

STATE OF MAINE DEPARTMENT OF TRANSPORTATION

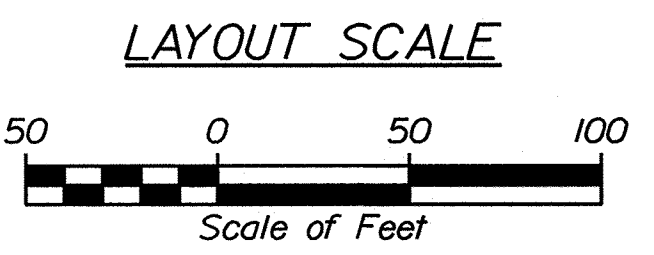
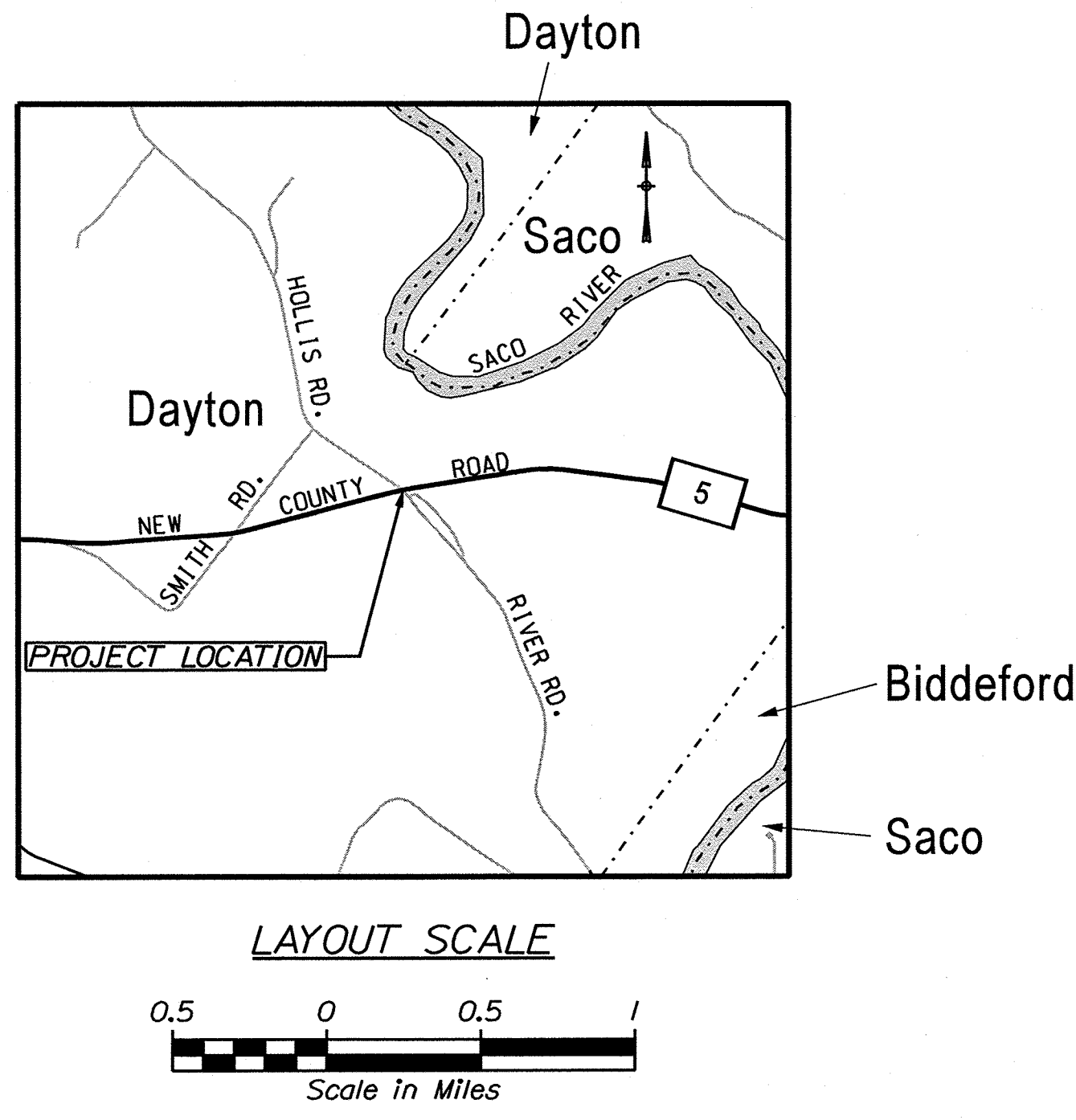
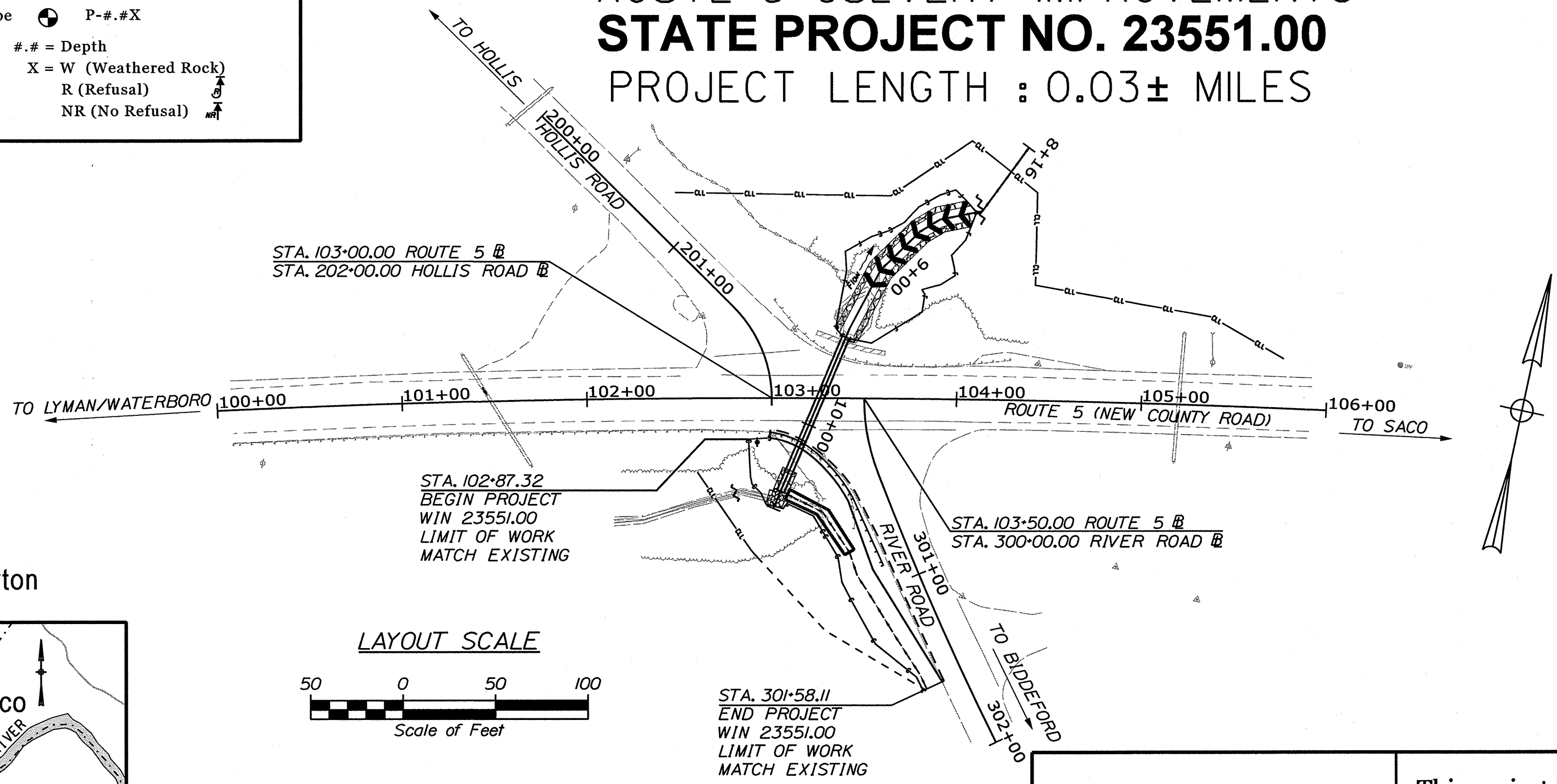


DAYTON YORK COUNTY

ROUTE 5 CULVERT IMPROVEMENTS
STATE PROJECT NO. 23551.00
PROJECT LENGTH : 0.03± MILES

PLAN LEGEND	
Town, County, State	-----
Property Lines	-----
R/W Lines-Existing	-----
R/W Lines-Proposed	-----
Culvert-Existing	-----
Culvert Proposed	-----
Curbing Existing	-----
Curbing Proposed	-----
Type 1	-----
Type 3	-----
Type 5	-----
Outline of Bodies of Water	-----
Exposed Bedrock	-----
Buildings	-----
Trees Conifer	-----
Trees Deciduous	-----
Tree Line	-----
Clearing Limit Line	-----
Railroad	-----
Catch Basins Existing	▣
Catch Basins Proposed	■
Manholes Existing	○
Manholes Proposed	●
Proposed Underdrain	-----
Proposed Ditch	-----
Existing Ditch	-----
Utility Poles Existing	◇
Utility Poles Proposed	◆
Fire Hydrants Existing	⊙
Fire Hydrants Proposed	⊕
Existing Water Line	-----
Existing San. Sewer	-----
Existing San. Sewer Manhole	⊙
Guardrail-Existing	-----
Guardrail-Proposed	-----
Guardrail-Cable, Other	-----
Centerline-Existing	-----
Centerline-Proposed	-----
Travelway-Existing	-----
Travelway-Proposed	-----
Boring	⊕ HB-XXX-###
Pavement Core	● PC-#
Test Pit	■ TP-XXX-###
Probe	⊕ P-#. #X
	## = Depth
	X = W (Weathered Rock)
	R (Refusal)
	NR (No Refusal)

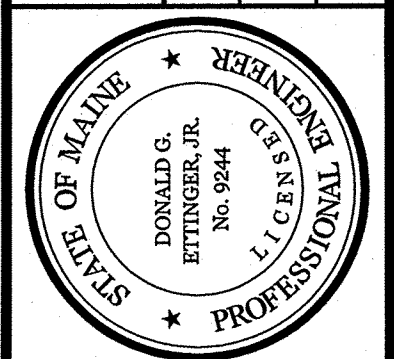
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Cross Sections	12-18
Right of Way Plan	19



TRAFFIC DATA	
	ROUTE 5
Latest AADT (Year)	5060 (2019)
Current (2024) AADT	5190
Future (2036) AADT	5500
Future (2044) AADT	5710
DHV - % of AADT	11%
Design Hour Volume	605
% Heavy Trucks (AADT)	8%
% Heavy Trucks (DHV)	7%
Directional Distribution (DHV)	78%
18 kip Equivalent P 2.0	207
18 kip Equivalent P 2.5	197
Design Speed (mph)	50
Functional Class	Major Collector
Highway Corridor Priority	3

PROJECT LOCATION	This project is located in the town of Dayton along Route 5, at the intersection of Route 5, River Road and Hollis Road. (Large Culvert #46526)
PROGRAM AREA	Highway Program
SCOPE OF WORK	Large Culvert Slipline and Grading Improvements

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER: <i>[Signature]</i>		12-5-23
CHIEF ENGINEER: <i>[Signature]</i>		12-5-23



SIGNATURE: <i>[Signature]</i>	DATE
9244	11-29-2023
P.E. NUMBER	

PROJECT INFORMATION	
PROGRAM	HIGHWAY
PROJECT MANAGER	L. HAMILTON
DESIGNER	T. LANDRY
CONSULTANT	GORRILL PALMER
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

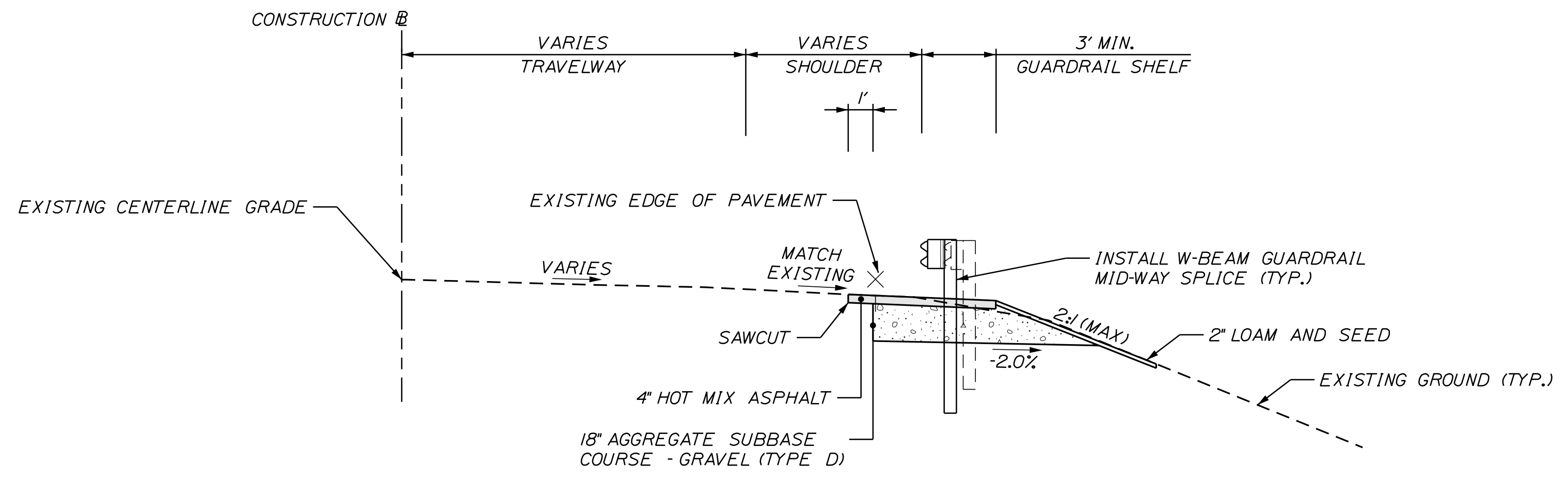
DAYTON
ROUTE 5
TITLE SHEET

SHEET NUMBER
1
OF 19



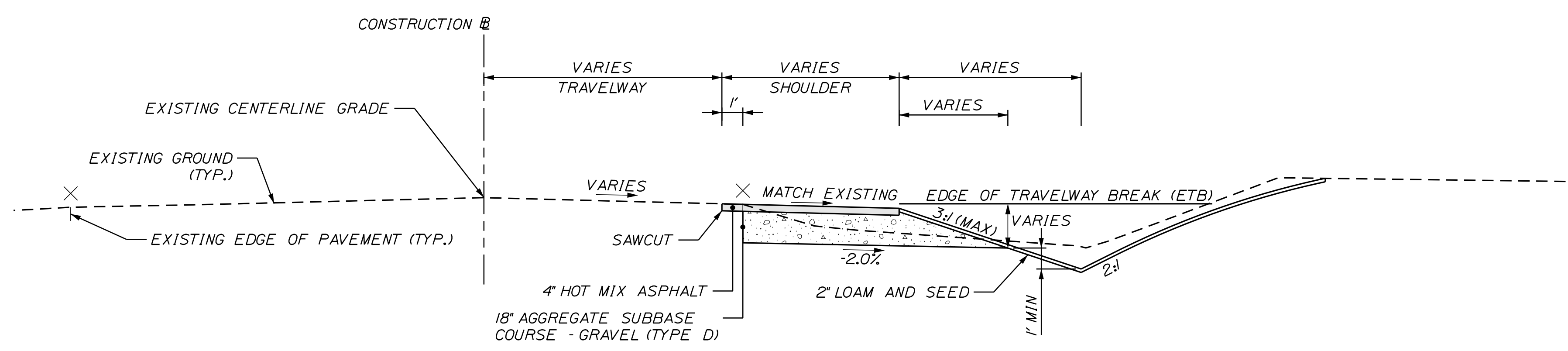
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 Division: HIGHWAY
 Username: Jeff.Fitzmaurice
 Date: 11/29/2023



**ROUTE 5 & RIVER ROAD
GUARDRAIL REPLACEMENT AND GRADING IMPROVEMENTS**

AGGREGATE SUBBASE COURSE GRAVEL
RIGHT SHOULDER
VARIES CY/100 LF
STATION TO STATION
102+99 TO 300+86



RIVER ROAD

AGGREGATE SUBBASE COURSE GRAVEL
RIGHT SHOULDER
VARIES CY/100 LF
STATION TO STATION
300+86 TO 301+58

- NOTES:**
1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
 2. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDERS PAVEMENT SHALL HAVE THE SAME CROSS SLOPE AS THE TRAVELWAY.
 3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
 4. THE GRAVEL QUANTITY IS BASED ON A 2" LOAM OR DIRTY BORROW DEPTH.
 5. THE ALGEBRAIC DIFFERENCE BETWEEN SHOULDER AND TRAVEL LANE CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.
 6. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.
 7. BACKSLOPE ROUNDING ACCORDING TO MAINEDOT STANDARD DETAIL 203(03).

NOT TO SCALE

PROJ. MANAGER	L. HAMILTON	DATE	11/23
DESIGN-DETAILED	T. LANDRY	BY	T. WARREN
CHECKED-REVIEWED	T. LANDRY		D. ETINGER
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE	
P.E. NUMBER	
DATE	

**DAYTON
ROUTE 5
TYPICAL SECTIONS**

SHEET NUMBER

2

OF 19



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Date: 11/29/2023

Username: Jeff.Fitzmaurice

Division: HIGHWAY

Filename: ... \003_EstQuant&GenNotes.dgn

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ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.20	COMMON EXCAVATION	130	CY
203.33	SPECIAL FILL - STREAMBED MATERIAL	35	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	75	CY
403.213	HOT MIX ASPHALT, 12.5 MM NOMINAL MAXIMUM SIZE (BASE AND INTERMEDIATE BASE COURSE)	25	T
409.15	BITUMINOUS TACK COAT, APPLIED	5	G
509.202	48" CULVERT SLIPLINING (90 LF)	1	LS
* 511.07	COFFERDAM; UPSTREAM	1	LS
* 511.07	COFFERDAM; DOWNSTREAM	1	LS
606.1304	31" W-BEAM GUARDRAIL-MID-WAY-SPLICE, OVER 15' RADIUS	59.375	LF
606.1305	31" W-BEAM GUARDRAIL-MID-WAY-SPLICE FLARED TERMINAL	1	EA
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	2	EA
610.08	PLAIN RIPRAP	10	CY
610.18	STONE DITCH PROTECTION	15	CY
610.212	STREAMBED ROCK FEATURES	32	CY
610.213	VOID FILLED RIPRAP	50	CY
613.319	EROSION CONTROL BLANKET	80	SY
615.07	LOAM	95	CY
618.14	SEEDING METHOD NUMBER 2	6	UN
618.143	SPECIAL SEED MIX; DAYTON SPECIAL SEED MIX	17	UN
618.146	SEEDING HYDROMULCH GROWTH MEDIUM	17	UN
619.12	MULCH	6	UN
* 619.14	EROSION CONTROL MIX	20	CY
620.58	EROSION CONTROL GEOTEXTILE	140	SY
* 621.019	EVERGREEN TREES 2'-3' GROUP A	6	EA
* 621.101	PLUGS/LINERS/STARTER 6"-12" 2 1/4" CONT.	250	EA
* 621.247	SMALL DECID. TREES 4'-5' GROUP B CONT.	36	EA
* 621.512	DECIDUOUS SHRUBS 15'-18" GROUP A	120	EA
* 629.05	HAND LABOR, STRAIGHT TIME	10	HR
* 631.10	AIR COMPRESSOR (INCLUDING OPERATOR)	10	HR
* 631.11	AIR TOOL (INCLUDING OPERATOR)	10	HR
* 631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10	HR
* 631.172	TRUCK - LARGE (INCLUDING OPERATOR)	10	HR
* 631.18	CHAIN SAW RENTAL (INCLUDING OPERATOR)	10	HR
* 631.32	CULVERT CLEANER (INCLUDING OPERATORS)	10	HR
* 639.19	FIELD OFFICE, TYPE B	1	EA
* 652.33	DRUM	50	EA
* 652.34	CONE	50	EA
* 652.35	CONSTRUCTION SIGNS	300	SF
* 652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	30	CD
* 652.38	FLAGGERS	750	HR
652.41	PORTABLE-CHANGEABLE MESSAGE SIGN	4	EA
* 656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
* 659.10	MOBILIZATION	1	LS

* = UNDETERMINED LOCATION

GENERAL NOTES

- PAVEMENT THICKNESSES SHOWN ON THE TYPICAL SECTIONS ARE INTENDED TO BE NOMINAL.
- CLEARING LIMITS SHALL BE 10 FEET BEYOND AND PARALLEL TO THE CONSTRUCTION SLOPE LINES OR AS SHOWN ON THE PLANS UNLESS OTHERWISE AUTHORIZED BY THE RESIDENT.
- ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AS INDICATED ON THE PLANS AND APPROVED BY THE RESIDENT.
- THE CLEARING AND SELECTIVE CLEARING AND THINNING LINES SHOWN ON THE PLANS ARE FOR ESTIMATING PURPOSES ONLY. THE ACTUAL LINES FOR CLEARING AND THINNING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE RESIDENT.
- GRUBBING IN FILL AREAS HAS BEEN SHOWN ON THE CROSS SECTIONS AND THE QUANTITIES NOTED. THESE LIMITS ARE APPROXIMATE AND HAVE BEEN USED FOR ESTIMATING PURPOSES ONLY. ACTUAL GRUBBING LIMITS MAY VARY BASED ON FIELD CONDITIONS AS DIRECTED BY THE RESIDENT.
- THE CONTRACTOR SHALL PLAN AND CONDUCT WORK SO THAT UPON COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM THE EDGE OF THE SHOULDER PAVEMENT.
- ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN ACCEPTABLE WASTE AREAS REVIEWED BY THE RESIDENT. GRADING, SEEDING AND MULCHING OF WASTE AREAS SHALL BE CONSIDERED INCIDENTAL.
- REQUIRED DITCH PROTECTION SHOWN ON THE PLANS OR IN THE CONSTRUCTION NOTES IS FOR ESTIMATING PURPOSES ONLY. THE ACTUAL TYPE AND LOCATION OF DITCH PROTECTION MAY BE ALTERED BY THE RESIDENT.
- WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW-SIDE SHOULDER, THE LOW-SIDE SHOULDER WILL HAVE SAME SLOPE AS THE TRAVELWAY.
- CROSS SLOPES FOR NORMAL AND SUPERELEVATED SECTIONS WILL BE STRAIGHT UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
- THE ALGEBRAIC DIFFERENCE BETWEEN TRAVELWAY AND SHOULDER CROSS SLOPE SHALL NOT EXCEED 8 PERCENT.
- NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
- INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
- LOAM HAS BEEN ESTIMATED FOR DISTURBED LAWN AREAS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.
- UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS; SEEDING METHOD NO. 2 SHALL BE UTILIZED ON ALL OTHER AREAS.
- LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN LAWN AREAS AND 2 INCHES IN ALL OTHER AREAS UNLESS OTHERWISE NOTED OR DIRECTED.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING OPERATIONAL BUSINESS DIRECTIONAL SIGNS (OBDS) TO ENSURE THAT THEY ARE VISIBLE TO THE TRAVELING PUBLIC. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
- GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THE BID DOCUMENTS IS FOR THE USE OF THE BIDDERS. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF THE ACTUAL SUBSURFACE CONDITIONS THROUGHOUT THE CONSTRUCTION SITE. MAINEDOT WILL NOT BE RESPONSIBLE FOR ANY INTERPRETATIONS OR CONCLUSIONS DRAWN FROM THE GEOTECHNICAL INFORMATION. THE BORING LOGS PROVIDED IN THE BID DOCUMENTS (IF ANY) PRESENT FACTUAL AND INTERPRETIVE SUBSURFACE INFORMATION COLLECTED AT DISCRETE LOCATIONS. DATA PROVIDED MAY NOT BE REPRESENTATIVE OF THE SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS.
- AREAS ON THE PROJECT REQUIRING FILL WILL COME FROM SUITABLE SITES SUCH AS EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.
- NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT AND LAYOUT OF WORK BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.
- "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.
- THE CONTRACTOR WILL PLACE APPROPRIATELY-MARKED STAKES AT THE FOLLOWING LOCATIONS ON THE PROJECT: STRIPING PATTERN CHANGES, CROSS-SLOPE CHANGES, AND EVERY 500 FEET FOR STATIONING. THE CONTRACTOR WILL PAINT EVERY FULL STATION (100 FEET) ON THE EXISTING ROADWAY AND WILL TRANSFER THE PAINTED STATIONING THROUGH ALL INTERMEDIATE LIFTS (NOT SURFACE). APPROPRIATELY-SIZED STRIPING PATTERN CHANGES WILL BE PAINTED ON SURFACE. STATIONING CONTROL MUST BE PLACED BEFORE WORK CAN COMMENCE. CROSS-SLOPE AND STRIPING CHANGE CONTROLS MUST BE PLACED BEFORE PAVING CAN COMMENCE.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH MAINE DEPARTMENT OF TRANSPORTATION BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL (LATEST EDITION).
- GUARDRAIL END TREATMENTS SHALL BE INSTALLED CONCURRENTLY WITH THE PLACEMENT OF EACH SECTION OF BEAM GUARDRAIL.
- TWO REFLECTORIZED FLEXIBLE GUARDRAIL MARKERS (STANDARD SPECIFICATIONS ITEM 606.353, REFLECTORIZED FLEXIBLE GUARDRAIL MARKER) WILL BE INSTALLED AT EACH GUARDRAIL END.
- WEIRS LOCATED INSIDE THE PROPOSED CULVERT SLIPLINE SHALL BE INCIDENTAL TO ITEM 509.202.
- ALL PREPARATION OF THE EXISTING STRUCTURE PRIOR TO GROUTING SHALL BE CONSIDERED INCIDENTAL TO ITEM 509.202. PREPARATION OF THE EXISTING STRUCTURE MAY INCLUDE, BUT IS NOT LIMITED TO, TEMPORARY FORMWORK, SHORING OF THE PROPOSED CULVERT SLIPLINE, FILLING OF OVERSIZED VOIDS AND STABILIZATION OF EXISTING STONES. THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ON THE EXACT NATURE OF THIS WORK.
- ALL EXISTING GUARDRAIL REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR. REMOVAL AND DISPOSAL SHALL BE CONSIDERED INCIDENTAL TO THE GUARDRAIL ITEMS.
- CONNECTIONS FOR PROPOSED GUARDRAIL TO EXISTING GUARDRAIL WILL BE CONSIDERED INCIDENTAL TO STANDARD SPECIFICATIONS SECTION 606, GUARDRAIL.
- THE PROJECT GEOTECHNICAL REPORT TITLED "GEOTECHNICAL DESIGN REPORT FOR THE REHABILITATION OF LARGE CULVERT #46526", SOILS REPORT 2023-34, NOVEMBER 17, 2023 CAN BE ACCESSED AT THE MAINEDOT WEBSITE [HTTP://WWW.MAINE.GOV/MDOT/CONTRACTORS/](http://www.maine.gov/mdot/contractors/).
- PAYMENT FOR REMOVING AND RESETTING OF EXISTING SIGNS SHALL BE INCIDENTAL TO ITEM 203.20 COMMON EXCAVATION.
- PAYMENT FOR EQUIPMENT, LABOR, AND MATERIALS TO ACCESS THE WORK, AS WELL AS RE-ESTABLISH ORIGINAL GROUND, WILL BE CONSIDERED INCIDENTAL TO RELATED CONTRACT ITEMS.
- WITHIN VEGETATED WETLAND AREAS, THE CONTRACTOR SHALL USE TIMBER MATS OR SIMILAR PROTECTIONS TO MINIMIZE DAMAGE TO WETLAND SOIL OR VEGETATION.
- THE CONTRACTOR SHALL RE-USE EXISTING FLOOD PLAIN SOIL TO THE MAXIMUM EXTENT PRACTICABLE, OR AS DIRECTED BY THE RESIDENT.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		HIGHWAY PLANS	
DAYTON		ROUTE 5		ESTIMATED QUANTITIES AND GENERAL NOTES	
PROJ. MANAGER	L. HAMILTON	BY	T. WARREN	DATE	11/23
CHECKED-REVIEWED	T. LANDRY	DESIGN-DETAILED	T. LANDRY	SIGNATURE	
DESIGN-REVIEWED		DESIGN-DETAILED		P.E. NUMBER	
REVISIONS 1		REVISIONS 2		DATE	
REVISIONS 3		REVISIONS 4		FIELD CHANGES	
SHEET NUMBER					
3					
OF 19					



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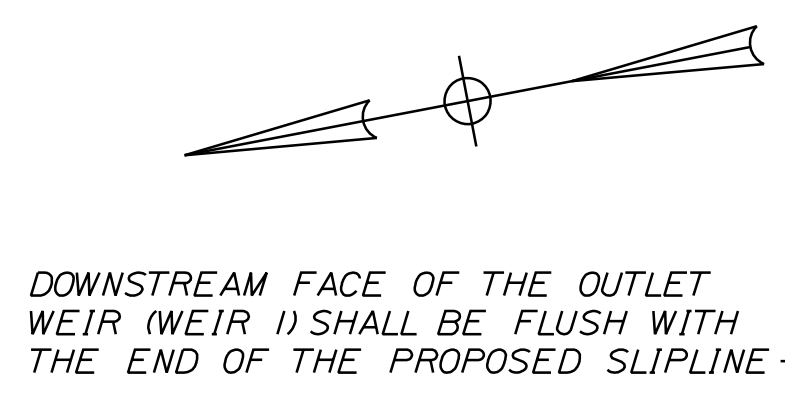
Date: 11/29/2023

Username: Jeff.Fitzmaurice

Division: HIGHWAY

Filename: ... \Highway\004_Culvert Detail.dgn

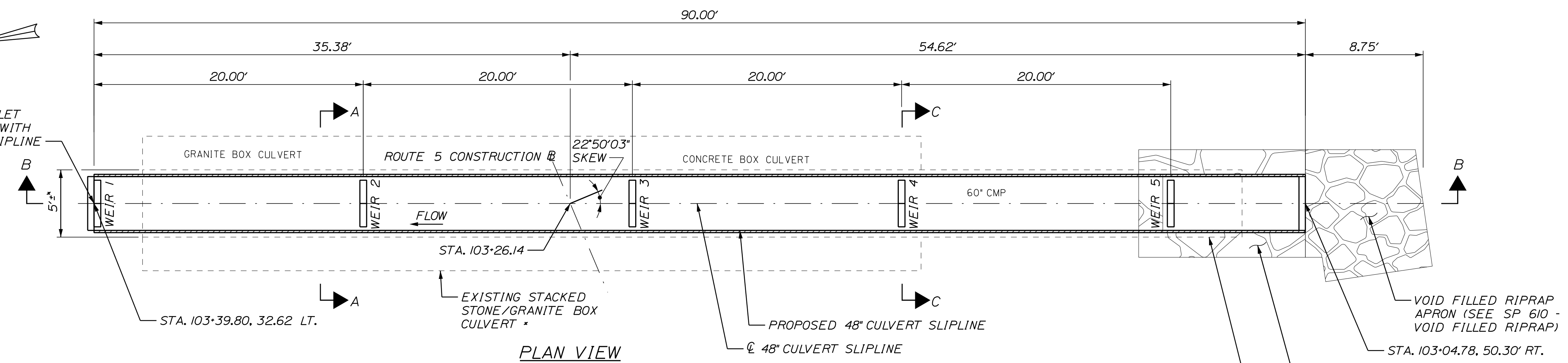
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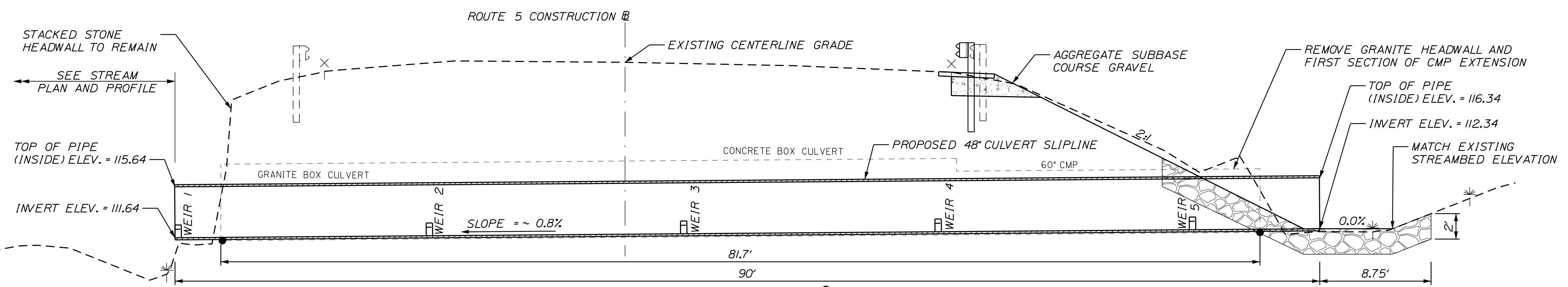
- COFFERDAMS ARE TO BE PLACED AT BOTH THE DOWNSTREAM AND UPSTREAM ENDS OF THE CULVERT TO ALLOW FOR CONSTRUCTION IN THE DRY.
- ANY DAMAGE TO THE LINER SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT AT THE CONTRACTOR'S EXPENSE.
- SLIPLINING SHALL BE PERFORMED IN ACCORDANCE TO SPECIAL PROVISION 603 - CULVERT SLIPLINING AND THE MANUFACTURERS RECOMMENDATION, AS APPLICABLE.
- WEIRS SPACED AT 20' O.C.
- WEIR THICKNESS SHOWN IS APPROXIMATE. ACTUAL WEIR THICKNESS WILL BE DETERMINED BY THE MANUFACTURER.

PROPOSED SLIPLINE WEIR NOTCH ELEVATIONS	
WEIR #	NOTCH ELEV.
1	112.50
2	112.66
3	112.81
4	112.97
5	113.13

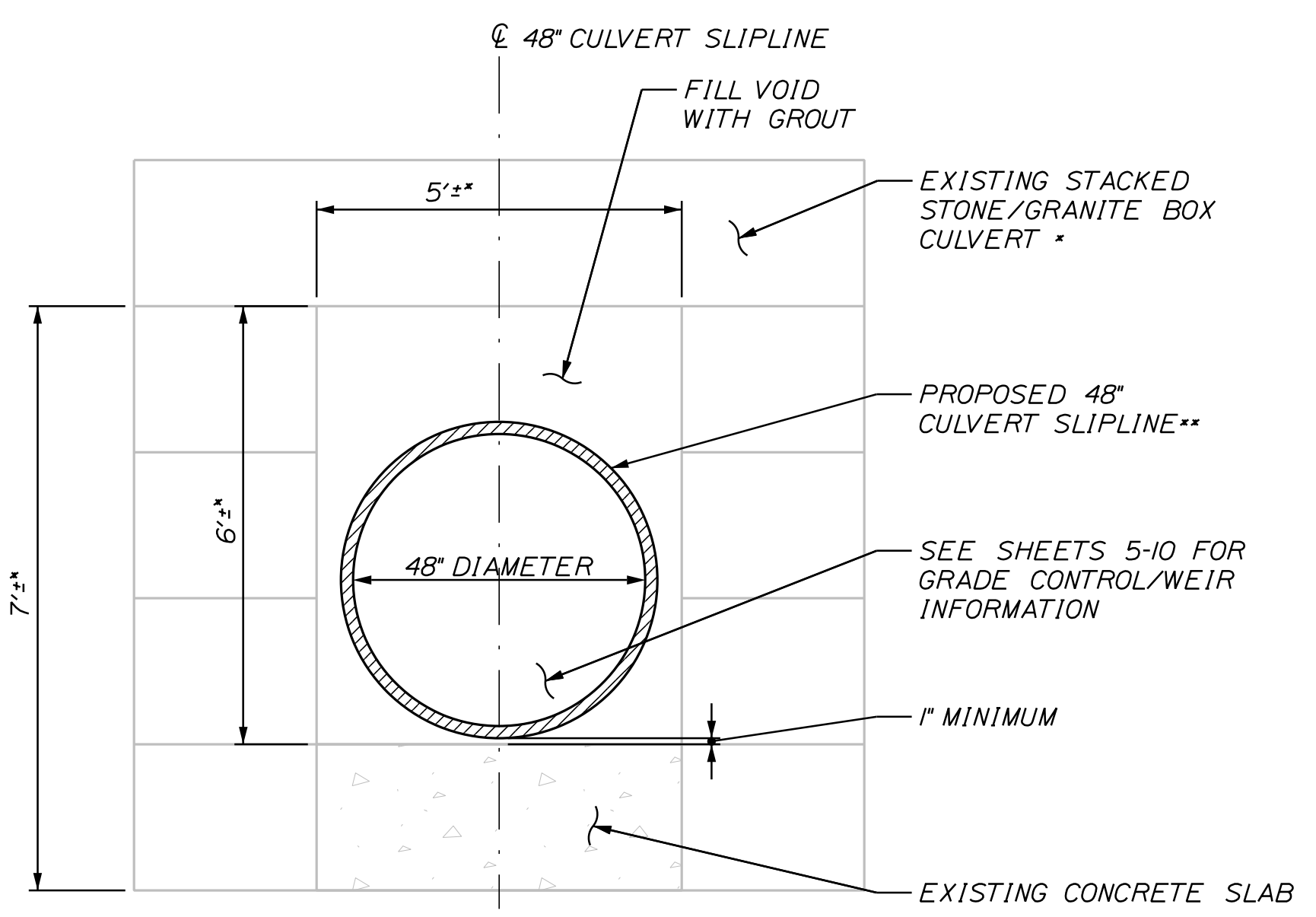


PLAN VIEW

* EXISTING DIMENSIONS ARE APPROXIMATE. STRUCTURE IS COMPRISED OF SECTIONS OF GRANITE BLOCK, CONCRETE BOX AND CORRUGATED METAL PIPE.



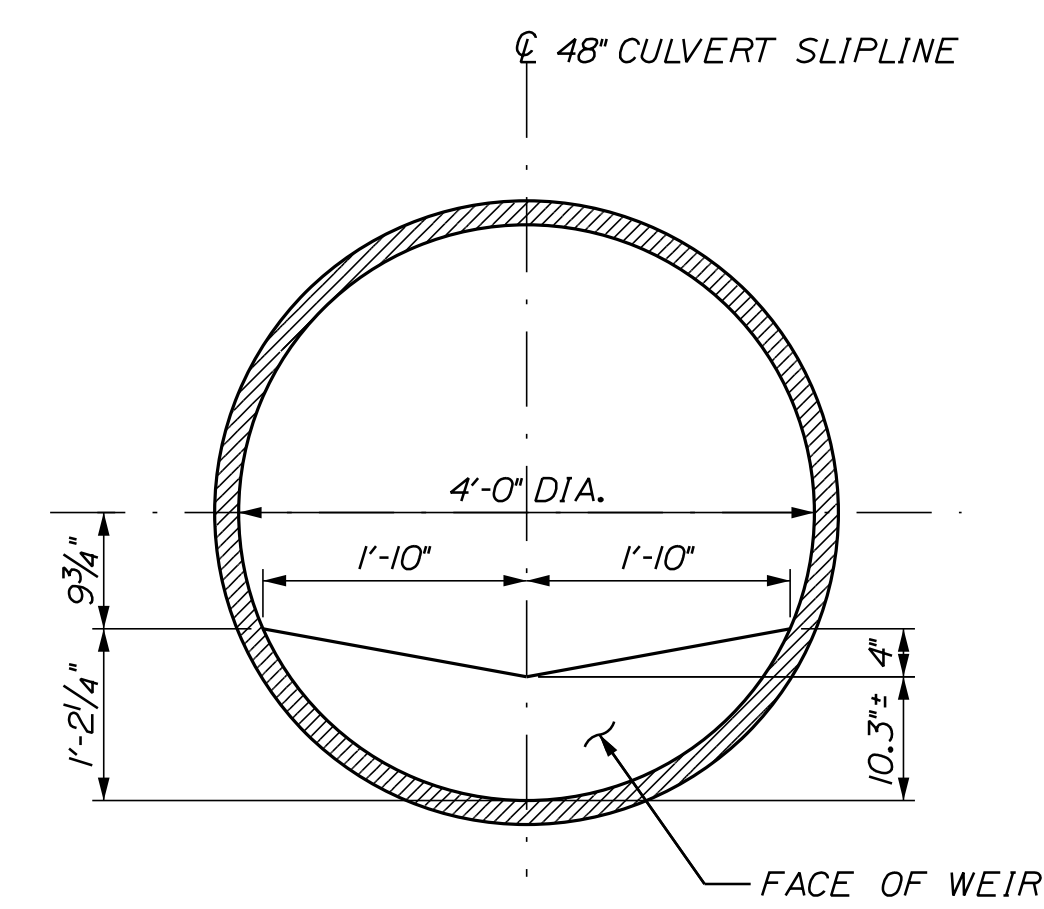
TRANSVERSE SECTION B-B (ALONG CULVERT C)



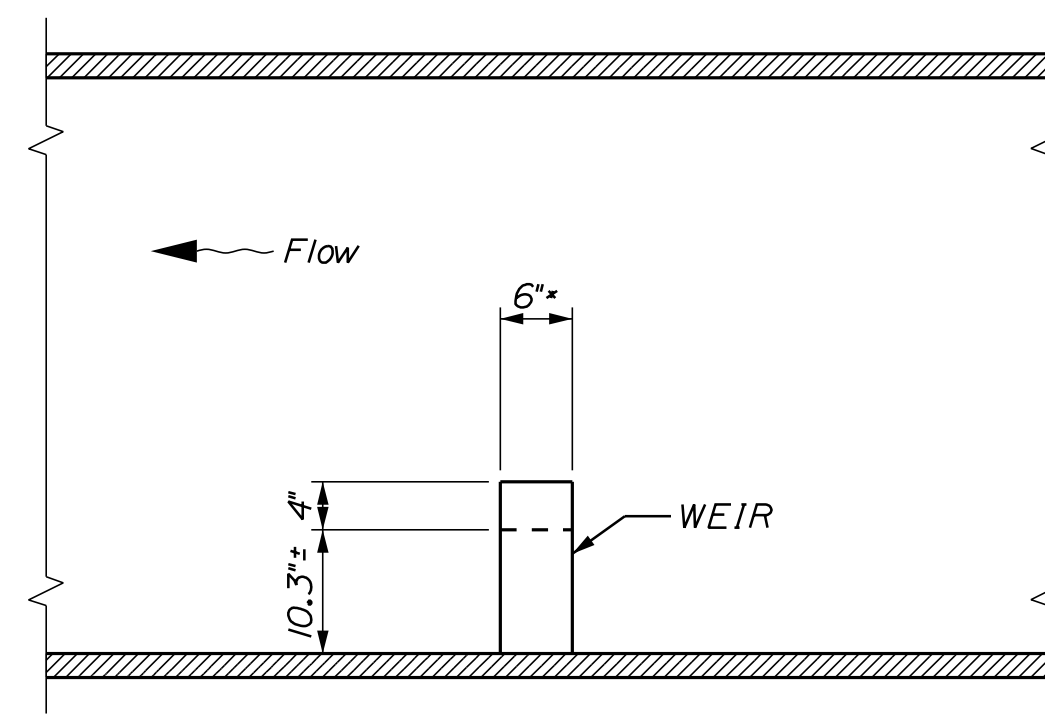
TYPICAL SECTION A-A

* EXISTING DIMENSIONS ARE APPROXIMATE. STRUCTURE IS COMPRISED OF SECTIONS OF GRANITE BLOCK, CONCRETE BOX AND CORRUGATED METAL PIPE.

** CONTRACTOR SHALL BRACE THE PROPOSED CULVERT SLIPLINE AS NEEDED TO PREVENT FLOATING OF THE CULVERT SLIPLINE DURING THE GROUTING PROCESS.

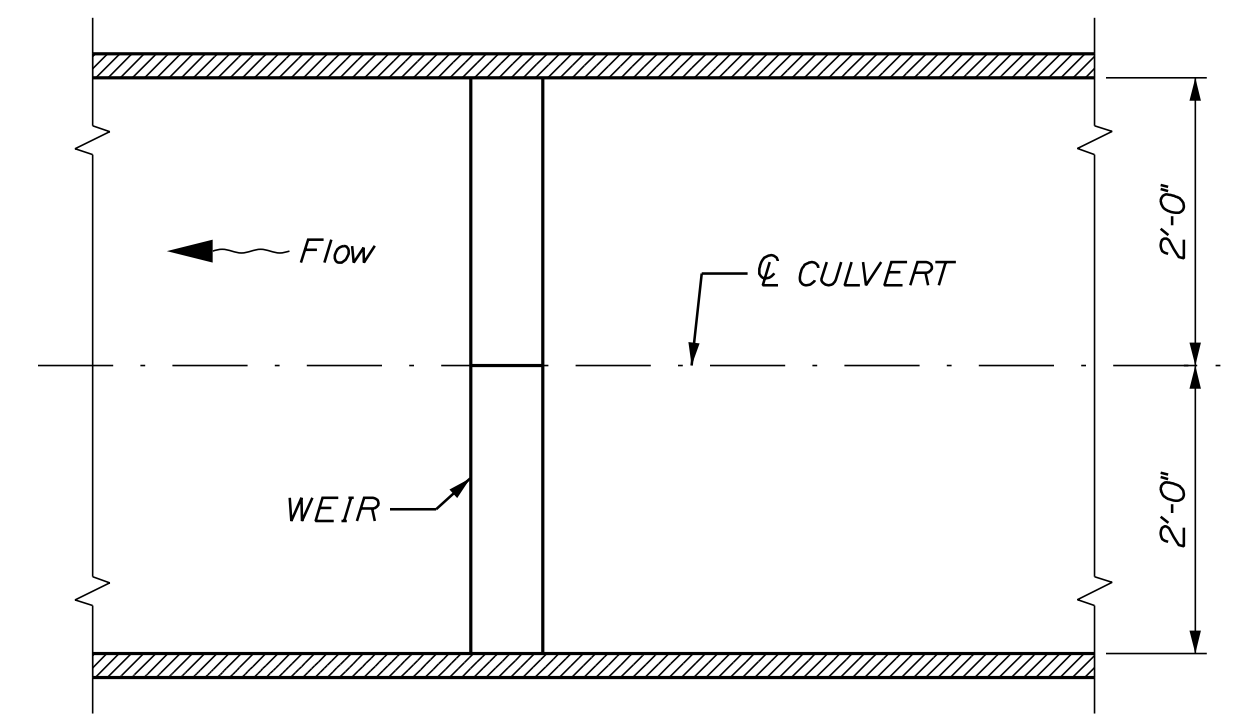


SECTION C-C TYPICAL WEIR



WEIR DETAIL SIDE VIEW

* SEE NOTE 5



WEIR DETAIL TOP VIEW

PROJ. MGR.	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
L. HAMILTON	T. LANDRY	T. LANDRY	T. LANDRY	T. LANDRY					
	T. WARREN	D. ETINGER							
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
	11/23	11/23							
BY	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE

DAYTON
ROUTE 5
SPECIAL DETAILS -
CULVERT

SHEET NUMBER

4

OF 19



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NOT TO SCALE

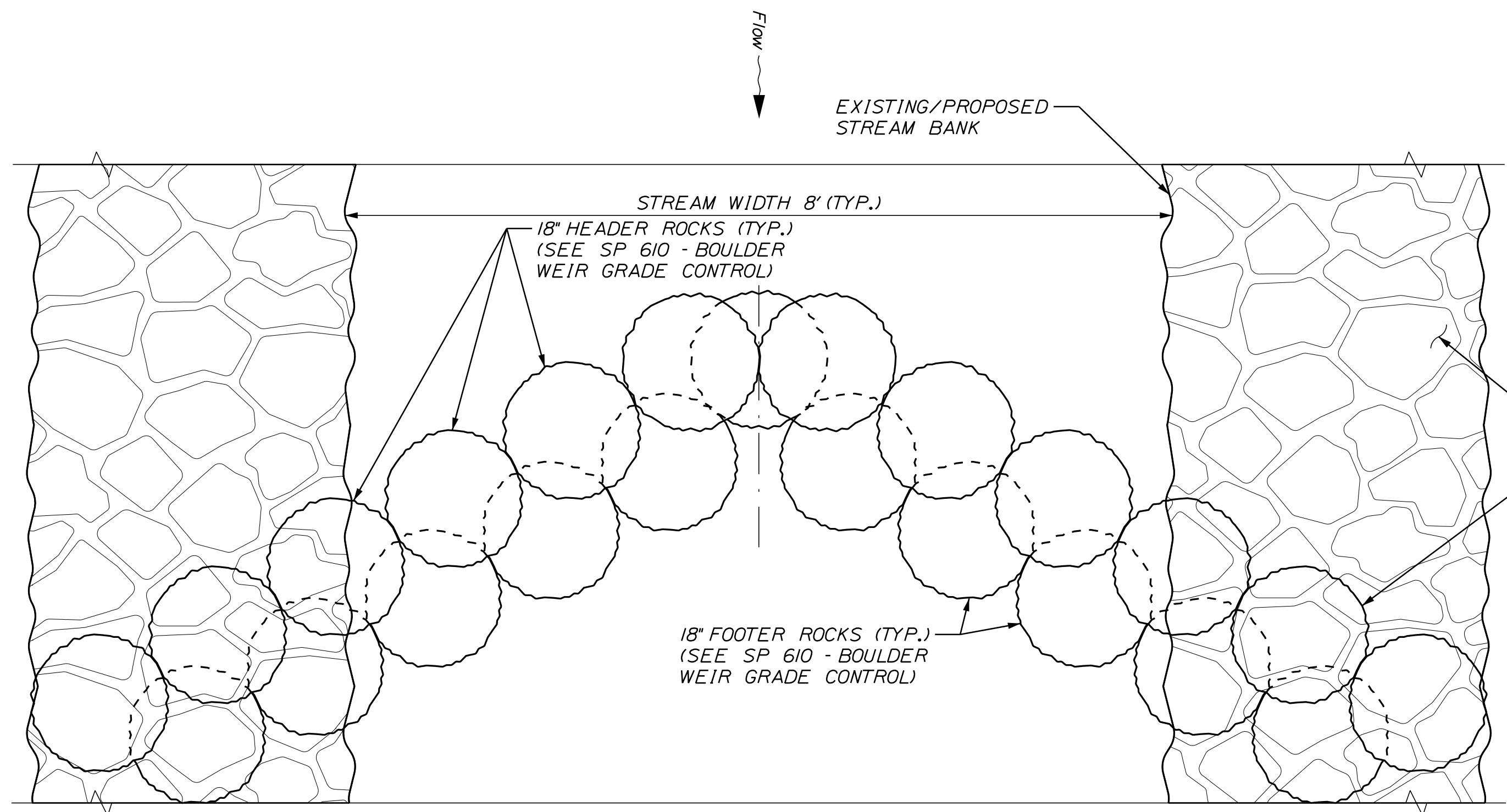
Date: 11/29/2023

Username: Jeff.Fitzmaurice

Division: HIGHWAY

Filename: ... \000\Highway\005_Stream\005_StreamD11.dgn

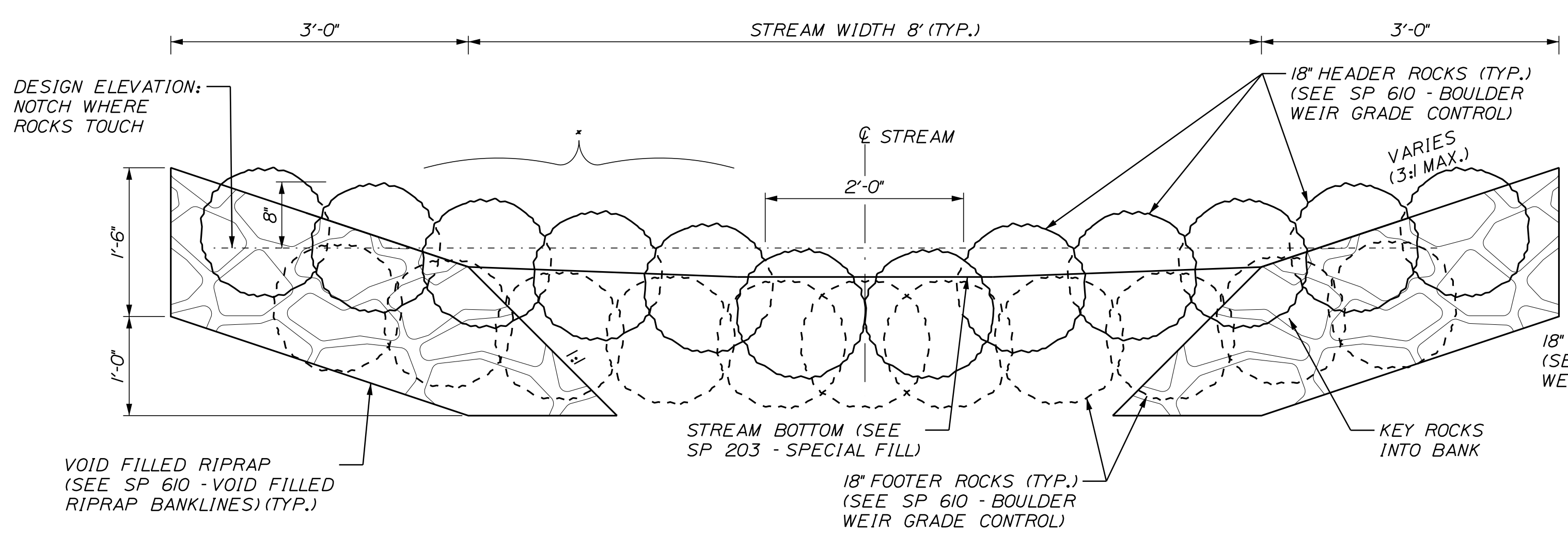
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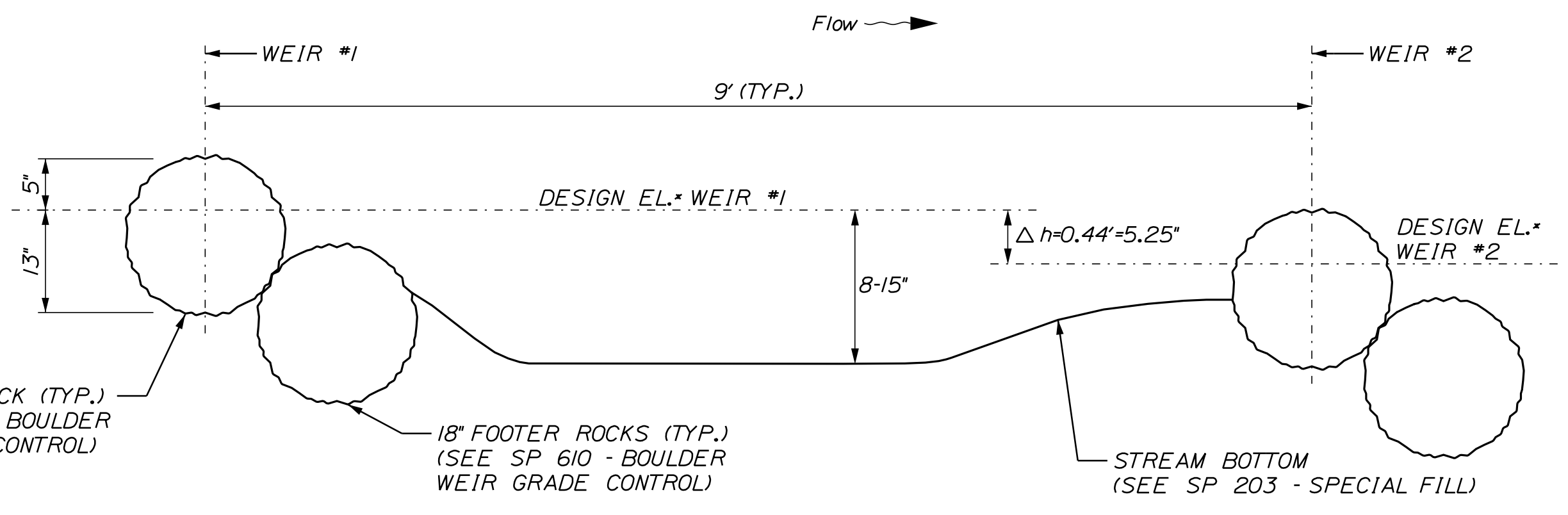
ROCK RAMP
PLAN VIEW

WEIR STATIONING AND DESIGN NOTCH ELEVATIONS	
STATION	ELEVATION
8+70	109.25
8+79	109.69
8+88	110.13
8+97	110.57
9+06	111.01
9+15	111.45
9+24	111.89
9+33	112.33

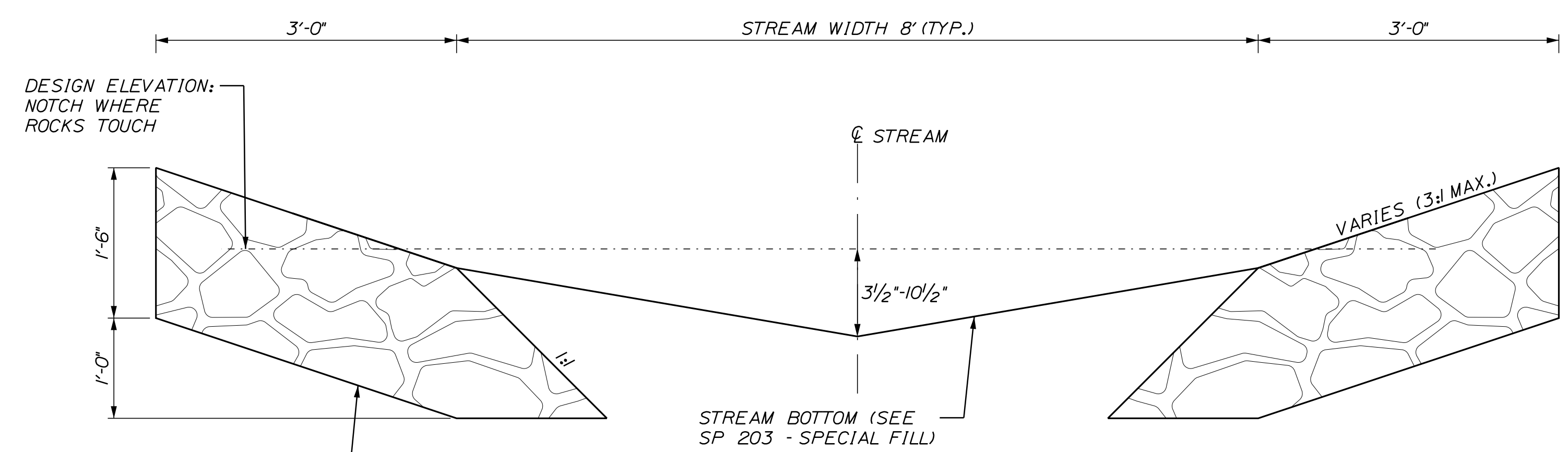
NOTE:
STA. 9+64.62 IS AT THE PROPOSED PIPE OUTLET END.



ROCK RAMP
SECTION VIEW (LOOKING DOWNSTREAM)
* OFF-CENTER ROCKS SLIGHTLY HIGHER, (TYP.)



ROCK RAMP
SIDE/LONGITUDINAL VIEW
* DESIGN ELEVATION: *NOTCH* WHERE ROCKS TOUCH



BETWEEN ROCK RAMPS
SECTION VIEW (LOOKING DOWNSTREAM)

NOT TO SCALE

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
WIN		23551.00	
HIGHWAY PLANS			
PROJ. MANAGER	L. HAMILTON	BY	T. WARREN
CHECKED/REVIEWED	T. LANDRY	DATE	11/23
DESIGNED/DETAILED		SIGNATURE	
REVISIONS 1		P.E. NUMBER	
REVISIONS 2		DATE	
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
DAYTON ROUTE 5			
SPECIAL DETAILS - STREAM DETAILS			
SHEET NUMBER			
5			
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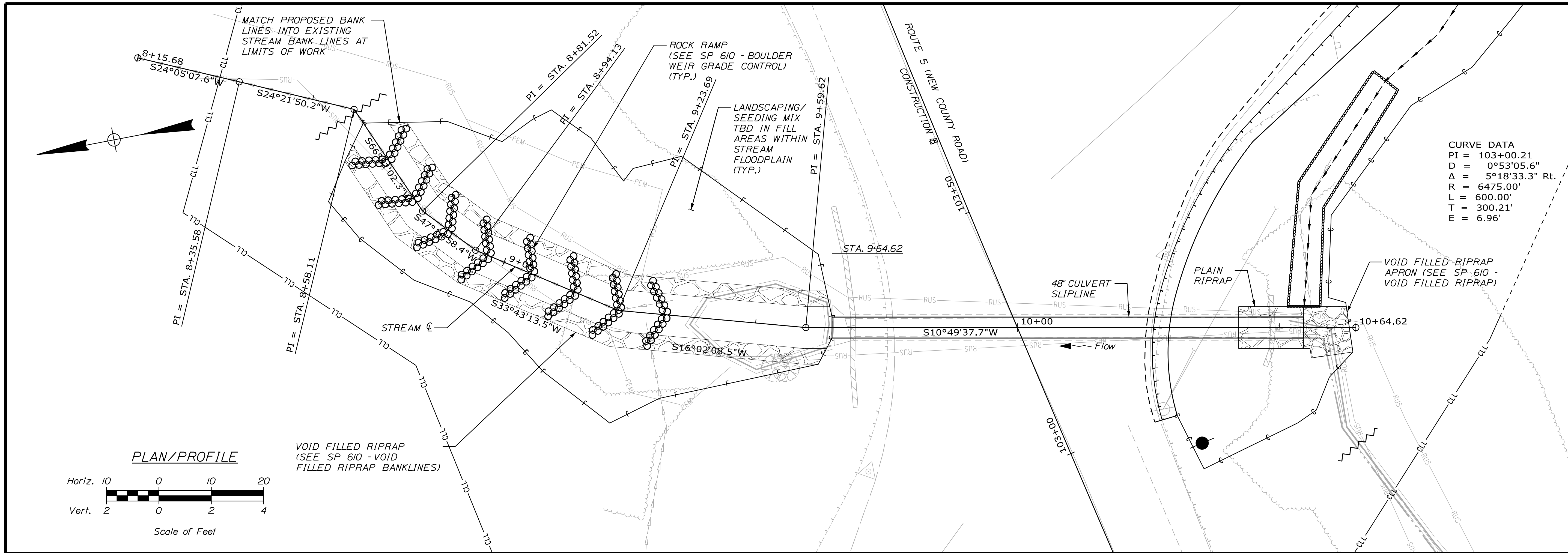
Date: 11/29/2023

Username: Jeff.Fitzmaurice

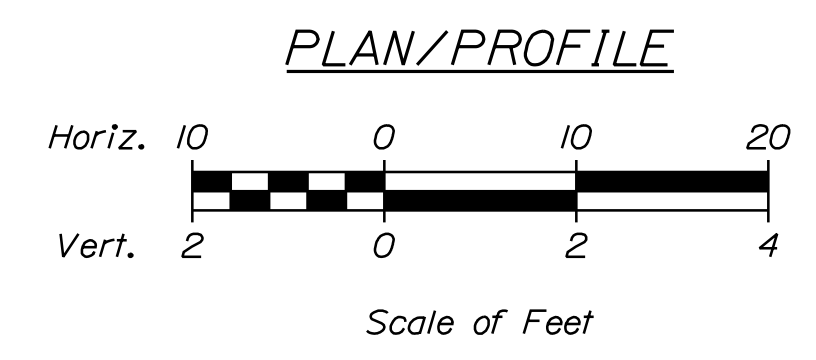
Division: HIGHWAY

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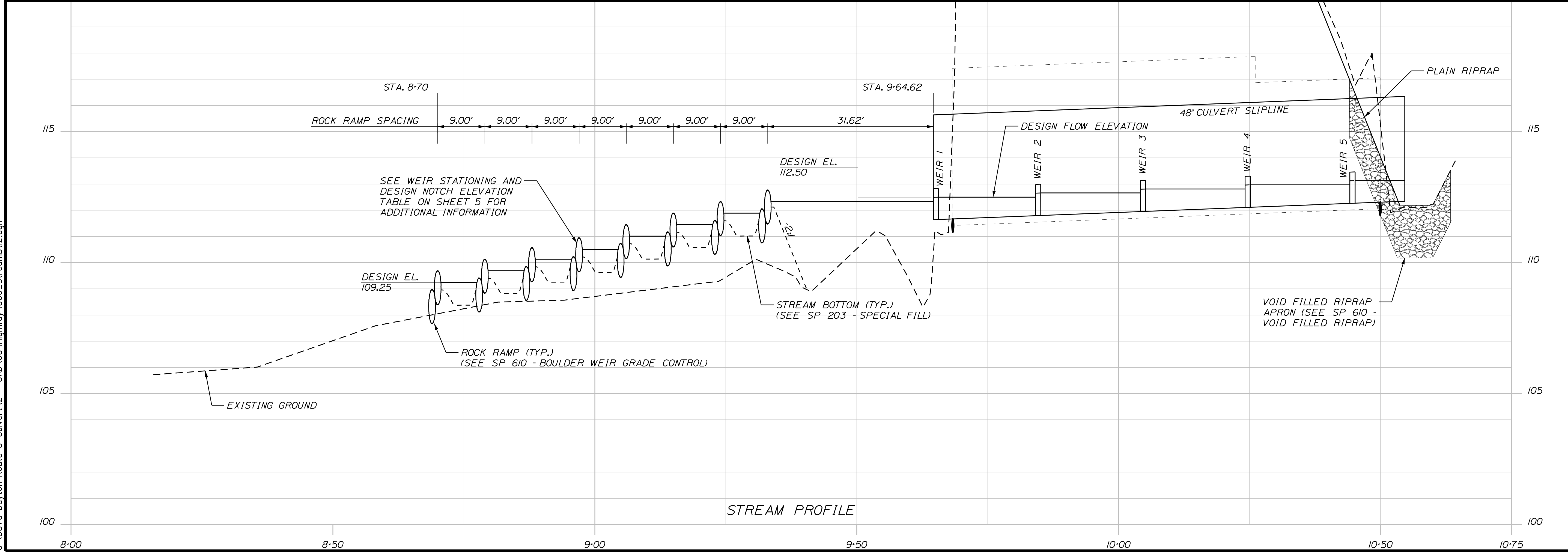
U:\3570-Dayton Route 5 Culvert\Z - CAD\00_Highway\006_StreamD12.dgn



CURVE DATA
 PI = 103+00.21
 D = 0°53'05.6"
 Δ = 5°18'33.3" Rt.
 R = 6475.00'
 L = 600.00'
 T = 300.21'
 E = 6.96'



VOID FILLED RIPRAP
 (SEE SP 610 - VOID
 FILLED RIPRAP BANKLINES)



STREAM PROFILE

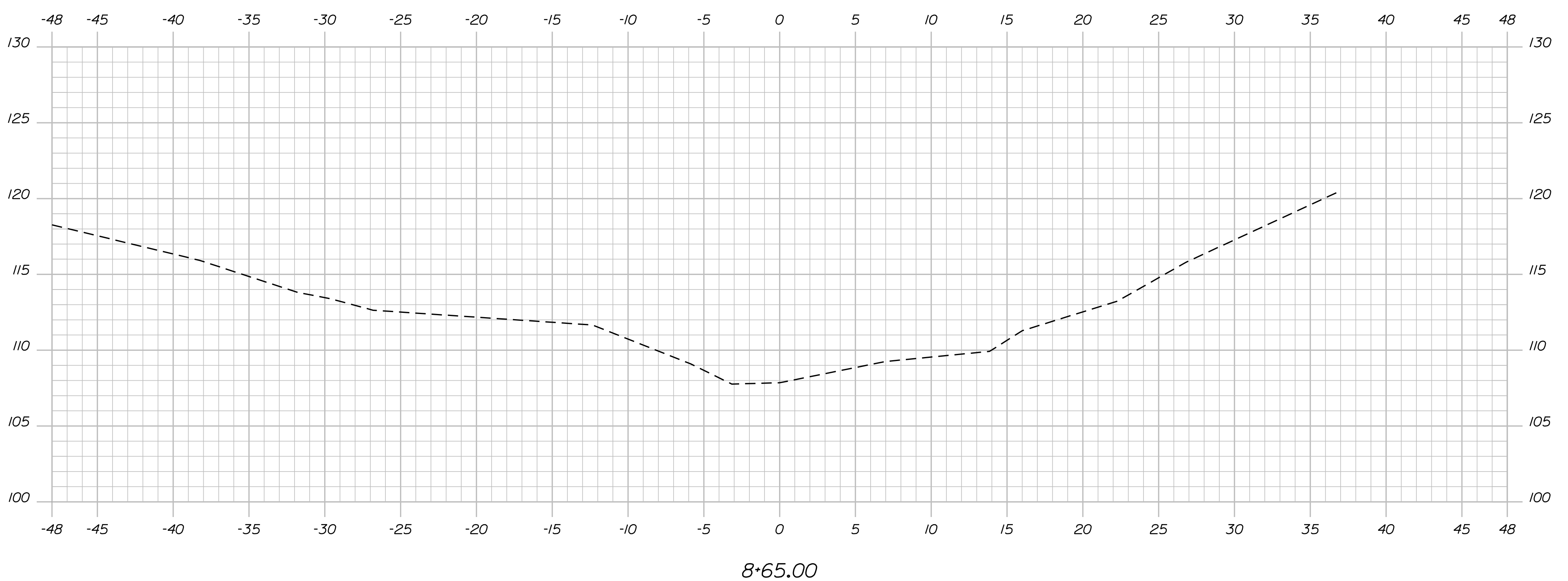
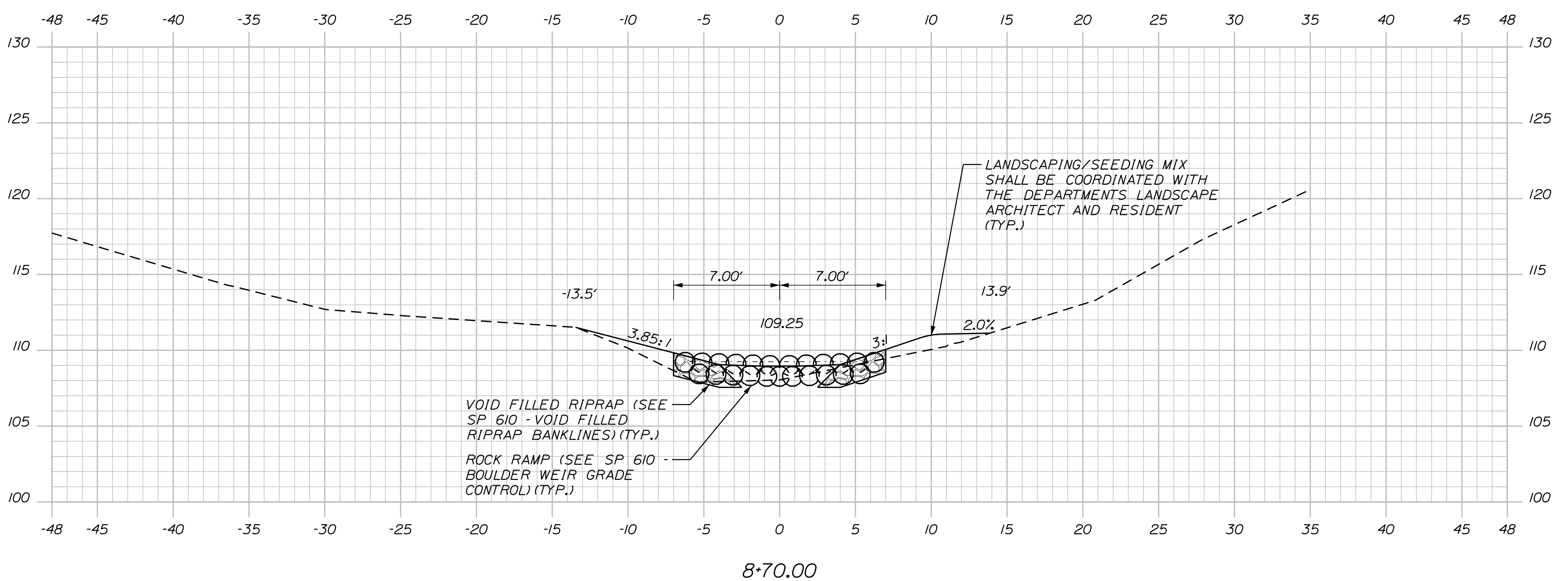
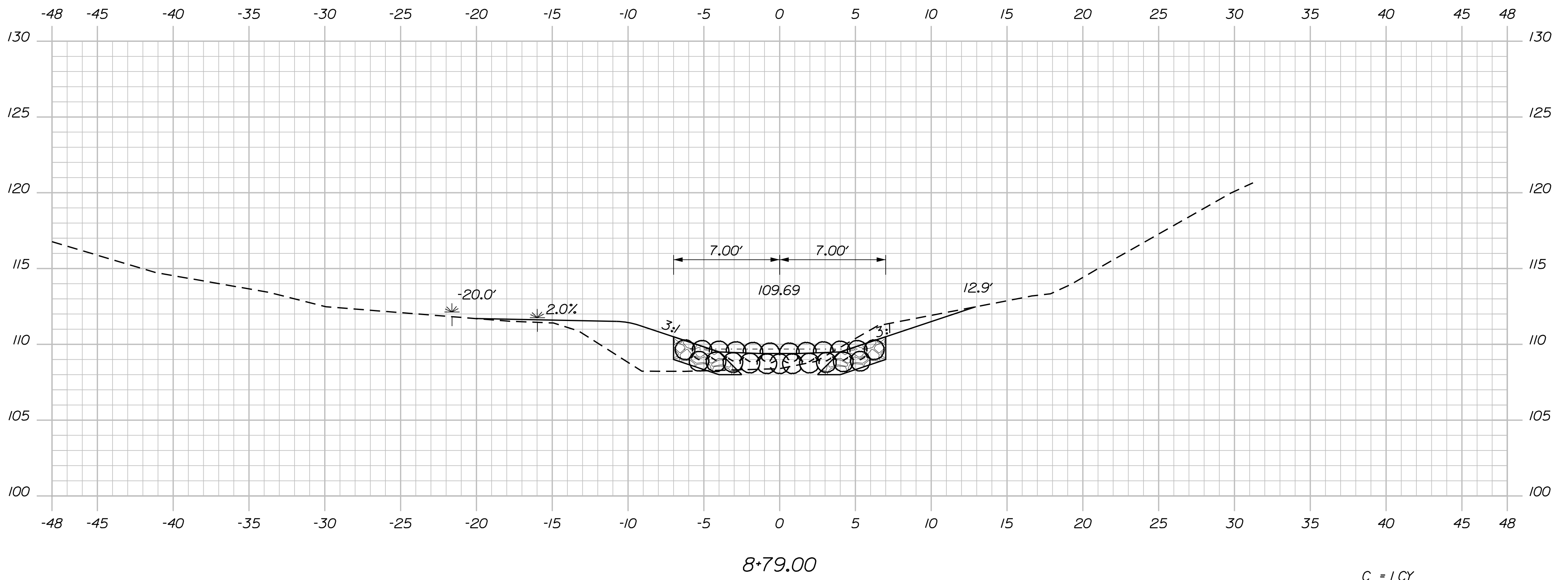
STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 WIN 23551.00
 HIGHWAY PLANS

PROJ. MANAGER	L. HAMILTON	BY	DATE
DESIGN-DETAILED	T. LANDRY	T. WARREN	11/23
CHECKED-REVIEWED	T. LANDRY	D. ETINGER	11/23
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

DAYTON
 ROUTE 5
 SPECIAL DETAILS -
 STREAM PLAN/PROFILE

SHEET NUMBER
 6
 OF 19

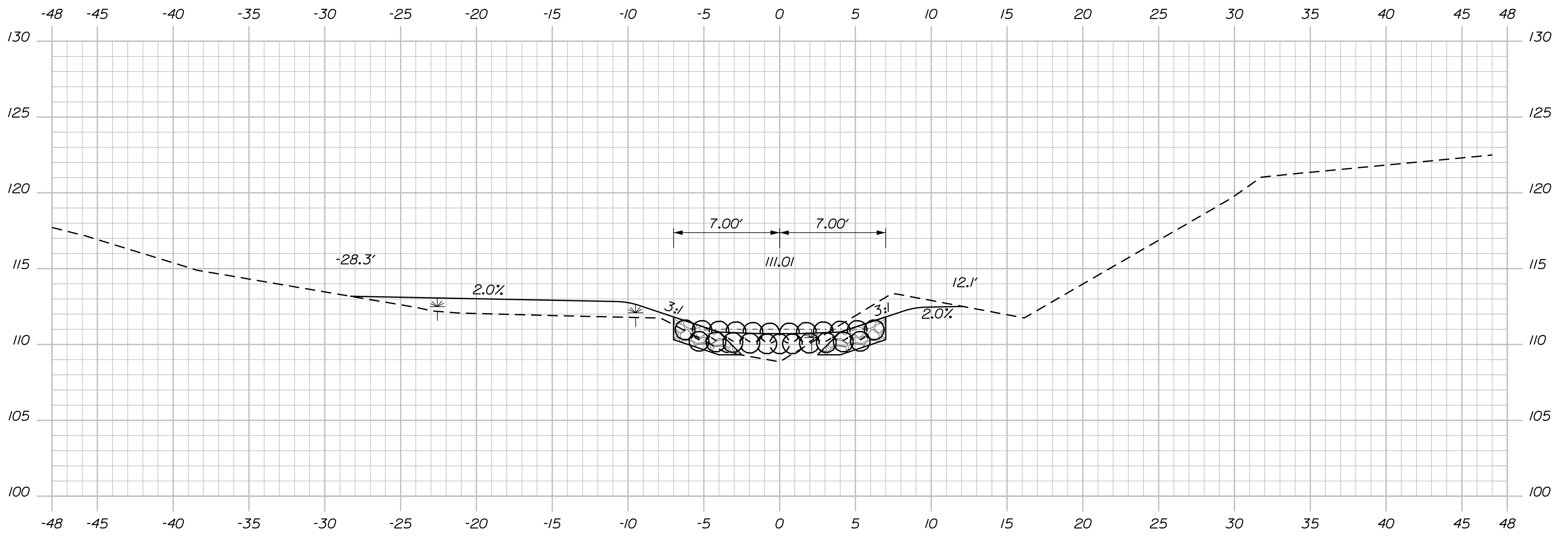
U:\3570-Dayton Route 5 Culvert\Z - CAD\00\Highway\Xsect.dgn



Sta. 8+65.00 to Sta. 8+79.00

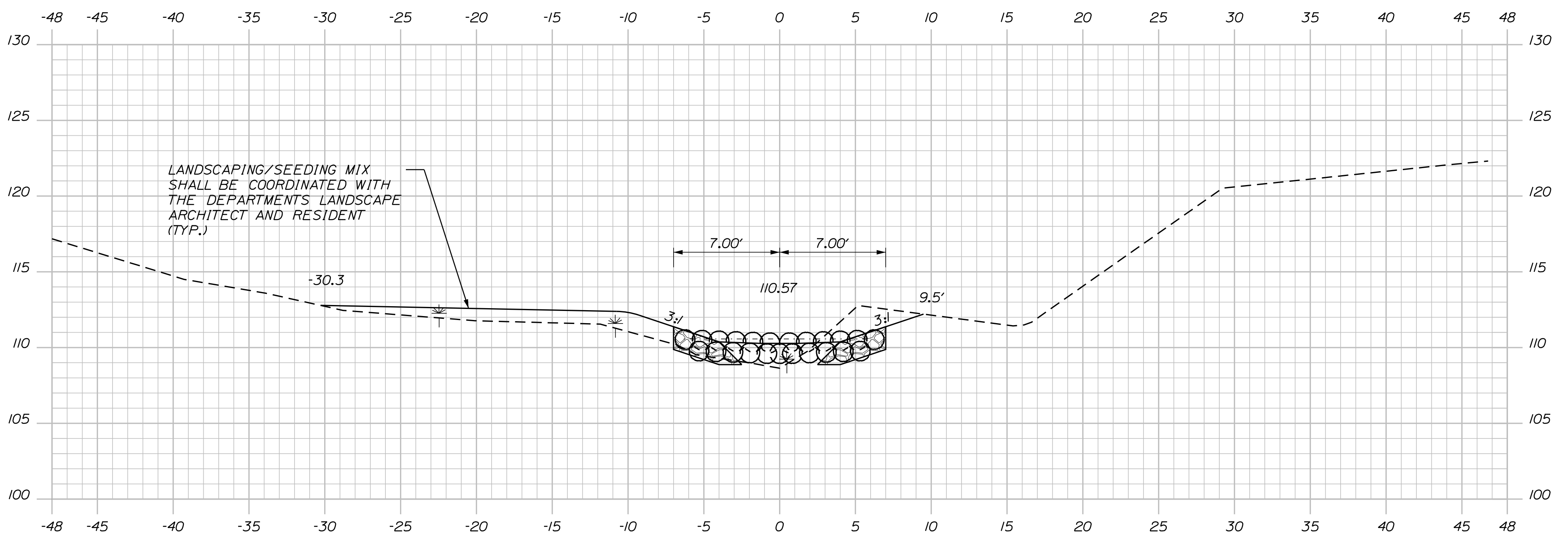
OF 19 SHEET NUMBER 2	DAYTON ROUTE 5	PROJ. MANAGER L. HAMILTON	BY I. WARREN	DATE 11\23	SIGNATURE _____ P.E. NUMBER _____ DATE _____	STATE OF MAINE DEPARTMENT OF TRANSPORTATION
	SPECIAL DETAILS - STREAM CROSS SECTIONS	DESIGN-DETAILED T. LANDRY	I. WARREN	11\23		
	CHECKED-REVIEWED T. LANDRY	D. ETTINGER	11\23			
	DESIGN3-DETAILED3 -	-	-			
REVISIONS 1 -	-	-				
REVISIONS 2 -	-	-				
REVISIONS 3 -	-	-				
REVISIONS 4 -	-	-				
FIELD CHANGES -	-	-				
				WIN 23551.00	HIGHWAY PLANS	

U:\3570-Dayton Route 5 Culvert\Z - CAD\00\Highway\Xsect.dgn



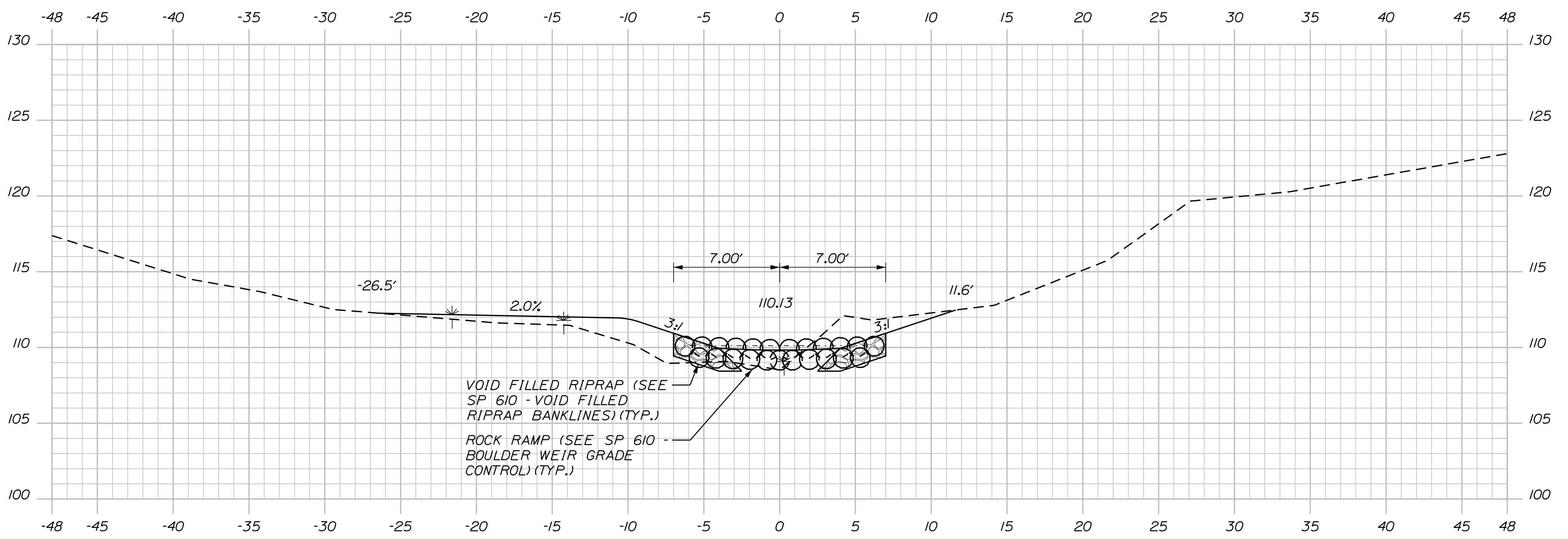
9+06.00

C = 3 CY
F = 6 CY



8+97.00

C = 3 CY
F = 6 CY



8+88.00

C = 3 CY
F = 5 CY

Sta. 8+88.00 to Sta. 9+06.00

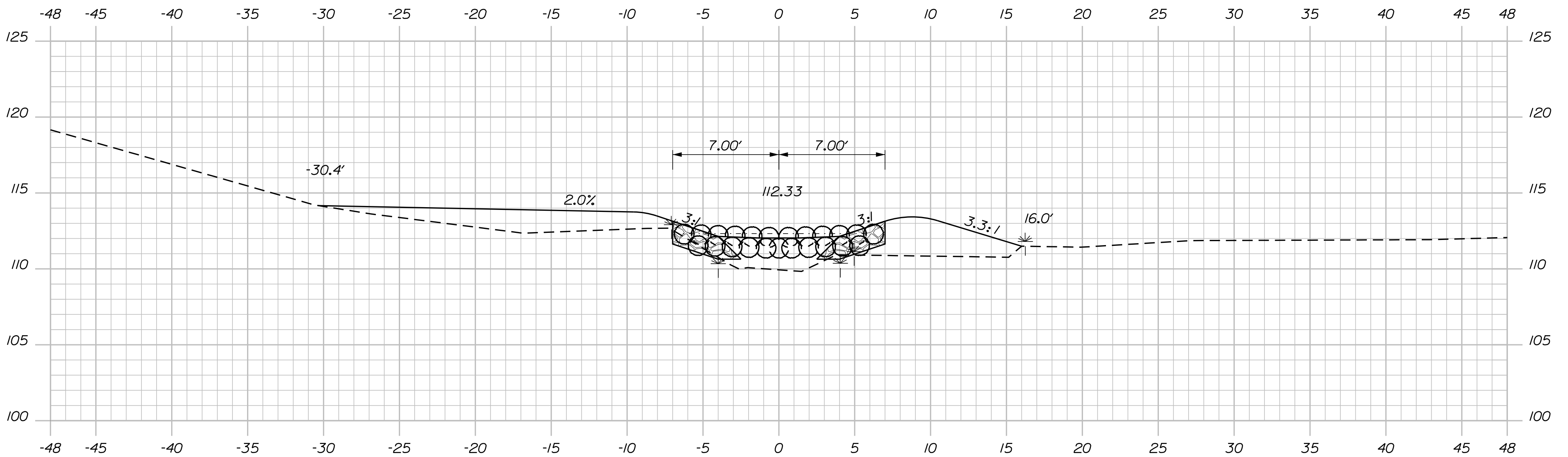
OF 19 8 SHEET NUMBER	DAYTON ROUTE 5	PROJ. MANAGER L. HAMILTON DESIGN-DETAILED T. LANDRY I. WARREN 11\23 CHECKED-REVIEWED T. LANDRY D. ETTINGER 11\23 DESIGN2-DETAILED2 - - DESIGN3-DETAILED3 - - REVISIONS 1 - - REVISIONS 2 - - REVISIONS 3 - - REVISIONS 4 - - FIELD CHANGES - -	BY DATE I. WARREN 11\23 D. ETTINGER 11\23	SIGNATURE _____ P.E. NUMBER _____ DATE _____	STATE OF MAINE DEPARTMENT OF TRANSPORTATION
	SPECIAL DETAILS - STREAM CROSS SECTIONS				WIN 23551.00
					HIGHWAY PLANS

U:\3570-Dayton Route 5 Culvert\Z - CAD\00\Highway\Xsect.dgn

STA. 9+56.44
7.96 RT.
EXIST. 6"DECID
(REMOVE)

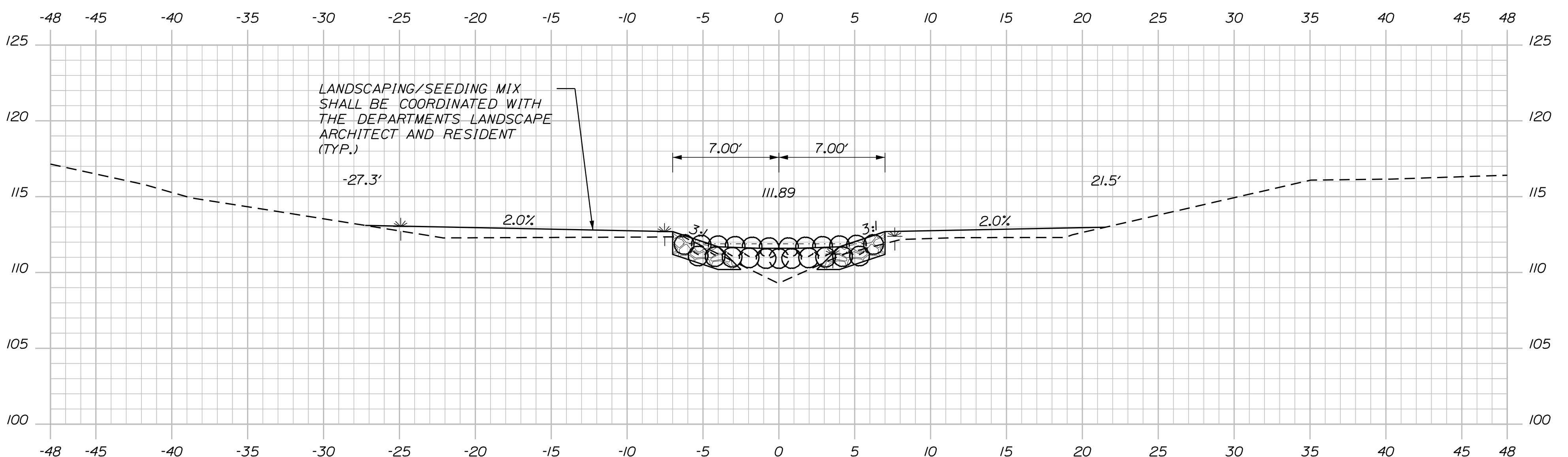
STA. 9+54.54
8.23 RT.
EXIST. 5"DECID
(REMOVE)

F = 22 CY



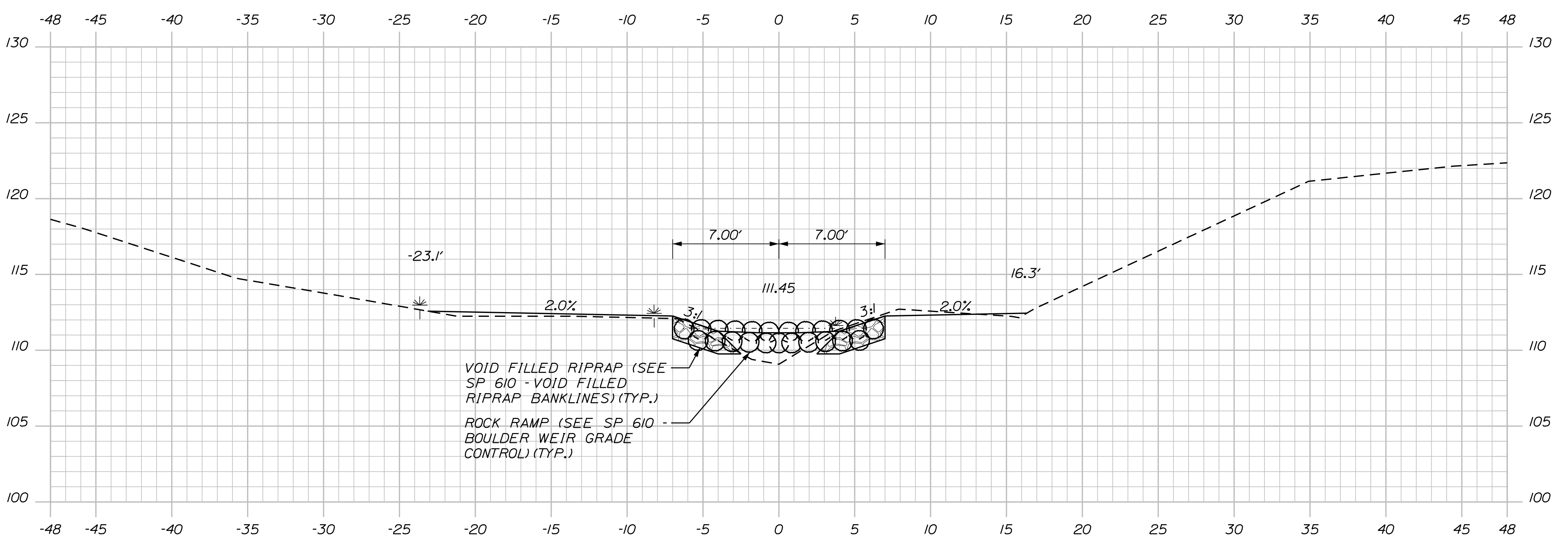
9+33.00

F = 10 CY



9+24.00

C = 1 CY
F = 4 CY



9+15.00

C = 2 CY
F = 4 CY

Sta. 9+15.00 to Sta. 9+33.00

OF 19 9 SHEET NUMBER	DAYTON ROUTE 5	PROJ. MANAGER L. HAMILTON BY DATE DESIGN-DETAILED T. LANDRY I. WARREN 11\23 CHECKED-REVIEWED T. LANDRY D. ETTINGER 11\23 DESIGN2-DETAILED2 - - - DESIGN3-DETAILED3 - - -	SIGNATURE P.E. NUMBER DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
	SPECIAL DETAILS - STREAM CROSS SECTIONS	REVISIONS 1 - - - REVISIONS 2 - - - REVISIONS 3 - - - REVISIONS 4 - - - FIELD CHANGES - - -		WIN 23551.00	HIGHWAY PLANS

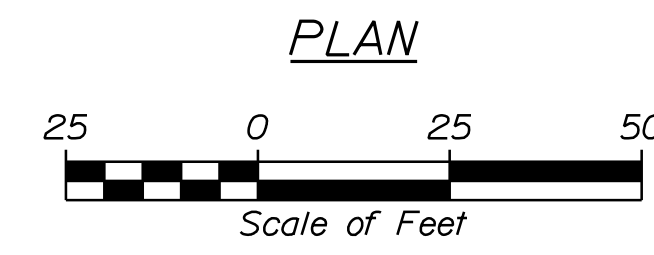
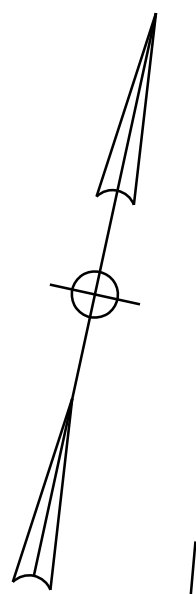
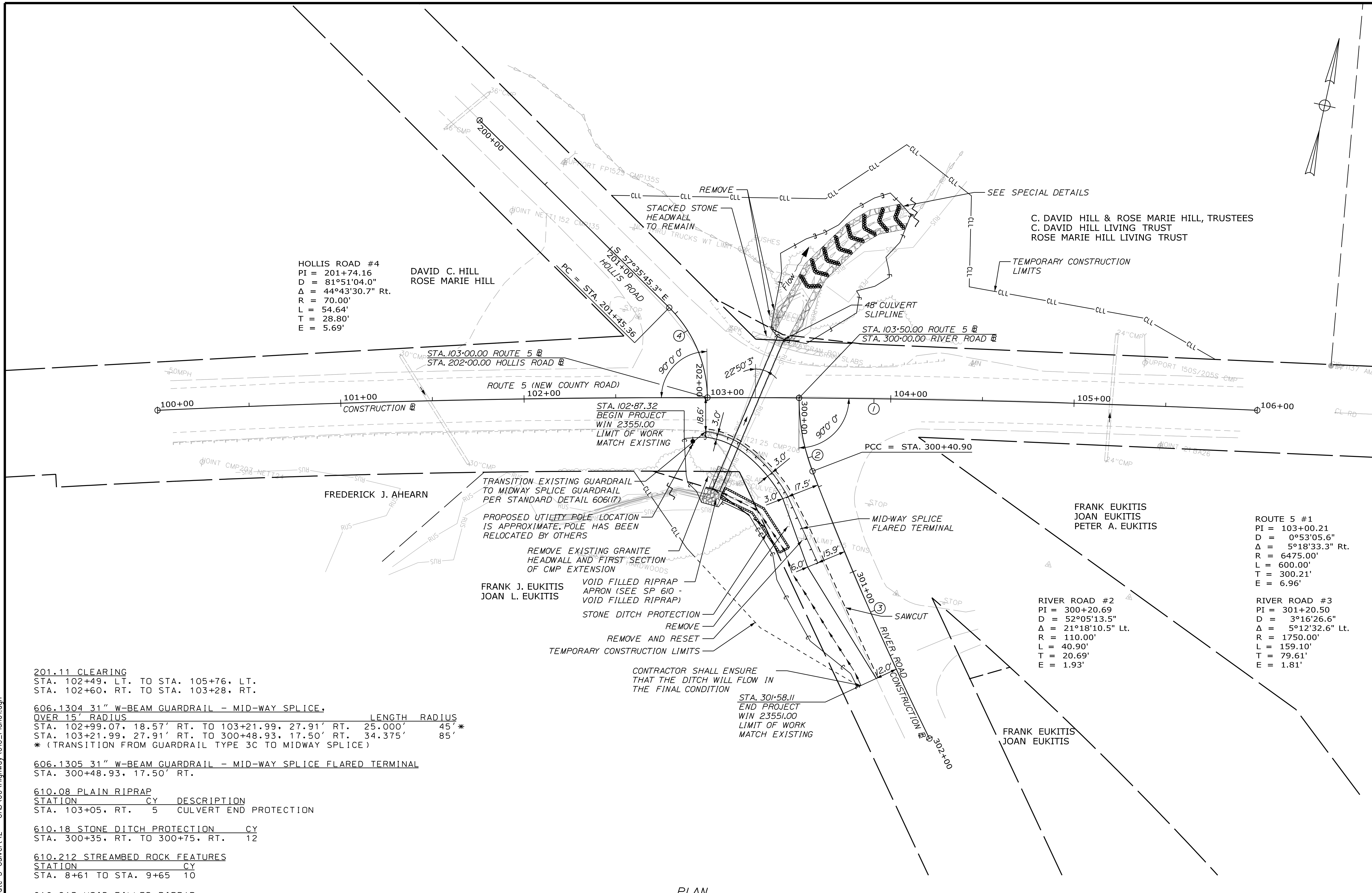
Date: 11/29/2023

Username: Jeff.Fitzmaurice

Division: HIGHWAY

Filename: ... \000\Highway\010_Plan01.dgn

U:\3570-Dayton Route 5 Culvert\Z - CAD\00_Highway\010_Plan01.dgn



201.11 CLEARING
 STA. 102+49, LT. TO STA. 105+76, LT.
 STA. 102+60, RT. TO STA. 103+28, RT.

606.1304 31" W-BEAM GUARDRAIL - MID-WAY SPLICE, OVER 15' RADIUS

STATION	LENGTH	RADIUS
STA. 102+99.07, 18.57' RT. TO 103+21.99, 27.91' RT.	25.000'	45'*
STA. 103+21.99, 27.91' RT. TO 300+48.93, 17.50' RT.	34.375'	85'

* (TRANSITION FROM GUARDRAIL TYPE 3C TO MIDWAY SPLICE)

606.1305 31" W-BEAM GUARDRAIL - MID-WAY SPLICE FLARED TERMINAL
 STA. 300+48.93, 17.50' RT.

610.08 PLAIN RIPRAP

STATION	CY	DESCRIPTION
STA. 103+05, RT.	5	CULVERT END PROTECTION

610.18 STONE DITCH PROTECTION

STATION	CY
STA. 300+35, RT. TO 300+75, RT.	12

610.212 STREAMBED ROCK FEATURES

STATION	CY
STA. 8+61 TO STA. 9+65	10

610.213 VOID FILLED RIPRAP

STATION	CY	DESCRIPTION
STA. 8+61 TO STA. 9+65	41	RIPRAP BANKLINES
STA. 103+05, RT.	6	RIPRAP APRON

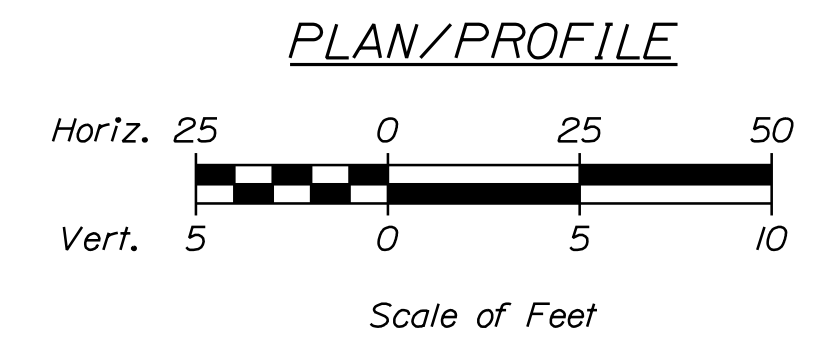
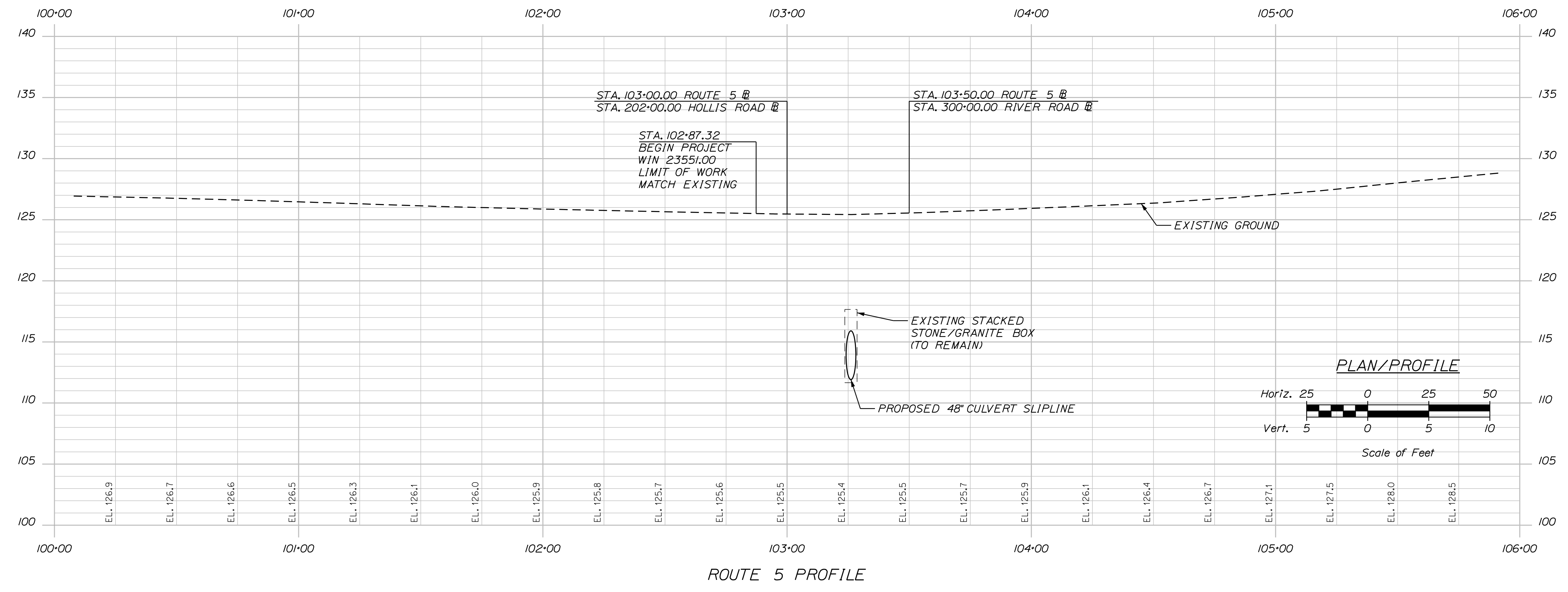
613.319 EROSION CONTROL BLANKET

STATION	SY
STA. 300+75 TO 301+58, RT.	30

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		WIN 23551.00 HIGHWAY PLANS																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>PROJ. MANAGER</th> <th>DESIGN DETAILED</th> <th>CHECKED-REVIEWED</th> <th>DESIGN DETAILED</th> <th>REVISIONS 1</th> <th>REVISIONS 2</th> <th>REVISIONS 3</th> <th>REVISIONS 4</th> <th>FIELD CHANGES</th> </tr> </thead> <tbody> <tr> <td>11/23</td> <td>T. WARREN</td> <td>L. HAMILTON</td> <td>T. LANDRY</td> <td>T. LANDRY</td> <td>D. ETINGER</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	DATE	BY	PROJ. MANAGER	DESIGN DETAILED	CHECKED-REVIEWED	DESIGN DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES	11/23	T. WARREN	L. HAMILTON	T. LANDRY	T. LANDRY	D. ETINGER	-	-	-	-	-	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SIGNATURE</th> <th>P.E. NUMBER</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>FRANK EUKITIS</td> <td>JOAN EUKITIS</td> <td></td> </tr> <tr> <td>FRANK EUKITIS</td> <td>PETER A. EUKITIS</td> <td></td> </tr> </tbody> </table>	SIGNATURE	P.E. NUMBER	DATE	FRANK EUKITIS	JOAN EUKITIS		FRANK EUKITIS	PETER A. EUKITIS	
DATE	BY	PROJ. MANAGER	DESIGN DETAILED	CHECKED-REVIEWED	DESIGN DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES																						
11/23	T. WARREN	L. HAMILTON	T. LANDRY	T. LANDRY	D. ETINGER	-	-	-	-	-																						
SIGNATURE	P.E. NUMBER	DATE																														
FRANK EUKITIS	JOAN EUKITIS																															
FRANK EUKITIS	PETER A. EUKITIS																															
DAYTON ROUTE 5 GENERAL PLAN		SHEET NUMBER 10 OF 19																														

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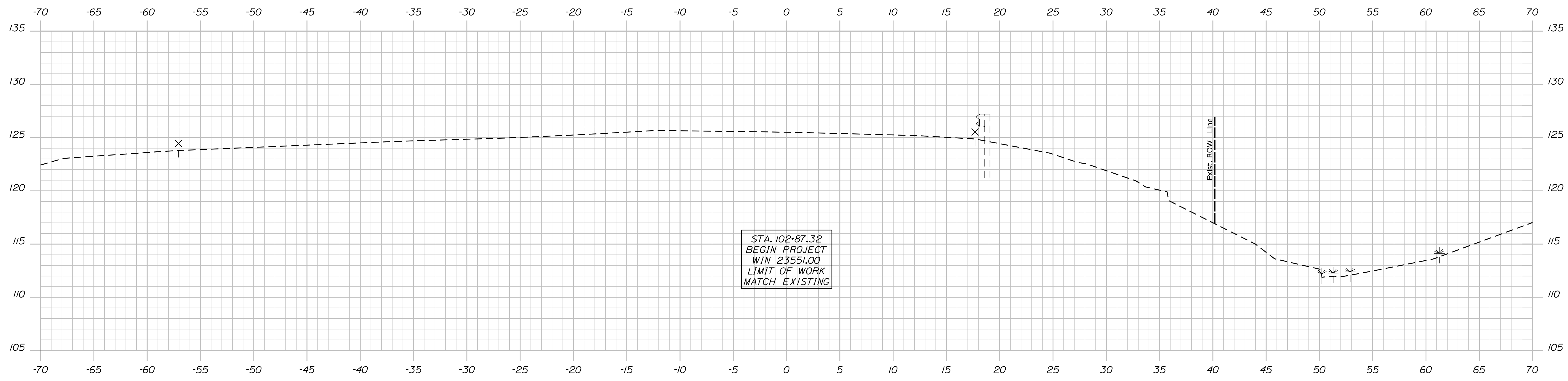
STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION

WIN
 23551.00
 HIGHWAY PLANS

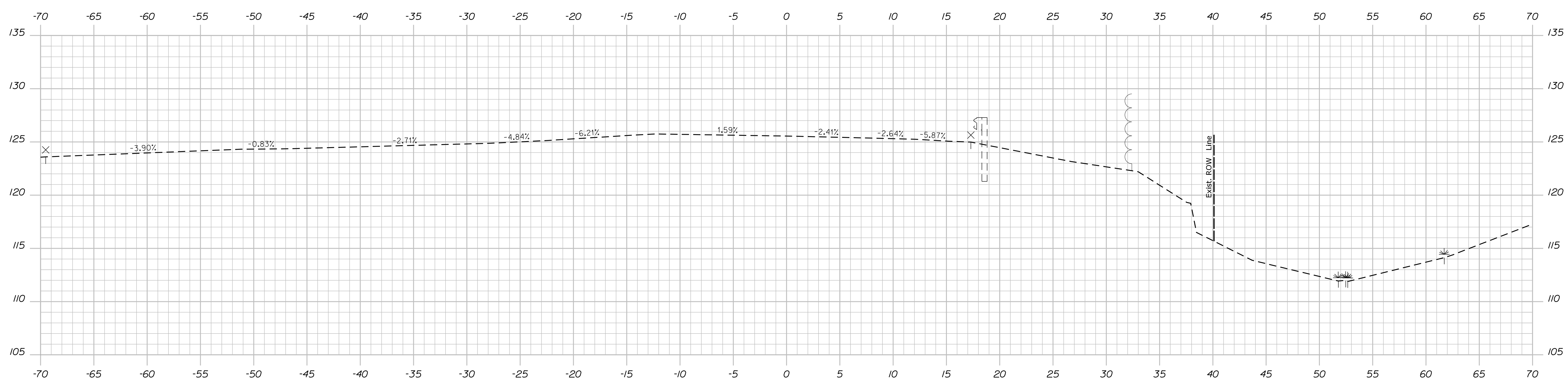
PROJ. MANAGER	L. HAMILTON	BY	DATE
DESIGN-DETAILED	T. LANDRY	T. WARREN	11/23
CHECKED-REVIEWED	T. LANDRY	D. ETINGER	11/23
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

DAYTON
 ROUTE 5
 PROFILE

SHEET NUMBER
11
 OF 19



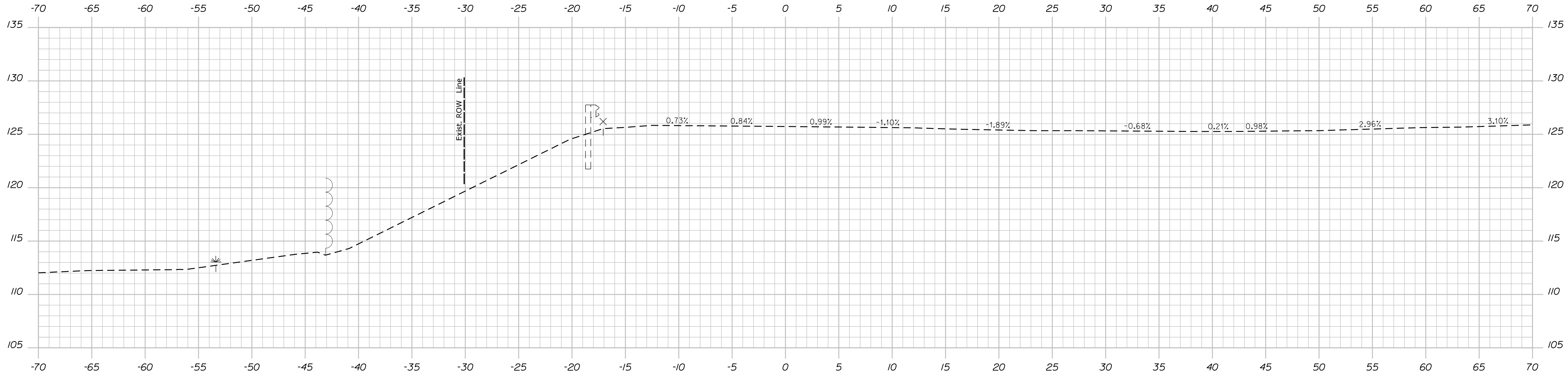
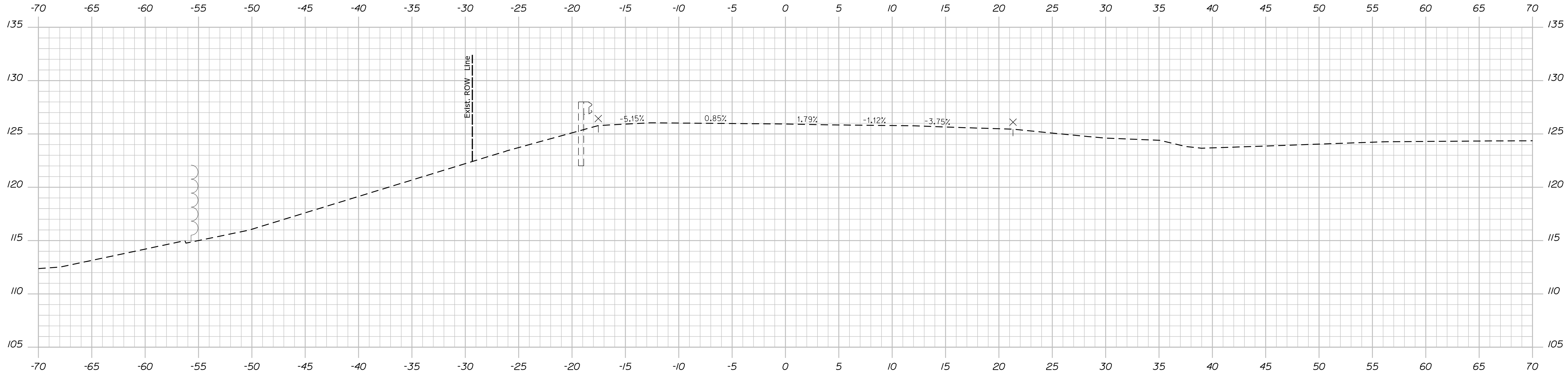
102+87.32
(LIMIT OF WORK)



102+75.00

PROJ. MANAGER	BY	DATE
L. HAMILTON	T. WARREN	11/23
DESIGN-DETAILED	T. LANDRY	11/23
CHECKED-REVIEWED	T. LANDRY	
DESIGN-DETAILED		
DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

DAYTON
ROUTE 5
CROSS SECTIONS



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN
23551.00
HIGHWAY PLANS

PROJ. MANAGER	BY	DATE
L. HAMILTON	T. WARREN	11/23
DESIGN-DETAILED	T. LANDRY	11/23
CHECKED-REVIEWED	D. ETTINGER	
DESIGN-DETAILED		
DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

DAYTON
ROUTE 5
CROSS SECTIONS

SHEET NUMBER
15
OF 19

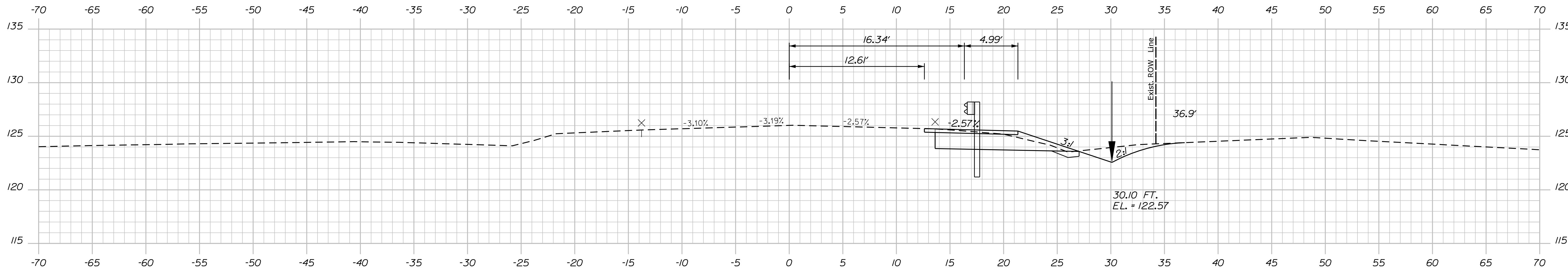
Date: 11/29/2023

Username: Jeff.Fitzmaurice

Division: HIGHWAY

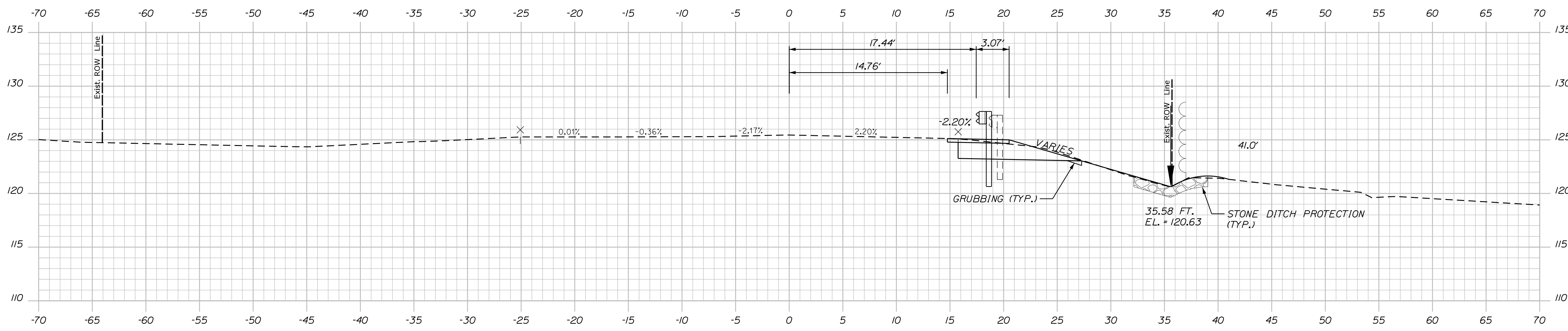
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U:\3570-Dayton Route 5 Culvert\Z - CAD\00\Highway\Xsect.dgn



300+75.00

C = 17 CY
F = 1 CY
G = 1 CY

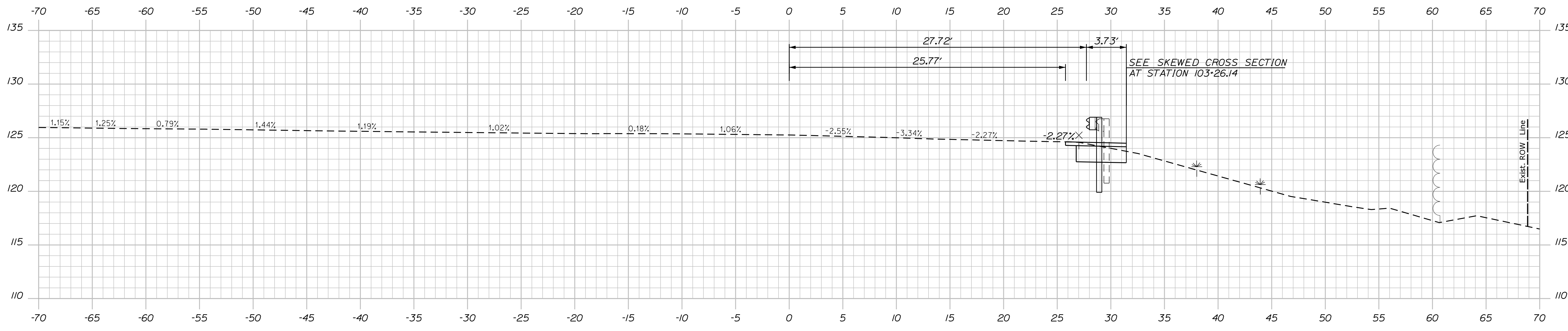


300+50.00

STA. 300+35, RT. TO STA. 300+75, RT.
INSTALL STONE DITCH PROTECTION

STA. 300+48.93, 17.50' RT.
INSTALL W-BEAM GUARDRAIL MIDWAY SPLICE FLARED TERMINAL

C = 11 CY
F = 1 CY
G = 1 CY



300+25.00

C = 4 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN
23551.00
HIGHWAY PLANS

PROJ. MANAGER	DATE	BY	DATE	SIGNATURE
L. HAMILTON	11/23	T. WARREN	11/23	
DESIGN-DETAILED		T. LANDRY		
CHECKED-REVIEWED		D. ETINGER		
DESIGNS DETAILED				
DESIGNS DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

DAYTON
ROUTE 5
CROSS SECTIONS

SHEET NUMBER
16
OF 19

Sta. 300+25.00 to Sta. 300+75.00

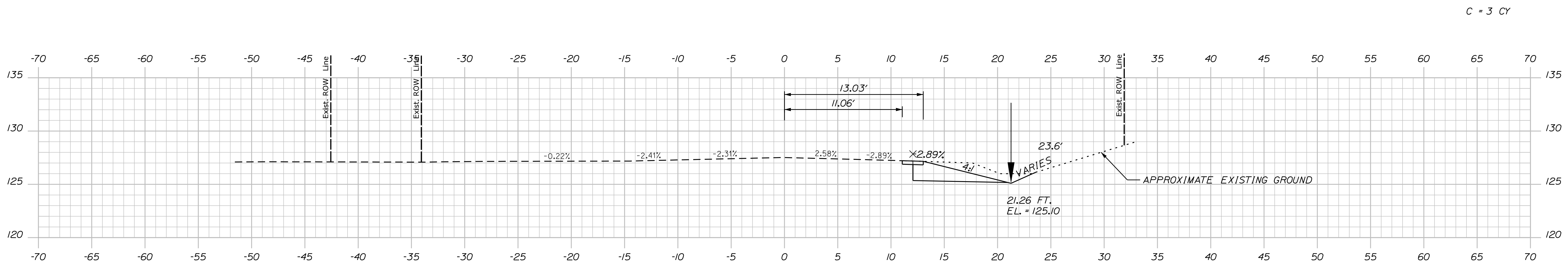
Date: 11/29/2023

Username: Jeff.Fitzmaurice

Division: HIGHWAY

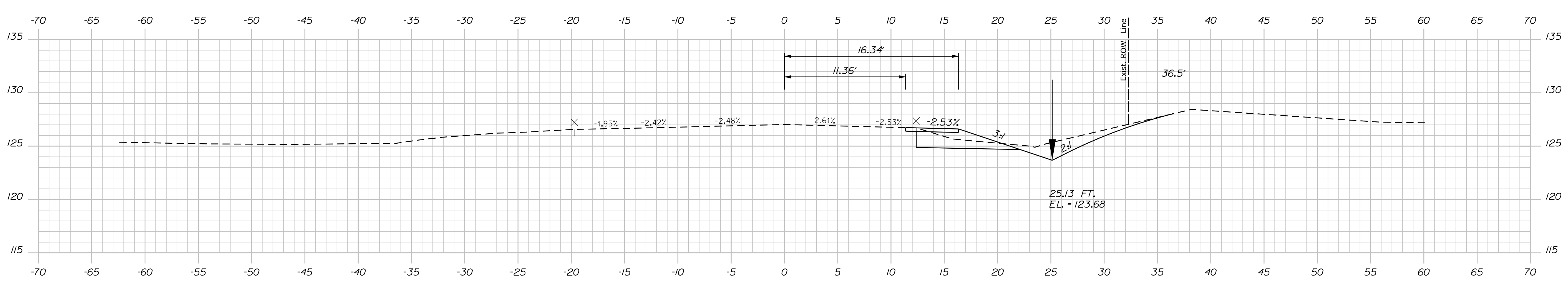
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U:\3570-Dayton Route 5 Culvert\Z - CAD\00\Highway\Xsect.dgn



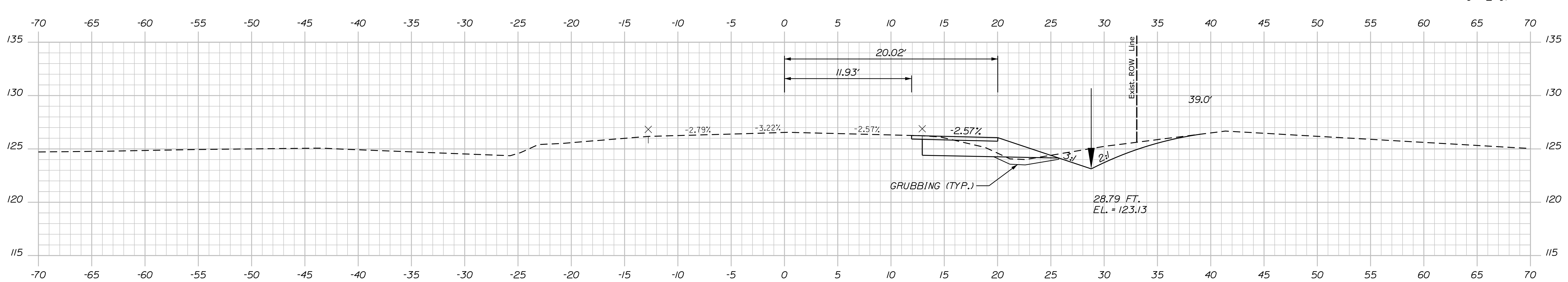
301+50.00

C = 3 CY



301+25.00

C = 16 CY



301+00.00

C = 18 CY
G = 2 CY

C = 20 CY
G = 2 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PROJ. MANAGER: L. HAMILTON
DESIGN-DETAILED: T. LANDRY
CHECKED-REVIEWED: T. LANDRY
DESIGN-DETAILED: T. LANDRY
REVISIONS 1: -
REVISIONS 2: -
REVISIONS 3: -
REVISIONS 4: -
FIELD CHANGES: -

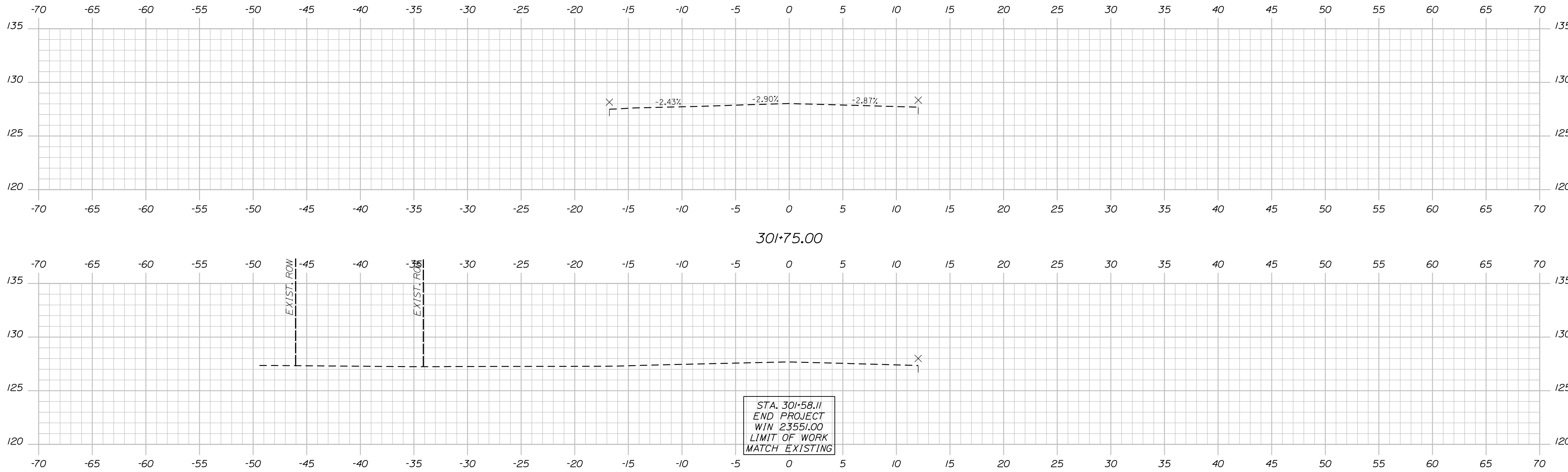
DATE: 11/23/23
BY: T. WARREN, D. ETINGER
SIGNATURE: _____
P.E. NUMBER: _____
DATE: _____

DAYTON
ROUTE 5
CROSS SECTIONS

SHEET NUMBER
17
OF 19

WIN
23551.00
HIGHWAY PLANS

Sta. 301+00.00 to Sta. 301+50.00



STA. 301+58.11
 END PROJECT
 WIN 23551.00
 LIMIT OF WORK
 MATCH EXISTING

301+58.11
 (LIMIT OF WORK)

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION

SIGNATURE
 P.E. NUMBER
 DATE

PROJ. MANAGER	L. HAMILTON	BY	DATE
DESIGN-DETAILED	T. LANDRY	T. WARREN	11/23
CHECKED-REVIEWED	T. LANDRY	D. ETINGER	11/23
DESIGN-DETAILED	-	-	-
DESIGN-DETAILED	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

DAYTON
 ROUTE 5
 CROSS SECTIONS

SHEET NUMBER
 18
 OF 19

WIN
 23551.00
 HIGHWAY PLANS

