



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, SAVANNAH DISTRICT
100 W. OGLETHORPE AVENUE
SAVANNAH, GEORGIA 31401-3604

January 4, 2023

Regulatory Division
SAS-2019-00089
GDOT PI 0013804

JOINT PUBLIC NOTICE
Savannah District/State of Georgia

The Savannah District has received an application for a Department of the Army Permit, pursuant to Section 404 of the Clean Water Act (33 U.S.C. 1344), as follows:

Application Number: SAS-2019-00089

Applicant: Mr. Eric Duff
State Environmental Administrator
Georgia Department of Transportation
600 West Peachtree Street NW, 16th Floor
Atlanta, Georgia 30308

Location of Proposed Work: In waters and wetlands located on State Route (SR) 119, approximately 4 miles southwest of Guyton, in Bulloch and Effingham Counties, Georgia. The approximate project mid-point would be located at Latitude 32.2894, Longitude -81.4607.

Description of Work Subject to the Jurisdiction of the U.S. Army Corps of Engineers:
The Georgia Department of Transportation (GDOT) is proposing to replace two structurally deficient and functionally obsolete two-lane bridges along SR 119 over the Ogeechee River (GDOT Bridge No. 031-0050-0) on the Bulloch/Effingham County line and an overflow bridge (GDOT Bridge No. 031-0049-0) to the west in Bulloch County. The proposed roadway approaches would consist of two 12-foot wide travel lanes and 8-foot wide shoulders. The proposed project length would be 1.154 miles and the existing right-of-way is 200 feet wide. Up to 80 feet of permanent easement would be required along the north side of SR 119.

The project would result in a total of 8.85 acres of wetland impacts and 286 linear feet (1.92 acres) of perennial stream impacts. The proposed impacts to aquatic resources would be compensated through the purchase of 214.50 2018 stream credits (2,574 legacy stream credits) and 6.72 2018 wetland credits (53.76 legacy wetland credits) from a Corps approved mitigation bank serving the Lower Ogeechee River watershed [Hydrologic Unit Code (HUC) 03060202].

BACKGROUND

An Aquatic Resources Delineation Review was completed for the project on April 12, 2019.

This Joint Public Notice announces a request for authorizations from both the U.S. Army Corps of Engineers and the State of Georgia. The applicant's proposed work may also require local governmental approval.

STATE OF GEORGIA

Water Quality Certification: The Georgia Department of Natural Resources, Environmental Protection Division, will review the proposed project for water quality certification, in accordance with the provisions of Section 401 of the Clean Water Act. The applicant has requested a Water Quality Certification from the State of Georgia. Prior to issuance of a Department of the Army permit for a project location in, on, or adjacent to the waters of the State of Georgia, review for Water Quality Certification is required. A reasonable period of time, which shall not exceed one year, is established under the Clean Water Act for the State to act on a request for Water Quality Certification, after which, issuance of such a Department of the Army permit may proceed. This public notice serves as notification to the Administrator of the U.S. Environmental Protection Agency (USEPA) pursuant to section 401(a)(2) of the Clean Water Act for neighboring jurisdiction review and begins the 30-day clock for USEPA to notify affected states.

State-owned Property and Resources: The applicant may also require assent from the State of Georgia, which may be in the form of a license, easement, lease, permit or other appropriate instrument.

U.S. ARMY CORPS OF ENGINEERS

The Savannah District must consider the purpose and the impacts of the applicant's proposed work, prior to a decision on issuance of a Department of the Army Permit.

Cultural Resources: One archaeological resource (9BU131) identified in a 2018 underwater archeological investigation was determined ineligible for inclusion in the National Register of Historic Places (NRHP). The State Historic Preservation Officer (SHPO) concurred with the determination that resource 9BU131 is not eligible for listing in the NRHP in a letter dated December 3, 2018.

A Finding of No Historic Properties Affected document was submitted to the SHPO on August 15, 2017, followed by a subsequent Re-Evaluation Memo dated June 11, 2018 for minor design changes associated with the proposed project.

Endangered Species: Federally-listed species and critical habitats identified as potentially occurring within the project corridor include: pondberry (*Lindera melissifolia*), frosted flatwoods salamander (*Ambystoma cingulatum*), eastern indigo snake (*Drymarchon corais couperi*), shortnose sturgeon (*Acipenser brevirostrum*), Atlantic sturgeon (*Acipenser oxyrinchus Oxyrinchus*), and critical habitat for the Atlantic sturgeon.

Suitable habitat for the federally endangered pondberry and federally threatened frosted flatwoods salamander was not observed within the project survey area. Therefore, a biological determination of “no effect” has been made for these species.

Suitable foraging habitat for the federally threatened eastern indigo snake was identified within the project corridor. Portions of suitable foraging habitat would be impacted by activities for construction of the proposed roadway and overflow bridge and clearing and grubbing for installation of Best Management Practices within the project area. A biological determination of “may affect, not likely to adversely affect” has been made due to impacts to suitable foraging habitat. The U.S. Fish and Wildlife Service (USFWS) concurred with the “may affect not likely to adversely affect” determination for the eastern indigo snake on November 18, 2020. Avoidance and minimization measures developed in coordination with the USFWS would be implemented by GDOT through SP 107.23H and SP 713.6 to protect both the eastern indigo snake and its habitat during project construction.

The Ogeechee River (PS 2) provides suitable migration habitat for the endangered Atlantic and shortnose sturgeons. Early coordination indicates that both sturgeon species are known to pass through this section of the Ogeechee River to spawning grounds further upstream. Project activities may indirectly affect sturgeon migration within the project area and have the potential to increase sedimentation throughout the period of demolition and construction, as well as decrease the water quality from future bridge use. Therefore, a biological determination of “may affect, not likely to adversely affect” has been made for these species. The National Oceanic and Atmospheric Administration (NOAA) concurred with the “may affect not likely to adversely affect” determination for the shortnose and Atlantic sturgeon on January 14, 2021. Additionally, the Ogeechee River is designated critical habitat and home to known populations of the South Atlantic Distinct Population Segments of Atlantic sturgeon. Due to the nature of the project, impacts on the PS 2/Ogeechee River could not be avoided. Avoidance and minimization measures developed in coordination with NOAA would be implemented by GDOT through SP 107.23H to protect these species and designated critical habitat during project construction.

Pursuant to Section 7(c) of the Endangered Species Act of 1973, as amended (16 U.S.C. § 1531 et seq.), we request information from the U.S. Department of the Interior, USFWS, the U.S. Department of Commerce, NOAA, National Marine Fisheries Service; or, any other interested party, on whether any species listed or proposed for listing may be present in the area.

Public Interest Review: 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, flood plain 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.

Consideration of Public Comments: The Corps is soliciting comments from the public; federal, state, and local agencies and officials; Native American 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 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.

Application of Section 404(b)(1) Guidelines: The proposed activity involves the discharge of dredged or fill material into the waters of the United States. The Savannah District's evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under the authority of Section 404(b) of the Clean Water Act.

Public Hearing: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application for a Department of the Army permit. Requests for public hearings shall state, with particularity, the reasons for requesting a public hearing. The decision whether to hold a public hearing is at the discretion of the District Engineer, or his designated appointee, based on the need for additional substantial information necessary in evaluating the proposed project.

Comment Period: Anyone wishing to comment on this application for a Department of the Army Permit should submit comments by email to brian.moore@usace.army.mil. Alternatively, you may submit comments in writing to the Commander, U.S. Army Corps of Engineers, Savannah District, Attention: Mr. Brian Moore, 100 W. Oglethorpe Avenue, Savannah, Georgia 31401-3604, within 30 days from the date of this notice. Please refer to the applicant's name and the application number in your comments.

If you have any further questions concerning this matter, please contact Mr. Brian Moore, Project Manager, Management Branch at 912-652-5349.

Enclosures

1. Project Vicinity Map
2. Construction Plans with Wetland Impacts



Figure 1: Project Vicinity Map
 Bridge Replacement Project on State Route 119
 over the Ogeechee River
 Georgia Department of Transportation PI No. 0013804
 Bulloch and Effingham counties, Georgia



0 0.375 0.75 1.5
 Miles

1:50,000

 Project Study Area

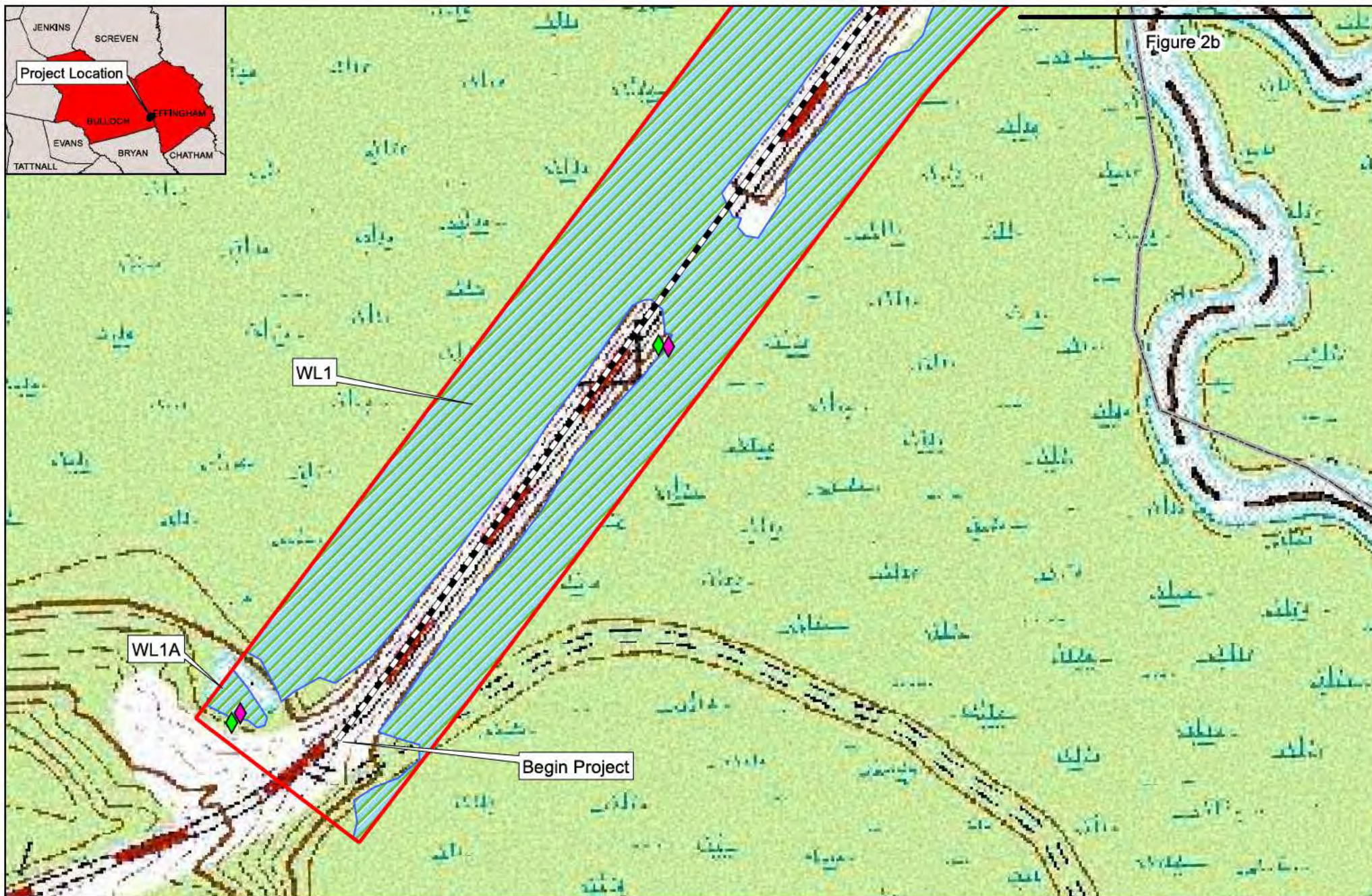


Figure 2a: Topographic Federal Waters Map
 Bridge Replacement Project on State Route 119 over
 the Ogeechee River
 Georgia Department of Transportation PI No. 0013804
 Bulloch and Effingham counties, Georgia

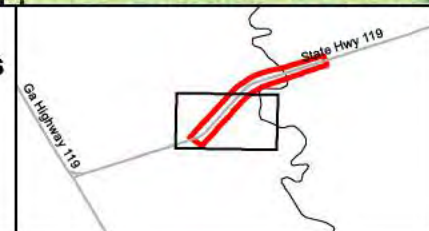
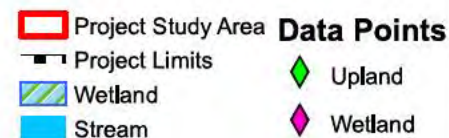
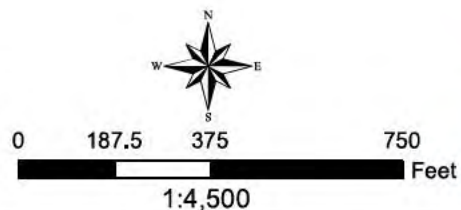


Figure 2b

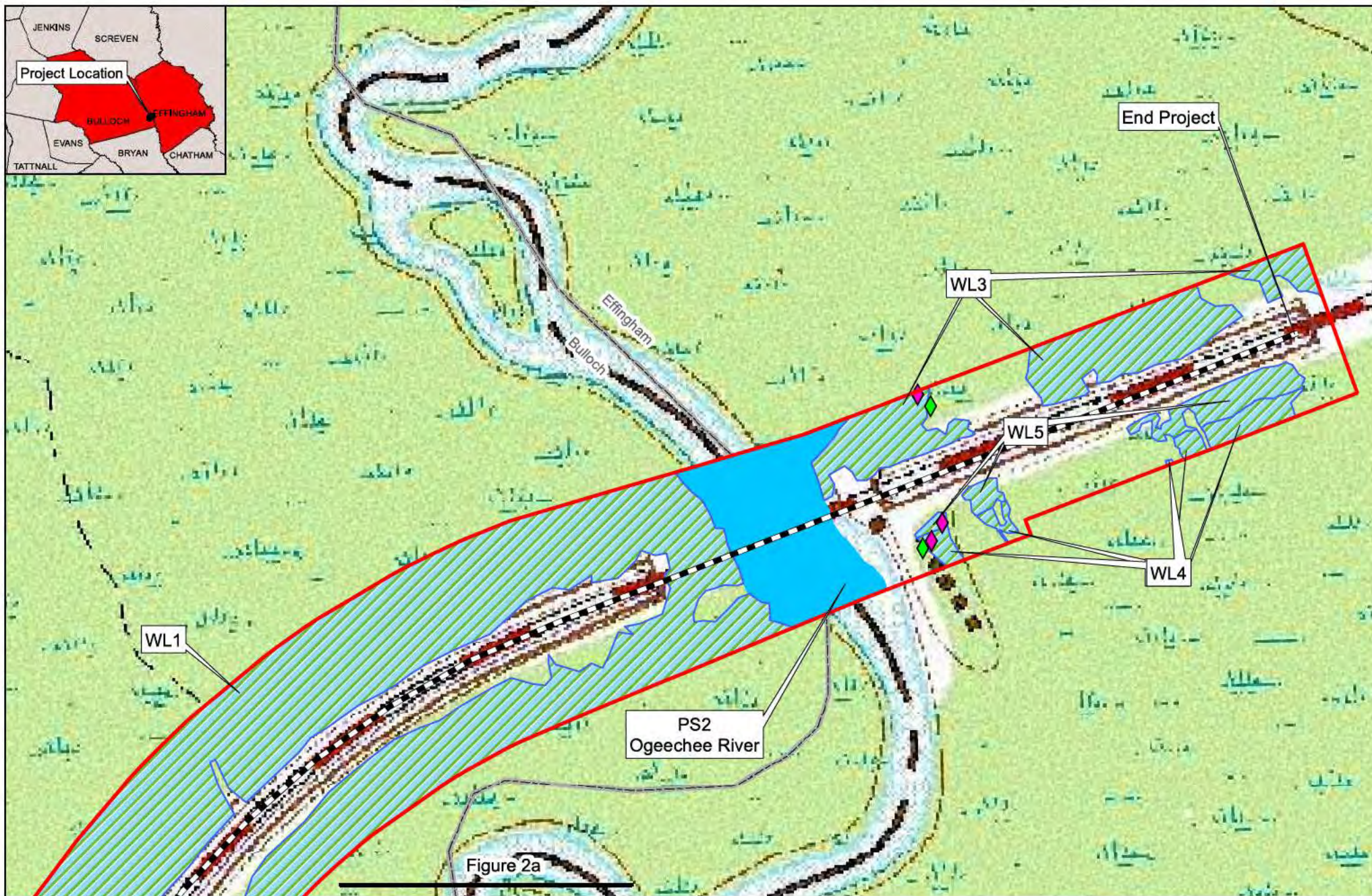
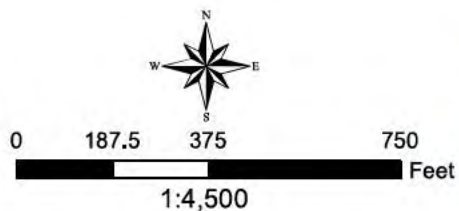


Figure 2b: Topographic Federal Waters Map
 Bridge Replacement Project on State Route 119 over
 the Ogeechee River
 Georgia Department of Transportation PI No. 0013804
 Bulloch and Effingham counties, Georgia



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- PROJECT SITE

PLAN AND PROFILE OF PROPOSED
SR 119 (OLD RIVER ROAD) OVER
OGEECHEE RIVER OVERFLOW AND
OGEECHEE RIVER

FEDERAL AID PROJECT
BULLOCH COUNTY AND
EFFINGHAM COUNTY

PJ.NO. 0013804

SPEED DESIGN: 55 MPH

PROJECT DESIGNATION: EXEMPT

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

NOTE :
ALL REFERENCES IN THIS DOCUMENT,WHICH INCLUDES ALL PAPERS,WRITINGS,
DOCUMENTS,DRAWINGS,OR PHOTOGRAPHS USED,OR TO BE USED IN CONNECTION
WITH THIS DOCUMENT,TO "STATE HIGHWAY DEPARTMENT OF GEORGIA","STATE
HIGHWAY DEPARTMENT","GEORGIA STATE HIGHWAY DEPARTMENT","HIGHWAY
DEPARTMENT","OR "DEPARTMENT "WHEN THE CONTEXT THEREOF MEANS THE
STATE HIGHWAY DEPARTMENT OF GEORGIA,AND SHALL BE DEEMED TO MEAN
THE DEPARTMENT OF TRANSPORTATION.

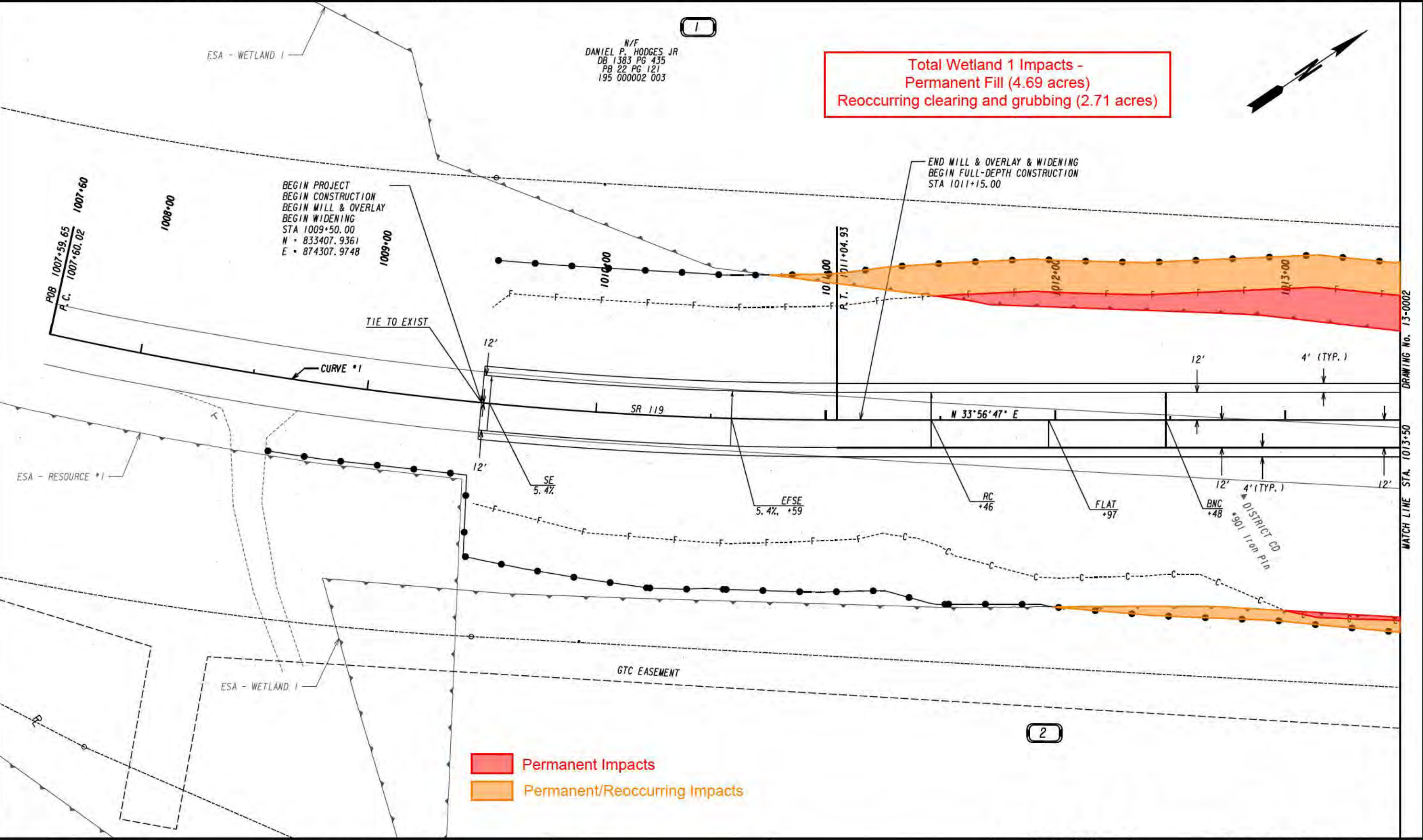


RECOMMENDED FOR APPROVAL BY: _____
STATE PROGRAM DELIVERY ADMINISTRATOR

LENGTH OF PROJECT	BULLOCH & EFFINGHAM COUNTIES No.031 & 103
	Project No. 0013804
	MILES
NET LENGTH OF ROADWAY	0.942
NET LENGTH OF BRIDGES	0.211
NET LENGTH OF PROJECT	1.154
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	1.154

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PROPERTY AND EXISTING R/W LINE
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& MAINTENANCE OF SLOPES
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ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

ARCADIS

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for natural and
built assets

PROGRAM DELIVERY

SCALE IN FEET

REVISION DATES	

CONSTRUCTION PLAN

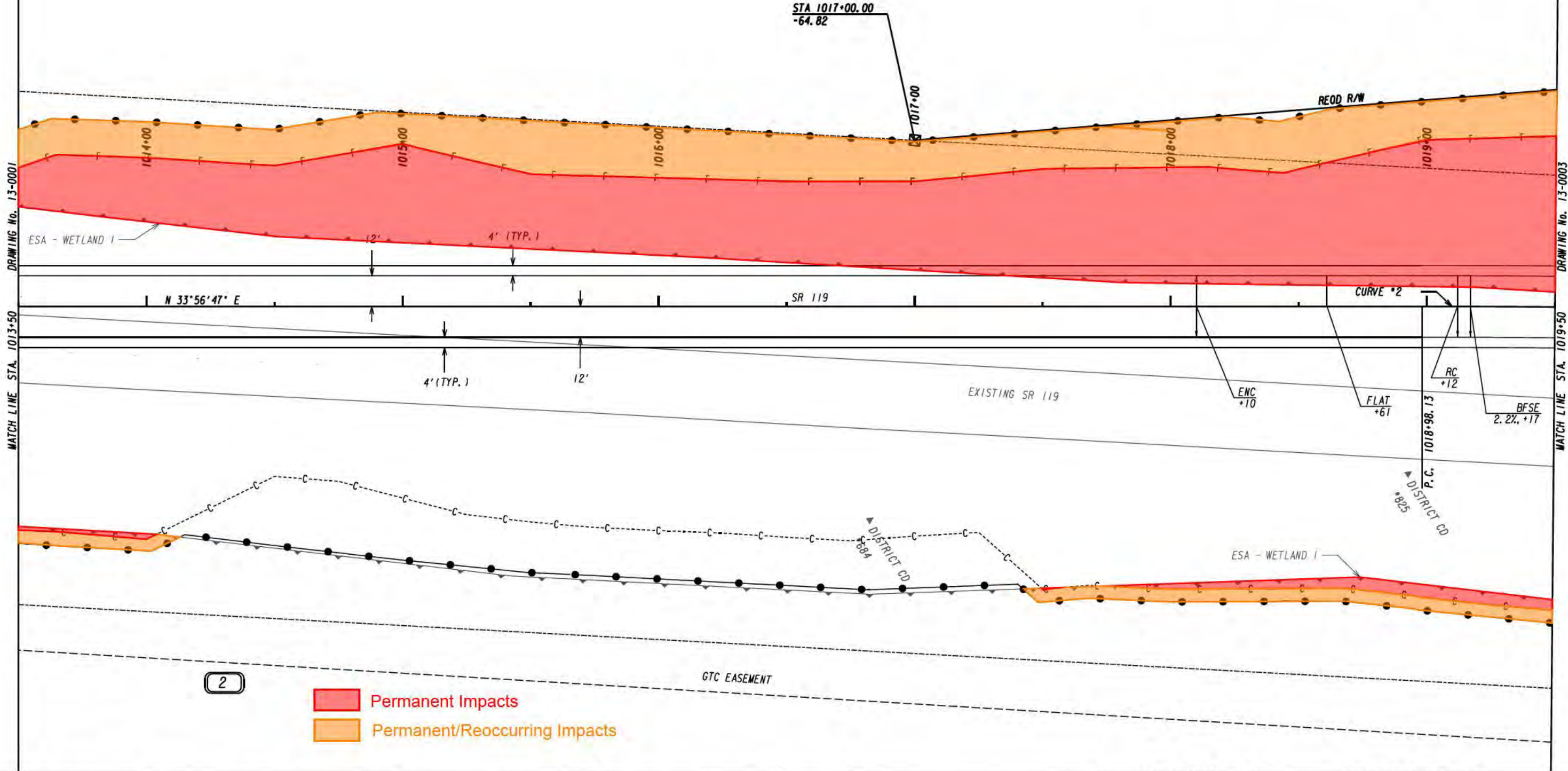
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BULLOCH & EFFINGHAM COUNTIES

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DANIEL P. HODGES JR
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PB 22 PG 121
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1

Total Wetland 1 Impacts -
Permanent Fill (4.69 acres)
Reoccurring clearing and grubbing (2.71 acres)



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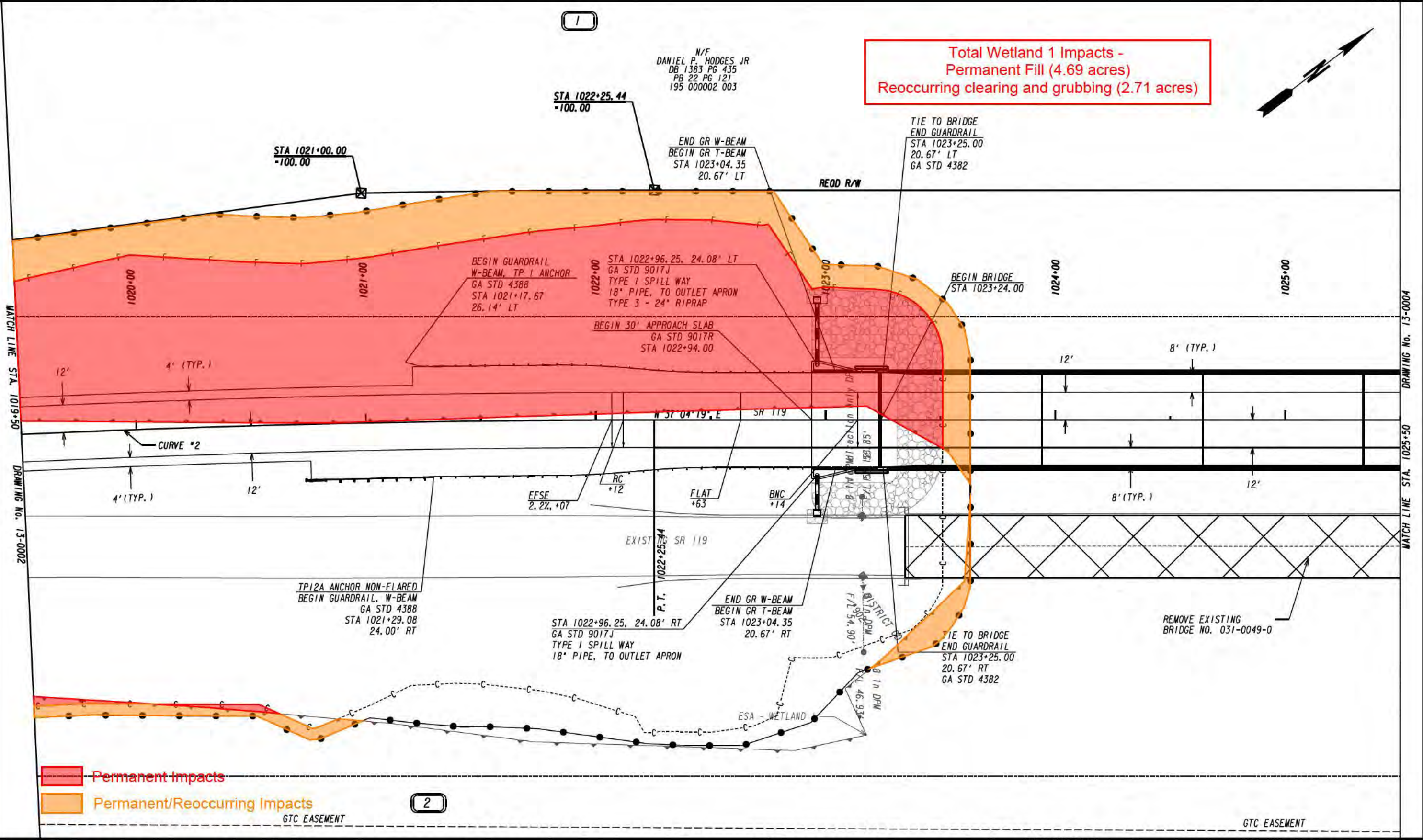
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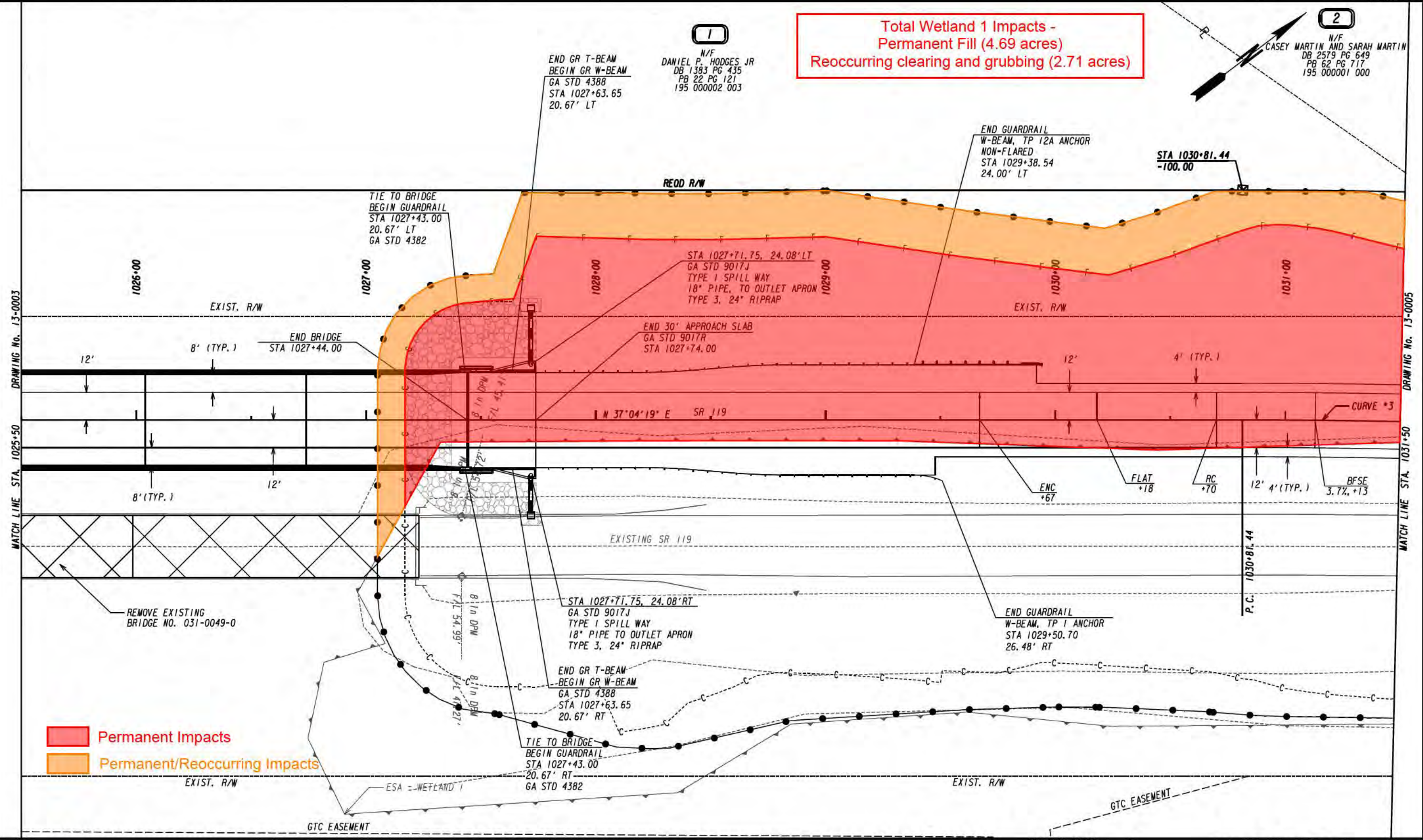
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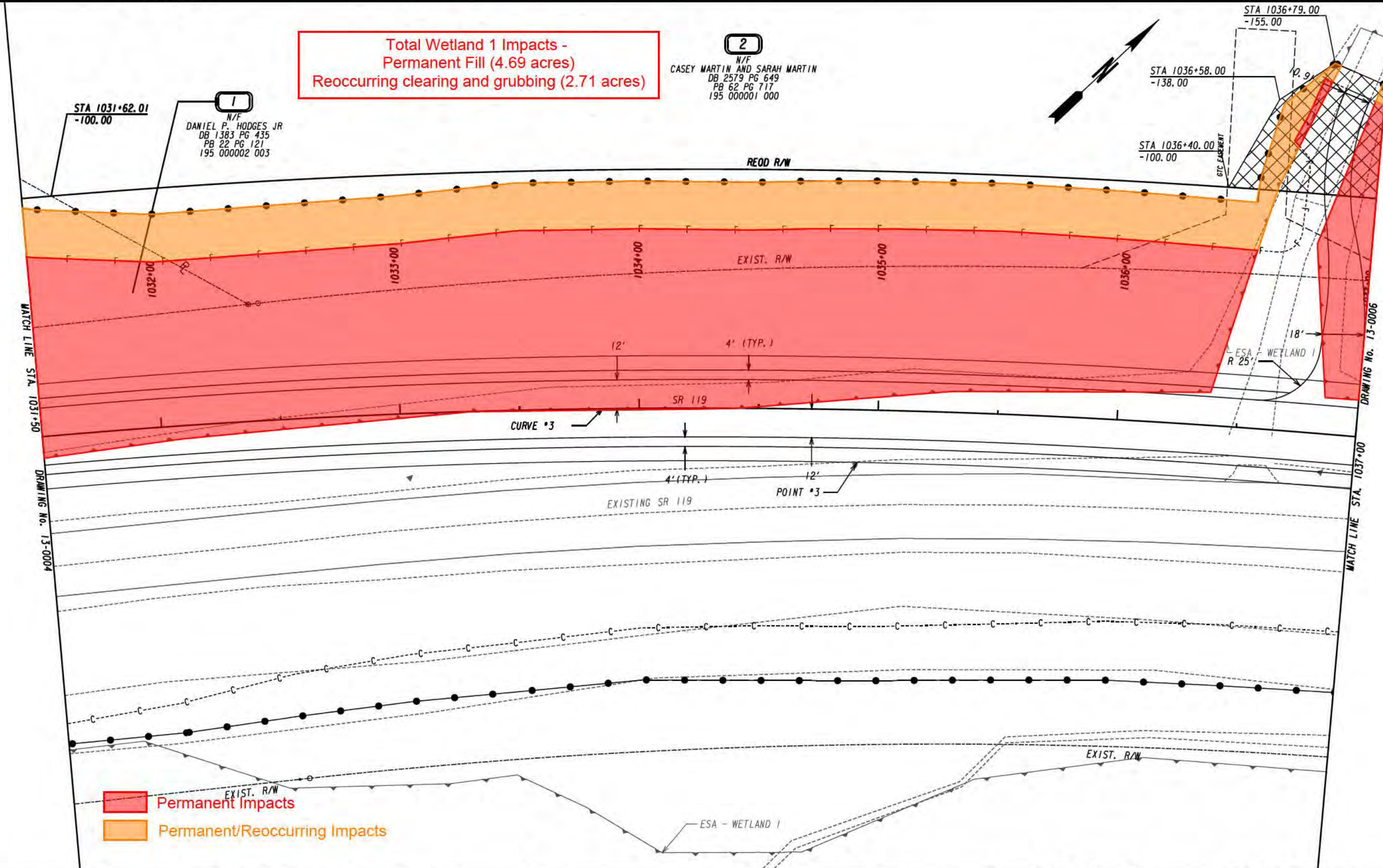
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REVISION DATES

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SR 119 OVER OGEECHEE RIVER & OVERFLOW
BULLOCH & EFFINGHAM COUNTIES

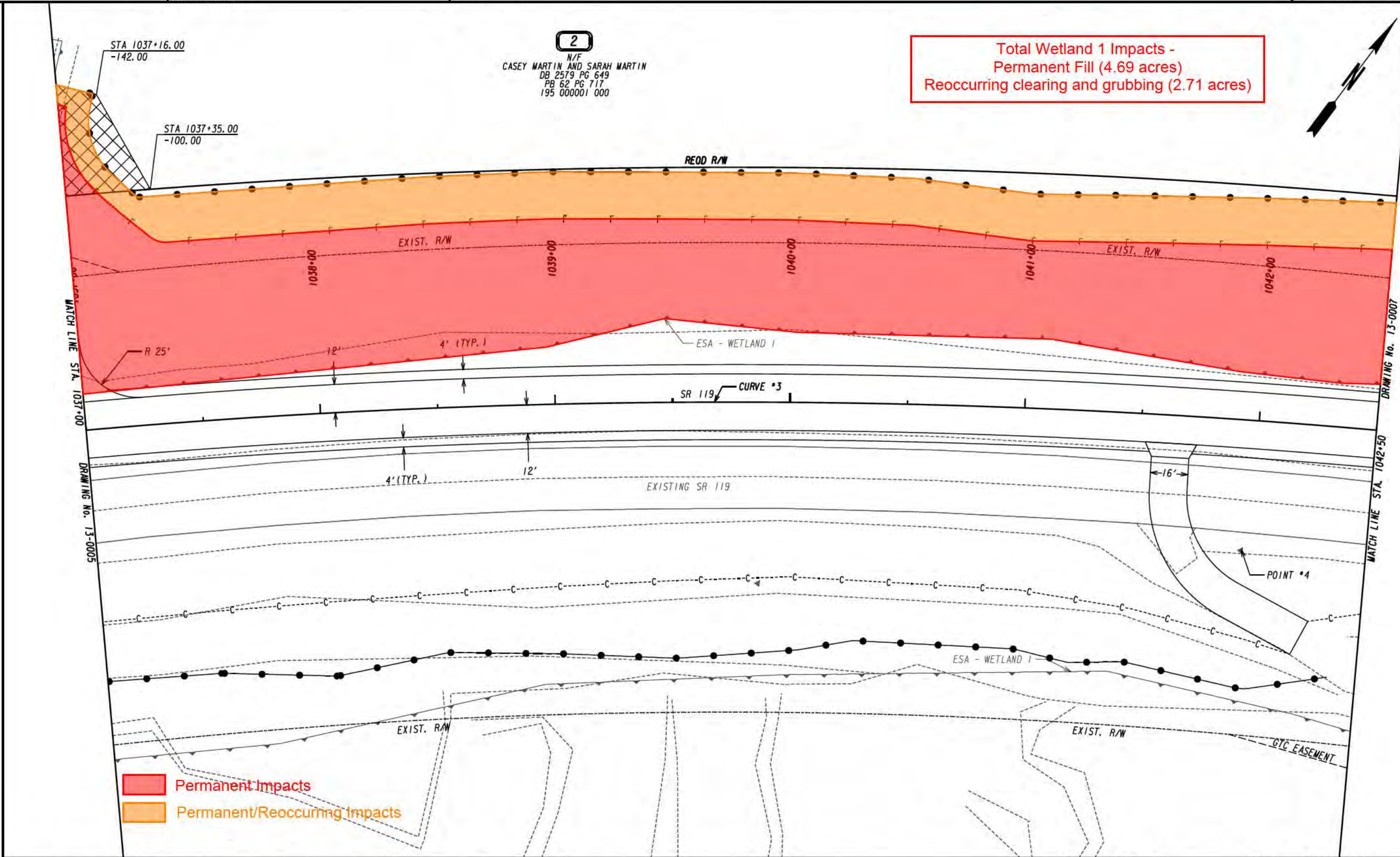
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SCALE IN FEET

REVISION DATES

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CONSTRUCTION PLAN

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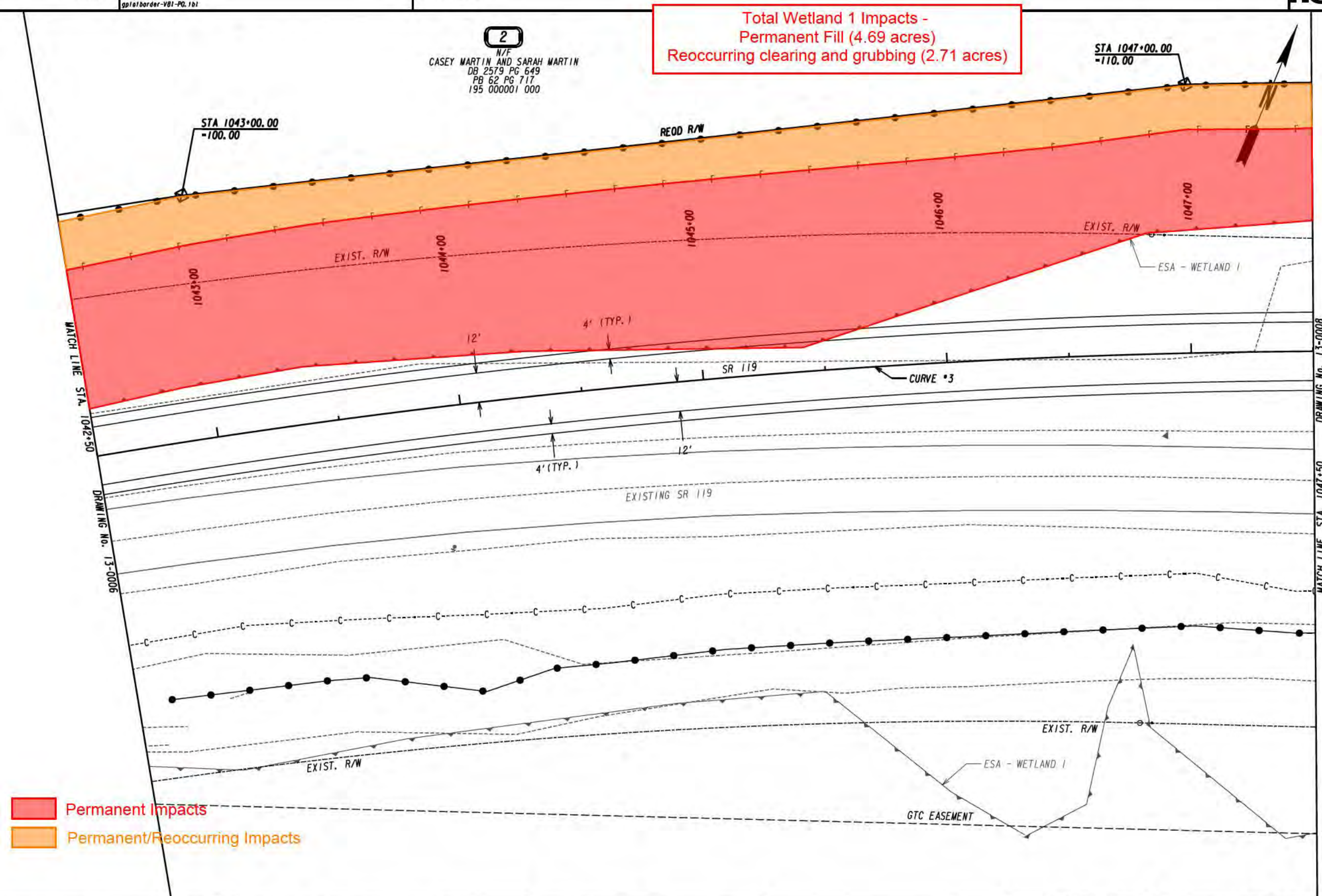
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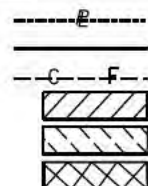
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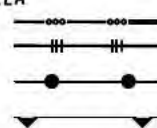
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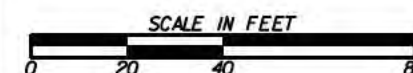
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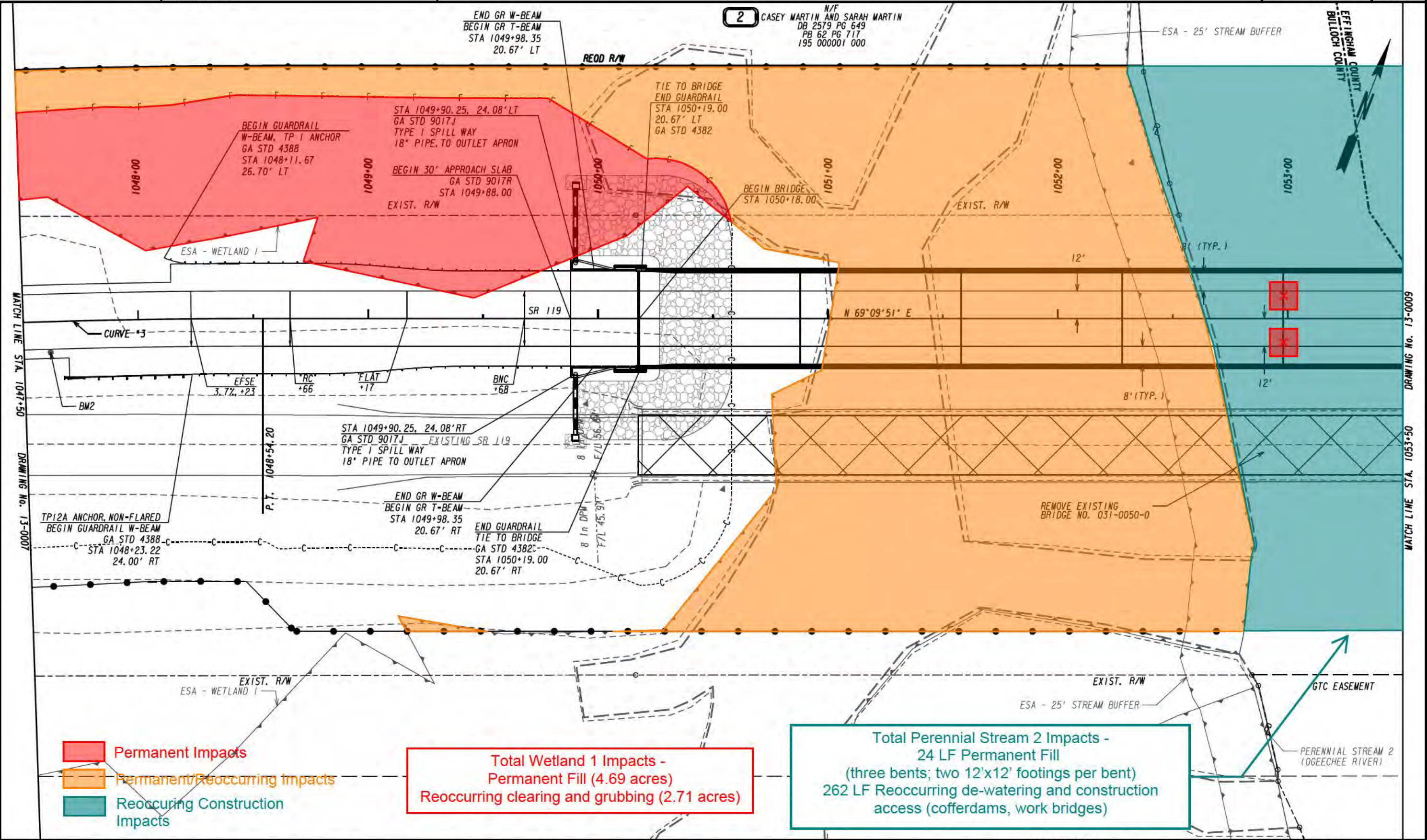
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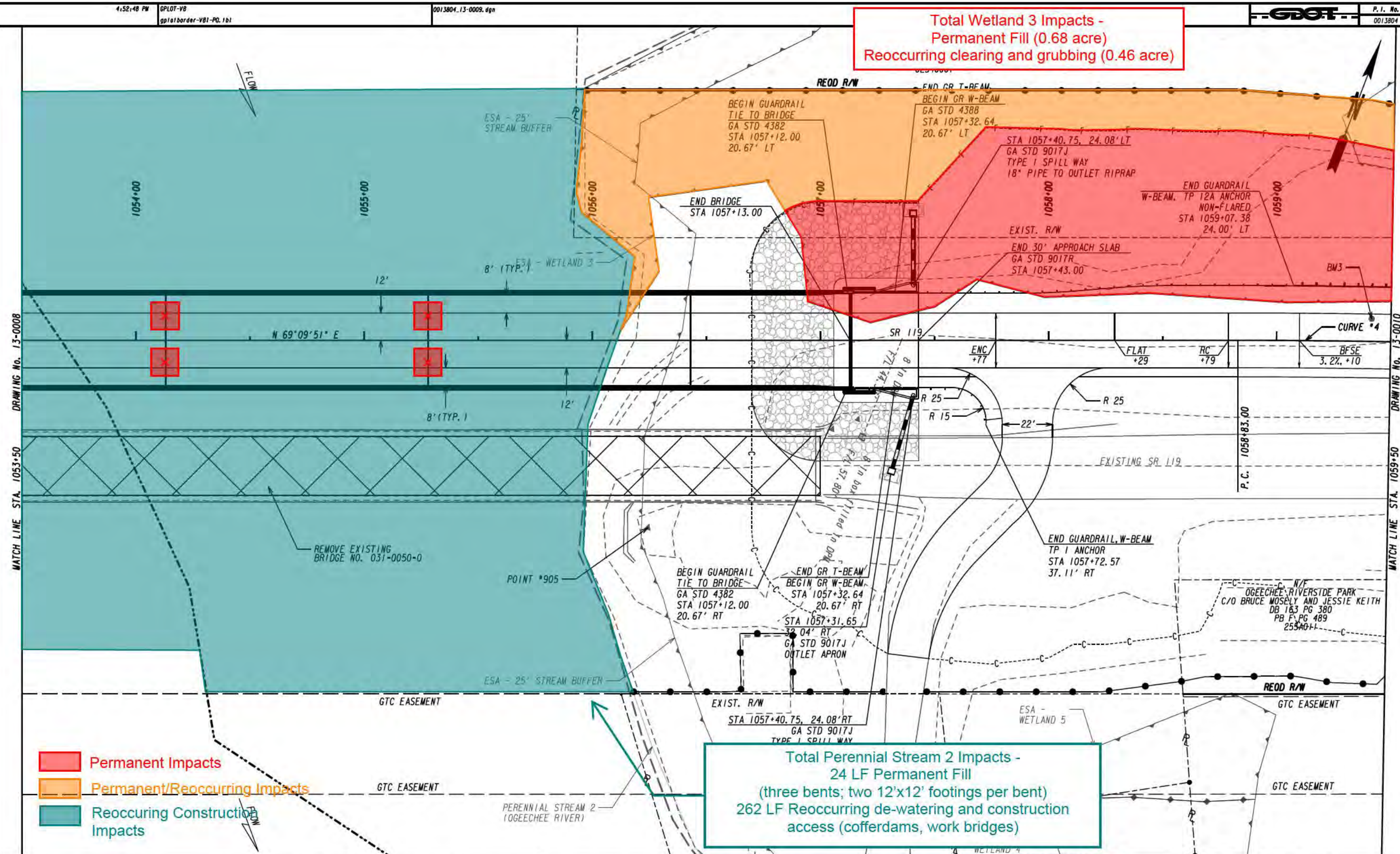
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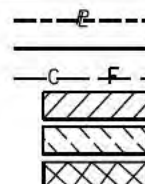
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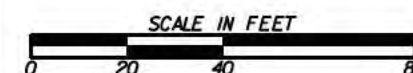
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PROGRAM DELIVERY



REVISION DATES

CONSTRUCTION PLAN

SR 119 OVER OGEECHEE RIVER & OVERFLOW
BULLOCH & EFFINGHAM COUNTIES

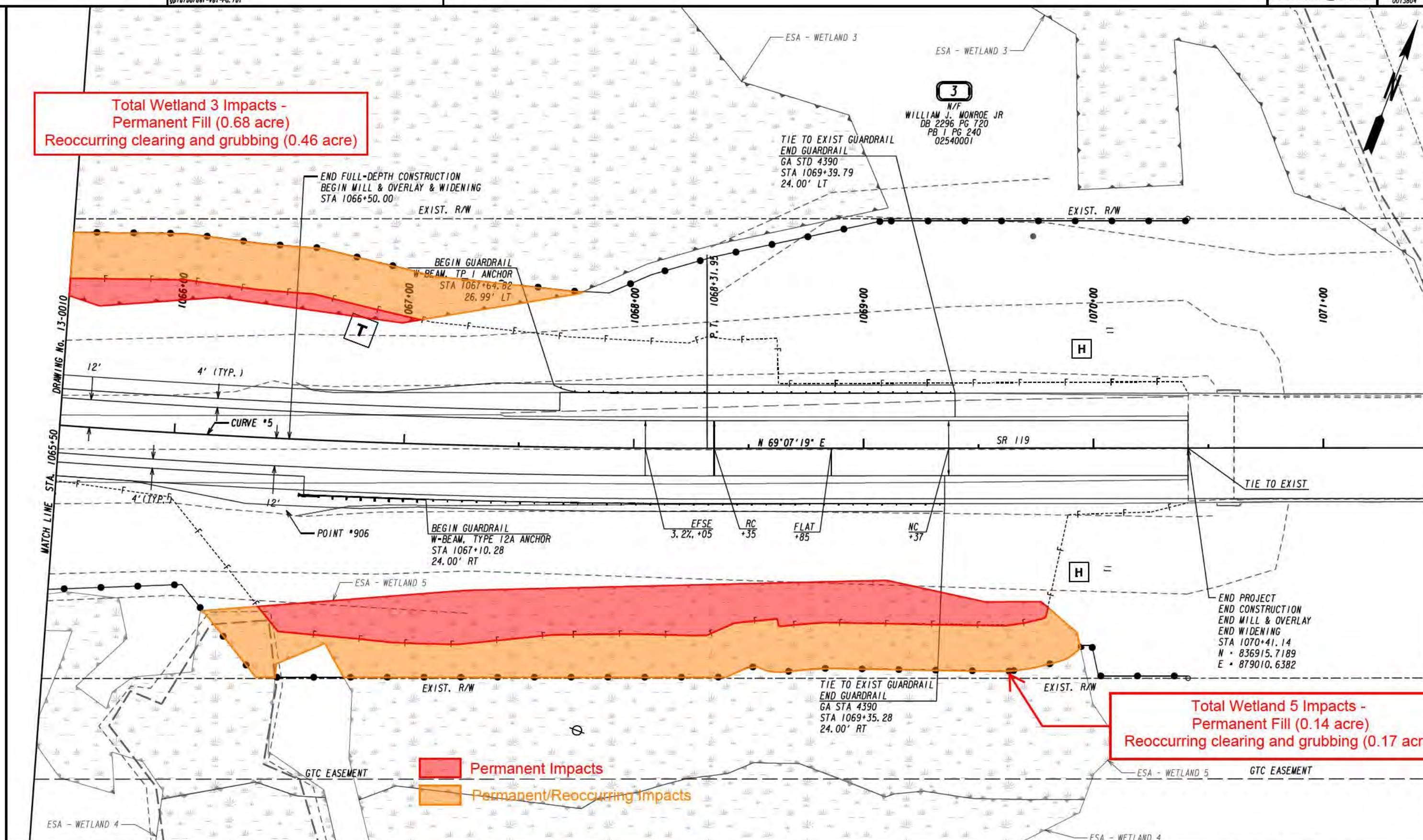
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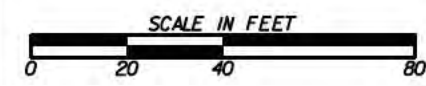
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Total Wetland 3 Impacts -
Permanent Fill (0.68 acre)
Reoccurring clearing and grubbing (0.46 acre)

Total Wetland 5 Impacts -
Permanent Fill (0.14 acre)
Reoccurring clearing and grubbing (0.17 acre)

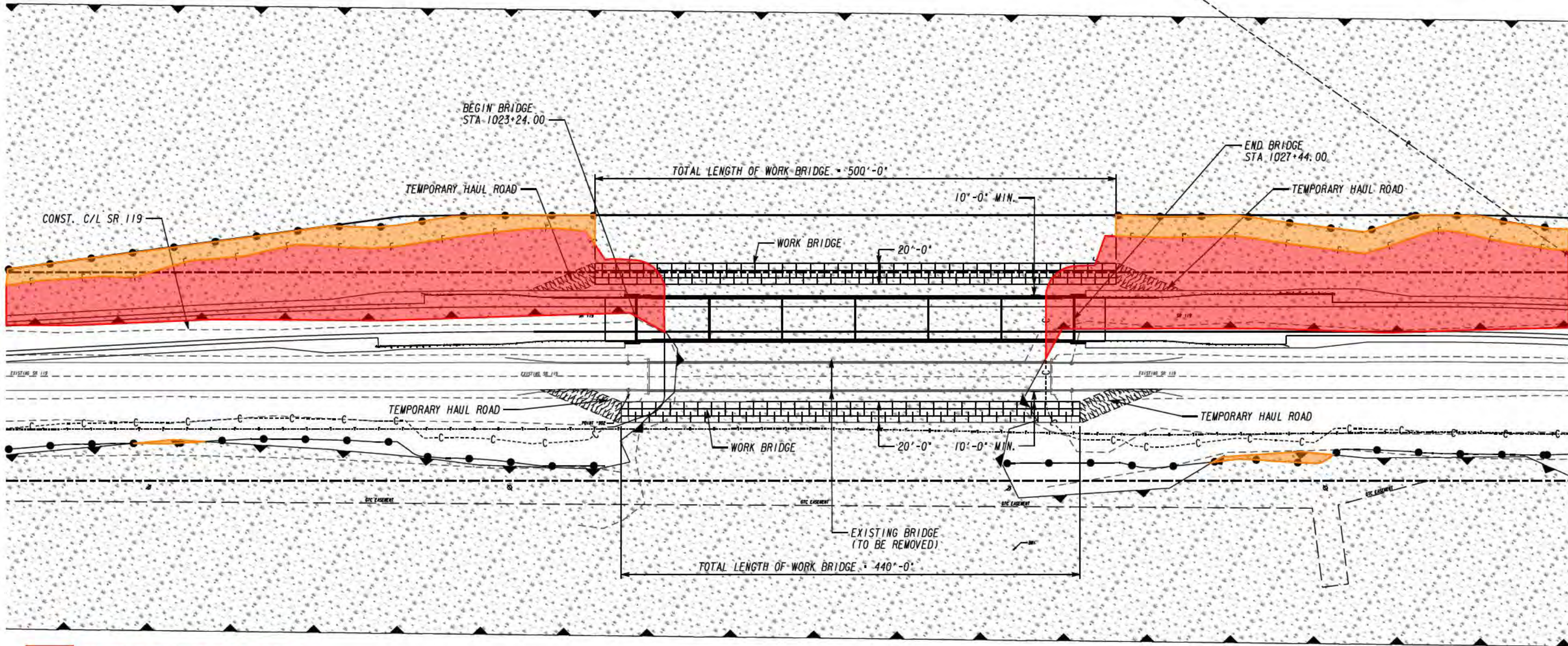
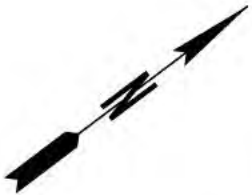


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& MAINTENANCE OF SLOPES		ORANGE BARRIER FENCE	
EASEMENT FOR CONSTR OF SLOPES		ESA - ENV. SENSITIVE AREA	
EASEMENT FOR CONSTR OF DRIVES		(SEE ERIT TABLE)	



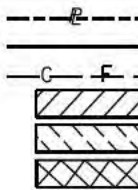
REVISION DATES			CONSTRUCTION PLAN		
			SR 119 OVER OGEECHEE RIVER & OVERFLOW		
			BULLOCH & EFFINGHAM COUNTIES		
			CHECKED:	DATE:	DRAWING No.
			BACKCHECKED:	DATE:	13-0011
			CORRECTED:	DATE:	
			VERIFIED:	DATE:	

Total Wetland 1 Impacts -
Permanent Fill (4.69 acres)
Re-occurring clearing and grubbing (2.71 acres)

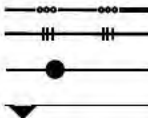


- Permanent Wetland Impacts
- Permanent/Reoccurring Wetland Impacts

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



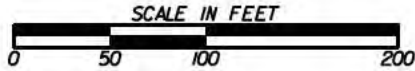
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LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



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PROGRAM DELIVERY



REVISION DATES		

CONSTRUCTION STAGING DETAILS			
TEMP. ACCESS FOR BRIDGE CONSTRUCTION			
OGEECHEE OVERFLOW BRIDGE NO. 1			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			20-0001

NOTES: CONSTRUCTION METHODOLOGY OPTIONS

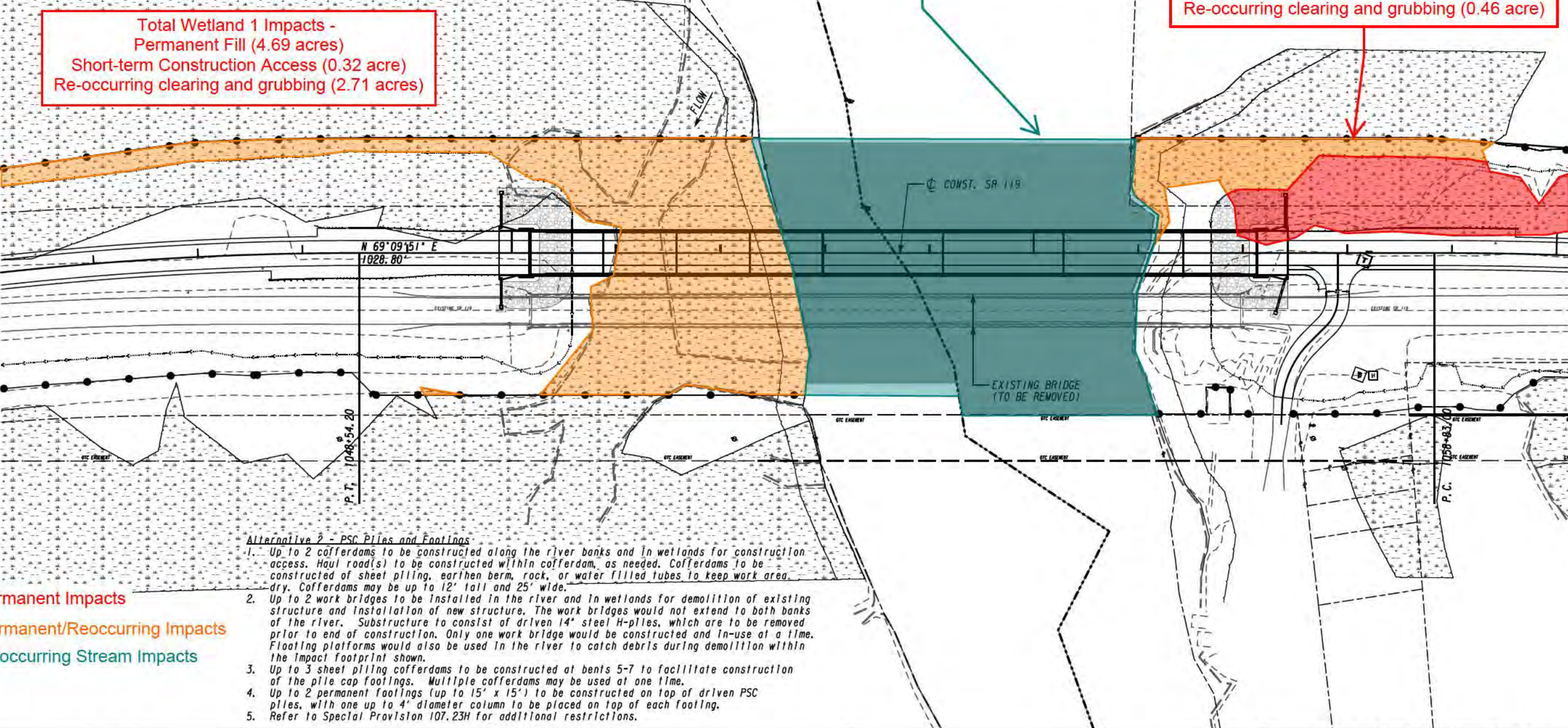
Alternative 1 - Permanent Casings

1. Up to 2 cofferdams to be constructed along the river banks and in wetlands for construction access. Haul road(s) to be constructed within cofferdam, as needed. Cofferdams to be constructed of sheet piling, earthen berm, rock, or water filled tubes to keep work area dry. Cofferdams may be up to 12' tall and 25' wide.
2. Up to 2 work bridges to be installed in the river and in wetlands for demolition of existing structure and installation of new structure. The work bridges would not extend to both banks of the river. Substructure to consist of driven 14" steel H-piles, which are to be removed prior to end of construction. Only one work bridge would be constructed and in-use at a time. Floating platforms would also be used in the river to catch debris during demolition within the impact footprint shown.
3. Permanent casings, maximum 7'-0" diameter, to be constructed around caissons at bents 5-7 in the river.
4. Refer to Special Provision 107.23H for additional restrictions.

Total Wetland 1 Impacts -
Permanent Fill (4.69 acres)
Short-term Construction Access (0.32 acre)
Re-occurring clearing and grubbing (2.71 acres)

Total Perennial Stream 2 Impacts -
24 LF Permanent Fill
(three bents; two 12'x12' footings per bent)
262 LF Reoccurring de-watering and construction
access (cofferdams, work bridges)

Total Wetland 3 Impacts -
Permanent Fill (0.68 acre)
Short-term Construction Access (0.26 acre)
Re-occurring clearing and grubbing (0.46 acre)

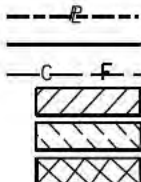


Alternative 2 - PSC Piles and Footings

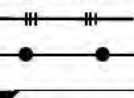
1. Up to 2 cofferdams to be constructed along the river banks and in wetlands for construction access. Haul road(s) to be constructed within cofferdam, as needed. Cofferdams to be constructed of sheet piling, earthen berm, rock, or water filled tubes to keep work area dry. Cofferdams may be up to 12' tall and 25' wide.
2. Up to 2 work bridges to be installed in the river and in wetlands for demolition of existing structure and installation of new structure. The work bridges would not extend to both banks of the river. Substructure to consist of driven 14" steel H-piles, which are to be removed prior to end of construction. Only one work bridge would be constructed and in-use at a time. Floating platforms would also be used in the river to catch debris during demolition within the impact footprint shown.
3. Up to 3 sheet piling cofferdams to be constructed at bents 5-7 to facilitate construction of the pile cap footings. Multiple cofferdams may be used at one time.
4. Up to 2 permanent footings (up to 15' x 15') to be constructed on top of driven PSC piles, with one up to 4' diameter column to be placed on top of each footing.
5. Refer to Special Provision 107.23H for additional restrictions.

- Permanent Impacts
- Permanent/Reoccurring Impacts
- Reoccurring Stream Impacts

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



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LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



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CONSTRUCTION STAGING DETAILS

NOTES:

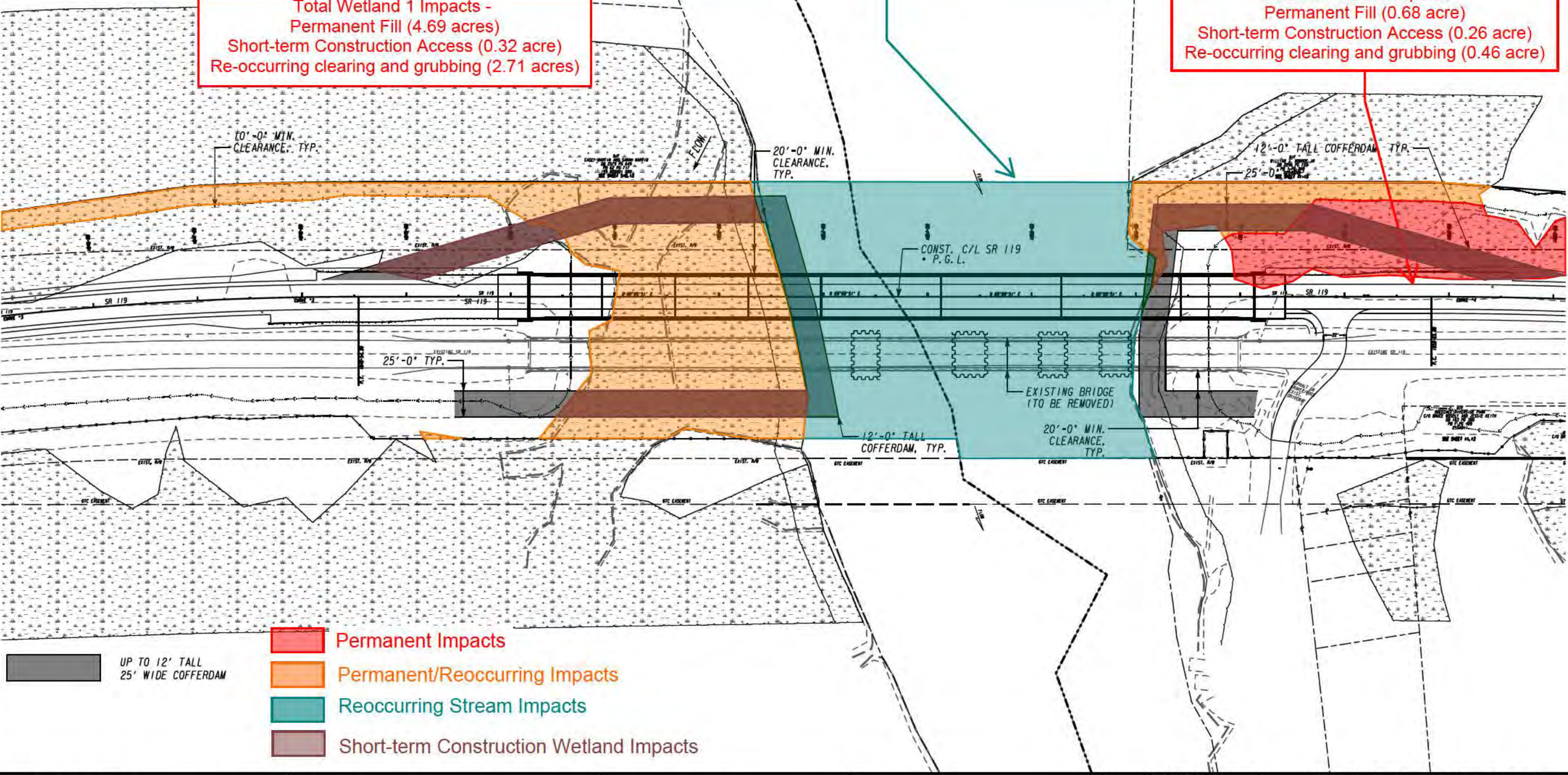
COFFERDAM TO BE CONSTRUCTED OF SHEET PILING, EARTHEN BERM, ROCK OR WATER FILLED TUBES TO KEEP WORK AREA DRY.

COFFERDAM PLACEMENT WITHIN RIVER BANKS MAY REQUIRE INSTALLATION OF FILTER FABRIC AND TYPE II BACKFILL WITHIN LIMITS SHOWN.

Total Perennial Stream 2 Impacts -
24 LF Permanent Fill
(three bents; two 12'x12' footings per bent)
262 LF Reoccurring de-watering and construction access (cofferdams, work bridges)

Total Wetland 1 Impacts -
Permanent Fill (4.69 acres)
Short-term Construction Access (0.32 acre)
Re-occurring clearing and grubbing (2.71 acres)

Total Wetland 3 Impacts -
Permanent Fill (0.68 acre)
Short-term Construction Access (0.26 acre)
Re-occurring clearing and grubbing (0.46 acre)



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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PROGRAM DELIVERY

SCALE IN FEET
0 50 100 200

REVISION DATES

CONSTRUCTION STAGING DETAILS
OVERBANK STAGING
OGEECHEE RIVER BRIDGE NO. 2

CHECKED:
BACKCHECKED:
CORRECTED:
VERIFIED:

DATE:
DATE:
DATE:
DATE:

DRAWING No.
20-0002

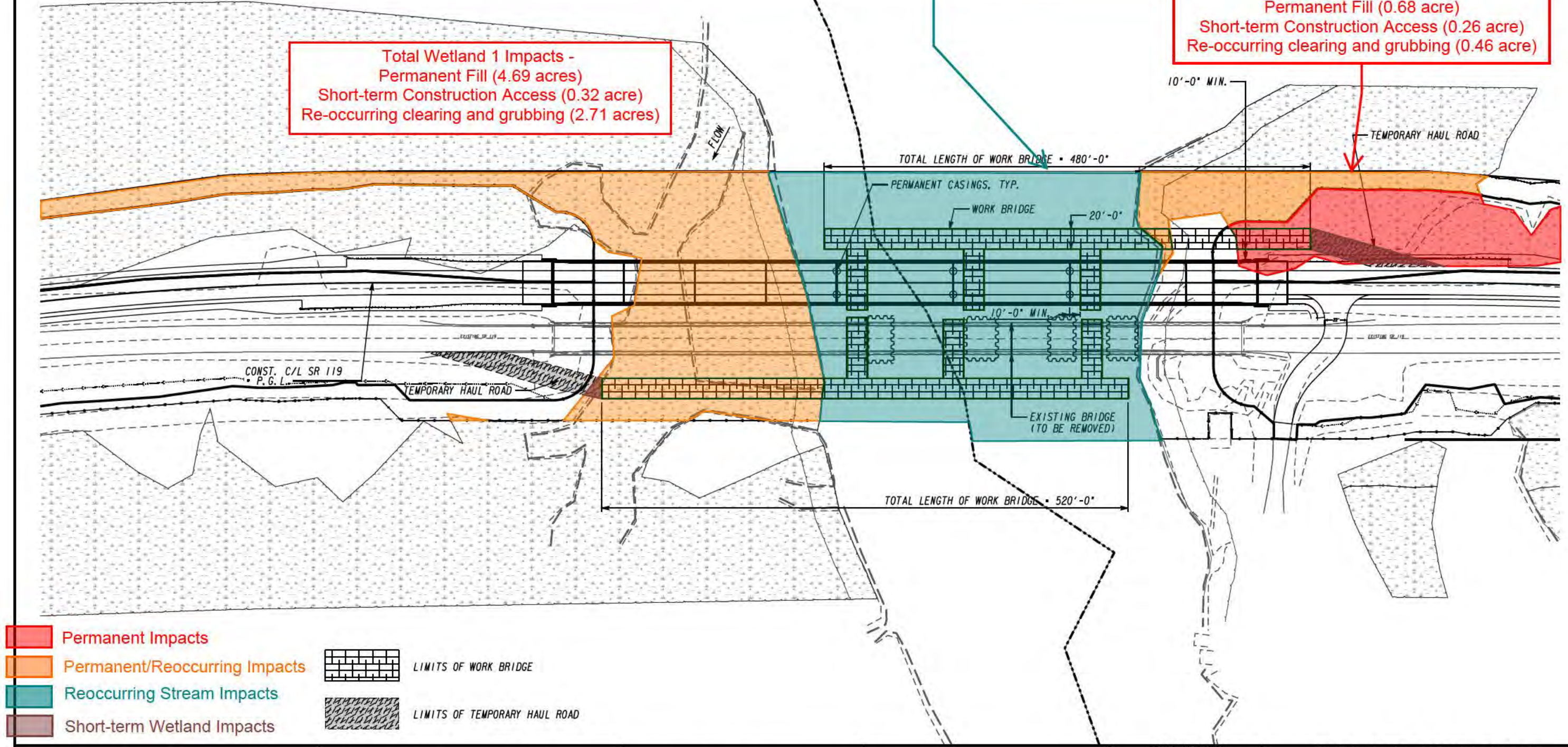
NOTES:

- 1. PERMANENT CASINGS MAXIMUM OF 7'-0" DIAMETER TO BE USED IN CONSTRUCTION OF CAISSONS AT BENTS 5-7.
- 2. EXISTING BRIDGE TO BE DEMOLISHED FROM WORK BRIDGE LOCATED TO THE SOUTH AND FLOATING PLATFORMS TO CATCH DEBRIS CAN BE USED WITHIN FOOTPRINT OF STRUCTURE, LOCATED IN OGEECHEE RIVER.
- 3. WORK BRIDGES SHALL NOT BE INSTALLED WITHIN SAME RESTRICTION PERIOD. REFER TO SPECIAL PROVISION 107.23 FOR ADDITIONAL INFORMATION.

Total Perennial Stream 2 Impacts -
24 LF Permanent Fill
(three bents; two 12'x12' footings per bent)
262 LF Reoccurring de-watering and construction access (cofferdams, work bridges)

Total Wetland 3 Impacts -
Permanent Fill (0.68 acre)
Short-term Construction Access (0.26 acre)
Re-occurring clearing and grubbing (0.46 acre)

Total Wetland 1 Impacts -
Permanent Fill (4.69 acres)
Short-term Construction Access (0.32 acre)
Re-occurring clearing and grubbing (2.71 acres)



Permanent Impacts

Permanent/Reoccurring Impacts

Reoccurring Stream Impacts

Short-term Wetland Impacts

LIMITS OF WORK BRIDGE

LIMITS OF TEMPORARY HAUL ROAD

PROPERTY AND EXISTING R/W LINE

REQUIRED R/W LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR

& MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

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LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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PROGRAM DELIVERY

SCALE IN FEET

0 50 100 200

REVISION DATES

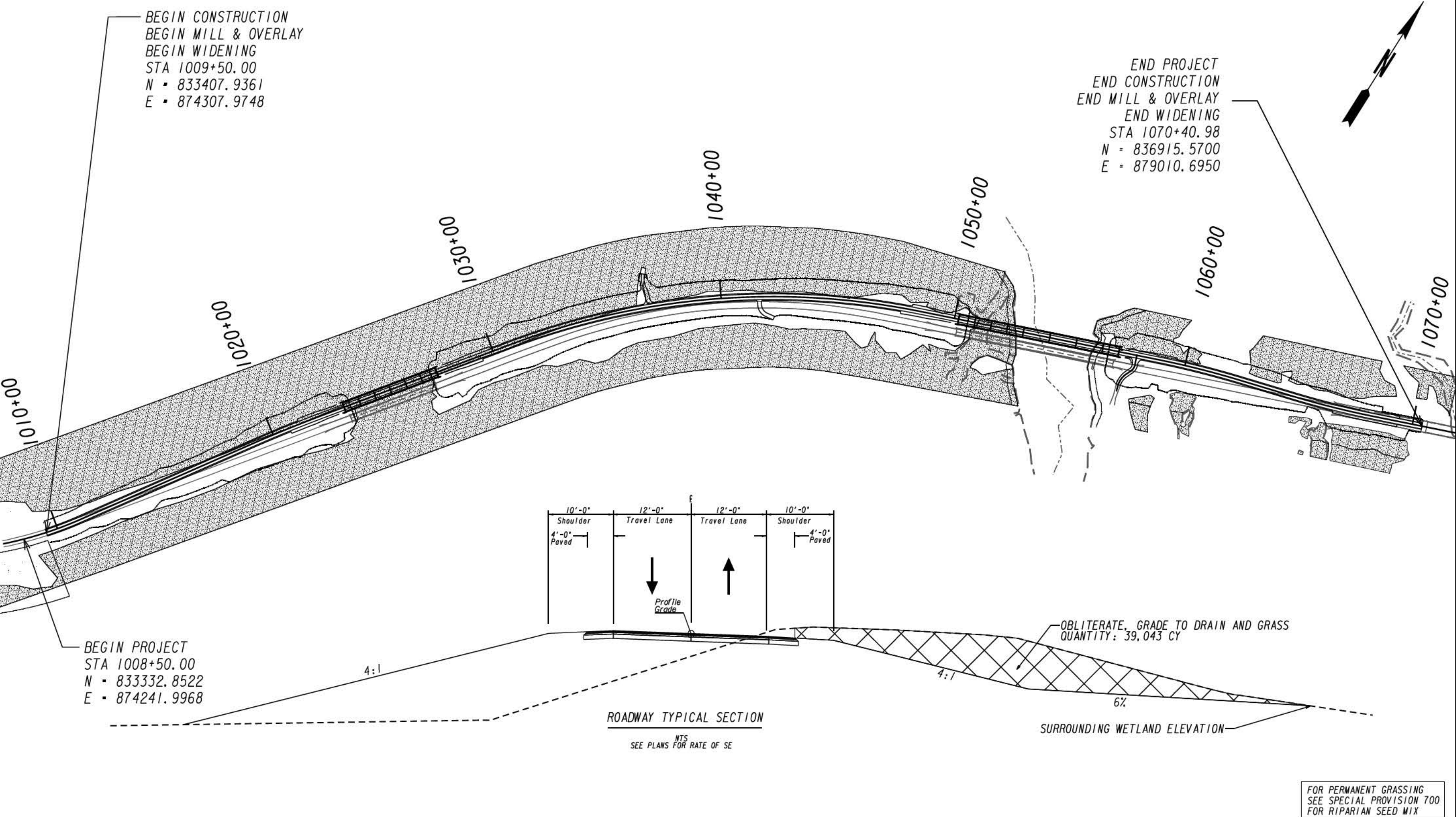
CONSTRUCTION STAGING DETAILS

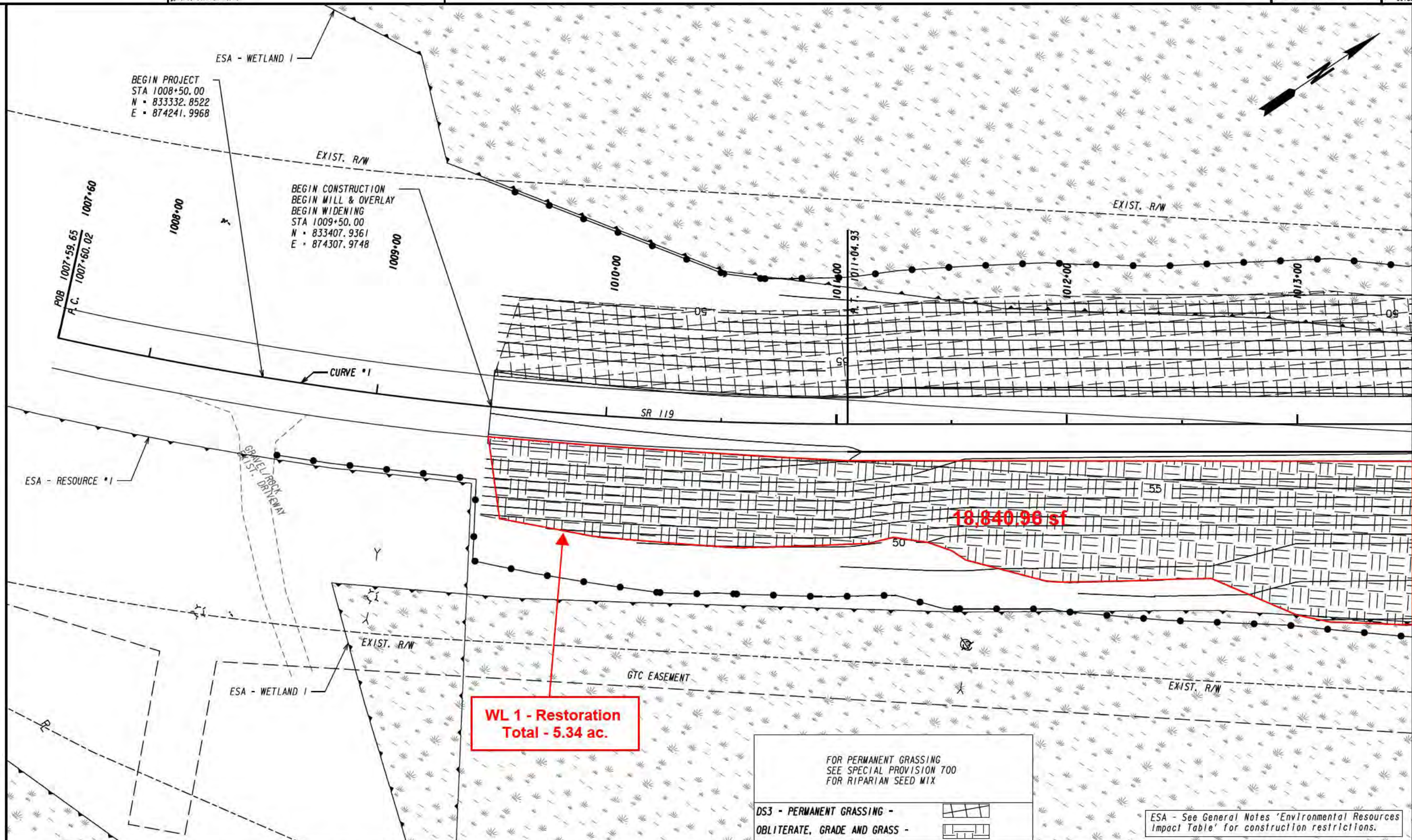
CAISSON ALTERNATIVE NO. 1

OGEECHEE RIVER BRIDGE NO. 2

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

20-0003





WL 1 - Restoration
Total - 5.34 ac.

FOR PERMANENT GRASSING
SEE SPECIAL PROVISION 700
FOR RIPARIAN SEED MIX

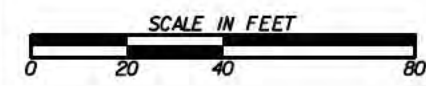
DS3 - PERMANENT GRASSING -
OBLITERATE, GRADE AND GRASS -

ESA - See General Notes 'Environmental Resources
Impact Table' for construction restrictions.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

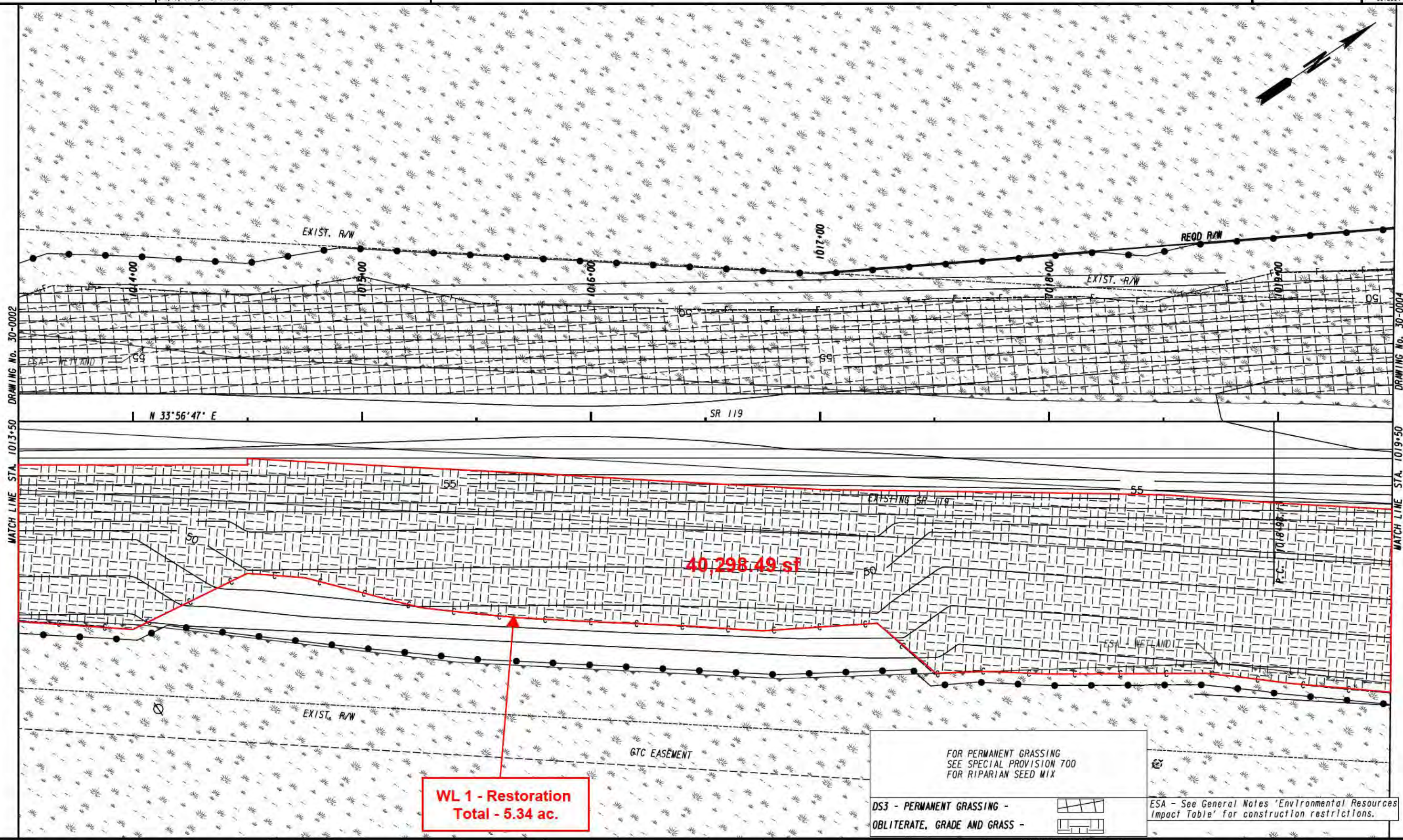
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LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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PROGRAM DELIVERY



REVISION DATES

MITIGATION PLANS			
SR 119 OVER OGEECHEE RIVER & OVERFLOW BULLOCH & EFFINGHAM COUNTIES			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	30-0002	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

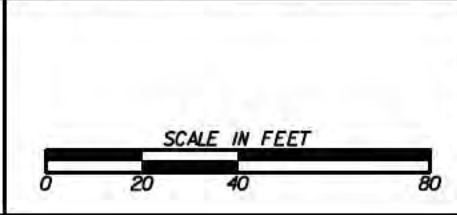


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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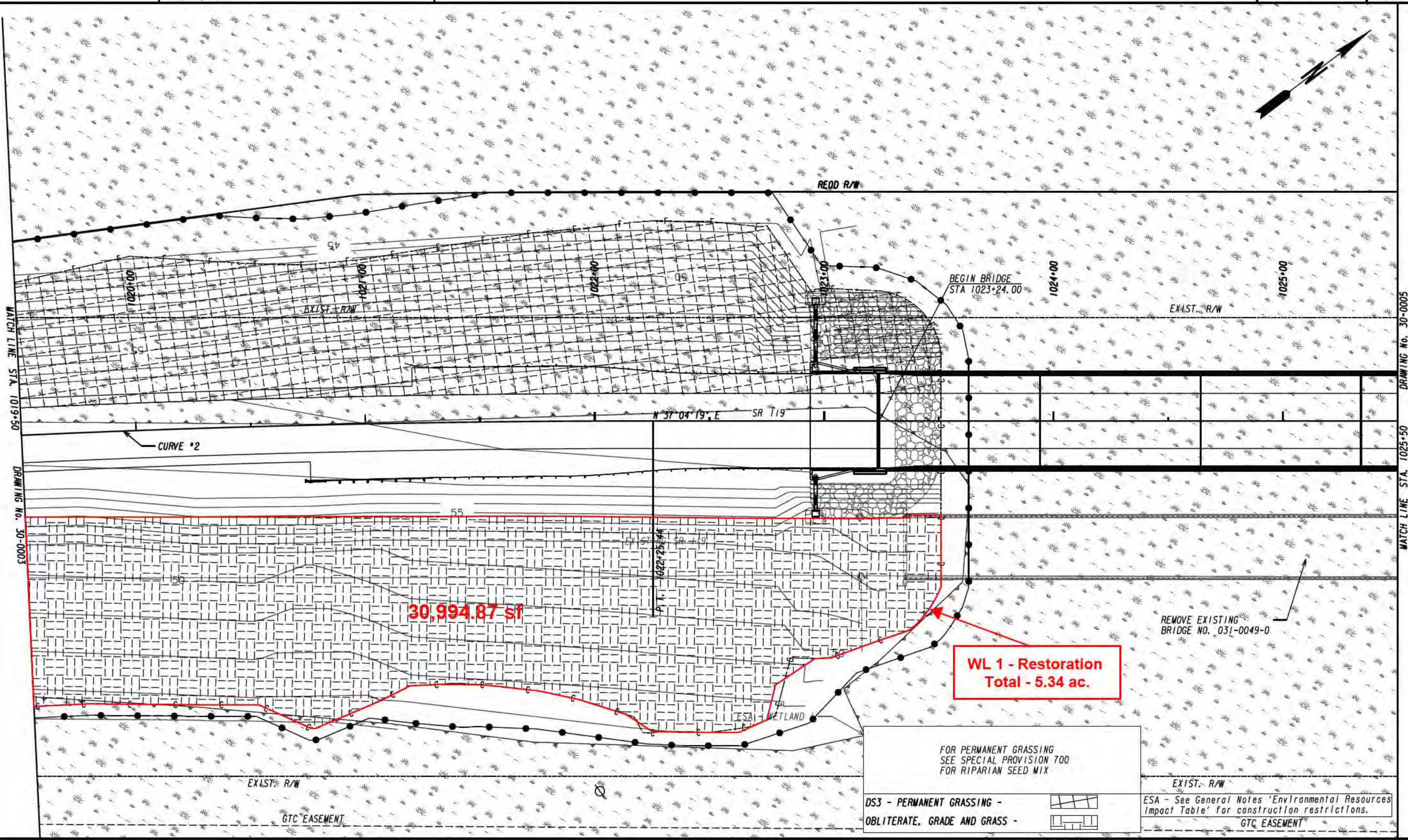
PROGRAM DELIVERY



REVISION DATES	

MITIGATION PLANS
SR 119 OVER OGEECHEE RIVER & OVERFLOW
BULLOCH & EFFINGHAM COUNTIES

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BACKCHECKED:	DATE:	30-0003
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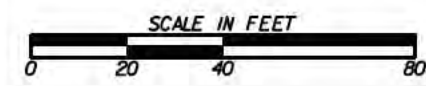


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

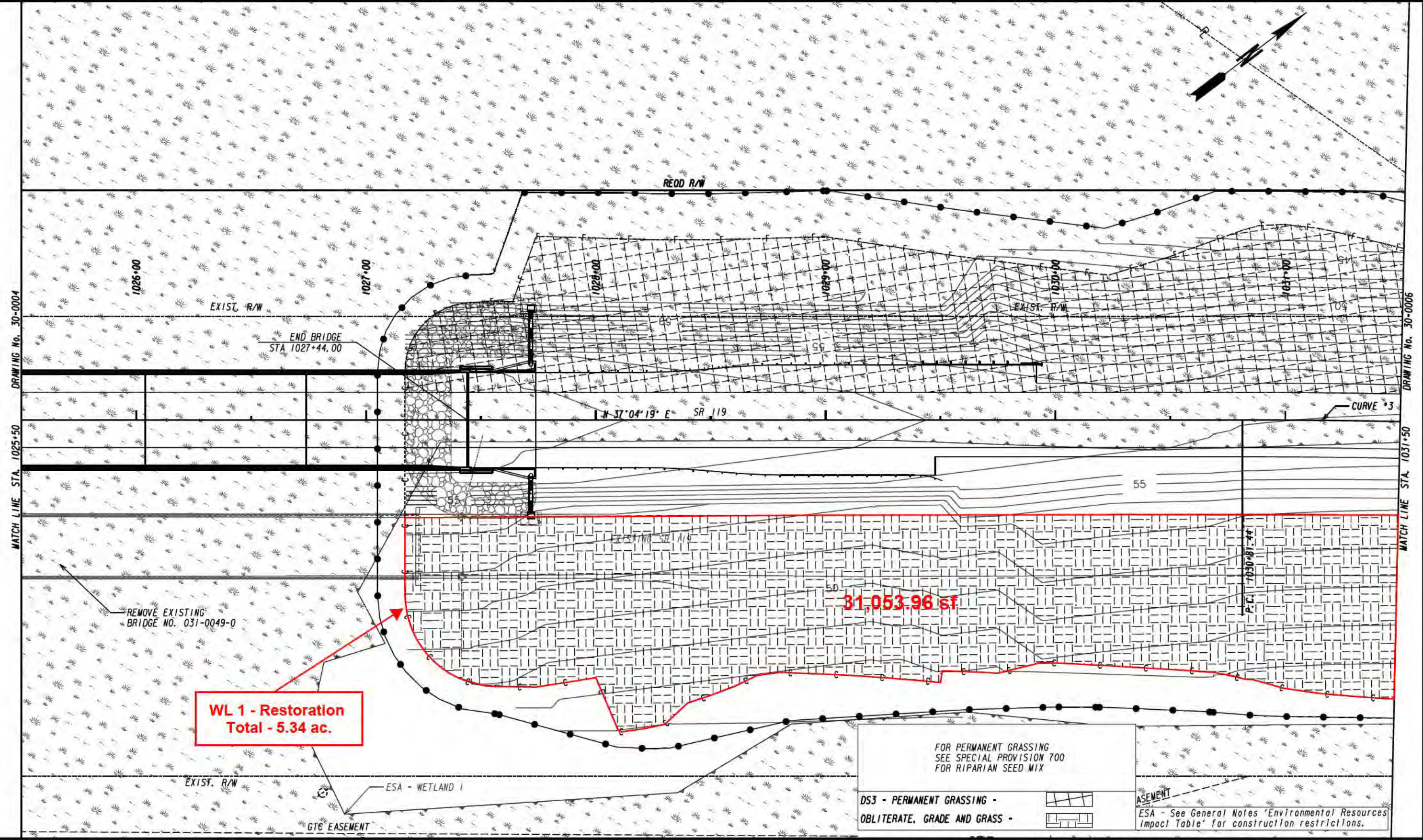
ARCADIS Design & Consultancy
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built assets

PROGRAM DELIVERY



REVISION DATES	

MITIGATION PLANS			
SR 119 OVER OGEECHEE RIVER & OVERFLOW BULLOCH & EFFINGHAM COUNTIES			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	30-0004	
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VERIFIED:	DATE:		



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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PROGRAM DELIVERY

SCALE IN FEET

REVISION DATES

MITIGATION PLANS

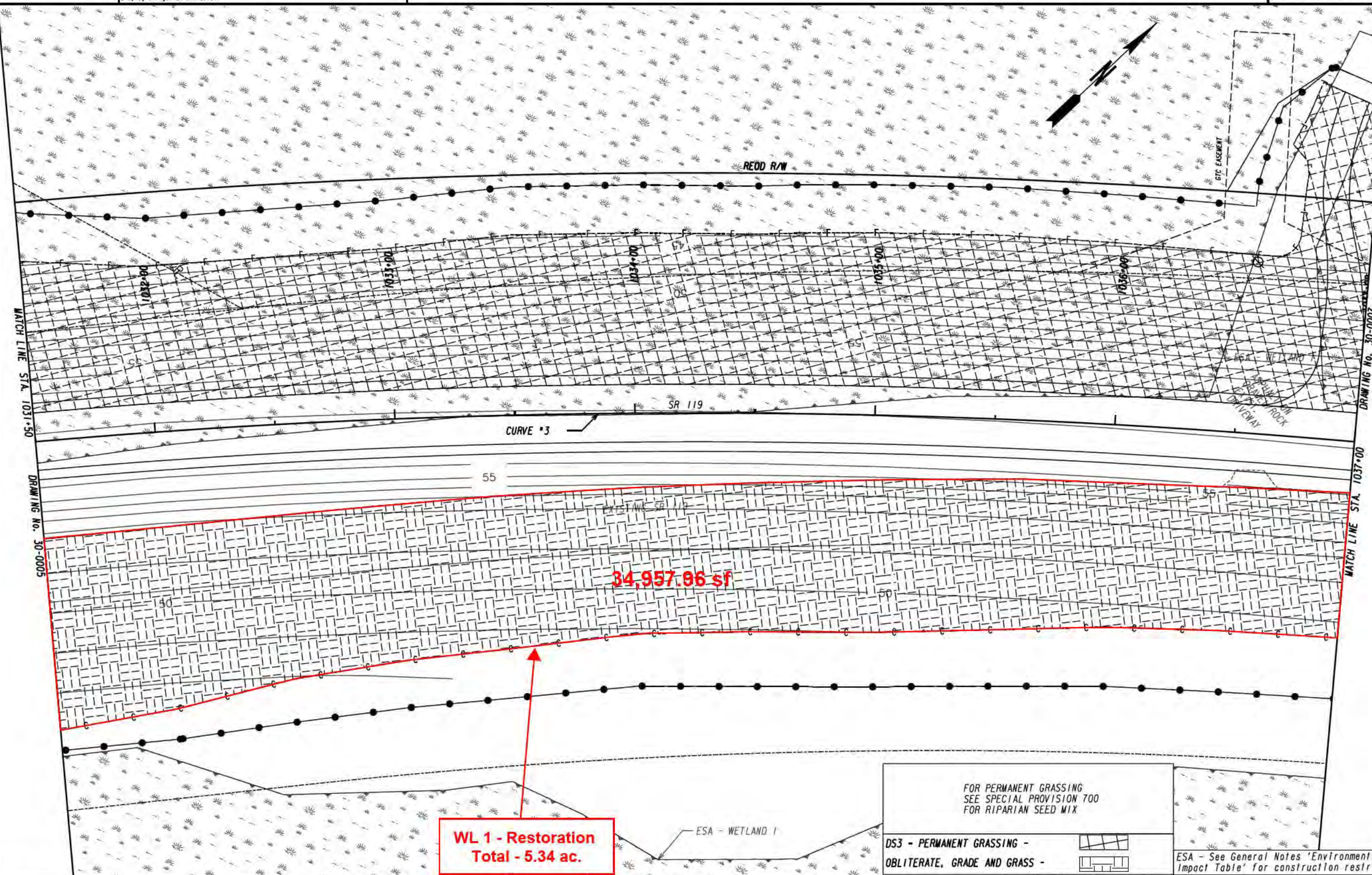
SR 119 OVER OGEECHEE RIVER & OVERFLOW
BULLOCH & EFFINGHAM COUNTIES

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DATE:

DRAWING No.
30-0005

4/23/2025 GPN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

WL 1 - Restoration
Total - 5.34 ac.

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built assets
PROGRAM DELIVERY

SCALE IN FEET
0 20 40 80

FOR PERMANENT GRASSING
SEE SPECIAL PROVISION 700
FOR RIPARIAN SEED MIX

DS3 - PERMANENT GRASSING -
OBLITERATE, GRADE AND GRASS -

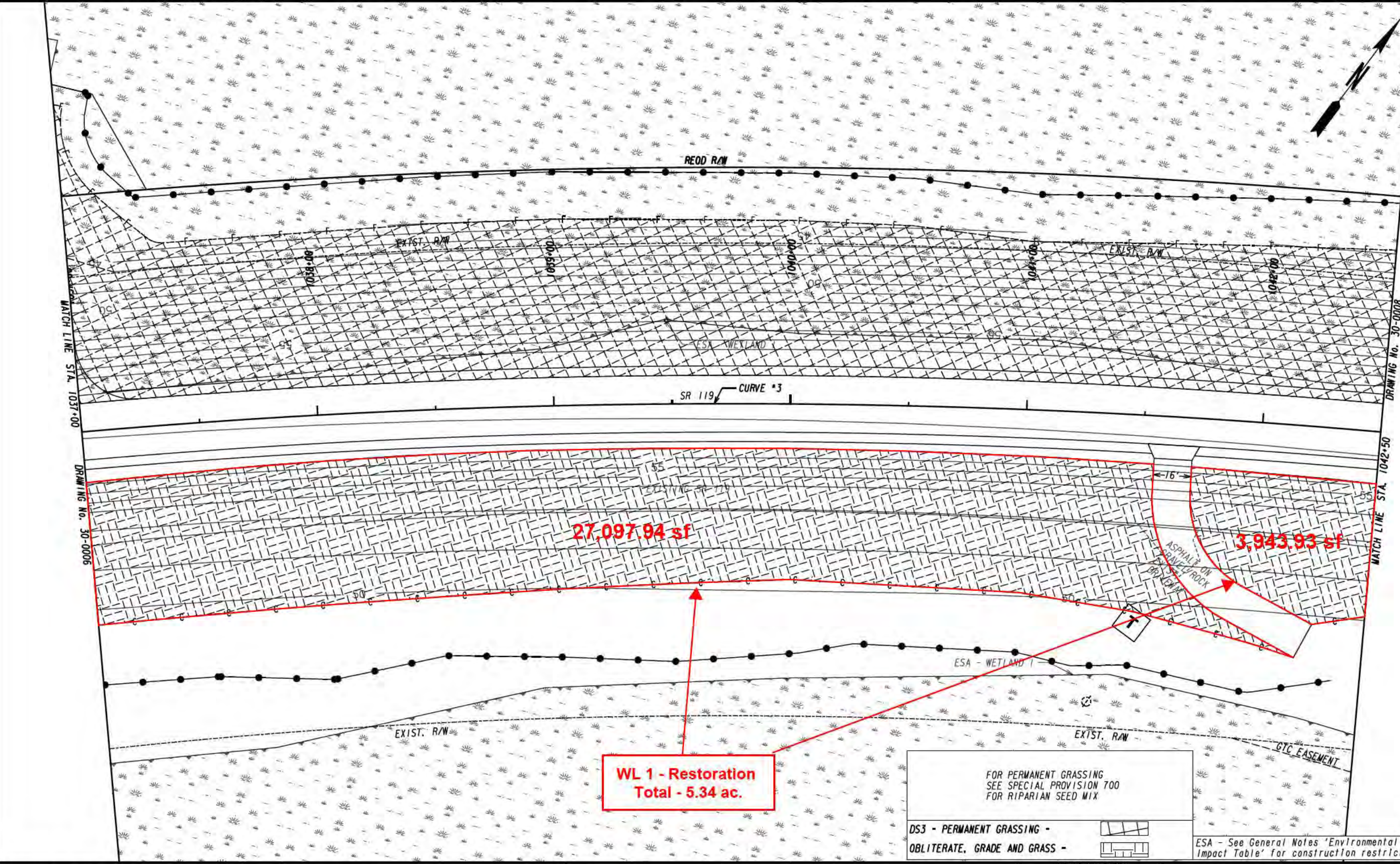
ESA - See General Notes 'Environmental Resources
Impact Table' for construction restrictions.

REVISION DATES

MITIGATION PLANS

SR 119 OVER OGEECHEE RIVER & OVERFLOW
BULLOCH & EFFINGHAM COUNTIES

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	30-0006
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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BEGIN LIMIT OF ACCESS.....BLA

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LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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built assets

PROGRAM DELIVERY

SCALE IN FEET
0 20 40 80

REVISION DATES	

MITIGATION PLANS

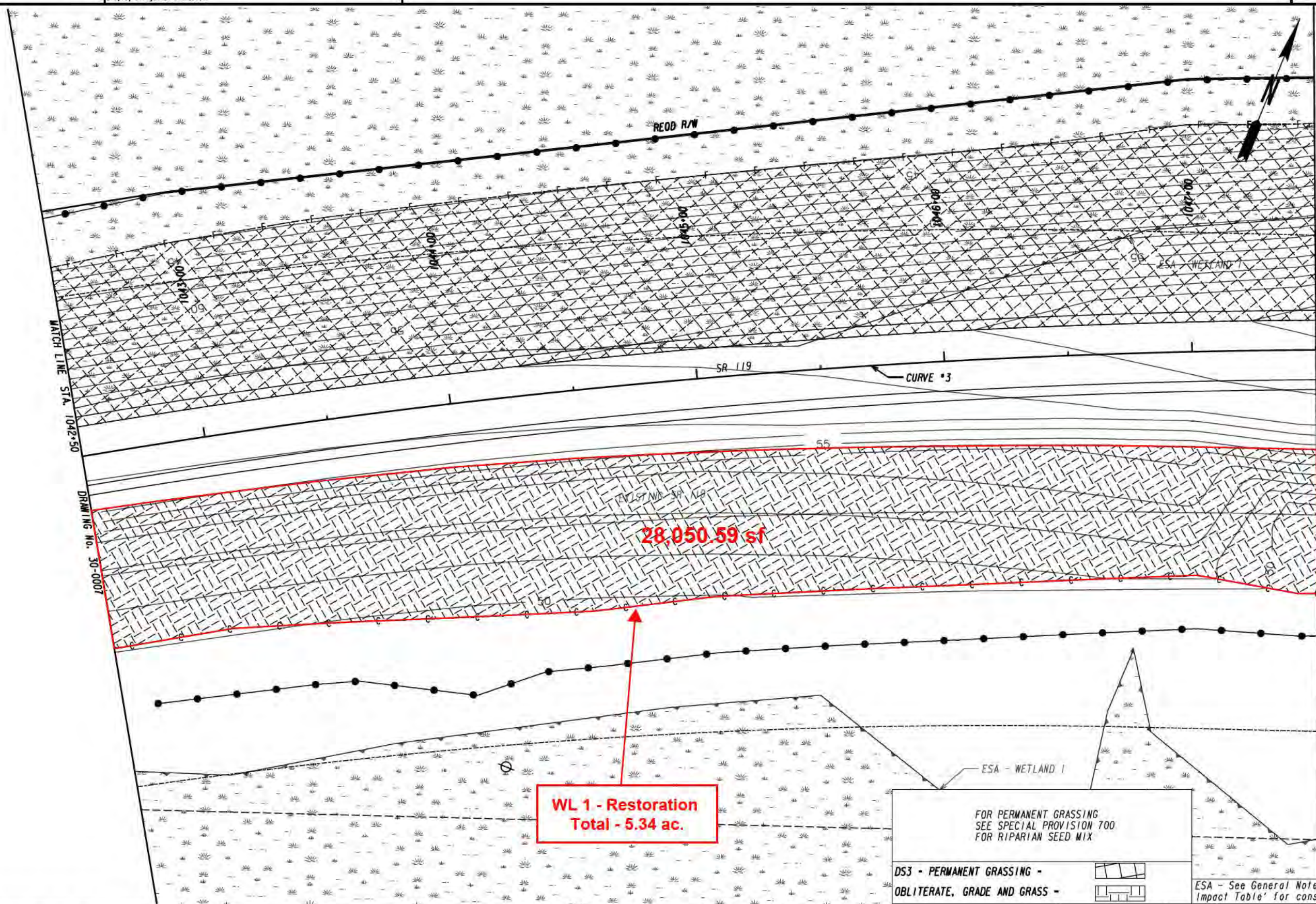
SR 119 OVER OGEECHEE RIVER & OVERFLOW
BULLOCH & EFFINGHAM COUNTIES

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BACKCHECKED:	DATE:	
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VERIFIED:	DATE:	

FOR PERMANENT GRASSING
SEE SPECIAL PROVISION 700
FOR RIPARIAN SEED MIX

DS3 - PERMANENT GRASSING -
OBLITERATE, GRADE AND GRASS -

ESA - See General Notes 'Environmental Resources
Impact Table' for construction restrictions.



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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PROGRAM DELIVERY



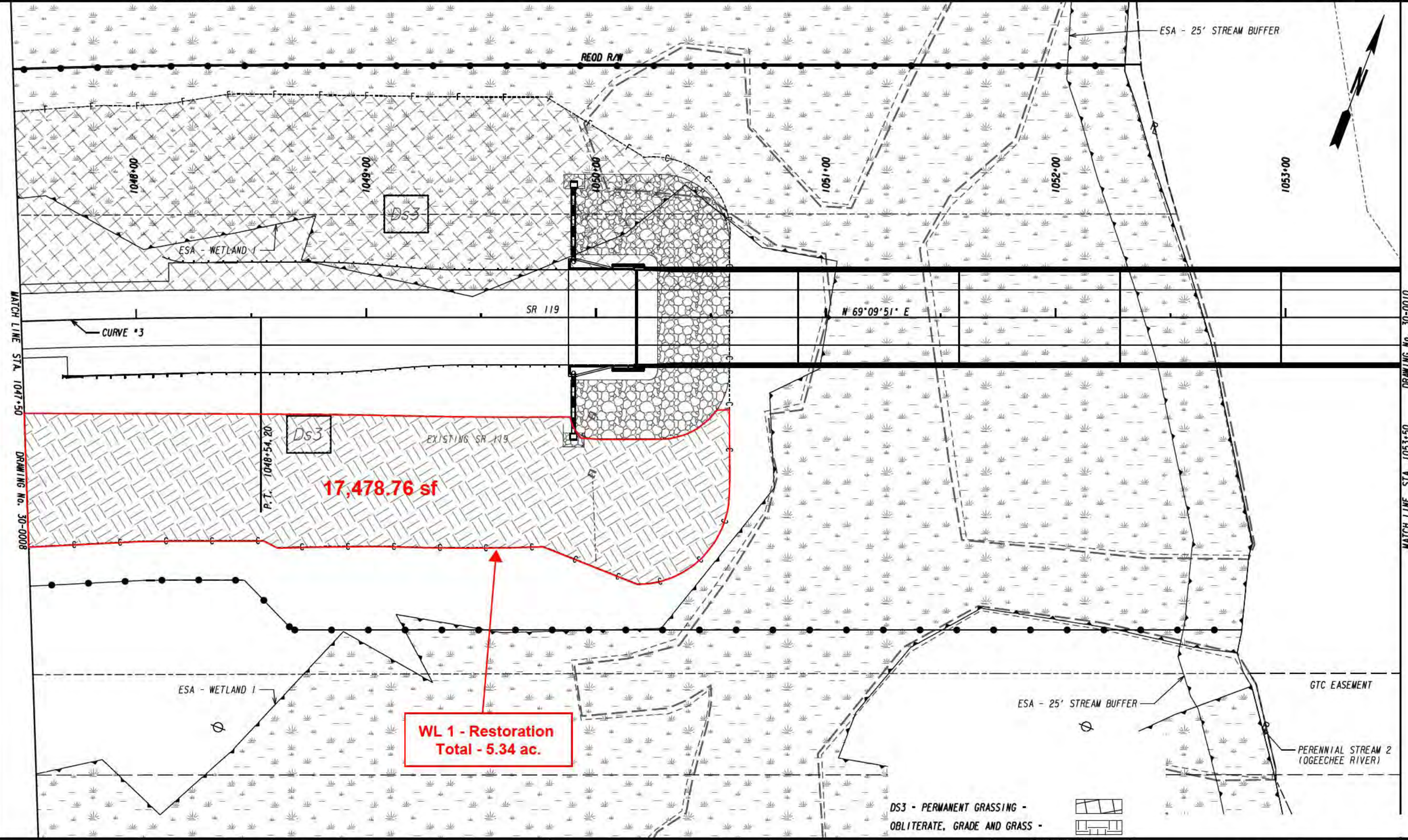
FOR PERMANENT GRASSING
SEE SPECIAL PROVISION 700
FOR RIPARIAN SEED MIX

DS3 - PERMANENT GRASSING -

OBLITERATE, GRADE AND GRASS -

ESA - See General Notes 'Environmental Resources Impact Table' for construction restrictions.

REVISION DATES				MITIGATION PLANS			
				SR 119 OVER OGEECHEE RIVER & OVERFLOW BULLOCH & EFFINGHAM COUNTIES			
CHECKED:		DATE:		DRAWING No.			
BACKCHECKED:		DATE:		30-0008			
CORRECTED:		DATE:					
VERIFIED:		DATE:					



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
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LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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built assets

PROGRAM DELIVERY

SCALE IN FEET

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REVISION DATES

MITIGATION PLANS

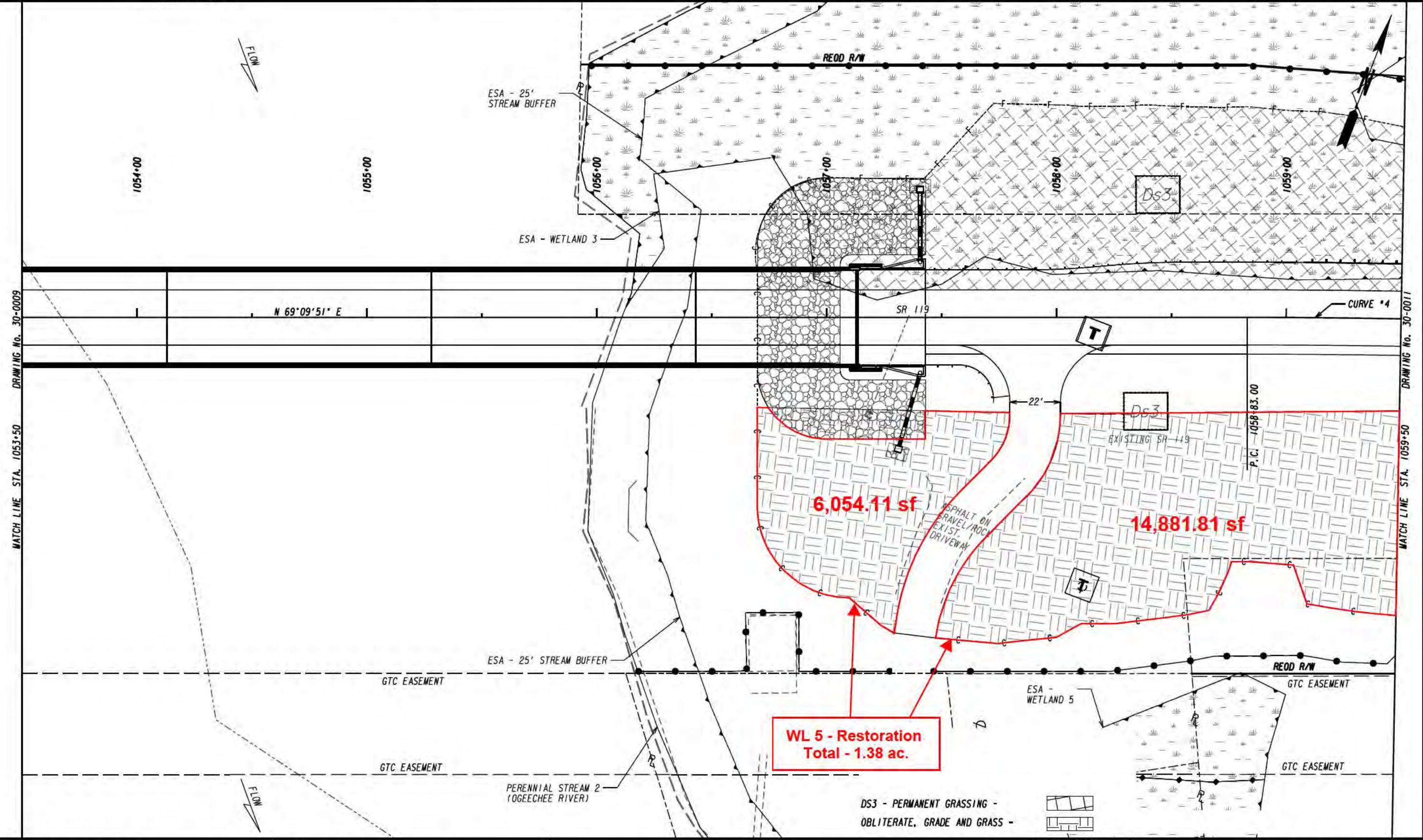
SR 119 OVER OGEECHEE RIVER & OVERFLOW
BULLOCH & EFFINGHAM COUNTIES

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DRAWING No.

30-0009



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

Legend:

- p--- BEGIN LIMIT OF ACCESS.....BLA
- f--- END LIMIT OF ACCESS.....ELA
- f--- LIMIT OF ACCESS
- f--- REQ'D R/W & LIMIT OF ACCESS
- f--- ORANGE BARRIER FENCE
- f--- ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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PROGRAM DELIVERY

SCALE IN FEET

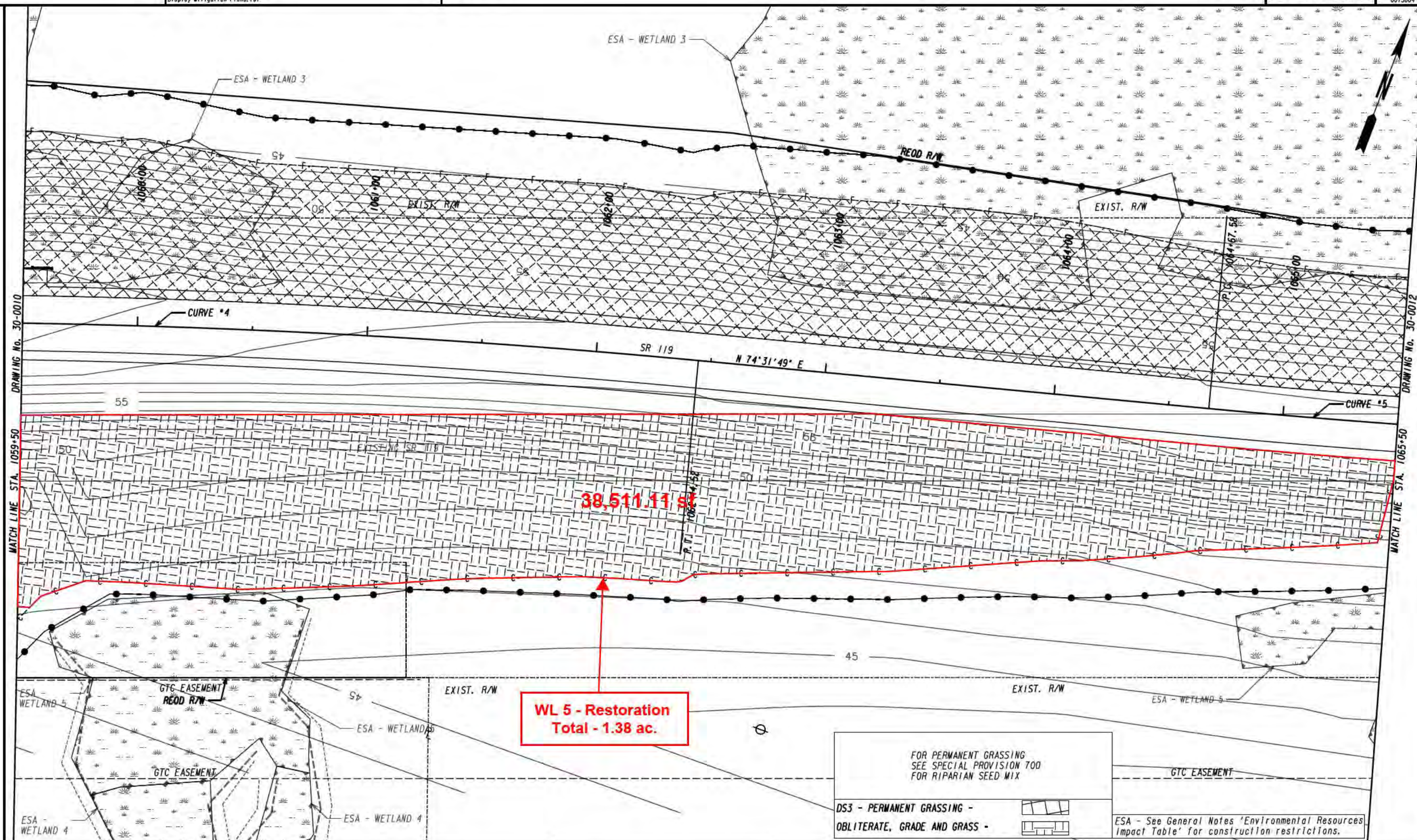
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REVISION DATES	
CHECKED:	DATE:
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VERIFIED:	DATE:

MITIGATION PLANS

SR 119 OVER OGEECHEE RIVER & OVERFLOW
BULLOCH & EFFINGHAM COUNTIES

DRAWING No.	
30-0010	



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

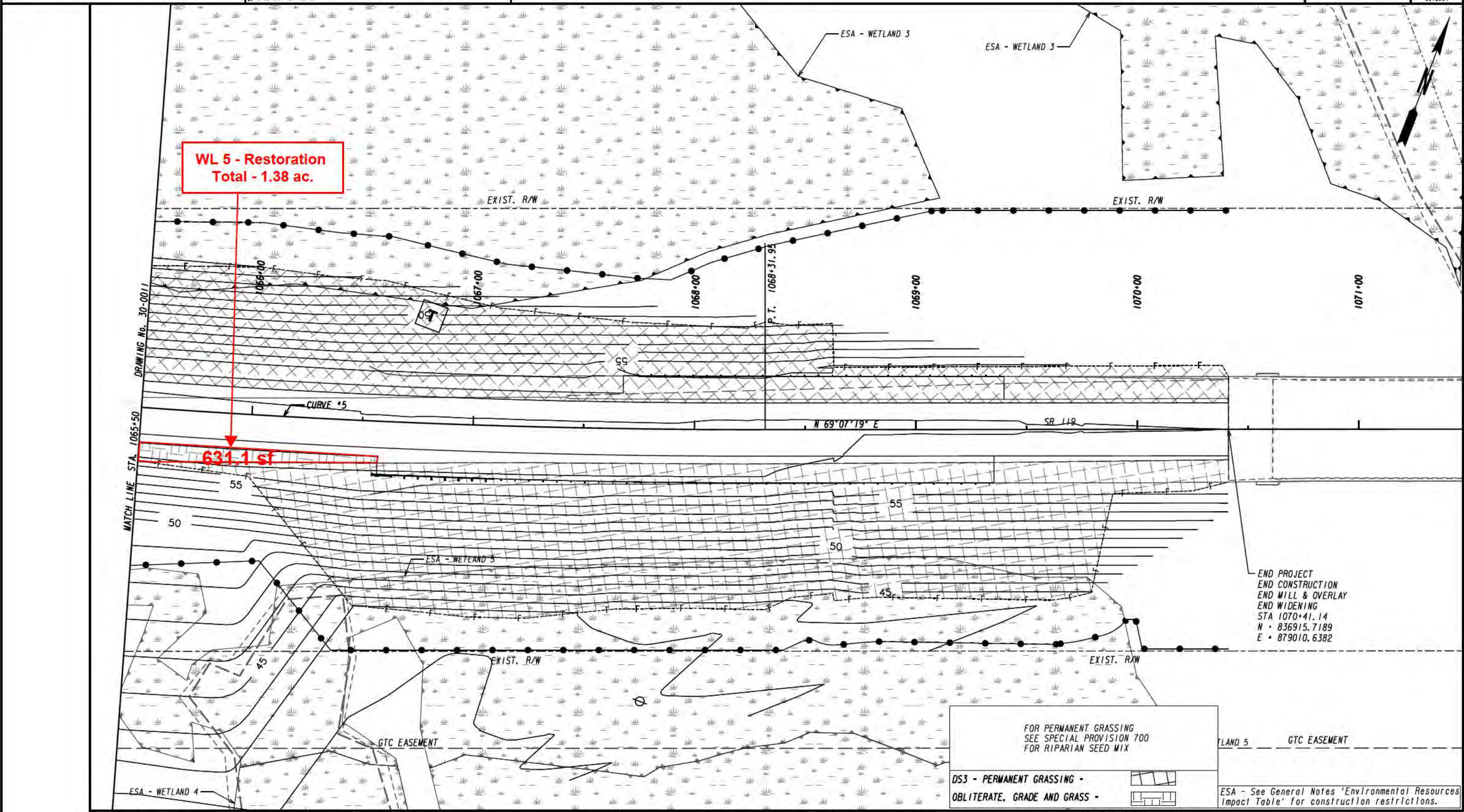
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LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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PROGRAM DELIVERY

SCALE IN FEET
0 20 40 80

REVISION DATES	

MITIGATION PLANS			
SR 119 OVER OGEECHEE RIVER & OVERFLOW BULLOCH & EFFINGHAM COUNTIES			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	30-0011	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



END PROJECT
END CONSTRUCTION
END MILL & OVERLAY
END WIDENING
STA 1070+41.14
N • 836915.7189
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FOR PERMANENT GRASSING
SEE SPECIAL PROVISION 700
FOR RIPARIAN SEED MIX

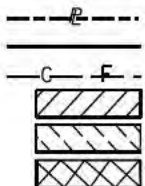
DS3 - PERMANENT GRASSING -

OBLITERATE, GRADE AND GRASS -

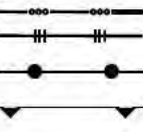
LAND 5 GTC EASEMENT

ESA - See General Notes 'Environmental Resources Impact Table' for construction restrictions.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



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PROGRAM DELIVERY



REVISION DATES

MITIGATION PLANS

SR 119 OVER OGEECHEE RIVER & OVERFLOW
BULLOCH & EFFINGHAM COUNTIES

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	30-0012
CORRECTED:	DATE:	
VERIFIED:	DATE:	