



**US Army Corps  
of Engineers**

Vicksburg District  
4155 Clay Street  
Vicksburg, MS 39183-3435  
www.mvk.usace.army.mil



# Public Notice

|                  |                                 |
|------------------|---------------------------------|
| APPLICATION NO.: | MVK-2019-363                    |
| EVALUATOR:       | Ms. Tarmiko Graham              |
| PHONE NO.:       | (601) 631-5540                  |
| E-MAIL:          | Tarmiko.V.Graham@usace.army.mil |
| DATE:            | August 14, 2019                 |
| EXPIRATION DATE: | September 4, 2019               |

Interested parties are hereby notified that the U.S. Army Corps of Engineers, Vicksburg District is considering an application for a Department of the Army permit for the work described herein. Comments should be forwarded to the Vicksburg District, Attention: CEMVK-OD-F, 4155 Clay Street, Vicksburg, Mississippi 39183-3435.

Interested parties are hereby notified that the U.S. Army Corps of Engineers, Vicksburg District, and the Arkansas Department of Environmental Quality, are considering an application for a Department of the Army permit and State water quality certification for the work described herein. Comments should be forwarded to the Vicksburg District, Attention: CEMVK-OD-F, at the above address, and the Arkansas Department of Environmental Quality, Post Office Box 8913, Little Rock, Arkansas 72219-8913, and must reach these offices by the cited expiration date.

Law Requiring a Permit: Section 404 of the Clean Water Act (33 U.S.C. 1344), which applies to discharges of dredged and/or fill material into waters of the United States.

Name of Applicant:

Kevin Rice  
Union Pacific Railroad  
1400 Douglas Street, Stop 0910  
Omaha, Nebraska 68179

Name of Agent:

Paige Anderson  
Olsson  
601 P Street, Suite 200  
Lincoln, Nebraska 68508

Location of Work: Section 13, Township 16S- Range 24W, Latitude 33.3586, Longitude -93.5316, within Bodcau Bayou Drainage Basin (8-digit USGS HUC 11140205 LaFayette County, Arkansas.

**Description of Work:** (See enclosed map and drawings.)

The following descriptions of the proposed project and associated impacts are based upon information provided by the applicant.

The applicant is applying for a Department of the Army permit for the replacement of Union Pacific Railroad (UPRR) Bridge 386.34 on the Pine Bluff Subdivision. The purpose of this bridge replacement is to continuously maintain safe, efficient and reliable railroad operations through this area in southwest Arkansas.

Access to Bridge 386.84 would require the use of a minimum maintenance road. This road would require improvements, including widening and placement of rock to allow for equipment to access the bridge. In order to replace Bridge 386.84, a 100-foot wide by 1,106-foot long construction area around the bridge is required. This construction area would allow for material staging and necessary equipment use throughout construction.

In order to access the entire length of the bridge, four temporary causeways would be utilized to cross the two waterways identified. Two temporary causeways would be required for each waterway (one on north side and one on south side of bridge). These temporary causeways would be built using Type I rock riprap (9 to 14-inch diameter) and Corrugated Metal Pipe (CMP) culverts, which would maintain flow, to allow for aquatic life movements, throughout construction. The temporary causeways would result in temporary impacts to the waterways.

Due to the shortening of the bridge, there would be approximately 15 cubic yards (0.01 acres) of fill (Type I rock riprap) permanently placed below Stream 2's OHWM to armor the proposed abutment (Proposed Bridge – Upstream Face Profile, Figure 9A). The fill would be placed along the edge of the waterway and would not result in the loss of linear footage of the waterway.

No indirect and/or cumulative impacts of the proposed project are anticipated. As a result, there would be 0.16 acres of permanent impacts to Wetland A, 0.03 acres of permanent impacts to Wetland B, 0.02 acres of permanent impacts to Wetland C, 0.43 acres of permanent impacts to Wetland D, and 0.7 acres of permanent impacts to Wetland E. The temporary causeways would result in 100 linear feet of temporary impacts to Stream 1 and 180 linear feet of temporary impacts to Stream 2.

| Waterbody Type        | Acres of Impact Permanent | Linear feet of Impact Temporary |
|-----------------------|---------------------------|---------------------------------|
| Non-forested wetland  | 0.21                      | --                              |
| Forested wetland      | 1.13                      | --                              |
| Perennial stream 1    | --                        | 100                             |
| Intermittent stream 2 | 0.01                      | 180                             |
| <b>Total:</b>         | <b>1.35</b>               | <b>280</b>                      |

The vegetative communities within the wetland areas are Longspike tridens, Wool grass, Sedges, Common rush, Dwarf hairgrass, Dark green bulrush, Water oak, Sweet gum and Bald Cypress. Soil within the wetland areas consists of Sawyer silt loam and Guyton silt loam.

The applicant proposes to mitigate for the unavoidable loss of jurisdictional impacts through a mitigation bank.

Upon reviewing this notice, you should write to this office to provide your opinion of the impacts this work would have on the natural and human environment and address any mitigation you believe is necessary to offset these impacts. Other comments are welcome, but the above information would further our review of the applicant's plan as proposed. Comments of a general nature are not as helpful as those specific to the impacts of the subject project.

**State Water Quality Permit:** The State Pollution Control Agency must certify that the described work would comply with the State's water quality standards and effluent limitations before a Corps permit is issued.

**Cultural Resources:** The Regulatory Archaeologist has reviewed the latest published version of the National Register of Historic Places, state lists of properties determined eligible, and other sources of information. The Regulatory office is coordinating with the State Historic Preservation Officer, Federally-recognized Tribes, and other interested parties regarding potential effects to historic properties that could result from the proposed activity. A cultural resources survey is being conducted to determine the presence or absence of historic properties.



**Endangered Species:** Our initial finding is that the proposed work would not affect the following endangered species or their critical habitats: Piping plover and Red-cockaded woodpecker. This proposal is being coordinated with the U.S. Fish and Wildlife Service, and any comments regarding endangered species or their critical habitat would be addressed in our evaluation of the described work.

**Flood Plain:** In accordance with 44 CFR Part 60 (Flood Plain Management and Use), participating communities are required to review all proposed development to determine if a flood plain development permit is required. Flood plain administrators should review the proposed development described in this public notice and apprise this office of any flood plain development permit requirements. Portions of the project are within the 100 year floodplain.

**Evaluation Factors:** The decision whether or not to issue a permit would be based upon an evaluation of the probable impact of the proposed activity on the public interest. That decision would reflect the national concern for both protection and utilization of important resources. The benefits which may be expected to accrue from the proposal must be balanced against its expected adverse effects. All factors which may be relevant to the proposal would be considered; among these are conservation, economics, aesthetics, general environmental concerns, historic values, fish and wildlife values, flood damage prevention, land use classification, navigation, recreation, water supply, water quality, energy needs, safety, food requirements and, in general, the needs and welfare of the people. Evaluation of the proposed activity would include application of the guidelines published by the Environmental Protection Agency under authority of Section 404(b) of the Clean Water Act.

**Public Involvement:** The purpose of this notice is to solicit comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties. These comments would be used to evaluate the impacts of this project. All comments would be considered and used to help determine whether to issue the permit, deny the permit, or issue the permit with conditions, and to help us determine the amount and type of mitigation necessary. This information would be used in our Environmental Assessment or Impact Statement. Comments are also used to determine the need for a public hearing.

**Opportunity for a Public Hearing:** Any person may make a written request for a public hearing to consider this permit application. This request must be submitted by the public notice expiration date and must clearly state why a hearing is necessary. Failure of any agency or individual to comment on this notice would be interpreted to mean that there is no objection to the proposed work. Please bring this announcement to the attention of anyone you know who might be interested in this matter.

**Notification of Final Permit Actions:** Each month, the final permit actions from the preceding month are published on the Vicksburg District Regulatory web page. To access this information, you may follow the link from the Regulatory web page, <http://www.mvk.usace.army.mil/Missions/Regulatory.aspx>.

*Thomas A McCabe*  
**Thomas A. McCabe**  
**Chief, Evaluation Section**  
**Regulatory Branch**



# Project Site Lafayette County, AR Preliminary Jurisdictional Determination



## Legend

-  Project Boundary
-  PFOA wetlands - 3.12 acres
-  PSSA wetlands - 1.89 acres
-  PEMA wetlands - 0.31

THERE ARE JURISDICTIONAL WATERS OF THE U.S. IDENTIFIED WITHIN THE PROPOSED PROJECT BOUNDARY, THUS A PERMIT IS REQUIRED



US Army Corps of Engineers



**Regulatory  
Branch**

**Enforcement  
Section**

**Enclosure 1**

**June 14, 2019**

Aerial Imagery:  
ESRI World Imagery

GPS Coordinates:  
Lat:33.355766 Long:-93.533981

Pinebluff Arkansas  
Request for Wetland Determination  
Lafayette County, AR

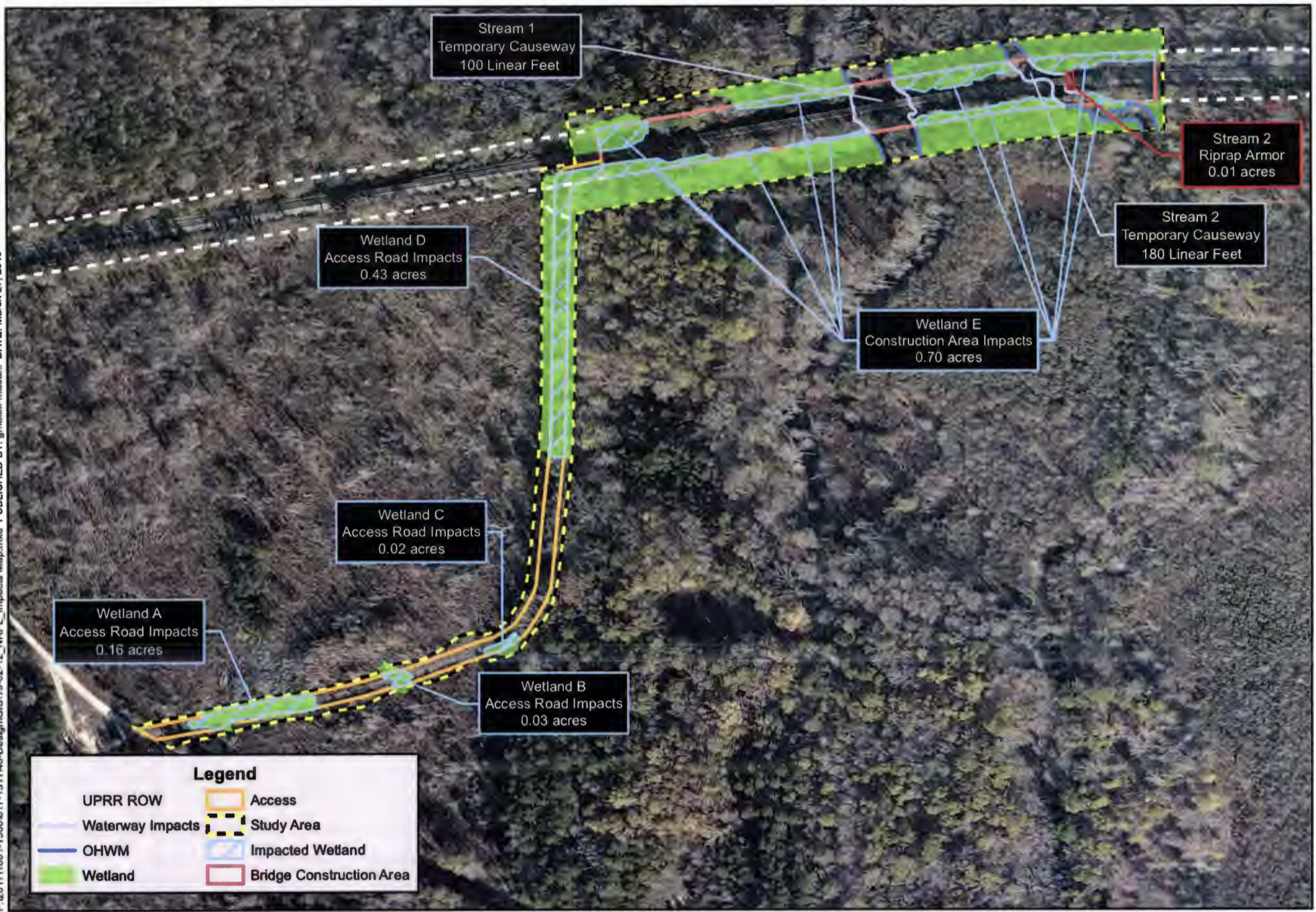
**MVK-2019-363**

**Permit Required**

Produced by:  
Will Pigott



F:\2017\1001-1500\017-1311\40-Design\GIS\19-02-12\_NRP\Impacts Map.mxd PUBLISHED BY: gmatlek-madani DATE: March 27, 2019



**Legend**

|                  |                          |
|------------------|--------------------------|
| UPRR ROW         | Access                   |
| Waterway Impacts | Study Area               |
| OHWM             | Impacted Wetland         |
| Wetland          | Bridge Construction Area |



N  
 0 65 130 260  
 1" = 260'  
 Original Published Resolution  
 NAD 1983 UTM Zone 15N  
 ESRI World Imagery

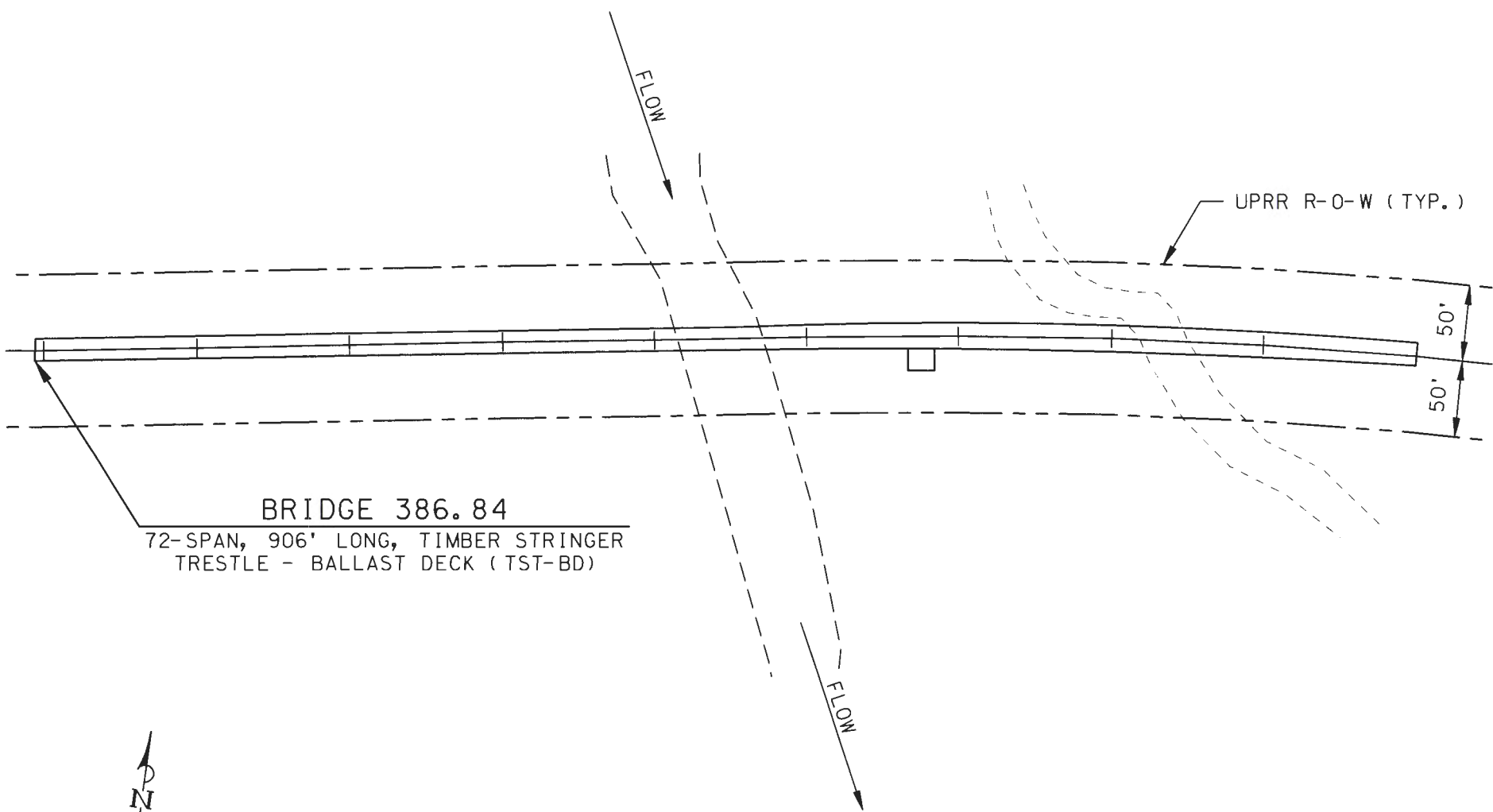
UPRR Bridge 386.84  
 Pine Bluff Subdivision  
 Lafayette County, Arkansas  
 Alternative 2 (Preferred)

FIGURE  
 5



← TO LEWISVILLE &  
BIG SANDY  
(TIMETABLE WEST)

→ TO STAMPS &  
PINE BLUFF YD.  
(TIMETABLE EAST)



APPROX. GEOGRAPHIC NORTH

PROJECT: 017-1311  
DRAWN BY: DC  
DATE: 2/8/18

### SCHEMATIC VIEW OF SITE



FIGURE  
7

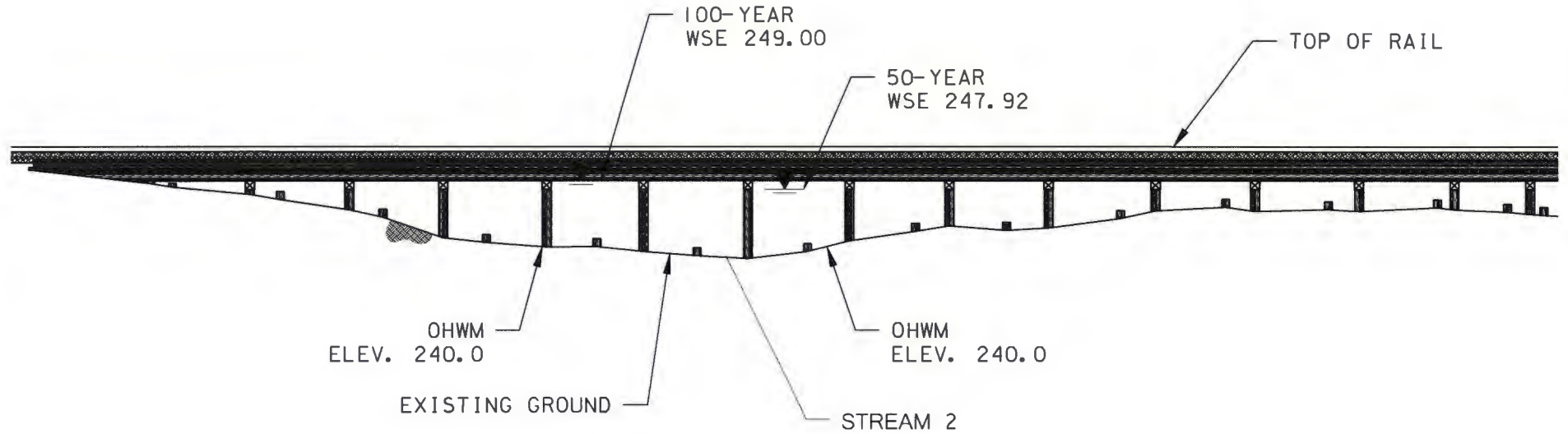


← TO STAMPS &  
PINE BLUFF YD.  
(TIMETABLE EAST)

TO LEWISVILLE &  
BIG SANDY  
→ (TIMETABLE WEST)

# BRIDGE 386.84 - PINE BLUFF SUBDIVISION

EXISTING: 72-SPAN, 906' LONG, TIMBER STRINGER TRESTLE - BALLAST DECK (TST-BD)



NAVD 1988  
BODCAU CREEK

PROJECT: 017-1311  
DRAWN BY: DC  
DATE: 2/8/18

EXISTING BRIDGE - UPSTREAM FACE PROFILE



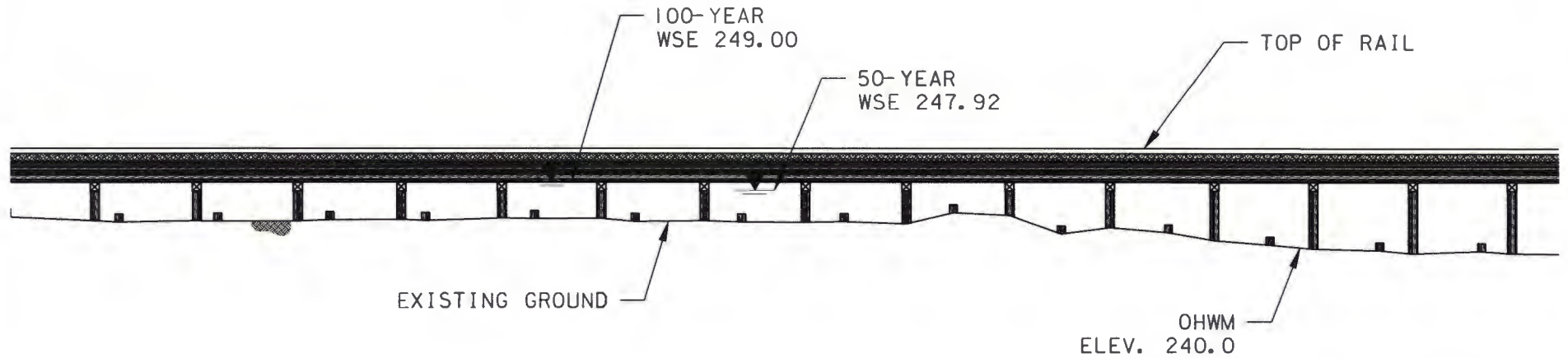
FIGURE  
8A

← TO STAMPS &  
PINE BLUFF YD.  
(TIMETABLE EAST)

TO LEWISVILLE &  
BIG SANDY  
(TIMETABLE WEST) →

# BRIDGE 386.84 - PINE BLUFF SUBDIVISION

EXISTING: 72-SPAN, 906' LONG, TIMBER STRINGER TRESTLE - BALLAST DECK (TST-BD)



NAVD 1988  
BODCAU CREEK

PROJECT: 017-1311  
DRAWN BY: DC  
DATE: 2/8/18

EXISTING BRIDGE - UPSTREAM FACE PROFILE



FIGURE  
8B

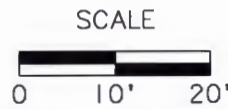
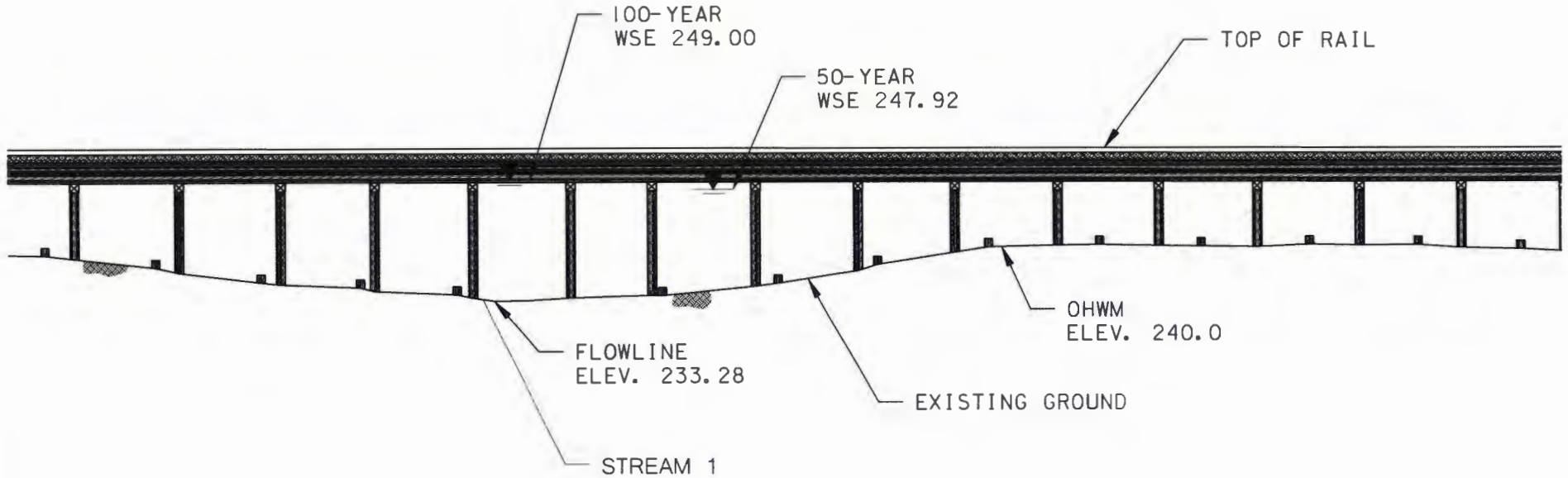


← TO STAMPS &  
PINE BLUFF YD.  
(TIMETABLE EAST)

TO LEWISVILLE &  
BIG SANDY  
→ (TIMETABLE WEST)

# BRIDGE 386.84 - PINE BLUFF SUBDIVISION

EXISTING: 72-SPAN, 906' LONG, TIMBER STRINGER TRESTLE - BALLAST DECK (TST-BD)



NAVD 1988  
BODCAU CREEK

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EXISTING BRIDGE - UPSTREAM FACE PROFILE



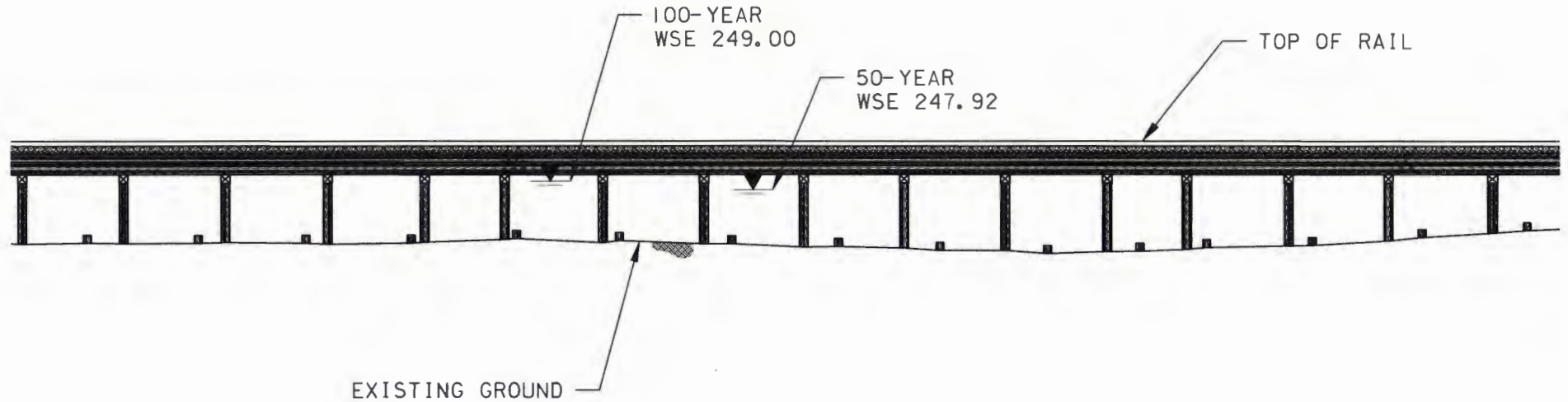
FIGURE  
8C

← TO STAMPS &  
PINE BLUFF YD.  
(TIMETABLE EAST)

TO LEWISVILLE &  
BIG SANDY  
→ (TIMETABLE WEST)

# BRIDGE 386.84 - PINE BLUFF SUBDIVISION

EXISTING: 72-SPAN, 906' LONG, TIMBER STRINGER TRESTLE - BALLAST DECK (TST-BD)



NAVD 1988  
BODCAU CREEK

PROJECT: 017-1311  
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DATE: 2/8/18

EXISTING BRIDGE - UPSTREAM FACE PROFILE



FIGURE  
8D

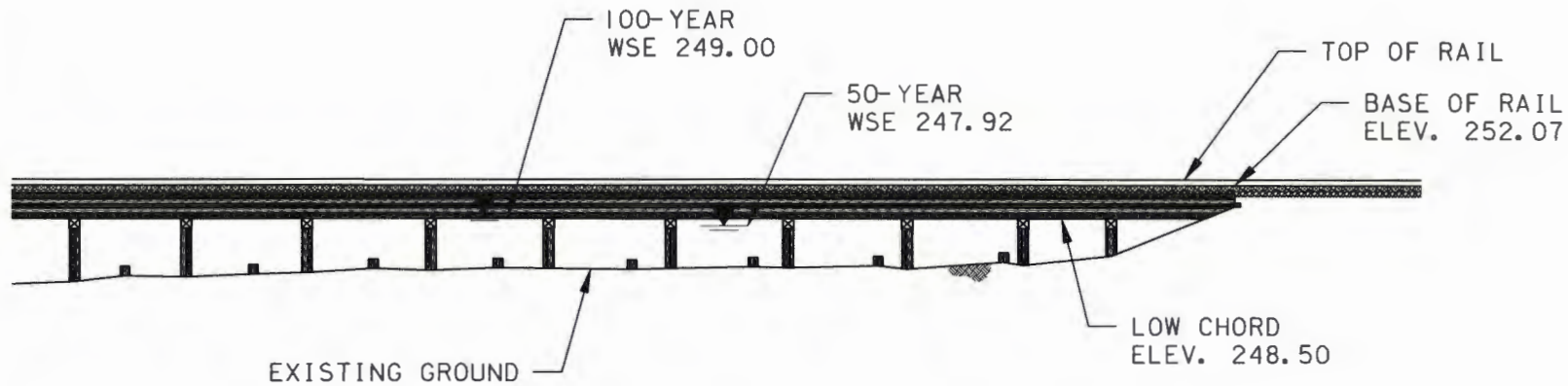


← TO STAMPS &  
PINE BLUFF YD.  
(TIMETABLE EAST)

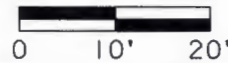
TO LEWISVILLE &  
BIG SANDY  
→ (TIMETABLE WEST)

# BRIDGE 386.84 - PINE BLUFF SUBDIVISION

EXISTING: 72-SPAN, 906' LONG, TIMBER STRINGER TRESTLE - BALLAST DECK (TST-BD)



SCALE



NAVD 1988  
BODCAU CREEK

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DATE: 2/8/18

EXISTING BRIDGE - UPSTREAM FACE PROFILE



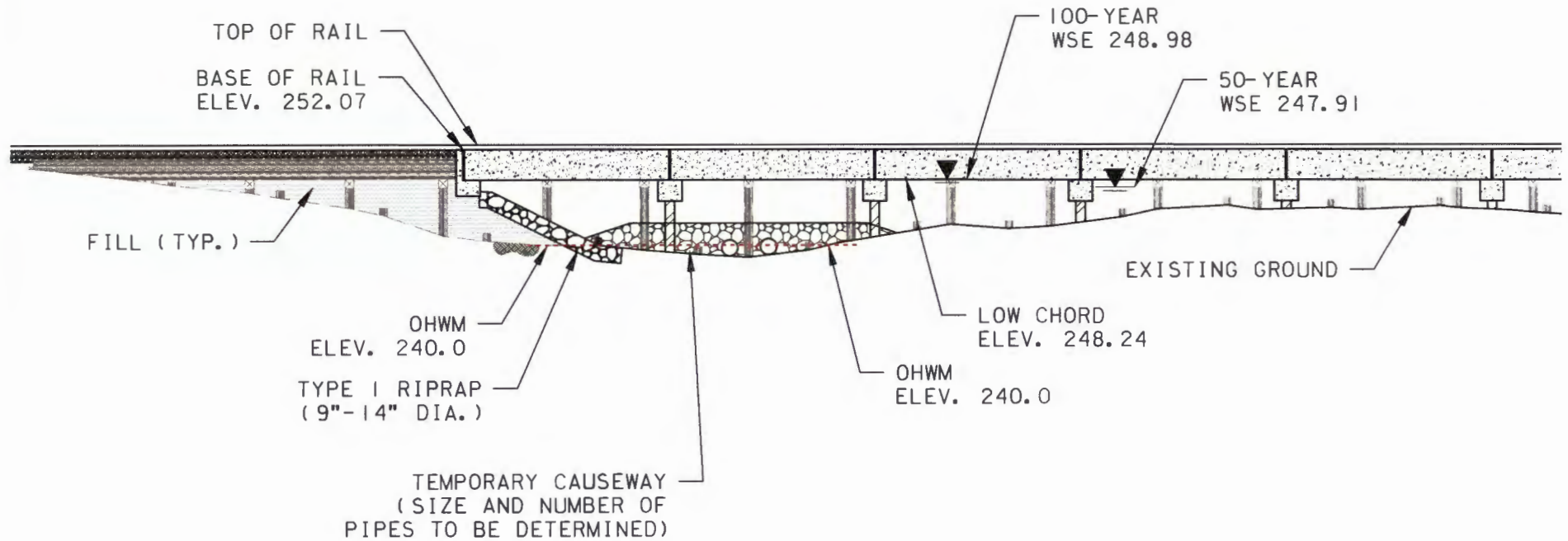
FIGURE  
8E

← TO STAMPS &  
PINE BLUFF YD.  
(TIMETABLE EAST)

TO LEWISVILLE &  
BIG SANDY  
(TIMETABLE WEST) →

# BRIDGE 386.84 - PINE BLUFF SUBDIVISION

PROPOSED: 29-SPAN, 762' LONG, PRESTRESSED CONCRETE BOX (PCB) GIRDER



| EAST ABUTMENT   |                     |
|-----------------|---------------------|
| FILL ABOVE OHWM | 260 YD <sup>3</sup> |
| FILL BELOW OHWM | 0 YD <sup>3</sup>   |
| TOTAL FILL      | 260 YD <sup>3</sup> |

| TYPE I RIPRAP |                    |
|---------------|--------------------|
| ABOVE OHWM    | 45 YD <sup>3</sup> |
| BELOW OHWM    | 15 YD <sup>3</sup> |
| TOTAL RIPRAP  | 60 YD <sup>3</sup> |

| TEMPORARY CAUSEWAY |                     |
|--------------------|---------------------|
| FILL ABOVE OHWM    | 180 YD <sup>3</sup> |
| FILL BELOW OHWM    | 30 YD <sup>3</sup>  |
| TOTAL TEMP. FILL   | 210 YD <sup>3</sup> |



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BODCAU CREEK

PROJECT: 017-1311  
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DATE: 2/8/18

PROPOSED BRIDGE - UPSTREAM FACE PROFILE



FIGURE  
9A

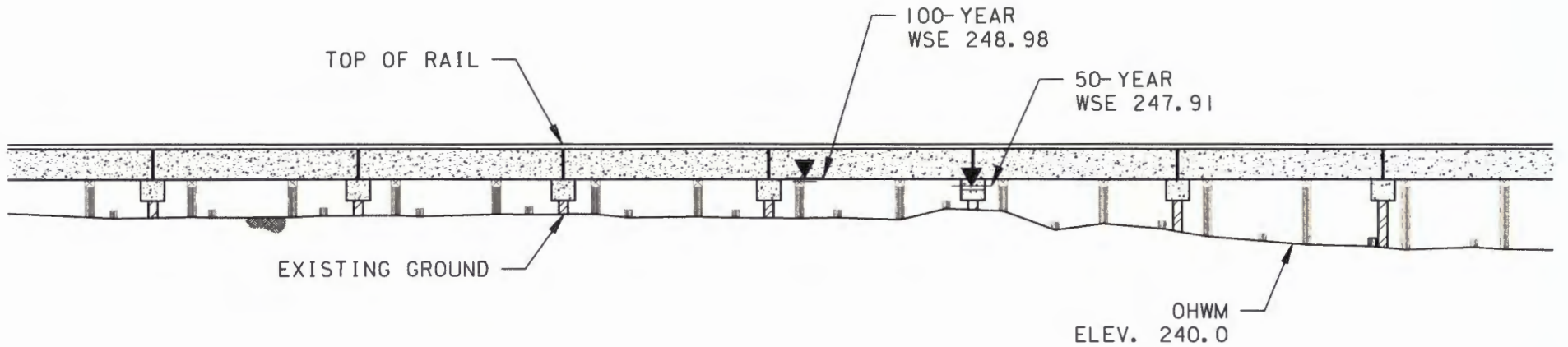


← TO STAMPS &  
PINE BLUFF YD.  
(TIMETABLE EAST)

TO LEWISVILLE &  
BIG SANDY  
(TIMETABLE WEST) →

# BRIDGE 386.84 - PINE BLUFF SUBDIVISION

PROPOSED: 29-SPAN, 762' LONG, PRESTRESSED CONCRETE BOX (PCB) GIRDER



NAVD 1988  
BODCAU CREEK

PROJECT: 017-1311  
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DATE: 2/8/18

PROPOSED BRIDGE - UPSTREAM FACE PROFILE



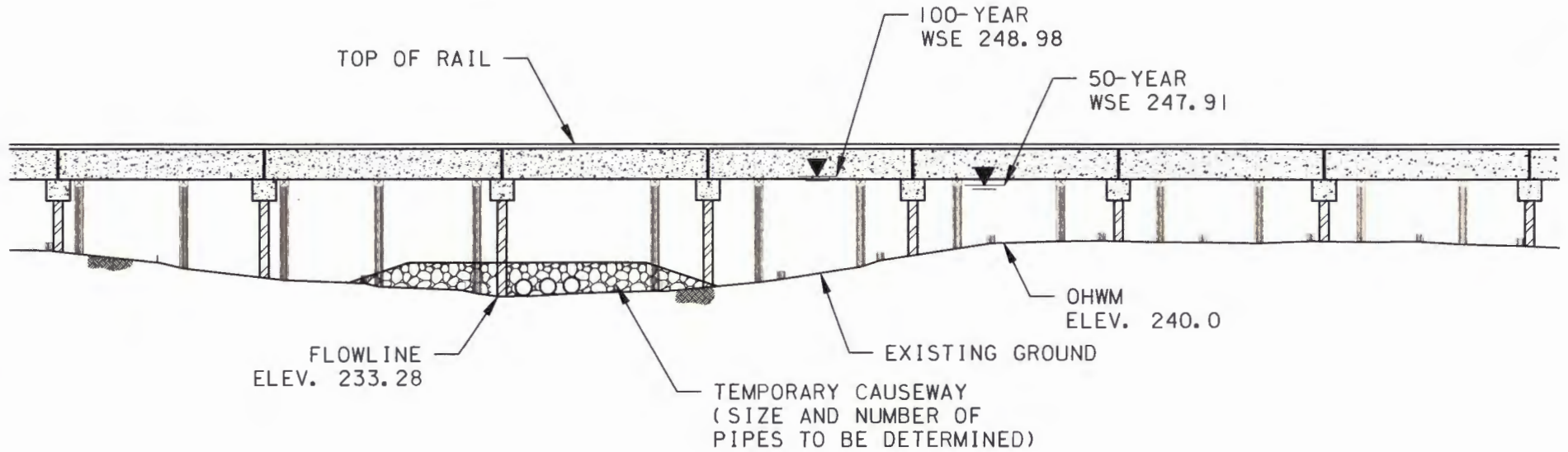
FIGURE  
9B

← TO STAMPS &  
PINE BLUFF YD.  
(TIMETABLE EAST)

TO LEWISVILLE &  
BIG SANDY  
(TIMETABLE WEST) →

# BRIDGE 386.84 - PINE BLUFF SUBDIVISION

PROPOSED: 29-SPAN, 762' LONG, PRESTRESSED CONCRETE BOX (PCB) GIRDER



| TEMPORARY CAUSEWAY |                     |
|--------------------|---------------------|
| FILL ABOVE OHWM    | 0 YD <sup>3</sup>   |
| FILL BELOW OHWM    | 300 YD <sup>3</sup> |
| TOTAL TEMP. FILL   | 300 YD <sup>3</sup> |



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BODCAU CREEK

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PROPOSED BRIDGE - UPSTREAM FACE PROFILE

**olsson**

FIGURE

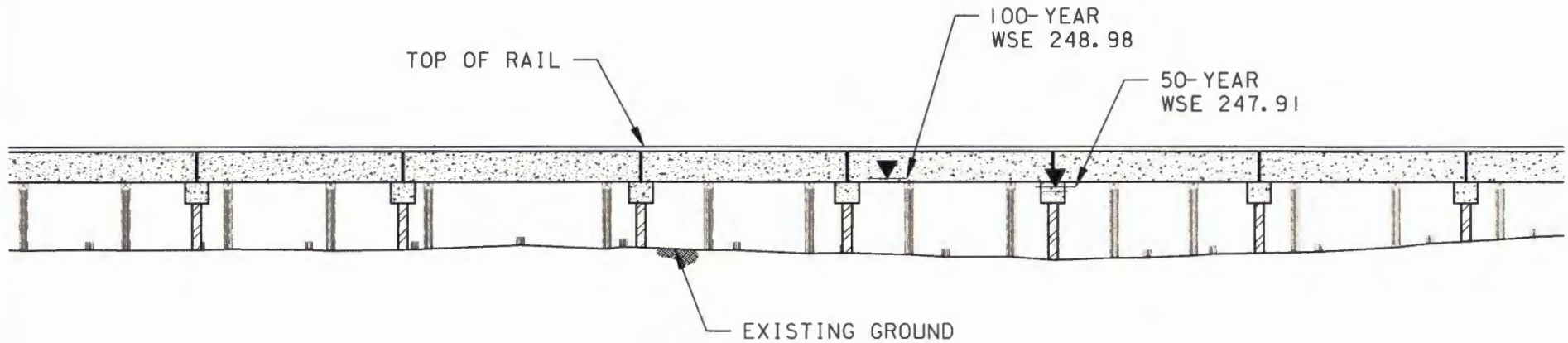
9C

← TO STAMPS &  
PINE BLUFF YD.  
(TIMETABLE EAST)

TO LEWISVILLE &  
BIG SANDY  
(TIMETABLE WEST) →

# BRIDGE 386.84 - PINE BLUFF SUBDIVISION

PROPOSED: 29-SPAN, 762' LONG, PRESTRESSED CONCRETE BOX (PCB) GIRDER



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BODCAU CREEK

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PROPOSED BRIDGE - UPSTREAM FACE PROFILE



FIGURE  
9D

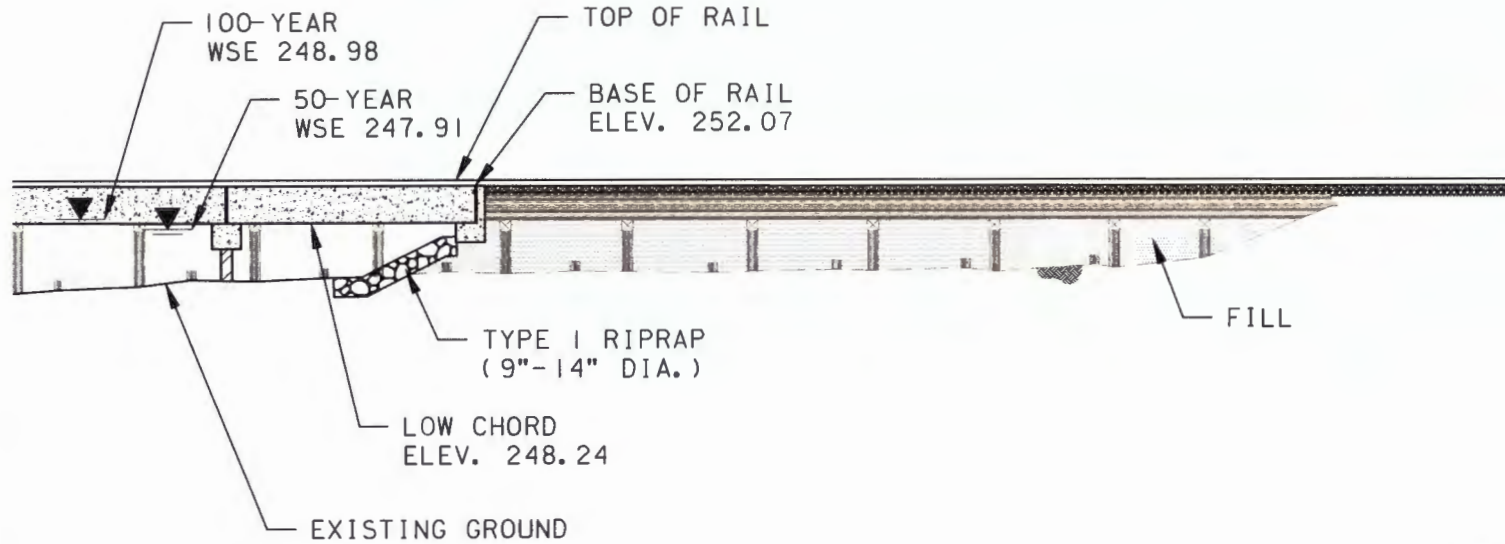


← TO STAMPS &  
PINE BLUFF YD.  
(TIMETABLE EAST)

TO LEWISVILLE &  
BIG SANDY  
(TIMETABLE WEST) →

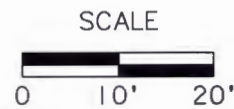
# BRIDGE 386.84 - PINE BLUFF SUBDIVISION

PROPOSED: 29-SPAN, 762' LONG, PRESTRESSED CONCRETE BOX (PCB) GIRDER



| TYPE I RIPRAP       |                          |
|---------------------|--------------------------|
| ABOVE OHWM          | 40 YD <sup>3</sup>       |
| BELOW OHWM          | 0 YD <sup>3</sup>        |
| <b>TOTAL RIPRAP</b> | <b>40 YD<sup>3</sup></b> |

| WEST ABUTMENT     |                           |
|-------------------|---------------------------|
| FILL ABOVE OHWM   | 515 YD <sup>3</sup>       |
| FILL BELOW OHWM   | 0 YD <sup>3</sup>         |
| <b>TOTAL FILL</b> | <b>515 YD<sup>3</sup></b> |



NAVD 1988  
BODCAU CREEK

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## PROPOSED BRIDGE - UPSTREAM FACE PROFILE



FIGURE  
9E