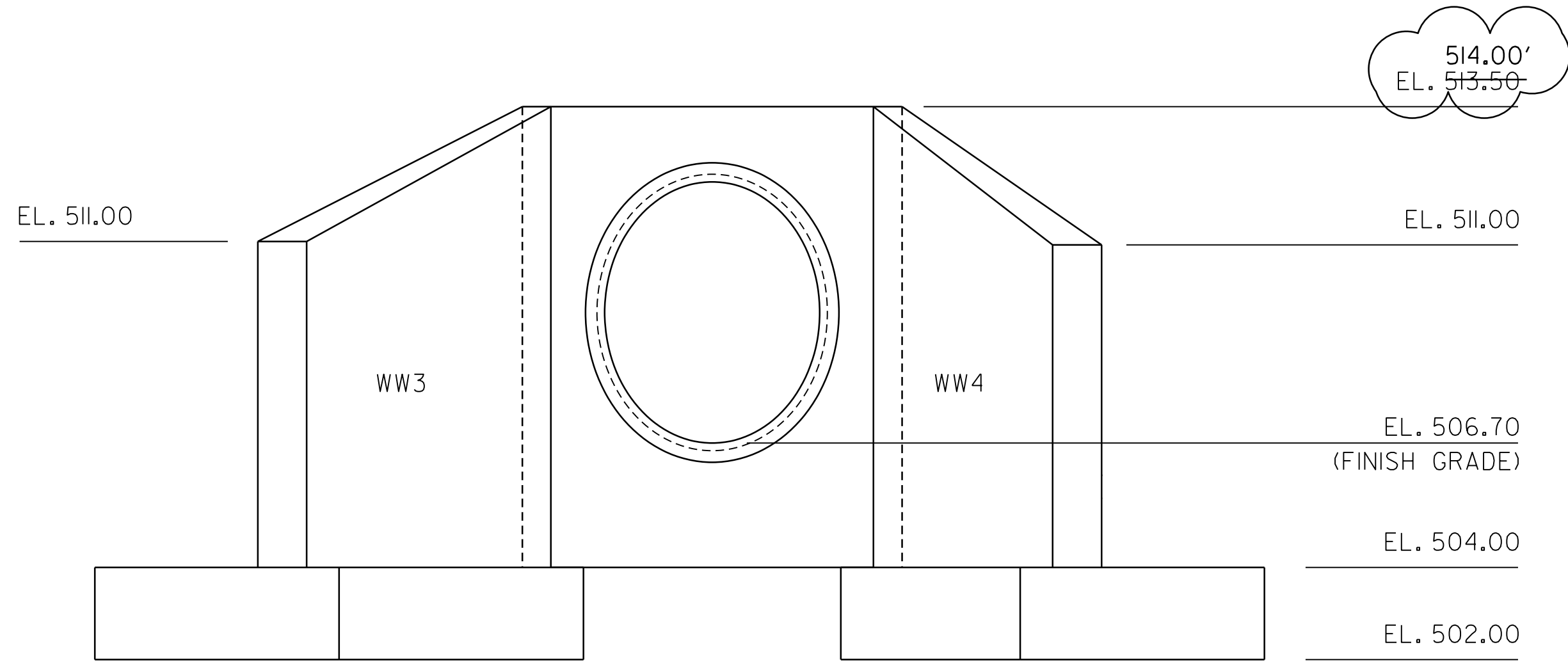




CONCRETE HEADWALL PLAN
SCALE: 3/16" = 1'-0"



INLET ELEVATION
SCALE: 3/8" = 1'-0"



OUTLET ELEVATION
SCALE: 3/8" = 1'-0"

ADDENDUM	REVISION	DATE	DESCRIPTION	BY
2	1	05-11-2026	REVISED CULVERT SIZE AND TOP OF OUTLET HEADWALL ELEVATION	ERB

PROJECT NAME: ROCKINGHAM
 PROJECT NUMBER: IM 091-1(81)
 FILE NAME: z19a190struct.dgn
 PROJECT LEADER: T. POULIN
 DESIGNED BY: K. SCHWEIZER
 INLET & OUTLET PLAN AND ELEVATION
 PLOT DATE: 12-MAY-2026
 DRAWN BY: K. BELISLE
 CHECKED BY: T. POULIN
 SHEET 21 OF 29

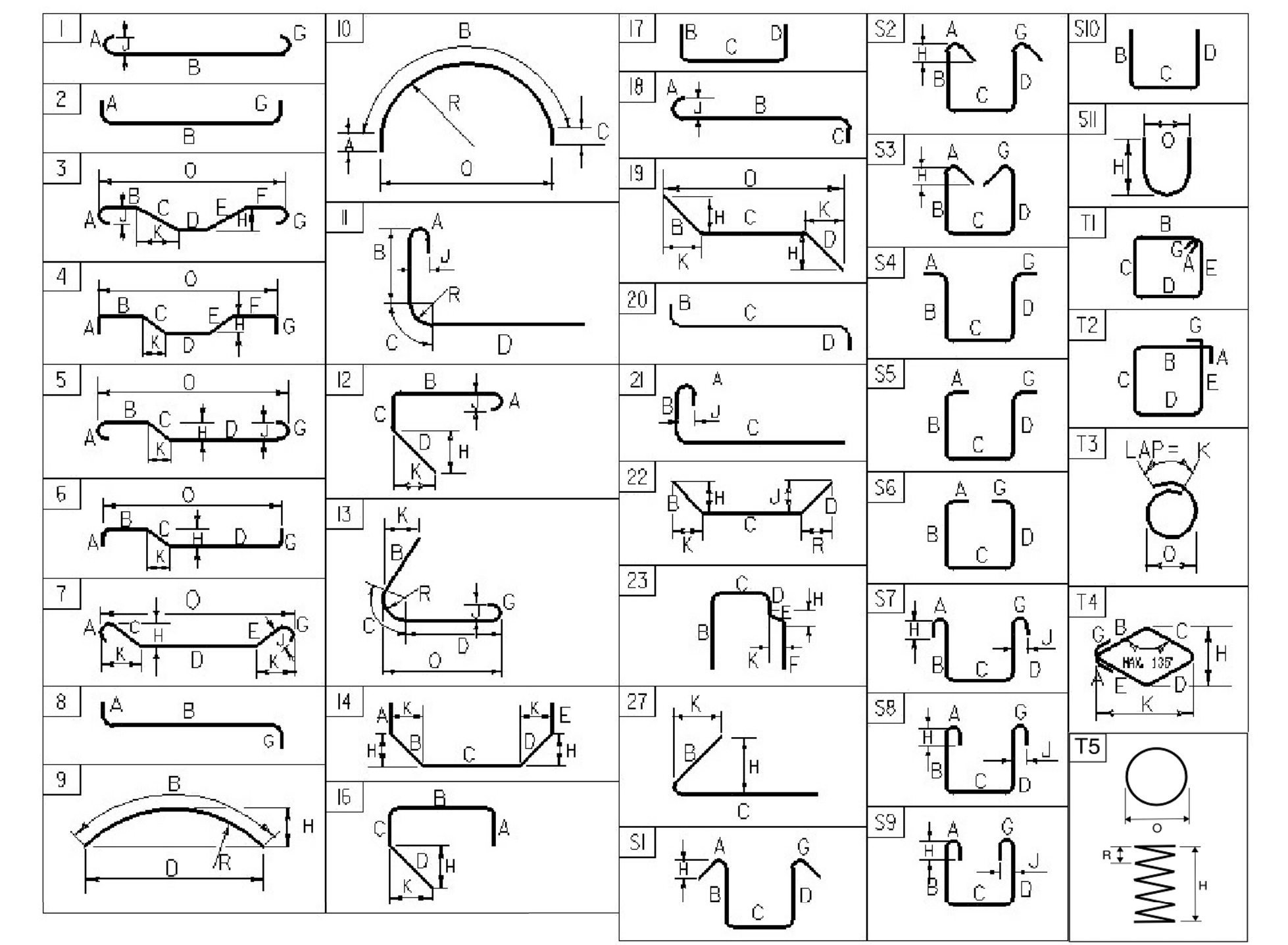


REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O	ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O		
WINGWALL #1																																					
	16	4	8'-6"	1W401	STR																																
	10	4	7'-2"	1W401.2	20		0'-8"	6'-6"	0'-0"																												
	10	4	8'-1"	1W402.2	20		7'-5"	0'-8"	0'-0"																												
▲	10	4	13'-0"	1W403.2	19		10'-5"	4'-1"	0'-0"				8'-0"		6'-8"		9'-3"																				
▲	11	4	7'-8"	1W404.2	19		3'-10"	3'-10"	0'-0"				2'-11"		2'-6"		6'-4"																				
▲	10	4	13'-2"	1W405.2	19		7'-11"	5'-3"	0'-0"				6'-1"		5'-1"		10'-4"																				
	3	4	13'-10"	1W406.2	19		9'-8"	4'-2"	0'-0"				2'-3"		9'-5"		13'-7"																				
	20	5	6'-6"	1W501	STR																																
	10	6	8'-0"	1W601.2	20		1'-0"	7'-0"	0'-0"																												
	10	6	8'-4"	1W602.2	20		7'-4"	1'-0"	0'-0"																												
WINGWALL #2																																					
	16	4	8'-6"	2W401	STR																																
*	11	4	7'-2"	2W401.2	20		0'-8"	6'-6"	0'-0"																												
	10	4	7'-3"	2W402.2	20		7'-5"	0'-8"	0'-0"																												
▲	21	4	11'-10"	2W403.2	STR																																
	3	4	11'-11"	2W406.2	19		8'-11"	3'-0"	0'-0"				1'-3"		8'-10"		11'-10"																				
	20	5	6'-6"	2W501	STR																																
	10	6	8'-0"	2W601.2	20		1'-0"	7'-0"	0'-0"																												
	10	6	8'-4"	2W602.2	20		7'-4"	1'-0"	0'-0"																												
WINGWALL #3																																					
*	17	4	7'-0"	3W401	STR			7'-0"																													
	8	4	7'-2"	3W401.2	20		0'-8"	6'-6"	0'-0"																												
	8	4	7'-3"	3W402.2	20		6'-7"	0'-8"	0'-0"																												
▲	10	4	11'-4"	3W403.2	19		9'-0"	2'-4"	0'-0"				6'-4"		6'-4"		8'-6"																				
▲	11	4	7'-8"	3W404.2	19		3'-10"	3'-10"	0'-0"				2'-9"		2'-9"		6'-7"																				
▲	10	4	11'-8"	3W405.2	19		6'-3"	5'-5"	0'-0"				4'-5"		4'-5"		9'-10"																				
▲	3	4	12'-6"	3W406.2	19	8'-4"	8'-3"	4'-3"	0'-0"			3'-0"	2'-6"		7'-10"		12'-1"																				
	16	5	6'-6"	3W501	STR			7'-6"																													
8'-6"	8	6	8'-0"	3W601.2	20		1'-0"	7'-0"	0'-0"																												
*	9	6	7'-7"	3W602.2	20		6'-7"	1'-0"	0'-0"																												
WINGWALL #4																																					
	16	4	5'-0"	4W401	STR			7'-0"																													
	6	4	7'-2"	4W401.2	20		0'-8"	6'-6"	0'-0"																												
	6	4	7'-3"	4W402.2	20		6'-7"	0'-8"	0'-0"																												
▲	10	4	9'-4"	4W403.2	19		7'-0"	2'-4"	0'-0"				4'-11"		4'-11"		7'-3"																				
▲	11	4	7'-8"	4W404.2	19		3'-10"	3'-10"	0'-0"				2'-9"		2'-9"		6'-7"																				
▲	10	4	9'-8"	4W405.2	19		4'-3"	5'-5"	0'-0"				3'-0"		3'-0"		8'-5"																				
▲	3	4	10'-7"	4W406.2	19	6'-6"	6'-4"	4'-3"	0'-0"			3'-0"	2'-6"		5'-10"		10'-1"																				
*	13	5	6'-6"	4W501	STR			7'-6"																													
8'-6"	6	6	8'-0"	4W601.2	20		1'-0"	7'-0"	0'-0"																												
	6	6	7'-7"	4W602.2	20		6'-7"	1'-0"	0'-0"																												
INLET HEADWALL																																					
	14	4	4'-4"	1A401.2	STR																																
▲	9	4	12'-0"	1A402.2	S10		5'-5"	1'-2"	5'-5"																												
▲	9	4	10'-2"	1A403.2	S10		4'-6"	1'-2"	4'-6"																												
OUTLET HEADWALL																																					
	14	4	4'-4"	2A401.2	STR																																
▲	10	4	12'-2"	2A402.2	S10		5'-6"	1'-2"	5'-6"																												
▲	10	4	8'-4"	2A403.2	S10		3'-7"	1'-2"	3'-7"																												

~ NOTES ~

- UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING NO. 18 SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31 (ASTM A 615-S1). ALL BARS SHALL BE GRADE 60, UNLESS OTHERWISE DESIGNATED.
- FOR TYPICAL BENDING DETAILS, RECOMMENDED PIN DIAMETER "D" OF BENDS AND HOOKS, AND OTHER STANDARD PRACTICE, SEE CURRENT CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE".
- BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
- "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
- "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
- WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
- ▲ DENOTES BARS TO BE CUT IN FIELD.
- * DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
- △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
- E IN BAR MARK PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS

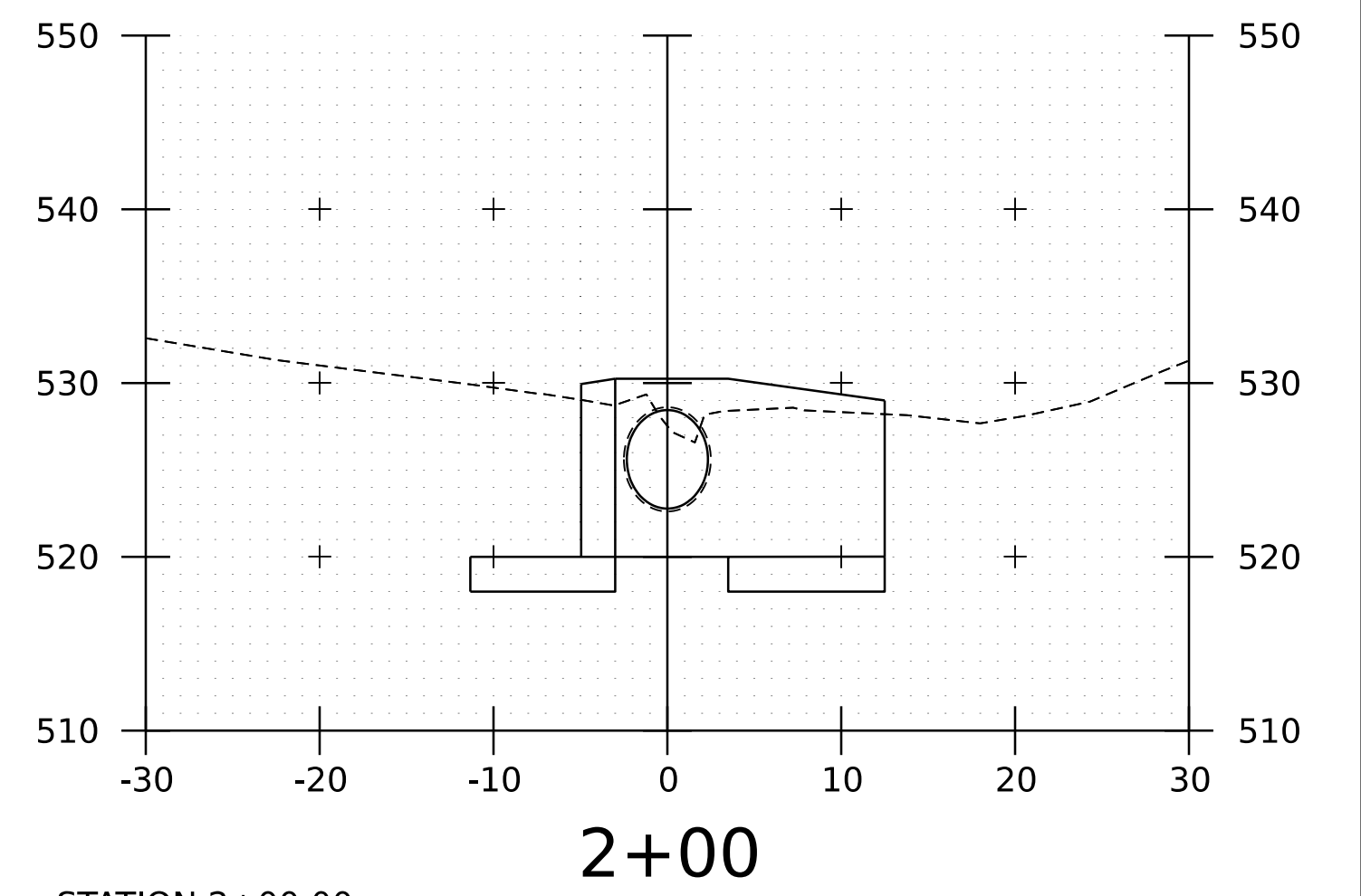
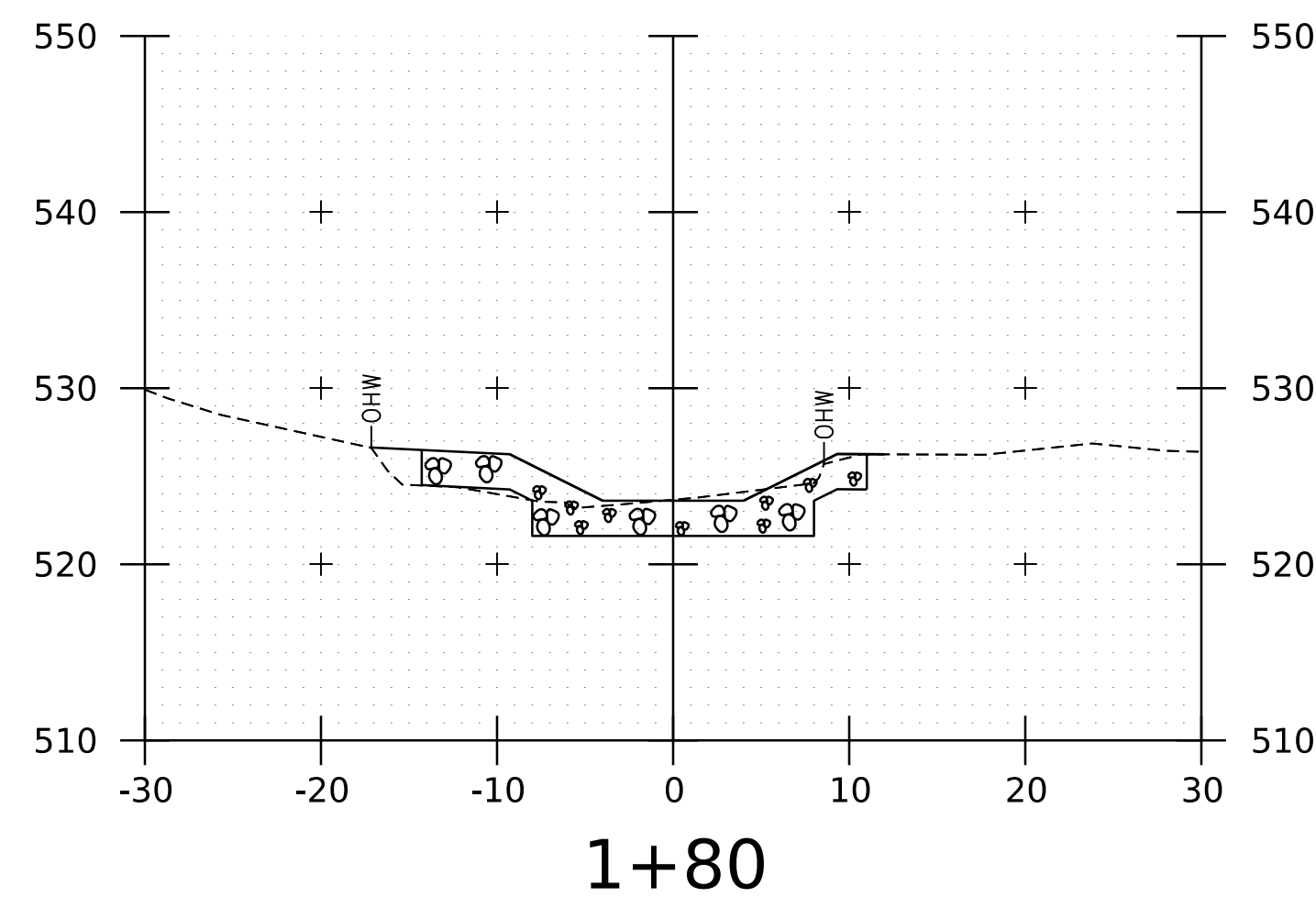
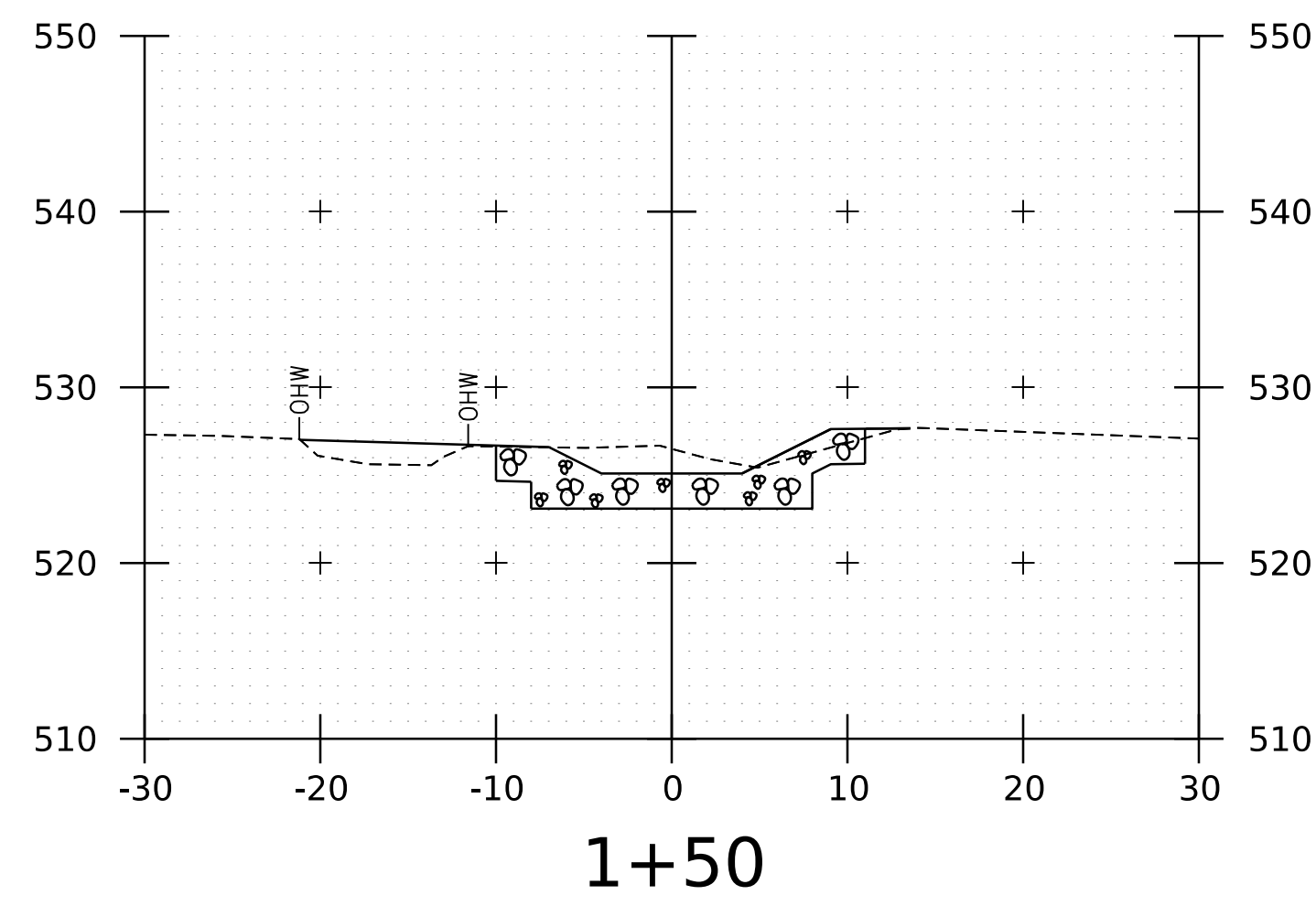
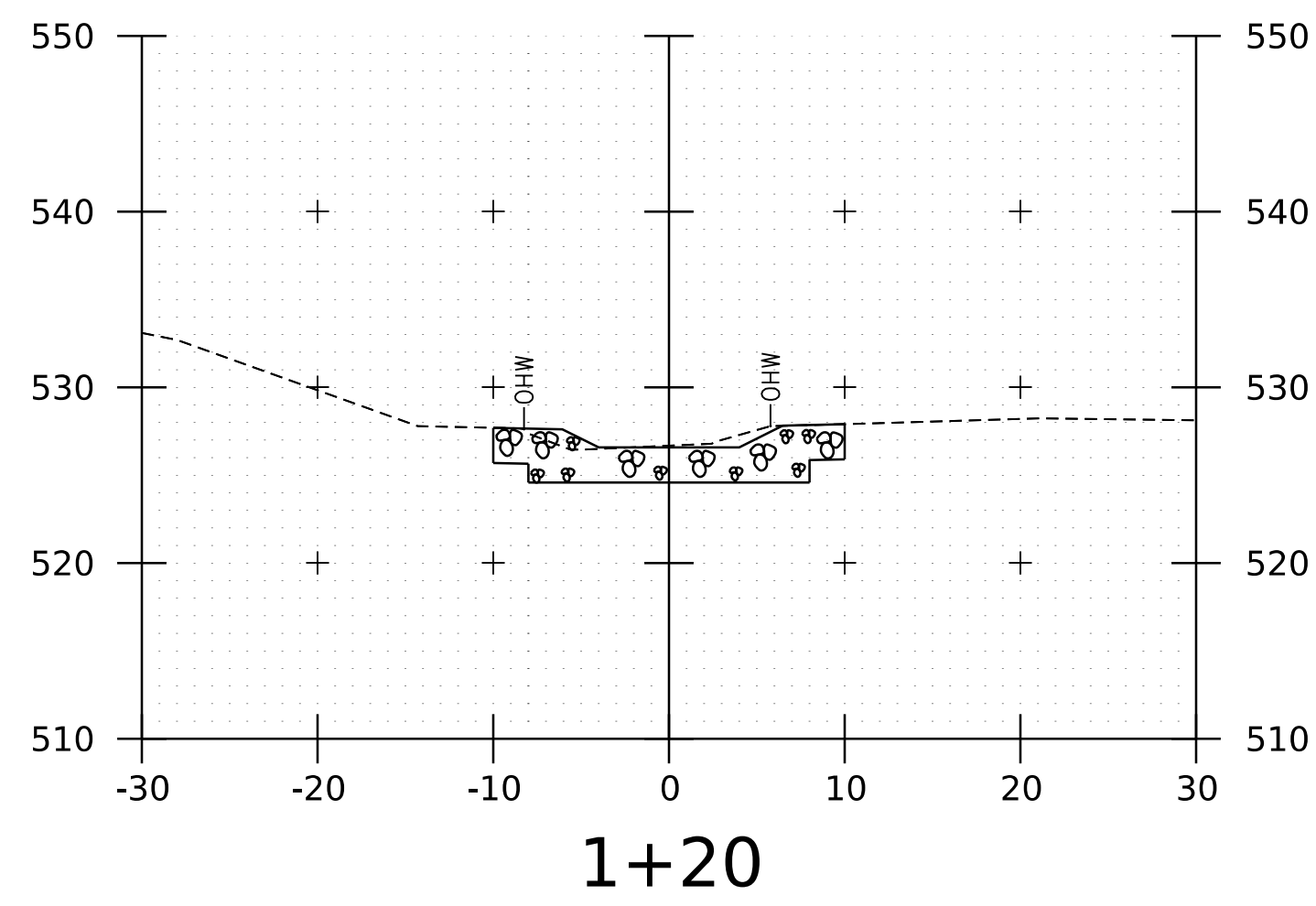
BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER INCHES	AREA INCHES ²	PERIMETER INCHES
#3	0.376	0.375	0.11	1.178
#4	0.668	0.500	0.20	1.571
#5	1.043	0.625	0.31	1.963
#6	1.502	0.750	0.44	2.356
#7	2.04	0.875	0.60	2.749
#8	2.670	1.000	0.79	3.14
#9	3.400	1.13	1.00	3.54
#10	4.3	1.270	1.27	3.990
#11	5.31	1.410	1.56	4.430
#14	7.65	1.69	2.25	5.32
#18	13.60	2.26	4.00	7.09

~ REINFORCING STEEL CORROSION RESISTANCE LEVEL ~

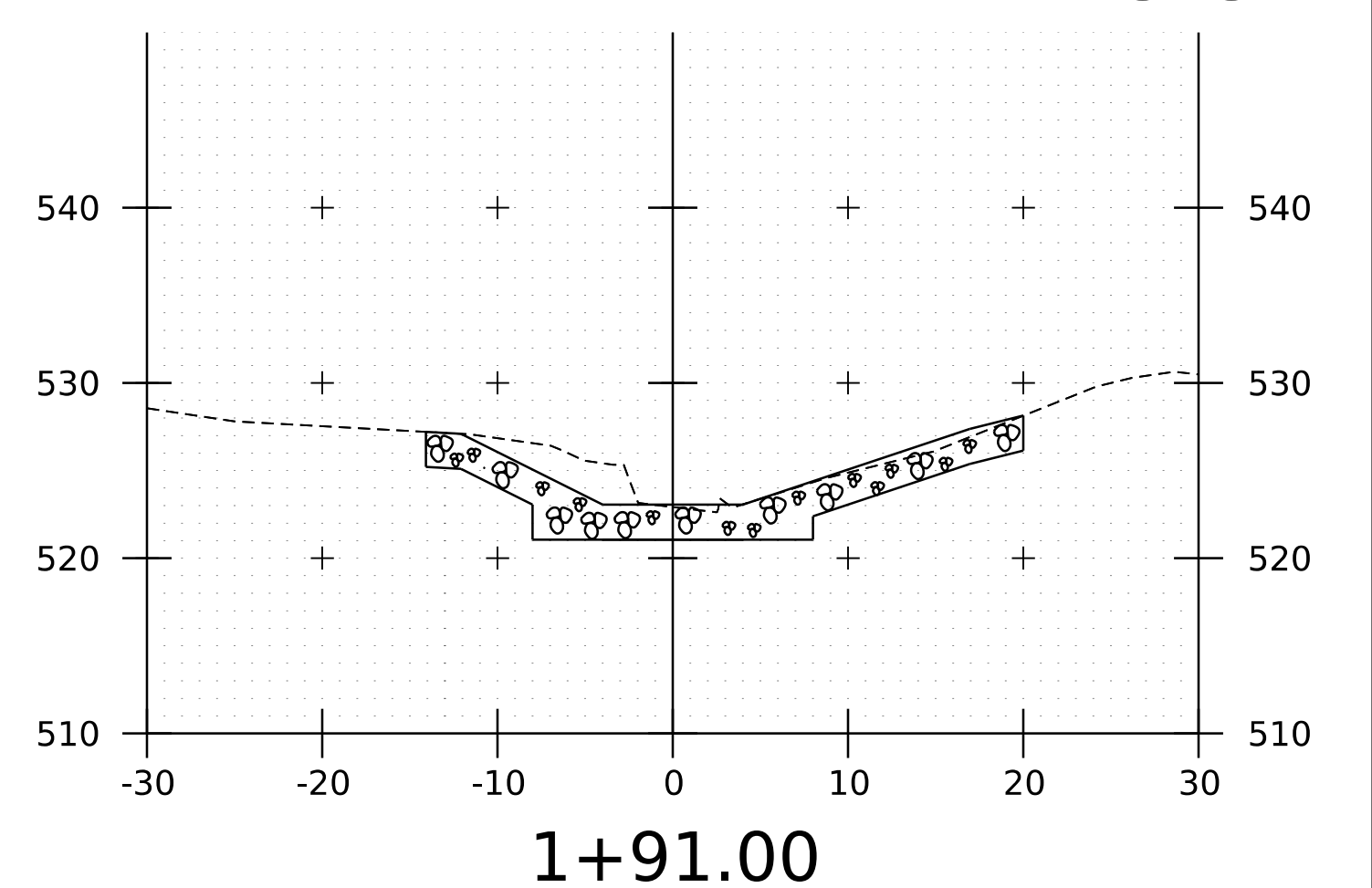
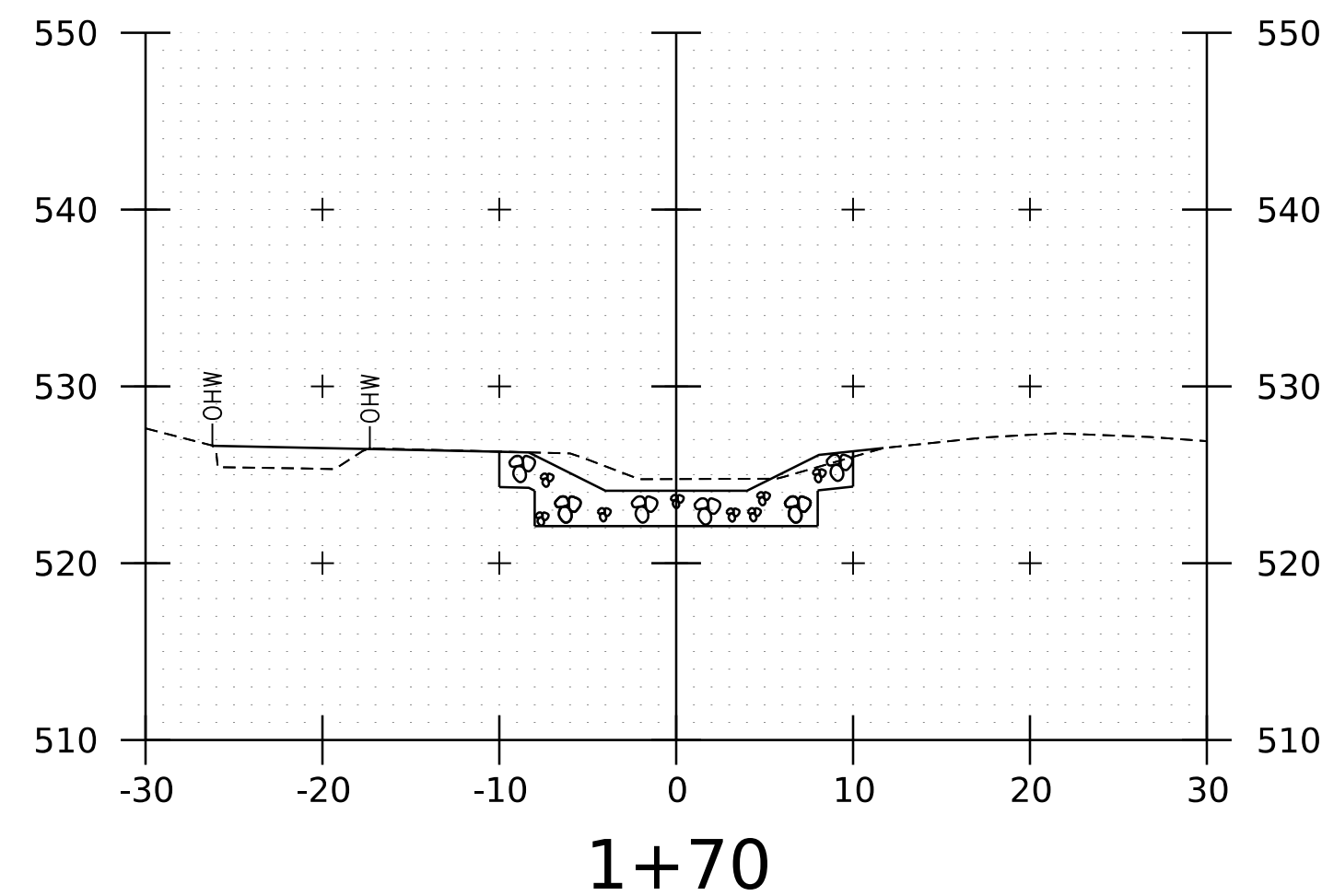
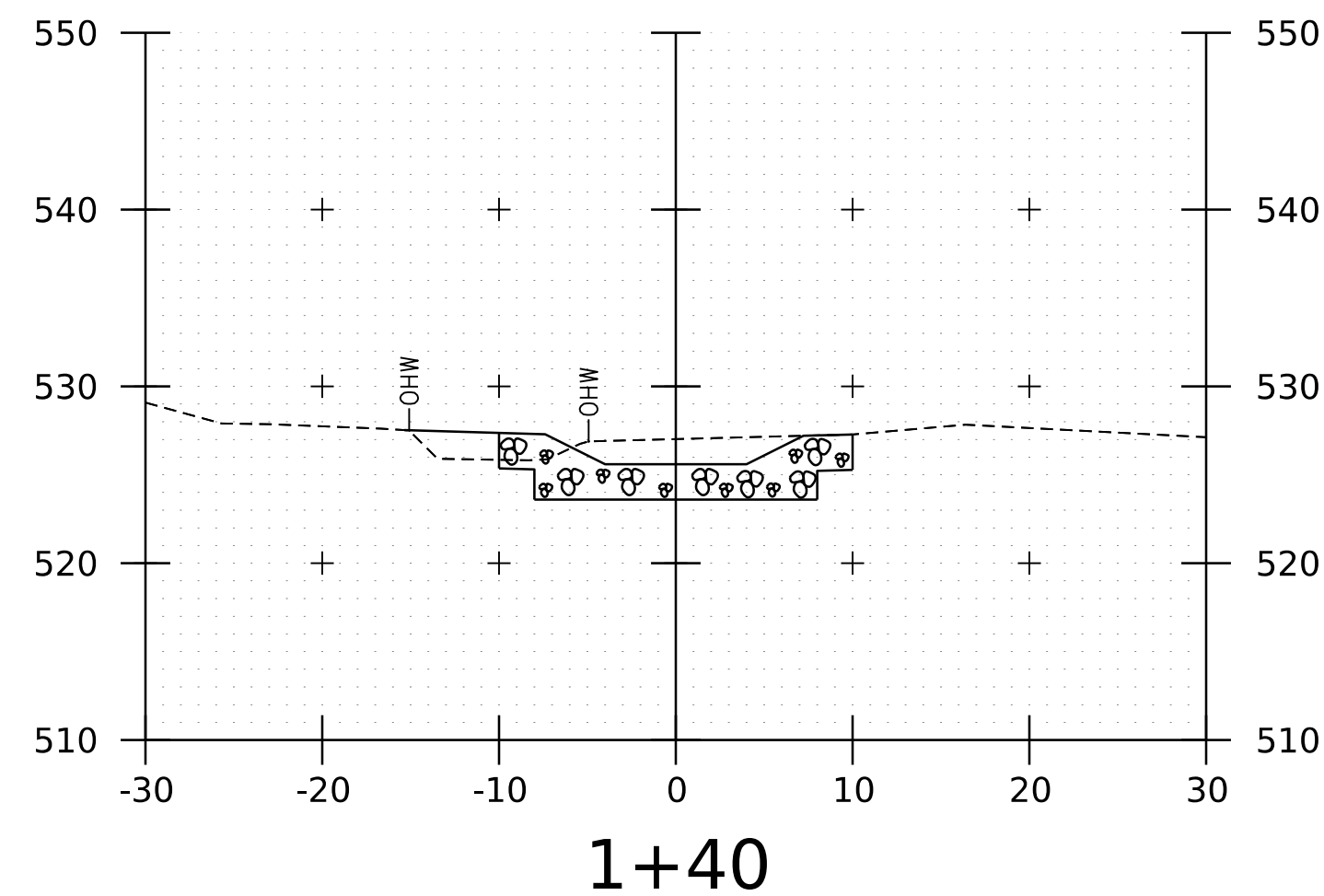
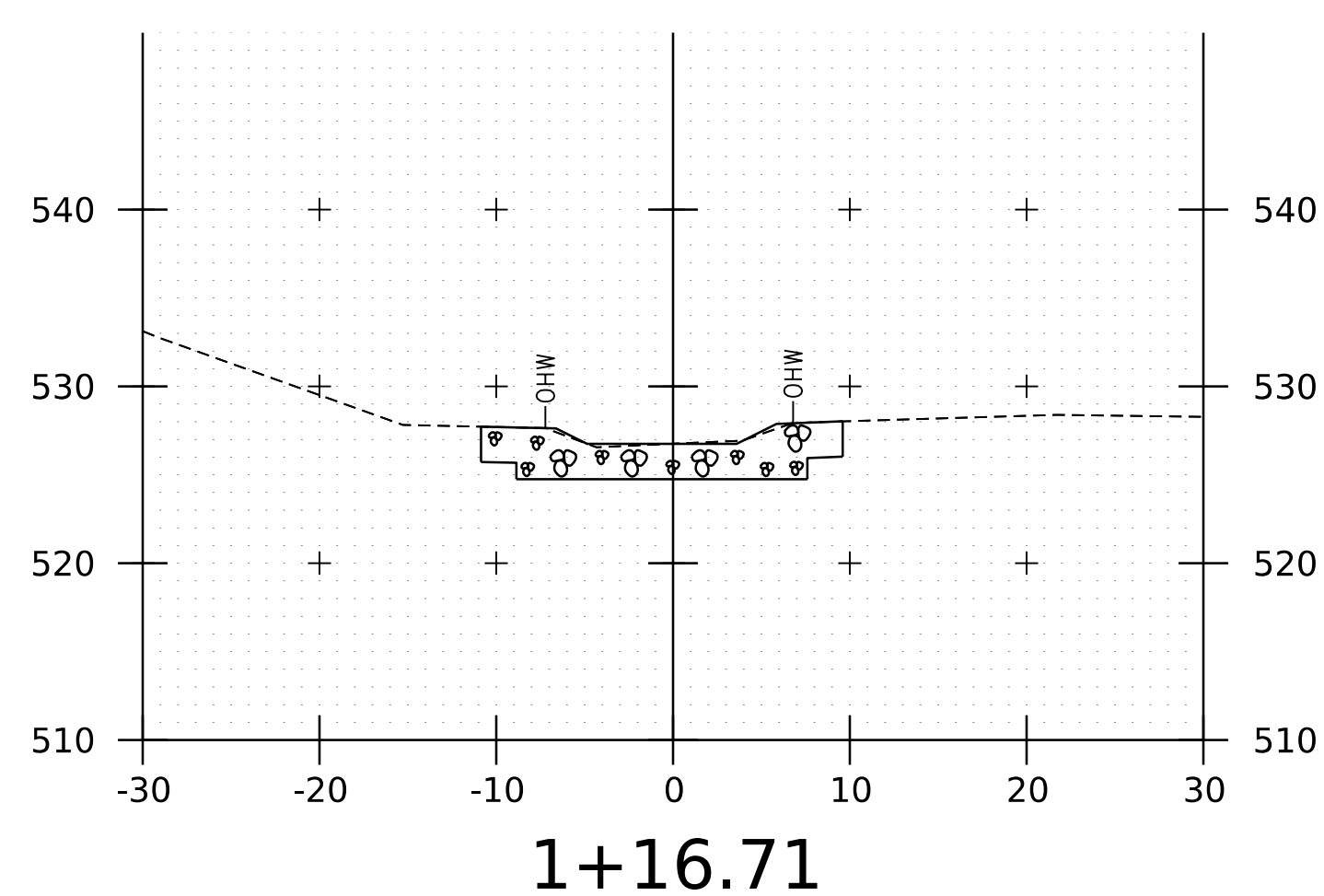
THE REINFORCING STEEL MARKS IN THIS SCHEDULE INDICATE THE REQUIRED BAR CORROSION RESISTANCE LEVEL. CORROSION RESISTANCE LEVEL IS DENOTED WITH A .2 FOR LEVEL TWO SUFFIX OR .3 FOR LEVEL THREE SUFFIX. .1 FOR LEVEL ONE IS TO BE OMITTED. THE BAR MATERIAL TYPE AND BAR STEEL GRADE PROVIDED FOR EACH CORROSION LEVEL WILL BE RECORDED ON THE PLAN SET P1 SHEET FOR AS-BUILT RECORD PLAN ARCHIVES.

PROJECT NAME:	ROCKINGHAM	PLOT DATE:	3/10/2025
PROJECT NUMBER:	IM 091-1(81)	DRAWN BY:	K. SCHWEIZER
FILE NAME:	z19a190.rss.dgn	CHECKED BY:	T. POULIN
PROJECT MANAGER:	T. POULIN	DESIGNED BY:	K. SCHWEIZER
REINFORCING STEEL SCHEDULE SHEET #1		SHEET 24 OF 29	

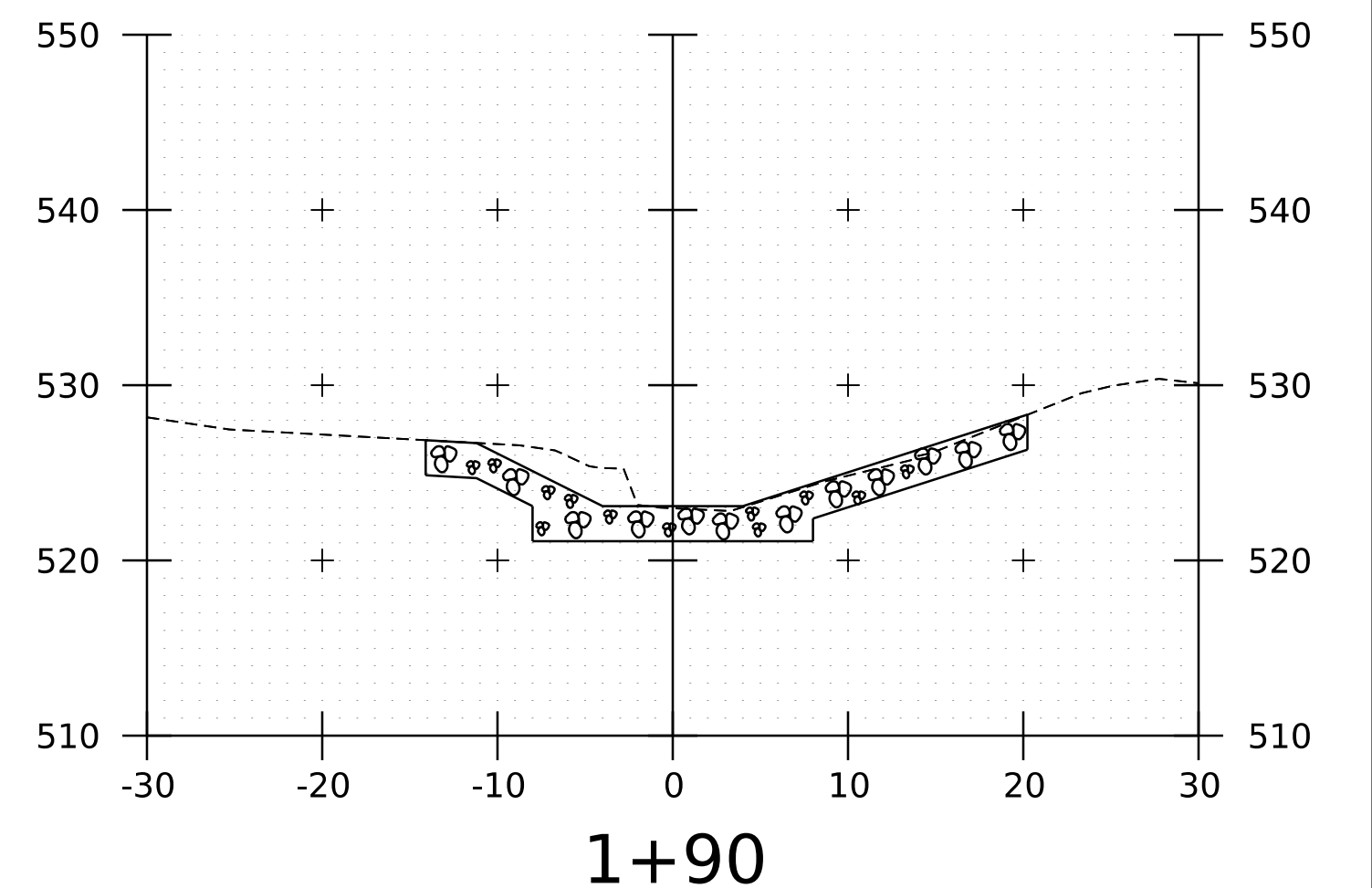
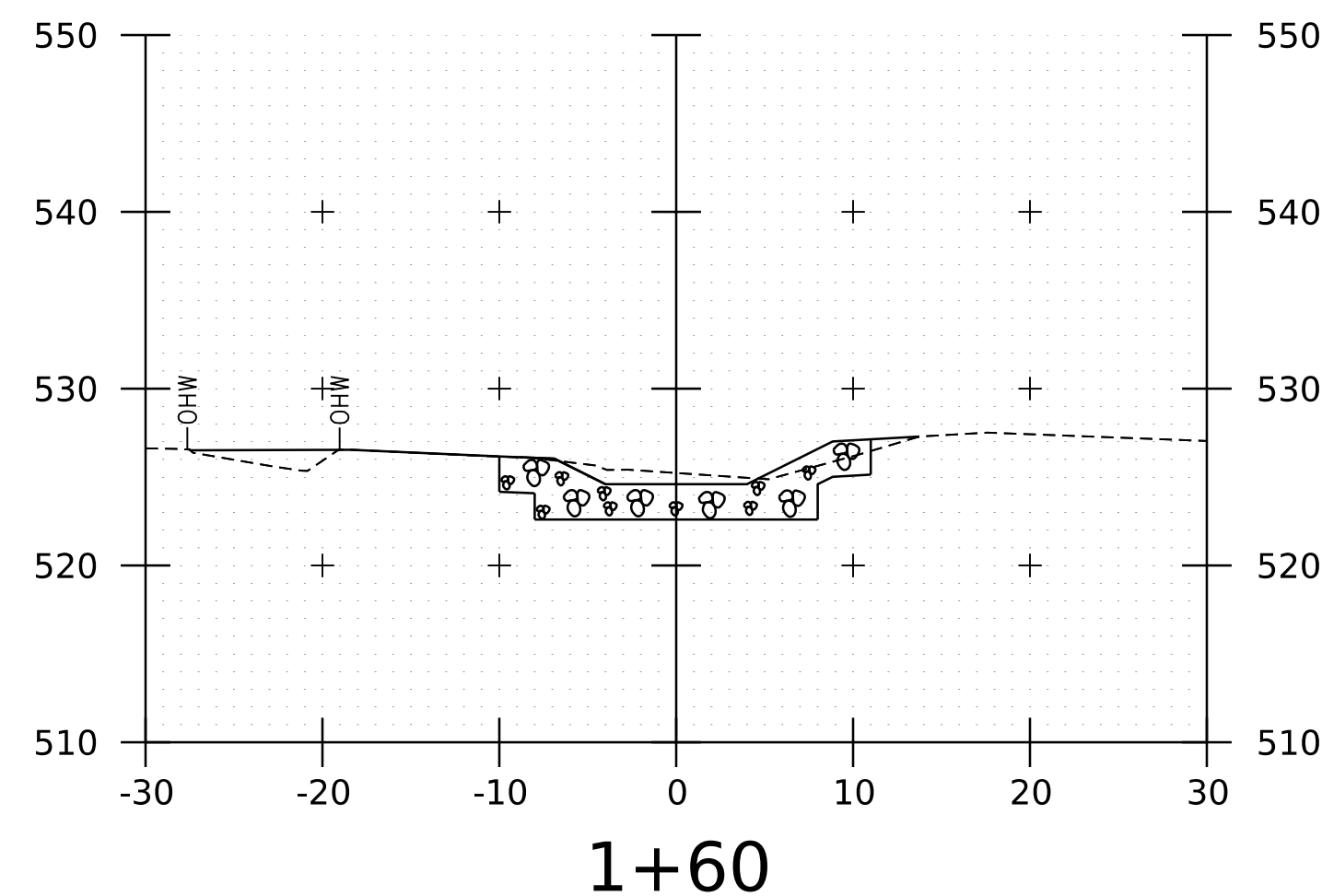
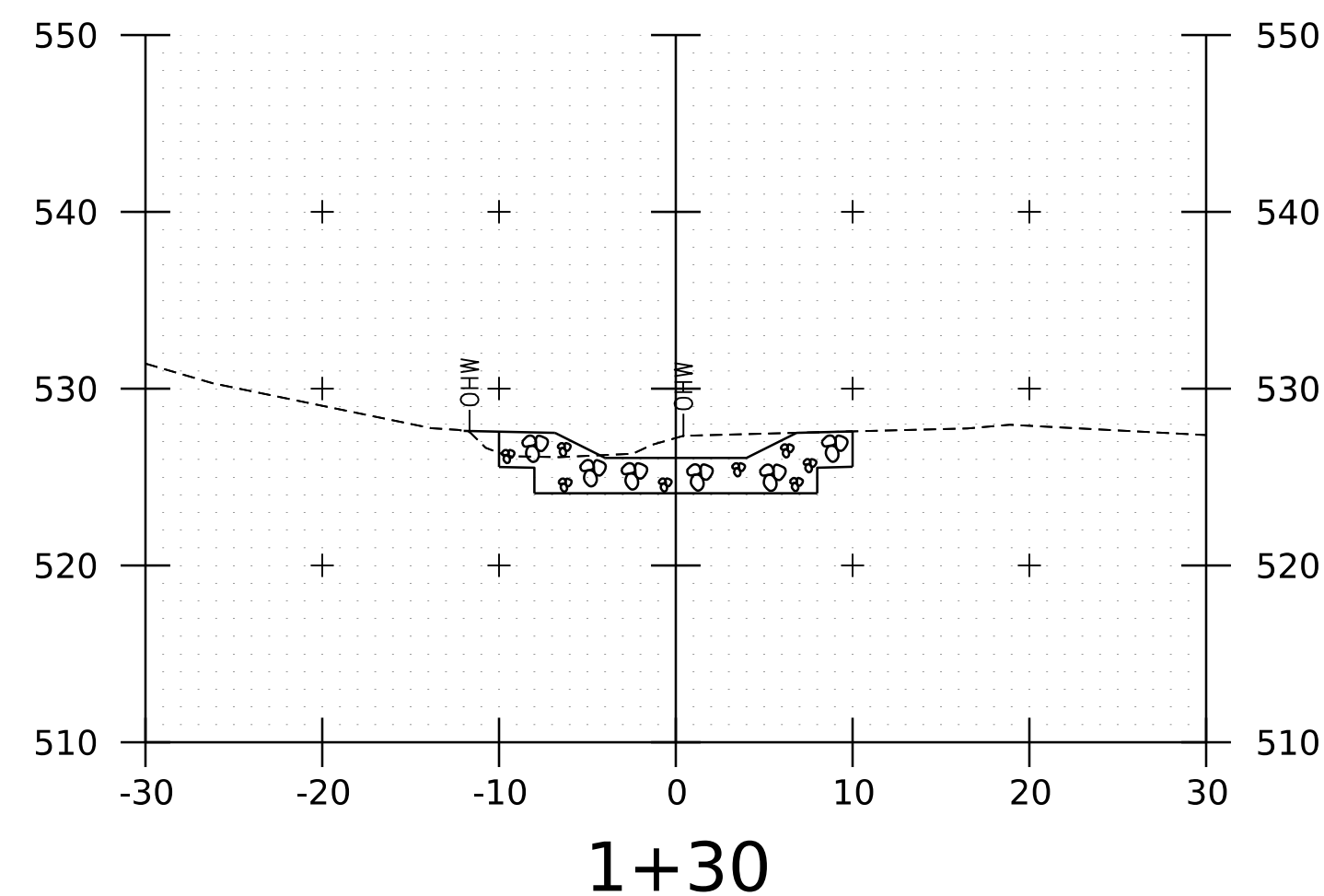
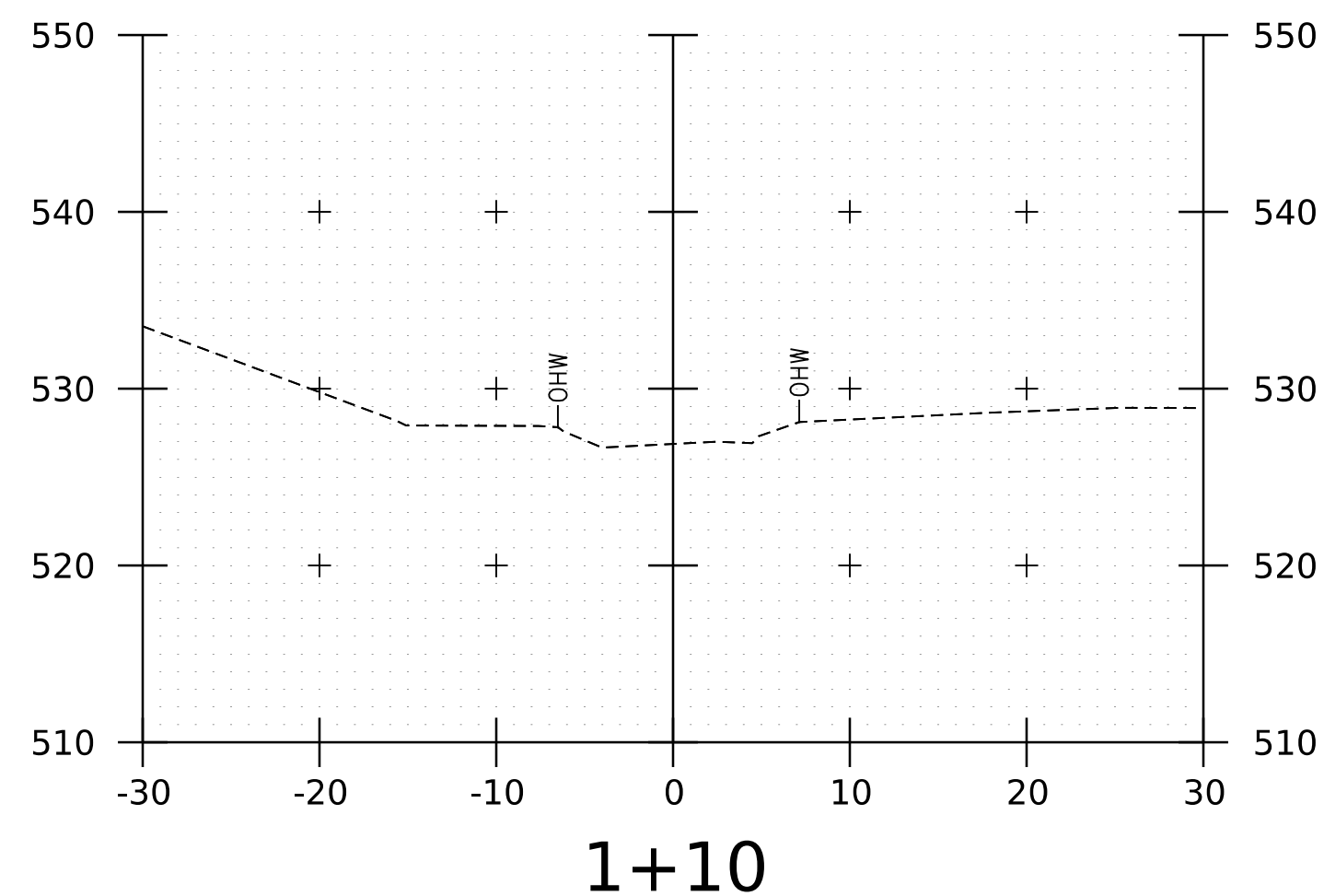
ADDENDUM	REVISION	DATE	DESCRIPTION	BY
2	I	05-11-2026	REVISED REBAR LENGTHS	ERB



STATION 2+00.00
 END UNCLASSIFIED CHANNEL EXCAVATION
 END E-STONE FILL, TYPE II
 END GRUBBING MATERIAL
 BEGIN CURED-IN-PLACE PIPE LINER, ULTRAVIOLET (EXISTING 72 X 60 INCH)



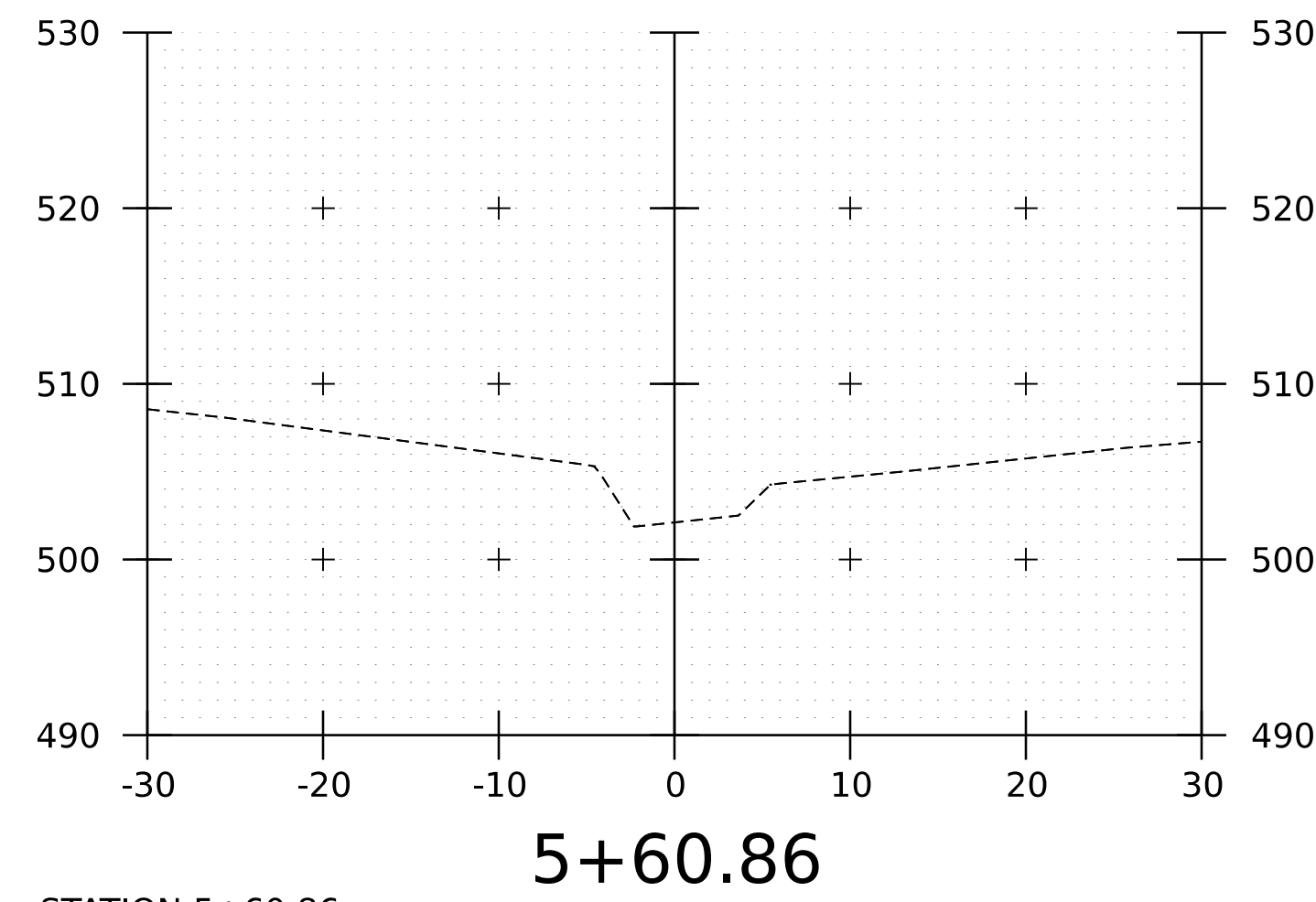
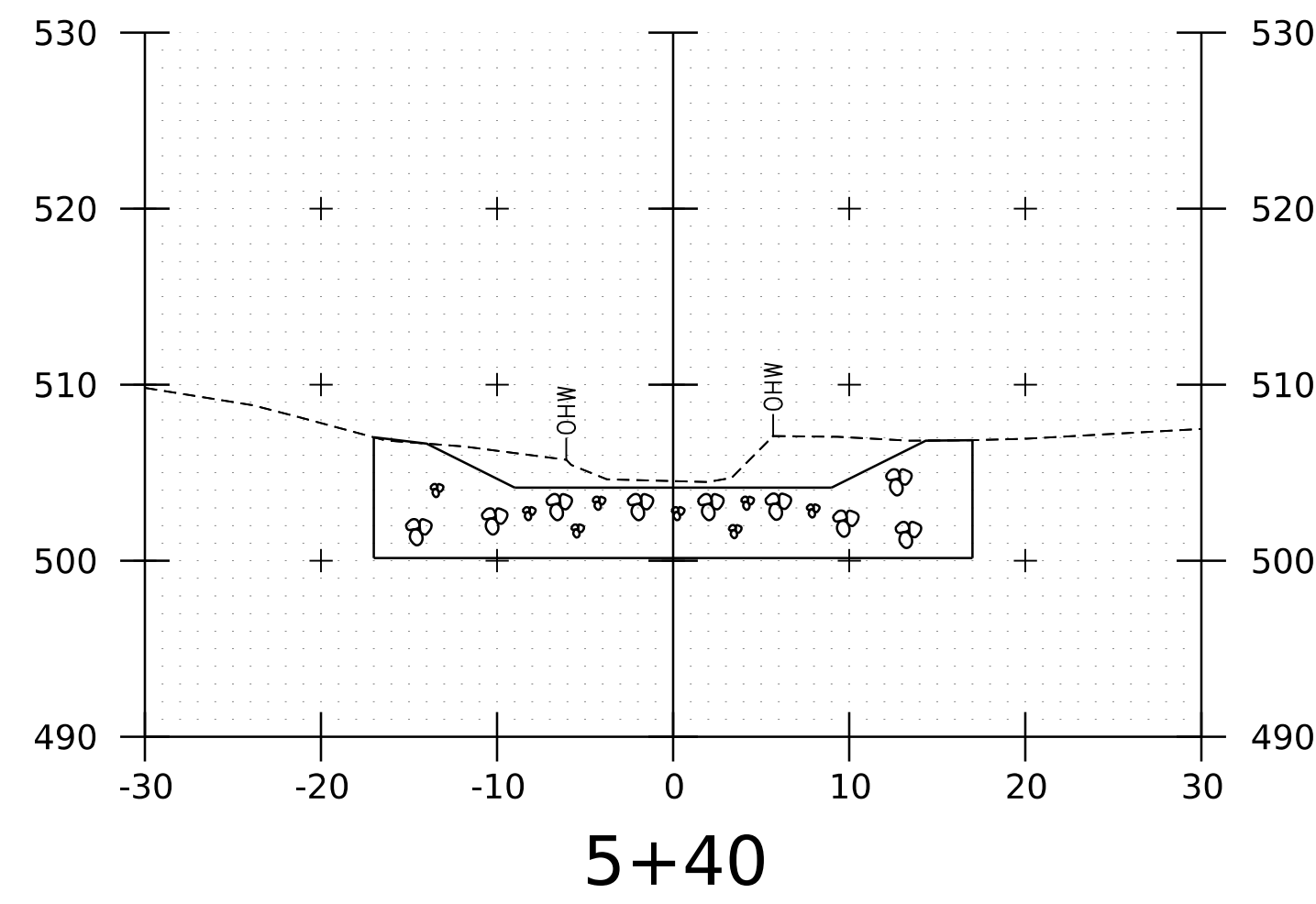
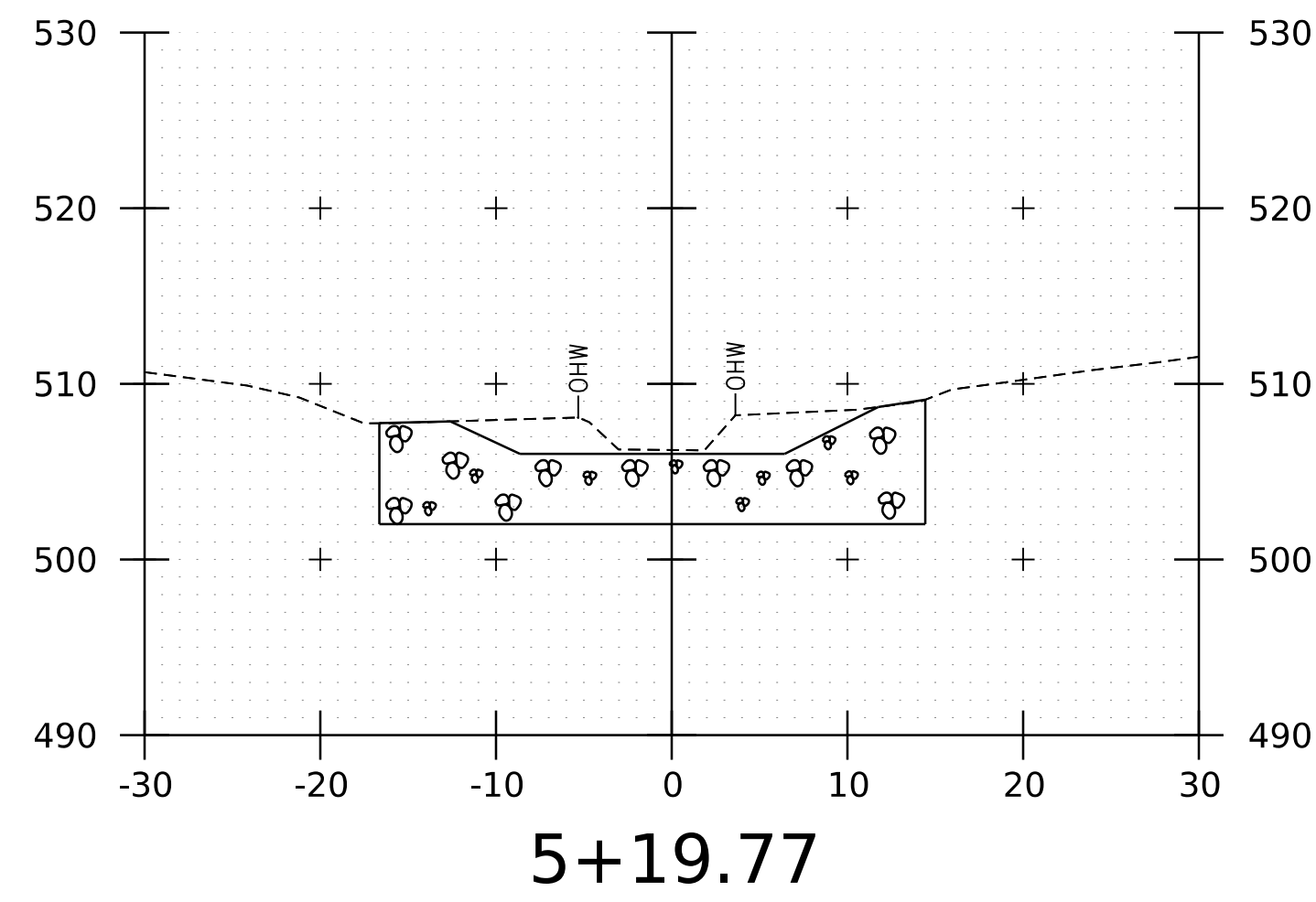
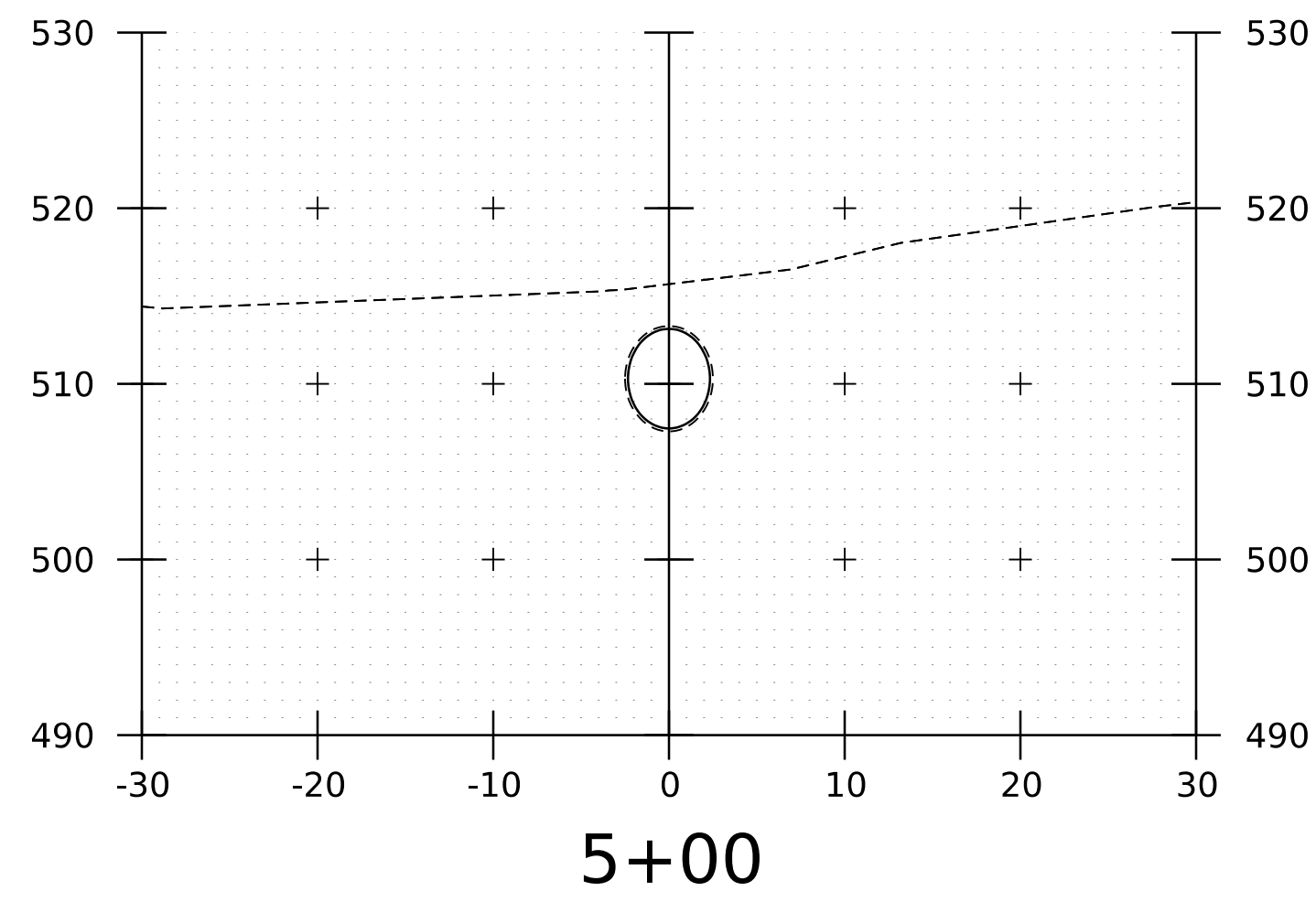
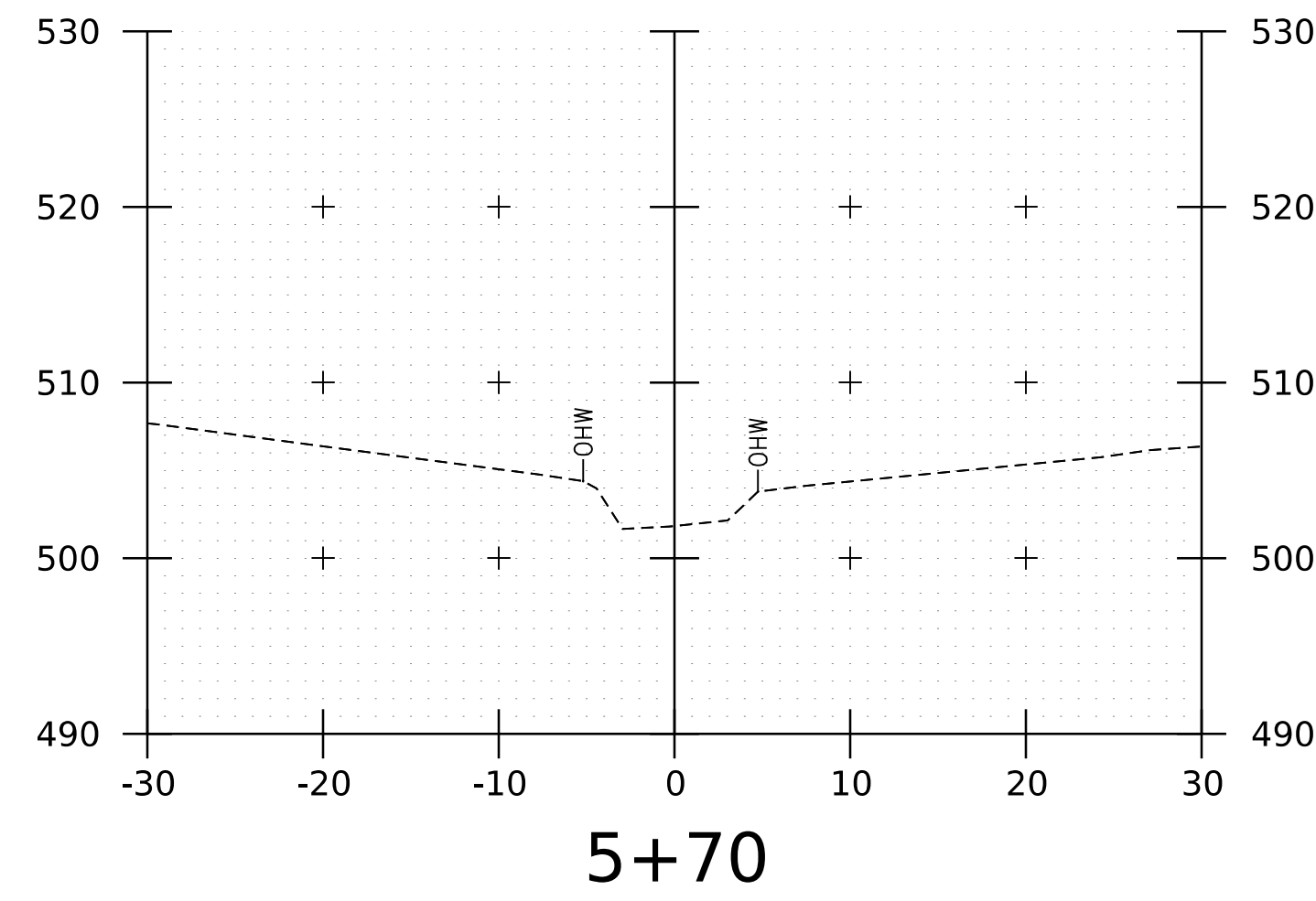
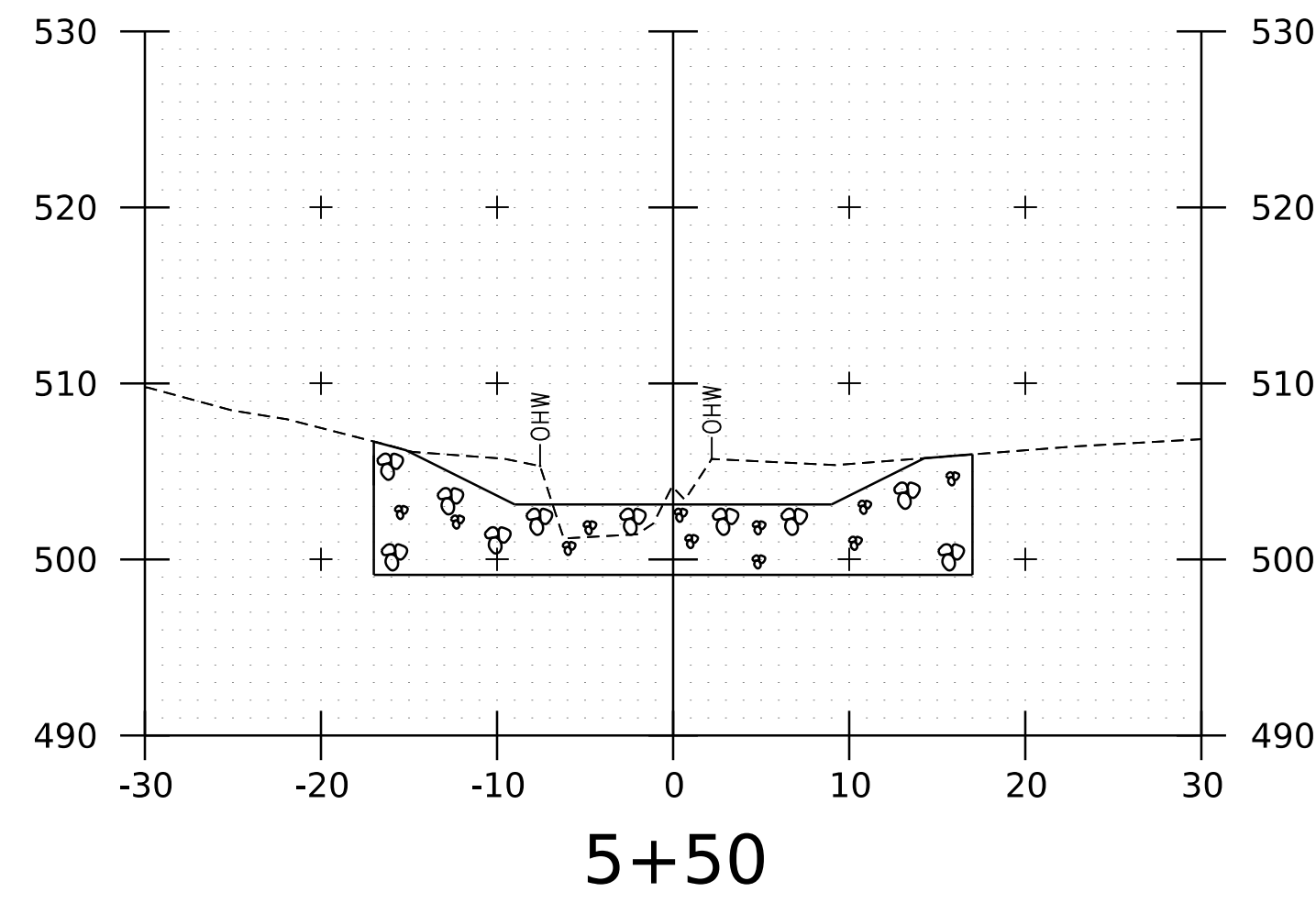
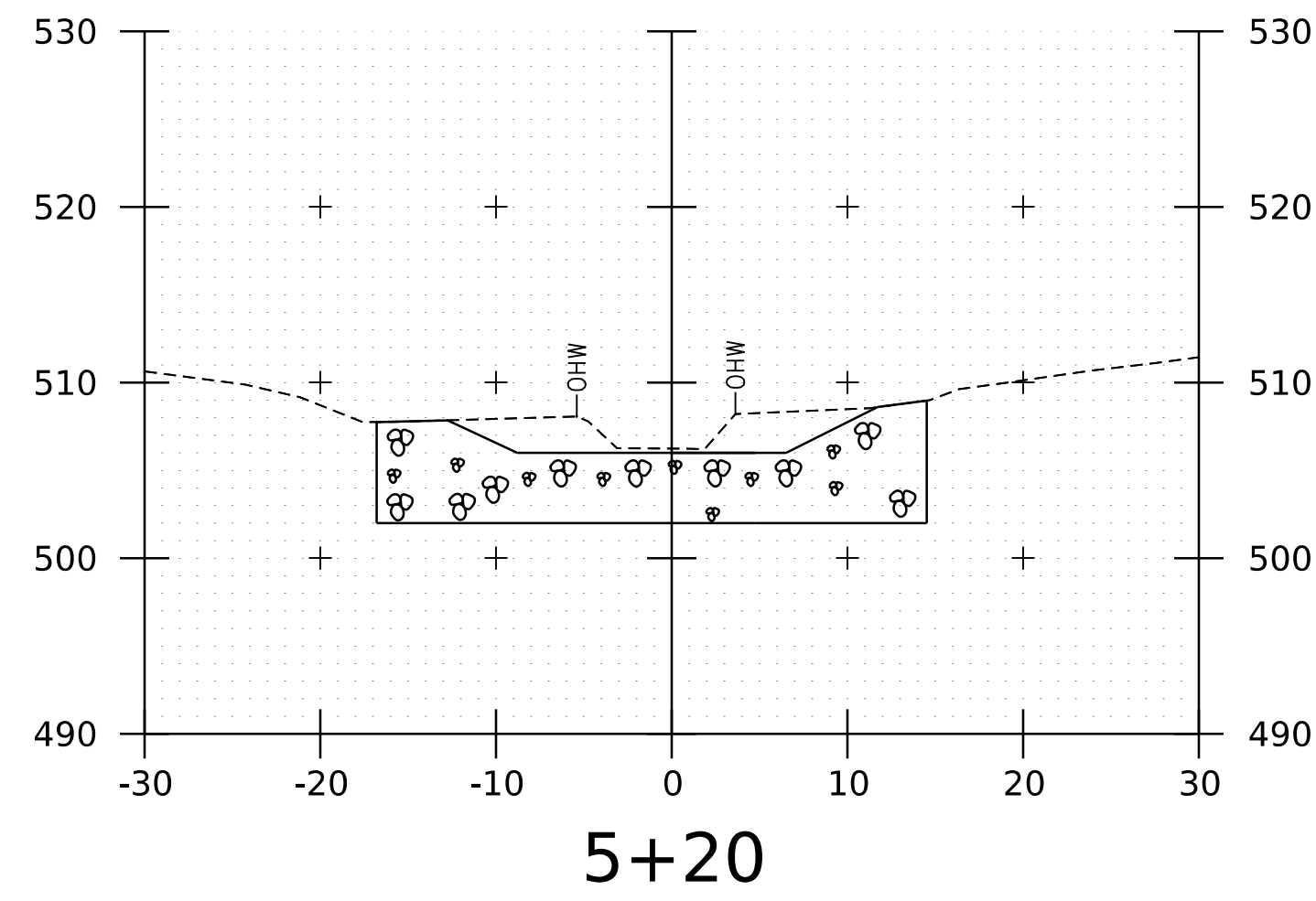
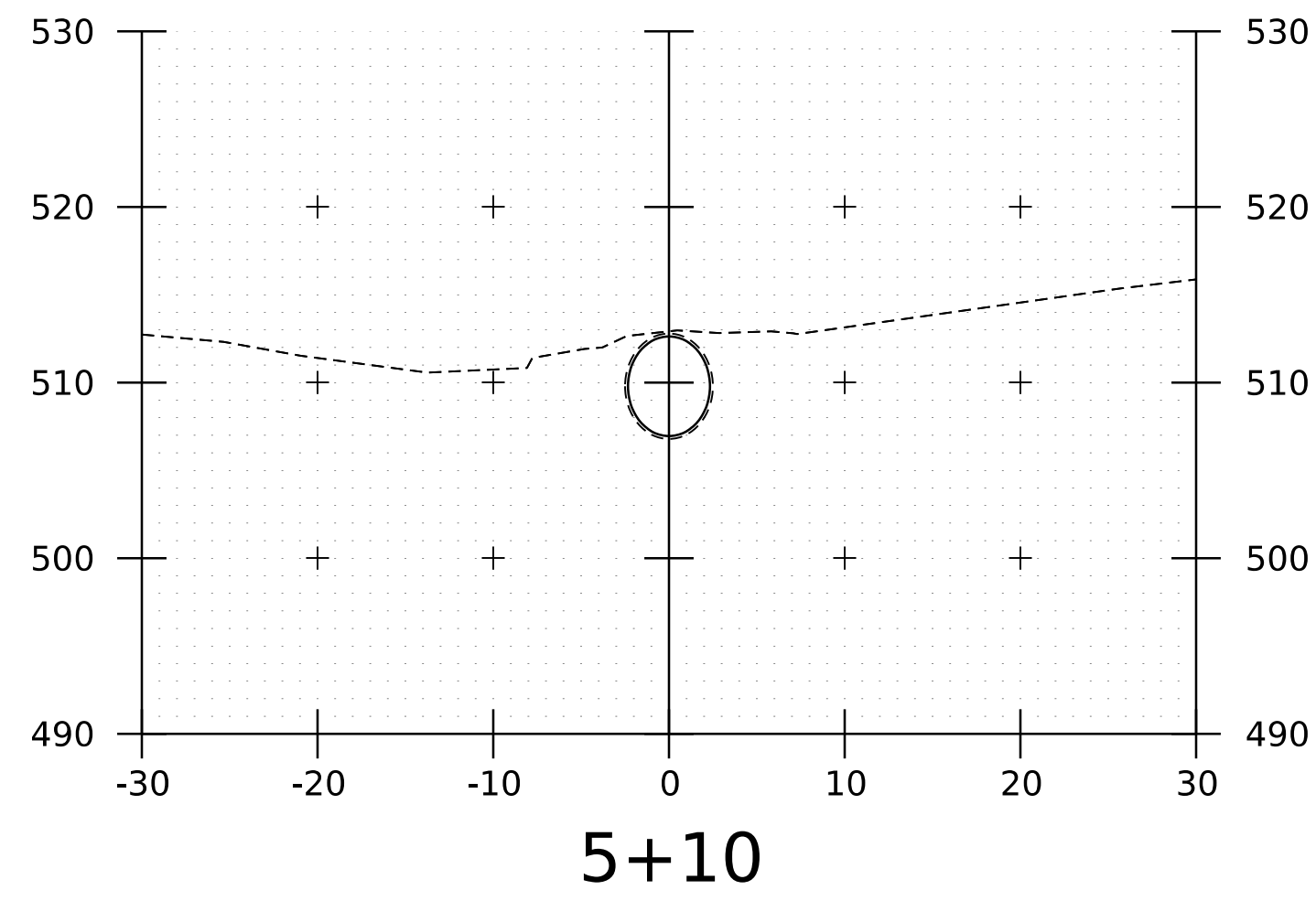
STATION 1+16.71
 BEGIN UNCLASSIFIED CHANNEL EXCAVATION
 BEGIN E-STONE FILL, TYPE II
 BEGIN GRUBBING MATERIAL



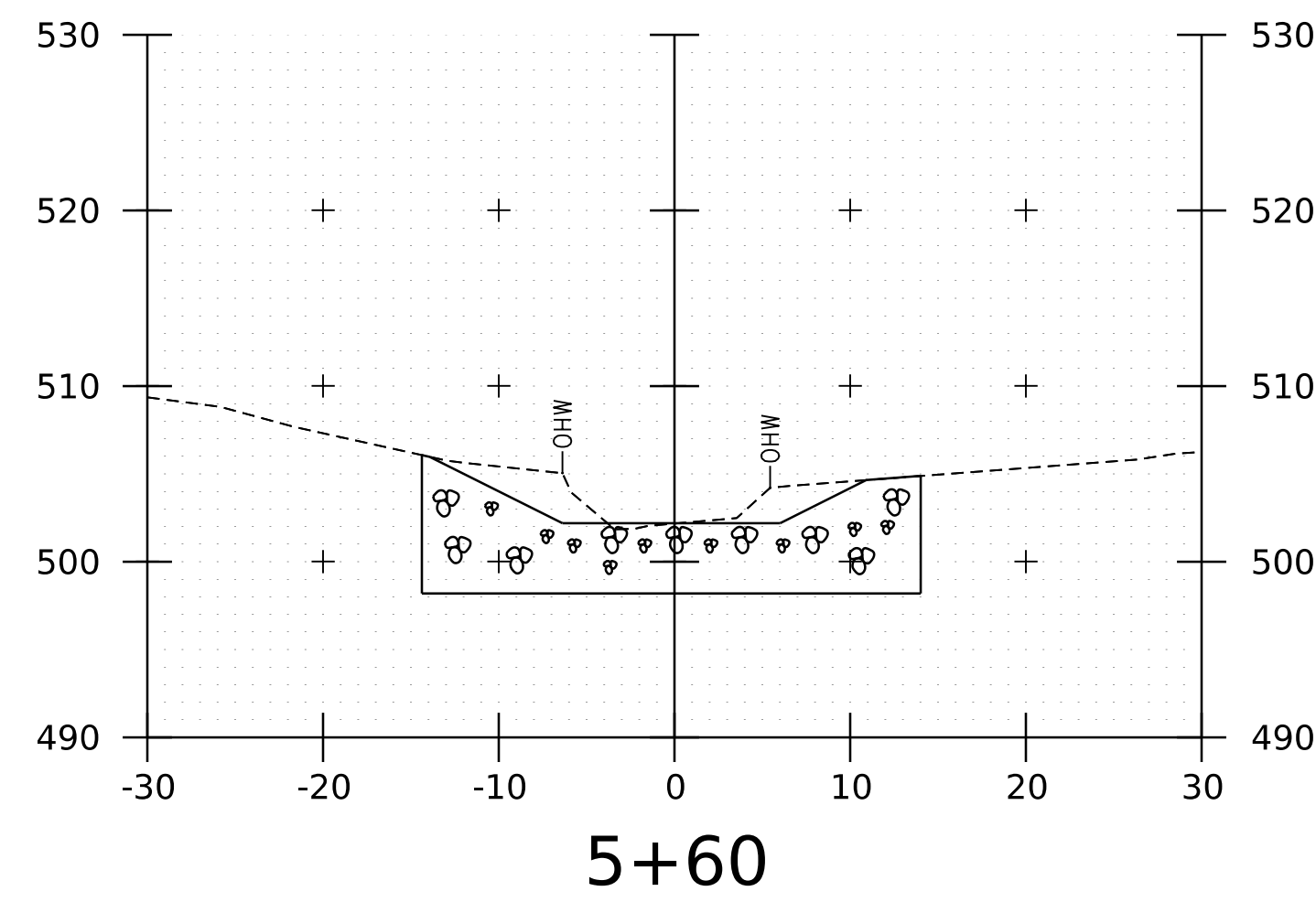
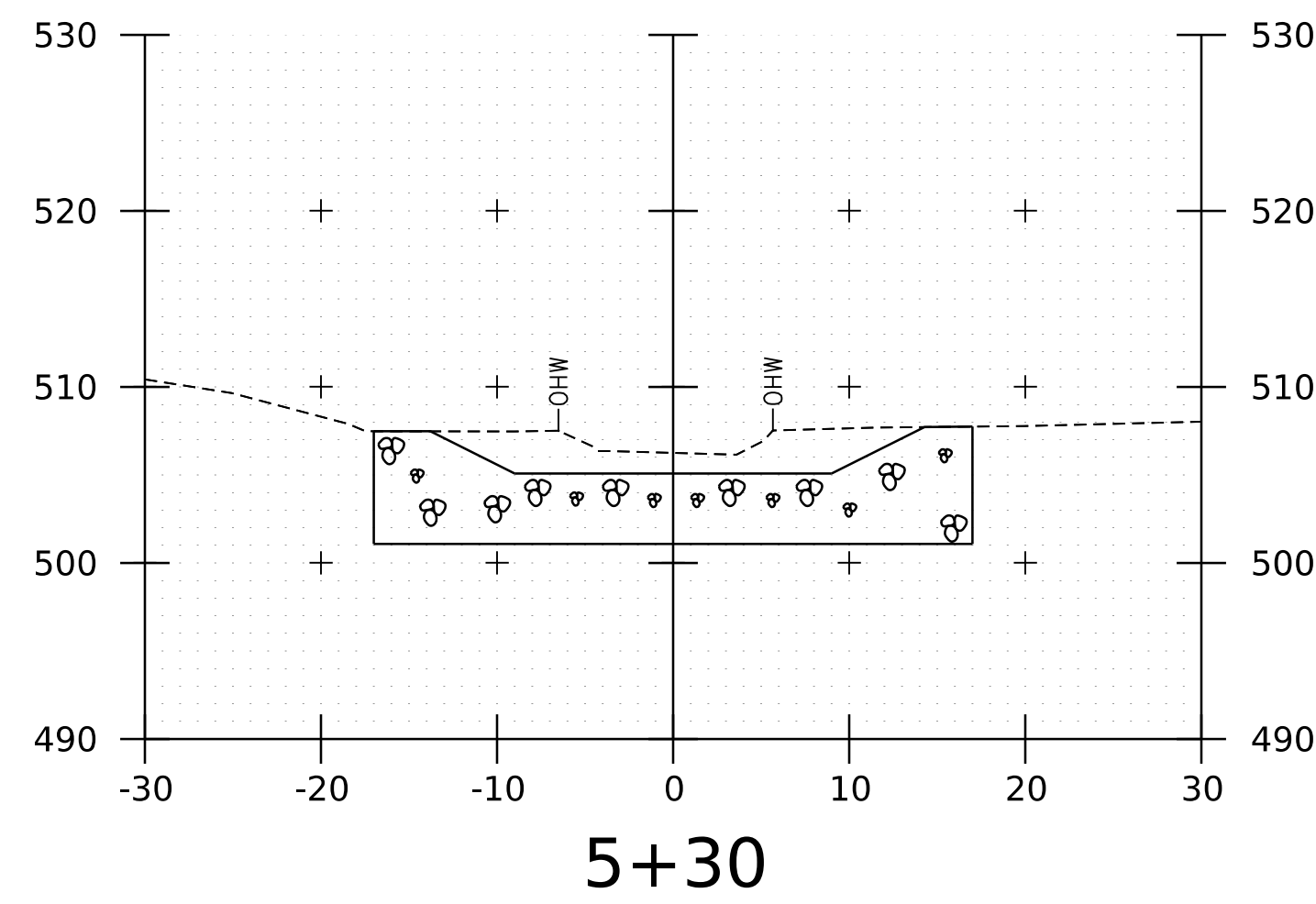
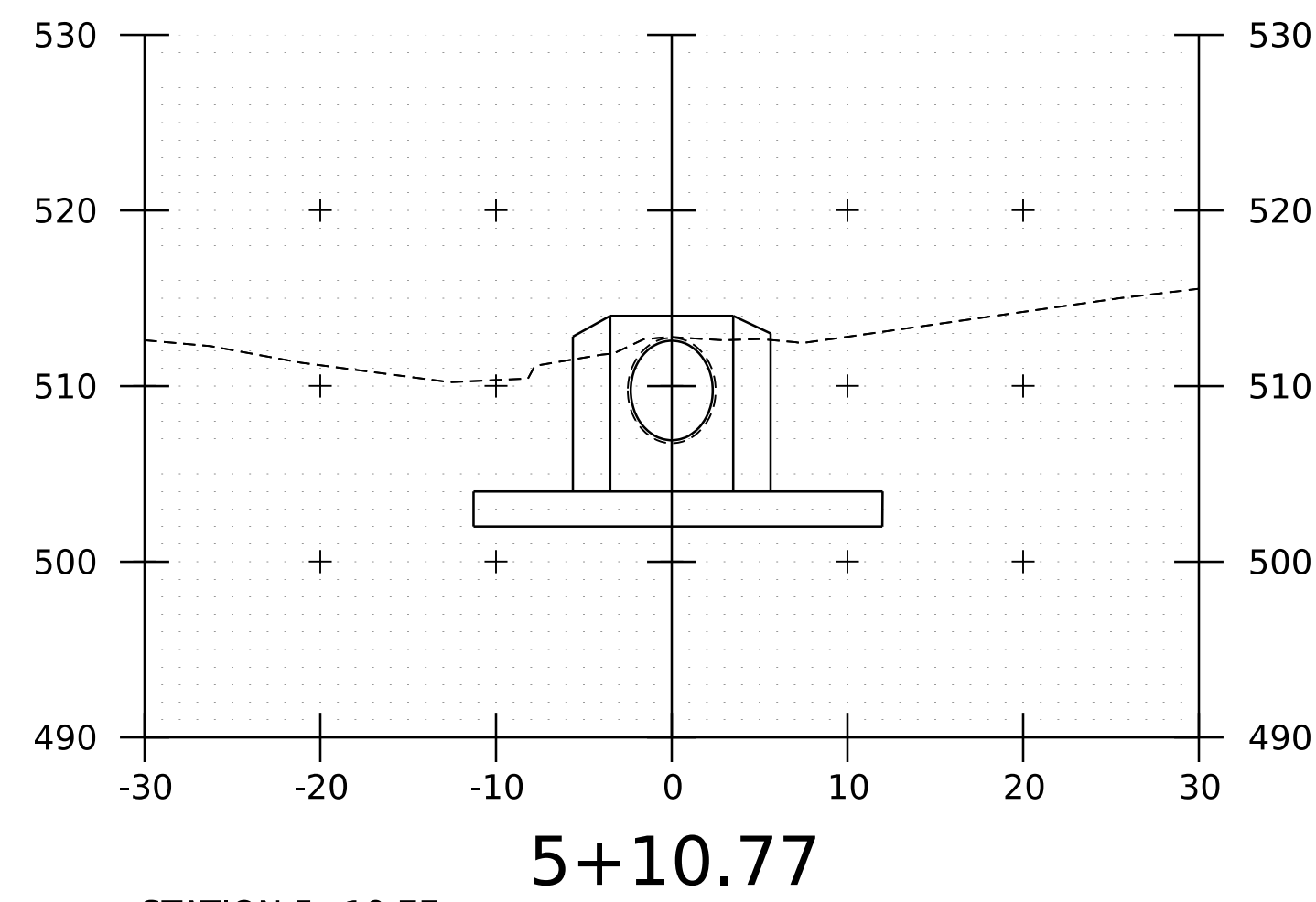
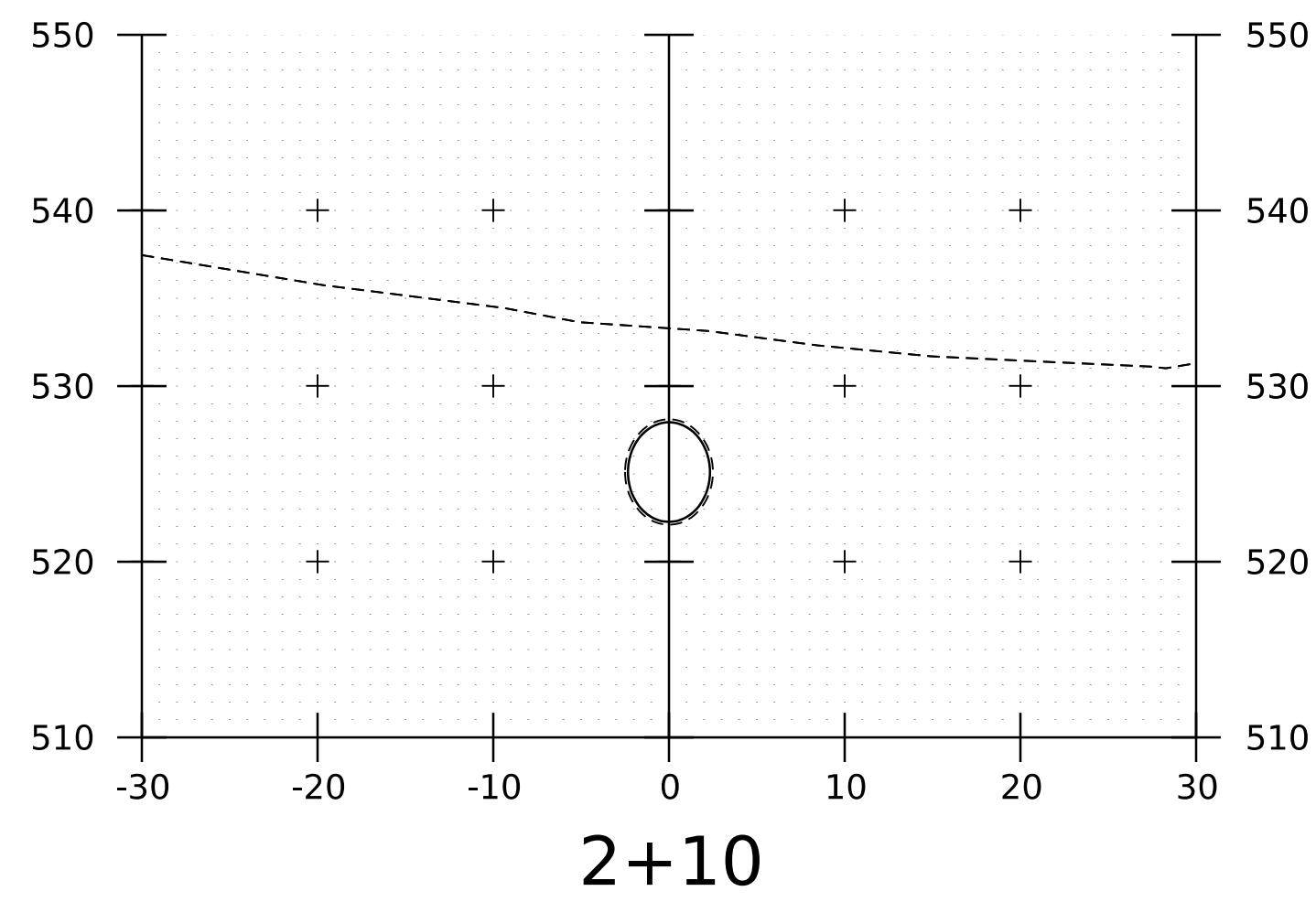
ADDENDUM	REVISION	DATE	DESCRIPTION	BY
2	I	05-11-2026	REVISED CULVERT SIZE	ERB

STA. 1+10 TO STA. 2+00

PROJECT NAME: ROCKINGHAM
 PROJECT NUMBER: IM 091-1(89)
 FILE NAME: z19a190xs_chan.dgn
 PROJECT LEADER: T. POULIN
 DESIGNED BY: P. MCKECHNIE
 CHANNEL CROSS SECTIONS I
 PLOT DATE: 12-MAY-2026
 DRAWN BY: P. MCKECHNIE
 CHECKED BY: T. POULIN
 SHEET 25 OF 29



STATION 5+60.86
 END UNCLASSIFIED CHANNEL EXCAVATION
 END E-STONE FILL, TYPE IV
 END OUTLET ENERGY DISSIPATOR (SEE DETAIL ON TYPICAL SECTIONS 2)
 END GRUBBING MATERIAL



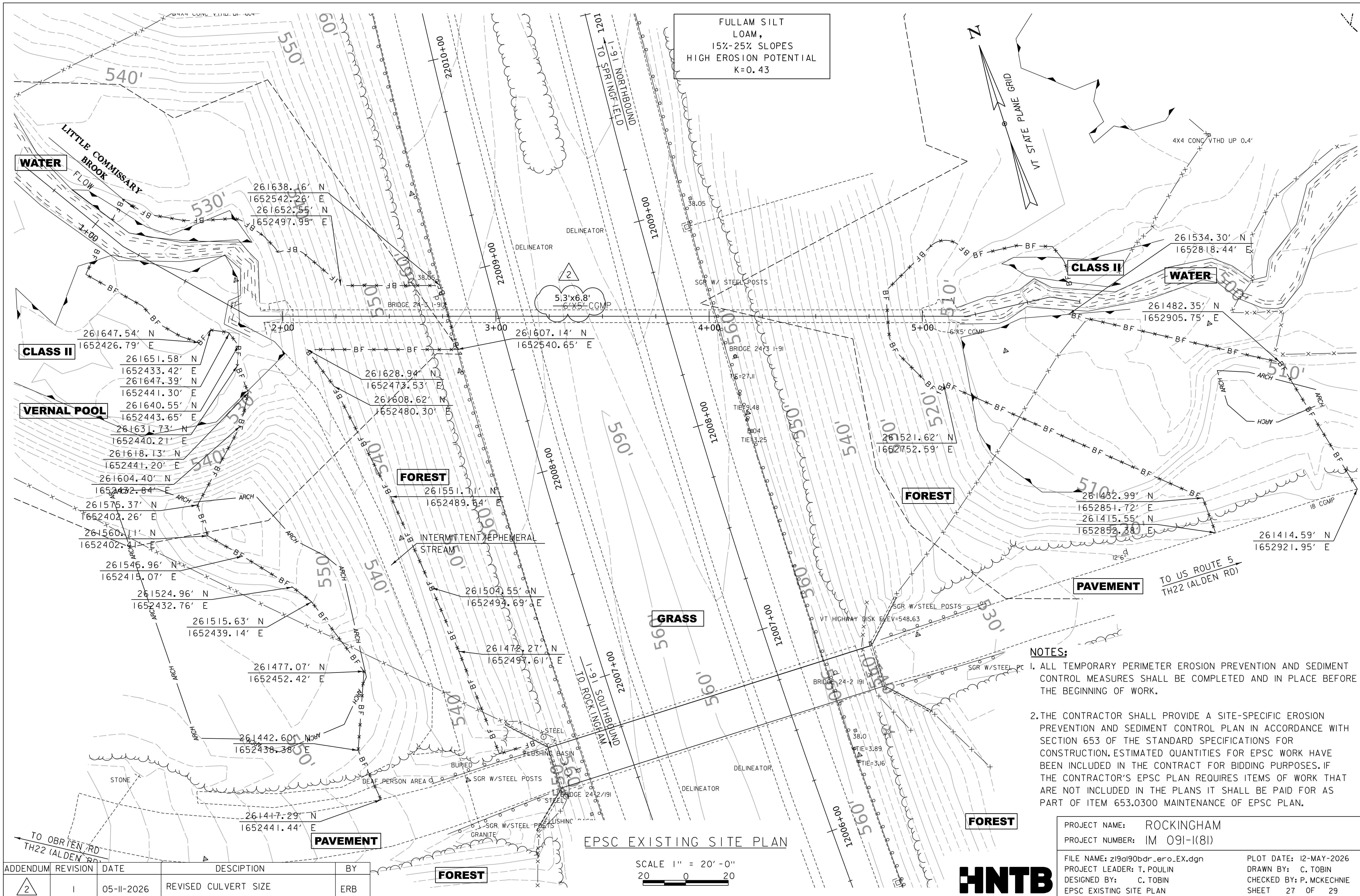
STATION 5+10.77
 BEGIN UNCLASSIFIED CHANNEL EXCAVATION
 BEGIN E-STONE FILL, TYPE IV
 BEGIN OUTLET ENERGY DISSIPATOR (SEE DETAIL ON TYPICAL SECTIONS 2)
 BEGIN GRUBBING MATERIAL
 END CURED-IN-PLACE PIPE LINER, ULTRAVIOLET (EXISTING 72 X 60 INCH)

5.3x6.8 FEET
 72 X 60 INCH

STA. 2+10 TO STA. 5+70

ADDENDUM	REVISION	DATE	DESCRIPTION	BY
2	I	05-11-2026	REVISED CULVERT SIZE	ERB

PROJECT NAME: ROCKINGHAM	PLOT DATE: 12-MAY-2026
PROJECT NUMBER: IM 091-1(89)	DRAWN BY: P. MCKECHNIE
FILE NAME: z19a190xs_chan.dgn	CHECKED BY: S. SPEAR
PROJECT LEADER: T. POULIN	SHEET 26 OF 29
DESIGNED BY: P. MCKECHNIE	
CHANNEL CROSS SECTIONS 2	



FULLAM SILT
LOAM,
15%-25% SLOPES
HIGH EROSION POTENTIAL
K=0.43



WATER

CLASS II

VERNAL POOL

FOREST

GRASS

PAVEMENT

FOREST

EPSC EXISTING SITE PLAN

SCALE 1" = 20' - 0"
20 0 20

- NOTES:**
1. ALL TEMPORARY PERIMETER EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE COMPLETED AND IN PLACE BEFORE THE BEGINNING OF WORK.
 2. THE CONTRACTOR SHALL PROVIDE A SITE-SPECIFIC EROSION PREVENTION AND SEDIMENT CONTROL PLAN IN ACCORDANCE WITH SECTION 653 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION. ESTIMATED QUANTITIES FOR EPSC WORK HAVE BEEN INCLUDED IN THE CONTRACT FOR BIDDING PURPOSES. IF THE CONTRACTOR'S EPSC PLAN REQUIRES ITEMS OF WORK THAT ARE NOT INCLUDED IN THE PLANS IT SHALL BE PAID FOR AS PART OF ITEM 653.0300 MAINTENANCE OF EPSC PLAN.

PROJECT NAME: ROCKINGHAM
PROJECT NUMBER: IM 091-1(81)

FILE NAME: z19a190bdr_ero.EX.dgn
PROJECT LEADER: T. POULIN
DESIGNED BY: C. TOBIN
EPSC EXISTING SITE PLAN

PLOT DATE: 12-MAY-2026
DRAWN BY: C. TOBIN
CHECKED BY: P. MCKECHNIE
SHEET 27 OF 29

ADDENDUM	REVISION	DATE	DESCRIPTION	BY
2	1	05-11-2026	REVISED CULVERT SIZE	ERB

