

# STATE OF MAINE DEPARTMENT OF TRANSPORTATION



## SPECIFICATIONS

Design: Load and Resistance Factor Design per AASHTO LRFD Bridge Design Specifications, Tenth Edition 2024.

## DESIGN LOADING

Live Load ..... HL - 93 Modified for Strength I

## HYDROLOGIC DATA

Drainage Area ..... 5.56 sq mi  
 Design Discharge (Q50) ..... 480 cfs  
 Check Discharge (Q100) ..... 555 cfs  
 Headwater Elevation (Q1.1) ..... 91.24 ft  
 Headwater Elevation (Q25) ..... 91.94 ft  
 Headwater Elevation (Q50) ..... 91.86 ft  
 Headwater Elevation (Q100) ..... 91.84 ft  
 Discharge Velocity (Q1.1) ..... 0.80 fps  
 Discharge Velocity (Q50) ..... 4.06 fps  
 Discharge Velocity (Q100) ..... 4.60 fps

## MATERIALS

Concrete:  
 Precast ..... Class "P"  
 All Other ..... Class "A"  
 Reinforcing:  
 Plain Reinforcing Steel ..... ASTM A615, Grade 60

## BASIC DESIGN STRESSES

Concrete:  
 Class "A" .....  $f'c = 4,000$  psi  
 Class "P" .....  $f'c = 5,000$  psi  
 Reinforcing:  
 Plain Reinforcing Steel .....  $f_y = 60,000$  psi

## LIST OF DRAWINGS

Title Sheet .....	1
Estimated Quantities & General Construction Notes .....	2
General Plan .....	3
Profile .....	4
Boring Location Plan & Interpretive Subsurface Profile .....	5
Boring Logs .....	6
Typical Sections .....	7
Cross Sections .....	8-14
Box Culvert Details .....	15-16
Detour Plan .....	17
Sign Summary .....	18
Right-of-Way Map .....	19

## UTILITIES

Central Maine Power  
 Tidewater Telecom

## TRAFFIC DATA

Current (2023) AADT .....	1640
Future (2043) AADT .....	1800
DHV - % of AADT .....	13%
Design Hour Volume .....	234
Heavy Trucks (% of AADT) .....	3%
Heavy Trucks (% of DHV) .....	3%
Directional Distribution (% of DHV) .....	70%
18 kip Equivalent P 2.0 .....	36
18 kip Equivalent P 2.5 .....	35
Design Speed (mph) .....	45

## MAINTENANCE OF TRAFFIC

Bridge will be closed during construction with traffic detoured.

# NEWCASTLE LINCOLN COUNTY MEADOW BROOK BRIDGE OVER DEER MEADOW BROOK ROUTE 215 FEDERAL PROJECT NO. 02544900 PROJECT LENGTH 0.070 mi. BRIDGE NO. 2535

<u>PROJECT LOCATION</u>	Meadow Brook Bridge (#2535) over Deer Meadow Brook 1 Mile westerly of intersection with State Route 213 Lat./Long. 44°08'11.83" N 69°55'43.95" W
<u>PROGRAM AREA</u>	Highway - Bridge Traditional
<u>OUTLINE OF WORK</u>	Bridge Replacement

025449.00

NEWCASTLE  
MEADOW BROOK BRIDGE

TITLE SHEET

SHEET NUMBER

1

OF 19

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

APPROVED

DATE

COMMISSIONER:

CHIEF ENGINEER:

PROJECT INFORMATION

BRIDGE PROGRAM

BRIDGES

ERIN NICHOLS

ERIN BREWER

SIGNATURE

P.E. NUMBER

DATE

PROGRAM

PROJECT MANAGER

DESIGNER

CONSULTANT

PROJECT RESIDENT

CONTRACTOR

PROJECT COMPLETION DATE

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.19	Removing Existing Bridge (115 CY)	1	LS
202.202	Removing Pavement Surface	435	SY
203.20	Common Excavation	550	CY
203.2318	Disposal of Special Waste	420	T
203.24	Common Borrow	50	CY
203.25	Granular Borrow	70	CY
203.33	Special Fill	105	CY
203.55	Culvert Bedding Stone	65	CY
206.061	Structural Earth Excavation - Drainage & Minor Structures Below Grade	70	CY
304.10	Aggregate Subbase Course - Gravel	660	CY
403.208	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size	130	T
403.213	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base and Intermediate Base Course)	200	T
409.15	Bituminous Tack Coat - Applied	62	G
508.13	Sheet Waterproofing Membrane (130 SY)	1	LS
511.07	Cofferdam - Downstream	1	LS
511.07	Cofferdam - Upstream	1	LS
515.21	Protective Coating for Concrete Surfaces (80 CY)	1	LS
526.301	Portable Concrete Barrier, Type I (120 LF)	1	LS
534.71	Precast Concrete Box Culvert (195 CY)	1	LS
606.1301	31" W-Beam Guardrail - Mid-Way Splice - Single Faced	262.5	LF
606.1305	31" W-Beam Guardrail - Mid-Way Splice Flared Terminal	4	EA
606.353	Reflectorized Flexible Guardrail Marker	8	EA
610.08	Plain Riprap	50	CY
610.213	Void Filled Riprap	85	CY
613.319	Erosion Control Blanket	128	SY
615.07	Loam	36	CY
618.14	Seeding Method Number 2	5	UN
619.12	Mulch	5	UN
619.14	Erosion Control Mix	36	CY
620.54	Stabilization/Reinforcement Geotextile	230	SY
620.58	Erosion Control Geotextile	150	SY
627.733	4" White or Yellow Painted Pavement Marking Line	1150	LF
627.78	Temporary 4" Painted Pavement Marking Line, White or Yellow	1150	LF
629.05	Hand Labor, Straight Time	10	HR
631.12	All Purpose Excavator (including operator)	10	HR
631.14	Grader (including operator)	10	HR
631.15	Roller (Earth and Base operator)	10	HR
631.172	Truck-large (including operator)	10	HR
639.19	Field Office, Type B	1	EA
652.312	Type III Barricades	4	EA
652.33	Drum	20	EA
652.34	Cone	20	EA
652.35	Construction Signs	400	SF
652.361	Maintenance of Traffic Control Devices	1	LS
652.38	Flaggers	150	HR
652.41	Portable-Changeable Message Sign	2	EA
656.75	Temporary Soil Erosion and Water Pollution Control	1	LS
659.10	Mobilization	1	LS
834.322	Dry Hydrant - Install Only	1	LS

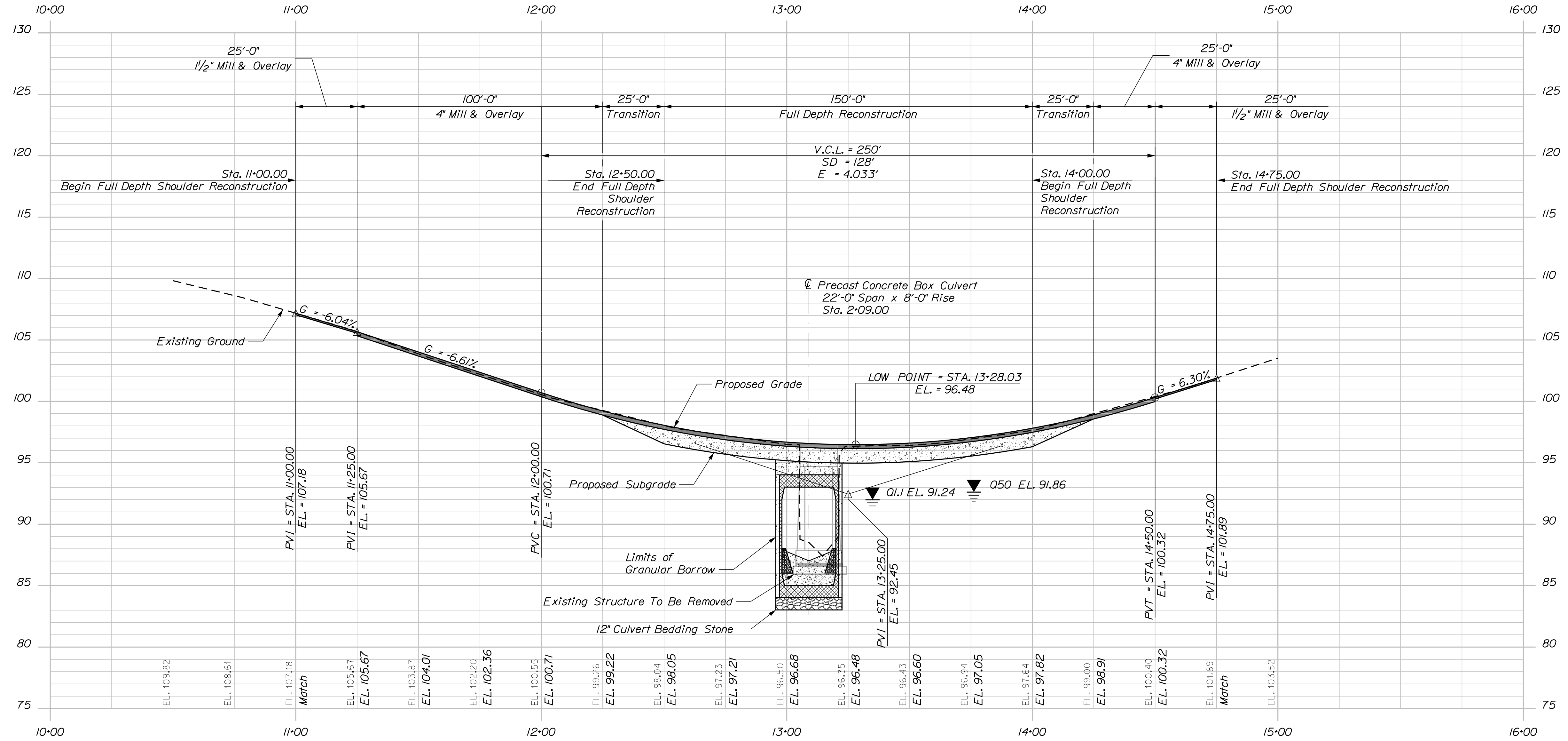
**GENERAL CONSTRUCTION NOTES**

- For easements, construction limits, and right of way lines, refer to the Right of Way Map.
- The clearing limits as shown on the plans are approximate. The exact limits will be established in the field by the Resident. Payment for clearing will be considered incidental to Contract items.
- All utility facilities shall be adjusted by the respective utilities unless otherwise noted.
- Existing signs within the Project limits shall be removed and reset as directed by the Resident. Payment for removal and reinstallation of existing signs will be considered incidental to the Contract. No separate payment will be made.
- Do not excavate for Aggregate Subbase Course where existing material is suitable as determined by the Resident.
- In areas where the Resident directs the Contractor not to excavate to the subgrade line shown on the plans, payment for removing existing pavement, grubbing, shaping, ditching, and compacting the existing subbase and layers of new subbase 6 inches or less thick will be made under appropriate equipment rental items.
- All embankment material, except as otherwise shown, placed below EL 91.86 shall be Granular Borrow meeting the requirements of Standard Specifications Subsection 703.19, Granular Borrow, for Material for Underwater Backfill. Backfill material for the precast box culvert shall conform with the requirements for Granular Borrow for Underwater Backfill with a maximum aggregate size of 4 inches per Standard Specification 534.
- Place loam 2 inches deep on all new or reconstructed sideslopes or as directed by the Resident.
- Erosion Control Mix may be substituted in those areas normally receiving loam and seed as directed by the Resident. Placement shall be in accordance with Standard Specifications Section 619, Mulch. Payment will be made under Pay Item 619.14, Erosion Control Mix.
- Place a 24 inch wide strip of Erosion Control Blanket on the sideslopes along the top of the riprap and behind the wingwalls.
- Where it is apparent that runoff will cause continual erosion, Erosion Control Blanket, seeded gutters, riprap downspouts, and other gutters lined with Stone Ditch Protection shall be constructed after paving and shoulder work is completed. Payment will be made under the appropriate Contract items.
- Guardrail posts as shown in the Standard Details shall be modified from the indicated length of 7 feet to a length of 8 feet with an embedment of 5.25 feet. Payment will be considered incidental to the guardrail pay items.
- Guardrail posts and beams over the Box Culvert shall be 31" W-Beam Guardrail - Mid-Way Splice - Single Faced and modified as shown in Standard Detail 606(22) Guardrail Treatment over Buried Structures.
- A MASH compliant guardrail end treatment shall be installed concurrently with the placement of each section of beam guardrail.
- Protective Coating for Concrete Surfaces shall be applied to the following areas:  
Concrete headwalls, including to one foot inside the box;  
Exposed tops of vertical walls and to one foot below the ground on the back side;  
Exposed faces of vertical walls and to one foot inside the box.

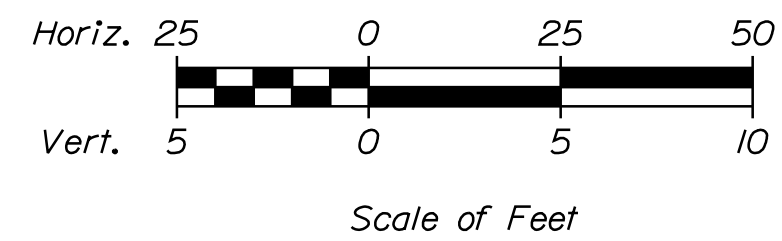
- Project information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/mdot/contractors/>
- Reports on hydrology and/or hydraulics applicable to the bridge site may be accessed at the MaineDOT web address. The reports are based on MaineDOT's interpretation of the information obtained for the subject site. No assurance is given that the information or the conclusions of the report will be representative of actual conditions at the time of construction.
- The project geotechnical report titled: Geotechnical Design Report Meadow Brook Bridge Culvert Replacement Bridge No. 2535 Newcastle, Maine, January 8, 2025 may be accessed at the MaineDOT web address.
- Geotechnical information furnished or referred to in this plan set is for the use of the Bidders and the Contractor. No assurance is given that the information or interpretations will be representative of actual subsurface conditions at the construction site. MaineDOT will not be responsible for the Bidders' or Contractor's interpretations of, or conclusions drawn from, the geotechnical information. The boring logs contained in the plan set present factual and interpretive subsurface information collected at discrete locations. Data provided may not be representative of the subsurface conditions between the boring locations.
- Quantities included for pay items measured and paid for by Lump Sum are estimated quantities and are provided by MaineDOT for informational purposes only. Lump Sum pay items will be paid for at the Contract Bid amount, with no addition or reduction in payment to the Contractor if the actual final quantities are different from the MaineDOT provided estimated quantities, except as follows:  
a. If a Lump Sum pay item is eliminated, the requirements of Standard Specifications Section 109.2, Elimination of Items, will take precedence.  
b. If other Contract Documents specifically allow a change in payment for a Lump Sum pay item, those requirements will be followed.  
c. If a design change results in changes to estimated quantities for Lump Sum pay items, price adjustments will be made in accordance with Standard Specifications Section 109.7, Equitable Adjustments to Compensation and Time.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		02544900		WIN		025449.00		BRIDGE NO. 2535		BRIDGE PLANS			
MEADOW BROOK BRIDGE				DEER MEADOW BROOK				LINCOLN COUNTY				NEWCASTLE			
ESTIMATED QUANTITIES &				GENERAL CONSTRUCTION NOTES				SHEET NUMBER				2			
OF 19				DATE				SIGNATURE				P.E. NUMBER			
DATE				BY				DESIGN-DETAILED				CHECKED-REVIEWED			
FEB 2026				BRIAN NICHOLS				EKB				EKB			
FEB 2026				GAG				DESIGNS-DETAILED				DESIGNS-DETAILED			
REVISIONS 1				REVISIONS 2				REVISIONS 3				REVISIONS 4			
FIELD CHANGES				FIELD CHANGES				FIELD CHANGES				FIELD CHANGES			





**PROFILE**

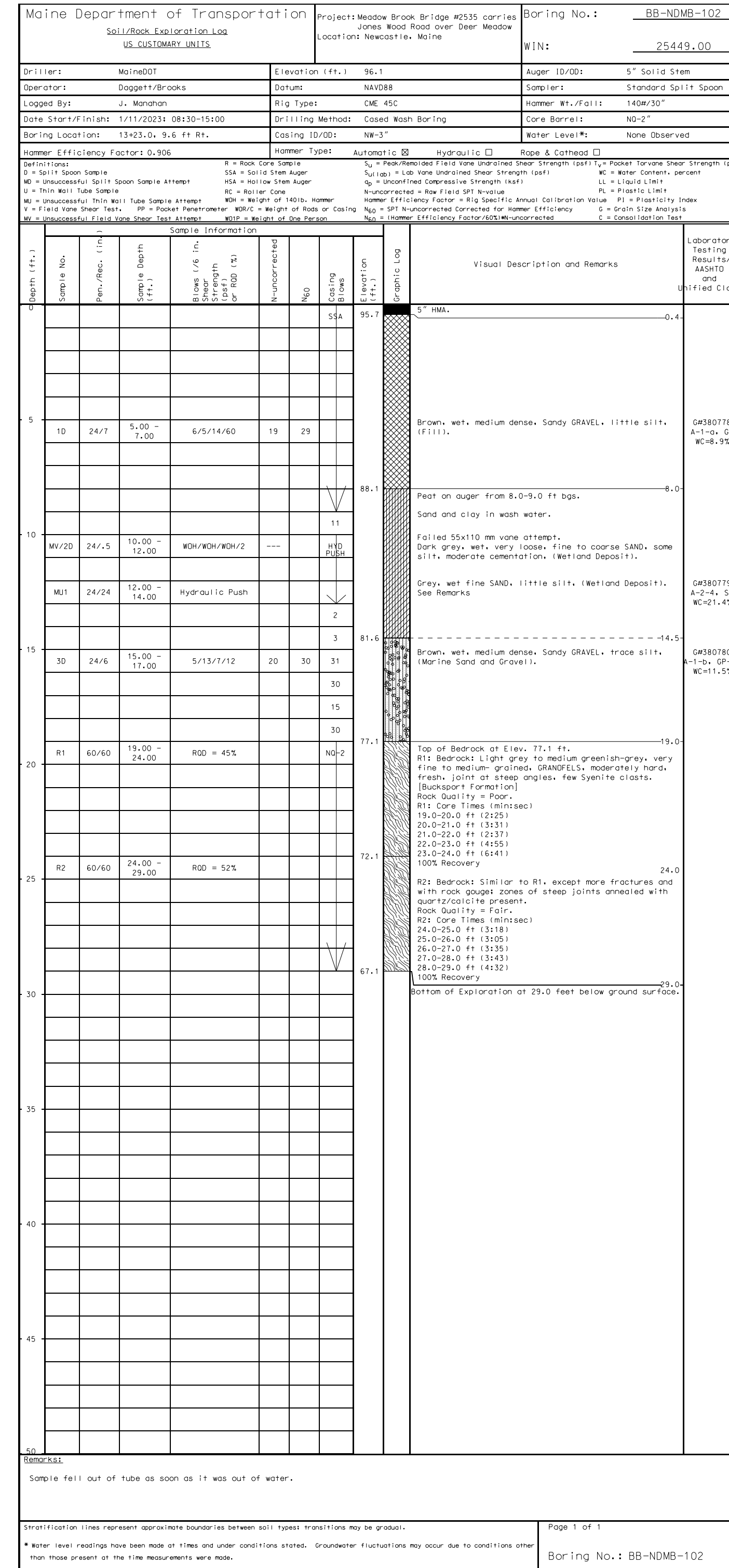
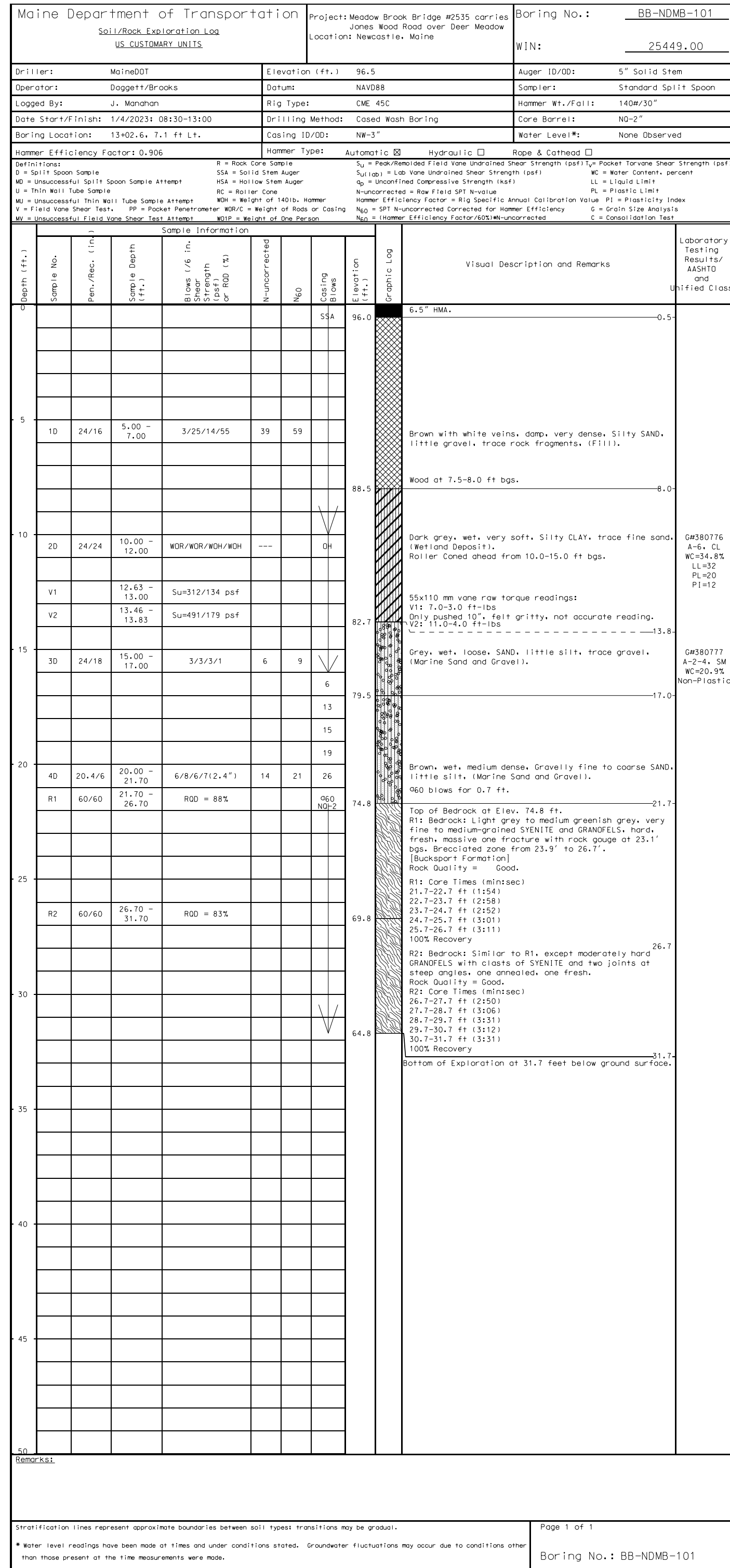


DESIGNED	DATE	SIGNATURE
CHECKED	DATE	
DESIGNED	DATE	P.E. NUMBER
REVISIONS 1	DATE	
REVISIONS 2	DATE	DATE
REVISIONS 3	DATE	
REVISIONS 4	DATE	FIELD CHANGES

PROJ. MANAGER	BRIAN NICHOLS	BY	DATE
DESIGN DETAILED	EJB	EKB	FEB 2026
CHECKED/REVIEWED	GAG	EJB	FEB 2026
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

MEADOW BROOK BRIDGE  
DEER MEADOW BROOK  
NEWCASTLE  
LINCOLN COUNTY  
**PROFILE**





**STATE OF MAINE**  
**DEPARTMENT OF TRANSPORTATION**  
**2544900**  
**WIN 25449.00**  
**BRIDGE NO. 2535**  
**BRIDGE PLANS**

---

**MEADOW BROOK BRIDGE**  
**DEER MEADOW BROOK**  
**NEWCASTLE LINCOLN COUNTY**  
**BORING LOGS**

---

DESIGNED BY	DATE	BY
DESIGNED-DETAILED	02/2026	BRIAN NICHOLS
CHECKED-REVIEWED		EKK
DESIGNED-DETAILED		LURUSKI
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		

**SIGNATURE**  
**P.E. NUMBER**  
**DATE**

---

**SHEET NUMBER**  
**6**  
**OF 19**

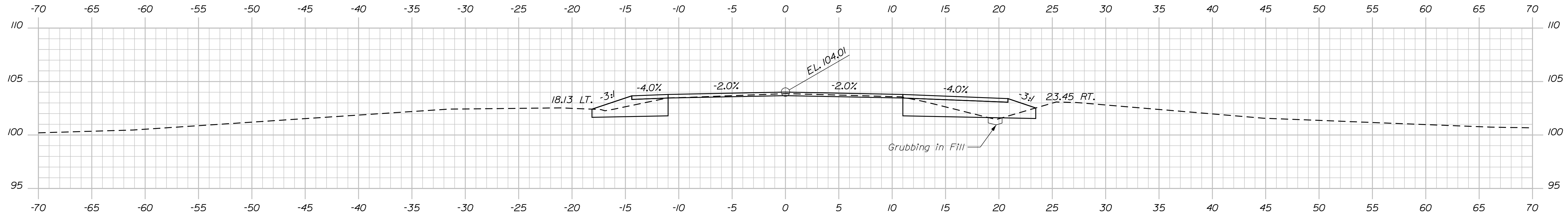


Date: 2/27/2026

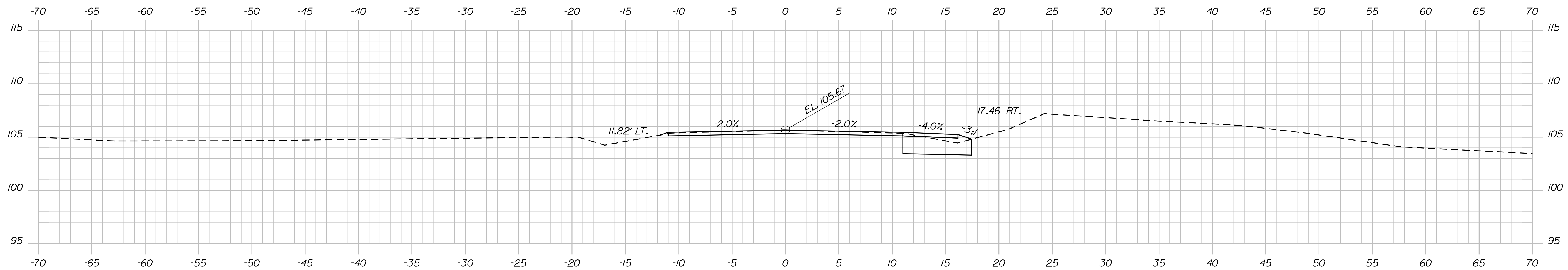
Username: Brian.Nichols

Division: BRIDGE

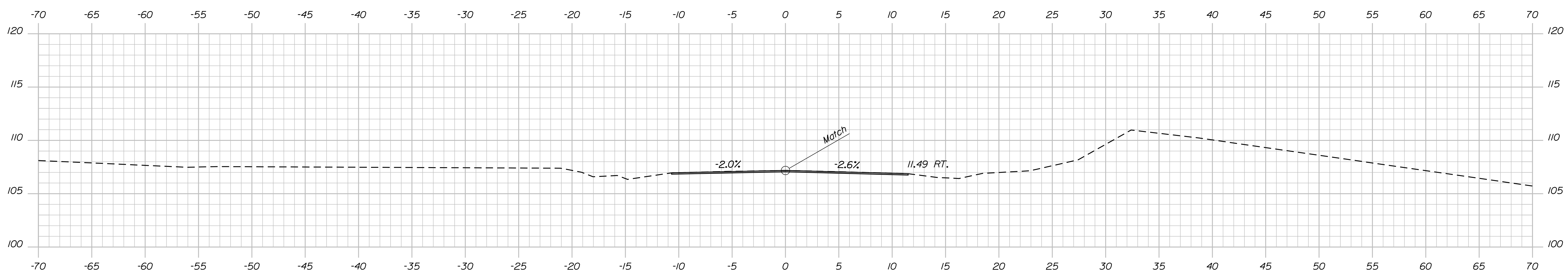
Filename: ... \MSTA\008\_XSECT\_11+00\_001.dgn



11+50.00



11+25.00 End 1/2" Mill & Overlay  
Begin 4" Mill & Overlay



11+00.00 Begin 1/2" Mill & Overlay  
Begin Full Depth Shoulder Reconstruction  
Match Existing

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
02544900  
WIN 025449.00  
BRIDGE NO. 2535 BRIDGE PLANS

DESIGNED	DATE
CHECKED	FEB 2026
DESIGNED	FEB 2026
CHECKED	FEB 2026
DESIGNED	SIGNATURE
REVISIONS 1	P.E. NUMBER
REVISIONS 2	DATE
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

PROJ. MANAGER BRIAN NICHOLS  
DESIGNED EBN  
CHECKED EBN  
DESIGNED GAG  
CHECKED GAG  
DESIGNED  
CHECKED  
REVISIONS 1  
REVISIONS 2  
REVISIONS 3  
REVISIONS 4  
FIELD CHANGES

MEADOW BROOK BRIDGE  
DEER MEADOW BROOK  
NEWCASTLE LINCOLN COUNTY  
CROSS SECTIONS

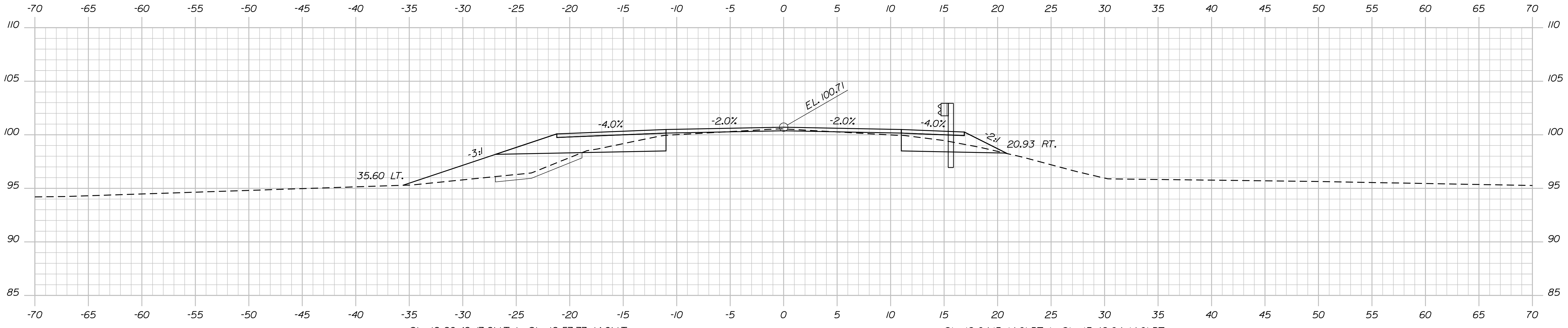
SHEET NUMBER  
8  
OF 19

Date: 2/27/2026

Username: Brian.Nichols

Division: BRIDGE

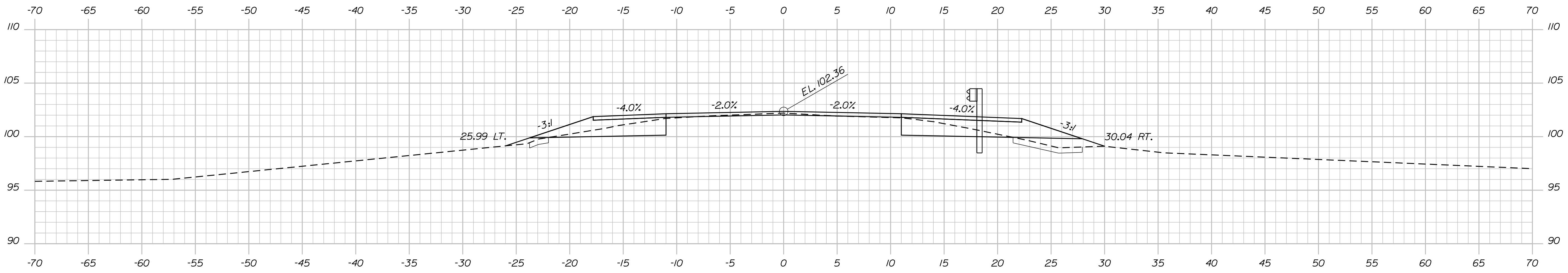
Filename: ... \MSTA\009\_XSECT\_1166\_002.dgn



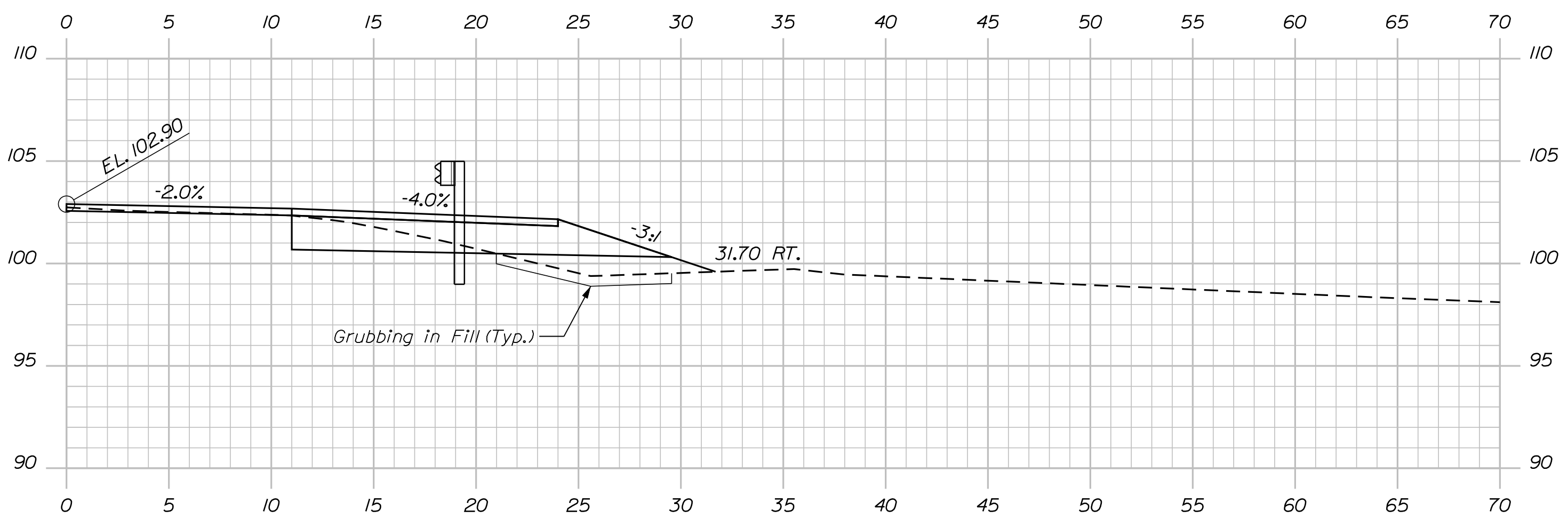
Sta. 12+20.49, 17.9' LT to Sta 12+57.77, 14.0' LT  
 Install ReflectORIZED Flexible Guardrail Markers (2)  
 Install 3" W-Beam Mid-Way Splice Flared Terminal

12+00.00

Sta 12+04.15, 14.0' RT to Sta. 13+42.04, 14.0' RT  
 Install 137.5 LF 3" W-Beam Guardrail, Mid-way Splice



11+75.00



11+66.87

Sta. 11+66.87, 18.0' RT to Sta 12+04.15, 14.0' RT  
 Install ReflectORIZED Flexible Guardrail Markers (2)  
 Install 3" W-Beam Mid-Way Splice Flared Terminal

STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 02544900  
 WIN 025449.00  
 BRIDGE NO. 2535  
 BRIDGE PLANS

DATE	SIGNATURE
FEB 2026	
FEB 2026	
DATE	P.E. NUMBER

PROJ. MANAGER	BRIAN NICHOLS
DESIGN-DETAILED	EKB
CHECKED-REVIEWED	EKB
DESIGN-DETAILED	GAG
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

MEADOW BROOK BRIDGE  
 DEER MEADOW BROOK  
 NEWCASTLE LINCOLN COUNTY  
 CROSS SECTIONS

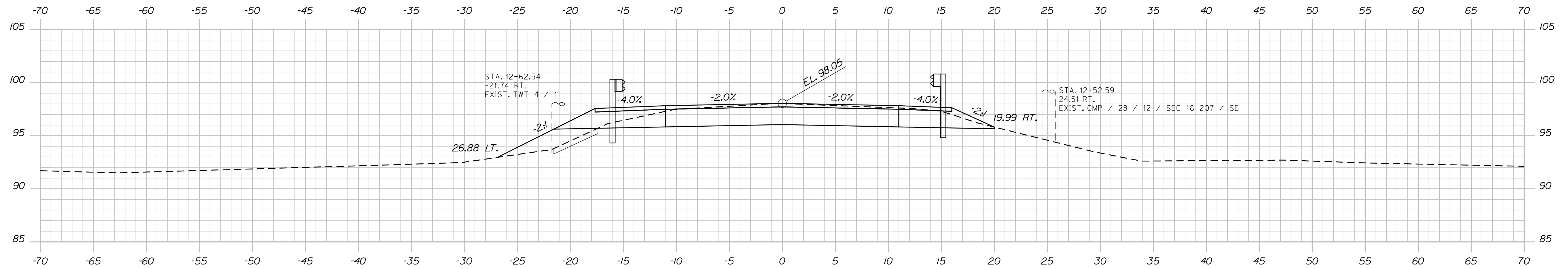
SHEET NUMBER  
 9  
 OF 19

Date: 2/27/2026

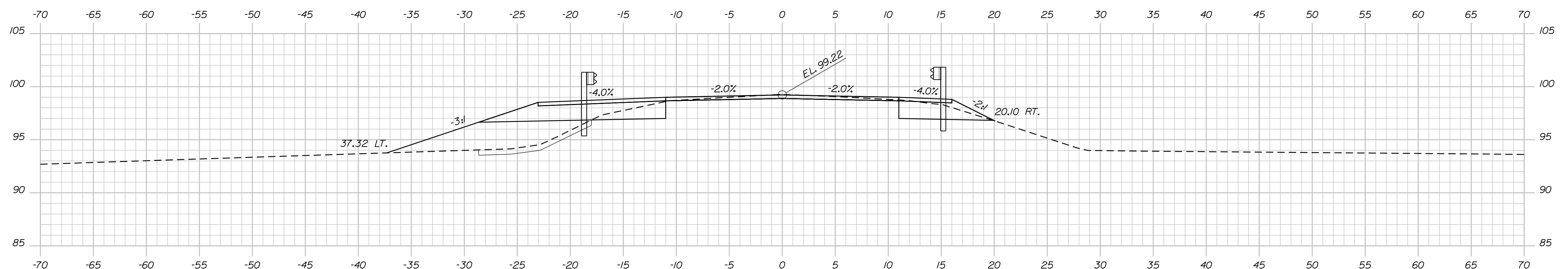
Username: Brian.Nichols

Division: BRIDGE

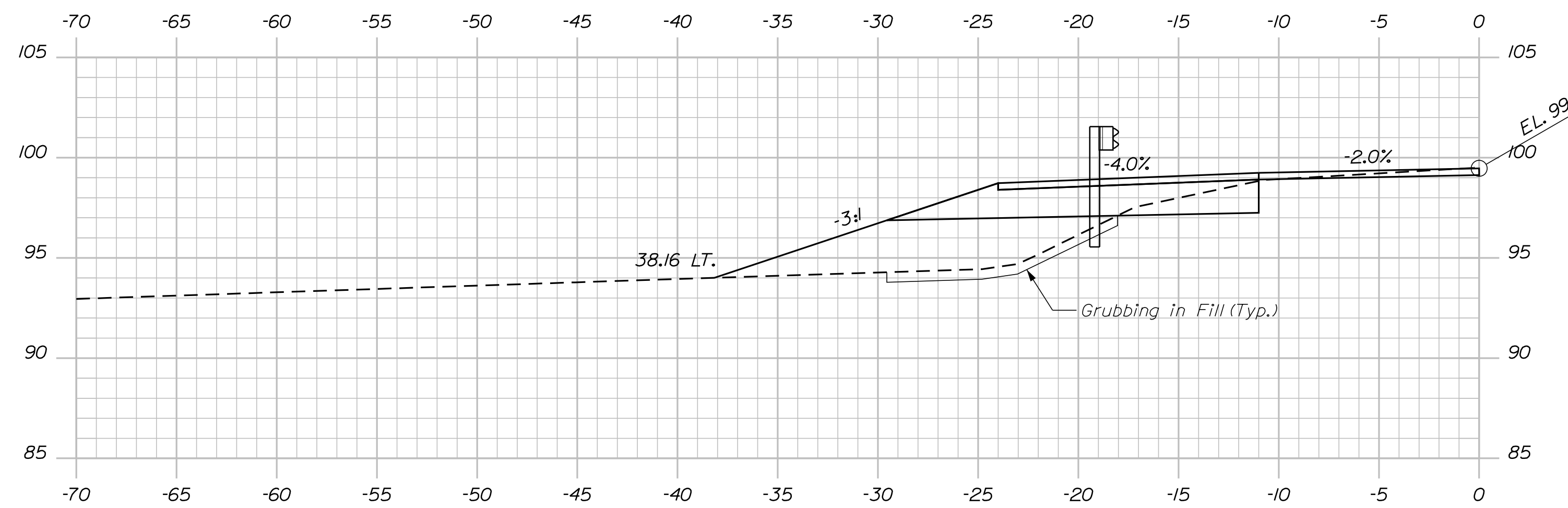
Filename: ... \MSTAD10\_XSECT\_12\*20\_003.dgn



Sta 12+57.77, 14.0' LT to Sta. 13+82.06, 14.0' LT  
 Install 125 LF 3" W-Beam Guardrail, Mid-way Splice  
 12+50.00 End Transition  
 End Full Depth Shoulder Reconstruction



12+25.00 End 4" Mill & Overlay  
 Begin Transition



12+20.49

STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 02544900  
 WIN 025449.00  
 BRIDGE NO. 2535  
 BRIDGE PLANS

DATE	SIGNATURE
FEB 2026	
BY	P.E. NUMBER
EKK	
EBB	
DATE	

PROJ. MANAGER	BRIAN NICHOLS
DESIGN/DETAILED	EBB
CHECKED/REVIEWED	EKK
DESIGN/DETAILED	GAG
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

MEADOW BROOK BRIDGE  
 DEER MEADOW BROOK  
 NEWCASTLE  
 LINCOLN COUNTY  
 CROSS SECTIONS

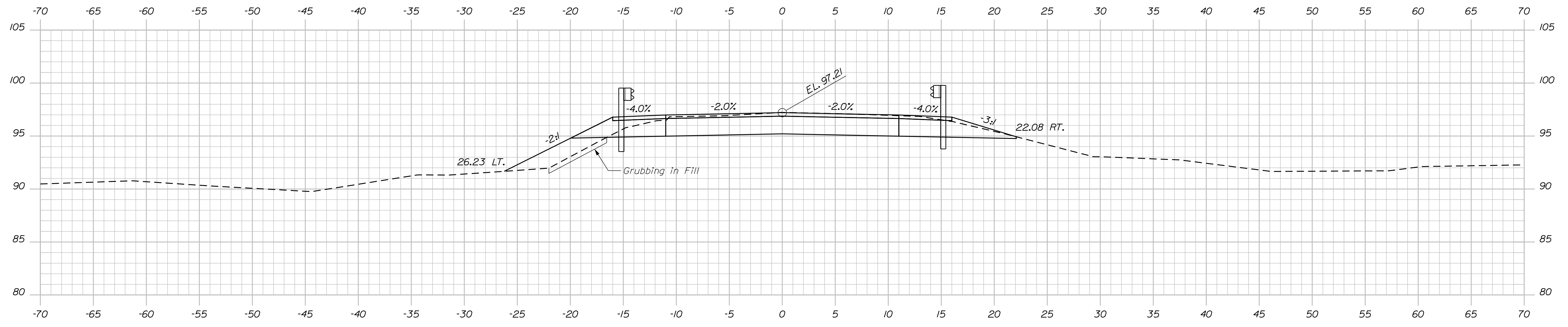
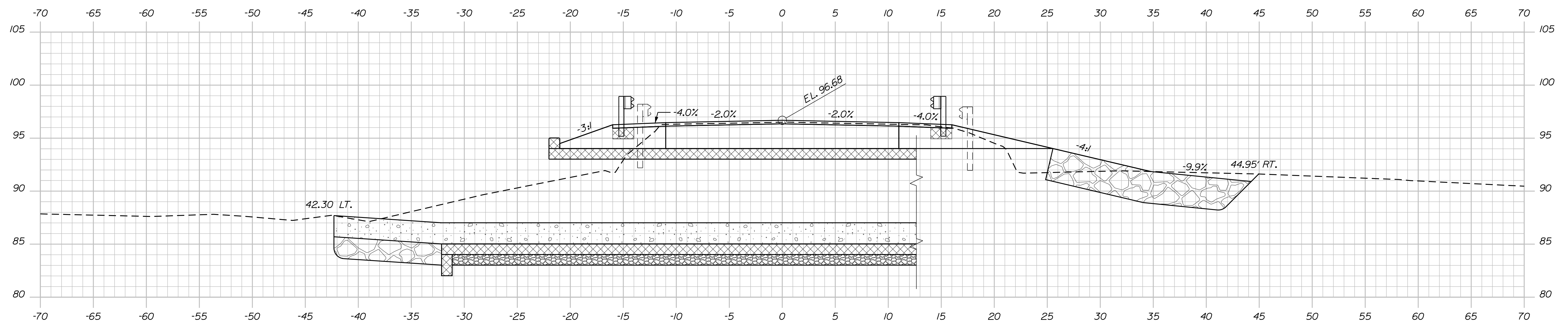
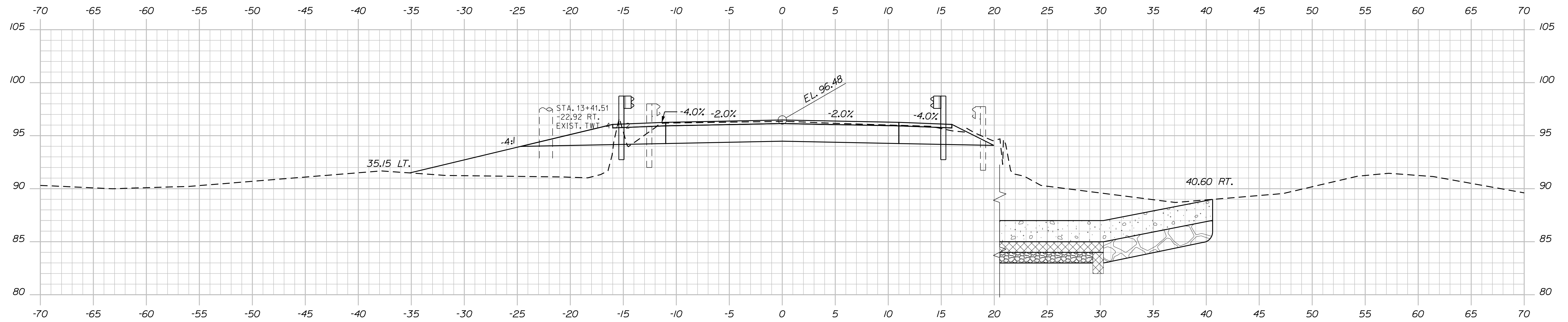
SHEET NUMBER  
 10  
 OF 19

Date: 2/27/2026

Username: Brian.Nichols

Division: BRIDGE

Filename: ... \MSTA011\_XSECT\_12+75\_004.dgn



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
02544900  
WIN  
025449.00  
BRIDGE NO. 2535  
BRIDGE PLANS

PROJ. MANAGER	DATE	BY	DATE
BRIAN NICHOLS <td>FEB 2026 <td>EKK <td>FEB 2026 </td></td></td>	FEB 2026 <td>EKK <td>FEB 2026 </td></td>	EKK <td>FEB 2026 </td>	FEB 2026
		EKB <td></td>	

DESIGN/DETAILED	CHECKED/REVIEWED	DESIGN/DETAILED	REVISIONS	DATE
GAG	GAG		1	
			2	
			3	
			4	

MEADOW BROOK BRIDGE  
DEER MEADOW BROOK  
NEWCASTLE  
LINCOLN COUNTY  
CROSS SECTIONS

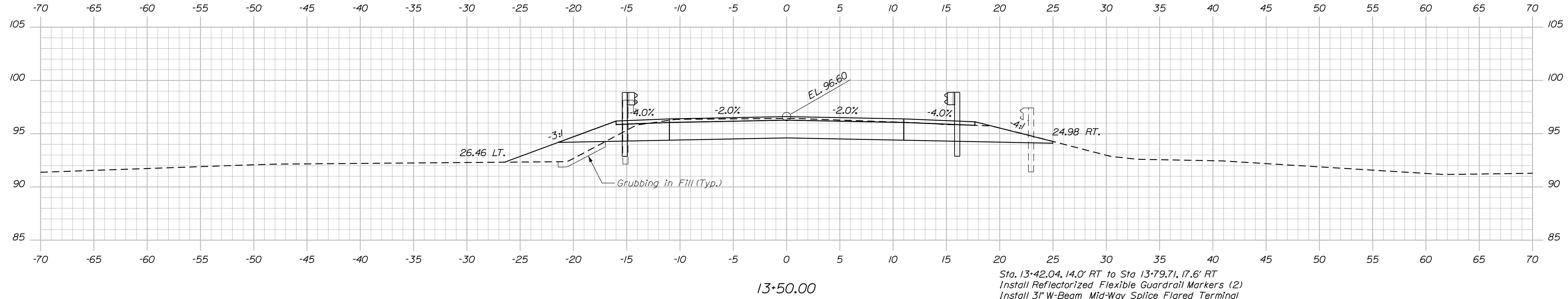
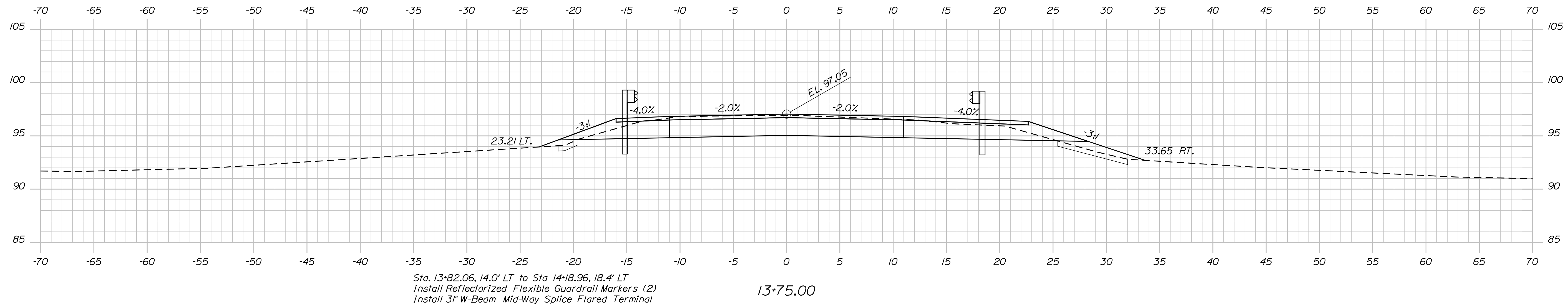
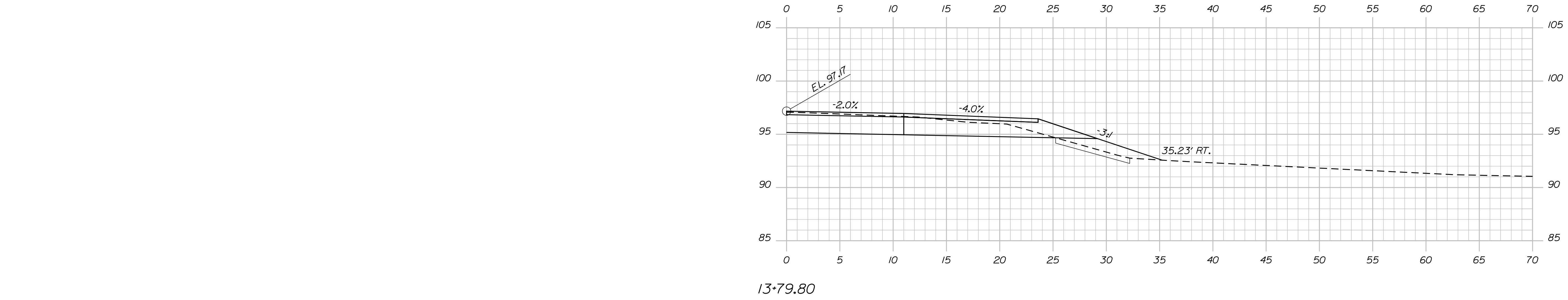
SHEET NUMBER  
**11**  
OF 19

Date: 2/27/2026

Username: Brian.Nichols

Division: BRIDGE

Filename: ... \MSTAD12\_XSECT\_13+50\_005.dgn



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
02544900  
WIN  
025449.00  
BRIDGE NO. 2535  
BRIDGE PLANS

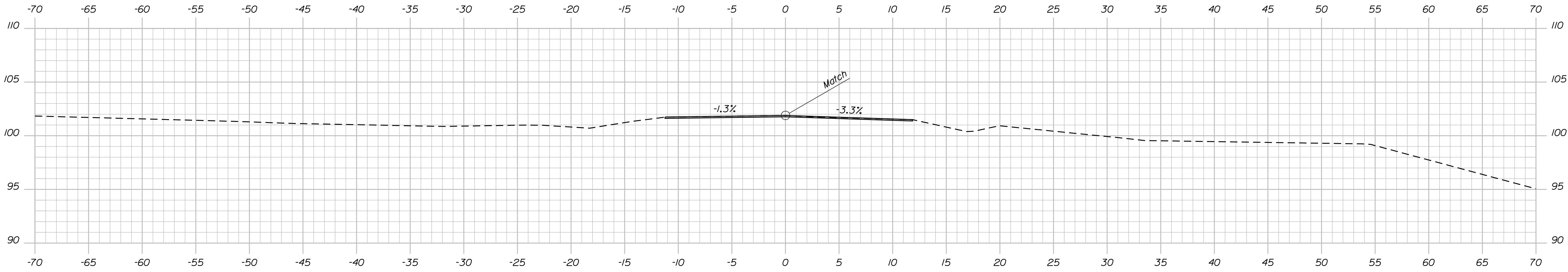
DATE	SIGNATURE
FEB 2026	
FEB 2026	
BY	P.E. NUMBER
EKK	
EKB	
DATE	

PROJ. MANAGER	BRIAN NICHOLS
DESIGN/DETAILED	EKB
CHECKED/REVIEWED	EKB
DESIGN/DETAILED	GAG
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

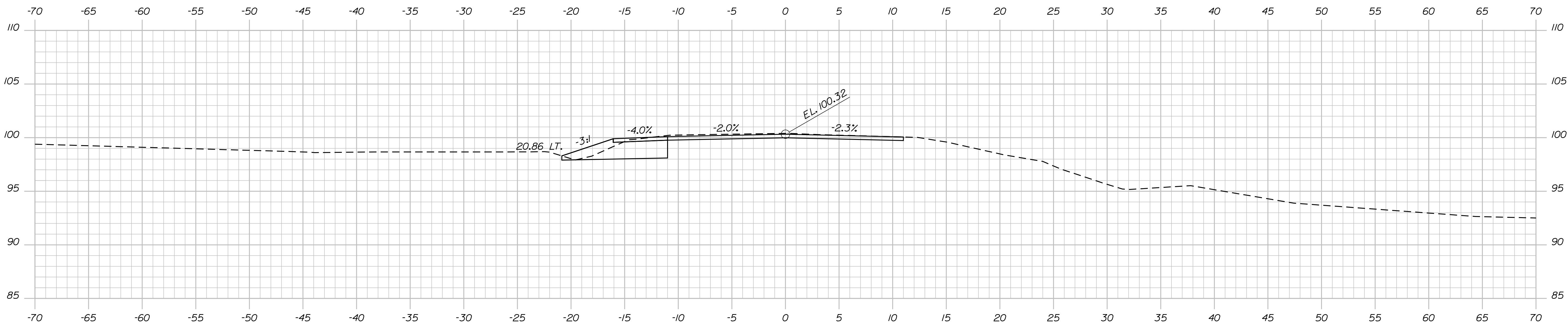
MEADOW BROOK BRIDGE  
DEER MEADOW BROOK  
NEWCASTLE  
LINCOLN COUNTY  
CROSS SECTIONS

SHEET NUMBER  
**12**  
OF 19





14+75.00 End 1/2" Mill & Overlay  
 End Full Depth Shoulder Reconstruction  
 Match Existing



14+50.00 End 4" Mill & Overlay  
 Begin 1/2" Mill & Overlay

STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 02544900  
 WIN  
 025449.00  
 BRIDGE NO. 2535  
 BRIDGE PLANS

PROJ. MANAGER	BRIAN NICHOLS	BY	DATE
DESIGN DETAILED	EKB	EKB	FEB 2026
CHECKED-REVIEWED	GAG	EKB	FEB 2026
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

MEADOW BROOK BRIDGE  
 DEER MEADOW BROOK  
 LINCOLN COUNTY  
 NEWCASTLE  
 CROSS SECTIONS

SHEET NUMBER  
 14  
 OF 19

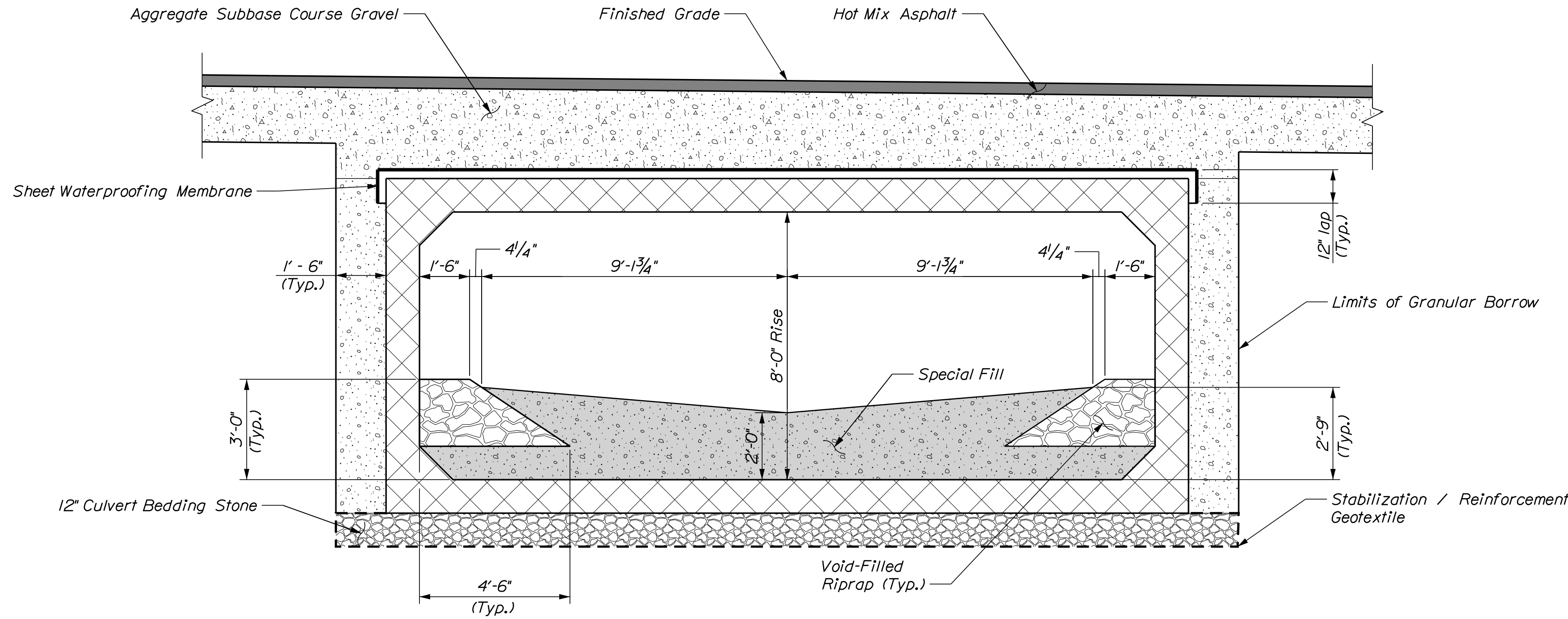


Date: 3/2/2026

Username: Erin Brewer

Division: BRIDGE

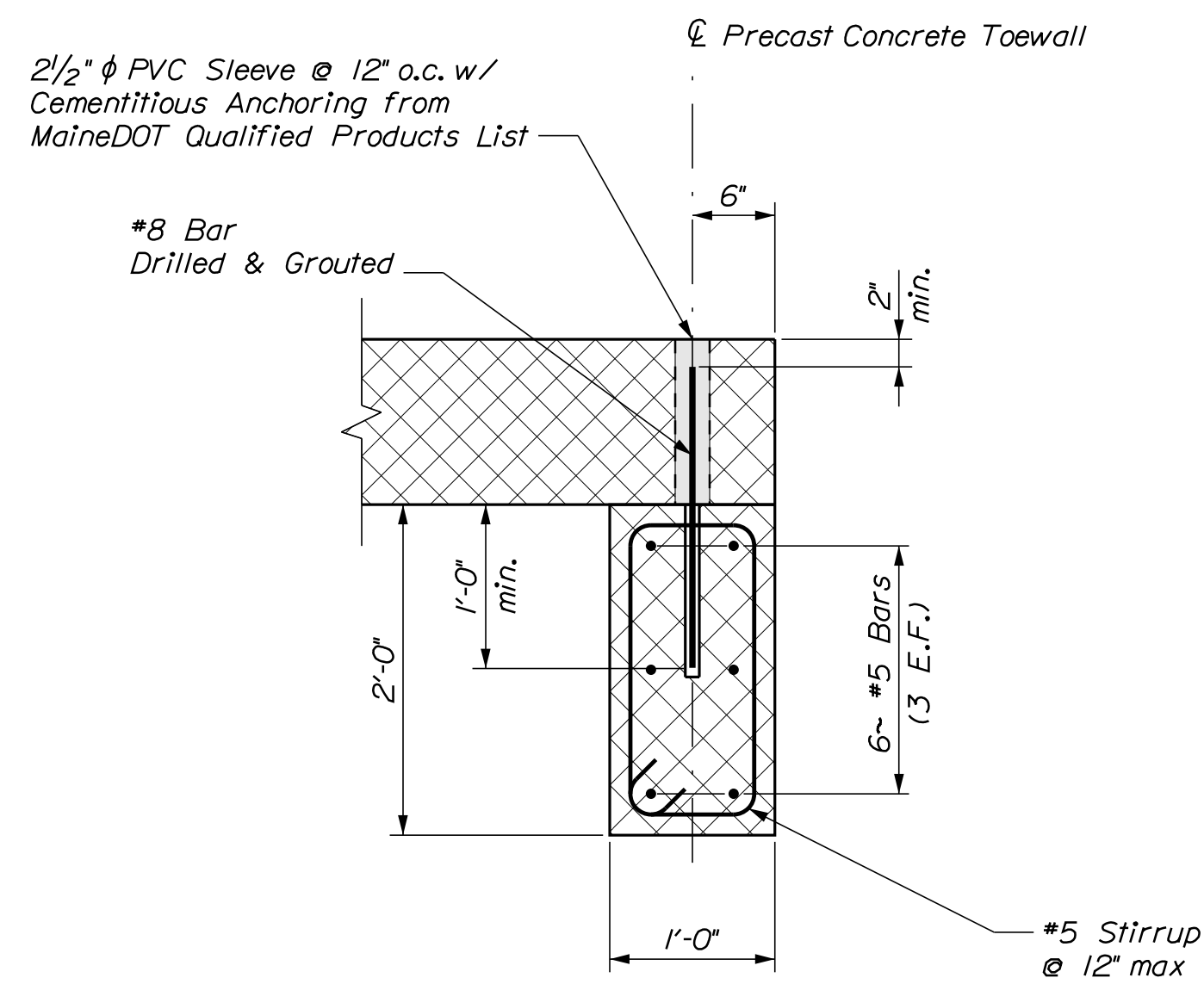
Filename: ... \016\_Box\_Culvert Details\_2.dgn



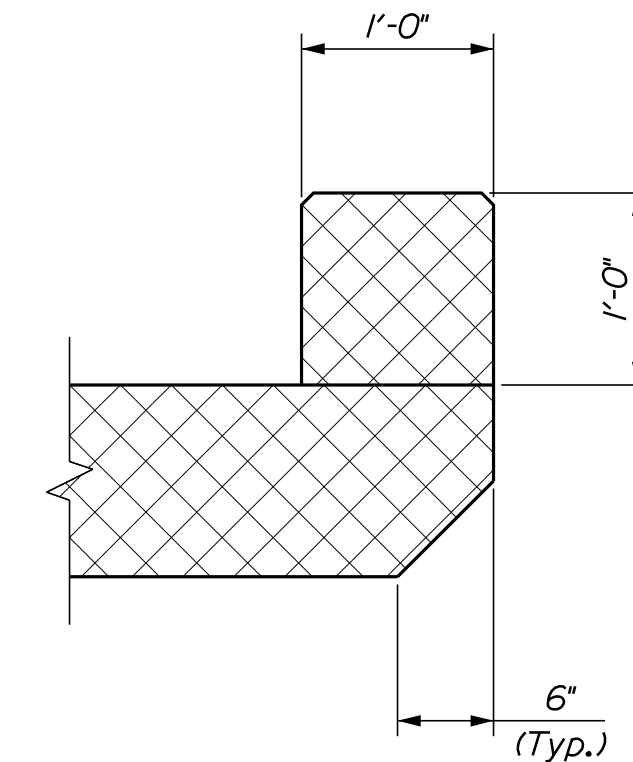
PRECAST CONCRETE BOX CULVERT SECTION

PRECAST CONCRETE BOX CULVERT NOTES

- The precast units shall be designed to carry construction loadings with a minimum fill cover of 18 inches over the top of the units.
- In accordance with Standard Specification Subsection 534.04, Precast Structural Concrete, the Contractor shall submit design calculations for the precast structure to the Department for review. The calculations shall demonstrate that the factored bearing pressures at the Strength Limit and Service Limit States do not exceed the factored geotechnical bearing resistances provided in the project geotechnical design report.
- Install waterproofing membrane over the top and to 12 inches down the exterior sides of the precast units. Completely fill the exterior face of joints between precast units and cover with a minimum 12-inch-wide joint wrap. All materials shall be selected from the Department GPL. Joint wrap will be incidental to related pay items.
- The Contractor shall maintain the excavation so that the box culvert and culvert bedding layer are installed in-the-dry. Groundwater shall be controlled by pumping from sumps or other dewatering systems selected by the Contractor. Cofferdams may be required to divert flow away from the excavation during construction. Where excavation side slopes are cut back, excavation slope geometries shall be in accordance with OSHA regulations, or flatter.
- The box culvert will bear on a 1-foot thick layer of Underdrain Backfill Material, Type C (Culvert Bedding Stone) separated from the native Marine Sand and Gravel on the bottom and sides by Stabilization/Reinforcement Geotextile. It is anticipated that a Wetland deposit will be encountered below the culvert bearing elevation and extend 0.5 to 1.5 feet below the bottom of the culvert bedding layer. Prior to placing the Stabilization/Reinforcement Geotextile and culvert bedding material, all unsuitable clay, silt or organics from the Wetland deposit shall be removed and replaced with Underdrain Backfill Material, Type C.
- The native soil subgrade shall be excavated using a smooth-edged bucket and to avoid disturbance of the subgrade. The contractor shall not operate heavy equipment over the excavated subgrade to minimize subgrade disturbance. Limit vibration-induced disturbance to the saturated subgrade. If the subgrade is disturbed, weakened, or overexcavated, the Contractor shall excavate the disturbed material and replace with compacted Underdrain Backfill Material, Type C, to the subgrade level at the Contractor's expense.
- The Stabilization/Reinforcement Geotextile shall be deployed onto the prepared subgrade prior to installing the culvert bedding material. Adjoining sections of the geotextile shall be overlapped by a minimum of 2 feet. The culvert bedding material shall be placed in maximum 6-inch-thick lifts and each lift compacted with several passes of a walk-behind roller or large plate compactor.



PRECAST CONCRETE TOEWALL DETAIL



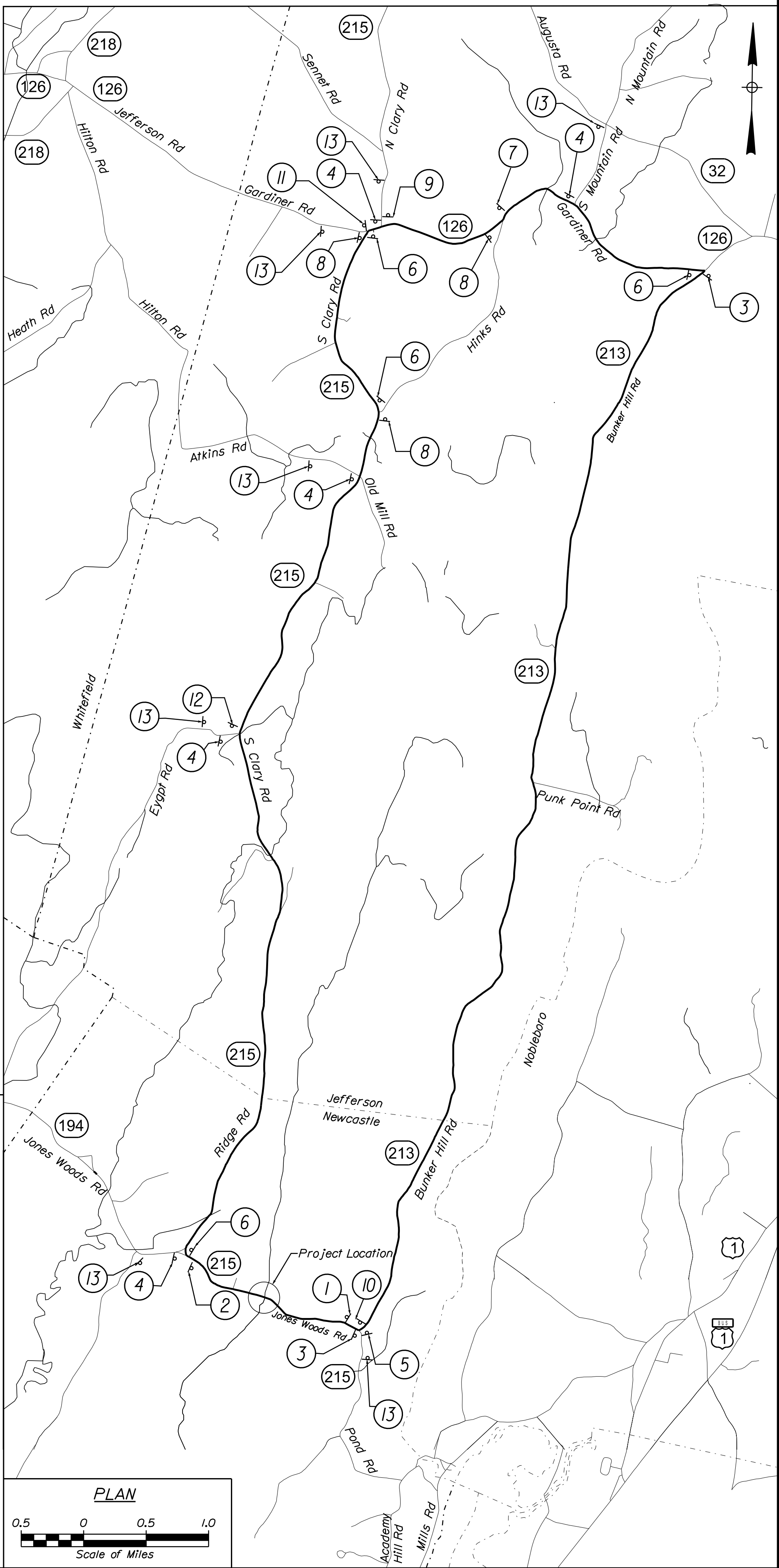
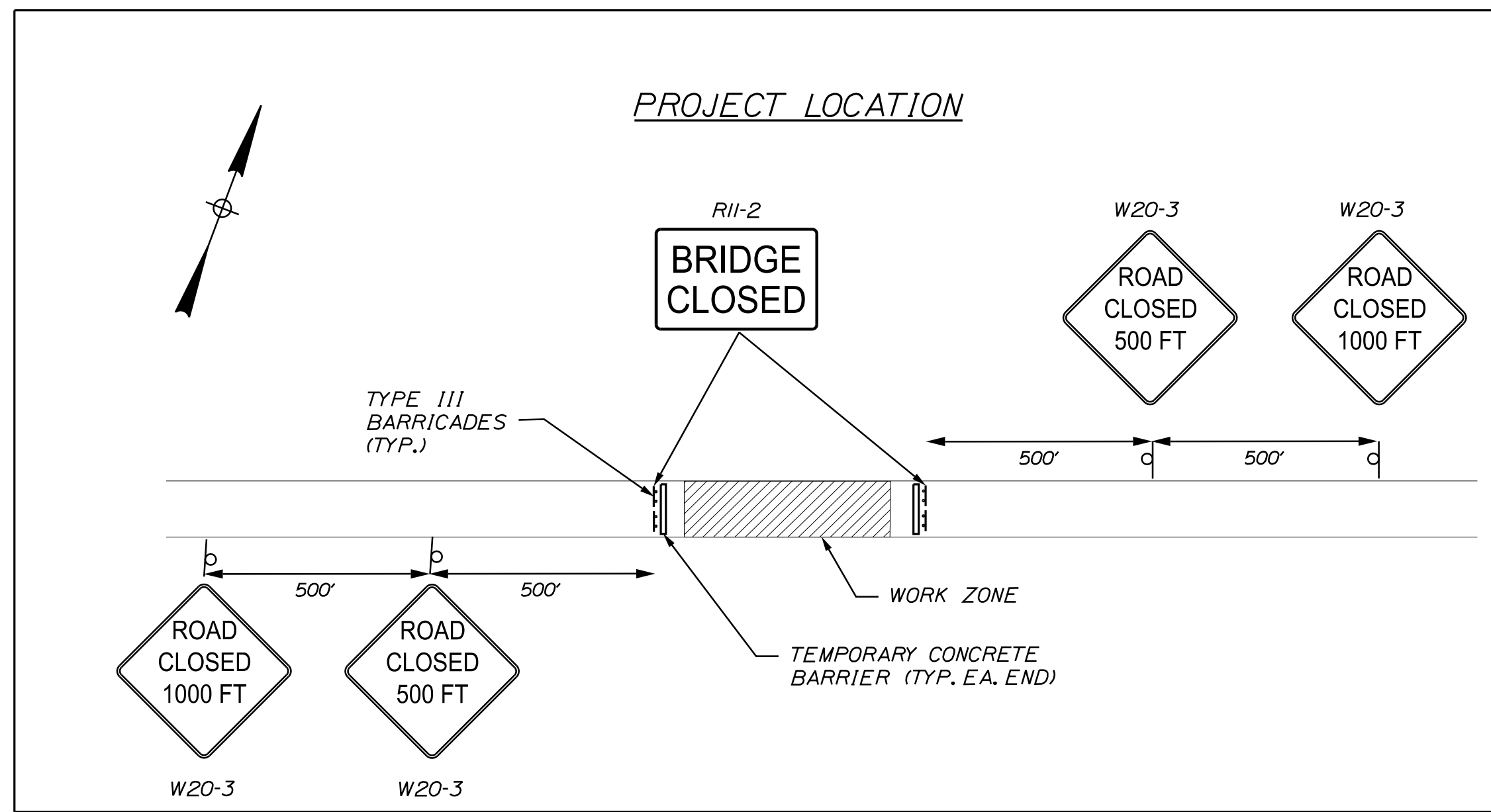
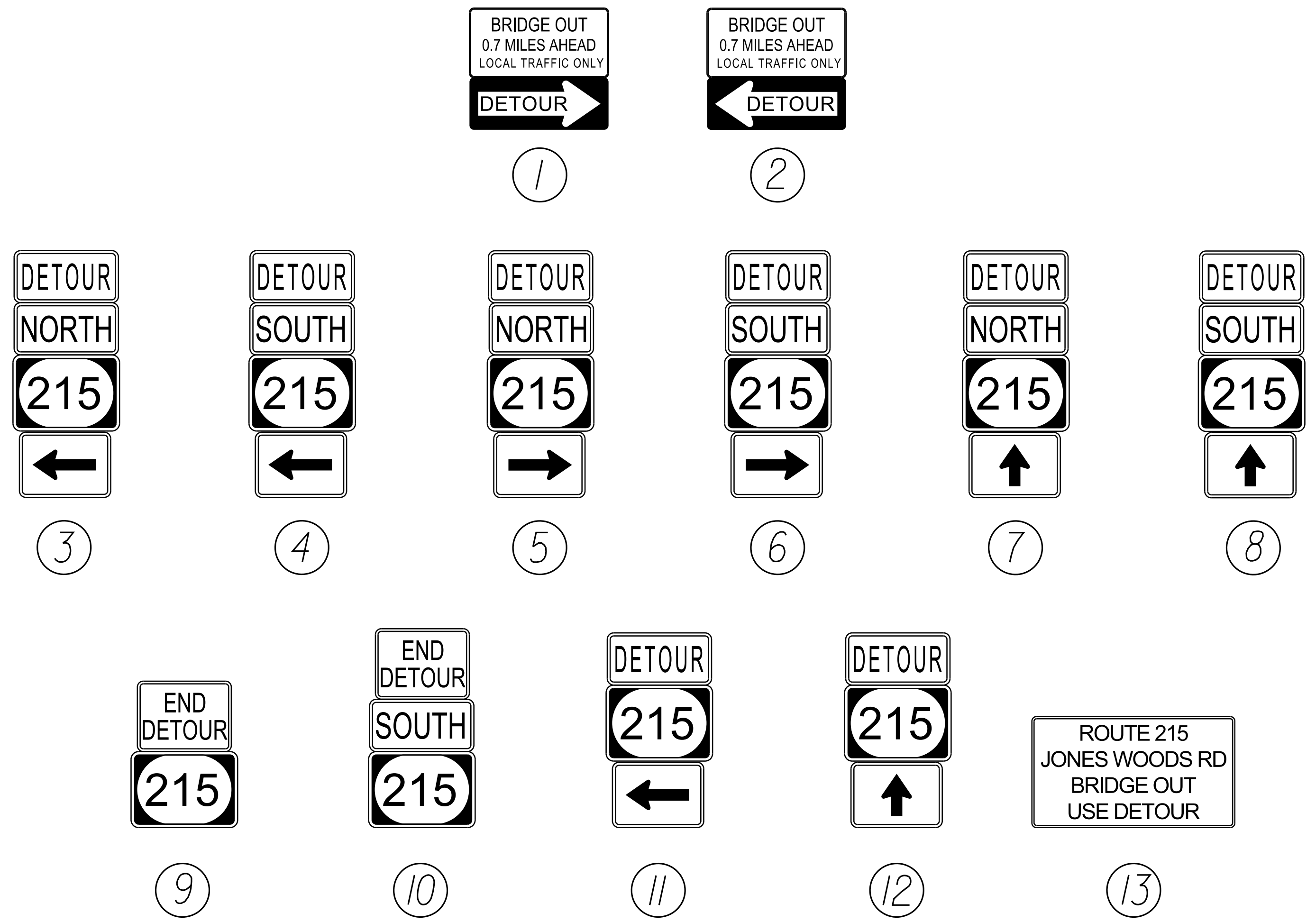
PRECAST CONCRETE HEADWALL DETAIL

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
02544900  
WIN  
025449.00  
BRIDGE NO. 2535  
BRIDGE PLANS

PROJ. MANAGER	BRIAN NICHOLS	BY	DATE
DESIGN-DETAILED	EDB	EKK	FEB 2026
CHECKED-REVIEWED	GAG	EDB	FEB 2026
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			








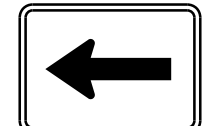
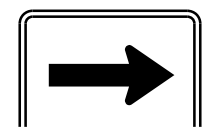
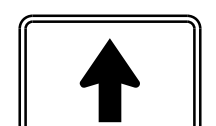
MEADOW BROOK BRIDGE  
DEER MEADOW BROOK  
NEWCASTLE  
LINCOLN COUNTY  
BOX CULVERT DETAILS

SHEET NUMBER  
16  
OF 19







STATE OF MAINE DEPARTMENT OF TRANSPORTATION 02544900		BRIDGE NO. 2535 WIN 025449.00 BRIDGE PLANS	
PROJ. MANAGER BRIAN NICHOLS	DATE FEB 2026	BY EKK	SIGNATURE
DESIGN-DETAILED EDB	DATE FEB 2026	BY EDB	P.E. NUMBER
CHECKED-REVIEWED GAG			DATE
DESIGN-DETAILED DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
MEADOW BROOK BRIDGE DEER MEADOW BROOK NEWCASTLE LINCOLN COUNTY		DETOUR PLAN	
SHEET NUMBER		17	
		OF 19	

DETOUR SIGN SUMMARY

ITEM NUMBER	IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		TOTAL AREA IN SQUARE FEET
		WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER	
652.35	CS-1	24"	16"	ROUTE 215 JONES WOODS RD BRIDGE OUT USE DETOUR	4" C 4" C 4" C 4" C	4" 4" 4"		7	ORANGE	BLACK	2.67 (18.69)
652.35	M1-5 (215)	30"	24"		TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"			20	COLORS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"		5.00 (100.00)
652.35	M3-1	21"	15"					4			2.19 (8.76)
652.35	M3-3	21"	15"					13			2.19 (28.47)
652.35	M4-8	24"	12"					18			2.00 (36.00)
652.35	M4-8a	24"	18"					2			3.00 (6.00)
652.35	M4-10L	48"	18"					1			6.00 (6.00)
652.35	M4-10R	48"	18"					1			6.00 (6.00)
652.35	M6-1L	21"	15"					8			2.19 (17.52)
652.35	M6-1R	21"	15"					5			2.19 (10.95)
652.35	M6-3	21"	15"					5			2.19 (10.95)

DETOUR SIGN SUMMARY

ITEM NUMBER	IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		TOTAL AREA IN SQUARE FEET
		WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER	
652.35	R11-2	48"	30"		TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"			2	COLORS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"		10.00 (20.00)
652.35	R11-3b (0.7 MILES)	60"	30"					2			12.25 (25.00)
652.35	W20-3 (500 FT)	36"	36"					2			9.00 (18.00)
652.35	W20-3 (1000 FT)	36"	36"					2			9.00 (18.00)

NOTES:

- SIGN LOCATIONS ARE APPROXIMATE AND TO BE VERIFIED IN THE FIELD.
- INFORMATION SHOWN REFLECTS SIGNAGE FOR DETOUR PLANS ONLY.

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

02544900

WIN

025449.00

BRIDGE NO. 2535

BRIDGE PLANS

SIGNATURE

P.E. NUMBER

DATE

DATE

FEB 2026

FEB 2026

BY

EKB

EKB

PROJ. MANAGER

BRIAN NICHOLS

DESIGN-DETAILED

EKB

GAG

CHECKED-REVIEWED

DESIGN-DETAILED

DESIGN-DETAILED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

MEADOW BROOK BRIDGE

DEER MEADOW BROOK

NEWCASTLE

LINCOLN COUNTY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SIGN SUMMARY

SHEET NUMBER

18

OF 19

Town, County, State \_\_\_\_\_  
 Approx. Property Lines \_\_\_\_\_  
 Existing Right of Way \_\_\_\_\_  
 Limits of Wrought Portion \_\_\_\_\_  
 Control Of Access \_\_\_\_\_  
 New Right of Way \_\_\_\_\_  
 New Easement \_\_\_\_\_  
 New Temporary Rights \_\_\_\_\_  
 New R/W Within Existing R/W \_\_\_\_\_

New R/W Along Existing R/W \_\_\_\_\_  
 Building \_\_\_\_\_  
 Trees Conifer \_\_\_\_\_  
 Tree Line \_\_\_\_\_  
 Water Edge \_\_\_\_\_  
 Ledge \_\_\_\_\_  
 Fence CHAIN LINK \_\_\_\_\_  
 Sign \_\_\_\_\_  
 Clearing Limit Line \_\_\_\_\_  
 Bush Line \_\_\_\_\_  
 Rock/Boulder \_\_\_\_\_  
 Barb Wire \_\_\_\_\_  
 Well \_\_\_\_\_  
 Deciduous \_\_\_\_\_  
 Flag Pole \_\_\_\_\_  
 STOCKADE \_\_\_\_\_  
 MALLBOX \_\_\_\_\_

**PLAN LEGEND**

Sanitary Sewer	Existing	Proposed	Traveled Way	Existing	Proposed
Telephone Line	Existing	Proposed	Ditch	Existing	Proposed
Electric Line	Existing	Proposed	Catch Basin	Existing	Proposed
Water Line	Existing	Proposed	Manhole	Existing	Proposed
Underdrain Line	Existing	Proposed	Sewer Manhole	Existing	Proposed
Gas Line	Existing	Proposed	Utility Pole	Existing	Proposed
Guardrail	Existing	Proposed	Fire Hydrant	Existing	Proposed
Culvert	Existing	Proposed	Curbing	Existing	Proposed

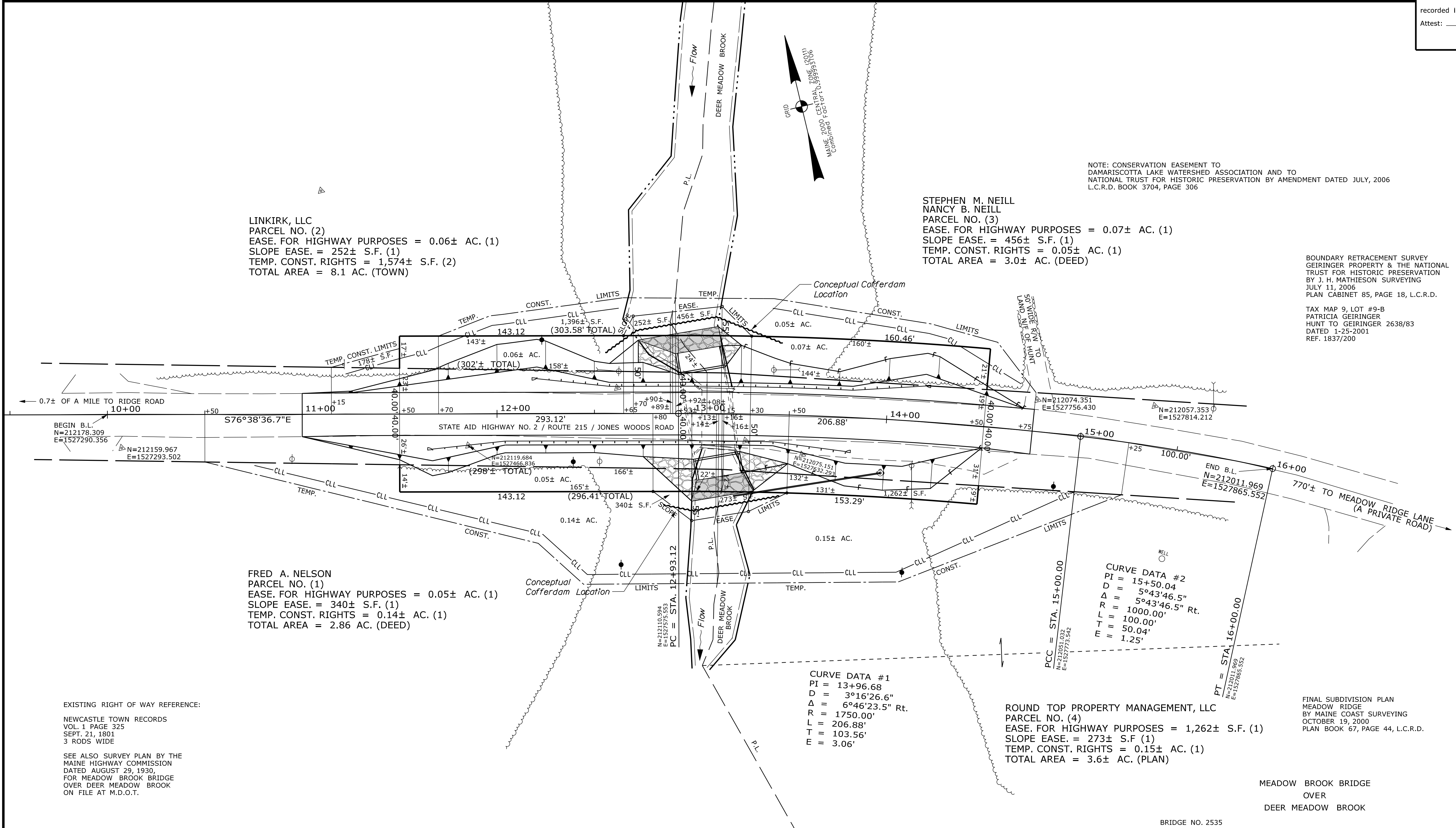
Cut Line \_\_\_\_\_  
 Stonewall \_\_\_\_\_  
 Baseline \_\_\_\_\_  
 Monument \_\_\_\_\_  
 Iron Rod Found \_\_\_\_\_  
 Replacement Pin Set \_\_\_\_\_  
 Fill Line \_\_\_\_\_  
 Retaining Wall \_\_\_\_\_  
 Traverse Point \_\_\_\_\_  
 Pipe Found \_\_\_\_\_

THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

Scale of Feet: 0, 25, 50, 75, 100

STATE OF MAINE  
 REGISTRY OF DEEDS

COUNTY \_\_\_\_\_  
 RECEIVED \_\_\_\_\_,  
 at \_\_\_\_\_ h \_\_\_\_\_ m \_\_\_\_\_ M and  
 recorded in Plan Bk \_\_\_\_\_, Pg. \_\_\_\_\_  
 Attest: \_\_\_\_\_  
 REGISTER



LINKIRK, LLC  
 PARCEL NO. (2)  
 EASE. FOR HIGHWAY PURPOSES = 0.06± AC. (1)  
 SLOPE EASE. = 252± S.F. (1)  
 TEMP. CONST. RIGHTS = 1,574± S.F. (2)  
 TOTAL AREA = 8.1 AC. (TOWN)

STEPHEN M. NEILL  
 NANCY B. NEILL  
 PARCEL NO. (3)  
 EASE. FOR HIGHWAY PURPOSES = 0.07± AC. (1)  
 SLOPE EASE. = 456± S.F. (1)  
 TEMP. CONST. RIGHTS = 0.05± AC. (1)  
 TOTAL AREA = 3.0± AC. (DEED)

FRED A. NELSON  
 PARCEL NO. (1)  
 EASE. FOR HIGHWAY PURPOSES = 0.05± AC. (1)  
 SLOPE EASE. = 340± S.F. (1)  
 TEMP. CONST. RIGHTS = 0.14± AC. (1)  
 TOTAL AREA = 2.86 AC. (DEED)

ROUND TOP PROPERTY MANAGEMENT, LLC  
 PARCEL NO. (4)  
 EASE. FOR HIGHWAY PURPOSES = 1,262± S.F. (1)  
 SLOPE EASE. = 273± S.F. (1)  
 TEMP. CONST. RIGHTS = 0.15± AC. (1)  
 TOTAL AREA = 3.6± AC. (PLAN)

NOTE: CONSERVATION EASEMENT TO DAMARISCOTTA LAKE WATERSHED ASSOCIATION AND TO NATIONAL TRUST FOR HISTORIC PRESERVATION BY AMENDMENT DATED JULY, 2006 L.C.R.D. BOOK 3704, PAGE 306

BOUNDARY RETRACEMENT SURVEY  
 GEIRINGER PROPERTY & THE NATIONAL TRUST FOR HISTORIC PRESERVATION  
 BY J. H. MATHIESON SURVEYING  
 JULY 11, 2006  
 PLAN CABINET 85, PAGE 18, L.C.R.D.  
 TAX MAP 9, LOT #9-B  
 PATRICIA GEIRINGER  
 HUNT TO GEIRINGER 2638/83  
 DATED 1-25-2001  
 REF. 1837/200

EXISTING RIGHT OF WAY REFERENCE:  
 NEWCASTLE TOWN RECORDS  
 VOL. 1 PAGE 325  
 SEPT. 21, 1801  
 3 RODS WIDE  
 SEE ALSO SURVEY PLAN BY THE MAINE HIGHWAY COMMISSION DATED AUGUST 29, 1930, FOR MEADOW BROOK BRIDGE OVER DEER MEADOW BROOK ON FILE AT M.D.O.T.

ITEM	TECH	CHECKED
EXISTING CONDITION PLAN	B.S.	G.L.L.
FINAL RIGHT OF WAY	K.D.M.	P.S.
AREAS	K.D.M.	D.H.

STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016 - 207-624-3460  
 NEWCASTLE  
 RIGHT OF WAY MAP

REVISIONS			PLAN FILED IN PLAN BOOK				PAGE COUNTY RECORD						
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE	NO.	DATE	BOOK	PAGE

DALE F. DOUGHTY  
 ACTING COMMISSIONER  
 WILLIAM A. PULVER  
 CHIEF ENGINEER  
 DATE \_\_\_\_\_

STATE AID HIGHWAY NO. 2  
 ROUTE 215 \ JONES WOODS ROAD  
 NEWCASTLE LINCOLN COUNTY  
 WORK IDENTIFICATION NO. (W.I.N) 025449.00  
 JULY 2025  
 SCALE 1" = 25'  
 RIGHT-OF-WAY MAP  
 SHEET 1 OF 1  
 D.O.T. FILE NO. 8-218

SHEET NUMBER  
**19**  
 OF 19

Date: \$date\$

Username: \$user\$

Division: \$wkgroup\$

Filename: \$file\$