

JOINT
PUBLIC NOTICE

CHARLESTON DISTRICT, CORPS OF ENGINEERS
69A Hagood Avenue
Charleston, South Carolina 29403-5107
and
THE S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Office of Environmental Quality Control
Water Quality Certification and Wetlands Programs Section
2600 Bull Street
Columbia, South Carolina 29201

REGULATORY DIVISION
Refer to: P/N # SAC 2014-00435-DIJ

July 17, 2014

Pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Sections 401 and 404 of the Clean Water Act (33 U.S.C. 1341), an application has been submitted to the Department of the Army and the South Carolina Department of Health and Environmental Control by

South Carolina Department of Transportation
Post Office Box 191
Columbia South Carolina 29202-0191

for a permit to place fill in wetlands adjacent to

Lake Marion

at a location near the intersection of US 301 and Interstate 95 and within a corridor approximately 200 feet wide, continuing east to SC 6, just south and west of the existing Naval Station Road, as depicted on the proposed permit plans (attached). (Latitude 33.462574, Longitude -80.478358 to Latitude 33.469973, Longitude -80.451821).

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 **Corps** until

15 DAYS FROM THE DATE OF THIS NOTICE

And **SCDHEC** will receive written statements regarding the proposed work 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.

Project Description:

The proposed work consists of improvements to the existing Interstate 95 (I-95) /U.S. Highway 301 (US 301) interchange and construction a connector road from the US 301/I-95 interchange to S.C. Route 6 (SC 6), just south-southeast of the Town of Santee in Orangeburg County. Specifically, the work involves modifying the I-95/US 301 interchange from a partial access interchange to a full access interchange. The proposed project would include a bridge over I-95 and the construction of a new location roadway to connect existing US 301 to SC 6 near Naval Station Road. The US 301/SC 6 Connector Road would be constructed as a five- lane section from I-95 to just west of a CSX railroad crossing then taper down to a three- lane section from the railroad crossing to SC 6. A grade separated bridge would be constructed over the CSX railroad. The five-lane segment would include four 12-foot travel lanes, one 15-foot center turn-lane, paved shoulders, and ditches. The three-lane segment would include two 12-foot travel lanes, one 15-foot center turn-lane, paved shoulders, and ditches.

Proposed Impacts to waters of the US:

The project would result in a total of 0.578 acre of impacts to jurisdictional waters of the U.S. including wetlands. Specifically, the applicant stated that project would result in 0.494 acre of permanent fill impact, 0.023 acre of permanent riprap fill impact, 0.019 acre of permanent cut impact, and 0.042 acre of temporary clearing impact to wetland C/E.

Purpose: According to the applicant, the proposed interchange/new roadway project would serve to accommodate increased traffic that will eventually be generated by the Jafza facility while secondarily improving the efficiency of intermodal freight movement in South Carolina by providing relief for the rapidly increasing Port of Charleston congestion which is being generated by recent and ongoing expansion activities at the Port of Charleston's facilities. In addition, the proposed project would provide a connection of US 301 to SC 6, allowing for additional access to I-95 and completion of the existing interchange with the construction of a fourth leg.

Avoidance and Minimization:

The applicant stated that efforts to avoid and/or minimize impacts to jurisdictional waters of the U.S. include the following:

- Roadway approach fill slopes are designed at 2:1 along the proposed Connector Road to minimize impacts to Wetland C/E. In addition, deep-post guardrail is proposed along the roadway at Wetland C/E which reduced the width necessary for shoulders and thereby reduced impacts;
- Riprap stilling basins, would be constructed to provide outlet protection for the drainage pipes within Wetland C/E. These basins require a smaller footprint than traditional riprap pads thereby reducing impacts;
- The project design associated with the preferred alternative was revised to include a shift of the US 301/SC 6 Connector Road alignment to the north and the construction of an approximate 600foot long bridge crossing over RPW Stream C/D1 thereby eliminating all jurisdictional stream impacts. The bridge will be constructed from the proposed roadway embankment utilizing equipment operating from the uplands, eliminating permanent and temporary Construction related impacts. No additional bridge construction access would be required.
- Elimination of a box culvert reconstruction and associated detour on a stream crossing at SC 6 and associated detour which avoided additional impacts.
- SCDOT will install and maintain sediment and erosion control measures, consistent with state best management practices (BMPs), prior to, during, and immediately following project construction to prevent runoff and sedimentation of jurisdictional waters.

- SCDOT will install orange barrier fencing along the boundaries of wetlands and streams located within the project right-of-way as an additional form of protection and impact avoidance.

Mitigation:

SCDOT proposes to debit 1.608 acres (3:1 ratio) of wetland mitigation from the Black River Mitigation Bank for the 0.536 acre of permanent cut and fill impacts and 0.042 acre (1:1 ratio) of wetland mitigation for the 0.042 acre of temporary mechanized clearing impacts.

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 District Engineer will not process this application to a conclusion until such certification is received. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review. Persons wishing to comment or object to Water Quality Certification must submit all comments in writing to the S.C. Department of Health and Environmental Control at the above address within thirty (30) days of the date of this notice.

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 approximately 0.58 acres upstream 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 District Engineer has consulted the most recently available information and has determined that the project will have no effect on any endangered or threatened species and will not 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.

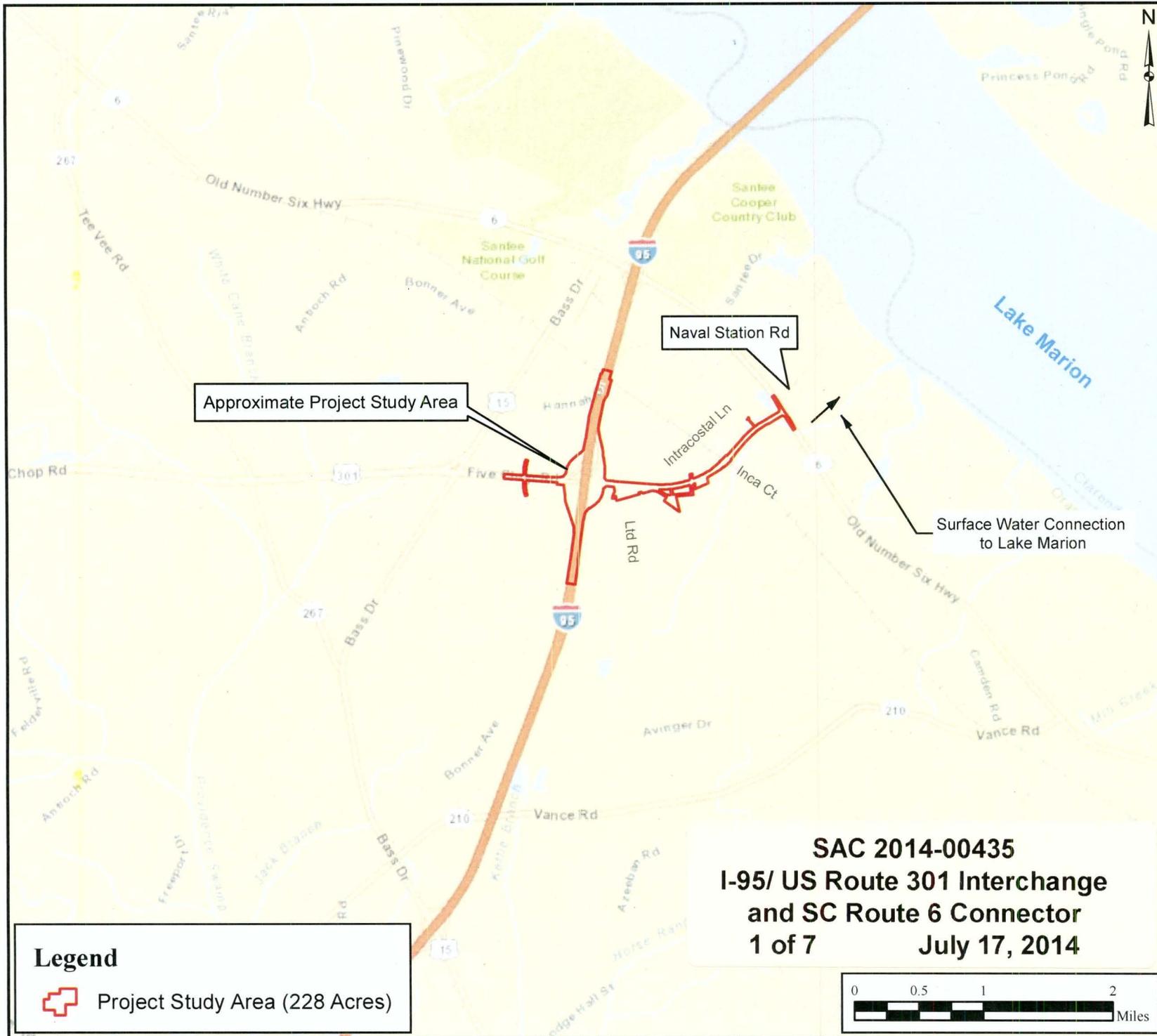
In accordance with the NHPA, the District Engineer has also consulted the latest published version of the National Register of Historic Places for the presence or absence of registered properties, or properties listed as being eligible for inclusion therein, and this worksite is not included as a registered property or property 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 State Historic Preservation Office 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 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.

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.



STV
 In cooperation with
Civil Engineering
Consulting Services, Inc.

Client:
SCDOT
 SOUTH CAROLINA DEPARTMENT
 OF TRANSPORTATION

Project:
**Interstate 95/US Route 301
 Interchange and
 SC Route 6 Connector**
 SCDOT File No. 38.036984;
 SCDOT PIN 36984 RD01
 Orangeburg County, SC

Title:
SITE LOCATION MAP
 Ref. ESRI, DeLorme, NAVTEQ,
 USGS, Intermap, iPC, NRCAN,
 METI, TomTom. (2013)



Drawn By: JLK	Checked By: WSB
Approved By: MAI	Date: Revised 04/24/2014

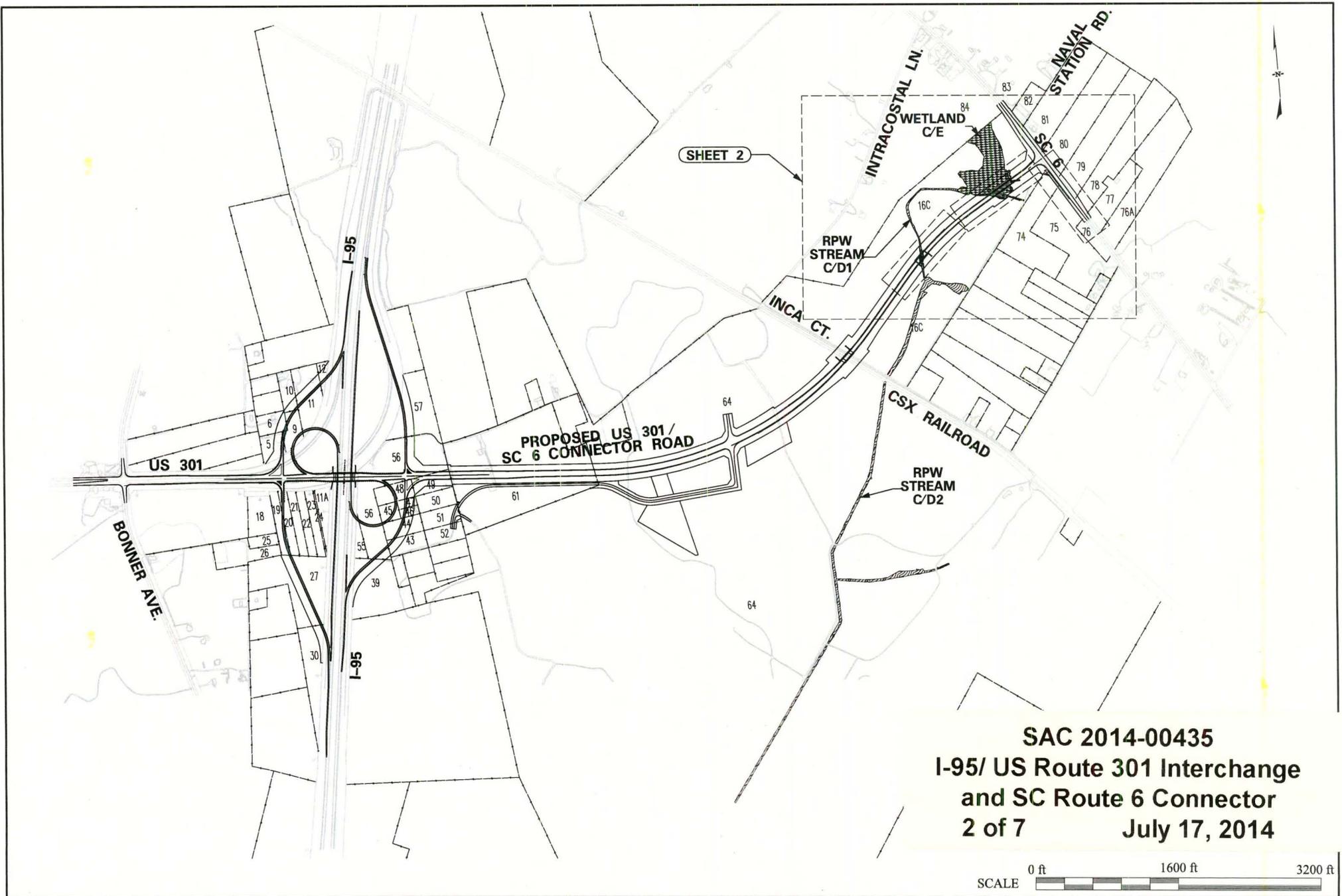
STV Project No.
2516359

Legend
 Project Study Area (228 Acres)

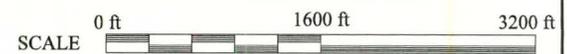
SAC 2014-00435
I-95/ US Route 301 Interchange
and SC Route 6 Connector
1 of 7 **July 17, 2014**



FIGURE 1



SAC 2014-00435
I-95/ US Route 301 Interchange
and SC Route 6 Connector
2 of 7 **July 17, 2014**



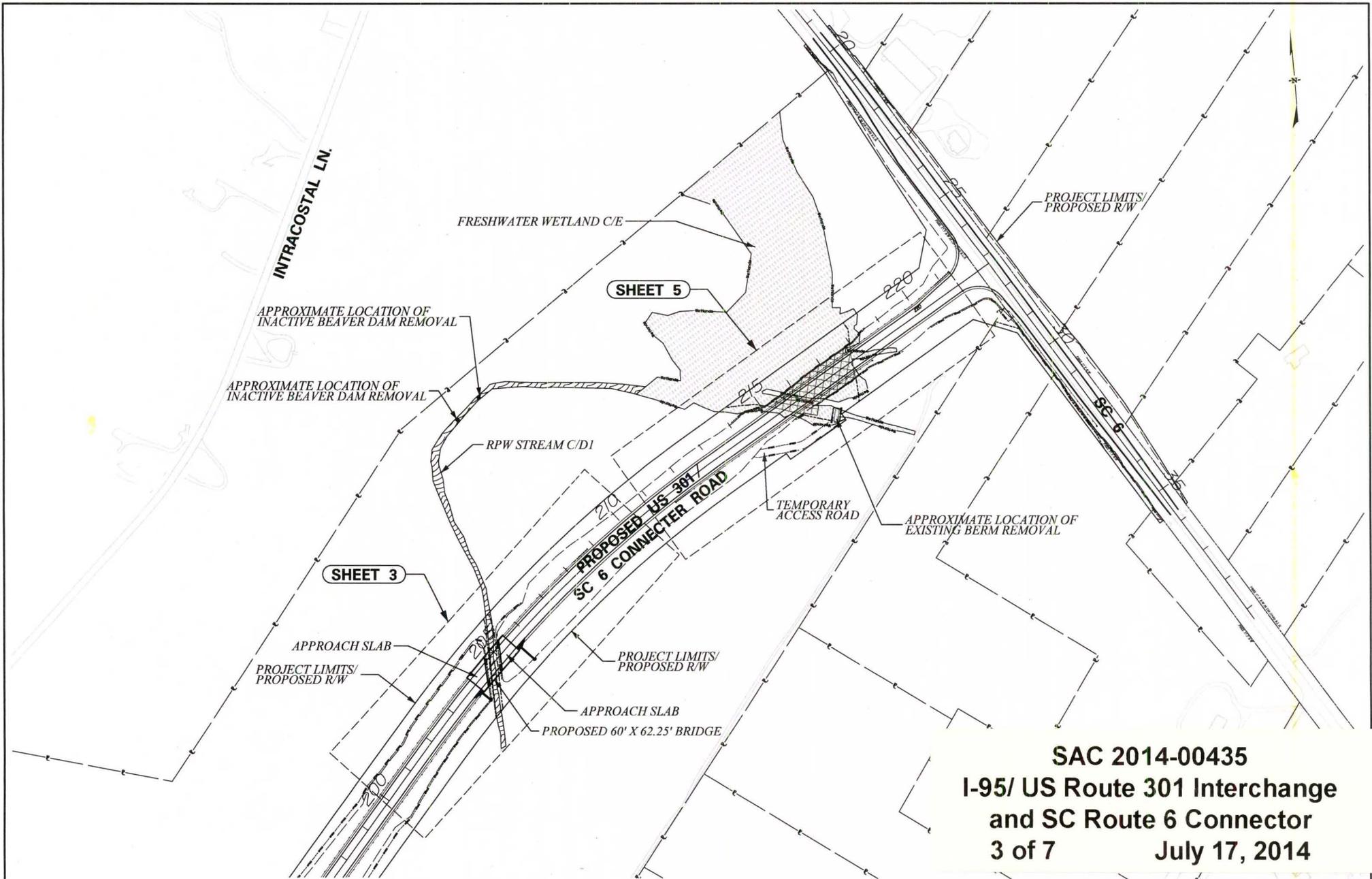
TOTAL PROJECT IMPACTS	
	WETLAND FILL IMPACT 0.494 AC
	WETLAND CUT IMPACT 0.019 AC
	WETLAND RIPRAP FILL IMPACT 0.023 AC
	TEMPORARY CLEARING IMPACT 0.042 AC

JURISDICTIONAL WETLAND BARRIER FENCE PROTECTION
PROJECT TOTAL: 1,252 LF

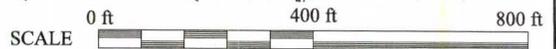
LEGEND	
FRESHWATER WETLAND	
FRESHWATER STREAM	
PROPOSED DITCH	
CONSTRUCTION LIMITS	
NPDES LIMITS	
WETLAND LIMITS	
TEMP. BARRIER FENCE	

STV Incorporated
 2430 Mall Drive, Suite 315 Building B
 Charleston, South Carolina 29406
 (843) 207-2020 fax: (843) 207-2030
 In Cooperation With
 CIVIL ENGINEERING
 CONSULTING SERVICES, INC.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
I-95 / US 301 INTERCHANGE - SC 6 CONNECTOR	
SCDOT FILE No. 38.036984 - SCDOT PIN 36984 RD01	
PROJECT OVERVIEW	
JULY 9, 2014	SHEET 1 OF 6



SAC 2014-00435
I-95/ US Route 301 Interchange
and SC Route 6 Connector
3 of 7 **July 17, 2014**



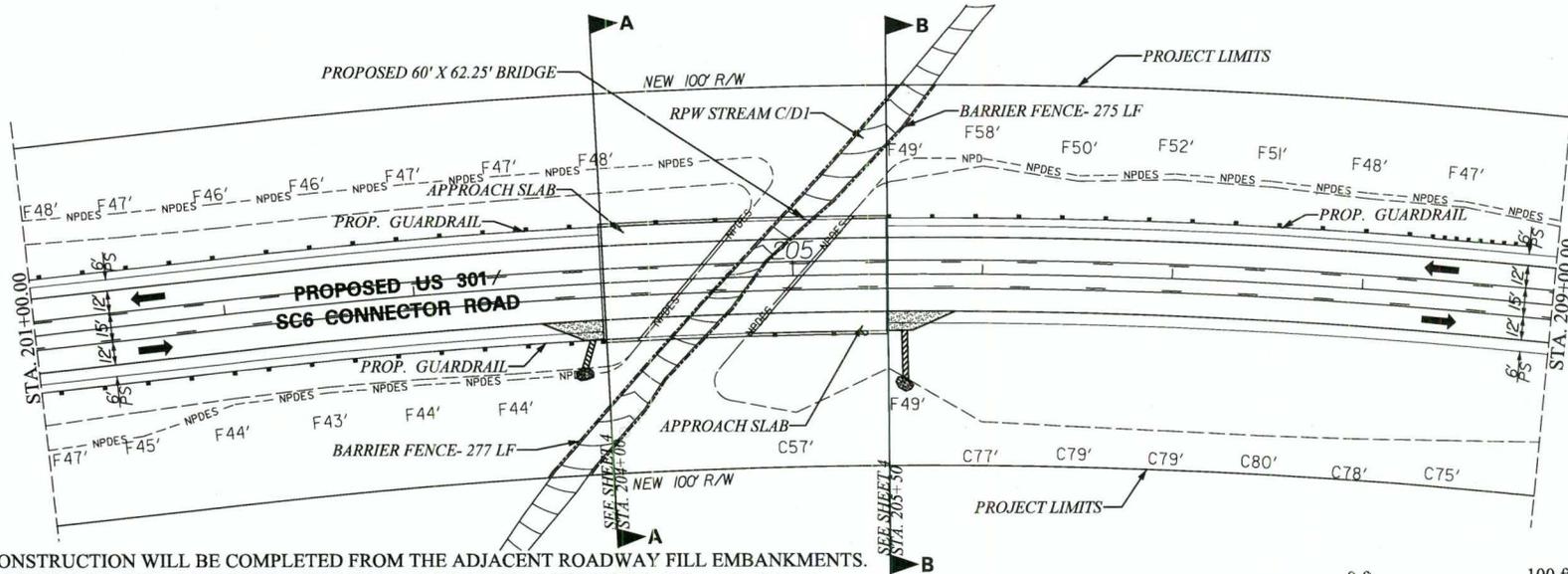
IMPACTS THIS SHEET	
	WETLAND FILL IMPACT 0.494 AC
	WETLAND CUT IMPACT 0.019 AC
	WETLAND RIPRAP FILL IMPACT 0.023 AC
	TEMPORARY CLEARING IMPACT 0.042 AC

JURISDICTIONAL WETLAND BARRIER FENCE PROTECTION
SHEET TOTAL: 1,252 LF

LEGEND	
FRESHWATER WETLAND	
FRESHWATER STREAM	
PROPOSED DITCH	
CONSTRUCTION LIMITS	
NPDES LIMITS	
WETLAND LIMITS	
TEMP. BARRIER FENCE	

STV Incorporated
 2430 Mall Drive, Suite 315 Building B
 Charleston, South Carolina 29406
 (843) 207-2020 fax: (843) 207-2030
 In Cooperation With
 CIVIL ENGINEERING
 CONSULTING SERVICES, INC.

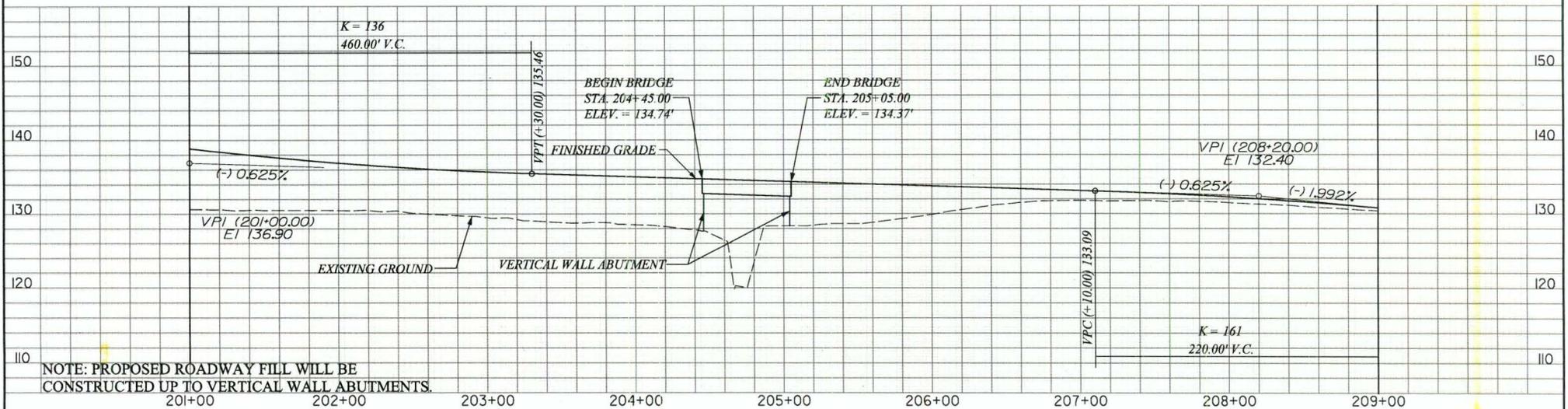
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION I-95 / US 301 INTERCHANGE - SC 6 CONNECTOR SCDOT FILE No. 38.036984 - SCDOT PIN 36984 RD01	
WATERS OF THE U.S. IMPACTS	
July 9, 2014	SHEET 2 OF 6



NOTE: BRIDGE CONSTRUCTION WILL BE COMPLETED FROM THE ADJACENT ROADWAY FILL EMBANKMENTS. NO MACHINERY WILL OPERATE WITHIN THE BANKS OF THE STREAM CHANNEL. NO ADDITIONAL BRIDGE CONSTRUCTION ACCESS IS REQUIRED.



PROPOSED ROADWAY AND BRIDGE PROFILE



NOTE: PROPOSED ROADWAY FILL WILL BE CONSTRUCTED UP TO VERTICAL WALL ABUTMENTS.

SAC 2014-00435
I-95/ US Route 301 Interchange
and SC Route 6 Connector
4 of 7 **July 17, 2014**

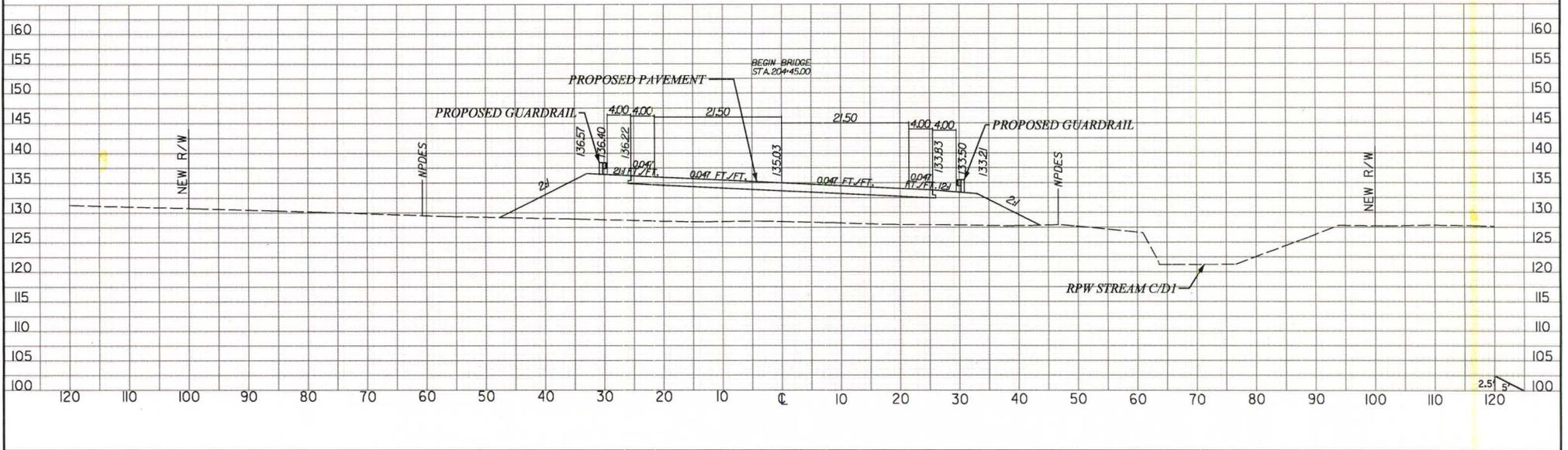
LEGEND	
FRESHWATER WETLAND	
FRESHWATER STREAM	
PROPOSED DITCH	
CONSTRUCTION LIMITS	
NPDES LIMITS	
WETLAND LIMITS	
TEMP. BARRIER FENCE	

STV Incorporated
 2430 Mall Drive, Suite 315 Building B
 Charleston, South Carolina 29406
 (843) 207-2020 fax: (843) 207-2030
 In Cooperation With

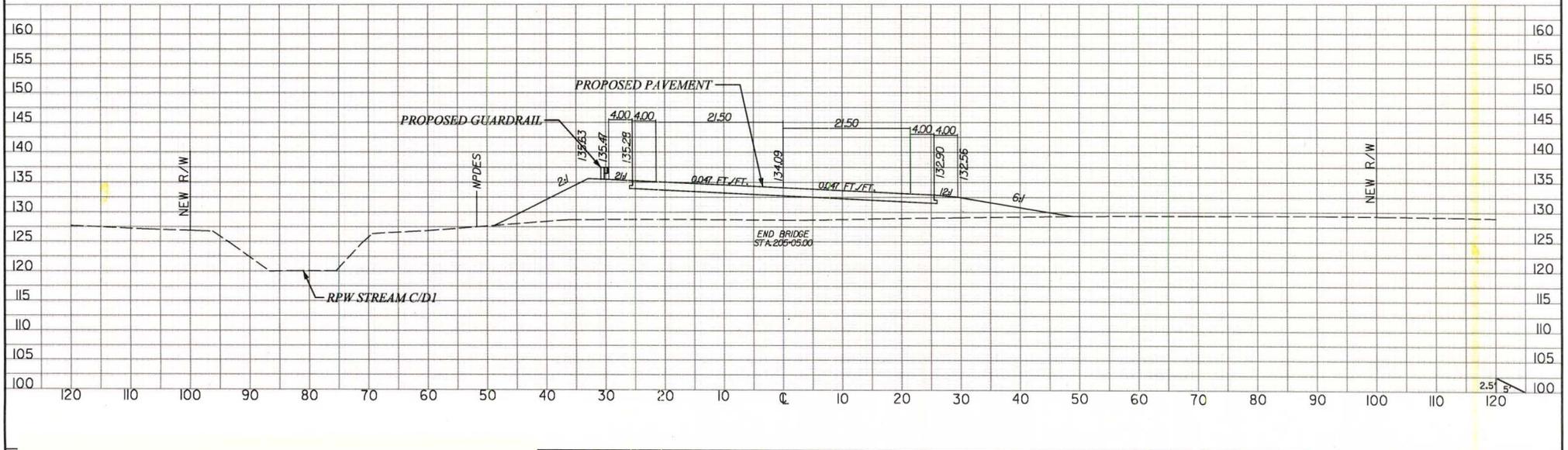
 CIVIL ENGINEERING CONSULTING SERVICES, INC.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 I-95 / US 301 INTERCHANGE - SC 6 CONNECTOR
 SCDOT FILE No. 38.036984 - SCDOT PIN 36984 RD01
WATERS OF THE U.S. IMPACTS
 JULY 9, 2014 SHEET 3 OF 6

CROSS SECTION A
STA. 204+00.00



CROSS SECTION B
STA. 205+50.00



SAC 2014-00435
I-95/ US Route 301 Interchange
and SC Route 6 Connector
 5 of 7
 July 17, 2014

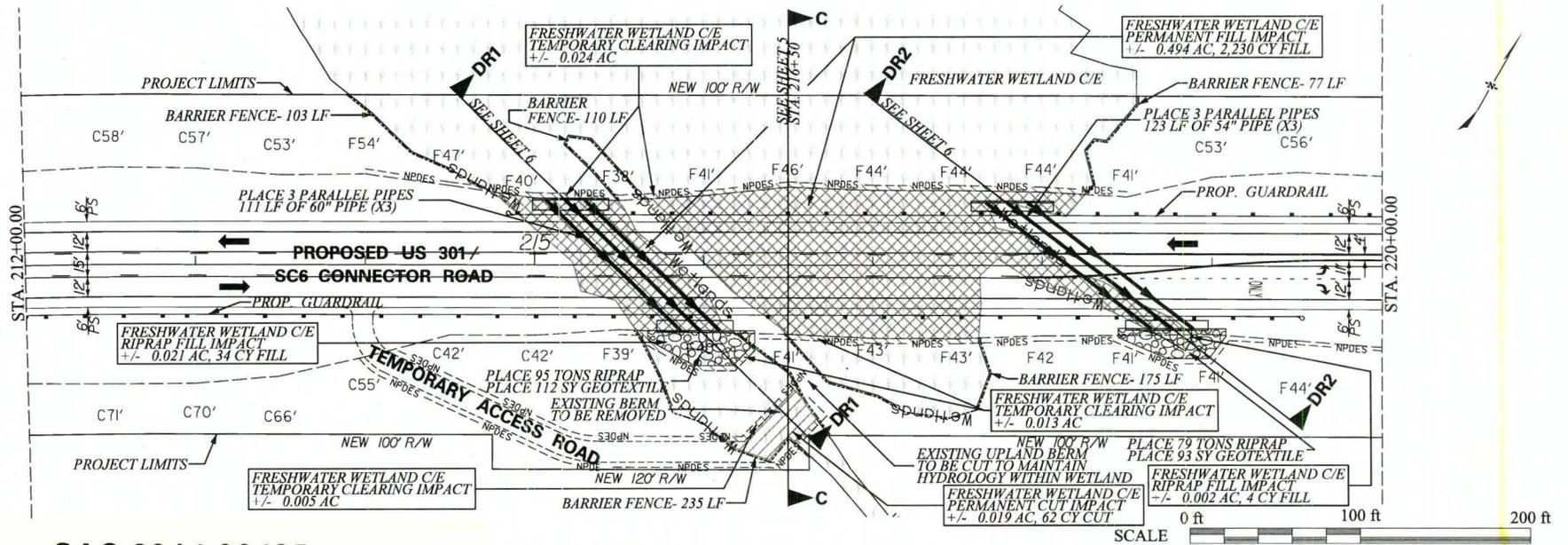
LEGEND	
FRESHWATER WETLAND	
FRESHWATER STREAM	
PROPOSED DITCH	
CONSTRUCTION LIMITS	
NPDES LIMITS	
WETLAND LIMITS	
TEMP. BARRIER FENCE	

STV Incorporated
 2430 Mall Drive, Suite 315 Building B
 Charleston, South Carolina 29406
 (843) 207-2020 fax: (843) 207-2030
 In Cooperation With
 CIVIL ENGINEERING CONSULTING SERVICES, INC.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 I-95 / US 301 INTERCHANGE - SC 6 CONNECTOR
 SCDOT FILE No. 38.036984 - SCDOT PIN 36984 RD01

WATERS OF THE U.S. IMPACTS

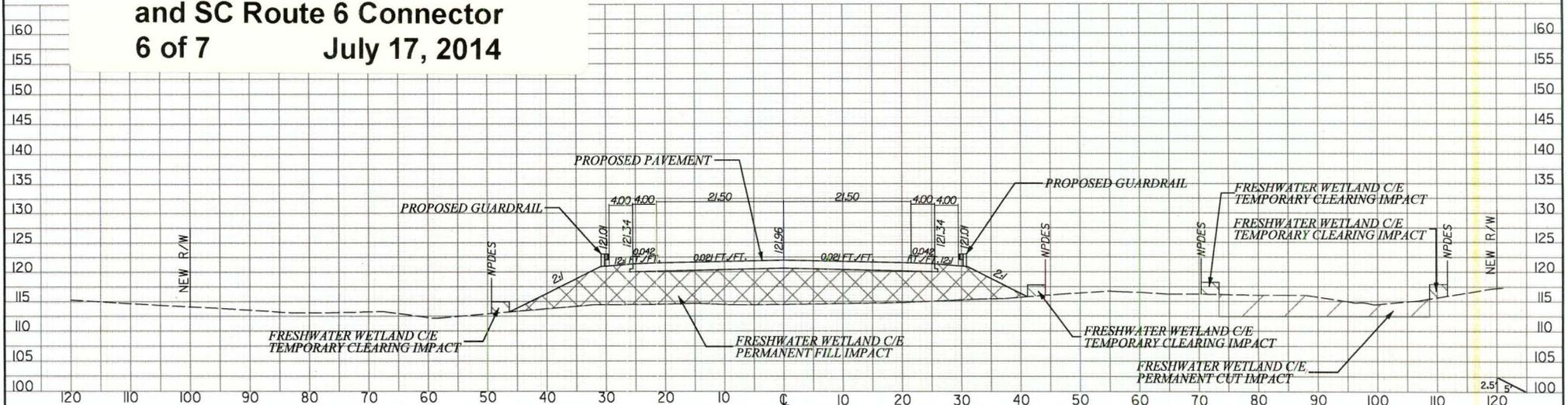
JULY 9, 2014 SHEET 4 OF 6



SAC 2014-00435

I-95/ US Route 301 Interchange
and SC Route 6 Connector
6 of 7 July 17, 2014

CROSS SECTION C
STA. 216+50.00



IMPACTS THIS SHEET	
	WETLAND FILL IMPACT 0.494 AC
	WETLAND CUT IMPACT 0.019 AC
	WETLAND RIPRAP FILL IMPACT 0.023 AC
	TEMPORARY CLEARING IMPACT 0.042 AC

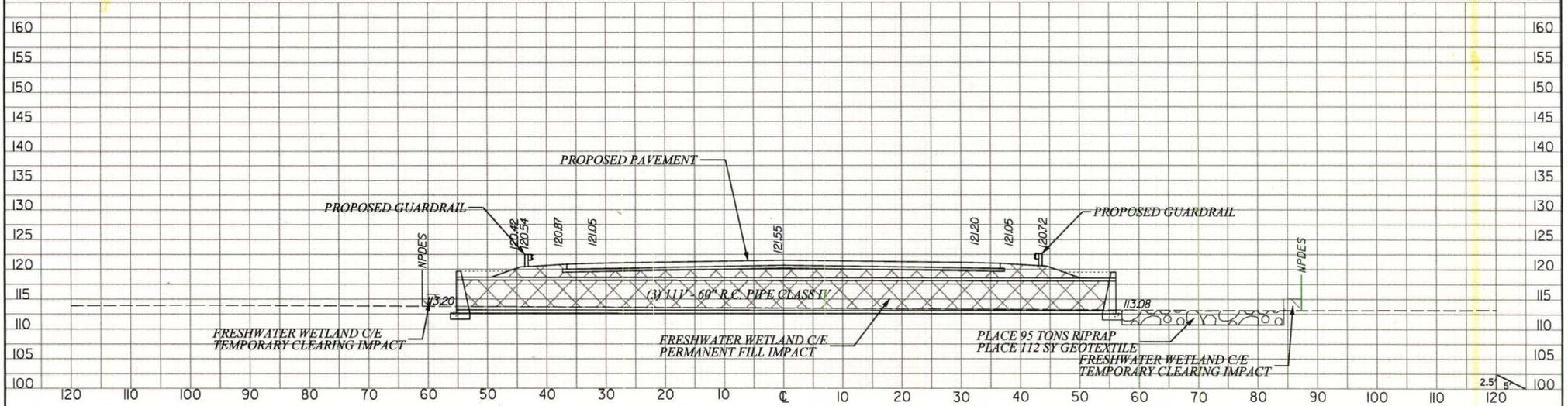
JURISDICTIONAL WETLAND BARRIER FENCE PROTECTION	
SHEET TOTAL: 700 LF	

LEGEND	
	FRESHWATER WETLAND
	FRESHWATER STREAM
	PROPOSED DITCH
	CONSTRUCTION LIMITS
	NPDES LIMITS
	WETLAND LIMITS
	TEMP. BARRIER FENCE

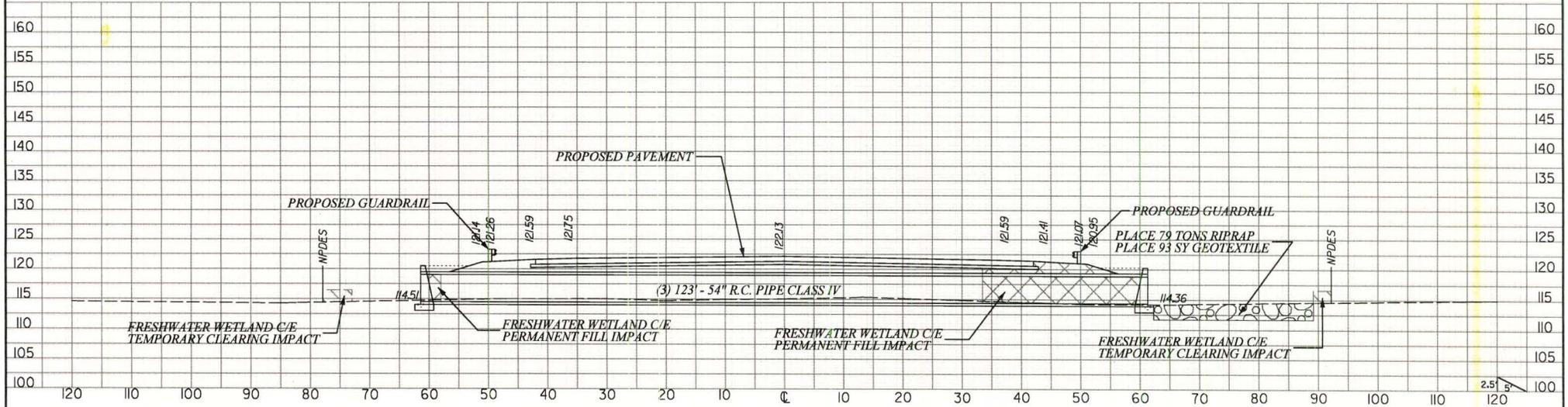
STV Incorporated
2430 Mall Drive, Suite 315 Building B
Charleston, South Carolina 29406
(843) 207-2020 fax: (843) 207-2030
In Cooperation With
 CIVIL ENGINEERING
 CONSULTING SERVICES, INC.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
I-95 / US 301 INTERCHANGE - SC 6 CONNECTOR
SCDOT FILE No. 38.036984 - SCDOT PIN 36984 RD01
WATERS OF THE U.S. IMPACTS
JULY 9, 2014 SHEET 5 OF 6

DRAINAGE CROSS SECTION DR1
(SKEWED SECTION ALONG CULVERT)



DRAINAGE CROSS SECTION DR2
(SKEWED SECTION ALONG CULVERT)



SAC 2014-00435
I-95/ US Route 301 Interchange
and SC Route 6 Connector
7 of 7 **July 17, 2014**

LEGEND	
FRESHWATER WETLAND	
FRESHWATER STREAM	
PROPOSED DITCH	
CONSTRUCTION LIMITS	
NPDES LIMITS	
WETLAND LIMITS	
TEMP. BARRIER FENCE	

STV Incorporated
 2430 Mall Drive, Suite 315 Building B
 Charleston, South Carolina 29406
 (843) 207-2020 fax: (843) 207-2030

In Cooperation With
 CIVIL ENGINEERING CONSULTING SERVICES, INC.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 I-95 / US 301 INTERCHANGE - SC 6 CONNECTOR
 SCDOT FILE No. 38.036984 - SCDOT PIN 36984 RD01

WATERS OF THE U.S. IMPACTS

JULY 9, 2014 SHEET 6 OF 6