



16591  
8 FEB 2024

## ***PUBLIC NOTICE D05PN-02-2024***

All interested parties are notified that an application dated February 6, 2024, has been received from the Virginia Department of Transportation by the Commander, Fifth Coast Guard District, for approval of the location and plans for modification and replacement of existing highway fixed bridges over navigable waterways of the United States.

**WATERWAY AND LOCATION:** Hampton River and East Branch (of the Hampton River), mile 1.25, at Hampton, VA.

**CHARACTER OF WORK:** The proposed project is to widen and rehabilitate the existing bridge structure carrying I-64 westbound traffic and to replace the existing bridge structures with a widened structure carrying I-64 eastbound traffic over the Hampton River and East Branch (of the Hampton River). The piers and piles of the existing bridge structure carrying I-64 westbound traffic will remain and the piers and piles of the existing bridge structures carrying eastbound traffic will be removed to at least two feet below the existing mudline. The purpose of the project is to provide additional roadway travel lanes, provide maintenance for the existing westbound structure's longevity, and to fully replace and widen the aging eastbound bridges.

### **MINIMUM NAVIGATIONAL CLEARANCES:** <sup>1 2 3</sup>

<b><u>Existing</u></b>	<b><u>Proposed</u></b>
<b><u>I-64 Eastbound (Hampton River):</u></b>	<b><u>I-64 Eastbound (Hampton River):</u></b>
Vertical Clearance - 27.34 feet	Vertical Clearance - 30.19 feet
Horizontal Clearance - 81.00 (56.25) feet	Horizontal Clearance - 107.17 (56.25) feet
<b><u>I-64 Westbound (Hampton River):</u></b>	<b><u>I-64 Westbound (Hampton River):</u></b>
Vertical Clearance - 30.19 (27.34) feet	Vertical Clearance - 30.67 (30.19) feet
Horizontal Clearance - 56.25 feet	Horizontal Clearance - 56.25 feet
<b><u>I-64 Eastbound (East Branch):</u></b>	<b><u>I-64 Eastbound (East Branch):</u></b>
Vertical Clearance - 30.76 feet	Vertical Clearance - 31.29 feet
Horizontal Clearance - 121.20 (50.40) feet	Horizontal Clearance - 35.35 (22.25) feet
<b><u>I-64 Westbound (East Branch):</u></b>	<b><u>I-64 Westbound (East Branch):</u></b>
Vertical Clearance - 40.00 (30.76) feet	Vertical Clearance - 40.00 (31.29) feet
Horizontal Clearance - 50.40 feet	Horizontal Clearance - 41.55 (22.25) feet

<sup>1</sup> Clearances in parenthesis are effective clearances, due to constraints or geography between adjacent structures.

<sup>2</sup> Vertical Clearances in feet above mean high water at North American Vertical Datum of 1988 (Existing/Proposed)

<sup>3</sup> Horizontal Clearances are normal to the axis of the channel.

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**ENVIRONMENTAL CONSIDERATIONS:**

The Federal Highway Administration (FHWA) is the lead Federal agency for compliance with the National Environmental Policy Act (NEPA). The FHWA is acting on behalf of the U. S. Coast Guard (USCG) for all applicable environmental control laws and Executive Orders. The FHWA approved a Categorical Exclusion (CATEX) December 15, 2021. The USCG has tentatively determined that the environmental documentation approved the FHWA is adequate for USCG bridge permitting purposes and intends to prepare a memorandum to file to document a USCG CATEX. Environmental documents are available for review at the address in the letterhead above, Monday through Friday (except Federal holidays), from 8 a.m. to 4:30 p.m.

The bridges are not located in the floodplain. The 100-year flood level is +9.0 feet from datum on the Hampton River and +8.0 feet from datum on the East Branch (of Hampton River). Low steel of the bridges in the navigation span is:

Hampton River, Eastbound + 31.62 feet from datum

Hampton River, Westbound +31.14 feet from datum

East Branch (of the Hampton River) Eastbound: +32.24 feet from datum

East Branch (of the Hampton River) Westbound: +40.95 feet from datum

An individual or general water quality certificate has been waived by the Virginia Department of Environmental Quality (VDEQ) (in response to JPA No. 23-0392) via letter dated March 3, 2023, and the USACE Norfolk District issued NWP #23 dated May 30, 2023.

The bridge construction site lies inside of a designated Coastal Zone Management area. The applicant provided the VDEQ with the project location information and a certification of consistency. The VDEQ issued a finding on November 7, 2022, that the project is consistent with the state's Coastal Zone Management Plan.

Comments received in response to this notice concerning environmental control laws and Executive Orders will be forwarded to Federal Highway Administration as lead Federal agency.

**SOLICITATION OF COMMENTS:**

Mariners are requested to provide navigational information, such as the sizes and types of vessels presently owned and operated on the waterway and nature of navigation (including the extent of nighttime navigation) on the waterway. Mariners are requested to comment on the navigational clearances and need for bridge protective systems, clearance gauges, and navigational lighting on the proposed bridge. Please submit the attached response form.

The Coast Guard has decided to issue this public notice for 21 days, given that the proposed I-64 bridges over the Hampton River will provide equal or greater navigational clearances over the existing bridges and that exceed the navigational clearances of the Pembroke Avenue Bridge approximately 0.05 miles upstream from the I-64 bridges over the Hampton River.

Interest parties are requested to express their views, in writing, on the proposed bridge project, giving sufficient detail to establish a clear understanding of their reasons for support of, or opposition to, the proposed project. Comments will be received for the record at the office of Commander (dpb), Fifth Coast Guard District, 431 Crawford Street, Portsmouth, VA 23704-5004 through **February 28, 2024**.

HAL R. PITTS  
Bridge Program Manager  
By direction

Attachments: (1) Response Form  
(2) Location/Vicinity Maps and Plan Sheets

I-64 Bridges  
 Hampton River and East Branch (of Hampton River), mile 1.25,  
 at Hampton, VA  
**Public Notice D05PN-02-2024**  
 Response Form

It is requested that anyone having an interest in this proposed project, from the standpoint of navigation, submit vessel information, comments, and recommendations on this form to the office of Commander (dpb), Fifth Coast Guard District, 431 Crawford Street, Portsmouth, VA 23704-5004 by **February 28, 2024**.

<b>Vessel Information</b>	Please provide all requested information:
Vessel Type	
Use – <i>Commercial and/or Recreational</i>	
Vessel Height	
Draft	
Length	
Beam	
Tonnage	
Mooring Location	

Name (Optional): \_\_\_\_\_

Address (Optional): \_\_\_\_\_

Phone (Optional): \_\_\_\_\_

**Comments and Recommendations:** \_\_\_\_\_

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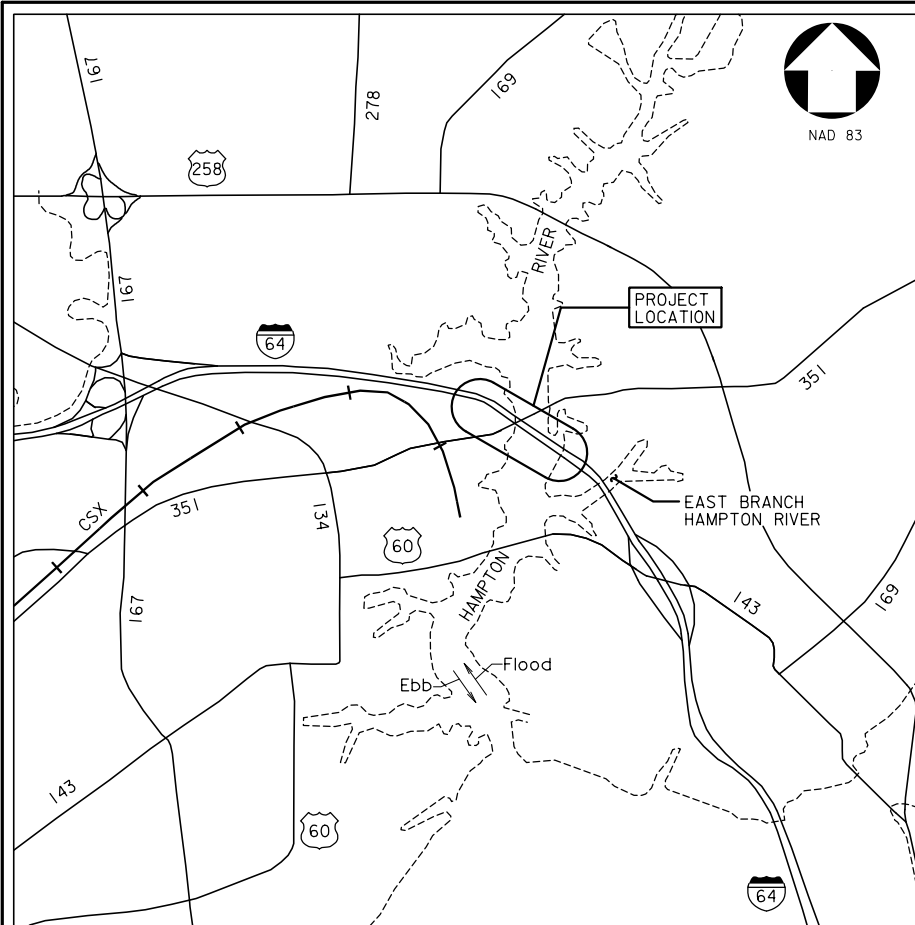
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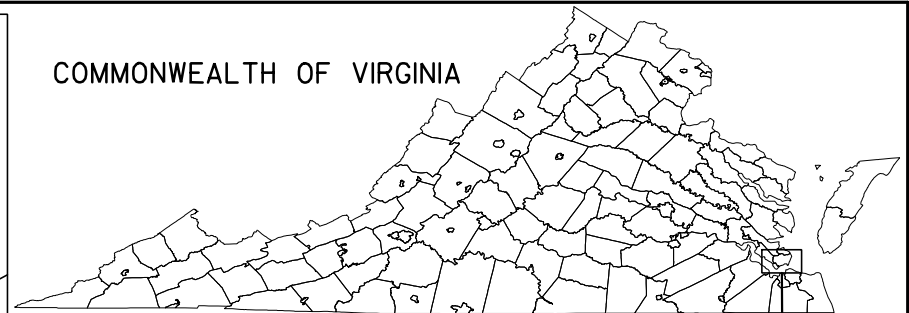
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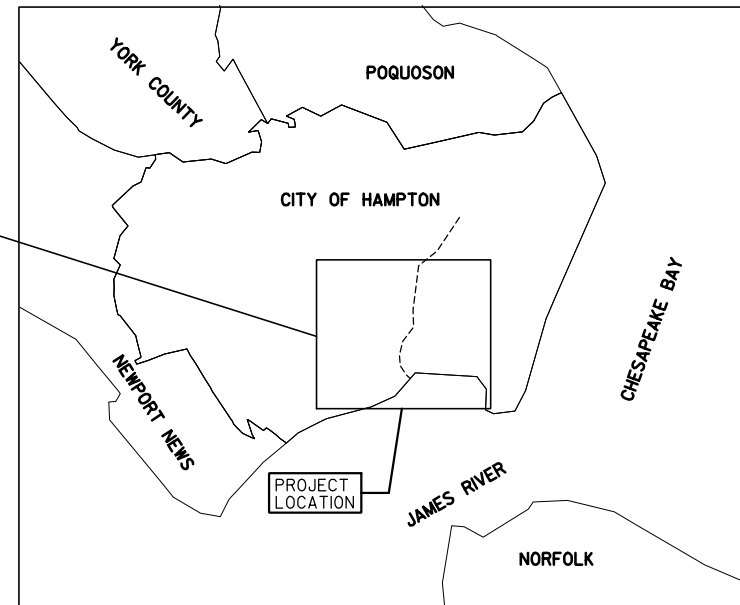
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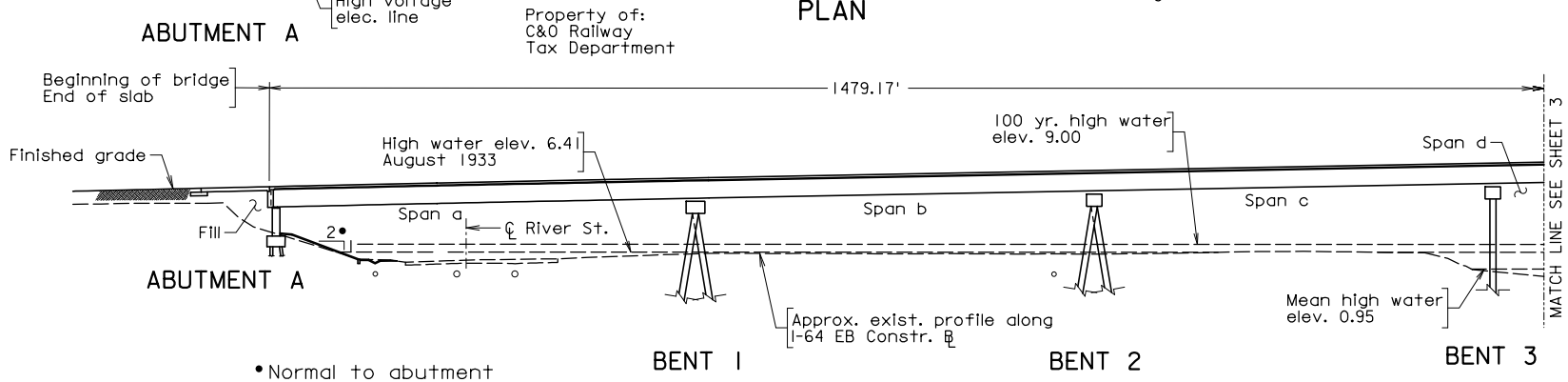
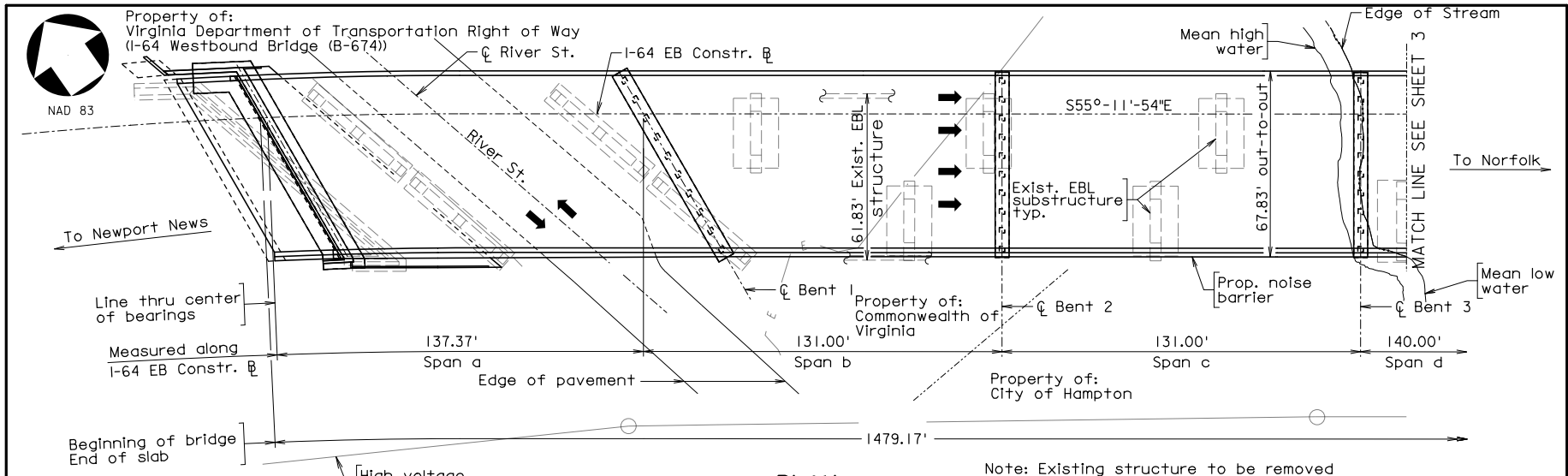


PROJECT LOCATION



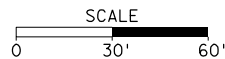
PROPOSED BRIDGE REPLACEMENT -  
I-64 EASTBOUND BRIDGE  
I-64 EBL over River St., Hampton River, East Pembroke Ave.  
Located at Hampton, VA  
PROJECT NO.: 0064-114-374, B673  
LOCATION: Hampton River, mile 1.25  
UPC: 119638 VA Structure Number: 2805  
LATITUDE: 37.0306  
LONGITUDE: -76.3367  
STRUCTURAL ENGINEER: STV Incorporated, Richmond VA





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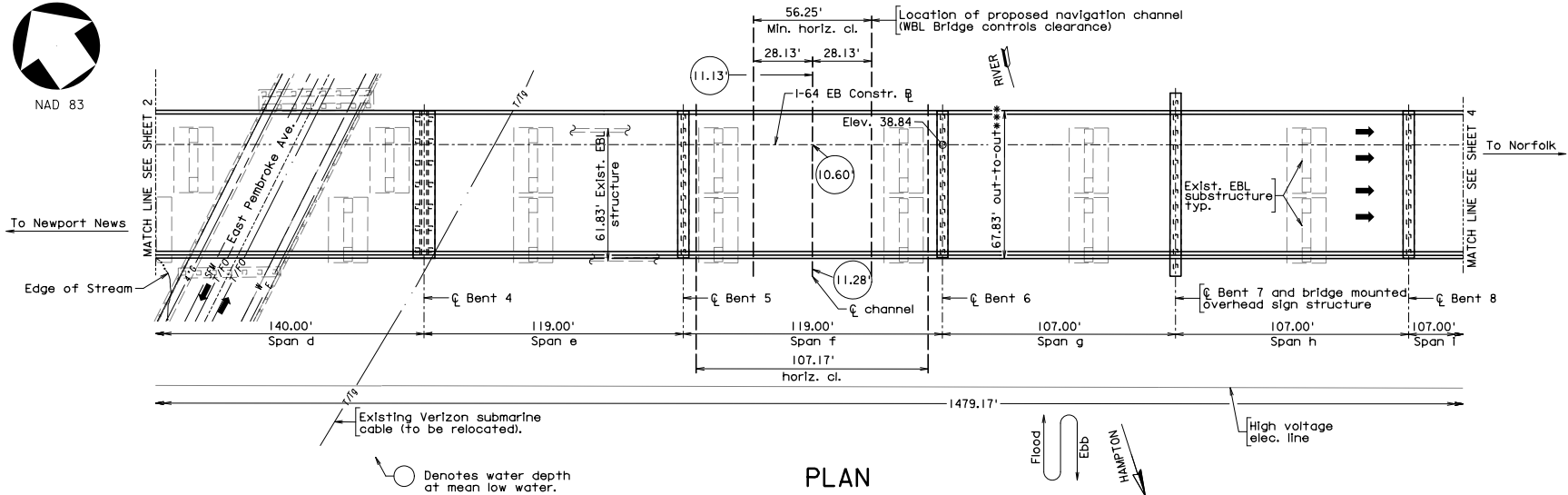


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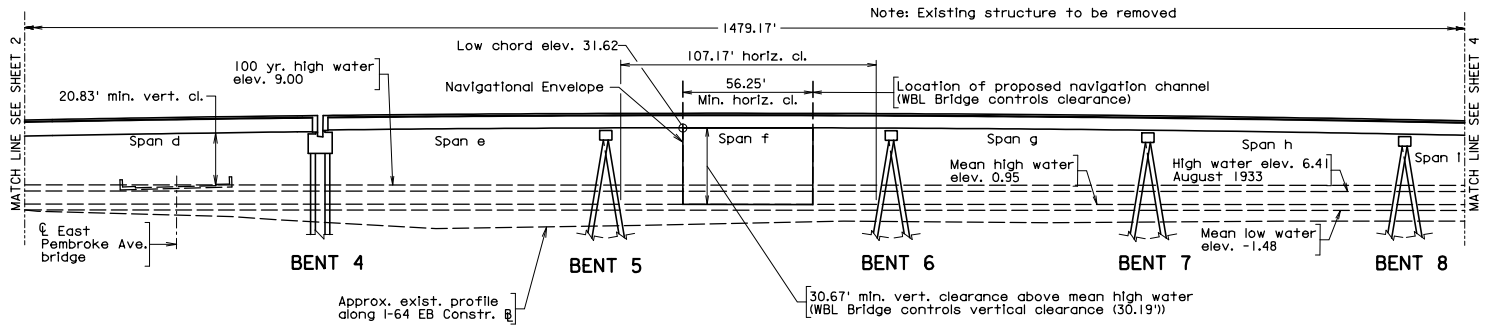




NAD 83



PLAN

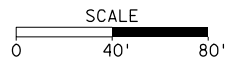


DEVELOPED SECTION ALONG I-64 EB CONSTR.  $\square$

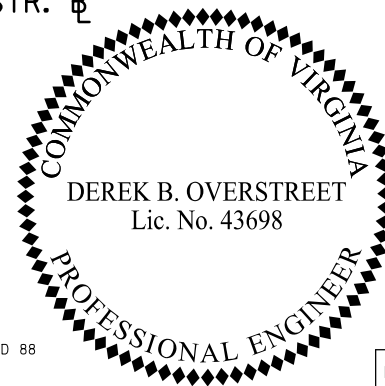


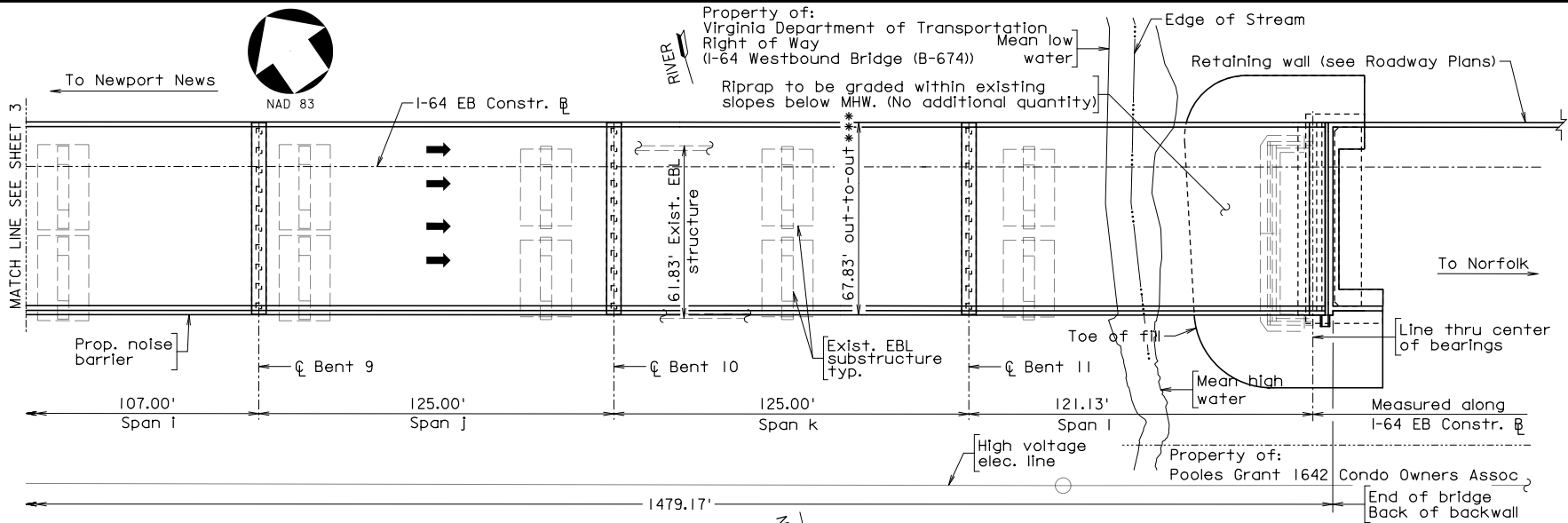
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Vertical Datum: NAVD 88

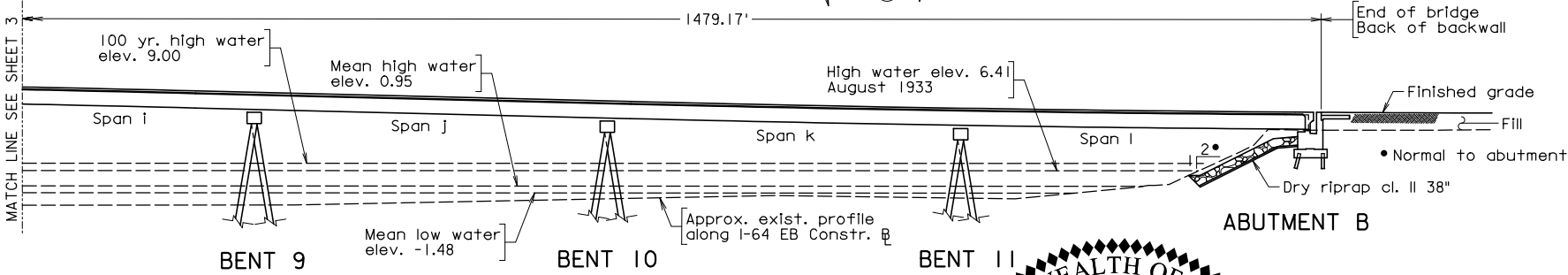




Note: Existing structure to be removed

PLAN

ABUTMENT B



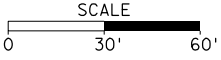
DEVELOPED SECTION ALONG I-64 EB CONSTR.

ABUTMENT B



PROPOSED BRIDGE REPLACEMENT - I-64 EASTBOUND BRIDGE

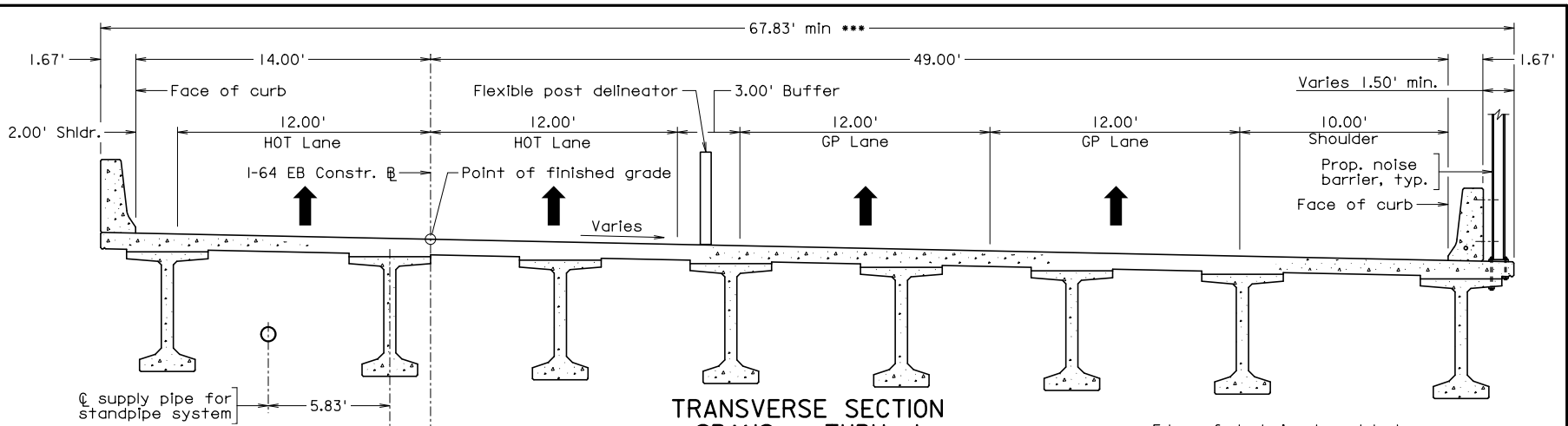
I-64 EBL over River St., Hampton River, East Pembroke Ave.  
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 LOCATION: Hampton River, mile 1.25  
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 STRUCTURAL ENGINEER: STV Incorporated, Richmond VA



Vertical Datum: NAVD 88



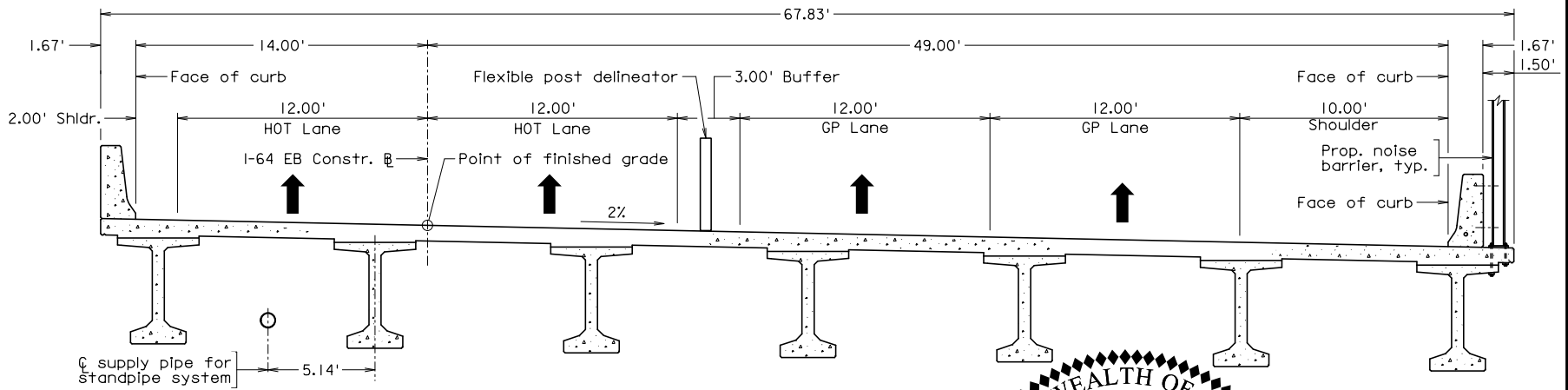




**TRANSVERSE SECTION  
SPANS a THRU d**

All dimensions are measured radial to the I-64 EB Constr.  $\square$  unless otherwise noted.

\*\* Edge of deck is chored between spans.  
\*\*\* Out to out dimension varies.

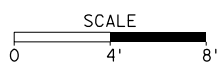


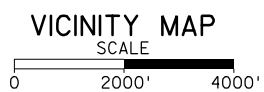
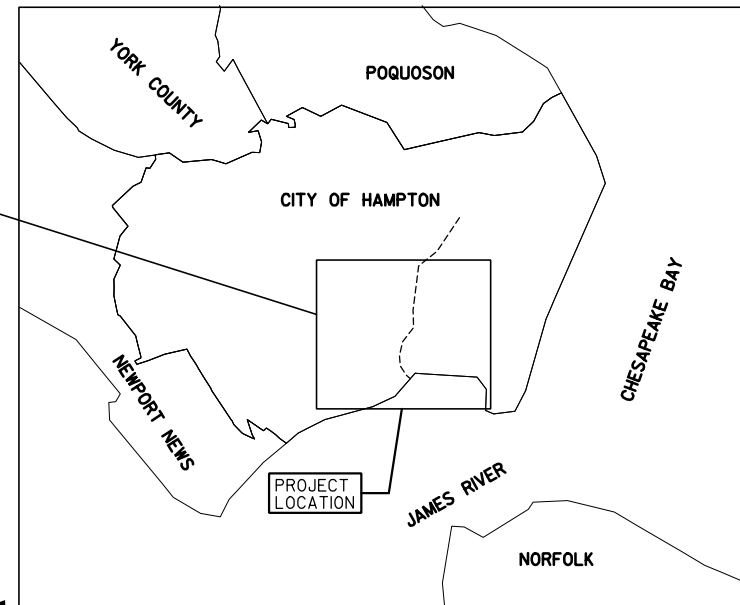
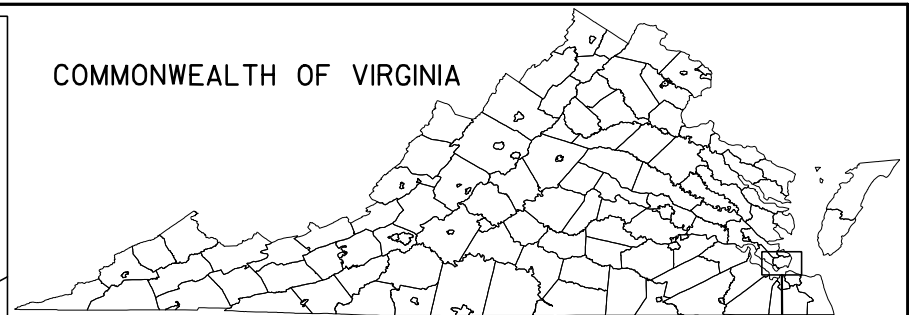
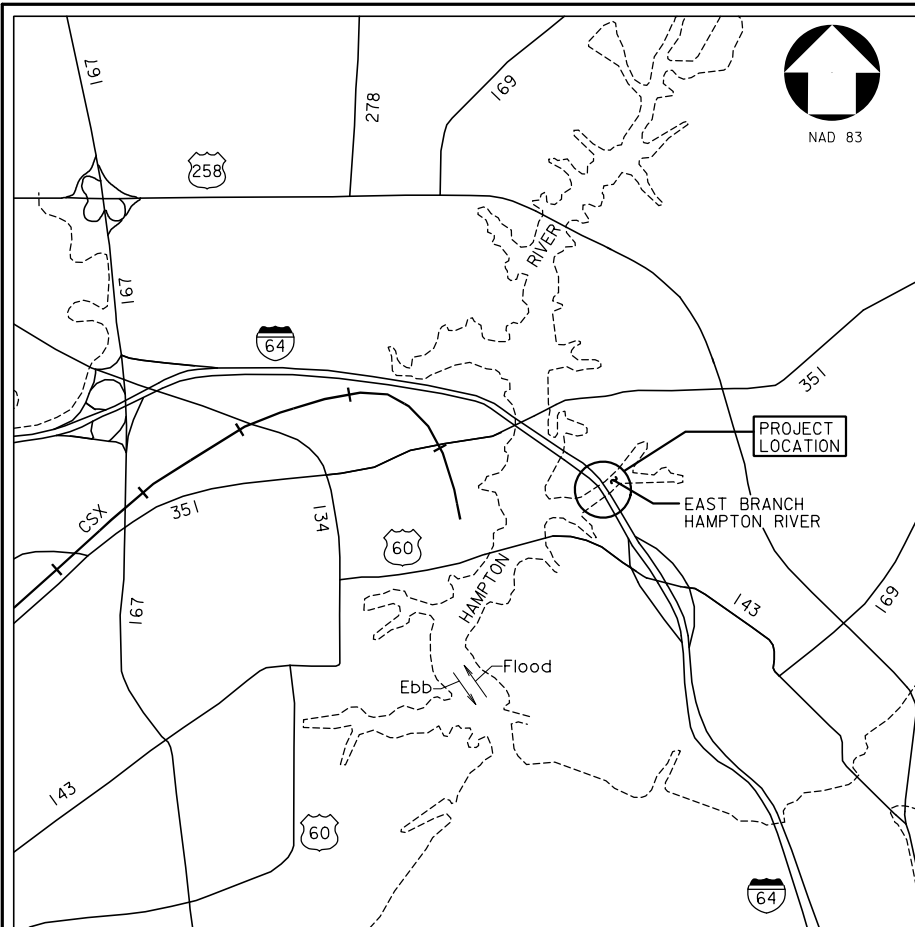
**TRANSVERSE SECTION  
SPANS e THRU i**



**PROPOSED BRIDGE REPLACEMENT - I-64 EASTBOUND BRIDGE**

I-64 EBL over River St., Hampton River, East Pembroke Ave.  
 Located at Hampton, VA  
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 UPC: 119638 VA Structure Number: 2805  
 LATITUDE: 37.0306  
 LONGITUDE: -76.3367  
 STRUCTURAL ENGINEER: STV Incorporated, Richmond VA





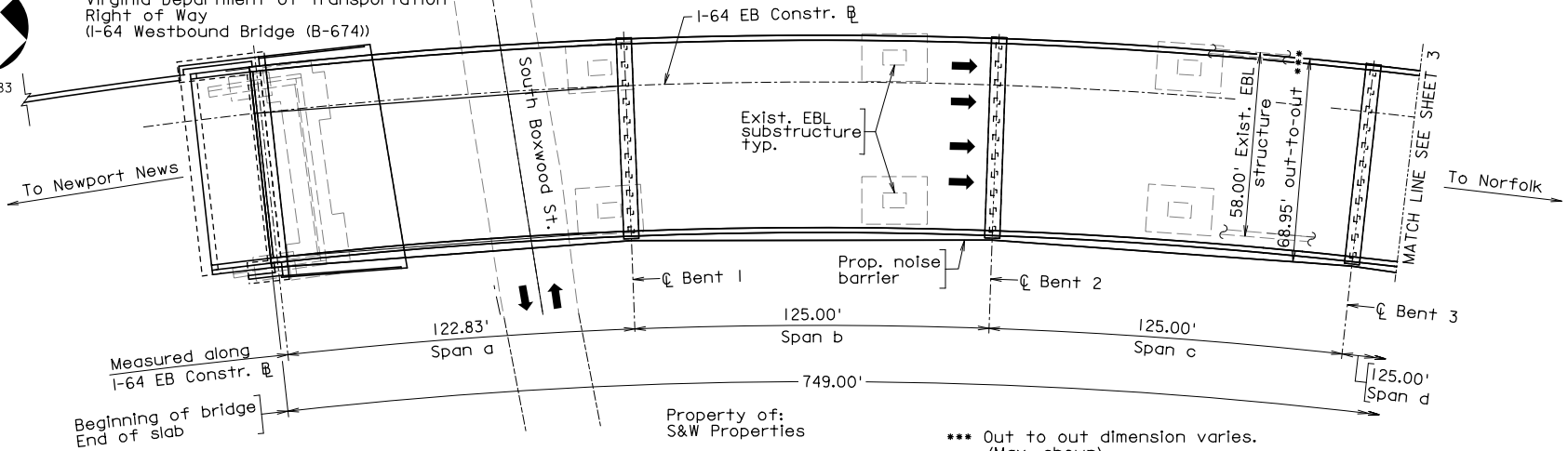
**PROPOSED BRIDGE REPLACEMENT -  
I-64 EASTBOUND BRIDGE**

I-64 EBL over South Boxwood St. and East Branch (of Hampton River)  
 Located at Hampton, VA  
 PROJECT NO.: 0064-114-374, B683H  
 LOCATION: Hampton River, mile 1.25  
 UPC: 119638 VA Structure Number: 2804  
 LATITUDE: 37.0281  
 LONGITUDE: -76.3331  
 STRUCTURAL ENGINEER: STV Incorporated, Richmond VA





Property of:  
Virginia Department of Transportation  
Right of Way  
(I-64 Westbound Bridge (B-674))



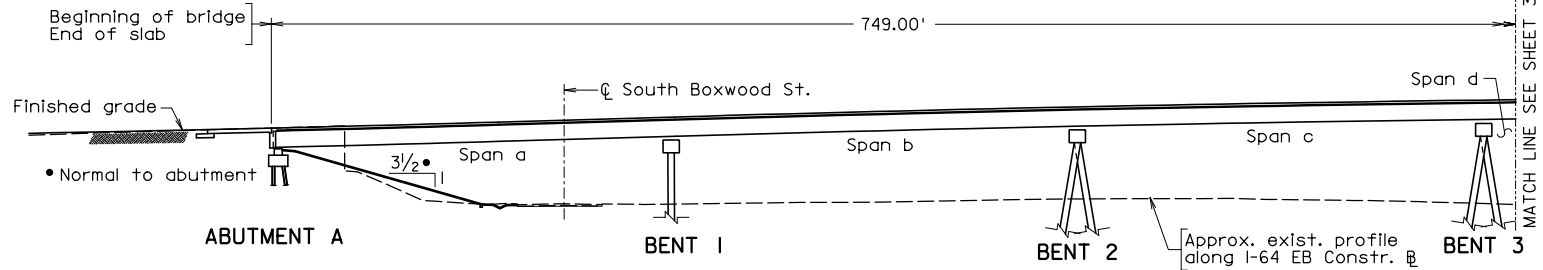
ABUTMENT A

PLAN

\*\*\* Out to out dimension varies.  
(Max. shown)

Note: Existing structure to be removed

Property of:  
Pooles Grant 1642 Condo Owners  
Assoc



DEVELOPED SECTION ALONG I-64 EB CONSTR.



PROPOSED BRIDGE REPLACEMENT - I-64 EASTBOUND BRIDGE

I-64 EBL over South Boxwood St. and East Branch (of Hampton River)  
Located at Hampton, VA  
PROJECT NO.: 0064-114-374, B683H  
LOCATION: Hampton River, mile 1.25  
UPC: 119638 VA Structure Number: 2804  
LATITUDE: 37.0281  
LONGITUDE: -76.3331  
STRUCTURAL ENGINEER: STV Incorporated, Richmond VA



Vertical Datum: NAVD 88





NAD 83

To Newport News

To Norfolk

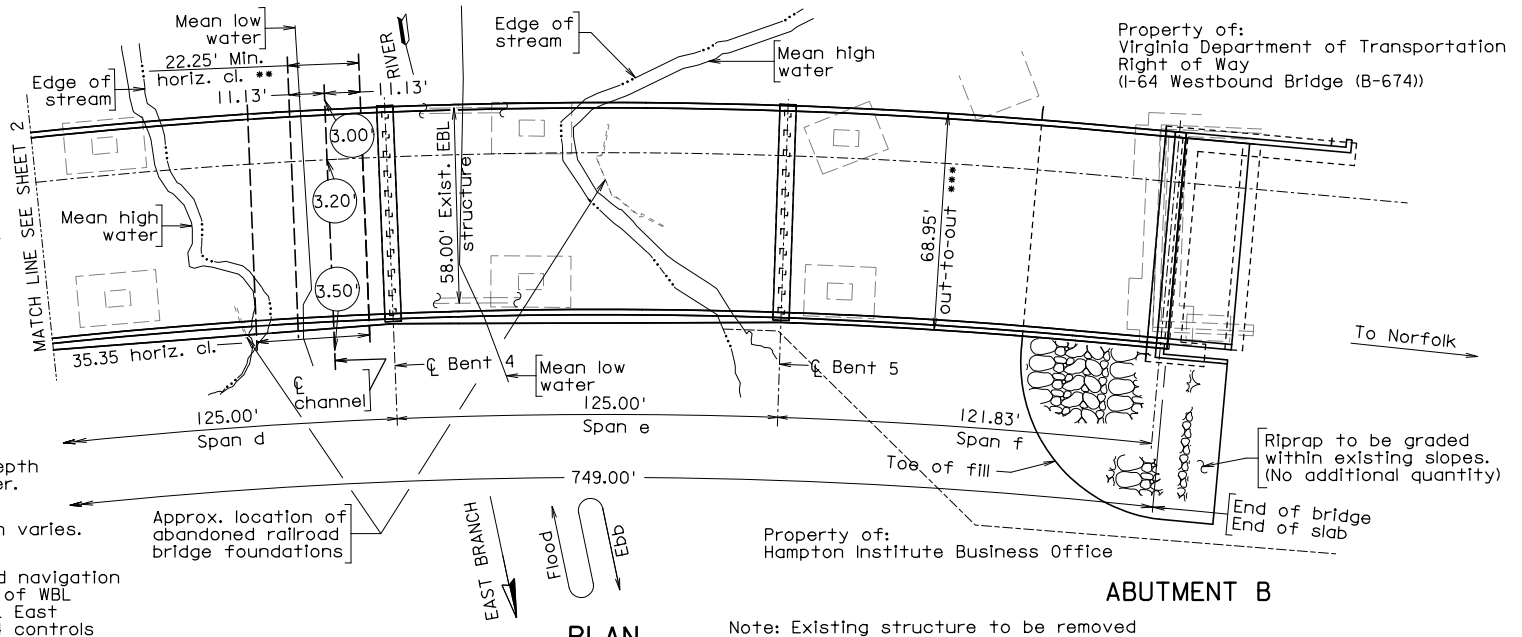
Property of:  
Virginia Department of Transportation  
Right of Way  
(I-64 Westbound Bridge (B-674))

Property of:  
Hampton Institute Business Office

○ Denotes water depth at mean low water.

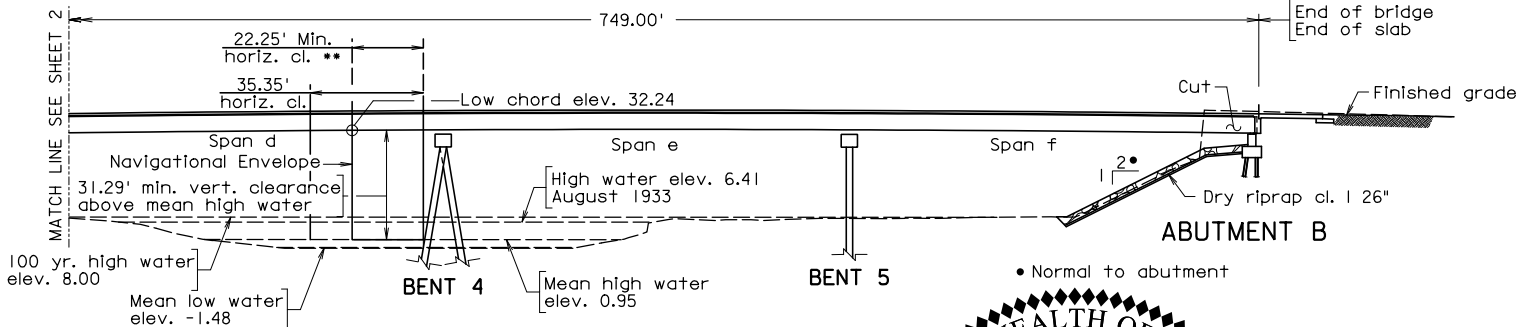
\*\*\* Out to out dimension varies. (Max. shown)

\*\* Location of proposed navigation channel (Combination of WBL Bridge Bent 34 & EBL East Branch Bridge Bent 4 controls clearance)



### PLAN

Note: Existing structure to be removed

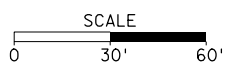


### DEVELOPED SECTION ALONG I-64 EB CONSTR. B



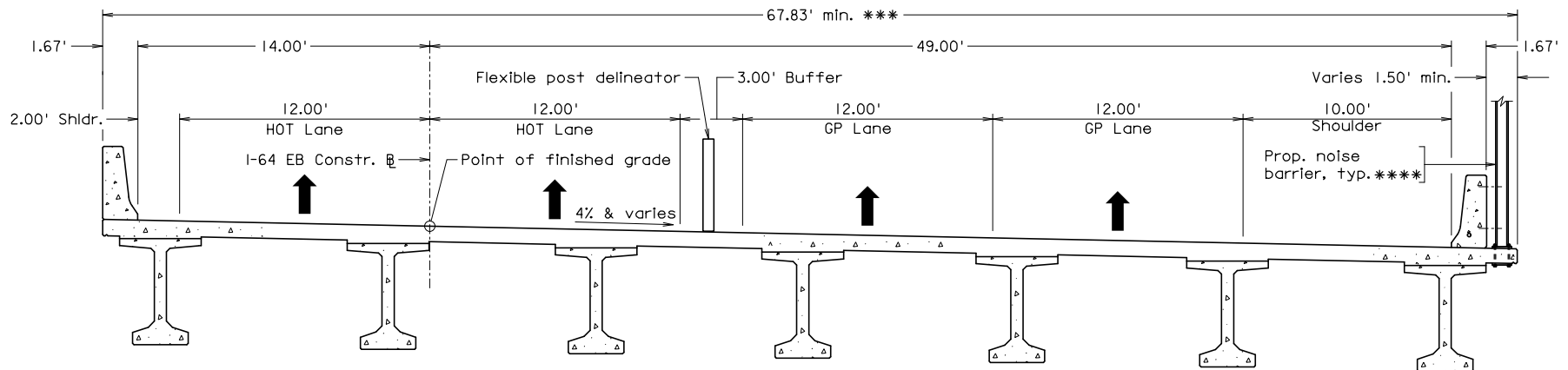
## PROPOSED BRIDGE REPLACEMENT - I-64 EASTBOUND BRIDGE

I-64 EBL over South Boxwood St. and East Branch (of Hampton River)  
 Located at Hampton, VA  
 PROJECT NO.: 0064-114-374, B683H  
 LOCATION: Hampton River, mile 1.25  
 UPC: 119638 VA Structure Number: 2804  
 LATITUDE: 37.0281  
 LONGITUDE: -76.3331  
 STRUCTURAL ENGINEER: STV Incorporated, Richmond VA



Vertical Datum: NAVD 88

DATE: Feb. 5, 2024	Sheet 3 of 4
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**TRANSVERSE SECTION**

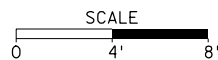
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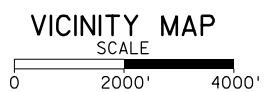
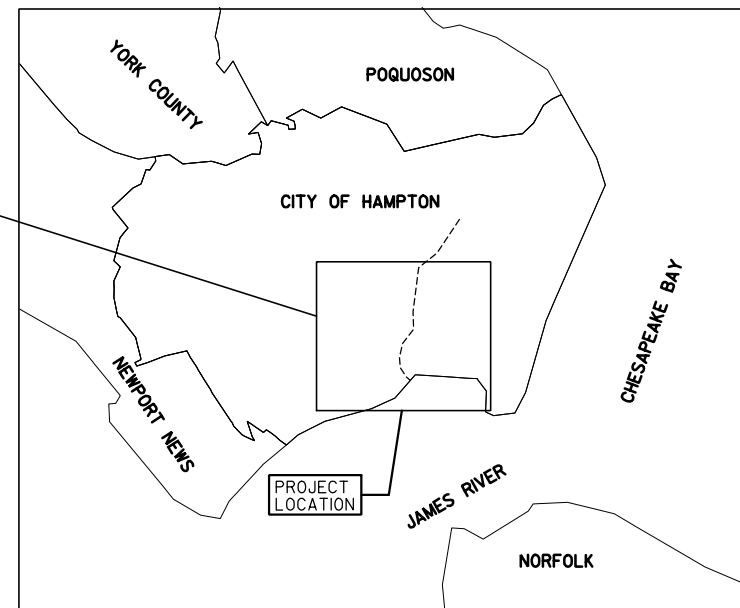
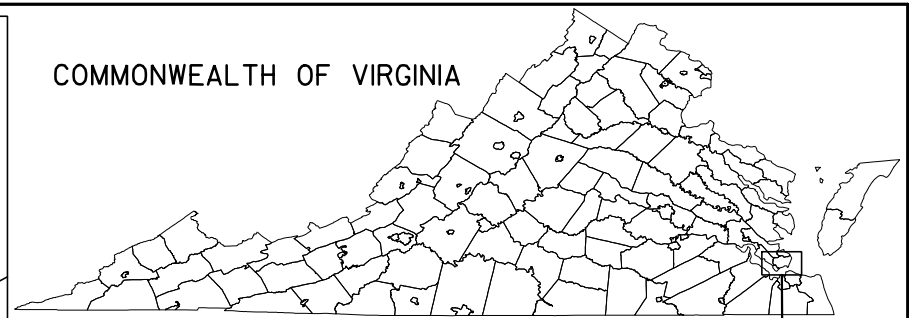
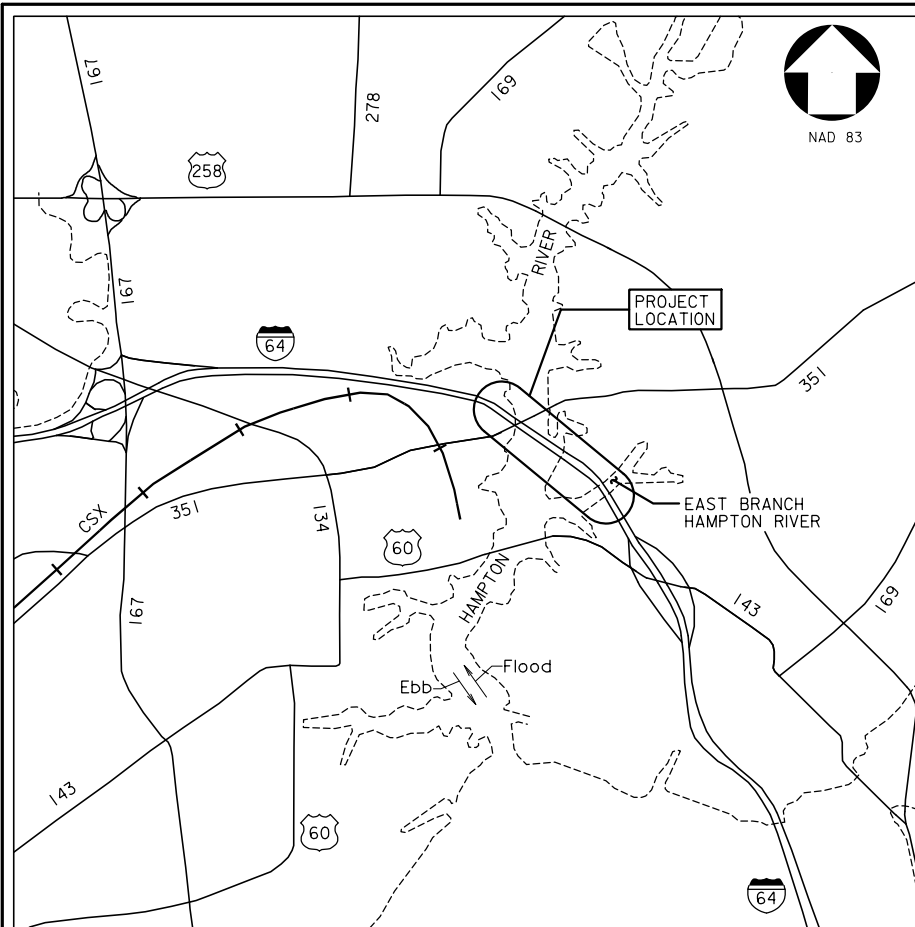
\*\*\*Out to out dimension varies (68.95' max.)  
 \*\*\*\* There is no noise barrier located in Span f.



**PROPOSED BRIDGE REPLACEMENT - I-64 EASTBOUND BRIDGE**

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 STRUCTURAL ENGINEER: STV Incorporated, Richmond VA





**PROPOSED BRIDGE WIDENING -  
I-64 WESTBOUND BRIDGE**

I-64 WBL over River St., Hampton River, East Pembroke Ave.,  
 Located at Hampton, VA  
 South Boxwood St. and East Branch Hampton River  
 PROJECT NO.: 0064-114-374, B674  
 LOCATION: Hampton River, mile 1.25  
 UPC: 119638 VA Structure Number: 2839  
 LATITUDE: 37.0314  
 LONGITUDE: -76.3372  
 STRUCTURAL ENGINEER: STV Incorporated, Richmond VA





NAD 83

Property of:  
Julie M. Beattie

Property of:  
Commonwealth of Virginia

Property of:  
City of Hampton

Beginning of bridge  
End of slab

Measured along  
I-64 WB Constr.  $\square$

Line thru center  
of bearings

I-64 WB  
Constr.  $\square$

To Newport News

ABUTMENT A

Property of:  
Virginia Department of Transportation Right of Way  
(I-64 Eastbound Bridge (B-673))

PLAN

Edge of stream

To Norfolk

Beginning of bridge  
End of slab

Finished grade

ABUTMENT A

PIER 1

PIER 2

BENT 3

BENT 4

BENT 5

BENT 6

BENT 7

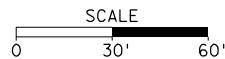
• Normal to abutment

DEVELOPED SECTION ALONG I-64 WB WIDENING



### PROPOSED BRIDGE WIDENING - I-64 WESTBOUND BRIDGE

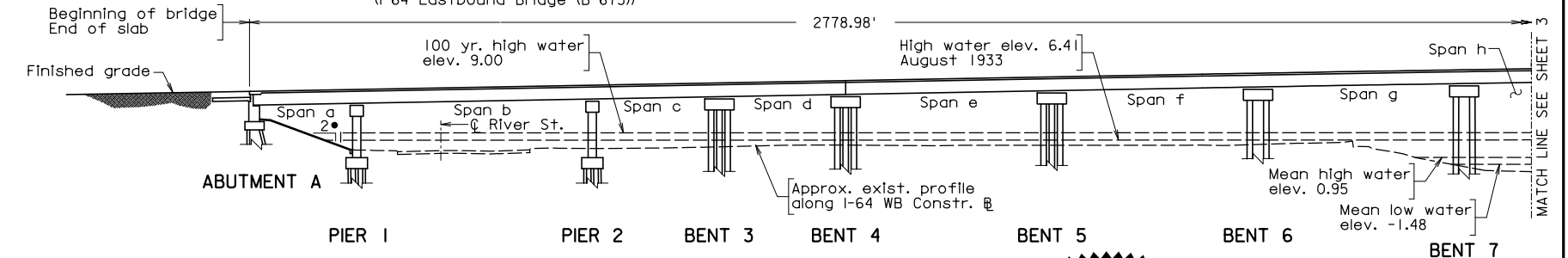
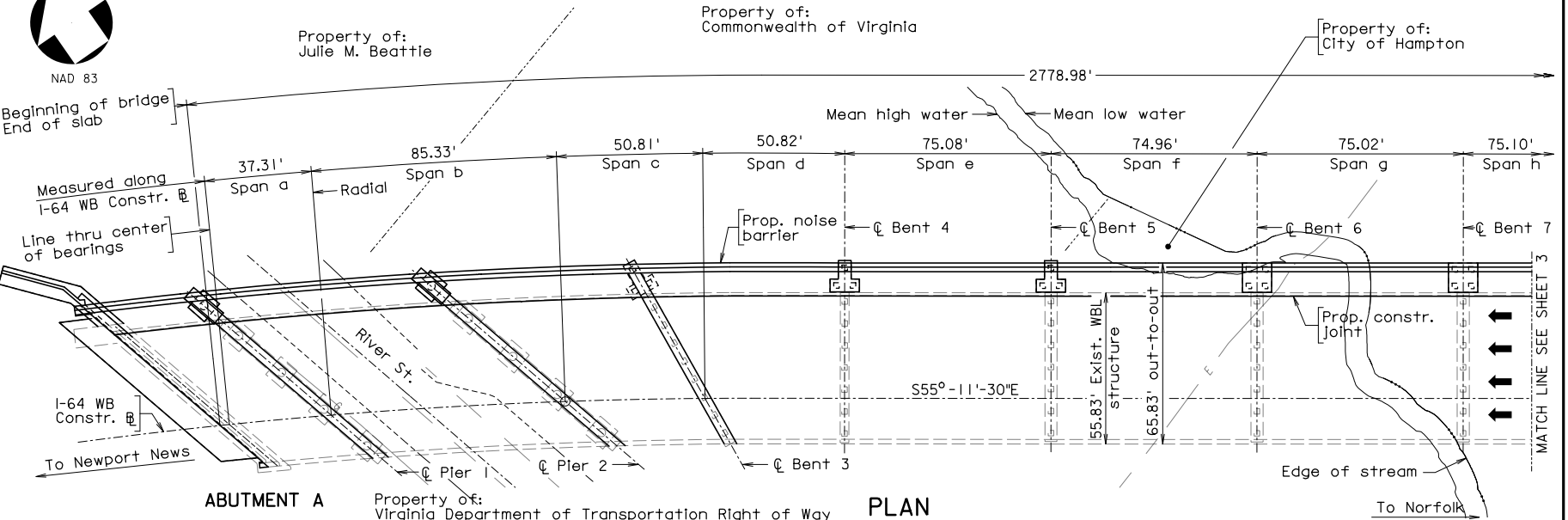
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LONGITUDE: -76.3372  
STRUCTURAL ENGINEER: STV Incorporated, Richmond VA



Vertical Datum: NAVD 88

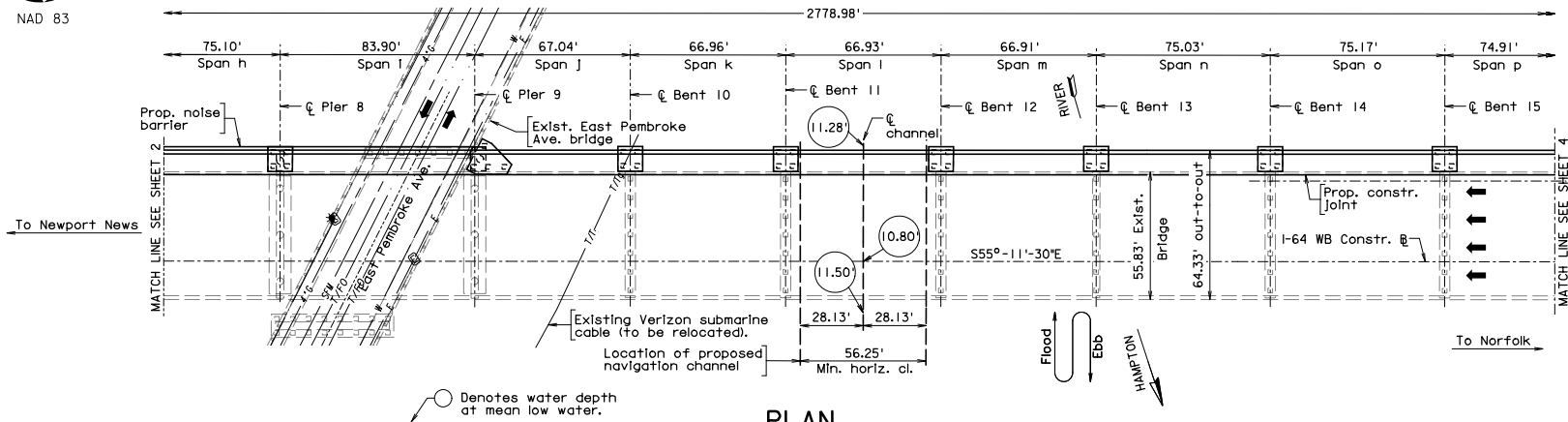


DATE: Feb. 6, 2024 Sheet 2 of 9

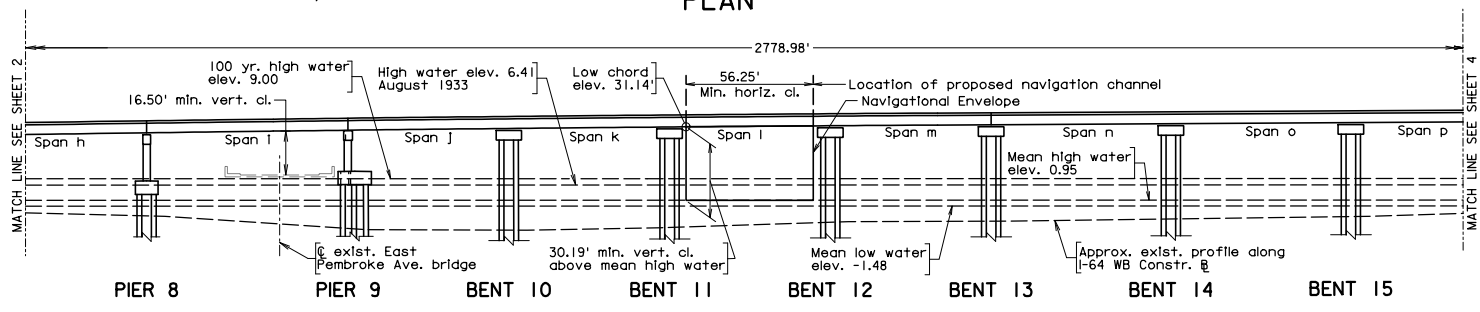




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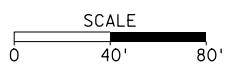
PLAN



DEVELOPED SECTION ALONG I-64 WB WIDENING



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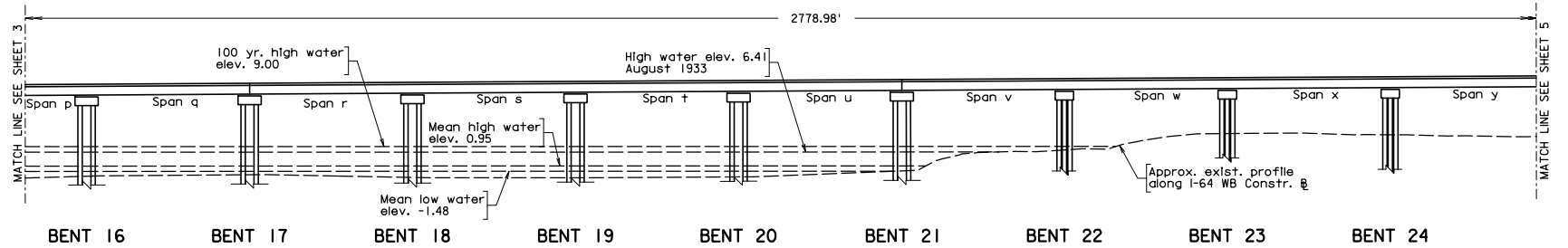
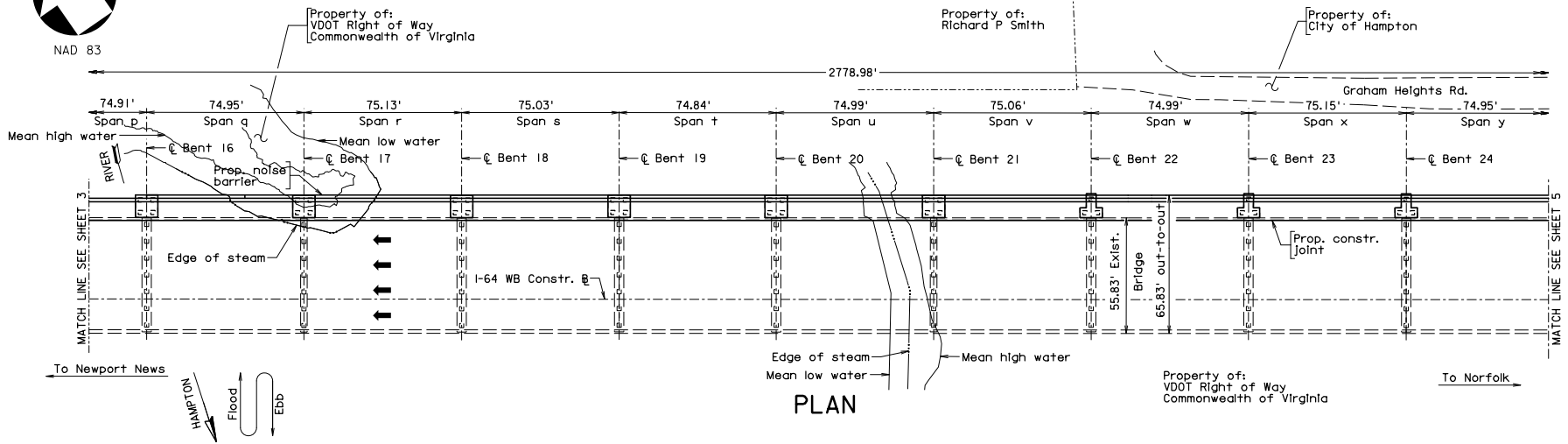
Vertical Datum: NAVD 88







NAD 83

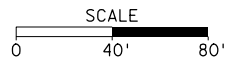


DEVELOPED SECTION ALONG I-64 WB WIDENING



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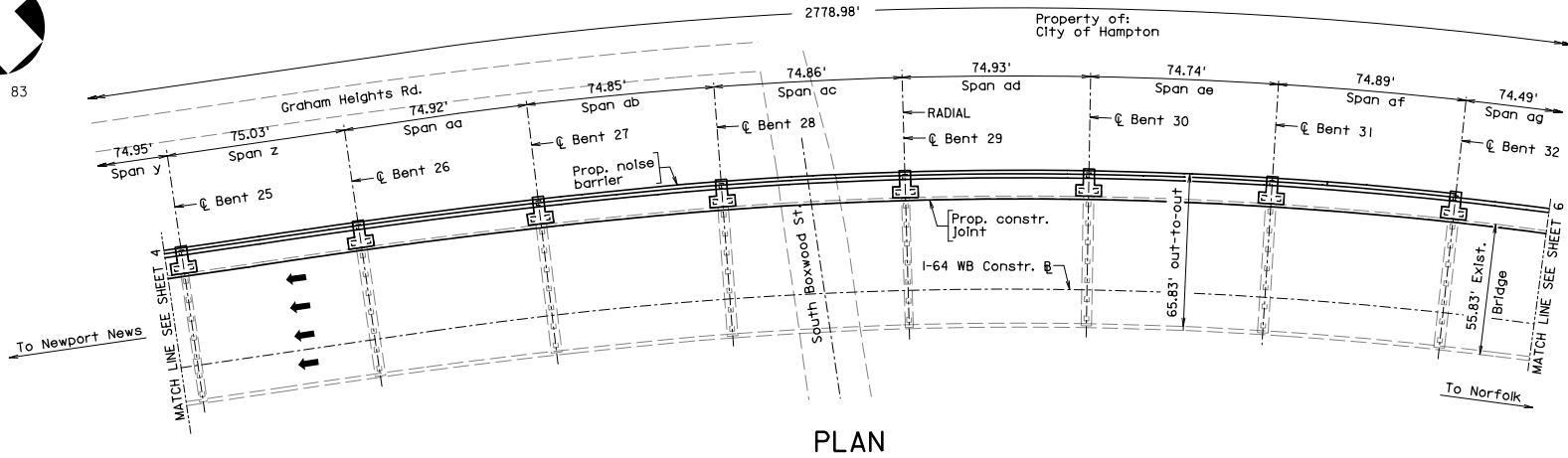


Vertical Datum: NAVD 88

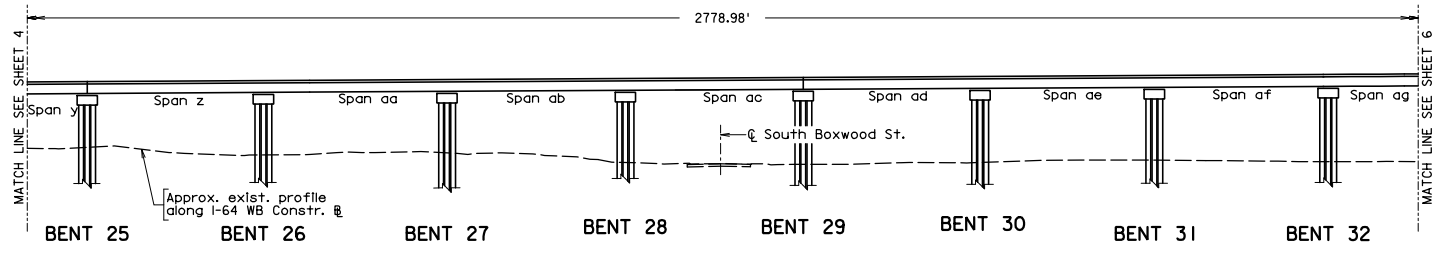




NAD 83



PLAN

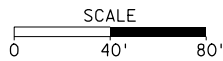


DEVELOPED SECTION ALONG I-64 WB WIDENING



PROPOSED BRIDGE WIDENING - I-64 WESTBOUND BRIDGE

I-64 WBL over River St., Hampton River, East Pembroke Ave.,  
 Located at Hampton, VA  
 South Boxwood St. and East Branch Hampton River  
 PROJECT NO.: 0064-114-374, B674  
 LOCATION: Hampton River, mile 1.25  
 UPC: 119638 VA Structure Number: 2839  
 LATITUDE: 37.0314  
 LONGITUDE: -76.3372  
 STRUCTURAL ENGINEER: STV Incorporated, Richmond VA

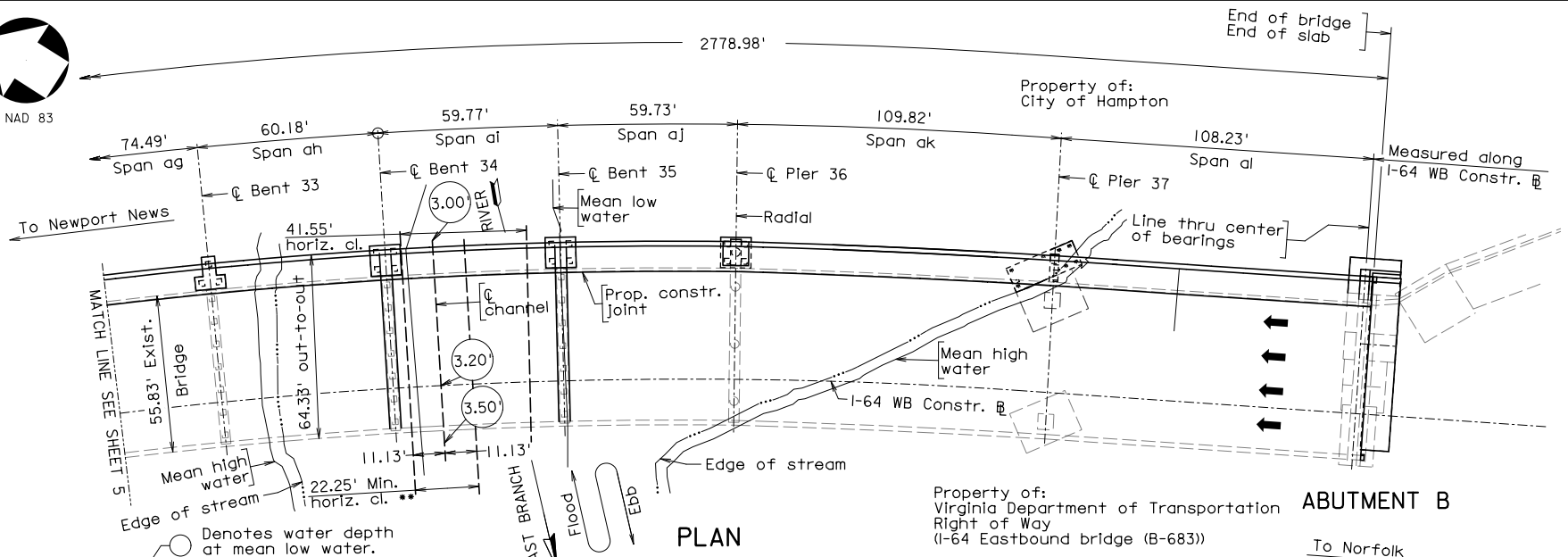


Vertical Datum: NAVD 88

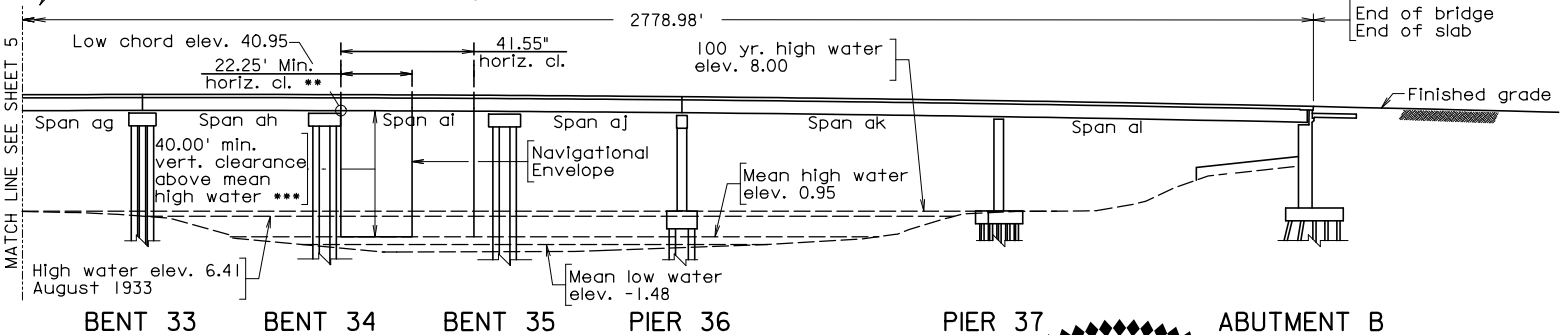




NAD 83



PLAN



DEVELOPED SECTION ALONG I-64 WB WIDENING

\*\* Location of proposed navigation channel (Combination of WBL Bridge Bent 34 & EBL East Branch Bridge Bent 4 controls clearance)

\*\*\* EBL East Branch Bridge controls vertical clearance (31.29')



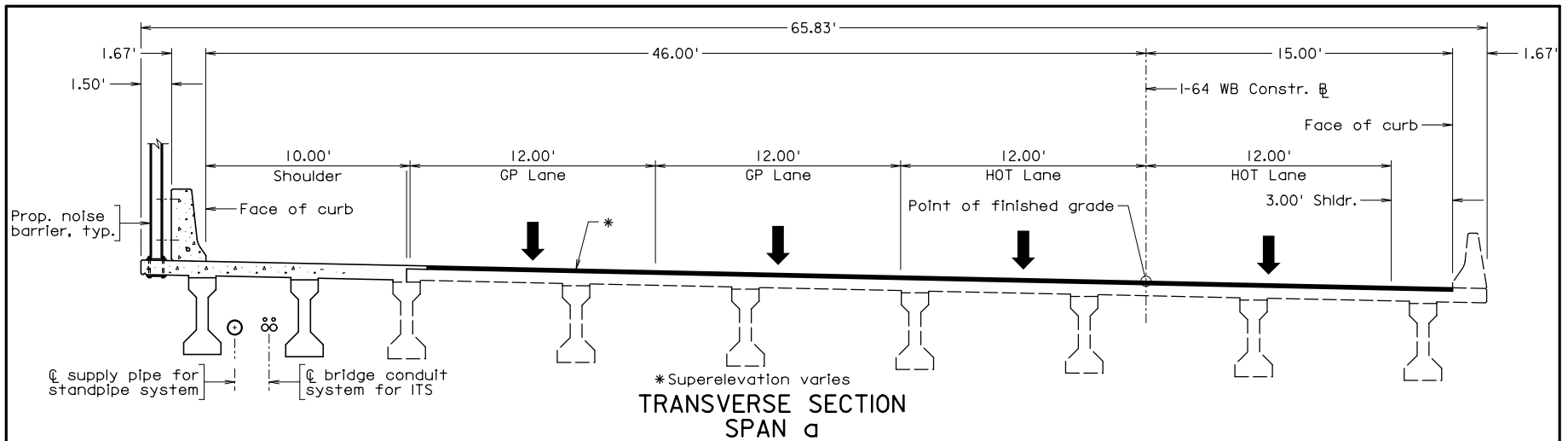
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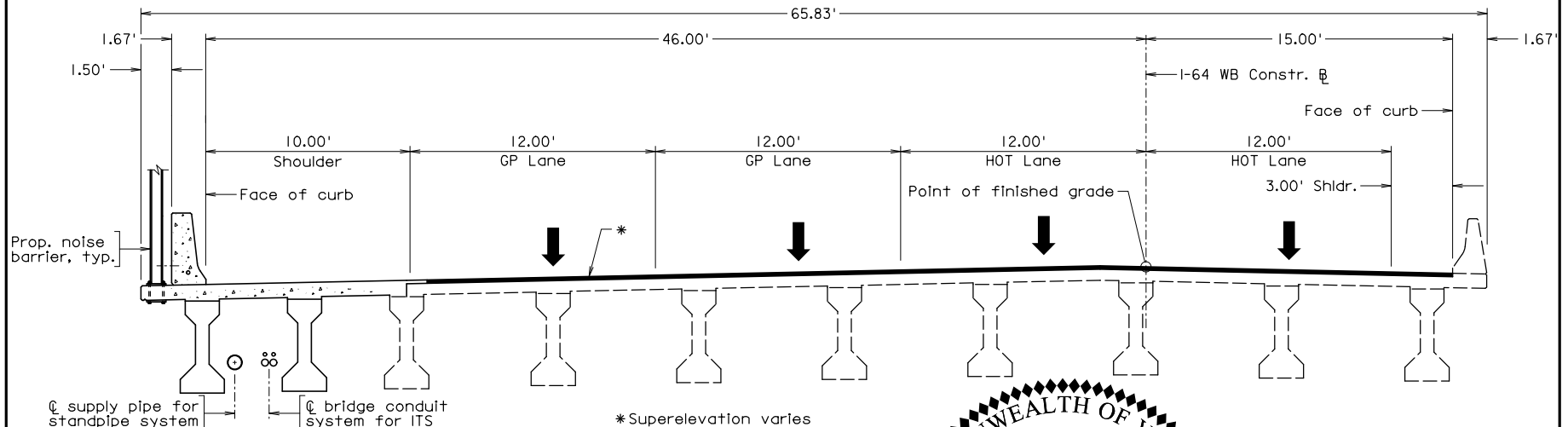


Vertical Datum: NAVD 88





TRANSVERSE SECTION  
SPAN a

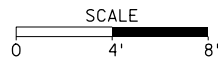


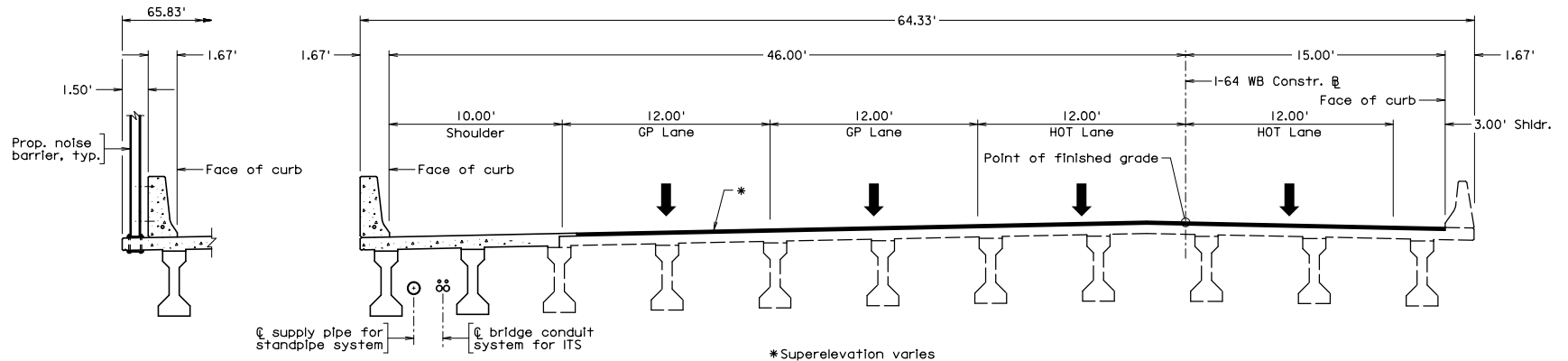
TRANSVERSE SECTION  
SPANS b AND i



PROPOSED BRIDGE WIDENING - I-64 WESTBOUND BRIDGE

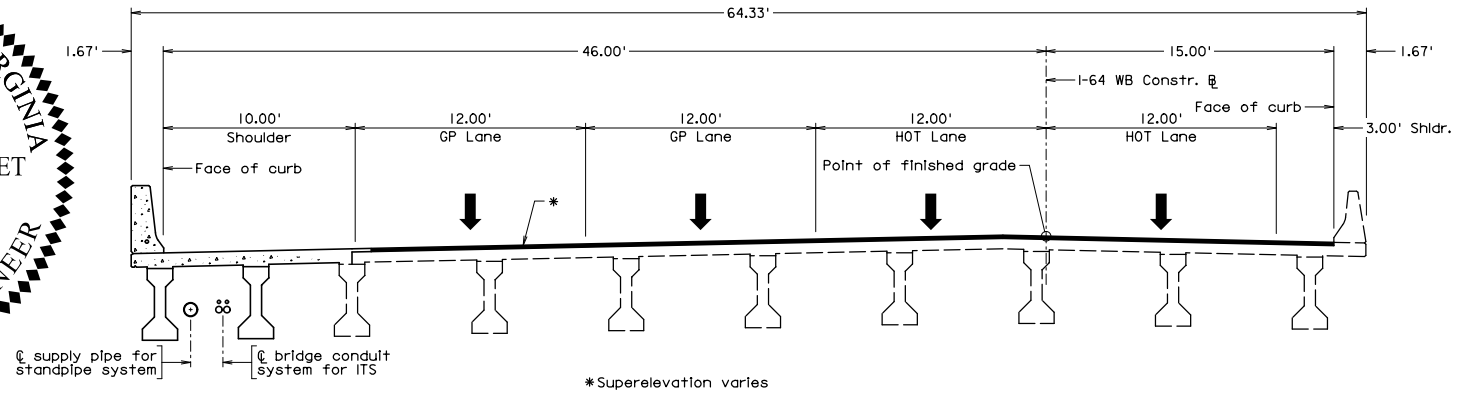
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\*Superelevation varies  
 Note: Noise barrier is located at Spans c thru h and r thru ad

TRANSVERSE SECTION  
 SPANS c THRU h, SPANS q-af,  
 SPANS n-p and ag



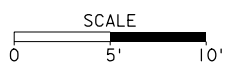
\*Superelevation varies

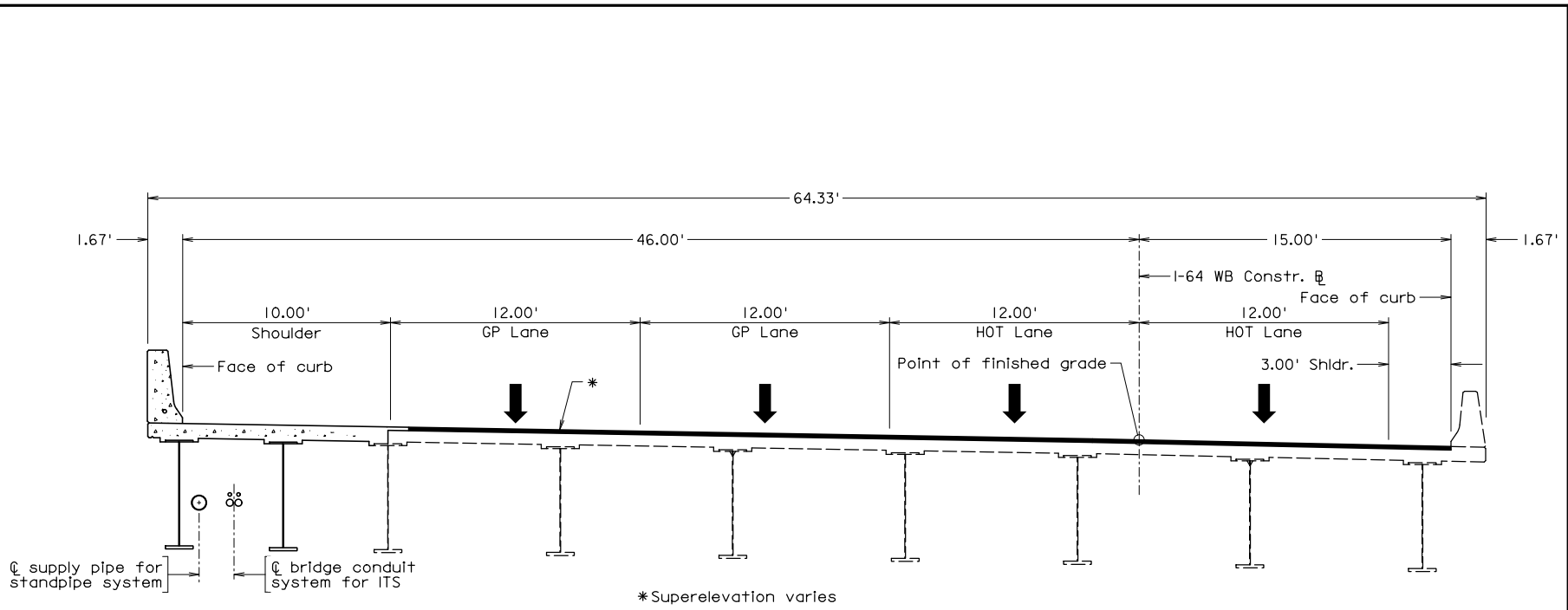
TRANSVERSE SECTION  
 SPANS j THRU m  
 SPANS ah THRU aj



PROPOSED BRIDGE WIDENING - I-64 WESTBOUND BRIDGE

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TRANSVERSE SECTION  
SPANS ak AND al



PROPOSED BRIDGE WIDENING - I-64 WESTBOUND BRIDGE  
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