



US Army Corps
of Engineers®
Little Rock District

PUBLIC NOTICE

CORPS OF ENGINEERS

Application Number: SWL 2021-00250

Date: March 27, 2023

Comments Due: April 26, 2023

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, Johnny McLean, telephone number: (501) 340-1382, mailing address: Little Rock District Corps of Engineers, Regulatory Division, PO Box 867, Little Rock, Arkansas 72203-0867, email address: Johnny.L.McLean@usace.army.mil. An electronic copy of the Arkansas Department of Transportation-Eleven Point River Mitigation Bank prospectus, along with the proposed plans, can be viewed on the Little Rock District, Regulatory Division webpage at <http://www.swl.usace.army.mil/Missions/Regulatory/PublicNotices.aspx> or a hard copy can be obtained from the Corps of Engineers through the contact information listed above.

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

**Arkansas Department of Transportation
PO Box 2261
Little Rock, Arkansas 72203-2261**

proposes the establishment of a stream mitigation bank located in Randolph County, approximately eight miles northwest of Pocahontas, in section 5, T. 19 N., R. 1 W., Randolph County, Arkansas. The proposed 17-acre site is located on the north (left descending) bank of the Eleven Point River. ArDOT has submitted their Eleven Point River Mitigation Bank prospectus. The prospectus outlines the proposal for developing and operating the bank, which is known as the mitigation banking instrument (MBI). After public comments are received and any issues are resolved on the prospectus, Arkansas Department of Transportation (ArDOT) will submit a draft banking instrument to the District Engineer. The District Engineer will then distribute the draft banking instrument to the Interagency Review Team (IRT), which is made up of the Corps and the pertinent State and Federal resource agencies. The IRT will review the banking instrument and coordinate with Arkansas Department of Transportation on any issues until a final banking instrument is completed. Finally, the District Engineer will review the final instrument and make a decision to approve or not approve.

The primary purpose of this bank is to mitigate for unavoidable impacts to streams for highway construction and maintenance authorized under Section 404 of the Clean Water Act and the bank is located within the U.S. Army Corps of Engineers Little Rock District. The primary goal of this mitigation bank is to stabilize and restore the north riverbank of the Eleven Point River. The existing north bank of the river at this location is experiencing an accelerated lateral migration, which is introducing large amounts of sediment into the river during each bank full event. Restoration efforts to the north bank would be accomplished by terracing approximately 1,200

linear feet of the existing riverbank and installing live fascines and geolifts with live brush, logs and root wads. The toe of the bank would be protected with large rock. The proposed work would be accomplished in four different zones.

- Zone 1: Slope; seeded with both permanent and temporary ground cover, planted with bare root trees and shrubs.
- Zone 2: Terrace; seeded with both permanent and temporary ground cover, planted with bare root trees and shrubs over the back half of the terrace and planted with live stakes over the front half of the terrace.
- Zone 3: Slope; seeded with both permanent and temporary ground cover, planted with live stakes.
- Zone 4: Terrace; seeded with both permanent and temporary ground cover planted with live stakes.

The 17-acre site is part of a 55.6-acre site that was previously purchased for permittee-responsible wetland mitigation. The 17 acres consist of 1,200 linear feet of the river plus the adjacent riparian area that will be terraced. ARDOT owns 900 linear feet of river frontage and the remaining 300 linear feet of the restoration project will be completed under a temporary construction easement on the adjacent landowner. The site was previously used for cattle and hay production.

The primary considerations for the selection of this site include watershed needs and the need to stabilize a stream bank that is actively migrating. This property is suitable for helping restore a portion of the Eleven Point River's natural state of equilibrium. Restoring the north bank on the Eleven Point River will reduce sediment loads entering into the river during bank full flood events.

The proposed geographic service area would include the sub-basins (8-digit HUCs) in the Ozark Highlands. The proposed primary service area would include the Eleven Point (11010011) and Spring (11010010) Rivers, and the Strawberry River (11010012) as a secondary service area. These sub-basins all are encompassed by the Upper White subregion (HUC 110100). Historically, stream and wetland mitigation sites have been difficult to obtain in these watersheds.

The 2011 Little Rock Stream Method would be used as the functional assessments and credit generation mechanisms for this bank. ARDOT will manage its property for the operational life of the bank. The operational life of the bank terminates when compensatory mitigation credits have been exhausted and the bank site is self-sustaining. Subsequently, ARDOT may enter into a management agreement with an appropriate state or Federal agency, or conservation organization provided the selected organization manages the property in accordance with the provisions of the MBI.

The location and general plan for the proposed work are shown on the enclosed sheets 1 through 10 of 10.

Cultural Resources. ArDOT staff archeologists will review topographic maps, the National Register of Historic Places, and other data on reported sites in the area. The FHWA will be the lead agency for coordination with all associated Native American Nations and tribal governments. 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.

Regulatory Authority. Implementation of the proposed mitigation bank will require Department of the Army Authorization under Section 404 of the Clean Water Act. Based on preliminary evaluation by the USACE, it appears the proposed bank may be authorized by Nationwide Permit 27 for Aquatic Habitat Restoration, Establishment, and Enhancement Activities.

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 **April 26, 2023**. 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

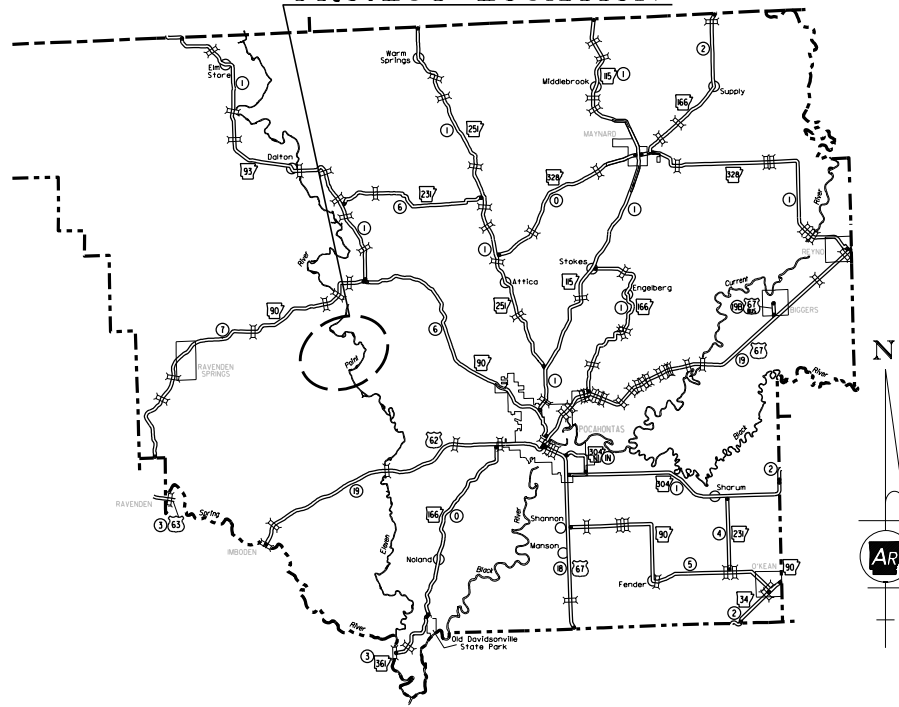
Approximate Coordinates of Project Center

Latitude: **36.319823** Longitude: **-91.098057**

UTM Zone: **15N** North: **3763082** East: **548262**

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
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ELEVEN POINT RIVER STREAM RESTORATION (S)						

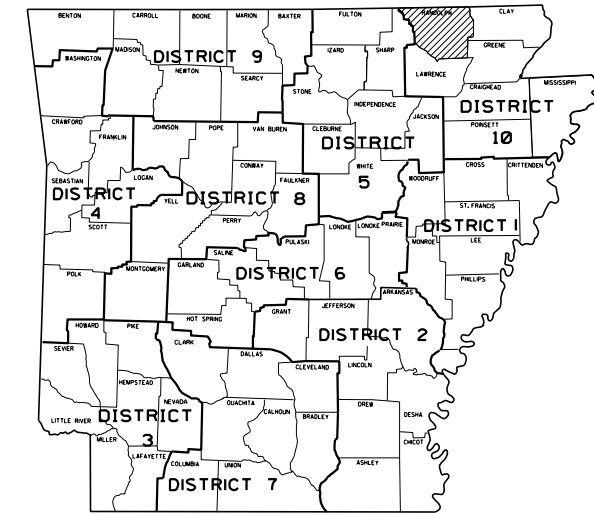
PROJECT LOCATION



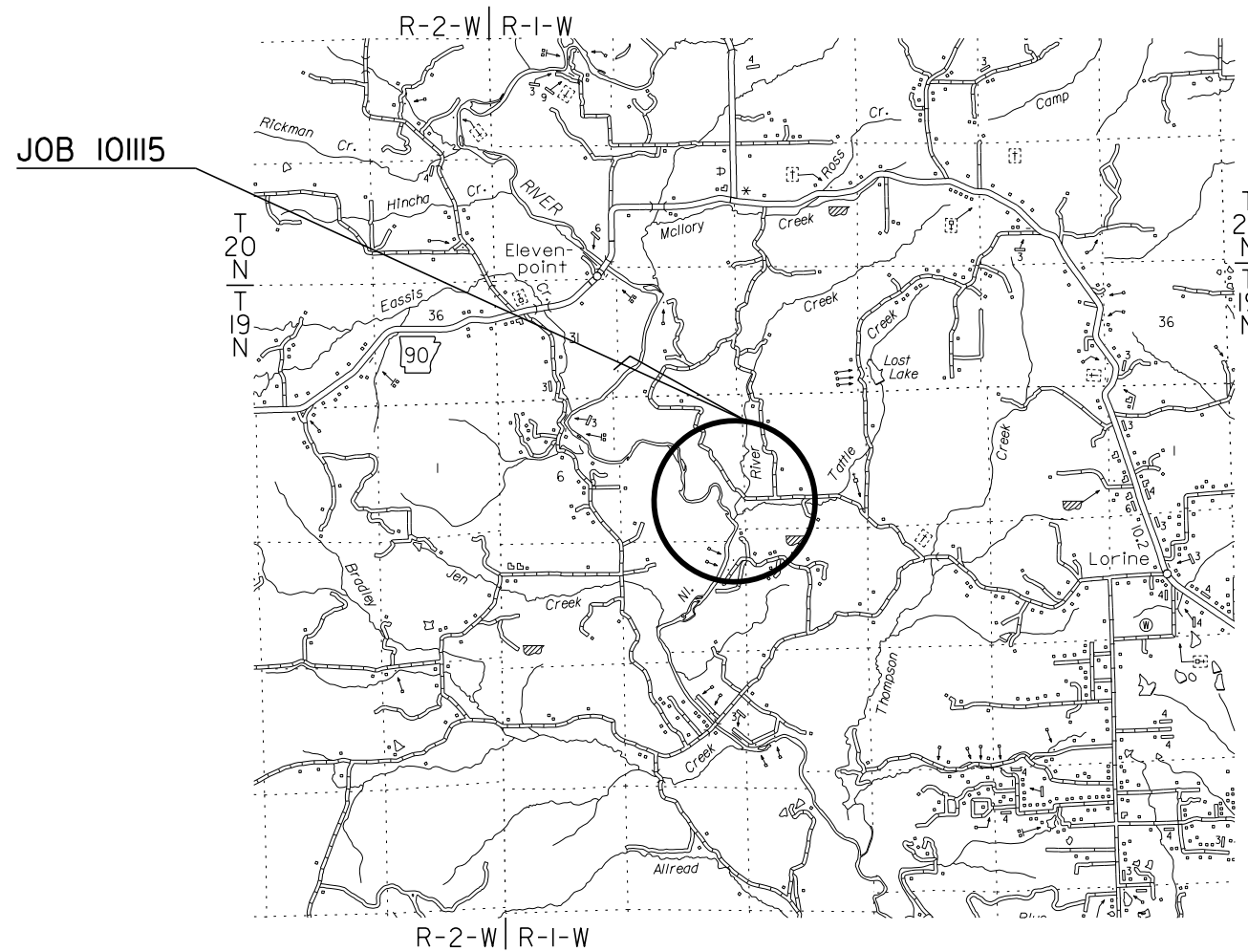
VICINITY MAP

**ARKANSAS DEPARTMENT OF TRANSPORTATION
 CONSTRUCTION PLANS**
**ELEVEN POINT RIVER
 STREAM RESTORATION (S)**
RANDOLPH COUNTY
JOB 101115
FED. AID PROJ. STPF-0061(25)

NOT TO SCALE



ARKANSAS HIGHWAY DISTRICT 10



Project No. SWL 2021-00250
Arkansas Dept. of Transportation
Eleven Point River Mitigation Bank
Randolph County, Arkansas March
2023 **Sheet 1 of 10**

	BEGIN OF PROJECT	MID-POINT OF PROJECT	END PROJECT
LATITUDE	N 36°19'12"	N 36°19'12"	N 36°19'06"
LONGITUDE	W 91°05'59"	W 91°05'53"	W 91°05'52"



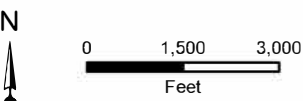
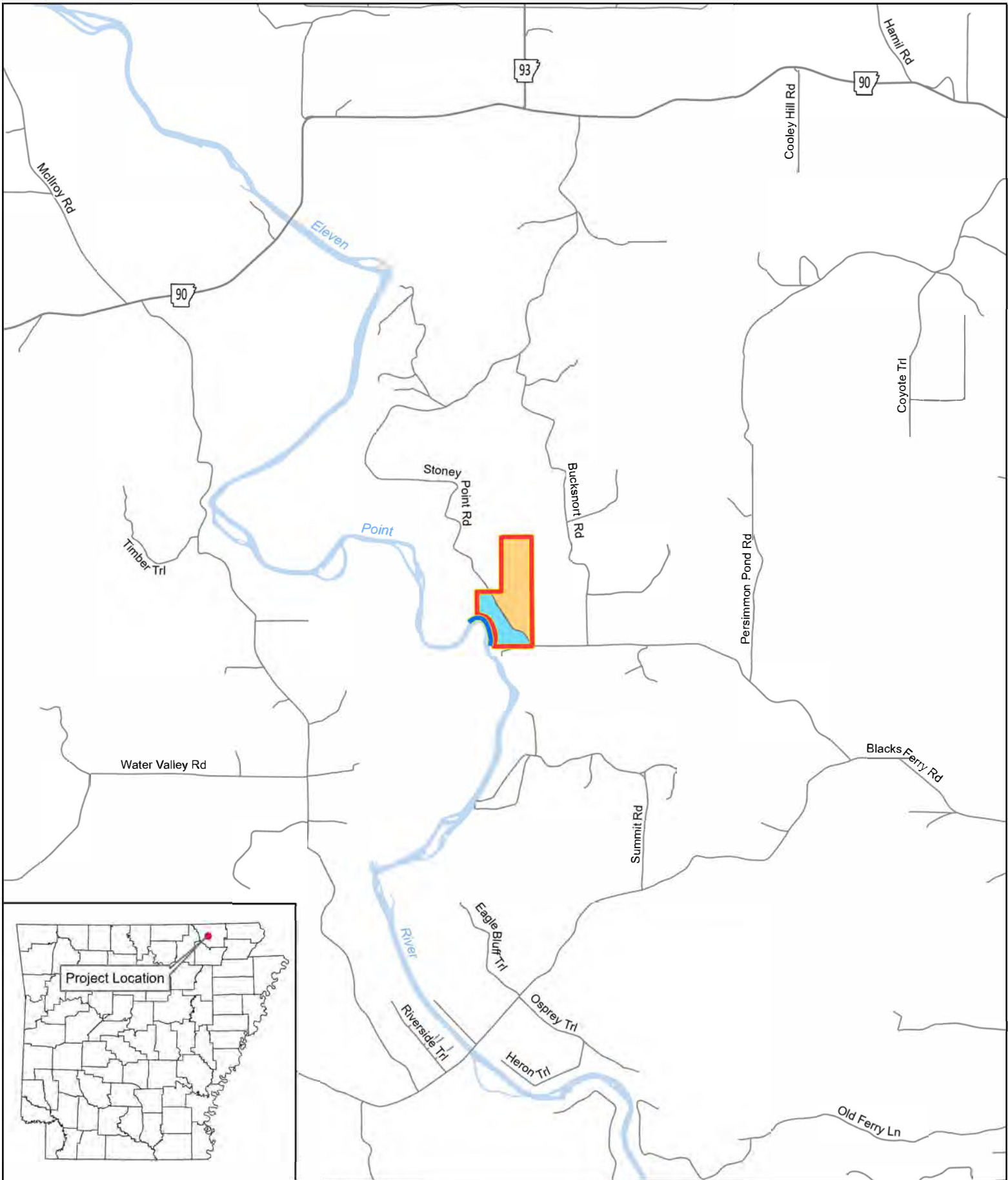
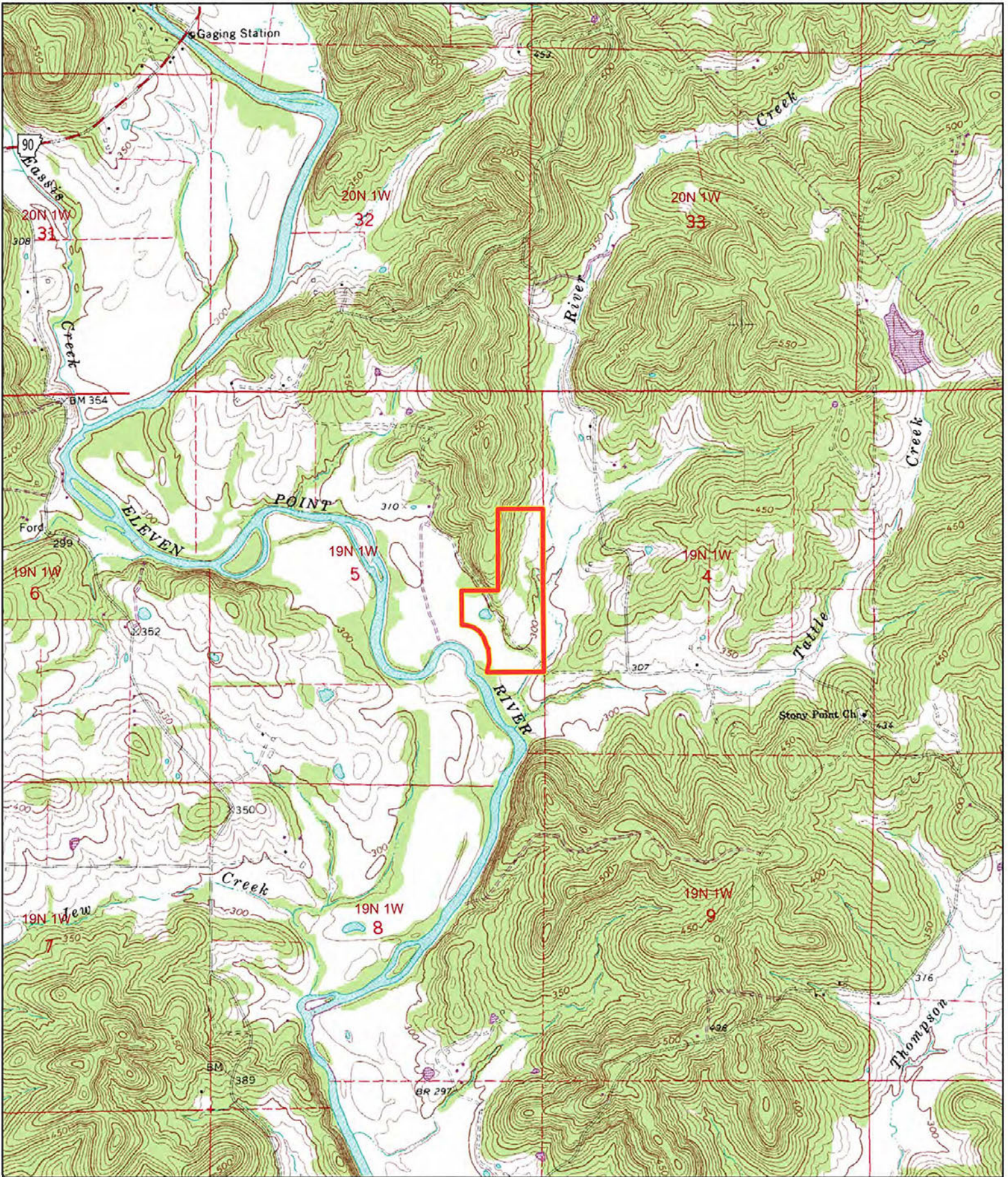


Figure 1
Eleven Point River
Stream Restoration



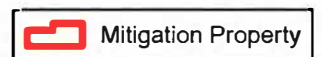
Job 101115
ARDOT - Environmental GIS - Strawn
April 21, 2022



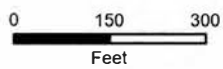
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Job 101115
 ARDOT - Environmental GIS - Strawn
 April 21, 2022

Figure 2
 USGS Topographic Map

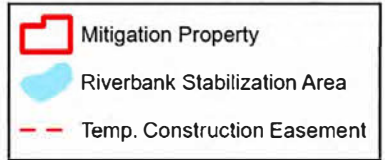


USGS Topographic Map:
 Ravenden Springs SE 1981



Job 101115
ARDOT - Environmental GIS - Strawn
April 21, 2022

Figure 4
Eleven Point River Mitigation Plan

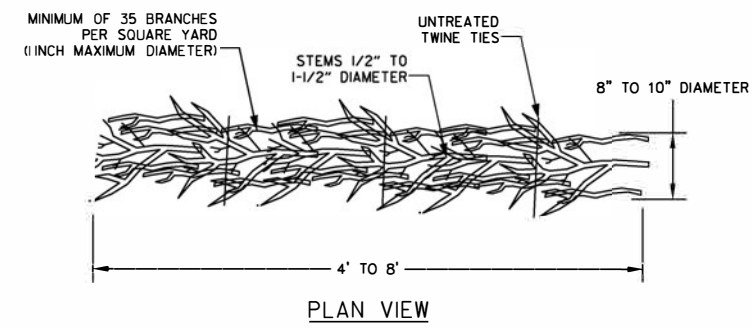
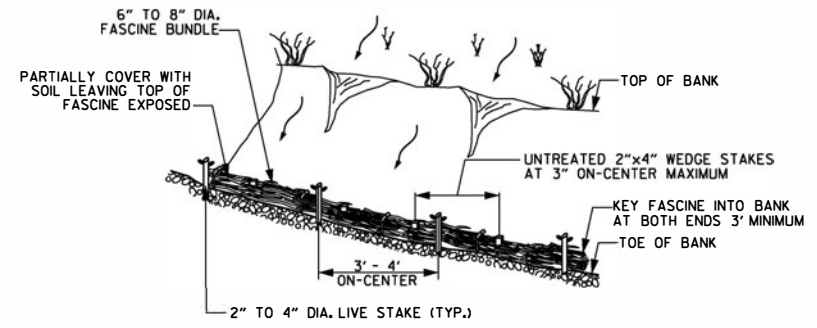


Photography: ADOP 2017

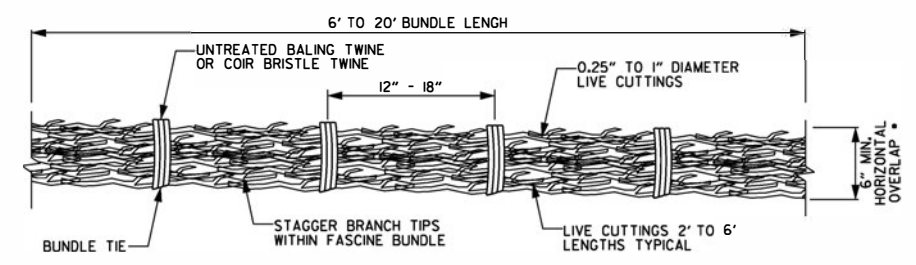
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
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STREAM RESTORATION DETAILS						



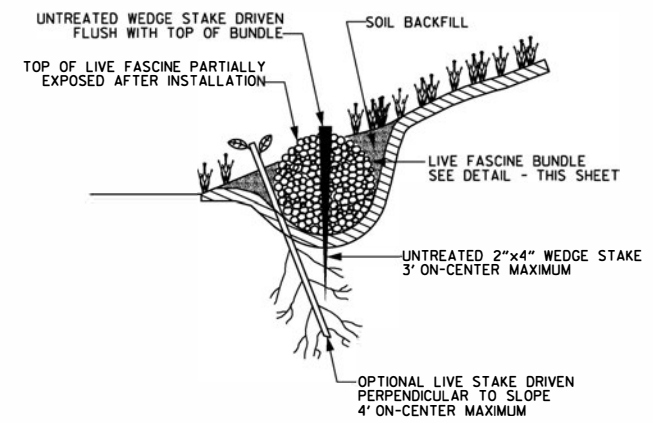
LIVE FASCINE



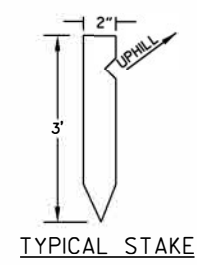
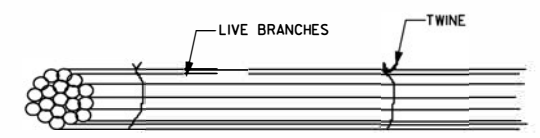
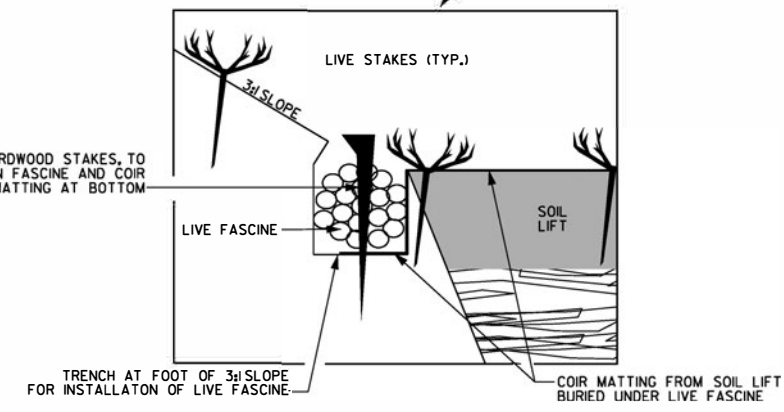
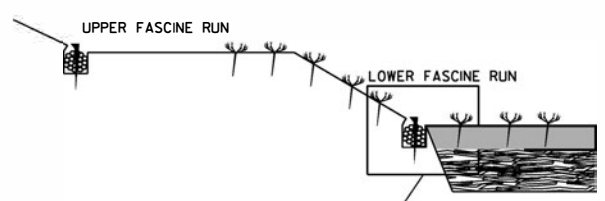
ISOMETRIC VIEW
SHOWN ON SURFACE FOR CLARITY
FASCINES SHALL BE TRENCHED IN AS SHOWN IN SECTION VIEW



LIVE FASCINES DETAIL
• FINAL DIAMETER WHEN FIRMLY COMPRESSED AND TIED



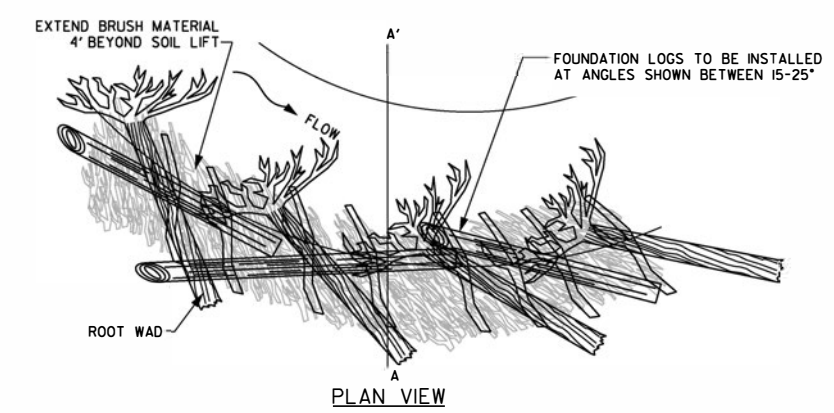
SECTION VIEW



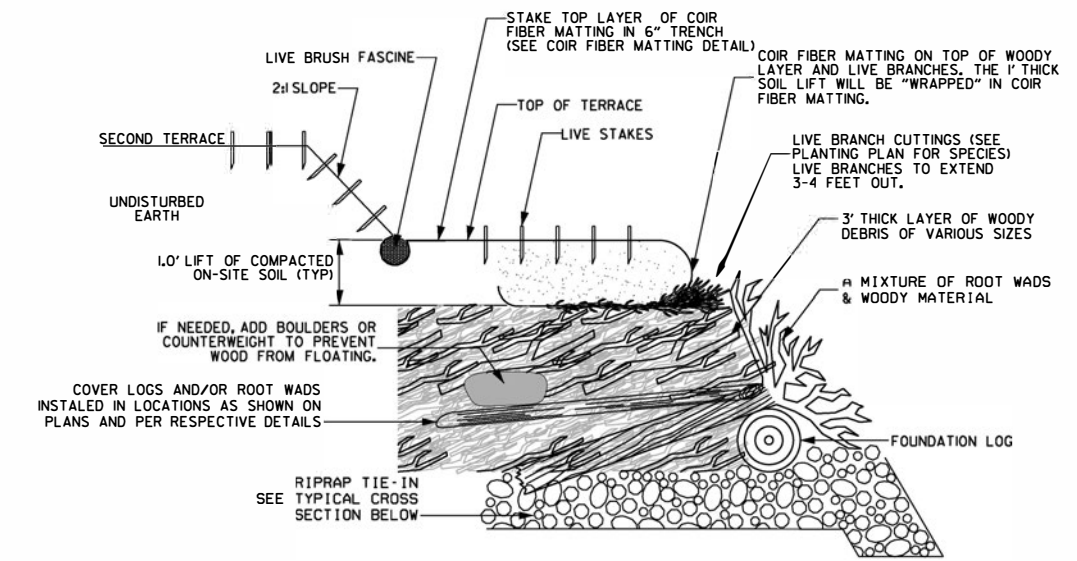
NOTE
1. BOARD FOR STAKE SHALL BE 2" X 4" X 3"

1. LIVE FASCINES ARE CYLINDRICAL BUNDLES OF LIVE BRANCH CUTTINGS USED AS A BANK STABILIZATION MEASURE TO PROTECT BANK AND TOE FROM SURFACE EROSION, TRAP SEDIMENTS, AND INCREASE SLOPE STABILITY WITH A DEVELOPED ROOT SYSTEM. FASCINES ARE USED ABOVE THE BASE FLOW ELEVATION OF A SLOPE TO TRAP SEED AND SEDIMENT AND TO ENHANCE CONDITIONS FOR COLONIZATION OF NATIVE VEGETATION USED IN THE BUNDLES.
2. CONSTRUCTION OF FASCINES ON SLOPES SHALL CONFORM TO ASTM D 6599.
3. THIS MEASURE MAY BE COMBINED WITH OTHER SLOPE STABILIZATION MEASURES INCLUDING LIVE STAKES, EROSION CONTROL BLANKET, TURF REINFORCEMENT, BRUSH MATTRESSES, AND LONGITUDINAL STONE TOE.
4. FASCINES ARE NOT SUITABLE FOR USE ON SLOPES COMPRISED OF SAND, GRAVEL, OR ROCK, OR ON SLOPES THAT ARE NOT IN FULL SUNLIGHT. FASCINES SHALL NOT BE USED WHERE THEY WILL BE SUBJECTED TO CONCENTRATED FLOW FROM ABOVE THE STREAMBANK OR WHERE CHANNEL FLOW VELOCITIES EXCEED 12 FEET PER SECOND.
5. FASCINES SHALL BE PLACED ON A SLOPE ALONG THE CONTOUR AND SHALL BE KEYED INTO BANK AT BOTH ENDS OF THE FASCINE ROW A MINIMUM OF 3 FEET.
6. FASCINE BUNDLES SHALL BE CONSTRUCTED OF LIVE DORMANT BRANCH CUTTINGS RANDOMLY BOUND TOGETHER WITH UNTREATED TWINE EVERY 12 TO 18 INCHES. BASAL (CUT) ENDS OF BRANCHES SHALL BE ALTERNATING WITHIN THE FASCINE BUNDLE.
7. UNTREATED 2"x4" WEDGE STAKES SHALL BE INSTALLED FLUSH WITH THE TOP OF THE FASCINE BUNDLES AND SHALL BE SPACED AT 3 FEET ON-CENTER MAXIMUM.
8. LIVE DORMANT BRANCH CUTTINGS SHALL BE OBTAINED FROM LOCAL SOURCES APPROVED BY THE ENGINEER. PAYMENT FOR LIVE FASCINES SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION OF THE LIVE FASCINE.

GEOLIFT WITH LIVE BRUSH, LOGS AND ROOT WADS

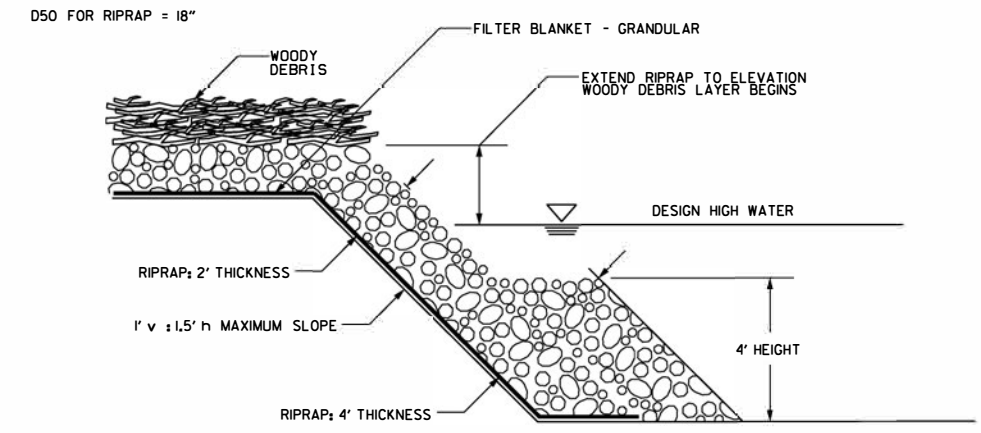


PLAN VIEW



A - A' SECTION VIEW

TYPICAL STONE CROSS SECTION (APPLIED BELOW GEOLIFT)



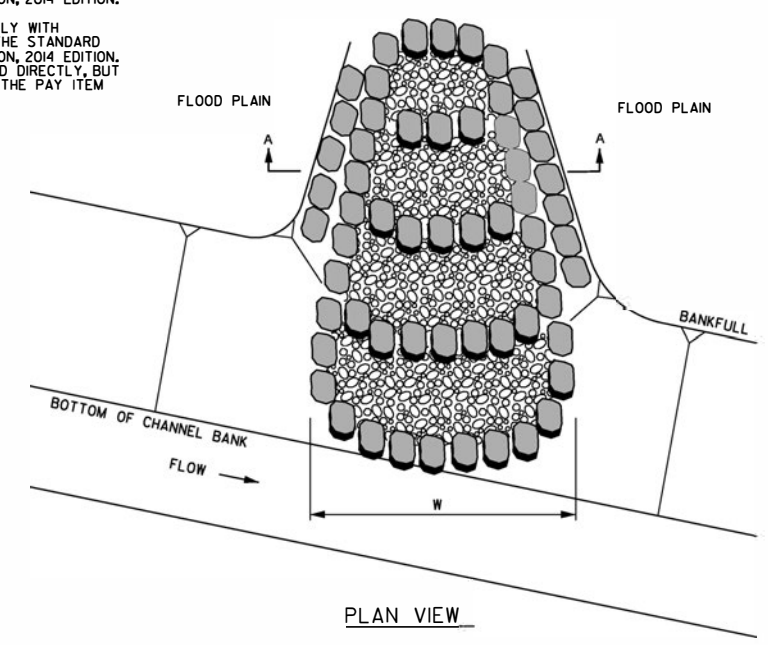
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DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
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STREAM RESTORATION DETAILS						

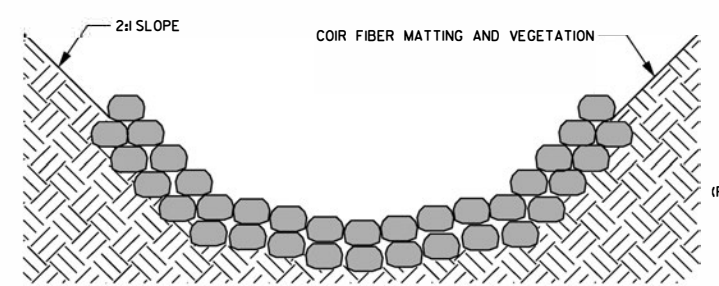


NOTES:
 1. REFER TO SECTION 630, ROCK BUTTRESS, OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
 2. GEOTEXTILE FABRIC (TYPE 5) SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 625 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION. THE GEOTEXTILE FABRIC WILL NOT BE PAID DIRECTLY, BUT WILL BE INCLUDED IN THE PRICE BID FOR THE PAY ITEM "ROCK BUTTRESS".

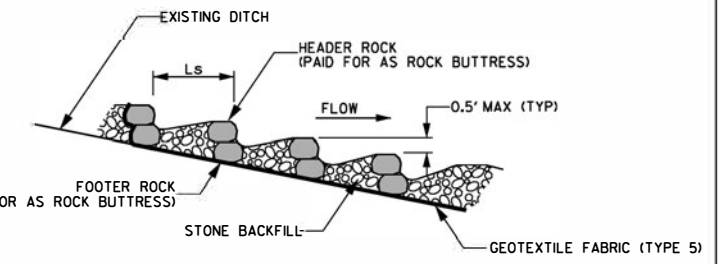
OUTLET PROTECTION



PLAN VIEW

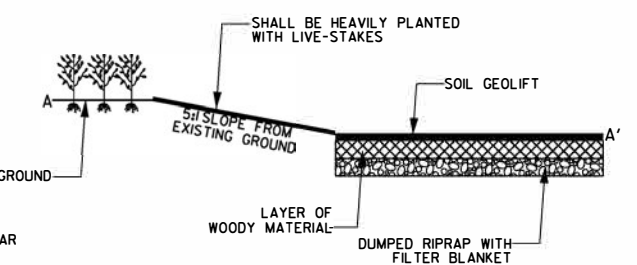
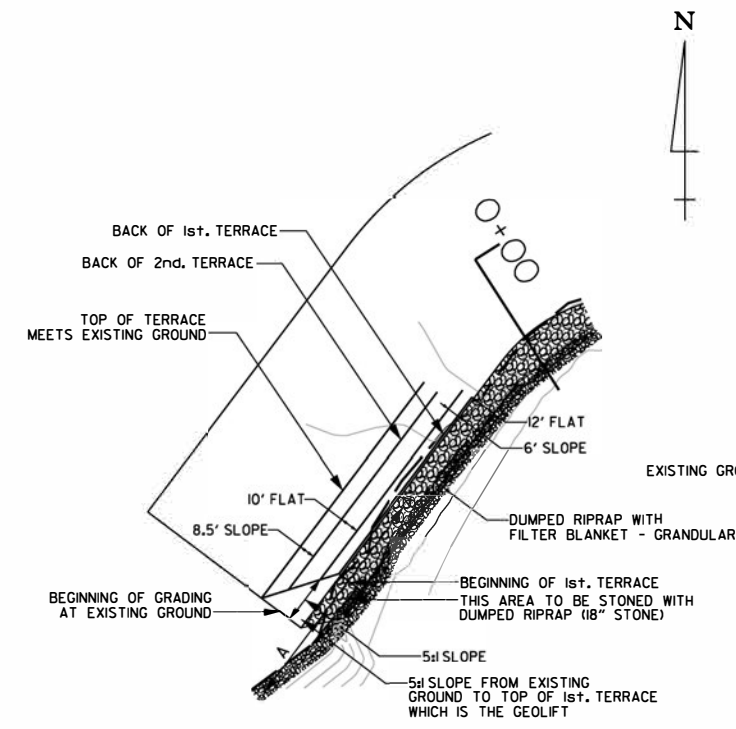


CROSS SECTION A - A



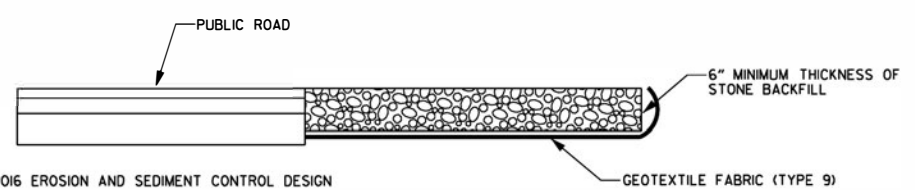
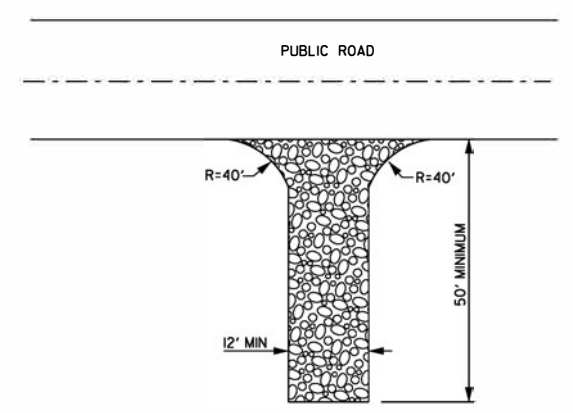
PROFILE VIEW

TERRACE TIE-IN

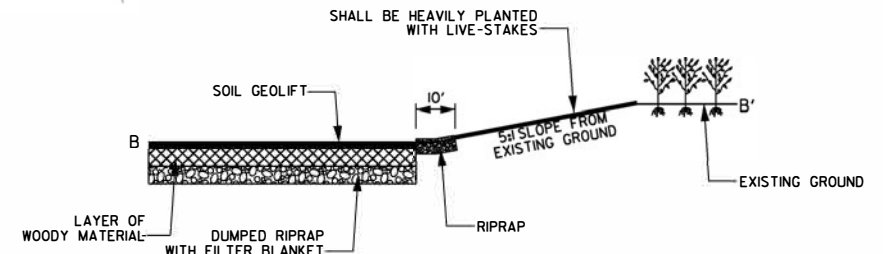
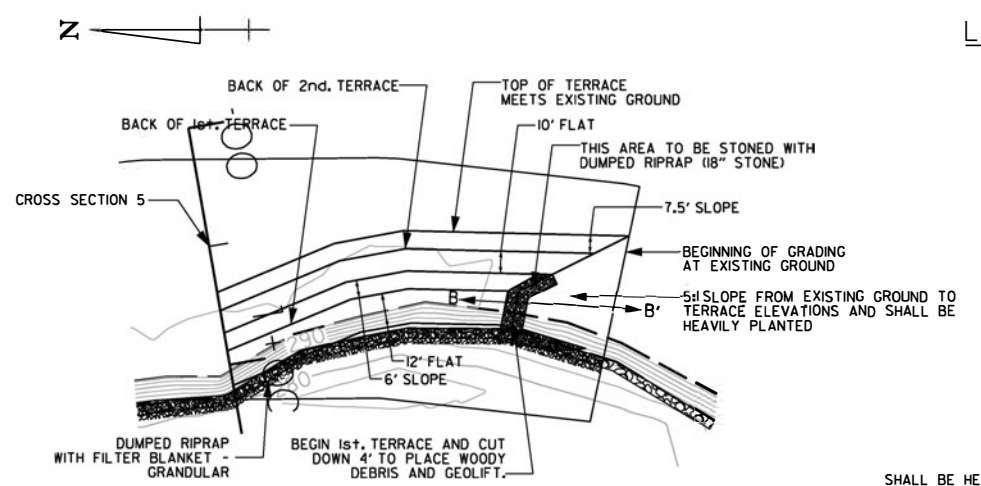


CROSS SECTION A-A'

TEMPORARY CONSTRUCTION ENTRANCE



NOTES:
 1. REFER TO CONSTRUCTION ACCESS "ARDOT 2016 EROSION AND SEDIMENT CONTROL DESIGN AND CONSTRUCTION MANUAL".
 2. GEOTEXTILE FABRIC (TYPE 9) SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 625 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. THE GEOTEXTILE FABRIC WILL NOT BE PAID DIRECTLY, BUT WILL BE INCLUDED IN THE PRICE BID FOR THE PAY ITEM "STONE BACKFILL".



CROSS SECTION B-B'

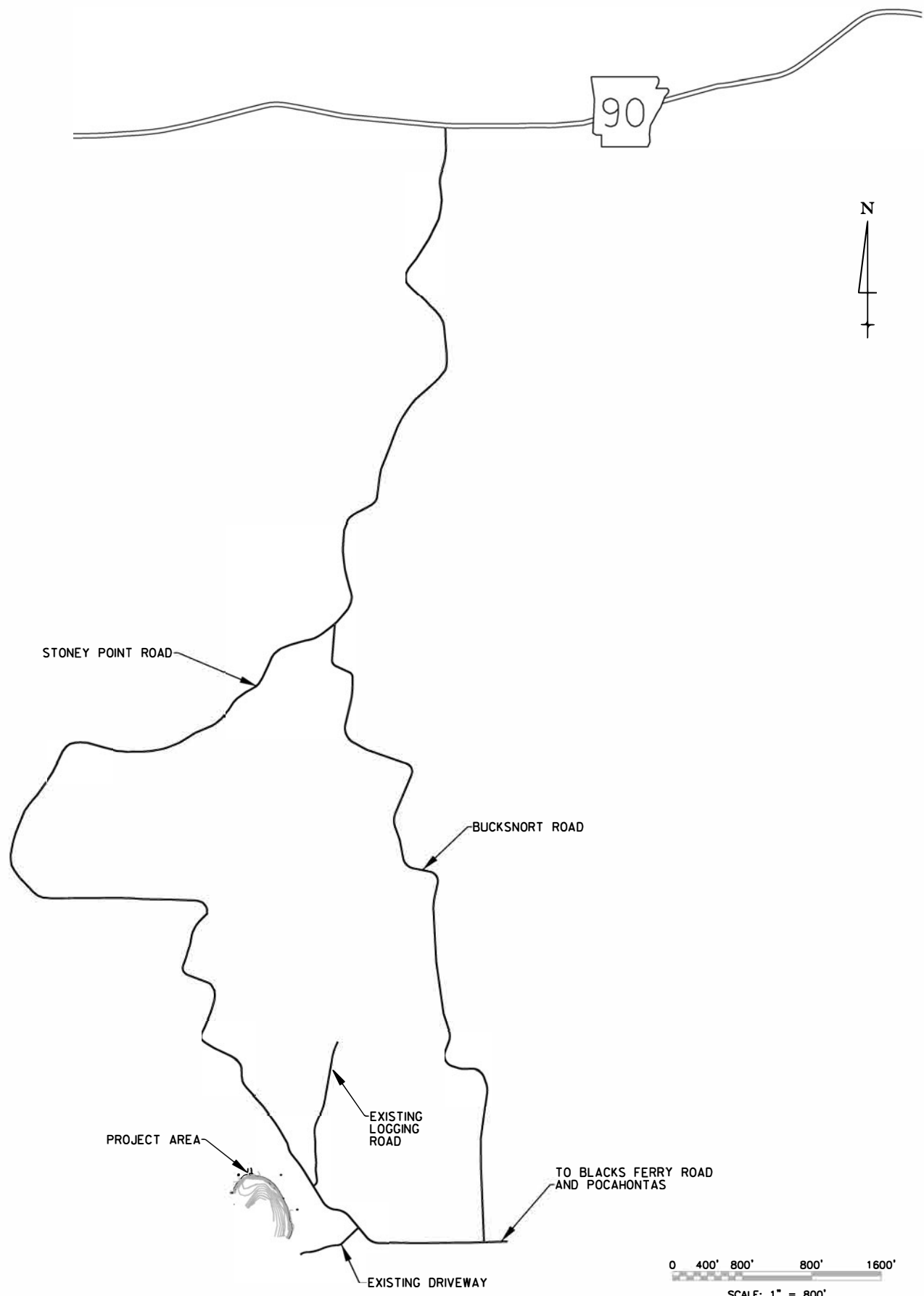
STREAM RESTORATION DETAILS

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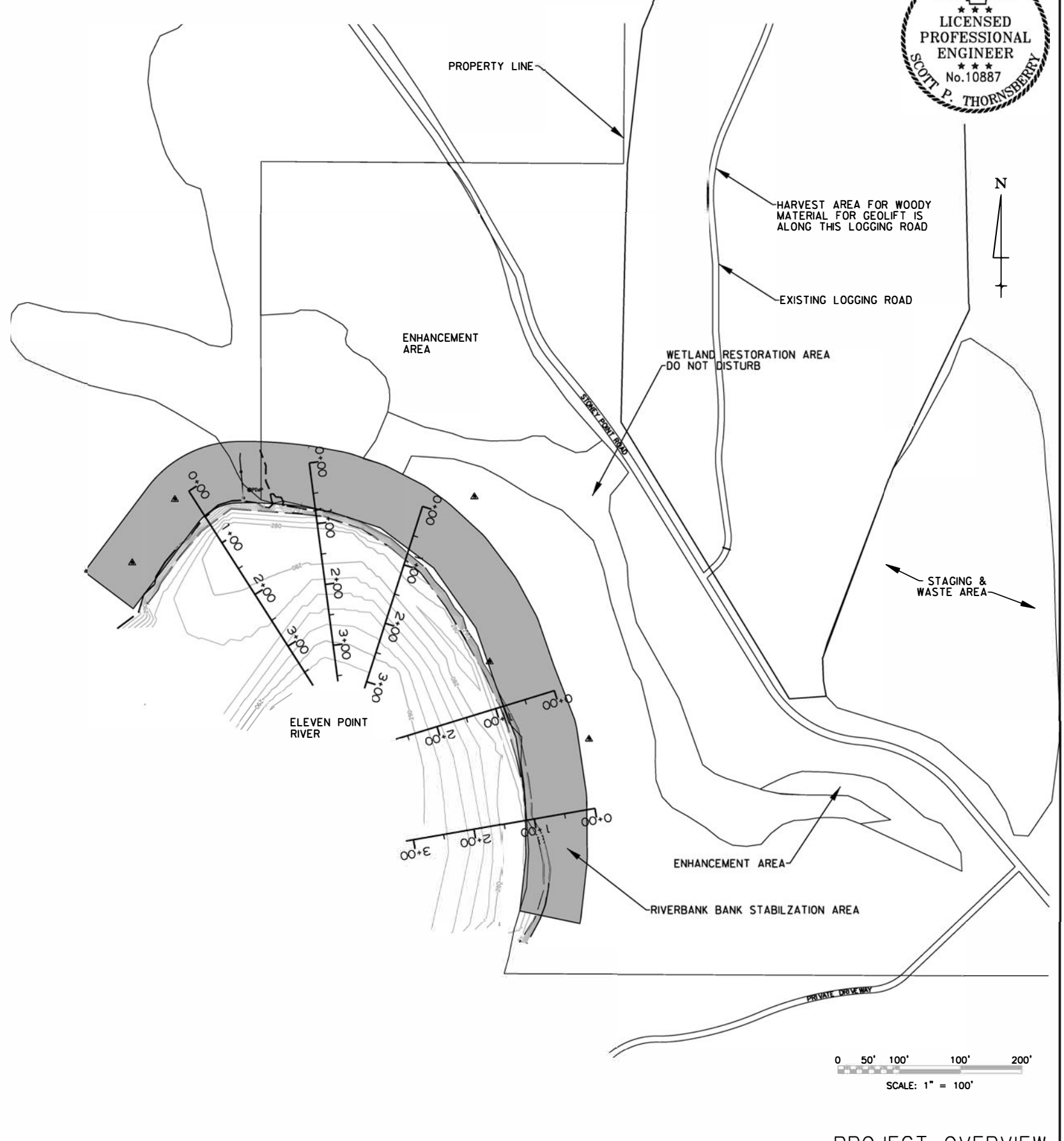
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PROJECT OVERVIEW						



HWY 90 ACCESS MAP



REFER TO HWY. 90 ACCESS MAP TO LEFT



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PROJECT OVERVIEW

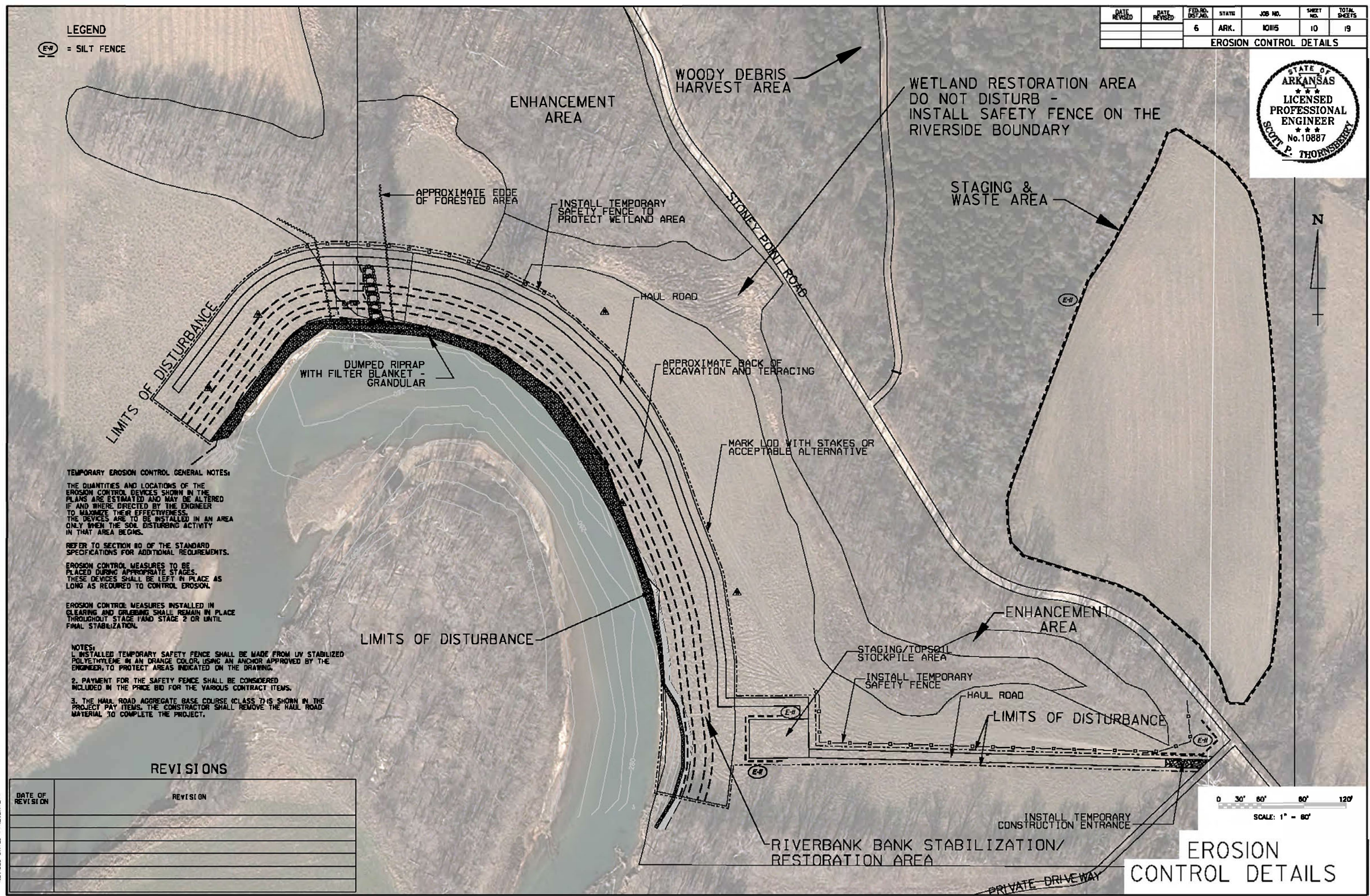
DATE REVISED	DATE REVISED	FED. PROJ. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	K0115	10	19

EROSION CONTROL DETAILS



LEGEND

(E-W) = SILT FENCE



TEMPORARY EROSION CONTROL GENERAL NOTES:

THE QUANTITIES AND LOCATIONS OF THE EROSION CONTROL DEVICES SHOWN IN THE PLANS ARE ESTIMATED AND MAY BE ALTERED IF AND WHERE DIRECTED BY THE ENGINEER TO MAXIMIZE THEIR EFFECTIVENESS. THE DEVICES ARE TO BE INSTALLED IN AN AREA ONLY WHEN THE SOIL DISTURBING ACTIVITY IN THAT AREA BEGINS.

REFER TO SECTION 80 OF THE STANDARD SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS LONG AS REQUIRED TO CONTROL EROSION.

EROSION CONTROL MEASURES INSTALLED IN CLEARING AND GRUBBING SHALL REMAIN IN PLACE THROUGHOUT STAGE 1 AND STAGE 2 OR UNTIL FINAL STABILIZATION.

- NOTES:
1. INSTALLED TEMPORARY SAFETY FENCE SHALL BE MADE FROM UV STABILIZED POLYETHYLENE IN AN ORANGE COLOR, USING AN ANCHOR APPROVED BY THE ENGINEER, TO PROTECT AREAS INDICATED ON THE DRAWING.
 2. PAYMENT FOR THE SAFETY FENCE SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS CONTRACT ITEMS.
 3. THE HAUL ROAD AGGREGATE BASE COURSE (CLASS 7) IS SHOWN IN THE PROJECT PAY ITEMS. THE CONSTRUCTOR SHALL REMOVE THE HAUL ROAD MATERIAL TO COMPLETE THE PROJECT.

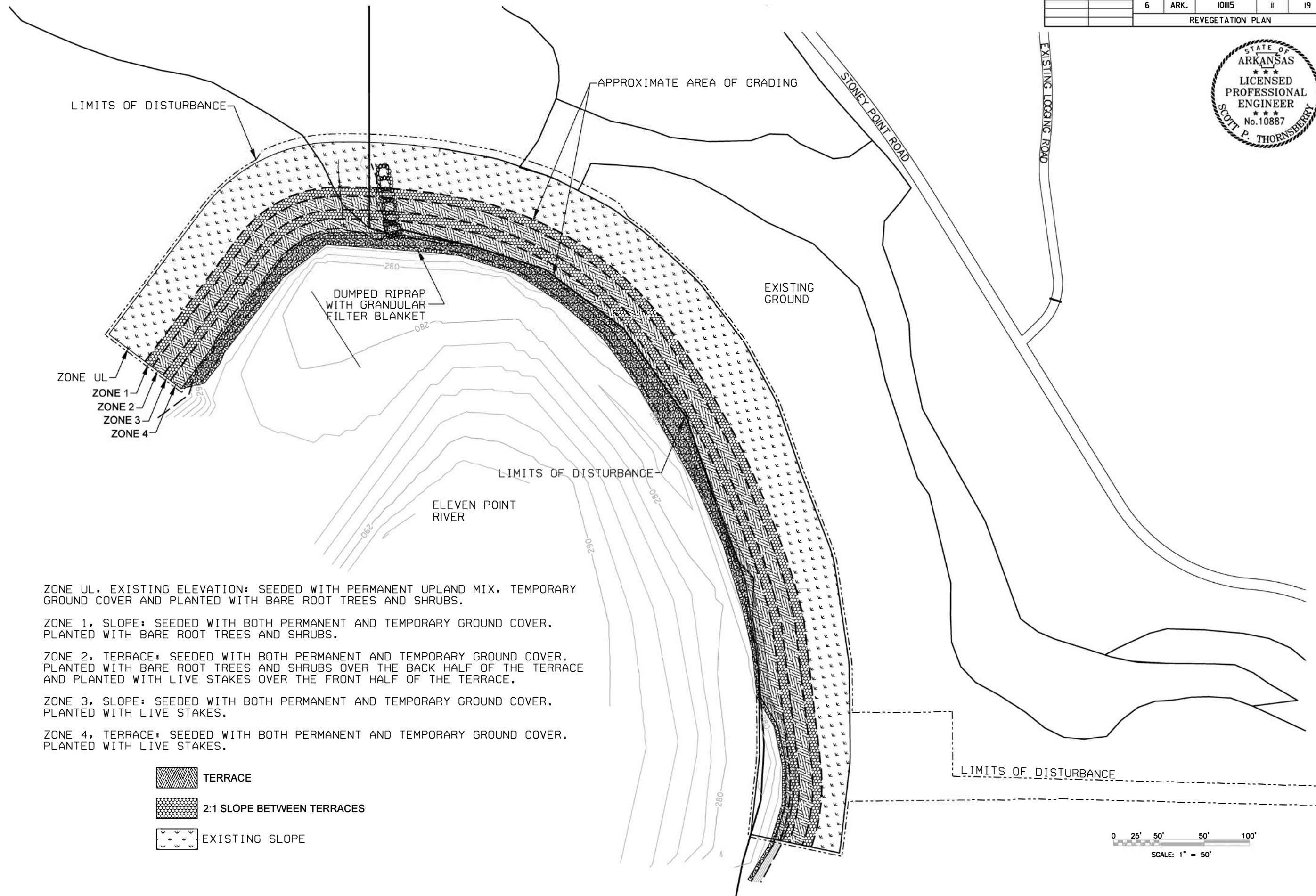
REVISIONS

DATE OF REVISION	REVISION

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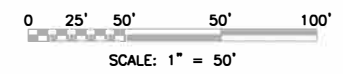
EROSION CONTROL DETAILS

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	10115	11	19
REVEGETATION PLAN						

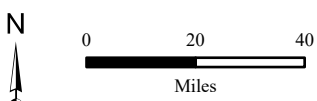


- ZONE UL, EXISTING ELEVATION: SEEDED WITH PERMANENT UPLAND MIX, TEMPORARY GROUND COVER AND PLANTED WITH BARE ROOT TREES AND SHRUBS.
- ZONE 1, SLOPE: SEEDED WITH BOTH PERMANENT AND TEMPORARY GROUND COVER. PLANTED WITH BARE ROOT TREES AND SHRUBS.
- ZONE 2, TERRACE: SEEDED WITH BOTH PERMANENT AND TEMPORARY GROUND COVER. PLANTED WITH BARE ROOT TREES AND SHRUBS OVER THE BACK HALF OF THE TERRACE AND PLANTED WITH LIVE STAKES OVER THE FRONT HALF OF THE TERRACE.
- ZONE 3, SLOPE: SEEDED WITH BOTH PERMANENT AND TEMPORARY GROUND COVER. PLANTED WITH LIVE STAKES.
- ZONE 4, TERRACE: SEEDED WITH BOTH PERMANENT AND TEMPORARY GROUND COVER. PLANTED WITH LIVE STAKES.

- TERRACE
- 2:1 SLOPE BETWEEN TERRACES
- EXISTING SLOPE



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 REVISION DATE: **REVIDATE**



Job 101115
 ARDOT - Environmental GIS - Strawn
 May 5, 2022

Figure 3
 Service Areas

