

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 #2012-841-DIM

June 20, 2014

Pursuant to Sections 401 and 404 of the Clean Water Act (33 U.S.C. 1341), and the South Carolina Coastal Zone Management Act (48-39-10 et.seq.) 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
c/o Will McGoldrick
Post Office Box 191, 955 Park Street
Columbia, South Carolina 20202-0191

for a permit to place fill material in waters of the U.S., including wetlands adjacent to

Early Branch

located along the existing South Carolina Route 68, Yemassee Highway, beginning past the intersection of Davidson Tower road and heading away from I-95 to 1200 feet past the intersection with Bob Gifford Road, Hampton County, South Carolina (Latitude 32.744686, Longitude -80.928777).

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.

The proposed project includes widening the existing SC Route 68, Yamassee Highway, in

a three mile section approximately between Davidson Tower Road and after Bob Gifford Road but before Sinclair Road. This widening represents the second phase of this project. The applicant, SCDOT, proposes to improve the existing two-lane roadway by widening the roadway into a divided four-lane roadway separated by a 48-foot depressed median with earthen shoulders. This configuration is designed to match the existing widened roadway improved in phase one of the improvements.

In detail, the proposed project will impact a total of 8.114 acres of freshwater wetlands and 364 linear feet of streams. These impacts include 7.442 acres of permanent cut/fill impacts and 0.672 acre of permanent clearing. The linear impacts include 123 linear feet, 0.033 acre, of permanent piping impacts, 69 linear feet, 0.023 acre, of permanent culvert impact, 93 linear feet, 0.018 acre, of permanent stream fill, and 80 linear feet, 0.011 acre, of riprap armoring impacts.

Purpose: According to the applicant, the purpose of the proposed work is to improve regional mobility by increasing the road capacity and efficiency.

Avoidance and Minimization: The applicant states that efforts to avoid and/or minimize impacts to waters of the US include:

- Reducing fill slopes from 6:1 to 4:1 where feasible.
- Sediment and erosion control measures, consistent with the State's best management practices (BMPs), will be installed during construction.
- Improvements to existing roadway shoulders will be constructed primarily within the existing roadway footprint to minimize impacts to additional wetlands.

Mitigation: The applicant states that for the proposed impacts to waters of the U.S. the project would require 79.68 wetland credits and 1,432.05 stream credits. For the unavoidable impacts to tributaries SCDOT has proposed a conceptual permittee responsible mitigation plan dated June 19, 2014, due to the lack of available stream mitigation credits within the impact area. The applicant also proposes to purchase 40 wetland preservation credits from Sweetleaf Swamp Mitigation Bank and 40 Restoration credits from Savannah Swallow Mitigation Bank for impacts to freshwater wetlands.

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 of the South Carolina Coastal Zone Management Act (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. Persons wishing to comment or object to State 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 8.114 acre of wetland and 364 linear feet of

tributaries 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.

The District Engineer has consulted the most recently available information and has determined that the project will have no effect on any Federally endangered, threatened, or proposed species and will not result in the destruction or adverse modification of designated or proposed critical habitat. This public notice serves as a request to the U.S. Fish and Wildlife Service and the National Marine Fisheries Service for any additional information they may have on whether any listed or proposed endangered or threatened species or designated or proposed critical habitat may be present in the area which would be affected by the activity, pursuant to Section 7(c) of the Endangered Species Act of 1973 (as amended).

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.

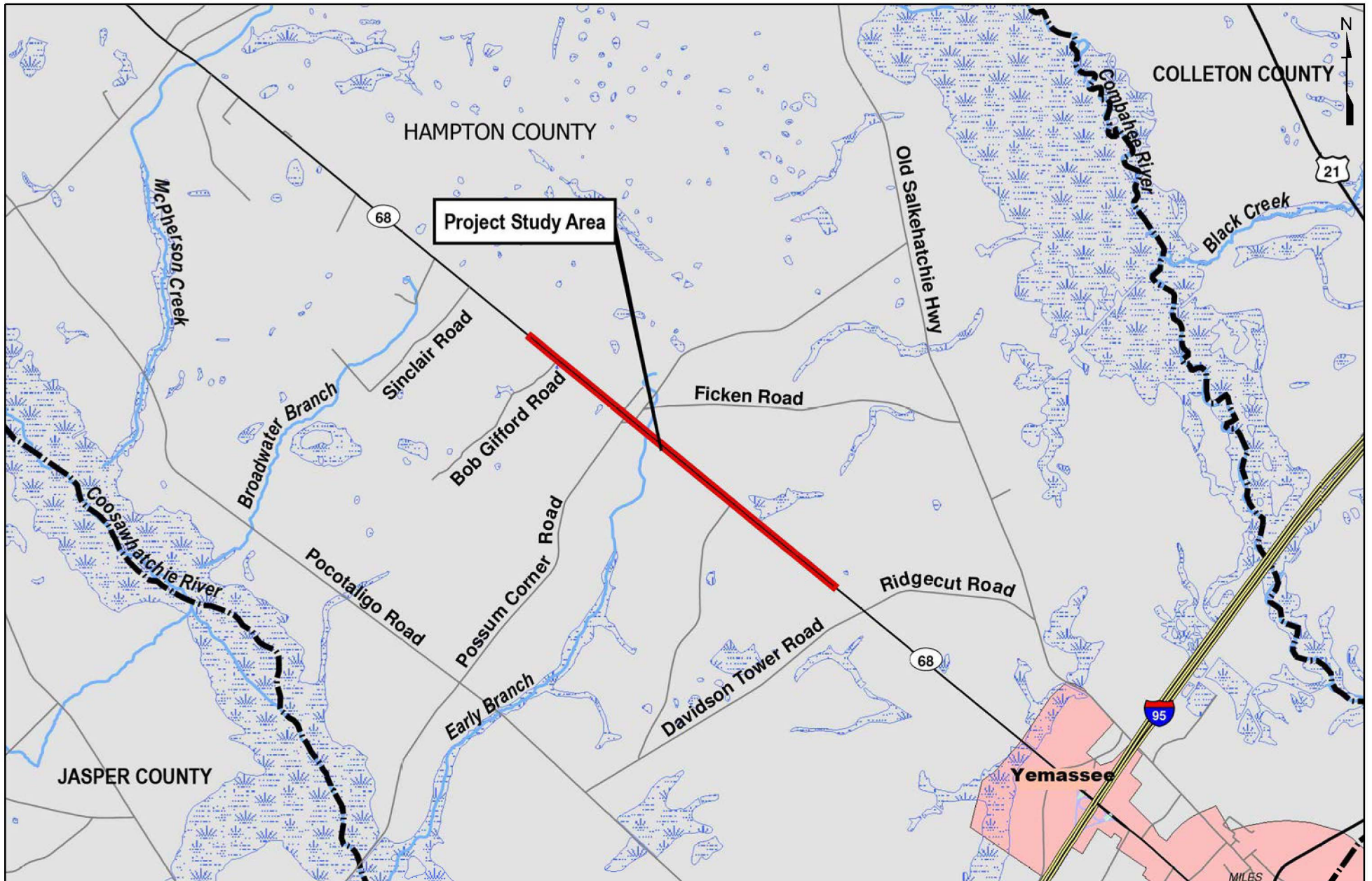
In accordance with the NHPA, the District Engineer has also consulted the latest published version of the National Register of Historic Places for the presence or absence of registered properties, or properties listed as being eligible for inclusion therein, and this worksite is not included as a registered 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 Christopher Mims at 843-329-8044 or toll free at 1-866-329-8187.



PREPARED BY:



Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision

Stantec Project Number: 175613043
 SCDOT PIN: 41402_RD-01
 USACE SAC: 2012-841-DJM

APPLICATION BY: **SCDOT**

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

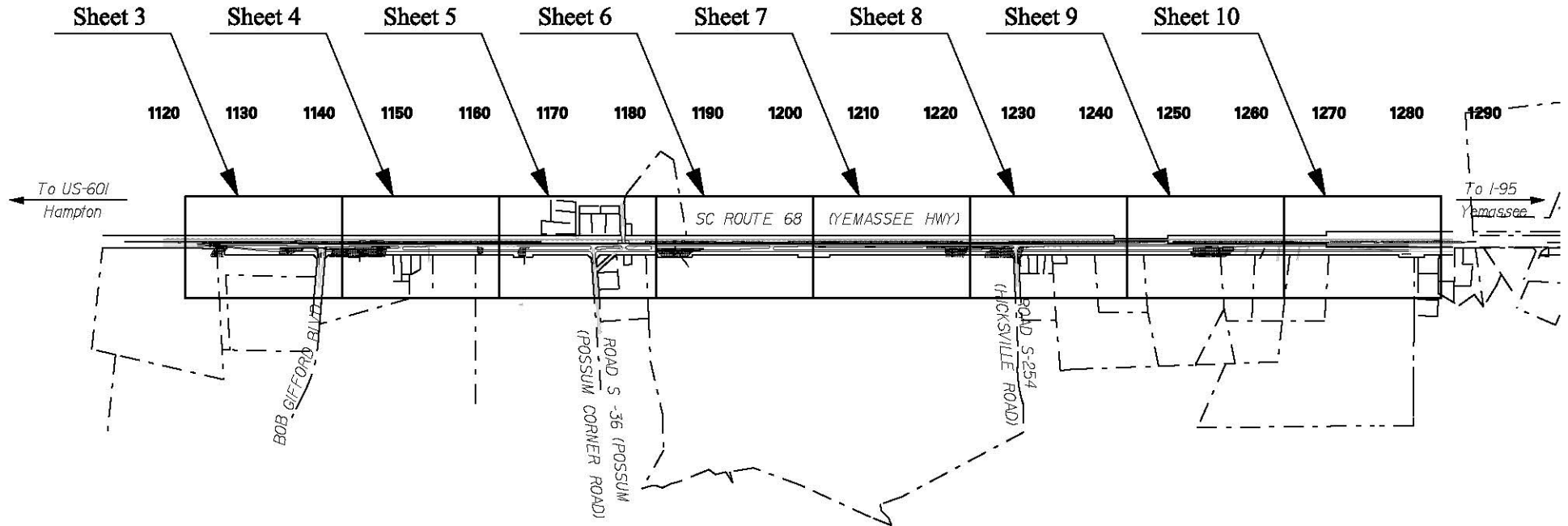
SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)

HAMPTON COUNTY, SOUTH CAROLINA

PROJECT LOCATION MAP

SHT. 1 OF 44

Total Project Impacts		
Permanent Wetland	Cut/Fill	7.442 acres
Permanent Wetland	Clearing	0.672 acre
Permanent Stream	Cut/Fill	93 lf (0.018 acre)
Permanent Stream	Cut/Fill (Culvert)	68 lf (0.023 acre)
Permanent Stream	Cut/Fill (Pipe)	123 lf (0.033 acre)
Permanent Stream	Armoring (Rip Rap)	80 lf (0.011 acre)
Total Wetland Impact		8.114 acres
Total Stream Impact		364 lf (0.085 acre)

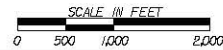



PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043			
SCDOT PIN: 41402_RD-01			
USACE SAC: 2012-841-DJM			



APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 OVERALL PROJECT PLAN VIEW SHT. 2 OF 44

1125

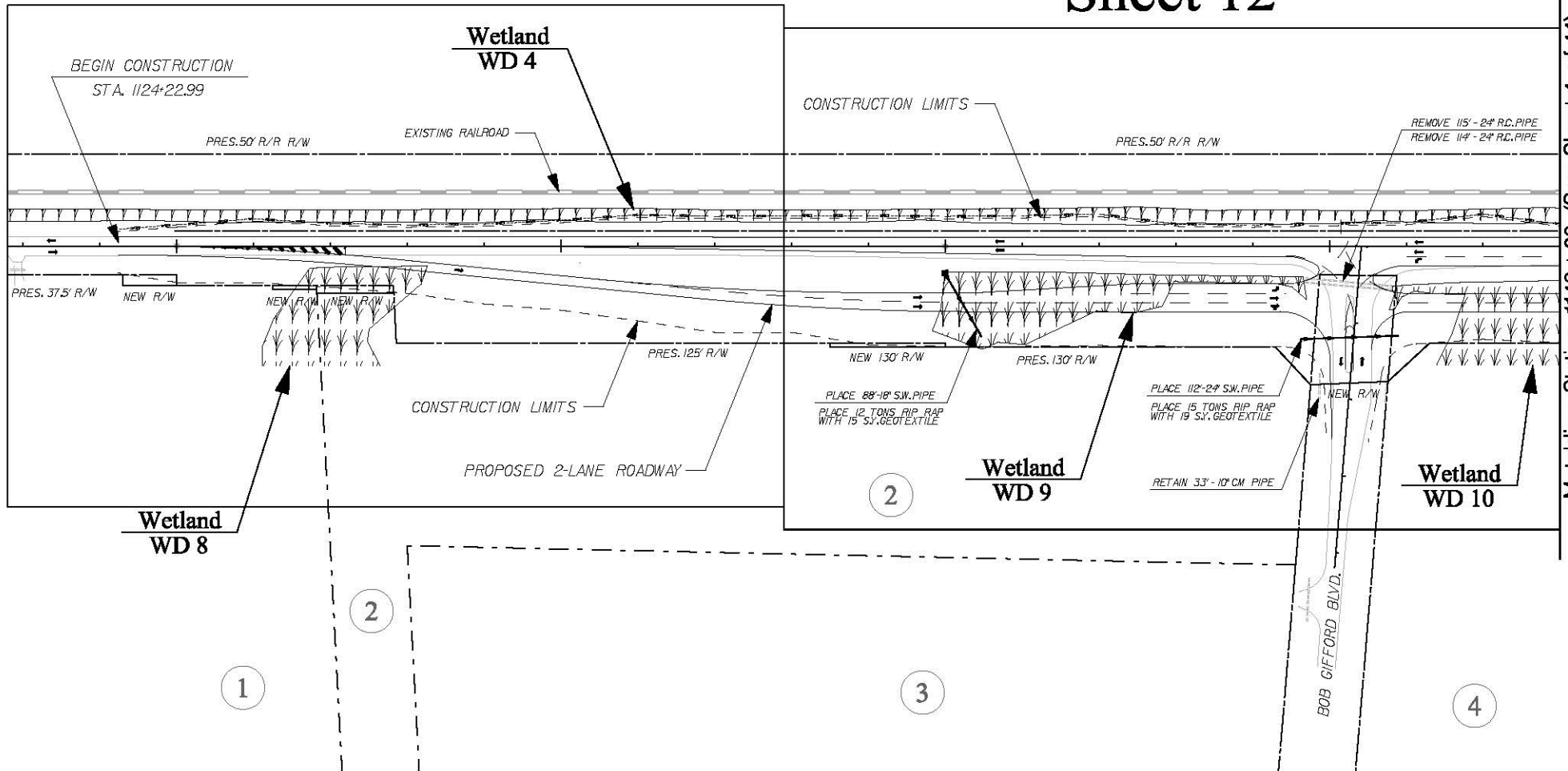
1130

1135

1140

Sheet 11

Sheet 12



Matchline Station 1143+00 (See Sheet 4 of 44)

LEGEND

- Jurisdictional Stream/Open Water
- Jurisdictional Wetland
- Property Line

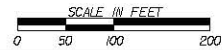
PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

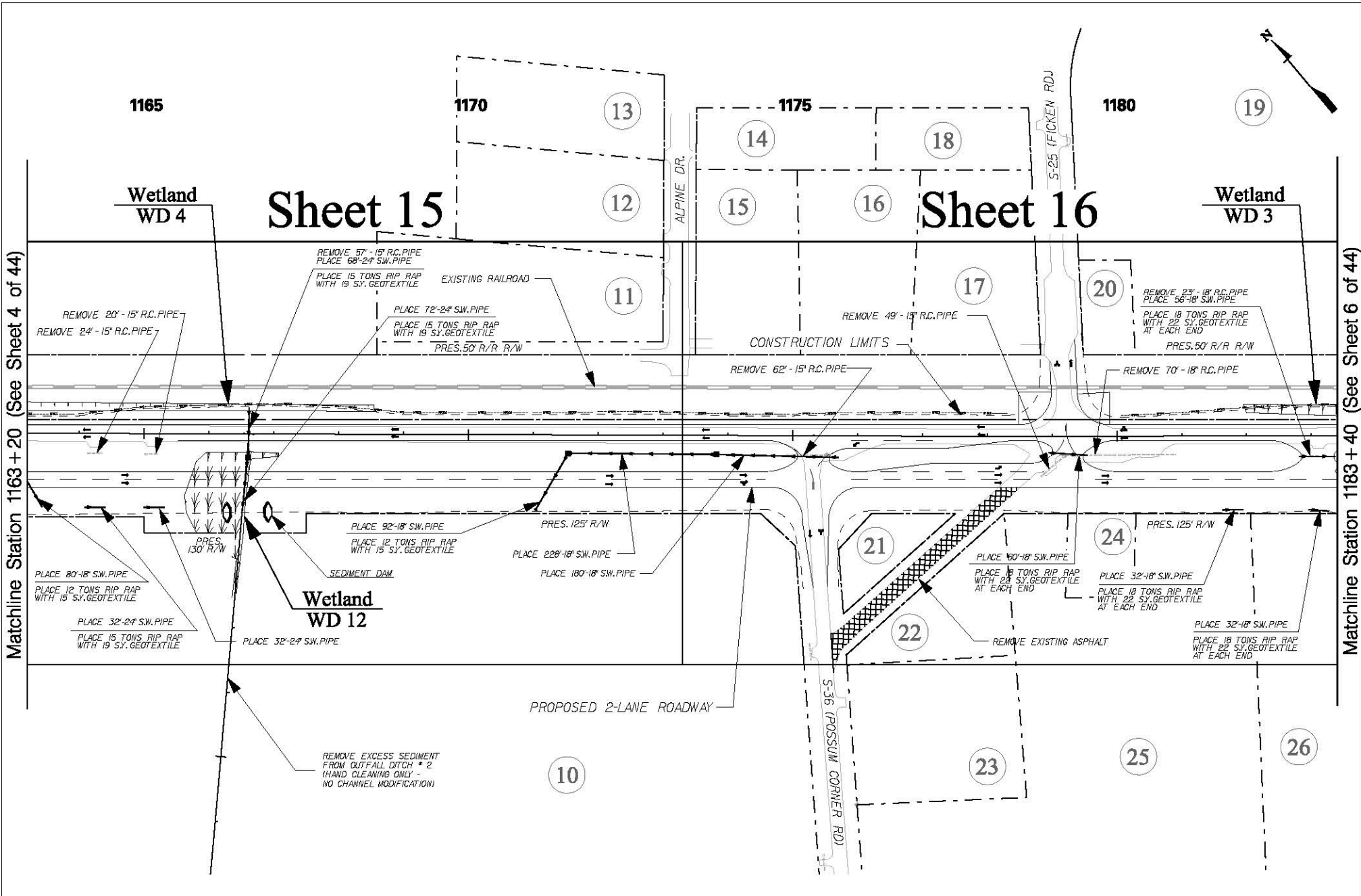
Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision

Stantec Project Number: 175613043
 SCDOT PIN: 41402 RD-01
 USACE SAC: 2012-841-DJM



APPLICATION BY:
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 PROJECT PLAN VIEW SHT. 3 OF 44



LEGEND

Jurisdictional Stream / Open Water

Jurisdictional Wetland

Property Line

PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402 RD-01 USACE SAC: 2012-841-DJM			

SCALE IN FEET

APPLICATION BY:
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA

PROJECT PLAN VIEW SHT. 5 OF 44



1185

1190

1195

1200

Sheet 18

Matchline Station 1183 + 40 (See Sheet 5 of 44)

Matchline Station 1203 + 60 (See Sheet 7 of 44)

Sheet 17

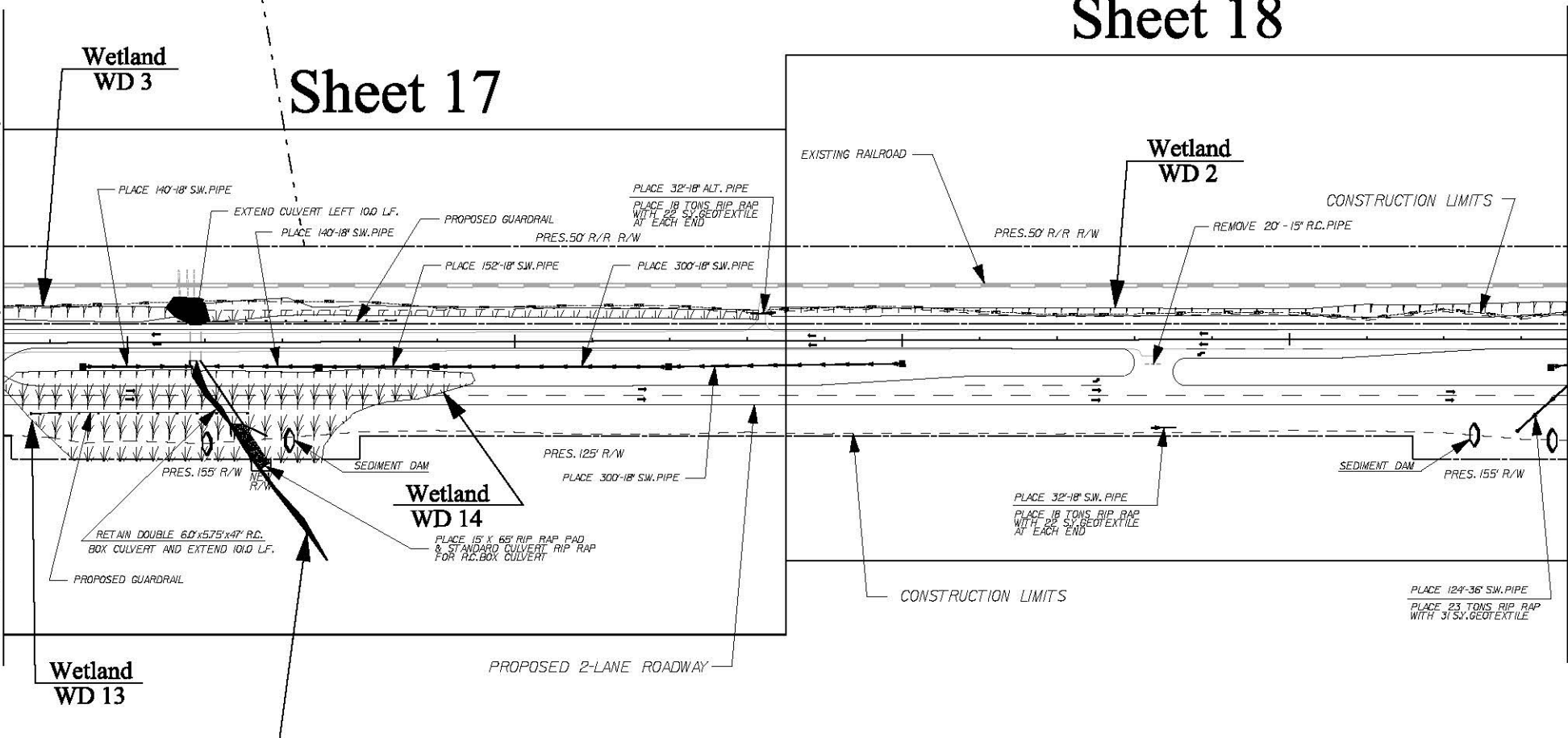
**Wetland
WD 3**

**Wetland
WD 2**

**Wetland
WD 14**

**Wetland
WD 13**

Stream "Early Branch"



26

LEGEND

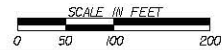
- Jurisdictional Stream / Open Water
- Jurisdictional Wetland
- Property Line

PREPARED BY:
Stantec
 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision

Stantec Project Number: 175613043
 SCDOT PIN: 41402_RD-01
 USACE SAC: 2012-841-DJM



APPLICATION BY: **SCDOT**
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 PROJECT PLAN VIEW SHT. 6 OF 44



1205

1210

1215

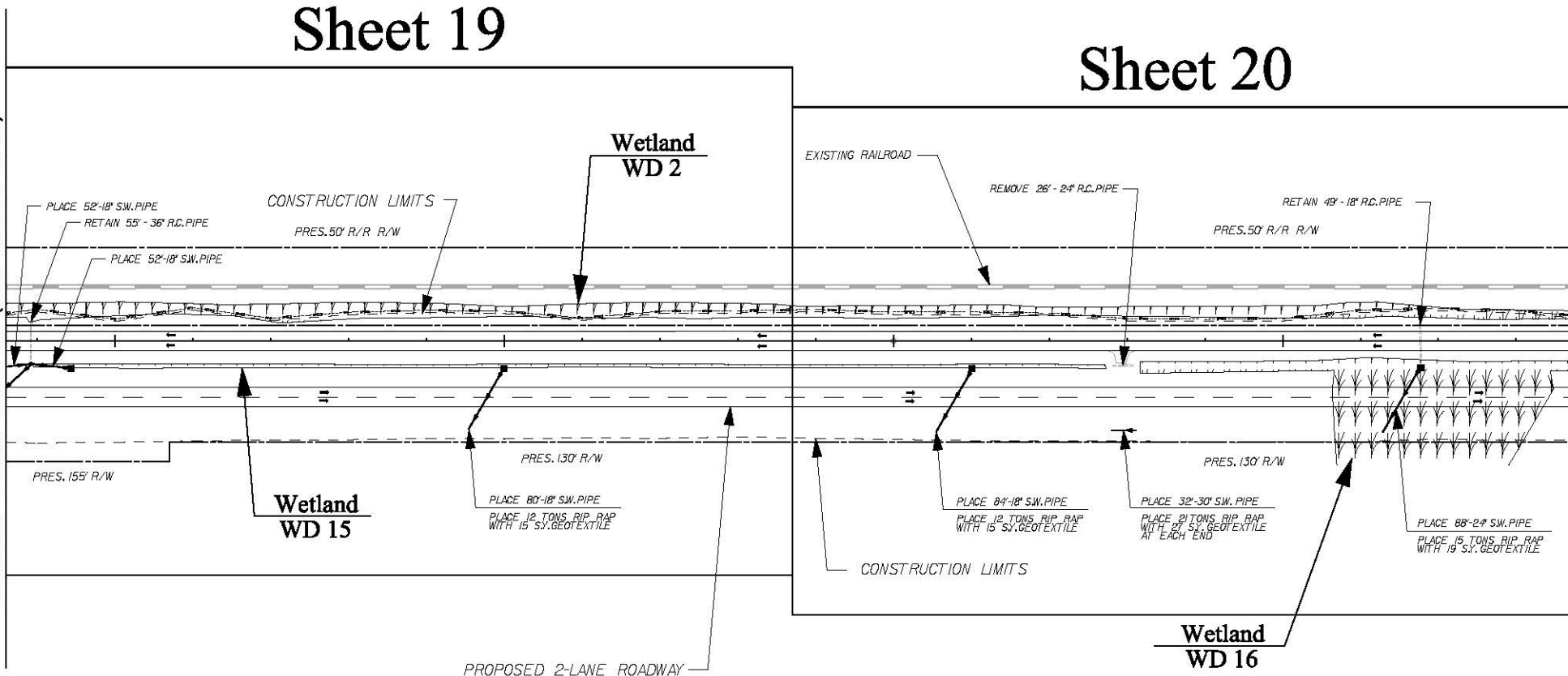
1220

Sheet 19

Sheet 20

Matchline Station 1203 + 60 (See Sheet 6 of 44)

Matchline Station 1223 + 80 (See Sheet 8 of 44)



26

LEGEND

- Jurisdictional Stream/Open Water
- Jurisdictional Wetland
- Property Line

PREPARED BY:



Stantec Consulting
 2127 Ayrsey Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY:



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)

HAMPTON COUNTY, SOUTH CAROLINA

PROJECT PLAN VIEW

SHT. 7 OF 44



1225

1230

1235

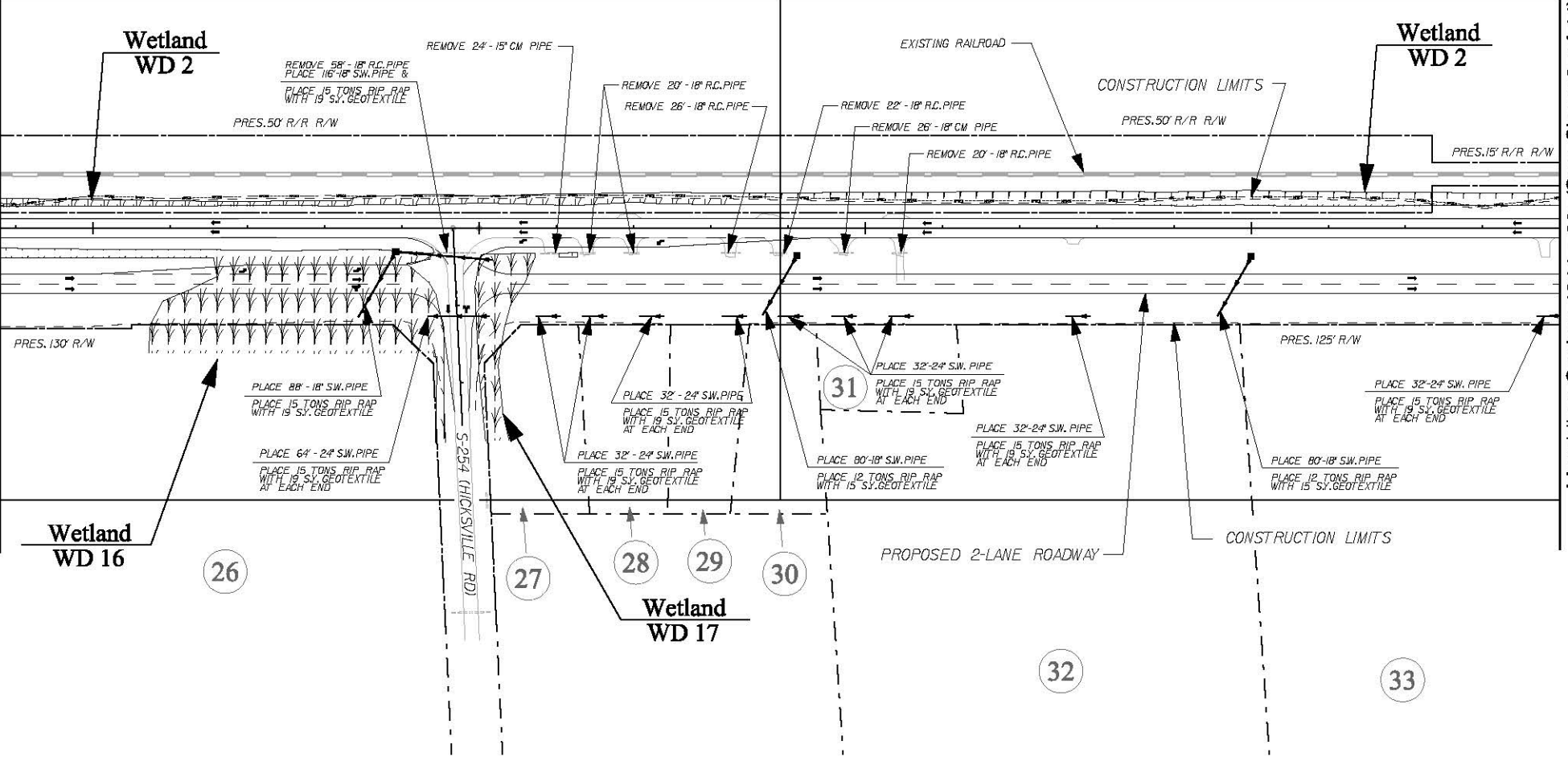
1240

Sheet 21

Sheet 22

Matchline Station 1223+80 (See Sheet 7 of 44)

Matchline Station 1244+00 (See Sheet 9 of 44)



LEGEND

- Jurisdictional Stream/Open Water
- Jurisdictional Wetland
- Property Line

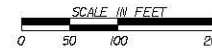
PREPARED BY:



Stantec Consulting
 2127 Ayrsey Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY:



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)

HAMPTON COUNTY, SOUTH CAROLINA

PROJECT PLAN VIEW

SHT. 8 OF 44



1245

1250

1255

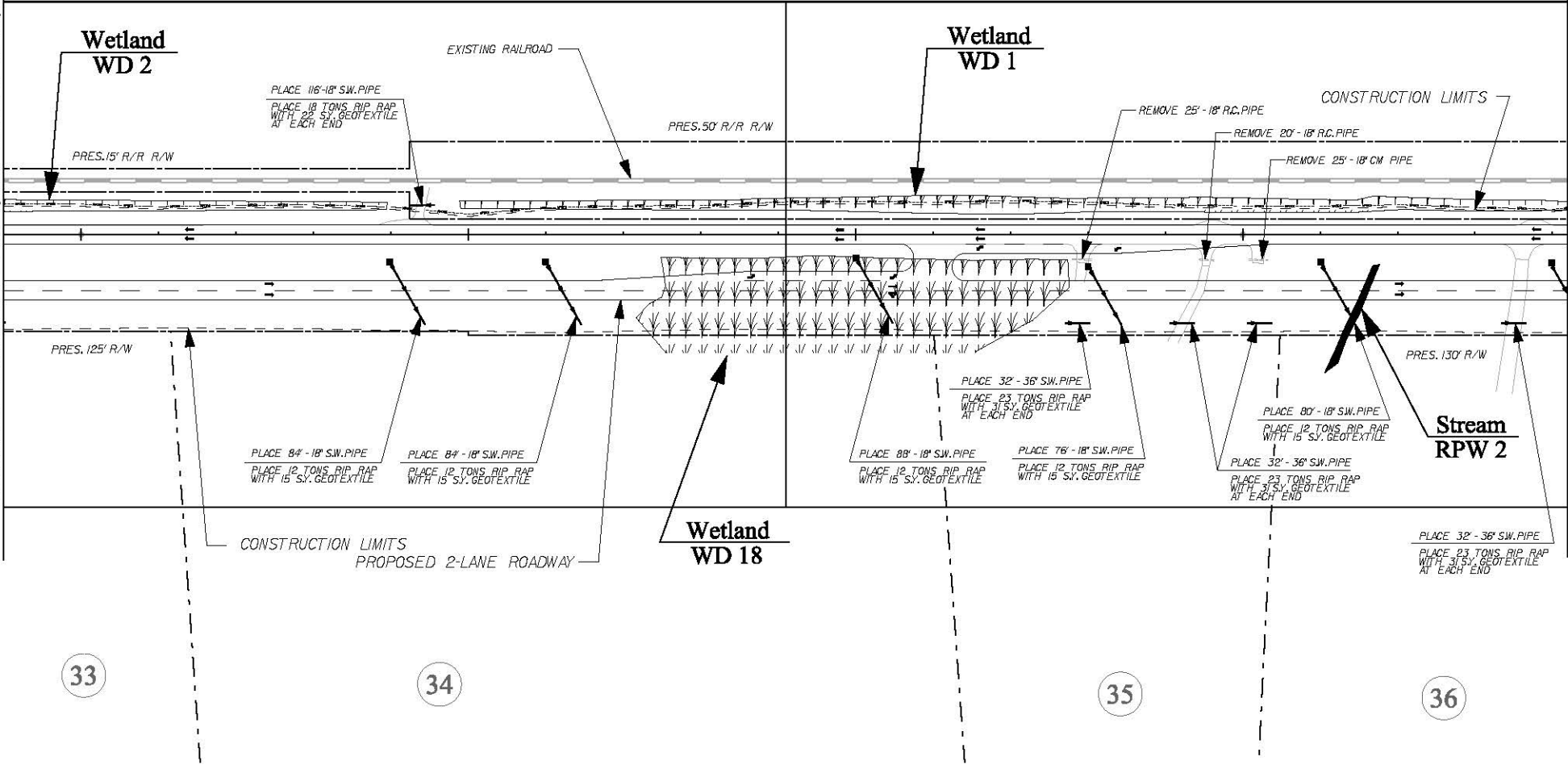
1260

Sheet 23

Sheet 24

Matchline Station 1244 + 00 (See Sheet 8 of 44)

Matchline Station 1264 + 20 (See Sheet 10 of 44)



33

34

35

36

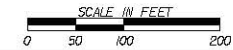
LEGEND

- Jurisdictional Stream / Open Water
- Jurisdictional Wetland
- Property Line

PREPARED BY:
Stantec
 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: **SCDOT**
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 PROJECT PLAN VIEW SHT. 9 OF 44



1265

1270

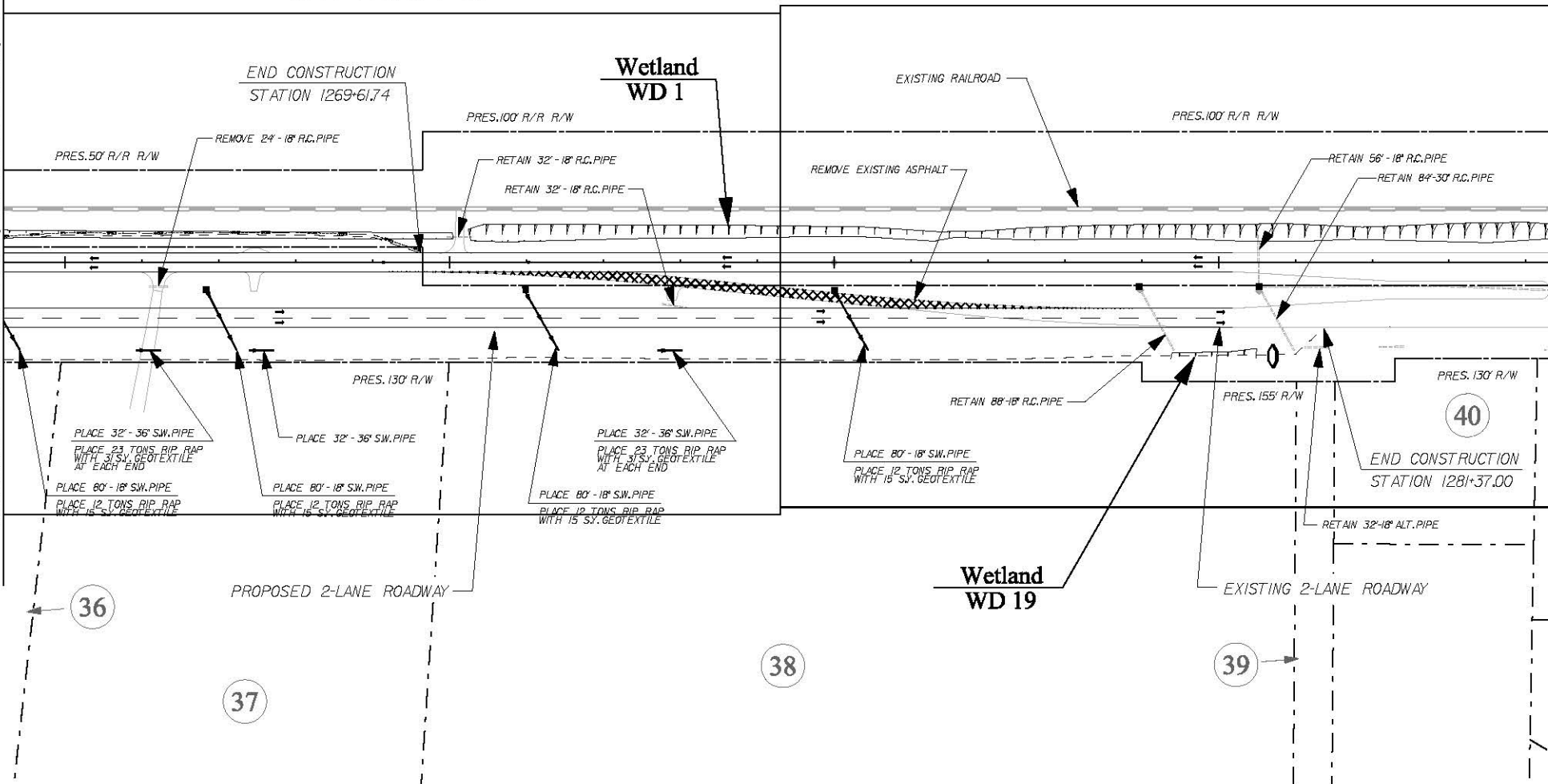
1275

1280

Sheet 25

Sheet 26

Matchline Station 1264 + 20 (See Sheet 9 of 44)

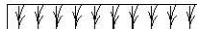


LEGEND

Jurisdictional Stream/Open Water



Jurisdictional Wetland



Property Line



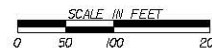
PREPARED BY:



Stantec Consulting
 2127 Ayrsey Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: **SCDOT**

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

SC ROUTE 68 (YEMASSEE HIGHWAY)
ROAD WIDENING PROJECT (PHASE II)

HAMPTON COUNTY, SOUTH CAROLINA

PROJECT PLAN VIEW

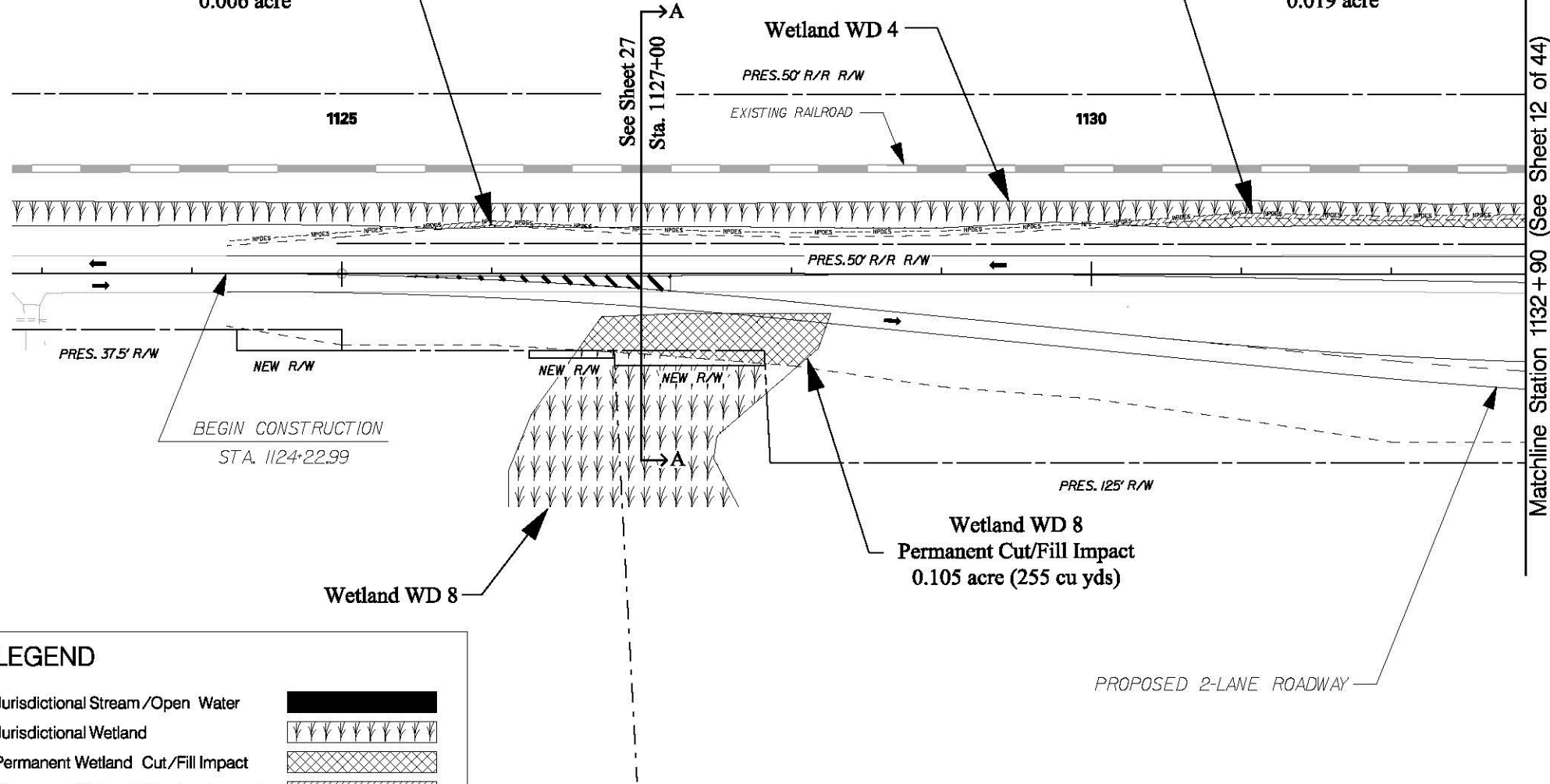
SHT. 10 OF 44

Sheet 10 Project Impacts

Permanent Wetland Cut/Fill	0.133 acre
Permanent Wetland Clearing	0.025 acre
Permanent Stream Cut/Fill	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Culvert)	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Pipe)	0 lf (0.000 acre)
Permanent Stream Armoring (Rip Rap)	0 lf (0.000 acre)
Total Wetland Impact	0.158 acre
Total Stream Impact	0 lf (0.000 acre)

Wetland WD 4
 Permanent Cut/Fill Impact
 0.001 acre (2 cu yds)
 Permanent Clearing Impact
 0.006 acre

Wetland WD 4
 Permanent Cut/Fill Impact
 0.027 acre (65 cu yds)
 Permanent Clearing Impact
 0.019 acre



LEGEND

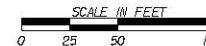
- Jurisdictional Stream/Open Water
- Jurisdictional Wetland
- Permanent Wetland Cut/Fill Impact
- Permanent Wetland Clearing Impact
- Permanent Stream Cut/Fill Impact
- Permanent Stream Rip Rap Impact
- Construction Limits
- NPDES Limits
- Property Line

PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY:
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 WATERS OF THE U.S. IMPACTS SHT. 11 OF 44

Matchline Station 1132 + 90 (See Sheet 12 of 44)

Matchline Station 1132+90 (See Sheet 11 of 44)

Matchline Station 1143+00 (See Sheet 13 of 44)

Sheet 11 Project Impacts

Permanent Wetland Cut/Fill	0.872 acre
Permanent Wetland Clearing	0.045 acre
Permanent Stream Cut/Fill	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Culvert)	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Pipe)	0 lf (0.000 acre)
Permanent Stream Armoring (Rip Rap)	0 lf (0.000 acre)
Total Wetland Impact	0.917 acre
Total Stream Impact	0 lf (0.000 acre)

Wetland WD 4
Permanent Cut/Fill Impact
 0.064 acre (155 cu yds)
Permanent Clearing Impact
 0.034 acre

Wetland WD 4
Permanent Cut/Fill Impact
 0.015 acre (35 cu yds)
Permanent Clearing Impact
 0.011 acre

Wetland WD 9
Permanent Cut/Fill Impact
 0.530 acre (1,280 cu yds)

Wetland WD 10
Permanent Cut/Fill Impact
 0.263 acre (362 cu yds)

LEGEND

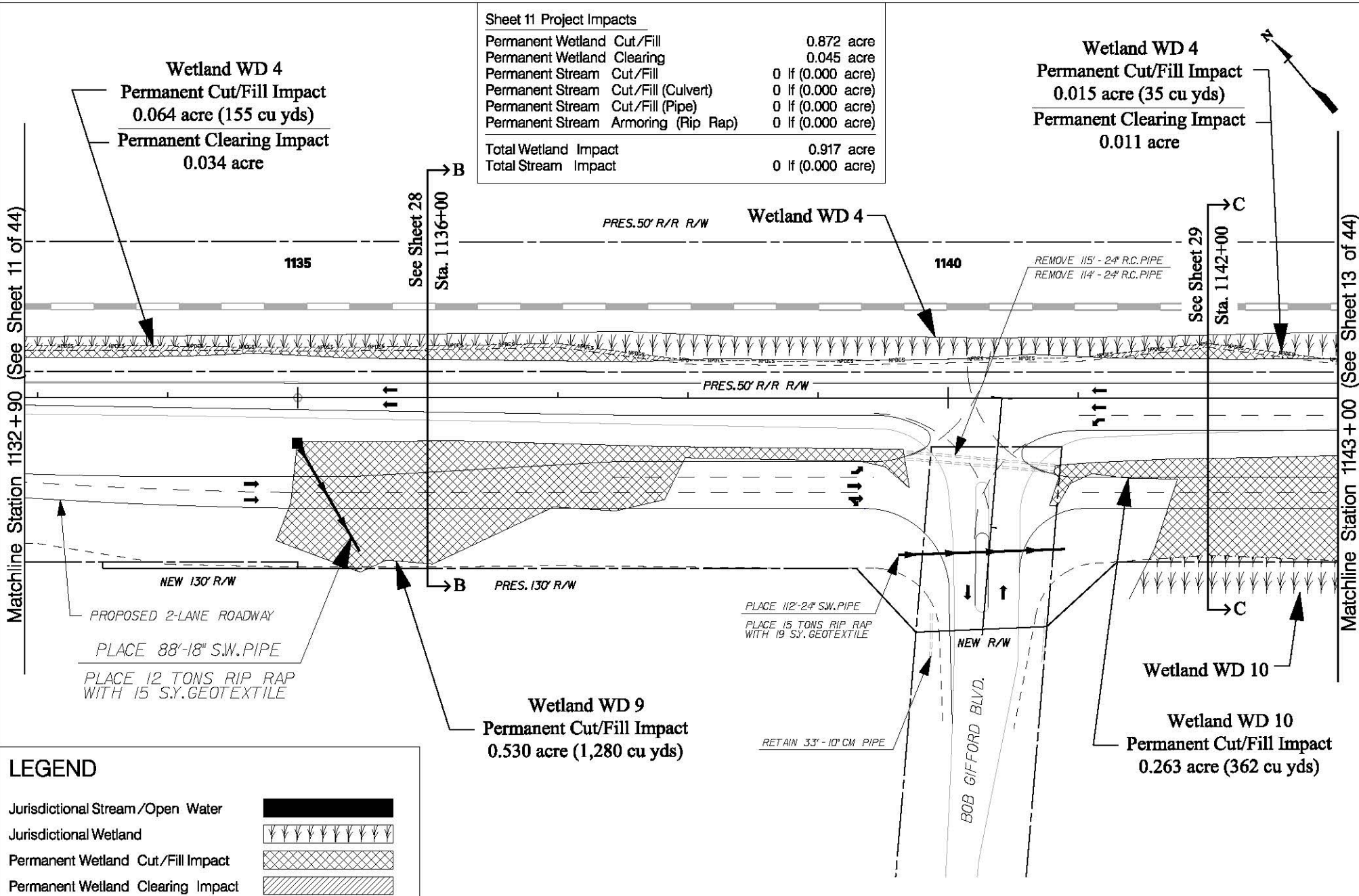
- Jurisdictional Stream/Open Water
- Jurisdictional Wetland
- Permanent Wetland Cut/Fill Impact
- Permanent Wetland Clearing Impact
- Permanent Stream Cut/Fill Impact
- Permanent Stream Rip Rap Impact
- Construction Limits
- NPDES Limits
- Property Line

PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			

APPLICATION BY:
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 WATERS OF THE U.S. IMPACTS SHT. 12 OF 44



Date: 6/17/2014



Wetland WD 4
Permanent Cut/Fill Impact
0.080 acre (190 cu yds)
Permanent Clearing Impact
0.039 acre

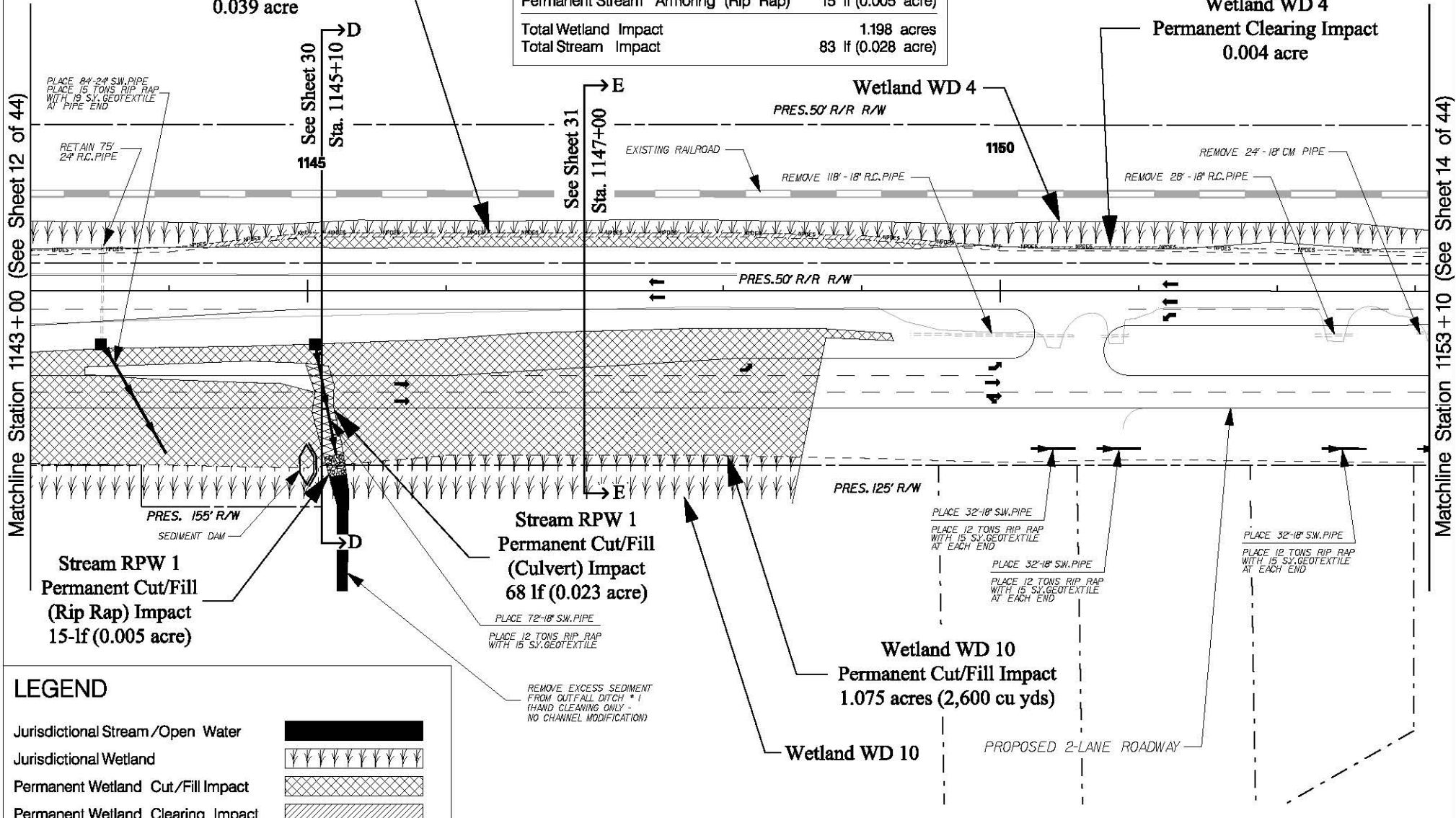
Sheet 12 Project Impacts

Permanent Wetland Cut/Fill	1.155 acre
Permanent Wetland Clearing	0.043 acre
Permanent Stream Cut/Fill	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Culvert)	68 lf (0.023 acre)
Permanent Stream Cut/Fill (Pipe)	0 lf (0.000 acre)
Permanent Stream Armoring (Rip Rap)	15 lf (0.005 acre)
Total Wetland Impact	1.198 acre
Total Stream Impact	83 lf (0.028 acre)

Wetland WD 4
Permanent Clearing Impact
0.004 acre

Matchline Station 1143+00 (See Sheet 12 of 44)

Matchline Station 1153+10 (See Sheet 14 of 44)



LEGEND

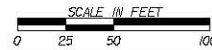
- Jurisdictional Stream/Open Water
- Jurisdictional Wetland
- Permanent Wetland Cut/Fill Impact
- Permanent Wetland Clearing Impact
- Permanent Stream Cut/Fill Impact
- Permanent Stream Rip Rap Impact
- Construction Limits
- NPDES Limits
- Property Line

PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY:
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 WATERS OF THE U.S. IMPACTS SHT. 13 OF 44

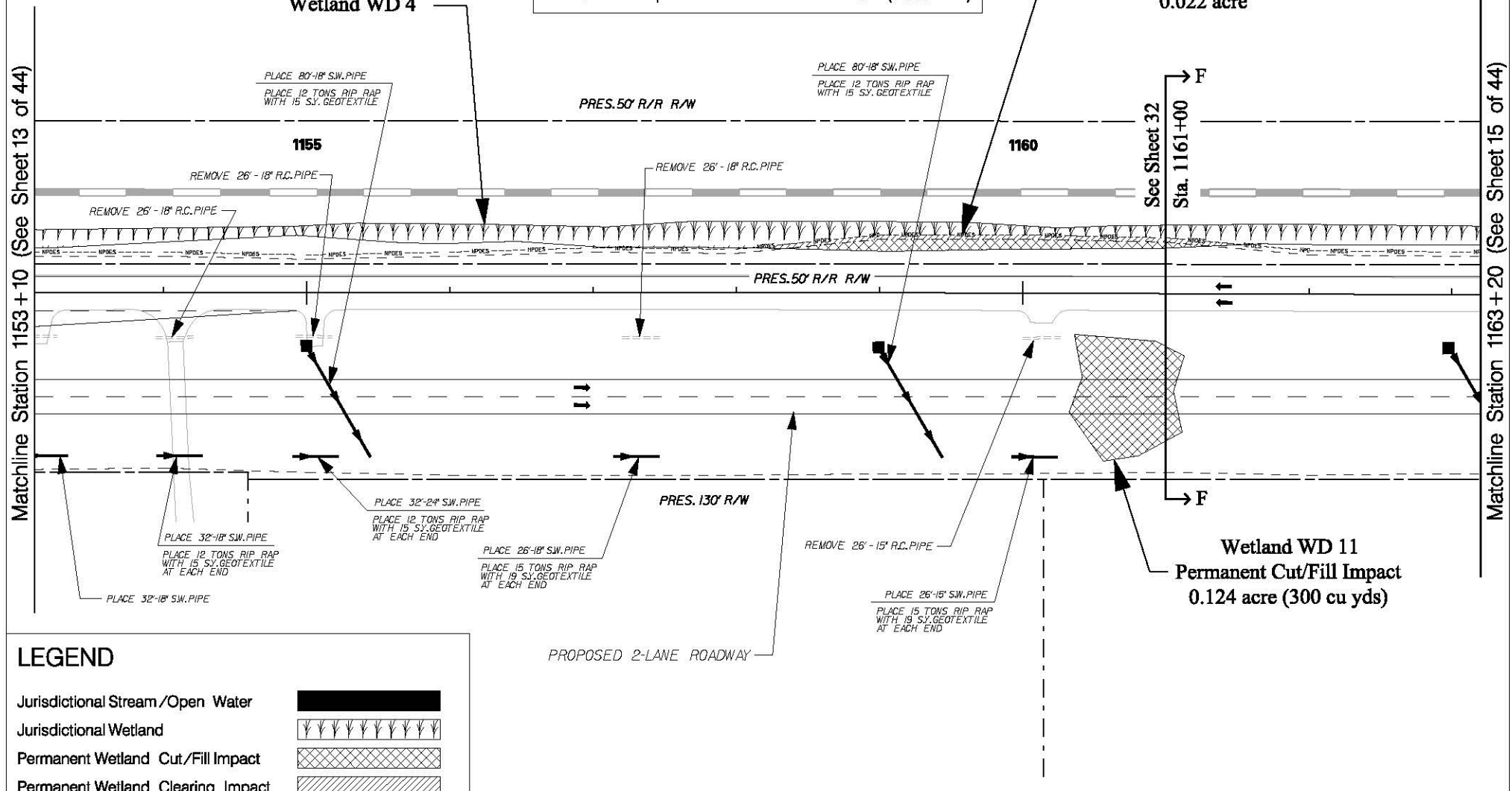
Sheet 13 Project Impacts

Permanent Wetland Cut/Fill	0.162 acre
Permanent Wetland Clearing	0.022 acre
Permanent Stream Cut/Fill	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Culvert)	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Pipe)	0 lf (0.000 acre)
Permanent Stream Armoring (Rip Rap)	0 lf (0.000 acre)
Total Wetland Impact	0.184 acre
Total Stream Impact	0 lf (0.000 acre)

Wetland WD 4
Permanent Cut/Fill Impact
 0.038 acre (95 cu yds)
Permanent Clearing Impact
 0.022 acre

Matchline Station 1153+10 (See Sheet 13 of 44)

Matchline Station 1163+20 (See Sheet 15 of 44)



LEGEND

- Jurisdictional Stream/Open Water
- Jurisdictional Wetland
- Permanent Wetland Cut/Fill Impact
- Permanent Wetland Clearing Impact
- Permanent Stream Cut/Fill Impact
- Permanent Stream Rip Rap Impact
- Construction Limits
- NPDES Limits
- Property Line

PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



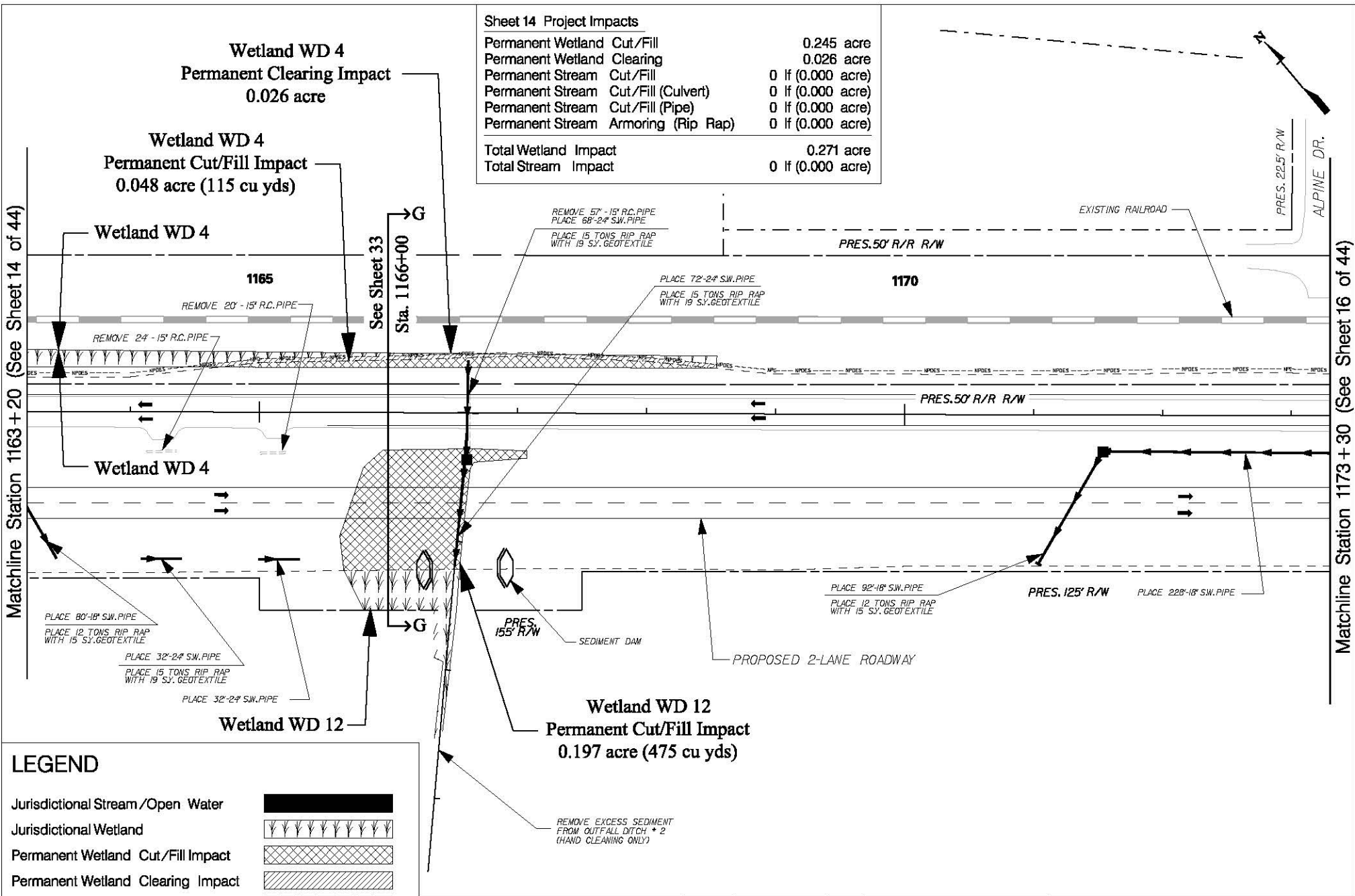
APPLICATION BY:
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 WATERS OF THE U.S. IMPACTS SHT. 14 OF 44

Sheet 14 Project Impacts

Permanent Wetland Cut/Fill	0.245 acre
Permanent Wetland Clearing	0.026 acre
Permanent Stream Cut/Fill	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Culvert)	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Pipe)	0 lf (0.000 acre)
Permanent Stream Armoring (Rip Rap)	0 lf (0.000 acre)
Total Wetland Impact	0.271 acre
Total Stream Impact	0 lf (0.000 acre)

Matchline Station 1163+20 (See Sheet 14 of 44)

Matchline Station 1173+30 (See Sheet 16 of 44)



LEGEND

- Jurisdictional Stream/Open Water
- Jurisdictional Wetland
- Permanent Wetland Cut/Fill Impact
- Permanent Wetland Clearing Impact
- Permanent Stream Cut/Fill Impact
- Permanent Stream Rip Rap Impact
- Construction Limits
- NPDES Limits
- Property Line

PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com
 Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			

APPLICATION BY:
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 WATERS OF THE U.S. IMPACTS SHT. 15 OF 44



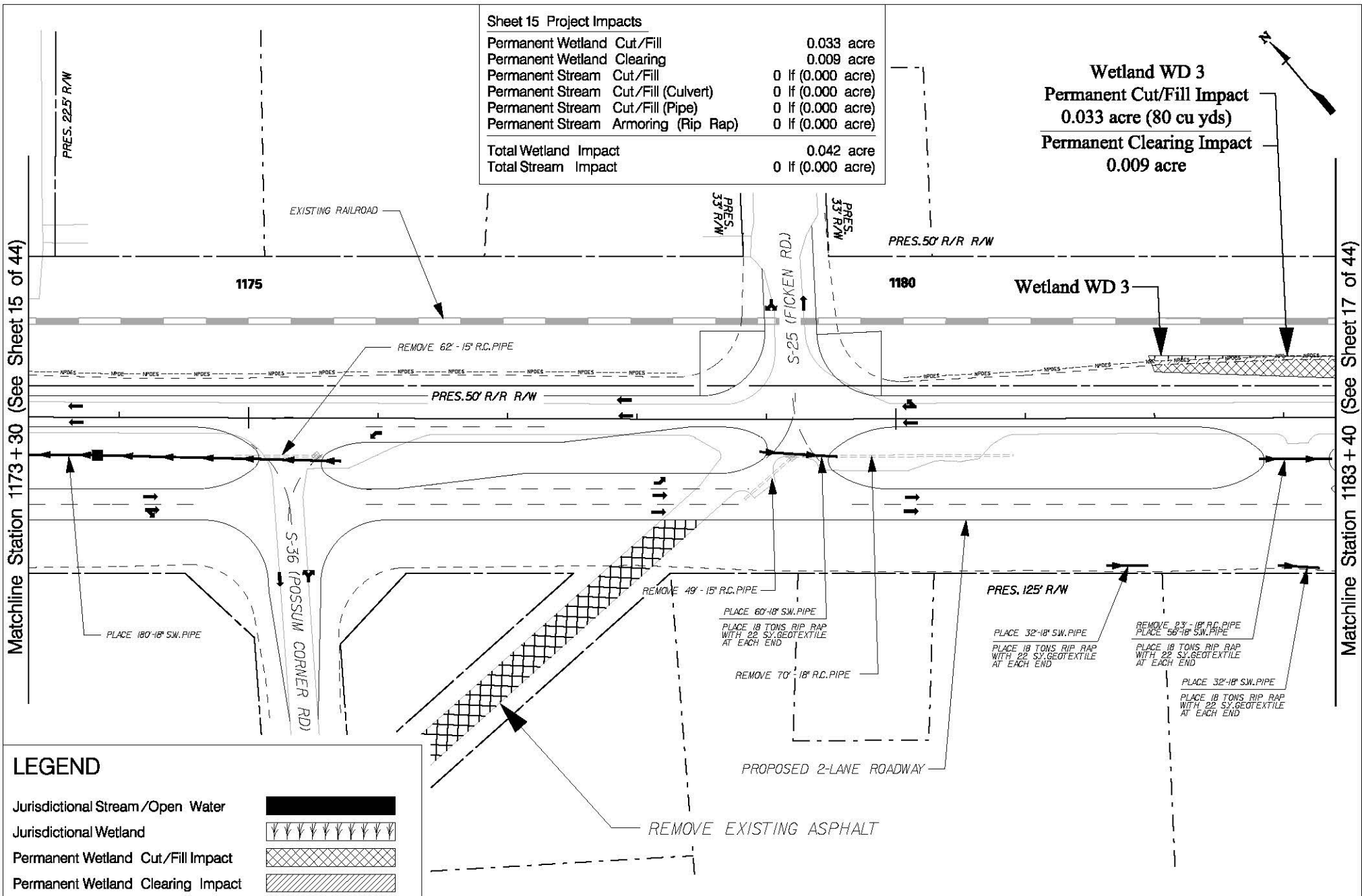
Sheet 15 Project Impacts

Permanent Wetland Cut/Fill	0.033 acre
Permanent Wetland Clearing	0.009 acre
Permanent Stream Cut/Fill	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Culvert)	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Pipe)	0 lf (0.000 acre)
Permanent Stream Armoring (Rip Rap)	0 lf (0.000 acre)
Total Wetland Impact	0.042 acre
Total Stream Impact	0 lf (0.000 acre)

Wetland WD 3
Permanent Cut/Fill Impact
0.033 acre (80 cu yds)
Permanent Clearing Impact
0.009 acre

Matchline Station 1173 + 30 (See Sheet 15 of 44)

Matchline Station 1183 + 40 (See Sheet 17 of 44)



LEGEND

- Jurisdictional Stream/Open Water
- Jurisdictional Wetland
- Permanent Wetland Cut/Fill Impact
- Permanent Wetland Clearing Impact
- Permanent Stream Cut/Fill Impact
- Permanent Stream Rip Rap Impact
- Construction Limits
- NPDES Limits
- Property Line

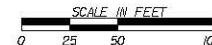
PREPARED BY:



Stantec Consulting
 2127 Ayrsey Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY:



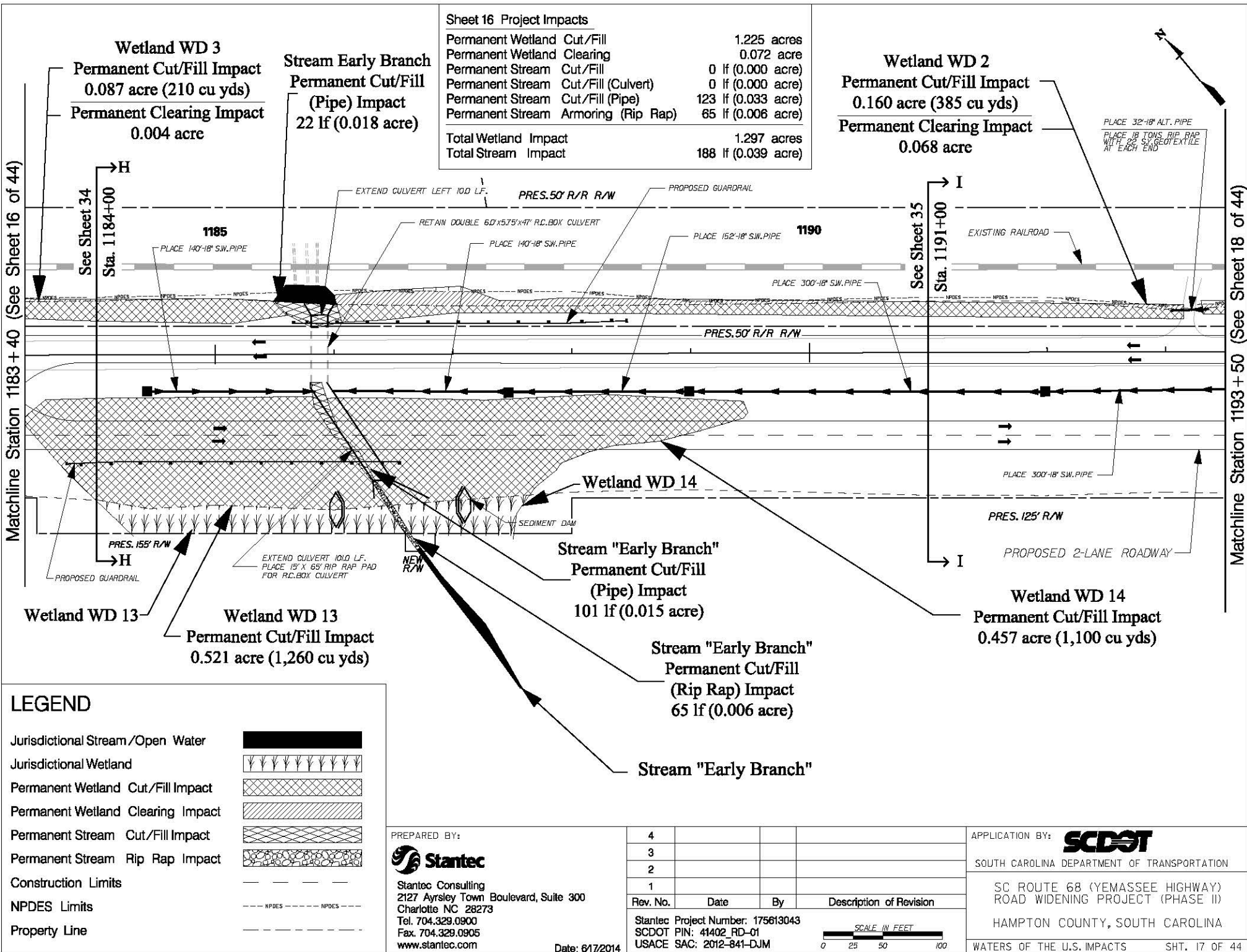
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)

HAMPTON COUNTY, SOUTH CAROLINA

WATERS OF THE U.S. IMPACTS

SHT. 16 OF 44



Sheet 16 Project Impacts

Permanent Wetland Cut/Fill	1.225 acres
Permanent Wetland Clearing	0.072 acre
Permanent Stream Cut/Fill	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Culvert)	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Pipe)	123 lf (0.033 acre)
Permanent Stream Armoring (Rip Rap)	65 lf (0.006 acre)
Total Wetland Impact	1.297 acres
Total Stream Impact	188 lf (0.039 acre)

Matchline Station 1183 + 40 (See Sheet 16 of 44)

Matchline Station 1193 + 50 (See Sheet 18 of 44)

LEGEND

Jurisdictional Stream/Open Water	
Jurisdictional Wetland	
Permanent Wetland Cut/Fill Impact	
Permanent Wetland Clearing Impact	
Permanent Stream Cut/Fill Impact	
Permanent Stream Rip Rap Impact	
Construction Limits	
NPDES Limits	
Property Line	

PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

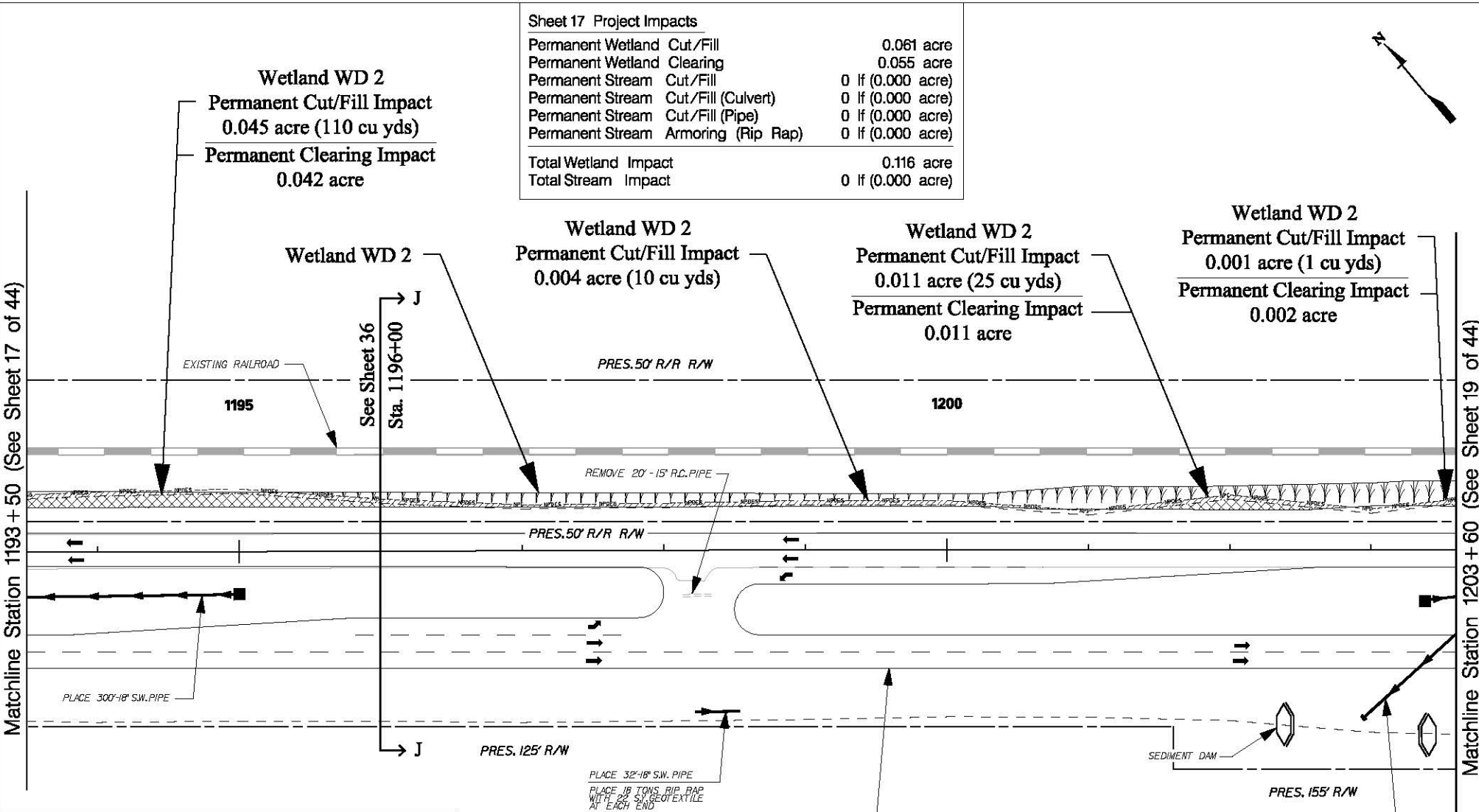
4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY:
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 WATERS OF THE U.S. IMPACTS SHT. 17 OF 44

Sheet 17 Project Impacts

Permanent Wetland Cut/Fill	0.061 acre
Permanent Wetland Clearing	0.055 acre
Permanent Stream Cut/Fill	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Culvert)	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Pipe)	0 lf (0.000 acre)
Permanent Stream Armoring (Rip Rap)	0 lf (0.000 acre)
Total Wetland Impact	0.116 acre
Total Stream Impact	0 lf (0.000 acre)



LEGEND

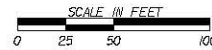
- Jurisdictional Stream/Open Water
- Jurisdictional Wetland
- Permanent Wetland Cut/Fill Impact
- Permanent Wetland Clearing Impact
- Permanent Stream Cut/Fill Impact
- Permanent Stream Rip Rap Impact
- Construction Limits
- NPDES Limits
- Property Line

PREPARED BY:

 Stantec Consulting
 2127 Ayrsey Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402 RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY:
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 WATERS OF THE U.S. IMPACTS SHT. 18 OF 44

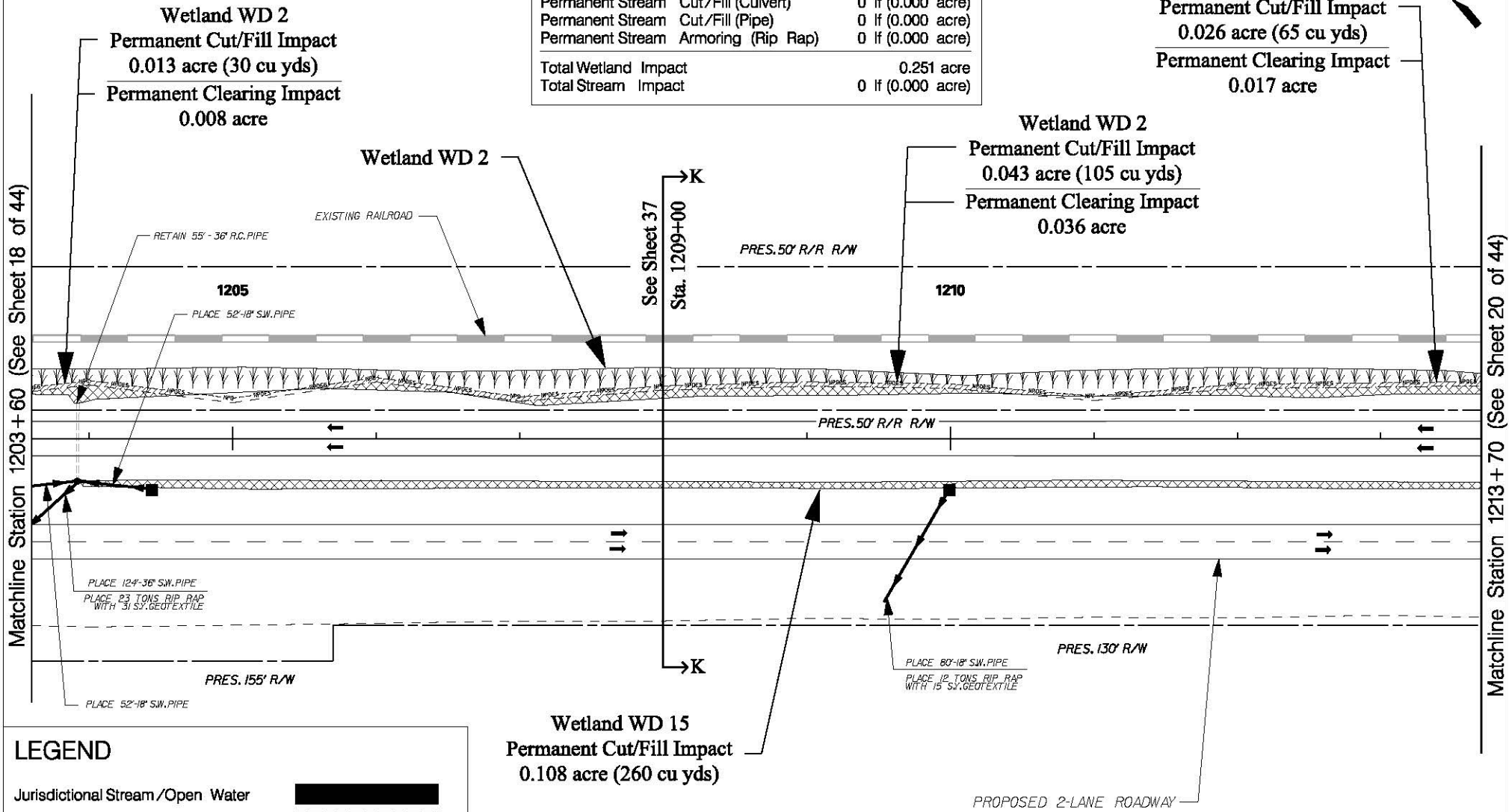
Sheet 18 Project Impacts

Permanent Wetland Cut/Fill	0.190 acre
Permanent Wetland Clearing	0.061 acre
Permanent Stream Cut/Fill	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Culvert)	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Pipe)	0 lf (0.000 acre)
Permanent Stream Armoring (Rip Rap)	0 lf (0.000 acre)
Total Wetland Impact	0.251 acre
Total Stream Impact	0 lf (0.000 acre)

Wetland WD 2
Permanent Cut/Fill Impact
0.026 acre (65 cu yds)
Permanent Clearing Impact
0.017 acre

Matchline Station 1203 + 60 (See Sheet 18 of 44)

Matchline Station 1213 + 70 (See Sheet 20 of 44)



LEGEND

Jurisdictional Stream/Open Water	
Jurisdictional Wetland	
Permanent Wetland Cut/Fill Impact	
Permanent Wetland Clearing Impact	
Permanent Stream Cut/Fill Impact	
Permanent Stream Rip Rap Impact	
Construction Limits	
NPDES Limits	
Property Line	

PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com
 Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			

SCALE IN FEET
 0 25 50 100

APPLICATION BY:
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 WATERS OF THE U.S. IMPACTS SHT. 19 OF 44

Sheet 19 Project Impacts

Permanent Wetland Cut/Fill	0.852 acre
Permanent Wetland Clearing	0.049 acre
Permanent Stream Cut/Fill	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Culvert)	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Pipe)	0 lf (0.000 acre)
Permanent Stream Armoring (Rip Rap)	0 lf (0.000 acre)
Total Wetland Impact	0.901 acre
Total Stream Impact	0 lf (0.000 acre)

Wetland WD 2
Permanent Cut/Fill Impact
0.051 acre (125 cu yds)
Permanent Clearing Impact
0.025 acre

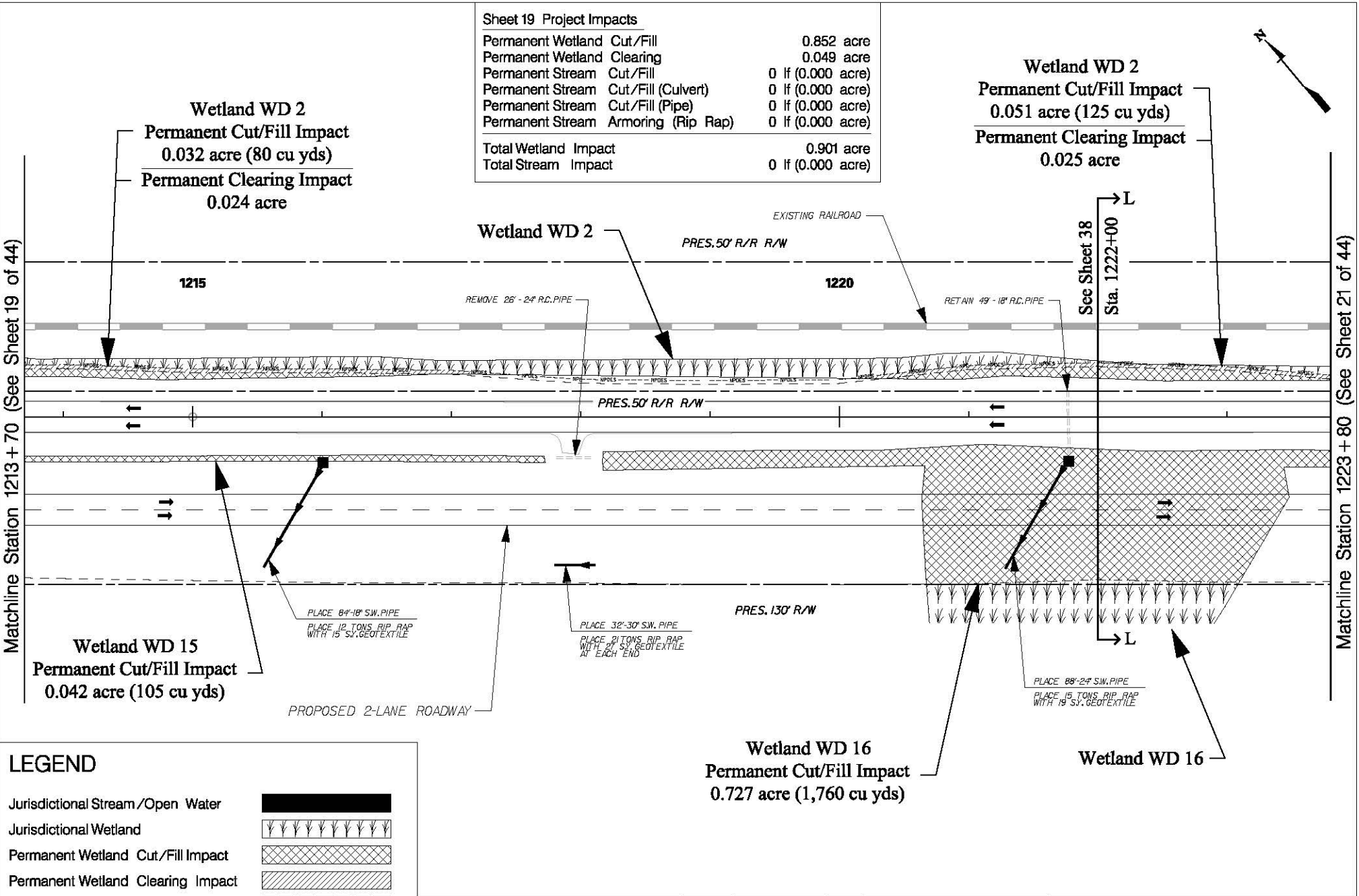
Wetland WD 2
Permanent Cut/Fill Impact
0.032 acre (80 cu yds)
Permanent Clearing Impact
0.024 acre

Wetland WD 15
Permanent Cut/Fill Impact
0.042 acre (105 cu yds)

Wetland WD 16
Permanent Cut/Fill Impact
0.727 acre (1,760 cu yds)

Matchline Station 1213 + 70 (See Sheet 19 of 44)

Matchline Station 1223 + 80 (See Sheet 21 of 44)



LEGEND

Jurisdictional Stream/Open Water	
Jurisdictional Wetland	
Permanent Wetland Cut/Fill Impact	
Permanent Wetland Clearing Impact	
Permanent Stream Cut/Fill Impact	
Permanent Stream Rip Rap Impact	
Construction Limits	
NPDES Limits	
Property Line	

PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com
 Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			

APPLICATION BY:
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 WATERS OF THE U.S. IMPACTS SHT. 20 OF 44

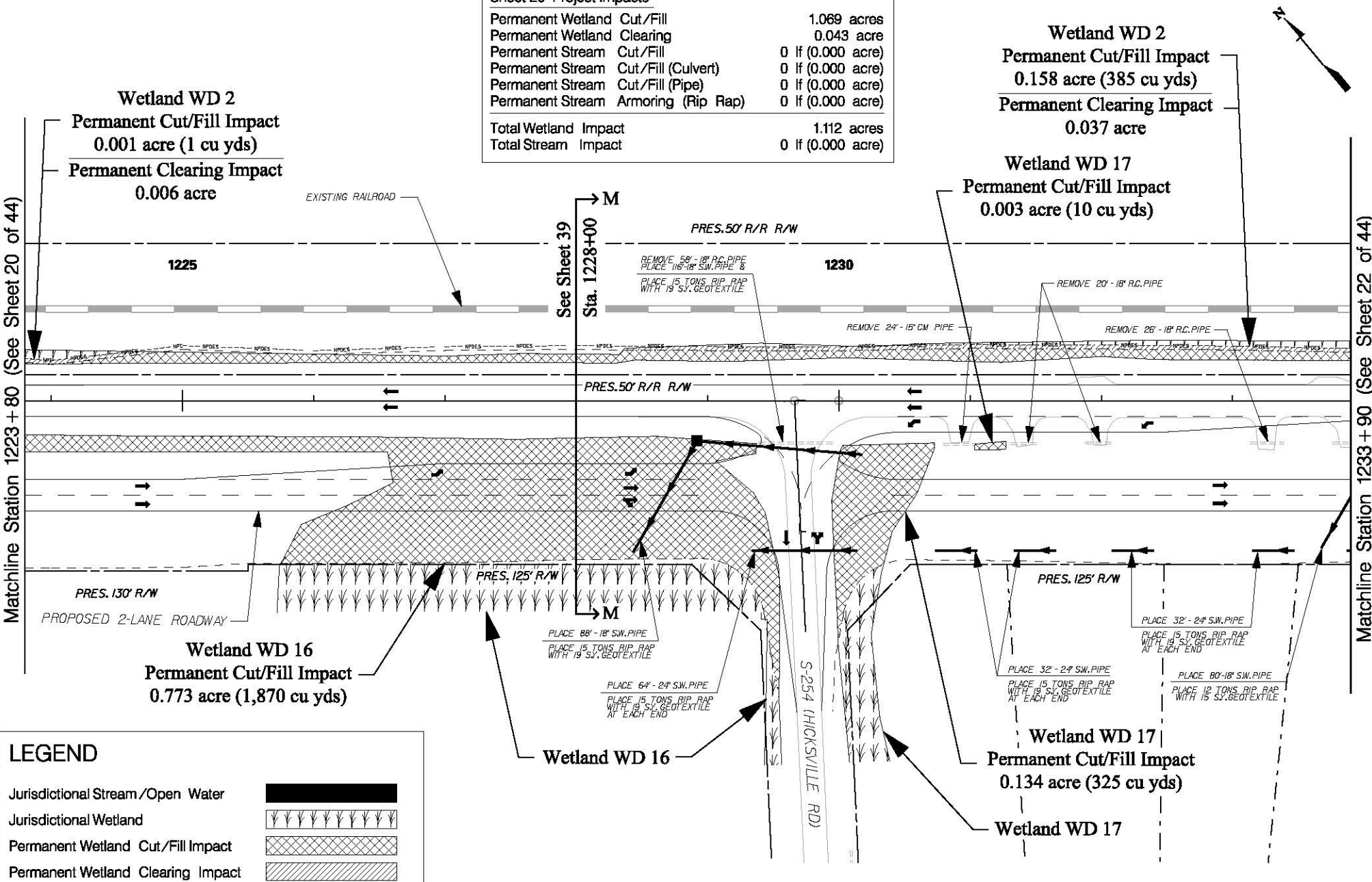


Sheet 20 Project Impacts

Permanent Wetland	Cut/Fill	1.069	acres
Permanent Wetland	Clearing	0.043	acre
Permanent Stream	Cut/Fill	0	lf (0.000 acre)
Permanent Stream	Cut/Fill (Culvert)	0	lf (0.000 acre)
Permanent Stream	Cut/Fill (Pipe)	0	lf (0.000 acre)
Permanent Stream	Armoring (Rip Rap)	0	lf (0.000 acre)
Total Wetland Impact		1.112	acres
Total Stream Impact		0	lf (0.000 acre)

Matchline Station 1223 + 80 (See Sheet 20 of 44)

Matchline Station 1233 + 90 (See Sheet 22 of 44)



LEGEND

- Jurisdictional Stream/Open Water
- Jurisdictional Wetland
- Permanent Wetland Cut/Fill Impact
- Permanent Wetland Clearing Impact
- Permanent Stream Cut/Fill Impact
- Permanent Stream Rip Rap Impact
- Construction Limits
- NPDES Limits
- Property Line

PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402 RD-01 USACE SAC: 2012-841-DJM			

APPLICATION BY:
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 WATERS OF THE U.S. IMPACTS SHT. 21 OF 44



Date: 6/17/2014

Sheet 21 Project Impacts		
Permanent Wetland	Cut/Fill	0.085 acre
Permanent Wetland	Clearing	0.065 acre
Permanent Stream	Cut/Fill	0 lf (0.000 acre)
Permanent Stream	Cut/Fill (Culvert)	0 lf (0.000 acre)
Permanent Stream	Cut/Fill (Pipe)	0 lf (0.000 acre)
Permanent Stream	Armoring (Rip Rap)	0 lf (0.000 acre)
Total Wetland Impact		0.150 acre
Total Stream Impact		0 lf (0.000 acre)

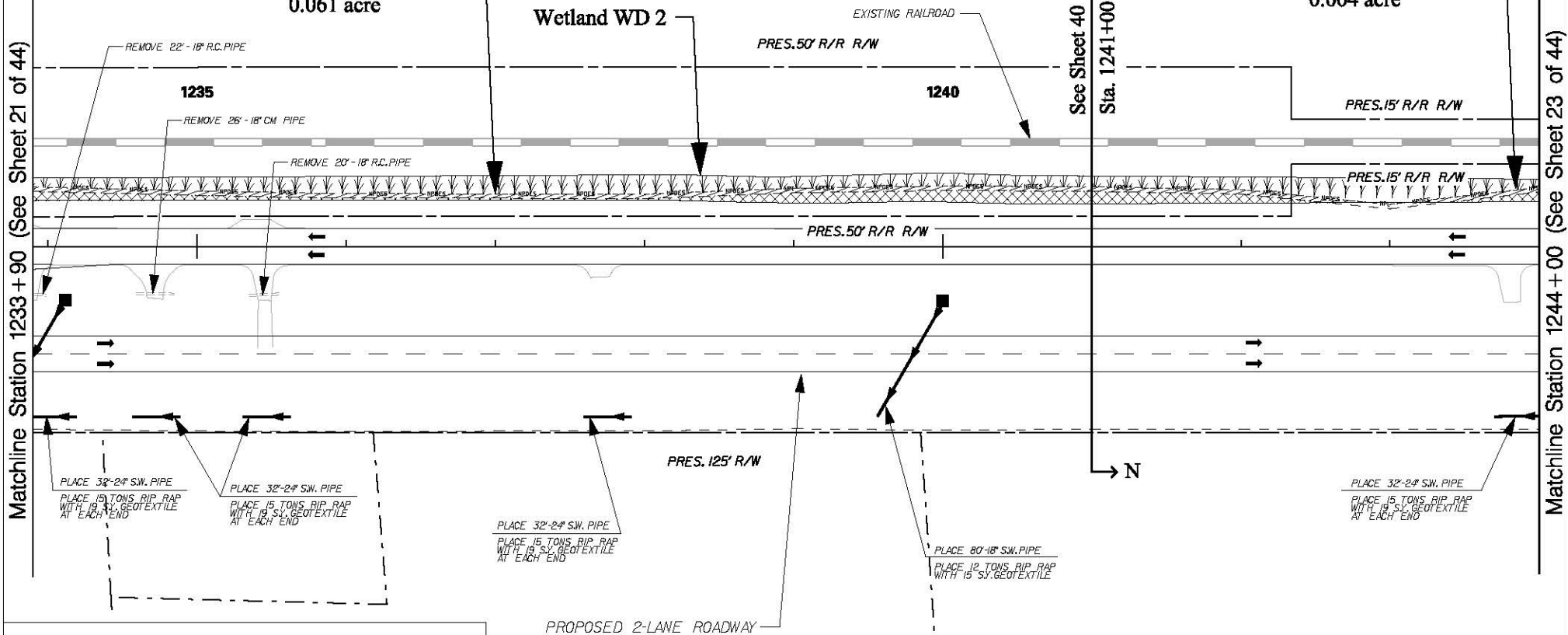


Wetland WD 2
Permanent Cut/Fill Impact
0.080 acre (195 cu yds)
Permanent Clearing Impact
0.061 acre

Wetland WD 2
Permanent Cut/Fill Impact
0.005 acre (10 cu yds)
Permanent Clearing Impact
0.004 acre

Matchline Station 1233+90 (See Sheet 21 of 44)

Matchline Station 1244+00 (See Sheet 23 of 44)



LEGEND

Jurisdictional Stream/Open Water	
Jurisdictional Wetland	
Permanent Wetland Cut/Fill Impact	
Permanent Wetland Clearing Impact	
Permanent Stream Cut/Fill Impact	
Permanent Stream Rip Rap Impact	
Construction Limits	
NPDES Limits	
Property Line	

PREPARED BY:

 Stantec Consulting
 2127 Ayrsey Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com
 Date: 6/17/2014

Rev. No.	Date	By	Description of Revision
4			
3			
2			
1			

Stantec Project Number: 175613043
 SCDOT PIN: 41402_RD-01
 USACE SAC: 2012-841-DJM

SCALE IN FEET

APPLICATION BY:
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 WATERS OF THE U.S. IMPACTS SHT. 22 OF 44

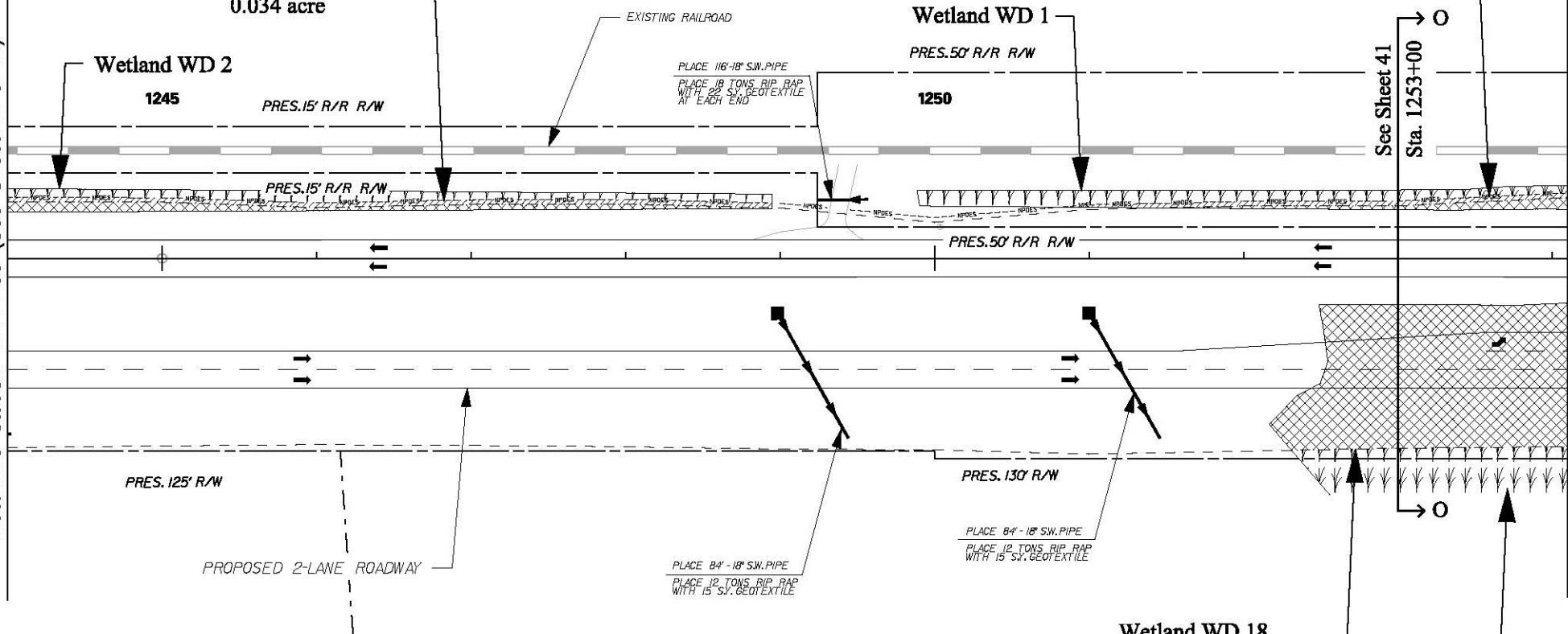
Sheet 22 Project Impacts		
Permanent Wetland Cut/Fill		0.421 acre
Permanent Wetland Clearing		0.055 acre
Permanent Stream Cut/Fill		0 lf (0.000 acre)
Permanent Stream Cut/Fill (Culvert)		0 lf (0.000 acre)
Permanent Stream Cut/Fill (Pipe)		0 lf (0.000 acre)
Permanent Stream Armoring (Rip Rap)		0 lf (0.000 acre)
Total Wetland Impact		0.476 acre
Total Stream Impact		0 lf (0.000 acre)

Wetland WD 2
 Permanent Cut/Fill Impact
 0.042 acre (105 cu yds)
 Permanent Clearing Impact
 0.034 acre

Wetland WD 1
 Permanent Cut/Fill Impact
 0.019 acre (45 cu yds)
 Permanent Clearing Impact
 0.021 acre

Matchline Station 1244+00 (See Sheet 22 of 44)

Matchline Station 1254+10 (See Sheet 24 of 44)



LEGEND

- Jurisdictional Stream/Open Water
- Jurisdictional Wetland
- Permanent Wetland Cut/Fill Impact
- Permanent Wetland Clearing Impact
- Permanent Stream Cut/Fill Impact
- Permanent Stream Rip Rap Impact
- Construction Limits
- NPDES Limits
- Property Line

PREPARED BY:



Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY:



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)

HAMPTON COUNTY, SOUTH CAROLINA

WATERS OF THE U.S. IMPACTS

SHT. 23 OF 44

Sheet 23 Project Impacts

Permanent Wetland Cut/Fill	0.890 acre
Permanent Wetland Clearing	0.068 acre
Permanent Stream Cut/Fill	93 lf (0.018 acre)
Permanent Stream Cut/Fill (Culvert)	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Pipe)	0 lf (0.000 acre)
Permanent Stream Armoring (Rip Rap)	0 lf (0.000 acre)
Total Wetland Impact	0.958 acre
Total Stream Impact	93 lf (0.018 acre)

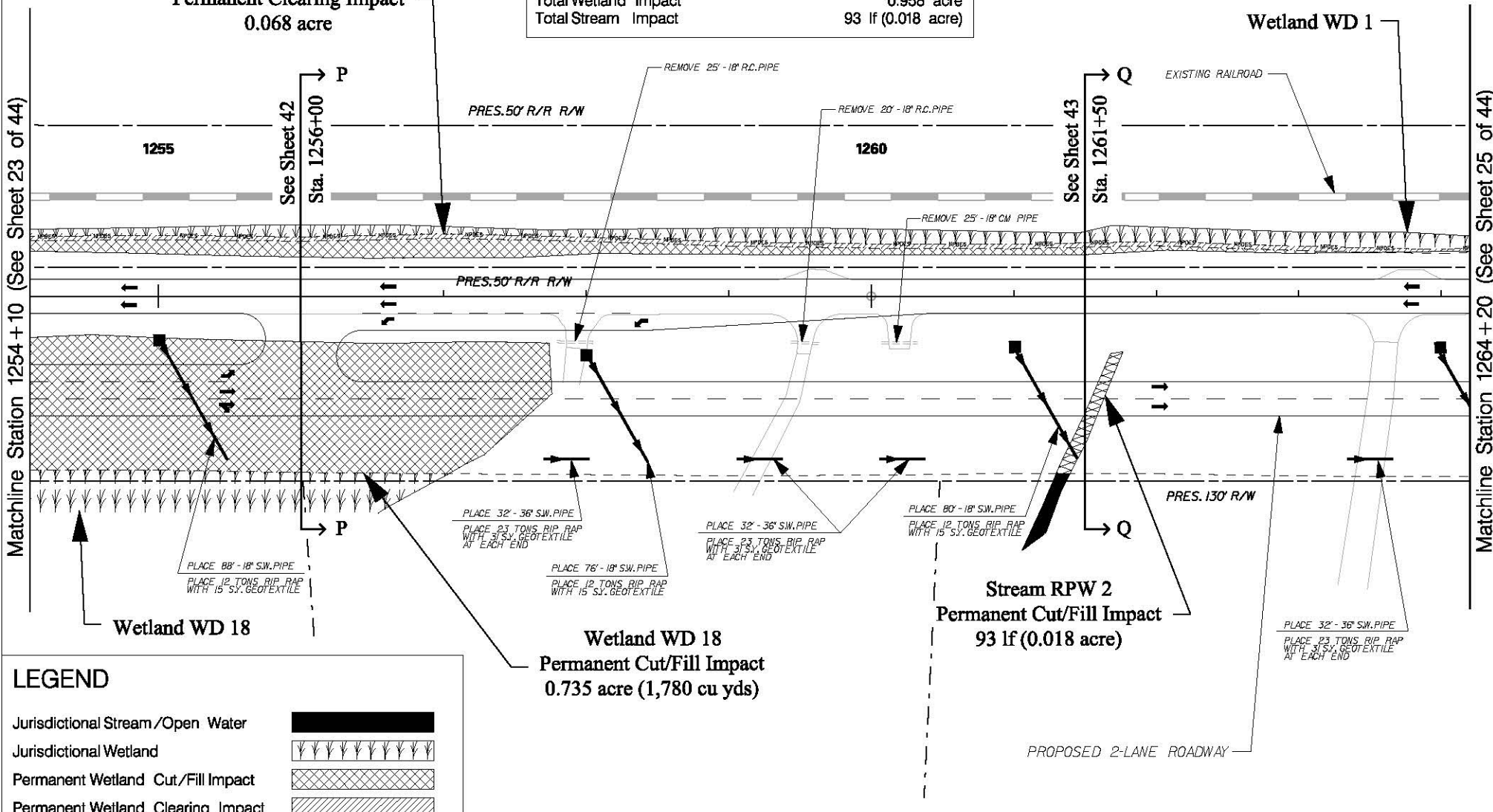


Wetland WD 1
Permanent Cut/Fill Impact
 0.155 acre (375 cu yds)
Permanent Clearing Impact
 0.068 acre

Wetland WD 1

Matchline Station 1254+10 (See Sheet 23 of 44)

Matchline Station 1264+20 (See Sheet 25 of 44)



LEGEND

- Jurisdictional Stream/Open Water
- Jurisdictional Wetland
- Permanent Wetland Cut/Fill Impact
- Permanent Wetland Clearing Impact
- Permanent Stream Cut/Fill Impact
- Permanent Stream Rip Rap Impact
- Construction Limits
- NPDES Limits
- Property Line

Wetland WD 18
Permanent Cut/Fill Impact
 0.735 acre (1,780 cu yds)

Stream RPW 2
Permanent Cut/Fill Impact
 93 lf (0.018 acre)

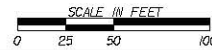
PREPARED BY:



Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY:



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)

HAMPTON COUNTY, SOUTH CAROLINA

WATERS OF THE U.S. IMPACTS

SHT. 24 OF 44

Sheet 24 Project Impacts

Permanent Wetland Cut/Fill	0.037 acre
Permanent Wetland Clearing	0.034 acre
Permanent Stream Cut/Fill	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Culvert)	0 lf (0.000 acre)
Permanent Stream Cut/Fill (Pipe)	0 lf (0.000 acre)
Permanent Stream Armoring (Rip Rap)	0 lf (0.000 acre)
Total Wetland Impact	0.071 acre
Total Stream Impact	0 lf (0.000 acre)

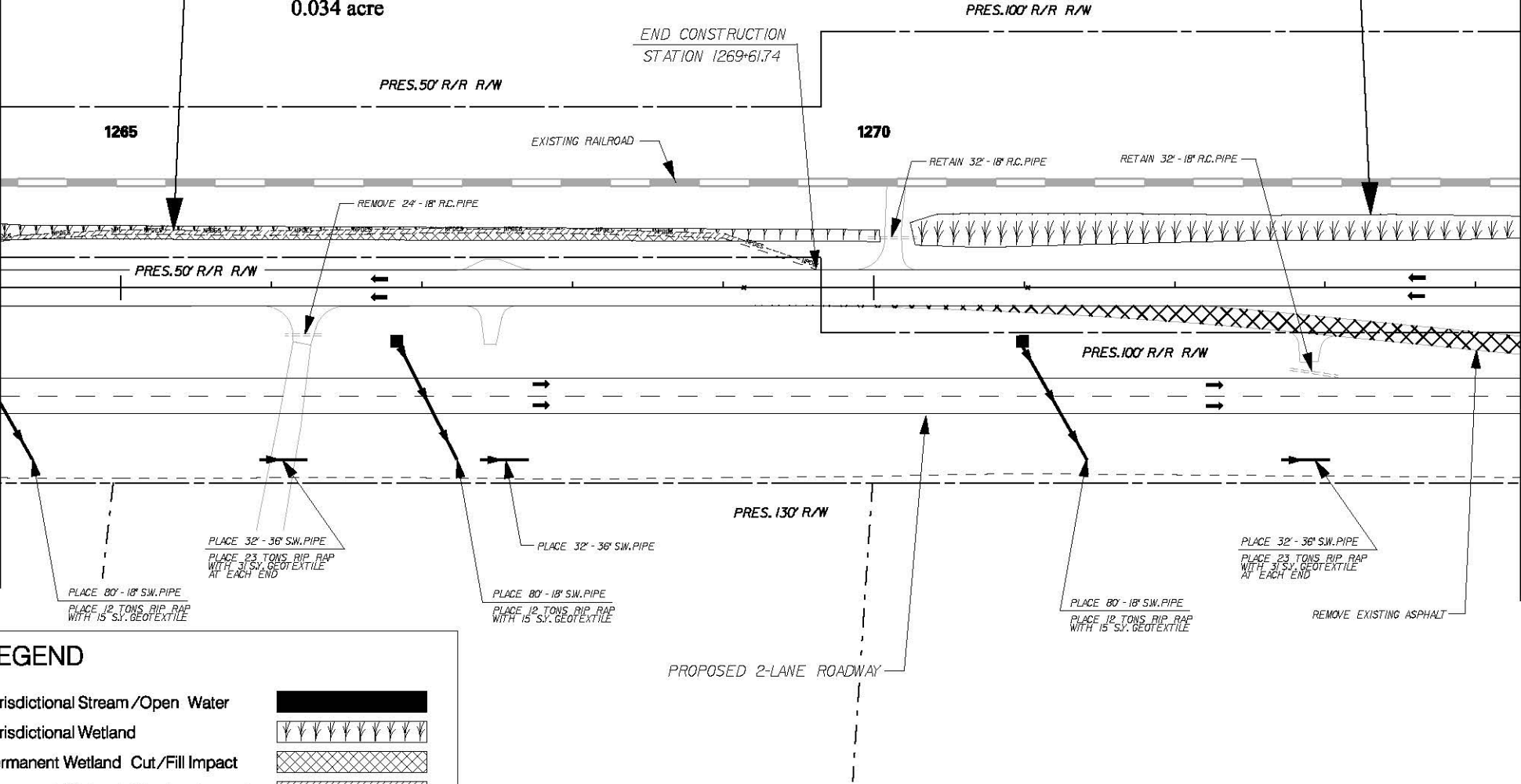


Matchline Station 1264 + 20 (See Sheet 24 of 44)

Matchline Station 1274 + 30 (See Sheet 26 of 44)

Wetland WD 1
Permanent Cut/Fill Impact
 0.037 acre (90 cu yds)
Permanent Clearing Impact
 0.034 acre

Wetland WD 1



LEGEND

Jurisdictional Stream/Open Water	
Jurisdictional Wetland	
Permanent Wetland Cut/Fill Impact	
Permanent Wetland Clearing Impact	
Permanent Stream Cut/Fill Impact	
Permanent Stream Rip Rap Impact	
Construction Limits	
NPDES Limits	
Property Line	

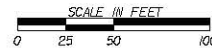
PREPARED BY:



Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY:



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)

HAMPTON COUNTY, SOUTH CAROLINA

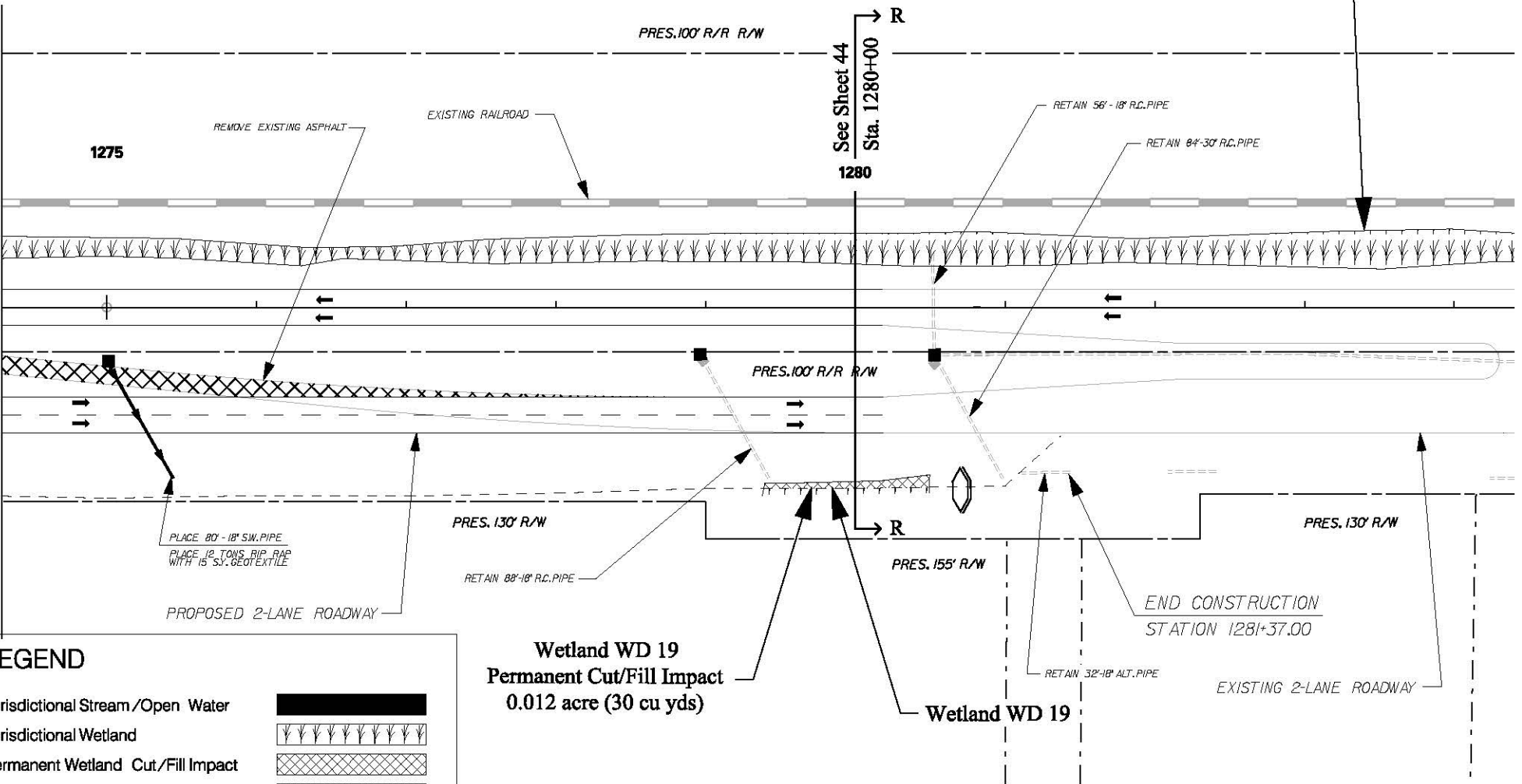
WATERS OF THE U.S. IMPACTS

SHT. 25 OF 44

Sheet 25 Project Impacts		
Permanent Wetland Cut/Fill		0.012 acre
Permanent Wetland Clearing		0.000 acre
Permanent Stream Cut/Fill		0 lf (0.000 acre)
Permanent Stream Cut/Fill (Culvert)		0 lf (0.000 acre)
Permanent Stream Cut/Fill (Pipe)		0 lf (0.000 acre)
Permanent Stream Armoring (Rip Rap)		0 lf (0.000 acre)
Total Wetland Impact		0.012 acre
Total Stream Impact		0 lf (0.000 acre)



Matchline Station 1274+30 (See Sheet 25 of 44)



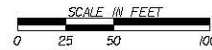
LEGEND

- Jurisdictional Stream/Open Water
- Jurisdictional Wetland
- Permanent Wetland Cut/Fill Impact
- Permanent Wetland Clearing Impact
- Permanent Stream Cut/Fill Impact
- Permanent Stream Rip Rap Impact
- Construction Limits
- NPDES Limits
- Property Line

PREPARED BY:
Stantec
 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

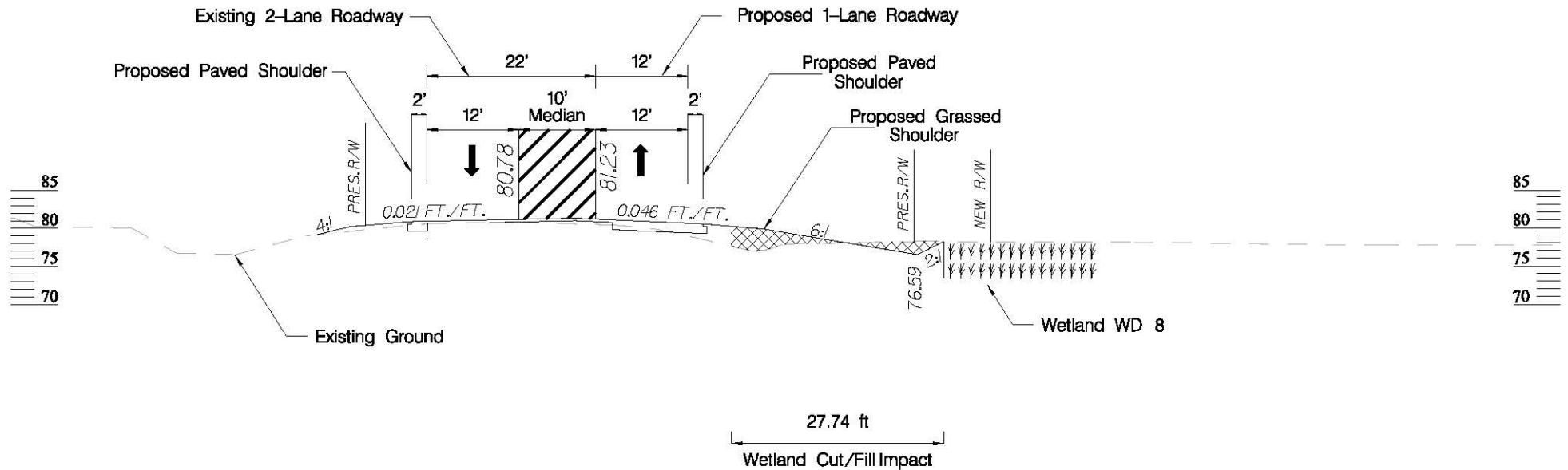
Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043			
SCDOT PIN: 41402_RD-01			
USACE SAC: 2012-841-DJM			



APPLICATION BY: **SCDOT**
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 WATERS OF THE U.S. IMPACTS SHT. 26 OF 44

SC 68 (Yemassee Highway) Section A Station 1127+00



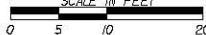
PREPARED BY:


 Stantec Consulting
 2127 Ayrsey Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

Rev. No.	Date	By	Description of Revision
4			
3			
2			
1			

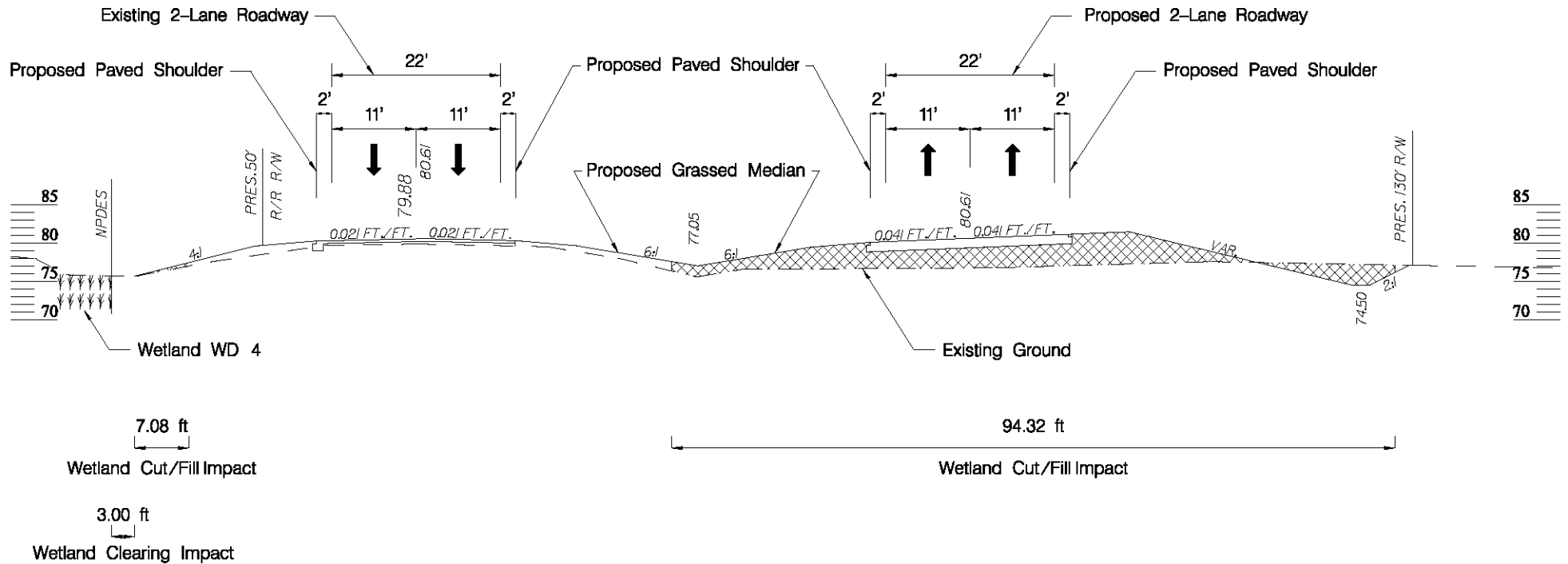
Stantec Project Number: 175613043
 SCDOT PIN: 41402_RD-01
 USACE SAC: 2012-841-DJM

SCALE IN FEET


APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA

CROSS SECTION SHT. 27 OF 44

SC 68 (Yemassee Highway) Section B Station 1136+00

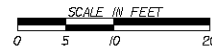



PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

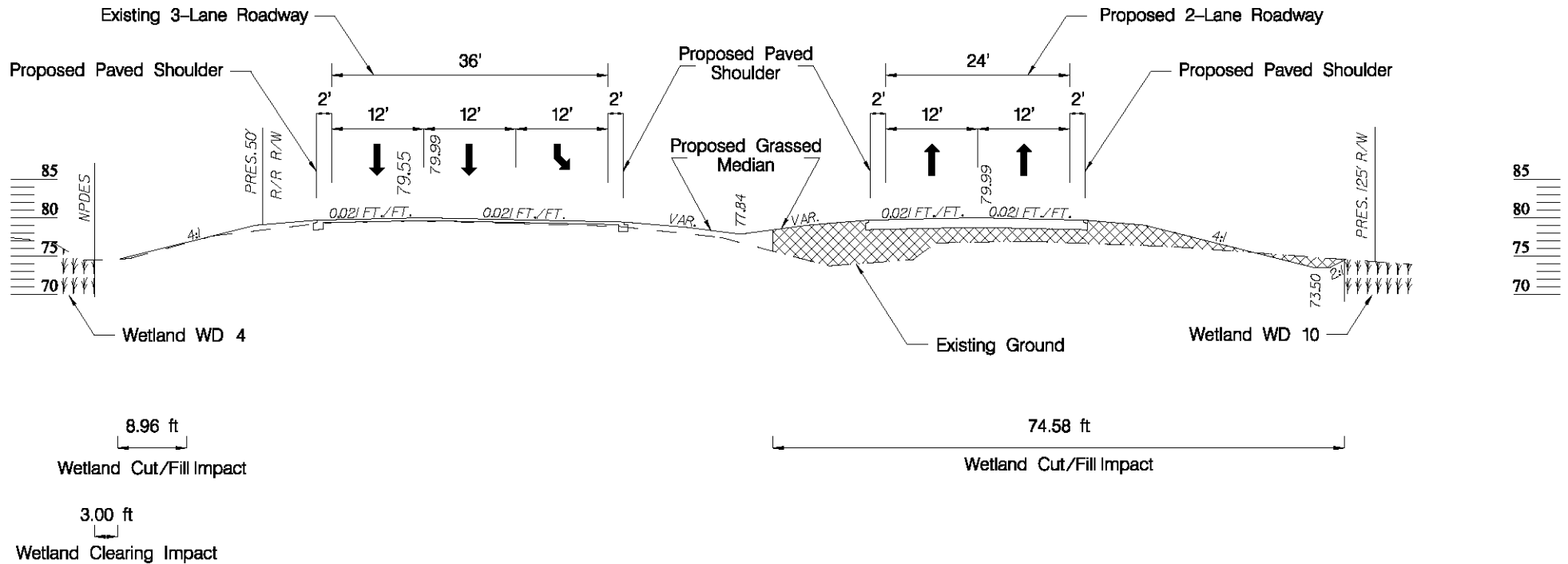
Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 CROSS SECTION SHT. 28 OF 44

SC 68 (Yemassee Highway) Section C Station 1142+00

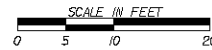



PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

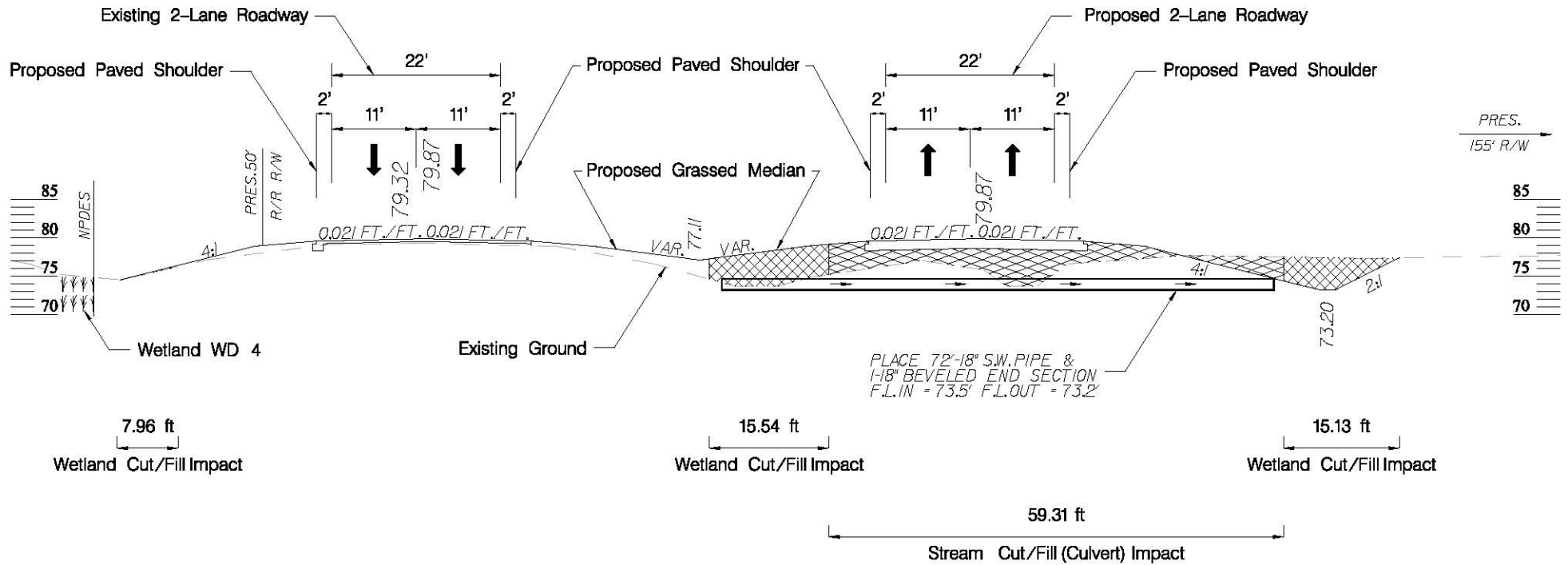
Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 CROSS SECTION SHT. 29 OF 44

SC 68 (Yemassee Highway) Section D Station 1145+10

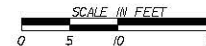



PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

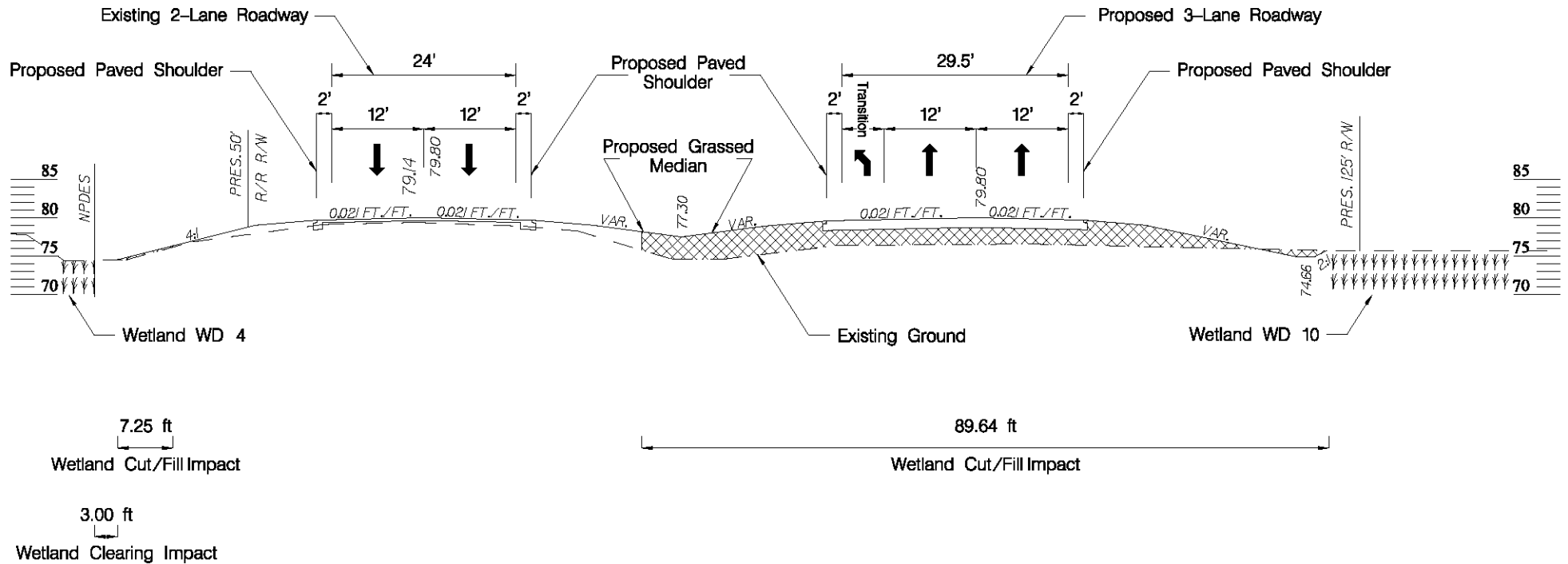
4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA

CROSS SECTION SHT. 30 OF 44

SC 68 (Yemassee Highway) Section E Station 1147+00

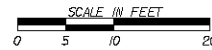



PREPARED BY:

Stantec
 Stantec Consulting
 2127 Ayrsey Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

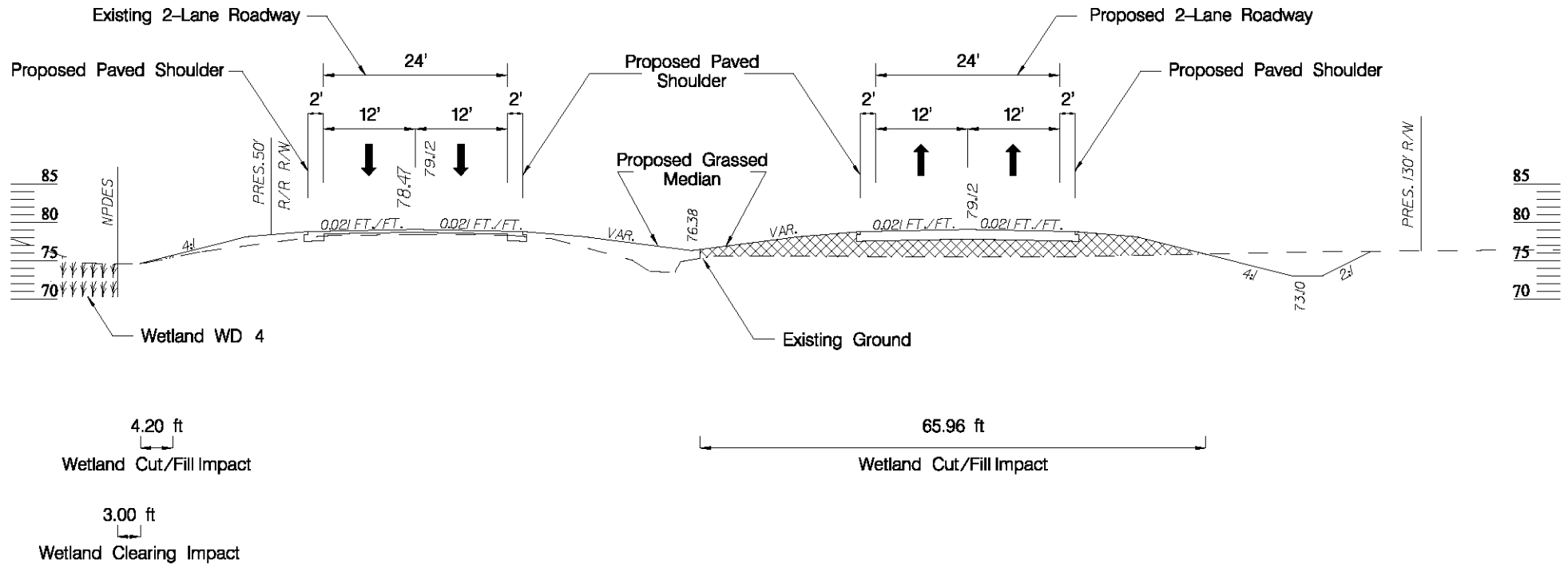
Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 CROSS SECTION SHT. 31 OF 44

SC 68 (Yemassee Highway) Section F Station 1161 + 00

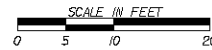



PREPARED BY:

Stantec
 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

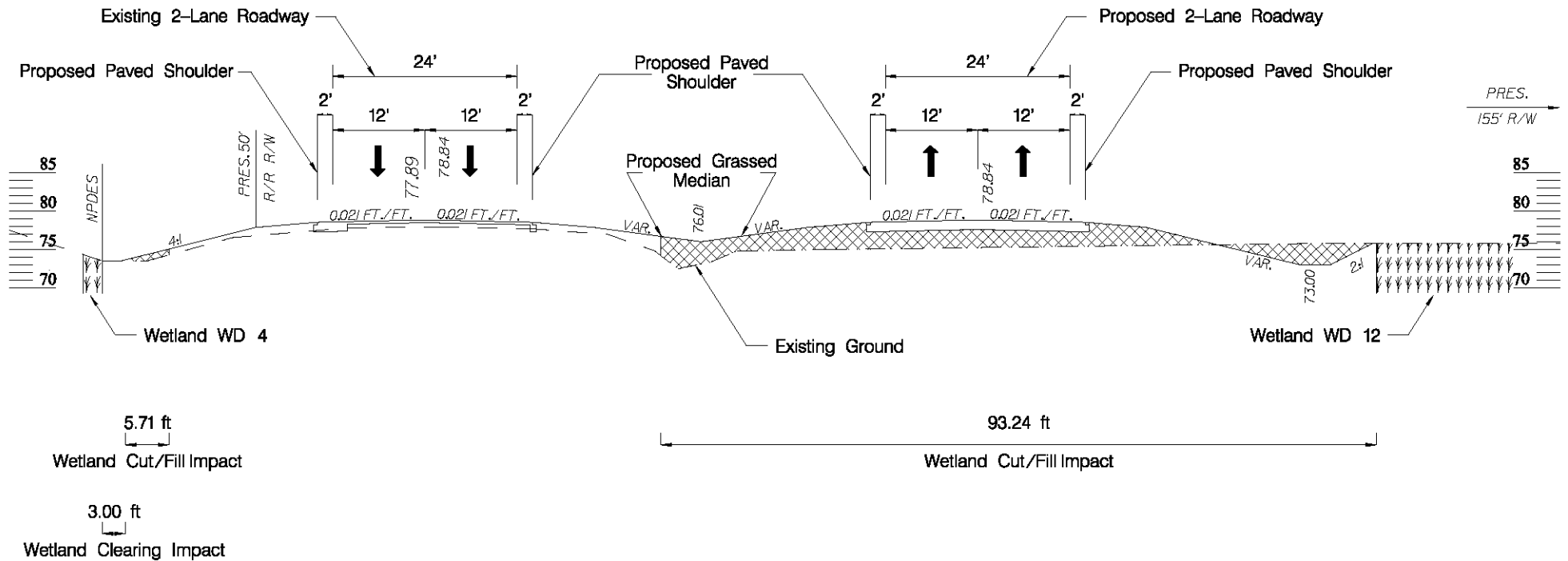
Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 CROSS SECTION SHT. 32 OF 44

SC 68 (Yemassee Highway) Section G Station 1166+00

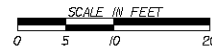



PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

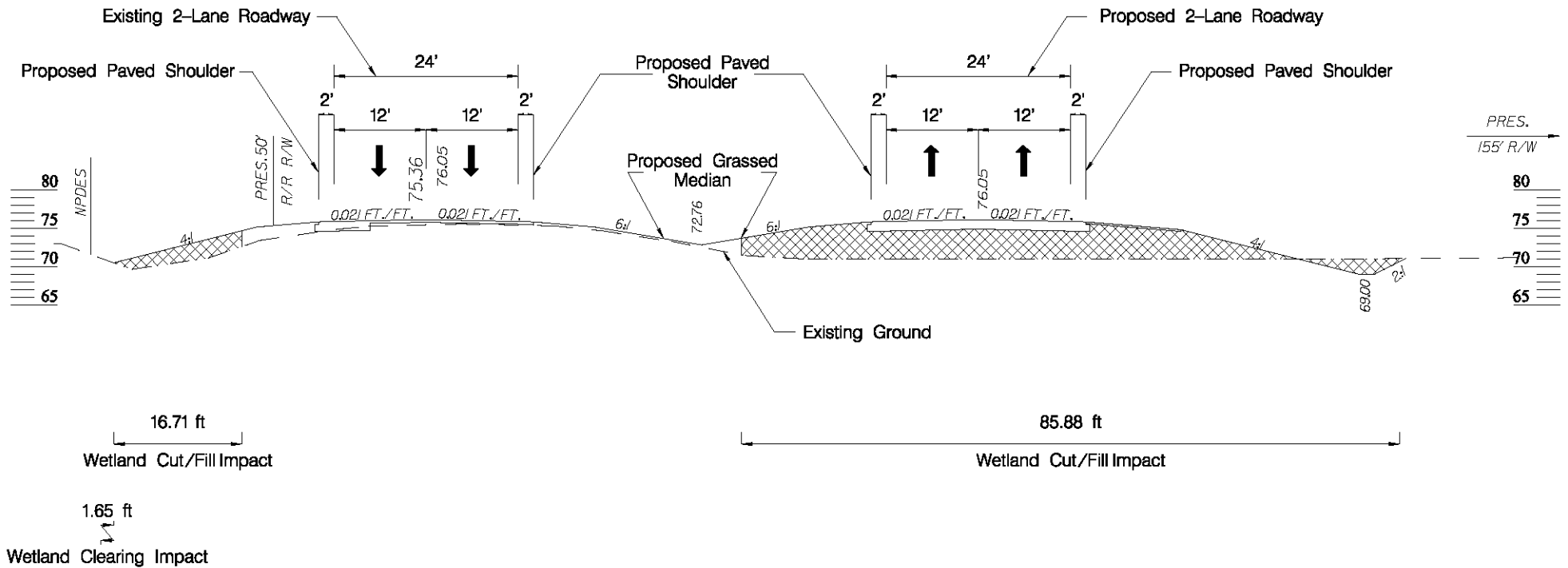
4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA

CROSS SECTION SHT. 33 OF 44

SC 68 (Yemassee Highway) Section H Station 1184 + 00

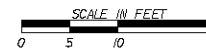



PREPARED BY:

 Stantec Consulting
 2127 Ayrsey Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

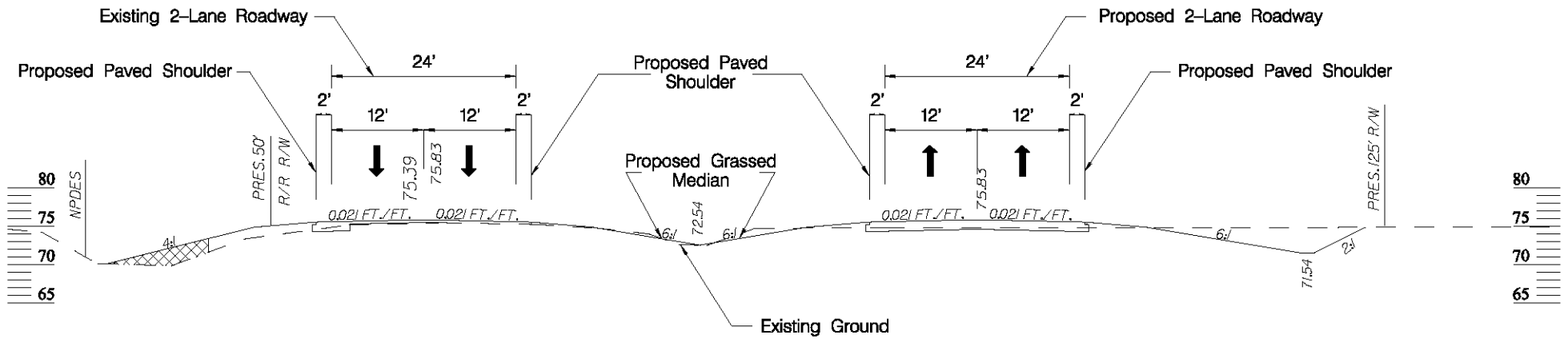
Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 CROSS SECTION SHT. 34 OF 44

SC 68 (Yemassee Highway) Section I Station 1191 + 00



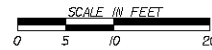
16.71 ft
Wetland Cut/Fill Impact


PREPARED BY:

 Stantec Consulting
 2127 Ayrsey Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

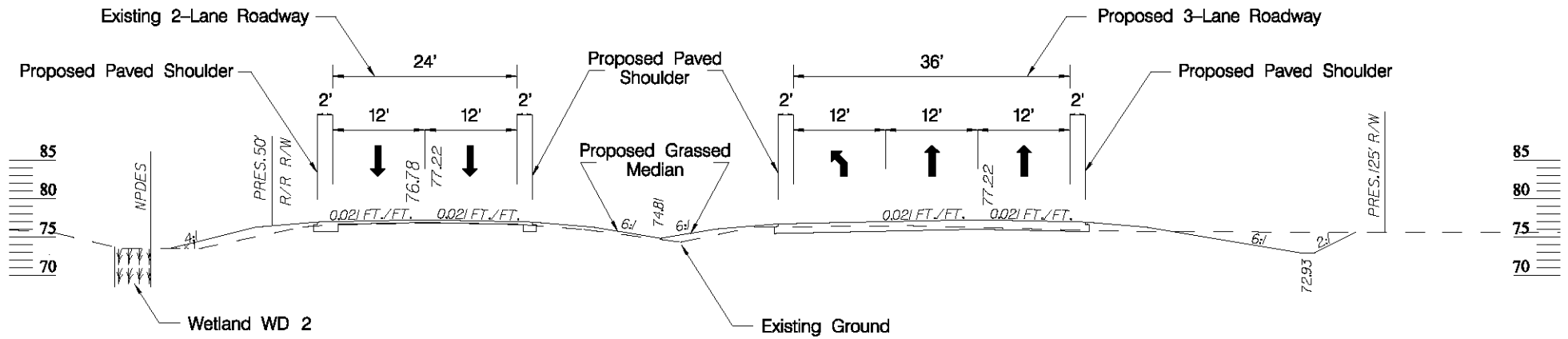
Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 CROSS SECTION SHT. 35 OF 44

SC 68 (Yemassee Highway) Section J Station 1196+00



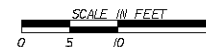
2.76 ft
Wetland Cut/Fill Impact

3.00 ft
Wetland Clearing Impact

PREPARED BY:
Stantec
Stantec Consulting
2127 Ayrsey Town Boulevard, Suite 300
Charlotte NC 28273
Tel. 704.329.0900
Fax. 704.329.0905
www.stantec.com

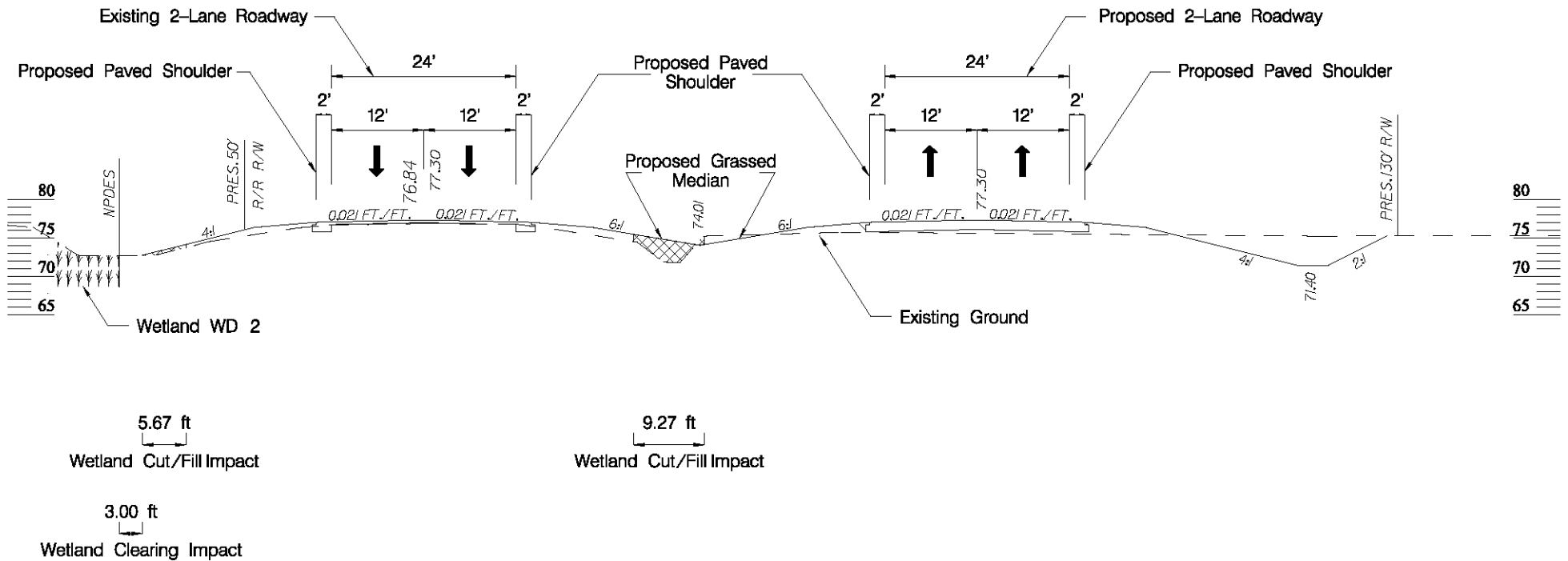
Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: **SCDOT**
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
SC ROUTE 68 (YEMASSEE HIGHWAY)
ROAD WIDENING PROJECT (PHASE II)
HAMPTON COUNTY, SOUTH CAROLINA
CROSS SECTION SHT. 36 OF 44

SC 68 (Yemassee Highway) Section K Station 1209 + 00

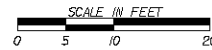



PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

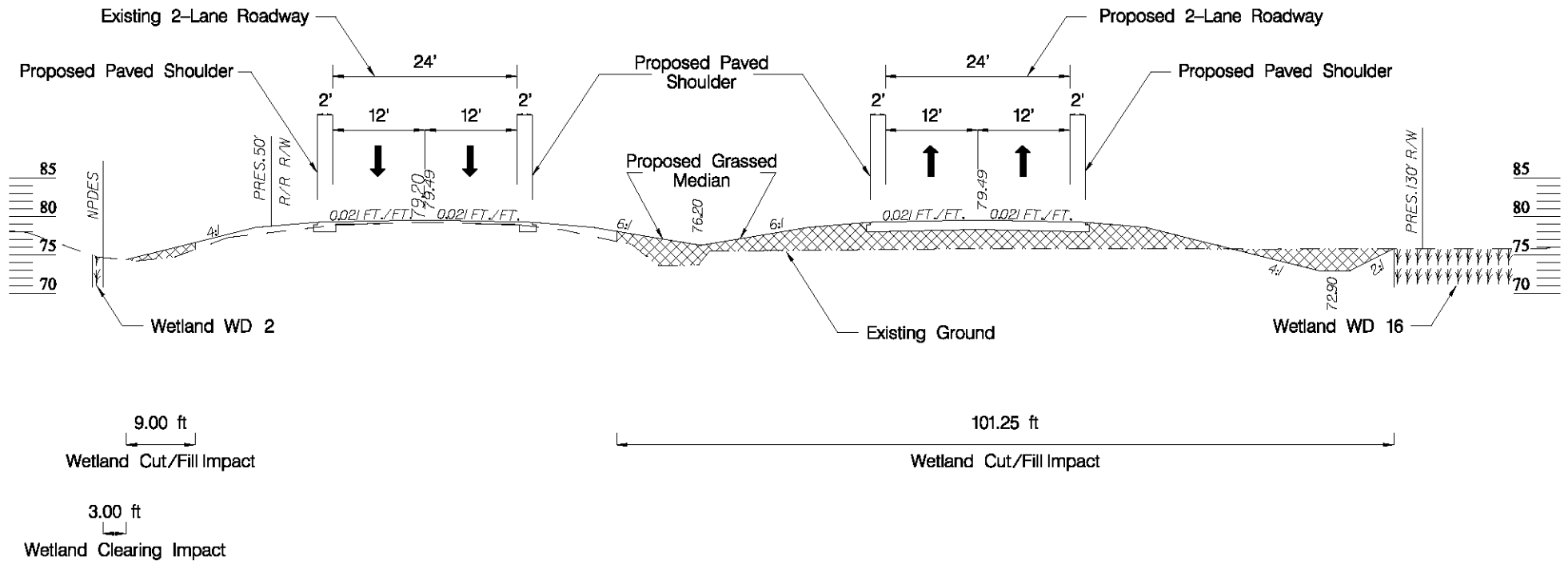
Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 CROSS SECTION SHT. 37 OF 44

SC 68 (Yemassee Highway) Section L Station 1222 + 00

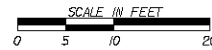



PREPARED BY:

 Stantec Consulting
 2127 Ayrsey Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

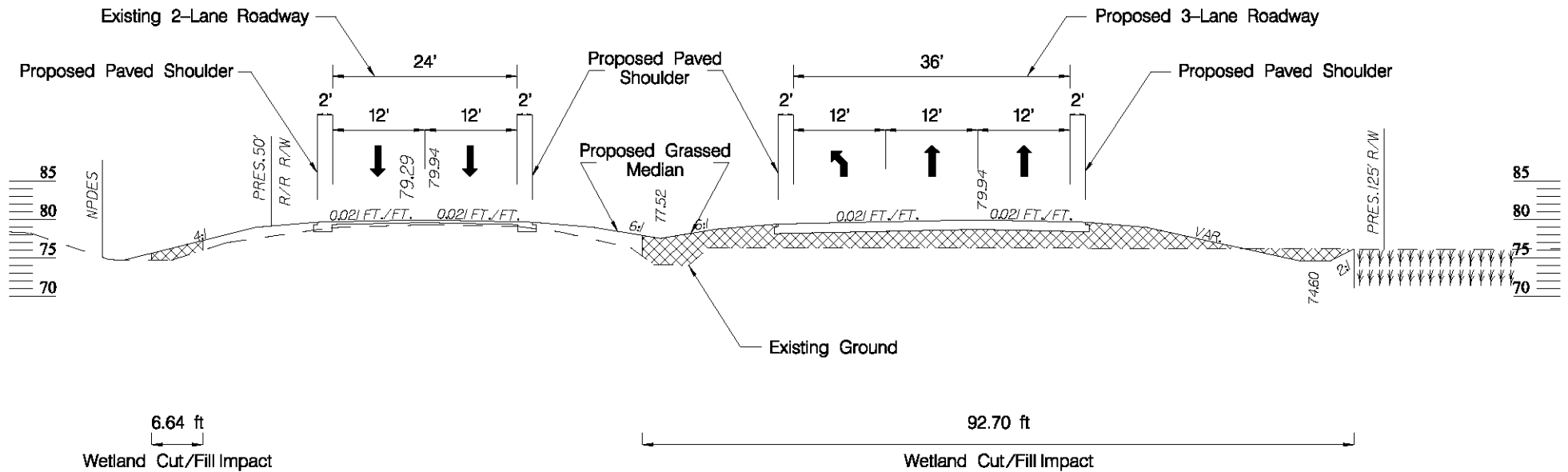
Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 CROSS SECTION SHT. 38 OF 44

SC 68 (Yemassee Highway) Section M Station 1228 + 00

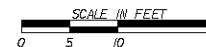



PREPARED BY:

 Stantec Consulting
 2127 Ayrsey Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

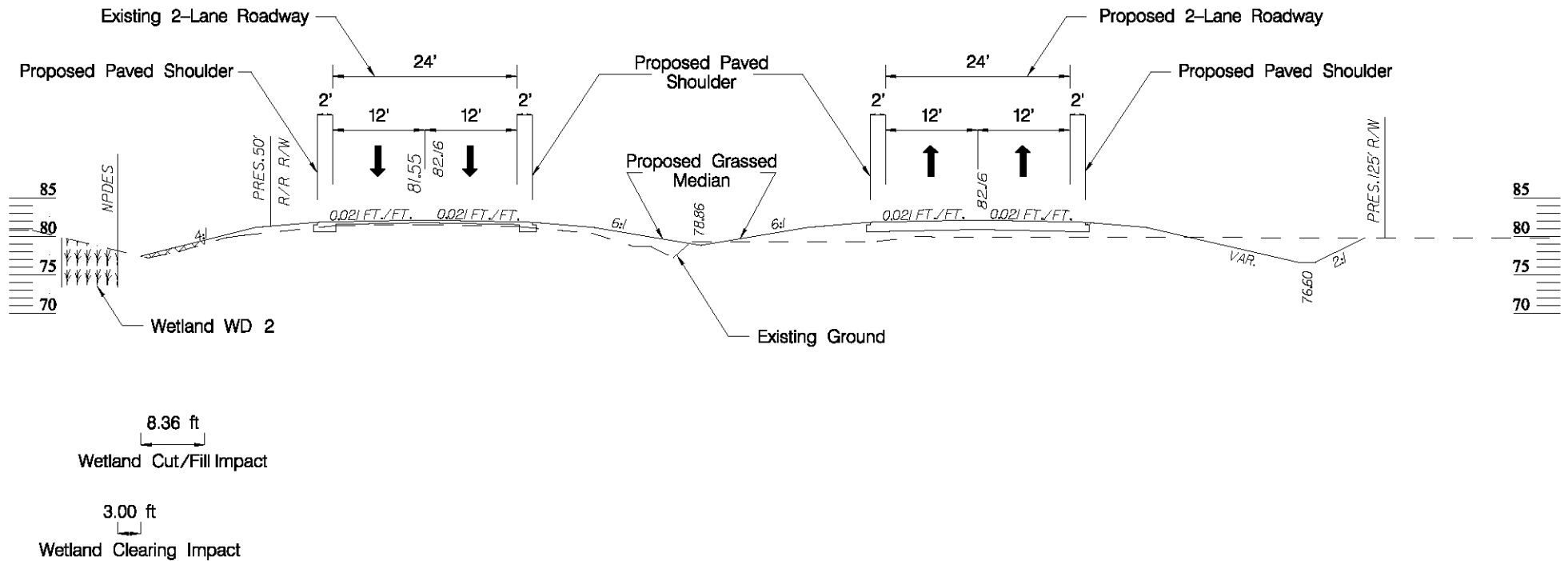
4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA

CROSS SECTION SHT. 39 OF 44

SC 68 (Yemassee Highway) Section N Station 1241+00

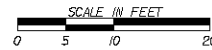



PREPARED BY:

 Stantec Consulting
 2127 Ayrsey Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

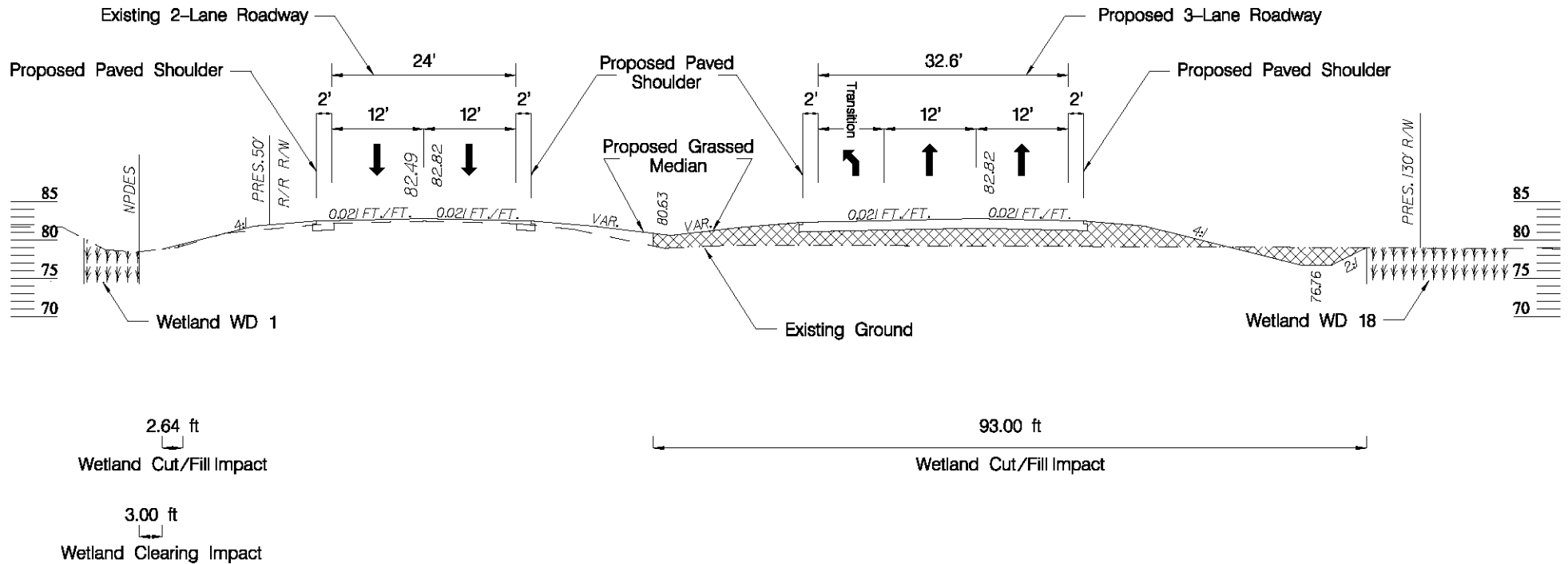
4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA

CROSS SECTION SHT. 40 OF 44

SC 68 (Yemassee Highway) Section O Station 1253 + 00

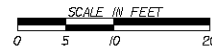



PREPARED BY:

 Stantec Consulting
 2127 Ayrsey Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

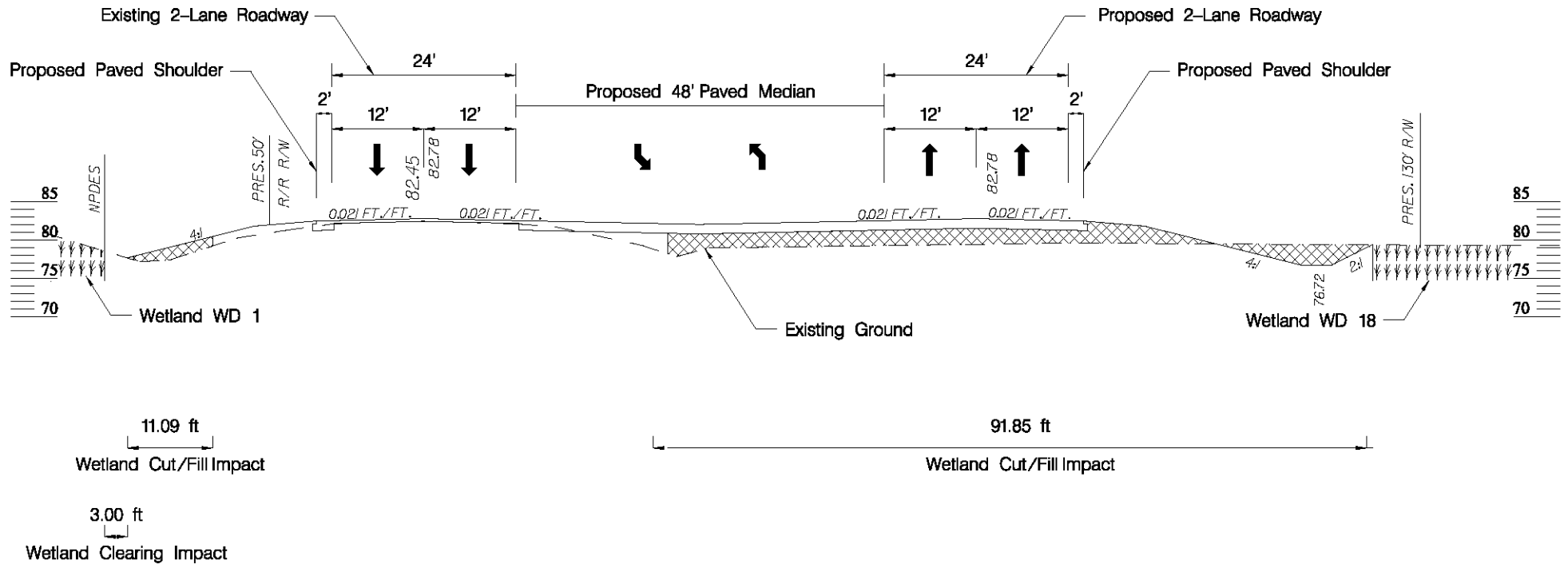
Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 CROSS SECTION SHT. 41 OF 44

SC 68 (Yemassee Highway) Section P Station 1256 + 00

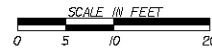



PREPARED BY:

 Stantec Consulting
 2127 Ayrley Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

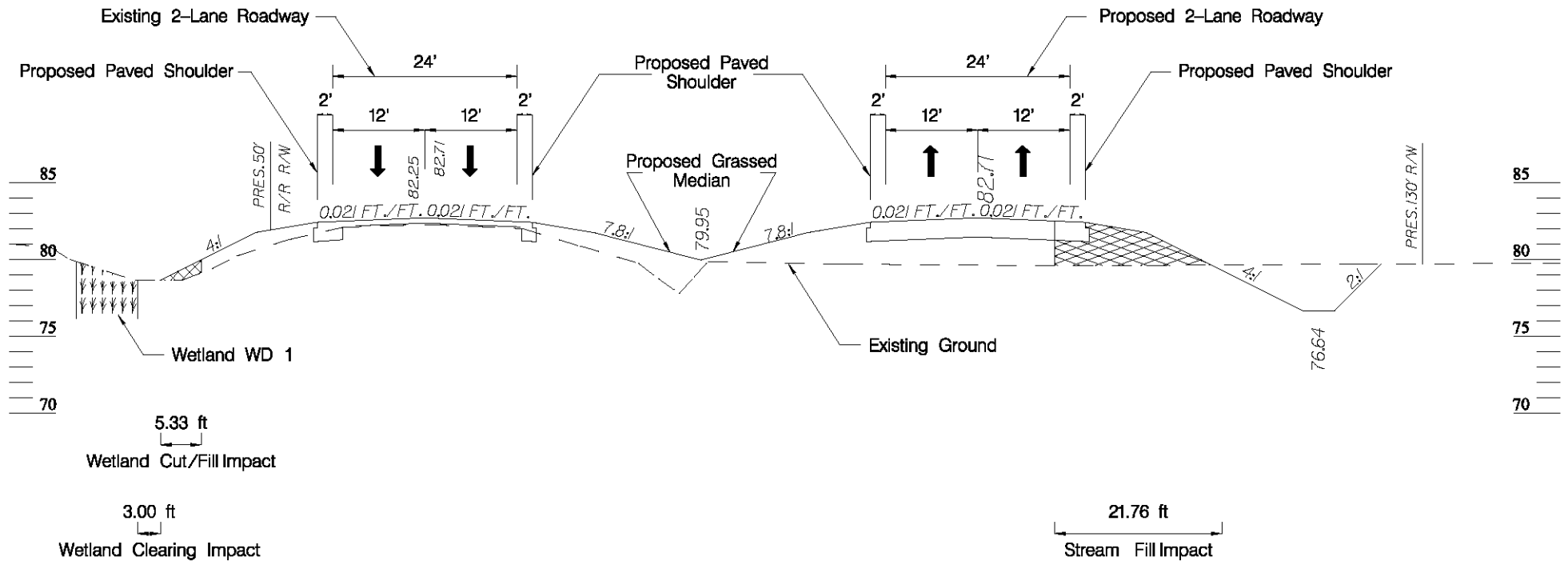
Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 CROSS SECTION SHT. 42 OF 44

SC 68 (Yemassee Highway) Section Q Station 1261+50

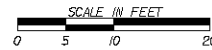



PREPARED BY:

Stantec
 Stantec Consulting
 2127 Ayrsey Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com

Date: 6/17/2014

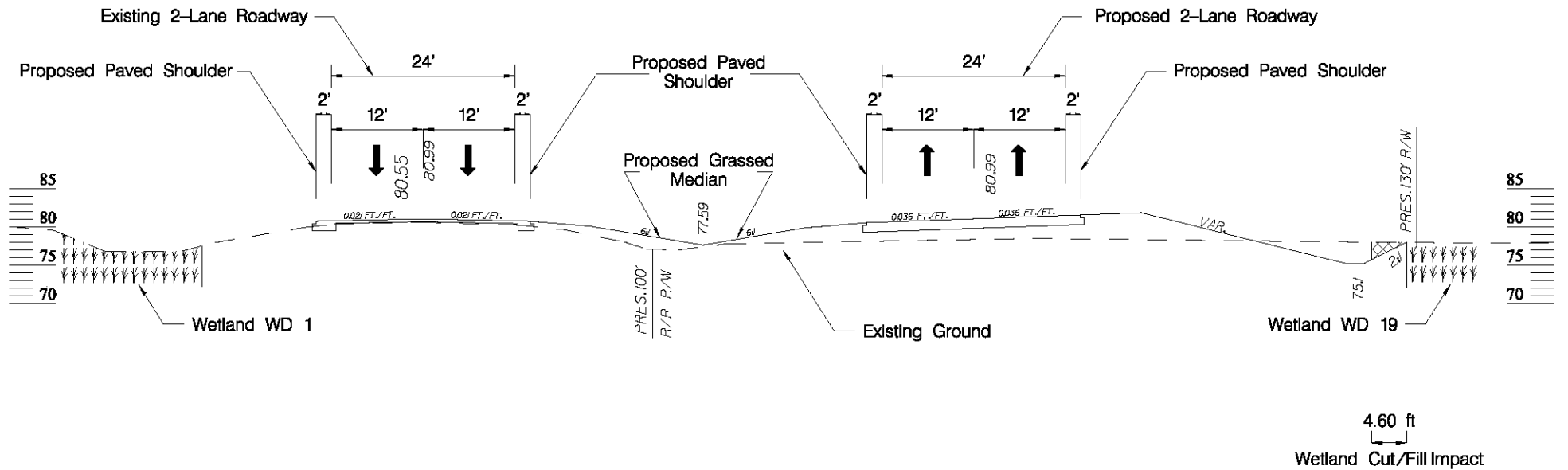
4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA

CROSS SECTION SHT. 43 OF 44

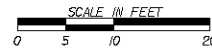
SC 68 (Yemassee Highway) Section R Station 1280 + 00




PREPARED BY:

 Stantec Consulting
 2127 Ayrsey Town Boulevard, Suite 300
 Charlotte NC 28273
 Tel. 704.329.0900
 Fax. 704.329.0905
 www.stantec.com
 Date: 6/17/2014

4			
3			
2			
1			
Rev. No.	Date	By	Description of Revision
Stantec Project Number: 175613043 SCDOT PIN: 41402_RD-01 USACE SAC: 2012-841-DJM			



APPLICATION BY: 
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 SC ROUTE 68 (YEMASSEE HIGHWAY)
 ROAD WIDENING PROJECT (PHASE II)
 HAMPTON COUNTY, SOUTH CAROLINA
 CROSS SECTION SHT. 44 OF 44