

## **Great Dunes Golf Course Culvert Removal and Daylighting**

### **NARRATIVE:**

#### **Project Overview**

Our proposed project entails the removal of a 150-foot section of partially failed culvert pipe that currently connects a tidally influenced pond to a primarily freshwater pond. Water conveyance still exists but in a limited capacity. Instead of replacing the culvert, we intend to create an open water feature with gentle slopes, mirroring the natural curves of the existing tidal pond to mitigate erosion concerns. At the freshwater pond terminus, we will install a bridge to span the removed culvert area and slope the bank to prevent erosion issues. The bridge will be entirely outside of CMPA jurisdiction and the 50' buffer zone and there are no other structures or features within the project area.

#### **Project Goals and Design**

The main objectives of this project are to restore natural water flow dynamics, improve habitat connectivity, and address erosion risks associated with the culvert removal. By transitioning from a confined culvert system to an open water feature with gentle slopes, we aim to enhance aquatic habitat and promote ecological resilience within the affected pond ecosystems.

#### **Environmental Considerations and Impact Assessment**

The removal of the culvert and subsequent bank restoration will impact approximately 300 linear feet of existing shoreline. Due to the vertical bank slope, the estimated impact within jurisdictional tidally influenced wetlands will be minimal, totaling approximately 2400 sq. ft. (0.05 acres). The volume of removed sediment is estimated to be less than 4800 cubic feet within jurisdiction. The Limits of Disturbance outside of jurisdiction but within the 25' buffer will be less than 4750 sq.ft. This impact assessment reflects our commitment to minimizing disturbance to sensitive aquatic environments. We are dedicated to implementing Best Management Practices (BMPs) throughout the excavation and restoration process. This includes appropriately sloping and stabilizing the banks to limit erosion and sedimentation into adjacent waterways. We will make all efforts to save the native vegetation on site and have allocated an area within jurisdiction but outside the LOD so they can be kept healthy as close to the original location as possible. After the work has been completed, we will transplant the surviving plants, back to their approximate original location or as close as practical. Regular monitoring of water quality will be conducted as necessary to ensure compliance with environmental regulations and project objectives. There will be no impervious coverage once the project has been completed.

#### **Permitting and Compliance**

We have proactively engaged with the United States Army Corps of Engineers (USACE) to secure the necessary permits for this project. We have a Nationwide Permit #3 in hand, as attached to this application, and it has already been forwarded digitally to CRD.

#### **Summary**

In summary, we believe our proposed project aligns with the objectives of the CMPA, by improving water connectivity by removing an existing water conveyance structure that has been a restriction on past movement. By transitioning from a culvert to an open water feature, we anticipate positive ecological outcomes, including improved water flow dynamics and habitat connectivity. We are committed to executing this project responsibly, adhering to environmental regulations, and ensuring long-term sustainability of the affected pond ecosystems.

**RELEVANT MEASUREMENTS AND CALCULATIONS:**

Distance into Waterway – 25’

Distance to Navigable Channel

Jekyll Creek – 0.75mi straight line distance

Oleander Pond – In the waterway up to 25’

Depth of Waterway

Within Project LOD at MLW – 0-3’

Oleander Pond at MLW – 6-10’

Width of Waterway

Oleander Pond at Widest Point is approx. 1050’ from MLW to MLW

Nearest Structure – 350’ at a WNW heading or perpendicular to the CMPA JD Line, No structures are within the Project Area

**PROJECT DRAWINGS:**

Signed and Stamped JD Line

**SITE PLAN:**

Proposed Modifications using survey JD Line

**STORMWATER MANAGEMENT PLAN and IMPERVIOUS COVERAGE:**

There will be no impervious coverage within the Limits of Disturbance for the project either within CMPA Jurisdiction or within the 25 or 50’ Upland Buffer. Stormwater will naturally infiltrate the groundwater and surface water connection that will be created by removing the existing culvert.

**DEED, PLAT, OWNERSHIP, and ZONING:**

Warranty Deed which clarifies ownership, lack of neighbors, and adherence to zoning regulations which are managed by the permit requesting entity for the proposed project (JIA).

**ALTERNATIVE ANALYSIS:**

The alternative would be to replace the failing culvert in like-kind. Due to past water quality issues we believe that the most ecologically conscious decision is to remove the existing culvert and leave an open channel that is shaped in a way to prevent erosion and mimic natural sinuosity.

**LANDFILL HAZARDOUS WASTE STATEMENT:**

The proposed project does not interact with any landfill or hazardous waste sites.

**EROSION AND SEDIMENTATION:**

The proposed project will comply with the applicable erosion and sedimentation control responsibilities.

**PUBLIC INTEREST STATEMENT:**

The proposed project will not negatively affect the natural flow of the navigable waterway, be unreasonably harmful by increasing erosion, or unreasonably interfere with the conservation of wildlife and marine life including the oxygen supply.

**From:** [Yank Moore](#)  
**To:** [Tobler, Paul](#)  
**Subject:** Re: Golf Course - Jekyll  
**Date:** Tuesday, January 14, 2025 9:29:05 AM  
**Attachments:** [image001.png](#)  
[Outlook-r3xcvyhg.png](#)

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Correct, we can say potential temporary impacts across the remainder of the 50' buffer area.



Thanks,  
**Yank Moore**, *Director of Conservation*  
Jekyll Island Authority  
**Office:** 912.635.9384 | **Cell:** 912.215.9374  
**Wildlife Response Voicemail (24/7):** 912.222.5992  
**Wildlife Response Online Reporting System:** [Click Here](#)  
**Email:** [y Moore@jekyllisland.com](mailto:y Moore@jekyllisland.com)

---

**From:** Tobler, Paul <[paul.tobler@dnr.ga.gov](mailto:paul.tobler@dnr.ga.gov)>  
**Sent:** Tuesday, January 14, 2025 9:27 AM  
**To:** Yank Moore <[y Moore@jekyllisland.com](mailto:y Moore@jekyllisland.com)>  
**Subject:** RE: Golf Course - Jekyll

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Got it. And I am guessing temporary impacts from construction equipment right?

Paul D. Tobler  
Coastal Permit Coordinator  
[Coastal Resources Division](#)  
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Main: (912) 264-7218  
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**From:** Yank Moore <[y Moore@jekyllisland.com](mailto:y Moore@jekyllisland.com)>  
**Sent:** Tuesday, January 14, 2025 9:26 AM  
**To:** Tobler, Paul <[paul.tobler@dnr.ga.gov](mailto:paul.tobler@dnr.ga.gov)>  
**Subject:** Re: Golf Course - Jekyll

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5800 sq ft of permanent disturbance within the 50'buffer.



Thanks,  
**Yank Moore**, *Director of Conservation*  
Jekyll Island Authority  
**Office:** 912.635.9384 | **Cell:** 912.215.9374  
**Wildlife Response Voicemail (24/7):** 912.222.5992  
**Wildlife Response Online Reporting System:** [Click Here](#)  
**Email:** [y Moore@jekyllisland.com](mailto:y Moore@jekyllisland.com)

---

**From:** Yank Moore <[y Moore@jekyllisland.com](mailto:y Moore@jekyllisland.com)>  
**Sent:** Tuesday, December 3, 2024 1:14 PM  
**To:** Tobler, Paul <[paul.tobler@dnr.ga.gov](mailto:paul.tobler@dnr.ga.gov)>  
**Subject:** Re: Golf Course - Jekyll

Thanks Paul,

I didn't think that I needed to fill out or sign the joint application before since we already have a permit in hand from USACE. I have now filled out that section and attached it to the previous application file.

The total area within the 50' buffer is 16,248 sq. ft. or 0.373ac.



Thanks,  
**Yank Moore**, *Director of Conservation*  
Jekyll Island Authority  
**Office:** 912.635.9384 | **Cell:** 912.215.9374  
**Wildlife Response Voicemail (24/7):** 912.222.5992  
**Wildlife Response Online Reporting System:** [Click Here](#)  
**Email:** [y Moore@jekyllisland.com](mailto:y Moore@jekyllisland.com)

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**From:** Tobler, Paul <[paul.tobler@dnr.ga.gov](mailto:paul.tobler@dnr.ga.gov)>

**Sent:** Tuesday, December 3, 2024 11:47 AM  
**To:** Yank Moore <[y\\_moore@jekyllisland.com](mailto:y_moore@jekyllisland.com)>  
**Subject:** RE: Golf Course - Jekyll

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Yank,

Without having looked through the details of the project, I have noticed a couple larger things that are missing from your submission. See below:

- signed joint application (you can find it in the attached .pdf.)
- quantify the entirety of the 50ft. marshlands buffer

I will try and get into the details of the impacts and upland component numbers in the next week or two. I am going to send it up for legal review now which I don't anticipate and long turn around on, but they may contact you for something additional as well. Let me know if you have any questions in the meantime.

Sincerely,  
Paul D. Tobler

Coastal Permit Coordinator

**[Coastal Resources Division](#)**

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Main: (912) 264-7218

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**From:** Yank Moore <[y\\_moore@jekyllisland.com](mailto:y_moore@jekyllisland.com)>  
**Sent:** Friday, November 22, 2024 9:45 AM  
**To:** Byrnes, Elizabeth <[elizabeth.byrnes@dnr.ga.gov](mailto:elizabeth.byrnes@dnr.ga.gov)>; Tobler, Paul <[paul.tobler@dnr.ga.gov](mailto:paul.tobler@dnr.ga.gov)>  
**Subject:** Re: Golf Course - Jekyll

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Thanks Beth and Paul. Let me know if I need anything else for the application.

Thanks,  
**Yank Moore**, *Director of Conservation*  
Jekyll Island Authority  
**Office:** 912.635.9384 | **Cell:** 912.215.9374  
**Wildlife Response Voicemail (24/7):** 912.222.5992  
**Wildlife Response Online Reporting System:** [Click](#)



[Here](#)  
**Email:** [y Moore@jekyllisland.com](mailto:y Moore@jekyllisland.com)

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**From:** Byrnes, Elizabeth <[elizabeth.byrnes@dnr.ga.gov](mailto:elizabeth.byrnes@dnr.ga.gov)>  
**Sent:** Friday, November 22, 2024 9:34 AM  
**To:** Yank Moore <[y Moore@jekyllisland.com](mailto:y Moore@jekyllisland.com)>; Tobler, Paul <[paul.tobler@dnr.ga.gov](mailto:paul.tobler@dnr.ga.gov)>  
**Subject:** RE: Golf Course - Jekyll

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Good morning,

I have attached a copy of the signed verification letter to this email. I will also add a copy to the application submitted and if I am the PM will reach out if anything else is needed. I haven't spoken to Josh about this yet, but will do so when I return from Thanksgiving and confirm with you if I am the PM at that time.

Thank you and have a Happy Thanksgiving!

Beth Byrnes  
Coastal Permit Coordinator  
**[Coastal Resources Division](#)**  
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CRD Main Line: 912-264-7218  
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**From:** Yank Moore <[y Moore@jekyllisland.com](mailto:y Moore@jekyllisland.com)>  
**Sent:** Wednesday, November 13, 2024 3:12 PM  
**To:** Byrnes, Elizabeth <[elizabeth.byrnes@dnr.ga.gov](mailto:elizabeth.byrnes@dnr.ga.gov)>; Tobler, Paul <[paul.tobler@dnr.ga.gov](mailto:paul.tobler@dnr.ga.gov)>  
**Subject:** Re: Golf Course - Jekyll

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Attached is a signed and stamped JD Line for the Golf Course Culvert Project. I will send over the rest of the application this afternoon or tomorrow.



Thanks,  
**Yank Moore**, *Director of Conservation*  
Jekyll Island Authority  
**Office:** 912.635.9384 | **Cell:** 912.215.9374  
**Wildlife Response Voicemail (24/7):** 912.222.5992  
**Wildlife Response Online Reporting System:** [Click Here](#)  
**Email:** [y Moore@jekyllisland.com](mailto:y Moore@jekyllisland.com)

---

**From:** Byrnes, Elizabeth <[elizabeth.byrnes@dnr.ga.gov](mailto:elizabeth.byrnes@dnr.ga.gov)>  
**Sent:** Monday, October 21, 2024 8:05 AM  
**To:** Yank Moore <[y Moore@jekyllisland.com](mailto:y Moore@jekyllisland.com)>; Tobler, Paul <[paul.tobler@dnr.ga.gov](mailto:paul.tobler@dnr.ga.gov)>  
**Subject:** RE: Golf Course - Jekyll

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Good morning,

I am emailing as a follow up to our site visit 10/16/2024. We placed 13 pink pin flags from south to north delineating the marsh/upland boundary for the western pond and we determined the pond to the east is not tidal at this time. They are labeled with DNR# and the date we were on site. If you need a verification letter, please send me a signed, stamped, and dated survey that clearly indicates the flags, and I would be happy to execute one for you.

Please remember, any work in, or seaward of, the state's jurisdiction line needs authorization from CRD.

All work including demolition, filling, grading, clearing and construction on the upland is under the Environmental Protection Division and Glynn County's review.

Please coordinate those permit applications accordingly.

Thank you,

**Beth Byrnes**  
Coastal Permit Coordinator  
**[Coastal Resources Division](#)**  
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CRD Main Line: 912-264-7218  
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**From:** Yank Moore <[y\\_moore@jekyllisland.com](mailto:y_moore@jekyllisland.com)>

**Sent:** Tuesday, October 8, 2024 3:25 PM

**To:** Byrnes, Elizabeth <[elizabeth.byrnes@dnr.ga.gov](mailto:elizabeth.byrnes@dnr.ga.gov)>; Tobler, Paul <[paul.tobler@dnr.ga.gov](mailto:paul.tobler@dnr.ga.gov)>

**Subject:** Re: Golf Course - Jekyll

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That works for me. Just give me a call when you're on the way and I can meet you at the golf clubhouse on Capt. Wylly.



Thanks,

**Yank Moore, Director of Conservation**

Jekyll Island Authority

**Office:** 912.635.9384 | **Cell:** 912.215.9374

**Wildlife Response Voicemail (24/7):** 912.222.5992

**Wildlife Response Online Reporting System:** [Click Here](#)

**Email:** [y\\_moore@jekyllisland.com](mailto:y_moore@jekyllisland.com)

---

**From:** Byrnes, Elizabeth <[elizabeth.byrnes@dnr.ga.gov](mailto:elizabeth.byrnes@dnr.ga.gov)>

**Sent:** Tuesday, October 8, 2024 3:23 PM

**To:** Yank Moore <[y\\_moore@jekyllisland.com](mailto:y_moore@jekyllisland.com)>; Tobler, Paul <[paul.tobler@dnr.ga.gov](mailto:paul.tobler@dnr.ga.gov)>

**Subject:** Golf Course - Jekyll

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Good Afternoon Yank,

Would you be available on Wednesday, October 16<sup>th</sup> to look at the pond on the golf course? We have another meeting on Horse Stamp Church Road at 9:30am. I am guessing we will be about an hour out there and could then head to Jekyll after. Let me know if this works, and we will get it on the schedule.

Thank you,

**Beth Byrnes**

Coastal Permit Coordinator

**[Coastal Resources Division](#)**

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CRD Main Line: 912-264-7218

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DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS, SAVANNAH DISTRICT  
100 W. OGLETHORPE AVENUE  
SAVANNAH, GEORGIA 31401-3604

September 11, 2024

Regulatory Division  
SAS-2019-00616

Mr. Guy (Yank) Moore III  
Jekyll Island Authority  
100 James Road  
Jekyll Island, Georgia 31527

Dear Mr. Moore:

I refer to the Pre-Construction Notification submitted on June 25, 2024, requesting verification for use of Nationwide Permit (NWP) No. 3a (Maintenance) for impacts to 0.03 acres of wetland for the removal of a 150ft culvert to be replaced with an open water feature. The project site is located on the Oleander Golf Course at Jekyll Island, Glynn County, Georgia (Latitude 31.061371, Longitude -81.411376). This project has been assigned number SAS-2019-00616 and it is important that you refer to this number in all communication concerning this matter.

We have completed coordination with other federal and state agencies as described in Part C (32)(d) of our NWP Program, published in the January 13, 2021, Federal Register, Vol. 86, No. 8, Pages 2744-2877 (86 FR) and/or the December 27, 2021, Federal Register, Vol. 86, No. 245, Pages 73522-73583 (86 FR). The NWPs and Savannah District's Regional Conditions for NWPs can be found on our website at <http://www.sas.usace.army.mil/Missions/Regulatory/Permitting/GeneralPermits/NationwidePermits.aspx>. During our coordination procedure, no adverse comments regarding the proposed work were received.

As a result of our evaluation of your project, we have determined that your proposed activity is authorized under NWP 3a, as described in Part B of the NWP Program. However, at this time, the Georgia Department of Natural Resources, Coastal Resources Division (Georgia CRD), has denied Georgia Coastal Management Program (GCMP) certification, pursuant to the Coastal Zone Management Act, of 1972 (16 U.S.C. § 1455), as amended, for use of a NWP for your project.

This letter is the U.S. Army Corps of Engineers' provisional verification for your use of NWP 3a, and does not authorize work in aquatic resources on the project site. Prior to

beginning work in aquatic resources, you must obtain GCMP certification from the Georgia CRD for your project and submit a copy of this certification to this office.

Once you submit a copy of the GCMP Certification for your project to this office, you will have fulfilled this prerequisite for use of the NWP. You will not receive confirmation of receipt of the required certification from this office.

Please be advised that if you fail to obtain and submit the necessary GCMP Certification prior to beginning work, this action would be considered a willful and knowing violation of Section 404 of the Clean Water Act and appropriate enforcement action will be taken.

Your use of this NWP is valid only if you comply with all of the following conditions:

a. The activity is conducted in accordance with the information submitted and meets the conditions applicable to the NWP, as described at Part C of the NWP Program and the Savannah District's Regional Conditions for NWPs.

b. You shall notify the Corps, in writing, at least 10 days in advance of commencement of work authorized by this permit.

c. You fill out and sign the enclosed certification and return it to our office within 30 days of completion of the activity authorized by this permit.

d. All work shall be completed in accordance with the enclosed plans titled "Oleander Golf Course Pond #7 Activity #1 and #2", sheets 1-6.

This proposal was reviewed in accordance with Section 7 of the Endangered Species Act. Based on the information we have available, we have determined that the project may affect, but is not likely to adversely affect the wood stork (*Mycteria americana*) and Eastern indigo snake (*Drymarchon corais couperi*); and/or would have no effect on any other threatened or endangered species nor any critical habitat for such species. Authorization of an activity by a NWP does not authorize the "take" of threatened or endangered species. In the absence of separate authorization, both lethal and non-lethal "takes" of protected species are in violation of the Endangered Species Act. See Part (C) of 86 FR for more information.

This verification is valid until the NWP is modified, reissued or revoked. All of the existing NWPs are scheduled to expire on March 14, 2026. It is incumbent upon you to remain informed of changes to the NWPs. Furthermore, if you commence or are under

contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

This authorization should not be construed to mean that any future projects requiring Department of the Army authorization would necessarily be authorized. Any new proposal, whether associated with this project or not, would be evaluated on a case-by-case basis. Any prior approvals would not be a determining factor in making a decision on any future request.

Revisions to your proposal may invalidate this authorization. In the event changes to this project are contemplated, I recommend that you coordinate with us prior to proceeding with the work.

This communication does not relieve you of any obligation or responsibility for complying with the provisions of any other laws or regulations of other federal, state or local authorities. It does not affect your liability for any damages or claims that may arise as a result of the work. It does not convey any property rights, either in real estate or material, or any exclusive privileges. It also does not affect your liability for any interference with existing or proposed federal projects. If the information you have submitted and on which the Corps bases its determination/decision of authorization under the NWP is later found to be in error, this determination may be subject to modification, suspension, or revocation.

An electronic copy of this letter is being provided to the following party: Mr. Guy "Yank" Moore III

Thank you in advance for completing our on-line Customer Survey Form located at <https://regulatory.ops.usace.army.mil/customer-service-survey/> . We value your comments and appreciate your taking the time to complete a survey each time you have interaction with our office.

- 4 -

If you have any questions, please contact me by email at [jared.k.chrisp@usace.army.mil](mailto:jared.k.chrisp@usace.army.mil) or phone at 912-293-1055.

Sincerely,

A handwritten signature in cursive script that reads "Jared Chrisp".

Jared K. Chrisp  
Project Manager, Coastal Branch

Enclosures

CERTIFICATION OF COMPLIANCE  
WITH  
DEPARTMENT OF THE ARMY  
NATIONWIDE PERMIT 3a

PERMIT FILE NUMBER: SAS-2019-00616

PERMITTEE/ADDRESS: Mr. Guy (Yank) Moore III, Jekyll Island Authority  
100 James Road, Jekyll Island, Georgia 31527

LOCATION OF WORK: The project is located on the Oleander Golf Course at Jekyll Island, Glynn County, Georgia (Latitude 31.061371, Longitude -81.411376).

PROJECT DESCRIPTION: Removal of a 150ft culvert to be replaced with a open water feature.

ACRES AND/OR LINEAR FEET OF WATERS OF THE UNITED STATES IMPACTED:  
0.03

DATE WORK IN WATERS OF UNITED STATES COMPLETED: \_\_\_\_\_

COMPENSATORY MITIGATION REQUIRED: No

DATE MITIGATION COMPLETED OR PURCHASED (include name of bank):  
\_\_\_\_\_

I understand that the permitted activity is subject to a U.S. Army Corps of Engineers' Compliance Inspection. If I fail to comply with the permit conditions at Part C of the Nationwide Permit Program, published in the January 13, 2021, Federal Register, Vol. 86, No. 8, Pages 2744-2877 (86 FR) and/or the December 27, 2021, Federal Register, Vol. 86, No. 245, Pages 73522-73583 (86 FR), it may be subject to suspension, modification or revocation.

I hereby certify that the work authorized by the above referenced permit as well as any required mitigation (if applicable) has been completed in accordance with the terms and conditions of the said permit.

\_\_\_\_\_  
Signature of Permittee

\_\_\_\_\_  
Date

# Existing Conditions

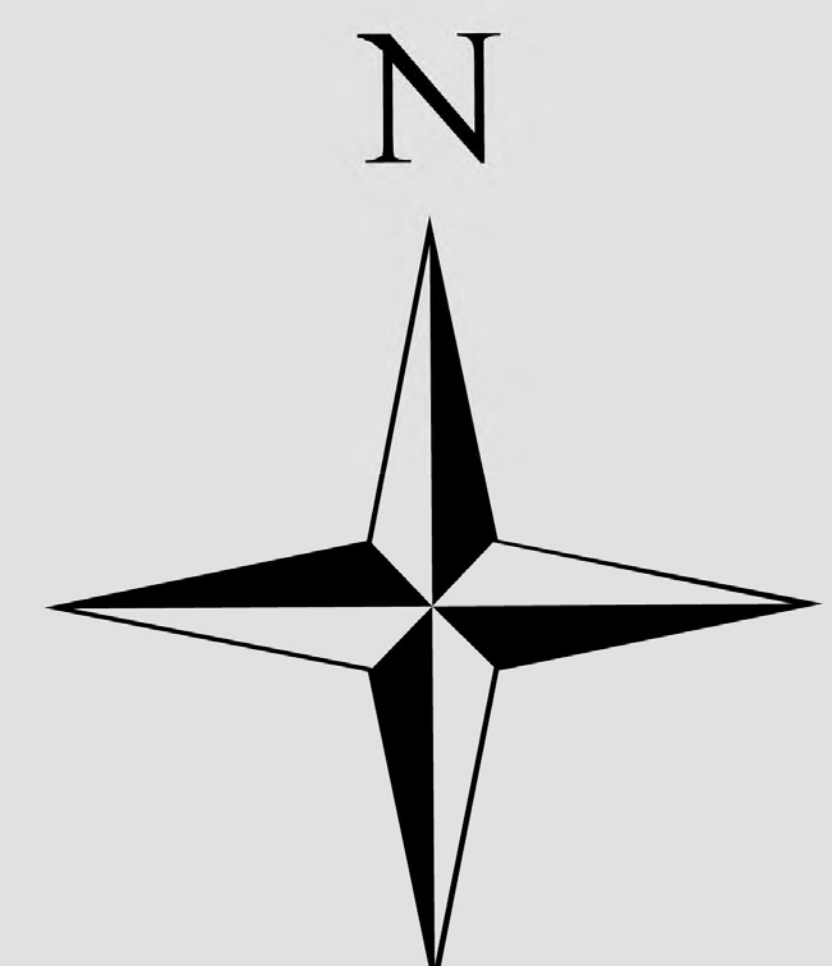


# Proposed Enhancements



## Oleander Golf Course Pond #7 Activity #1 and #2

31.061361, -81.411395

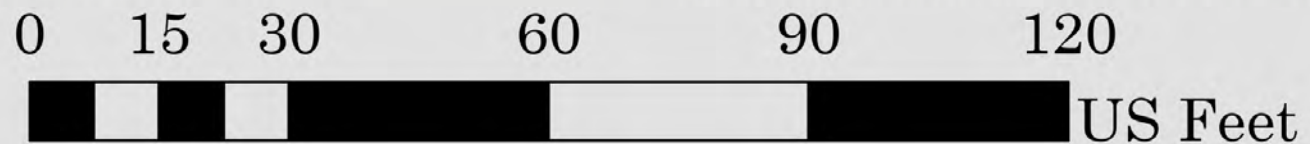


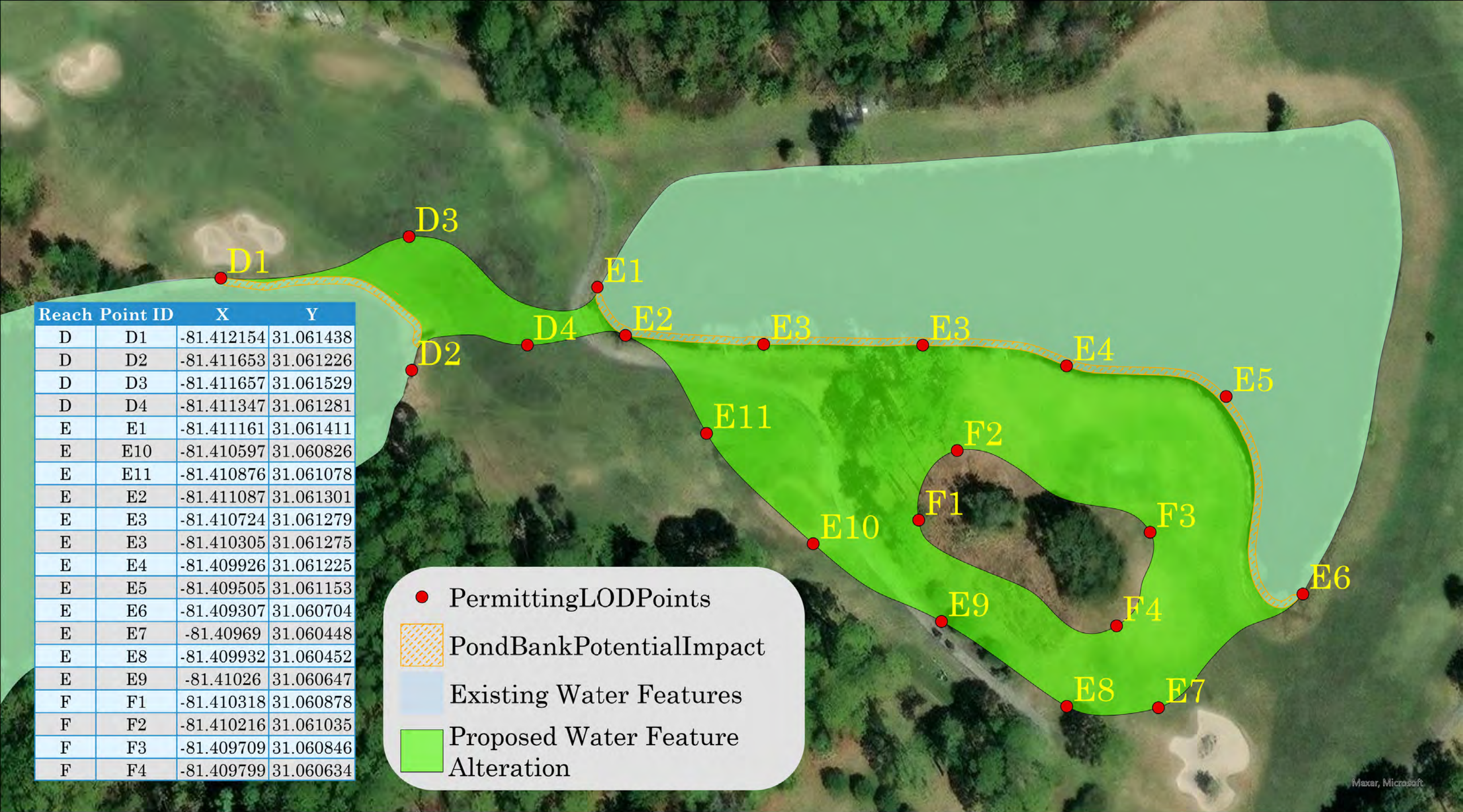




Oleander Golf Course Pond #7  
Activity #2

31.061361, -81.411395





# Oleander Golf Course Pond #7

## Activity #1 and #2

31.061361, -81.411395

0 62.5 125

250

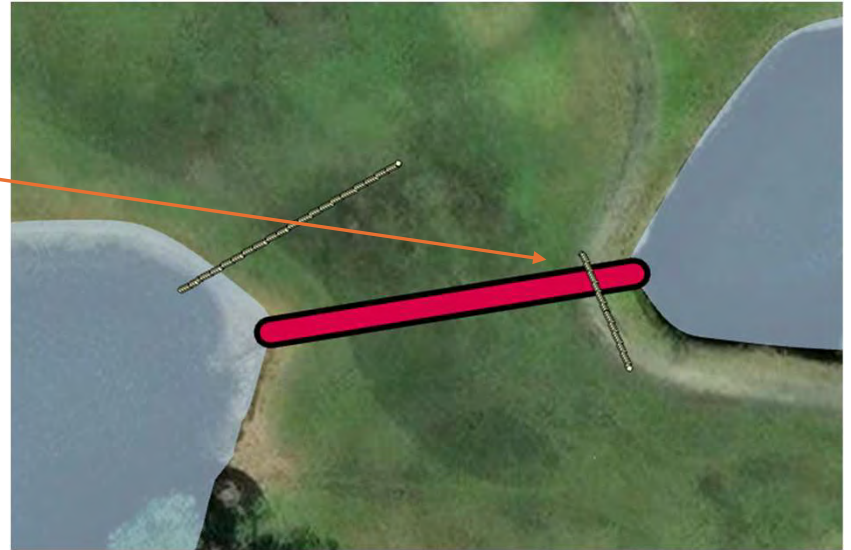
375

500

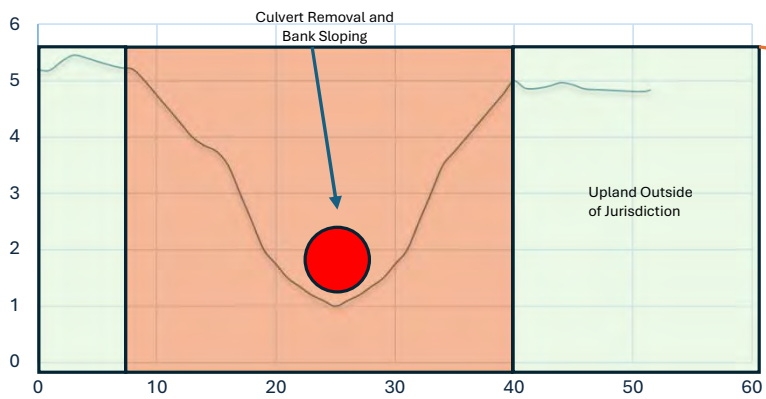
US Feet



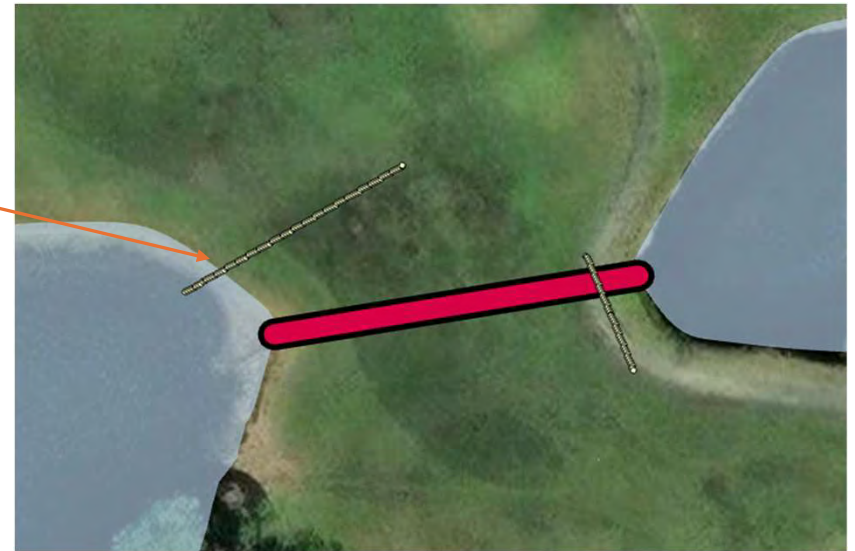
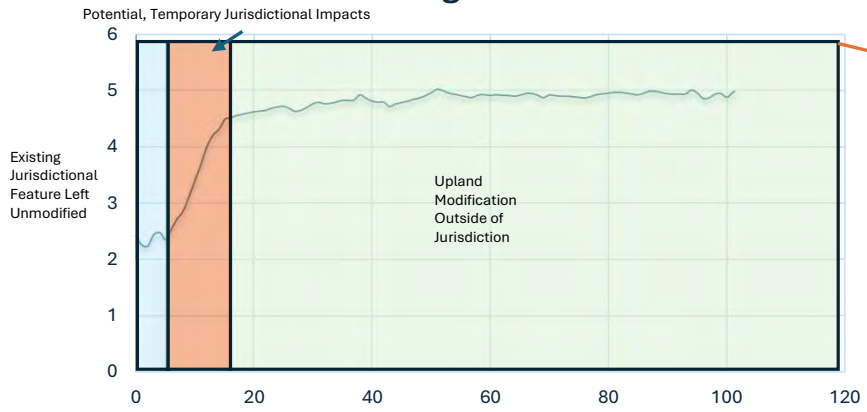
### Existing Conditions



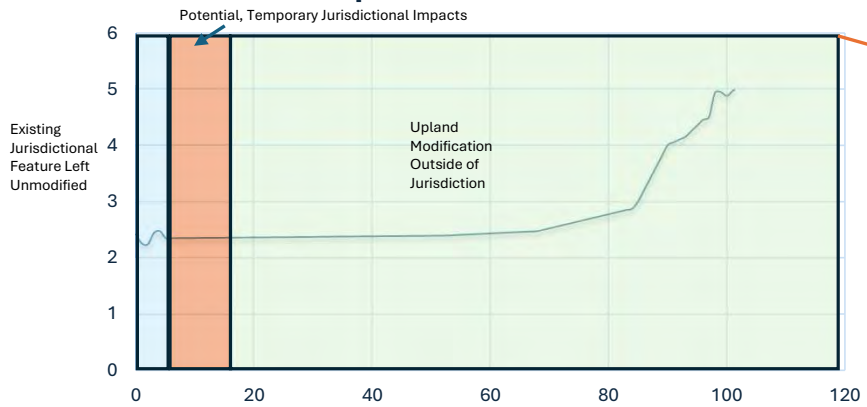
### Proposed Modification

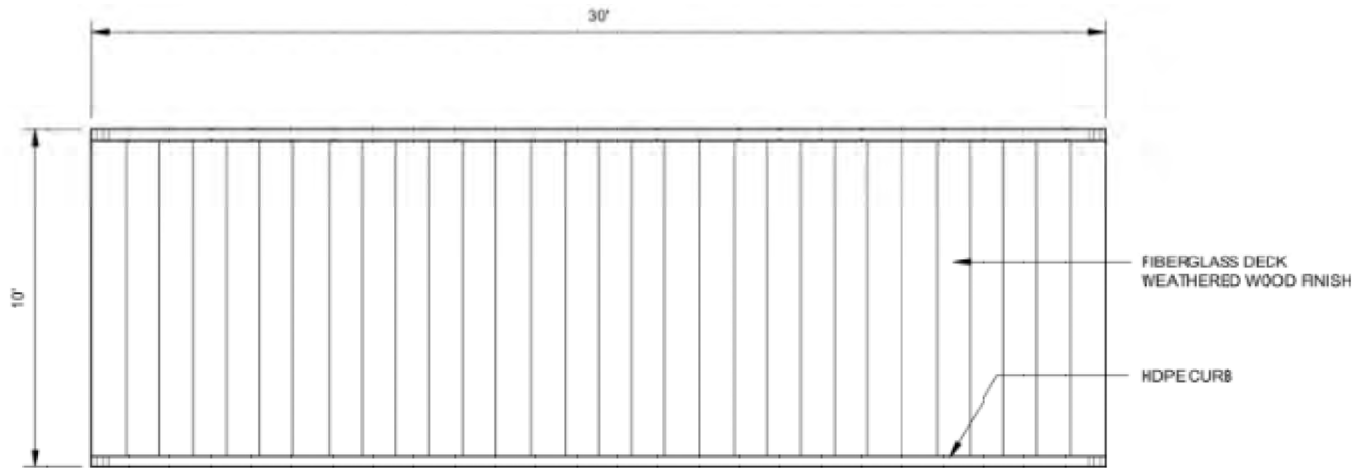



## Existing Conditions

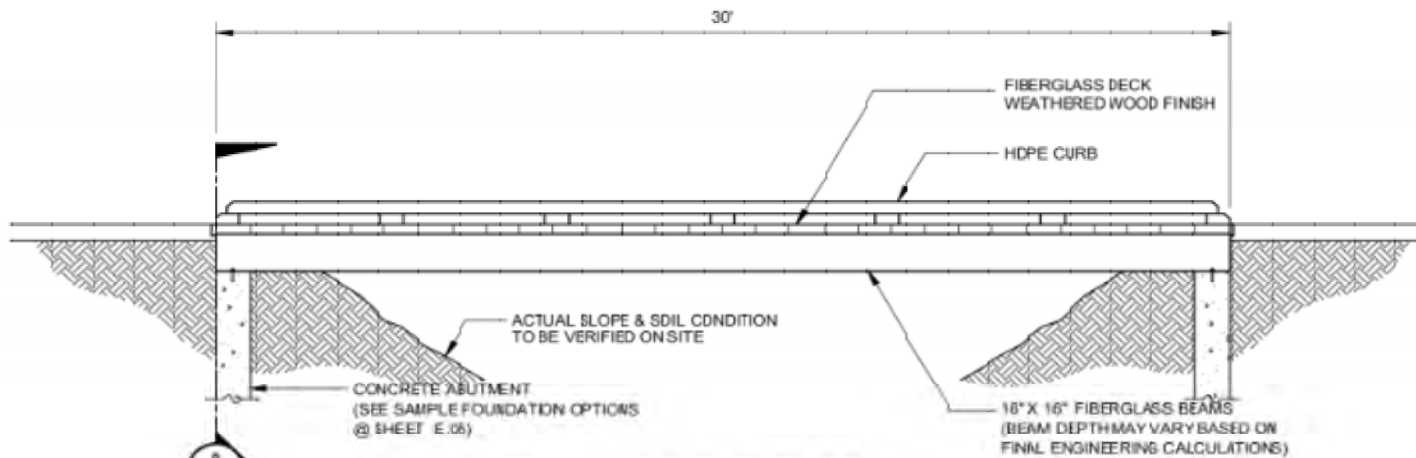


## Proposed Modifications





  
**A PLAN**  
 SCALE: 1" = 3' / 16"



  
**B SIDE ELEVATION**  
 SCALE: 1" = 3' / 16"

CLIENT  
**JEKYLL ISLAND GOLF CLUB**

SITE  
322 Captain Wyly Rd,  
Jekyll Island, GA 31527

LOCATION ON SITE  
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SPECIFICATION	
TYPE	TIMBER
SIZE	10' X 30'
FINISH	WEATHERED WOOD
GUARD RAIL	CURB
ULL	--
VLL	10,000 LBS

ISSUE # 01 PRELIMINARY ENGINEERING

DRAWING  
**ENGINEERING:  
BRIDGE DETAILS - 01**

DATE	20 FEB. 2024	SHEET #
SCALE	1' - 0" - 3' / 16"	<b>E.01</b>
DRAWN BY	CLC	
FILE #	24-048-TP1-10X30TC	



1800 W. STATE ST. SUITE 104  
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