

# STATE OF MAINE DEPARTMENT OF TRANSPORTATION



## PERHAM AROOSTOOK COUNTY SALMON STREAM BRIDGE OVER SALMON BROOK ROUTE 228 FEDERAL AID PROJECT NO. 2312800 PROJECT LENGTH 0.076 mi. BRIDGE NO. 2739

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### UTILITIES

Versant Power  
Consolidated Communications

### MAINTENANCE OF TRAFFIC

Road closure with offsite detour.

### SPECIFICATIONS

Design: Load and Resistance Factor Design per AASHTO LRFD Bridge Design Specifications, Ninth Edition 2020.

### DESIGN LOADING

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

### TRAFFIC DATA

Current (2019) AADT .....	410
Future (2039) AADT .....	450
DHV - % of AADT .....	14
Design Hour Volume .....	63
Heavy Trucks (% of AADT) .....	11
Heavy Trucks (% of DHV) .....	7
Directional Distribution (% of DHV) .....	60
18 kip Equivalent P 2.0 .....	21
18 kip Equivalent P 2.5 .....	20
Design Speed (mph) .....	35

### HYDROLOGIC DATA

Drainage Area .....	14.2 sq mi
Design Discharge (Q50) .....	1165 cfs
Check Discharge (Q100) .....	1347.5 cfs
Headwater Elevation (Q1.1) .....	595.93 ft
Headwater Elevation (Q25) .....	598.95 ft
Headwater Elevation (Q50) .....	599.33 ft
Headwater Elevation (Q100) .....	599.75 ft
Discharge Velocity (Q1.1) .....	4.7 fps
Discharge Velocity (Q50) .....	11.6 fps
Discharge Velocity (Q100) .....	12.2 fps

### MATERIALS

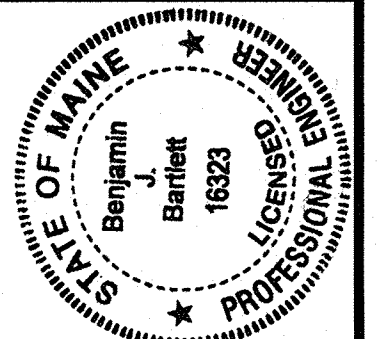
Concrete:	
Precast .....	Class "P"
All Other .....	Class "A"
Reinforcing Steel .....	ASTM A615/A615M, Grade 60
Welded Wire Reinforcement .....	ASTM A1064/A1064M

### BASIC DESIGN STRESSES

Concrete .....	f 'c = 4,000 psi
Precast Concrete .....	f 'c = 5,000 psi
Reinforcing Steel .....	f y = 60,000 psi
Welded Wire Reinforcement .....	f y = 65,000 psi

<b>PROJECT LOCATION</b>	Salmon Stream Bridge (#2739) over Salmon Stream. Located 0.16 of a mile north of Mouse Island Road. Lat./Long. 46°50'45.3" N 68°11'44.2" W
<b>PROGRAM AREA</b>	Highway Bridges-Minor Spans
<b>OUTLINE OF WORK</b>	Bridge Replacement

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
APPROVED: *[Signature]*  
COMMISSIONER: *[Signature]*  
DATE: 6-15-23  
CHIEF ENGINEER: *[Signature]*  
DATE: 6-15-2023



SIGNATURE: *[Signature]*  
16323  
P.E. NUMBER  
5/17/2023  
DATE

PROGRAM	BRIDGE
PROJECT MANAGER	J. STETSON
DESIGNER	B. BARTLETT
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

WIN023128.00

2312800

PERHAM  
SALMON STREAM BRIDGE  
TITLE SHEET

SHEET NUMBER  
**1**  
OF 19

Date: 5/16/2023  
Username: David.Show  
Division: BRIDGE  
Filename: \\00\BRIDGE\MSTA\001\_Title.dgn

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.202	REMOVING PAVEMENT SURFACE	130	SY
203.20	COMMON EXCAVATION	610	CY
203.24	COMMON BORROW	50	CY
203.25	GRANULAR BORROW	580	CY
203.33	SPECIAL FILL	165	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	880	CY
403.208	HOT MIX ASPHALT 12.5 MM HMA SURFACE	133	T
403.213	HOT MIX ASPHALT 12.5 MM BASE	204	T
409.15	BITUMINOUS TACK COAT - APPLIED	51	G
508.13	SHEET WATERPROOFING MEMBRANE (204 SY)	1	LS
511.07	COFFERDAM: UPSTREAM	1	LS
511.07	COFFERDAM: DOWNSTREAM	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES (48 SY)	1	LS
526.301	PORTABLE CONCRETE BARRIER TYPE I (60 LF)	1	LS
534.71	PRECAST CONCRETE BOX CULVERT (357 CY)	1	LS
606.1301	31" W-BM GR. MID-WAY SPLICE-SGL FACED	400	LF
606.1305	31" W-BM GR. MID-WAY SPLICE FLARED TERMINAL	4	EA
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	8	EA
610.08	PLAIN RIPRAP	230	CY
610.18	STONE DITCH PROTECTION	18	CY
610.210	STREAM CHANNEL ROCK	190	CY
610.212	STREAMBED ROCK FEATURES	9	CY
613.319	EROSION CONTROL BLANKET	155	SY
615.07	LOAM	80	CY
618.14	SEEDING METHOD NUMBER 2	13	UN
619.12	MULCH	13	UN
619.14	EROSION CONTROL MIX	160	CY
620.58	EROSION CONTROL GEOTEXTILE	385	SY
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	1200	LF
629.05	HAND LABOR, STRAIGHT TIME	10	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10	HR
631.14	GRADER (INCLUDING OPERATOR)	25	HR
631.15	ROLLER, EARTH AND BASE COURSE (INCLUDING OPERATOR )	25	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	10	HR
639.19	FIELD OFFICE TYPE B	1	EA
652.312	TYPE III BARRICADE	6	EA
652.33	DRUM	25	EA
652.34	CONE	50	EA
652.35	CONSTRUCTION SIGNS	400	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1	LS
652.38	FLAGGER	200	HR
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

GENERAL CONSTRUCTION NOTES

- For easements, construction limits and right of way lines, refer to 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.
- 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 and backfill for the box placed below the pavement subbase shall be Granular Borrow meeting the requirements of Subsection 703.19, Material for Underwater Backfill.
- 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 Item No. 619.14, Erosion Control Mix.
- Place a 24-in. wide strip of Erosion Control Blanket on the sideslopes along the top of the riprap and behind the guardrail.
- A MASH compliant guardrail end treatment shall be installed concurrently with the placement of each section of beam guardrail.
- Extended-use 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, where it is apparent that runoff will cause continual erosion. Payment will be made under the appropriate Contract items.
- 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/>.
- The existing bridge plans may be accessed at the MaineDOT web address. The plans are reproductions of the original drawings as prepared for the construction of the bridge. It is very unlikely that the plans will show any construction field changes or any alterations which may have been made to the bridge during its life span.
- The hydrologic report of the bridge site may be accessed at the MaineDOT web address. The hydrologic report is 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 For the Replacement of: SALMON STREAM BRIDGE, ROUTE 228 OVER SALMON STREAM, PERHAM, MAINE, Soils Report 2023-01, March 7, 2023 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.

18. 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:

- If a Lump Sum pay item is eliminated, the requirements of Standard Specifications Section 109.2, Elimination of Items, will take precedence.
- If other Contract Documents specifically allow a change in payment for a Lump Sum pay item, those requirements will be followed.
- 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.

19. 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.

20. To the satisfaction of the Resident, the Contractor shall regrade the detour roadway just prior to implementing the detour plan and just after the completion of use, or as directed by the Resident. This work shall be paid for using appropriate equipment rental and hourly labor Contract items.

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
2312800  
WIN 023128.00  
BRIDGE NO. 2739  
BRIDGE PLANS

PROJ. MANAGER  
DESIGN-DETAILED  
CHECKED-REVIEWED  
DESIGNS-DETAILED  
REVISIONS 1  
REVISIONS 2  
REVISIONS 3  
FIELD CHANGES

DATE  
FEB 2023  
FEB 2023

BY  
D. SHAW  
T. WHITE

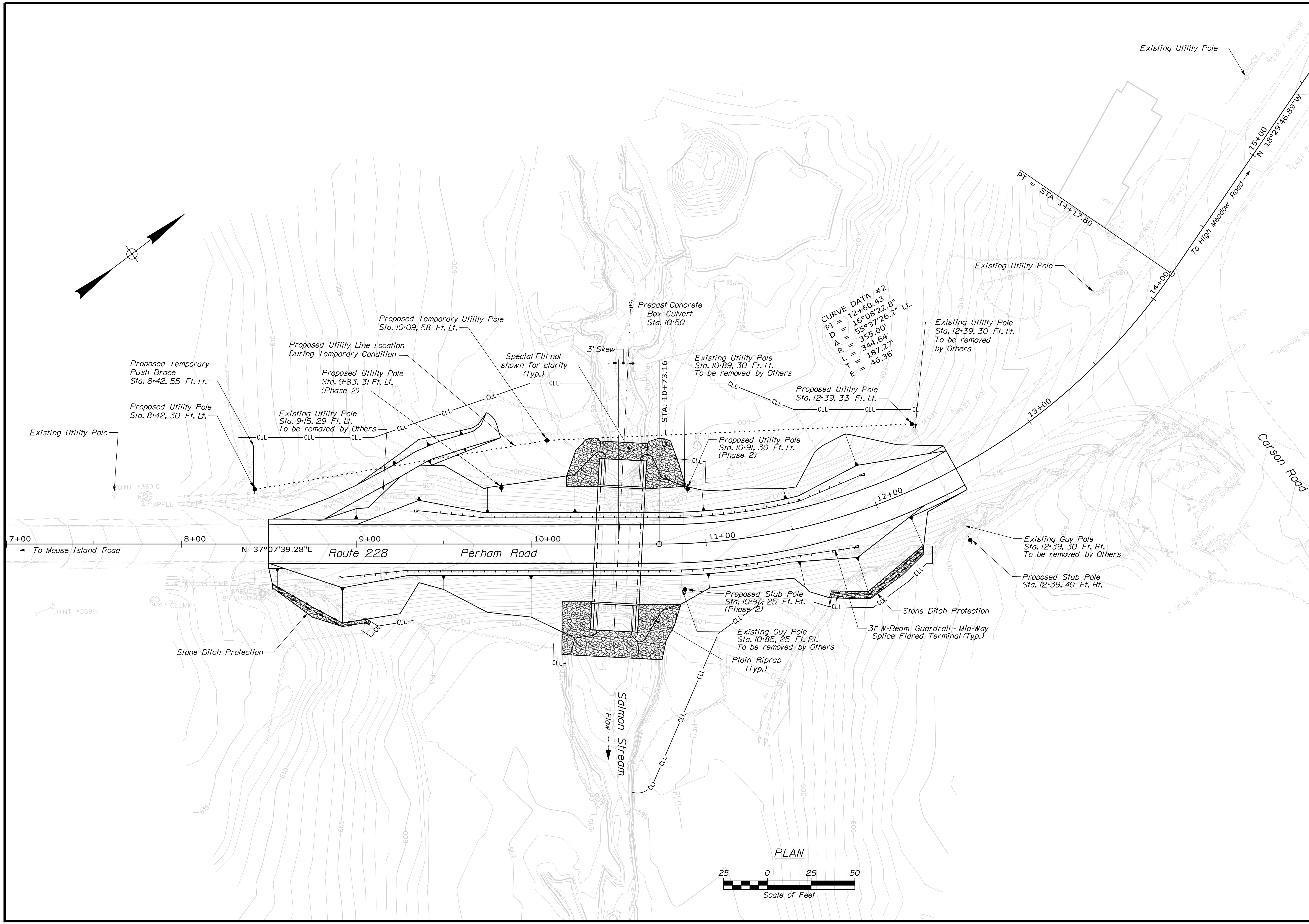
J. STEVENS  
B. BARTLETT  
R. MAYER  
N. PUKAY

SIGNATURE  
P.E. NUMBER  
DATE

SALMON STREAM BRIDGE  
SALMON BROOK  
PERHAM AROOSTOOK COUNTY  
ESTIMATED QUANTITIES AND  
GENERAL CONSTRUCTION NOTES

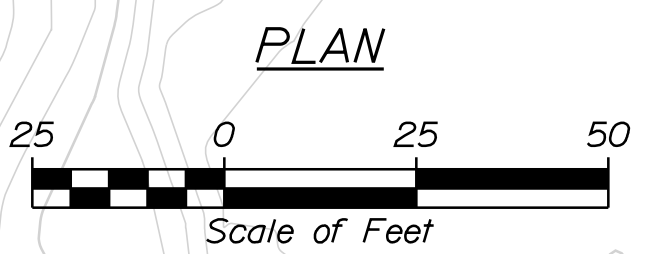
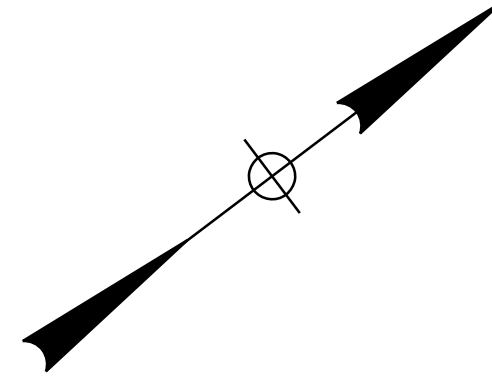
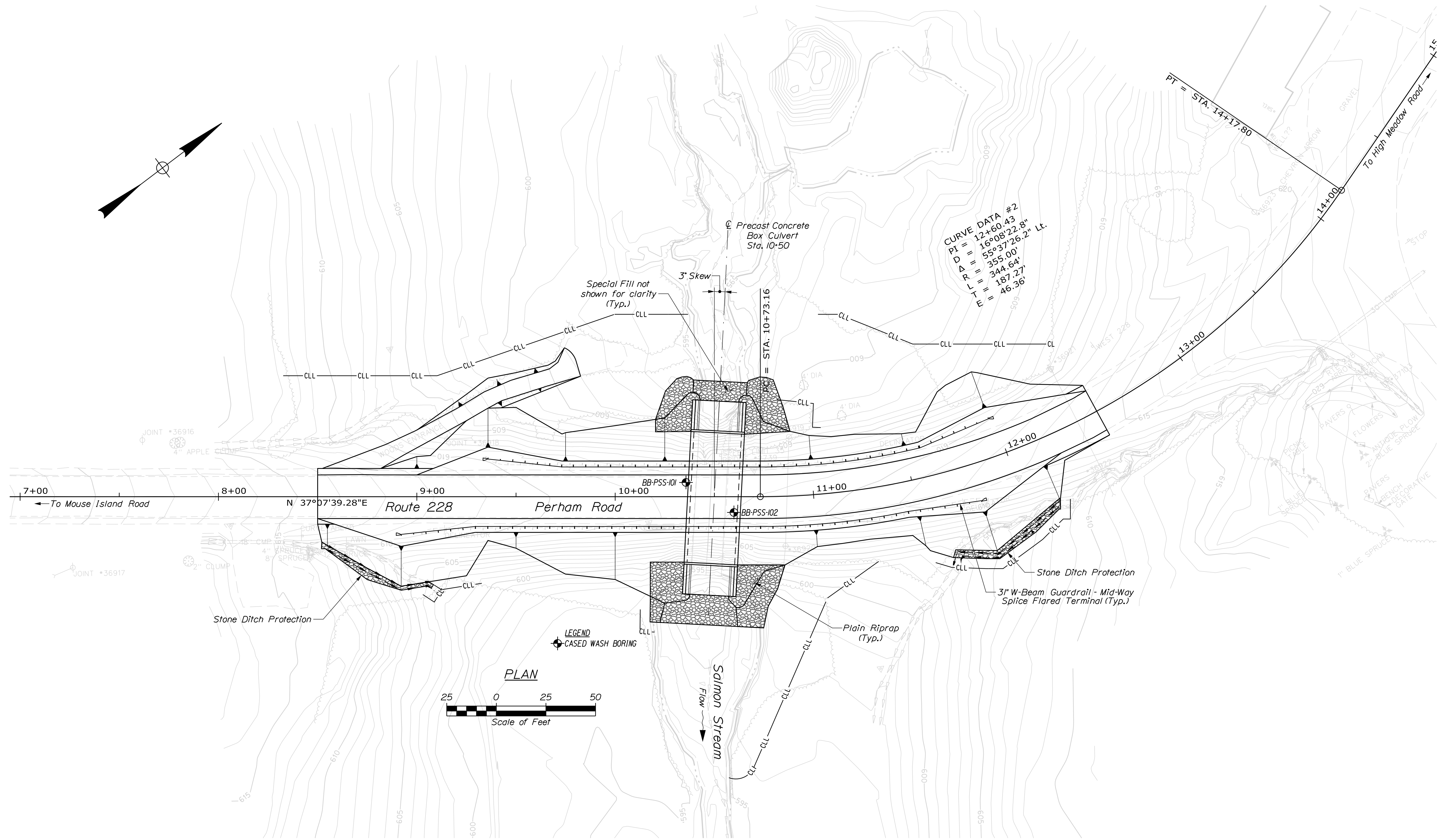
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2



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PERHAM AROOSTOOK COUNTY		WIN 023128.00	
GENERAL PLAN		BRIDGE PLANS	
SHEET NUMBER		DATE	
<p style="text-align: center; font-size: 2em; font-weight: bold;">3</p>		PROJ. MANAGER	J. STETSON
		CHECKED/REVIEWED	B. BARTLETT
		DESIGNED/DETAILED	D. SHAW
		REVISIONS 1	
		REVISIONS 2	
SIGNATURE		DATE	
P.E. NUMBER		DATE	
FIELD CHANGES		DATE	





**CURVE DATA #2**  
 PI = 12+60.43  
 D = 16°08'22.8"  
 A = 55°37'26.2" Lt.  
 R = 355.00'  
 L = 344.64'  
 T = 187.27'  
 E = 46.36'

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2312800	
SHEET NUMBER		BRIDGE NO. 2739	
5		WIN 023128.00	
OF 19		BRIDGE PLANS	
SALMON STREAM BRIDGE SALMON STREAM PERHAM		BORING LOCATION PLAN	
SALMON STREAM AROOSTOOK COUNTY		BORING LOCATION PLAN	
PROJ. MANAGER	J. STETSON	BY	D. SHAW
CHECKED/REVIEWED	N. PIKAY	DATE	FEB 2023
DESIGN/DETAILS	T. WHITE	SIGNATURE	
DESIGN/DETAILS		P.E. NUMBER	
REVISIONS 1		DATE	
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REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			



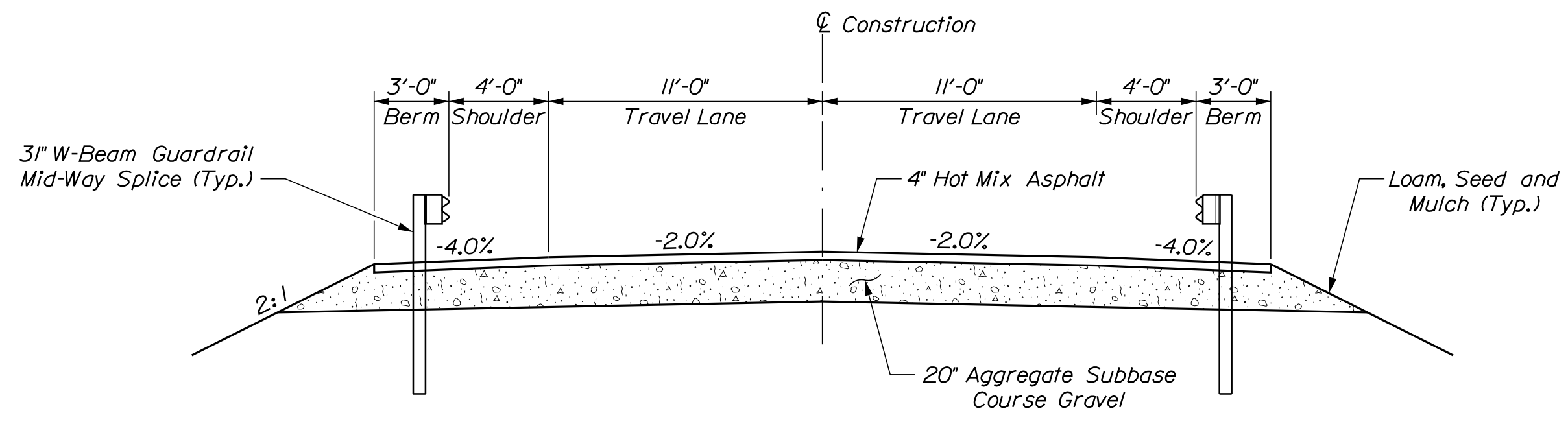
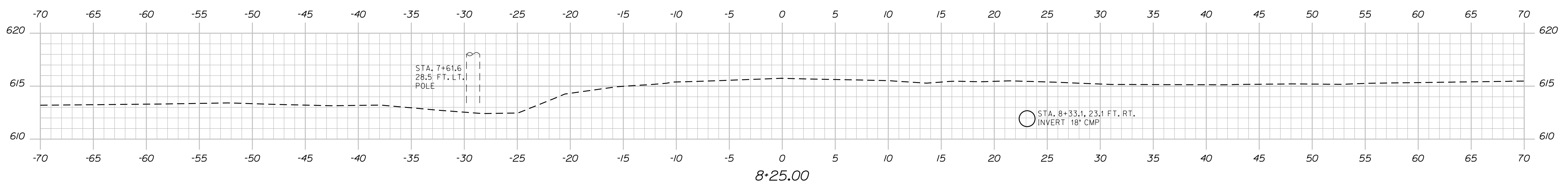
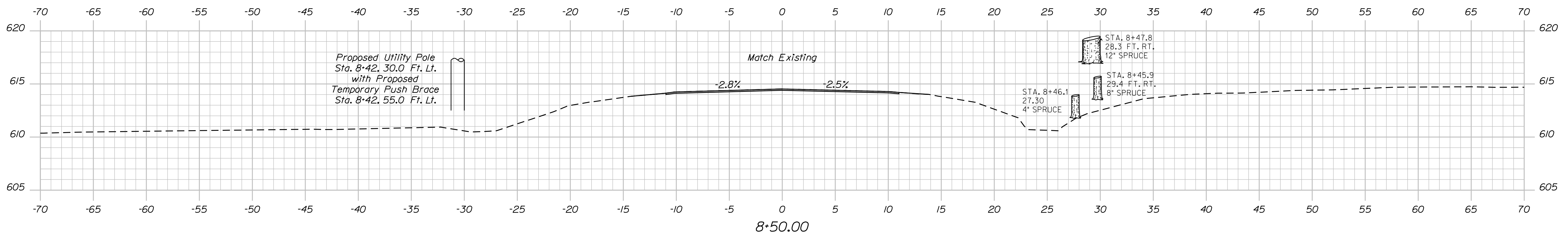
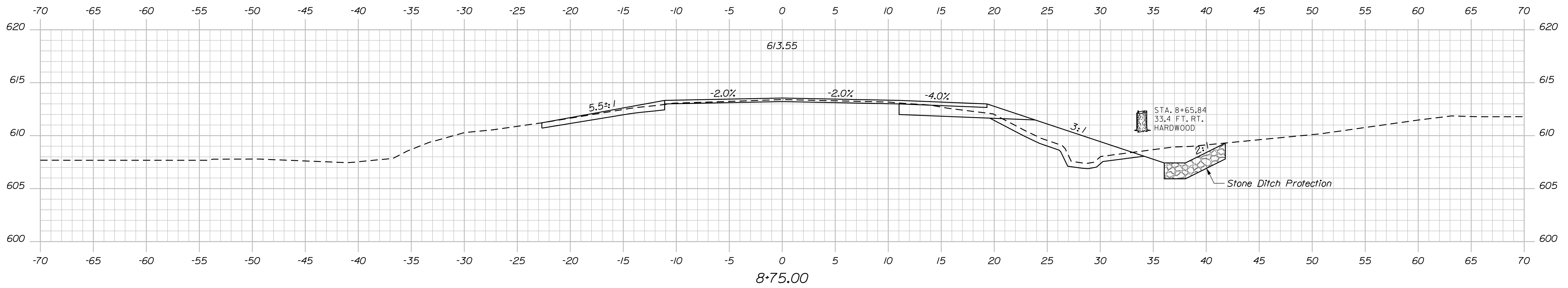


Date: 5/25/2023

Username: David Shaw

Division: BRIDGE

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PROPOSED TYPICAL APPROACH SECTION

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
2312800  
WIN  
023128.00  
BRIDGE NO. 2739  
BRIDGE PLANS

DESIGN-DETAILED	DATE	SIGNATURE
CHECKED-REVIEWED	FEB 2023	
DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PROJ. MANAGER	J. STEINSON	BY	D. SHAW
CHECKED-REVIEWED	B. BARTLETT	DATE	FEB 2023
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SALMON STREAM BRIDGE  
SALMON BROOK  
AROOSTOOK COUNTY  
PERHAM  
CROSS SECTIONS

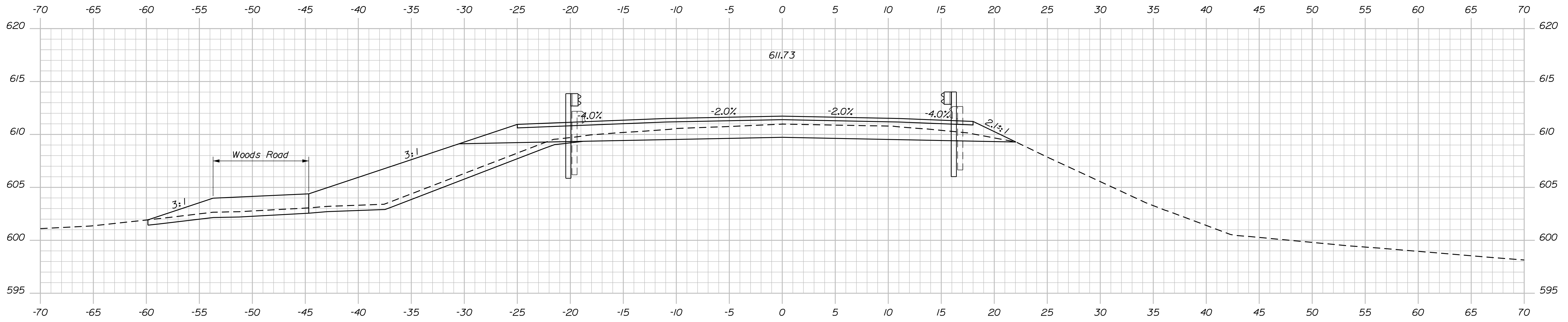
SHEET NUMBER  
8  
OF 19

Date: 5/25/2023

Username: David.Shaw

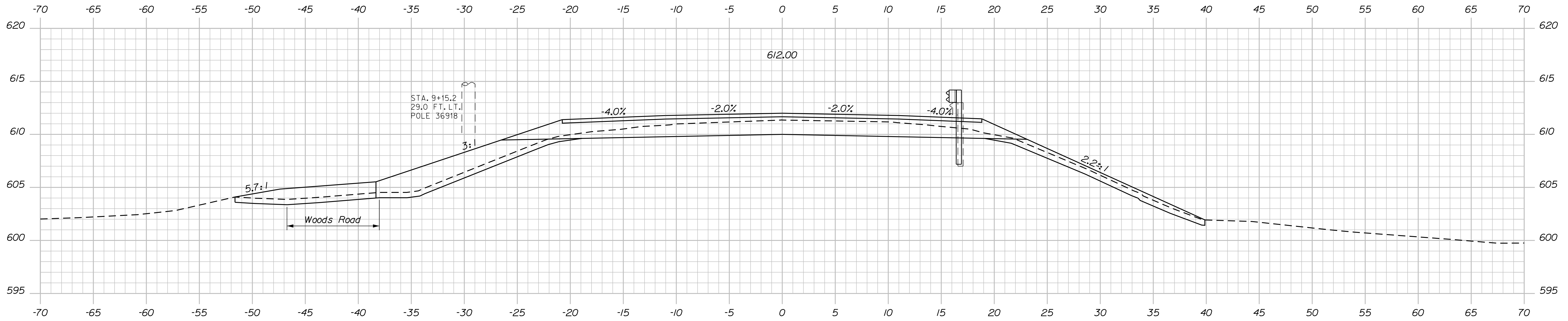
Division: BRIDGE

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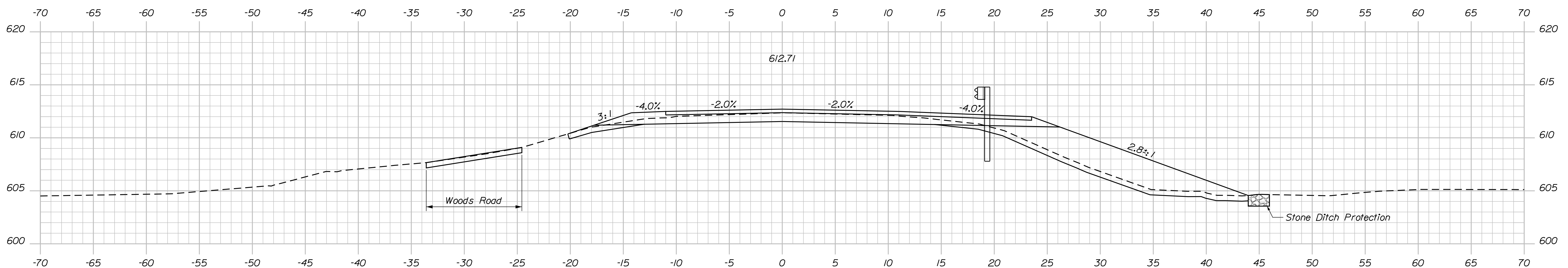
9+35.88

Sta. 9+35.9±, 19.0 Ft. Lt. to Sta. 9+73.2±, 15.0 Ft. Lt.  
Install 3' W-Beam Guardrail - Mid-Way Splice Flared Terminal



9+25.00

Sta. 9+29.4±, 15.0 Ft. Rt. to Sta. 11+45.1±, 15.0 Ft. Rt.  
Install 218.75 L.F. of 3' W-Beam Mid-Way Splice Guardrail



9+00.00

Sta. 8+92.1±, 19.0 Ft. Rt. to Sta. 9+29.4±, 15.0 Ft. Rt.  
Install 3' W-Beam Guardrail - Mid-Way Splice Flared Terminal

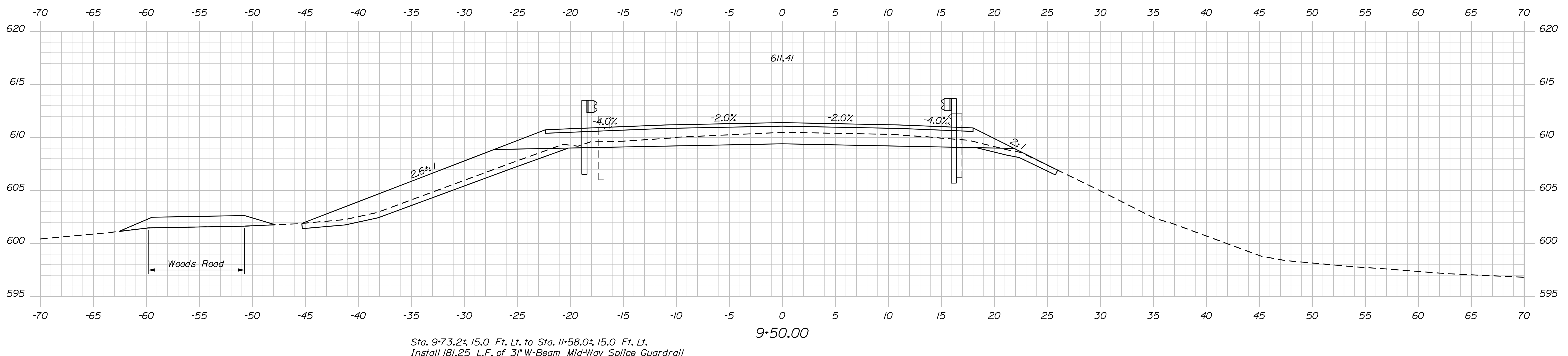
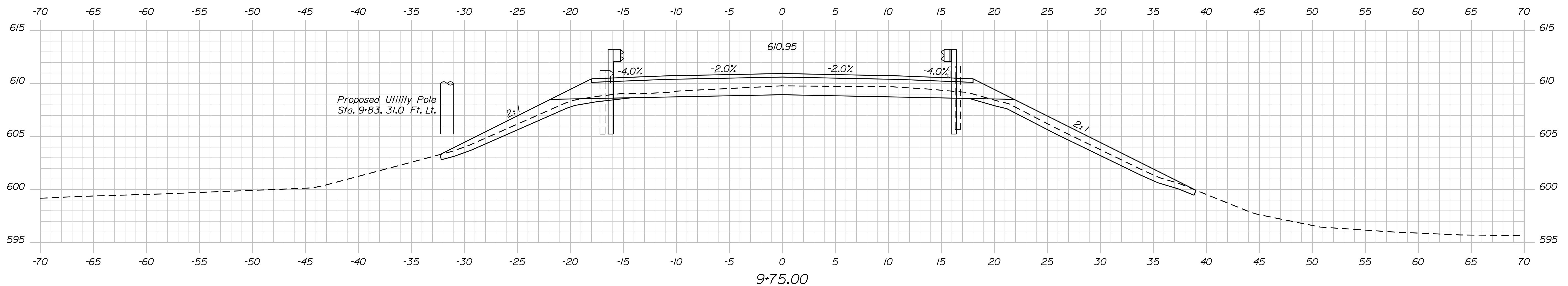
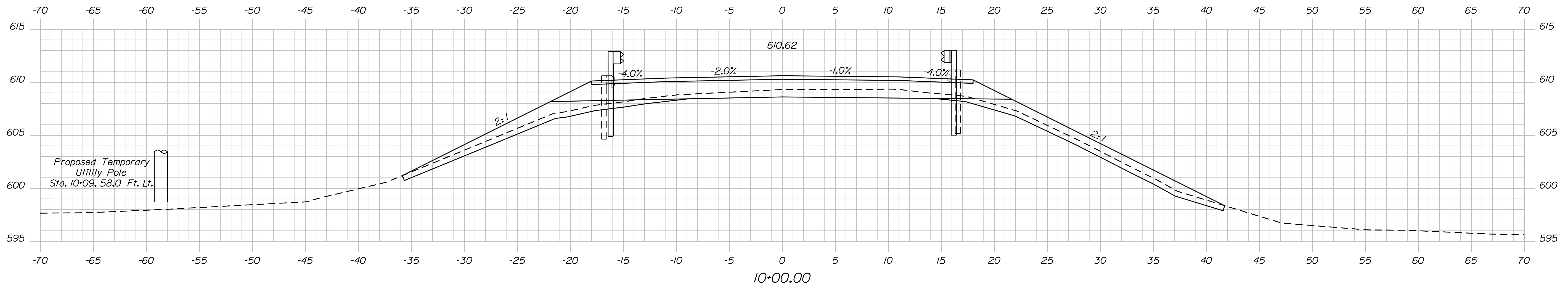
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PROJ. MANAGER		J. STEINSON		BY		DATE		SIGNATURE		P.E. NUMBER	
DESIGN/DETAILED		B. BARTLETT		D. SHAW		FEB 2023					
CHECKED/REVIEWED											
DESIGNS/DETAILED											
REVISIONS 1											
REVISIONS 2											
REVISIONS 3											
REVISIONS 4											
FIELD CHANGES											
								9		OF 19	

Date: 5/25/2023

Username: David.Shaw

Division: BRIDGE

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STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
2312800  
WIN  
023128.00  
BRIDGE NO. 2739  
BRIDGE PLANS

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

PROJ. MANAGER	J. STETSON	DATE	FEB 2023
CHECKED	B. BARTLETT	BY	D. SHAW

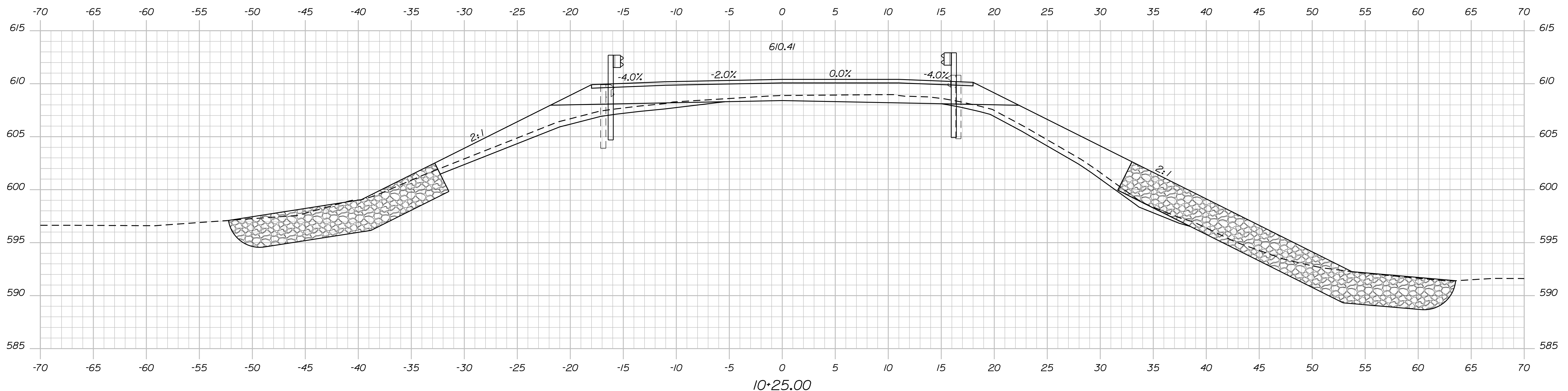
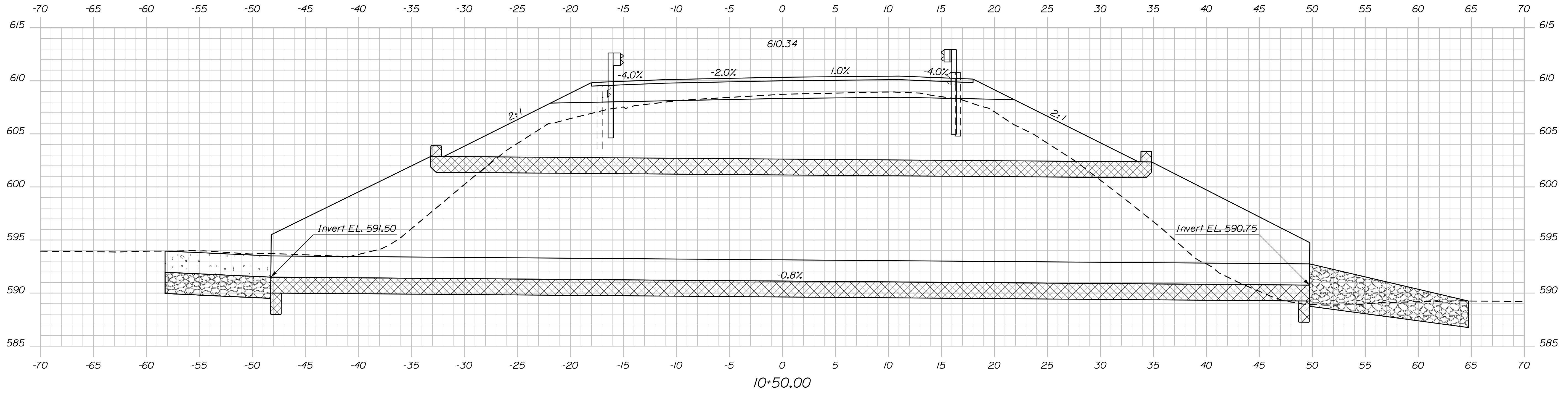
SALMON STREAM BRIDGE  
SALMON BROOK  
PERHAM AROOSTOOK COUNTY  
CROSS SECTIONS

SHEET NUMBER  
**10**  
OF 19

Date: 5/25/2023

Username: David.Shaw

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STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
**2312800**  
WIN  
023128.00  
BRIDGE NO. 2739  
BRIDGE PLANS

DATE  
FEB 2023  
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PROJ. MANAGER	BY	DATE
J. STETSON	D. SHAW	FEB 2023
CHECKED-REVIEWED		
DESIGNS-DETAILED		
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REVISIONS 1		
REVISIONS 2		
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FIELD CHANGES		

SALMON STREAM BRIDGE  
SALMON BROOK  
AROOSTOOK COUNTY  
PERHAM  
**CROSS SECTIONS**

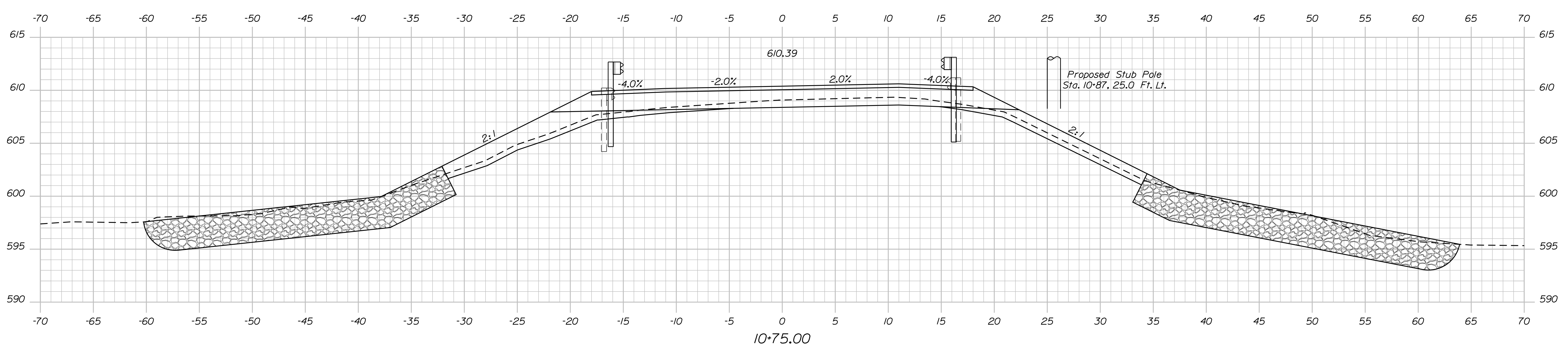
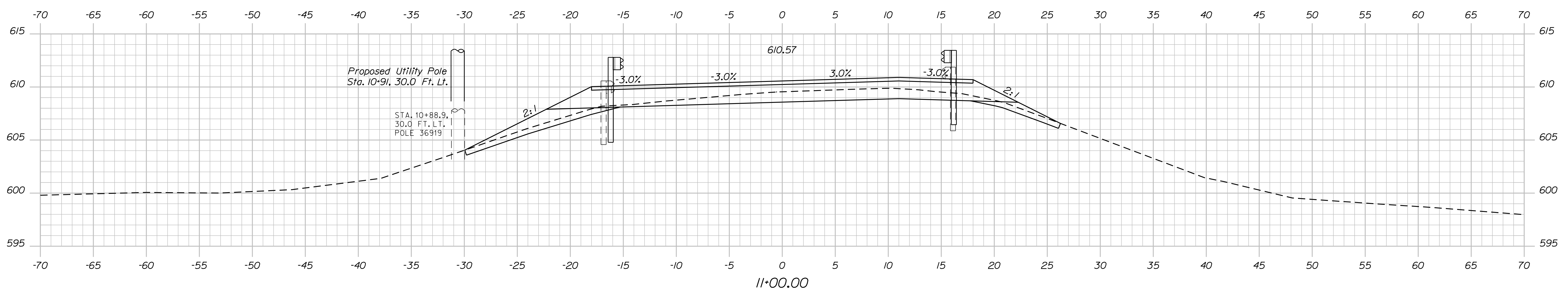
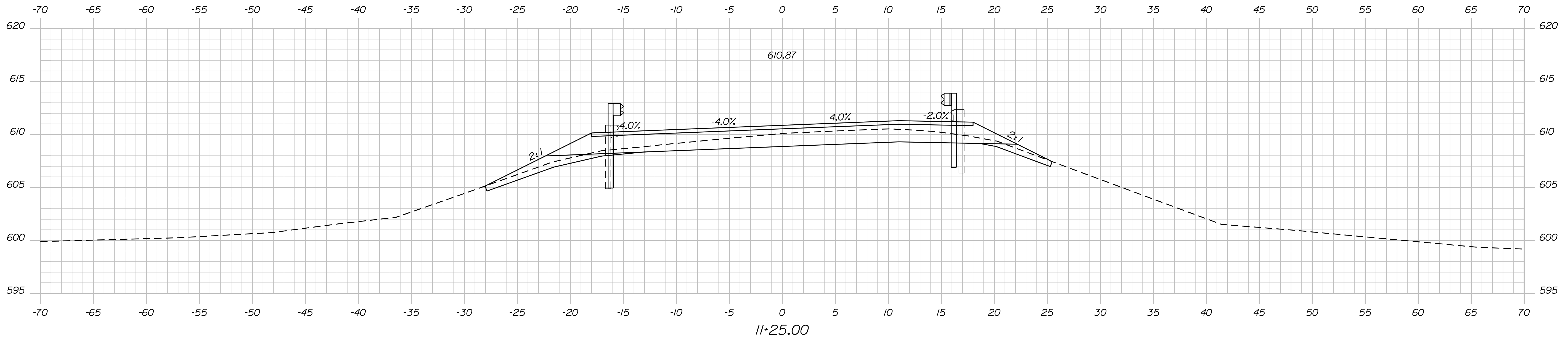
SHEET NUMBER  
**11**  
OF 19

Date: 5/25/2023

Username: David.Shaw

Division: BRIDGE

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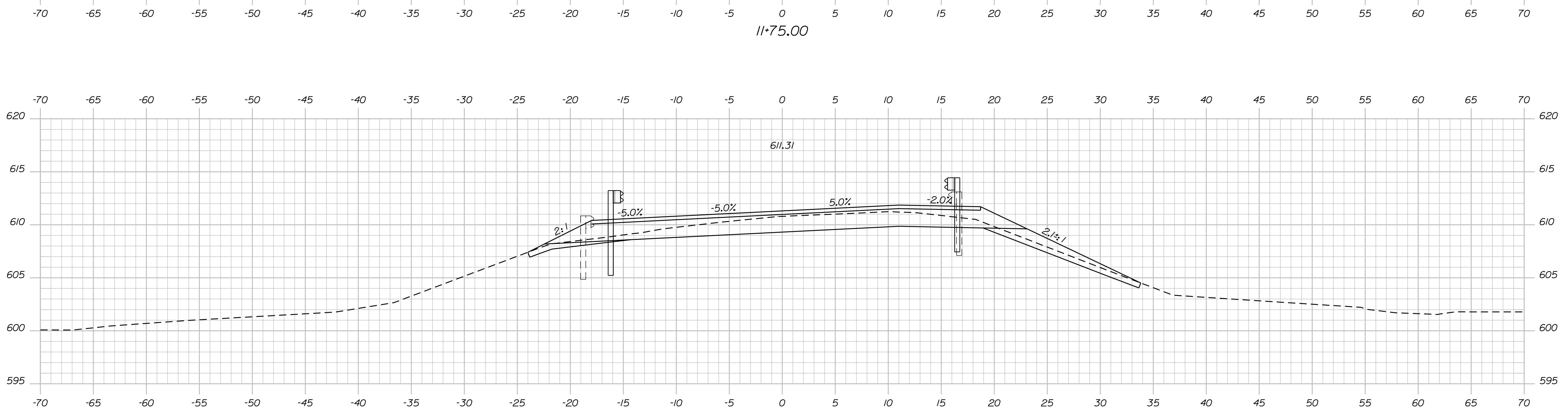
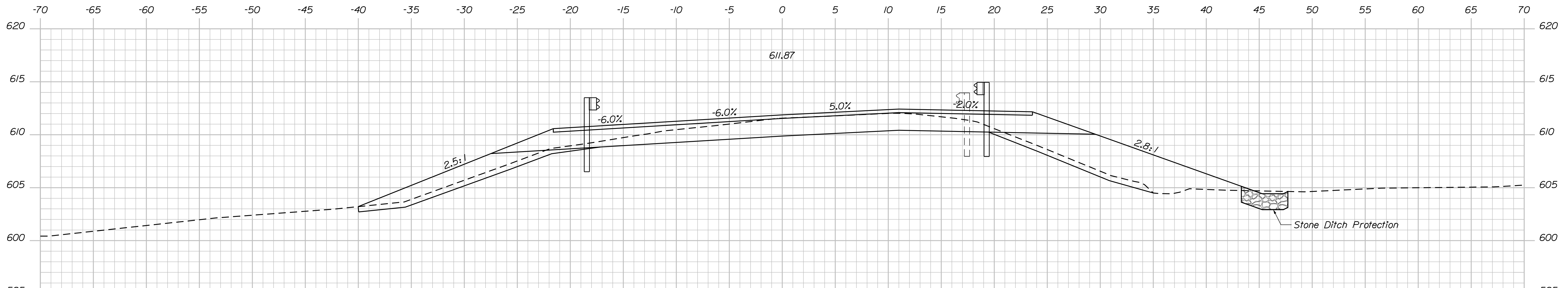
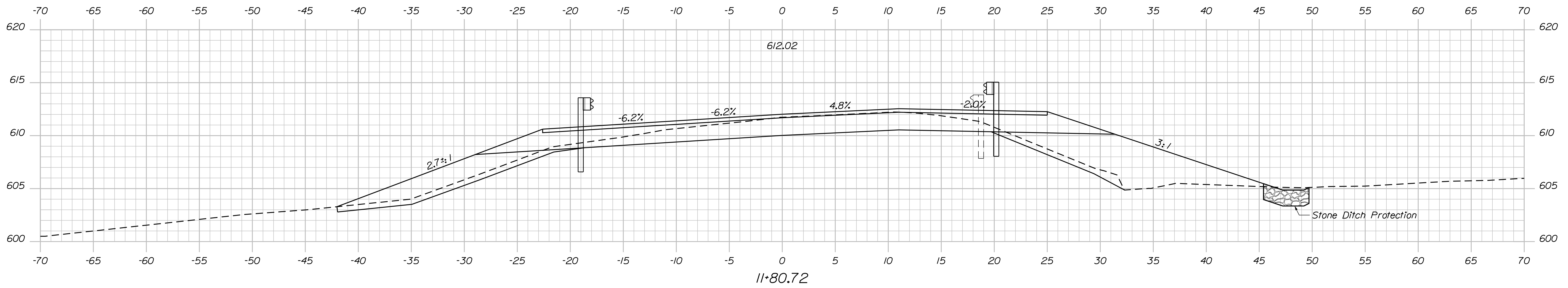
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		2312800		WIN		023128.00		BRIDGE NO. 2739		BRIDGE PLANS	
SALMON STREAM BRIDGE		SALMON BROOK		AROOSTOOK COUNTY		PERHAM		CROSS SECTIONS		SHEET NUMBER		12	
PROJ. MANAGER	J. STETSON	BY	D. SHAW	DATE	FEB 2023	SIGNATURE	P.E. NUMBER	DATE					
DESIGN-DETAILED	B. BARTLETT	CHECKED-REVIEWED											
DESIGNS-DETAILED		DESIGNS-DETAILED											
REVISIONS 1		REVISIONS 1											
REVISIONS 2		REVISIONS 2											
REVISIONS 3		REVISIONS 3											
REVISIONS 4		REVISIONS 4											
FIELD CHANGES		FIELD CHANGES											

Date: 5/25/2023

Username: David.Shaw

Division: BRIDGE

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Sta. 11+58.0± 15.0 Ft. Lt. to Sta. 11+97.2± 19.0 Ft. Lt.  
Install 31" W-Beam Guardrail - Mid-Way Splice Flared Terminal

Sta. 11+45.1± 15.0 Ft. Rt. to Sta. 11+80.7± 19.0 Ft. Rt.  
Install 31" W-Beam Guardrail - Mid-Way Splice Flared Terminal

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PROJ. MANAGER	J. STETSON	BY	D. SHAW	DATE	FEB 2023
CHECKED-REVIEWED	B. BARTLETT	DESIGNED	D. SHAW	SIGNATURE	
DESIGNS DETAILED		DESIGNS DETAILED		P.E. NUMBER	
REVISIONS 1		REVISIONS 1		DATE	
REVISIONS 2		REVISIONS 2			
REVISIONS 3		REVISIONS 3			
REVISIONS 4		REVISIONS 4			
FIELD CHANGES					

SALMON STREAM BRIDGE  
SALMON BROOK  
PERHAM AROOSTOOK COUNTY  
CROSS SECTIONS

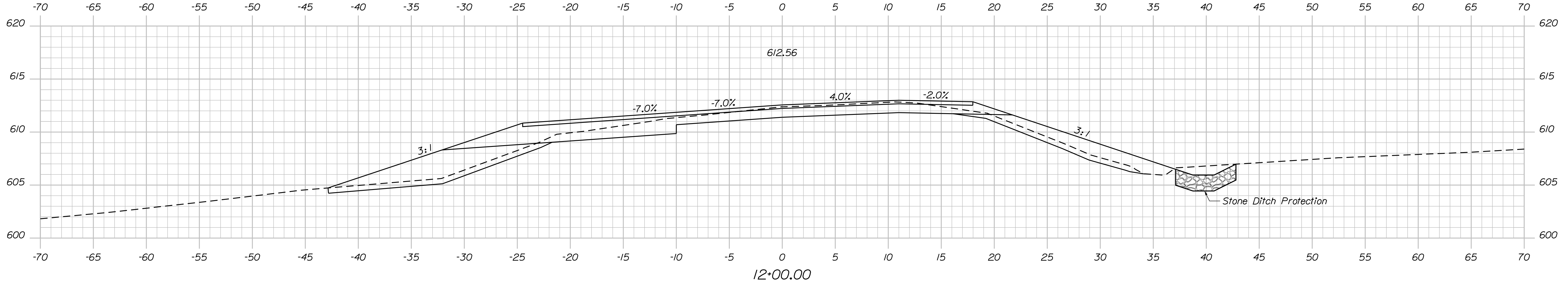
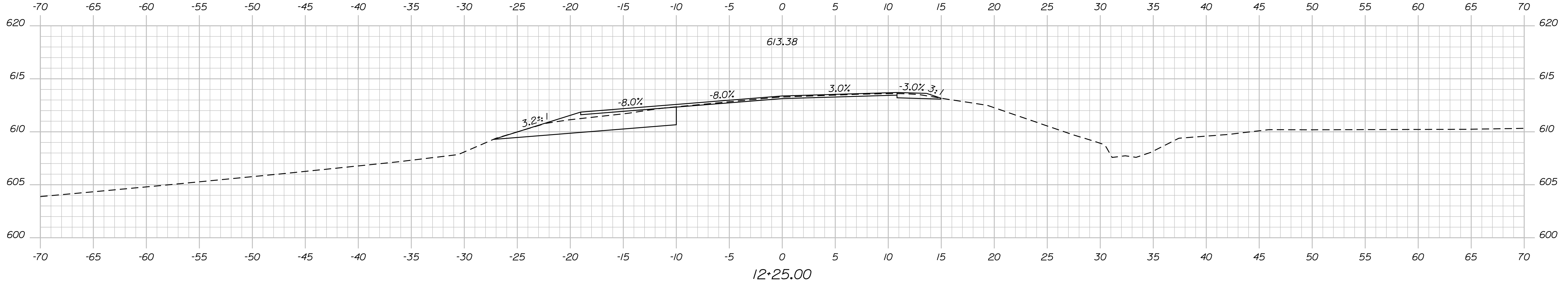
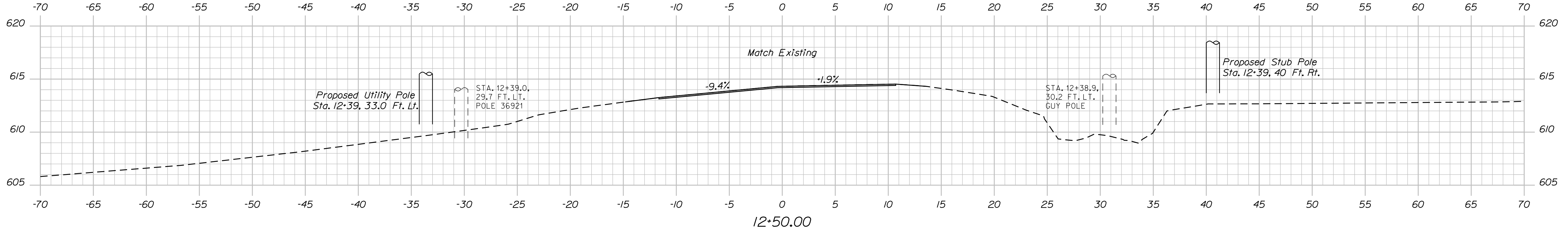
SHEET NUMBER  
**13**  
OF 19

Date: 5/25/2023

Username: David Shaw

Division: BRIDGE

Filename: ... \MSTAO14\_XSECT\_12+00-12+50.dgn



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
2312800  
WIN 023128.00  
BRIDGE NO. 2739  
BRIDGE PLANS

PROJ. MANAGER	J. STETSON	BY	D. SHAW	DATE	FEB 2023
CHECKED-REVIEWED	B. BARTLETT	SIGNATURE			
DESIGNS DETAILED		P.E. NUMBER			
REVISIONS 1		DATE			
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

SALMON STREAM BRIDGE  
SALMON BROOK  
PERHAM AROOSTOOK COUNTY  
CROSS SECTIONS

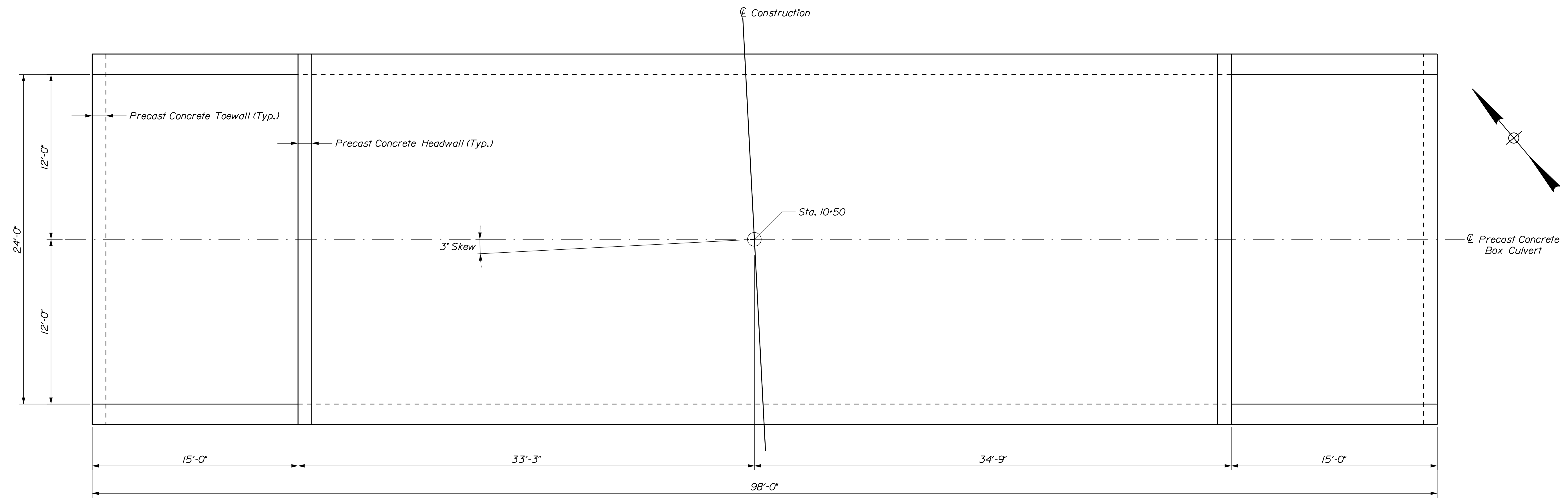
SHEET NUMBER  
**14**  
OF 19

Date: 5/25/2023

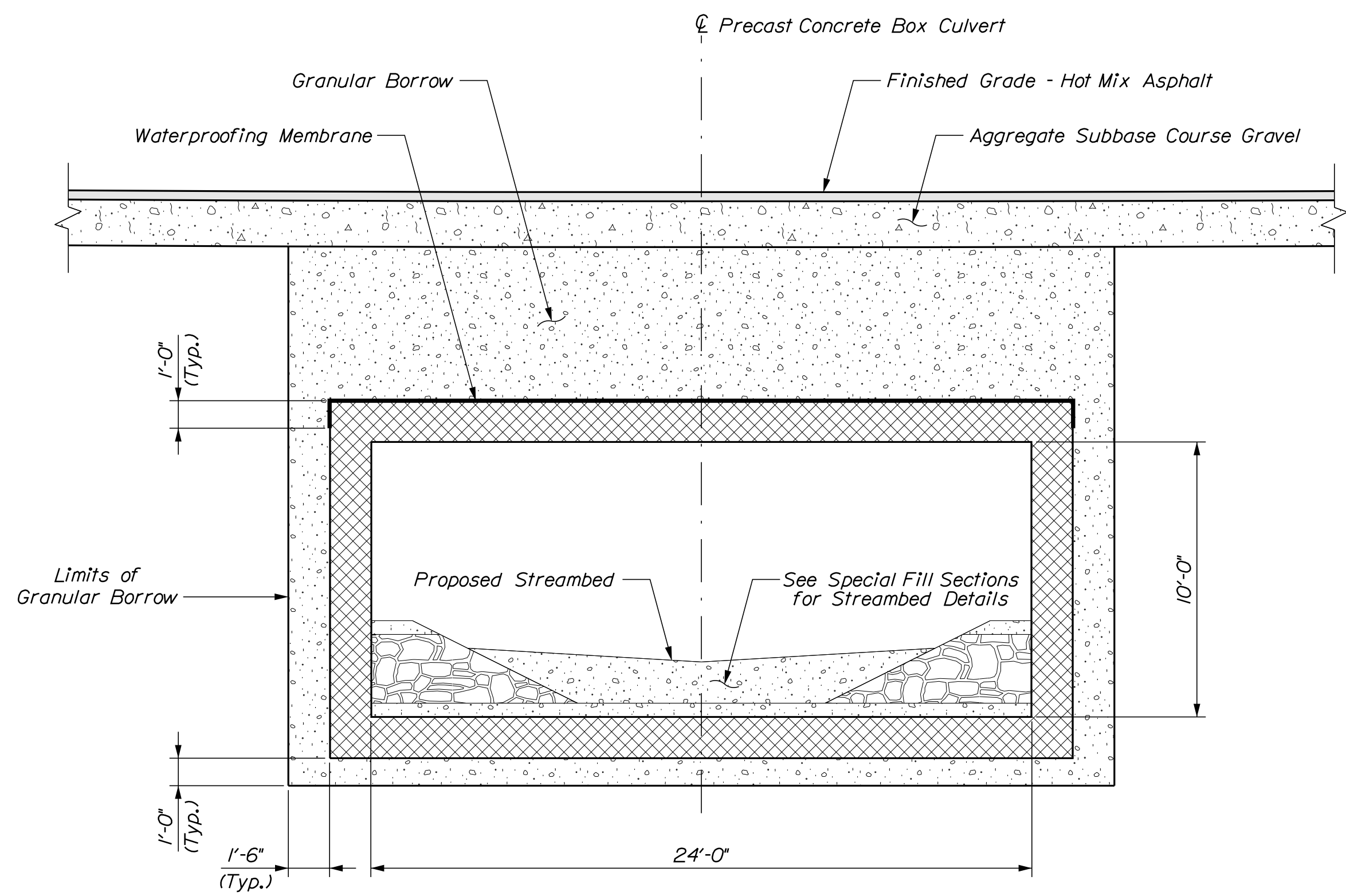
Username: David Shaw

Division: BRIDGE

Filename: ... \00\BRIDGE\MSTA\015\_Box.dgn

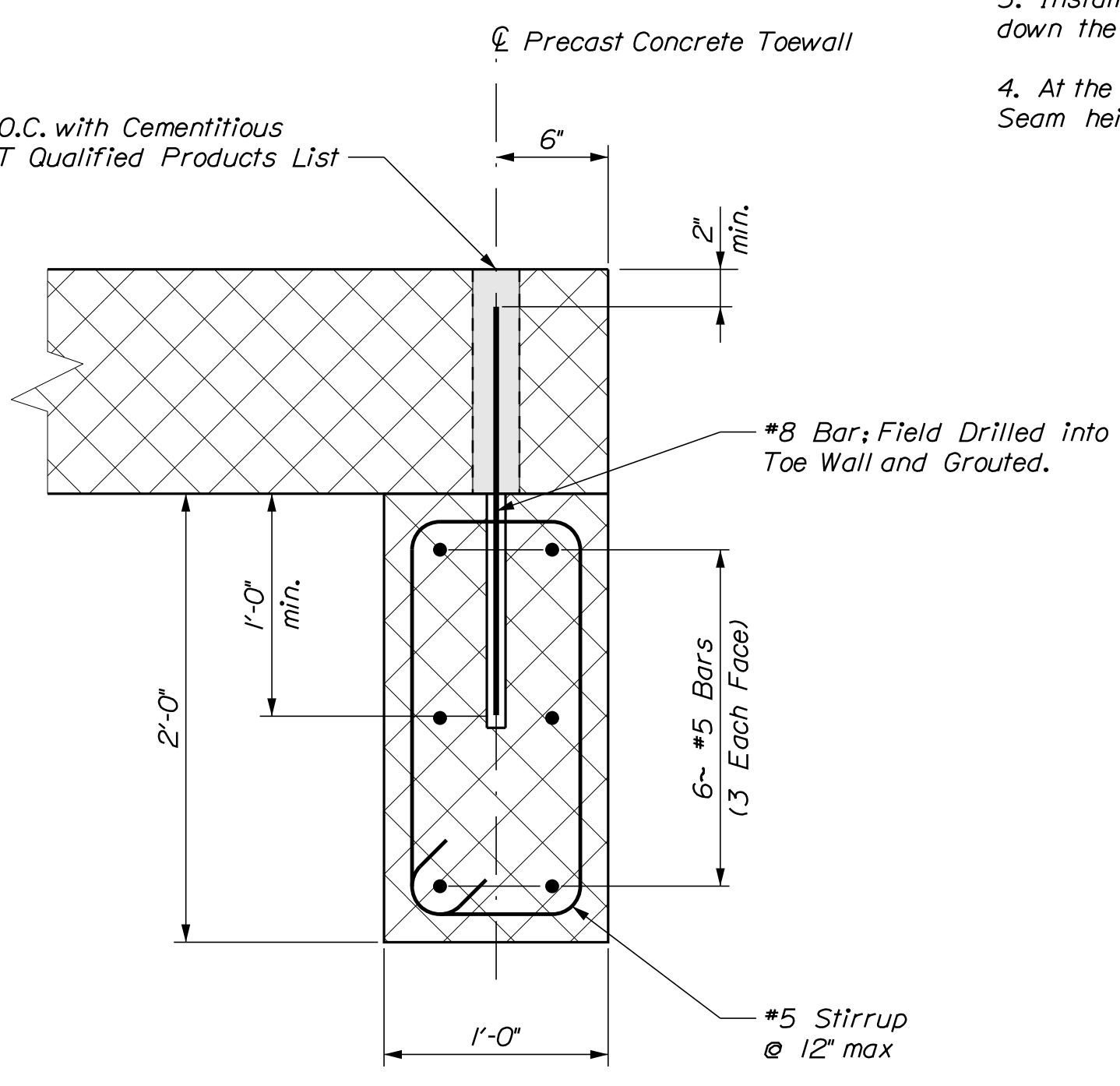


PRECAST CONCRETE BOX PLAN

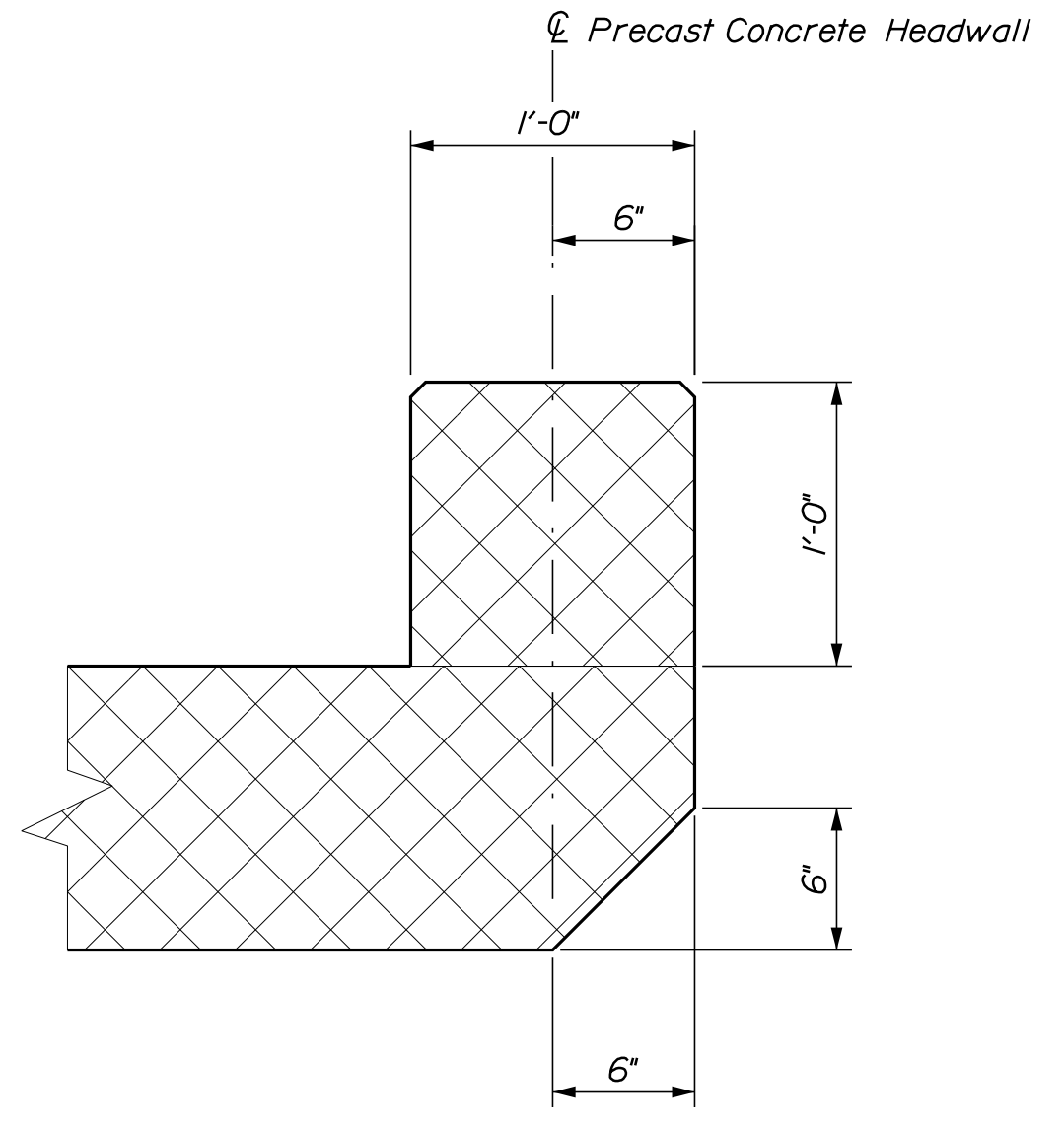


TYPICAL PRECAST CONCRETE BOX TRANSVERSE SECTION

2 1/2" φ PVC Sleeve @ 12" O.C. with Cementitious Anchoring from MaineDOT Qualified Products List



PRECAST CONCRETE TOEWALL DETAIL



PRECAST CONCRETE HEADWALL DETAIL

PRECAST CONCRETE BOX NOTES

1. The precast units shall be designed to carry construction loadings with a minimum fill cover of 18 inches over the top of the units.
2. The construction, handling, and assembly of the precast units shall be in accordance with Special Provisions Section 534, Precast Structural Concrete, and with the manufacturer's specifications as applicable.
3. Install standard membrane waterproofing over the top and to 12 inches down the exterior sides of the precast units.
4. At the Contractor's option, a "clamshell" concrete box culvert may be used. Seam height shall allow for placement of full height of bank lines, as shown.

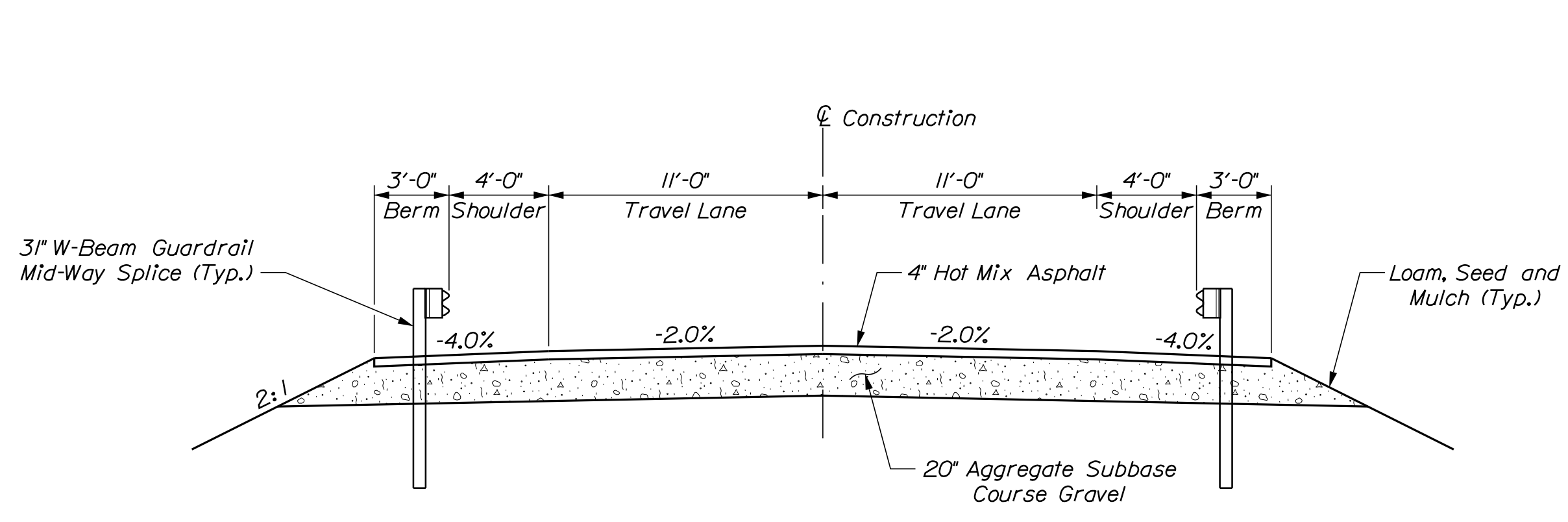
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		2312800		WIN		023128.00		BRIDGE NO. 2739		BRIDGE PLANS	
SALMON STREAM BRIDGE		SALMON BROOK		AROOSTOOK COUNTY		PERHAM		PRECAST CONCRETE BOX CULVERT		SHEET NUMBER		15	
PROJ. MANAGER	J. STEYSON	CHECKED	B. BARTLETT	DESIGNED	D. SHAW	REVISIONS 1		REVISIONS 2		REVISIONS 3		REVISIONS 4	
DATE	FEB 2023	BY	D. SHAW	SIGNATURE		P.E. NUMBER		DATE					
<p style="text-align: center;">OF 19</p>													

Date: 5/25/2023

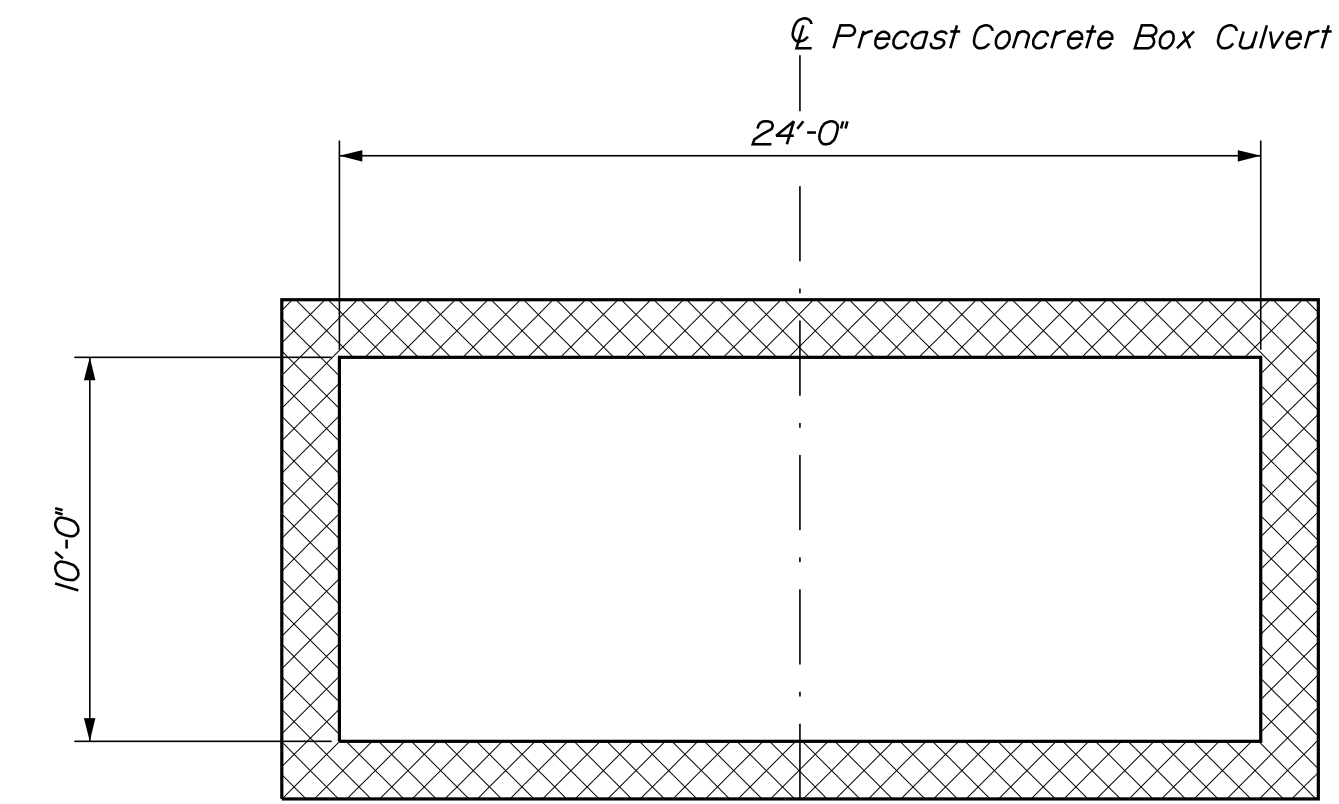
Username: David Shaw

Division: BRIDGE

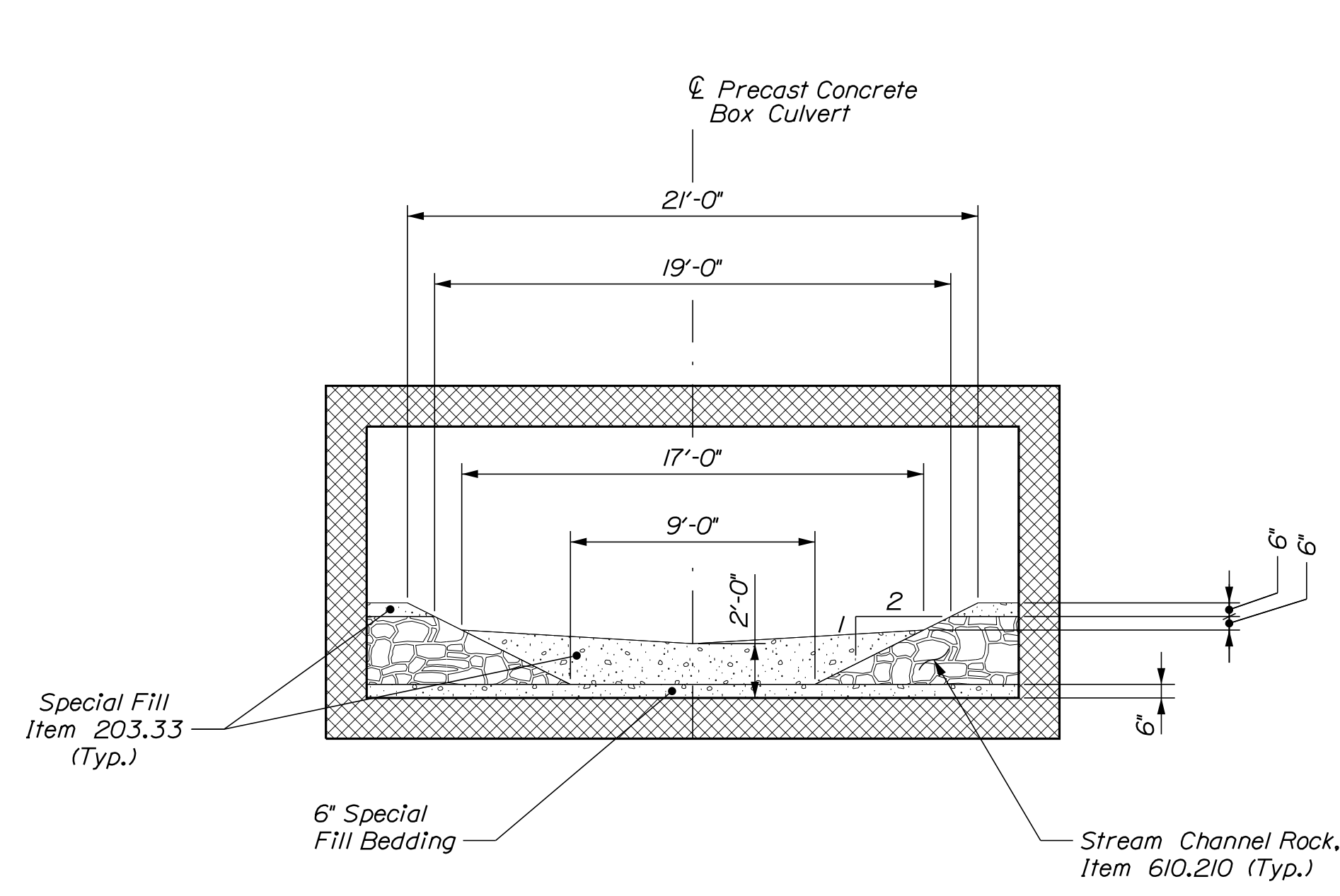
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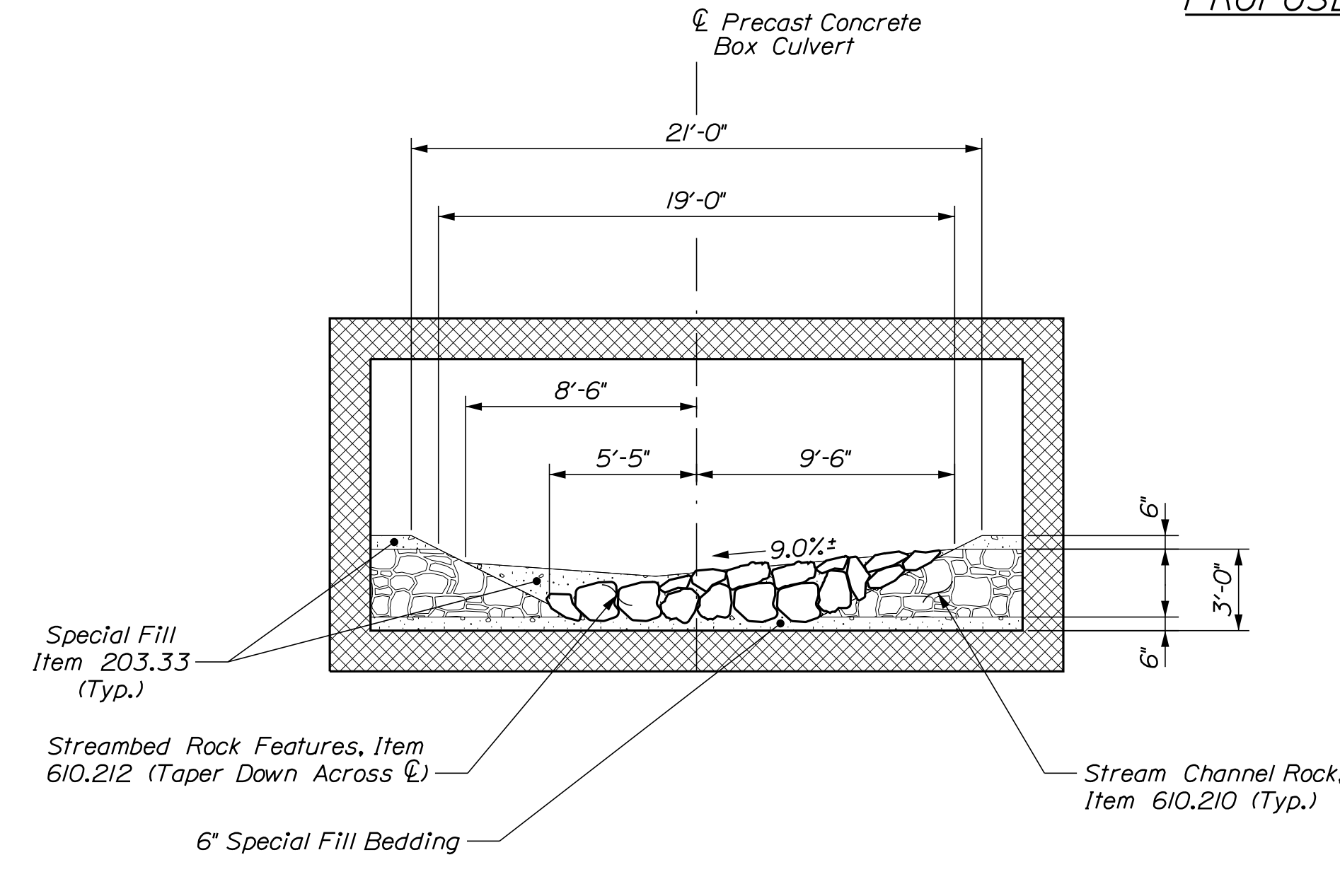
PROPOSED TYPICAL APPROACH SECTION



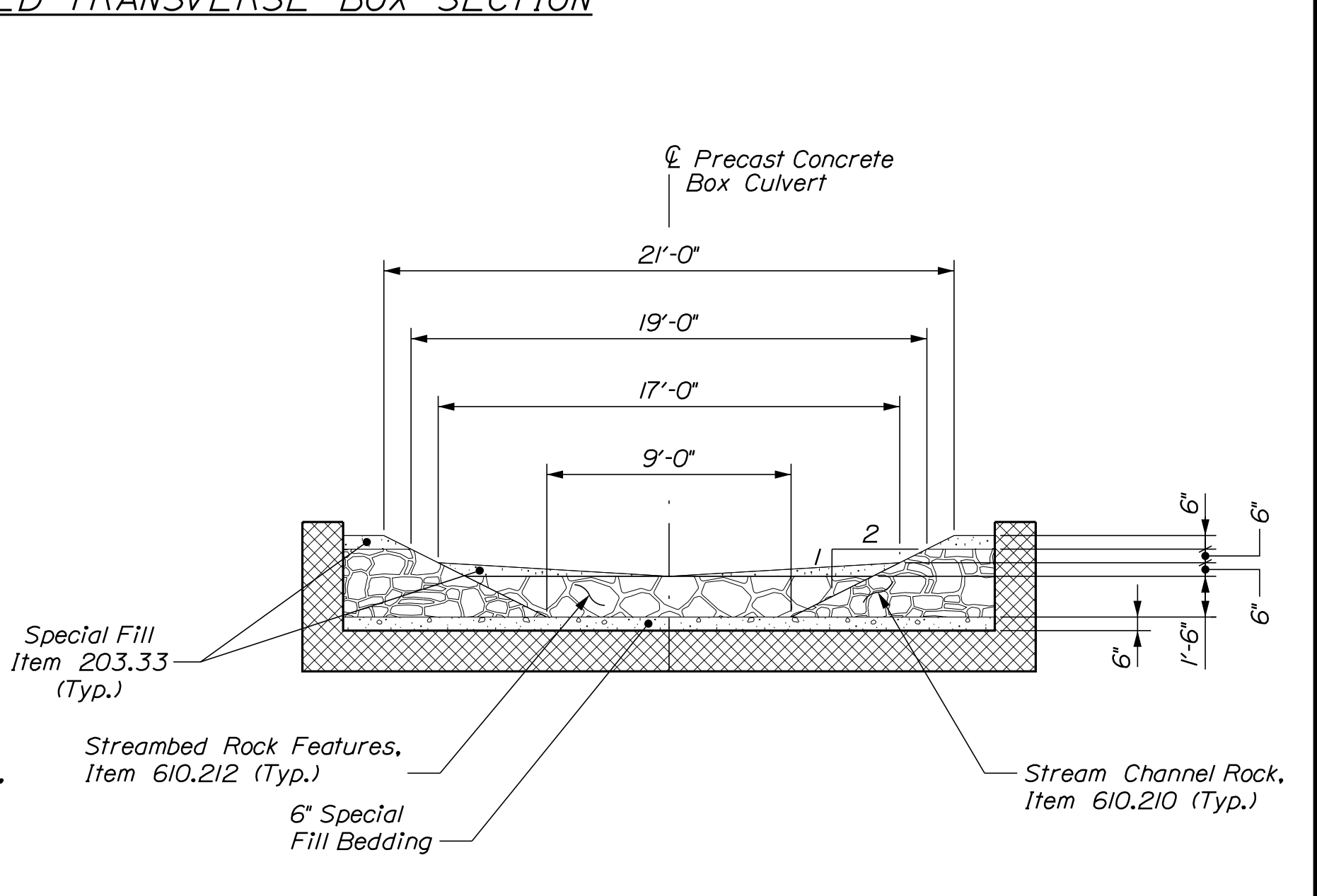
PROPOSED TRANSVERSE BOX SECTION



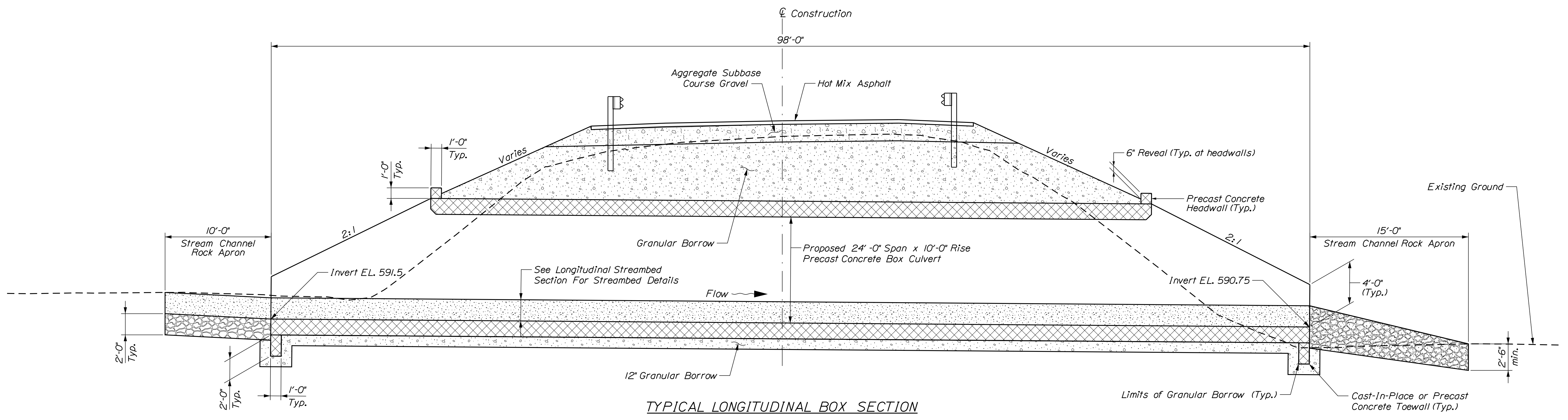
SECTION A-A; STREAMBED BETWEEN ROCK BAND  
(Material Outside Box Not Shown For Clarity)



SECTION B-B; STREAMBED ROCK BANDS  
(Material Outside Box Not Shown For Clarity)



SECTION C-C; OUTLET END ROCK BAND  
(Material Outside Box Not Shown For Clarity)



TYPICAL LONGITUDINAL BOX SECTION

STATE OF MAINE	BRIDGE NO. 2739	BRIDGE PLANS
DEPARTMENT OF TRANSPORTATION	WIN	023128.00
	2312800	

PROJ. MANAGER	DATE	SIGNATURE	P.E. NUMBER	DATE
J. STETSON	FEB 2023			
CHECKED/REVIEWED	BY			
D. BARTLETT	D. SHAW			
DESIGNS/DETAILED				
DESIGNS/DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

SALMON STREAM BRIDGE	
SALMON BROOK	
AROOSTOOK COUNTY	
PERHAM	

TYPICAL SECTIONS
------------------

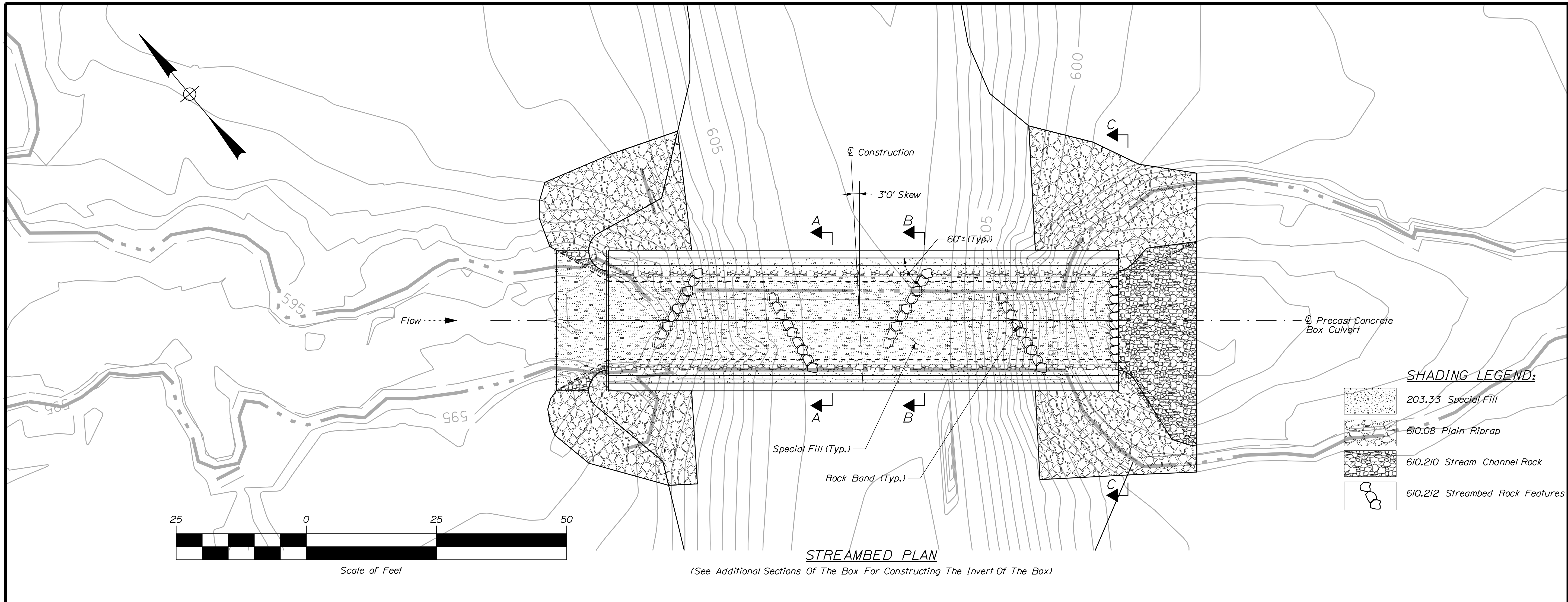
SHEET NUMBER
16
OF 19

Date: 5/25/2023

Username: David Shaw

Division: BRIDGE


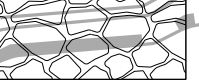
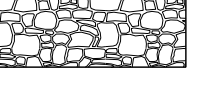

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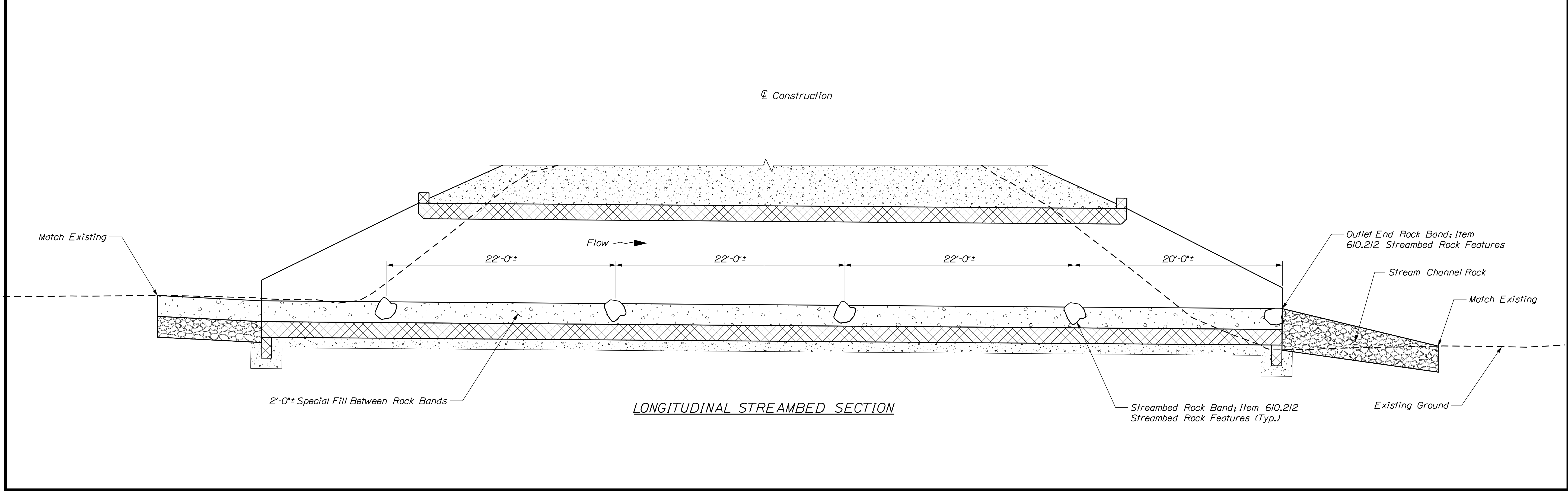


**STREAMBED PLAN**

(See Additional Sections Of The Box For Constructing The Invert Of The Box)

**SHADING LEGEND:**

-  203.33 Special Fill
-  610.08 Plain Riprap
-  610.210 Stream Channel Rock
-  610.212 Streambed Rock Features



**LONGITUDINAL STREAMBED SECTION**

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2312800	
BRIDGE NO. 2739		WIN 023128.00	
BRIDGE PLANS			
PROJ. MANAGER J. STETSON	BY B. BARTLETT / D. SHAW	DATE FEB 2023	SIGNATURE
DESIGN/DETAILED	CHECKED/REVIEWED	DESIGN/DETAILED	P.E. NUMBER
REVISIONS 1	REVISIONS 2	REVISIONS 3	DATE
REVISIONS 4	FIELD CHANGES		
SALMON STREAM BRIDGE SALMON BROOK AROOSTOOK COUNTY			
PERHAM <b>STREAMBED PLAN AND LONGITUDINAL SECTION</b>			
SHEET NUMBER			
<b>17</b>			
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 \_\_\_\_\_  
 Sign \_\_\_\_\_

Clearing Limit Line \_\_\_\_\_  
 Bush Line \_\_\_\_\_  
 Rock/Boulder \_\_\_\_\_  
 Flag Pole \_\_\_\_\_  
 BARB WIRE \_\_\_\_\_  
 STOCKADE \_\_\_\_\_  
 WELL \_\_\_\_\_  
 Mailbox \_\_\_\_\_

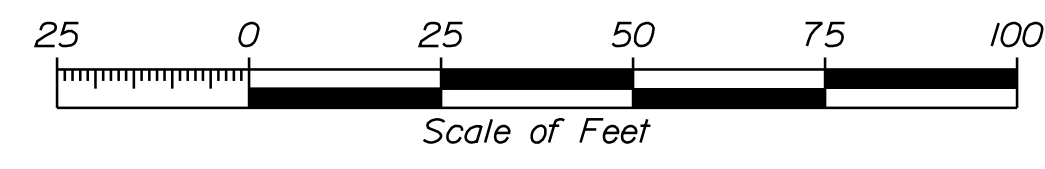
Sanitary Sewer \_\_\_\_\_  
 Telephone Line \_\_\_\_\_  
 Electric Line \_\_\_\_\_  
 Water Line \_\_\_\_\_  
 Underdrain Line \_\_\_\_\_  
 Gas Line \_\_\_\_\_  
 Guardrail \_\_\_\_\_  
 Culvert \_\_\_\_\_

Traveled Way \_\_\_\_\_  
 Ditch \_\_\_\_\_  
 Catch Basin \_\_\_\_\_  
 Manhole \_\_\_\_\_  
 Sewer Manhole \_\_\_\_\_  
 Utility Pole \_\_\_\_\_  
 Fire Hydrant \_\_\_\_\_  
 Curbing \_\_\_\_\_

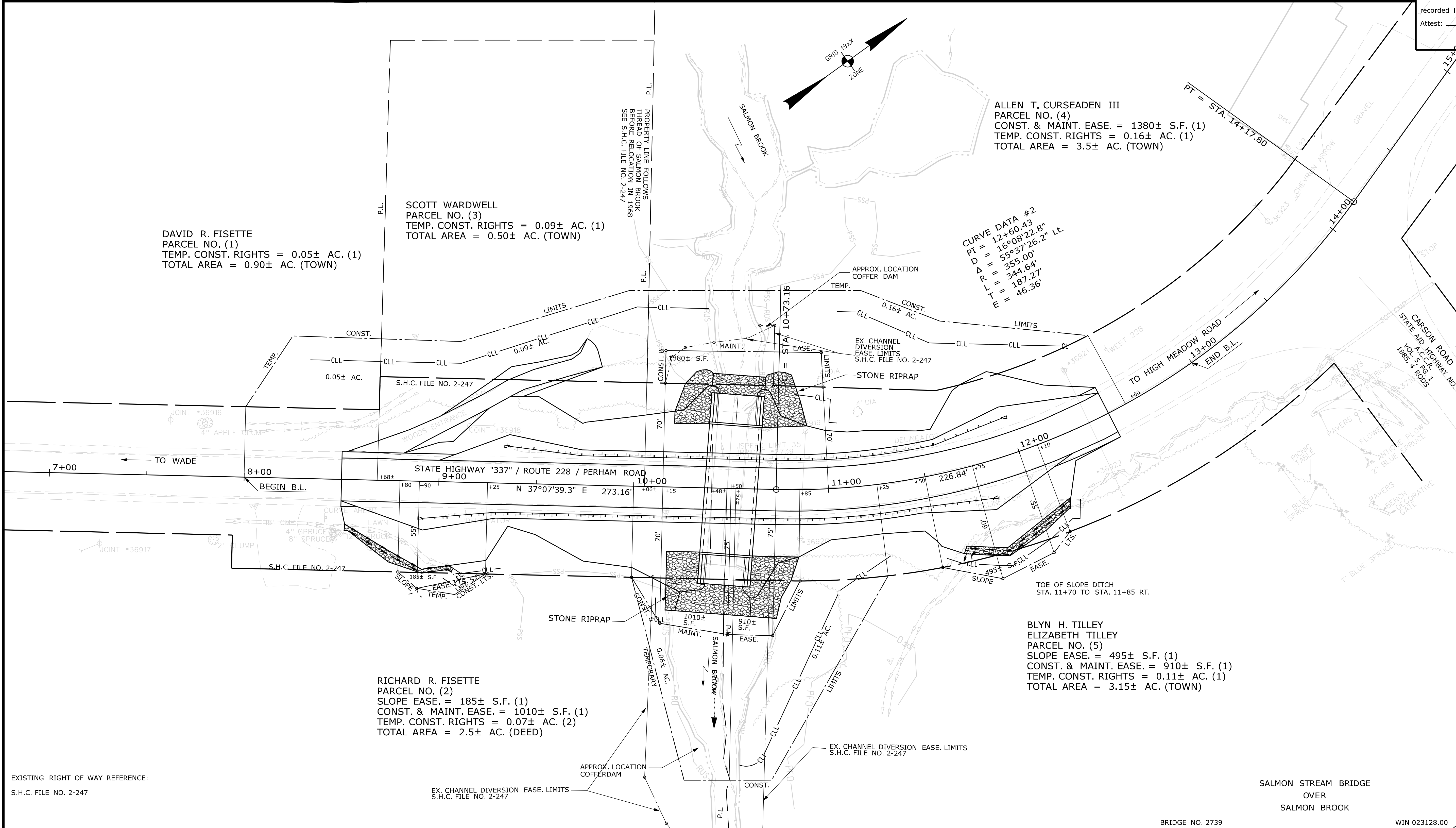
Cut Line \_\_\_\_\_  
 Stonewall \_\_\_\_\_  
 Baseline \_\_\_\_\_  
 Monument \_\_\_\_\_  
 Iron Rod Found \_\_\_\_\_  
 Replacement Pin Set \_\_\_\_\_

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.



STATE OF MAINE  
 REGISTRY OF DEEDS  
 COUNTY \_\_\_\_\_  
 RECEIVED \_\_\_\_\_  
 at \_\_\_\_\_ h \_\_\_\_\_ m \_\_\_\_\_ M and  
 recorded in Plan Bk \_\_\_\_\_, Pg. \_\_\_\_\_  
 Attest: \_\_\_\_\_  
 REGISTER



DAVID R. FISETTE  
 PARCEL NO. (1)  
 TEMP. CONST. RIGHTS = 0.05± AC. (1)  
 TOTAL AREA = 0.90± AC. (TOWN)

SCOTT WARDWELL  
 PARCEL NO. (3)  
 TEMP. CONST. RIGHTS = 0.09± AC. (1)  
 TOTAL AREA = 0.50± AC. (TOWN)

ALLEN T. CURSEADEN III  
 PARCEL NO. (4)  
 CONST. & MAINT. EASE. = 1380± S.F. (1)  
 TEMP. CONST. RIGHTS = 0.16± AC. (1)  
 TOTAL AREA = 3.5± AC. (TOWN)

CURVE DATA #2  
 PI = 12+60.43  
 D = 16°08'22.8"  
 Δ R = 355.00'  
 L = 344.64'  
 T = 187.27'  
 E = 46.36'

RICHARD R. FISETTE  
 PARCEL NO. (2)  
 SLOPE EASE. = 185± S.F. (1)  
 CONST. & MAINT. EASE. = 1010± S.F. (1)  
 TEMP. CONST. RIGHTS = 0.07± AC. (2)  
 TOTAL AREA = 2.5± AC. (DEED)

BLYN H. TILLEY  
 ELIZABETH TILLEY  
 PARCEL NO. (5)  
 SLOPE EASE. = 495± S.F. (1)  
 CONST. & MAINT. EASE. = 910± S.F. (1)  
 TEMP. CONST. RIGHTS = 0.11± AC. (1)  
 TOTAL AREA = 3.15± AC. (TOWN)

EXISTING RIGHT OF WAY REFERENCE:  
 S.H.C. FILE NO. 2-247

EX. CHANNEL DIVERSION EASE. LIMITS  
 S.H.C. FILE NO. 2-247

BRIDGE NO. 2739 WIN 023128.00

ITEM	TECH	CHECKED
EXISTING CONDITION PLAN	T.L.B.	
FINAL RIGHT OF WAY	T.L.B.	B.D.M.
AREAS	T.L.B.	P.N.S.

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

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

BRUCE A. VAN NOTE  
 COMMISSIONER  
 JOYCE NOEL TAYLOR  
 CHIEF ENGINEER  
 DATE \_\_\_\_\_

STATE HIGHWAY "337"  
 ROUTE 228 / PERHAM ROAD  
 PERHAM AROOSTOOK COUNTY  
 FEDERAL AID PROJECT NO. 2312800  
 JANUARY 2023  
 SCALE 1" = 25'

SHEET NUMBER  
**18**  
 OF 19

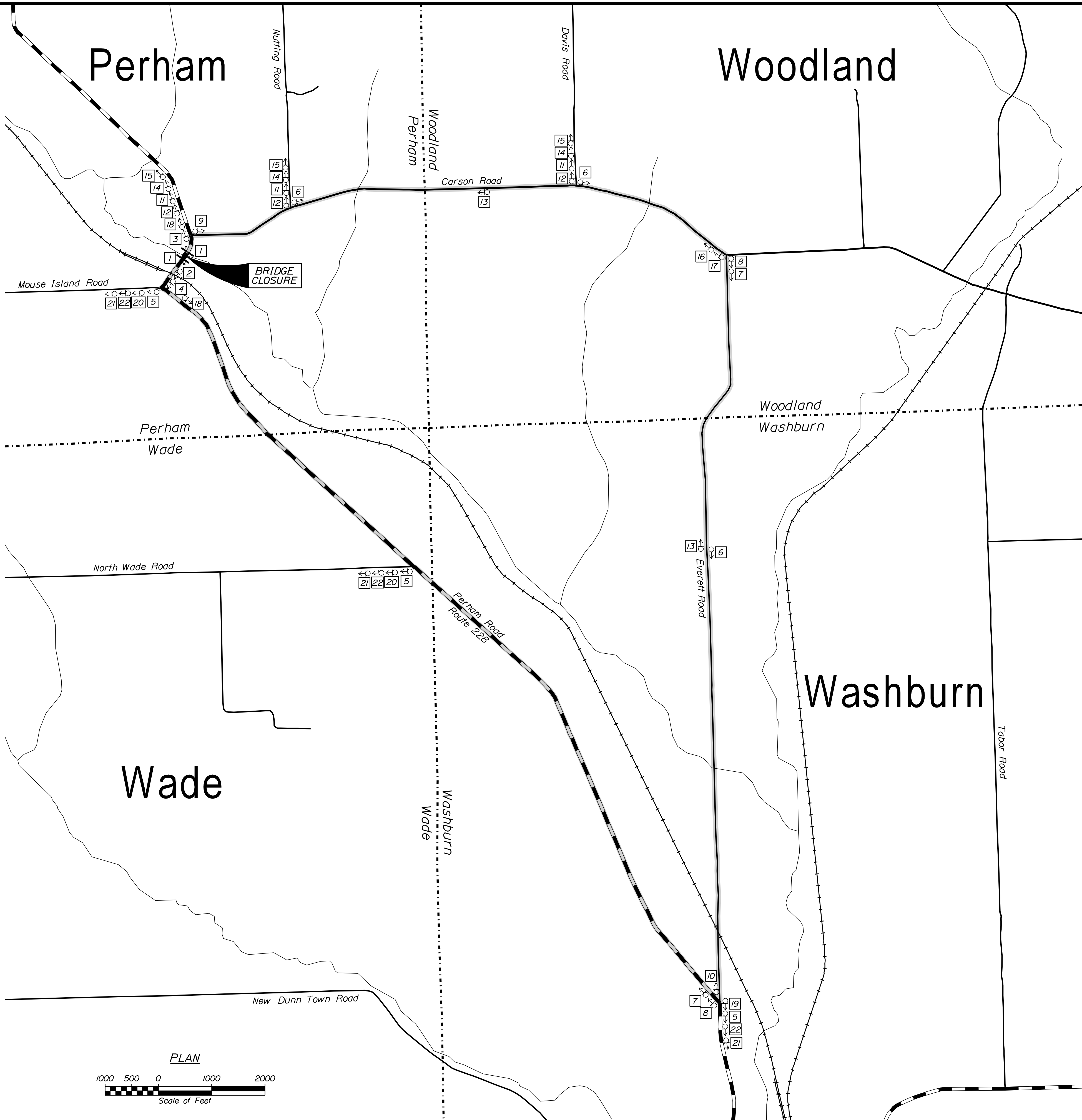
Date: 5/25/2023

Username: David.Shaw

Division: BRIDGE

Filename: ... \00\ROW\MSTA001\_RWPLAN1.dgn

1	ROAD CLOSED TYPE III BARRICADES	14	SOUTH 228 DETOUR AHEAD
2	ROAD CLOSED 500 FT	15	SOUTH 228 ROAD CLOSED AHEAD
3	ROAD CLOSED 400 FEET AHEAD LOCAL TRAFFIC ONLY TYPE III BARRICADE	16	DETOUR SOUTH 228
4	ROAD CLOSED 150 FEET AHEAD LOCAL TRAFFIC ONLY TYPE III BARRICADE	17	DETOUR SOUTH 228
5	DETOUR NORTH 228	18	ROAD CLOSED 1000 FT
6	DETOUR NORTH 228	19	ROAD CLOSED 3.4 MILES AHEAD LOCAL TRAFFIC ONLY DETOUR
7	DETOUR NORTH 228	20	DETOUR NORTH 228
8	DETOUR NORTH 228	21	ROAD CLOSED AHEAD
9	END DETOUR NORTH 228	22	DETOUR AHEAD
10	END DETOUR SOUTH 228		
11	DETOUR SOUTH 228		
12	DETOUR SOUTH 228		
13	DETOUR SOUTH 228		



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2312800	
		WIN 023128.00	
		BRIDGE NO. 2739	
		BRIDGE PLANS	
SALMON STREAM BRIDGE		SALMON BROOK	
SALMON BROOK		AROOSTOOK COUNTY	
PERHAM		DETOUR PLAN	
SHEET NUMBER		19	
		OF 19	

PROJ. MANAGER	J. STETSON	BY	DATE
CHECKED-REVIEWED	B. BARTLETT	D. SHAW	FEB 2023
DESIGNS DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE	P.E. NUMBER	DATE