



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, NEW ENGLAND DISTRICT
MAINE PROJECT OFFICE
442 CIVIC CENTER DRIVE
AUGUSTA MAINE 04330

April 26, 2024

Regulatory Division
Maine Section
NAE-2024-00266

Mr. Kevin Sutherland
Town of Newcastle
P.O. Box 386
Newcastle, Maine 04553
Via Email: townmanager@newcastlemaine.us

Dear Mr. Sutherland:

This letter is in response to the application you submitted to the New England District for a Department of the Army general permit verification. This project has been assigned the file number NAE-2024-00266. This file number should be referenced in all correspondence with this office.

A review of the information provided indicates the proposed work includes the placement and maintenance of about 4,078 sq. ft. of fill below the high tide line of Dyer Brook and adjacent wetlands in conjunction with the replacement of a 14-foot span, 10-foot-high structure with a 50-foot span bridge located off Lynch Road in Newcastle, Maine. The work is shown on the enclosed plans titled "Lynch Road Bridge Replacement / Newcastle, ME", & "LYNCH ROAD OVER DYER CREEK NEWCASTLE, LINCOLN COUNTY ME", on 12 sheets, and dated "March 06, 2024", "4/25/2024", & "March 19, 2024".

Based on the information you have provided we verify that the activity is authorized under General Permit 22 of the Federal Permit known as the Maine General Permits (GPs). If the extent of the project area and/or nature of the authorized impacts to waters are modified, a revised application must be submitted to this office for written approval before work is initiated. A copy of these permits can be found at:

<https://www.nae.usace.army.mil/Missions/Regulatory/State-General-Permits/>

Any deviation from the terms and conditions of the permit, or your submitted plans, may subject the permittee to the enforcement provisions of our regulations. Therefore, in the event changes to this project are contemplated, it is recommended you coordinate with this office prior to proceeding with the work. This office must approve any changes before you undertake them. You must perform this work in compliance with the terms and conditions of the GPs listed above, and also in compliance with the following special condition:

Project Specific Special Condition:

Work below the high tide line shall be completed between November 8th to April 9th to protect against listed species (i.e. Atlantic Salmon).

The permittee shall complete and return the enclosed Work-Start Notification Form to this office at least two weeks prior to the anticipated construction start date. The permittee shall complete and return the enclosed Completion Certification Form to this office at least one month following the completion of the authorized work.

This verification is valid until October 14, 2025. You must commence or be under contract to commence the work authorized herein by October 14, 2025 and complete the work by October 14, 2026. If not, you must contact this office to determine the need for further authorization before beginning or continuing the activity. It is recommended that you contact this office before this authorization expires to discuss if permit reissuance is a possibility.

This general permit verification and any associated authorizations does not preclude the necessity to obtain any other Federal, State, or local permits, licenses, and/or certifications, which may be required.

If you have any questions related to this verification or have issues accessing documents referenced in this letter, please contact Amanda Sayles, Project Manager at (978) 318-8486, or by email at Amanda.L.Sayles@usace.army.mil. This agency continually strives to improve our customer service. In order to better serve you, please complete the Customer Service Survey located at: <https://regulatory.ops.usace.army.mil/customer-service-survey/>.

Sincerely,

Amanda Sayles

For: Peter D. Olmstead
Chief, Maine Section
Regulatory Division

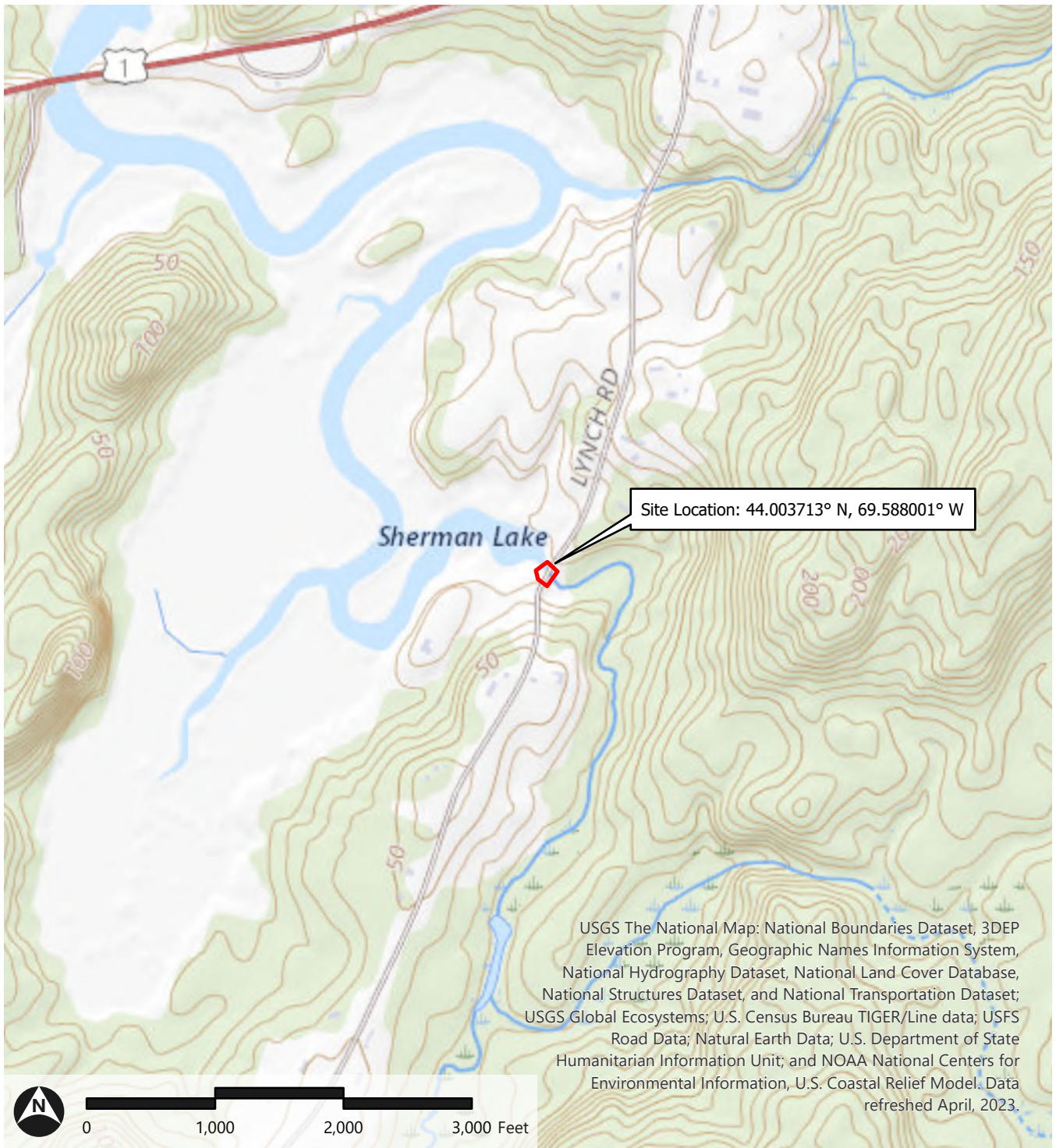
Enclosures
Maine General Permits 2020-2025

Cc (w/enclosures):
Mr. Sean Hale, VHB, shale@vhb.com
Mr. Carl Ayers, VBH, cayers@vhb.com

Figure 1: USGS Site Location Map

Lynch Road Bridge Replacement | Newcastle, ME

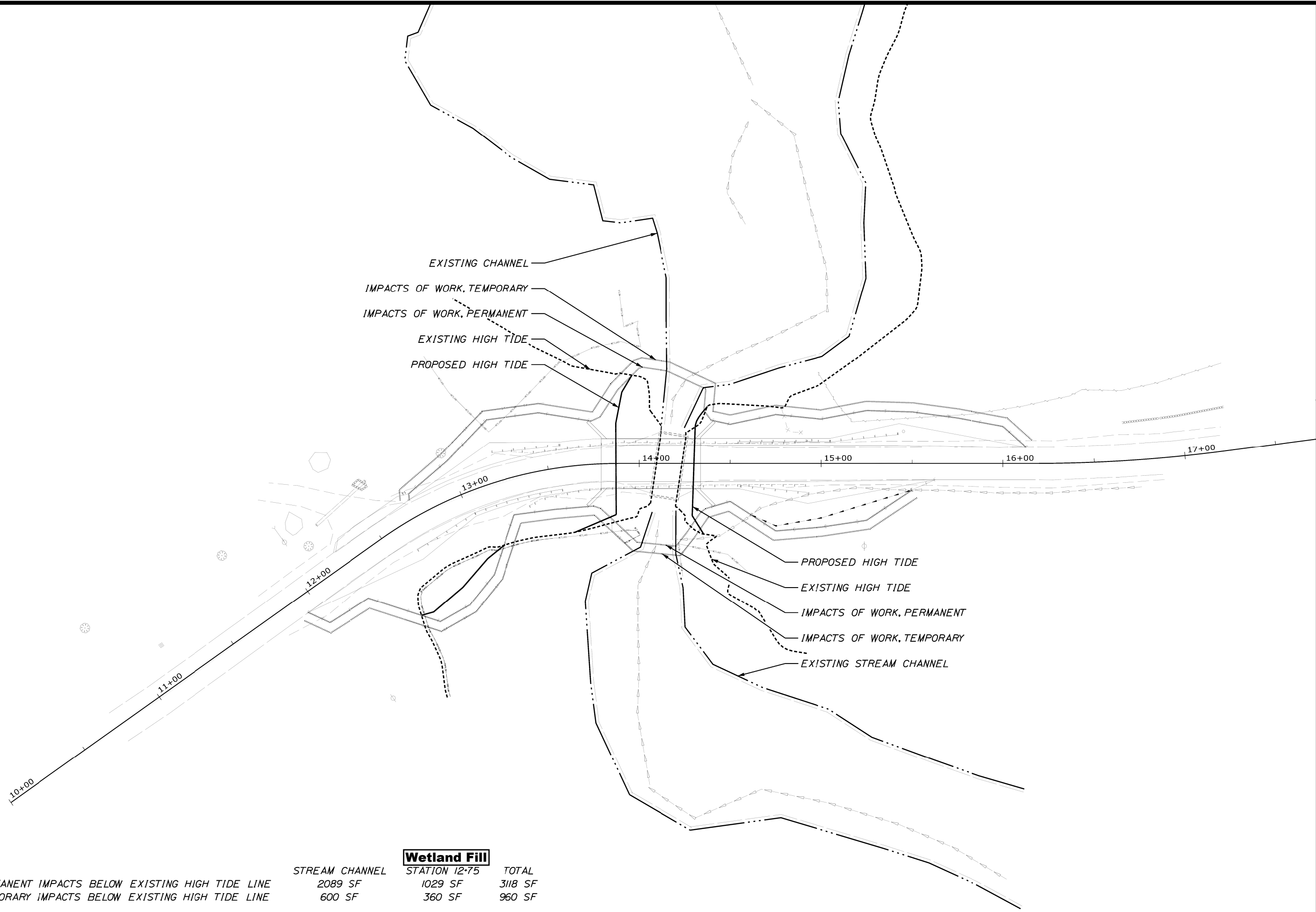
March 06, 2024 



Path: \\vhb.com\gis\proj\SPortland\55718.01 Lynch Road_Newcastle\Project\Lynch Rd Newcastle Bridge\Lynch Rd Newcastle Bridge.aprx (mhferman, 3/6/2024)



157 CAPITAL STREET,
SUITE 2
AUGUSTA, MAINE 04330
PHONE: 207-889-3160



	STREAM CHANNEL	Wetland Fill STATION 12-75	TOTAL
PERMANENT IMPACTS BELOW EXISTING HIGH TIDE LINE	2089 SF	1029 SF	3118 SF
TEMPORARY IMPACTS BELOW EXISTING HIGH TIDE LINE	600 SF	360 SF	960 SF
PERMANENT IMPACTS BELOW PROPOSED HIGH TIDE LINE	3926 SF	424 SF	4350 SF
TEMPORARY IMPACTS BELOW PROPOSED HIGH TIDE LINE	631 SF	360 SF	991 SF

PROJ. MANAGER	DATE	REV.	DESCRIPTION
DESIGN-DETAILED			
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

LYNCH ROAD OVER
DYER CREEK
NEWCASTLE, LINCOLN COUNTY ME

SHEET NUMBER

1

OF 1

Date: 4/25/2024

TOWN OF NEWCASTLE LINCOLN COUNTY MILL BRIDGE OVER DYER CREEK LYNCH ROAD BRIDGE REPLACEMENT PROJECT LENGTH 0.02 mi. BRIDGE NUMBER. 0618

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 (2023) AADT 210
Design Speed (mph) 35

HYDROLOGIC DATA

Drainage Area 4.7 sq mi
Design Discharge (Q50) 519 cfs
Check Discharge (Q100) 602 cfs
Headwater Elevation (Q1.1) 5.6 ft
Headwater Elevation (Q25) 5.7 ft
Headwater Elevation (Q50) 5.7 ft
Headwater Elevation (Q100) 5.8 ft
Discharge Velocity (Q1.1) 7.9 fps
Discharge Velocity (Q50) 12.2 fps
Discharge Velocity (Q100) 13.0 fps
Mean Lower Low Water (MLLW) -3.63 ft
Mean Low Water (MLW) -3.58 ft
Mean Tide Level (MTL) 0.76 ft
Mean High Water (MHW) 5.15 ft
Mean Higher High Water (MHHW) 5.61 ft
2100 Median Sea Level Rise Estimate +/- 4 ft

MATERIALS

Concrete:
Curbs Class "LP"
Seals Class "S"
All Other Class "A"
Reinforcing:
Plain Reinforcing Steel ASTM A615, Grade 60
Structural Steel:
All Material (except as noted) ASTM A709, Grade 50
(Metalized or Galvanized)
High Strength Bolts ASTM F3125, Grade A325, Type 3

BASIC DESIGN STRESSES

Concrete:
Class "A" f 'c = 4,000 psi
Class "LP" f 'c = 5,000 psi
Class "S" f 'c = 3,000 psi
Reinforcing:
Plain Reinforcing Steel f y = 60,000 psi
Structural Steel:
ASTM A709, Grade 50W F y = 50,000 psi
ASTM F3125, Grade A325 F u = 120,000 psi

UTILITIES

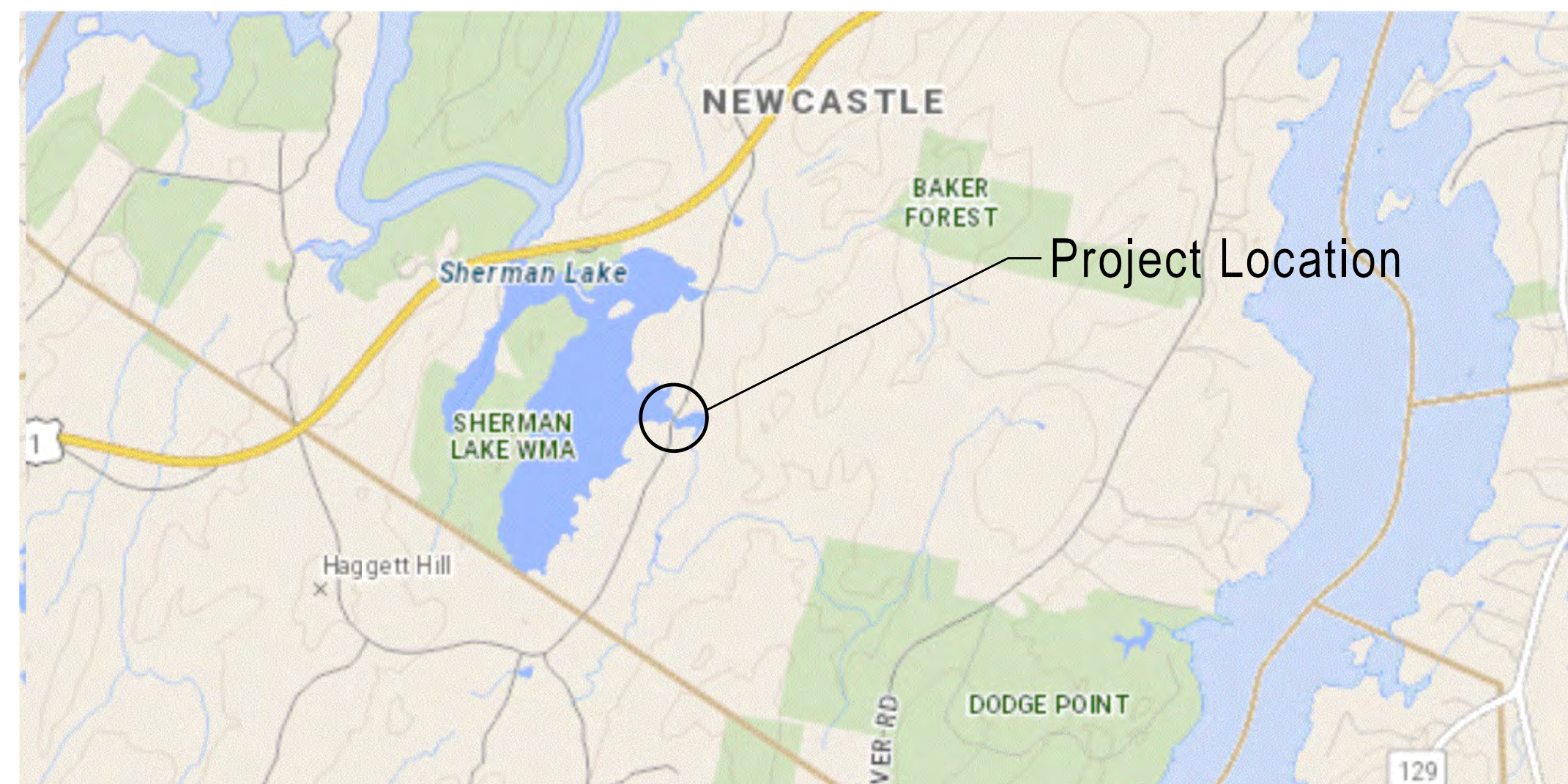
Electric Cable
Telephone Water

MAINTENANCE OF TRAFFIC

Closure of Lynch Road at Mill Bridge for the duration of construction.
Detour utilizing US Route 1 and Dodge Road

LIST OF DRAWINGS

Title Sheet	1
Construction Notes & Quantities	2
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PROJECT INFORMATION	Town Manager	SIGNATURE	
PROJECT MANAGER	C. Ayers	P.E. NUMBER	
DESIGNER	vhb	DATE	
CONSULTANT	vhb		
PROJECT RESIDENT			
CONTRACTOR			
PROJECT COMPLETION DATE			

TOWN OF NEWCASTLE	APPROVED	DATE
	COMMISSIONER:	
	CHIEF ENGINEER:	

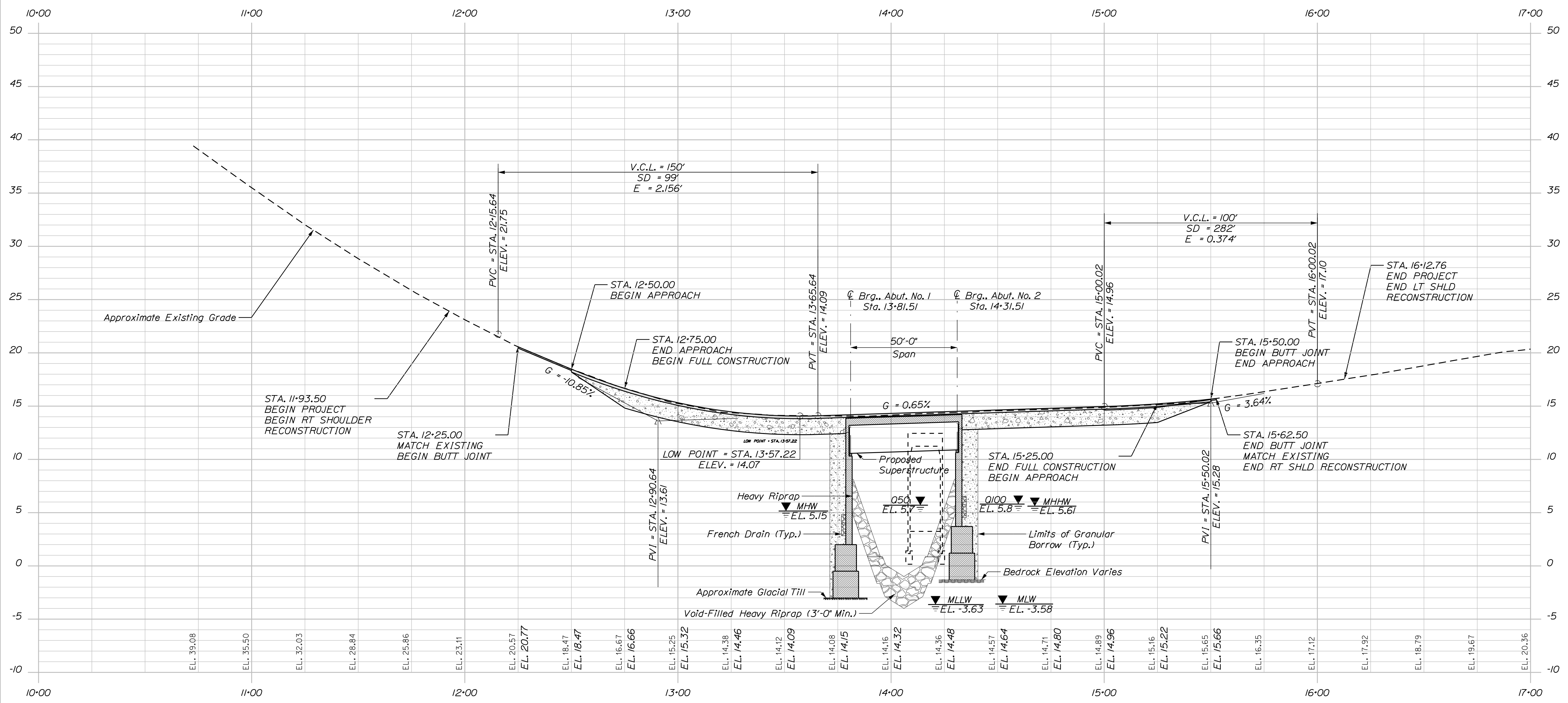
NEWCASTLE MILL BRIDGE	TITLE SHEET
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SHEET NUMBER	1
OF 32	

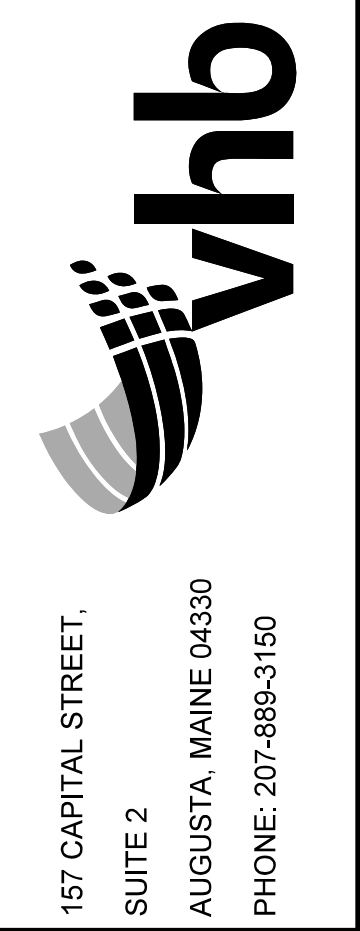
<u>PROJECT LOCATION</u>	Bridge is located 0.9 miles South of US Route 1. Latitude 44°00'13.3" N Longitude 69°35'16.8" W
<u>OUTLINE OF WORK</u>	Bridge replacement and related approach work.



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PROFILE



PROJ. MANAGER	BY	DATE

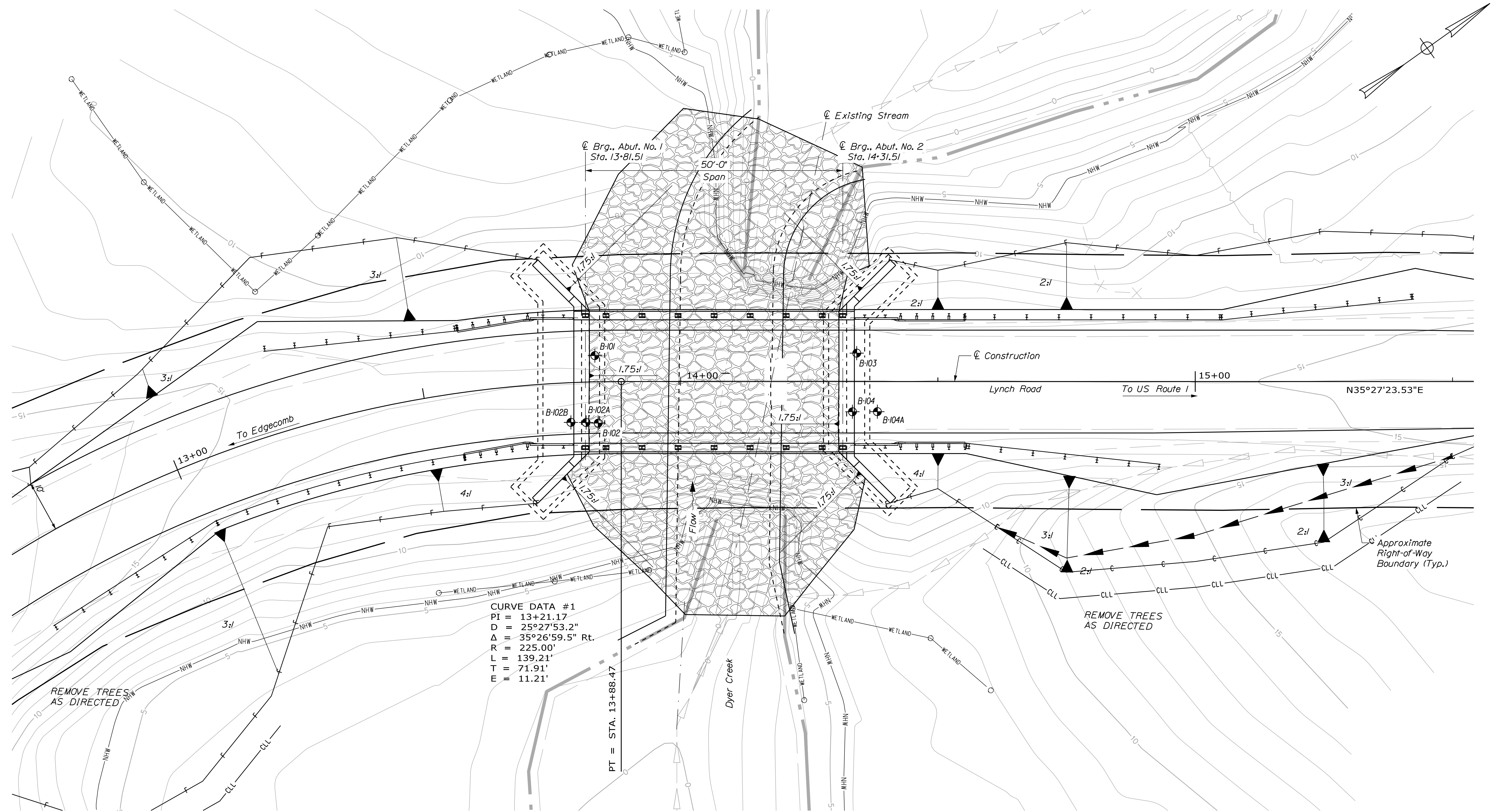
CHECKED-REVIEWED	ELV	SRP

DESIGN-DETAILED	DESIGN-DETAILED2	DESIGN-DETAILED3	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES

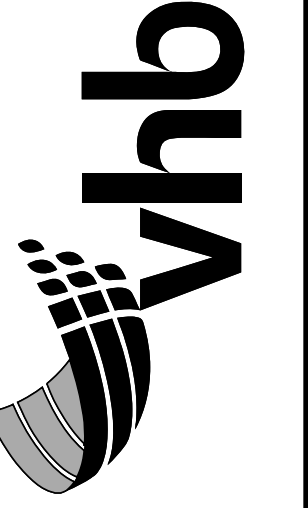
LYNCH ROAD OVER
DYER CREEK
NEWCASTLE, LINCOLN COUNTY ME
PROFILE

SHEET NUMBER
1
OF 1

March 19, 2024



CURVE DATA #1
 PI = 13+21.17
 D = 25°27'53.2"
 Δ = 35°26'59.5" Rt.
 R = 225.00'
 L = 139.21'
 T = 71.91'
 E = 11.21'



157 CAPITAL STREET,
 SUITE 2
 AUGUSTA, MAINE 04330
 PHONE: 207-889-3150

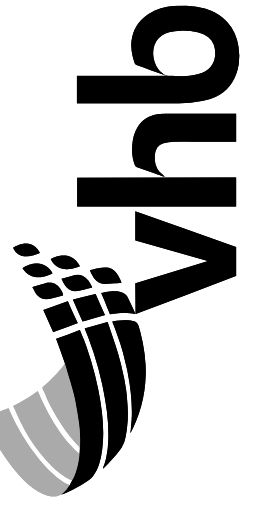
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DESIGN-DETAILED	JAN	
CHECKED-REVIEWED	JAN	
DESIGN-DETAILED2		
DESIGN-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

LYNCH ROAD OVER
 DYER CREEK
 NEWCASTLE, LINCOLN COUNTY ME
 BORING LOCATION PLAN

SHEET NUMBER

5

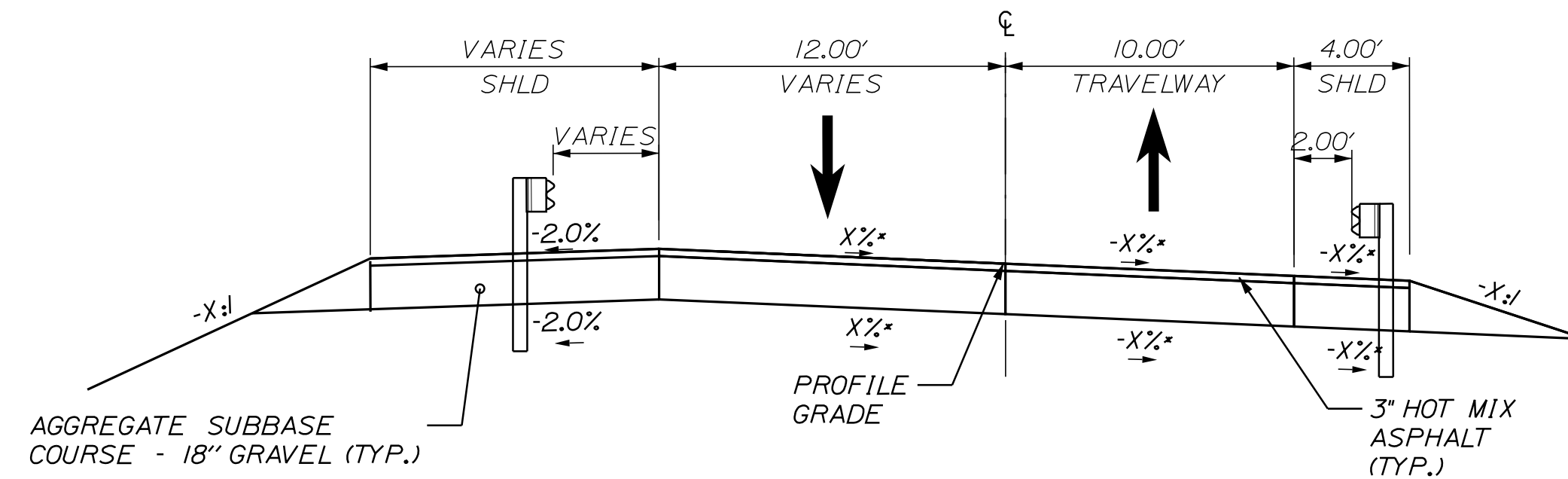
OF 32



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SUITE 2
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PHONE: 207-889-3160

TYPICAL SECTIONS LYNCH ROAD

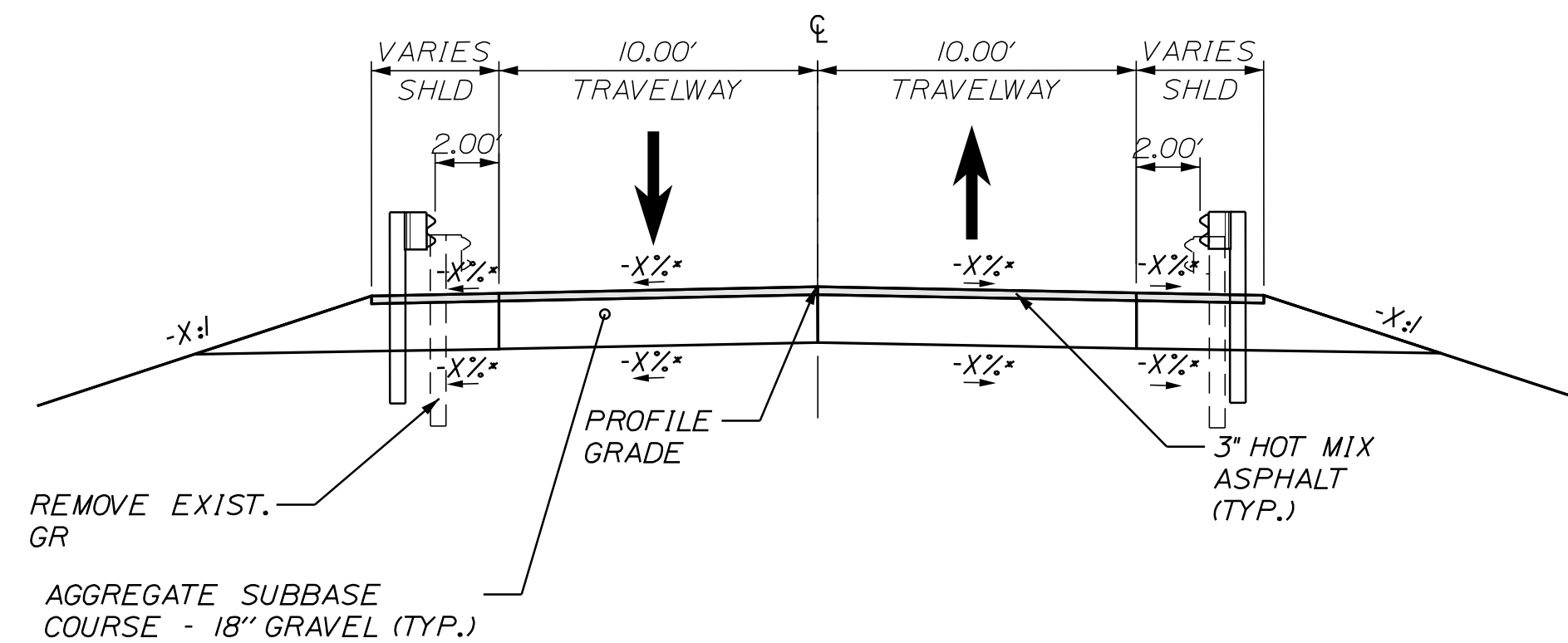
LYNCH ROAD CROSS SLOPE TABLE				
LEFT SHOULDER	LEFT TRAVELWAY	STATION	RIGHT TRAVELWAY	RIGHT SHOULDER
START				
MATCH	MATCH	12+25.00	MATCH	MATCH
NA	3.7%	12+50.00	-3.7%	-3.7%
NA	5.5%	12+75.00	-5.5%	-5.5%
-2.0%	5.5%	13+00.00	-5.5%	-5.5%
-2.0%	4.3%	13+25.00	-4.3%	-4.3%
-2.0%	3.2%	13+50.00	-3.2%	-3.2%
-2.0%	2.0%	13+78.00	-2.0%	-2.0%
BRIDGE				
2.0%	2.0%	14+33.00	-2.0%	-2.0%
1.0%	1.0%	14+50.00	-2.0%	-2.0%
-0.5%	-0.5%	14+75.00	-2.0%	-2.0%
-2.0%	-2.0%	15+00.00	-2.0%	-2.0%
-3.5%	-3.5%	15+25.00	-2.4%	-2.4%
MATCH	MATCH	15+50.00	MATCH	MATCH



SUPERELEVATED
(SOUTH OF BRIDGE ONLY)
NOT TO SCALE

LYNCH ROAD
FULL RECONSTRUCTION
STA. 12+75.00 TO 13+78.00

LYNCH ROAD



NORMAL
NOT TO SCALE

LYNCH ROAD
FULL RECONSTRUCTION
STA. VARIES

** SEE SUPERELEVATION TABLES
FOR CROSS SLOPES

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 OF THE SHOULDER, THE LOW SIDE SHOULDER SHALL HAVE THE SAME SLOPE AS THE TRAVELWAY.
 3. CROWN FOR BOTH THE NORMAL AND SUPERELEVATED SECTIONS FOR ALL COARSE OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
 4. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVELWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.
 5. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.
 6. SEE PLANS FOR SHOULDER, SIDEWALK AND LANE TRANSITION STATIONING.
- * SEE SUPERELEVATION TABLE FOR CROSS SLOPES.

PROJ. MANAGER	DATE
DESIGN-REVIEWED	BY
CHECKED-REVIEWED	SPP
DESIGN-DETAILED	
DESIGN-DETAILED2	
DESIGN-DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

LYNCH ROAD OVER
DYER CREEK
NEWCASTLE, LINCOLN COUNTY ME
TYPICALS

SHEET NUMBER

1

OF 1

March 19, 2024

Date: 3/8/2024

Username: jharris

Division: HIGHWAY

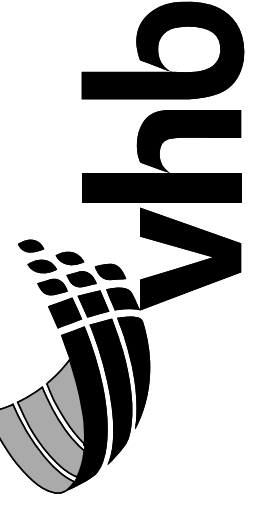
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Date: 3/8/2024

Username: jharris

Division: HIGHWAY

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SUITE 2
AUGUSTA, MAINE 04330
PHONE: 207-889-3160

PROJ. MANAGER	DATE	BY
DESIGN-DETAILED	JAN	
CHECKED-REVIEWED	JAN	
DESIGN-DETAILED2		
DESIGN-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

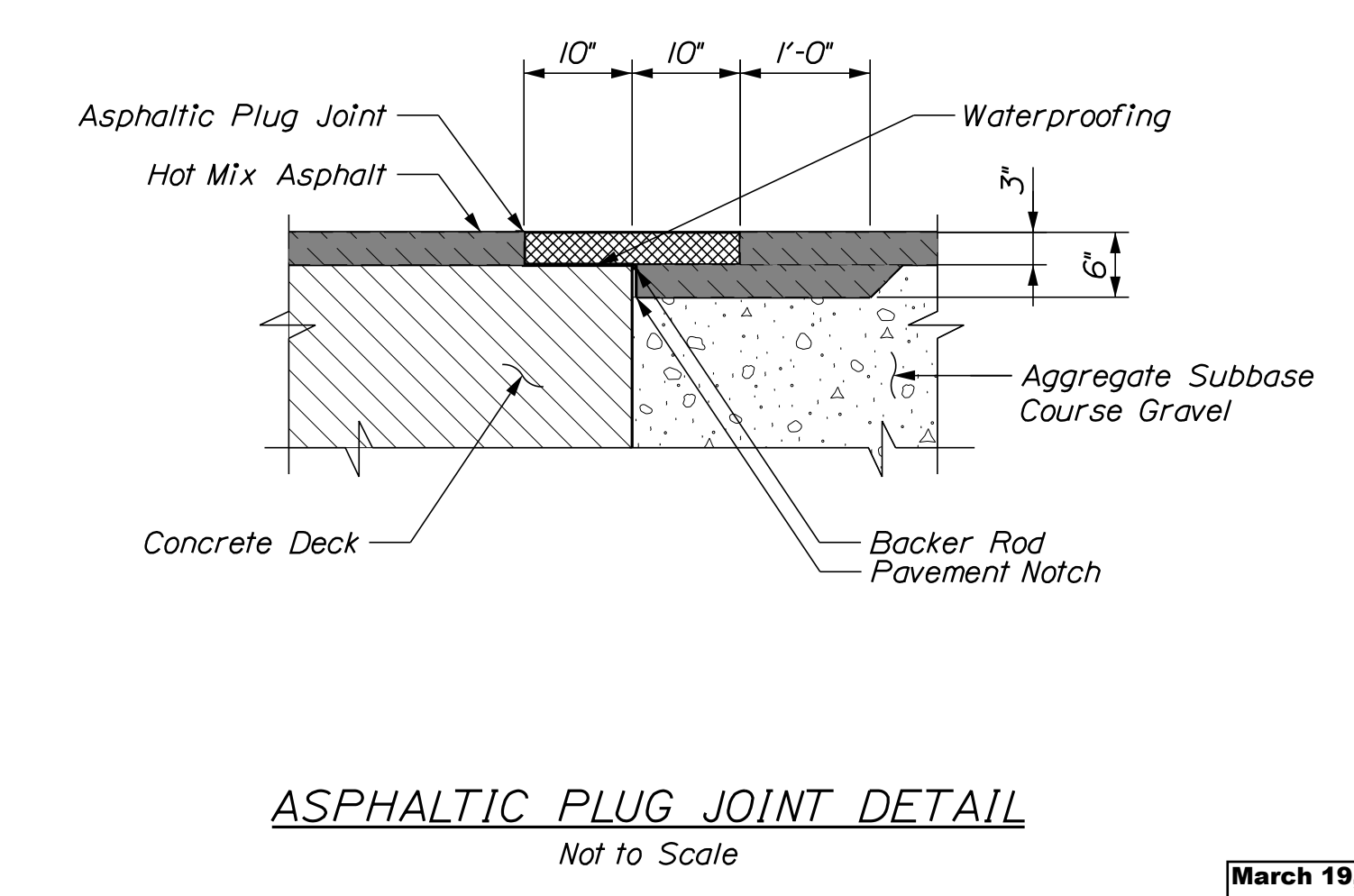
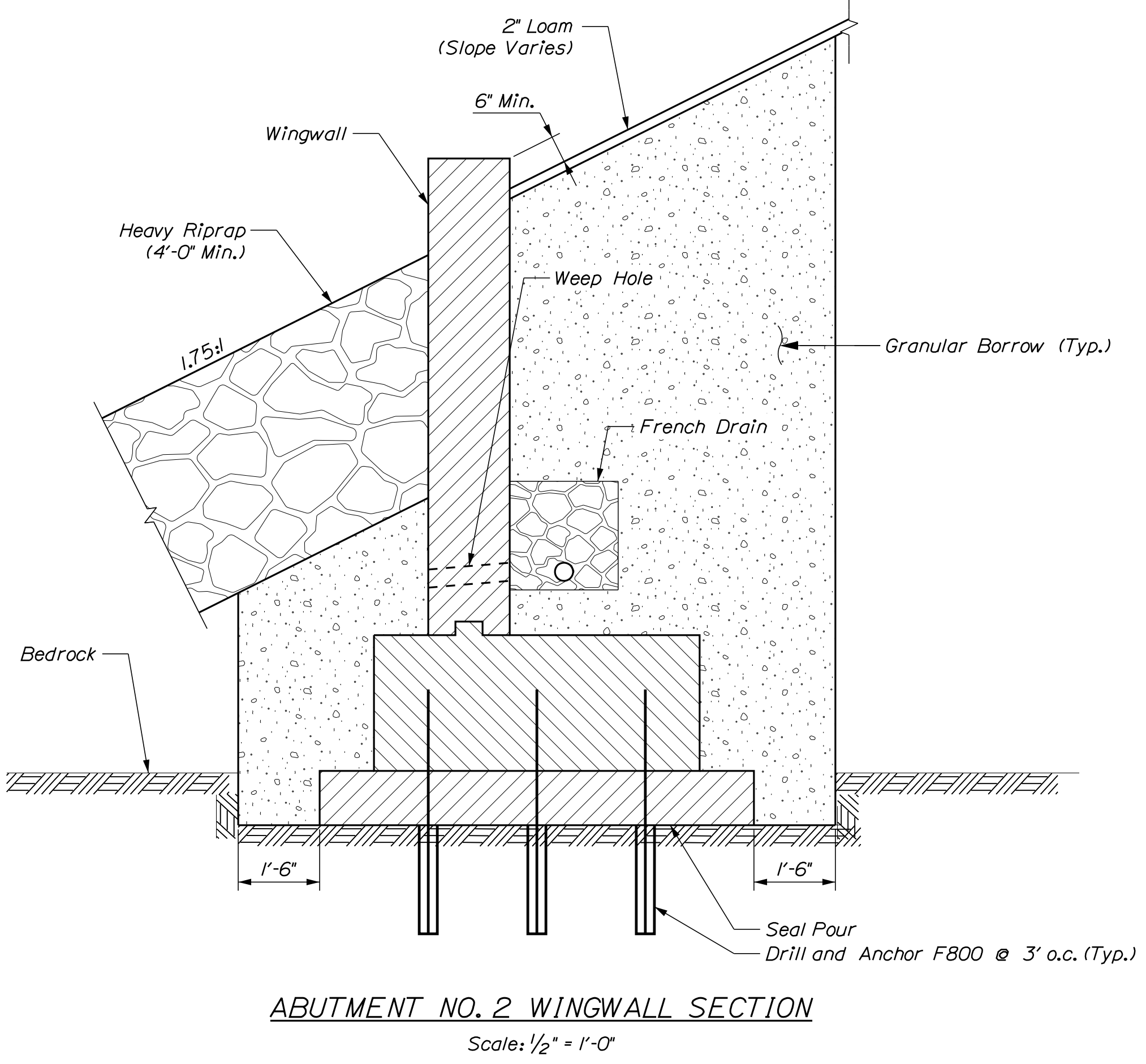
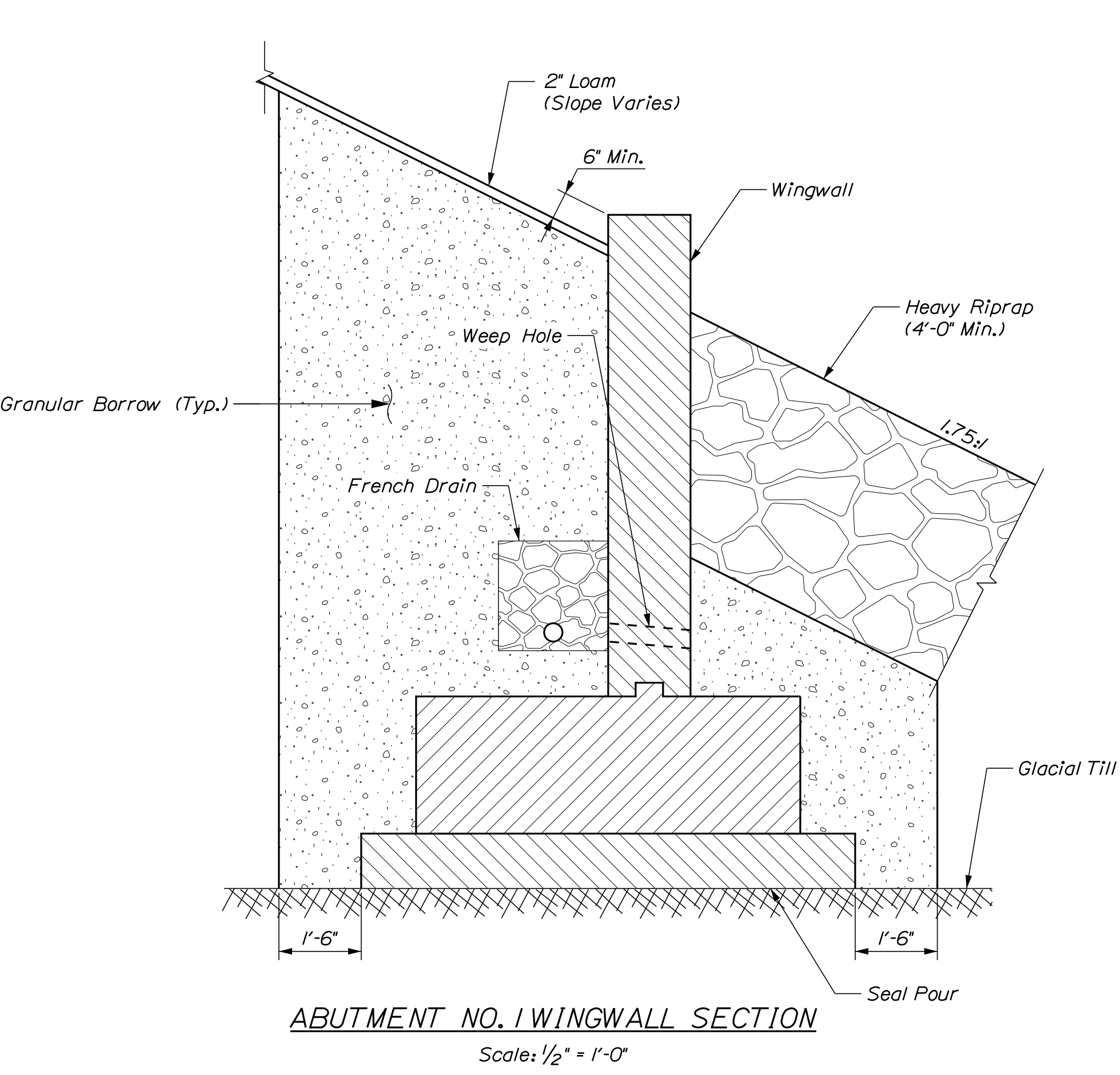
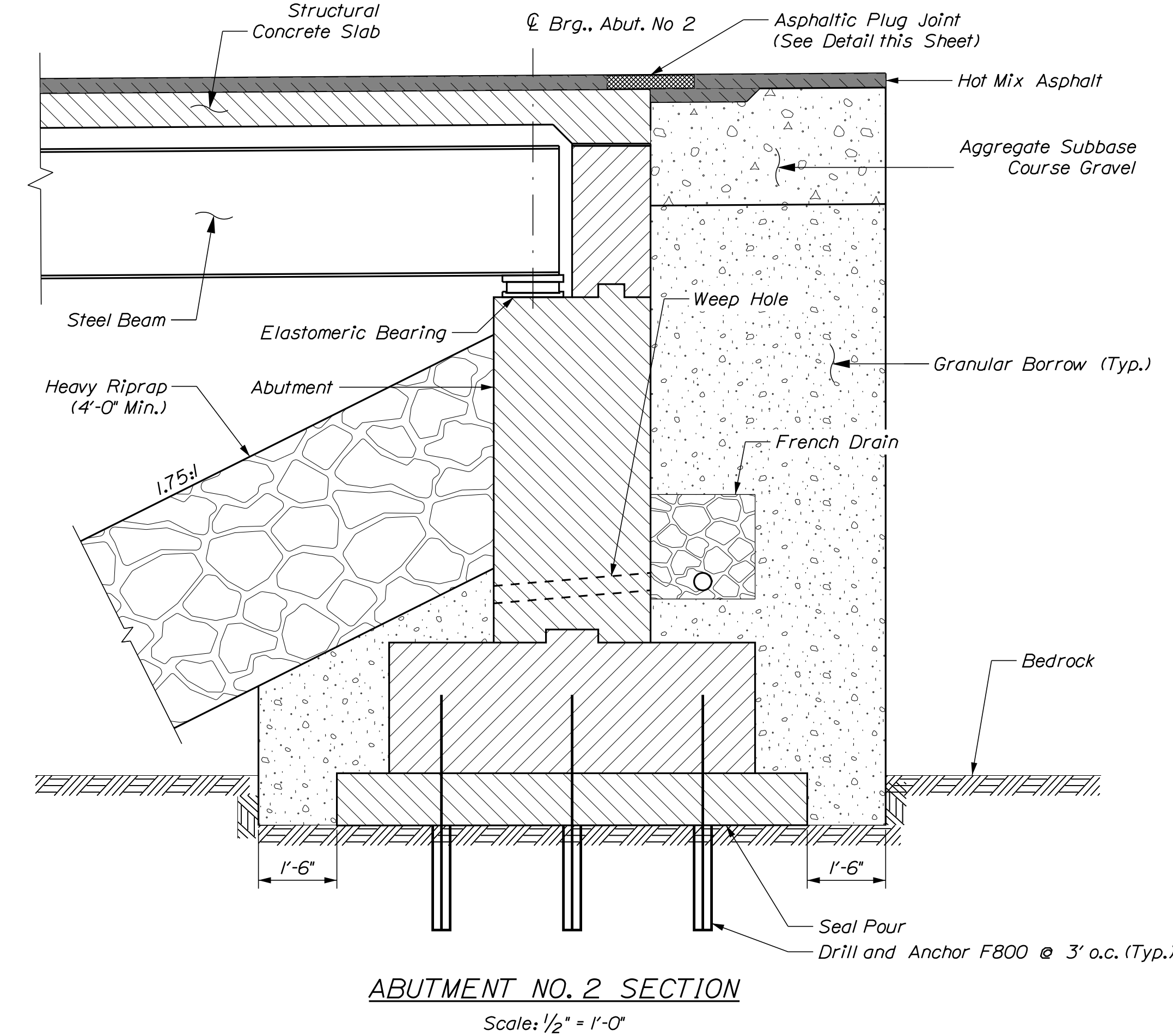
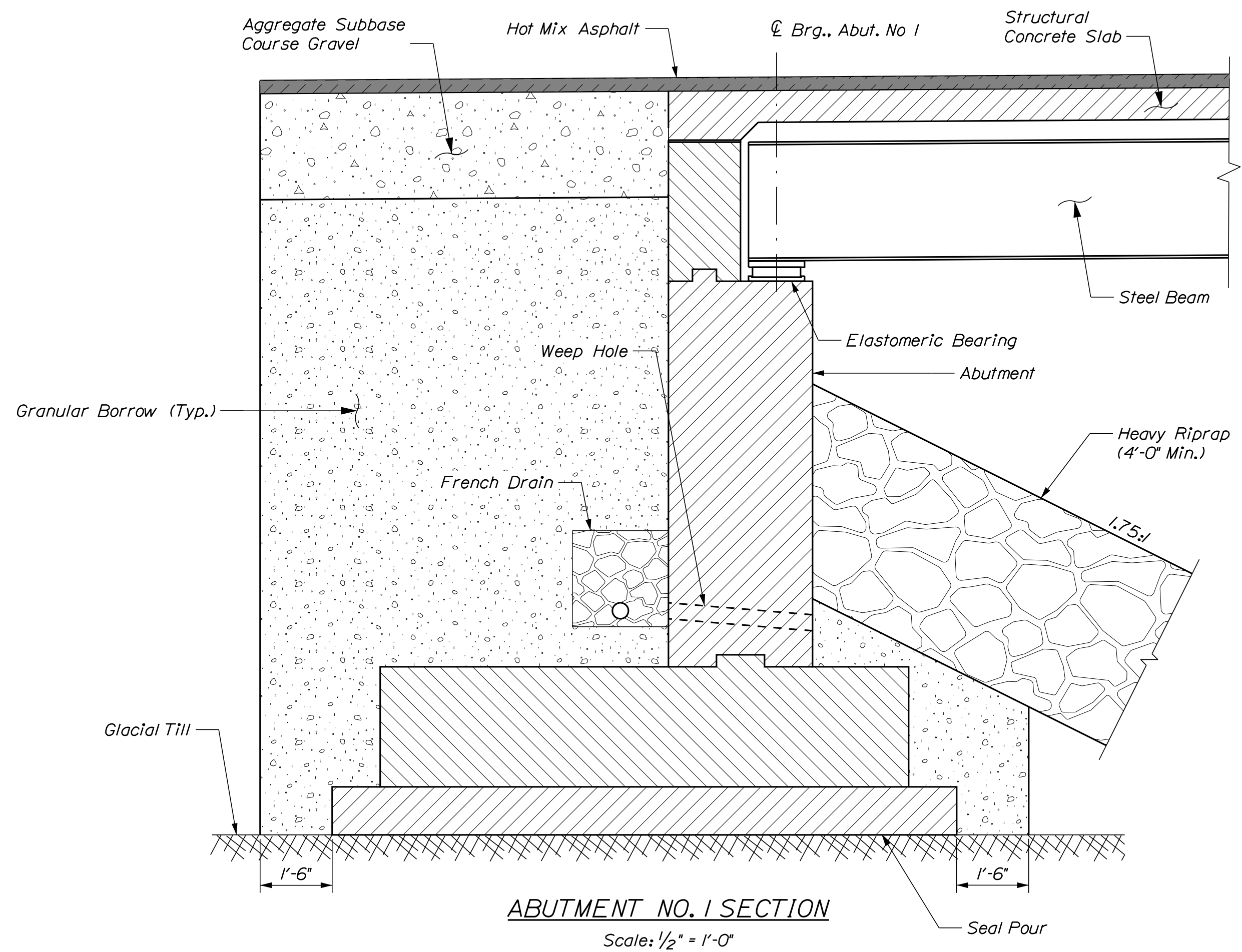
LYNCH ROAD OVER
DYER CREEK
NEWCASTLE, LINCOLN COUNTY ME
ABUTMENT & WINGWALL
DETAILS

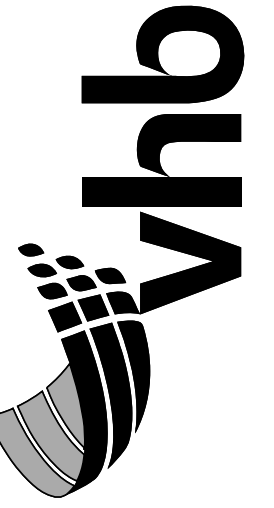
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17

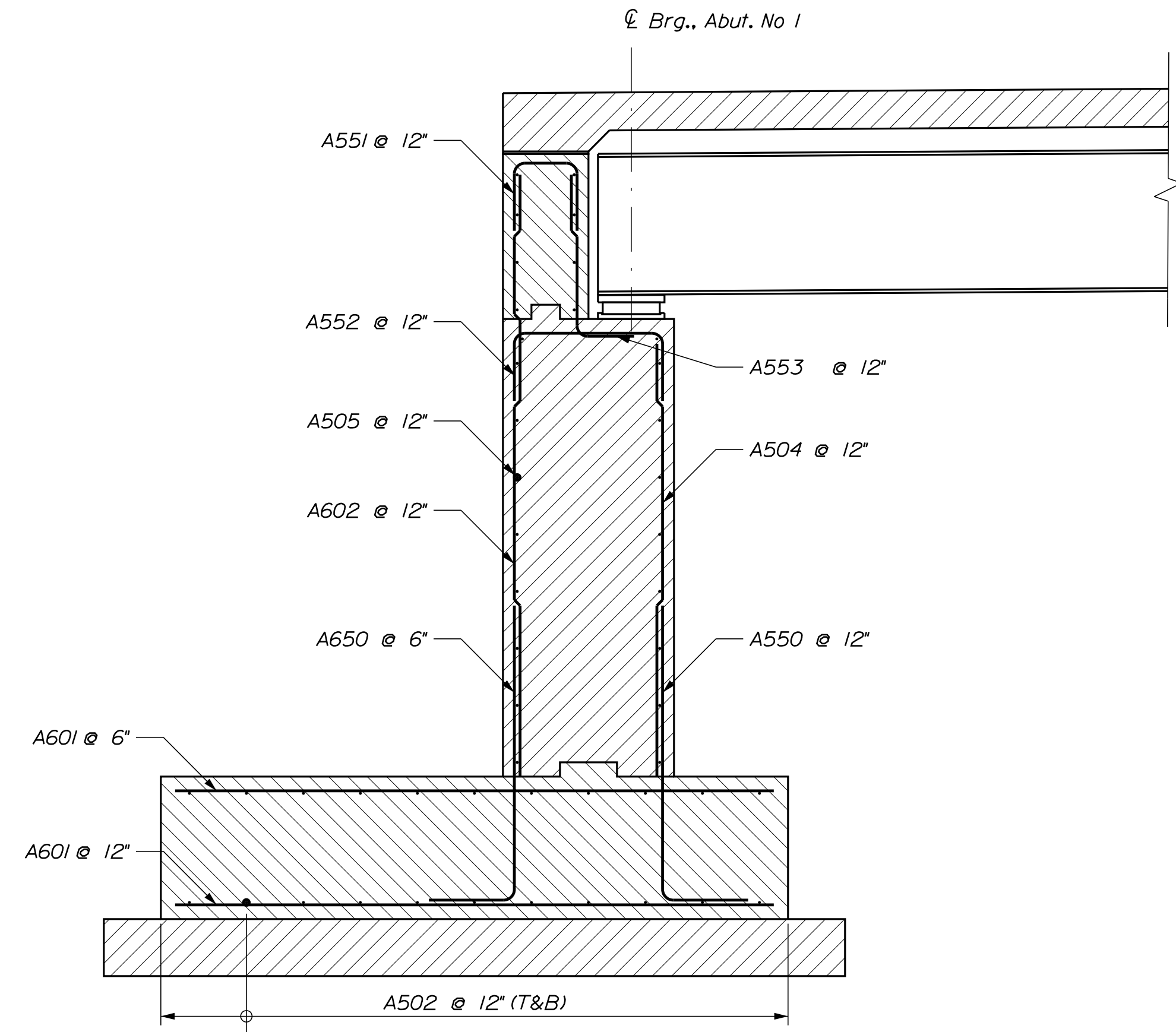
OF 32

March 19, 2024

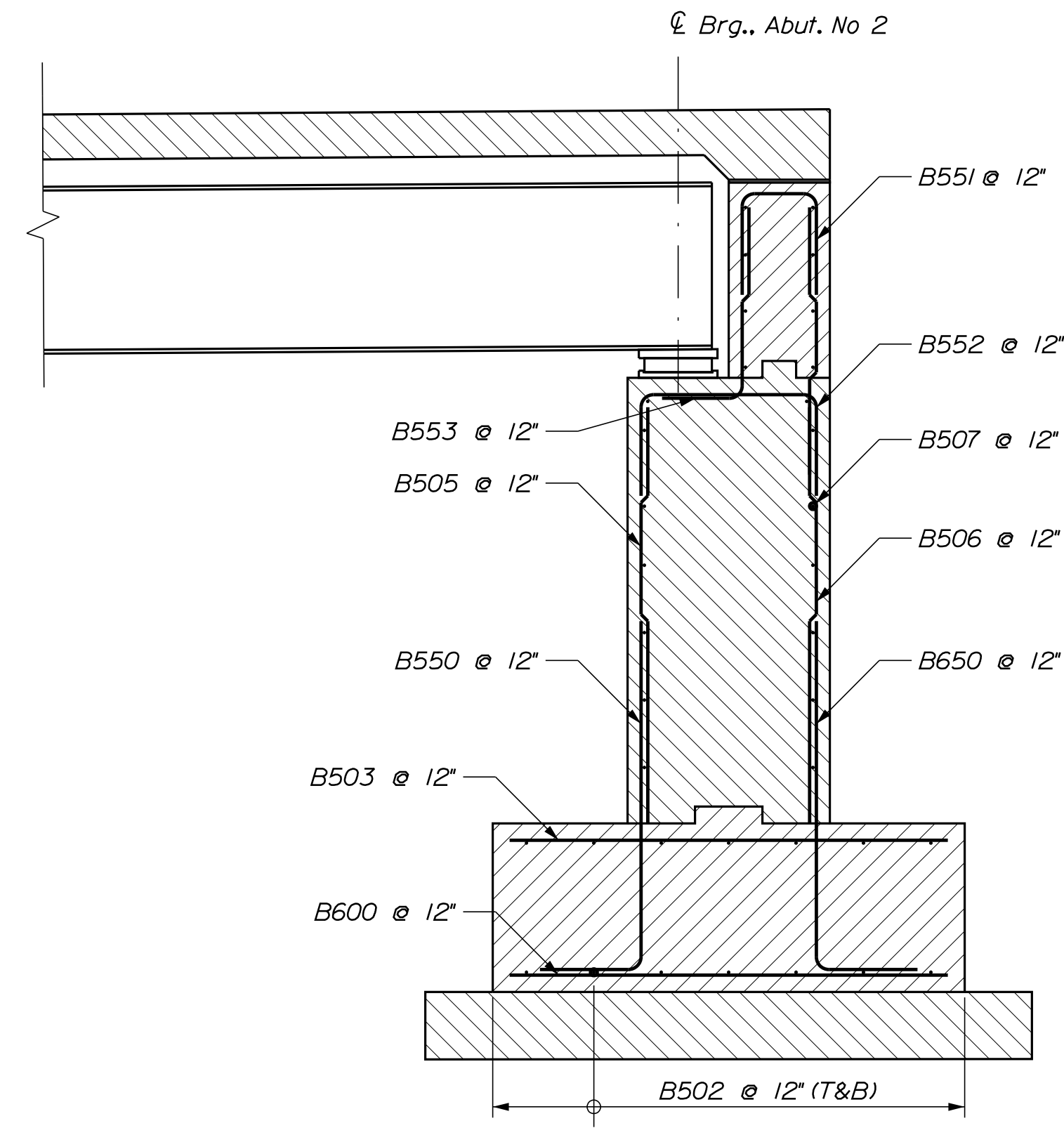




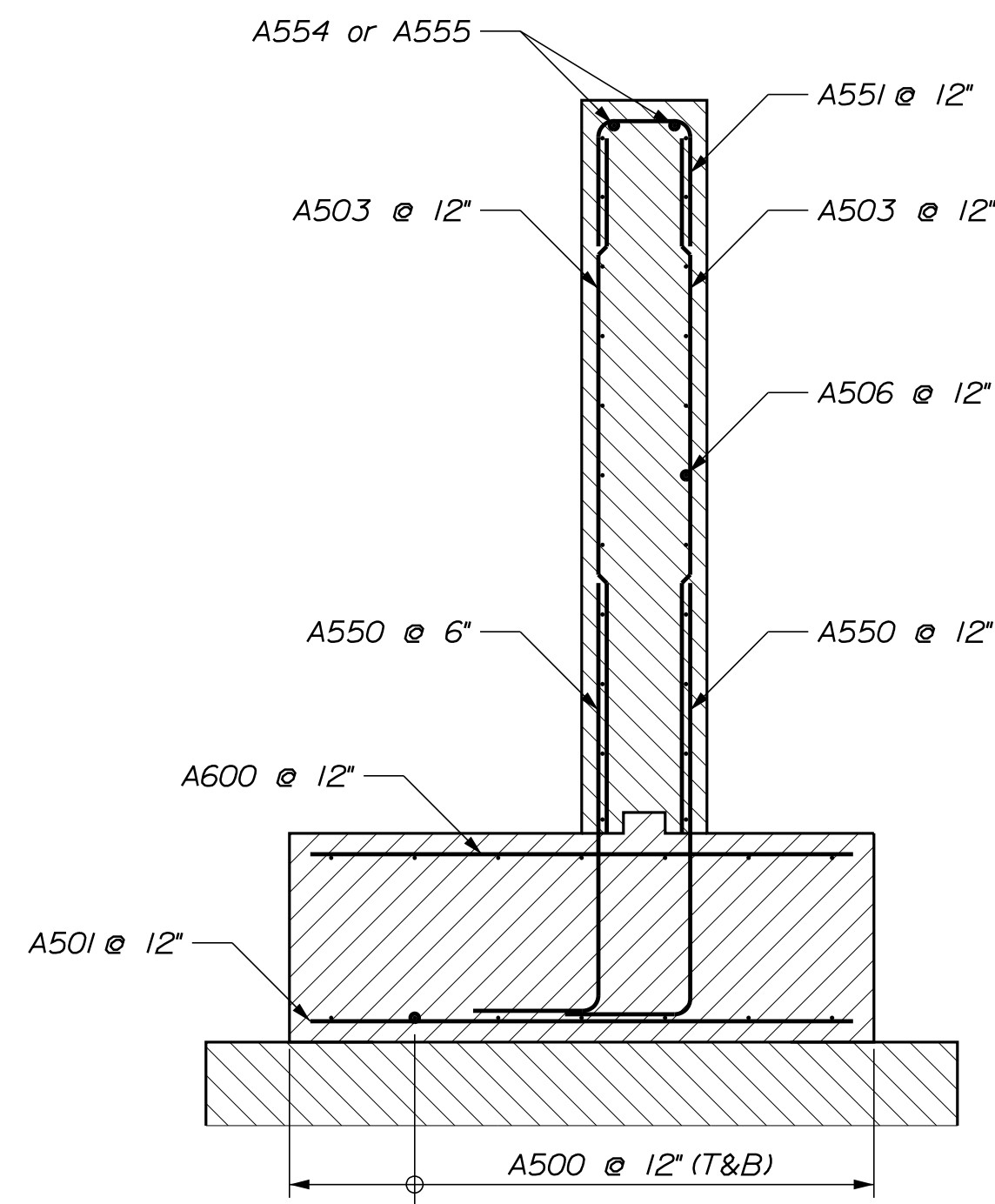
157 CAPITAL STREET,
SUITE 2
AUGUSTA, MAINE 04330
PHONE: 207-889-3150



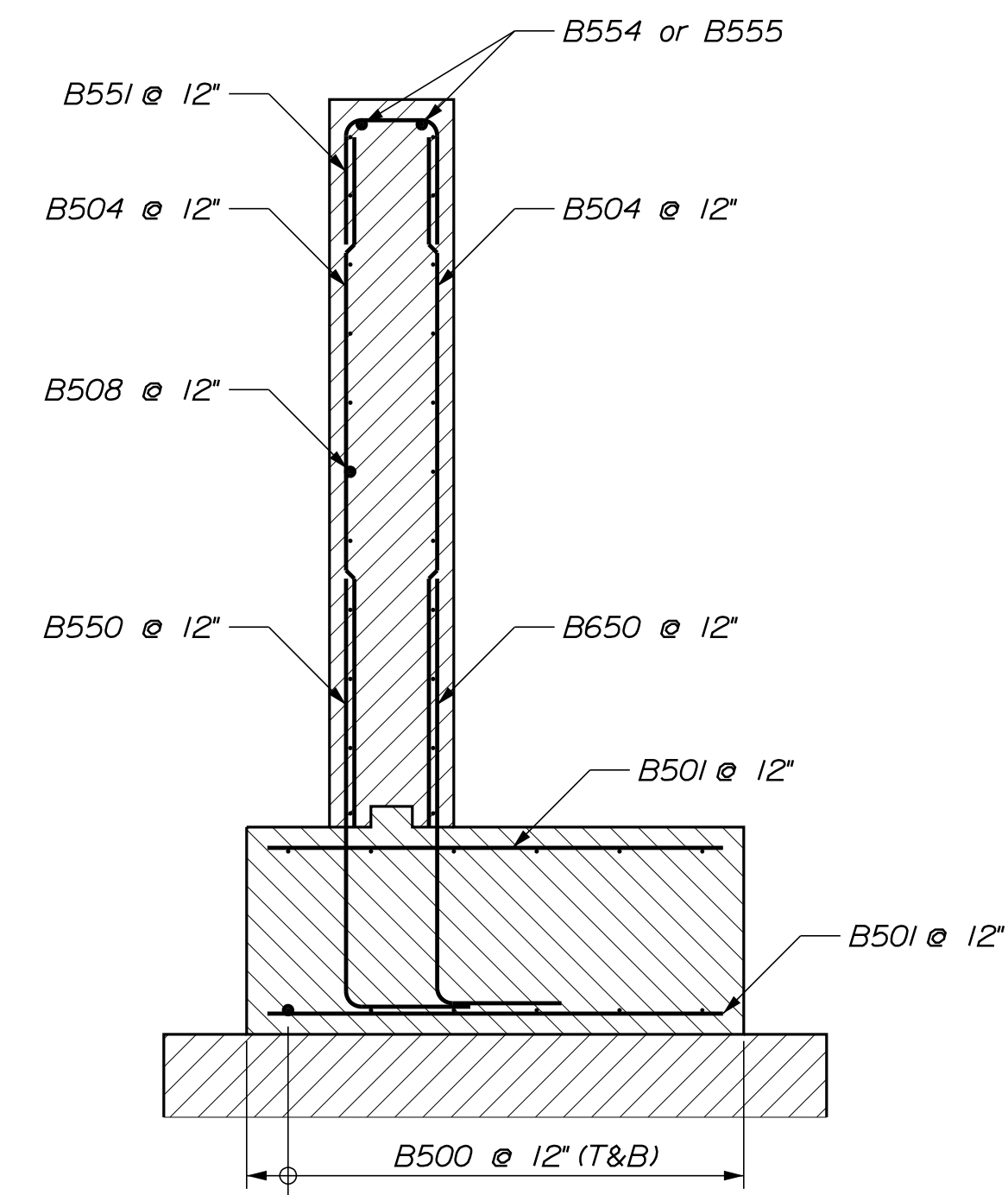
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ABUTMENT NO. 2 SECTION
Scale: 1/2" = 1'-0"



ABUTMENT NO. 1 WINGWALL SECTION
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ABUTMENT NO. 2 WINGWALL SECTION
Scale: 1/2" = 1'-0"

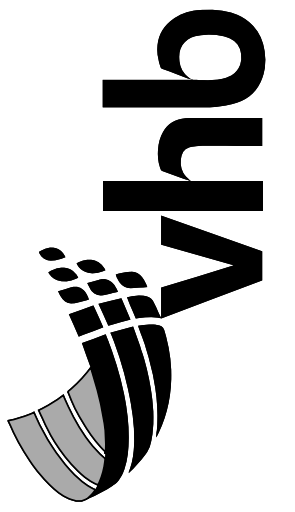
PROJ. MANAGER	DATE	BY
.....	JAN	JAN
DESIGN-DETAILED		
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

LYNCH ROAD OVER
DYER CREEK
NEWCASTLE, LINCOLN COUNTY ME
**ABUTMENT & WINGWALL
REINFORCING**

SHEET NUMBER

18

OF 32



157 CAPITAL STREET,
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AUGUSTA, MAINE 04330
PHONE: 207-889-3150

PROJ. MANAGER	DATE
DESIGN-DETAILED	JAN
CHECKED-REVIEWED	JAN
DESIGN-DETAILED02	
DESIGN-DETAILED03	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

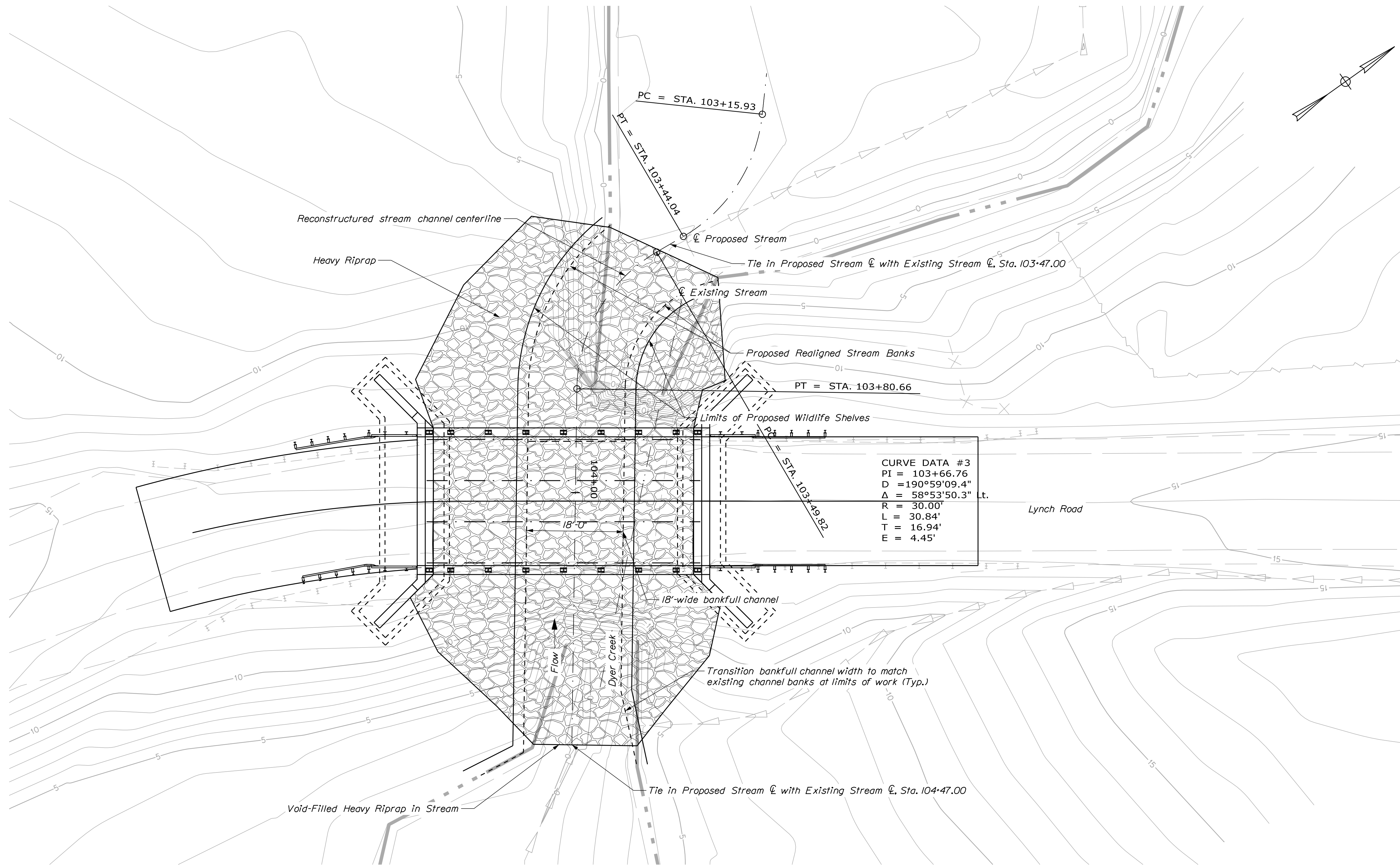
LYNCH ROAD OVER
DYER CREEK
NEWCASTLE, LINCOLN COUNTY ME
STREAM PLAN

SHEET NUMBER

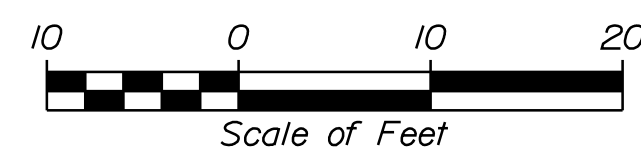
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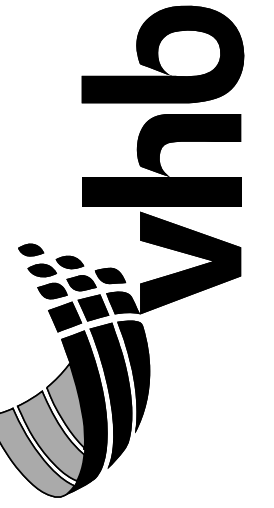
OF 32

March 19, 2024

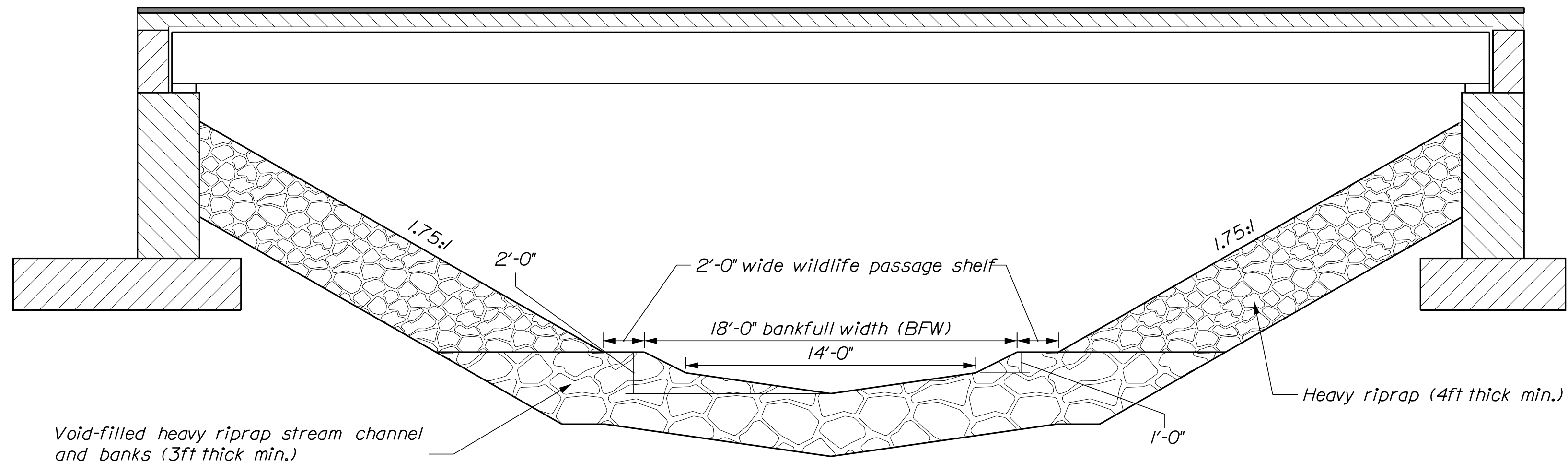


STREAM PLAN

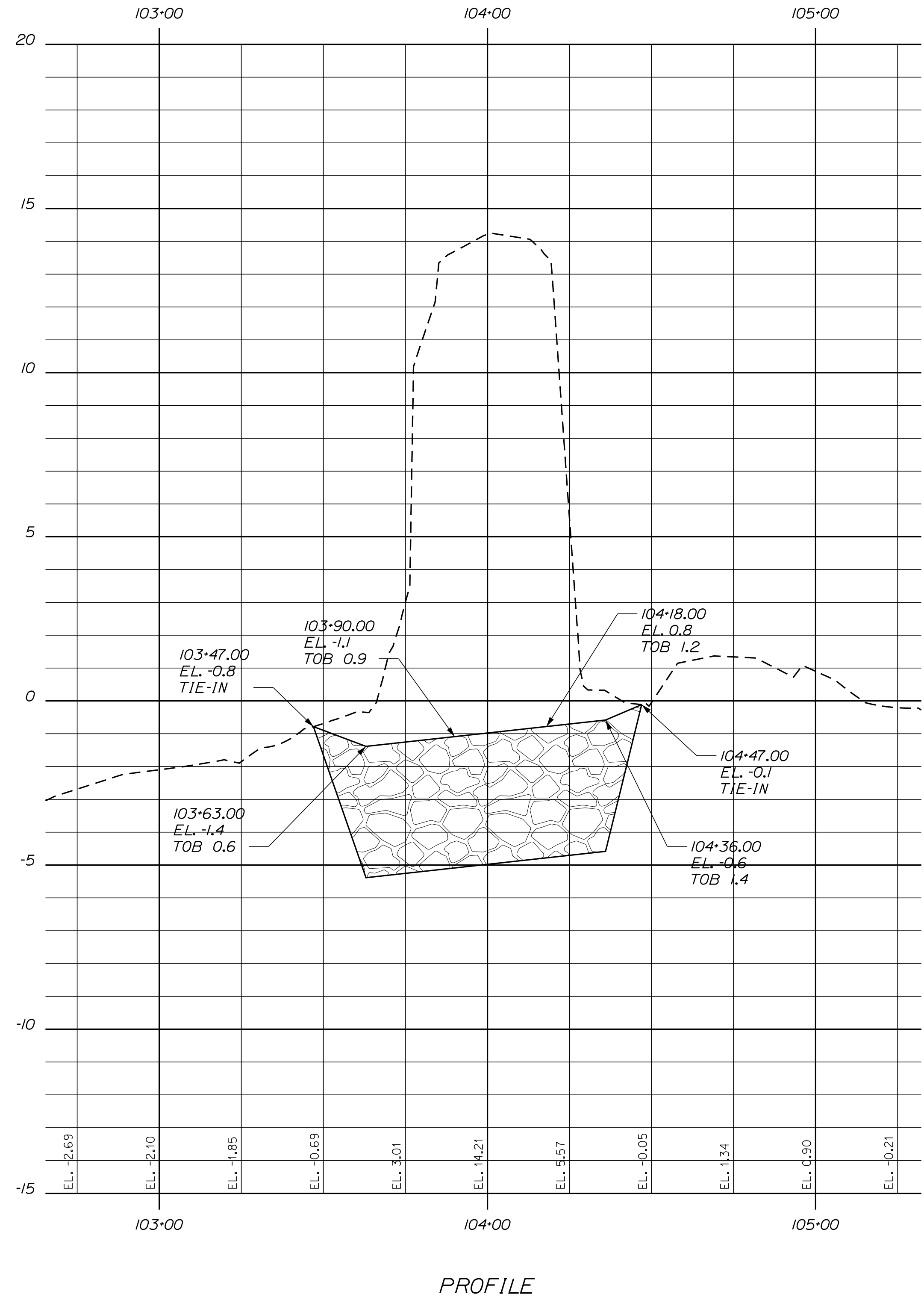




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SUITE 2
AUGUSTA, MAINE 04330
PHONE: 207-889-3150



STREAM CHANNEL SECTION
(THROUGH BRIDGE)



PROJ. MANAGER	BY	DATE
.....	JAN	JAN

LYNCH ROAD OVER
DYER CREEK
NEWCASTLE, LINCOLN COUNTY ME
STREAM PROFILE
& SECTION

SHEET NUMBER

31

OF 32

Work-Start Notification Form

File Number: NAE-2024-00266 State: Maine County: Lincoln

**Permittee: Town of Newcastle, Mr. Kevin Sutherland
Date Verification Issued: 4/26/2024
Project Manager: Amanda Sayles**

At least two weeks prior to commencing the activity authorized by this permit, sign this certification and return it to the following address:

**US ARMY CORPS OF ENGINEERS
New England District
Attn: Amanda Sayles
442 Civic Center Drive
Augusta, Maine 04330
or
Amanda.L.Sayles@usace.army.mil
(978) 318-8486**

Please note that your permitted activity is subject to a compliance inspection by a U. S. Army Corps of Engineers (USACE) representative. Failure to comply with any terms or conditions of this authorization may result in the USACE suspending, modifying or revoking the authorization and/or issuing a Class I administrative penalty, or initiating other appropriate legal action.

The people (e.g. contractor) listed below will do the work, and they understand the permit’s conditions and limitations.

Contractor Name/Contractor Firm: _____

Business Address: _____

Contractor Phone and Email: _____

Proposed Construction Dates: Start: _____ **Finish:** _____

Signature of Permittee

Date

Compliance Certification Form

File Number: NAE-2024-00266 State: Maine County: Lincoln

**Permittee: Town of Newcastle, Mr. Kevin Sutherland
Date Verification Issued: 4/26/2024
Project Manager: Amanda Sayles**

Within one month of completion of the activity authorized by this permit and any mitigation required by the permit (you must submit this form after mitigation is complete, but not the mitigation monitoring, which requires separate submittals), sign this certification and return it to the following address:

**US ARMY CORPS OF ENGINEERS
New England District
Attn: Amanda Sayles
442 Civic Center Drive
Augusta, Maine 04330
or
Amanda.L.Sayles@usace.army.mil**

Please note that your permitted activity is subject to a compliance inspection by a U. S. Army Corps of Engineers (USACE) representative. Failure to comply with any terms or conditions of this authorization may result in the USACE suspending, modifying, or revoking the authorization and/or issuing a Class I administrative penalty, or initiating other appropriate legal action.

I hereby certify that the work, and mitigation (if applicable), authorized by the above referenced permit has been completed in accordance with the terms and conditions of the said permit including any general or specific conditions.

Date Authorized Work Started: _____ **Completed:** _____

Describe any deviations from permit (attach drawing(s) depicting the deviations):

***Note: The description of any deviations on this form does not constitute approval by the USACE.**

Signature of Permittee

Date