

**CHARLESTON DISTRICT, CORPS OF ENGINEERS
69A Hagood Avenue
Charleston, South Carolina 29403-5107**

**JOINT
PUBLIC NOTICE**

**CHARLESTON AND SAVANNAH DISTRICTS- US ARMY CORPS OF ENGINEERS,
and
S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL-
OFFICE OF OCEAN AND COASTAL RESOURCE MANAGEMENT,
and
GEORGIA DEPARTMENT OF NATURAL RESOURCES- ENVIRONMENTAL PROTECTION DIVISION**

REGULATORY DIVISION
Refer to: P/N #2011-1156-DIJ

January 6, 2012

Pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), Sections 401 and 404 of the Clean Water Act (33 U.S.C. 1344), the South Carolina Coastal Zone Management Act (48-39-10 et.seq.), the State of Georgia Coastal Management Program, and the Coastal Marshlands Protection Act (Georgia Laws), an application has been submitted by

**Georgia Department of Transportation
600 W. Peachtree Street, NW
Atlanta, Georgia 30308
and**

**South Carolina Department of Transportation
Post Office Box 191, 955 Park Street
Columbia, South Carolina 20202-0191**

for a permit to replace a bridge and place fill material in wetlands adjacent to and within

The Back River

located approximately one-mile north of Savannah, Georgia, beginning at the end of the existing Talmadge Bridge in Chatham County along the SR 404 Spur/ US 17, continuing over the Back River and ending along US 17 in Jasper County, South Carolina (from: Latitude 32.097732, Longitude -81.091956, to: Latitude: 32.108141, Longitude: -81.082747).). The Back River is a Section 10 navigable waterway and is a Federal Project maintained by the Savannah District, US Army Corps of Engineers.

In order to give all interested parties an opportunity to express their views

NOTICE

is hereby given that written statements regarding the proposed work will be received by the above mentioned offices until

30 DAYS FROM THE DATE OF THIS NOTICE

from those interested in the activity and whose interests may be affected by the proposed work.

BACKGROUND

This Joint Public Notice announces a request for authorizations from the US Army Corps of Engineers, the SC Department of Health and Environmental Control and the State of Georgia. The applicant's proposed work may also require local governmental approval.

The authority of the Secretary of the Army and Chief of Engineers with respect to permitting bridges was transferred to the Secretary of Transportation under the Department of Transportation Act of October 15, 1966, therefore the US Coast Guard (USCG) has the authority and responsibility for permitting bridge. Based on this, the USACE permitting authority for this project would be limited to the placement of the bridge piles in navigable waters and the placement of fill material in jurisdictional wetlands and waters of the US for the bridge approaches.

STATE OF SOUTH CAROLINA

Water Quality Certification and South Carolina Coastal Zone Management Program: The District Engineer has concluded that the discharges associated with this project, both direct and indirect, should be reviewed by the South Carolina Department of Health and Environmental Control in accordance with provisions of Section 401 of the Clean Water Act. As such, this notice constitutes a request, on behalf of the applicant, for certification that this project will comply with applicable effluent limitations and water quality standards. The work shown on this application must also be certified as consistent with applicable provisions the Coastal Zone Management Program (15 CFR 930). The District Engineer will not process this application to a conclusion until such certifications are received. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review.

SCDHEC will receive written statements regarding the proposed work. Comments concerning these actions should be submitted to: **South Carolina Department of Health and Environmental Control**

Office of Ocean and Coastal Resources Management

**1362 McMillan Avenue, Suite 400
Charleston, South Carolina 29405.**

STATE OF GEORGIA

Water Quality Certification: The Georgia Department of Natural Resources, Environmental Protection Division, intends to certify this project at the end of 30 days in accordance with the provisions of Section 401 of the Clean Water Act, which is required for a Federal Permit to conduct activity in, on, or adjacent to the waters of the State of Georgia. Copies of the application and supporting documents relative to a specific application will be available for review and copying at the office of the Georgia Department of Natural Resources, Environmental Protection Division, Water Protection Branch, 4220 International Parkway, Suite 101, Atlanta, Georgia 30354, during regular office hours. A copier machine is available for public use at a charge of 25 cents per page. Any person who desires to comment, object, or request a public hearing relative to State Water Quality Certification must do so within 30 days of the State's receipt of application in writing and state the reasons or basis of objections or request for a hearing. The application can be reviewed in the Savannah District, US Army Corps of Engineers, Regulatory Division, 100 W. Oglethorpe Avenue Savannah, Georgia 31401-3640.

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.

Marshland Protection: This notice also serves as notification of a request to alter coastal marshlands (under

the provision of the Coastal Marshlands Protection Act, Georgia Laws, 1970, p. 939 and as amended), if required. Comments concerning this action should be submitted to the Ecological Services Section, Coastal Resources Division, Georgia Department of Natural Resources, 1 Conservation Way, Brunswick, Georgia 31523-8600 (Telephone 912-264-7218).

Georgia Coastal Management Program: Prior to the Corps of Engineers making a final permit decision on this application, the project must be certified by the Georgia Department of Natural Resources, Coastal Resources Division, to be consistent with applicable provisions of the State of Georgia Coastal Management Program (15 CFR 930). Anyone wishing to comment on Coastal Management Program certification of this project should submit comments in writing within 30 days of the date of this notice to the Federal Consistency Coordinator, Ecological Services Section, Coastal Resources Division, Georgia Department of Natural Resources, One Conservation Way, Brunswick, Georgia 31523-8600 (Telephone 912-264-7218).

DESCRIPTION OF PROPOSED WORK

The proposed work consists of replacing the existing bridge over the Back River on a new alignment. The new alignment will shift the SR 404 Spur/ US 17 interchange with Wayne Shackelford Boulevard on Hutchinson Island to the west of its current location and create a new bridge over the Back River to the west of the existing bridge. The proposed project stays to the west of the existing alignment until merging back with the existing road alignment in Jasper County, South Carolina. The proposed typical section of the bridge would consist of two twelve foot travel lanes, one in each direction, plus eight-foot shoulders on either side for the majority of the project corridor. A southbound deceleration lane would be included to provide a safe exit onto Hutchinson Island, and a northbound deceleration lane would be provided to allow a safe exit onto an unnamed access road in South Carolina on the east side of US 17. The existing bridge will be demolished once the new structure is open to traffic. The purpose of the proposed work is to replace a structurally deficient bridge.

The proposed project would require permanent fill in 1.65 acres of tidal wetlands and the temporary clearing of 0.28 acre of tidal wetlands. The impacts will allow for the construction of the bridge approaches that would tie into the existing roadway network, re-aligning the existing roadway, construction of the ends of the bridge, as well as allowing access to a temporary work bridge that would allow for construction from the South Carolina side of the bridge where water depths are not sufficient to allow for construction from barges. The proposed bridge will utilize scuppers for bridge drainage. The replacement bridge is elevated 3 feet above the existing bridge and is designed with a 0.3 percent grade. The applicant states that due to the length of the bridge and minimal slope, it is not feasible to drain the stormwater back to land.

The applicant states that they have minimized impacts to wetlands as much as practicable. Geotechnical analysis of the structural capacity of the underlying marsh soils revealed that the load capacity was not sufficient to support the roadway with 2:1 slopes without a high probability of roadway failure. As a result, the recommendation from the geotechnical analysis was to utilize 4:1 slopes in order to provide greater structural load capacity. In addition, the proposed design utilizes 70-foot spacing between bents, which is longer than the current spacing. This minimizes the number of bents located in the Back River.

The applicant has calculated the required mitigation credits needed to compensate for the proposed impacts utilizing the April 2004 version of the USACE Savannah District's Standard Operating Procedure for Compensatory Mitigation and the USACE Charleston District's Required Wetland Mitigation Credit Table and Worksheet, as appropriate. No on-site location existed for wetland restoration to be included as a component of the compensatory mitigation for project related impacts to waters of the US. The applicant proposes to compensate for the impacts by purchasing 4.1 tidal marsh mitigation credits for the Georgia impacts from Salt Creek Saltmarsh Mitigation Bank in Chatham County, Georgia. Currently this mitigation bank is not approved; however the applicant proposes to purchase the credits when they become available. Impacts in South Carolina

will be mitigated by debiting 18.2 tidal marsh mitigation credits from SCDOT's Huspa Creek Mitigation Bank in Beaufort County, South Carolina.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Implementation of the proposed project would impact 1.95 acres of estuarine substrates and emergent wetlands utilized by various life stages of species comprising the red drum, shrimp, and snapper-grouper management complexes. Our initial determination is that the proposed action would not have a substantial individual or cumulative adverse impact on EFH or fisheries managed by the South Atlantic Fishery Management Council and the National Marine Fisheries Service (NMFS). Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

Pursuant to Section 7(c) of the Endangered Species Act of 1973 (as amended), the applicant has provided a protected species survey for the property associated with the activity described above. Based upon this report, the District Engineer has determined that the project is not likely to adversely affect the manatee, wood stork, and the shortnose sturgeon and there will be no effect on other Federally endangered, threatened, or proposed species nor will the project result in the destruction or adverse modification of designated or proposed critical habitat. This public notice serves as a request for written concurrence from the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service on this determination.

Pursuant to Section 106 of the National Historic Preservation Act (NHPA), this public notice also constitutes a request to Indian Tribes to notify the District Engineer of any historic properties of religious and cultural significance to them that may be affected by the proposed undertaking.

The applicant did coordinate with the South Carolina and Georgia State Historic Preservation Offices early in the planning process. One NRHP eligible site was identified and a Memorandum of Agreement (MOA) was signed between the Federal Highway Administration and Georgia Department of Transportation in 2007. It is the Corps' understanding that since that time, all stipulations of the MOA have been fulfilled. In accordance with the NHPA, the District Engineer has also consulted the latest published version of the National Register of Historic Places for the presence or absence of registered properties, or properties listed as being eligible for inclusion therein, and this worksite does not contain any other registered properties or properties listed as being eligible for inclusion in the Register. To insure that other cultural resources that the District Engineer is not aware of are not overlooked, this public notice also serves as a request to the South Carolina and Georgia State Historic Preservation Offices to provide any information it may have with regard to historic and cultural resources.

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 a public hearing shall state, with particularity, the reasons for holding a public hearing.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the activity on the public interest and will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency (EPA), under authority of Section 404(b) of the Clean Water Act and, as appropriate, the criteria established under authority of Section 102 of the Marine Protection, Research and Sanctuaries Act of 1972, as amended. 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 project must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the project 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 and, in general, the needs and welfare of the people. A permit will

be granted unless the District Engineer determines that it would be contrary to the public interest. In cases of conflicting property rights, the Corps of Engineers cannot undertake to adjudicate rival claims.

The Charleston District, Army 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 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 project. 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 activity. Comments should be submitted to:

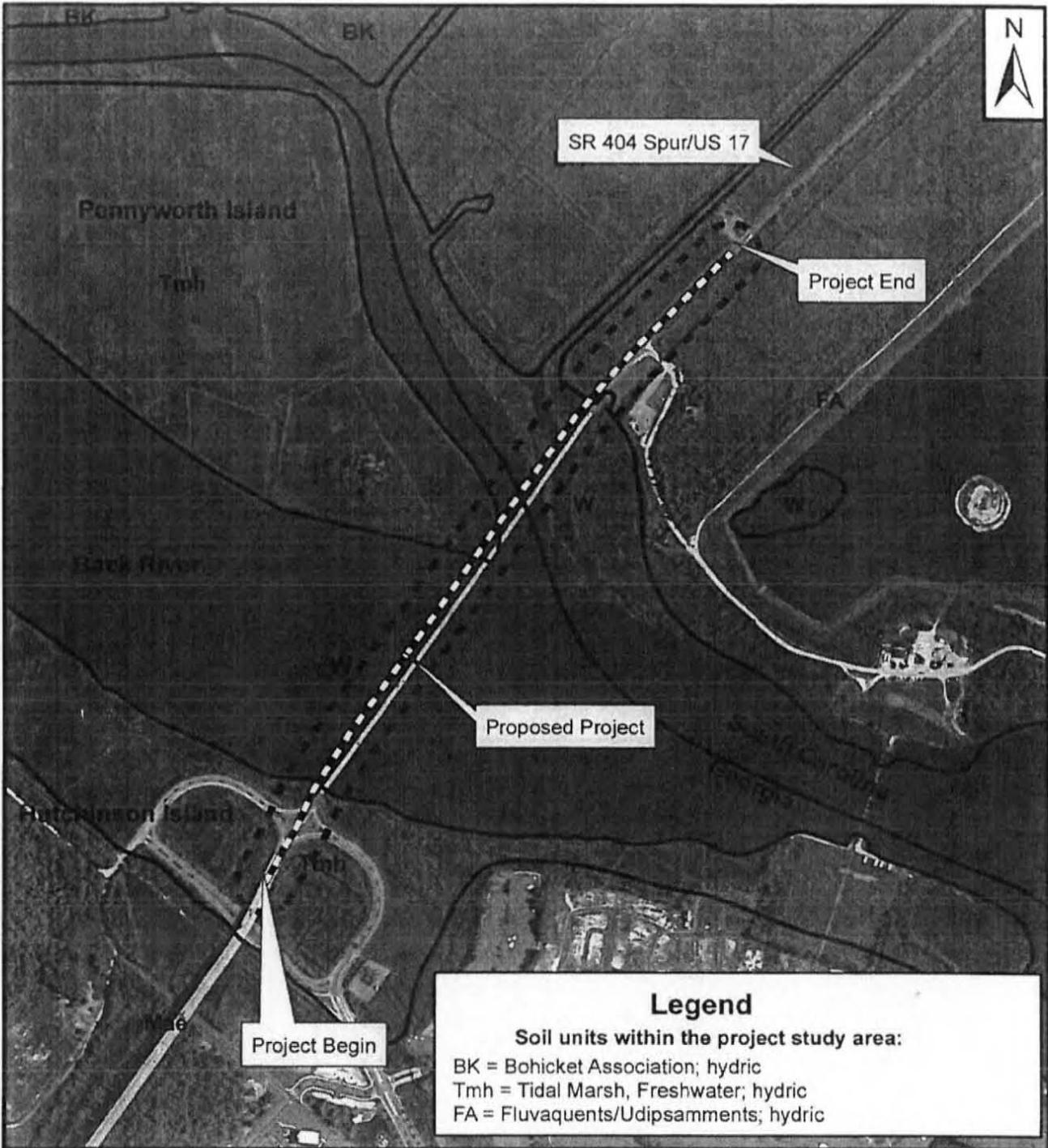
**Charleston District, US Army Corps of Engineers,
69A Hagood Avenue
Charleston, South Carolina 29403-5107**

If there are any questions concerning this public notice, please contact Elizabeth Williams at 843-329-8044 or toll free at 1-866-329-8187.



E US 17 Bridge Over Back River ver
 SAC 2011-01156-DIJ
 Sheet 1 of 16 Januray 5, 2011

Source: USDA-NRCS (2010) National Agricultural Imagery Program



Legend

Soil units within the project study area:

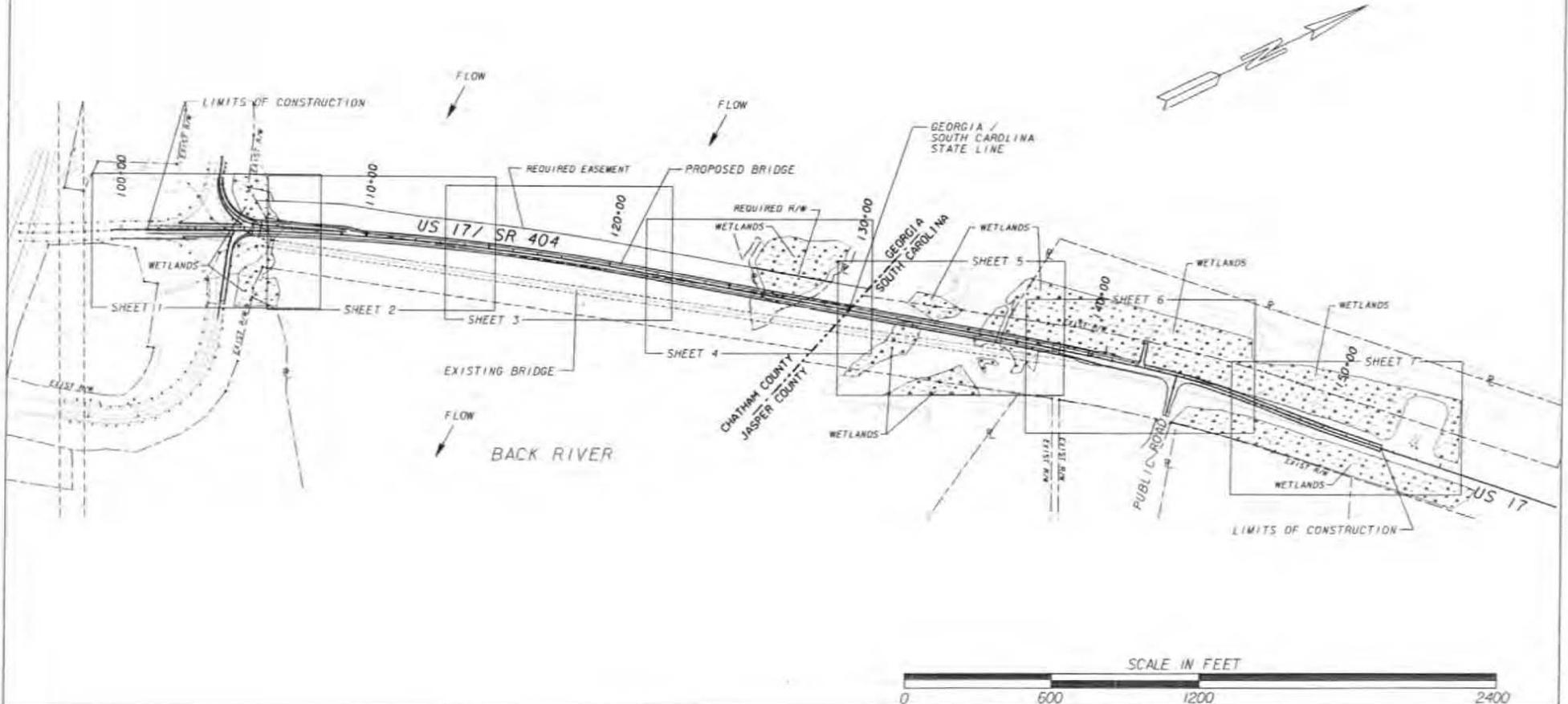
- BK = Bohicket Association; hydric
- Tmh = Tidal Marsh, Freshwater; hydric
- FA = Fluvaquents/Udipsamments; hydric



US 17 Bridge Over Back River
 SAC 2011-01156-DIJ
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Source: USDA-NRCS (2010) National Agricultural Imagery Program

GEORGIA IMPACTS	
FILL (PERMANENT)	0.40 ACRES
CLEAR (TEMPORARY)	0.08 ACRES
SOUTH CAROLINA IMPACTS	
FILL (PERMANENT)	1.25 ACRES
CLEAR (TEMPORARY)	0.20 ACRES
TOTAL WETLAND IMPACTS	1.93 ACRES



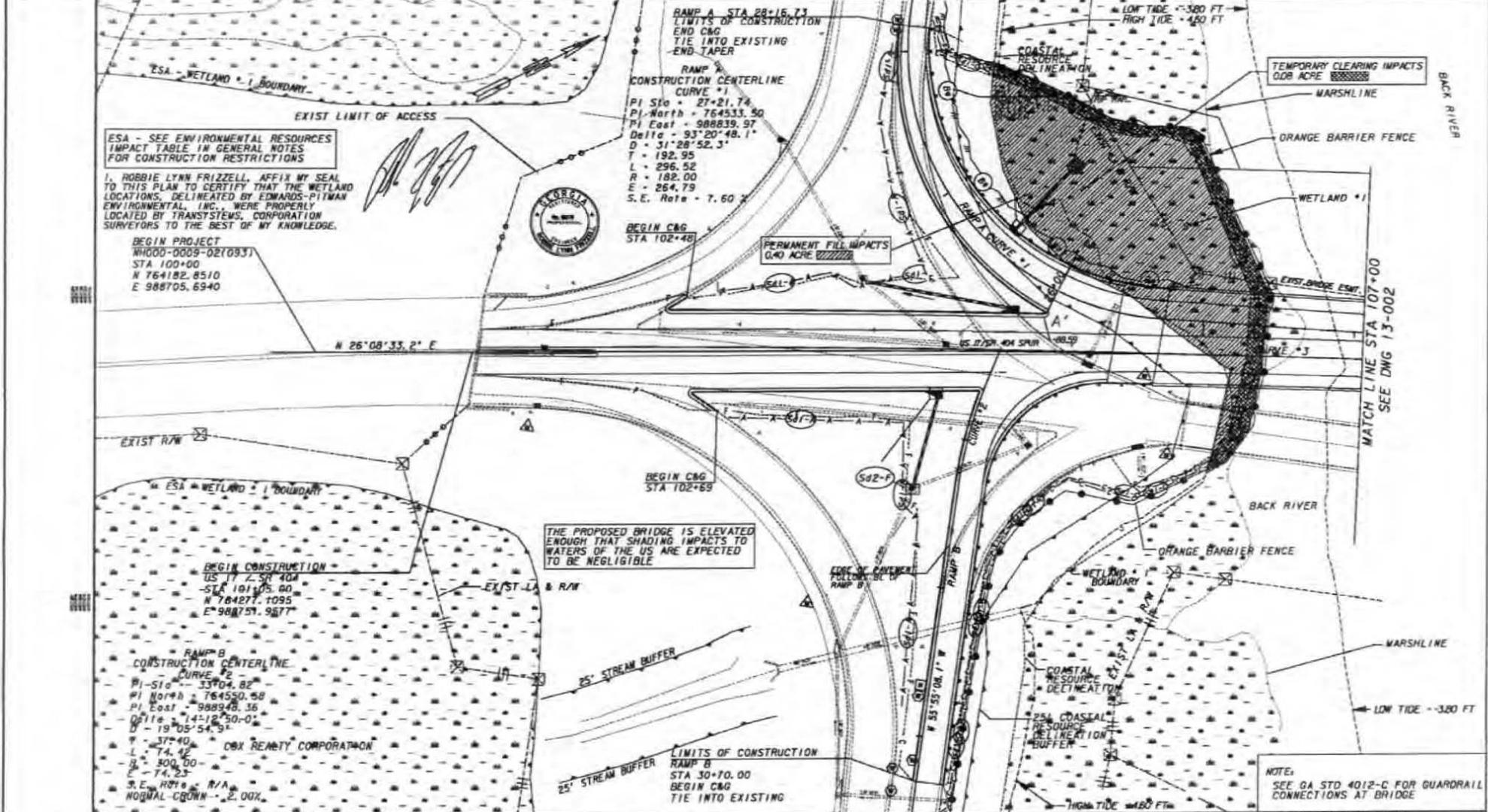
LEGEND

- WETLANDS
- PROPERTY LINE

US 17 Bridge Over Back River
SAC 2011-01156-DIJ
 Sheet 3 of 16 Januray 5, 2011

NOTE: CRITICAL AREA BOUNDARIES WERE
 DELINEATED BY EDWARDS-PITMAN
 ENVIRONMENTAL, INC. AND SURVEYED
 BY TRANSYSTEMS, INC.

 THIS DELINEATION WAS APPROVED
 BY SCDHEC-OCRM ON 10-12-11 BY
 K LAMAKER



ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

I, ROBBIE LYNN FRIZZELL, AFFIX MY SEAL TO THIS PLAN TO CERTIFY THAT THE WETLAND LOCATIONS, DELINEATED BY EDWARDS-PITMAN ENVIRONMENTAL, INC. WERE PROPERLY LOCATED BY TRANSYSTEMS, CORPORATION SURVEYORS TO THE BEST OF MY KNOWLEDGE.

BEGIN PROJECT
W1000-0009-02(033)
STA 100+00
N 764182.8510
E 988705.6940

BEGIN C&G
STA 102+48

BEGIN C&G
STA 102+69

BEGIN CONSTRUCTION
US 17 2.54' 404
STA 101+05.00
N 764277.1095
E 988751.9577

RAMP B
CONSTRUCTION CENTERLINE
CURVE #2
PI - STA - 33704.82
PI North - 764550.68
PI East - 988948.36
Delta - 74-12-50.0"
D - 19-05-54.9"
T - 37.40
L - 74.42
R - 800.00
E - 74.23
S.E. Rate - R/A
NORMAL CROWN - 2.00%

RAMP A STA 28+16.73
LIMITS OF CONSTRUCTION
END C&G
TIE INTO EXISTING
END TAPER
RAMP
CONSTRUCTION CENTERLINE
CURVE #1
PI Sta - 27+21.74
PI North - 764533.50
PI East - 988839.97
Delta - 93-20-48.1"
D - 31-28-52.3"
T - 192.95
L - 296.52
R - 182.00
E - 264.79
S.E. Rate - 7.60

THE PROPOSED BRIDGE IS ELEVATED ENOUGH THAT SHADING IMPACTS TO WATERS OF THE US ARE EXPECTED TO BE NEGLIGIBLE

NOTE:
SEE GA STD 4012-C FOR GUARDRAIL CONNECTIONS AT BRIDGE

WETLANDS	
PERMANENT WETLAND IMPACTS	
TEMPORARY WETLAND IMPACTS	

RESOURCE	IMPACT TYPE	IMPACT ACREAGE
WETLAND I	CLEARING	0.08 ACRE
WETLAND I	FILL	0.40 ACRE

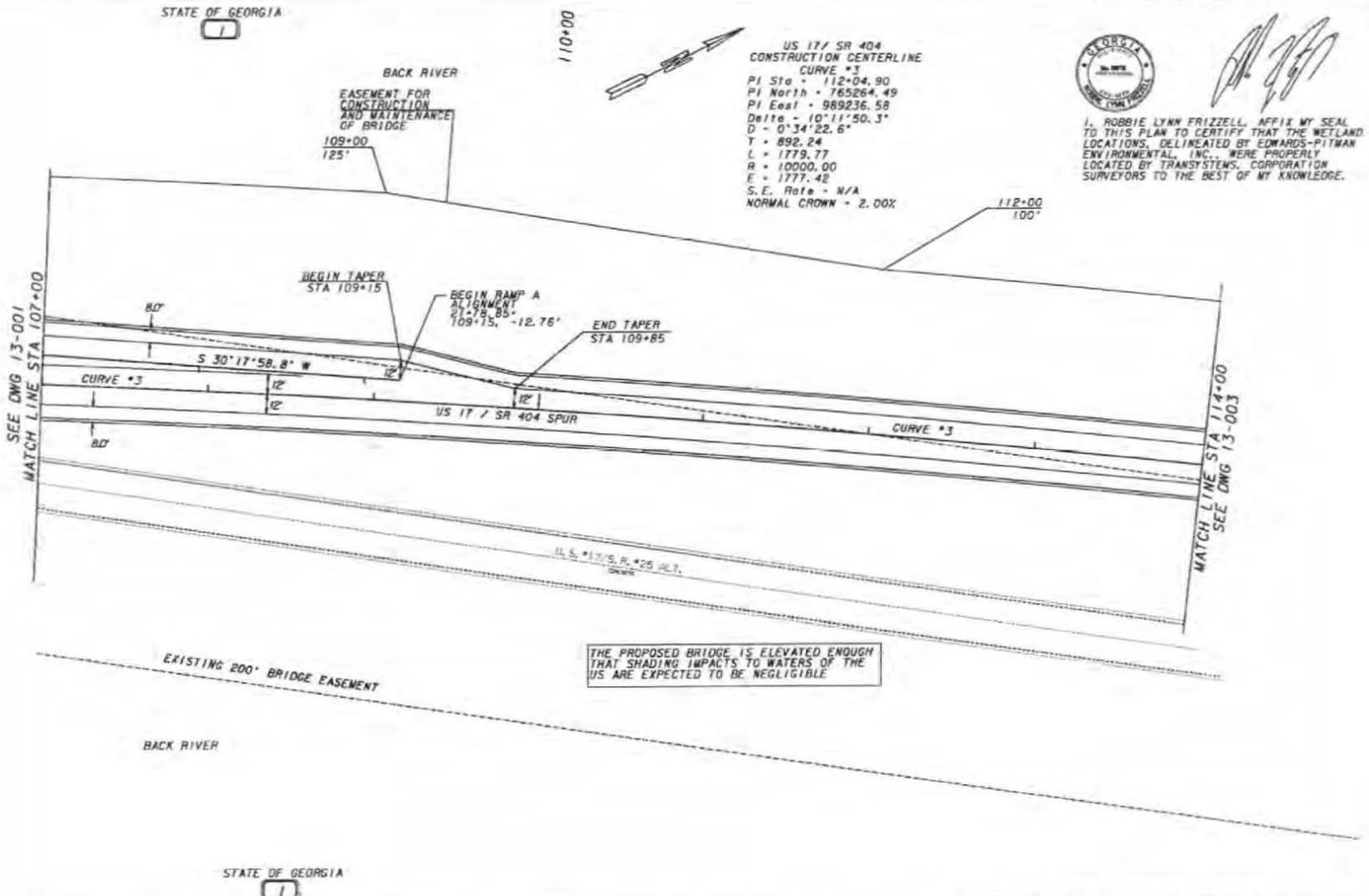
GEORGIA
DEPARTMENT OF
TRANSPORTATION



REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN
MAINLINE PLAN
US 17 BACK RIVER BRIDGE

13-001



US 17 / SR 404
 CONSTRUCTION CENTERLINE
 CURVE #3
 PI Sta = 112+04.90
 PI North = 765264.49
 PI East = 989236.58
 Delta = 10°11'50.3"
 D = 0°34'22.6"
 T = 892.24
 L = 1779.77
 R = 10000.00
 E = 1777.42
 S.E. Rate = N/A
 NORMAL CROWN = 2.00%



L. Frizzell

I, ROBBIE LYNN FRIZZELL, AFFIX MY SEAL TO THIS PLAN TO CERTIFY THAT THE WETLAND LOCATIONS, DELINEATED BY EDWARDS-PITMAN ENVIRONMENTAL, INC., WERE PROPERLY LOCATED BY TRANSTSTENS, CORPORATION SURVEYORS TO THE BEST OF MY KNOWLEDGE.

SEE DWG 13-001
 MATCH LINE STA 107+00

MATCH LINE STA 114+00
 SEE DWG 13-003

STATE OF GEORGIA
 1

WETLANDS	RESOURCE #	IMPACT TYPE	IMPACT ACREAGE
PERMANENT WETLAND IMPACTS			
TEMPORARY WETLAND IMPACTS			



REVISION DATES

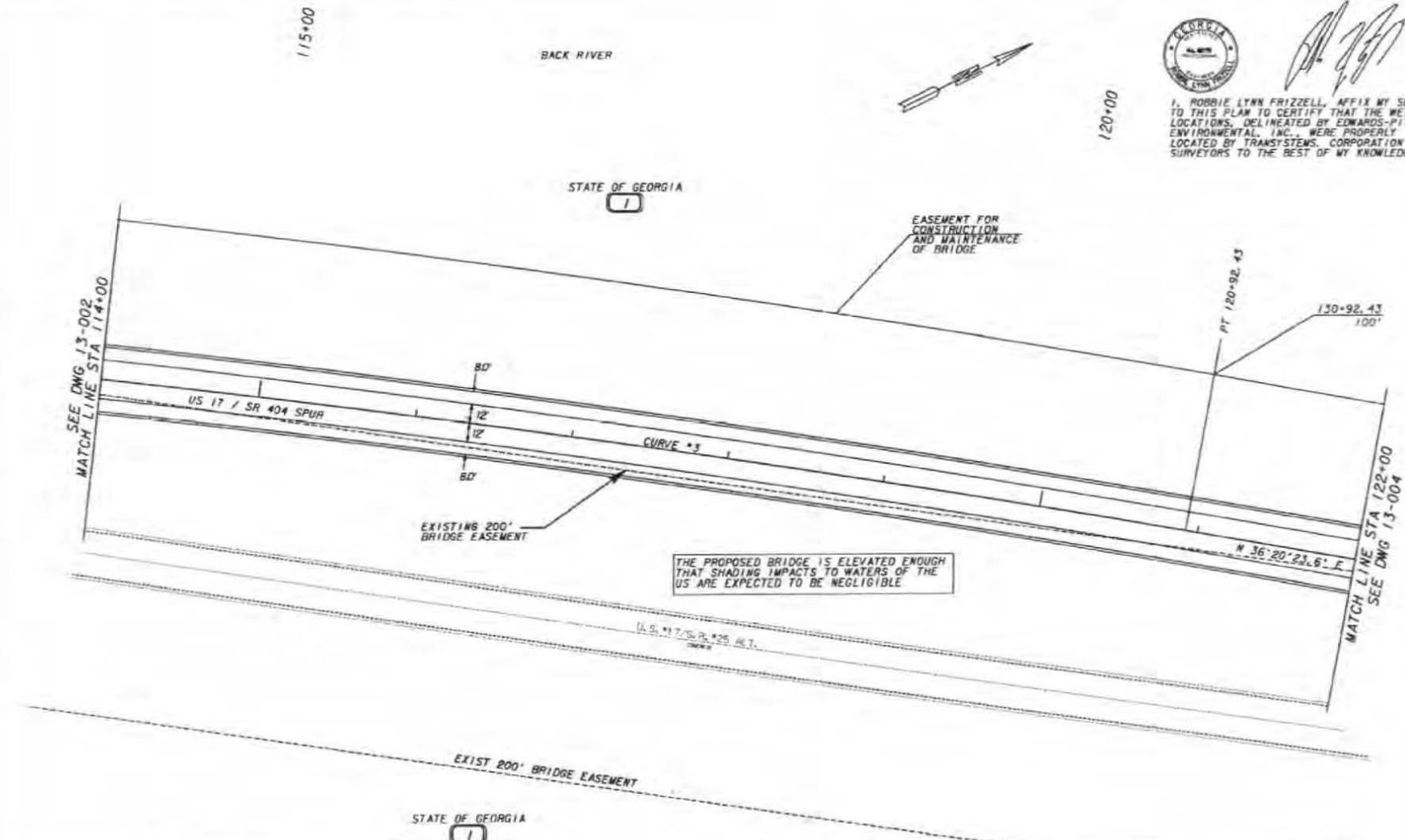
STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: ROADWAY DESIGN
 MAINLINE PLAN
 US 17 BACK RIVER BRIDGE

US 17 Bridge Over Back River
 SAC 2011-01156-DIJ
 Sheet 5 of 16 Januray 5, 2011

\\drawing\521925\env\10-02.dgn 12/7/2011 10:49:51 AM



I, ROBBIE LYNN FRIZZELL, AFFIX MY SEAL TO THIS PLAN TO CERTIFY THAT THE WETLAND LOCATIONS, DELINEATED BY EDWARDS-PITMAN ENVIRONMENTAL, INC., WERE PROPERLY LOCATED BY TRANSYSTEMS, CORPORATION SURVEYORS TO THE BEST OF MY KNOWLEDGE.



THE PROPOSED BRIDGE IS ELEVATED ENOUGH THAT SHADING IMPACTS TO WATERS OF THE US ARE EXPECTED TO BE NEGLIGIBLE

WETLANDS	
PERMANENT WETLAND IMPACTS	
TEMPORARY WETLAND IMPACTS	

RESOURCE *	IMPACT TYPE	IMPACT ACREAGE

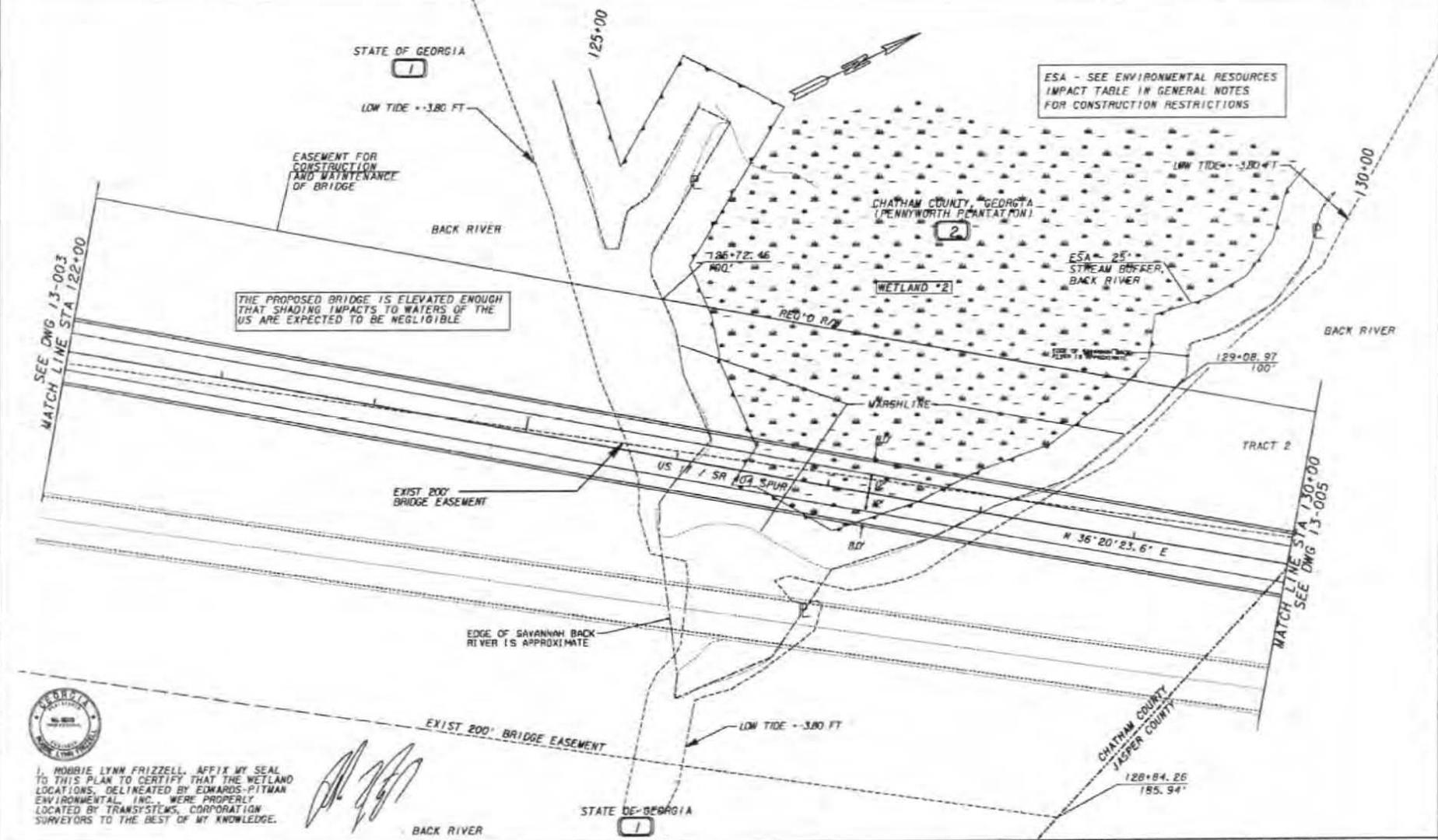


REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN
MAINLINE PLAN
US 17 BACK RIVER BRIDGE

US 17 Bridge Over Back River
SAC 2011-01156-DIJ
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13-003

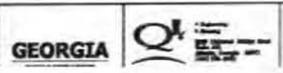


I, ROBBIE LYNN FRIZZELL, AFFIX MY SEAL TO THIS PLAN TO CERTIFY THAT THE WETLAND LOCATIONS, DELINEATED BY EDWARDS-PITMAN ENVIRONMENTAL, INC., WERE PROPERLY LOCATED BY TRANSYSTEMS, CORPORATION SURVEYORS TO THE BEST OF MY KNOWLEDGE.

[Signature]

WETLANDS	
PERMANENT WETLAND IMPACTS	
TEMPORARY WETLAND IMPACTS	

RESOURCE *	IMPACT TYPE	IMPACT INCREASE
WETLAND 2	NO IMPACTS	NO IMPACTS

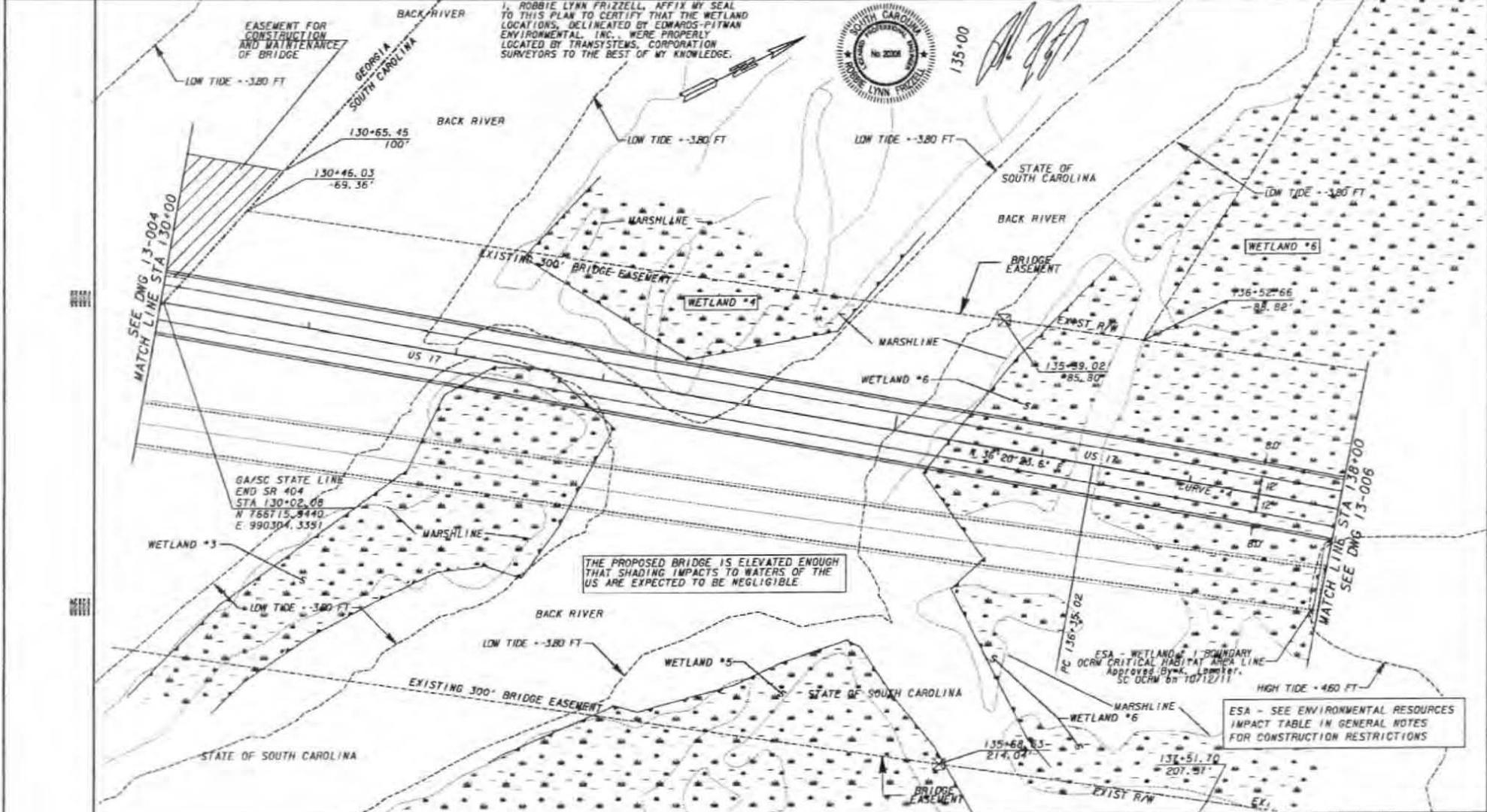


REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN
MAINLINE PLAN
US 17 BACK RIVER BRIDGE

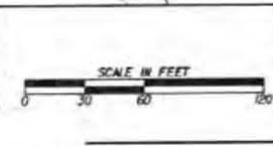
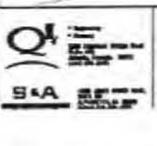
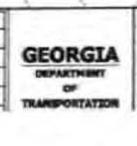
13-004

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WETLANDS	
PERMANENT WETLAND IMPACTS	
TEMPORARY WETLAND IMPACTS	

RESOURCE #	IMPACT TYPE	IMPACT ACREAGE
WETLAND 3	NO IMPACTS	NO IMPACTS
WETLAND 4	NO IMPACTS	NO IMPACTS
WETLAND 5	NO IMPACTS	NO IMPACTS
WETLAND 6	NO IMPACTS	NO IMPACTS



REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN
MAINLINE PLAN
US 17 BACK RIVER BRIDGE

13-005

NOTES:
SEE GA STD 402.0 FOR GUARDRAIL CONNECTIONS AT BRIDGE

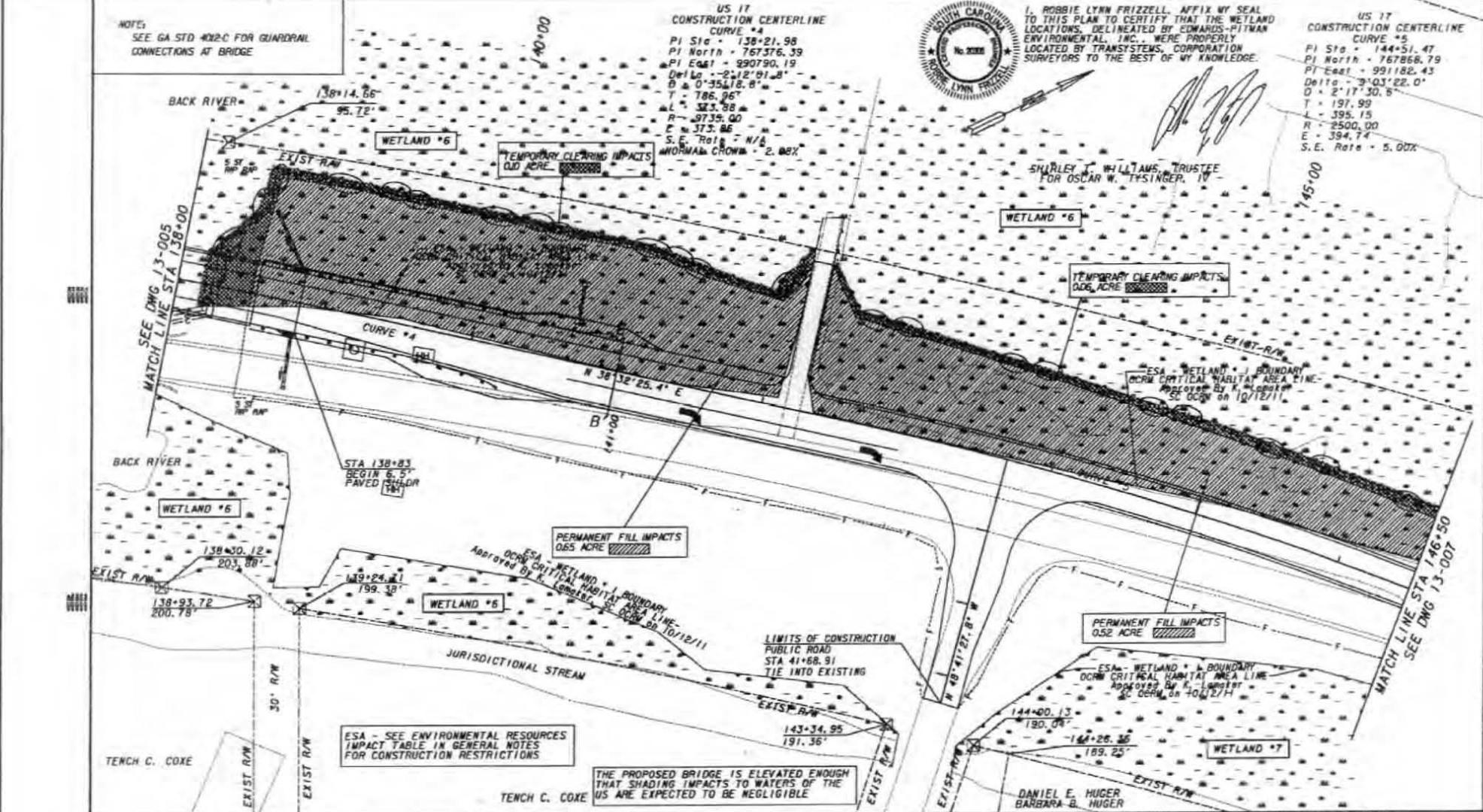
US 17
CONSTRUCTION CENTERLINE
CURVE #4
PI Sta = 138+21.98
PI North = 767376.39
PI East = 990790.19
Delta = 2°12'01.8"
B = 0°35'18.8"
T = 786.96'
L = 323.88'
R = 9735.00'
E = 373.86'
S.E. Rate = N/A
NORMAL CROWN = 2.08%



I, ROBBIE LYNN FRIZZELL, AFFIX MY SEAL TO THIS PLAN TO CERTIFY THAT THE WETLAND LOCATIONS, DELINEATED BY EDWARDS-PIETMAN ENVIRONMENTAL, INC., WERE PROPERLY LOCATED BY TRANSTYSTEMS, CORPORATION SURVEYORS TO THE BEST OF MY KNOWLEDGE.

US 17
CONSTRUCTION CENTERLINE
CURVE #5
PI Sta = 144+51.47
PI North = 767868.79
PI East = 991182.43
Delta = 3°03'22.0"
D = 2°17'30.5"
T = 197.99'
L = 395.15'
R = 2500.00'
E = 394.74'
S.E. Rate = 5.00%

[Signature]
SHIRLEY J. WILLIAMS, TRUSTEE
FOR OSCAR W. TYSINGER, IV

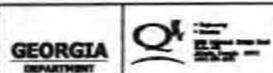


ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

THE PROPOSED BRIDGE IS ELEVATED ENOUGH THAT SHADING IMPACTS TO WATERS OF THE US ARE EXPECTED TO BE NEGLIGIBLE

WETLANDS	
PERMANENT WETLAND IMPACTS	
TEMPORARY WETLAND IMPACTS	

RESOURCE	IMPACT TYPE	IMPACT ACREAGE
WETLAND #6	CLEARING	0.06 ACRE
WETLAND #6	FILL	1.07 ACRES



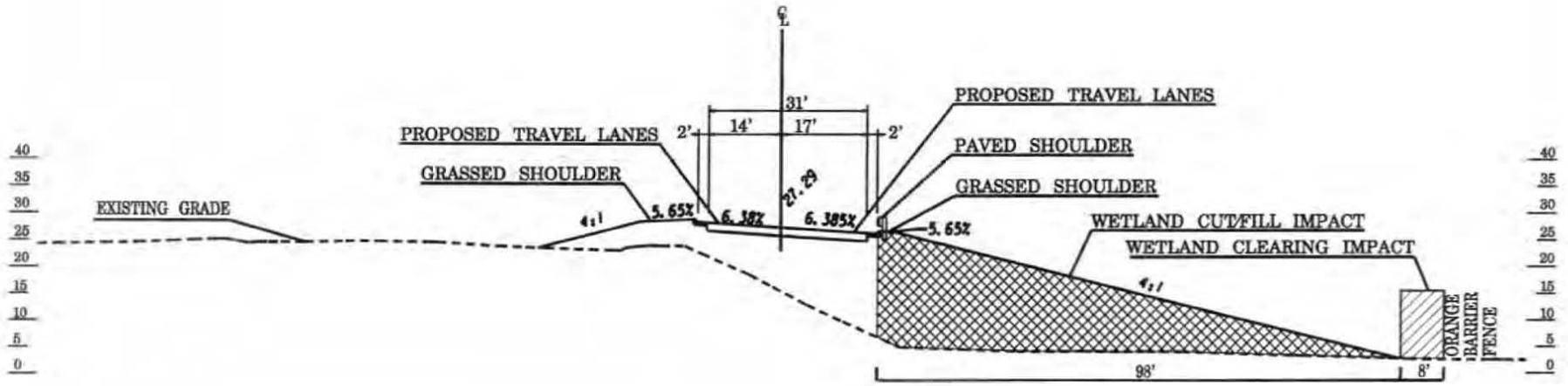
REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN
MAINLINE PLAN
US 17 BACK RIVER BRIDGE

13-006

Drawings: 022920am 10-06.dgn 12/10/11 10:57:28 AM

BACK RIVER
SECTION A-A'
RAMP A GA
STA 26+00.00

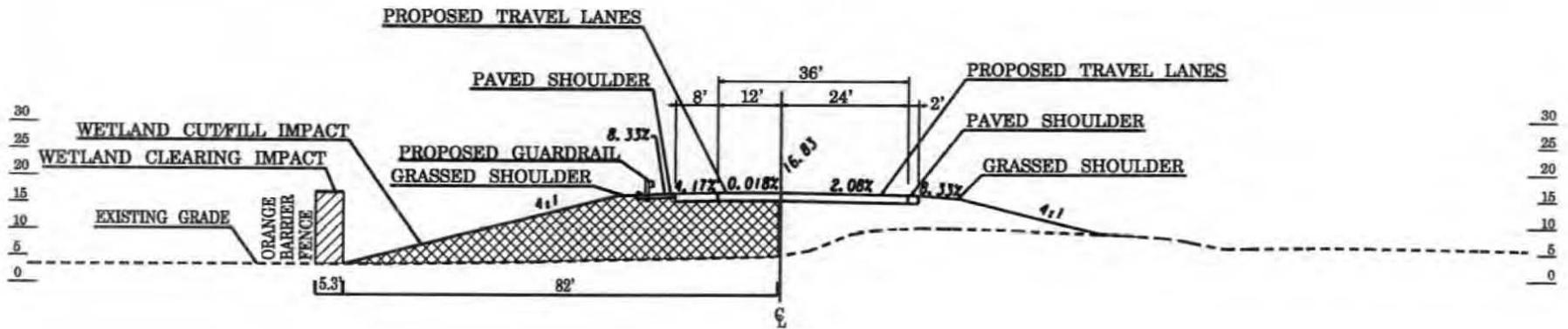


US 17 Bridge Over Back River
SAC 2011-01156-DIJ
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BACK RIVER CROSS SECTION

BACK RIVER
SECTION B-B'
MAINLINE S.C.
STA 141+00.00

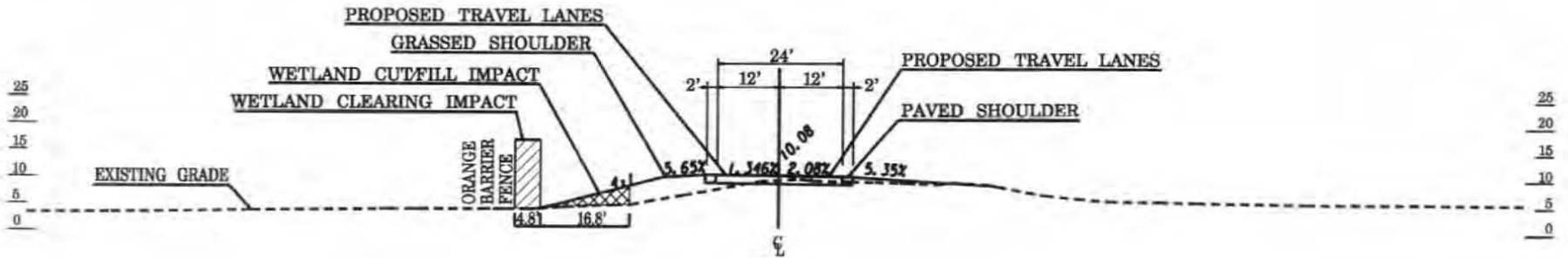


US 17 Bridge Over Back River
SAC 2011-01156-DIJ
Sheet 12 of 16 Januray 5, 2011



BACK RIVER CROSS SECTION

BACK RIVER
SECTION C-C'
MAINLINE S.C.
STA 147+50.00

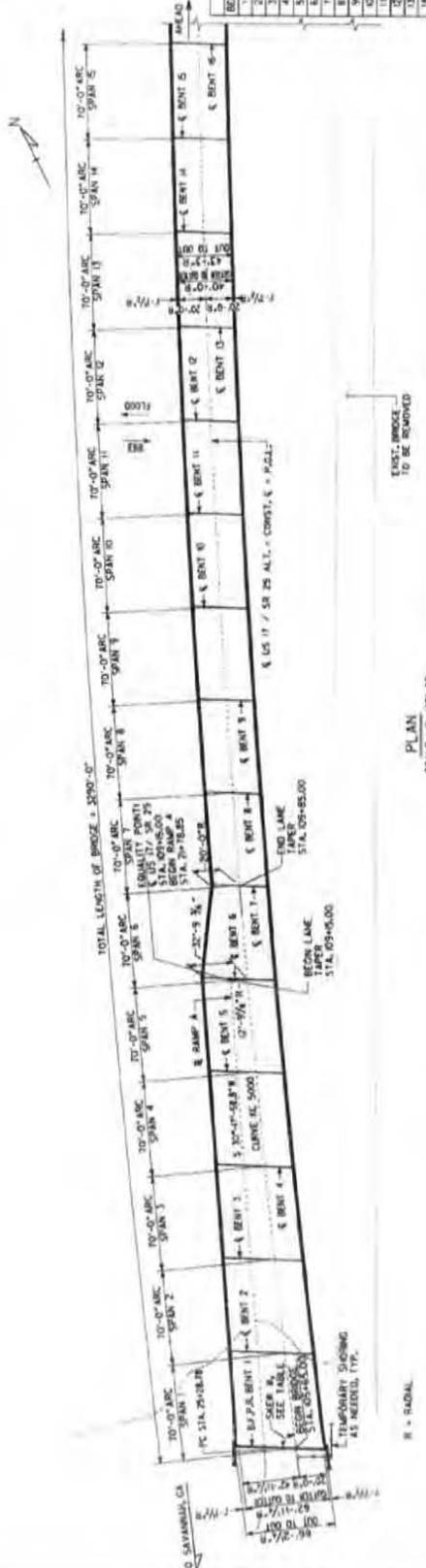


US 17 Bridge Over Back River
SAC 2011-01156-DIJ
Sheet 13 of 16 Januray 5, 2011

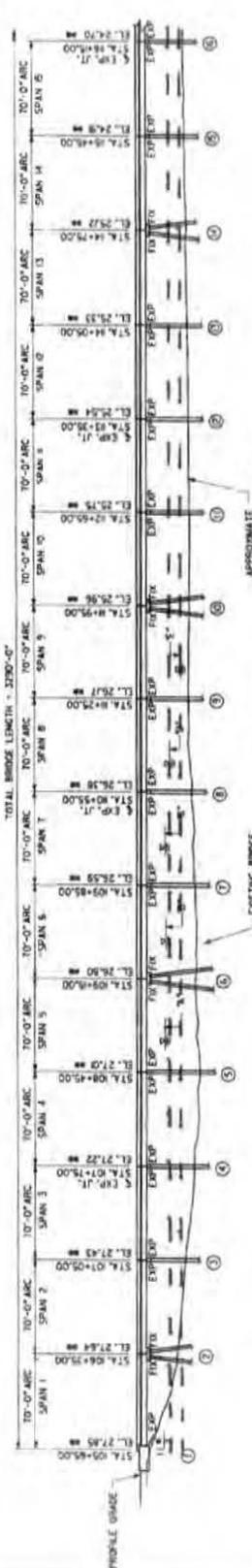


BACK RIVER CROSS SECTION

DATE: 01/05/11
 DRAWN BY: M. J. ...
 CHECKED BY: ...
 PROJECT NO.: NH000-0009-02(1093)



BENT	A, TOC	BENT	A, TOC
1	81'-00"-00.00	7	83'-00"-00.00
2	81'-00"-00.00	8	83'-00"-00.00
3	81'-00"-00.00	9	83'-00"-00.00
4	81'-00"-00.00	10	83'-00"-00.00
5	81'-00"-00.00	11	83'-00"-00.00
6	81'-00"-00.00	12	83'-00"-00.00
7	81'-00"-00.00	13	83'-00"-00.00
8	81'-00"-00.00	14	83'-00"-00.00
9	81'-00"-00.00		
10	81'-00"-00.00		
11	81'-00"-00.00		
12	81'-00"-00.00		
13	81'-00"-00.00		
14	81'-00"-00.00		



2'-0" - 25' IN STORM SURGE ELEV. (MAX.) - 8.62'

3'-0" - 25' IN STORM SURGE ELEV. (R MAX DISCHARGE) - 7.70'

4'-0" - 25' IN STORM SURGE ELEV. (R MAX DISCHARGE) - 8.44'

5'-0" - SPRING LOW TIDE = 4.5'

6'-0" - SPRING LOW TIDE = 3.8'

NOTES

- END BENT PILES NOT SHOWN.
- SLOPE NORMAL TO END BENTS.
- WE STATIONS AND ELEVATIONS ARE TO THE CENTERLINE OF THE BRIDGE AT THE INTERSECTION OF LONG I.C. AND B.P.P.R. OR S. BENT.
- ALL BENTS ARE PARALLEL TO BENT 23.

BRIDGE NO. 1

EXISTING BRIDGE SERIAL NO. 051-0009-0

EXISTING BRIDGE TD NO. 051-00040P-002.50N

P.I. NO. 522200

DEPARTMENT OF TRANSPORTATION
 ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

PLAN AND ELEVATION (1 OF 3)

US 17 OVER BACK RIVER

CHATHAM COUNTY NH000-0009-02(1093)

SCALE: AS SHOWN

DRAWING NO. 35-0

BRIDGE SHEET 1 OF 43

DATE: JANUARY 2011

DESIGNED BY: M. J. ...

CHECKED BY: ...

APPROVED BY: ...

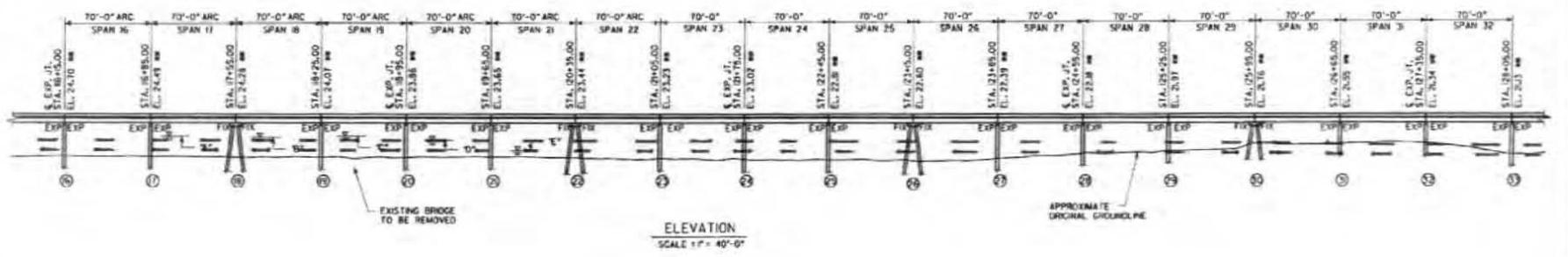
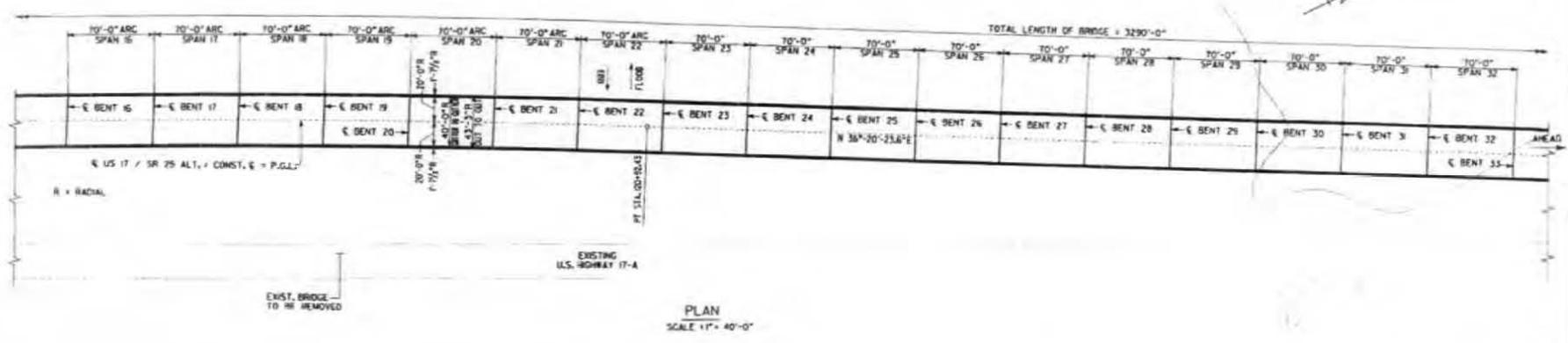
US 17 Bridge Over Back River

SAC 2011-01156-DIJ

Sheet 14 of 16

Januray 5, 2011

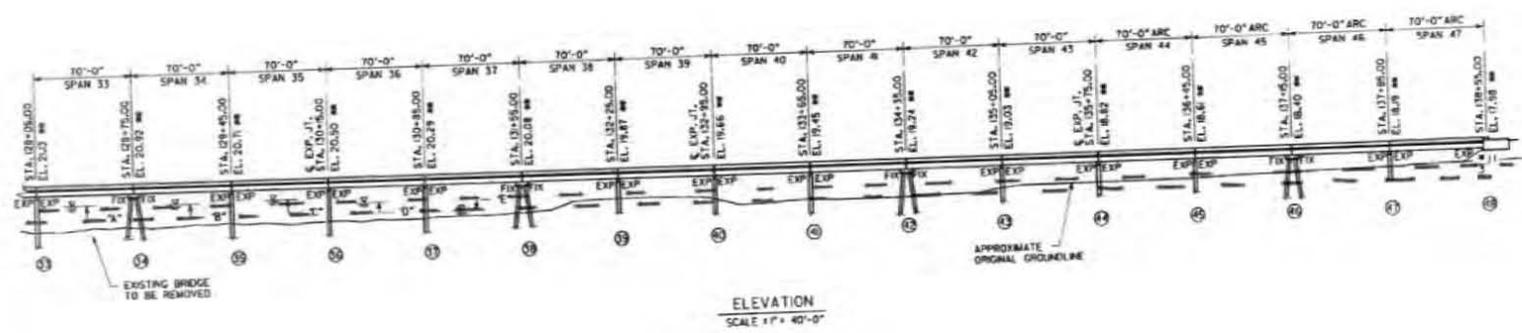
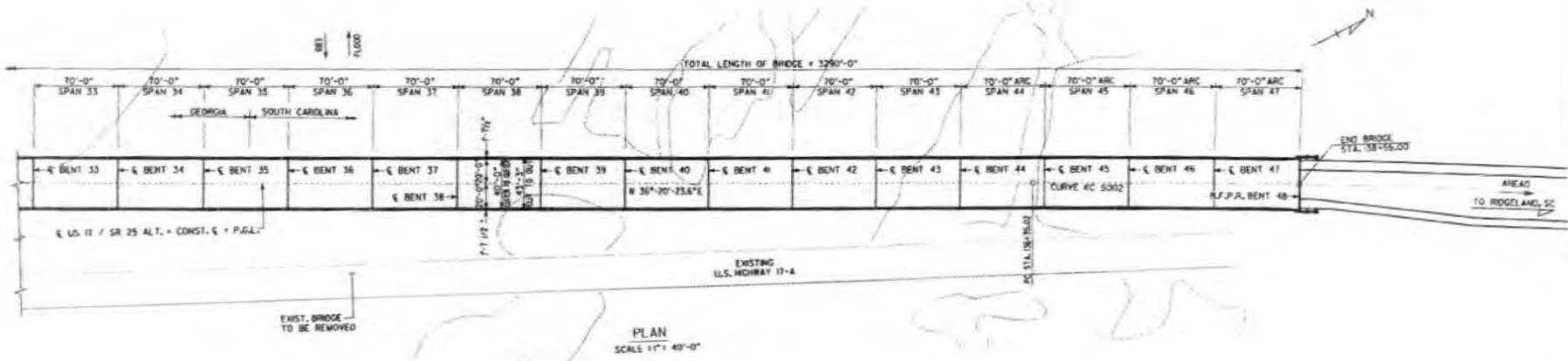
DATE	PROJECT NAME	NO.	TYPE
G.A.	MDDO-0009-0210931		



US 17 Bridge Over Back River
SAC 2011-01156-DIJ
Sheet 15 of 16 January 5, 2011

BRIDGE NO. 1	
GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES	
PLAN AND ELEVATION (2 OF 3) US 17 OVER BACK RIVER CHATHAM COUNTY NH000-0009-0210931	
SCALE AS SHOWN JANUARY 2011	
DESIGNED BY PS	CHECKED BY AS
DRAWN BY S	APPROVED BY PS

DATE	TITLE	SCALE	SHEET NO.	TOTAL SHEETS
GA.	NH000-0009-021093			



US 17 Bridge Over Back River
SAC 2011-01156-DIJ
Sheet 16 of 16 Januray 5, 2011

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

PLAN AND ELEVATION (3 OF 3)
US 17 OVER BACK RIVER
CHATHAM COUNTY NH000-0009-021093

SCALE: AS SHOWN JANUARY 2011

DATE	BY	CHECKED	APPROVED

VEN PRINTED FULL SIZE

REVISED JANUARY 05, 08 PLOT DATE: 20 JUN 08 PLOT TIME: 08:52:08

31-2014-05 11 OVER BACK RIVER-CHATHAM CO-021093