



Town of Bristol
1 South Street
P.O. Box 249
Bristol, VT 05443
(802) 453-2410 ext. 1
townadmin@bristolvt.org
www.bristolvt.org

REQUEST FOR CONSTRUCTION BIDS

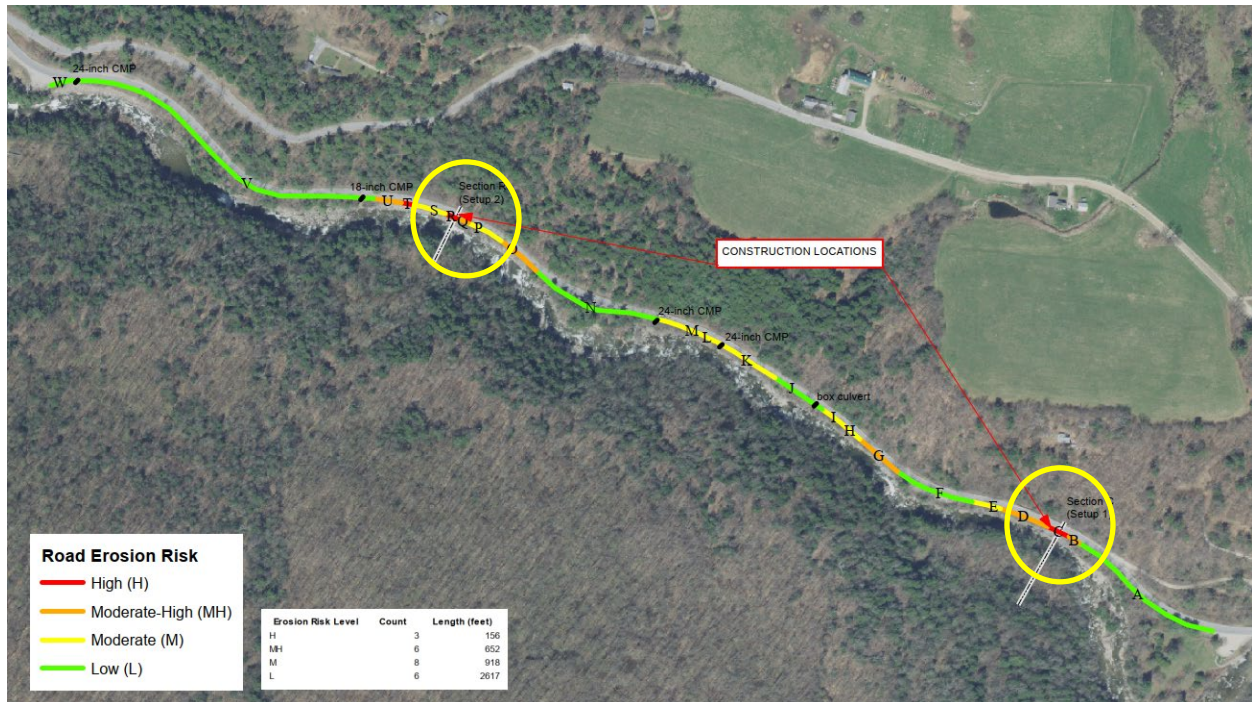
Posted: June 26, 2023

Bids Due: July 21, 2023

**Lincoln Road Riverbank Repair
Bristol, Vermont**

1.0 Project Background

The tall, steep slope along the Lincoln Road embankment has failed in two locations along the New Haven River. The slope is unstable and is destabilizing the road. The Town of Bristol has received a VTTrans Structures grant to stabilize the riverbank and repair the road embankment. The Town of Bristol is seeking competitive bids to repair the two failed sections of road embankment armoring (Figure 1). Segment C is 200 feet long and covers a footprint of 4,950 square feet. Segment R is 120 feet long and covers a footprint of 1,900 square feet.



Project construction is anticipated between August 1 and October 1, 2023. Disturbance must be minimized. Tree removal is not anticipated.

Companies that are women-owned, minority-owned, Section 3, and local small businesses are encouraged to submit bids.

2.0 General Scope of Work

Work tasks will include removal of one or more lanes of Lincoln Road that will be closed to traffic, removal of the existing stone / armor and earth on the failed slope, hammering ledge to create a lip for the proposed stone, installation of blocky heavy stone that is pinned to ledge and grouted, installation of the sloped stone, and reconstruction of Lincoln Road and associated site restoration (See Attachment A).

This project does not include simple stack stone as has been done in the past at many erosion sites along the New Haven River and Lincoln Road. The key to this project is the drilling, pinning, and grouting of the stone base to create a long-term slope stabilization measure in the erosion hot spots with a failing road embankment.

Disturbance shall be minimized during construction. All disturbed areas shall be returned to pre-construction conditions. Seed and mulch of all disturbed flat areas will be performed as part of this contract.

Work hours will be Monday through Saturday from 7 am to 7 pm. Work is not allowed on Sundays and holidays. Any change to work hours must be approved by the Town and Project Engineer.

3.0 Owner's Project Representation

The owner of the project is the Town of Bristol and engineering oversight of the project will be conducted by the Town's appointed Project Engineer – SLR Consulting. The Contractor will be obligated to comply with directives from the Project Engineer to ensure meeting all contract provisions and design specifications while complying with permit requirements, and from VTrans. The Contractor will be obligated to adhere to the Terms and Conditions in the Contract with the owner.

4.0 Construction Access

Construction access will be made from Lincoln Road adjacent to the failed slope. The road will be closed for the duration of the project. Barricades and signage must be provided at the limits of construction to prevent pedestrians and automobiles from entering the work zone.

If the Contractor wishes to leave the road right-of-way, permission is required from landowners.

5.0 Sequence of Work

The selected Contractor shall submit a sequence of work to the Project Engineer for approval prior to the start of construction.

6.0 Specifications

Primary technical specifications are included in the details and notes on the construction plans (see Attachment A). The Contractor shall refer to the VTrans 2018 Standard Specifications for Construction. A formal technical specification package or project manual does not exist for this project.

7.0 Sediment and Erosion Control

Limits of area of disturbed earth (2 acres) and length of time of unstabilized disturbance (7 days) have been established to minimize impact to the stream. Turbid runoff is to be treated before discharge to the river. The Contractor may need to install silt fence or straw bales while performing slope repair if a discharge takes place.

8.0 Construction Notes

Construction notes are contained in the construction plans (see Attachment A).

9.0 Construction Schedule

Construction is planned for August 1, 2023 to October 1, 2023. A Notice to Proceed will be issued by the Project Engineer following a pre-construction site walk and approval of submittals prior to the start of work. The Project Engineer will provide periodic inspections of the site to ensure that the site remains stable and determine if additional sediment and erosion controls are needed, and if additional site recovery work is needed.

10.0 Regulatory Requirements

Federal and state permitting applications have been submitted for this project and conditions of each permit must be followed during construction. The Contractor must review permits in full to understand all regulatory requirements prior to construction. All permits must be posted at the project site prior to the start of construction. The following permits are anticipated.

- US Army Corps of Engineers Programmatic General Permit
- Vermont Stream Alteration Permit

11.0 Insurance Requirements

Prior to execution of a contract, the Contractor must provide the Town with a Certificate of Insurance showing coverage that meets the following requirements.

Workers' Compensation Insurance. The policy shall cover the obligations of the Contractor in accordance with the Workers' Compensations Law and Disability Benefits Law covering all operations under the Contract, whether performed by it, or by its subcontractor.

Liability and Property Damage Insurance. Unless otherwise specified, each policy shall have limits not less than: \$1,000,000 combined (Bodily Injury and Property Damage); \$1,000,000 aggregate, single limit per occurrence. The Contractor shall provide a Certificate of Insurance with the Town of Bristol as an additional insured.

12.0 Compensation

Payment for the project will be made in installments based on a schedule of values of the bid items. The final payment will only to be made after project completion and approval from the Project Engineer

following a final site inspection. Payment will be based on percent complete of the lump sum bid items. Prior approval is needed from the Project Engineer for all change orders. All invoices will be emailed to the Bristol Town Clerk clerk@bristolvt.org and copied to the Bristol Town Administrator townadmin@bristolvt.org and the Project Engineer rschiff@slrconsulting.com for review and payment upon approval.

13.0 Bid Submittal Information & Format

Bids shall be presented on the enclosed bid sheet (Attachment B), along with two project references for past work of a similar nature. Bid proposals may be received in person or via Email by Valerie Capels, Bristol Town Administrator, at 1 South Street, PO Box 249, Bristol, Vermont 05443 or at townadmin@bristolvt.org in advance of the bid opening scheduled for **10:00 am Friday July 21, 2023**. No late bids will be accepted. Bid results will be read aloud at the bid opening and emailed to all bidders.

Notice of award is anticipated by Friday July 28, 2023, following approval by the Town Select Board. The Town reserves the right to reject any or all bids on its own motion. The Town reserves the right to conduct value engineering with the lowest and most qualified bidder.

A pre-bid site showing is planned for Tuesday July 11, 2023 at 10:00 am. Meet at Eagle Park off of Lincoln Road.

Questions about the bid will be accepted until 5:00 pm on Friday July 14, 2023. Final responses to questions will be issued in a final addendum by 5:00 pm Tuesday July 18, 2023.

Electronic copies of the construction plans are attached to this request. For questions contact Roy Schiff at SLR Consulting. (802-882-8335; rschiff@slrconsulting.com).

14.0 Attachments

- Attachment A: Construction Plans
- Attachment B: Bid Sheet

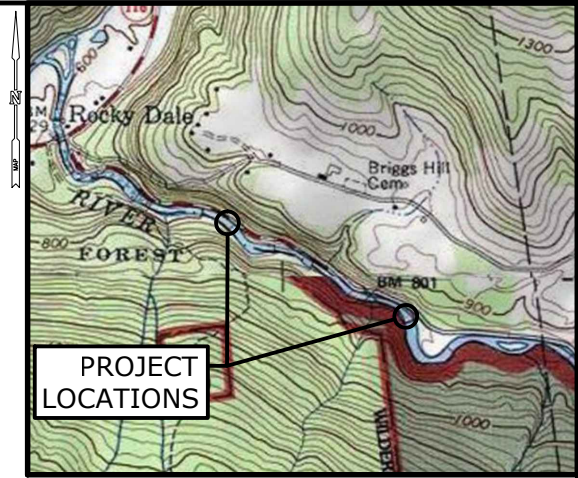
Attachment A
Construction Plans

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Plotted by: DOSBQNF On this date: Mon, 2023 May 15 - 4:00pm

LINCOLN ROAD STABILIZATION

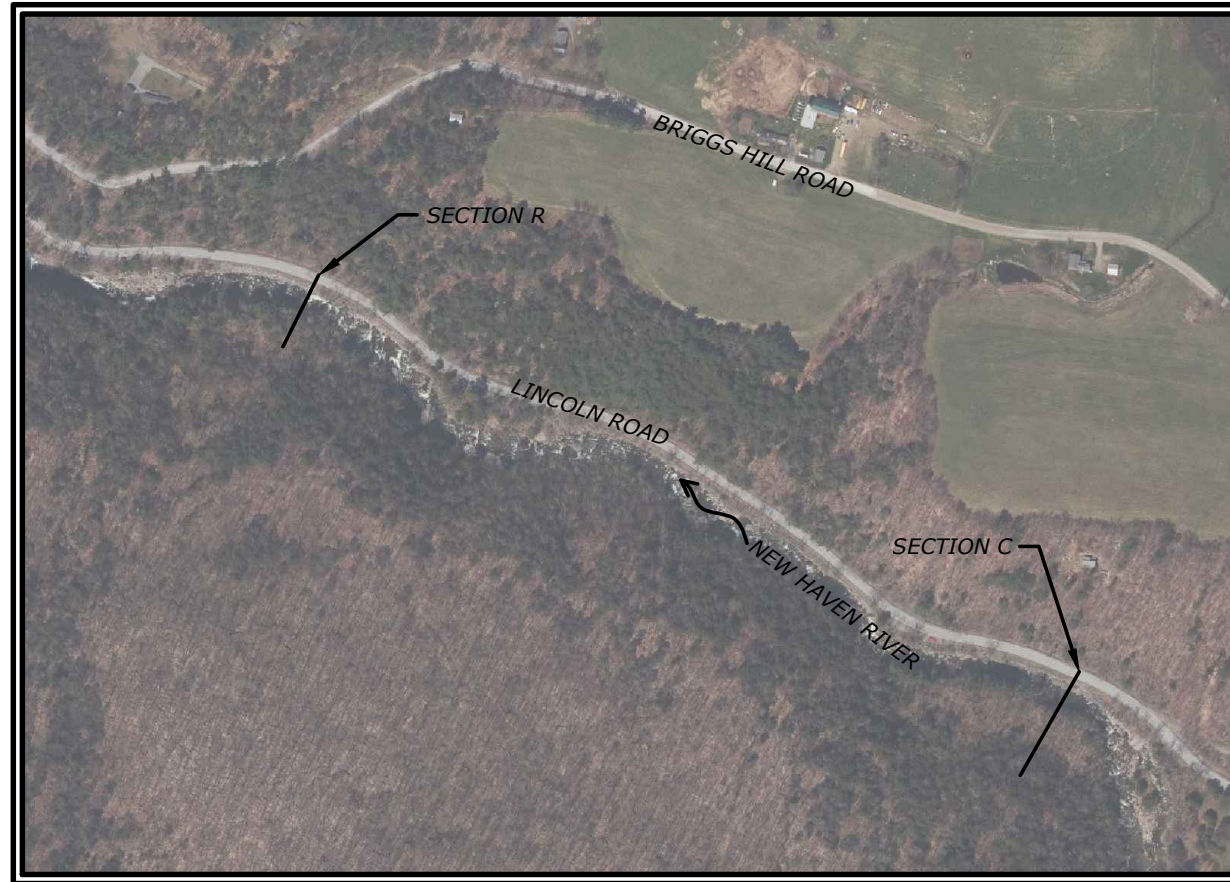
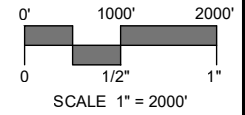
LINCOLN ROAD BRISTOL, VERMONT

DRAFT FINAL DESIGN
MAY 15, 2023

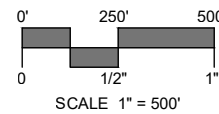


PROJECT
LOCATIONS

LOCATION MAP:



PROJECT SITE VICINITY MAP:



PREPARED BY:



1 SOUTH MAIN STREET
WATERBURY, VT 05676
802.882.8335
SLRCONSULTING.COM

PREPARED FOR:

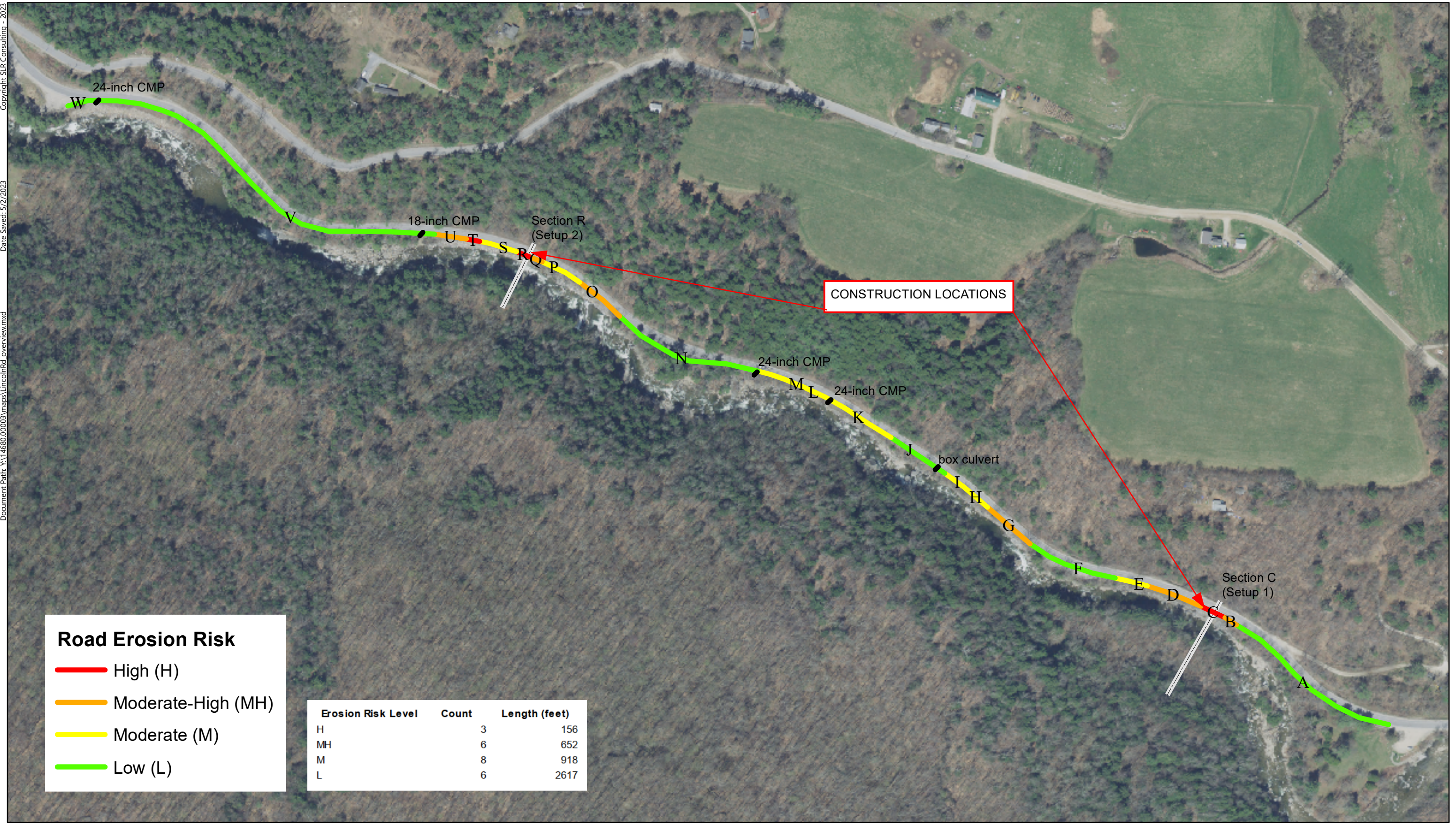
TOWN OF BRISTOL
1 SOUTH STREET
BRISTOL, VERMONT 05443

LIST OF DRAWINGS:

NO.	NAME	TITLE
01	--	TITLE SHEET
02	EX-1	ROAD EMBANKMENT EROSION RISK
03	EX-2	EXISTING CONDITIONS PLAN - SECTION C
04	EX-3	EXISTING CONDITIONS PLAN - SECTION R
05	PR-1	PROPOSED CONDITIONS PLAN - SECTION C
06	PR-2	PROPOSED CONDITIONS PLAN - SECTION R
07	XS-1	TYPICAL SECTION - SECTION C
08	XS-2	TYPICAL SECTION - SECTION R
09	DET-1	DETAILS



Know what's below.
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www.cbyd.com



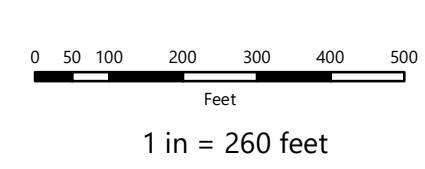
Road Erosion Risk

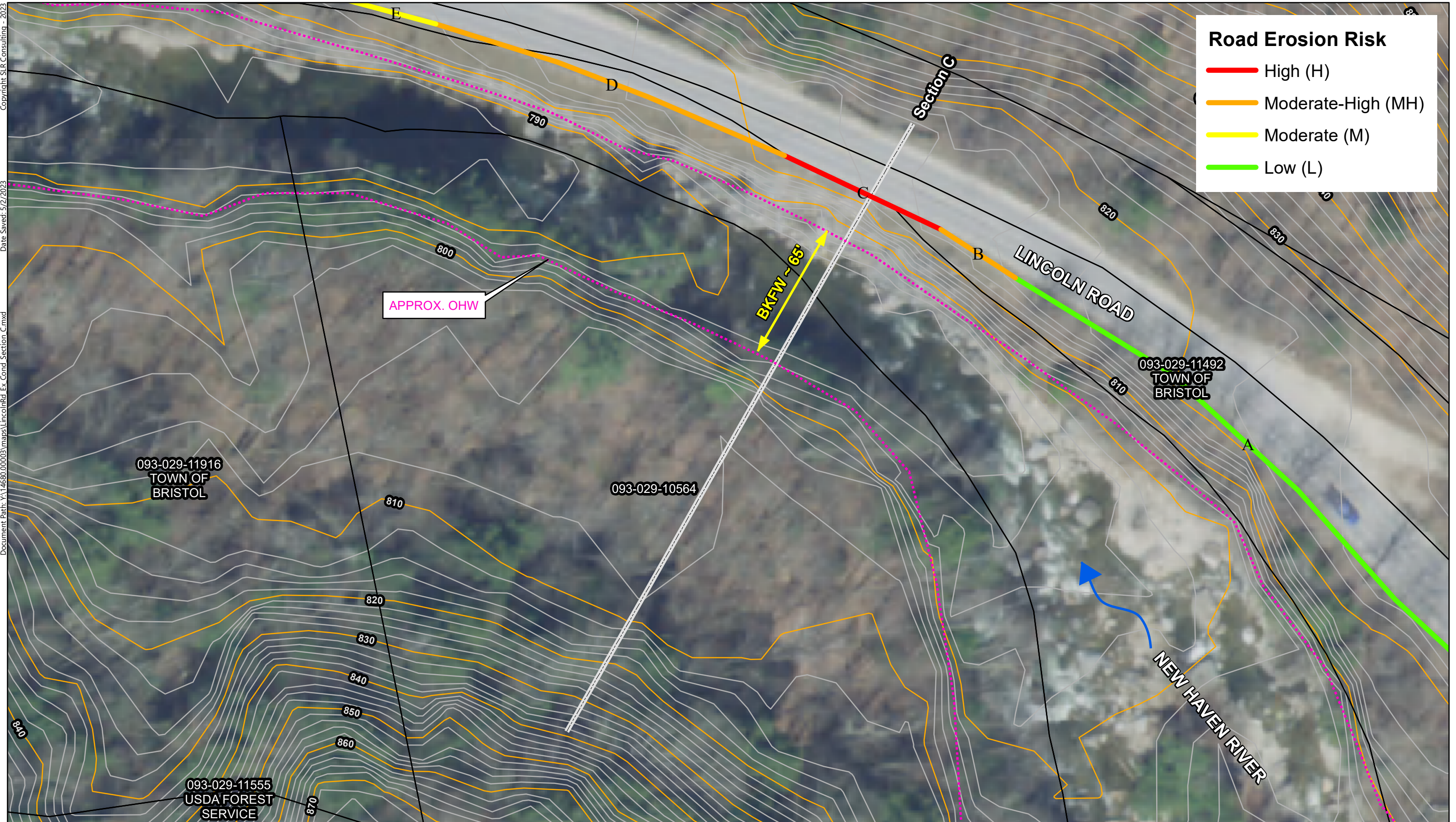
- High (H)
- Moderate-High (MH)
- Moderate (M)
- Low (L)

Erosion Risk Level	Count	Length (feet)
H	3	156
MH	6	652
M	8	918
L	6	2617

ROAD EMBANKMENT EROSION RISK

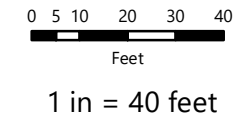
LINCOLN ROAD STABILIZATION
 TOWN OF BRISTOL, VERMONT





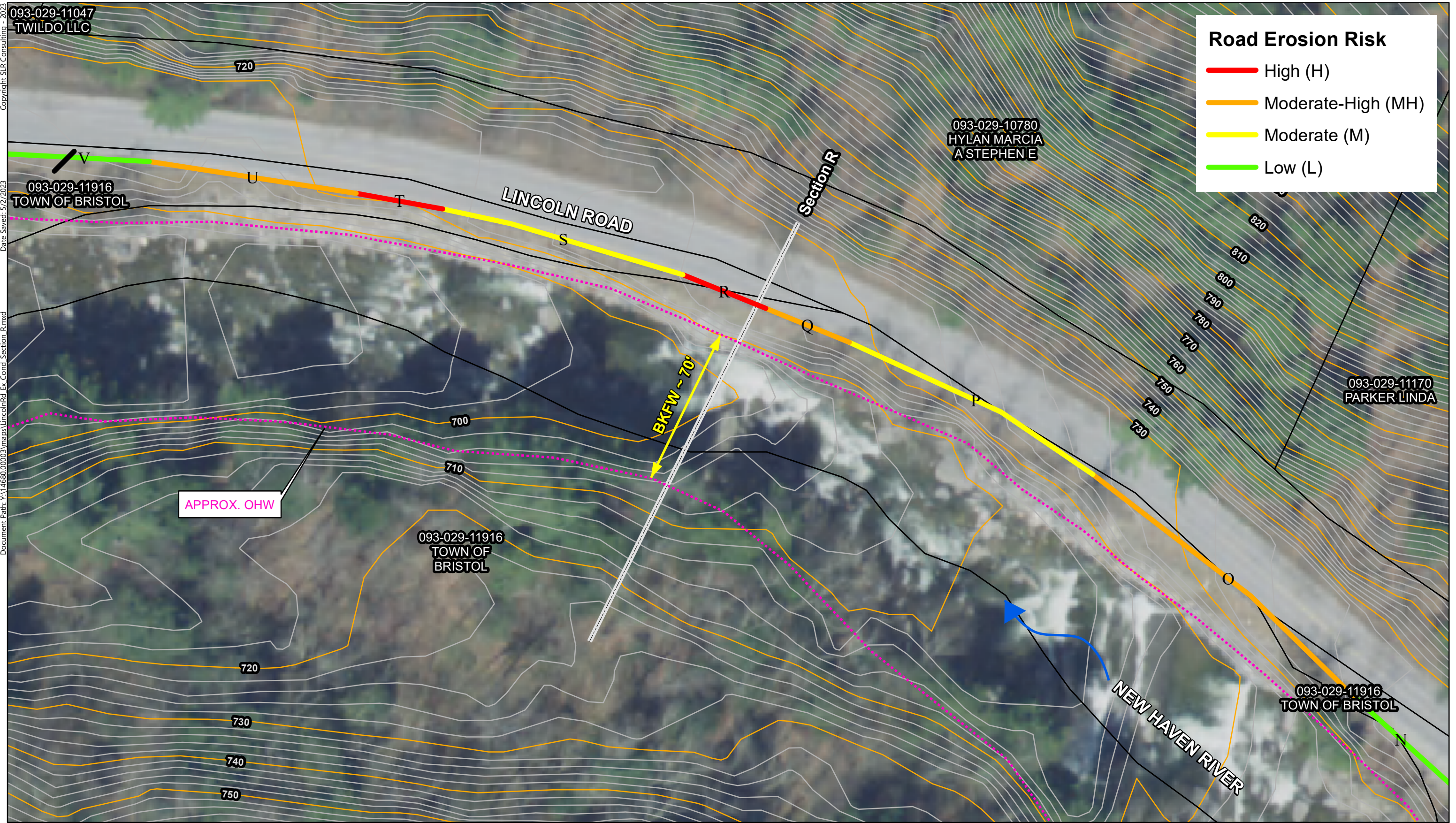
EXISTING CONDITIONS PLAN - SECTION C

LINCOLN ROAD STABILIZATION
TOWN OF BRISTOL, VERMONT



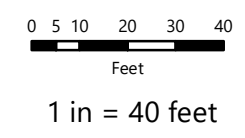
SLR
 1 SOUTH MAIN ST
 WATERBURY, VT 05676
 802.882.8335

Copyright SLR Consulting - 2023
Date Saved: 5/2/2023
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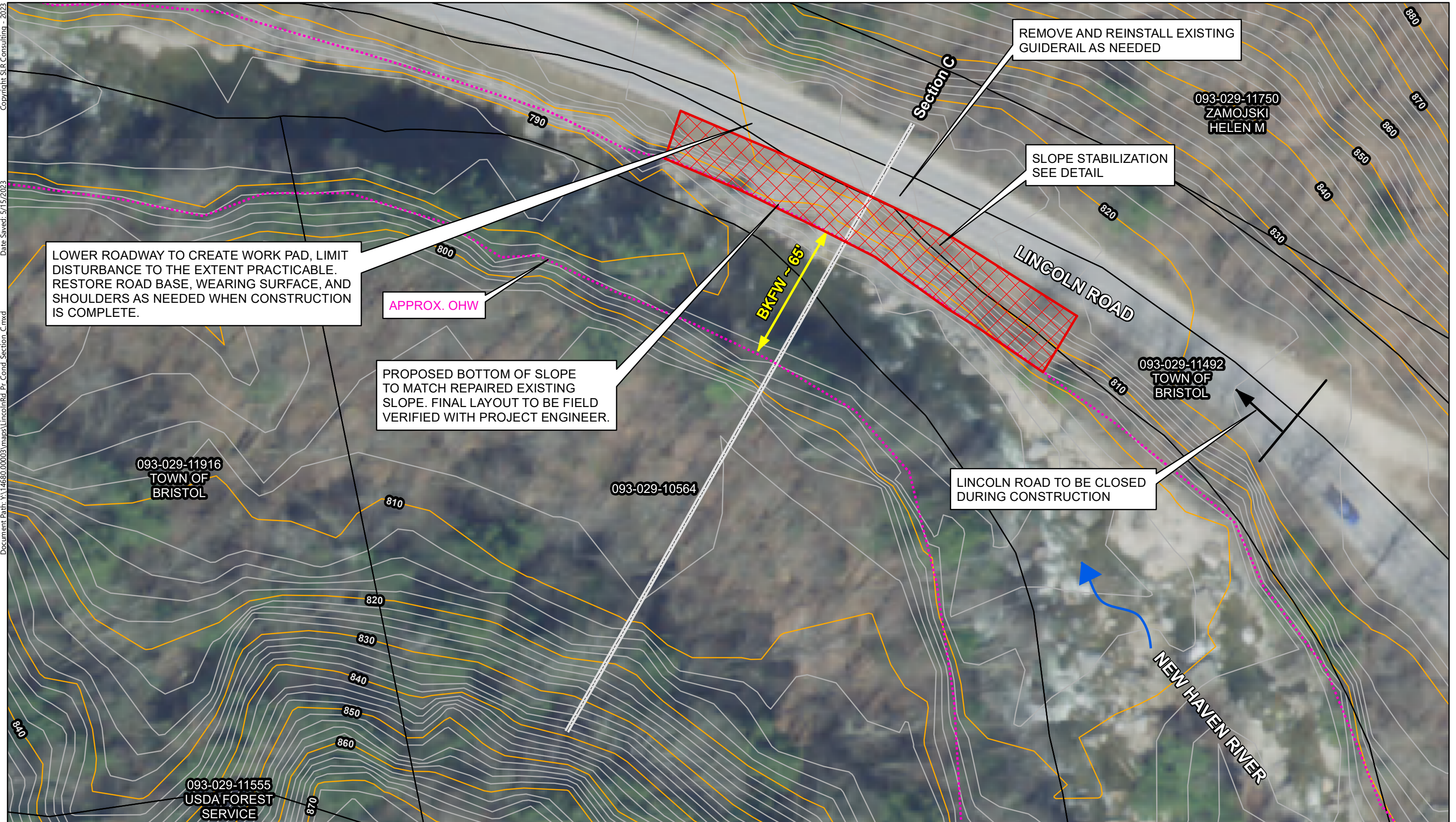


EXISTING CONDITIONS PLAN - SECTION R

LINCOLN ROAD STABILIZATION
TOWN OF BRISTOL, VERMONT

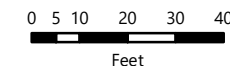


SLR
1 SOUTH MAIN ST
WATERBURY, VT 05676
802.882.8335



PROPOSED CONDITIONS PLAN - SECTION C

LINCOLN ROAD STABILIZATION
TOWN OF BRISTOL, VERMONT

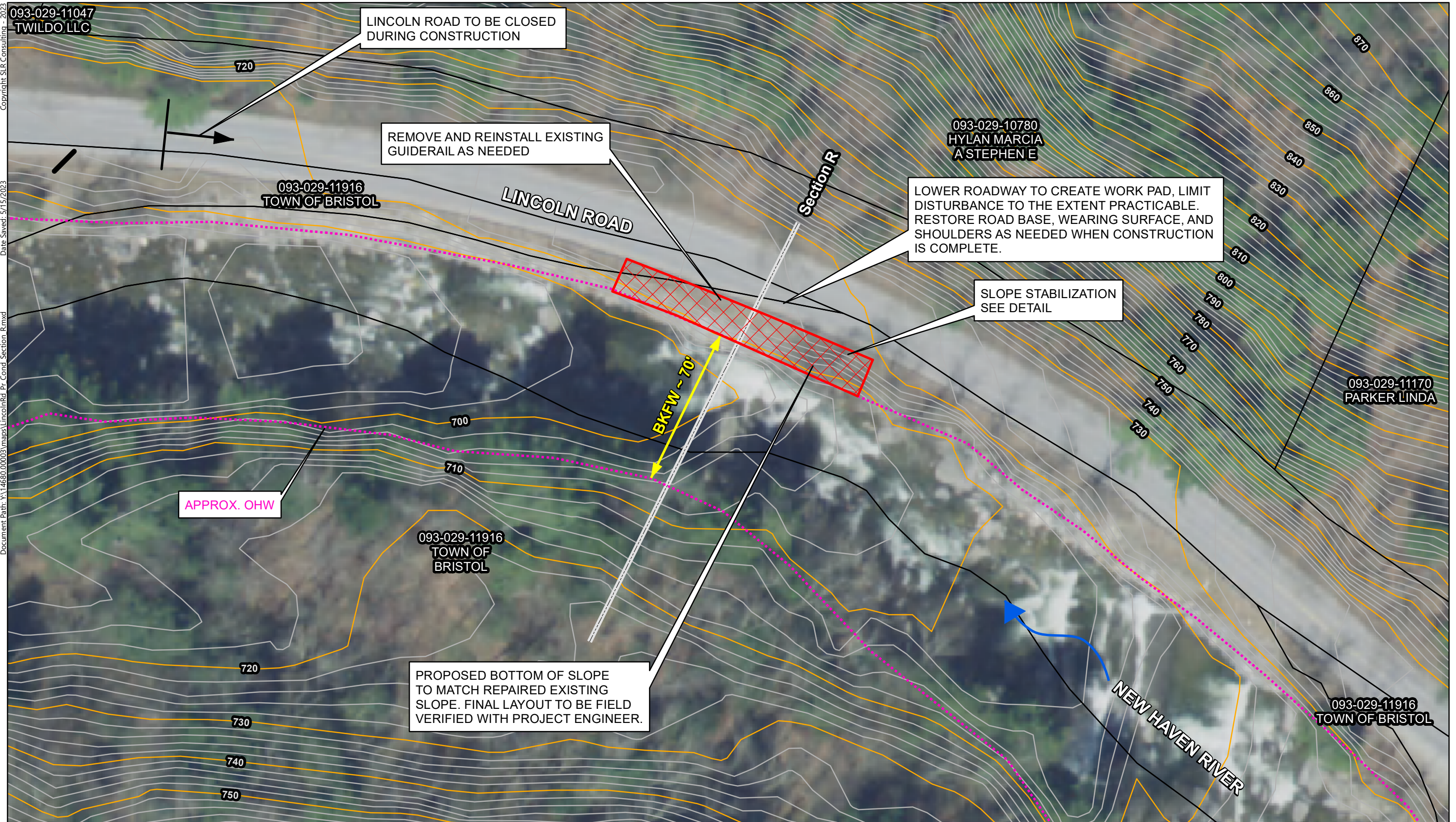


1 in = 40 feet



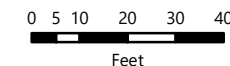
1 SOUTH MAIN ST
WATERBURY, VT 05676
802.882.8335

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PROPOSED CONDITIONS PLAN - SECTION R

LINCOLN ROAD STABILIZATION
TOWN OF BRISTOL, VERMONT



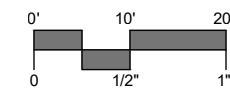
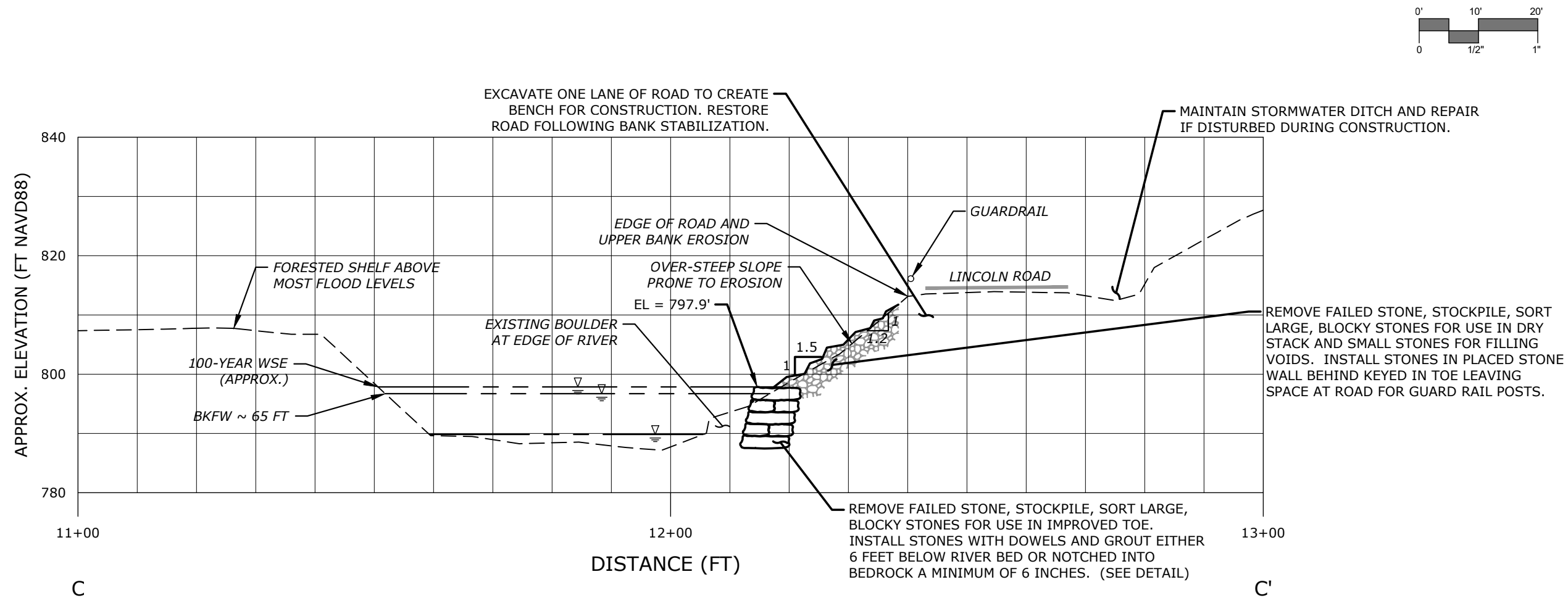
1 in = 40 feet



1 SOUTH MAIN ST
WATERBURY, VT 05676
802.882.8335

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Plotted by: DOSBORNE On this date: Mon, 2023 May 15 - 11:04am



CROSS SECTION VIEW (LOOKING DOWNSTREAM) - SECTION C-C'



FIGURE 1 - RIGHT BANK



FIGURE 2 - LOOKING UPSTREAM



1 SOUTH MAIN STREET
BRISTOL, VT 05616
802.882.8335
SLRCONSULTING.COM

REVISIONS

TYPICAL SECTION - SECTION C

LINCOLN ROAD STABILIZATION

LINCOLN ROAD
BRISTOL, VERMONT

BMC	DJO	RKS
DESIGNED	DRAWN	CHECKED

SCALE 1"=20'

DATE MAY 15, 2023

PROJECT NO. 14680.00003

XS-1

SHEET NO.

Copyright SLR International Corporation - 2023

Drawing: W:\CAD\DESIGN\14680.00003-DE\CAD\LR-SECTIONS\DWG_Layout_Tabs-XS-2

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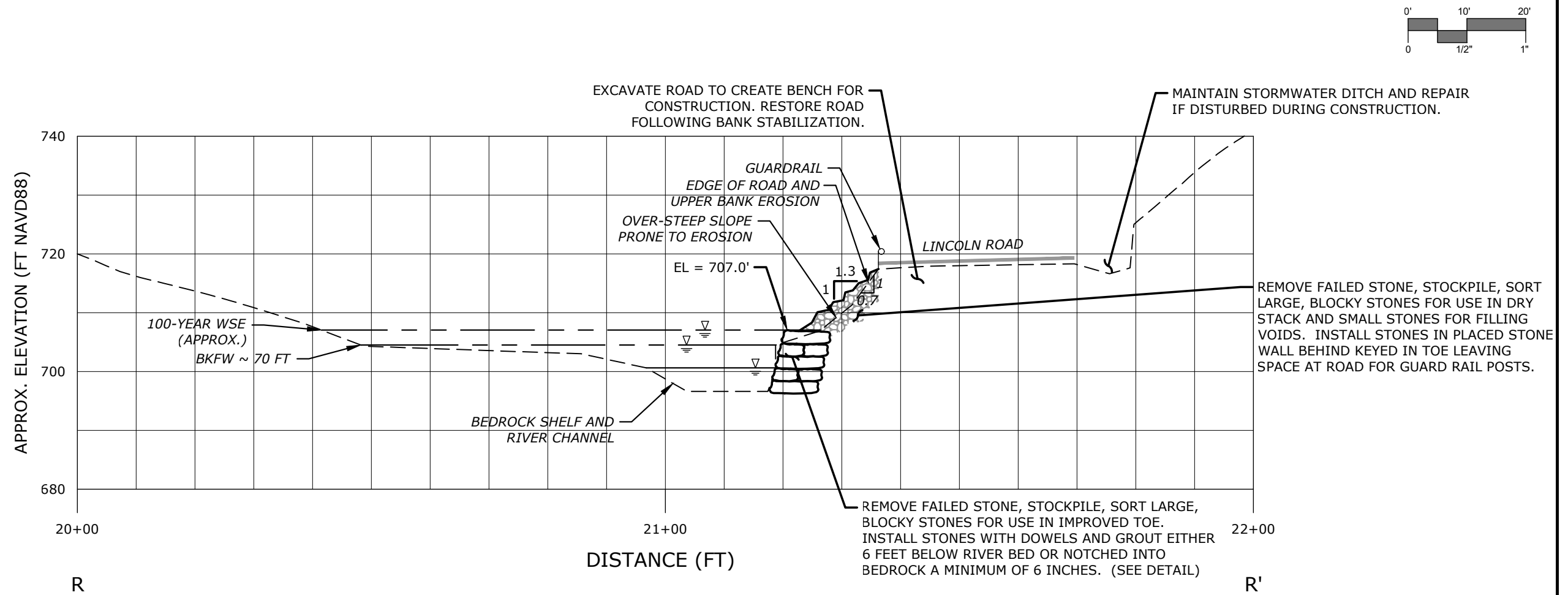


FIGURE 1 - RIGHT BANK

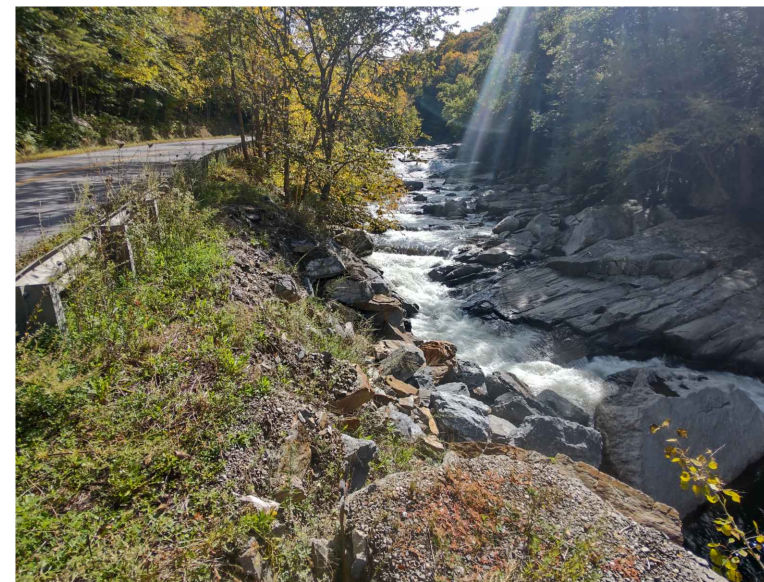


FIGURE 2 - LOOKING UPSTREAM



1 SOUTH MAIN STREET
BRISTOL, VT 05616
802.882.8333
SLRCONSULTING.COM

REVISIONS

TYPICAL SECTION - SECTION R
LINCOLN ROAD STABILIZATION
LINCOLN ROAD
BRISTOL, VERMONT

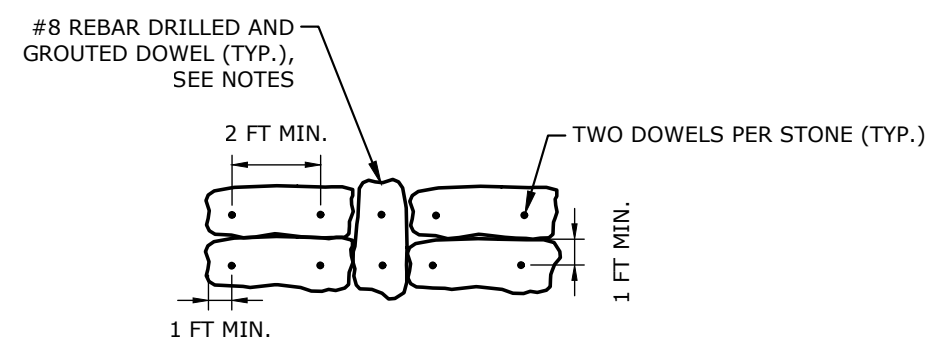
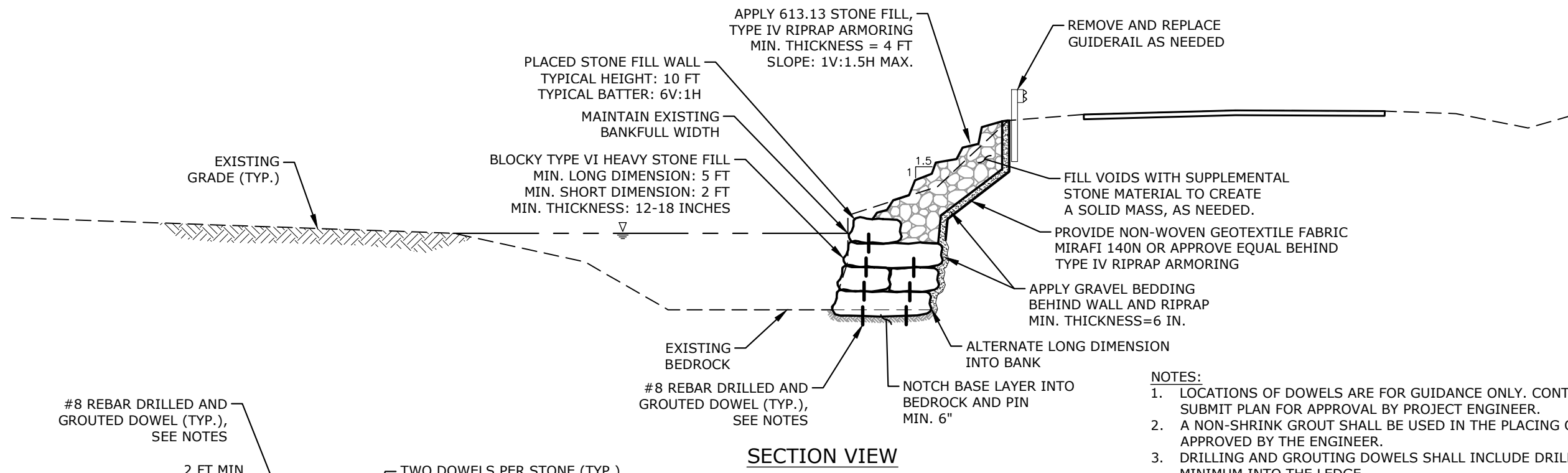
BMC DESIGNED	DJO DRAWN	RKS CHECKED
SCALE 1"=20'		
DATE MAY 15, 2023		
PROJECT NO. 14680.00003		

XS-2

SHEET NO.

Copyright SLR International Corporation - 2023

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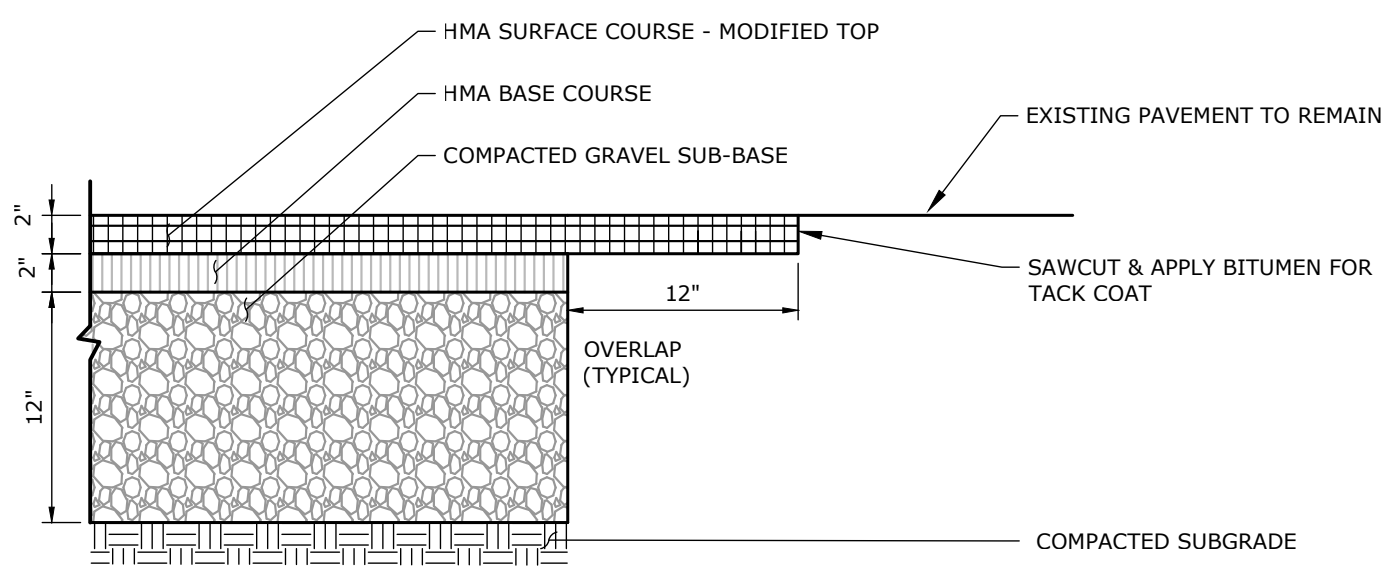


SECTION VIEW

PLAN VIEW

STACKED AND PINNED STONE WALL
 NOT TO SCALE

- NOTES:**
1. LOCATIONS OF DOWELS ARE FOR GUIDANCE ONLY. CONTRACTOR TO SUBMIT PLAN FOR APPROVAL BY PROJECT ENGINEER.
 2. A NON-SHRINK GROUT SHALL BE USED IN THE PLACING OF DOWELS AND APPROVED BY THE ENGINEER.
 3. DRILLING AND GROUTING DOWELS SHALL INCLUDE DRILLING 2 FOOT MINIMUM INTO THE LEDGE.
 4. NUMBER OF LAYERS OF PLACED STONE FILL WALL TO DEPEND ON THICKNESS OF STONE.



PAVEMENT REPAIR - ROADWAY
 NOT TO SCALE



NO.	DATE	REVISIONS

DETAILS
 LINCOLN ROAD STABILIZATION
 LINCOLN ROAD
 BRISTOL, VERMONT

BMC	DJO	RKS
DESIGNED	DRAWN	CHECKED
SCALE: AS NOTED		
DATE: MAY 15, 2023		
PROJECT NO.: 14680.00003		

DET-1

Plotted by: BOOTE On this date: Wed, 2023 June 14 - 5:53 pm

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Attachment B

Bid Sheet

BID SHEET

LINCOLN ROAD RIVERBANK REPAIR

BRISTOL, VERMONT

BIDS DUE: Friday July 21, 2023 at 10:00 AM

Company: _____ Contact: _____

Address: _____

Phone: _____ Email: _____

Reference 1: _____

Reference 2: _____

Bid Item	Typical Tasks	Unit	Quantity	Item Cost (\$)
A. MOBILIZATION / SITE PREPARATION	Job site setup and construction staking, survey, and access.	Lump Sum	1	
B. SLOPE EXCAVATION	Remove and stockpile failed stone. Earth excavation.	Lump Sum	1	
C. SLOPE RECONSTRUCTION	Create notch in bedrock, install blocky, pinned heavy stone, grout base stone, and install heavy stone on upper slope	Lump Sum	1	
D. ROAD RECONSTRUCTION	Rebuild and pave road	Lump Sum	1	
E. SITE RESTORATION / DEMOBILIZATION	Seed and mulch, remove access, and job site cleanup.	Lump Sum	1	
TOTAL BID (written and \$)				