

JOINT
PUBLIC NOTICE

CHARLESTON DISTRICT, CORPS OF ENGINEERS
1949 Industrial Park Road, Room 140
Conway, South Carolina 29526

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 2004-31812-4E

15 AUGUST 2014

Pursuant to 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

DARLINGTON COUNTY
C/O MR. CHRIS FLOWERS
SEPI ENGINEERING & CONSTRUCTION
1025 WADE AVENUE
RALEIGH, NORTH CAROLINA 27605

for a permit to excavate and place fill in wetlands and an unnamed tributary of

STAR FORK BRANCH

at a location east of SC Highway 340, west of US Highway 52, south of the City of Darlington, Darlington County, South Carolina (Latitude 34.270765, Longitude -79.881624).

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 work consists of impacts to 1.11 acres of jurisdictional wetlands and 241 linear feet of jurisdictional tributaries for the construction of a detention basin. In detail, the proposed work consists of the placement of fill material within 0.2 acre of jurisdictional wetlands and the excavation of 0.91 acre of jurisdictional wetlands. Additionally, the applicant proposes to place riprap within 168 linear feet and to pipe 73 linear feet of a jurisdictional tributary. The purpose of the project, as stated by the applicant, is to "reduce flow volumes and protect downstream waters from erosive flows resulting from significant storm events within the [unnamed tributary] to Star Fork Branch watershed and within the non-jurisdictional ditches upstream of

the project area". This project is a portion of a larger project known as the South Darlington Watershed Project whose primary purpose is to alleviate persistent flooding in this region of the county. According to the applicant, impacts to the aquatic resources were unavoidable. Measures taken by the applicant to minimize impacts to the aquatic resources include relocating the access road to reduce the total fill acreage and hand-clearing wetlands instead of mechanized land-clearing. According to the wetland mitigation plan submitted by the applicant, 10.002 wetland mitigation credits are required to mitigate for impacts to 1.11 acres of jurisdictional wetlands. The applicant proposes to mitigate for the wetland impacts by placing a pre-determined amount within a non-interest bearing escrow account, which will be used to purchase credits from a USACE approved mitigation bank with a service area that encompasses the impacted watershed. If credits do not become available within an approved mitigation bank with a service area that includes the impacted watershed by June 1, 2016, the applicant proposes to provide the USACE with an alternate mitigation plan within 60 days. The applicant does not propose stream mitigation for the 241 linear feet of impacts and requests that the stream mitigation requirement be waived because the stream impacts are less than 300 linear feet.

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 1.12 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 District Engineer has consulted the most recently available information and has determined that the project is not likely to adversely affect any Federally endangered, threatened, or proposed species or 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.

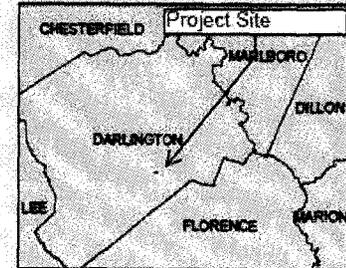
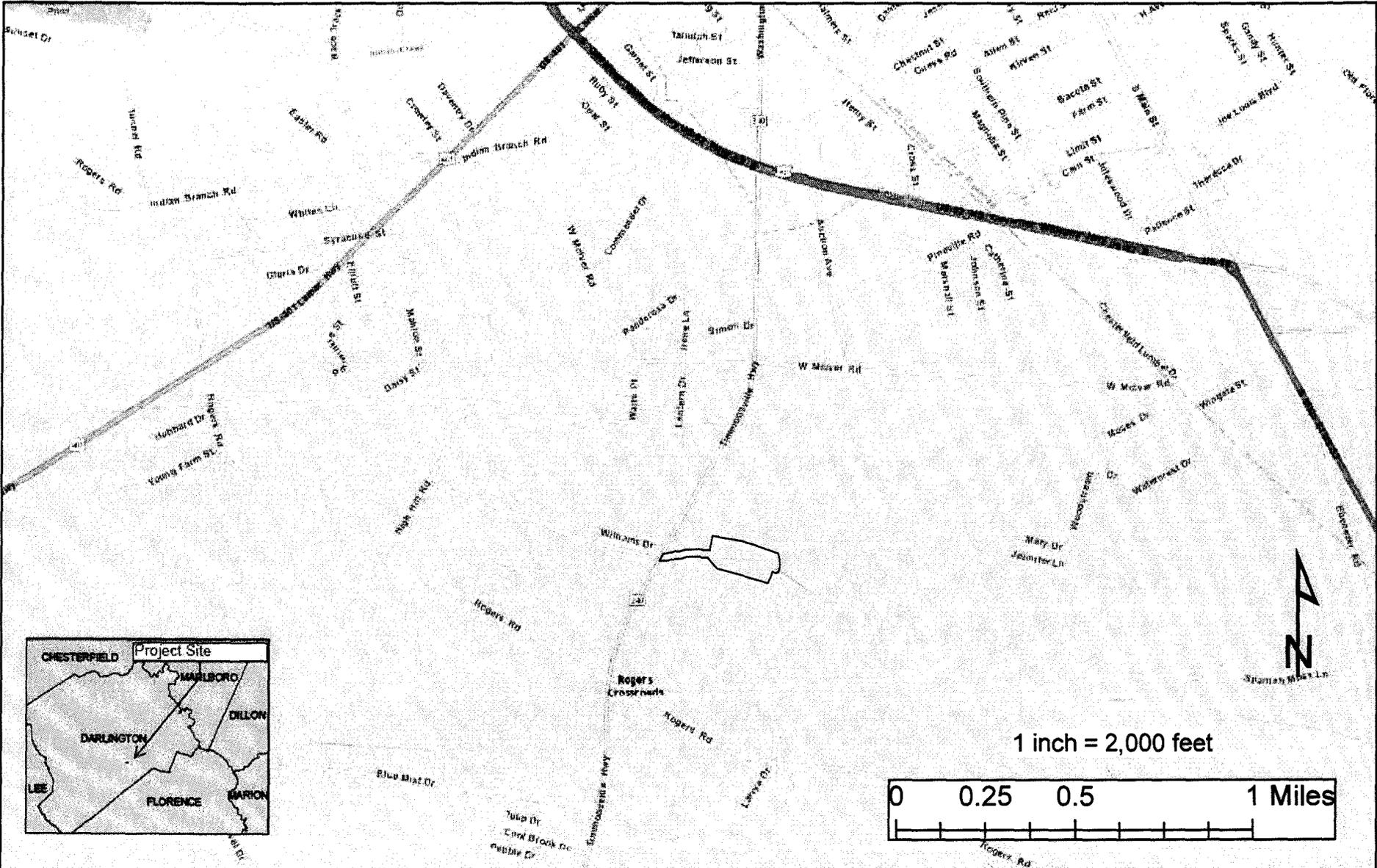
In accordance with the NHPA, the District Engineer has also consulted the latest published version of the National Register of Historic Places for the presence or absence of registered properties, or properties listed as being eligible for inclusion therein, and this worksite is not included as a registered 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 Ann Eaddy at 843-365-1709.



Legend

 Project Boundary

Sketch Prepared By:
 SEPI Engineering & Construction
 Chris Flowers
 1025 Wade Ave
 Raleigh, NC 27606

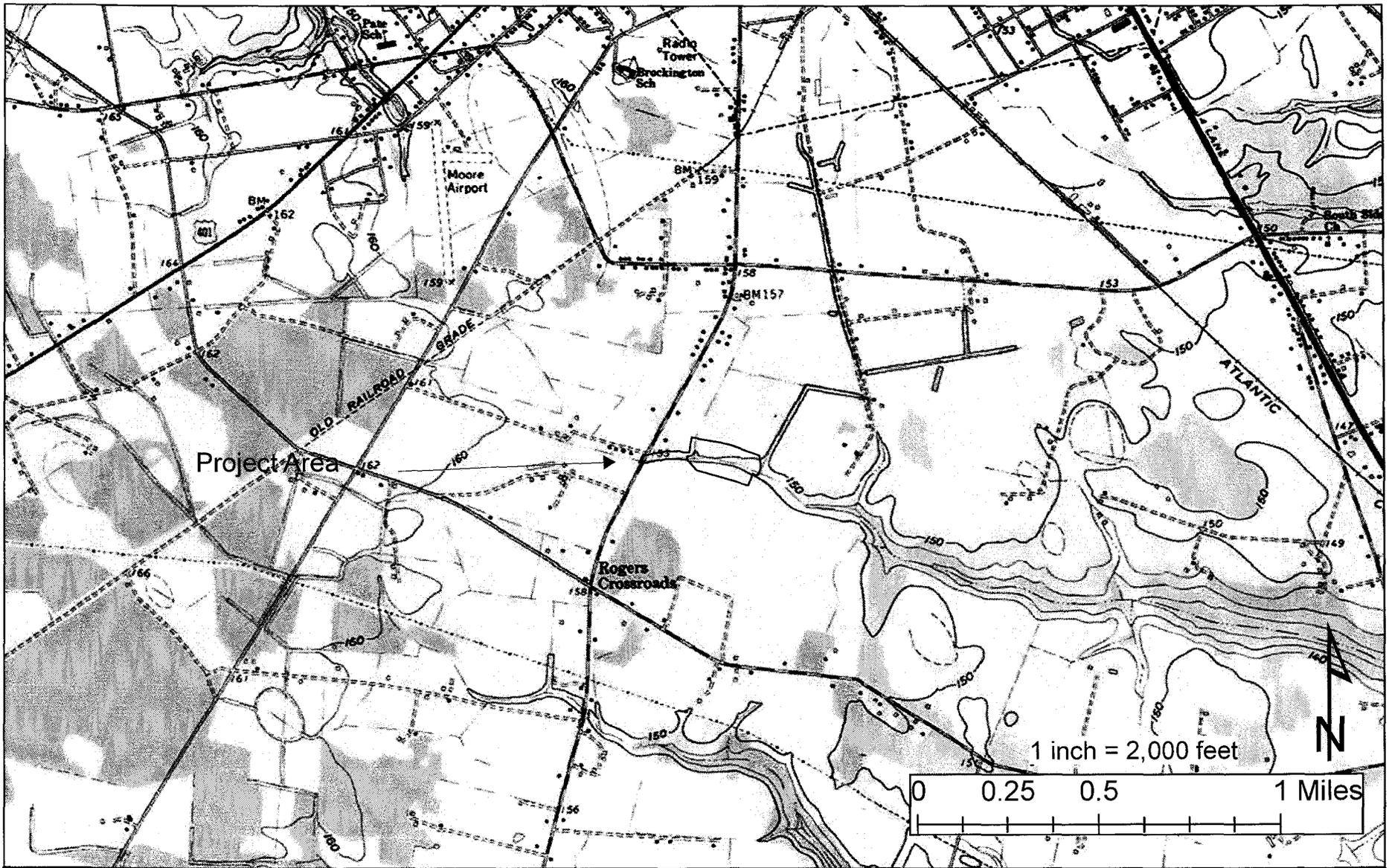
South

SAC-2004-31812-4E
 South Darlington Watershed Project
 Darlington County, SC
 Date: August 13, 2014 Sheet 1 of 12

ect



Applicant:
 Darlington County
 1 Public Square, Room 210
 Darlington, SC 29532



Legend

 Project Boundary

 **SEPI**
ENGINEERING & CONSTRUCTION

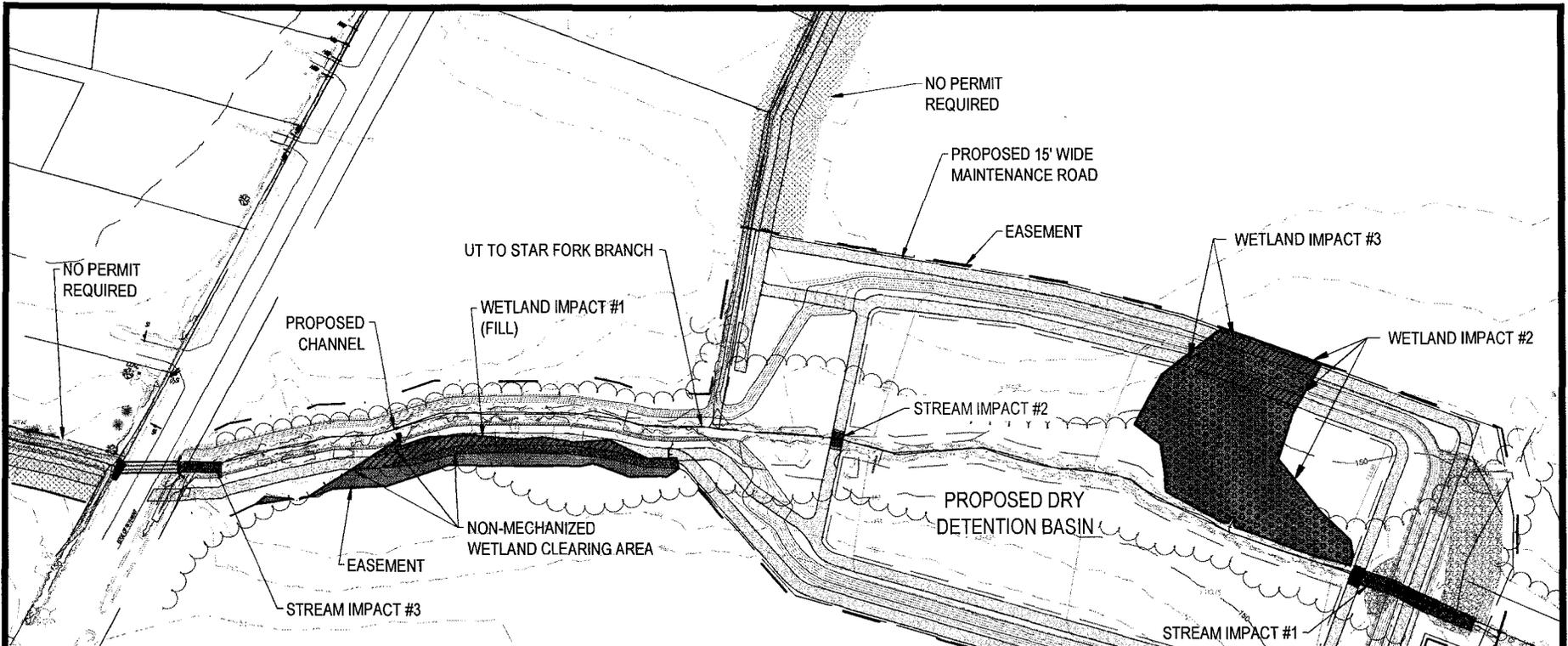
South

Sketch Prepared By:
SEPI Engineering & Construction
Chris Flowers
1025 Wade Ave
Raleigh, NC 27606

SAC-2004-31812-4E
South Darlington Watershed Project
Darlington County, SC
Date: August 13, 2014 Sheet 2 of 12

ject

Applicant:
Darlington County
1 Public Square, Room 210
Darlington, SC 29532



PROJECT AREA
540,124 SF (12.40 AC.)

WETLAND AREA
59,608 SF (1.37 AC.)

WETLAND IMPACT "CUT" AREA
39,635 SF (0.910 AC.)

WETLAND IMPACT "FILL" AREA
8,608 SF (0.198 AC.)

NON-MECHANIZED
WETLAND CLEARING AREA
4,191 SF (0.096 AC.)

STREAM IMPACT AREA
241 LF / 4,293 SF (0.10 AC.)
RIPRAP - 168 LF / 2,891 SF (0.07 AC.)
PIPE - 73 LF / 1,402 SF (0.03 AC.)

PROPOSED 15' WIDE
MAINTENANCE ROAD

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SCALE 0 100 200
SCALE: 1"=200'

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WILMINGTON, NORTH CAROLINA
910.523.5715
www.sepiengineering.com
info@sepiengineering.com

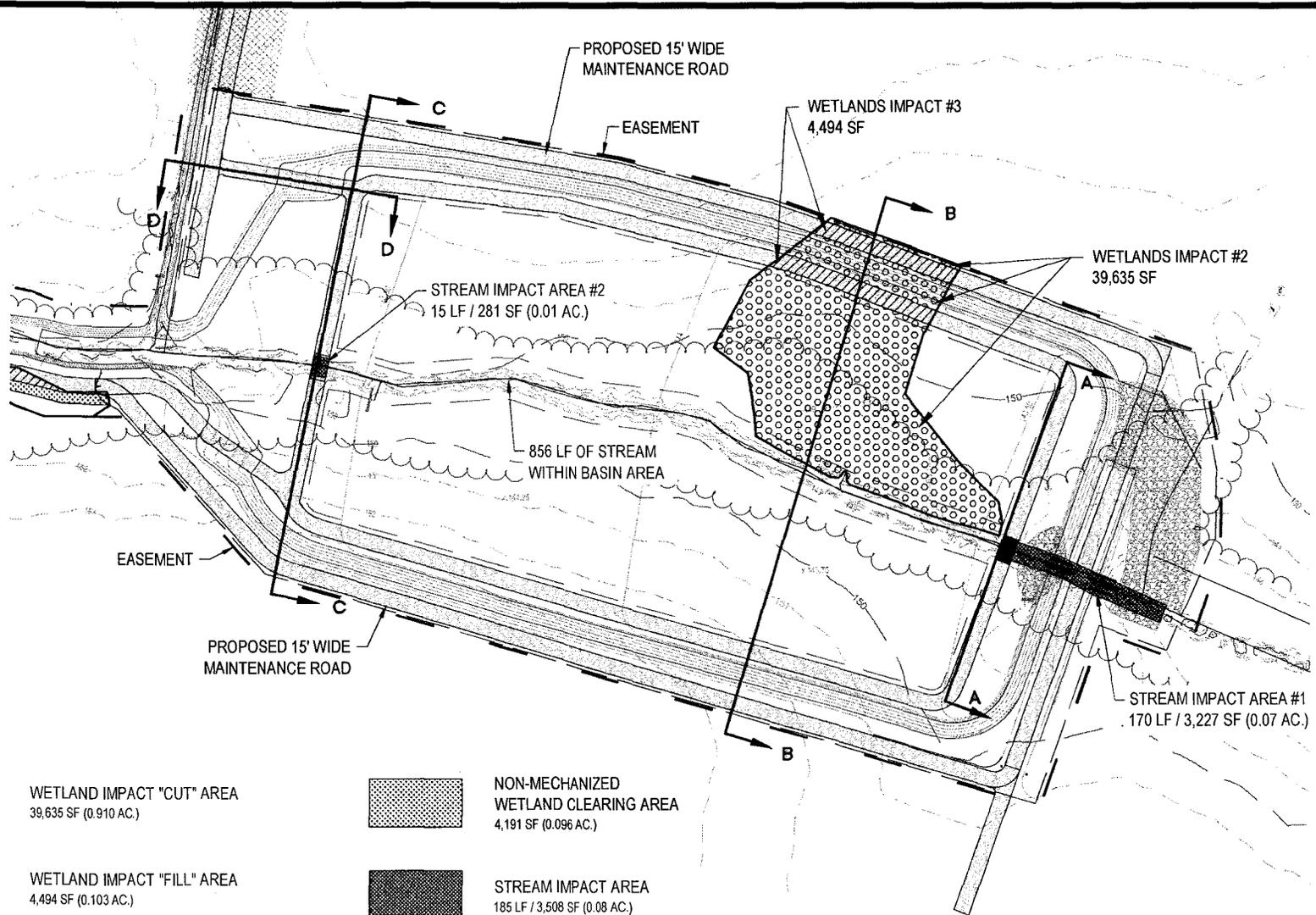
TRANSPORTATION TRAFFIC SURVEYING ENVIRONMENTAL SPECIAL INSPECTIONS CONSTRUCTION MANAGEMENT

DRAWN BY:
B. MUELLER

CHECKED BY:
C. FLOWERS

DATE
2014-05-01

JOB NUMBER
8A09.002.00



WETLAND IMPACT "CUT" AREA
39,635 SF (0.910 AC.)



NON-MECHANIZED
WETLAND CLEARING AREA
4,191 SF (0.096 AC.)

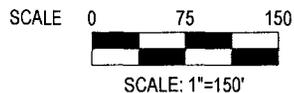


WETLAND IMPACT "FILL" AREA
4,494 SF (0.103 AC.)

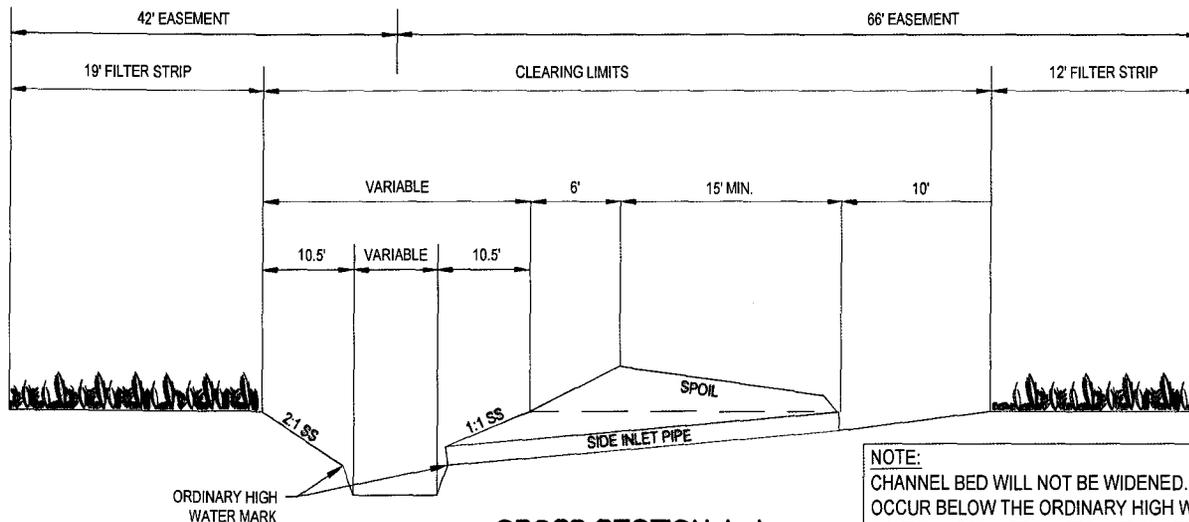
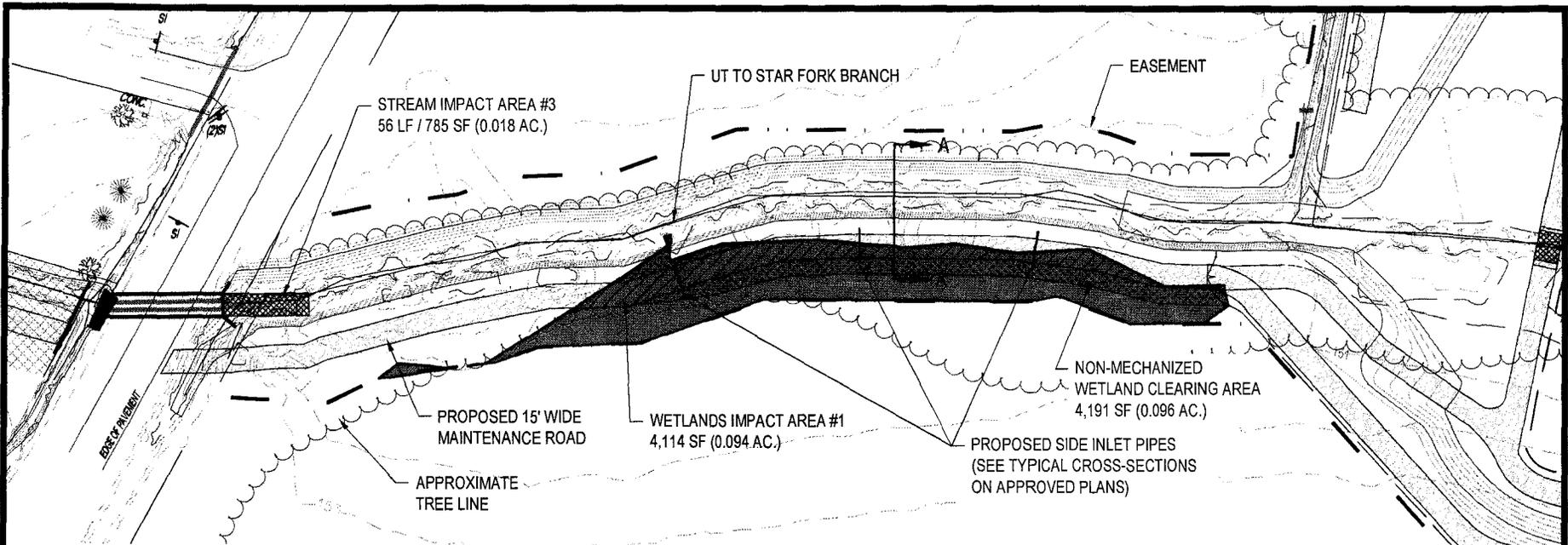


STREAM IMPACT AREA
185 LF / 3,508 SF (0.08 AC.)
RIPRAP - 112 LF / 2,106 SF (0.05 AC.)
PIPE - 73 LF / 1,402 SF (0.03 AC.)

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Darlington County, SC
Date: August 13, 2014 Sheet 4 of 12



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	TRANSPORTATION ■ TRAFFIC ■ SURVEYING ■ ENVIRONMENTAL ■ SWEE ■ CIVIL ■ INSPECTIONS ■ CONSTRUCTION MANAGEMENT		
DRAWN BY:	CHECKED BY:	DATE	JOB NUMBER
B. MUELLER	C. FLOWERS	2014-05-01	8A09.002.00

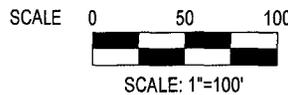


-  WETLANDS "CUT" AREA
0 SF (0.00 AC.)
-  WETLANDS IMPACT "FILL" AREA
4,114 SF (0.094 AC.)
-  NON-MECHANIZED
WETLAND CLEARING AREA
4,191 SF (0.096 AC.)
-  STREAM IMPACT AREA
56 LF
785 SF (0.018 AC.)

NOTE:
CHANNEL BED WILL NOT BE WIDENED. NO WORK TO OCCUR BELOW THE ORDINARY HIGH WATER MARK.

CROSS SECTION A-A
SCALE

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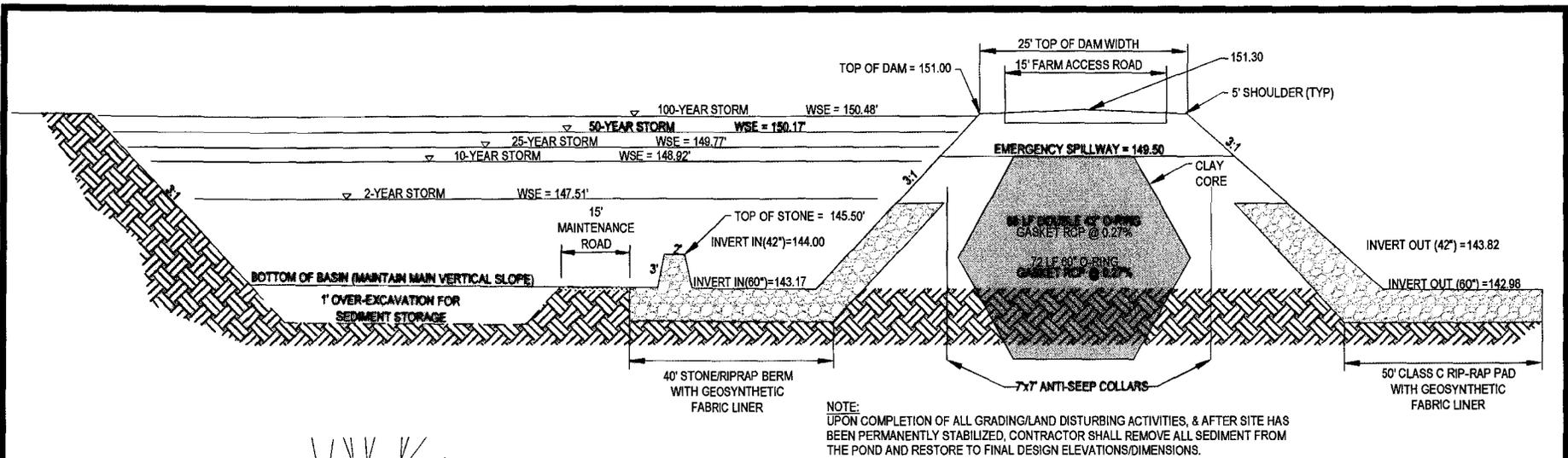


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TRANSPORTATION TRAFFIC SURVEYING ENVIRONMENTAL SITE/CIVIL INSPECTIONS CONSTRUCTION MANAGEMENT

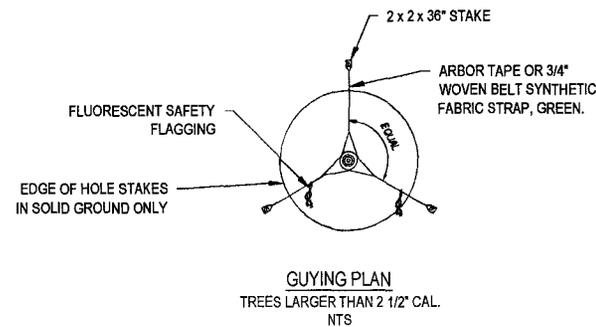
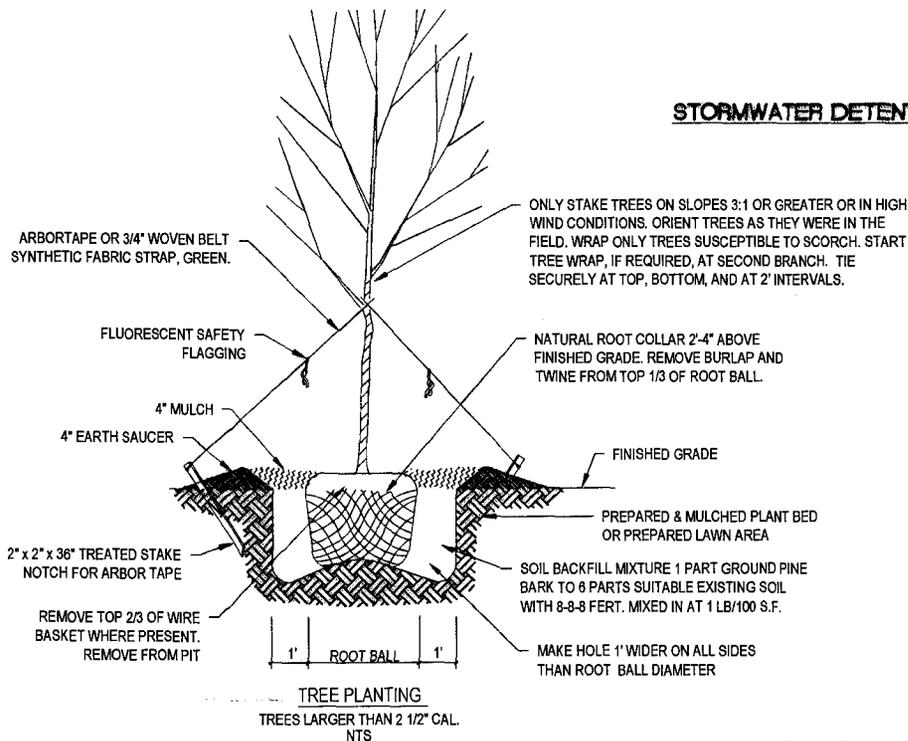
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info@sepiengineering.com

DRAWN BY: B. MUELLER	CHECKED BY: C. FLOWERS	DATE 2014-05-01	JOB NUMBER 8A09.002.00
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STORMWATER DETENTION BASIN CROSS-SECTION

NOT TO SCALE

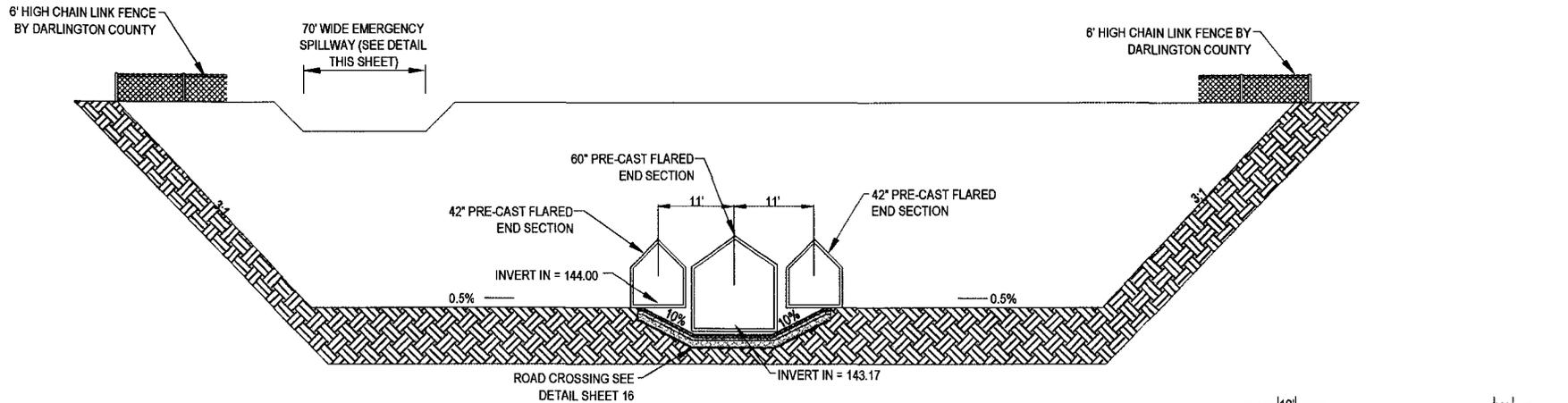


PLANTING DETAILS

NOT TO SCALE

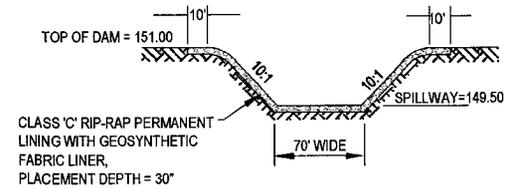
SAC-2004-31812-4E
 South Darlington Watershed Project
 Darlington County, SC
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		<small>TRANSPORTATION TRAFFIC SURVEYING ENVIRONMENTAL SAFETY INSPECTIONS CONSTRUCTION MANAGEMENT</small>	
DRAWN BY: B. MUELLER	CHECKED BY: C. FLOWERS	DATE: 2014-05-01	JOB NUMBER: 8A09.002.00



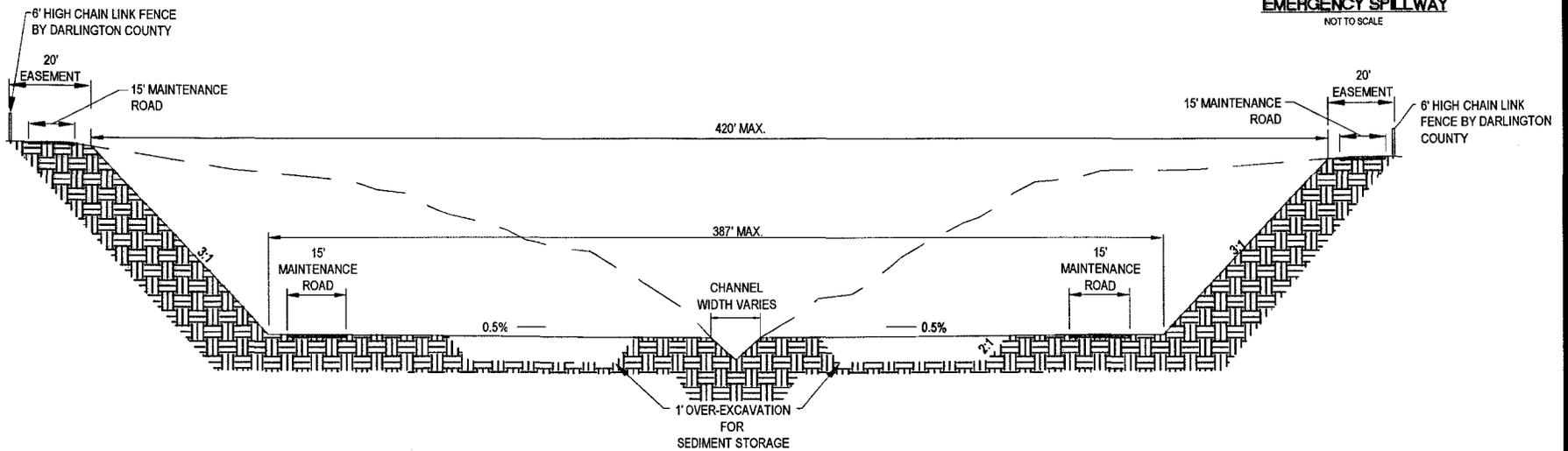
STORMWATER DETENTION BASIN SECTION A-A

NOT TO SCALE



EMERGENCY SPILLWAY

NOT TO SCALE



STORMWATER DETENTION BASIN SECTION B-B

NOT TO SCALE

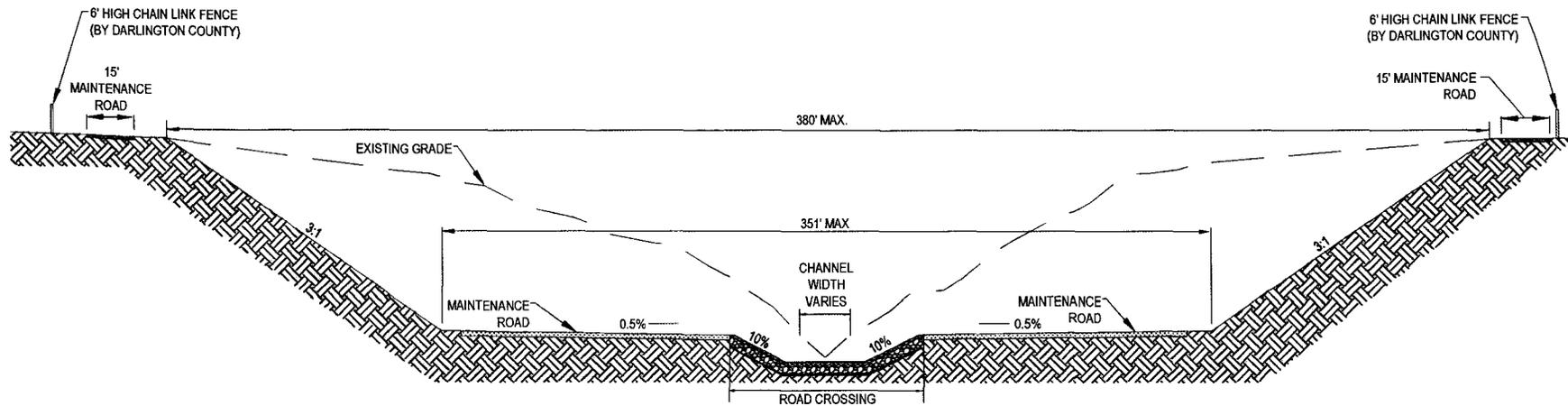
SAC-2004-31812-4E
 South Darlington Watershed Project
 Darlington County, SC
 Date: August 13, 2014 Sheet 7 of 12

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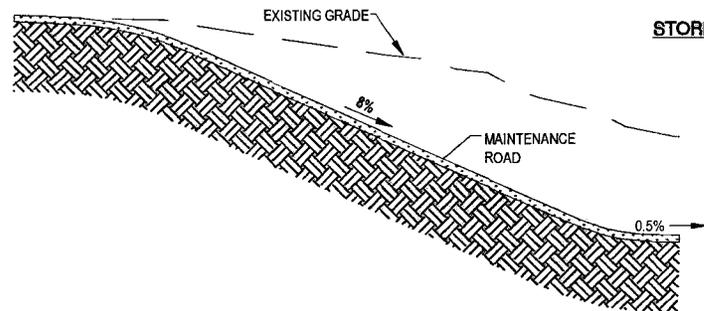
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 www.sepiengineering.com
 info@sepiengineering.com

TRANSPORTATION TRAFFIC SURVEYING ENVIRONMENTAL SPECIAL INSPECTIONS CONSTRUCTION MANAGEMENT

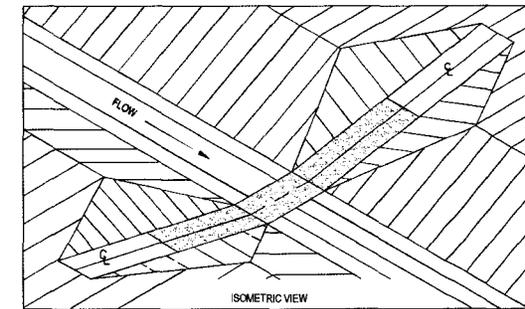
DRAWN BY: B. MUELLER	CHECKED BY: C. FLOWERS	DATE 2014-05-01	JOB NUMBER 8A09.002.00
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STORMWATER DETENTION BASIN SECTION C-C
NOT TO SCALE

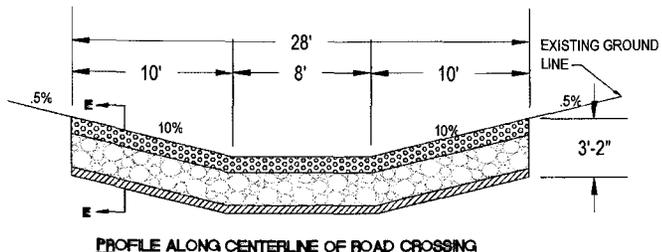


STORMWATER DETENTION BASIN SECTION D-D
NOT TO SCALE

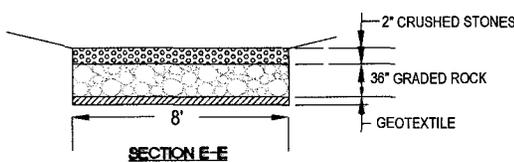


ISOMETRIC VIEW
GRADED ROCK MATERIAL GRADATION

PERCENT PASSING BY WEIGHT	SIZE (FEET)
100	1.35
85	1.0
50	0.75
10	0.42



PROFILE ALONG CENTERLINE OF ROAD CROSSING



SECTION E-E

- NOTES:
1. COMPACT SURFACING MATERIAL BY EQUIPMENT TRAVEL.
 2. CROSSINGS SHALL HAVE THE TOP-MOST SURFACE LAYER A MINIMUM OF 0.2 FEET BELOW THE STREAM CHANNEL BOTTOM.

ROAD CROSSING (GEOTEXTILE BASE)
NOT TO SCALE

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 South Darlington Watershed Project
 Darlington County, SC
 Date: August 13, 2014 Sheet 8 of 12



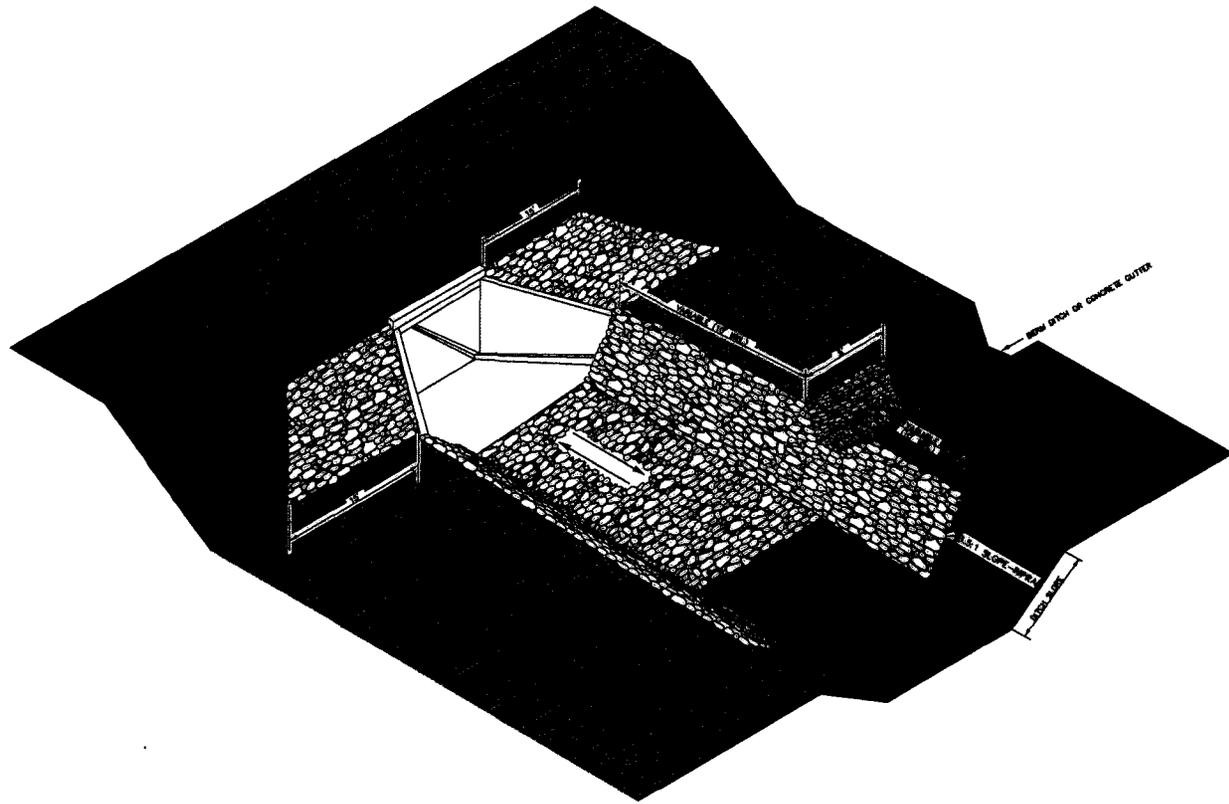
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DRAWN BY: B. MUELLER	CHECKED BY: C. FLOWERS	DATE 2014-05-01	JOB NUMBER 8A09.002.00
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NOTES:
 1. GEOTEXTILE FABRIC TO BE USED UNDER ALL RIPRAP.
 2. SEE SHEET 04 FOR DIMENSIONS AND ADDITIONAL INFORMATION.



PRECAST BOX CULVERT RIPRAP PLACEMENT
 NOT TO SCALE

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 South Darlington Watershed Project
 Darlington County, SC
 Date: August 13, 2014 Sheet 10 of 12



S. DARLINGTON WATERSHED PROJECT PRECAST BOX CULVERT RIPRAP PLACEMENT DARLINGTON COUNTY, SOUTH CAROLINA		Date 09/10/10 09/10/10 09/10/10 09/10/10
Designed M. CRAIG Drawn K. DEBENE Checked K. HAYES, PE Approved K. HAYES, PE		
 National Resource Conservation Service United States Department of Agriculture		Project No. 00-2002-D-001 Sheet 10 of 38

Designed	M. CRAIG	Date	08/10/10
Drawn	K. DEPENE		08/10/10
Checked	K. HAYES, PE		08/10/10
Approved	K. HAYES, PE		08/10/10

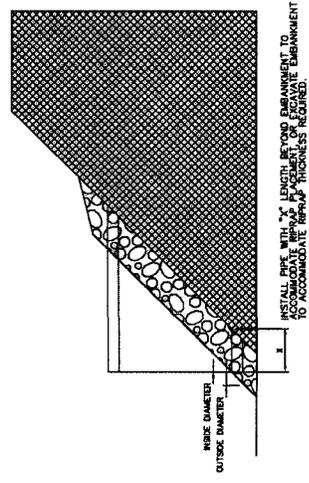
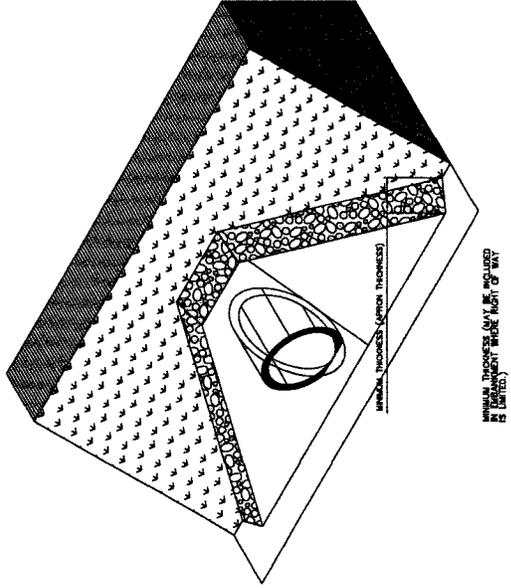
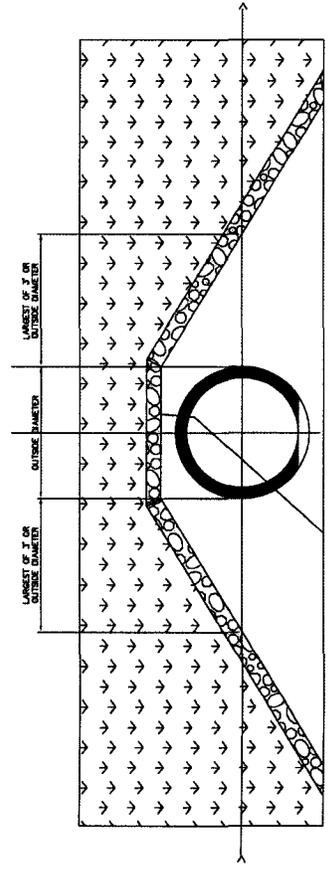
S. DARLINGTON WATERSHED PROJECT
RIP-RAP (PPE)
DARLINGTON COUNTY, SOUTH CAROLINA



 National Resources Conservation Service
 United States Department of Agriculture
 File No. _____
 Drawing No. **SC-2004-10-001**
 Sheet **03** of **08**

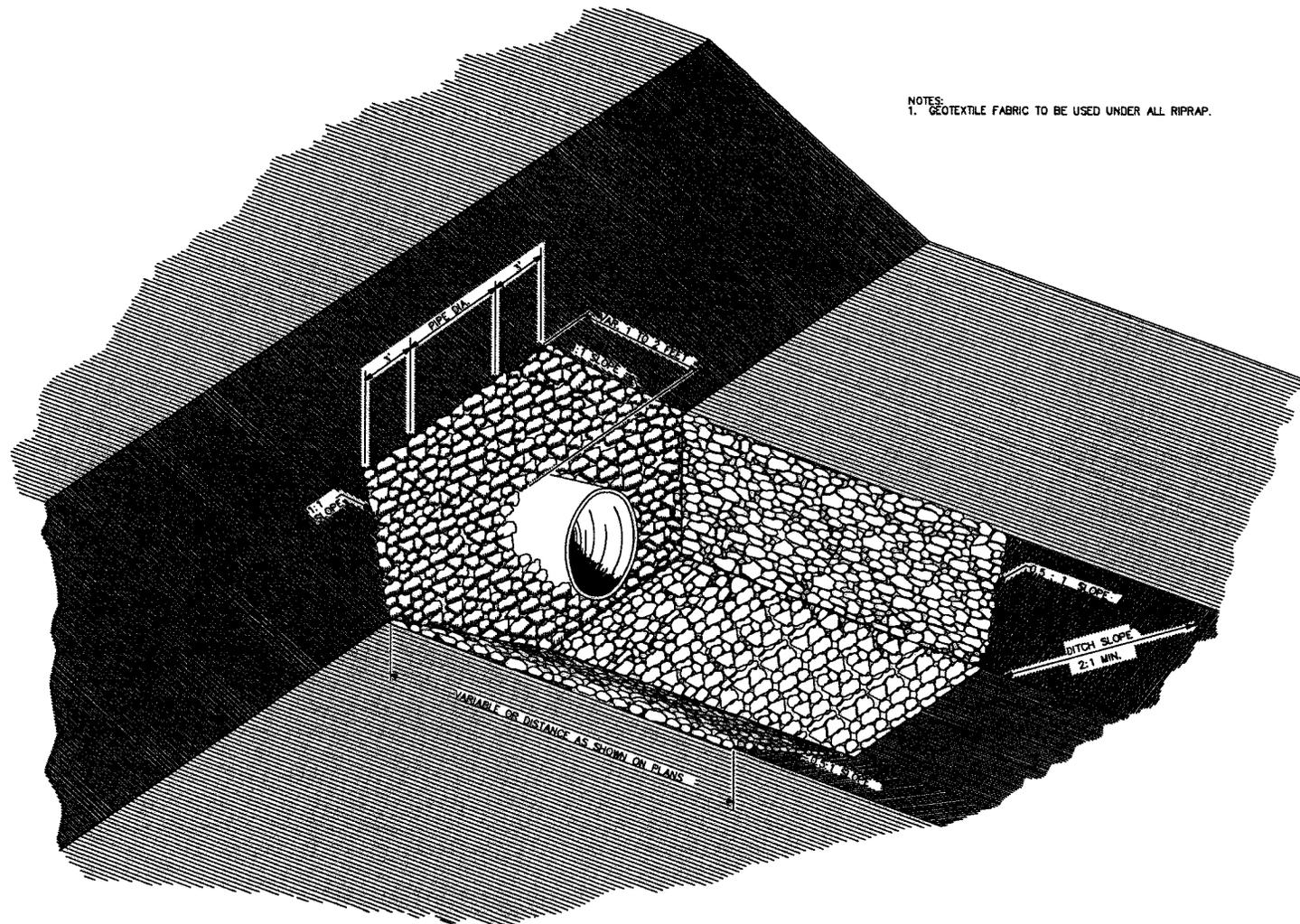


NOTE: GEOTEXTILE FABRIC TO BE USED UNDER ALL RIPRAP.



RIP-RAP (PPE)
 NOT TO SCALE

SAC-2004-31812-4E
South Darlington Watershed Project
Darlington County, SC
Date: August 13, 2014



NOTES:
 1. GEOTEXTILE FABRIC TO BE USED UNDER ALL RIPRAP.

CIRCULAR PIPE RIPRAP PLACEMENT
 NOT TO SCALE

SAC-2004-31812-4E
 South Darlington Watershed Project
 Darlington County, SC
 Date: August 13, 2014 Sheet 12 of 12



Designed	M. CRAIG	Date	09/10/10
Drawn	K. DEBENE		09/10/10
Checked	K. HAYES, PE		09/10/10
Approved	K. HAYES, PE		09/10/10

S. DARLINGTON WATERSHED PROJECT
CIRCULAR PIPE RIPRAP PLACEMENT
 DARLINGTON COUNTY, SOUTH CAROLINA

File No.	
Drawing No.	SC-2002-10-001
Sheet	04 of 08