

Carson Bulkhead CMPA Permit Application

Applicant Information

The applicant for the proposed project is Daniel S. Carson JR. & Stephanie R. Carson. The applicant is represented by LaBarba Environmental Services for this project.

Daniel S. Carson JR. & Stephanie R. Carson
6 Moon River Drive
Savannah, GA 31406
Email: scarsonrn@gmail.com
Phone: (843) 860-0938

Sam LaBarba
LaBarba Environmental Services
139 Altama Connector, #161
Brunswick, GA 31525
Email: sam@labarbaenvironmentalservices.com
Phone: (912) 215-1255

Project Summary

The proposed project consists of constructing a bulkhead immediately seaward of the CMPA jurisdiction line to stop current erosion and prevent further loss of upland.

Existing Conditions:

The subject parcel is 1.86 acres and consists of an upland single-family residence and a private recreational dock extending into Moon River. The existing shoreline is experiencing erosion and subsidence from wave and current energy on the Moon River. The shoreline does not contain any vegetation immediately along the upland/marsh interface which is causing sediment to be lost from the upland to the waterway. The shoreline does not have any existing and serviceable shoreline armoring, but there are some blocks and other materials placed along the most significant erosional area. These material will be removed after constructing the new bulkhead.

Proposed Conditions:

A 202.3175 LF bulkhead will be constructed immediately seaward of the CMPA jurisdiction line. The bulkhead will be approximately 2 feet in height to match the existing upland grade. The bulkhead will be constructed of timber sloppy V boards or vinyl sheets with pilings spaced 5' apart and whalers along the front side of the structure.

Bulkhead Area: 202.3175 SF

Bulkhead Volume: 404.635 (19.99 CY)

Backfill: None

Needs Assessment

The proposed bulkhead is required to prevent further erosion and subsidence of the upland into Moon River. The absence of marsh vegetation leaves the shoreline exposed to tidal forces which is undercutting the upland. This bulkhead will prevent further loss of upland property and prevent sedimentation to the waterway.

Alternative Analyses

The possible alternatives include rip rap, living shoreline, or no action alternative. Rip rap is less effective than a bulkhead in preventing subsidence of the upland area adjacent to waterways and would require a larger footprint for stabilization than a bulkhead does. An assessment was conducted to determine the feasibility of a living shoreline. Our findings concluded that the absence of natural shellfish or vegetation in the area indicate that a bioengineering approach could be difficult to establish. The absence of natural shoreline stabilizing factors also rules out the no-action alternative. If the shoreline is not stabilized it will continue to cause sedimentation to the waterway and the loss of upland property.

Adjoining Landowners

Brian J. Robin
802 E 69th St.
Savannah, GA 31405

Barbara W. Lientz
12 Moon River Drive
Savannah, GA 31406

Landfill/Hazardous Waste Statement

The Georgia Environmental Protection Division Hazardous Site Inventory indicates that the project location does not contain any landfills or hazardous waste sites.

Historic/Cultural Resources

The National Register of Historic Places inventory was searched and the project location does not contain any listed cultural or historical resources.

Water Quality Certification

Georgia EPD has issued a blanket 401 WQC for the use of the Nationwide Permit 13.

Soil and Erosion Control Statement

The proposed project will adhere to the soil and erosion control responsibilities, if required, for the proposed project.

Turbidity Statement

The proposed project will be performed in a manner to minimize turbidity in the stream. The dock structure will be entirely pile supported with minimal impacts to sediment from driving pilings.

Oil & Pollutant Statement

The proposed project will not involve oil or other pollutants in its construction or long term use and maintenance.

Water Use Statement

The proposed project is located seaward of upland owned by the applicant. The project will extend minimally into the waterway to prevent obstructions to navigation.

Public Interest Statement

A. Whether or not unreasonably harmful obstruction to or alteration of the natural flow of navigational water within the affected area will arise as a result of the proposal.

The proposed project will not cause unreasonable harmful obstructions to or alteration of the natural flow of navigational water within the affected area to arise. The bulkhead will be constructed at the marsh/upland interface which will not cause an interruption to its natural course of flow.

B. Whether or not unreasonably harmful or increased erosion, shoaling of channels, or stagnant areas of water will be created.

The proposed project will not create unreasonably harmful or increased erosion, shoaling of channels, or stagnant areas of water. The purpose of this project is to mitigate these conditions where they currently exist.

C. Whether or not the granting of a permit and the completion of the applicant's proposal will unreasonably interfere with the conservation of fish, shrimp, oysters, crabs, clams, or other marine life, wildlife, or other resources, including but not limited to water and oxygen supply.

The proposed project will not unreasonably interfere with the conservation of fish, shrimp, oysters, crabs, clams, or other marine life, wildlife, or other resources, including but not limited to water and oxygen supply. The project will not result in a loss of aquatic habitat required for these species, nor will it impact the quality of the existing habitat. There are no existing oyster beds within the areas where the project will occur. The structures will be constructed so as to not create negative impacts to aquatic species after construction.

Sam LaBarba
LaBarba Environmental Services
August 29, 2024

From: [Sam LaBarba](#)
To: [Osborne, Cheyenne](#)
Subject: RE: Carson Bulkhead Drawing Revisions (SAS-2017-00038)
Date: Tuesday, February 4, 2025 1:55:44 PM
Attachments: [Carson Bulkhead Permit Exhibits PROFILE VIEW.pdf](#)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Cheyenne,

Thanks for the follow up. Please see my responses below and the attachments.

1. I will drop off a check this week.
2. Sent in a separate email today, 2/4/25
3. The survey was submitted to Deb on July 19th, 2024. I don't see where she ever responded to me. I would get with Josh and ask if he can reach out to Deb. I will also reforward her the survey and cc both you and Josh.
4. Construction will take place from the upland using a mini excavator. No grading will take place, the bulkhead will be installed immediately seaward of the CMPA line where there is a 1-2 foot drop from the yard to the unvegetated marsh.
5. The revised profile view is attached.

Sincerely,

Sam LaBarba
Owner
P: (912) 215-1255
E: sam@labarbaenvironmentalservices.com
A: Brunswick, Georgia



From: Osborne, Cheyenne <cheyenne.osborne1@dnr.ga.gov>
Sent: Monday, February 3, 2025 4:29 PM
To: Sam LaBarba <sam@labarbaenvironmentalservices.com>
Subject: RE: Carson Bulkhead Drawing Revisions (SAS-2017-00038)




Sam,

Please see the attached Response Letter requesting more information for the application to construct a bulkhead at 6 moon River Drive. Thank you for your patience while Mariana was away.

Carson Bulkhead

6 Moon River Drive, Savannah, GA

Legend

-  Carson Bulkhead
-  Feature 1
-  Water





CHATHAM COUNTY DEPARTMENT OF BUILDING SAFETY AND REGULATORY SERVICES

1117 EISENHOWER DRIVE, SAVANNAH, GA 31406
P.O. Box 8161, Savannah, GA. 31412-8161
912 201 4300 – Fax 912 201 4301

21- November 2024

Sam LaBarba
LaBarba Environmental Services
139 Altama Connector # 161
Brunswick, Ga. 31525

RE: 6 Moon River

Dear Mr. LaBarba

The referenced improvements attached to this letter, including the proposed bulkhead modifications at 6 Moon River, do not represent a violation of the Chatham County Zoning Ordinance. This letter references the attached drawings dated 11/21/2024.

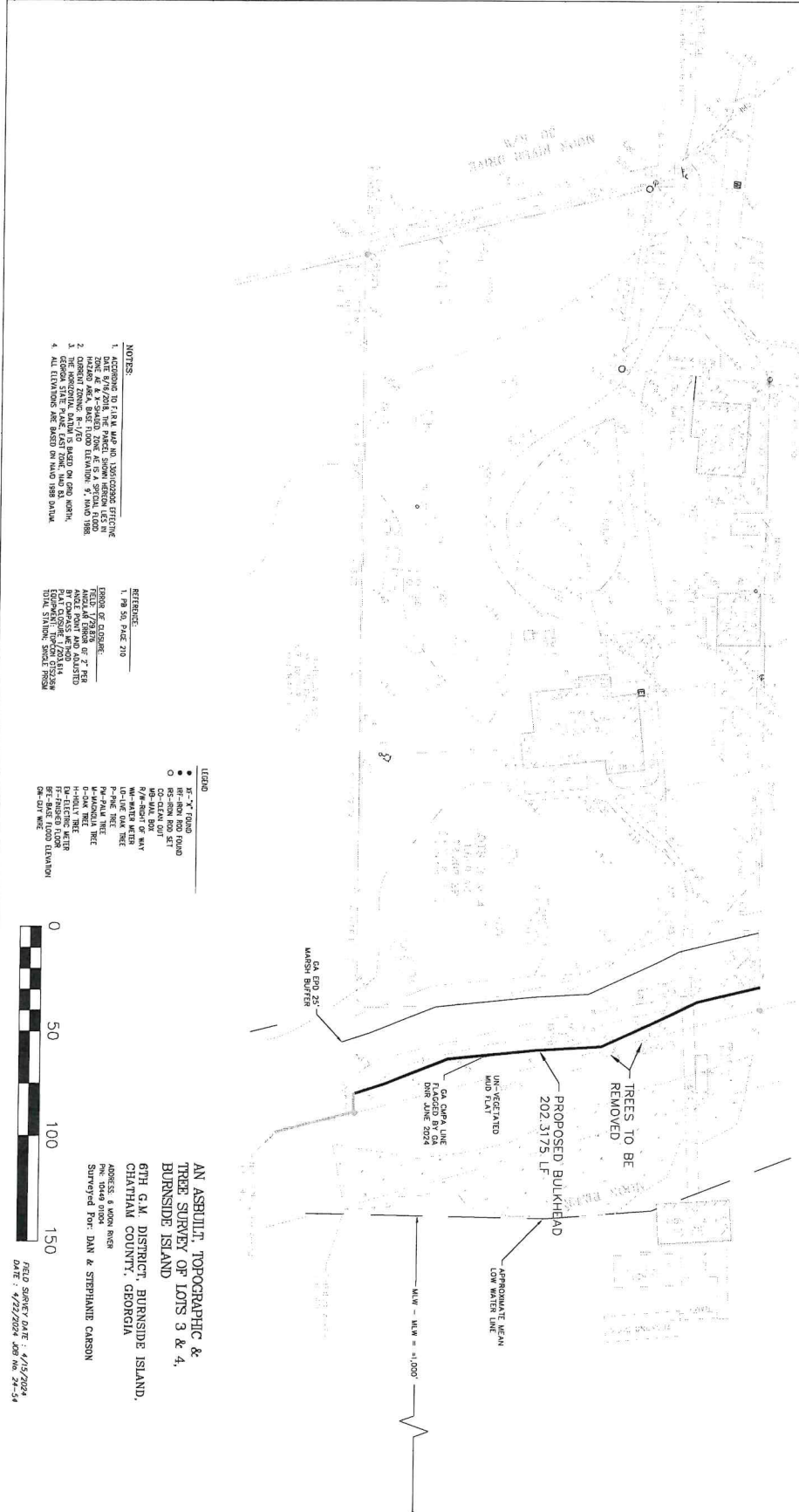
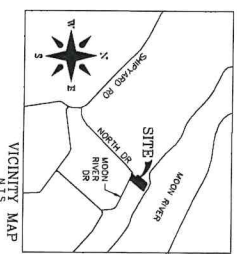
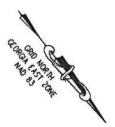
If there are questions, I can be reached at 912 201 4315.

Sincerely,

Marcus Lotson, Office of Zoning Administration
Assistant Director, Building Safety and Regulatory Services.

Attachments

RECEIVED
 CHATHAM COUNTY
 NOV 21 2024
 DEPT OF BUILDING SAFETY
 & REGULATORY SERVICES



- NOTES:**
1. ACCORDING TO FIRM MAP NO. 1301022000 DATED 8/14/2018 THE PARCEL SHOWN HEREON LIES IN HAZARD AREA, BASED UPON ELEVATION 9' HIGHER THAN 1988.
 2. CORNICE ZONING R-1/10
 3. CORNICE ZONING R-1/10
 4. ALL ELEVATIONS ARE BASED ON MVD 1988 DATUM.

REFERENCE:
 1. 79 S.C. PACE 710
 ELEVATION OF CORNER
 POINTS AT 7.00' OF 7' PER
 ANGLE POINT AND ADJUSTED
 PLAT CLOSURE 1/2024
 TOTAL STATION, SIGHT FROM
 D.M. SURV. LINE

- LEGEND**
- 1/2" X 1/2" ROUND ROAD
 - 8" - 12" ROUND ROAD
 - 12" - 18" ROUND ROAD
 - 18" - 24" ROUND ROAD
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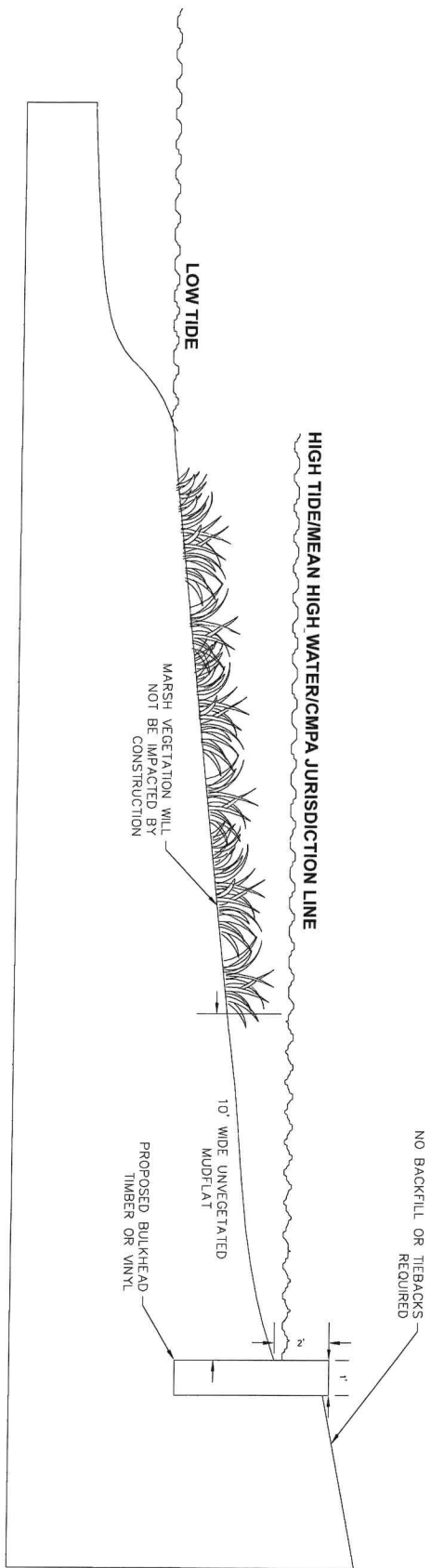
AN ASBUILT, TOPOGRAPHIC &
 TREE SURVEY OF LOTS 3 & 4,
 BURNSIDE ISLAND
 6TH G.M. DISTRICT, BURNSIDE ISLAND,
 CHATHAM COUNTY, GEORGIA
 ADDRESS: 4 HORN RIDGE
 P.O. BOX 10004
 Surveyed For: DAN & STEPHANIE CARSON



ISSUED SURVEY DATE: 4/15/2024
 DATE: 4/22/2024 5:08 PM 34.54

<p>2</p> <p>SHEET:</p>	<p>PROPOSED BULKHEAD</p>	<p>LABARBA ENVIRONMENTAL SERVICES SAVANNAH, GA PREPARED FOR: DAN & STEPHANIE CARSON</p>	<p>NOT RELEASED FOR CONSTRUCTION</p>
	<p>DATE: 8/29/2022 SCALE: 1"=50'</p>		

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 CHARTER COUNTY
 NOV 21 2024
 DEPT. OF SAFETY
 & REGULATORY SERVICES



NOT RELEASED
 FOR
 CONSTRUCTION

SITE OVERVIEW
PROPOSED BULKHEAD
 PROJECT NO. 2023-001
 DATE: 8/29/2022
 SCALE: N.T.S. (NOT TO SCALE)

PROFILE VIEW

LABARBA ENVIRONMENTAL SERVICES
 SAVANNAH, GA
 PREPARED FOR:
 DAN & STEPHANIE CARSON

DATE: 8/29/2022
 SCALE: N.T.S. (NOT TO SCALE)