



U.S. ARMY



US Army Corps
of Engineers®
New England District

PUBLIC NOTICE

Comment Period Begins: November 21, 2023

Comment Period Ends: December 21, 2023

File Number: NAE-2023-02395

In Reply Refer to: Richard Kristoff

Phone: (978) 318-8171

Email: Richard.C.Kristoff@usace.army.mil

The District Engineer, U.S. Army Corps of Engineers, New England District (USACE), has received a permit application, file number NAE-2023-02395, to conduct work in waters of the United States from Maine Department of Transportation 16 State House Station, Augusta, Maine 04333. This work is proposed in Cousins River where Route 1 crosses over at the Freeport/Yarmouth Line, Maine. The site coordinates are: Latitude 43.812726 N Longitude -70.153401 W.

The work involves replacing the existing bridge with a 115 foot span bridge having two 11 foot travel lanes, 6 foot minimum shoulders, and a 10 foot shared use path. The bridge will be supported by integral abutments on corrosion resistant H-piles driven to bedrock. The project includes 1,550 ft of approach work. Two-way traffic will be maintained using staged construction. The primary purpose being to correct deficiencies in the bridge and establish a pedestrian and bicycle lane.

Work within Waters of the United States include new abutments, riprap, and dewatering via cofferdams. Impacts will be 16,035 square feet of intertidal estuarine for riprap, 3,580 square feet of intertidal estuarine for cofferdams and dewatering, 545 square feet of palustrine for general fill, and 1,100 square feet of area below the high tide line for riprap. Additionally, the following habitat types may become altered due to the proposed swale interfering with tidal flows: 7,440 square feet of salt marsh, 2,740 square feet of tidal creek, and 1,685 square feet of mud flat. These areas could see an increase in water where ponding may occur, and vegetation may become redistributed. Construction will be conducted over two seasons.

The work is shown on the enclosed plans entitled "Project Location WIN 021725.00," on 1 sheet, and not dated, "FREEPORT - YARMOUTH - WIN 21725.00" on 1 sheet, and not dated, "PLANS" on 4 sheets, and not dated, and "COUSINS RIVER BRIDGE" on 7 sheets, and dated "7/14/2023"

It is anticipated that impacts will be offset by paying an in-lieu fee to the Maine Natural Resources Conservation Program. Impacts have been avoided or minimized by reducing permanent fill of wetlands which resulted in conversion rather than complete loss of wetlands. Maintenance of traffic will be achieved using staged construction techniques rather than a temporary detour, which reduced temporary resource impacts.

AUTHORITY

Permits are required pursuant to:

- Section 10 of the Rivers and Harbors Act of 1899
- Section 404 of the Clean Water Act
- Section 103 of the Marine Protection, Research and Sanctuaries Act.
- Section 14 of the Rivers and Harbors Act of 1899 (33 USC 408)

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The USACE is soliciting comments from the public; federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. The USACE will consider all comments received to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an environmental assessment and/or an environmental impact statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972, as amended.

ESSENTIAL FISH HABITAT

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). Essential Fish Habitat describes waters and substrate necessary for fish for spawning, breeding, feeding or growth to maturity.

This project will have an adverse effect on 3.28 acres of EFH. This habitat consists of estuarine areas of mudflats, saltmarsh, and river. Loss of this habitat may adversely affect species that use these waters and substrate. The District Engineer has made a preliminary determination that site-specific impacts may be substantial. Accordingly, the USACE will submit an expanded EFH assessment to the National Marine Fisheries Service, who in turn will provide conservation recommendations to the USACE. The USACE will coordinate with the applicant regarding implementation of these recommendations. The EFH consultation will be concluded prior to the final decision.

NATIONAL HISTORIC PRESERVATION ACT

Based on our initial review of the proposed project and coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s), no historic properties were identified within the permit area and/or the area of potential effects. Additional review and consultation to fulfill requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

ENDANGERED SPECIES CONSULTATION

The USACE has reviewed the application for the potential impact on federally-listed threatened or endangered species and their designated critical habitat pursuant to section 7 of the Endangered Species Act (ESA) as amended. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect a listed species or their critical habitat. We are coordinating with the National Marine Fisheries Service and/or U.S. Fish and Wildlife Service on listed species under their jurisdiction and the ESA consultation will be concluded prior to the final decision.

OTHER GOVERNMENT AUTHORIZATIONS

The states of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island

have approved Coastal Zone Management Programs. Where applicable, the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this public notice, we are requesting the state concurrence or objection to the applicant's consistency statement.

The following authorizations have been applied for, or have been, or will be obtained:

- (X) Permit, license or assent from State.
- (X) Permit from local wetland agency or conservation commission.
- (X) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

COMMENTS

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. People submitting comments are advised that all comments received will be available for public review in their entirety and will be considered a matter of public record.

Comments should be submitted in writing by the above date. If you have any questions, please contact Richard Kristoff at richard.c.kristoff@usace.army.mil, (978) 318-8171, (800) 343-4789 or (800) 362-4367.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The USACE holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

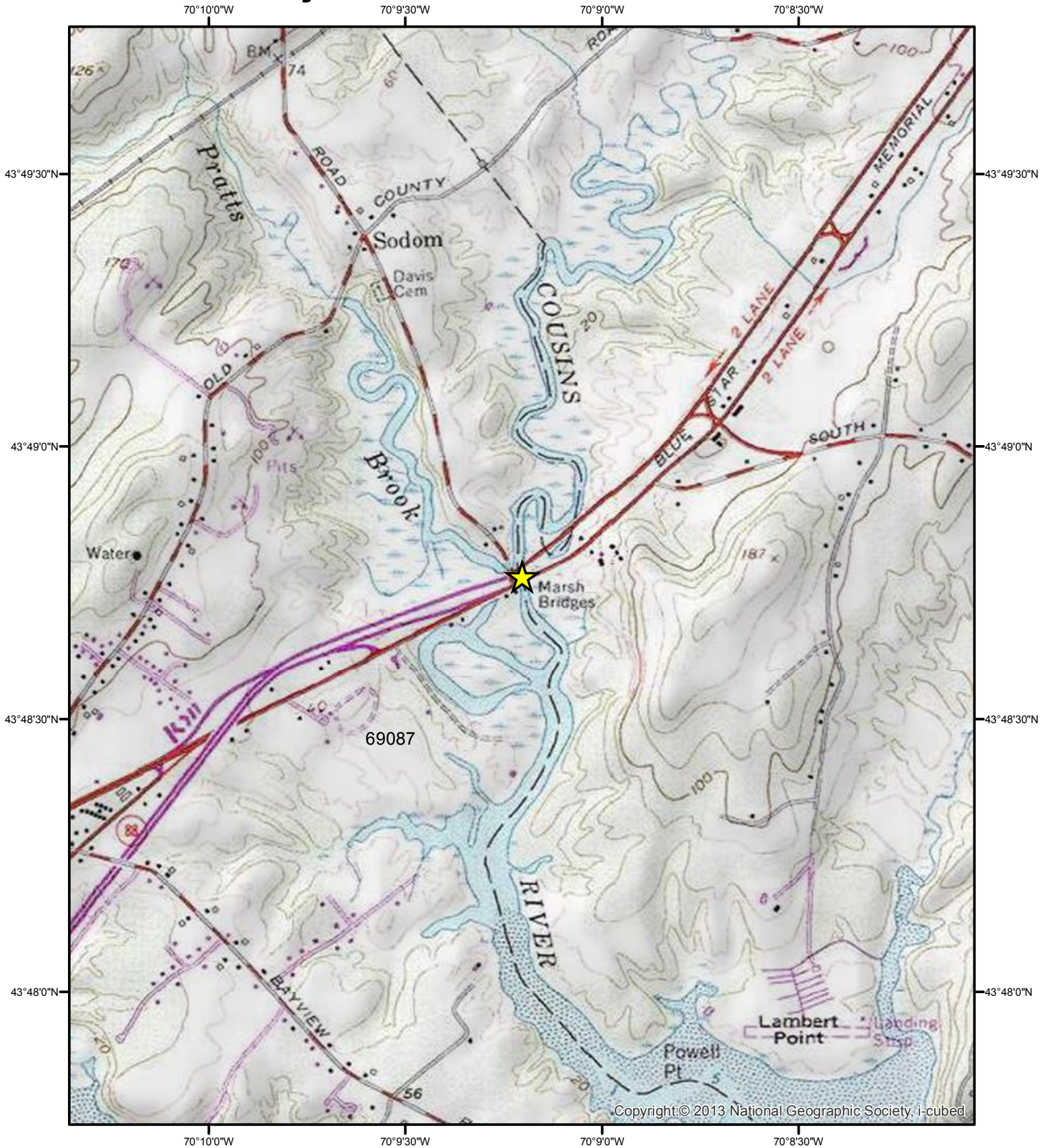
CENAE-R
File No. NAE-2023-02395

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

**Frank J. Del Giudice
Chief, NH & VT Section
Regulatory Division**

Please contact Ms. Tina Chaisson at bettina.m.chaisson@usace.army.mil or
(978) 318-8058 if you would like to be removed from our public notice mailing list.

Project Location WIN 021725.00



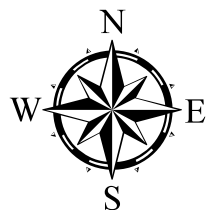
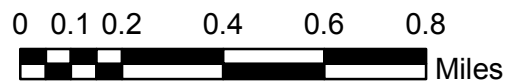
MDOT WIN# 021725.00

Freeport

FREEPORT / YARMOUTH, BR #2183

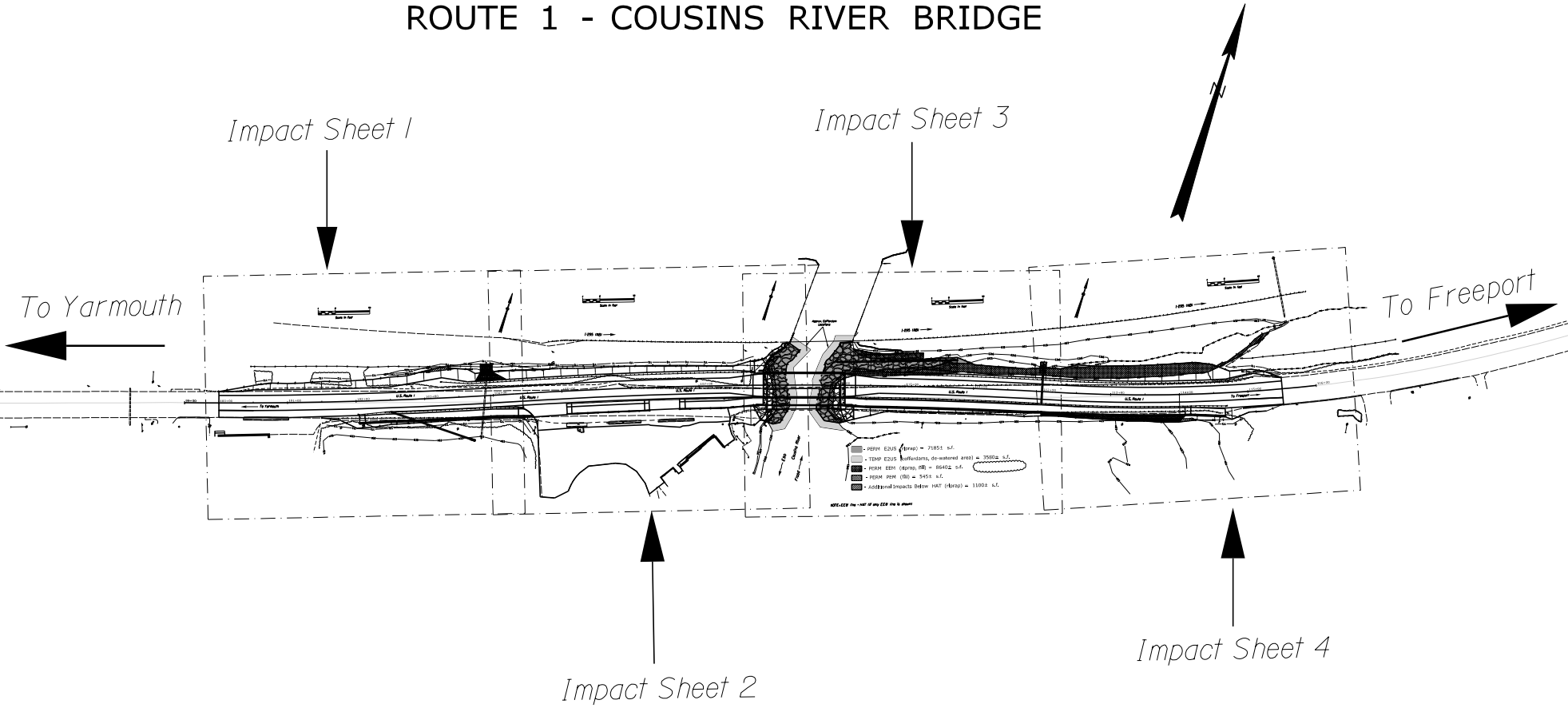
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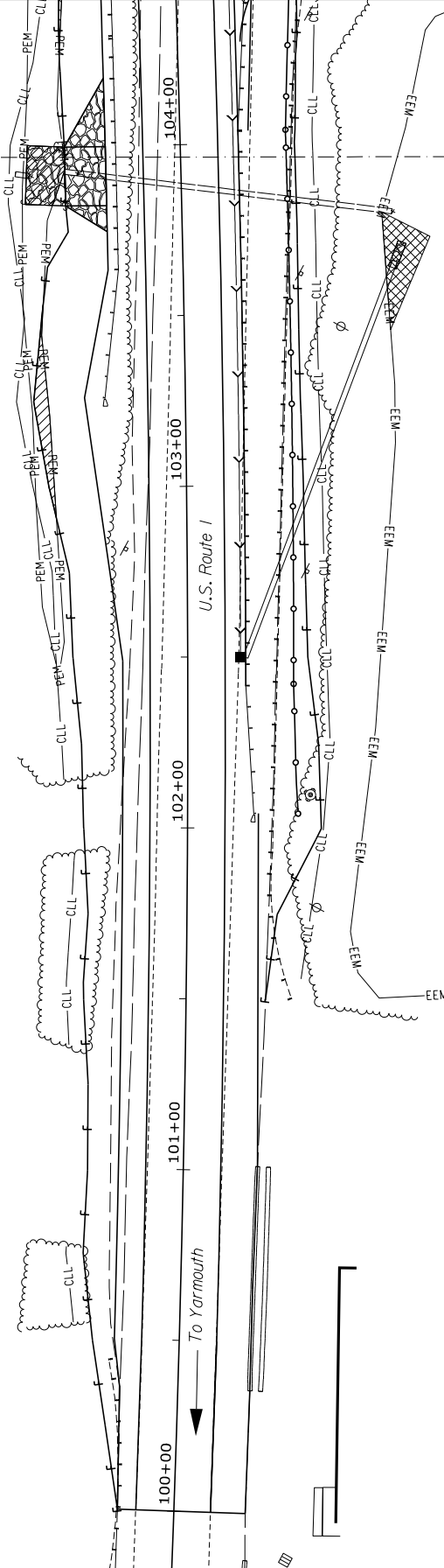
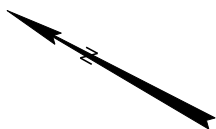
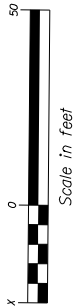
Decimal Degree, WGS 1984



FREEPORT - YARMOUTH - WIN 21725.00

ROUTE 1 - COUSINS RIVER BRIDGE





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

US RT 1 YARMOUTH-FREEPORT
CUMBERLAND COUNTY

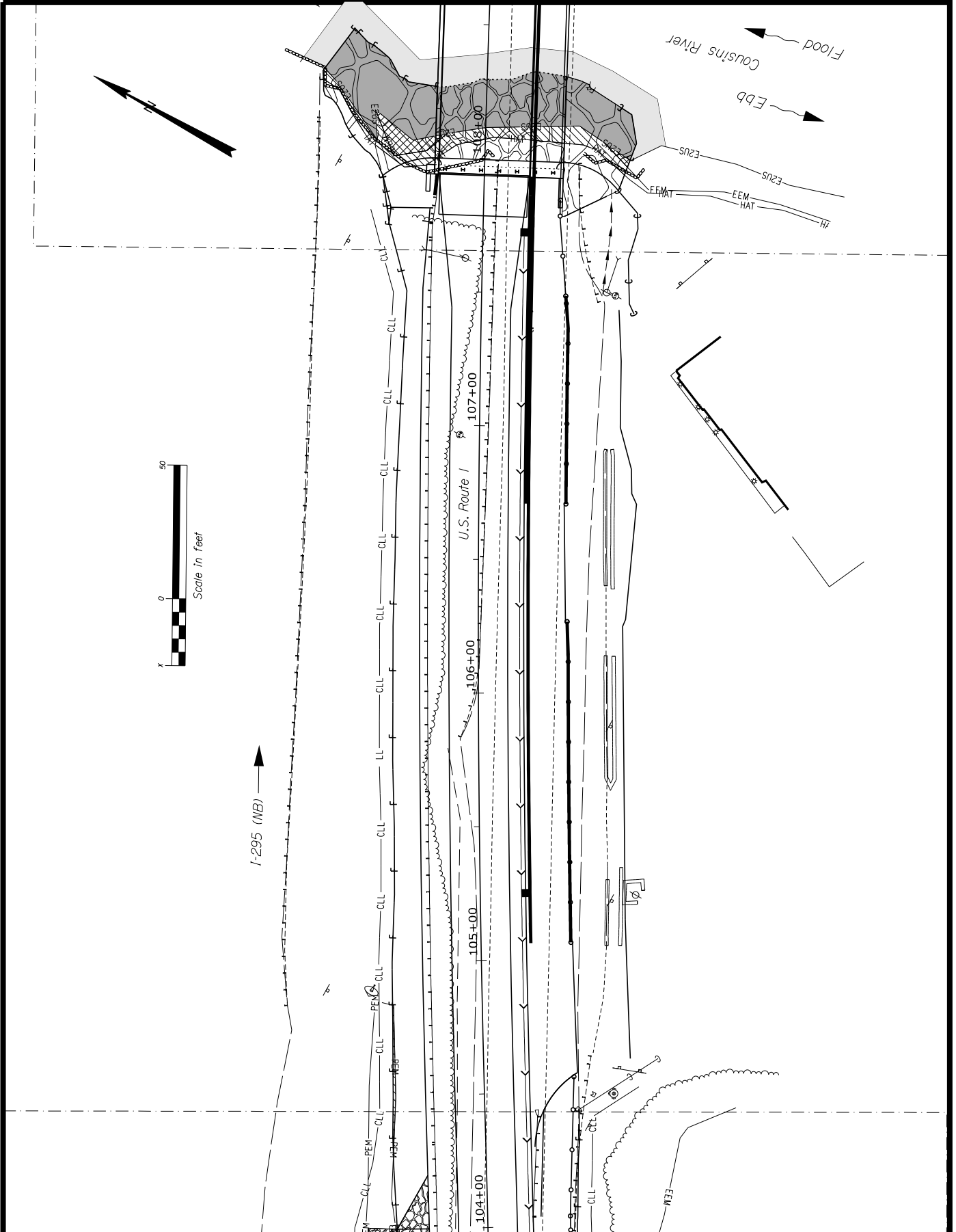
SHEET NUMBER

1

021725.00

PLANS

OF 4



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

US RT 1 YARMOUTH-FREEPORT
CUMBERLAND COUNTY

SHEET NUMBER

2

021725.00

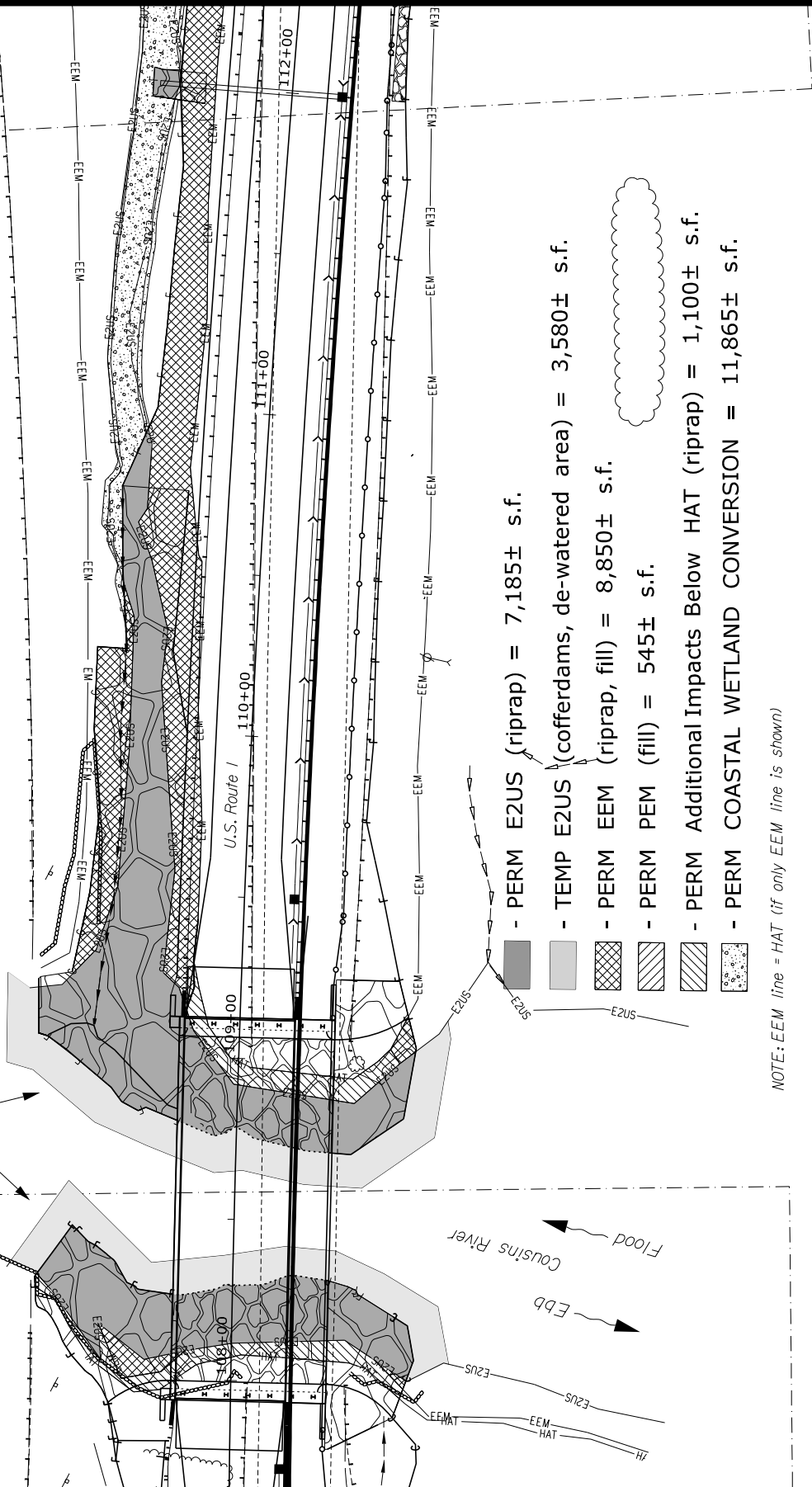
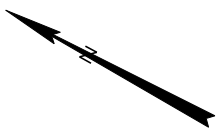
PLANS

OF 4



I-295 (NB) →

Approx. Cofferdam Locations



- PERM E2US (riprap) = 7,185± s.f.
- TEMP E2US (cofferdams, de-watered area) = 3,580± s.f.
- PERM EEM (riprap, fill) = 8,850± s.f.
- PERM PEM (fill) = 545± s.f.
- PERM Additional Impacts Below HAT (riprap) = 1,100± s.f.
- PERM COASTAL WETLAND CONVERSION = 11,865± s.f.

NOTE: EEM line = HAT (if only EEM line is shown)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

US RT 1 YARMOUTH-FREEPORT
CUMBERLAND COUNTY

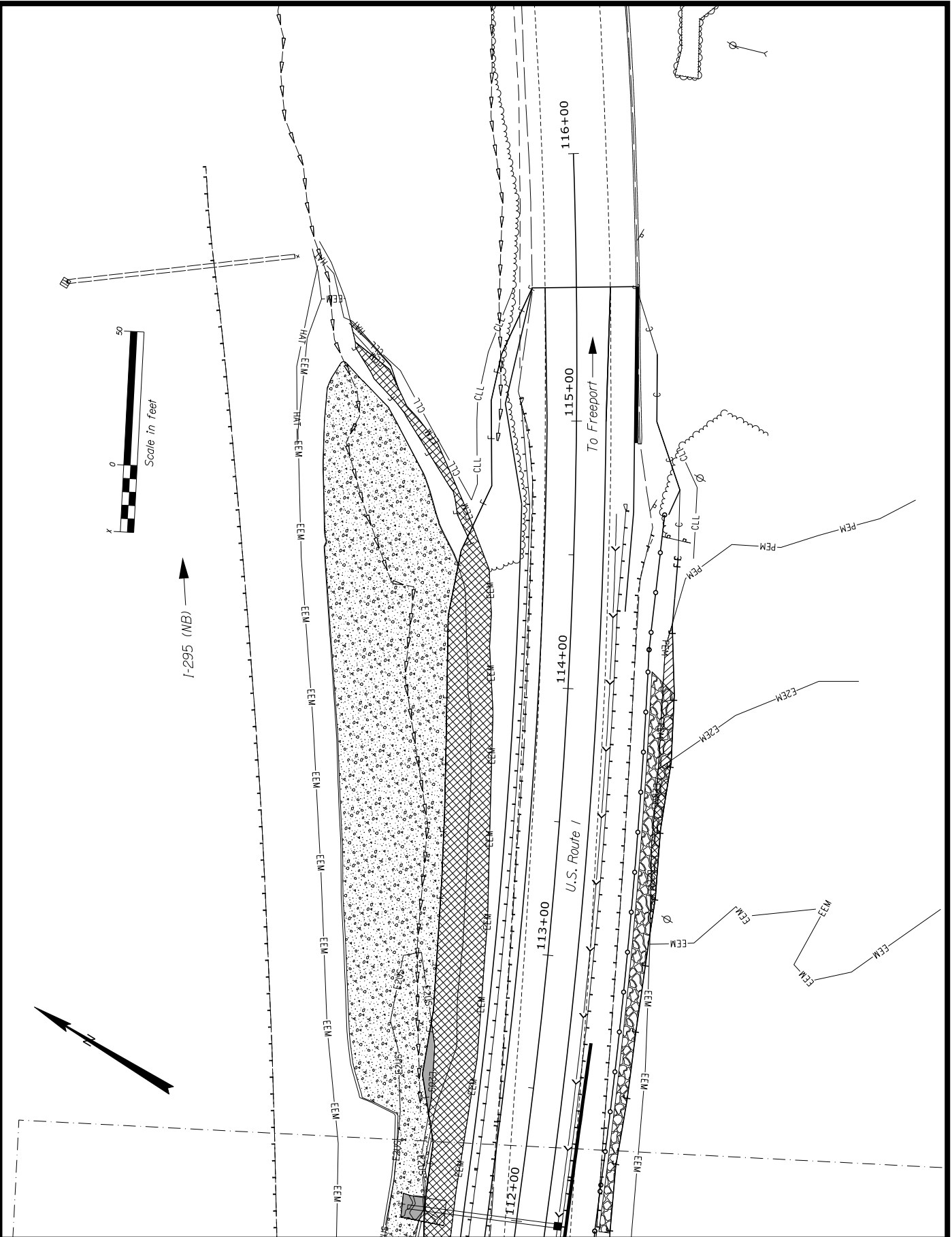
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3

PLANS

021725.00

OF4



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

US RT 1 YARMOUTH-FREEPORT
CUMBERLAND COUNTY

SHEET NUMBER

4

021725.00

PLANS

OF 4

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



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 (2021) AADT 9790
 Future (2041) AADT 10380
 DHV - % of AADT 11
 Design Hour Volume 1185
 Heavy Trucks (% of AADT) 4
 Heavy Trucks (% of DHV) 1
 Directional Distribution (% of DHV) 58
 18 kip Equivalent P 2.0 135
 18 kip Equivalent P 2.5 128
 Design Speed (mph) 45

HYDROLOGIC DATA

Drainage Area 18.5 sq mi
 Design Discharge (Q50) 2197 cfs
 Check Discharge (Q100) 2560 cfs
 Storm Surge Elevation (Q50) 8.60 ft
 Storm Surge Elevation (Q100) 9.22 ft
 Mean Lower Low Water (MLLW) -5.14 ft
 Mean Low Water (MLW) -4.79 ft
 Mean Tide Level (MTL) -0.23 ft
 Mean High Water (MHW) 4.33 ft
 Mean Higher High Water (MHHW) 4.77 ft

MATERIALS

Concrete:
 Curbs and Barriers Class "LP"
 Precast Concrete Beams Class "P"
 All Other Class "A"
 Reinforcing:
 Plain ASTM A 615/A 615M, Grade 60
 Low-Carbon Chromium ASTM A1035-CS, Grade 100
 Prestressing Strands AASHTO M 203 (ASTM A 416),
 Grade 270, Low Relaxation

BASIC DESIGN STRESSES

Concrete
 Class "A" f 'c = 4000 psi
 Class "LP" f 'c = 5000 psi
 Class "P" f 'c = 8000 psi
 f 'ci = 6600 psi
 Plain Reinforcing Steel f y = 60,000 psi
 Low-Carbon Chromium f y = 100,000 psi
 Prestressing Strand F μ = 270,000 psi

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* Sheets not included in 80% Submission

UTILITIES

Central Maine Power Company	MaineCom Services
Consolidated Communications	Maine Water Company
of Northern New England Company, LLC	OTELCO (South)
Firstlight	Oxford Networks
GW/Biddeford Internet Group	Town of Yarmouth
Summit Natural Gas - Maine	

MAINTENANCE OF TRAFFIC

Maintain one lane of alternating traffic using temporary signals and staged construction.

YARMOUTH-FREEPORT CUMBERLAND COUNTY COUSINS RIVER BRIDGE OVER COUSINS RIVER US ROUTE 1 PROJECT NO. STP-2172(500) PROJECT LENGTH 0.27 mi. BRIDGE NO. 2183

80% DRAFT SUBMISSION
JULY 14, 2024

<u>PROJECT LOCATION</u>	Route 1 / Cousins River Bridge (#2183) over Cousins River. Located on the Yarmouth/Freeport Town Line. Lat./Long. 43°48'45.68N 70°09'12.60" W
<u>PROGRAM AREA</u>	Bridge
<u>OUTLINE OF WORK</u>	Bridge Replacement

Date: 7/14/2023

Username:

Division: BRIDGE

Filename: \\00\BRIDGE\WSTA\001_Title.dgn

WIN 21725.00

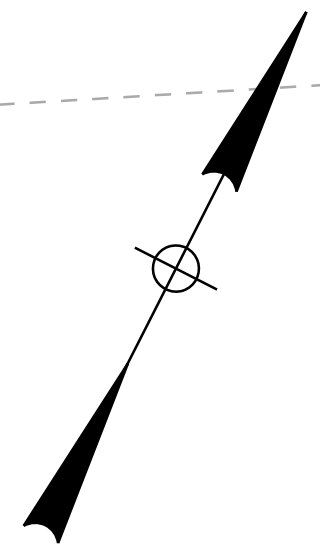
STP-2172(500)

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	SIGNATURE	P.E. NUMBER	DATE
COMMISSIONER:	CHIEF ENGINEER:			
YARMOUTH-FREEPORT COUSINS RIVER BRIDGE				
TITLE SHEET				
SHEET NUMBER				
1				
OF 64				

Date: 7/14/2023

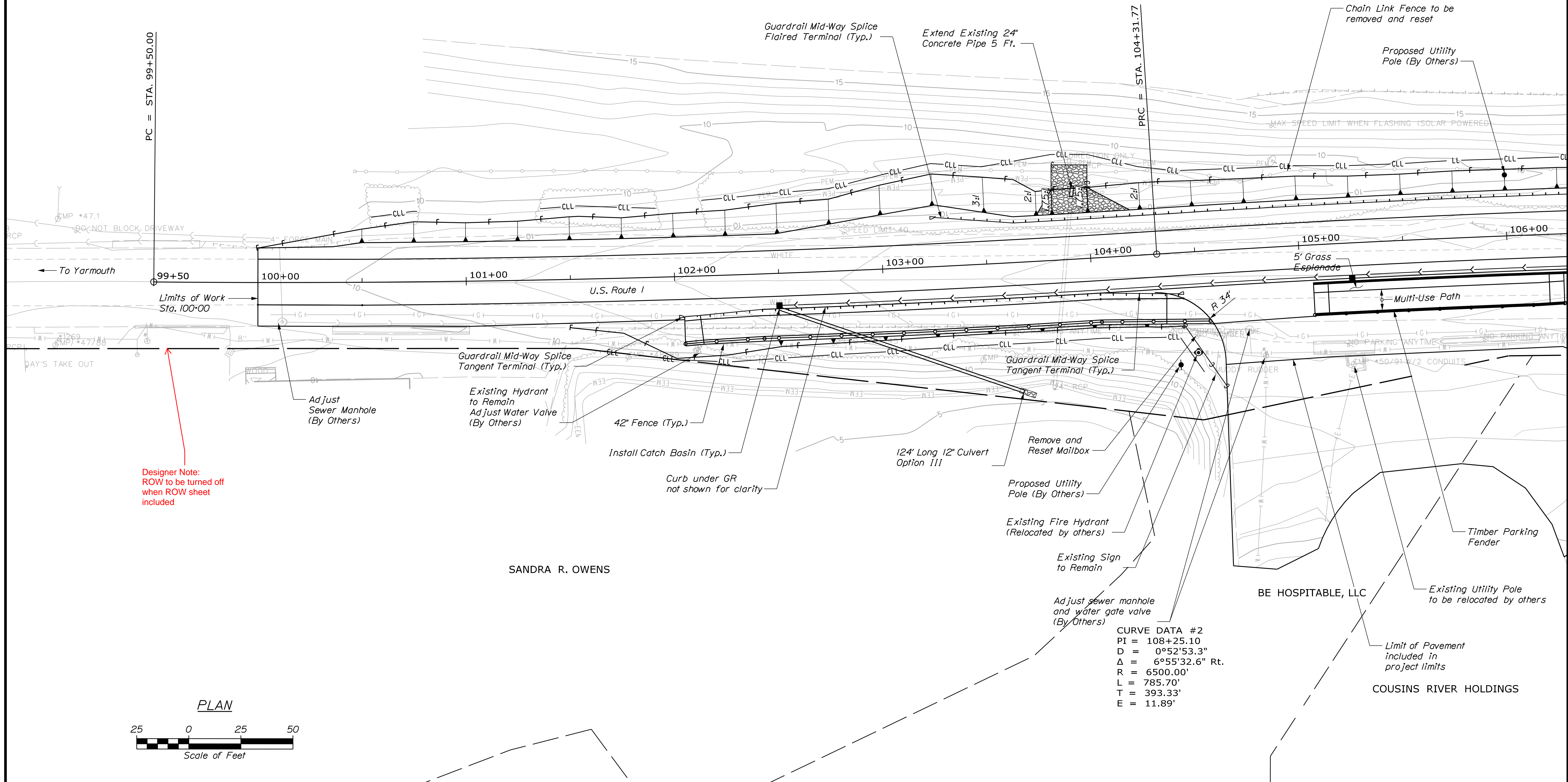
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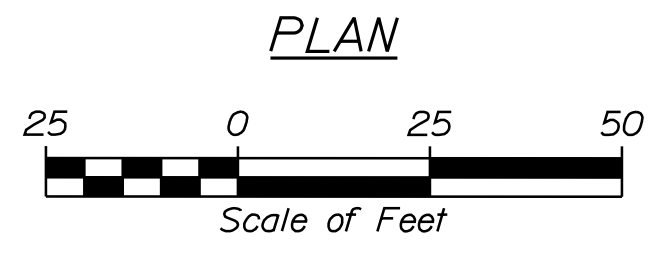


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 Δ = 4°14'48.0" Lt.
 R = 6500.00'
 L = 481.77'
 T = 240.99'
 E = 4.47'

STATE OF MAINE
 2235/251



Designer Note:
 ROW to be turned off
 when ROW sheet
 included



CURVE DATA #2
 PI = 108+25.10
 D = 0°52'53.3"
 Δ = 6°55'32.6" Rt.
 R = 6500.00'
 L = 785.70'
 T = 393.33'
 E = 11.89'

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 STP-2172(500)
 WIN
 21725.00
 BRIDGE NO. 2183
 BRIDGE PLANS

DATE	BY	SIGNATURE
June 2023	P. Dufin	

DATE	BY	SIGNATURE
June 2023	P. Dufin	

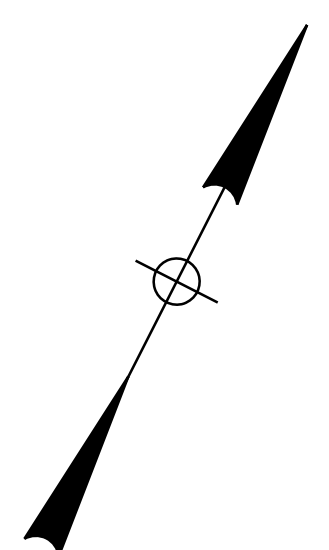
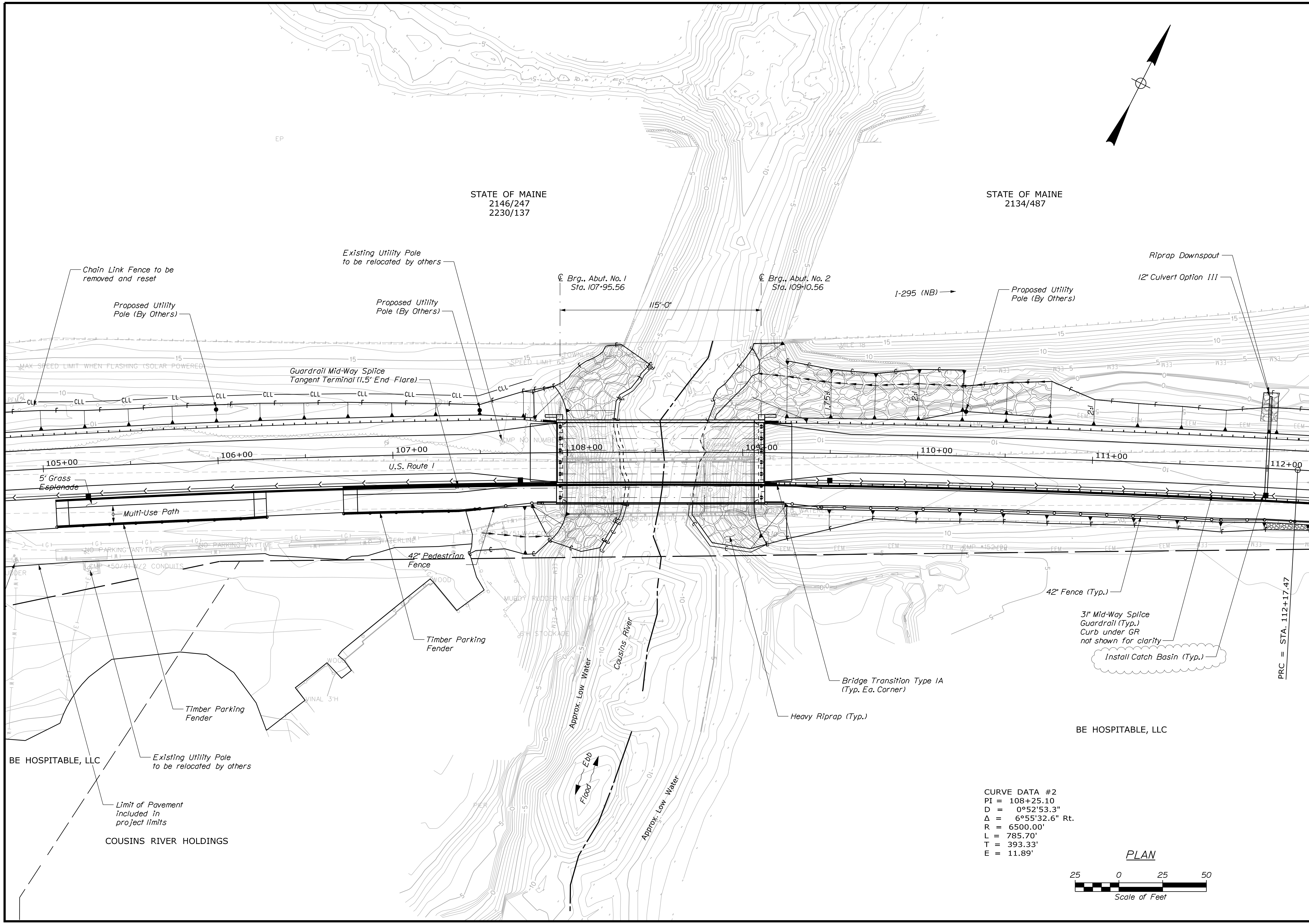
COUSINS RIVER BRIDGE
 COUSINS RIVER
 YARMOUTH-FREEPORT CUMBERLAND CNTY.
 GENERAL PLAN
 (1 OF 3)

SHEET NUMBER
 4
 OF 64

Date: 7/14/2023

Username:

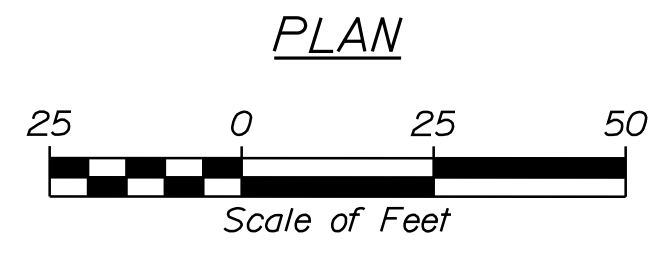
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STATE OF MAINE
2134/487

STATE OF MAINE
2146/247
2230/137

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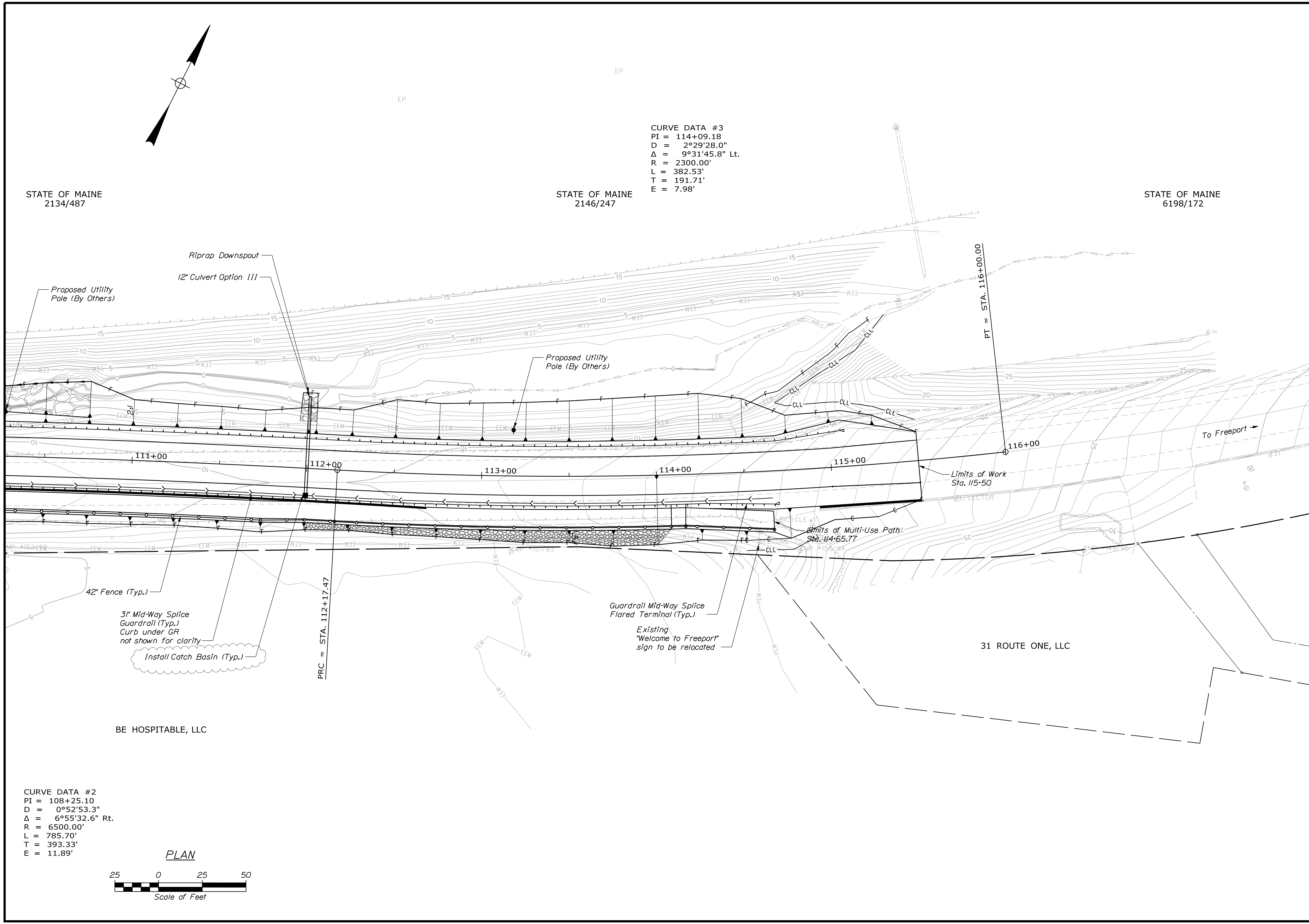


STATE OF MAINE DEPARTMENT OF TRANSPORTATION STP-2172(500)		BRIDGE NO. 2183 WIN 21725.00 BRIDGE PLANS	
PROJ. MANAGER A. Lettre	BY P. Dufin	DATE June 2023	SIGNATURE
CHECKED-REVIEWED S. James	DESIGNED-DETAILED S. James	DESIGNED-DETAILED S. James	P.E. NUMBER
REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4
FIELD CHANGES			DATE
COUSINS RIVER BRIDGE COUSINS RIVER YARMOUTH-FREEPORT CUMBERLAND CNTY.		GENERAL PLAN (2 OF 3)	
SHEET NUMBER		5	
		OF 64	

Date: 7/14/2023

Username:

Filename: ... \00\BRIDGE\MSTA\006_BDPlans3.dgn Division: BRIDGE



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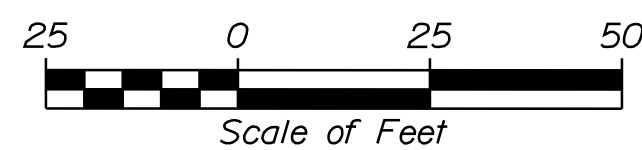
STATE OF MAINE
2134/487

STATE OF MAINE
2146/247

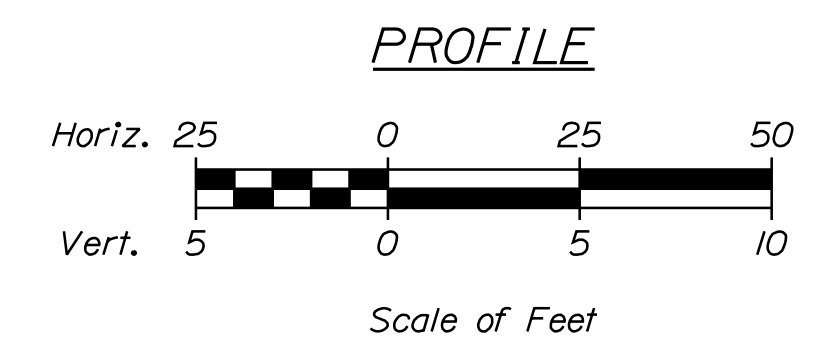
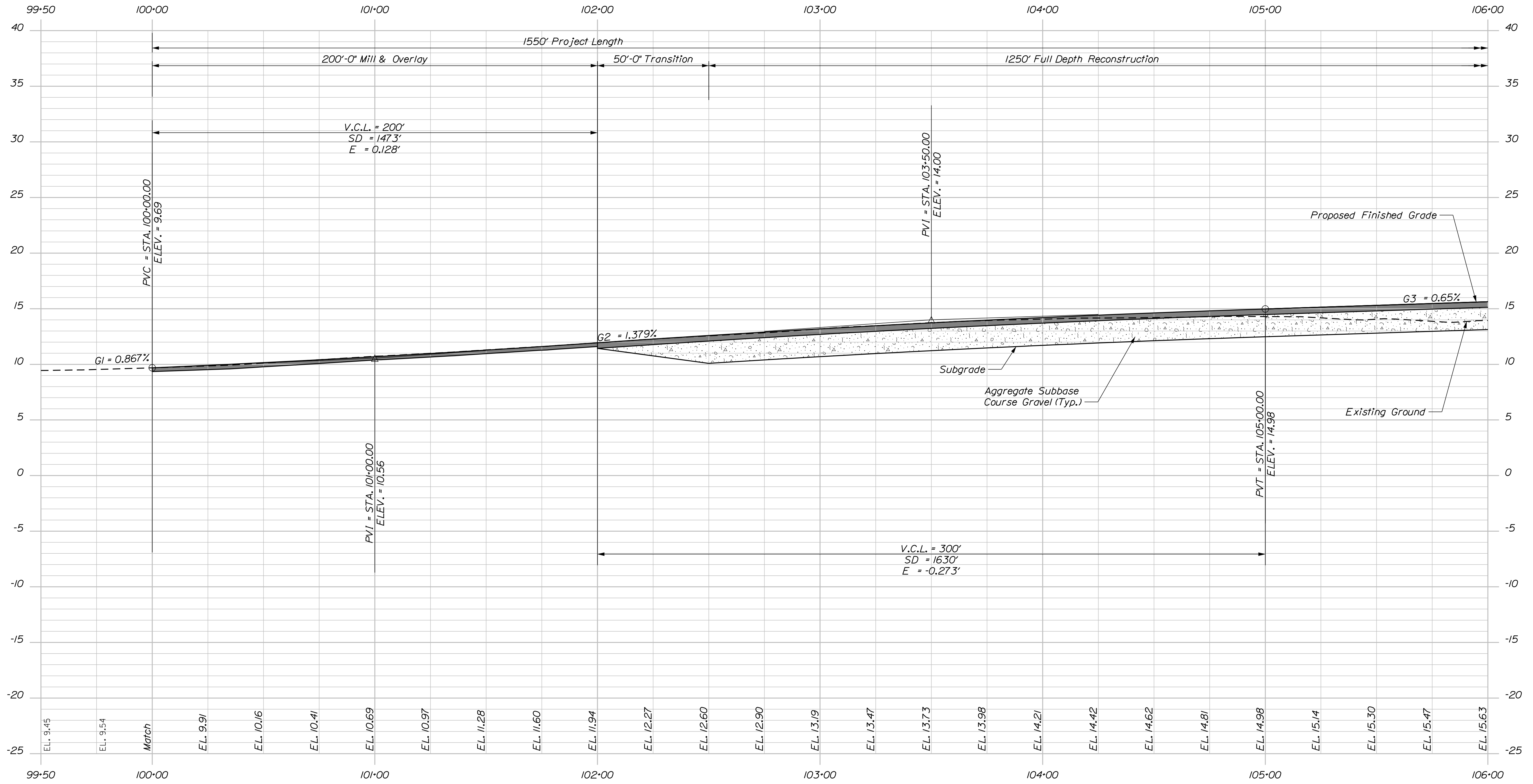
STATE OF MAINE
6198/172

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 E = 11.89'

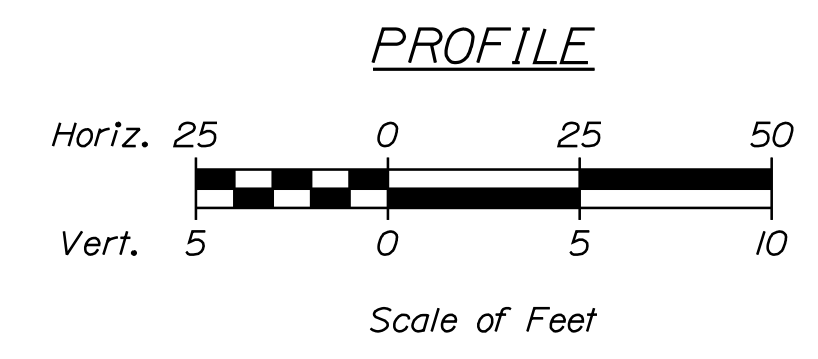
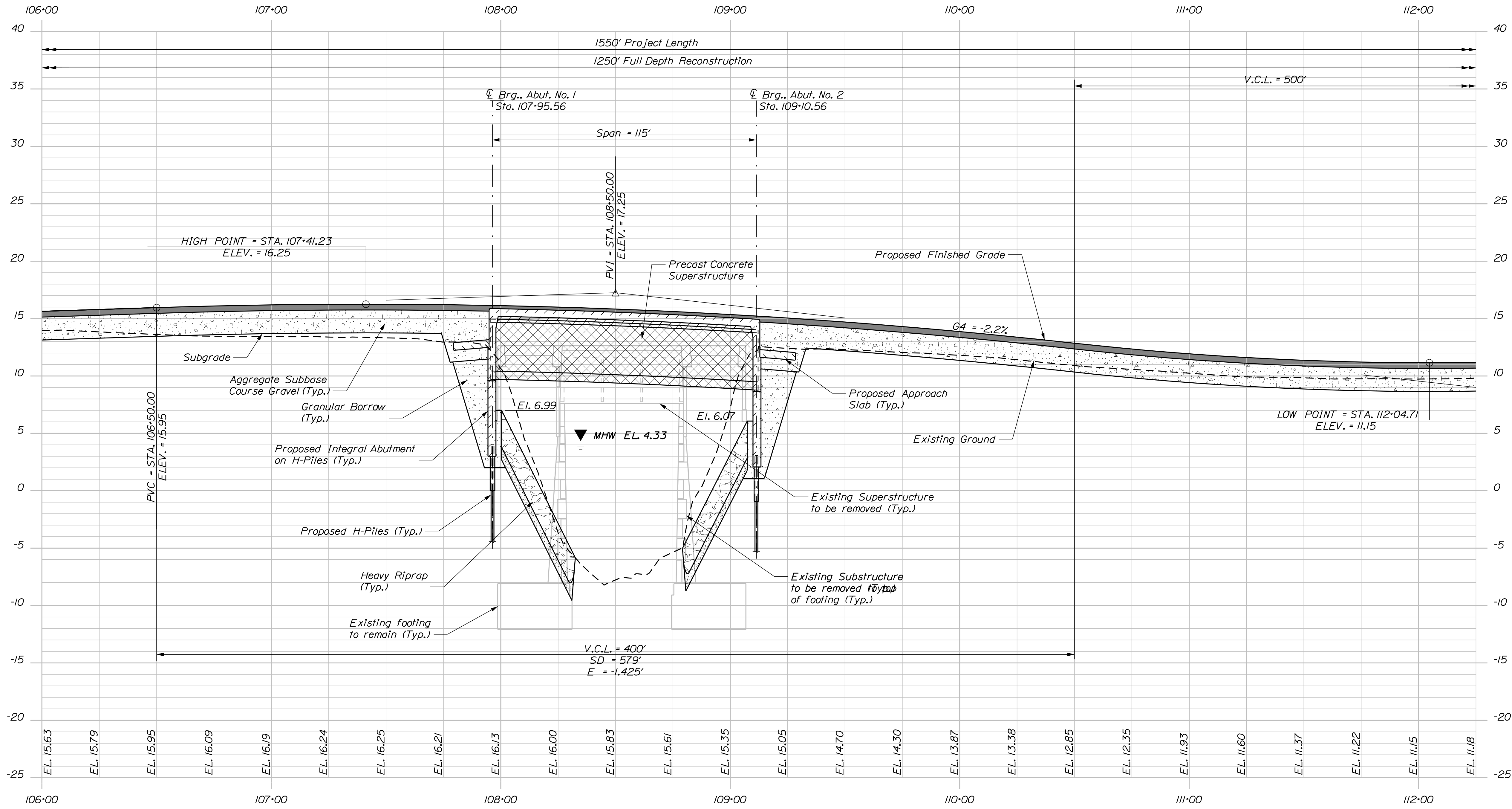
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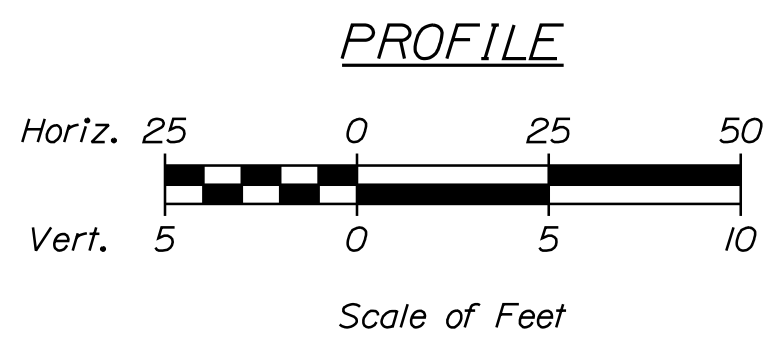
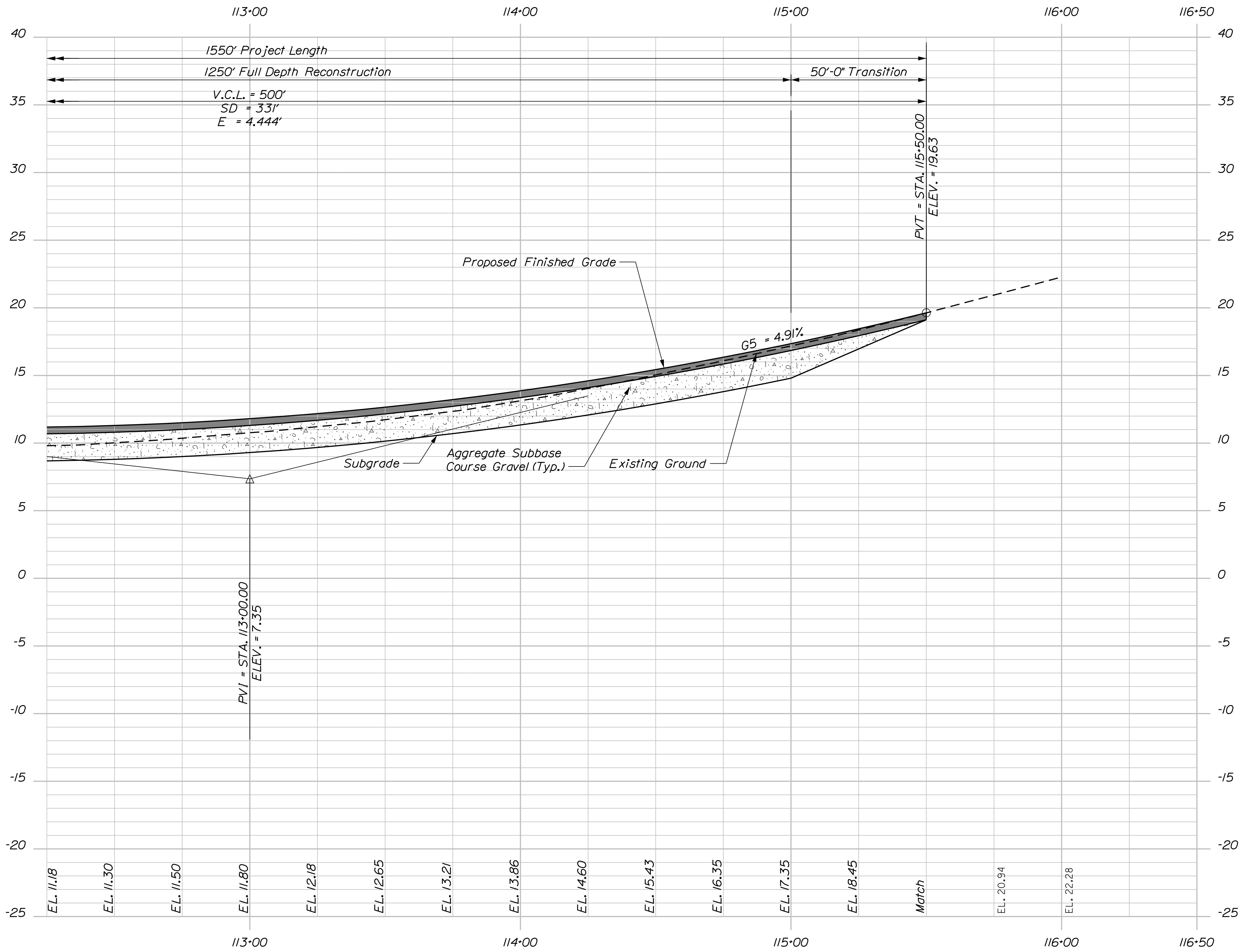
STATE OF MAINE DEPARTMENT OF TRANSPORTATION STP-2172(500)		BRIDGE NO. 2183	WIN	21725.00	BRIDGE PLANS
PROJ. MANAGER	A. Lethe	BY	P. Duffin	DATE	June 2023
CHECKED-REVIEWED	S. James	SIGNATURE			
DESIGN-DETAILED		P.E. NUMBER			
REVISIONS 1		DATE			
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					
COUSINS RIVER BRIDGE COUSINS RIVER YARMOUTH-FREEPORT CUMBERLAND CNTY. GENERAL PLAN (3 OF 3)					
SHEET NUMBER					
6					
OF 64					



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		STP-2172(500)	
COUSINS RIVER BRIDGE COUSINS RIVER YARMOUTH-FREEPORT CUMBERLAND CNTY.		BRIDGE NO. 2183 WIN 21725.00	
PROFILE (1 OF 3)		BRIDGE PLANS	
SHEET NUMBER		DATE	
7		June 2023	
BY A. Lotte		SIGNATURE	
P. James		P.E. NUMBER	
DESIGN DETAILED		DATE	
CHECKED-REVIEWED		FIELD CHANGES	
DESIGN DETAILED		REVISIONS 1	
REVISIONS 1		REVISIONS 2	
REVISIONS 2		REVISIONS 3	
REVISIONS 3		REVISIONS 4	
REVISIONS 4		FIELD CHANGES	



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		STP-2172(500)	
COUSINS RIVER BRIDGE COUSINS RIVER YARMOUTH-FREEPORT CUMBERLAND CNTY.		PROFILE (2 OF 3)	
SHEET NUMBER		BRIDGE NO. 2183 WIN 21725.00 BRIDGE PLANS	
8		OF 64	
PROJ. MANAGER	A. Lett	BY	P. Duffin
DESIGN-DETAILED	S. James	CHECKED-REVIEWED	June 2023
DESIGN-DETAILED		DESIGN-DETAILED	
REVISIONS 1		REVISIONS 1	
REVISIONS 2		REVISIONS 2	
REVISIONS 3		REVISIONS 3	
REVISIONS 4		REVISIONS 4	
FIELD CHANGES		DATE	
		SIGNATURE	
		P.E. NUMBER	



SHEET NUMBER

9

OF 64

COUSINS RIVER BRIDGE
 COUSINS RIVER
 YARMOUTH-FREEPORT CUMBERLAND CNTY.
**PROFILE
 (3 OF 3)**

PROJ. MANAGER	BY	DATE
A. Lette	P. Duffin	June 2023
CHECKED-REVIEWED	S. James	
DESIGNS-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE	P.E. NUMBER	DATE

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
STP-2172(500)
 BRIDGE NO. 2183
 WIN
 21725.00
 BRIDGE PLANS