



US Army Corps  
of Engineers®  
Little Rock District

# PUBLIC NOTICE

*CORPS OF ENGINEERS*

**Application Number: 2021-00254**

**Date: October 4, 2021**

**Comments Due: October 29, 2021**

---

**TO WHOM IT MAY CONCERN: Comments are invited on the work described below. Please see the Public Involvement section for details on submitting comments.**

Point of Contact. If additional information is desired, please contact the regulator, James Beers, telephone number: (501) 340-1373, mailing address: Little Rock District Corps of Engineers, Regulatory Division, PO Box 867, Little Rock, Arkansas 72203-0867, email address: [James.D.Beers@usace.army.mil](mailto:James.D.Beers@usace.army.mil)

Project Information. Pursuant to Section 404 of the Clean Water Act (33 U.S. Code 1344), notice is hereby given that

**Mr. Kevin Rice  
Union Pacific Railroad  
1400 Douglas Street  
Omaha, Nebraska 68179**

has requested authorization for work, including the placement of dredged and fill material, in waters of the United States (WOTUS) associated with the construction of a two-mile railroad siding track referred to as Hensley Siding. Mechanized land clearing, grading, track construction, bridge construction, culvert construction, and road construction will take place using suitable equipment, such as cranes, excavators, dump trucks, and bulldozers. The project would impact (fill and culvert) approximately 114 linear feet of ephemeral stream; 483 linear feet of perennial stream; and 1.39 acres of a wetland. Implementation of erosion and sediment controls at the site will minimize or eliminate water quality impacts, other than the planned fills, to receiving streams and wetlands, and will protect water quality in downstream waters. The proposed project is located in streams and adjacent wetlands associated with several tributaries (Wildcat Creek, Turkey Creek, Barnes Creek, and Rinehart Creek) that flow into Harris Bayou and ultimately the Arkansas River, in sections 4, 9, and 16, T. 3 S., R. 11 W., Hensley, Jefferson County, Arkansas.

The purpose of the project is to meet the demand of the increasing use of rail lines as a means of transportation for goods throughout Arkansas. The project is not water dependent.

The site crosses through a rural area, east of Interstate 530. Terrain on the site consists of mostly upland areas with occasional lowland areas throughout the property. The majority of the site has been maintained as forest land. Union Pacific Railroad's mainline track currently transects the length of the property. To accomplish the project, clearing of existing vegetation, grading, filling, and stabilization of existing stream channels and wetlands would be required. The site would be graded and 1.31 acres of wetland and 114 linear feet ephemeral stream would be permanently filled; 0.08 acres of wetland would be temporarily filled; 67 linear feet of perennial

streams would be permanently culverted; 257 linear feet of perennial streams would be temporarily culverted; and 159 linear feet of perennial stream bank will be stabilized. Approximately 3,184 cubic yards of soil, rock, and concrete would be required for fill material. The filled streams would be culverted, so no rerouting would be required. A storm water pollution prevention plan would be implemented to prevent and minimize transport of sediment to downstream waters not receiving fill material. Typical best management practices such as silt fencing and other construction methods would be used to mitigate impacts to water quality and other resources.

The applicant has investigated other alternative project sites in the proximity of the proposed site and stated that the project site is the only property in the area suitable for a siding track. Union Pacific Railroad has owned the current property for many years and the location of siding has been chosen to reduce the amount of streams and wetland impacts that would be permanently lost. The site plan avoids and minimizes permanent impacts to 389 linear feet of streams and 1.2 acres of wetland.

Compensatory mitigation requirements for impacts to the streams and the wetlands would be assessed utilizing the 2011 Little Rock District Stream Method and the 2002 Charleston Method. The applicant proposes to mitigate for unavoidable impacts by purchasing stream and wetland credits from an approved mitigation bank that services the area.

The location and general plan (i.e., location map; NHD, NWI, and soils maps; 30% design, not finalized for construction) for the proposed work are shown on the enclosed sheets (Sheets 1–30).

Water Quality Certification. The Clean Water Act (CWA) Section 401 Certification Rule (Certification Rule, 40 Code of Federal Regulations (CFR) Part 121), effective September 11, 2020, requires certification for any license or permit that authorizes an activity that may result in a discharge. The scope of a CWA Section 401 certification is limited to assuring that a discharge from a Federally licensed or permitted activity will comply with water quality requirements. The applicant is responsible for requesting certification and providing required information to the certifying agency. As of the date of this public notice, the applicant has not submitted a certification request to the Arkansas Department of Energy and Environment, Division of Environmental Quality (certifying authority). In accordance with Certification Rule Part 121.6, once the applicant submits a certification request the Corps will determine the reasonable period of time for the certifying agency to act upon the certification and provide written notification. In accordance with Certification Rule Part 121.12, the Corps will notify the U.S. Environmental Protection Agency Administrator when it has received the subject certification. The Administrator is responsible for determining if the discharge may affect water quality in a neighboring jurisdiction. The DA permit may not be issued pending the conclusion of the Administrator's determination of effects on neighboring jurisdictions.

Cultural Resources. A Corps staff archeologist has conducted a preliminary review of available cultural resource data from the Arkansas Archeological Survey's AMASDA site (Automated Management of Archeological Site Data in Arkansas), identifying known cultural resource sites near the project area. The Corps staff archeologist will also review topographic maps, the

National Register of Historic Places, and other data sources on reported sites in the area to identify any potential cultural resources that may be affected by the proposed action. The applicant also searched the National Register of Historic Places for historic properties, identifying 65 National Register-listed sites in Jefferson County, none of which are within the project area. Additional cultural resource identification efforts are anticipated but have not yet been conducted or planned and finalized.

The District Engineer invites responses to this public notice from Native American Nations or tribal governments; Federal, State, and local agencies; historical and archeological societies; and other parties likely to have knowledge of or concerns with historic properties in the area.

Endangered Species. Our preliminary determination is that the proposed activity will not affect listed Endangered Species or their critical habitat. A copy of this notice is being furnished to the U.S. Fish and Wildlife Service and appropriate state agencies and constitutes a request to those agencies for information on whether any listed or proposed-to-be-listed endangered or threatened species may be present in the area which would be affected by the proposed activity.

Floodplain. We are providing copies of this notice to appropriate floodplain officials in accordance with 44 Code of Federal Regulations (CFR) Part 60 (Floodplain Management Regulations Criteria for Land Management and Use) and Executive Order 11988 on Floodplain Management.

Section 404(b)(1) Guidelines. The evaluation of activities to be authorized under this permit, which involves the discharge of dredged or fill material will include application of guidelines promulgated by the Administrator, Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act. These guidelines are contained in 40 Code of Federal CFR 230.

Public Involvement. Any interested party is invited to submit to the above-listed POC written comments or objections relative to the proposed work on or before **October 29, 2021**. Substantive comments, both favorable and unfavorable, will be accepted and made a part of the record and will receive full consideration in determining whether this work would be in the public interest. The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts 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 reasonably may be expected to 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, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

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.

Any person may request in writing within the comment period specified in this notice that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. The District Engineer will determine if the issues raised are substantial and whether a hearing is needed for making a decision.

**NOTE:** The mailing list for this Public Notice is arranged by state and county(s) where the project is located and includes any addressees who have asked to receive copies of all public notices. Please discard notices that are not of interest to you. If you have no need for any of these notices, please advise us so that your name can be removed from the mailing list.

Enclosures

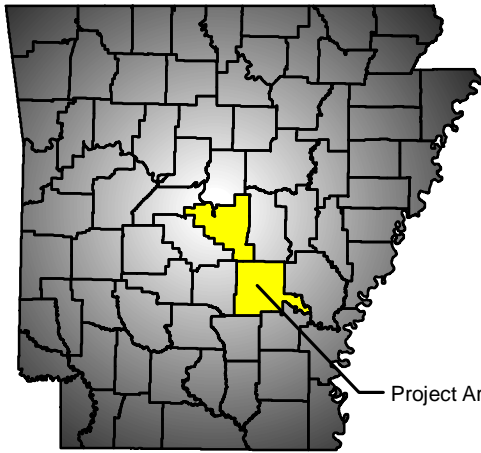
Approximate Coordinates of Project Center

Latitude: **34.47837°**                      Longitude: **-92.19715°**

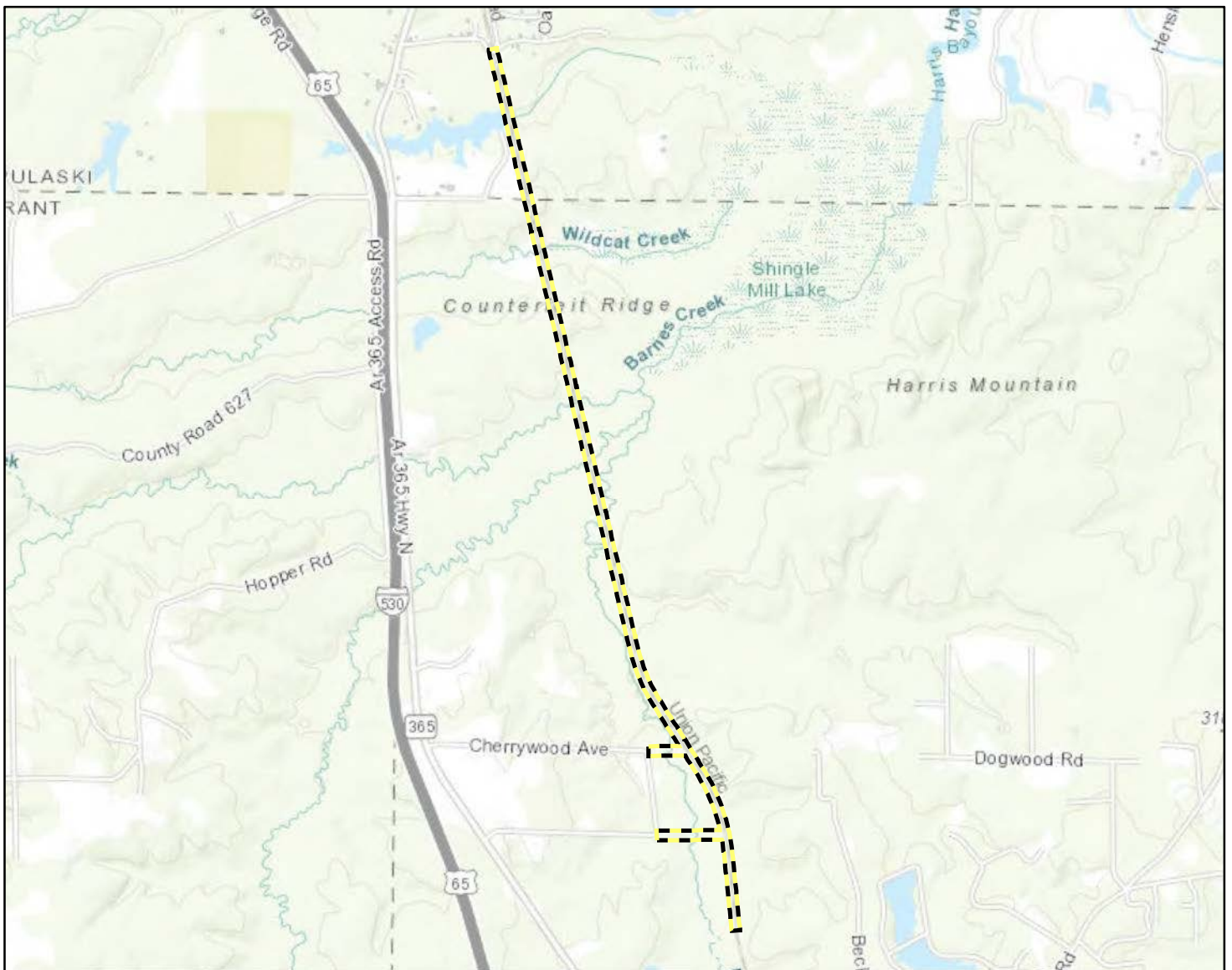
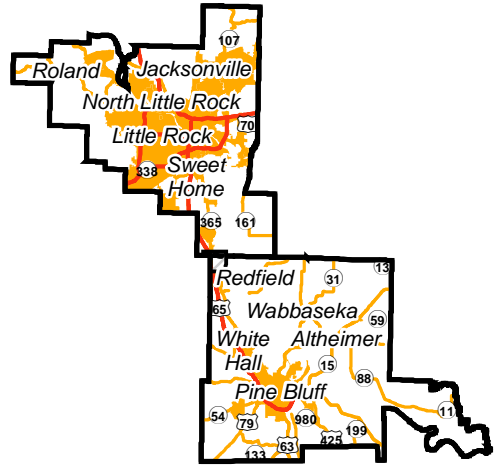
UTM Zone: **15**      North: **3815491.18**                      East: **573724.14**


# ARKANSAS

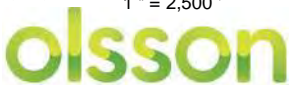
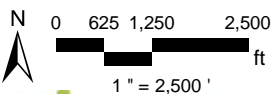
# JEFFERSON AND PULASKI COUNTIES



Project Area

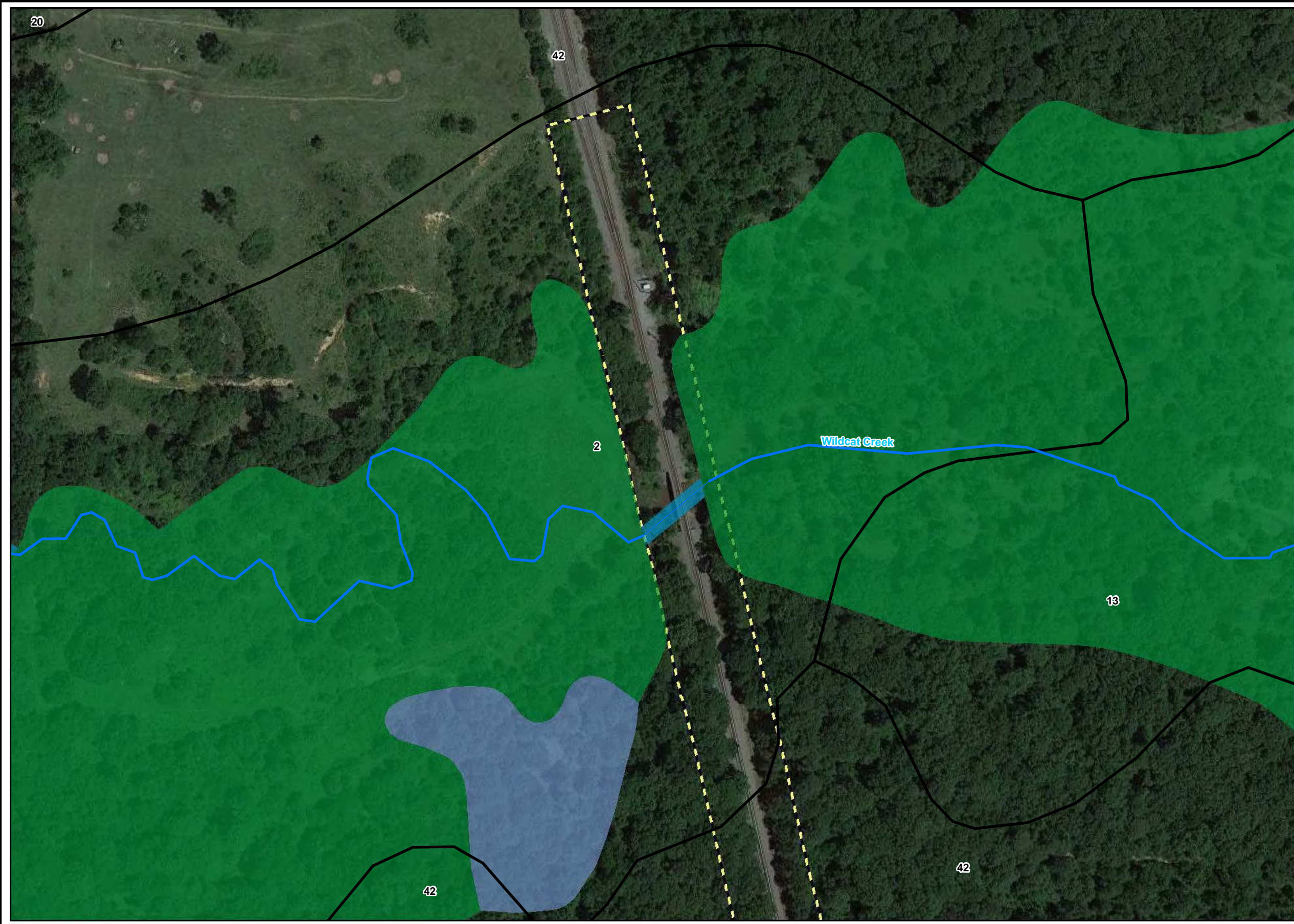


 Study Area

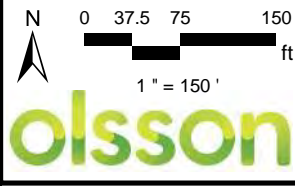
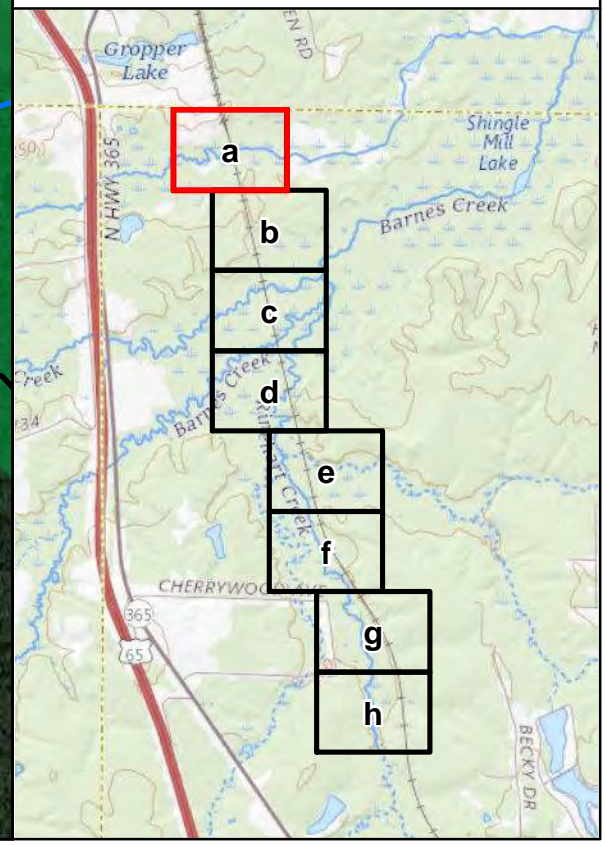


Action No.: SWL-2021-00254  
 Near Hensley, Arkansas  
 UPRR Hensley Siding Project  
 Sections 4, 9, & 16, T. 3 S., R. 11 W.  
 September 28, 2021 Page 1 of 29

F:\2020\3001-3500\020-3324\40-Design\GIS\Data\20-11-23\_NRPL\_Maps.mxd PUBLISHED BY: gmalek-madani DATE: March 02, 2021



- Legend**
- Study Area
  - SSURGO Soils
  - NHD Stream Type**
    - Stream/River
    - Ephemeral Stream
    - Intermittent Stream
    - Perennial Stream
    - Other Flowlines
  - Wetland Class (NWI)**
    - Freshwater Forested/Shrub Wetland
    - Freshwater Emergent Wetland
    - Freshwater Pond
    - Riverine Habitat
    - Deepwater Habitat
    - Other Freshwater Wetland



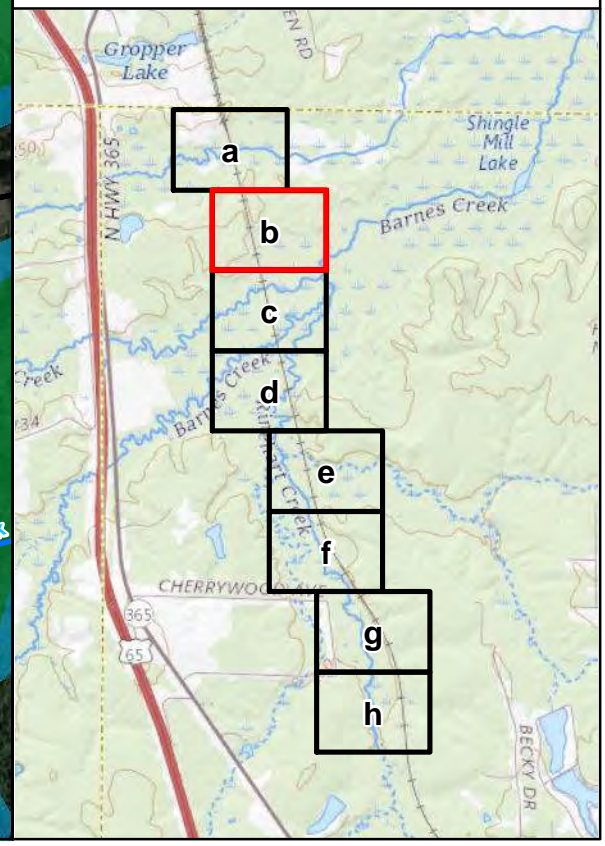
Action No.: SWL-2021-00254  
 Near Hensley, Arkansas  
 UPRR Hensley Siding Project  
 Sections 4, 9, & 16, T. 3 S., R. 11 W.  
 September 28, 2021 Page 2 of 29

F:\2020\3001-3500\020-3324\40-Design\GIS\Data\20-11-23\_NRPL\_Maps.mxd PUBLISHED BY: gmalek-madani DATE: March 02, 2021



**Legend**

- Study Area
- SSURGO Soils
- NHD Stream Type**
  - Stream/River
  - Ephemeral Stream
  - Intermittent Stream
  - Perennial Stream
  - Other Flowlines
- Wetland Class (NWI)**
  - Freshwater Forested/Shrub Wetland
  - Freshwater Emergent Wetland
  - Freshwater Pond
  - Riverine Habitat
  - Deepwater Habitat
  - Other Freshwater Wetland



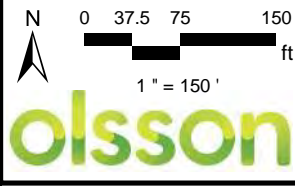
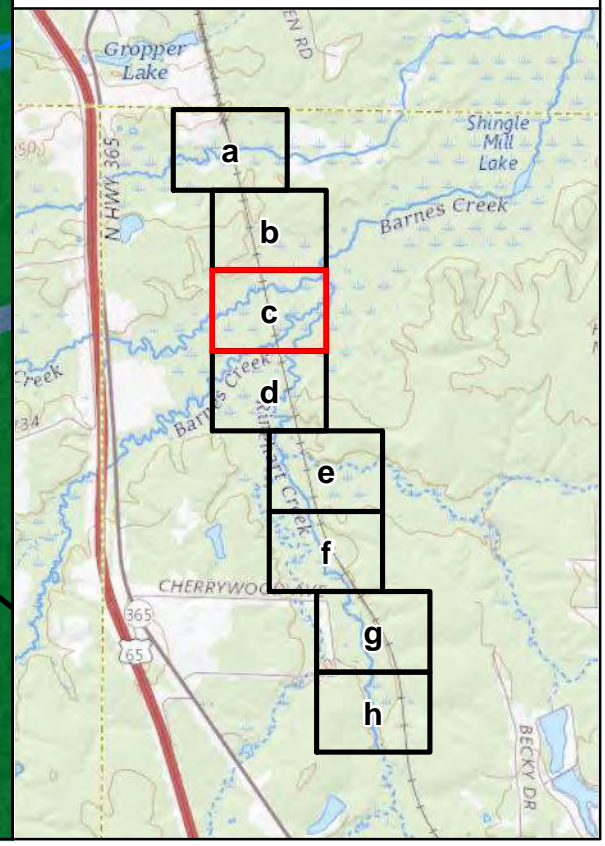
N  
0 37.5 75 150  
ft  
1" = 150'  
**olsson**

Action No.: SWL-2021-00254  
Near Hensley, Arkansas  
UPRR Hensley Siding Project  
Sections 4, 9, & 16, T. 3 S., R. 11 W.  
September 28, 2021 Page 3 of 29

F:\2020\3001-3500\020-3324\40-Design\GIS\Data\20-11-23\_NRPL\_Maps.mxd PUBLISHED BY: gmalek-madani DATE: March 02, 2021



- Legend**
- Study Area
  - SSURGO Soils
  - NHD Stream Type**
    - Stream/River
    - Ephemeral Stream
    - Intermittent Stream
    - Perennial Stream
    - Other Flowlines
  - Wetland Class (NWI)**
    - Freshwater Forested/Shrub Wetland
    - Freshwater Emergent Wetland
    - Freshwater Pond
    - Riverine Habitat
    - Deepwater Habitat
    - Other Freshwater Wetland



Action No.: SWL-2021-00254  
 Near Hensley, Arkansas  
 UPRR Hensley Siding Project  
 Sections 4, 9, & 16, T. 3 S., R. 11 W.  
 September 28, 2021 Page 4 of 29

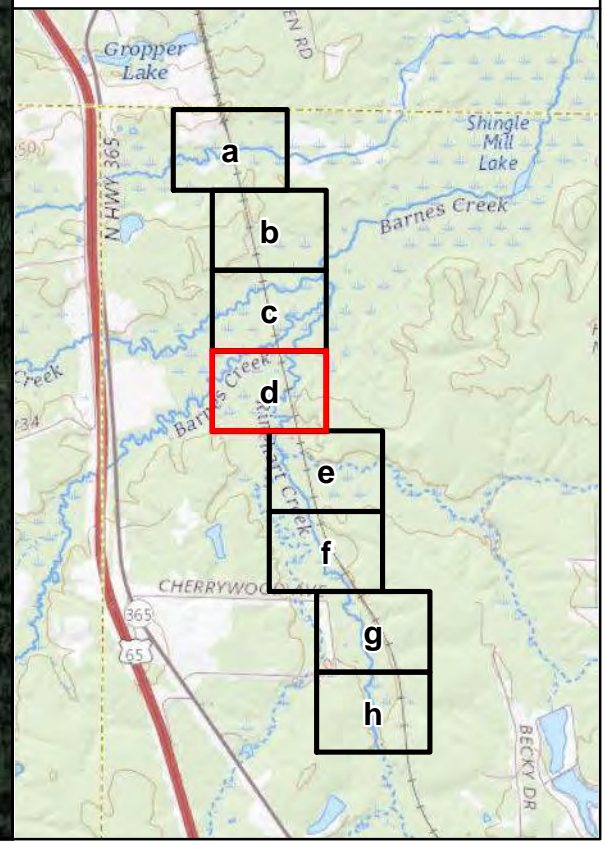


F:\2020\3001-3500\020-3324\40-Design\GIS\Data\20-11-23\_NRPL\_Maps.mxd PUBLISHED BY: gmalek-madani DATE: March 02, 2021



**Legend**

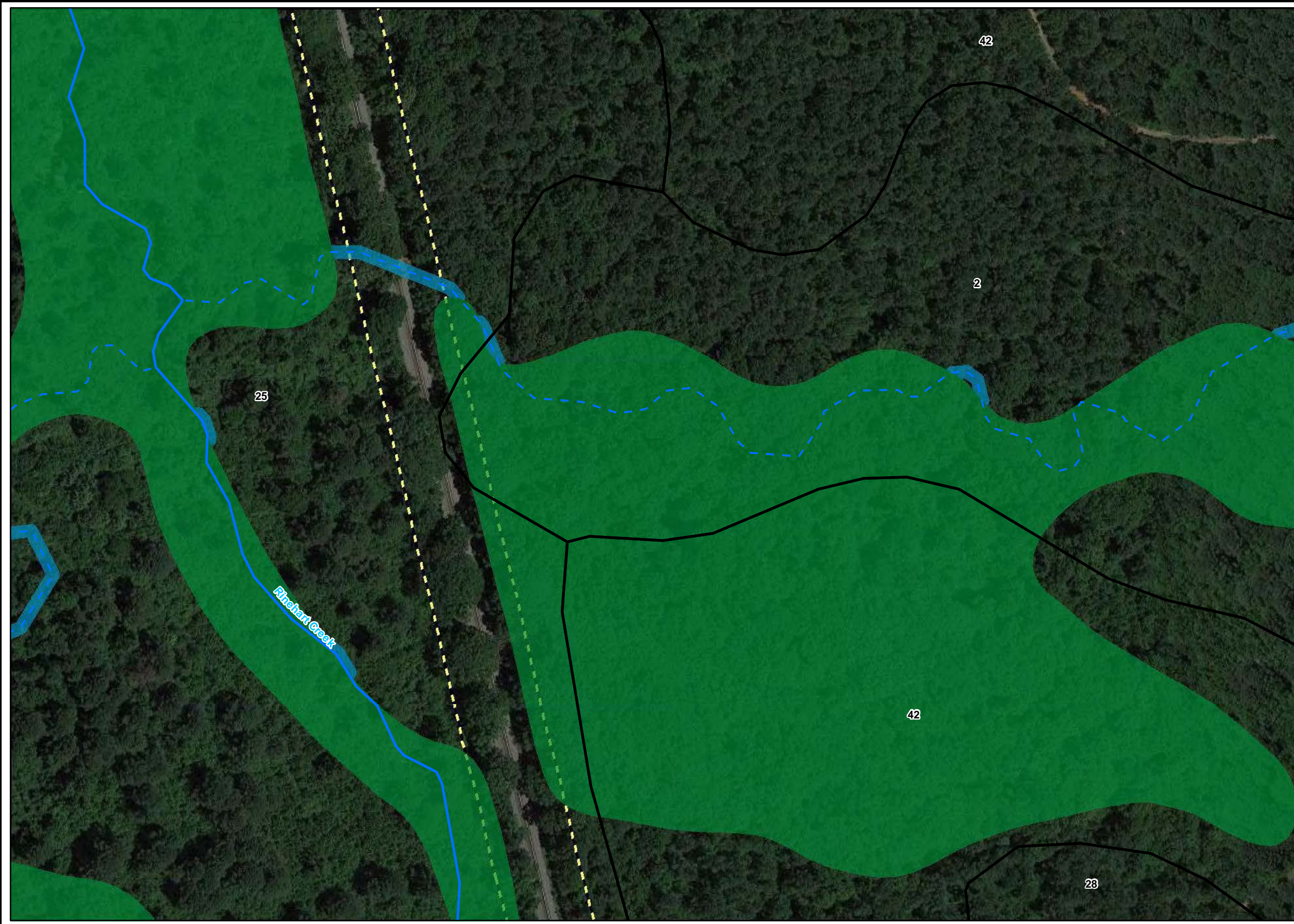
- Study Area
- SSURGO Soils
- NHD Stream Type**
  - Stream/River
  - Ephemeral Stream
  - Intermittent Stream
  - Perennial Stream
  - Other Flowlines
- Wetland Class (NWI)**
  - Freshwater Forested/Shrub Wetland
  - Freshwater Emergent Wetland
  - Freshwater Pond
  - Riverine Habitat
  - Deepwater Habitat
  - Other Freshwater Wetland



N  
0 37.5 75 150  
ft  
1" = 150'  
**olsson**

Action No.: SWL-2021-00254  
Near Hensley, Arkansas  
UPRR Hensley Siding Project  
Sections 4, 9, & 16, T. 3 S., R. 11 W.  
September 28, 2021 Page 5 of 29

F:\2020\3001-3500\020-3324\40-Design\GIS\Data\20-11-23\_NRPL\_Maps.mxd PUBLISHED BY: gmalek-madani DATE: March 02, 2021



**Legend**

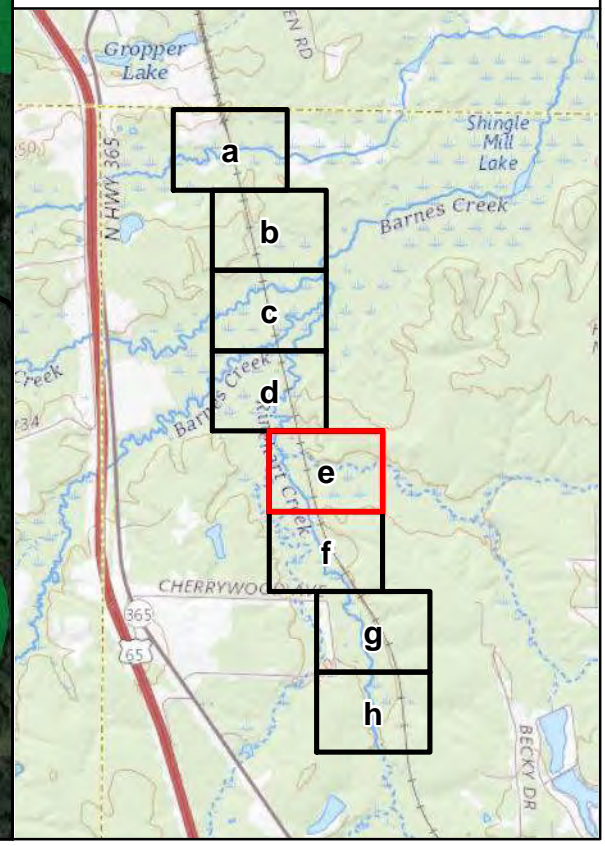
- Study Area
- SSURGO Soils

**NHD Stream Type**

- Stream/River
- Ephemeral Stream
- Intermittent Stream
- Perennial Stream
- Other Flowlines

**Wetland Class (NWI)**

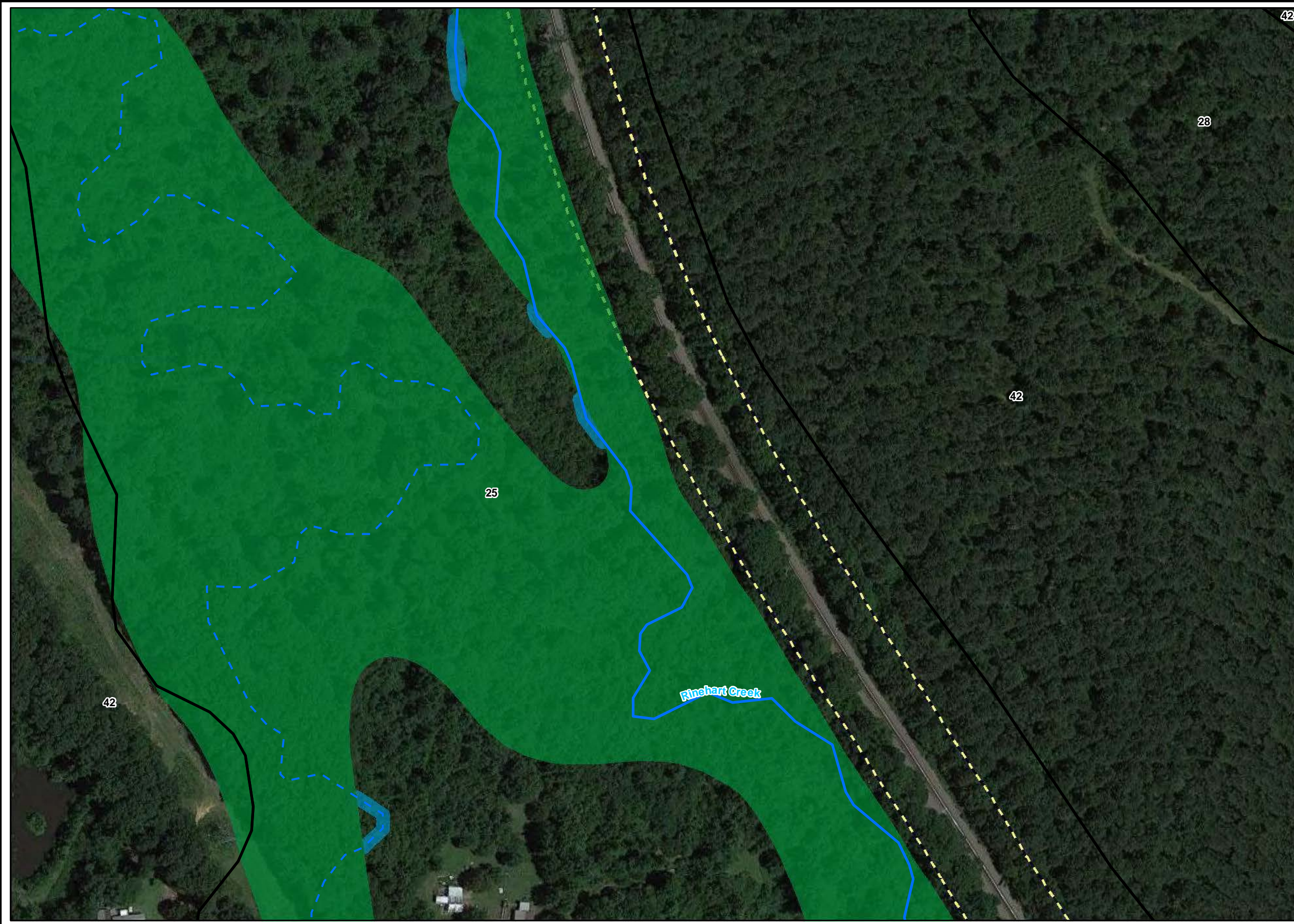
- Freshwater Forested/Shrub Wetland
- Freshwater Emergent Wetland
- Freshwater Pond
- Riverine Habitat
- Deepwater Habitat
- Other Freshwater Wetland



N 0 37.5 75 150 ft  
1" = 150'

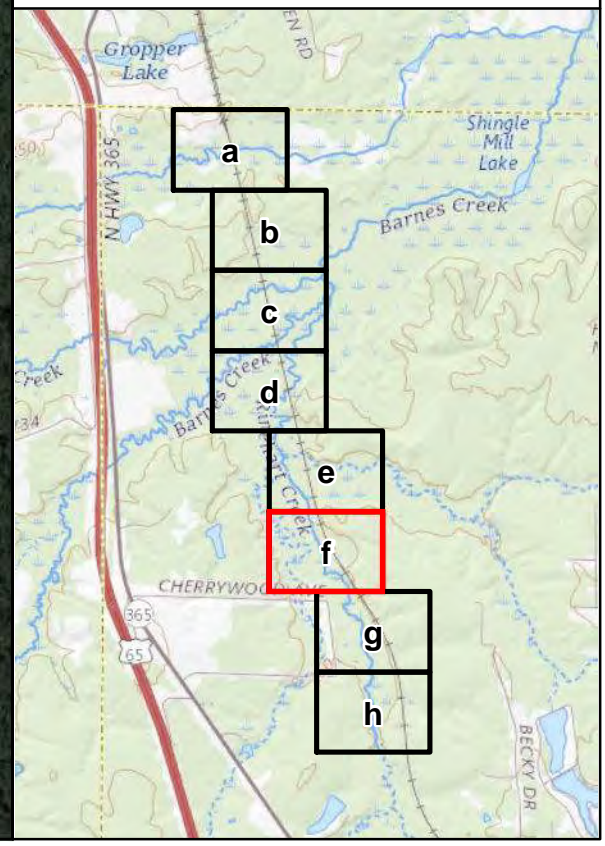
Action No.: SWL-2021-00254  
Near Hensley, Arkansas  
UPRR Hensley Siding Project  
Sections 4, 9, & 16, T. 3 S., R. 11 W.  
September 28, 2021 Page 6 of 29

F:\2020\3001-3500\020-3324\40-Design\GIS\Data\20-11-23\_NRPL\_Maps.mxd PUBLISHED BY: gmalek-madani DATE: March 02, 2021



**Legend**

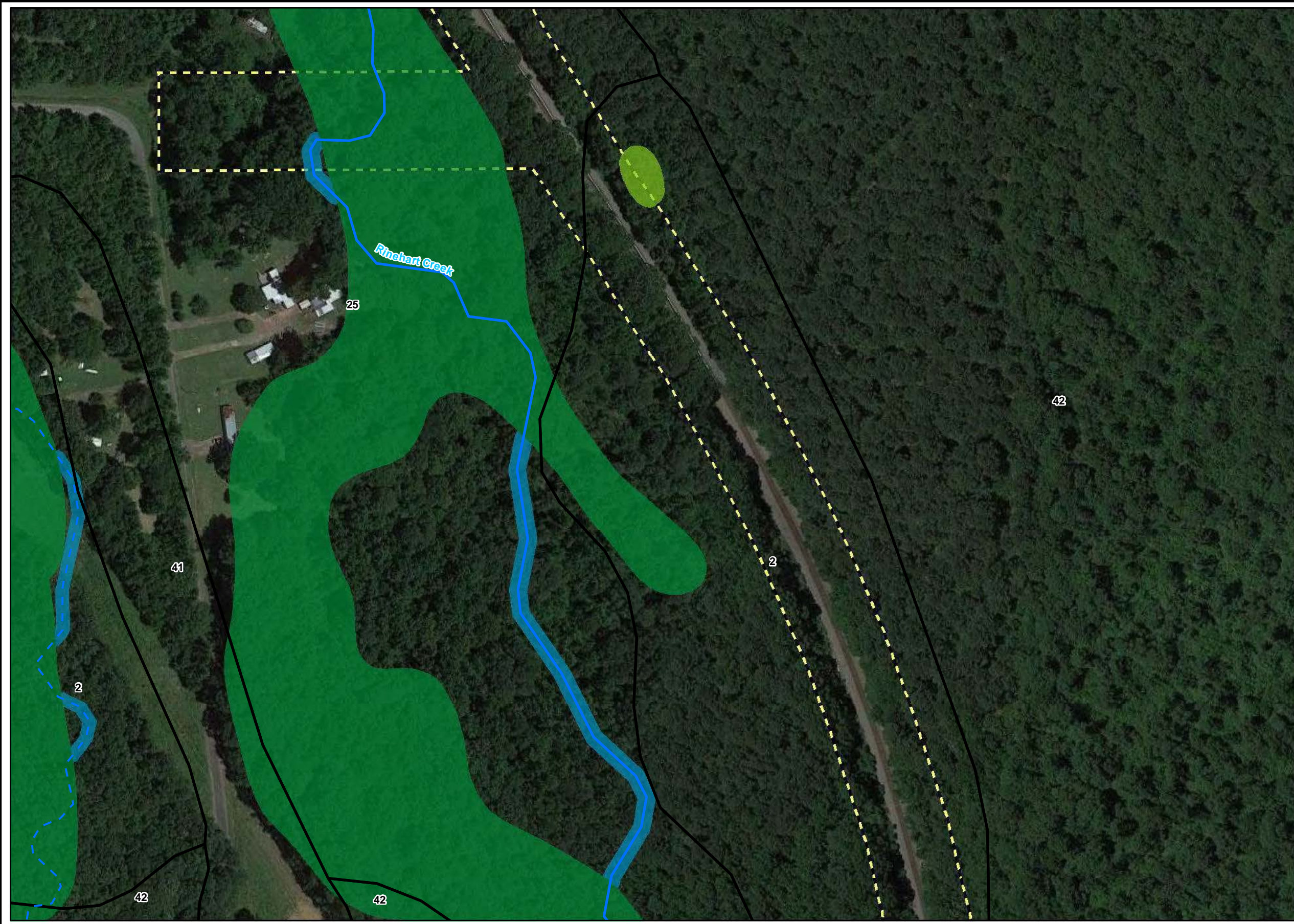
- Study Area
- SSURGO Soils
- NHD Stream Type**
  - Stream/River
  - Ephemeral Stream
  - Intermittent Stream
  - Perennial Stream
  - Other Flowlines
- Wetland Class (NWI)**
  - Freshwater Forested/Shrub Wetland
  - Freshwater Emergent Wetland
  - Freshwater Pond
  - Riverine Habitat
  - Deepwater Habitat
  - Other Freshwater Wetland



N  
0 37.5 75 150  
ft  
1" = 150'  
**olsson**

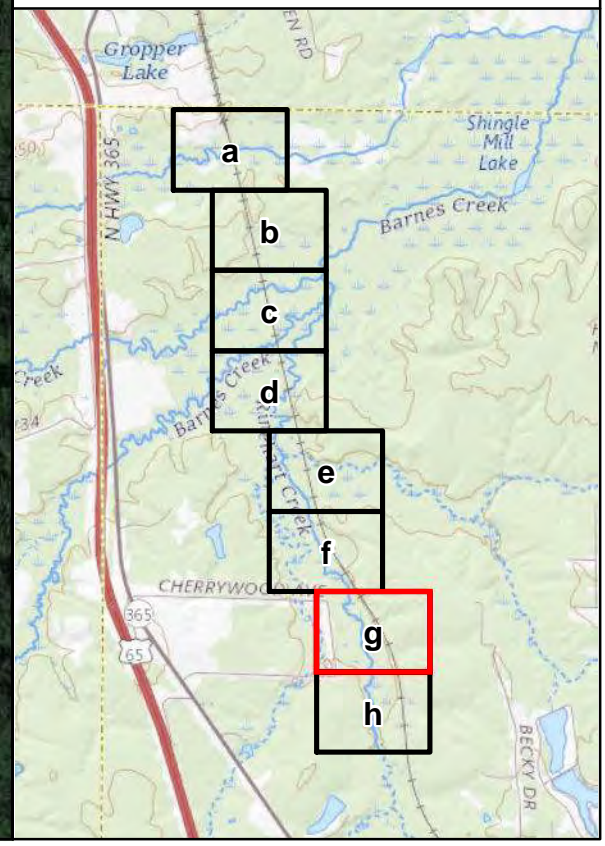
Action No.: SWL-2021-00254  
Near Hensley, Arkansas  
UPRR Hensley Siding Project  
Sections 4, 9, & 16, T. 3 S., R. 11 W.  
September 28, 2021 Page 7 of 29

F:\2020\3001-3500\020-3324\40-Design\GIS\Data\20-11-23\_NRPL\_Maps.mxd PUBLISHED BY: gmalek-madani DATE: March 02, 2021



**Legend**

- Study Area
- SSURGO Soils
- NHD Stream Type**
  - Stream/River
  - Ephemeral Stream
  - Intermittent Stream
  - Perennial Stream
  - Other Flowlines
- Wetland Class (NWI)**
  - Freshwater Forested/Shrub Wetland
  - Freshwater Emergent Wetland
  - Freshwater Pond
  - Riverine Habitat
  - Deepwater Habitat
  - Other Freshwater Wetland



N  
0 37.5 75 150  
ft  
1" = 150'  
**olsson**

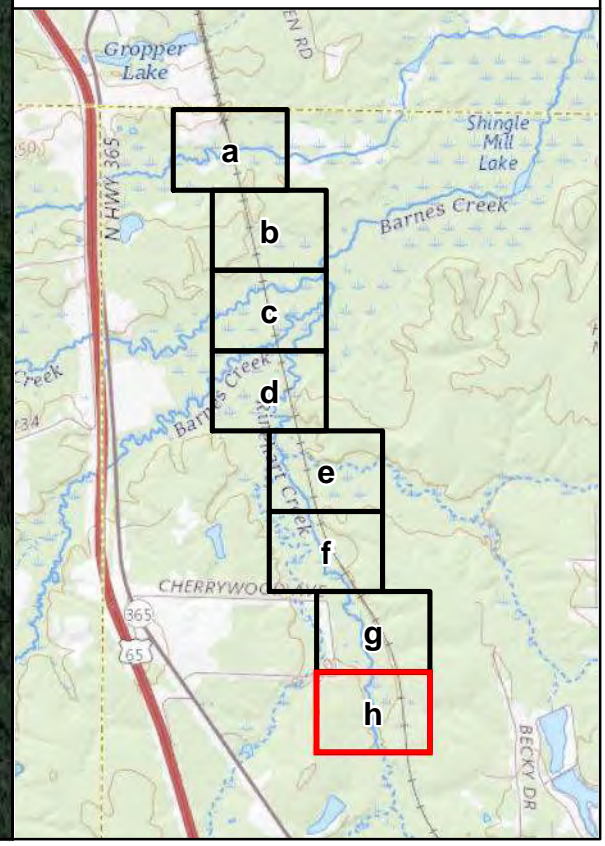
Action No.: SWL-2021-00254  
Near Hensley, Arkansas  
UPRR Hensley Siding Project  
Sections 4, 9, & 16, T. 3 S., R. 11 W.  
September 28, 2021 Page 8 of 29

F:\2020\3001-3500\020-3324\40-Design\GIS\Data\20-11-23\_NRPL\_Maps.mxd PUBLISHED BY: gmalek-madani DATE: March 02, 2021



**Legend**

- Study Area
- SSURGO Soils
- NHD Stream Type**
  - Stream/River
  - Ephemeral Stream
  - Intermittent Stream
  - Perennial Stream
  - Other Flowlines
- Wetland Class (NWI)**
  - Freshwater Forested/Shrub Wetland
  - Freshwater Emergent Wetland
  - Freshwater Pond
  - Riverine Habitat
  - Deepwater Habitat
  - Other Freshwater Wetland

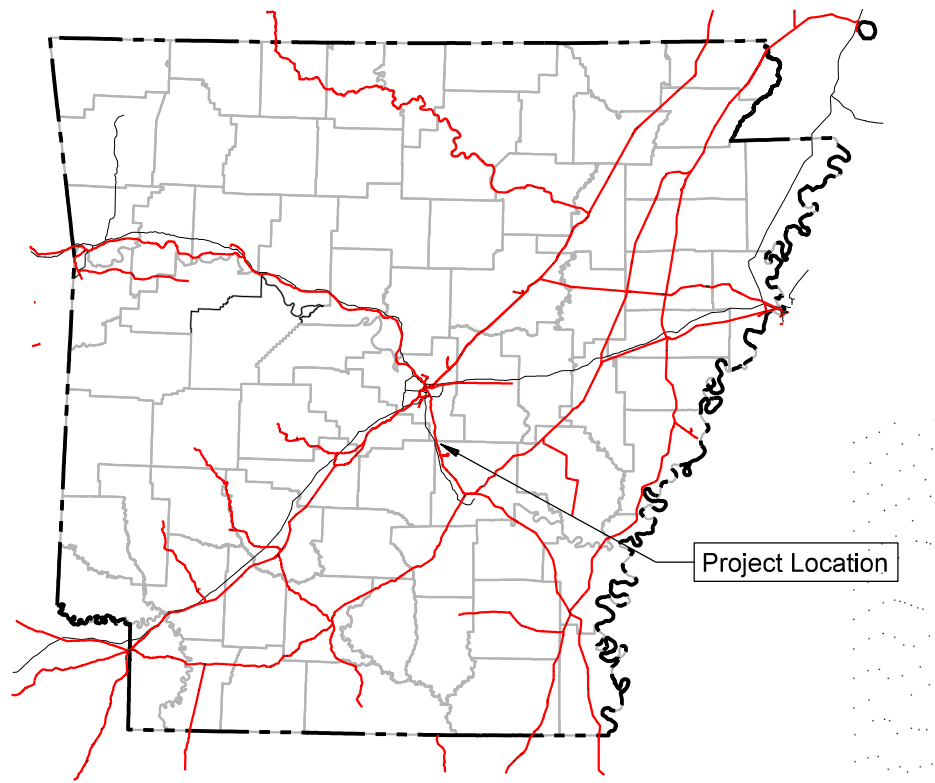


N  
0 37.5 75 150  
ft  
1" = 150'  
**olsson**

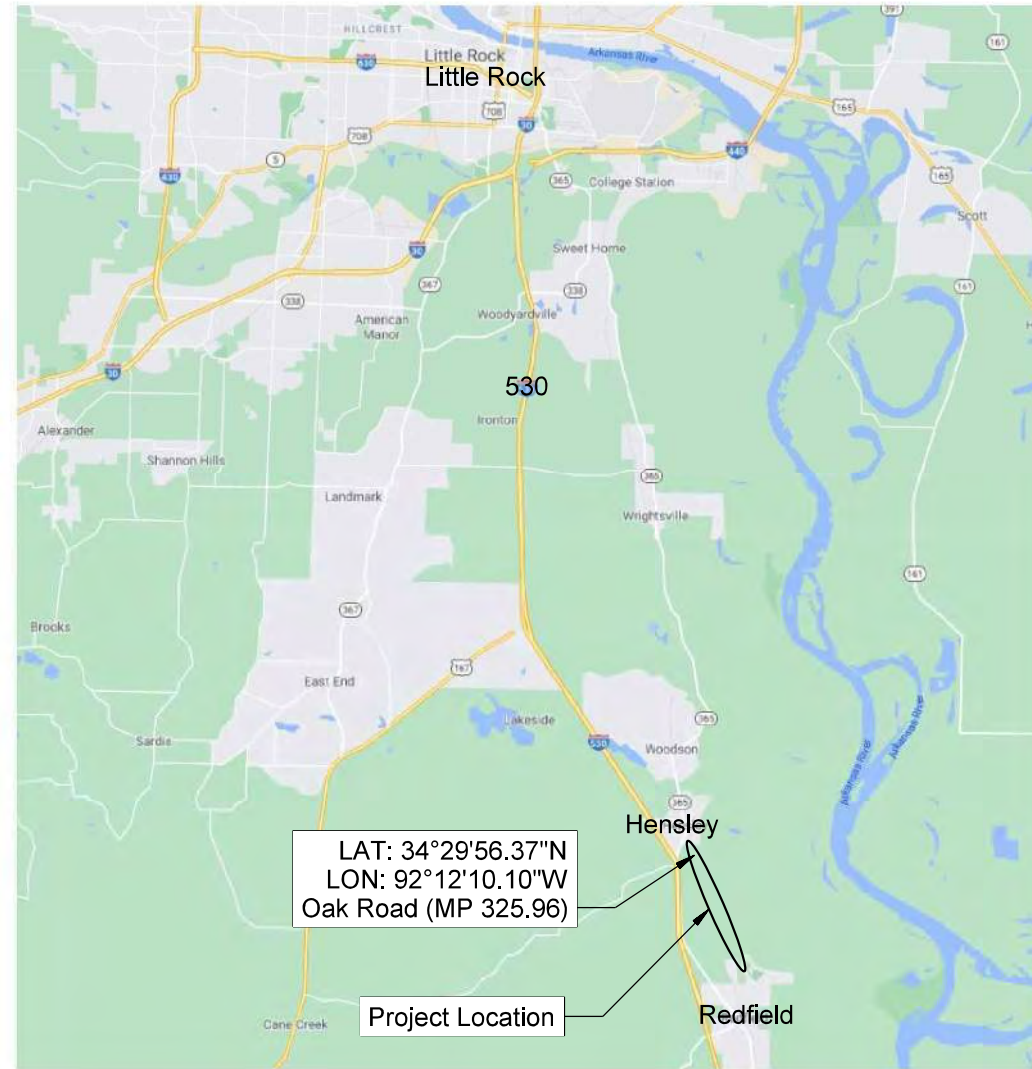
Action No.: SWL-2021-00254  
Near Hensley, Arkansas  
UPRR Hensley Siding Project  
Sections 4, 9, & 16, T. 3 S., R. 11 W.  
September 28, 2021 Page 9 of 29



# ENGINEERING DESIGN



State of Arkansas



Project Location Map

LAT: 34°29'56.37"N  
LON: 92°12'10.10"W  
Oak Road (MP 325.96)

## HENSLEY, AR MP 324.78 TO MP 328.58 WHITE BLUFF SUBDIVISION HENSLEY SIDING EXTENSION

**30% DESIGN**  
**NOT FOR CONSTRUCTION**

WORK ORDER: 57085  
PROJECT NUMBER: 112347  
BUDGET REFERENCE: 19CP125

**LAST REVISED**  
**July 14, 2021**

Action No.: SWL-2021-00254  
Near Hensley, Arkansas  
UPRR Hensley Siding Project  
Sections 4, 9, & 16, T. 3 S., R. 11 W.  
September 28, 2021



**GENERAL NOTES**

- Contractors shall notify Service Alert, (800) 642-2444 and UPRR Fiber Optics Hotline (800) 336-9193, 48 hours prior to any excavation. The USA Authorization Numbers shall be kept at the job site.
- No work whatsoever shall be commenced without first notifying the UPRR Engineer.
- The Contractor shall comply with all Federal, State, County, and City Laws and Ordinances and Regulations of the Department of Industrial Relations, OSHA, NPDES and Industrial Accident Commission related to the safety and character of the work, equipment and labor personnel.
- Contractor shall be responsible for coordinating with all Utility agencies.
- Contractor shall protect in place (by any means necessary) all existing utilities to remain unless otherwise specified herein, contractor shall be responsible for the complete repair at his expense, for any damage to existing utilities, structures, or other site features, as a result of his work.
- Prior to placing curbs, pavements, base, subbase, track, etc., all underground utilities shall be installed, backfill completed, and the Engineer notified by each of the utility companies having facilities within the work area, that the utility installation has satisfactorily passed acceptance tests.
- All existing underground utilities, that are not to be re-used shall be abandoned in place. All existing pipelines to be abandoned in place shall be cement slurry filled and capped at least 3'-0" below top of proposed subgrade.
- Contractor shall verify locations and elevations of existing utilities whether known or unknown prior to beginning construction.
- Any underground structures such as cesspools, cisterns, mining shafts, tunnels, septic tanks, wells, and pipelines not located prior to construction shall be brought to the attention of the Engineer for determination of appropriate action such as removal or treatment in a manner judged suitable to the Engineer.
- Contractor shall coordinate location of all proposed utilities with UPRR to assure accuracy of utility connections and compliance with local codes.
- Any existing conditions found to be a variance with these drawings must be immediately reported to the Engineer.
- Contractor shall maintain and clean to the satisfaction of the Engineer, all access and service roads used during construction.
- Contractor shall perform all construction in such a manner as to protect adjacent existing buildings, and other site elements which are to remain in service.
- Contractor shall provide As-built Drawings for all improvements.
- No field changes will be permitted without direct written authorization from the UPRR Engineer or his representation
- Contractor shall coordinate work which affects adjacent property owners. Any questions or agreements between adjacent property owners and contractor shall be made in writing. A copy of such agreement shall be provided to the UPRR Engineer or his representative.
- The contractor is responsible for preparing a Stormwater Pollution Prevention Plan (SWPPP) to comply with State regulations. General specifications and typical erosion control details are included in the plan set.
- Right-of-way lines shown on the plans were taken from existing UPRR Right-of-way map and are approximate.
- Match lines for sheets are based on the Existing Main Track 1 stationing unless otherwise specified.
- Track laying, ballasting, and installation of road crossing panels will be done by the Railroad unless otherwise stated.
- Where existing culverts are to be extended, the contractor shall expose existing drainage structures and field verify size and type before ordering.
- The contractor is responsible for the removal of all pavement markings that will be in conflict with the proposed work.
- Contractor shall comply with all State and County standard specifications for construction of public improvements requirements, County standard specifications shall prevail.
- Contractor shall maintain at least one access to all affected business. If necessary, multiphase construction shall be utilized.
- Contractor to mark Rail and Tie with yellow paint at 13' clear point.
- The contractor will be responsible for removing all project soils off site. If the excavated soil appears contaminated (sight, smell, etc.), the soils must be quarantined using tarps below and above, and the tarps must be anchored with clean sand or rock. Alternate means of quarantine, such as covered, sealed dumpster or covered, sealed totes, are acceptable. Contractor will coordinate with the UPRR Environmental Group contact for testing. In the event the soil tests positive for contamination, UPRR will manage the hauling, disposal, and tracking of the soil. The contractor will be responsible for loading the soil for hauling, in agreement with the UPRR Environmental Group.

**DESIGN CRITERIA**

- UPRR standard plans and trackworks
- AREMA Manual for Railway Engineering
- Pulaski County
- Arkansas State Department of Transportation

**SURVEY NOTES**

- Railroad stationing for project profiles and alignments is based on stations established for chord definition spiraled curves at the centerline of the existing UPRR Main Line unless otherwise noted.
- The contractor is responsible for the preservation of all survey control monuments. In the event monuments are damaged or destroyed by the contractor, the Engineer will replace the monument solely at the contractor's expense.

	DATUM
HORIZONTAL	NAD83 Arkansas State Plane South Zone, US Survey Feet Grid Coordinates
VERTICAL	NAVD 88

Grid to Ground Scale Factor: 1.0000559389

**TRAFFIC NOTES**

- All barricades, warning signs, lights, devices, etc. for the guidance of vehicle traffic and pedestrians must conform to the installation shown in the Manual on Uniform Traffic Control Devices (MUTCD), current edition.
- Contractor shall make twice daily inspections of barricades and flashing lights to ensure proper placement and functioning of warning devices.
- Grade crossings closed to traffic during construction shall be barricaded in accordance with the MUTCD.
- At all grade crossings, all grade crossing warning signs (crossbuck) shall temporarily be relocated during construction and reset after the grade crossings construction is completed to a point adjacent to the roadway and 15 feet from the centerline of the near track as stated in the MUTCD except where automatic grade crossing warning signals/gates exist. All automatic warning devices are the responsibility of UPRR. At no time shall a crossing be left open without proper warning signs in place.
- Contractor shall submit traffic control plans to County Engineer for approval at least 2 weeks prior to each road closure. Plans shall be 11" x 17" engineered drawings, sealed by a professional engineer from the State.
- The contractor is responsible for the prompt replacement and/or repair of all traffic control devices and appurtenances damaged or disturbed due to construction.

**PROJECT CONTACTS**

**CONTACT**

Jeremy Miller  
 Kyle Thomsen  
 Adam Studts  
 Paul Pino  
 Stephanie Tingley  
 Rick Gilmore  
 Andy Mohammad

**PHONE NUMBER**

(630) 200-8479  
 (402) 216-2348  
 (402) 203-4960  
 (402) 203-6021  
 (402) 544-5453  
 (402) 953-7302  
 (531) 213-6107

**UPRR**

Civil Construction PM  
 Design Project Manager  
 Structure Design Manager  
 Information Technology Fiber  
 Real Estate Acquisitions  
 Real Estate Utilities  
 Signal Design Manager

**CONTACT**

Zach Hartjes

**PHONE NUMBER**

(763) 226-9632

**WILSON & COMPANY**

Project Manager

**CONTACT**

Paige Anderson

**PHONE NUMBER**

(402) 719-8911

**(PERMITTING)**




Project Scientist

**PHONE NUMBER**

(800) 336-9193  
 (888) 258-0808  
 (888) 877-7267  
 (800) 877-5591

**GENERAL**

UPRR CALL BEFORE YOU DIG  
 CALL BEFORE YOU DIG (NATIONAL DIRECTORY)  
 UPRR Response Management Communications Center (RMCC)  
 UPRR Signal Operations Center

 <p>11422 MIRACLE HILLS DRIVE                  SUITE #308                  OMAHA, NE 68154                  (402) 896-6100</p>		DRAWN BY: JRW		Action No.: SWL-2021-00254 Near Hensley, Arkansas UPRR Hensley Siding Project Sections 4, 9, & 16, T. 3 S., R. 11 W. September 28, 2021
		CHECKED BY: ZDH		
		DATE: 07/14/2021		
		SHEET NUMBER G003 of 006		
		SHEET TITLE: General Notes & Project Contacts	Page 12 of 29	

Color: table: c:\wcpw\ad0188283\UPRR.tbj  
 pw:\wils\pw\ben\tele\com\wils\pw\Documents\8400-Rail\UPRR\Track\20-400-179-00 UPRR - Hensley Siding Extension\2\_Disciplines\CADD\_Resources\_Publishing\UPRR\_V81\_Pentable  
 G:\wcpw\ad0459612\G-003.dgn  
 Defplot:  
 7/14/2021



**ABBREVIATIONS**

**MISCELLANEOUS**

Ac.	Acres
Ave.	Avenue
Blvd.	Boulevard
Bldg.	Building
BNSF	BNSF Railway
C.Y.	Cubic Yards
Conc.	Concrete
°	Degree (s)
Dia.	Diameter
Dr.	Drive
Dwg.	Drawing
E	East
Elev.	Elevation
Exist.	Existing
'	Foot, Feet or Minute (s)
F.S.	Finished Surface
Horiz.	Horizontal
"	Inch, Inches or Second (s)
Inv.	Invert
Lt.	Left
L	Length
L.F.	Lineal Feet
Max.	Maximum
Min.	Minimum
N	North
NTS	Not to Scale
No.	Number
OH	Overhead
Prop.	Proposed
RR	Railroad
Rwy	Railway
R/W	Right of Way
Rt.	Right
S	South
S.F.	Square Feet
Sta.	Station
Std.	Standard
St.	Street
Twp.	Township
Typ.	Typical
UG	Underground
UPRR	Union Pacific Railroad
V	Velocity
Wt.	Weight
W	West
X-ing	Crossing

**SIGNAL**

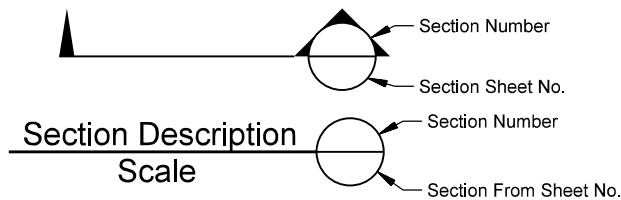
ABS	Automatic Block Signal
ATC	Automatic Train Control
CTC	Centralized Traffic Control
DED	Dragging Equipment Detector
DTC	Direct Traffic Control
ELTO	Electric Lock Turnout
HBD	Hot Box Detector
HTTO	Hand Throw Turnout
HWD	High Wide Detector
POTO	Power Operated Turnout
TWC	Track Warrant Control
WILD	Wheel Impact Load Detector

**STRUCTURES**

Bldg.	Building
Br.	Bridge
CB	Catch Basin
CPT	Concrete Pile Trestle - Ballast Deck
CIP	Cast Iron Pipe
CMP	Corrugated Metal Pipe
CMPA	Corrugated Metal Pipe Arch
CSP	Corrugated Steel Pipe
Culv.	Culvert
DI	Drop Inlet
DPGBD	Deck Plate Girder - Ballast Deck
DPGOD	Deck Plate Girder - Open Deck
EBW	East Backwall
F.L.	Flowline
F.F.	Finished Floor
GIP	Galvanized Iron Pipe
Hdwl	Headwall
NBW	North Backwall
PCB	Prestressed Concrete Box
PSCT	Prestressed Concrete Trestle
RCA	Reinforced Concrete Arch
RCB	Reinforced Concrete Box
RCP	Reinforced Concrete Pipe
SBW	South Backwall
SSP	Smooth Steel Pipe
SPTBD	Steel Pile Trestle - Ballast Deck
SPTOD	Steel Pile Trestle - Open Deck
SPP	Structural Plate Pipe
TPGBD	Through Plate Girder - Ballast Deck
TPGOD	Through Plate Girder - Open Deck
TPTBD	Timber Pile Trestle - Ballast Deck
TPTOD	Timber Pile Trestle - Open Deck
TTBD	Through Truss - Ballast Deck
TTOD	Through Truss - Open Deck
TWB	Treated Wood Box
VCP	Vitrified Clay Pipe
Viad.	Viaduct
WBW	West Backwall
WMP	Wrought Iron Pipe

**TRACK**

ATR	Above Top of Rail
Align.	Alignment
BBR	Below Base of Rail
Cntrs.	Centers
CWR	Continuous Welded Rail
DSPD	Double Switch Point Derail
EOT	End of Track
HH	Head Hardened
Jtd.	Jointed Rail
LH	Left Hand
ML	Main Line
MM	Mile Marker
MP	Mile Post
NSC	Not Sufficient Clearance
OTM	Other Track Material
PCC	Point of Compound Curve
PC	Point of Curve
PCS	Point of Curve to Spiral
POC	Point on Curve
PF	1/2" Point of Frog
PI	Point of Intersection
PITO	Point of Intersection of Turnout
PS	Point of Spiral
PSC	Point of Spiral to Curve
POS	Point on Spiral
PT	Point of Tangent
POT	Point on Tangent
Pt. Sw.	Point of Switch
PVC	Point of Vertical Curve
PVI	Point of Vertical Intersection
PVT	Point of Vertical Tangent
RH	Right Hand
SH	Second Hand
SSPD	Single Switch Point Derail
TC	Track Centers
T.F.	Track Feet
Trk.	Track
UXO	Universal Cross-Over
X-Over	Cross-Over



**UTILITIES**

AIR	Compressed Air
F/O	Fiber Optic Cable
G	Gas Pipeline
OP	Overhead Power Line
SS	Sanitary Sewer
Overhead Signal Line	Overhead Signal Line
UGS	Underground Signal Line
Steam Line	Steam Line
S	Storm Sewer
T	Telephone
UGE	Underground Electric
W	Water Main
Underground Wire	Underground Wire
UD	Under Drain
V.	Valve
M.H.	Manhole
C.B.	Catch Basin
F.H.	Fire Hydrant
Junction Box	Junction Box
Electric Meter	Electric Meter
Gas Meter	Gas Meter
Water Meter	Water Meter
M.W.	Monitoring Well
PUMP	Pump

**TRACK**

Existing Mainline	Existing Mainline
Existing Siding or Spur	Existing Siding or Spur
Proposed	Proposed
Remove	Remove
Shift	Shift
Relay	Relay
Surface & Line	Surface & Line
Future	Future
Foreign Railroad or Industry	Foreign Railroad or Industry
In Buildings or Under Structures	In Buildings or Under Structures
Turnout	Turnout
Power Turnout	Power Turnout
Bumping Post	Bumping Post
Earthen Bumper	Earthen Bumper
Inert Retarder	Inert Retarder
Dowty Retarder	Dowty Retarder
Hayes Derail	Hayes Derail
Double Switch Point Derail	Double Switch Point Derail

**PROPERTY**

Section Line	Section Line
Center Section Line	Center Section Line
Parcel or Easement Line	Parcel or Easement Line
Right of Way	Right of Way
Former Right of Way	Former Right of Way
Right of Way to be Acquired	Right of Way to be Acquired
Foreign Right of Way	Foreign Right of Way
Temporary Construction Easement	Temporary Construction Easement

**ROAD CROSSING WARNING DEVICES**

Cross Buck Sign	Cross Buck Sign
Flashing Light Warning Device	Flashing Light Warning Device
Flashing Light Warning Device with Gate	Flashing Light Warning Device with Gate
Cantilever Flashing Light Warning Device	Cantilever Flashing Light Warning Device
Cantilever Flashing Light Signal with Gate	Cantilever Flashing Light Signal with Gate

**SIGNAL**

Absolute Signal	Absolute Signal
Signal Bridge	Signal Bridge
Cantilever Signal	Cantilever Signal
ACS or CTC Signal	ACS or CTC Signal
Dwarf Signal	Dwarf Signal
Begin CTC	Begin CTC
Microwave Tower	Microwave Tower
AEI	AEI
Battery Box	Battery Box
Dragging Equipment Detector	Dragging Equipment Detector
Generator	Generator
Hot Box Detector	Hot Box Detector

**STRUCTURES**

Culvert	Culvert
Culvert with Headwalls	Culvert with Headwalls
Double Culvert	Double Culvert
Railroad Bridge	Railroad Bridge
Highway Overpass	Highway Overpass
Highway Underpass	Highway Underpass
Tunnel	Tunnel
Building	Building
Flag Pole	Flag Pole

**OTHER**

Embankment	Embankment
Flow Line	Flow Line
Milepost	Milepost
Milemarker	Milemarker
Control Point	Control Point
Revision Number	Revision Number
Revision Cloud	Revision Cloud

**SIGNS**

Stop	Stop
Yard Limit	Yard Limit
1 Mile to Yard Limit	1 Mile to Yard Limit
Whistle Post	Whistle Post
Flanger	Flanger
Station	Station
Reduce Speed	Reduce Speed
Resume Speed	Resume Speed
General Purpose	General Purpose

**FENCES**

Barbed Wire	Barbed Wire
Chain Link	Chain Link
Snow / Sand	Snow / Sand
Cattle Guard	Cattle Guard

**ROADS**

Paved Road	Paved Road
Unimproved Road	Unimproved Road
Interstate Highway	Interstate Highway
Federal Highway	Federal Highway
State Highway	State Highway
County Highway	County Highway

**PERMITTING**

Temporary Workspace - Permitted	Temporary Workspace - Permitted
Sensitive Resources - Impacted / Permitted	Sensitive Resources - Impacted / Permitted
Sensitive Resources - Do Not Impact	Sensitive Resources - Do Not Impact

**CONSTRUCTION**

Note (Work by Contractor)	Note (Work by Contractor)
Note (Work by Others)	Note (Work by Others)
Cut Lines	Cut Lines
Fill Lines	Fill Lines
Grading Limits	Grading Limits

**LIGHTING**

Light Pole	Light Pole
Light Tower	Light Tower

**WILSON & COMPANY**  
 11422 MIRACLE HILLS DRIVE  
 SUITE #308  
 OMAHA, NE 68154  
 (402) 896-6100



DRAWN BY:	JRW
CHECKED BY:	ZDH
DATE:	07/14/2021
SHEET NUMBER:	G004 of 006

**UNION PACIFIC RAILROAD**  
 LOCATION & DESIGN  
 Wh

Action No.: SWL-2021-00254  
 Near Hensley, Arkansas  
 UPRR Hensley Siding Project  
 Sections 4, 9, & 16, T. 3 S., R. 11 W.  
 September 28, 2021  
 Page 13 of 29

Color: table: c:\wcpw\ad0188283\UPRR.tb1  
 pw:\wcpw\ad0188283\UPRR.tb1  
 G:\wcpw\ad0459612\G-004.dgn  
 7/14/2021

Control Points						
Point	Project Station	Offset	Northing	Easting	Elevation	Description
CP 1	1027+74.54	17.57 LT	1979132.53	1251261.48	253.31	5/8 REBAR
CP 2	1052+53.43	15.08 LT	1976713.73	1251803.98	242.86	5/8 REBAR
CP 3	1078+92.89	11.23 LT	1974137.74	1252379.34	237.23	5/8 REBAR
CP 4	1103+79.92	10.33 LT	1971711.11	1252924.14	240.08	5/8 REBAR
CP 4A	1112+52.08	12.49 LT	1970860.68	1253117.62	243.16	5/8 REBAR
CP 5	1124+06.48	11.45 LT	1969735.81	1253374.49	248.63	5/8 REBAR
CP 6	1133+01.48	11.63 LT	1968924.23	1253735.73	251.34	5/8 REBAR
CP 6A	1143+86.53	11.66 RT	1967994.22	1254294.67	255.84	5/8 REBAR
CP 7	1148+06.77	10.16 LT	1967635.95	1254515.03	259.85	5/8 REBAR
CP 7A	1152+45.88	11.56 LT	1967224.30	1254671.33	261.45	5/8 REBAR
CP 8	1156+39.65	11.5 LT	1966838.78	1254757.51	262.76	5/8 REBAR
CP 9	1167+38.55	11.45 LT	1965744.43	1254863.84	267.60	5/8 REBAR
CP 10	1170+40.91	19.45 LT	1965444.93	1254901.82	269.99	5/8 REBAR

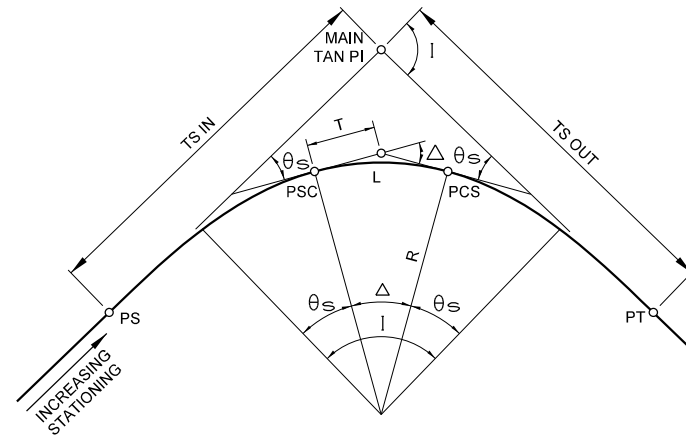


FIGURE A  
CIRCULAR CURVES  
WITH SPIRAL TRANSITION

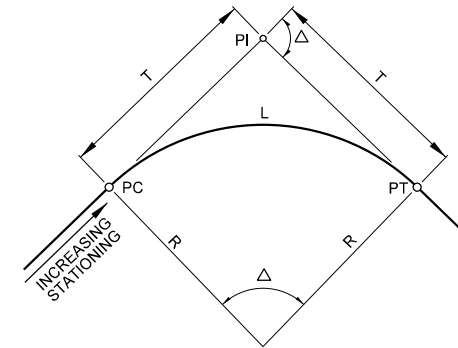


FIGURE B  
SIMPLE CIRCULAR CURVE

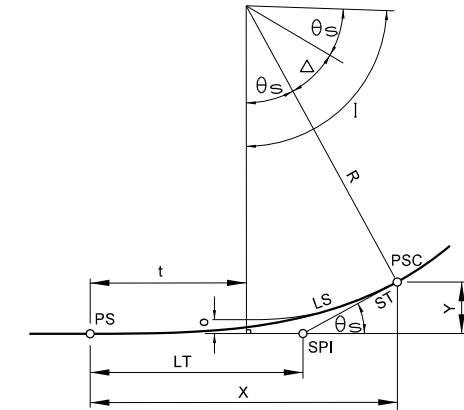


FIGURE C  
SPIRAL TRANSITION CURVE

SPIRAL TRANSITION CURVE DATA:  
THE SPIRAL USED IS DEFINED BY THE TALBOT SPIRAL.

- | - TOTAL INTERSECTION ANGLE
- $\theta_s$  - SPIRAL ANGLE =  $\frac{AL^2}{2}$
- $\Delta$  - CENTRAL ANGLE OF CIRCULAR CURVE =  $| - 2 \theta_s$
- Dc - DEGREE OF CURVE
- A - RATE OF CHANGE OF DEGREE OF CURVE PER 100-FT. OF LENGTH =  $\frac{Dc}{L}$
- R - RADIUS OF CIRCULAR CURVE
- T - TANGENT LENGTH OF CIRCULAR CURVE =  $R \tan \frac{\Delta}{2}$
- L - LENGTH OF CIRCULAR CURVE =  $\frac{\Delta}{Dc} \times 100$
- PS - TANGENT TO SPIRAL
- PSC - SPIRAL TO CURVE
- PCS - CURVE TO SPIRAL
- PT - SPIRAL TO TANGENT

MAIN TAN PI - POINT OF INTERSECTION OF MAIN TANGENTS  
(TS IN)  
(TS OUT) - TANGENT LENGTH OF COMPLETE CURVE =  $(R+o) \tan \frac{1}{2} + t$

(WHEN SPIRALS OF EQUAL LENGTH  
ARE USED ON BOTH SIDES OF  
CIRCULAR CURVE, SEE FIGURE C.  
FOR o AND t).

- R = RADIUS OF CIRCULAR CURVE
- $\Delta$  = CENTRAL ANGLE OF CIRCULAR CURVE
- $T = R \tan \frac{\Delta}{2}$
- $L = \frac{\Delta}{Dc} \times 100$
- $Dc = 2 \sin^{-1} (50/R) =$  DEGREE OF CURVE  
(CHORD DEFINITION)

- LS = LENGTH OF SPIRAL (TS TO PSC)
- $\theta_s = \frac{AL^2}{2}$
- $X = 100 L_1 - 0.000762A^2 L_1^5$
- $Y = 0.291AL_1^3 - 0.00000158A^3 L_1^7$
- $o = 0.0727AL_1^3$
- $t = 50L_1 - 0.000127A^2 L_1^5$
- $ST = \frac{Y}{\sin \theta_s}$
- $LT = X - \frac{Y}{\tan \theta_s}$
- $Dc = 2 \sin^{-1} (50/R) =$  DEGREE OF CURVE (CHORD DEFINITION)

$L_1$  - TOTAL NO. OF STATIONS IN SPIRAL  
SPI - SPIRAL POINT OF INTERSECTION

NOTE: Dc,  $\theta_s$ ,  $\Delta$ , AND | ARE IN DEGREES.  
ALL OTHERS DIMENSIONS ARE FEET.

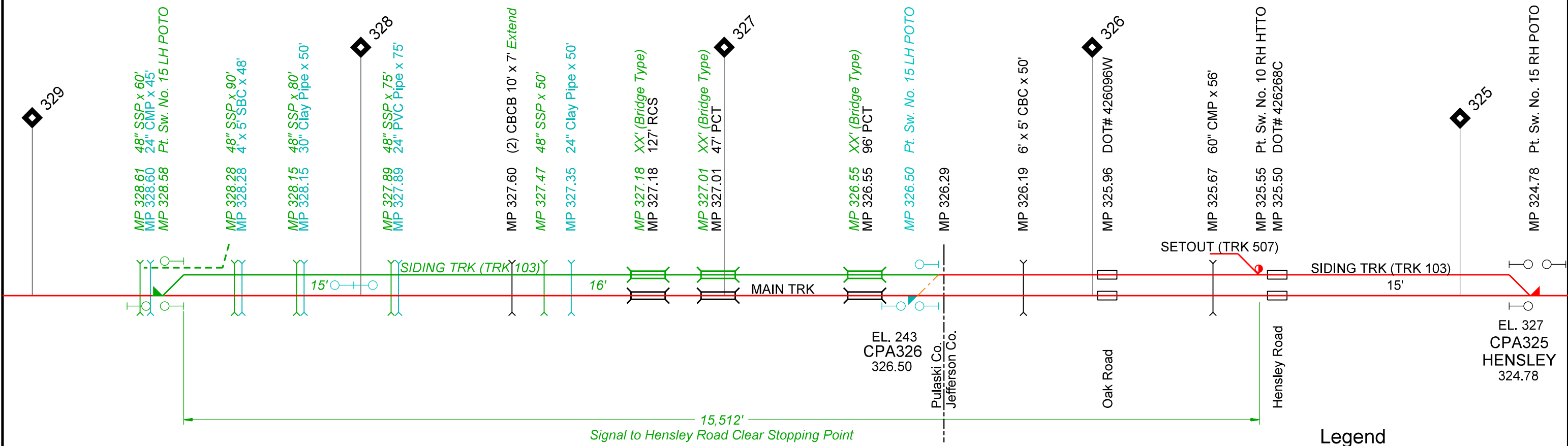
Color: table: c:\wcpw\0188283\UPRR.tbj  
pw:\wils\pw\ben\lel\com\wils\pw\Documents\8400-Rail\UPRR\Track\20-400-179-00 UPRR - Hensley Siding Extension\2\_Disciplines\CADD\_Resources\UPRR\_V8\_Pentable  
G:\wcpw\00459612\G-005.dgn  
Defautc  
7/14/2021

<p>11422 MIRACLE HILLS DRIVE SUITE #308 OMAHA, NE 68154 (402) 896-6100</p>		DRAWN BY: JRW	<p>LOCATION &amp; DES Wh</p>	Action No.: SWL-2021-00254
		CHECKED BY: ZDH		Near Hensley, Arkansas
		DATE: 07/14/2021		UPRR Hensley Siding Project
		SHEET NUMBER G005 of 006		Sections 4, 9, & 16, T. 3 S., R. 11 W. September 28, 2021
			SHEET TITLE: CONTACT INFO & Geometry	Page 14 of 29

Color: table: c:\wcpw\d0188283\UPRR.tbj  
 pw:\wils\pw\_bentley.com\wils\pw\Documents\8400-Rail\UPRR\Track\20-400-179-00 UPRR - Hensley Siding Extension\2-Descriptions\CADD\_Resources\_Publishing\UPRR\_V8\_Pentable  
 G:\wcpw\d0459612\G-006.dgn  
 Defaulc  
 7/14/2021

To White Bluff  
 & N. UPRR Conn.  
 (Timetable South)

To Hensley  
 & LR JCT.  
 (Timetable North)



Legend

	Existing	Remove	Shift	Proposed
Access Road	---	---	---	---
Track	---	---	---	---
Crew Change Pad	■	■	■	■
Xing Panel	□	□	□	□
Hand Throw Switch	●	●	●	●
Power Operated Switch	▲	▲	▲	▲
Power Derail	✓	✓	✓	✓
Hayes Derail	✓	✓	✓	✓
Absolute Signal	○	○	○	○
Culvert	—	—	—	—
Bridge	—	—	—	—

11422 MIRACLE HILLS DRIVE  
 SUITE #308  
 OMAHA, NE 68154  
 (402) 896-6100

DRAWN BY: JRW  
 CHECKED BY: ZDH  
 DATE: 07/14/2021  
 SHEET NUMBER: G006 of 006

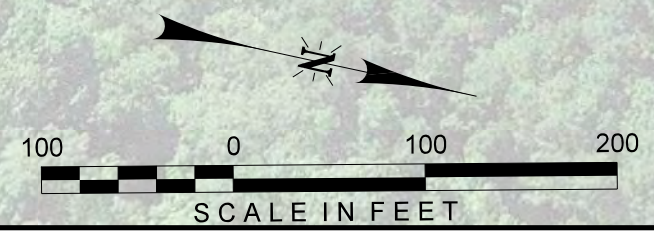
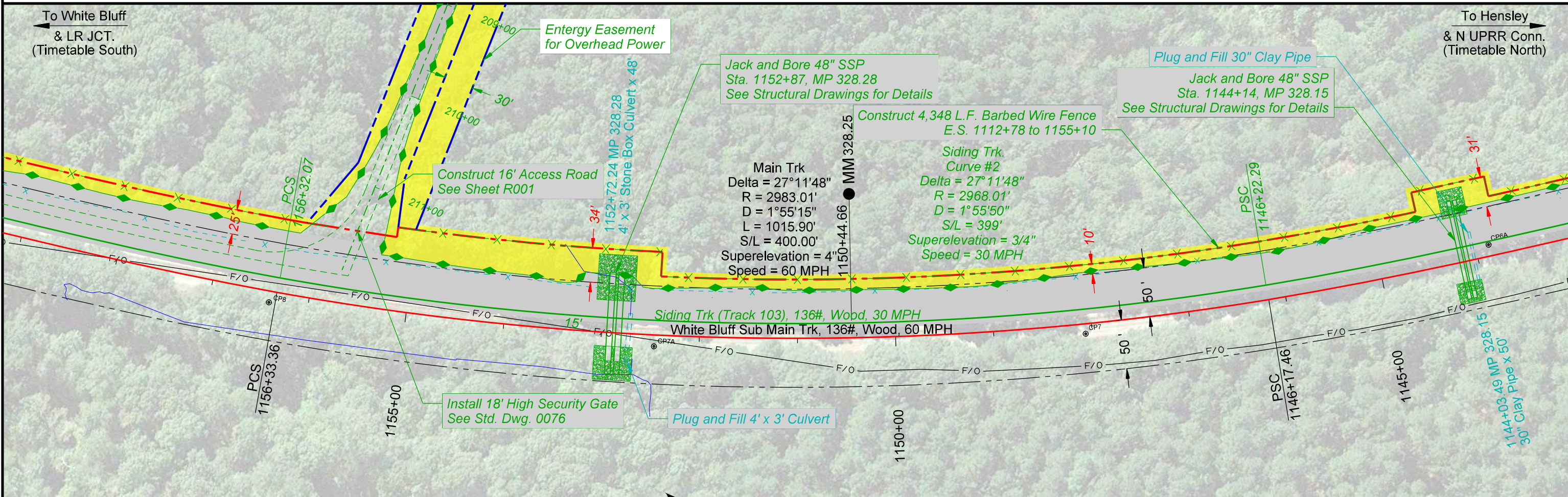
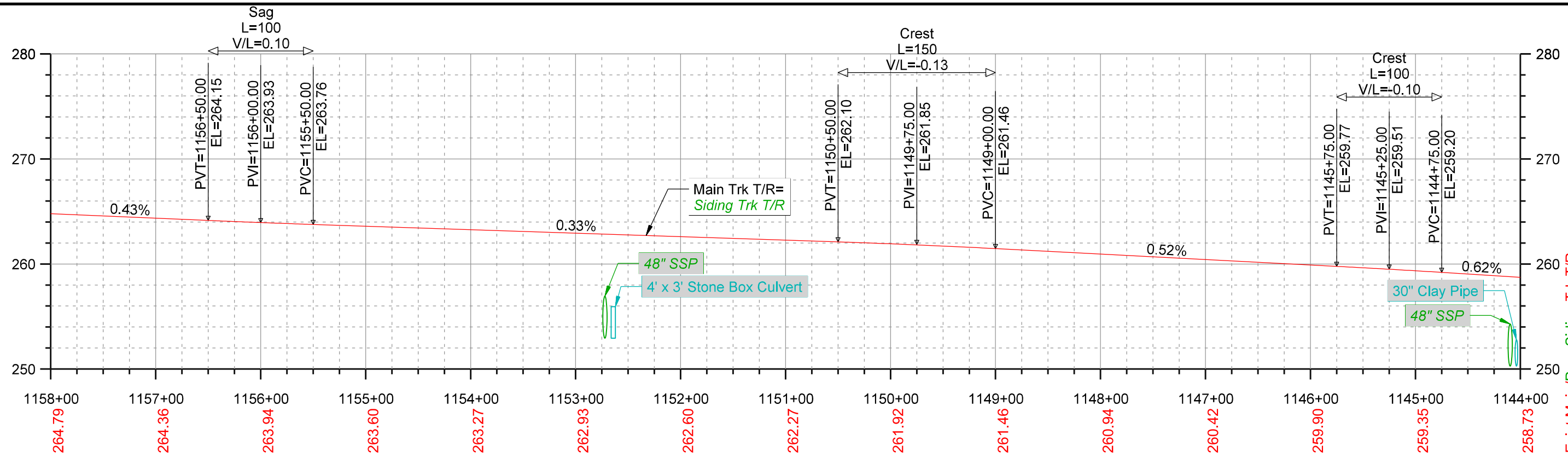
**UNION RAILROAD**  
 LOCATION & DESIGN  
 Wh  
 SHEET TITLE:

Action No.: SWL-2021-00254  
 Near Hensley, Arkansas  
 UPRR Hensley Siding Project  
 Sections 4, 9, & 16, T. 3 S., R. 11 W.  
 September 28, 2021

Page 15 of 29



Color: table: c:\wcpw\ad0188283\UPRR.tbl  
 pw:\wils\pw\_bentley.com\wils\pw\Documents\8400-00-179-00 UPRR - Hensley Siding Extension\2\_Disciplines\CADD\_Resources\UPRR\_V8\_Pentable  
 G:\wcpw\ad0459613\002.dgn  
 7/14/2021



**WILSON & COMPANY**  
 11422 MIRACLE HILLS DRIVE  
 SUITE #308  
 OMAHA, NE 68154  
 (402) 896-6100

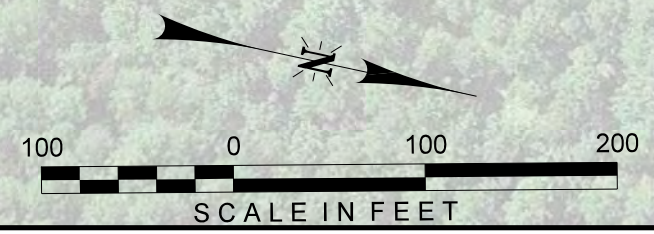
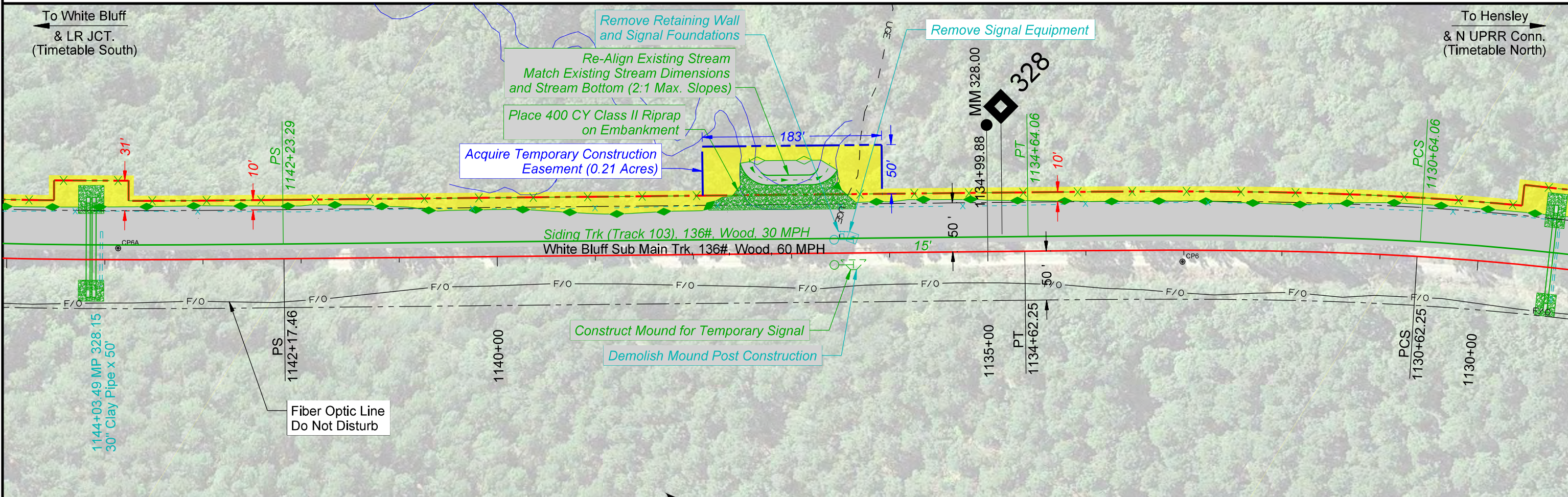
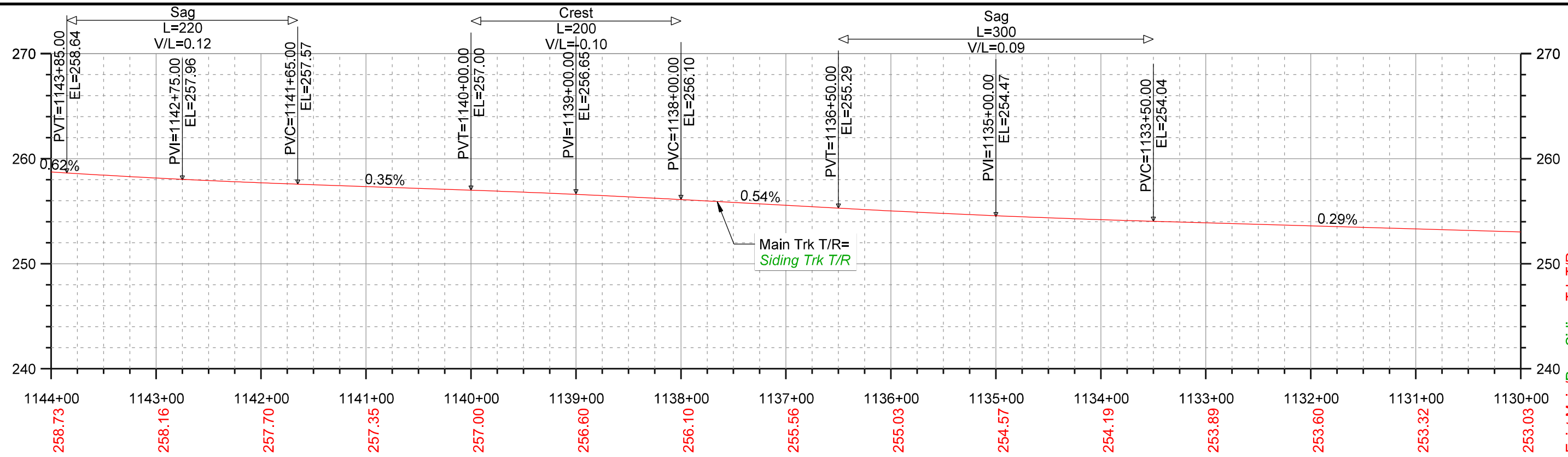


DRAWN BY: JRW  
 CHECKED BY: ZDH  
 DATE: 07/14/2021  
 SHEET NUMBER: P002 of 016



Action No.: SWL-2021-00254  
 Near Hensley, Arkansas  
 UPRR Hensley Siding Project  
 Sections 4, 9, & 16, T. 3 S., R. 11 W.  
 September 28, 2021  
 Page 17 of 29

c:\wcpw\0459613\003.dgn  
 G:\wcpw\0459613\003.dgn  
 7/14/2021



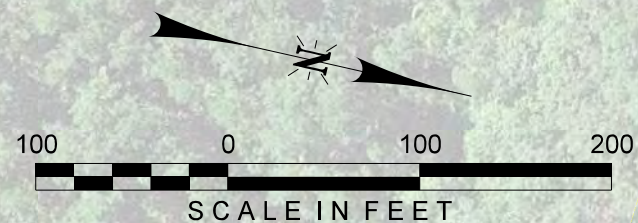
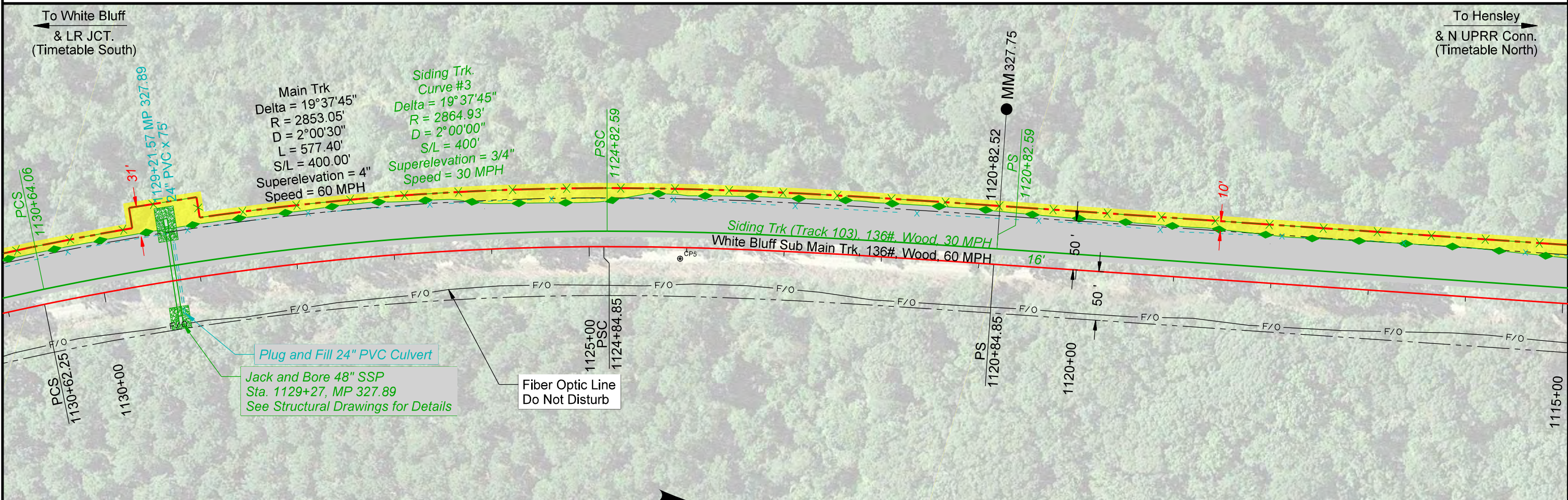
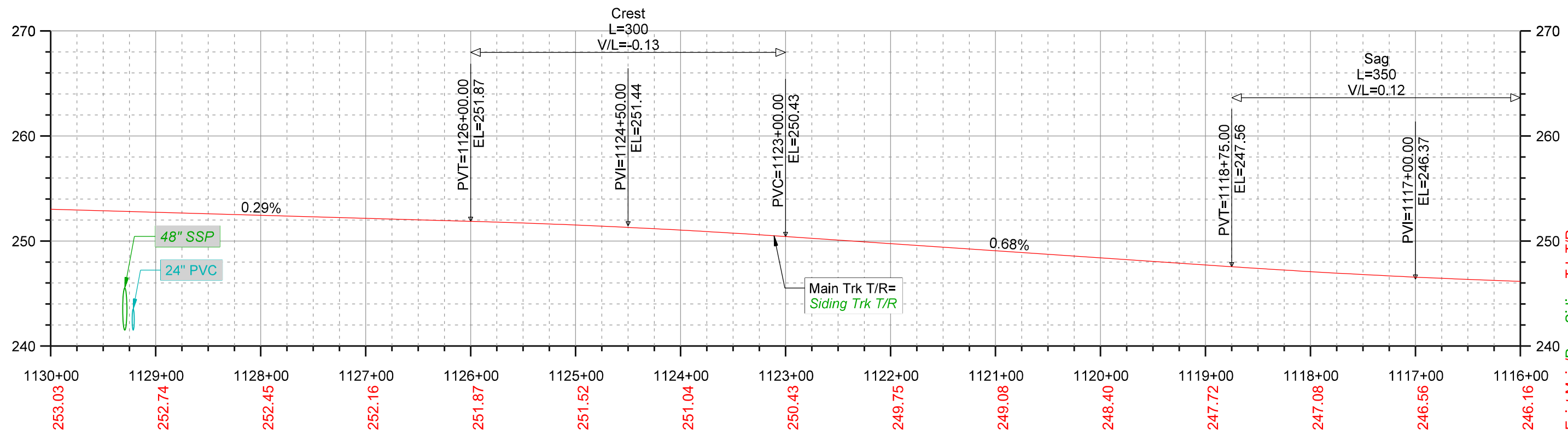
**WILSON & COMPANY**  
 11422 MIRACLE HILLS DRIVE  
 SUITE #308  
 OMAHA, NE 68154  
 (402) 896-6100



DRAWN BY:	JRW
CHECKED BY:	ZDH
DATE:	07/14/2021
SHEET NUMBER:	P003 of 016

<b>UNION RAILROAD</b> LOCATION & DESCRIPTION Wh	Action No.: SWL-2021-00254
	Near Hensley, Arkansas
	UPRR Hensley Siding Project
	Sections 4, 9, & 16, T. 3 S., R. 11 W.
SHEET TITLE:	September 28, 2021
	Page 18 of 29

Color: table: c:\wcpw\0188283\UPRR.tbl  
 pw:\wils\pw\_bentley.com\wils\pw\Documents\8400-Rail\UPRR\Track\20-400-179-00 UPRR - Hensley Siding Extension\2\_Discipline\CADD\_Resources\CADD\_Resources\UPRR\_V8\_L\_Pentable  
 G:\wcpw\0459613\004.dgn  
 Defplot:  
 7/14/2021



**WILSON & COMPANY**  
 11422 MIRACLE HILLS DRIVE  
 SUITE #308  
 OMAHA, NE 68154  
 (402) 896-6100

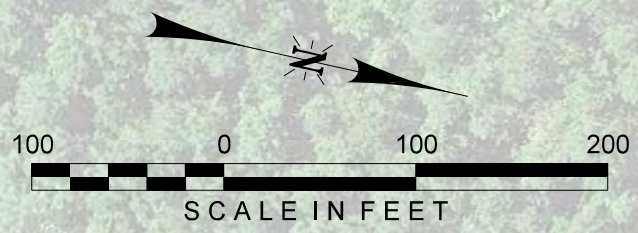
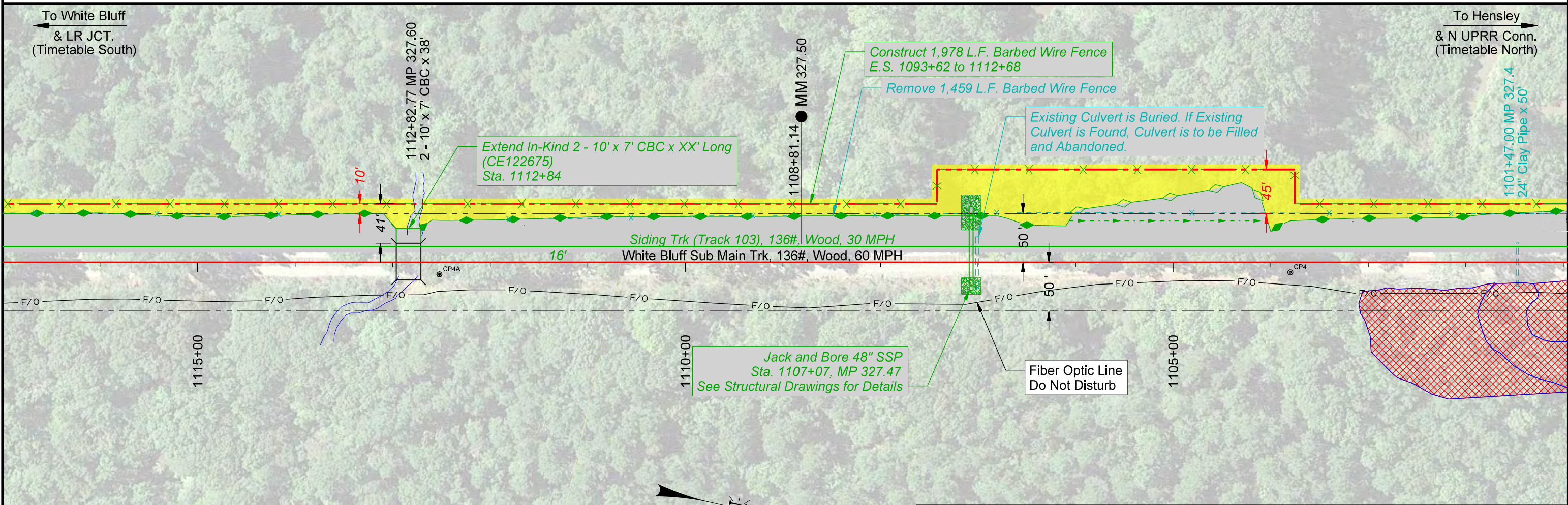
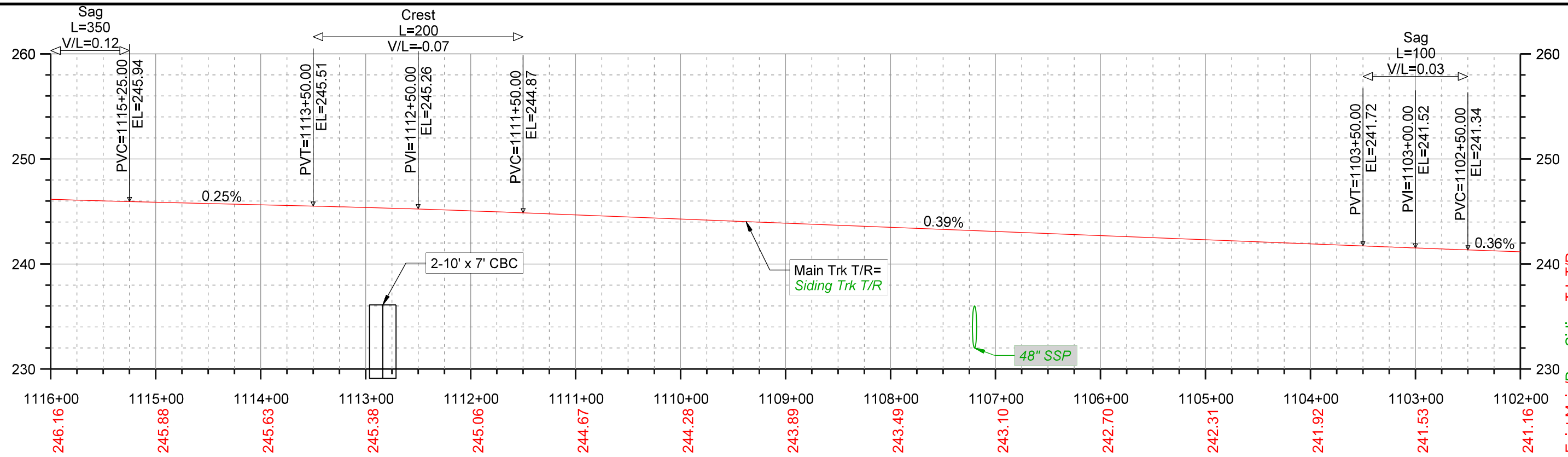


DRAWN BY:	JRW
CHECKED BY:	ZDH
DATE:	07/14/2021
SHEET NUMBER:	P004 of 016



Action No.: SWL-2021-00254	
Near Hensley, Arkansas	
UPRR Hensley Siding Project	
Sections 4, 9, & 16, T. 3 S., R. 11 W.	
September 28, 2021	
SHEET TITLE:	Track Plan & Profile - Sta. 1115+00 to 1130+00

Color: table: c:\wcpw\0188283\UPRR.tbl  
 pw:\wils\pw\ben\leu\com\wils\pw\Documents\8400-RR1\UPRR\Track\20-400-179-00 UPRR - Hensley Siding Extension\2\_Discipline\CADD\_Resources\UPRR\_VB1\_Pentable  
 G:\wcpw\00459613\005.dgn  
 Defplot:  
 7/14/2021



**WILSON & COMPANY**  
 11422 MIRACLE HILLS DRIVE  
 SUITE #308  
 OMAHA, NE 68154  
 (402) 896-6100



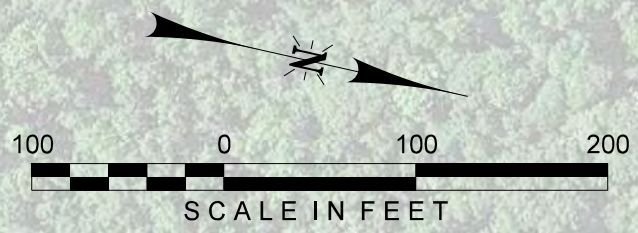
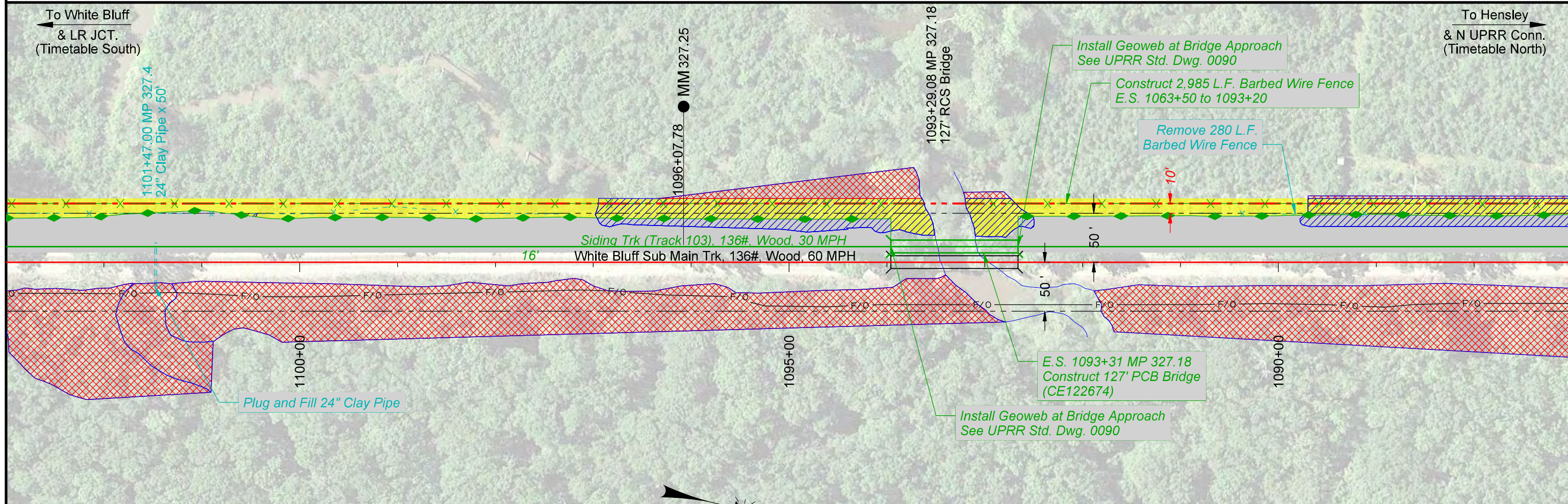
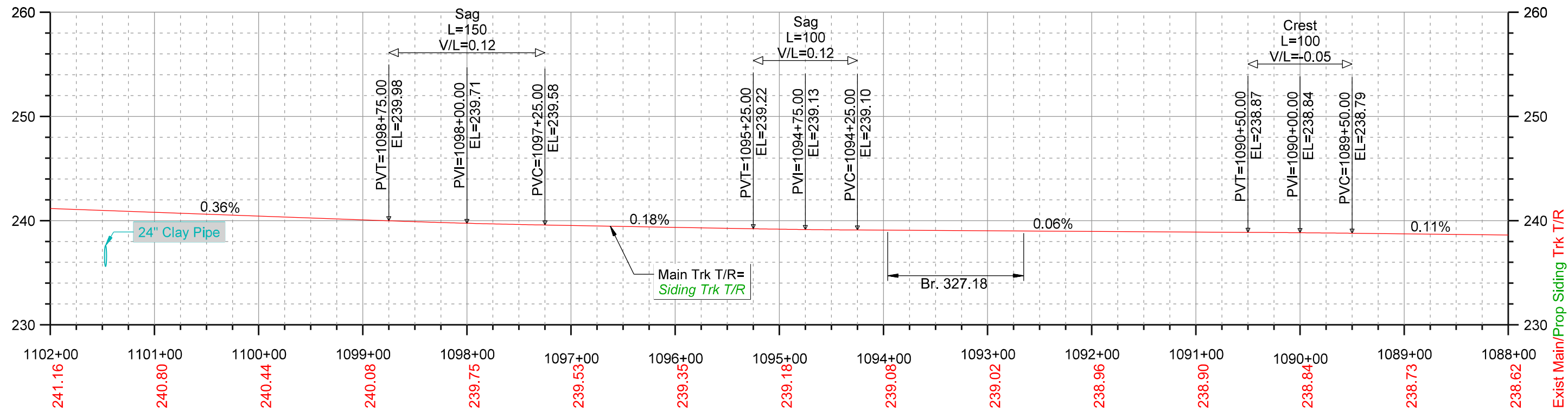
DRAWN BY:	JRW
CHECKED BY:	ZDH
DATE:	07/14/2021
SHEET NUMBER:	P005 of 016



Action No.: SWL-2021-00254	
Near Hensley, Arkansas	
UPRR Hensley Siding Project	
Sections 4, 9, & 16, T. 3 S., R. 11 W.	
September 28, 2021	Page 20 of 29



Color: table: c:\wcpw\0188283\UPRR.tbl  
 pw:\wils\pw\ben\le\com\wils\pw\Documents\8400-Res1\UPRR\Track\20-400-179-00 UPRR - Hensley Siding Extension\2\_Disciplines\CADD\_Resources\UPRR\_V8\_L\_Pentable  
 G:\wcpw\00459613\006.dgn  
 Defplot:  
 7/14/2021



**WILSON & COMPANY**  
 11422 MIRACLE HILLS DRIVE  
 SUITE #308  
 OMAHA, NE 68154  
 (402) 896-6100

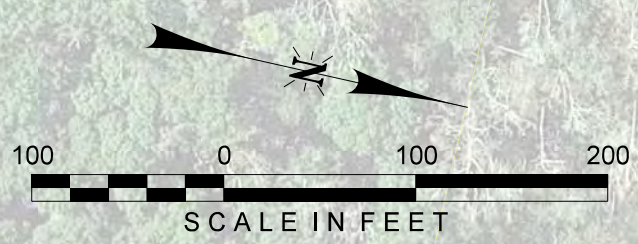
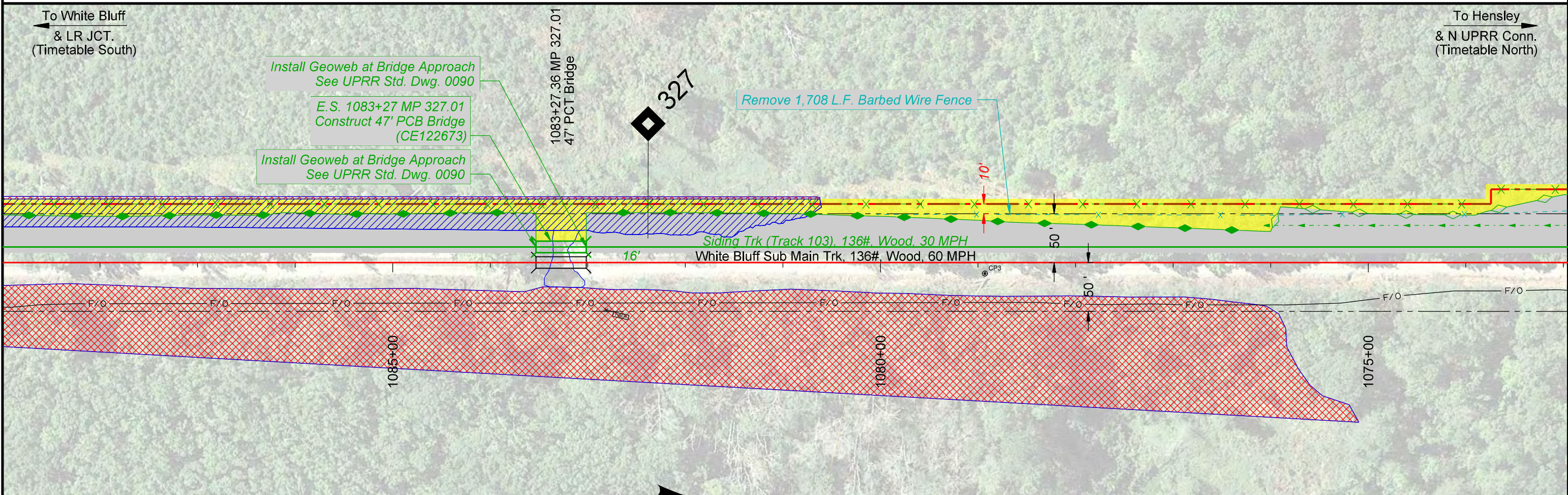
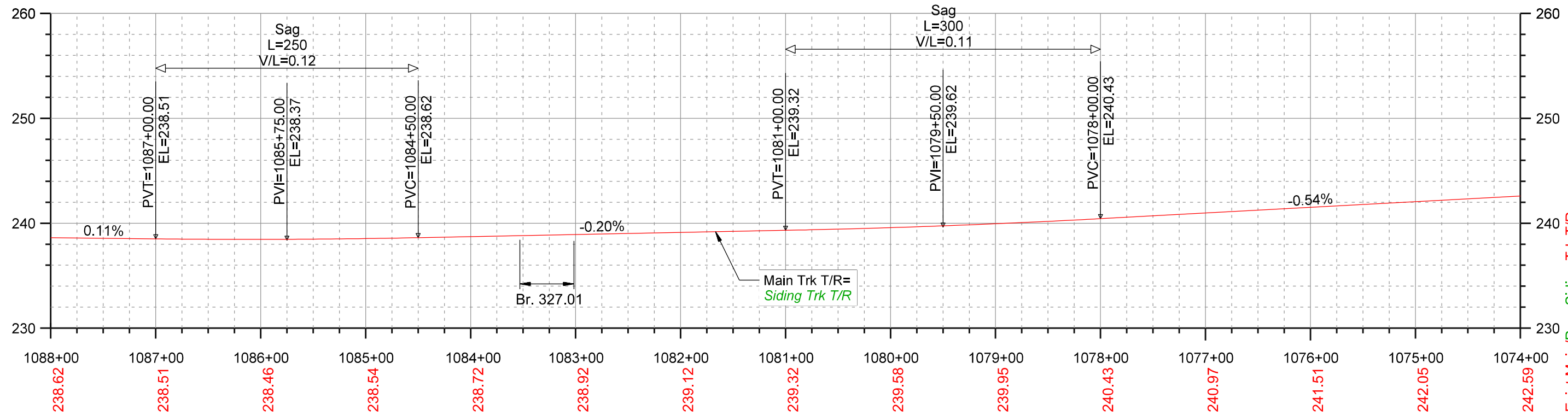


DRAWN BY: JRW  
 CHECKED BY: ZDH  
 DATE: 07/14/2021  
 SHEET NUMBER: P006 of 016

**UNION RAILROAD**  
 LOCATION & DESIGN  
 Wh  
 SHEET TITLE: Track Plan & Profile

Action No.: SWL-2021-00254  
 Near Hensley, Arkansas  
 UPRR Hensley Siding Project  
 Sections 4, 9, & 16, T. 3 S., R. 11 W.  
 September 28, 2021  
 Page 21 of 29

Color: table: c:\wcpw\0188283\UPRR.tbl  
 pw:\wils\pw\ben\le.com\wils\pw\Documents\8400-Rail\UPRR\Track\20-400-179-00 UPRR - Hensley Siding Extension\2\_Disciplines\CADD\_Resources\_Publishing\UPRR\_V8\_L\_Pentable  
 G:\wcpw\0459613\007.dgn  
 Defplot:  
 7/14/2021



**WILSON & COMPANY**  
 11422 MIRACLE HILLS DRIVE  
 SUITE #308  
 OMAHA, NE 68154  
 (402) 896-6100

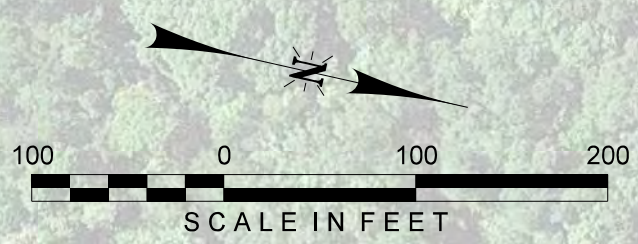
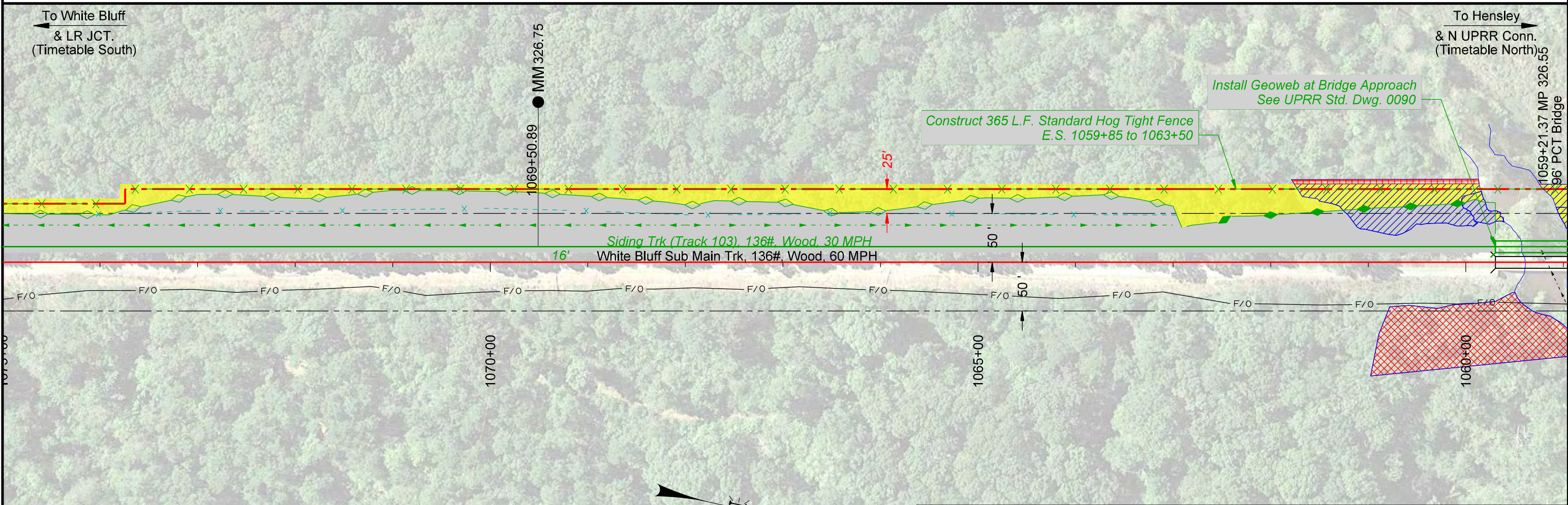
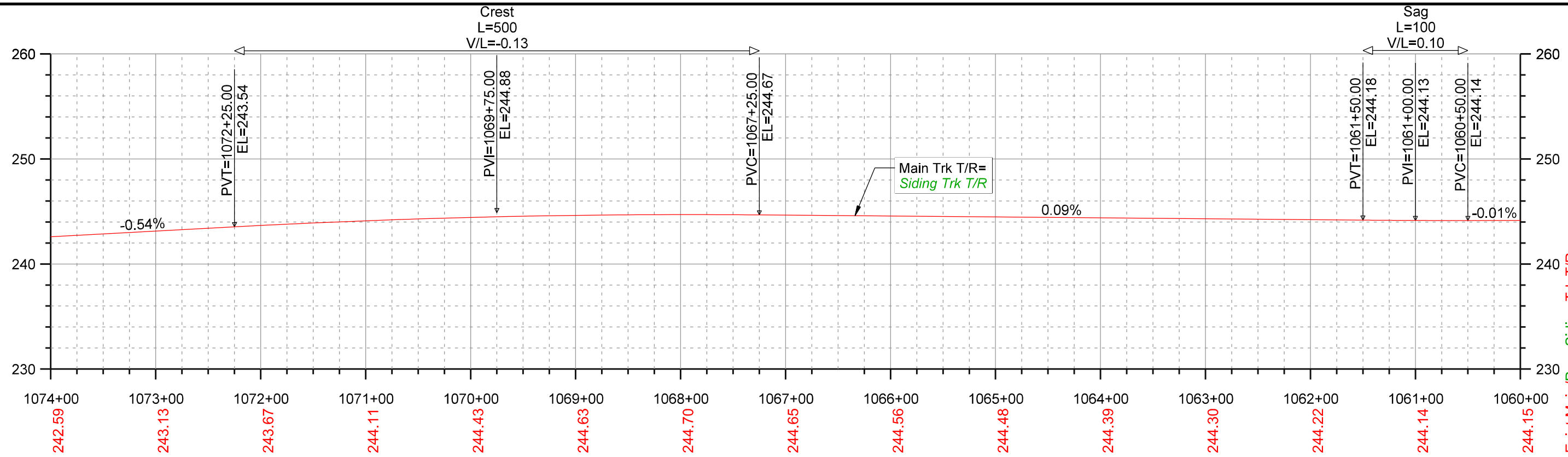


DRAWN BY:	JRW
CHECKED BY:	ZDH
DATE:	07/14/2021
SHEET NUMBER:	P007 of 016

**UNION RAILROAD**  
 LOCATION & DESIGN  
 Wh

Action No.: SWL-2021-00254	
Near Hensley, Arkansas	
UPRR Hensley Siding Project	
Sections 4, 9, & 16, T. 3 S., R. 11 W.	
September 28, 2021	Page 22 of 29

Color: table: c:\wcpw\0188283\UPRR.tbj  
 pw:\wils\pw\_bentley.com\wils\pw\Documents\8400-Rail\UPRR\Track\20-400-179-00 UPRR - Hensley Siding Extension\2\_Disciplines\CADD\_Resources\Publishing\UPRR\_VB1\_Pentable  
 G:\wcpw\0459613\008.dgn  
 Defplot:  
 7/14/2021



**WILSON & COMPANY**  
 11422 MIRACLE HILLS DRIVE  
 SUITE #308  
 OMAHA, NE 68154  
 (402) 896-6100



DRAWN BY:	JRW
CHECKED BY:	ZDH
DATE:	07/14/2021
SHEET NUMBER:	P008 of 016

**UNION RAILROAD**  
 LOCATION & DESCRIPTION  
 Wh

Action No.:	SWL-2021-00254
Location:	Near Hensley, Arkansas
Project:	UPRR Hensley Siding Project
Sections:	Sections 4, 9, & 16, T. 3 S., R. 11 W.
Date:	September 28, 2021
Page:	Page 23 of 29



To White Bluff  
& LR JCT.  
(Timetable South)

To Hensley  
& N. UPRR Conn.  
(Timetable North)

Clear Vegetation and Sight  
Obstructions in This Area  
(0.88 Acres)

Sight Line to Signal

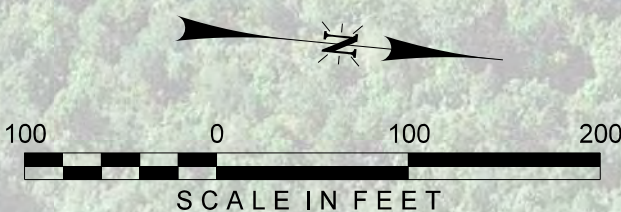
White Bluff Sub Main Trk, 136# Wood, 60 MPH

Signal Cabin

Signal

1165+86.13 MP 328.60  
24" CMP x 45'  
1165+47.48 Pt. SW  
No. 15 LH FOTO  
SPRG Frog  
MP 328.58

Color: table: c:\wcpw\d0188283\UPRR.tbl  
 pw:\wils\pw\ben\leu\com\wils\pw\Documents\8400-Rail\UPRR\Track\20-400-179-00 UPRR - Hensley Siding Extension\2\_Discipline\CADD\_Resources\_Publishing\UPRR\_V8\_Pentable  
 G:\wcpw\d0459613\016.dgn  
 Defplot: 7/14/2021



**WILSON & COMPANY**  
 11422 MIRACLE HILLS DRIVE  
 SUITE #308  
 OMAHA, NE 68154  
 (402) 896-6100



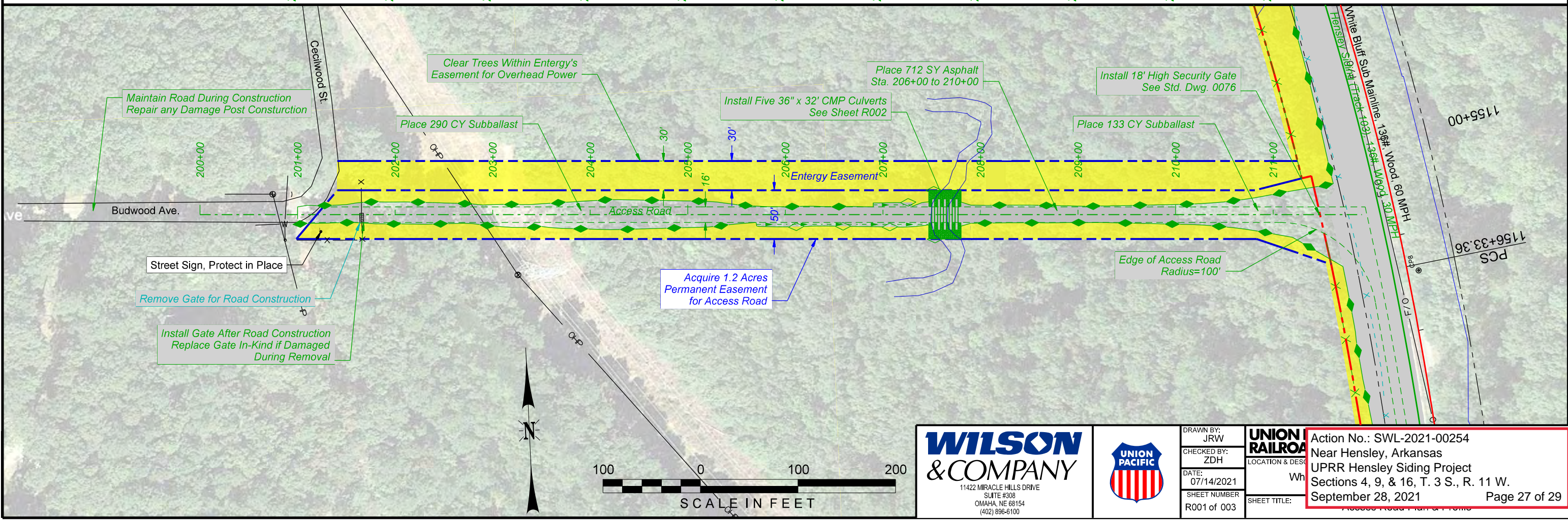
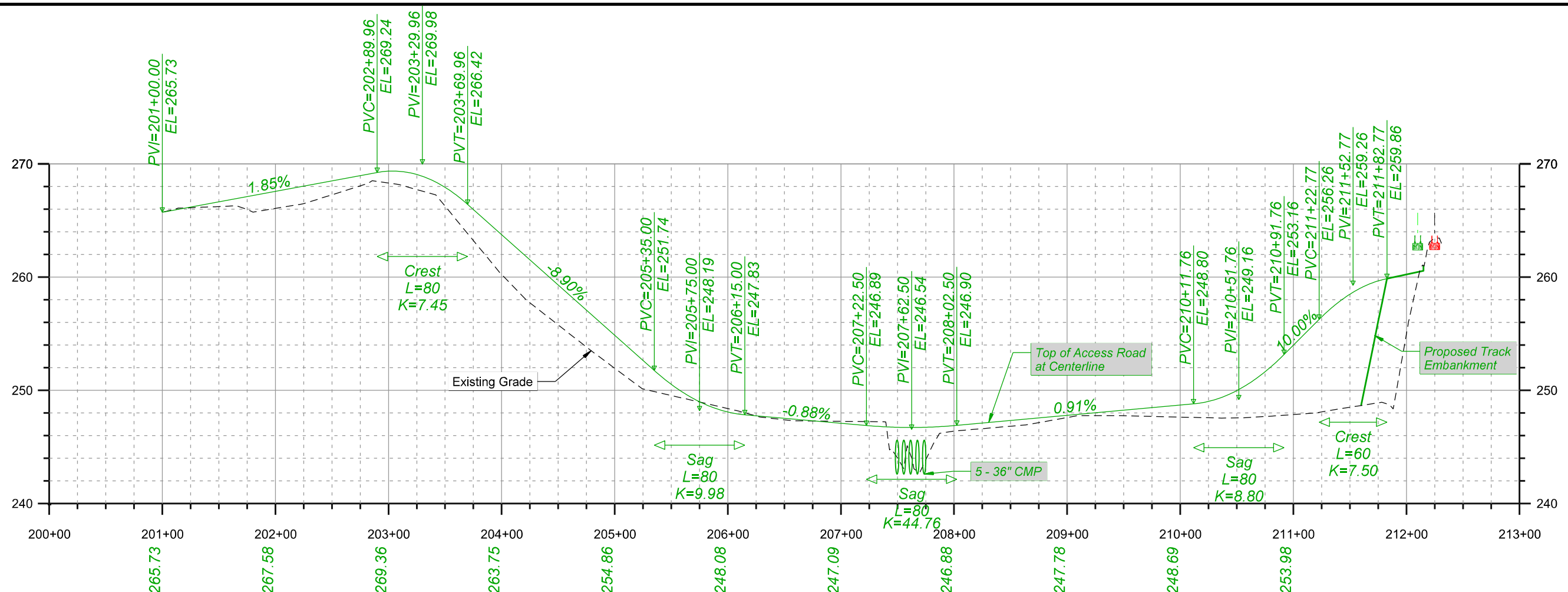
DRAWN BY: JRW  
 CHECKED BY: ZDH  
 DATE: 07/14/2021  
 SHEET NUMBER: P016 of 016

**UNION RAILROAD**  
 LOCATION & DESCRIPTION  
 White Bluff

Action No.: SWL-2021-00254  
 Near Hensley, Arkansas  
 UPRR Hensley Siding Project  
 Sections 4, 9, & 16, T. 3 S., R. 11 W.  
 September 28, 2021 Page 25 of 29



Color: table: c:\wcpipw\d0188283\UPRR.tbl  
 pw:\wils\pw\ben\teley.com\115-pw\Documents\8400-Rail\UPRR\Track\20-400-179-00 UPRR - Hensley Siding Extension\2\_Disciplines\CADD\_Resources\_Publishing\UPRR\_VB1\_Pentable  
 G:\wcpipw\d0459613\NR-001.dgn  
 Defplot1  
 7/14/2021



**WILSON & COMPANY**  
 11422 MIRACLE HILLS DRIVE  
 SUITE #308  
 OMAHA, NE 68154  
 (402) 896-6100

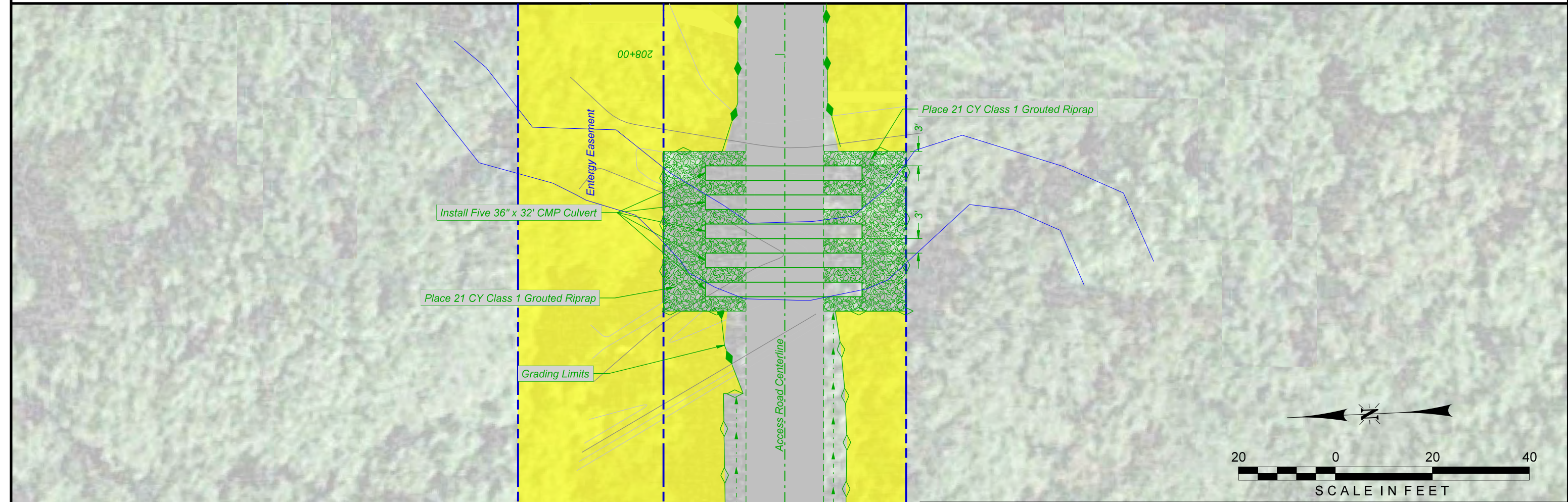
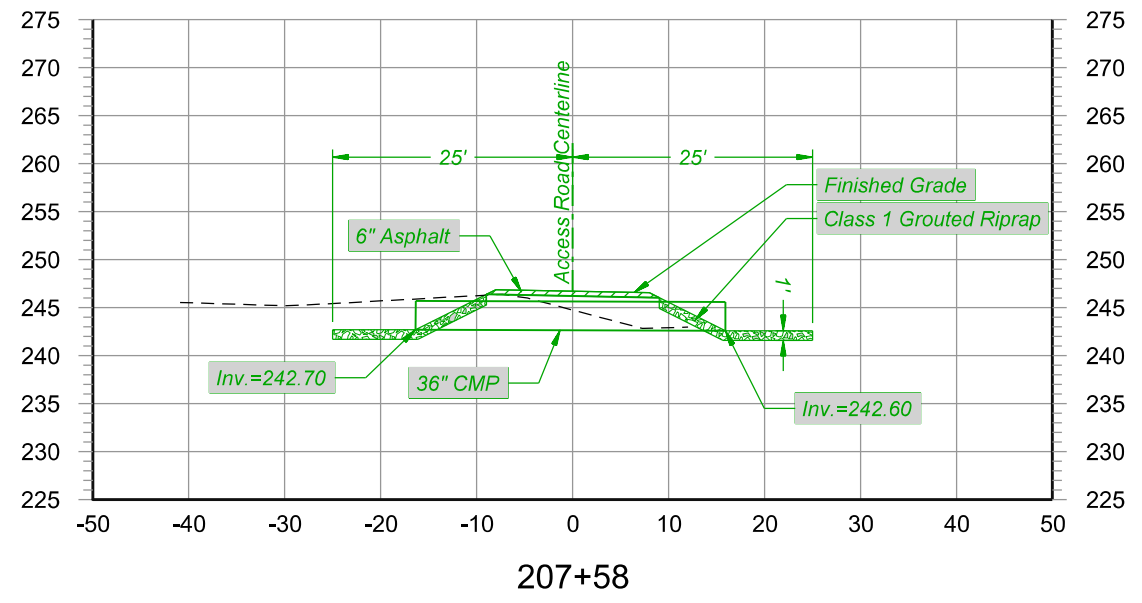


DRAWN BY: JRW  
 CHECKED BY: ZDH  
 DATE: 07/14/2021  
 SHEET NUMBER: R001 of 003

**UNION RAILROAD**  
 LOCATION & DESCRIPTION  
 Wh  
 SHEET TITLE:

Action No.: SWL-2021-00254  
 Near Hensley, Arkansas  
 UPRR Hensley Siding Project  
 Sections 4, 9, & 16, T. 3 S., R. 11 W.  
 September 28, 2021  
 Page 27 of 29

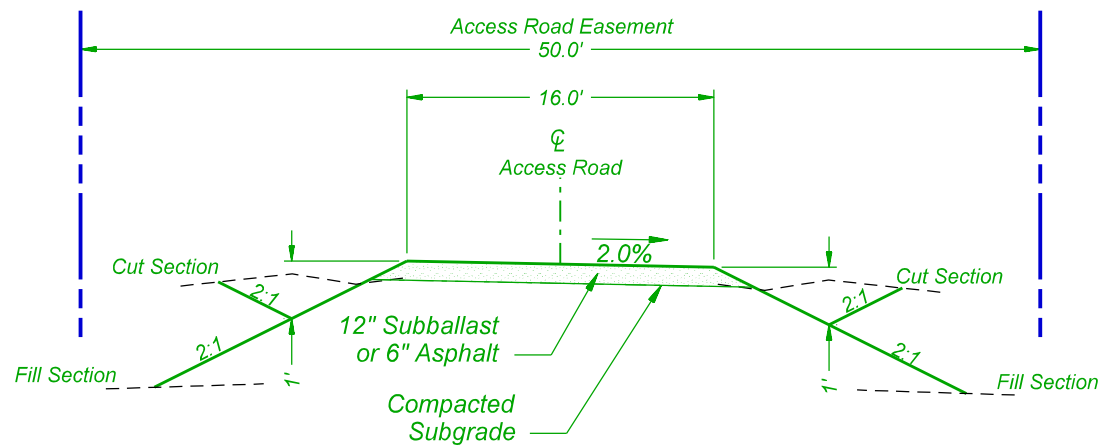
Color: table: c:\wcpw\d0188283\UPRR.tbl  
pw:\wils\pw\_bentley.com\wils\pw\Documents\8400-Rail\UPRR\Track\20-400-179-00 UPRR - Hensley Siding Extension\2\_Disciplines\CADD\_Resources\Publishing\UPRR\_V8\_Pentable  
G:\wcpw\d0459613\R-002.dgn  
7/14/2021






<b>WILSON &amp; COMPANY</b> 11422 MIRACLE HILLS DRIVE SUITE #308 OMAHA, NE 68154 (402) 896-6100		DRAWN BY: JRJW	<b>UNION RAILROAD</b> LOCATION & DESIGN Wh SHEET TITLE: Culvert Section
		CHECKED BY: ZDH	
		DATE: 07/14/2021	
		SHEET NUMBER: R002 of 003	
Action No.: SWL-2021-00254 Near Hensley, Arkansas UPRR Hensley Siding Project Sections 4, 9, & 16, T. 3 S., R. 11 W. September 28, 2021		Page 28 of 29	



c:\wipw\d0188283\UPRR.tbj  
 c:\wipw\d0459613\Documents\8400-R01\UPRR\Track\20-400-179-00 UPRR - Hensley Siding Extension\2\_Disciplines\CADD\_Resources\_Publishing\UPRR\_VB1\_Pentable  
 c:\wipw\d0459613\R-003.dgn  
 7/14/2021



TYPICAL SECTION FOR ACCESS ROAD

 <p><b>WILSON &amp; COMPANY</b>          11422 MIRACLE HILLS DRIVE          SUITE #308          OMAHA, NE 68154          (402) 896-6100</p>		DRAWN BY: JRW		Action No.: SWL-2021-00254 Near Hensley, Arkansas UPRR Hensley Siding Project Sections 4, 9, & 16, T. 3 S., R. 11 W. September 28, 2021
		CHECKED BY: ZDH		LOCATION & DESCRIPTION: Wh
		DATE: 07/14/2021		SHEET TITLE: Access Road Typical Section
		SHEET NUMBER: R003 of 003		Page 29 of 29