



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS, MOBILE DISTRICT  
P.O. BOX 2288  
MOBILE, AL 36628-0001

**CESAM RD-A  
PUBLIC NOTICE NO. SAM-2018-00737-GAC**

**April 2, 2019**

**JOINT PUBLIC NOTICE  
U.S. ARMY CORPS OF ENGINEERS AND  
STATE OF ALABAMA  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**

**REQUEST TO DISCHARGE FILL MATERIAL INTO 1.76 ACRES OF WETLANDS IN  
CONJUNCTION WITH THE REPAIR AND REINFORCEMENT OF AN EXISTING AERATION  
STABILIZATION BASIN AT THE GEORGIA-PACIFIC MILL, BREWTON, ESCAMBIA  
COUNTY, ALABAMA**

TO WHOM IT MAY CONCERN: This District has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. 1344). Please communicate this information to interested parties.

APPLICANT: **Georgia-Pacific Brewton, LLC  
32224 Highway 31 South  
Brewton, Alabama 36427**

AGENT: **Arcadis U.S., Inc.  
3850 North Causeway Boulevard, Suite 990  
Metairie, Louisiana 70002**

LOCATION: **In wetlands adjacent to the Conecuh River, 32224 Highway 31 South, Latitude 31.067893° North, Longitude -87.105967° West, Section 7, Township 1 North, Range 9 East, Brewton, Escambia County, Alabama.**

PROJECT PURPOSE: **The basic project purpose is to repair and stabilize an existing impoundment. The overall project purpose is to repair and stabilize the outboard slopes of an existing aeration stabilization basin at the Georgia-Pacific Brewton Mill to prevent additional deterioration and potential failure of the southern embankment.**

PROPOSED WORK: **The applicant proposes to discharge approximately 21,700 cubic yards of commercially-obtained clay and gravel material into a total of 1.76 acres of hardwood forested wetlands for the construction of a compacted clay buttress on the exterior slopes of the existing aeration basin perimeter embankment, and for construction of a new gravel access road along the toe of the improved embankment for long-term maintenance. The proposed clay buttress would extend approximately 2,200 feet along the southern perimeter of the embankment and be graded with 3H:1V slopes to provide an increased safety factor and to allow access for maintenance equipment. The work would also involve the temporary clearing of 0.21 acre of forested wetlands along the project perimeter to provide area for temporary construction access and installation of Best Management Practices (BMPs) such as silt fencing.**

**AVOIDANCE AND MINIMIZATION:** The applicant has evaluated alternative designs that would avoid and/or minimize impacts to aquatic resources while meeting the project purpose and need. Due to the extent and location of wetlands adjacent to the project, and the need for stable, maintainable side slopes, complete avoidance of all aquatic resource impacts was not considered practicable by the applicant. The applicant has stated that impacts to aquatic resources were minimized to the maximum extent practicable by steepening the proposed buttress slope to 3H:1V to limit the overall footprint of impacts while providing appropriate grade for routine maintenance. Additionally, the applicant has proposed to utilize construction BMPs to prevent loss of sediment in adjacent wetlands. The U.S. Army Corps of Engineers (USACE), Mobile District, has not verified the adequacy of the applicant's avoidance and minimization efforts at this time.

**MITIGATION:** The applicant has proposed to compensate for unavoidable impacts to wetlands through the purchase of wetland mitigation credits from a USACE approved mitigation bank. The USACE has not verified the adequacy of the applicant's proposed mitigation plan at this time.

**WATER QUALITY:** The applicant has applied for certification from the State of Alabama in accordance with Section 401(a)(1) of the Clean Water Act. Upon completion of the required advertising and public comment review, a determination relative to water quality certification will be made by the Alabama Department of Environmental Management (ADEM).

**HISTORIC PROPERTIES:** In accordance with Section 106 of the National Historic Preservation Act and Appendix C of 33 CFR Part 325, the undertaking defined in this notice is being considered for the potential to affect cultural and historic properties within the permit area. In accordance with Appendix C of 33 CFR Part 325, the Mobile District has determined that the permit area consists of the entire undertaking in waters of the United States, which includes the footprint of the proposed fill areas and portions of the adjacent property that would be utilized for construction access and equipment and materials staging. The National Register of Historic Places will be consulted for properties listed, or eligible for listing, in the National Register, which are known to exist and would be affected by the proposed work. The Mobile District is seeking comment from the State Historic Preservation Officer regarding the existence, or the potential for existence, of significant cultural and historic properties within the permit area.

**ENDANGERED SPECIES:** Preliminary review of this application and the U.S. Department of the Interior's List of Endangered and Threatened Wildlife and Plants indicate that the proposed activity will have no effect on the following listed endangered or threatened species with the potential to exist within the watershed of the permit area: Wood Stork (T), Eastern Indigo Snake (T), Gopher Tortoise (candidate species), Choctaw Bean (E), Fuzzy Pigtoe (T), Narrow Pigtoe (T), Round Ebonyshell (E), Southern Kidneyshell (E), Southern Sandshell (T), and Gulf Sturgeon (T). There is designated critical habitat for the above-listed mussel species in the Conecuh River approximately 0.50 mile south of the action area; however, no direct or indirect effects to designated

critical habitat are anticipated as a result of the project activities. This determination is being coordinated with the U.S. Fish and Wildlife Service via this Public Notice.

**COMMENTS:** This public notice is being distributed to all known interested persons in order to assist in developing facts on which a decision by the USACE can be based. The Mobile District 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 proposed activity. Any comments received will be considered by the USACE 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 below. 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. 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 public hearings shall state with particularity, the reasons for holding a public hearing. For accuracy and completeness of the record, all data in support of or in opposition to the proposed work should be submitted in writing, setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition.

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, and in general, the needs and welfare of the people. Evaluation of the probable impacts involving deposits of dredged or fill material into waters of the United States will also include the application of guidelines established by the Administrator of the U.S. Environmental Protection Agency.

Correspondence concerning this notice should refer to Public Notice Number **SAM-2018-00737-GAC**, and should be directed to the USACE project manager, Mr. Dylan C. Hendrix, by e-mail at [dylan.c.hendrix@usace.army.mil](mailto:dylan.c.hendrix@usace.army.mil), or (251) 694-3772, or by mail at USACE, Mobile District, Regulatory Division, Attention: Mr. Dylan C. Hendrix, Post Office Box 2288, Mobile, Alabama 36628-0001, with a copy furnished to the ADEM, Field Operations Division, Post Office Box 301463, Montgomery, Alabama 36110-2059.

**All comments should be received no later than 30 days from the date of this Public Notice.** Please refer to the above Public Notice Number SAM-2018-00737-GAC, in any communication concerning this project.

For additional information about our Regulatory Program, please visit our web site at [www.sam.usace.army.mil/Missions/Regulatory.aspx](http://www.sam.usace.army.mil/Missions/Regulatory.aspx).

MOBILE DISTRICT  
U.S. Army Corps of Engineers

Attachments

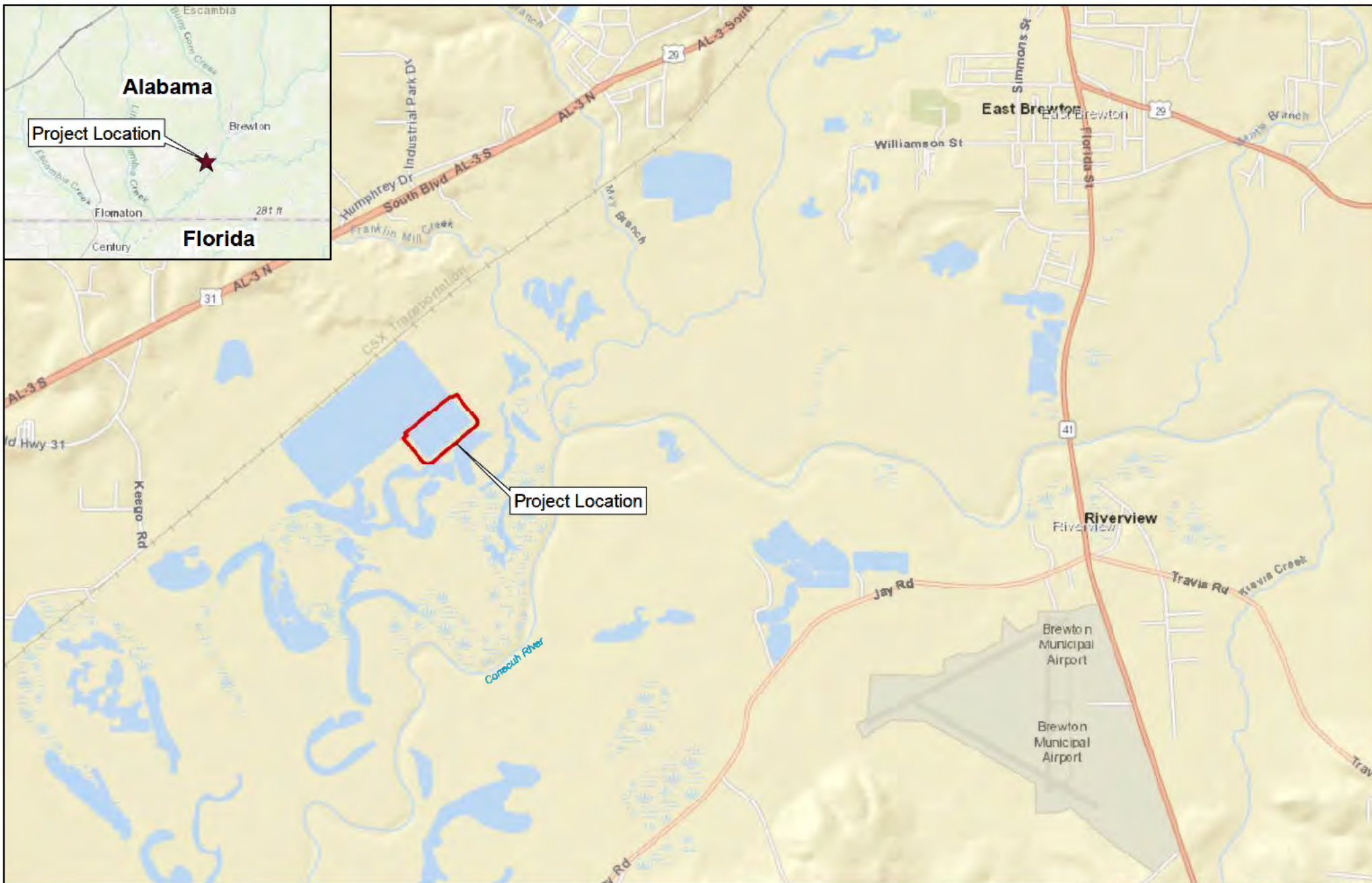


Figure 1: Project Vicinity Map  
 Aerated Stabilization Basin  
 Georgia-Pacific Brewton, LLC  
 Brewton, Alabama  
 Project No. B0066181.0004



0 1,450 2,900 5,800  
 Feet

1:34,910

Background Source: ESRI Aerial Basemap (DigitalGlobe image taken 10/30/2017), ESRI USA Topo Basemap

 Project Area

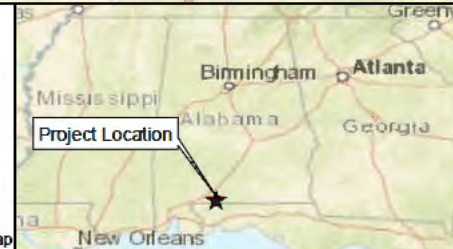
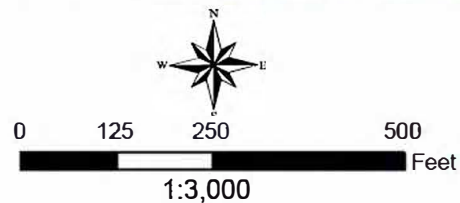


Figure 1- SAM-2018-00737-DCH

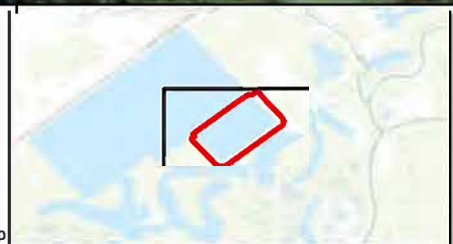




Figure 2: Jurisdictional Waters Map  
 Aerated Stabilization Basin  
 Georgia-Pacific Brewton, LLC  
 Brewton, Alabama  
 Project No. B0066181.0004



- Canal
- ▨ Wetland
- Data Point
- Project Area



Background Source: ESRI Aerial Basemap (DigitalGlobe image taken 10/30/2017), ESRI Topographic Basemap



Current Plot Style : ByColor  
Layout Tab: C-01

# GEORGIA-PACIFIC BREWTON, LLC AERATED STABILIZATION BASIN EMBANKMENT REPAIR PLANS

BREWTON, ESCAMBIA COUNTY, ALABAMA

MARCH 2018



LOCATION MAP

## INDEX OF DRAWINGS

DRAWING	NUMBER
TITLE SHEET	C-01
EXISTING CONDITIONS	C-02
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PERIMETER EMBANKMENT TYPICAL SECTIONS AND DETAILS	C-04
INBOARD SLOPES REPAIR PLAN VIEW AND TYPICAL SECTIONS	C-05
PILE FOUNDATIONS AND INBOARD SLOPES REPAIR TYPICAL DETAILS	C-06

### KEY CONTACTS:

**PROJECT SITE:**  
GEORGIA-PACIFIC BREWTON, LLC  
32224 HIGHWAY 31 SOUTH  
BREWTON, ALABAMA 36426

**OWNER:**  
GEORGIA-PACIFIC BREWTON, LLC  
32224 HIGHWAY 31 SOUTH  
BREWTON, ALABAMA 36426  
TELEPHONE: 251-809-7358  
CONTACT: ROBERTO FLORES

**ENGINEER:**  
ARCADIS U.S., INC.  
2101 L STREET NW  
SUITE 200  
WASHINGTON, DC 20037  
TELEPHONE: 703-465-4227  
CONTACT: CHRISTINA VULOVA

**SURVEYOR:**  
ARCADIS G&M OF NORTH CAROLINA, INC.  
801 CORPORATE CENTER DRIVE  
SUITE 300  
RALEIGH, NORTH CAROLINA 27607  
TELEPHONE: 919-415-2348  
CONTACT: CONTACT: A. CORY WILLIAMS

Acad Version : R21.0s (LMS Tech) Date/Time : Tue, 20 Nov 2018 - 5:32pm  
User Name : G-P Brewton Plans-L.dwg  
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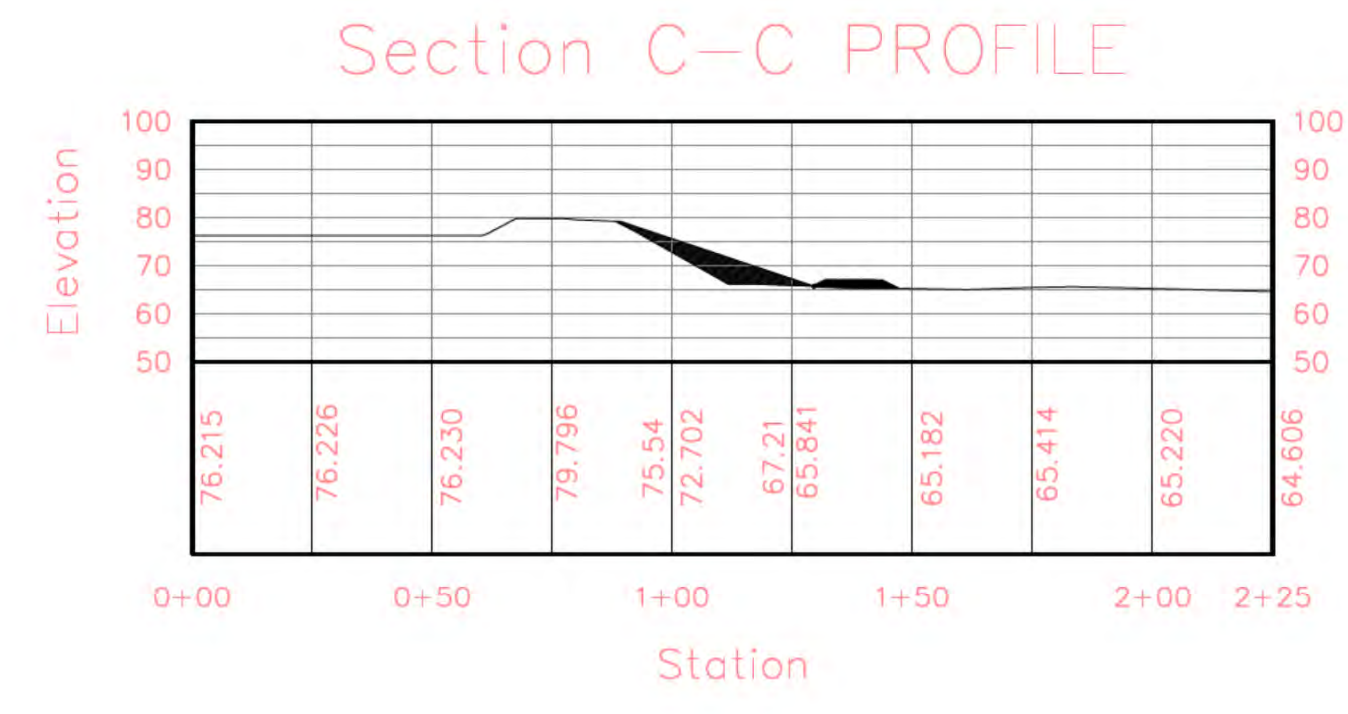
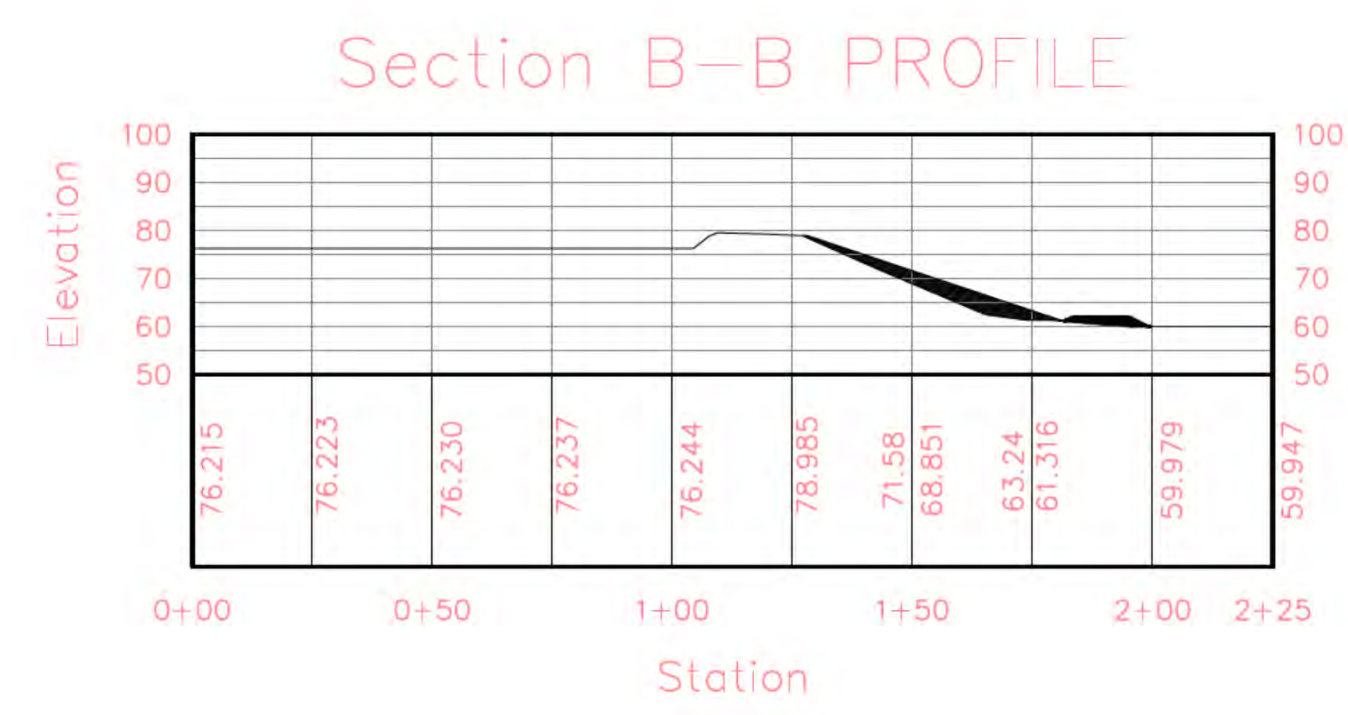
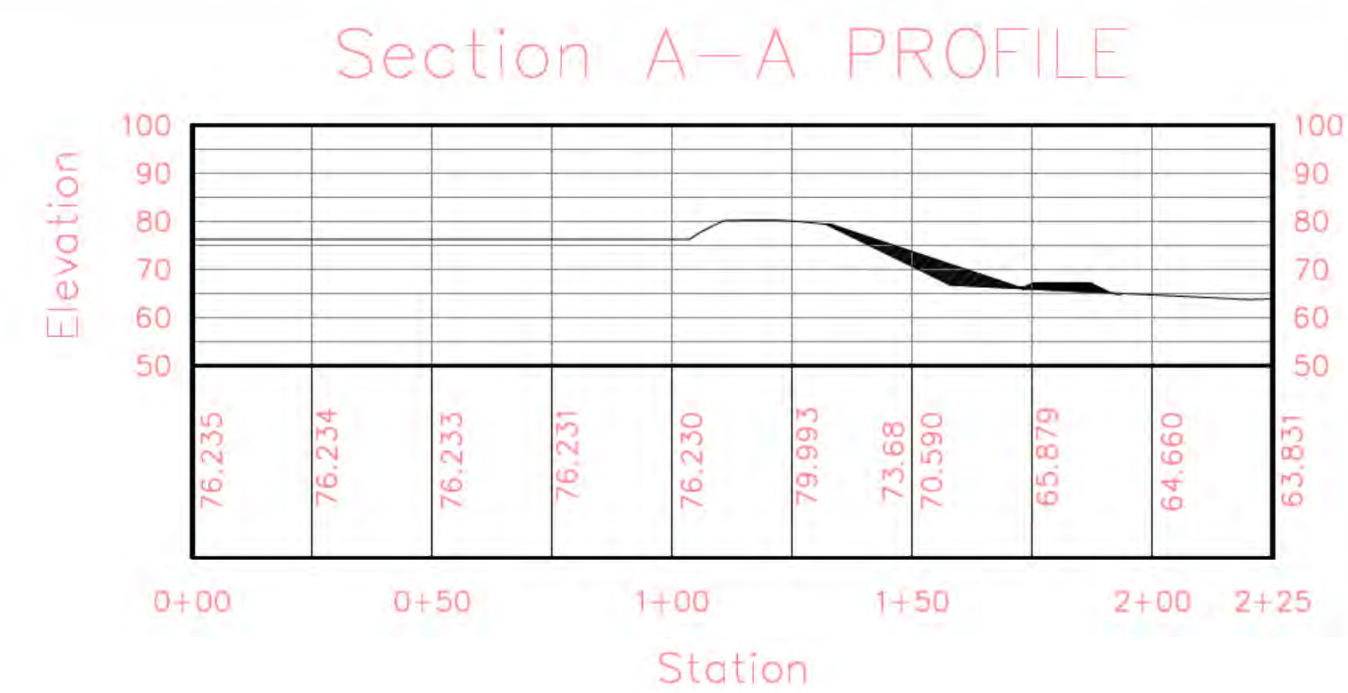
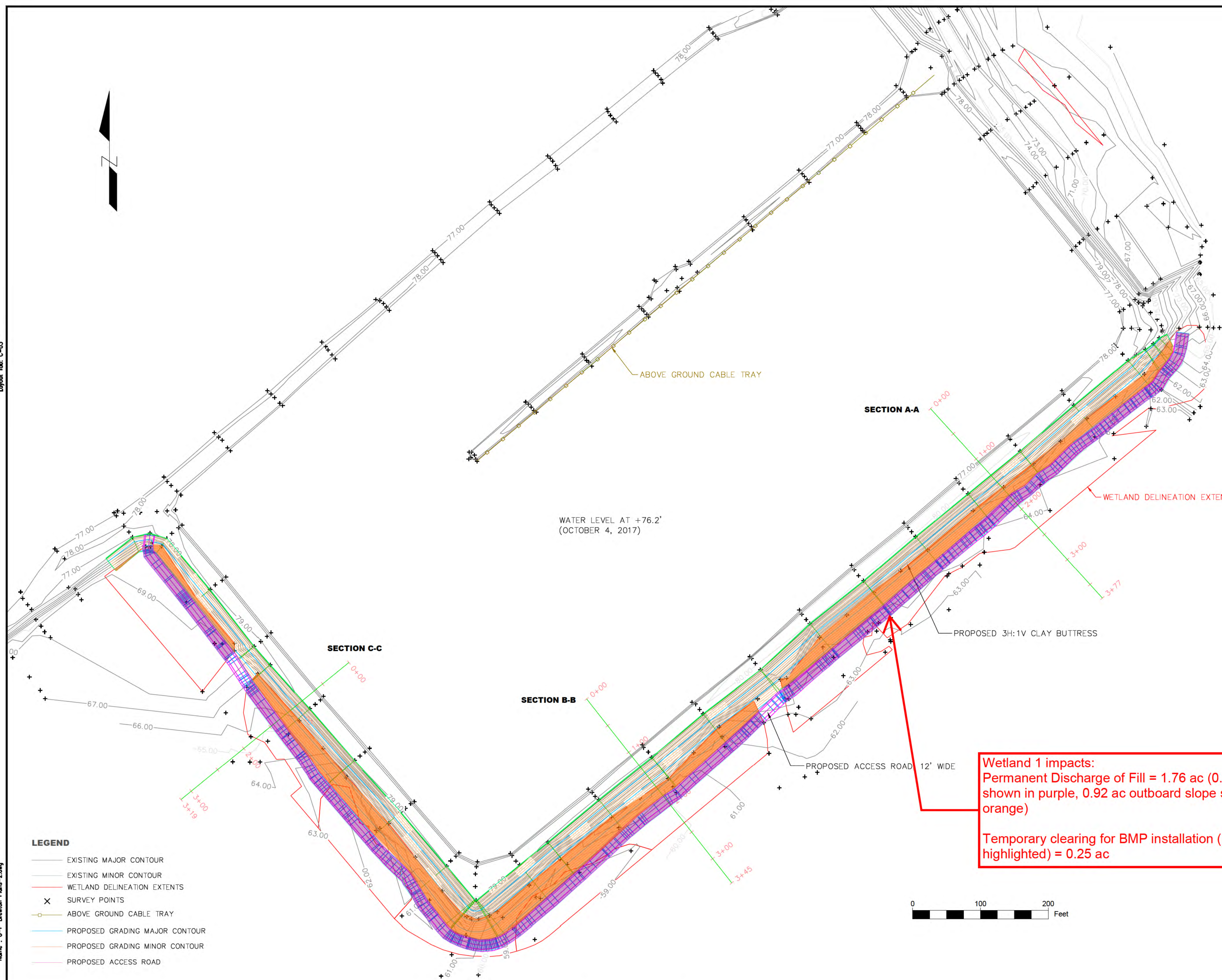
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING. USE TO VERIFY FIGURE REPRODUCTION SCALE.	REVISION	ISSUE DATE	DESCRIPTION	KEYPLAN	SEAL	SEAL	<p>ARCADIS U.S., Inc. 2101 L Street NW, Suite 200 Washington, DC 20037 Tel: 703 351 9100; Fax: 703 351 1305 www.arcadis.com</p>	GEORGIA-PACIFIC BREWTON, LLC • BREWTON, ALABAMA CIVIL WORK SCOPE	PROJECT MANAGER	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY	
	0	3/16/2018	ISSUED FOR REVIEW						RKL	JAP	CW	RKL	
	NOT FOR CONSTRUCTION												
									SHEET TITLE		TASK/PHASE NUMBER	DRAWN BY	
									TITLE SHEET		1	CW	
											PROJECT NUMBER	DRAWING NUMBER	
											B0066181.0004	C-01	

Figure 3 - SAM-2018-00737-GAC



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- NOTES:**
- CONSTRUCT ACCESS ROAD PARALLEL TO THE TOE OF THE PROPOSED CLAY BUTTRESS. CONSTRUCT 12 FEET WIDE ACCESS ROAD BY PLACING 18-INCH STONE ON A LAYER OF NON-WOVEN GEOTEXTILE PLACED ON THE EXISTING GRADE.
  - CONSTRUCT THE COMPACTED CLAY BUTTRESS ON A LAYER OF DRAINAGE GEOTEXTILE. CONSTRUCT THE BUTTRESS WITH A 3H:1V SIDE SLOPE EXTENDING TO THE TOP OF THE PERIMETER EMBANKMENT.
  - AFTER THE EMBANKMENT IS CONSTRUCTED RESURFACE THE ROAD AND PLACE ADDITIONAL STONE PER DETAIL 1 ON SHEET C-04.
  - THE BUTTRESS AND THE ACCESS ROAD ARE IN DELINEATED WETLANDS AND SHOULD NOT BE CONSTRUCTED WITHOUT A PERMIT. THE WETLAND AREA IMPACTED BY THE PROJECT IS:
    - PERMANENT IMPACT = 1.82 ACRES
  - QUANTITIES:
    - CLEARING & GRUBBING AREA = 2 ACRES
    - ROAD FILL VOLUME = 3,100 CY
    - BUTTRESS FILL VOLUME = 15,000 CY
    - TOPSOIL = 3,600 CY

**Wetland 1 impacts:**  
Permanent Discharge of Fill = 1.76 ac (0.84 ac road shown in purple, 0.92 ac outboard slope shown in orange)  
  
Temporary clearing for BMP installation (not highlighted) = 0.25 ac

**LEGEND**

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- WETLAND DELINEATION EXTENTS
- SURVEY POINTS
- ABOVE GROUND CABLE TRAY
- PROPOSED GRADING MAJOR CONTOUR
- PROPOSED GRADING MINOR CONTOUR
- PROPOSED ACCESS ROAD

REVISION	ISSUE DATE	DESCRIPTION	KEYPLAN
0	3/16/2018	ISSUED FOR REVIEW	

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CIVIL WORK SCOPE

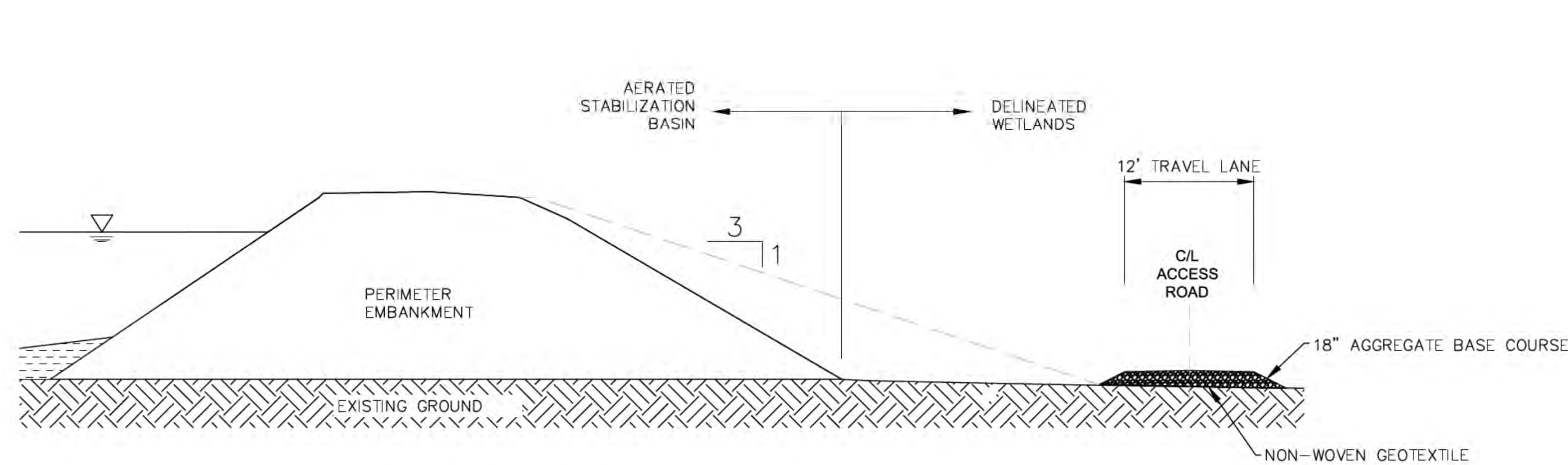
**AERATED STABILIZATION BASIN  
EMBANKMENT REPAIR DESIGN**

PROJECT MANAGER	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY
RKL	JAP	CW	RKL
SHEET TITLE		TASK/PHASE NUMBER	DRAWN BY
PERIMETER EMBANKMENT GRADING PLAN		1	CW
		PROJECT NUMBER	DRAWING NUMBER
		B0066181.0004	C-03

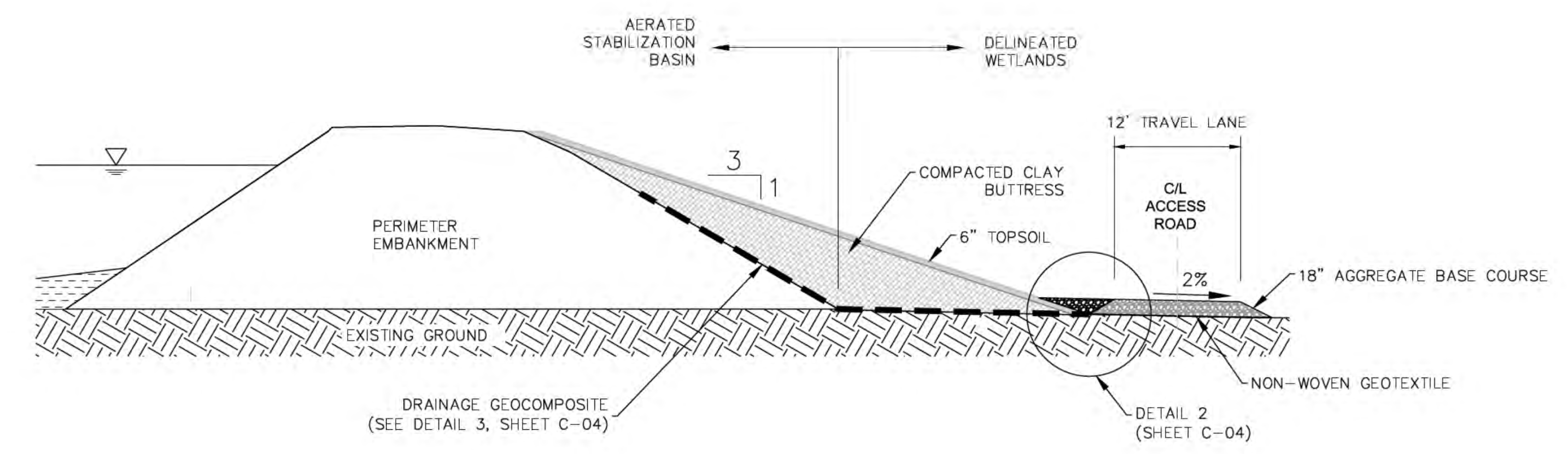
**Figure 4 - SAM-2018-00737-GAC**



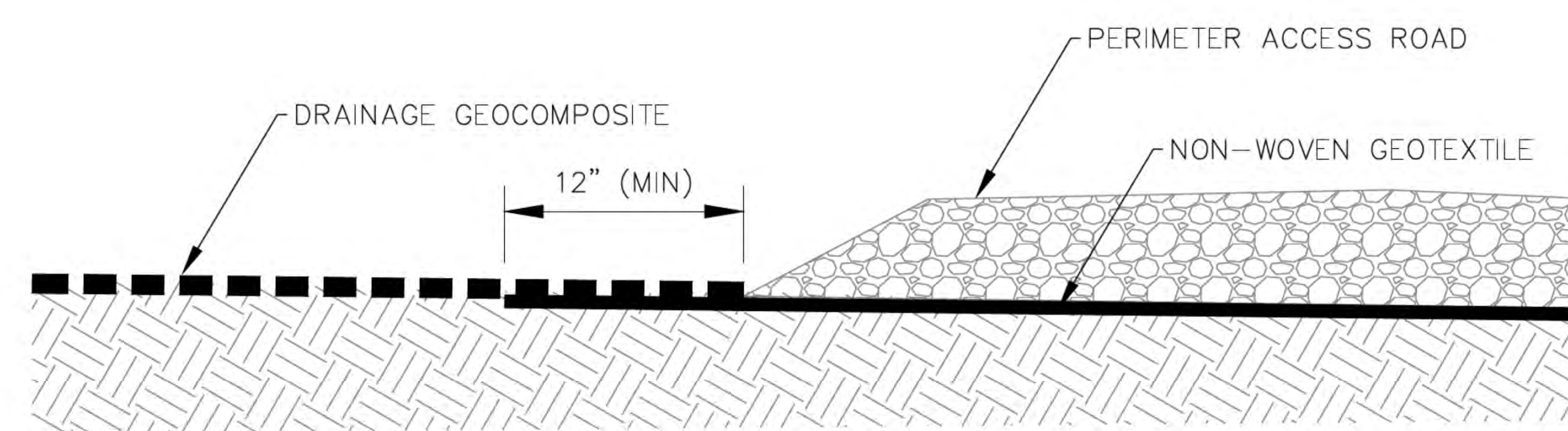
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**ACCESS ROAD TYPICAL SECTION**  
N.T.S.

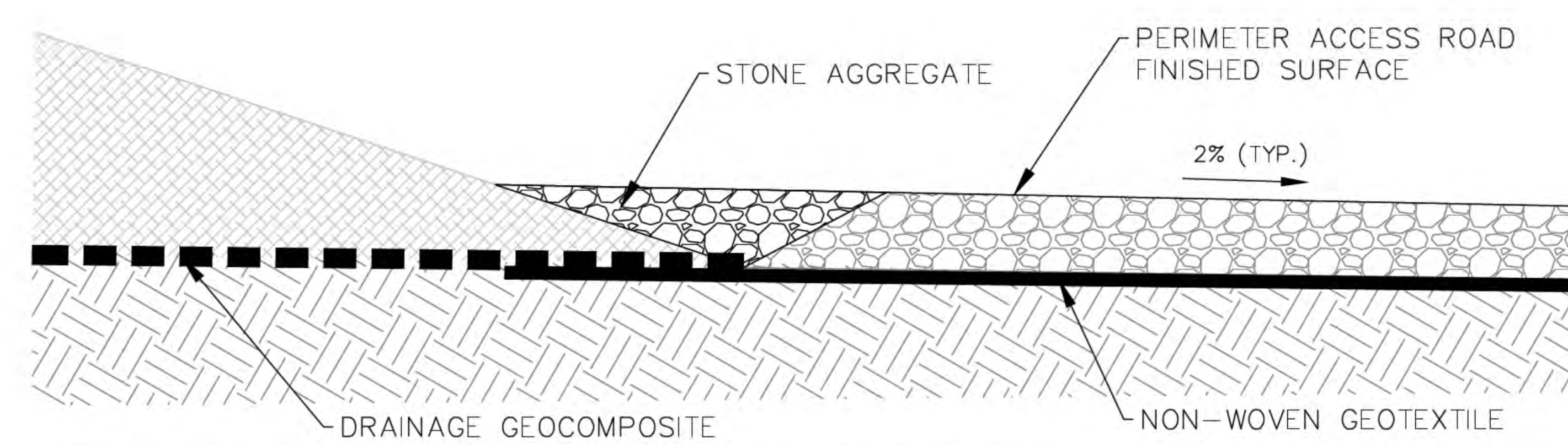


**BUTTRRESS AND ACCESS ROAD TYPICAL SECTION**  
N.T.S.



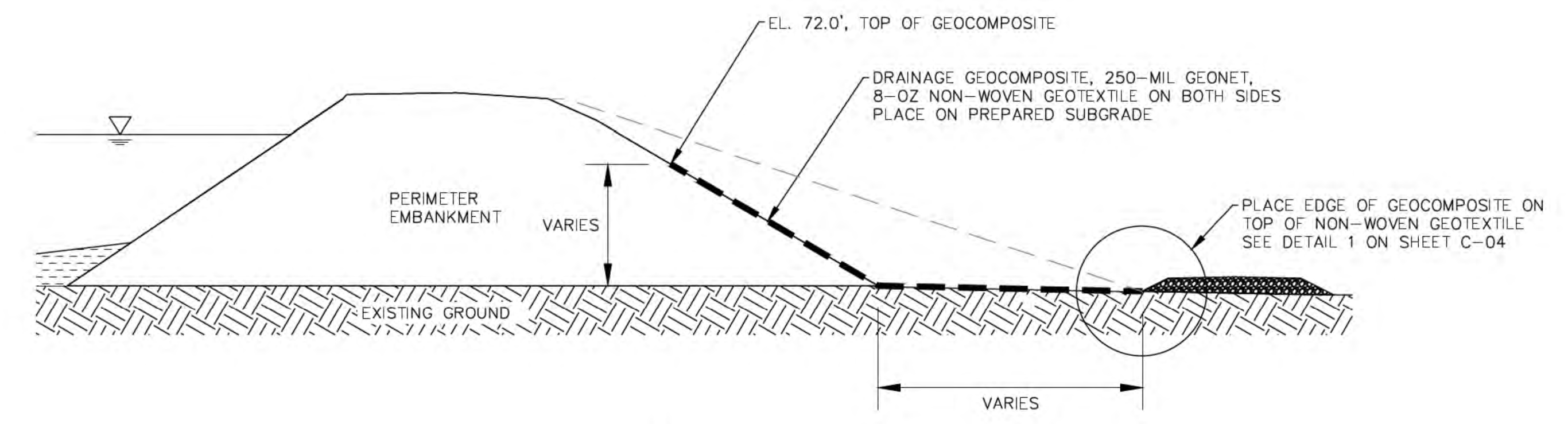
NOTE: PLACE DRAINAGE GEOCOMPOSITE ON TOP OF GEOTEXTILE WITH MINIMUM OF 12-INCH OVERLAP.

**DETAIL 1**  
**DRAINAGE GEOCOMPOSITE OVERLAP**  
N.T.S.



NOTE: PLACE ADDITIONAL STONE AGGREGATE AS NEEDED AND RESURFACE PERIMETER ACCESS ROAD AT 2 PERCENT SLOPE.

**DETAIL 2**  
**ACCESS ROAD FINISHING DETAIL**  
N.T.S.



**DETAIL 3**  
**DRAINAGE GEOCOMPOSITE INSTALLATION**  
N.T.S.

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CIVIL WORK SCOPE

**AERATED STABILIZATION BASIN EMBANKMENT REPAIR DESIGN**

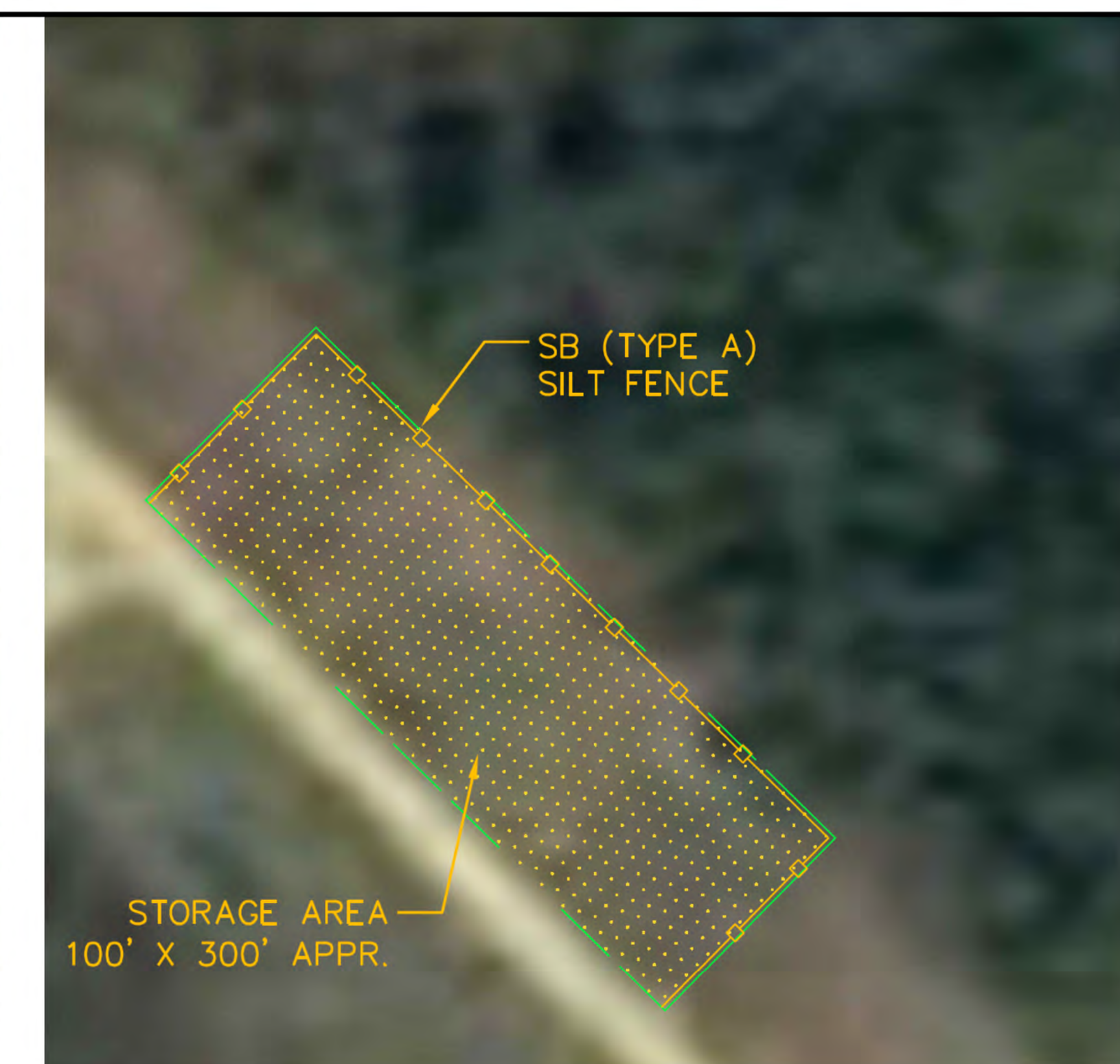
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		PROJECT NUMBER B0066181.0004	DRAWING NUMBER C-04

**Figure 5 - SAM-2018-00737-GAC**



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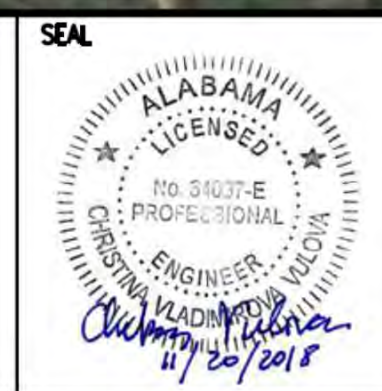
**STORAGE AREA**  
N.T.S.

- NOTES:**
1. PLACE HAYBALES BETWEEN DOUBLE ROWS OF SILT FENCE.
  2. ALL SILT FENCE SHOWN ON PLAN IS "TYPE A" SILT FENCE.
  3. THE CONTRACTOR SHALL STRICTLY ADHERE TO DUST CONTROL GUIDELINES AS SET FORTH IN THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS, LATEST EDITION.
  4. ALL NON-IMPERVIOUS DISTURBED AREAS TO BE STABILIZED USING TEMPORARY/PERMANENT STABILIZATION PRACTICES (TYPICAL). ALL TEMPORARY/PERMANENT STABILIZATION PRACTICES ARE TO BE IN ACCORDANCE WITH THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS, LATEST EDITION.

DC  
MUTS PS

- LEGEND**
- EXISTING MAJOR CONTOUR
  - EXISTING MINOR CONTOUR
  - WETLAND DELINEATION EXTENTS
  - PROPOSED GRADING MAJOR CONTOUR
  - PROPOSED GRADING MINOR CONTOUR
  - PROPOSED ACCESS ROAD
  - EXISTING ACCESS ROAD
  - SILT FENCE
  - CONSTRUCTION EXIT
  - STORAGE AREA
  - LIMITS OF DISTURBANCE

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0	10/31/2018	ISSUED FOR REVIEW	
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CIVIL WORK SCOPE

**AERATED STABILIZATION BASIN  
EROSION AND SEDIMENT CONTROL PLAN**

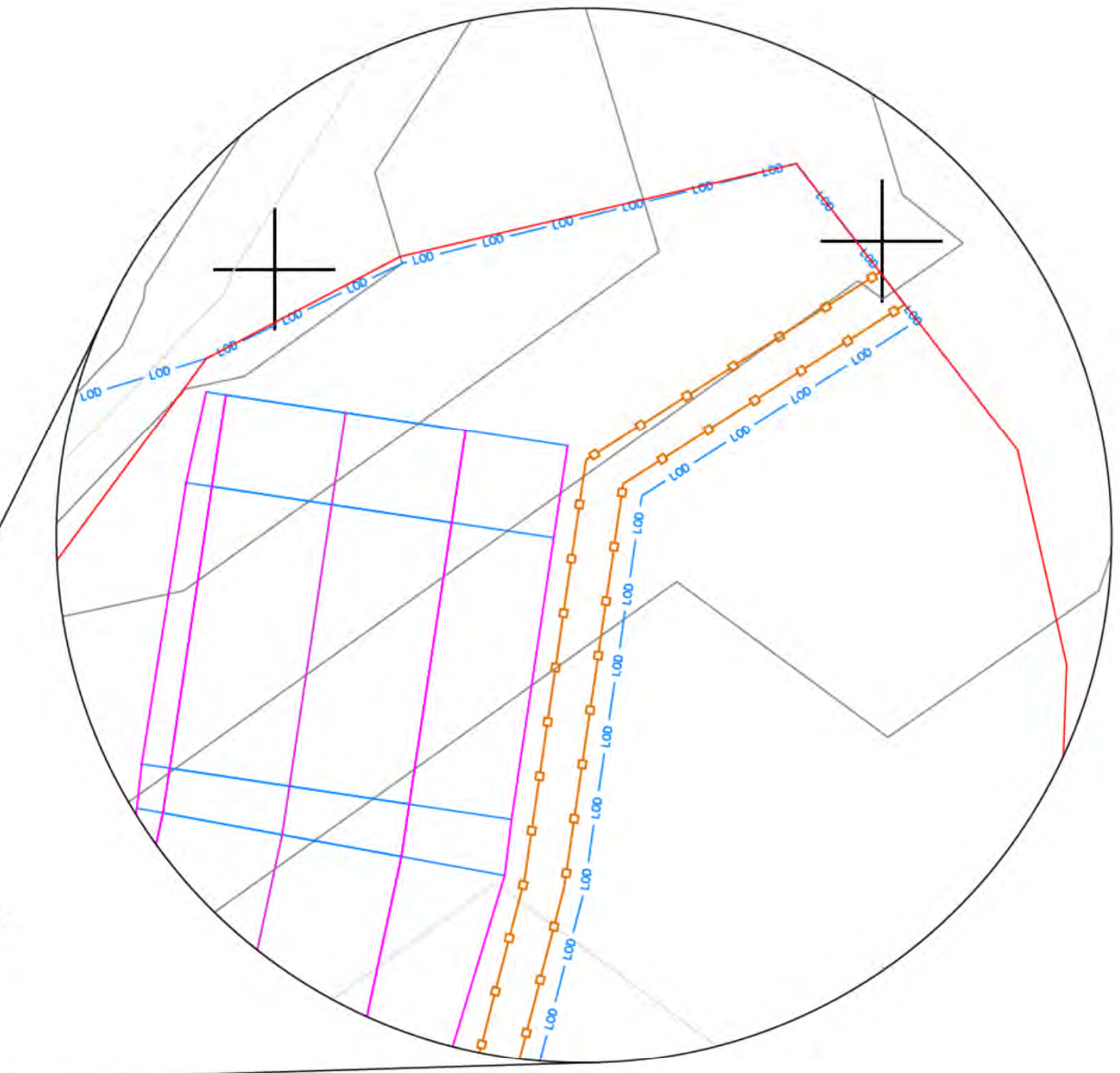
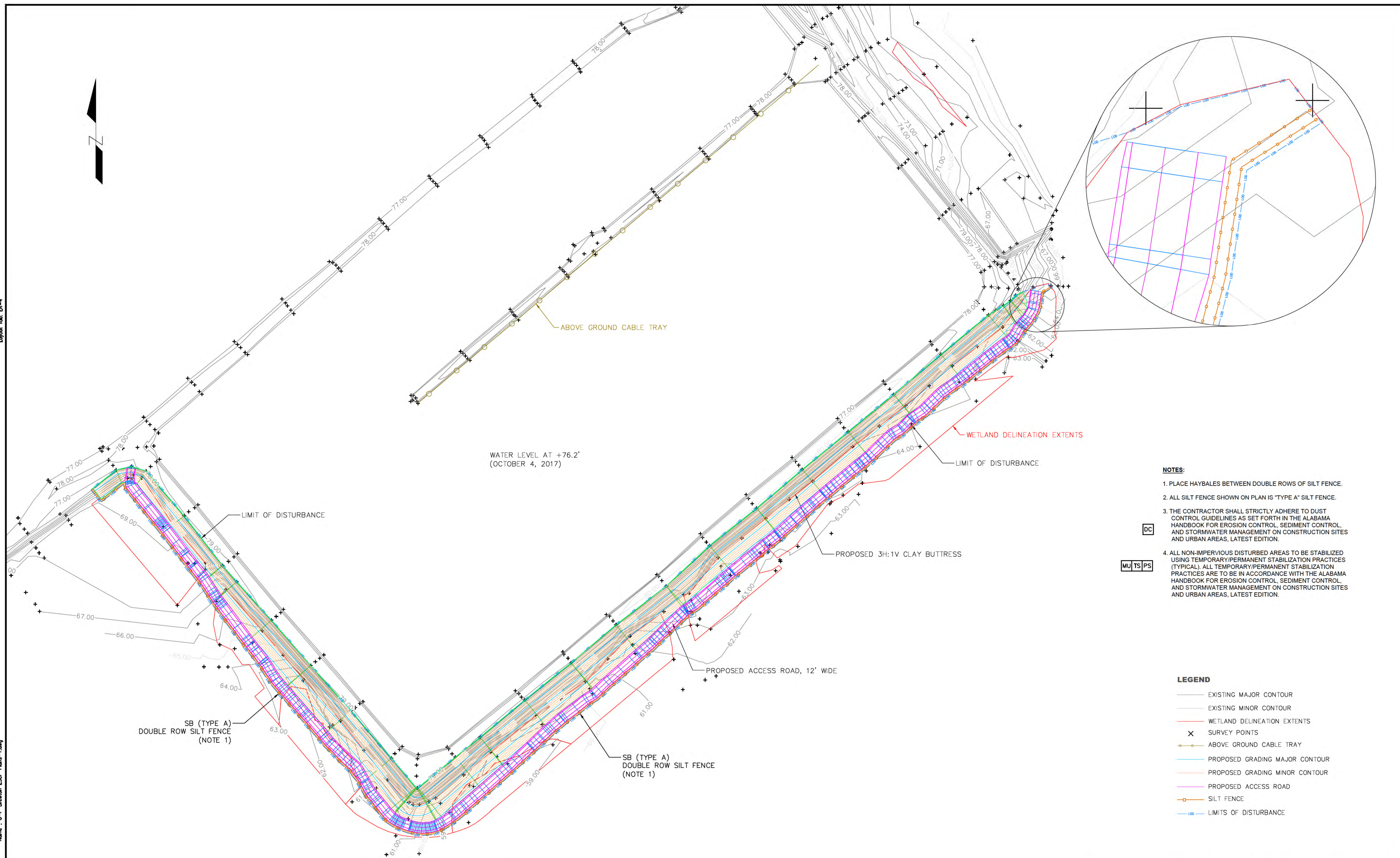
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		PROJECT NUMBER B0066181.0004	DRAWING NUMBER ER-5

**Figure 6 - SAM-2018-00737-GAC**



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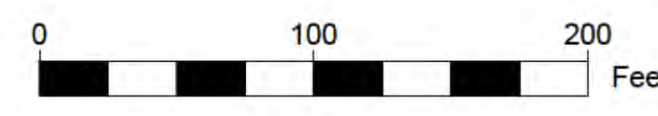


- NOTES:**
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DC

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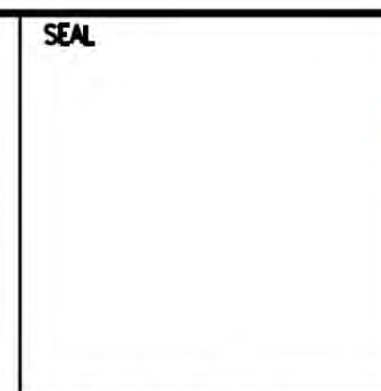
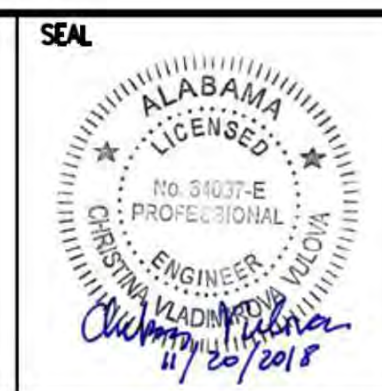
- LEGEND**
- EXISTING MAJOR CONTOUR
  - EXISTING MINOR CONTOUR
  - WETLAND DELINEATION EXTENTS
  - SURVEY POINTS
  - ABOVE GROUND CABLE TRAY
  - PROPOSED GRADING MAJOR CONTOUR
  - PROPOSED GRADING MINOR CONTOUR
  - PROPOSED ACCESS ROAD
  - SILT FENCE
  - LIMITS OF DISTURBANCE



REVISION	ISSUE DATE	DESCRIPTION
0	10/31/2018	ISSUED FOR REVIEW

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CIVIL WORK SCOPE

**AERATED STABILIZATION BASIN  
EROSION AND SEDIMENT CONTROL PLAN**

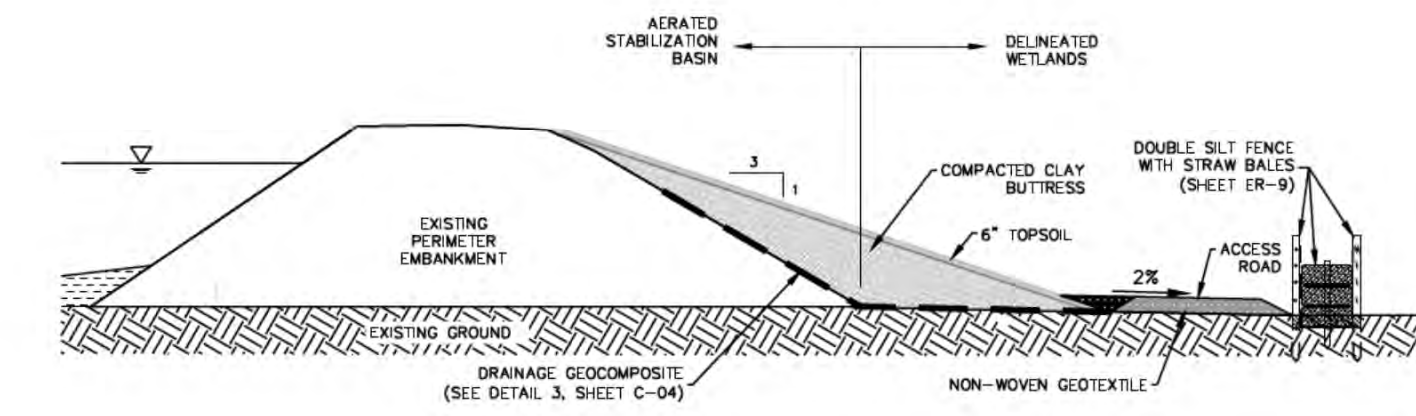
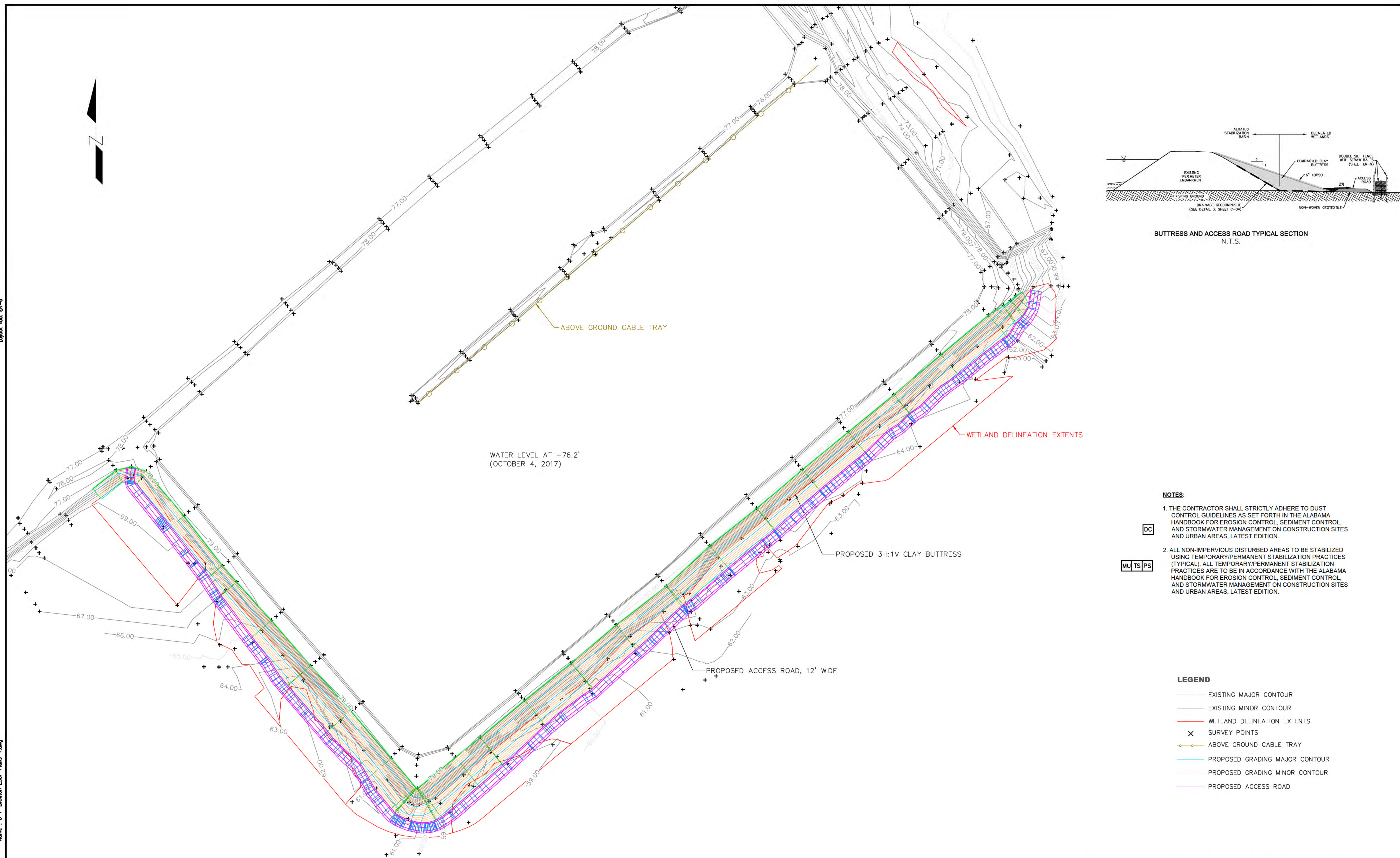
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		PROJECT NUMBER B0066181.0004	DRAWING NUMBER ER-4

**Figure 7 - SAM-2018-00737-GAC**



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User Name : G-P Brewton ESDP Plans-1.dwg  
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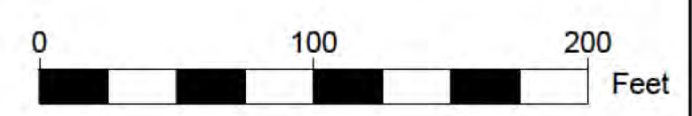
BUTTRESS AND ACCESS ROAD TYPICAL SECTION  
N.T.S.

**NOTES:**

1. THE CONTRACTOR SHALL STRICTLY ADHERE TO DUST CONTROL GUIDELINES AS SET FORTH IN THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS, LATEST EDITION.
2. ALL NON-IMPERVIOUS DISTURBED AREAS TO BE STABILIZED USING TEMPORARY/PERMANENT STABILIZATION PRACTICES (TYPICAL). ALL TEMPORARY/PERMANENT STABILIZATION PRACTICES ARE TO BE IN ACCORDANCE WITH THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS, LATEST EDITION.

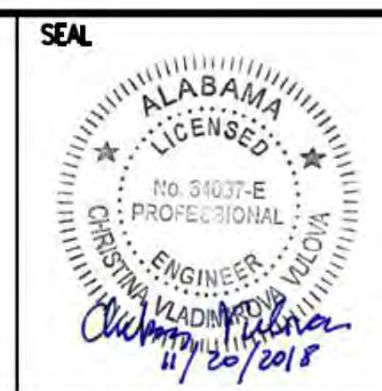
**LEGEND**

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- WETLAND DELINEATION EXTENTS
- × SURVEY POINTS
- ABOVE GROUND CABLE TRAY
- PROPOSED GRADING MAJOR CONTOUR
- PROPOSED GRADING MINOR CONTOUR
- PROPOSED ACCESS ROAD



REVISION	ISSUE DATE	DESCRIPTION	KEYPLAN
0	10/31/2018	ISSUED FOR REVIEW	

NOT FOR CONSTRUCTION



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GEORGIA-PACIFIC BREWTON, LLC • BREWTON, ALABAMA  
CIVIL WORK SCOPE

**AERATED STABILIZATION BASIN  
EROSION AND SEDIMENT CONTROL PLAN**

PROJECT MANAGER RKL	DEPARTMENT MANAGER JAP	LEAD DESIGN PROF. CVW	CHECKED BY RKL
SHEET TITLE <b>FINAL PHASE (1 OF 2)</b>		TASK/PHASE NUMBER 1	DRAWN BY CVW
		PROJECT NUMBER B0066181.0004	DRAWING NUMBER ER-6

**Figure 8 - SAM-2018-00737-GAC**