



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
SAVANNAH DISTRICT, CORPS OF ENGINEERS  
100 W. OGLETHORPE AVENUE  
SAVANNAH, GEORGIA 31401-3640

**JULY 31 2013**

Regulatory Division  
SAS-2012-01005

**JOINT PUBLIC NOTICE  
Savannah District/State of Georgia**

The Savannah District has received an application for a Department of the Army Permit, pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344), as follows:

Application Number: SAS-2012-01005

Applicant: Mr. David J. Neal  
Georgia-Pacific Gypsum, LLC (GP)  
133 Peachtree Street, NE, 8th Floor  
Atlanta, Georgia 30303

Agent: Mr. Bill Murdy  
AMEC Environment & Infrastructure, Inc. (AMEC)  
5470 Habersham Street  
Brunswick, Georgia 31520

Location of Proposed Work: The project site is located at the GP Gypsum Plant, along the East River, south of King and Prince Boulevard, at 1 Union Street, in Brunswick, Glynn County, Georgia (Latitude 31.12623, Longitude -81.4896).

Description of Work Subject to the Jurisdiction of the U.S. Army Corps of Engineers: The applicant proposes to construct a 1,864 linear foot revetment system to provide shoreline stabilization. The stabilization plan would include the re-grading of an eroding shoreline to provide a stable slope, followed by the installation of an engineered stabilization system to protect the shore up through the zone of tidal influence. The upland side of the system would be stabilized with wrapped earth and planted to create a 25 foot vegetated riparian buffer.

The project would require impacts to a total of 1.08 acres of unconsolidated estuarine intertidal shore, during construction of the shoreline revetment system. Permanent impacts would include 0.70 acre within the proposed footprint of the permanent revetment structure. Temporary impacts would include 0.38 acres of temporary disturbance located seaward of the toe of the revetment structure. The project has

been designed to avoid all impacts to areas of marsh grass within the vicinity of the project area. A turbidity curtain would be installed along the waterward perimeter of the project to contain turbidity and minimize secondary impacts to waters within the vicinity of the project.

The applicant has not proposed compensatory mitigation because they believe that the project would provide long term self-mitigating improvements to the existing shoreline as a result of project implementation.

## **BACKGROUND**

Upland areas adjacent to the project area have historically been used for waste gypsum storage and shoreline reclamation operations. Due to currents, tides, and wave action, the shoreline has been subjected to extensive erosion effects. Based on aerial photographs, the shoreline has eroded at a rate of 1 to 2 feet per year for the past 10 to 15 years.

A Jurisdictional Determination was completed for the project area by the U.S. Army Corps of Engineers (Corps) on March 13, 2013.

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

## **STATE OF GEORGIA**

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

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

Marshland Protection: This notice also serves as notification of a request to alter coastal marshlands (under the provision of the Coastal Marshlands Protection Act, Georgia Laws, 1970, p. 939 and as amended), if required. Comments concerning this action should be submitted to the Ecological Services Section, Coastal Resources Division, Georgia Department of Natural Resources, 1 Conservation Way, Brunswick, Georgia 31523-8600 (Telephone 912-264-7218).

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

### **U.S. ARMY CORPS OF ENGINEERS**

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

Cultural Resources Assessment: The applicant contracted an archaeological consulting firm to perform an intensive cultural resources assessment of the site. The findings report indicated that no known registered historic properties are located on-site or in the immediate vicinity. However, remnants of historic piers located within and adjacent to the project may be eligible for inclusion in the NRHP. Some of the pilings closest to the shore (approximately 8 to 12 at each pier location) may be removed as a component of the project. The total area of piling disturbance within the project footprint would be approximately 0.20 acres (out of a total pier footprint area of 2.45 acres). The Corps has provided the cultural resources findings report to the Georgia Historic Preservation Division for review and eligibility determination.

Essential Fish Habitat (EFH): This notice initiates the EFH consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the alteration of approximately 1.08 acres of EFH utilized by various life stages of species comprising the red drum, shrimp, bluefish or snapper grouper management complexes.

The shoreline stabilization would have direct short-term effects to the water quality in the proposed action area. Increases in turbidity and total suspended solids are anticipated as a result of grading and placement of rip-rap below the mean high tide line. Turbidity curtains would be used to limit the area of impact. These areas would have no long-term effects after project completion.

The shoreline stabilization would also have direct long-term effects to EFH by changing the habitat types from non-vegetated flats to rip-rap, thus eliminating those habitats from the proposed action area. The total area to be permanently impacted is 0.70 acre. The potential impacts as a result of project construction on the managed species and the affected life stages are expected to be minimal. Stabilization of the shoreline will prevent the erosion of gypsum-containing materials into the water, thereby protecting those areas of EFH that remain in the project vicinity.

Our initial determination is that the proposed action would result in an improvement in water quality that would provide beneficial effects for EFH or federally managed fisheries in the Atlantic Ocean. Our final determination relative to project impacts to EFH and the need for mitigation measures are subject to review by and coordination with the NMFS and the South Atlantic Fisheries Management Council.

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

Public Interest Review: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and in general, the needs and welfare of the people.

Consideration of Public Comments: The Corps is soliciting comments from the public; federal, state, and local agencies and officials; Native American Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

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

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

Comment Period: Anyone wishing to comment on this application for a Department of the Army Permit should submit comments in writing to the Commander, U.S. Army Corps of Engineers, Savannah District, Attention: Mr. Brian Moore, 100 W. Oglethorpe Avenue, Savannah, Georgia 31401-3640, no later than 30 days from the date of this notice. Please refer to the applicant's name and the application number in your comments.

If you have any further questions concerning this matter, please contact Mr. Brian Moore, Regulatory Specialist, Coastal Branch at 912-652-5349.

#### Enclosures

1. Figure 1 – Location Map
2. Figure 2 – USGS Topographic Map
3. Jurisdictional Waters Impacts Maps
4. Revetment Construction Drawings



Path: G:\Brunswick\lands\mxd\Site Location.mxd

Source: ESRI Online Data, Street Map

0 1,000 2,000 4,000 Feet

Legend  
 Study Area

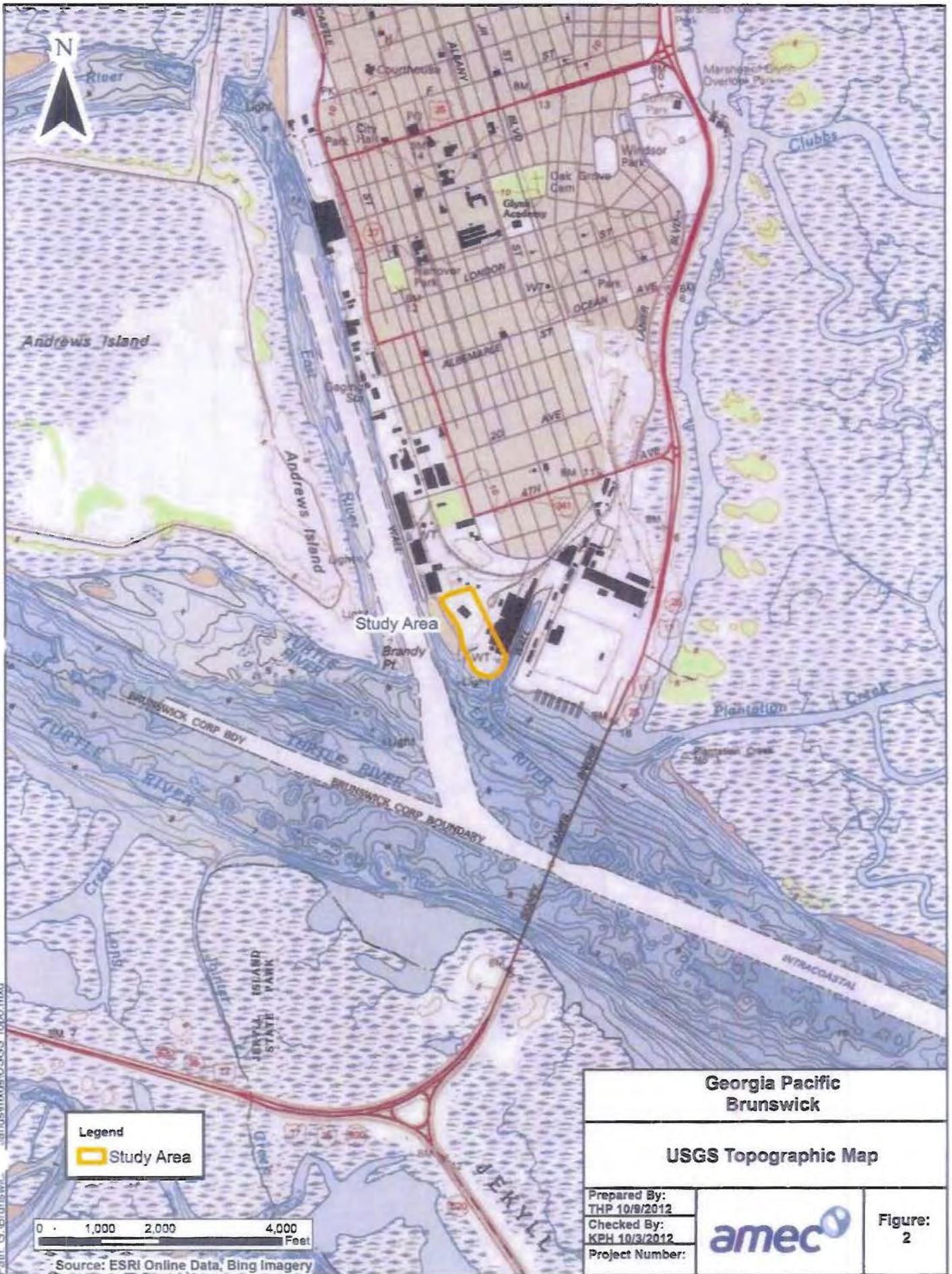
**Georgia Pacific  
 Brunswick**

**Site Location**

Prepared By:  
 THP 10/2/2012  
 Checked By:  
 KPH 10/3/2012  
 Project Number:  
 860000



Figure:  
 1



**Legend**  
 Study Area

0 1,000 2,000 4,000  
 Feet

Source: ESRI Online Data, Bing Imagery

**Georgia Pacific  
 Brunswick**

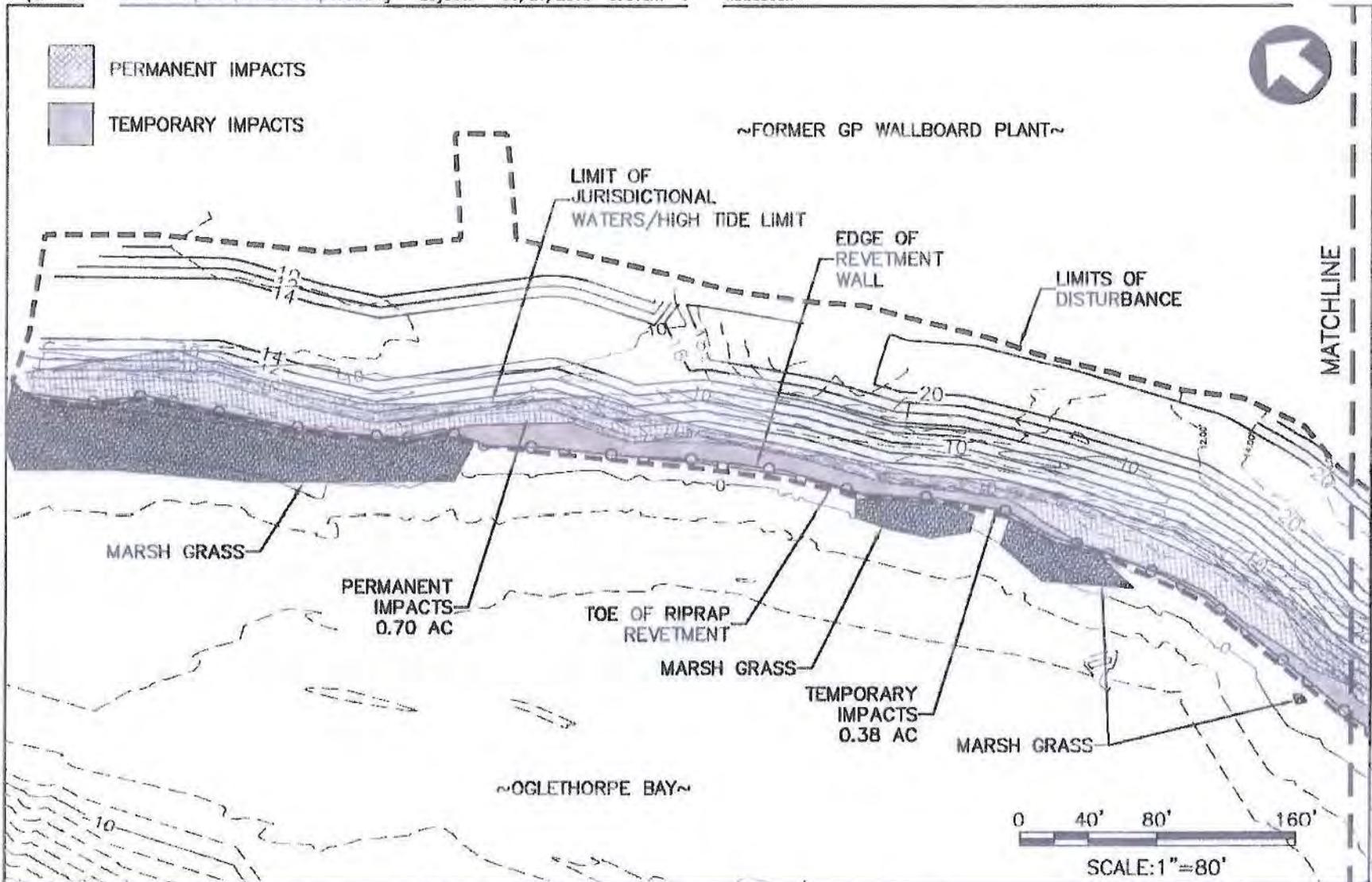
**USGS Topographic Map**

Prepared By:  
 THP 10/9/2012  
 Checked By:  
 KPH 10/3/2012  
 Project Number:



Figure:  
 2

Path: G:\Brunswick\lands\mxd\USGS\_Topo.mxd

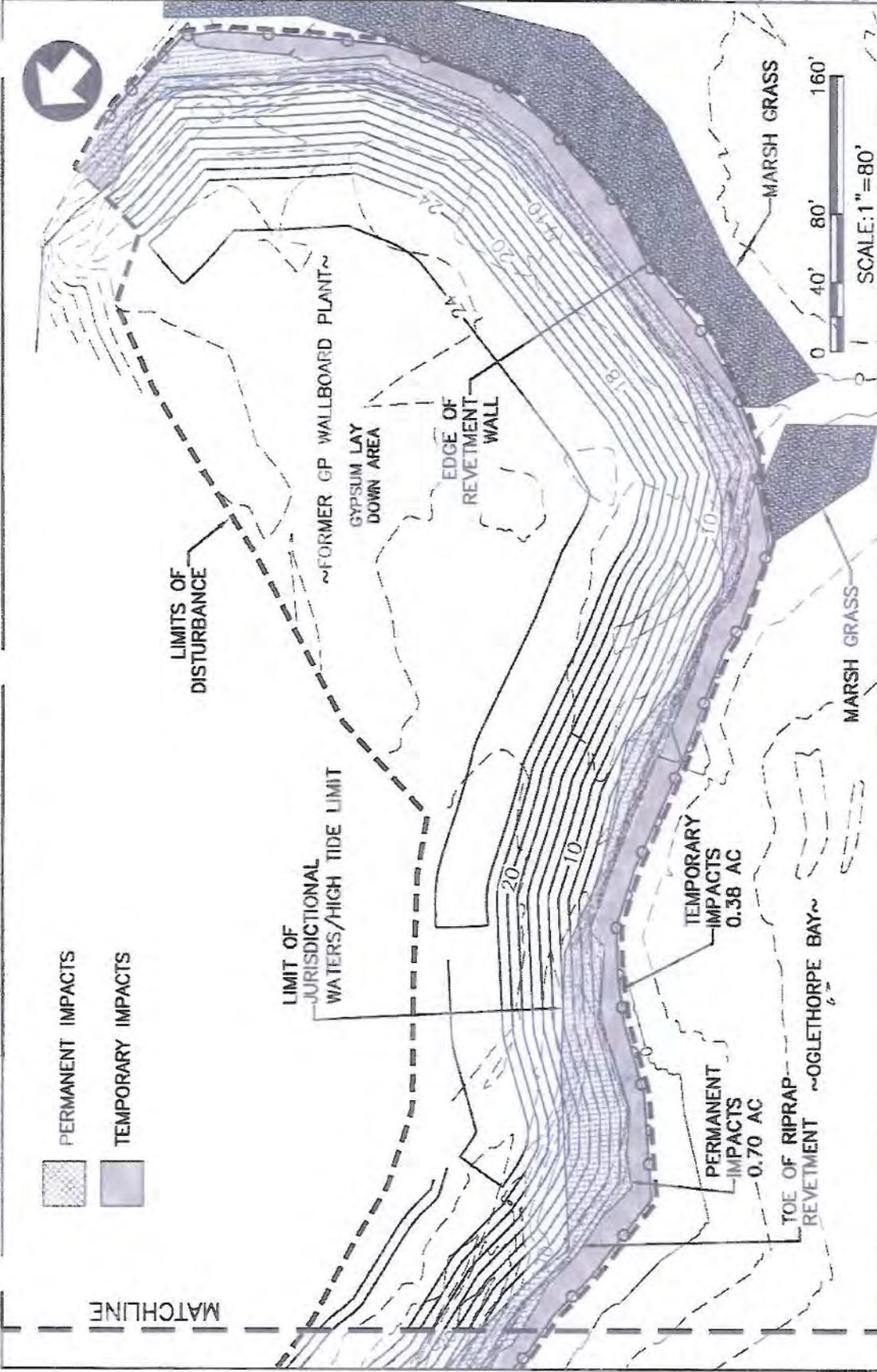


PREPARED BY/DATE: *SP/6/21/13*  
 CHECKED BY/DATE: *SP/6/21/13*

  
**Georgia Pacific**  
 Georgia Pacific, LLC  
 133 PEACHTREE STREET, N.E.  
 ATLANTA, GEORGIA 30303  
 (404) 652-4000

  
**amec**  
 AMEC Environment & Infrastructure, Inc.  
 1075 BIG SHANTY ROAD, NW, SUITE 100  
 KENNESAW, GEORGIA 30144 (770) 421-3400

**REVIETMENT PROJECT**  
**GEORGIA PACIFIC GYPSUM CORP**  
**JURISDICTIONAL WATERS**  
**IMPACTS MAP 1 OF 2**  
 JOB NO. 6121-12-0135      FIGURE 6A



REVIEWED BY/DATE  
SP 6/21/13

PREPARED BY/DATE  
CS 6/13/13

REVIEWED PROJECT  
GEORGIA PACIFIC GYPSUM CORP

JURISDICTIONAL WATERS  
IMPACTS MAP 2 OF 2

JOB NO. 6121-12-0135

FIGURE 6B

**amec**

AMEC Environment & Infrastructure, Inc.  
1075 BIG SHANY ROAD, NW, SUITE 100  
KENNESAW, GEORGIA 30144 (770) 421-3400

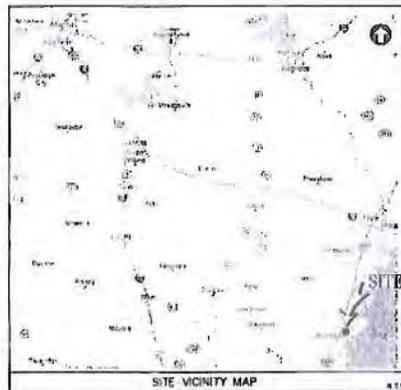
**GP**  
Georgia-Pacific

Georgia Pacific, LLC  
133 PEACHTREE STREET, N.E.  
ATLANTA, GEORGIA 30303  
(404) 652-4000

# REVETMENT CONSTRUCTION DRAWINGS

## GEORGIA-PACIFIC GYPSUM CORP

BRUNSWICK, GLYNN COUNTY, GEORGIA



Sheet List Table	
Sheet Number	Sheet Title
C-001	COVER SHEET
C-101	SURVEY
C-102	SITE & GRADING PLAN
C-103	INITIAL EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN
C-104	INTERMEDIATE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN
C-105	FINAL EROSION, SEDIMENTATION & POLLUTION PLAN
C-106	EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES 1 OF 3
C-107	EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES 2 OF 3
C-108	EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES 3 OF 3
C-109	EROSION CONTROL DETAILS
C-301	CROSS SECTIONS 1 OF 4
C-302	CROSS SECTIONS 2 OF 4
C-303	CROSS SECTIONS 3 OF 4
C-304	CROSS SECTIONS 4 OF 4
-100	LANDSCAPE PLANTING PLAN 1 OF 3
-101	LANDSCAPE PLANTING PLAN 2 OF 3
-102	LANDSCAPE PLANTING PLAN 3 OF 3 LANDSCAPE DETAILS & NOTES

**FLOOD STATEMENT:**

ACCORDING TO F.I.R.M. PANEL #13127C0238F, THE SITE IS IN ZONE VE, COASTAL FLOODING ZONE WITH VELOCITY HAZARD (WAVE ACTION), BASE FLOOD ELEVATION AT 14'. WETLANDS ARE DELINEATED ON THE SURVEY PLAN.



PREPARED BY:



AMEC Environment & Infrastructure, Inc.  
 1075 BIG SHANTY ROAD NW, SUITE 100  
 KENNESAW, GEORGIA 30144  
 (770) 421-3400

PREPARED FOR:

Georgia-Pacific  
 Georgia Pacific, LLC  
 133 PEACHTREE STREET, N.E.  
 ATLANTA, GEORGIA 30301  
 (404) 652-4000

24 HOUR CONTACT:  
 GREG THOMPSON  
 972-285-1700 EXT. 126

AMEC PROJECT No. 6120-13-0025

REVISIONS		
Rev.	DATE	DESCRIPTION

DATE: JUNE 21, 2013



Now it's better.  
 Call before you dig.

**amec**  
 AMEC ENVIRONMENT &  
 INFRASTRUCTURE, INC.  
 1078 BIG SHOOTY ROAD, NW  
 KENNESAW, GA 30144  
 TEL: 1770 481-9400

NOT VALID WITHOUT SIGNATURE  
 AND DATE

**PROJECT:**  
**BRUNSWICK**  
 BRUNSWICK WAL  
 CONSTRUCTION DRAWINGS  
 LAND LOST MAP  
 DISTRICT OF  
 S.W. PIN COUNTY, GEORGIA  
 GEORGIA PACIFIC  
 ATLANTA, GEORGIA  
 AMEC PROJECT No.  
 019-B-003

NO.	DATE	BY	APPROVED

DESIGNED BY: JLS  
 DRAWN BY: MRP  
 CHECKED BY: JLS  
 APPROVED BY: JLS  
 DATE: JUNE 21, 2013

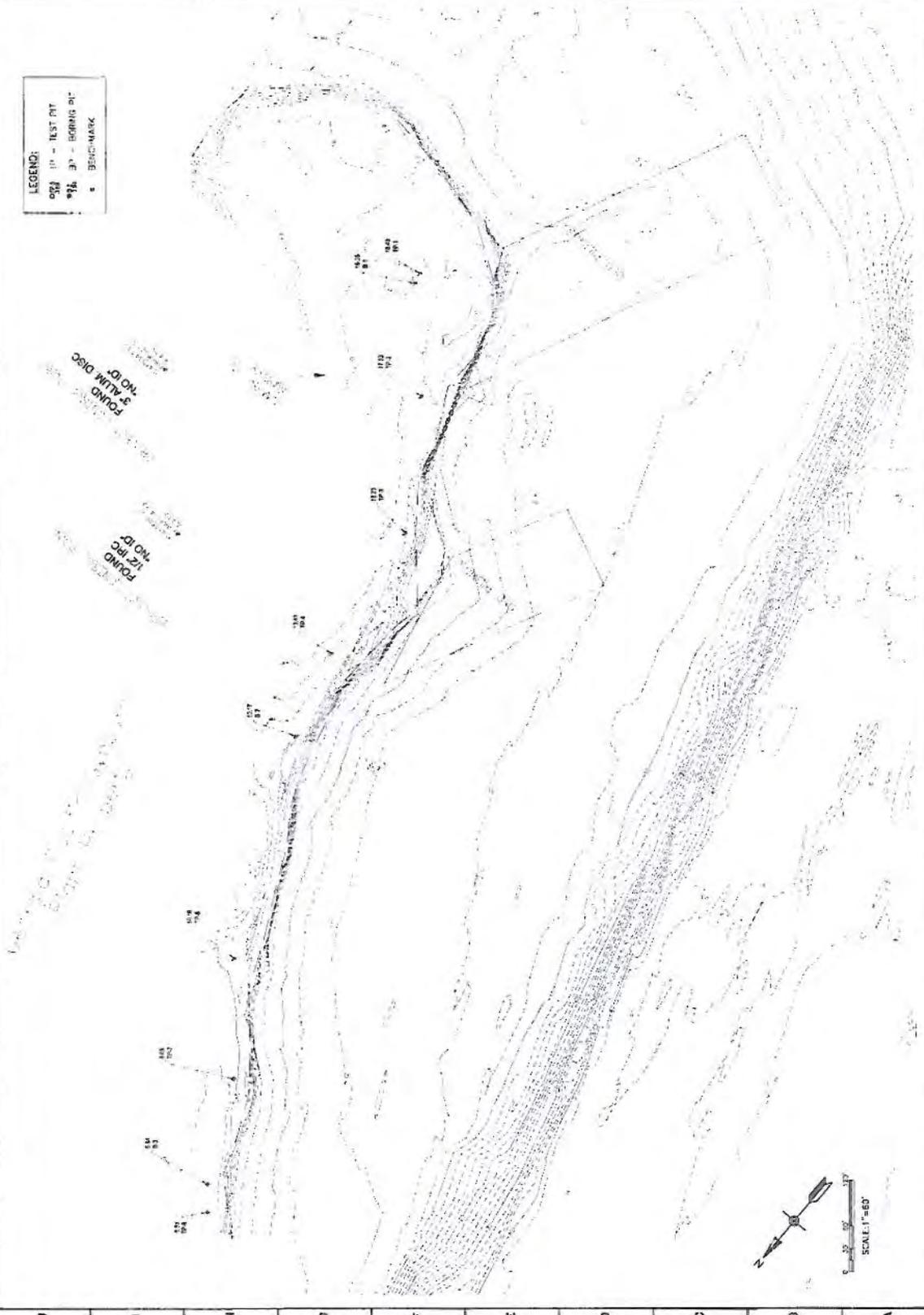
SHEET TITLE:  
**SURVEY**

SHEET NUMBER	REV #
C-101	0

SHEET 2 OF 17 SHEETS

**LEGEND:**  
 ○ 1" = TEST PIT  
 \* 1/4" = BORING OUT  
 \* 1/8" = BENCH-MARK

12 11 10 9 8 7 6 5 4 3 2 1



12 11 10 9 8 7 6 5 4 3 2 1

**amec**  
**AMEC ENVIRONMENT & INFRASTRUCTURE, INC.**  
 1075 BIG SHAWY ROAD, NW  
 SUITE 200  
 KENNESAW, GA 30144  
 TEL: (770) 431-9100



NEI WARD W/HD JT SPAN/HL AND ECU

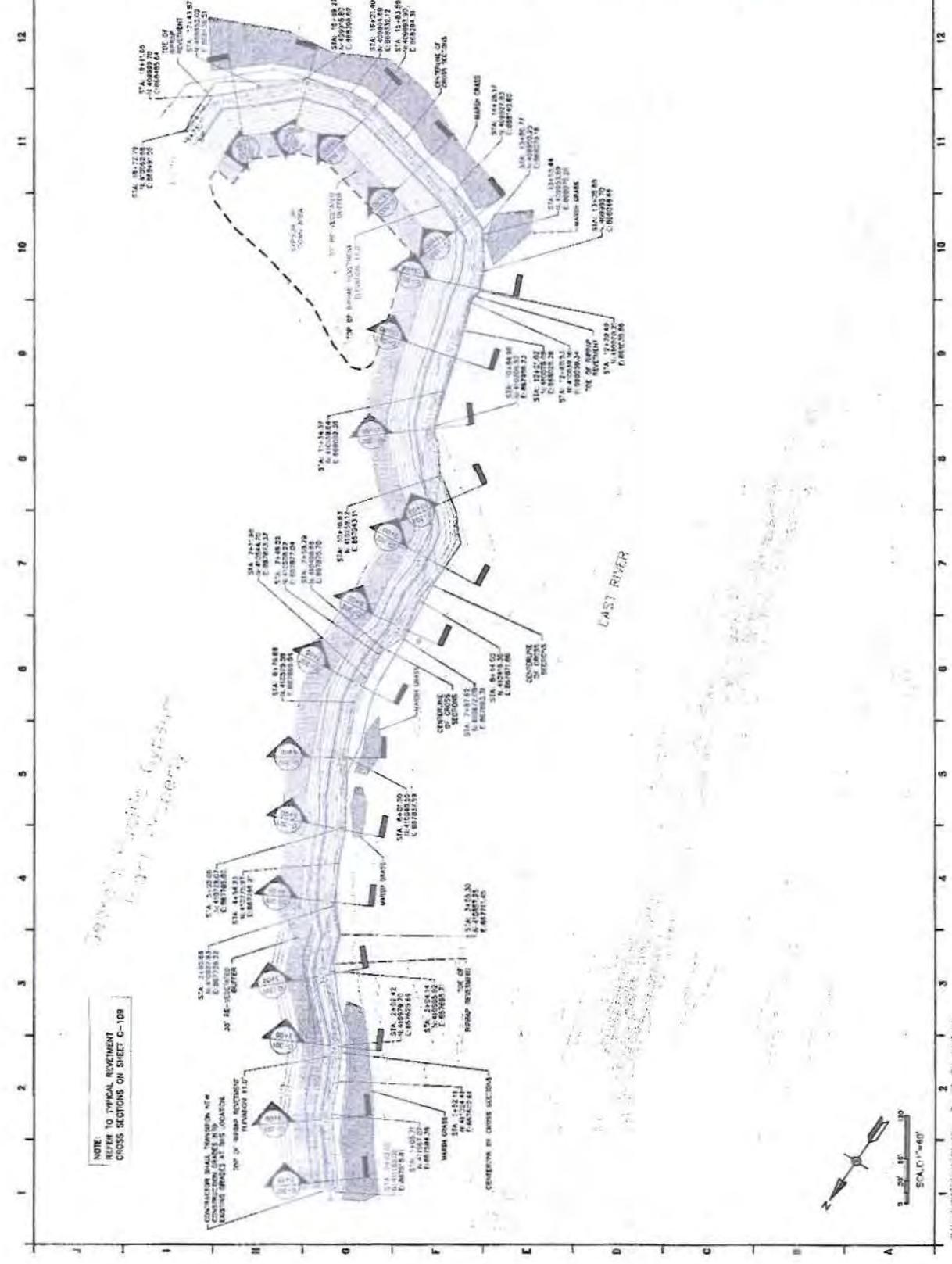
**PROJECT:**  
**BRUNSWICK**  
 ESTABLISHMENT AND CONSTRUCTION BRIDGES  
 LAMB LOT B/D  
 OLIVE COUNTY, GEORGIA  
 GEORGIA PACIFIC  
 ATLANTA, GEORGIA  
 AMEC PROJECT No. 001-19-005

NO.	DATE	BY	APP'D

DESIGNED BY:	AS
DRAWN BY:	MAC
CHECKED BY:	AS
APPROVED BY:	AS
DATE:	JAN 15, 2013

**SHEET TITLE:**  
**SITE & GRADING PLAN**

**SHEET NUMBER:** REV. 0  
**C-102**  
**SHEET 8 OF 17 SHEETS**



1 2 3 4 5 6 7 8 9 10 11 12

**GSWCC**  
 Georgia Storm Water Control Center  
 James C. Stolar  
 1000 Peachtree Dunwoody Road, NE  
 Atlanta, GA 30328  
 Phone: 404-252-3345 Fax: 404-252-3348

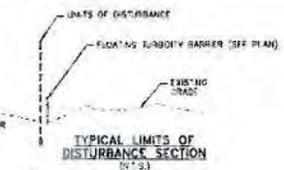
### CONSTRUCTION SCHEDULE

ACTIVITY	MONTHS						
	01	02	03	04	05	07	08
MOBILIZATION							
INSTALL INITIAL EROSION & SEDIMENT CONTROL							
MAINTAIN EROSION & SEDIMENT CONTROL							
CLEAR AND GRUB SITE PREP							
EXCAVATE AND GRADE EXISTING MATERIALS							
REMOVE AND DISPOSE OF DEBRIS							
CONSTRUCT SUBGRADE SOIL LAYER							
INSTALL SEDIMENT							
CONSTRUCT BEDDING STONE LAYER							
CONSTRUCT BARRER LAYER							
INSTALL HYDROLOGIC EROSION & SEDIMENT CONTROL							
CONSTRUCT REVEGETATED IMPERMEABLE LANEWAY IN FINISH							
DEMOLITION							

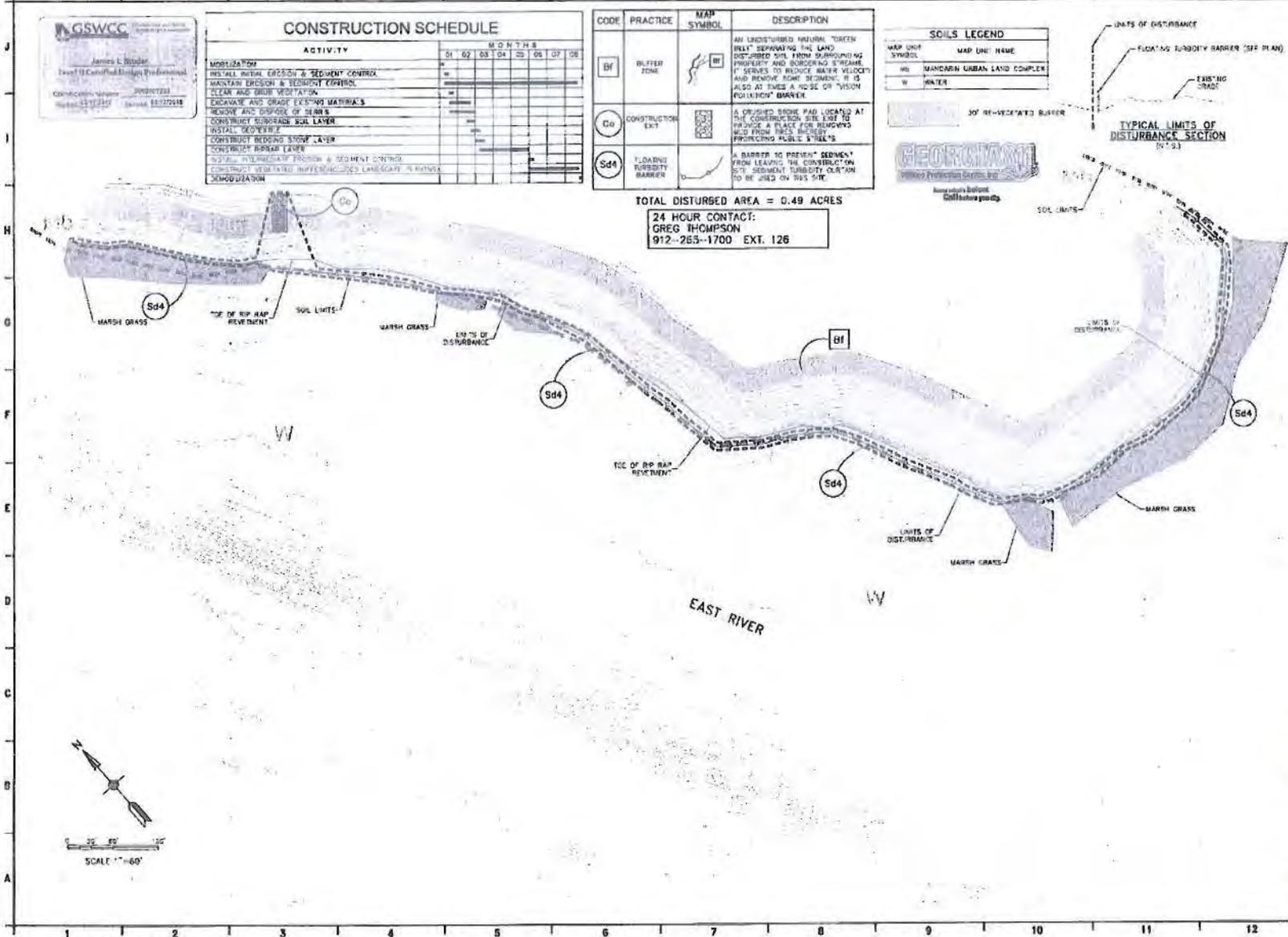
CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
BI	BUFFER ZONE		AN UNDISTURBED NATURAL "GREEN BELT" SEPARATING THE LAND DISTURBED SOIL FROM SURROUNDING PROPERTY AND SURFACING STREAMS. IT SERVES TO REDUCE WATER VELOCITY AND REMOVE SOME SEDIMENT. IT IS ALSO AT TIMES A NOISE OR "VISION POLLUTION" BARRIER.
Co	CONSTRUCTION EXIT		A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION SITE EDGE TO PROVIDE A PLACE FOR REMOVING MUD FROM Tires BEFORE ENTERING ADJACENT PUBLIC STREETS.
Sd4	LOADING TURBIDITY BARRIER		A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. SEDIMENT TURBIDITY OBTAIN TO BE AWAY ON THIS SITE.

### SOILS LEGEND

MAP UNIT SYMBOL	MAP UNIT NAME
W	WATER
ML	MAINTAIN URBAN LAND COMPLEX



TOTAL DISTURBED AREA = 0.49 ACRES  
 24 HOUR CONTACT:  
 GREG THOMPSON  
 912-265-1700 EXT. 126



**amec**  
 AMEC ENVIRONMENT & INFRASTRUCTURE, INC.  
 1075 BIG SHANTY ROAD, NW  
 SUITE 100  
 KENNESAW, GA 30144  
 TEL 1770 421-3400

Professional Engineer Seal for Greg Thompson, State of Georgia, License No. 10000.

**PROJECT: BRUNSWICK**  
 REVEGETATION WALL CONSTRUCTION DRAWINGS  
 LAND LOT #10 DISTRICT OF GLYNN COUNTY, GEORGIA  
 GEORGIA PACIFIC  
 ATLANTA, GEORGIA  
 AMEC PROJECT No: 802-12-0135

NO.	DATE	BY	APPROVAL

DESIGNED BY:	JLS
DRAWN BY:	AMEC
CHECKED BY:	JLS
APPROVED BY:	JLS
DATE:	MAY 21, 2013

**DRAWING TITLE:**  
 INITIAL EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SHEET NUMBER	REV. #
C-103	0
SHEET 4 OF 17 SHEETS	

1 2 3 4 5 6 7 8 9 10 11 12



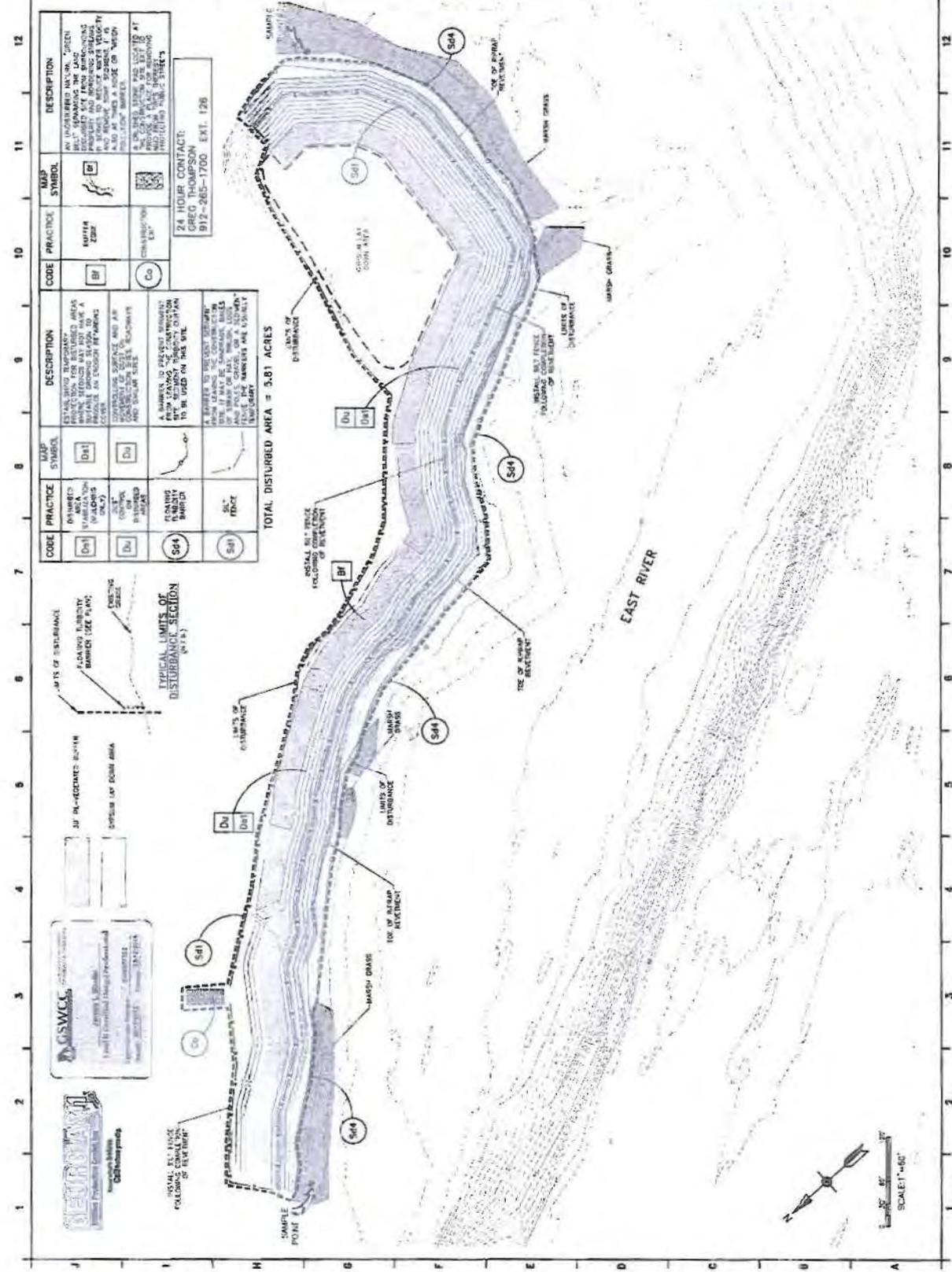
**PROJECT:**  
**BRUNSWICK**  
 SEBRIST HALL  
 CONSTRUCTION DISTURBANCE  
 LOTS 107 AND 108  
 SUBJECT OF  
 GAVIN COUNTY, GEORGIA  
 GEORGIA PACIFIC  
 ATLANTA, GEORGIA  
 AMEC PROJECT NO:  
 007-18-018

NO.	DATE	BY	DESCRIPTION

DESIGNED BY: ALE  
 DRAWN BY: MMB  
 CHECKED BY: JAG  
 APPROVED BY: AJS  
 DATE: 07/24/13

**SHEET TITLE:**  
 INTERMEDIATE EROSION  
 SEDIMENTATION &  
 POLLUTION CONTROL  
 PLAN

**SHEET NUMBER:** REV. #  
 C-104 0  
 SHEET 3 OF 9

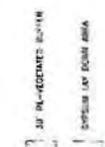


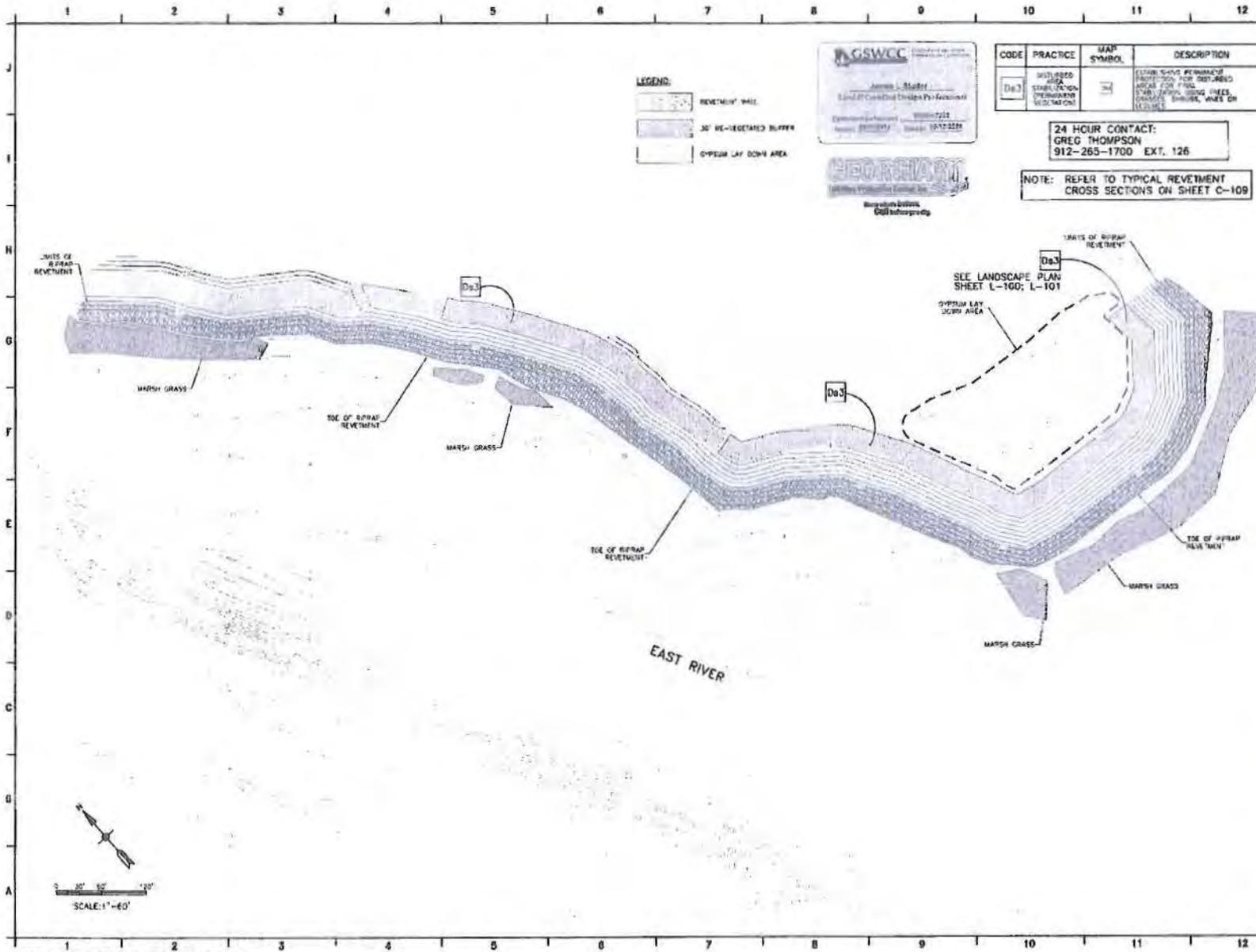
CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
BF	RIPARIAN BUFFER	[Symbol]	AN UNDISTURBED BUFFER, GREEN BELT, OR OTHER NATURAL VEGETATION THAT PROVIDES PROTECTION FROM EROSION, SEDIMENTATION, AND POLLUTION. ALSO PROVIDES WILDLIFE HABITAT AND AESTHETIC VALUE.
CO	CONSTRUCTION EROSION CONTROL	[Symbol]	CONSTRUCTION EROSION CONTROL MEASURES TO PREVENT EROSION AND POLLUTION DURING CONSTRUCTION.

CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
Du	DISBURBED BUFFER	[Symbol]	ESTABLISHING TEMPORARY BUFFER ZONES TO PROTECT PERMANENT BUFFER ZONES FROM EROSION AND POLLUTION. BUFFER ZONES MAY NOT HAVE A PERMANENT BUFFER ZONE TO COVER.
Du	DISBURBED BUFFER	[Symbol]	CONSTRUCTION EROSION CONTROL MEASURES TO PREVENT EROSION AND POLLUTION DURING CONSTRUCTION.
S04	RIPARIAN BUFFER	[Symbol]	A BUFFER TO PREVENT EROSION FROM LEAVING THE CONSTRUCTION SITE TO BE USED ON THE SITE.
S05	GRASS	[Symbol]	GRASS TO PREVENT EROSION AND POLLUTION.

24 HOUR CONTACT:  
 GREG THOMPSON  
 912-285-1700 EXT. 126

TOTAL DISTURBED AREA = 3.81 ACRES





**LEGEND:**

- REVEGETATION WALL
- 30' RE-VEGETATED BUFFER
- OPEN LAY DOWN AREA

**GSWCC** Georgia State Water Control Commission  
 James L. Mader  
 Land Use Control Design Professional  
 1000 Peachtree Street, N.E.  
 Atlanta, Georgia 30309  
 Phone: 404-525-7222  
 Fax: 404-525-7222

**GEORGIA**  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 10122  
 Exp. 12/31/02

CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
Da3	SOIL SEDIMENTATION CONTROL		STABILIZATION OF EROSION CONTROL AREAS FOR PROPOSED CONSTRUCTION USING PILES, CHAINS, STAPLES, NAILS OR NETS.

24 HOUR CONTACT:  
 GREG THOMPSON  
 912-265-1700 EXT. 126

NOTE: REFER TO TYPICAL REVEGETMENT CROSS SECTIONS ON SHEET C-109

**amec**  
 AMEC ENVIRONMENT & INFRASTRUCTURE, INC.  
 1075 BIG SHANTY ROAD, NW  
 SUITE 100  
 KENNESAW, GA 30144  
 TEL: (770) 421-3400



NOT VALID WITHOUT SIGNATURE AND DATE

**PROJECT:**  
**BRUNSWICK**  
 REVEGETATION WALL  
 CONSTRUCTION DRAWINGS  
 LAND LOT MID  
 DISTRICT OF  
 OLYN COUNTY, GEORGIA  
**GEORGIA PACIFIC**  
 ATLANTA, GEORGIA  
 AMEC PROJECT NO:  
 009-12-005

NO.	DATE	BY	APPROVED

DESIGNED BY: J.L.S.  
 DRAWN BY: J.A.C.  
 CHECKED BY: J.L.S.  
 APPROVED BY: J.L.S.  
 DATE: JUN 21, 2002

**SHEET TITLE:**  
 FINAL EROSION  
 SEDIMENTATION &  
 POLLUTION PLAN

SHEET NUMBER	REV #
C-106	0
SHEET 6 OF 7 SHEETS	









**amec**  
 AMEC ENVIRONMENT &  
 INFRASTRUCTURE, INC.  
 8755 BIR SHAWY ROAD, NW  
 SUITE 200  
 KENNESAW, GA 30144  
 TEL: 0770 471-9400



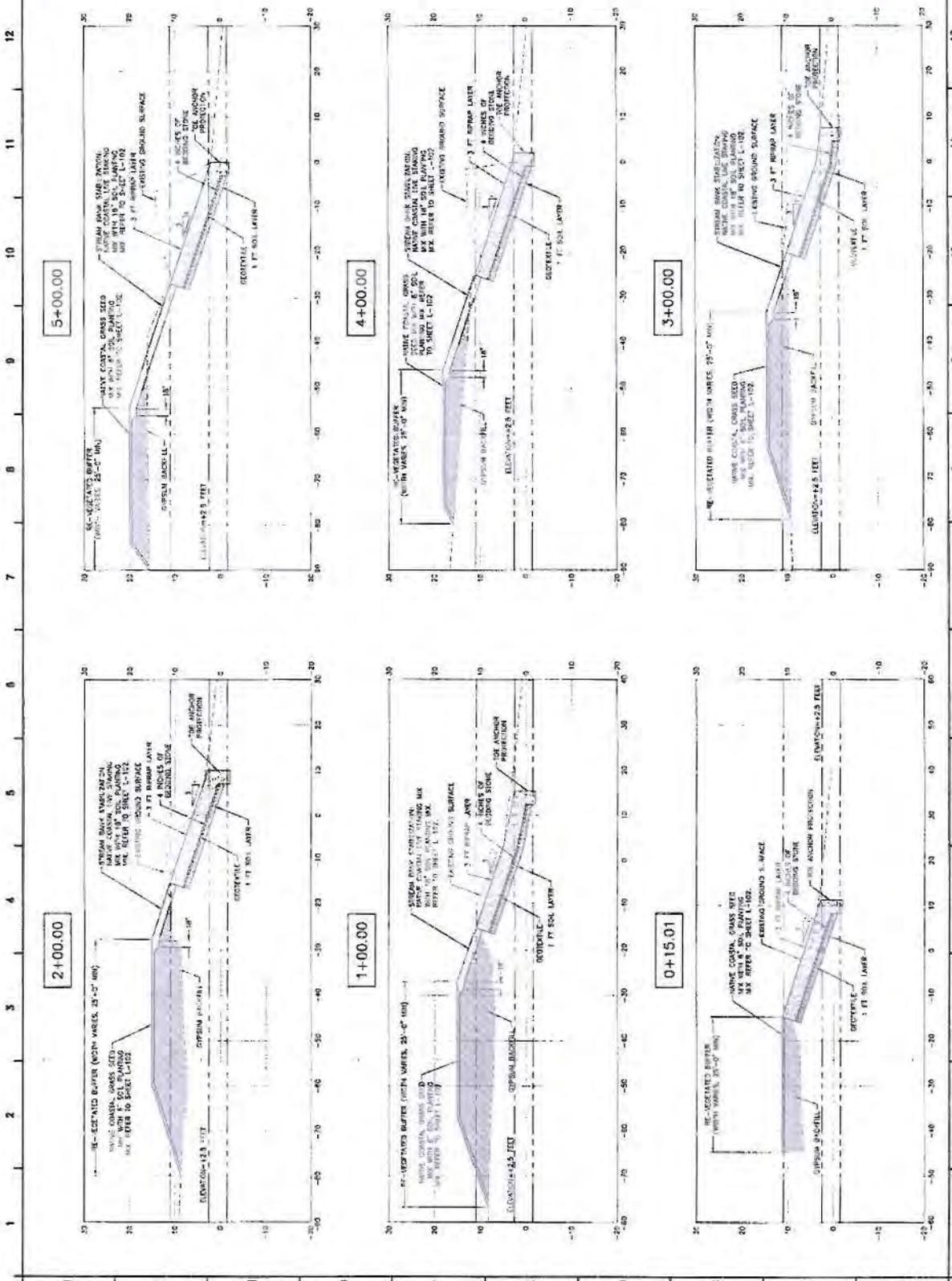
**PROJECT:**  
 BRUNSWICK  
 WASTEWATER TREATMENT PLANT  
 CONSTRUCTION CONTRACTORS  
 LAND LOT 160  
 GULF COUNTY, GEORGIA  
 GEORGIA PACIFIC  
 ATLANTA, GEORGIA  
 AEC PROJECT No.  
 2015-003

NO.	DATE	BY	APPROVAL

**DESIGNER:** EY  
**DESIGNED BY:** JLS  
**DRAWN BY:** WAO  
**CHECKED BY:** ASJ  
**APPROVED BY:** JLS  
**DATE:** LABEL EY 2.2.13

**SHEET TITLE:**  
 CROSS SECTIONS  
 1 OF 4

SHEET NUMBER	REV.
C-801	0



2+00.00

5+00.00

1+00.00

4+00.00

0+15.01

3+00.00



NOT VALID WITHOUT SIGNATURE AND DATE

**BRUNSWICK**  
 RECREATION WALL  
 CONSTRUCTION DRAWINGS  
 LAND LOT 100  
 DISTRICT OF  
 SHELBY COUNTY, GEORGIA  
 ATLANTA, GEORGIA  
 AMEC PROJECT No  
 021-0-053

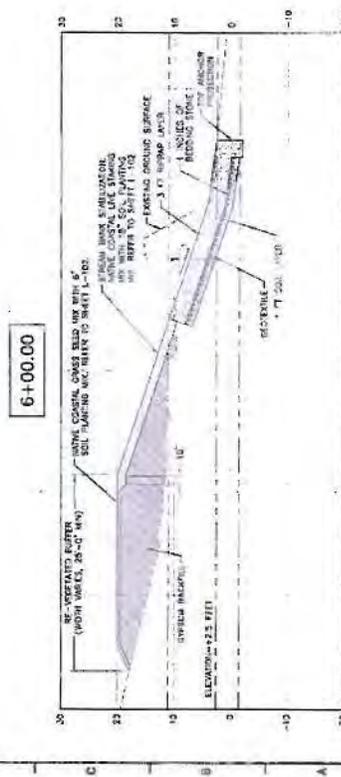
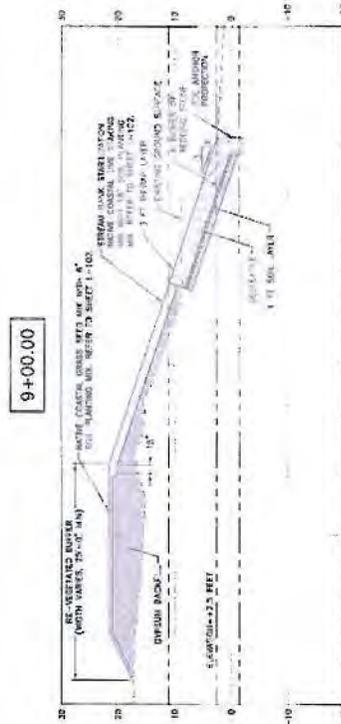
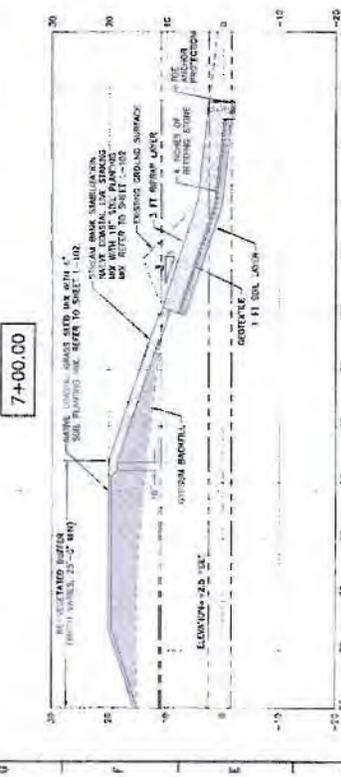
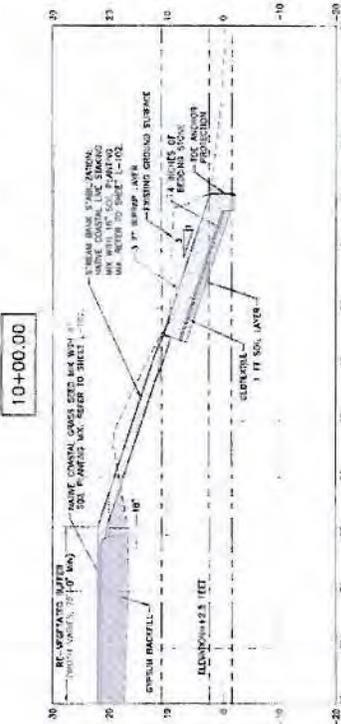
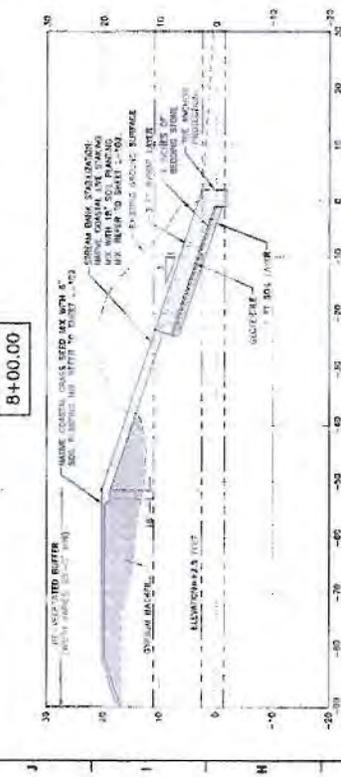
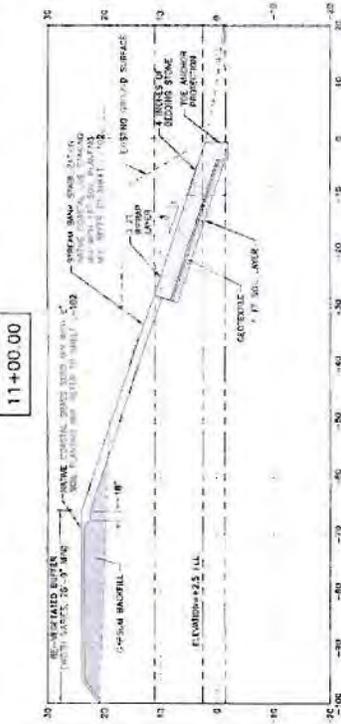
NO.	DATE	REVISIONS	BY	APP. BY

DESIGNED BY: JLS  
 DRAWN BY: JLS  
 CHECKED BY: JLS  
 APPROVED BY: JLS  
 DATE: JUNE 24, 2013

SHEET TITLE  
 CROSS SECTIONS  
 2 OF 4

SHEET NUMBER: REV #  
 C-302 0  
 SHEET 19 OF 19 SHEETS

1 2 3 4 5 6 7 8 9 10 11 12



1 2 3 4 5 6 7 8 9 10 11 12



AMEC ENVIRONMENT & INFRASTRUCTURE, INC.  
 1075 BIG BAY DRIVE, SUITE 100, WY  
 BLDG 500  
 KENNESAW, GA 30144  
 TEL: (770) 431-3400



15" SAND BASED SOIL MIX AND SAND

**PROJECT:**  
**BRUNSWICK**  
 INVERTMENT WALL  
 CONSTRUCTION DRAWING  
 LAND 101 NW  
 DISTRICT 01  
 DEKALB COUNTY, GEORGIA  
 GEORGIA PACIFIC  
 ATLANTA, GEORGIA

ADD PROJECT NO:  
 08-10-089

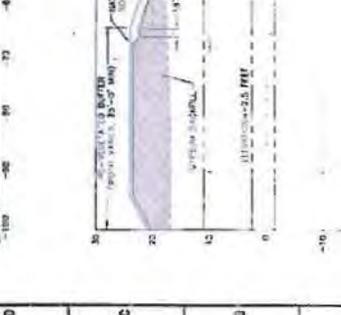
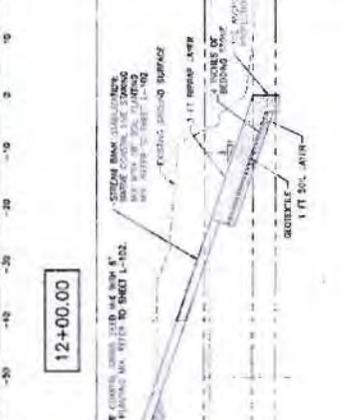
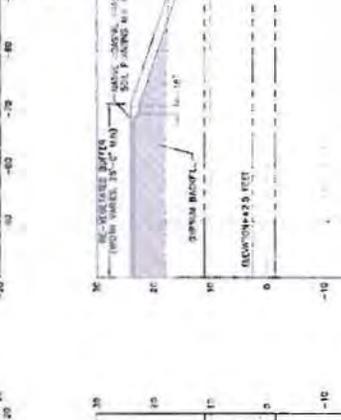
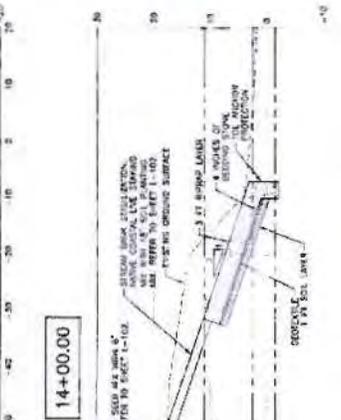
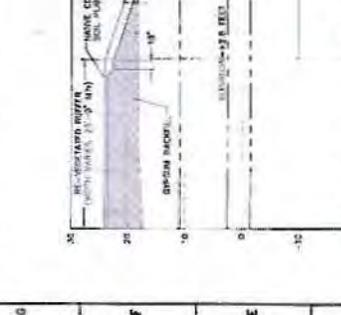
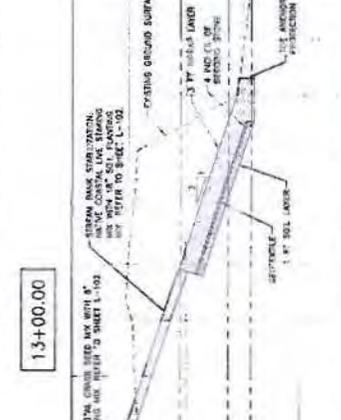
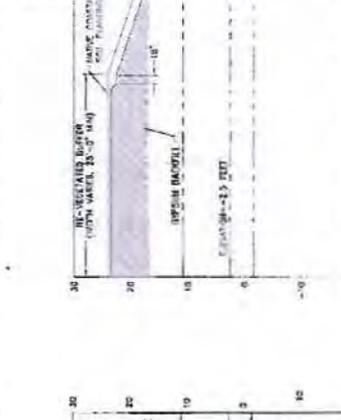
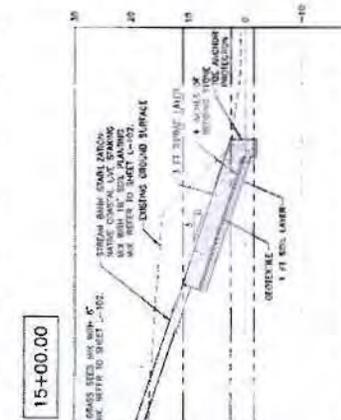
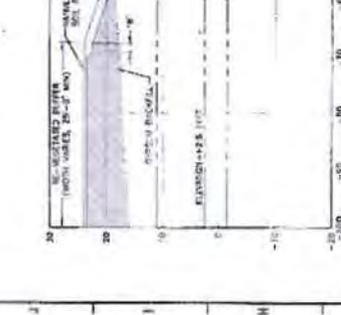
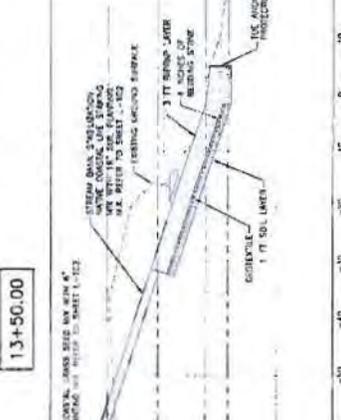
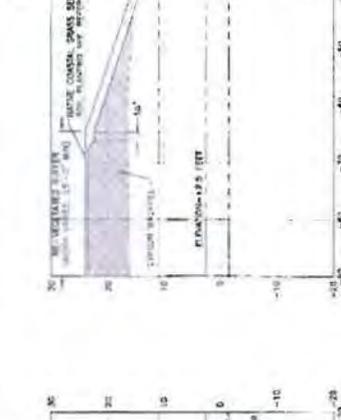
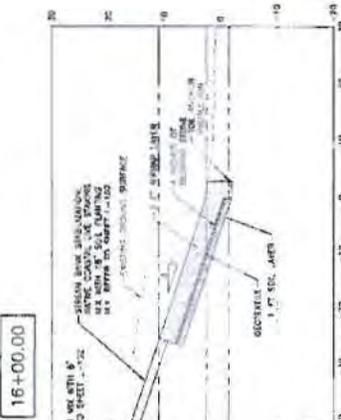
NO.	DATE	DESCRIPTION	APPROVED

DESIGNED BY: JCS  
 DRAWN BY: TVE  
 CHECKED BY: JCS  
 DATE: FEB 27, 2013

**SHEET TITLE:**  
**CHORS SECTIONS**  
 3 OF 4

**SHEET NUMBER:** HWY 0  
**C-303**  
**SHEET 19 OF 17 SHEETS**

1 2 3 4 5 6 7 8 9 10 11 12



A B C D E F G H I J



**amec**  
 AMEC ENVIRONMENT &  
 INFRASTRUCTURE, INC.  
 1075 BIG SHAWNEY ROAD, NW  
 SUITE 100  
 KENNESAW, GA 30144  
 TEL: 7701 421-8400

NOT VALID WITHOUT SIGNATURE AND DATE

M. J. McQuinn  
 State of Georgia  
 License No. 12000  
 Mechanical Engineering

**PROJECT:**  
**BRUNSWICK**  
 RETENTION WALL  
 CONSTRUCTION DRAWINGS  
 LAND LOT M10  
 DISTRICT OF  
 OLYMPIA COUNTY, GEORGIA  
 GEORGIA PACIFIC  
 ATLANTA, GEORGIA  
 AMEC PROJECT No:  
 810-12-8105

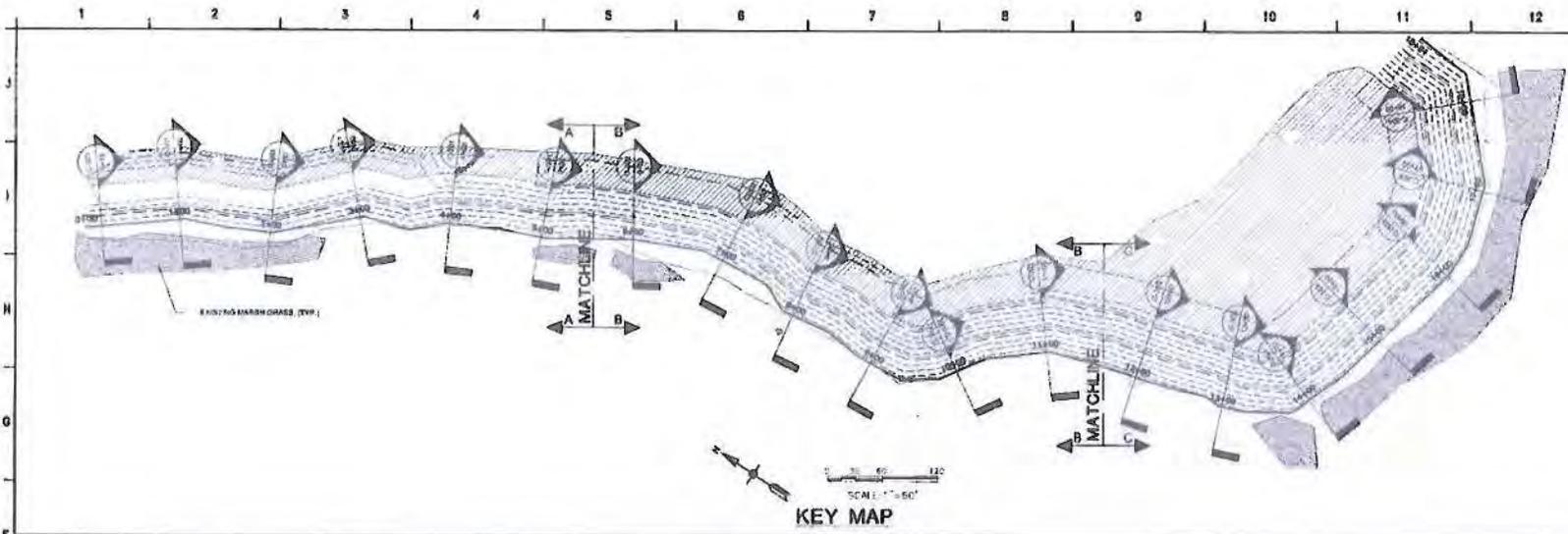
REVISIONS

NO.	DATE	BY	APPROVE

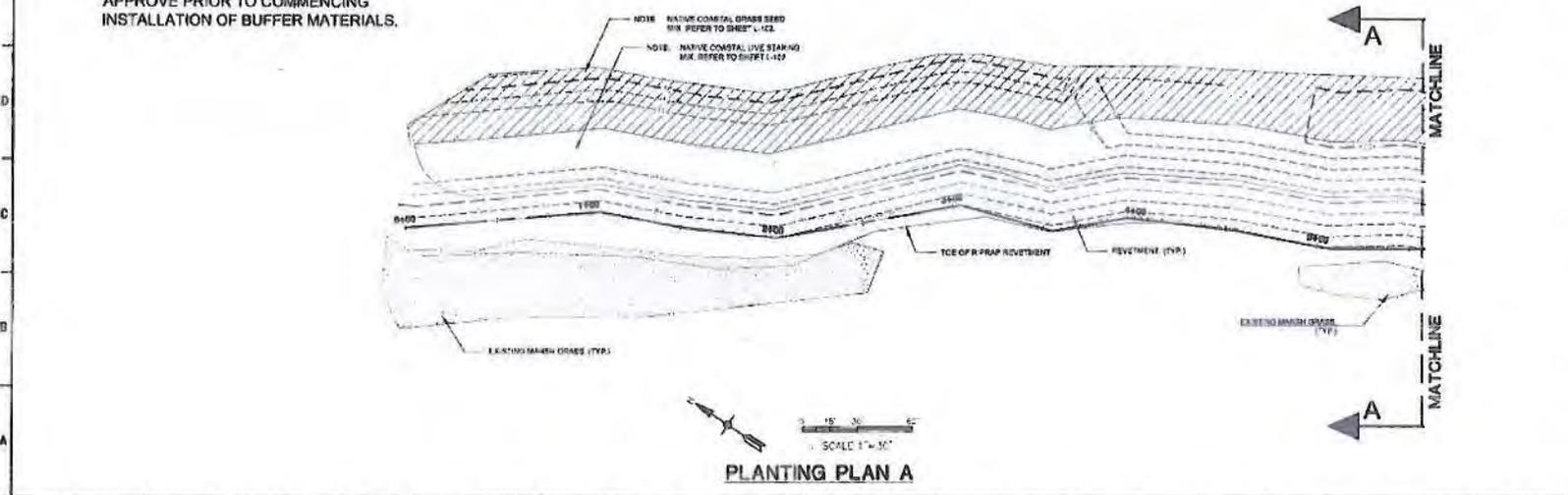
DESIGNED BY: LJS  
 DRAWN BY: MJC  
 CHECKED BY: ENC  
 APPROVED BY: LJS  
 DATE: APR. 24, 2013

**SHEET TITLE**  
 LANDSCAPE PLANTING  
 PLAN 1 OF 3

**SHEET NUMBER**    **REV.**  
 L-100                    0  
 SHEET 10 OF 17 SHEETS



**NOTE:** LOCATION OF 30'-0" RE-VEGETATED BUFFER IS APPROXIMATE. CONTRACTOR TO FIELD STAKE LOCATION OF 30'-0" RE-VEGETATED BUFFER AND OWNER TO APPROVE PRIOR TO COMMENCING INSTALLATION OF BUFFER MATERIALS.



**amec**  
 AMEC ENVIRONMENT &  
 INFRASTRUCTURE, INC.  
 1075 BIG SHANEY ROAD, NW  
 SUITE 100  
 KENNESAW, GA 30144  
 TEL: 7701 421-3400

*[Handwritten Signature]*  
 NOT VALID WITHOUT SIGNATURE  
 AND DATE

**PROJECT:**  
**BRUNSWICK**  
 REVEGETATION WALL  
 CONSTRUCTION DRAWINGS  
 LAND LOT 400  
 DISTRICT 01  
 CLYDE COUNTY, GEORGIA  
**GEORGIA PACIFIC**  
 ATLANTA, GEORGIA  
 AEC PROJECT No.  
 0742-013

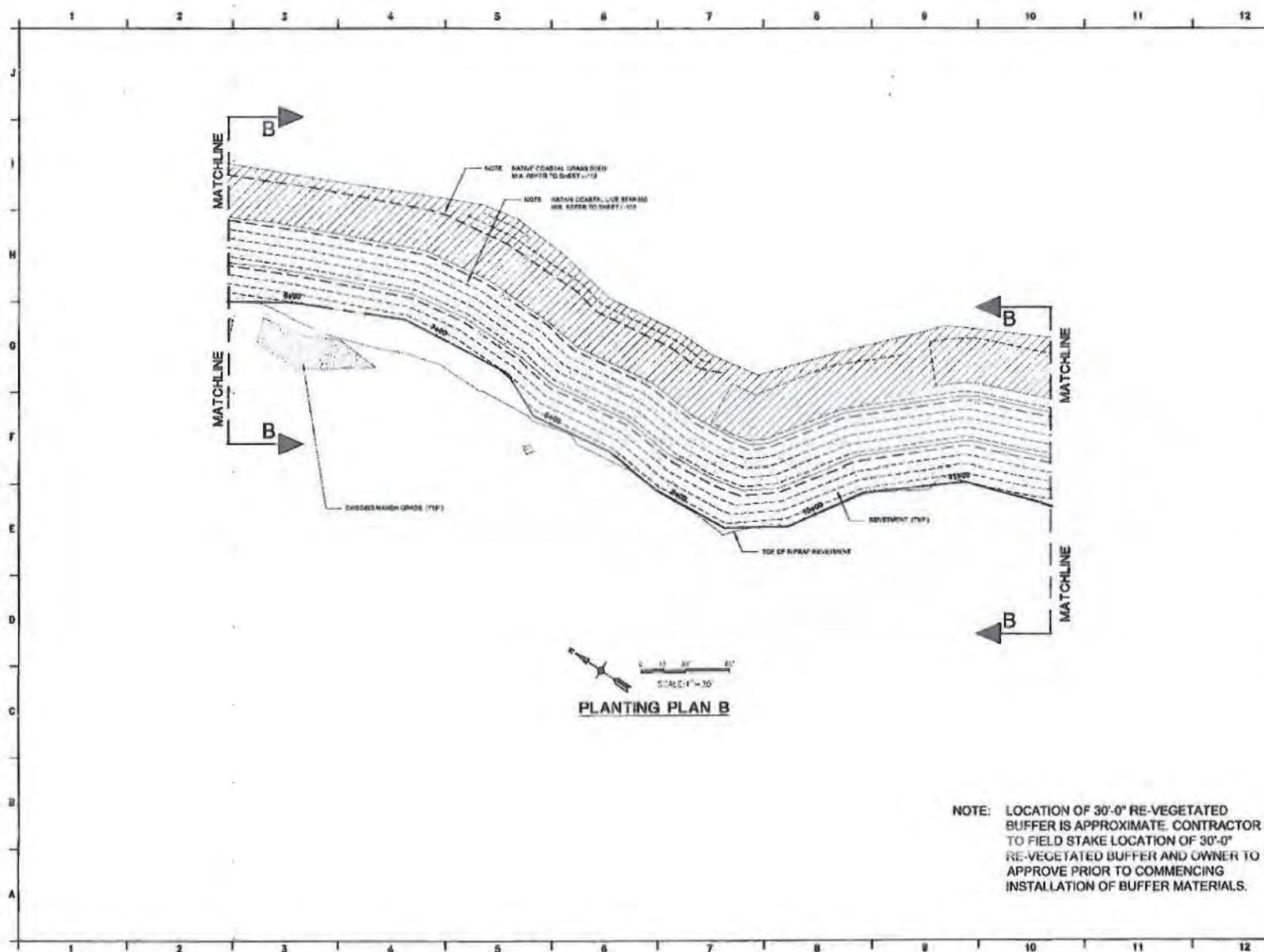
REVISIONS

NO.	DATE	BY	APPROVED

DESIGNED BY: JS  
 DRAWN BY: JMC  
 CHECKED BY: DHC  
 APPROVED BY: JS  
 DATE: JAN 26, 2013

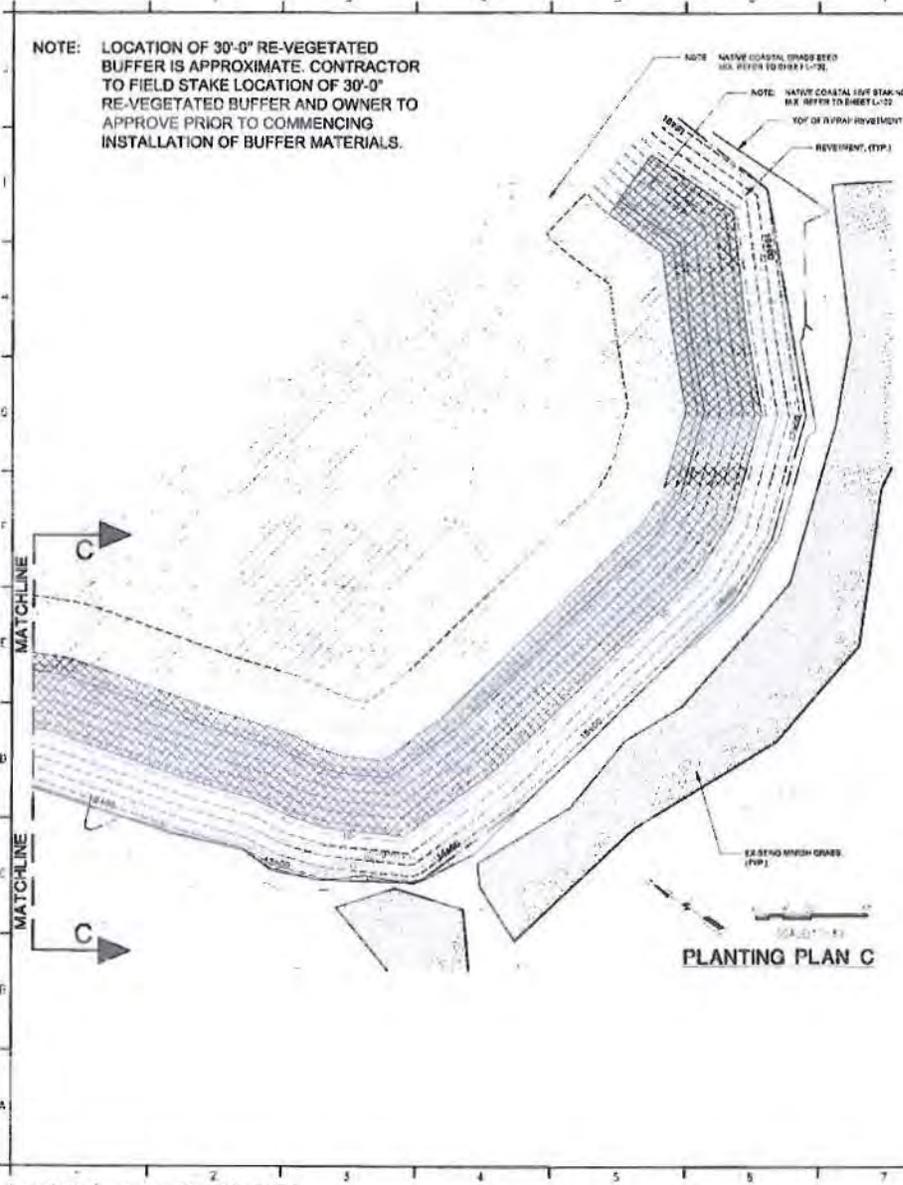
**SHEET TITLE:**  
 LANDSCAPE PLANTING  
 PLAN 1 OF 3

**SHEET NUMBER:** | **REV. #**  
 L-101 | 0  
 SHEET 15 OF 17 SHEETS



**NOTE:** LOCATION OF 30'-0" RE-VEGETATED BUFFER IS APPROXIMATE. CONTRACTOR TO FIELD STAKE LOCATION OF 30'-0" RE-VEGETATED BUFFER AND OWNER TO APPROVE PRIOR TO COMMENCING INSTALLATION OF BUFFER MATERIALS.

NOTE: LOCATION OF 30'-0" RE-VEGETATED BUFFER IS APPROXIMATE. CONTRACTOR TO FIELD STAKE LOCATION OF 30'-0" RE-VEGETATED BUFFER AND OWNER TO APPROVE PRIOR TO COMMENCING INSTALLATION OF BUFFER MATERIALS.

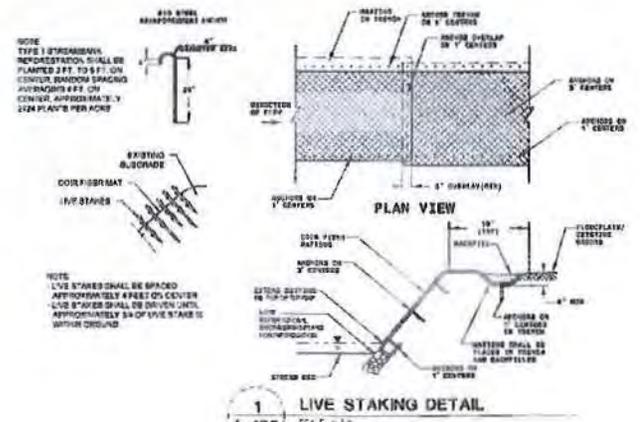


PLANTING PLAN C

PLANT SCHEDULE

SYM	QTY	REFERENCE UNIT	COMPOSITION	SIZE	SPACING	NOTES & COMMENTS
<b>GRASS SEED MIX</b>						
NO			NATIVE COASTAL GRASS MIX			
NO			SC COASTAL PLAIN (FLORIDA)	STAND-ALONE		
<b>LIVE STAKES</b>						
LS			NATIVE COASTAL LIVE STAKING MIX			
2000 SA			CORNIUS RUGEROSA	3/4" x 2 1/2" DIA	48" x 48"	2'-0" x 2'
3000 SA			LYONNUS SPINOSA	3/4" x 2 1/2" DIA	48" x 48"	2'-0" x 2'

- NOTES
- REFER TO SHEET L-101, L-102, & L-103 FOR LANDSCAPE MATERIAL LOCATIONS
- PLANTING NOTES
- ADVISE TO PLANT AND SPECIFICATIONS FOR ALL PHASES OF WORK. OVERALL PLANTING SCHEDULES ON PLANS INDICATE APPROXIMATE PLANTING LOCATIONS. FINAL PLANTING LOCATIONS & SPACING TO BE APPROVED BY ENGINEER AND OWNER.
  - VERIFY ALL UTILITY LOCATIONS IN THE FIELD BEFORE BEGINNING WORK. RETAIN DAMAGED UTILITIES TO OWNER'S SATISFACTION.
  - VERIFY QUANTITIES ON PLAN BEFORE BEGINNING WORK.
  - ALL MATERIALS ARE SUBJECT TO APPROVAL OF THE OWNER AT ANY TIME.
  - MULCH SHALL BE DRY, CLEAN AND FREE FROM ANY POTENTIAL WEEDS OR DETERIORATING MATERIAL. MIX OF PLANT PINS AND PLANTING BEDS WITH SPECIFIED MULCH TO THE DEPTH INDICATED ON THE DRAWINGS AND DETAILS.
  - MAINTAIN ALL PLANT MATERIAL UNTIL SUBSTANTIAL COMPLETION, UNLESS OTHERWISE SPECIFIED. MAINTENANCE INCLUDES WATERING, SPRINKLING, WEEDING, MULCHING, REPAIRS, FERTILIZING, CLEANUP, AND OTHER TASKS AS NEEDED.
  - GUARANTEE ALL MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR.



1 LIVE STAKING DETAIL

**amec**  
 AMEC ENVIRONMENT & INFRASTRUCTURE, INC.  
 1075 RIO SHANTY ROAD, NW  
 SUITE 300  
 KENNESAW, GA 30144  
 TEL: (770) 421-0100



**PROJECT:**  
**BRUNSWICK**  
 REVEGETATION WALL  
 CONSTRUCTION DRAWINGS  
 LAND LOT 110  
 DISTRICT OF  
 CLYDE COUNTY, GEORGIA  
**GEORGIA PACIFIC**  
 ATLANTA, GEORGIA  
 AMEC PROJECT No.  
 BRV-D-001

REVISIONS			
NO.	DATE	BY	APPROVED

DESIGNED BY: J.L.  
 DRAWN BY: J.L.  
 CHECKED BY: J.L.  
 APPROVED BY: J.L.  
 DATE: 06/24/13

**SHEET TITLE:**  
 LANDSCAPE PLANTING  
 PLAN 3 OF 3  
 LANDSCAPE DETAILS & NOTES

**SHEET NUMBER:** REV. #  
 L-102 0  
**SHEET 17 OF 17 SHEETS**