



COASTAL RESOURCES DIVISION
ONE CONSERVATION WAY • BRUNSWICK, GA 31520 • 912.264.7218
COASTALGADNR.ORG

MARK WILLIAMS
COMMISSIONER

DOUG HAYMANS
DIRECTOR

JUL 05 2018

Tim Nichols
Amec Foster Wheeler
1075 Big Shanty Road NW Suite 100
Kennesaw, GA 30144

Re: Letter of Permission (LOP) and Revocable License (RL) for Construction and Maintenance of Bank Stabilization and Culvert Maintenance within Coastal Marshlands Protection Act (CMPA) Jurisdiction, 151 Wahlstrom Street, Savannah River, Chatham County, Georgia. NWP 3(a)

Dear Mr. Nichols:

This Letter of Permission (LOP) is in response to your request on behalf of Georgia-Pacific Gypsum, LLC, dated March 20, 2018, to construct and maintain a bank stabilization project and maintain an existing outfall at the Georgia-Pacific Gypsum Plant on the Savannah River, Savannah, GA.

The proposed construction and maintenance will be scheduled around the low tide and includes installation of approximately 300ft. of rip-rap and a sheet pile toe wall along the north-western property line. The request also includes replacement of the existing outfall along the property's north-eastern boundary. The existing 36" outfall and the associated rip-rap will be removed and a new structure including a headwall and a 36" outfall fitted with a backflow preventer will be installed in the same footprint. Appropriately sized rip-rap will be placed to pre-existing contours below and above Ordinary High Water for scour and erosion protection.

The Department authorizes the culvert replacement as depicted in the attached construction drawings, provided all Best Management Practices (BMPs) are used to prevent any erosion and sedimentation at the site and to protect Coastal Marshlands. This LOP is not meant to exempt the above referenced activity from future environmental laws. **No unauthorized equipment, materials or debris may be placed, disposed of, or stored in jurisdictional areas.** Any incidental impacts associated with this project must be rectified by fully restoring areas to their pre-operational topographic and vegetative states.

This authorization does not relieve you from obtaining any other required federal, state, or local permits. Tidal water bottoms and marshlands of coastal Georgia are public trust lands controlled by the State, except for such lands where a validated Crown Grant or State Grant exists. The construction of the project proposed for this license must be completed 6 months from the date of issuance of the license. Future maintenance activities that occur within tidal waters and have the potential to cause adverse impact, either temporary or permanent, or that will be in the public's

JUL 05 2018

Georgia Pacific Gypsum, LLC LOP
Page 2 of 2

interest shall be reported to the Georgia Department of Natural Resources' Coastal Resources Division.

Please feel free to contact Deb Barreiro at 912.266.3695 if you have any questions regarding this or any other authorizations

Sincerely,



Jill Andrews
Chief, Coastal Management Section

Enclosures: Savannah River Shoreline Stabilization

cc: Rohn Mugford
Georgia-Pacific Gypsum, LLC
151 Wahlstrom Street
Savannah, GA 31404

LOP20180110

STATE OF GEORGIA

REVOCABLE LICENSE REQUEST FOR THE USE OF TIDAL WATERBOTTOMS

APPLICANTS NAME(S): Georgia-Pacific Gypsum LLC

MAILING ADDRESS: 151 Wahlstrom Road Savannah Georgia 31404
(Street) (City) (State) (Zip)

PROJECT ADDRESS/LOCATION: 151 Wahlstrom Road Savannah, Georgia 31404

COUNTY: Chatham WATERWAY: Savannah River DATE: May 11, 2018

LOT, BLOCK & SUBDIVISION NAME FROM DEED: Parcel One consisting of 32.86 acres more or less, from the deed found in Chatham County Book 328, Page 299

Georgia Department of Natural Resources
Coastal Resources Division One
Conservation Way Brunswick,
Georgia 31520-8687

I am requesting that I be granted a revocable license from the State of Georgia to encroach on the beds of tidewaters, which are state owned property. Attached hereto and made a part of this request is a copy of the plans and description of the project that will be the subject of such a license. I certify that all information submitted is true and correct to the best of my knowledge and understand that willful misrepresentation or falsification is punishable by law.

I understand that if permission from the State is granted, it will be a revocable license and will not constitute a license coupled with an interest. I acknowledge that this revocable license does not resolve any actual or potential disputes regarding the ownership of, or rights in, or over the property upon which the subject project is proposed, and shall not be construed as recognizing or denying any such rights or interests. I acknowledge that such a license would relate only to the property interests of the State and would not obviate the necessity of obtaining any other State license, permit or authorization required by State law. I recognize that I waive my right of expectation of privacy and I do not have the permission of the State of Georgia to proceed with such project until the Commissioner of DNR or his/her designee has signed a copy of this request.

Sincerely,
By: Matt Tiller Project Manager
(Applicant), title if applicable
By: _____
(Applicant), title if applicable

The State of Georgia hereby grants you a revocable license not coupled with an interest as provided in your request. This area may now or in the future be utilized by boats employing power drawn nets under the provisions for commercial or sport bait shrimping. In its occupancy and use of the premises, licensee shall not discriminate against any person on the basis of race, gender, color, national origin, religion, age, or disability. This covenant by licensee may be enforced by termination of this license, by injunction, and by any other remedy available at law to the Department. The project proposed for this license must be constructed and completed within **the specified timeframe associated with the authorization and/or transmittal letter associated with this revocable license** and must be maintained in serviceable condition. Otherwise, action will be initiated to revoke this license and all structures must be removed immediately at the licensee's expense.

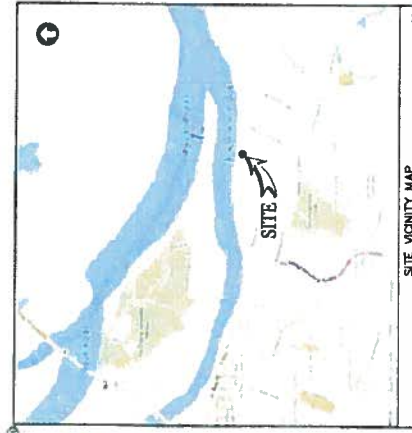
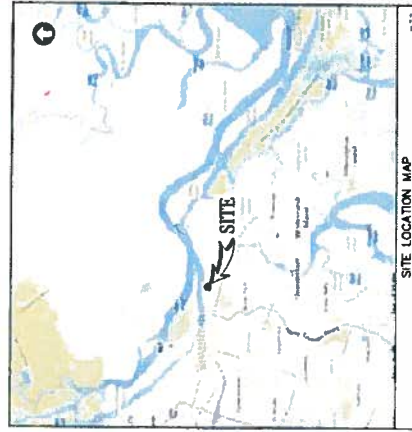
STATE OF GEORGIA
Office of the Governor
By: [Signature]
For: Mark Williams, Commissioner-DNR

Date: JUL 05 2018

SAVANNAH RIVER SHORELINE STABILIZATION

GEORGIA-PACIFIC GYPSUM – SAVANNAH FACILITY

SAVANNAH, CHATHAM COUNTY, GEORGIA



Sheet Number	Sheet Title
C-001	COVER SHEET
C-002	TOPOGRAPHIC SURVEY
C-101	SITE & GRADING PLAN
C-121	INITIAL EROSION CONTROL PLAN
C-131	INTERMEDIATE EROSION CONTROL PLAN
C-141	FINAL EROSION CONTROL PLAN
C-301	CROSS SECTION
C-501	CIVIL SITE DETAILS
C-502	OUTFALL BACKFLOW PREVENTER DETAILS
C-511	EROSION CONTROL DETAILS 1 OF 2
C-512	EROSION CONTROL DETAILS 2 OF 2
C-521	EROSION CONTROL NOTES 1 OF 2
C-522	EROSION CONTROL NOTES 2 OF 2
C-531	EROSION CONTROL CHECKLIST

FLOOD STATEMENT:
 ACCORDING TO FIRM PANEL #19051C0106P, EFFECTIVE DATE SEPTEMBER 26, 2008, THE SITE IS IN ZONE AL COASTAL FLOODING ZONE, BASE FLOOD ELEVATION AT 11' (NAVD88).

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

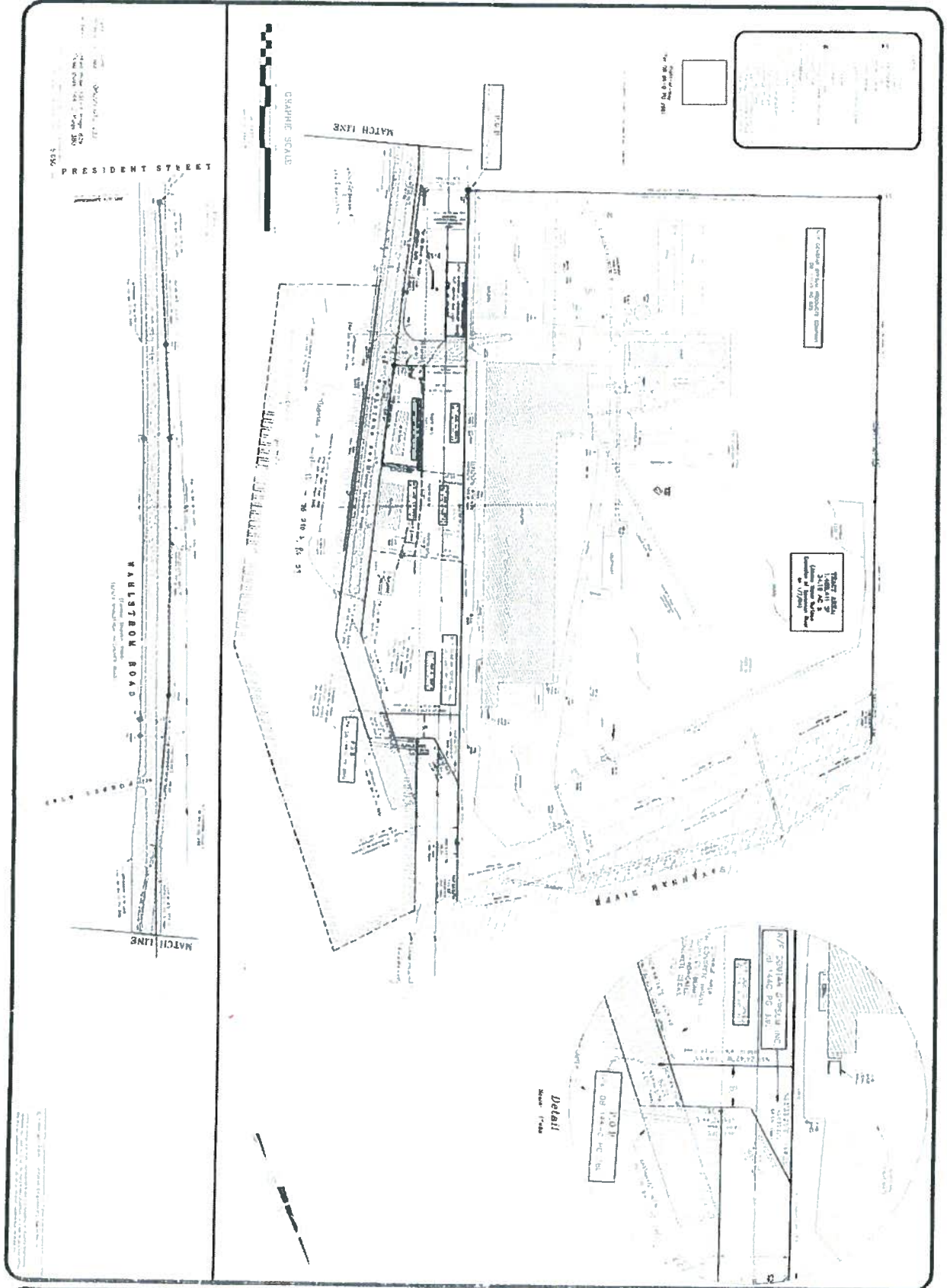
PREPARED BY:
amec foster wheeler
 Environment & Infrastructure, Inc.
 1075 BIG SHANTY ROAD NW, SUITE 100
 KENNESAW, GEORGIA 30144
 (770) 421-3400



24 HOUR CONTACT:
 MATT TILLER

PROJECT No. 6166-17-0726

REV.	DATE	DESCRIPTION



PRELIMINARY SURVEY of
GP Capem/Savannah Site

City of M. District
Chatham County, Georgia

Georgia-Pacific Corporation
133 Peachtree St. N.E.
Atlanta GA 30304



Atlanta Engineering Services, Inc.
185 Thompson St.
Alpharetta, Georgia 30004

Phone: 878-207-2560
Fax: 878-207-2560
www.aesuntech.com

DATE: 12/31/2004
PROJECT: GP Capem/Savannah Site
DRAWN BY: [Name]
CHECKED BY: [Name]



PROJECT:
SAVANNAH
RIVER
SHORELINE
STABILIZATION
SAVANNAH, GA

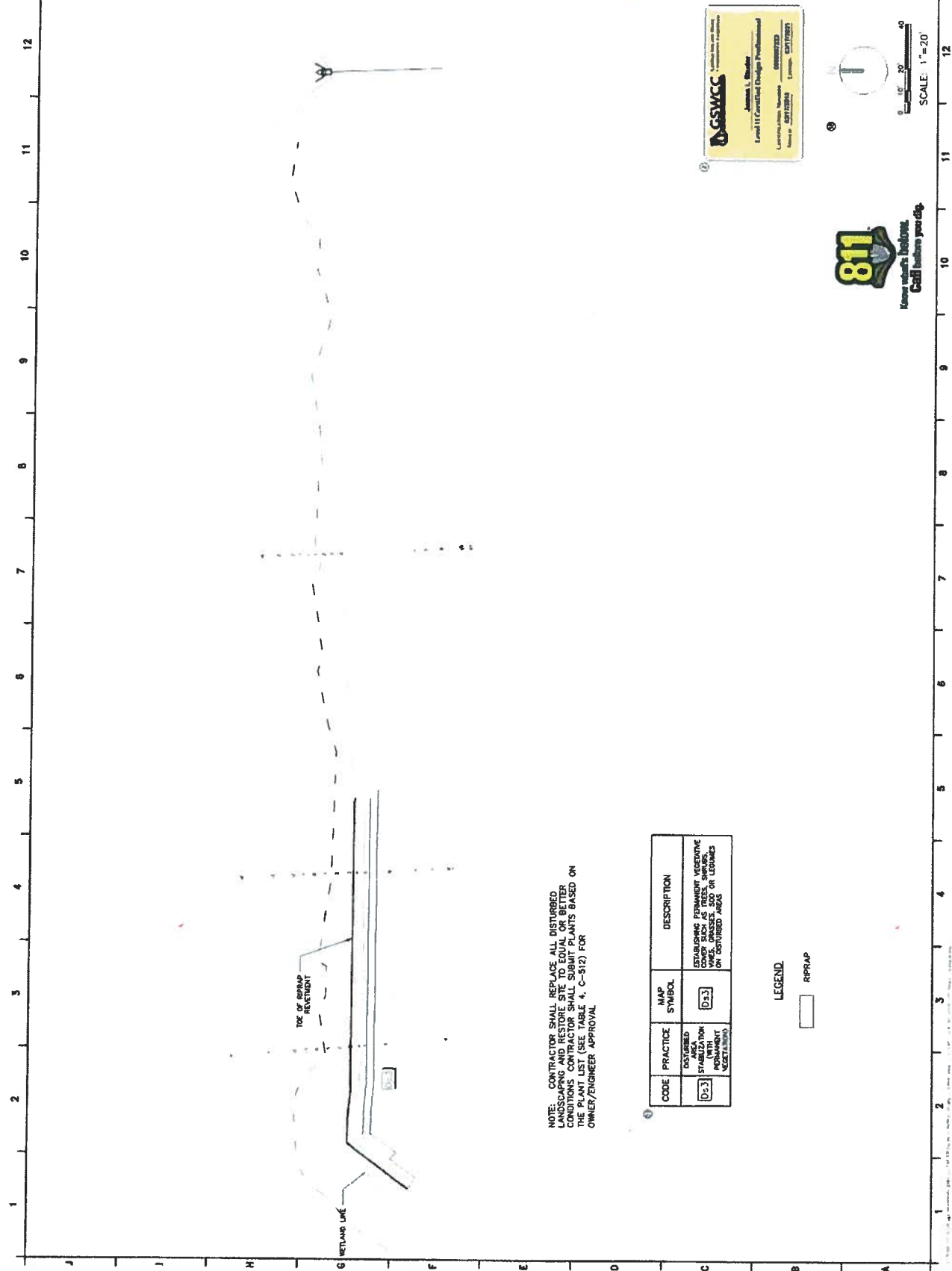
GEORGIA-PACIFIC LLC
133 PEACHTREE STREET
ATLANTA, GA 30303
TEL: 404-821-6000
PROJECT NO:
6166-17-0726

REV	DATE	BY	APPROVED

DESIGNED BY: JPC
DRAWN BY: JRW
CHECKED BY: A.S.
APPROVED BY: PWN
DATE: APR 26, 2018

SHEET TITLE:
FINAL EROSION
CONTROL PLAN

SHEET NUMBER: C-141
REV. # 0
SHEET # OF 14 SHEETS



NOTE: CONTRACTOR SHALL REPLACE ALL DISTURBED
WETLANDS WITH EQUIVALENT NATURAL OR BETTER
CONDITIONS. CONTRACTOR SHALL SUBMIT PLANT LIST BASED ON
THE PLANT LIST (SEE TABLE 4, C-812) FOR
OWNER/ENGINEER APPROVAL.

CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
D-3	STABILIZATION (WITH VEGETATION)	D33	ESTABLISHING PERMANENT VEGETATIVE WELLS, GRASSES, SOO, OR LEGUMES ON DISTURBED AREAS

LEGEND:
RIPRAP





NOT VALID WITHOUT SIGNATURE AND DATE

PROJECT:
SAVANNAH RIVER SHORELINE STABILIZATION SAVANNAH, GA

GEORGIA-PACIFIC, LLC
133 PEACOCK STREET
ATLANTA, GA 30303
TEL: 404-951-1000

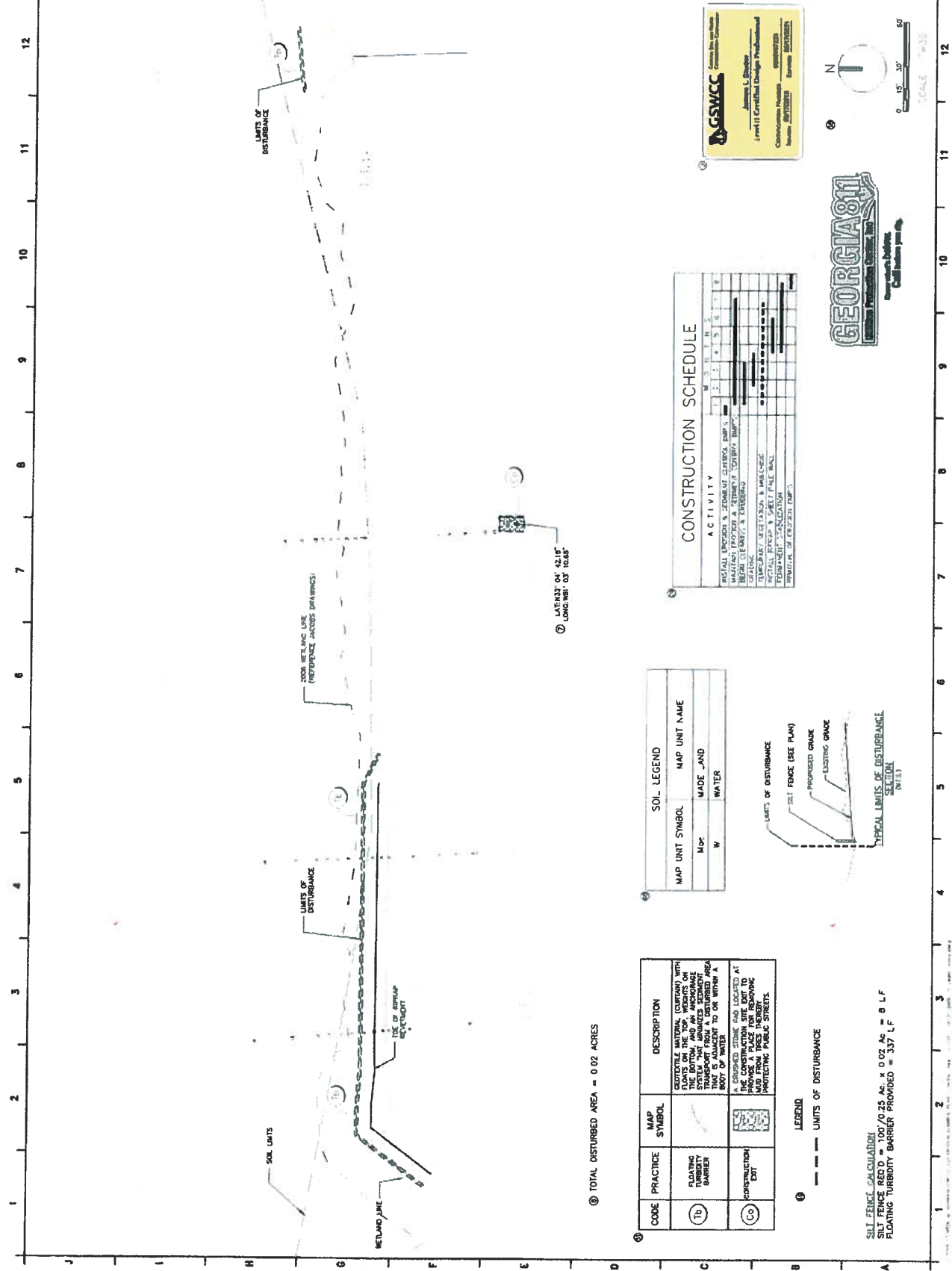
PROJECT No.
6186-17-0726

REV	DATE	BY	DESCRIPTION
1			

DESIGNED BY: MFC
DRAWN BY: USF
CHECKED BY: JLS
APPROVED BY: FNM
DATE: APR 26, 2018

SHEET TITLE:
INITIAL EROSION CONTROL PLAN

SHEET NUMBER	REV. #
C-121	0
SHEET TOTAL 18 SHEETS	



CONSTRUCTION SCHEDULE

ACTIVITY	W	T	F	T	F	S	S	S	S	S	S	S	S	S	S	S	S	S
INSTALL EROSION & SEDIMENT CONTROL BMP'S																		
MAINTAIN EROSION & SEDIMENT CONTROL BMP'S																		
REPAIR EROSION & TURBIDITY																		
IMPLEMENT VEGETATION & MAINTENANCE																		
INSTALL FENCE & SILENT PILE WALL																		
TERMINATE VEGETATION																		
REMOVAL OF EROSION BMP'S																		

SOIL LEGEND

MAP UNIT SYMBOL	MAP UNIT NAME
M-2	MADE SAND
W	WATER



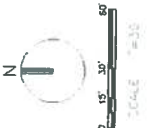
LEGEND

CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
1b	FLOATING TURBIDITY BARRIER	[Symbol]	GEOTEXTILE MATERIAL (GEMESH) WITH FLOATS ON THE TOP. WEIGHS ON BOTTOM AND HELD IN PLACE BY SYSTEM THAT MINIMIZES EXISTENT AREA TRANSPORT FROM A DISTURBED AREA BODY OF WATER.
6a	CONSTRUCTION EXIT	[Symbol]	A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION SITE EXIT TO PROTECT EXISTING SURROUNDING ROAD FROM TRUCK TIRES, PREVENTING TRUCK TIRES FROM TRACKING MUD FROM TRUCK TIRES PROTECTING PUBLIC STREETS.

LEGEND

--- LIMITS OF DISTURBANCE

SILT FENCE CALCULATION
SILT FENCE REQ'D = 100' / 0.25 Ac. x 0.02 Ac. = 8 L.F.
FLOATING TURBIDITY BARRIER PROVIDED = 337 L.F.



⑥ TOTAL DISTURBED AREA = 0.02 ACRES

⑦ LAT 132° 04' 42.18\"/>

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 foster wheeler
 ENVIRONMENT & INFRASTRUCTURE INC.
 1075 BIG SHAWTY ROAD, NW
 KENNESAW, GA 30144
 TEL: (770) 42-3400

NOT VALID WITHOUT SIGNATURE AND DATE

PROJECT:
SAVANNAH RIVER SHORELINE STABILIZATION
 SAVANNAH, GA

GEORGIA-PACIFIC, LLC
 125 PEACOCKS STREET
 ATLANTA, GA 30303
 TEL: 404-833-4000

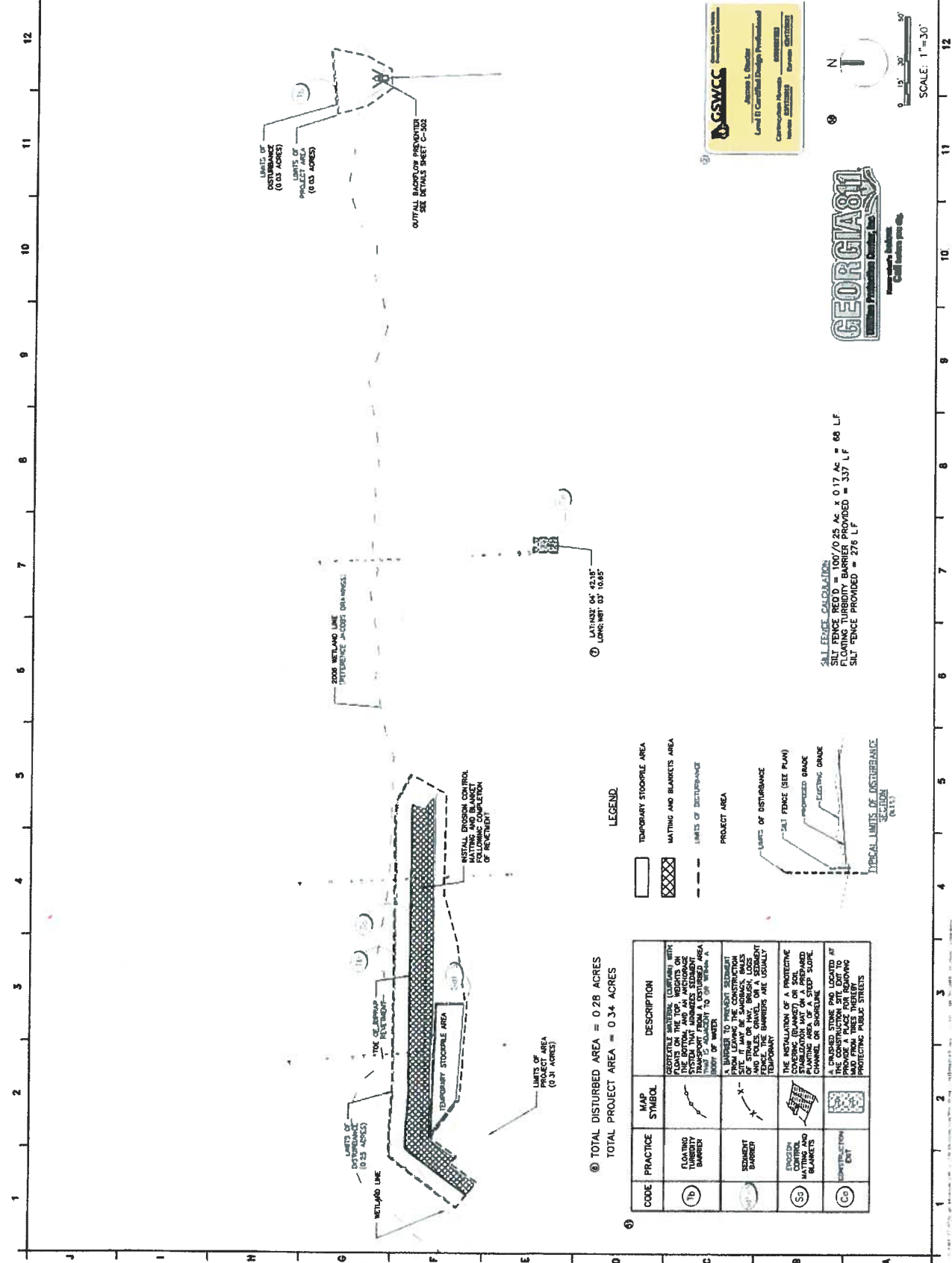
PROJECT NO:
 616A-17-0728

NO.	DATE	BY	APPROVED

DESIGNED BY:	MLC
DRAWN BY:	WTR
CHECKED BY:	ALC
APPROVED BY:	PMH
DATE:	APR 26, 2010

SHEET TITLE:
INTERMEDIATE EROSION CONTROL PLAN

SHEET NUMBER:	REV. #
C-131	0
SHEET OF:	SHEETS
11	12



GSVCC
 Georgia State Veterinary College
 Animal L. Specialist
 Level II Certified Design Professional
 Communication Specialist
 Veterinary Medicine
 Equine Medicine
 Equine Dentistry

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⑬ SILT FENCE CALCULATION:
 SILT FENCE SPACING (S) / 0.25 A_s = 0.17 A_d = 66 L.F.
 FLOODING TURBIDITY BARRIER PROVIDED = 337 L.F.
 SILT FENCE PROVIDED = 276 L.F.

SCALE: 1" = 30'
 0 15' 30' 50'

LEGEND

[Symbol]	TEMPORARY STOCKPILE AREA
[Symbol]	MATTING AND BLANKETS AREA
[Symbol]	LIMITS OF DISTURBANCE
[Symbol]	PROJECT AREA
[Symbol]	LIMITS OF DISTURBANCE
[Symbol]	SILT FENCE (SEE PLAN)
[Symbol]	PROPOSED GRADE
[Symbol]	EXISTING GRADE
[Symbol]	TYPICAL LIMITS OF DISTURBANCE (0.131)

CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
(1b)	FLOODING TURBIDITY BARRIER	[Symbol]	GENERATE BARRIERS, TYPICALLY WITH FLIGHTS ON THE TOP, LIGHTS OR THE BOTTOM, AND AN ANCHORAGE SYSTEM TO PREVENT TRANSPORT FROM THE DISTURBED AREA TO ADJACENT AREAS.
(5)	SEDIMENT BARRIER	[Symbol]	A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE ON ANY BRUSH, LOGS AND POLES, DRIVEN OR A SEDIMENT BARRIER ARE USUALLY TEMPORARY.
(5b)	EROSION CONTROL MATTING AND BLANKETS	[Symbol]	THE INSTALLATION OF A PROTECTIVE COVERING (BLANKET) OR SOIL STABILIZATION MATTING TO PREVENT EROSION OF SOIL.
(C3)	CONSTRUCTION SITE EROSION CONTROL	[Symbol]	A CRUSHED STONE PAV. LOCATED AT THE CONSTRUCTION SITE TO PREVENT EROSION AND FURNISH TRAFFIC PROTECTING PUBLIC STREETS.



NOT VALID WITHOUT
SIGNATURE AND DATE

PROJECT:
**SAVANNAH
RIVER
SHORELINE
STABILIZATION**
SAVANNAH, GA

GEORGIA-PACIFIC, LLC
133 PEACOCKE STREET
ATLANTA, GA 30303
TEL: 404-625-4800

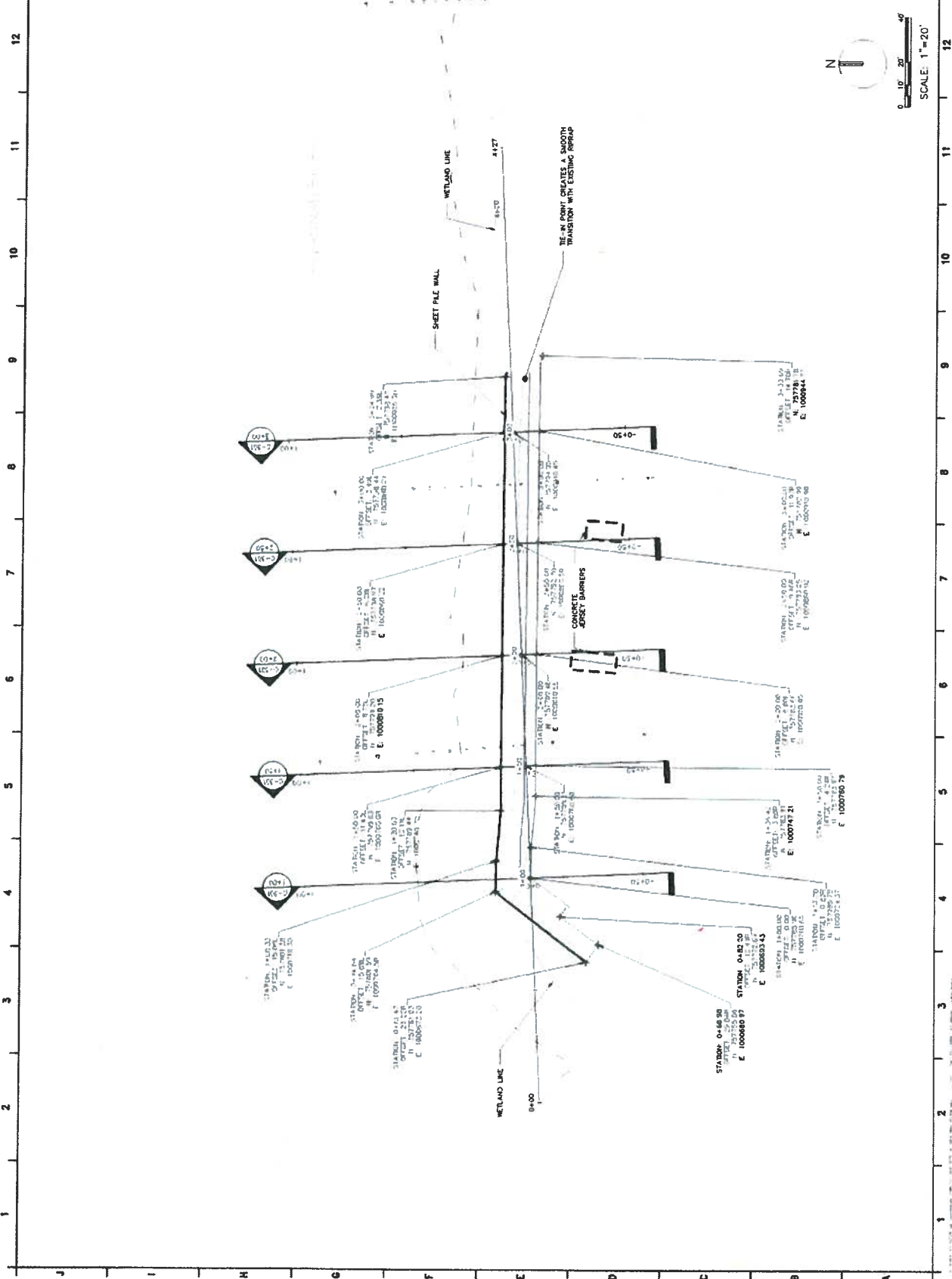
PROJECT NR:
9164-17-0728

NO.	DATE	REVISIONS BY	APPROVE

DESIGNED BY:	MAC
DRAWN BY:	JRW
CHECKED BY:	JL
APPROVED BY:	PMM
DATE:	APP 26 2018

SHEET TITLE:
SITE & GRADING PLAN

SHEET NUMBER:	REV. #
C-101	0
SHEET 1 OF 14 SHEETS	





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



NOT VALID WITHOUT
SIGNATURE AND DATE

PROJECT:
**SAVANNAH
RIVER
SHORELINE
STABILIZATION**
SAVANNAH, GA

GEORGIA-PACIFIC LLC
133 PACIFIC STREET
SAVANNAH, GA 31404
TEL: 404-857-4000

PROJECT No.
688-17-078

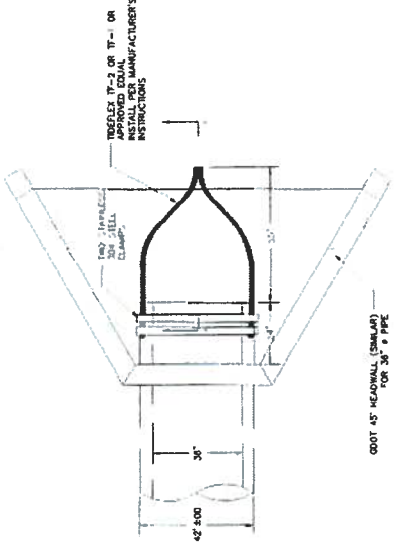
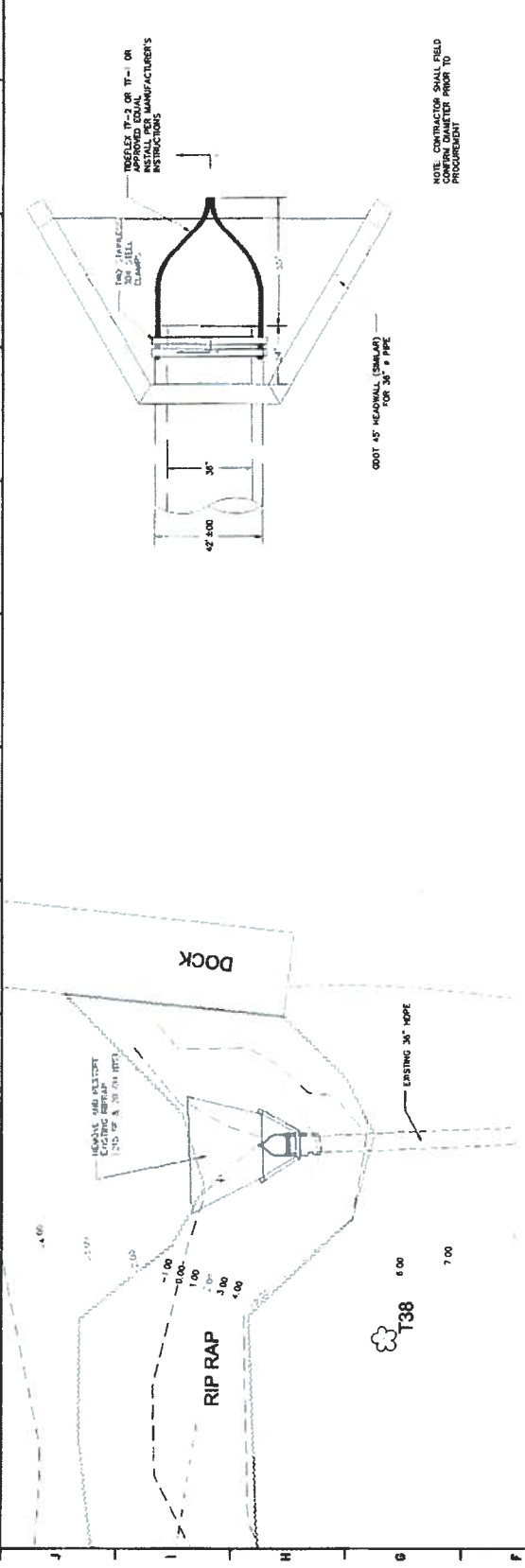
NO.	DATE	BY	APPROVAL
A			

DESIGNED BY:	AKC
DRAWN BY:	AKC
CHECKED BY:	AKC
APPROVED BY:	AKC
DATE:	APRIL 14, 2018

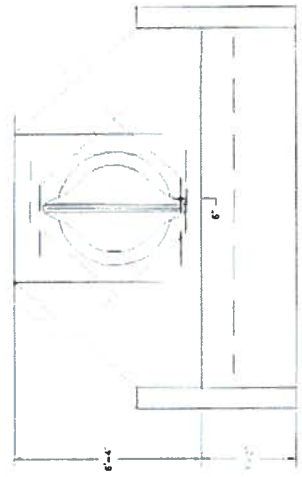
SHEET TITLE:
**OUTFALL BACKFLOW
PREVENTER DETAILS**

SHEET NUMBER:	C-502
REV. #	0
SHEET TOTAL	14
SHEET #	14

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



NOTE: CONTRACTOR SHALL FIELD
CONFIRM DIAMETER PRIOR TO
PROCUREMENT



OUTFALL BACKFLOW PREVENTER

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