



# Hillsborough River Interlocal Planning Board & Technical Advisory Council

## Hillsborough River Interlocal Planning Board

Monday, October 24, 2022, 9:30 am

Meeting Location: 18<sup>th</sup> floor County Center / Online

1. **Call to Order**
2. **Roll Call**
3. **Pledge of Allegiance**
4. **Public Comment**
- ★5. **Approval of Previous Meeting Summary**
  - A. River Board: July 25, 2022\* (p.3)
  
6. **Presentations, Reports & Status Updates**
  - A. River Speed Zone Gaps, Karla Price, COT
  - B. 2023 River Board Meeting Schedule\* (p.7)
  
- ★7. **Consistency Determinations**
  - A. Port Tampa Bay Minor Work Permit No.73731\*(p.9)
  - B. Port Tampa Bay Minor Work Permit No.74408\*(p.18)
  - C. Port Tampa Bay Minor Work Permit No.74677\*(p.29)
  - D. Port Tampa Bay Minor Work Permit No.74820\*(p.37)
  - E. Port Tampa Bay Minor Work Permit No.74990\*(p.43)
  - F. Port Tampa Bay Minor Work Permit No.21-064\*(p.50)
  - G. Port Tampa Bay Minor Work Permit No.22-030\*(p.56)
  - H. Port Tampa Bay Minor Work Permit No.22-038\*(p.73)
  - I. Port Tampa Bay Minor Work Permit No.22-039\*(p.82)
  
8. **Other Business**
  - A. River Stewardship Award Program October 27<sup>th</sup>, 5pm\*(p.93)

★ *Indicates Action Required*

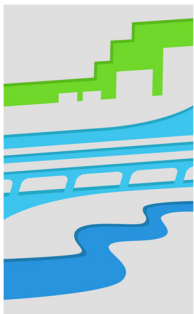
\* *Indicates backup material provided*

Technical support during the meeting may be obtained by contacting Priya Nagaraj at (813) 310-9709 or [PriyaN@plancom.org](mailto:PriyaN@plancom.org).

Registration to participate online:

<https://attendee.gotowebinar.com/register/1379494993089107727>

*Offices and meeting rooms are closed to the public in response to the COVID-19 pandemic.*



**Plan Hillsborough**  
[planhillsborough.org](http://planhillsborough.org)  
[planner@plancom.org](mailto:planner@plancom.org)  
813 - 272 - 5940  
601 E Kennedy Blvd  
18<sup>th</sup> Floor  
Tampa, FL, 33602

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# Hillsborough River Interlocal Planning Board & Technical Advisory Council

July 25, 2022  
9:30 a.m.

Meeting Location:  
County Center/Online

## Hillsborough River Interlocal Planning Board Meeting Summary

### Present

Stacy White, BOCC, Chair  
Joseph Citro, COT  
Amber Smith, SWFWMD  
Rich Brown, HC Citizen  
Gail Reese, TPC  
Randy Smith, SWFWMD

Meredith Abel, TT  
Stu Marvin, TT Citizen  
Shawn College, RB Exec. Dir.  
Richard Formica, COT Rep  
Sid Flannery

### **1. Call to Order**

Chair White called the meeting to order at 9:30 AM.

### **2. Roll Call**

Members were sufficient to establish a quorum

### **3. Pledge of Allegiance**

Chair White led in the Pledge of Allegiance

### **4. Public Comment**

None.

### **5. Approval of Previous Meeting Summary**

A. River Board: April 19, 2022

**Motioned by Joseph Citro and seconded by Meredith Abel, the River Board approved the meeting summary unanimously.**

### **6. Presentations, Reports & Status Updates**

A. Minimum Flow Status (Sid Flannery) *(for detailed information, please refer to the presentation provided to the River Board TAC members)*

- Review of background information on how the item has come to the Board. After the TAC meeting, an email was received noting the City of Tampa would commit to the minimum flows.
- Has been involved with the river for over 30 years professionally and privately.
- Review of what minimum flows are and the requirements.
- Went over historical information from 1995 – 2021 with the no-flow days at the dam.
- Review of the characteristics of the Hillsborough River.
- Reviewed the data being monitored on the Lower Hillsborough River
- Minimum flows are required by Florida Statutes

- Even small minimum flows can significantly reduce the salinity and improves the flushing and water quality in the river
- Went over recommendations of the Tampa Bay National Estuary Program Minimum Flows Advisory Group, 1996 – 1997
- Noted that the diversions of Sulpher Springs water to the base of the dam can improve salinity in that part of the river.
- Went over 2007 independent technical review and rule adoption
- Showed sources for Lower Hillsborough River minimum flows: Sulphur Springs, Blue Sink, Tampa Bypass Canal, Morris Bridge Sink
- Went over 2020 and 2021 Minimum flow rates implemented by the City of Tampa.
- There are safeguards available to prevent the overuse of resources.
- At this time, the letter may not be necessary as the City of Tampa has said that they intend to meet the minimum flows. At this time, it might be better to hold the letter to the city. The TAC meeting was very effective.
- The second recommendation is the letter to SWFWMD to reevaluate the minimum flows for the Lower Hillsborough River as soon as practicable. The reevaluation would be a chance to update the 2007 adoption. Recommends that this letter be sent.

**Recommended Action:** The TAC recommends the River Board issue drafted letters to the City of Tampa and the SWFWMD.

### **Discussion**

It was asked about the Middle River and what impact would be felt by increasing the minimum flows to the Lower River. It would have no measurable effect on the water levels on the Middle River.

Randy Smith noted that the City of Tampa did achieve the freshwater equivalent after the TAC meeting for about a week. The District does reevaluate the MFL every so often. The Lower Hillsborough is under a recovery plan through 2025. It is evaluated every year. The last five-year data collection period ends in the summer 2024 and the report will be released. In 2025, a new MFL can be set. The district is committed to reevaluating this in the future. It was asked if there would be any harm in sending the letter. There would be no harm but the District is already committed to it. The letter emphasizes that the evaluation be done as soon as practicable.

**Meredith Abel moved to hold off sending the letter to the City of Tampa for one year and look at what the City of Tampa does during that time. Seconded by Joseph Citro.**

Discussion: It was recommended that the River Board respond to the email, respect the response, and will be looking for the City to meet the commitment. A friendly amendment was made to hold the letter but respond to the email. Amendment accepted.



**The Voice vote passes unanimously.**

**B. 2022 River Stewardship Award Selection**

- TAC considered contributions to the Hillsborough River by various parties.
- Recommend the award be presented to Scott Harris.
- Ceremony will be held at the Bryan Glazer Family Jewish Community Center on Thursday, October 27, 2022.

**Recommended Action:** Select Scott Harris to receive the 2022 River Stewardship Award.

**Meredith Abel moved to accept Scott Harris to receive the award, seconded by Joseph Abel. The Voice vote passes unanimously.**

**7. Consistency Determinations**

**Recommended for Approval** – TAC has found these consistent and recommends approval.

- A.** Port Tampa Bay Minor Work Permit No. 64737
  - Installation of rip-rap and approximately 51 linear feet of replacement seawall.
- B.** Port Tampa Bay Minor Work Permit No. 72214
  - Installation of a new 227 square foot wood dock.
- C.** Port Tampa Bay Minor Work Permit No. 74311
  - Install roof over existing boat lift.
- D.** Port Tampa Bay Minor Work Permit No. 74713
  - Construction of a replacement dock and covered boat lift.
- E.** Port Tampa Bay Minor Work Permit No. 51694
  - Re-nourish rip-rap revetment along approximately 92 linear feet of shoreline.
- F.** Port Tampa Bay Minor Work Permit No. 70468(R2)
  - Installation of a dock and two non-covered boat lifts.
- G.** Port Tampa Bay Minor Work Permit No. 74889
  - Installation of a dock and non-covered boatlift.

**Chair Whites asked for a motion to approve all seven items. Joseph Citro so moved, seconded by Meredith Abel. Voice vote, motion passes unanimously.**

**8. Other Business**

- A.** TAC review – noted water levels have been good with the rains, there have been several river clean-ups. The City of Tampa has a new boat for cleaning the river. The water is heating up and things are growing in the water. Friends of the River is launching an initiative to help control speeders by videotaping the speeders and sending them in to be collected and turned in. Dolphins have been spotted closer to the dam. The higher water can flow over the fixed docks; they start to

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disintegrate and put wood with screws and spikes into the river. Those addresses are being sent in. The PURE project is ongoing.

- B.** Councilman Citro noted the new city skimmer boat for removing trash. He also noted the new no-wake zone and the gap on the river. He asked if there was anything that the River Board could do about it? It was suggested that TAC write a letter about the safety issues in the area. It was noted that there was rezoning in that area. Confirmed that TAC put the issue on their agenda and consider recommending a letter to be brought to the next meeting.

Chair White adjourned the meeting at 10:20 AM.



**Hillsborough River  
Interlocal Planning Board  
& Technical Advisory Council**

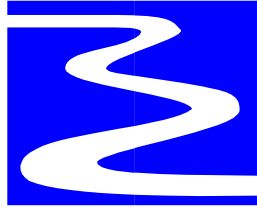
**Agenda 6. B. 2023 River Board Meeting Schedule**

**Attachments:**

2023 Meeting Schedule



**Plan Hillsborough**  
[planhillsborough.org](http://planhillsborough.org)  
[planner@plancom.org](mailto:planner@plancom.org)  
813 - 272 - 5940  
601 E Kennedy Blvd  
18<sup>th</sup> floor  
Tampa, FL, 33602



## HILLSBOROUGH RIVER INTERLOCAL PLANNING BOARD 2023 MEETING DATES

Meetings are scheduled at 9:30 a.m., except as noted below.

Monday, January 23

Tuesday, April 18 (Joint Meeting with TAC at 1:30 pm)

Monday, July 24

Monday, October 23

Location: Meetings will be held in the Plan Hillsborough Room on the 18<sup>th</sup> Floor of County Center, 601 E. Kennedy Blvd., Tampa, FL.

Monthly meeting agendas will be posted on our website located at <http://www.planhillsborough.org>. For further meeting information, contact staff at 813-547-3367.



**Hillsborough River  
Interlocal Planning Board  
& Technical Advisory Council**

**Agenda Item 7. A. Minor Work Permit No. 73731, (EPC)**

**Attachments:**

1. Minor Work Permit Application



**Plan Hillsborough**  
[planhillsborough.org](http://planhillsborough.org)  
[planner@plancom.org](mailto:planner@plancom.org)  
813 - 272 - 5940  
601 E Kennedy Blvd  
18<sup>th</sup> floor  
Tampa, FL, 33602



Janet D. Lorton, Executive Director

# PERMIT

PERMIT NUMBER: 73731

PERMITTEE: GEOFFREY CHAMBERS  
708 W. HENRY AVENUE  
TAMPA, FL 33604

AGENT: N/A

PROJECT DESCRIPTION: INSTALLATION OF APPROXIMATELY 140 LINEAR FEET OF VINYL SHEET PILE IN FRONT OF THE EXISTING SEAWALL AND CONSTRUCTION OF A NEW DOCK PURSUANT TO PERMIT EXHIBITS AND CONDITIONS

PROJECT LOCATION: 708 W. HENRY AVENUE, UNIT 1/2, TAMPA, FL 33604 / HILLSBOROUGH RIVER

DATE OF ISSUE: AUGUST 9, 2022  
EXPIRATION DATE: AUGUST 9, 2025

**THIS PERMIT CARD SHALL BE  
PROMINENTLY DISPLAYED AT THE  
WORKSITE. FOR QUESTIONS CALL THE  
WETLANDS DIVISION (813) 627-2600.**



**RECEIVED**

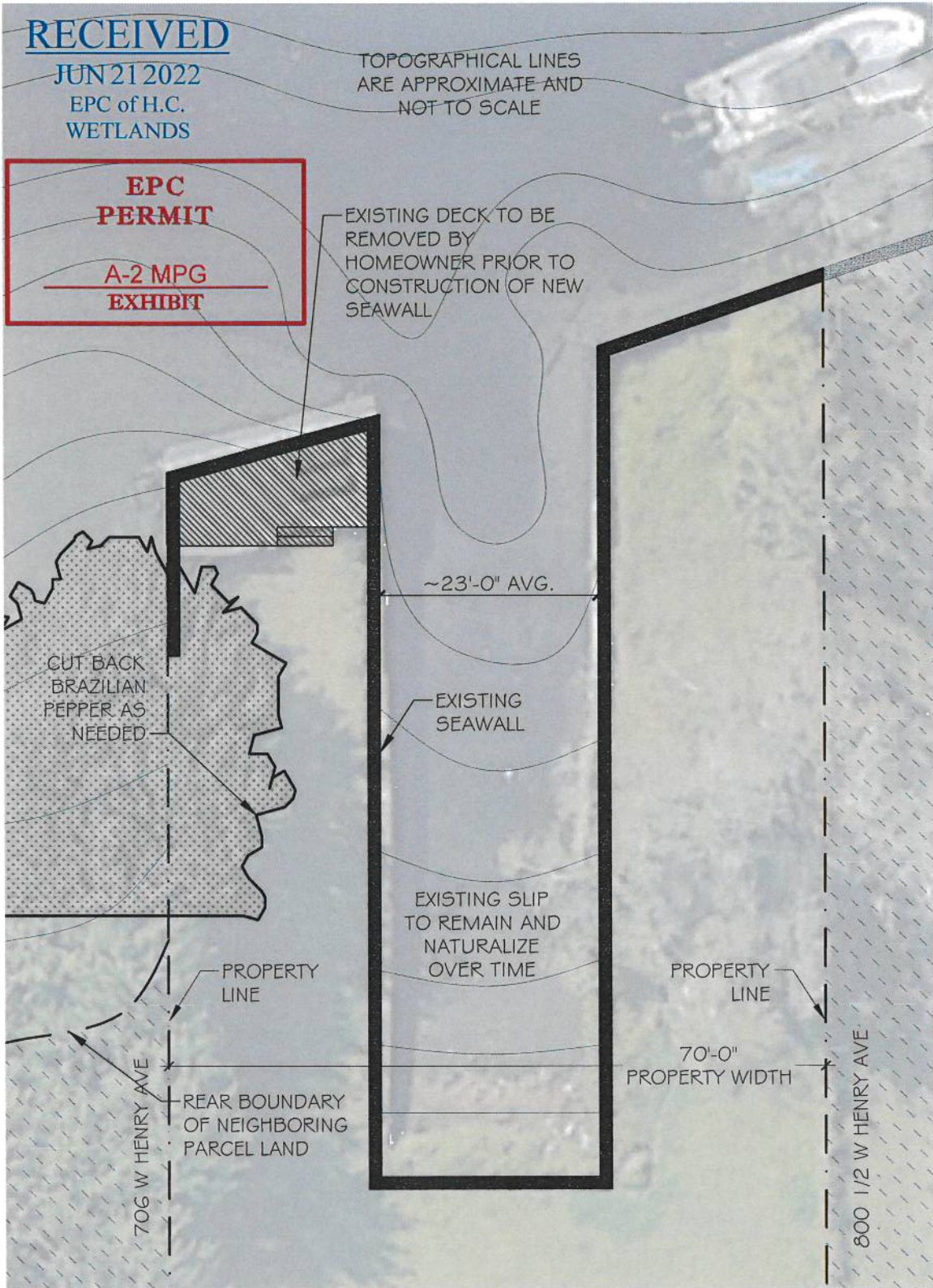
**JUN 21 2022**

**EPC of H.C.  
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TOPOGRAPHICAL LINES  
ARE APPROXIMATE AND  
NOT TO SCALE

**EPC  
PERMIT**  
**A-2 MPG  
EXHIBIT**

EXISTING DECK TO BE  
REMOVED BY  
HOMEOWNER PRIOR TO  
CONSTRUCTION OF NEW  
SEAWALL



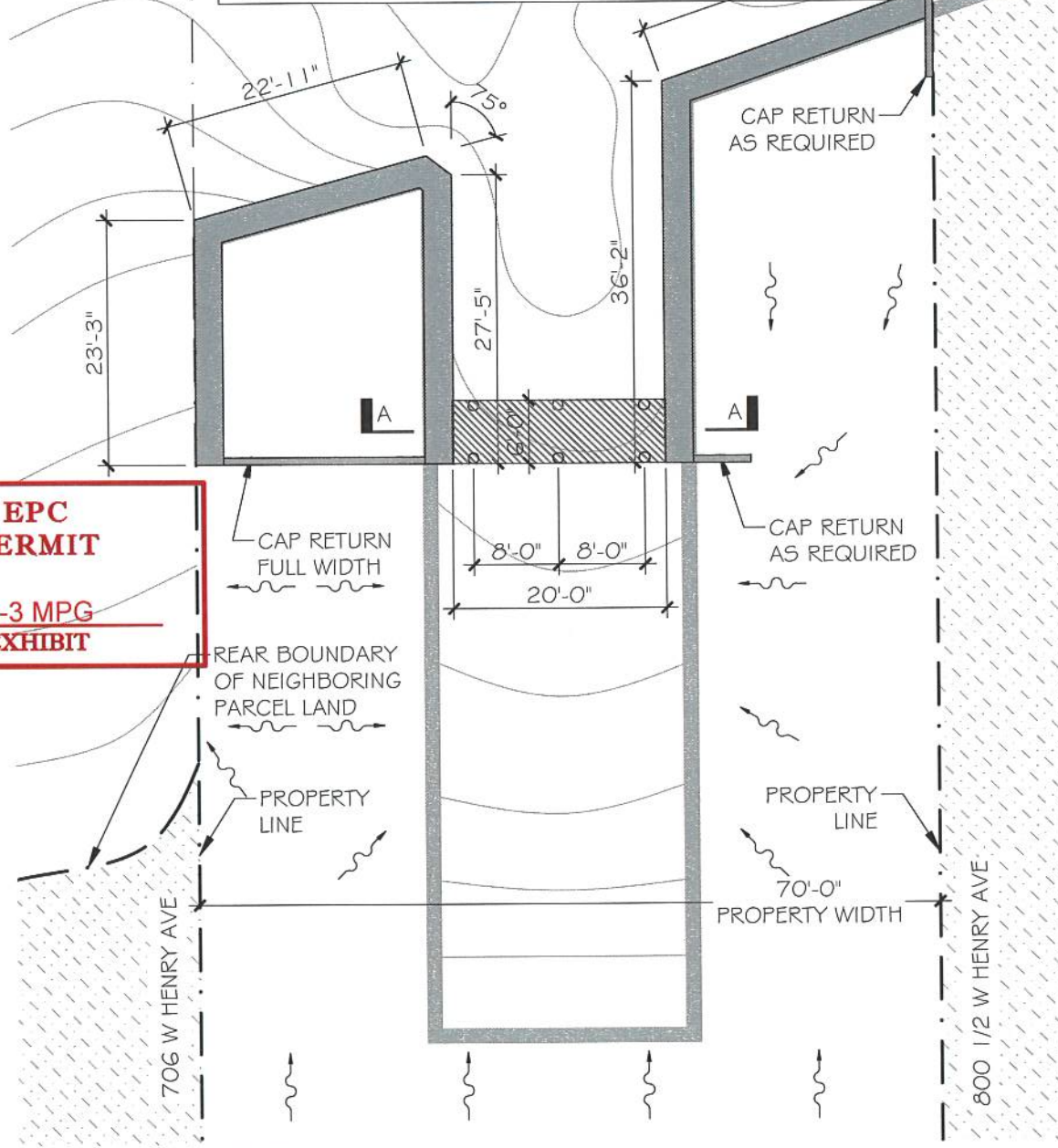
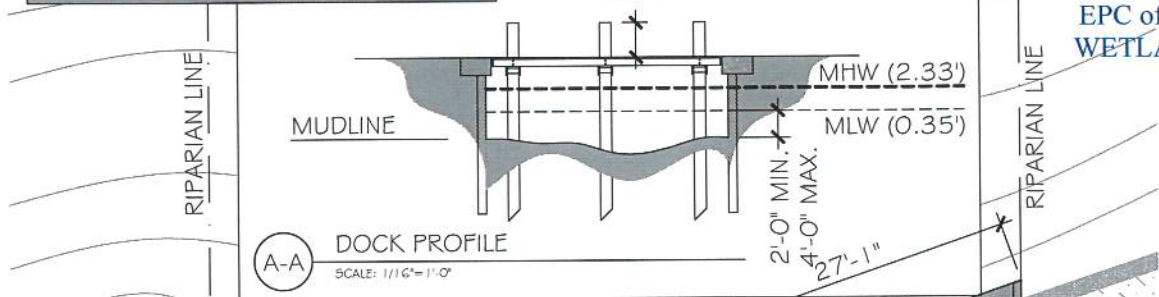
Site Address: 708 1/2 WEST HENRY AVENUE TAMPA, FL 33604		Sheet Contents:  EXISTING CONDITIONS		<b>SABAL</b> engineering
Project No.: 19-000B-3	Scale: 1/16" = 1'-0"	Project Title:  SEAWALL REPLACEMENT AND NEW DOCK		
Date: 6/20/2022	Sheet: <b>52</b>			
Drawn: GAC				
Checked: GAC				

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TOTAL LENGTH OF SEAWALL = 140 LF  
TOTAL AREA OF DOCK = 120 SF



**EPC PERMIT**  
**A-3 MPG EXHIBIT**

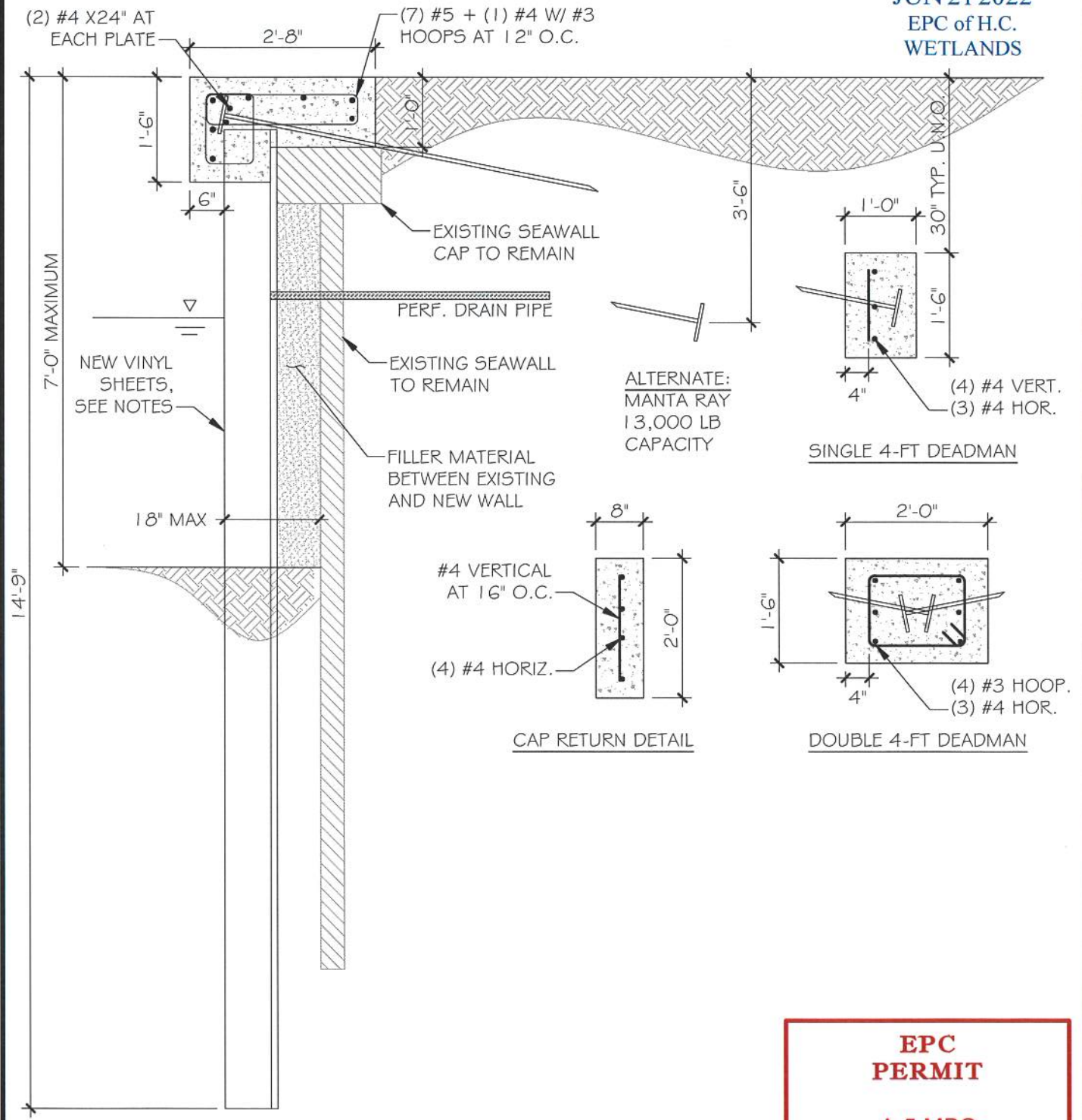
Site Address 708 1/2 WEST HENRY AVENUE TAMPA, FL 33604		Sheet Contents  <b>SITE PLAN</b>
Project No. 19-000B-3	Scale 1/16" = 1'-0"	
Date 6/20/2022	<b>53</b>	Project Title: <b>SEAWALL REPLACEMENT AND NEW DOCK</b>
Drawn GAC		
Checked GAC		

**SABAL**  
engineering



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**EPC  
PERMIT**

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**A-5 MPG  
EXHIBIT**

Site Address 708 1/2 WEST HENRY AVENUE TAMPA, FL 33604	
Project No. 19-000B-3	Scale 1/2" = 1'-0"
Date 6/20/2022	Sheet <b>S5</b>
Drawn GAC	
Checked GAC	

Sheet Contents <b>DETAILS</b>
Project Title <b>SEAWALL REPLACEMENT AND NEW DOCK</b>



Changes in red made be EPC staff  
MPG 7/14/22

**Hager, Margaret**

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**From:** noreply@fs2.formsite.com on behalf of epcinfo at epchc.org  
<noreply@fs2.formsite.com>  
**Sent:** Sunday, June 19, 2022 6:36 PM  
**To:** Hager, Margaret  
**Subject:** MWP09 - Minor Work Permit Application Result #13451571

<b>NEW</b>	\$650 Review Fee
<b>Fee Amount:</b>	650.00
<b>Item #211</b>	Approximately 140 LF of new sea wall in front of existing sea wall. Additionally, a 6x20 dock will be added along sea wall within slip.
<b>Item #146</b>	Request to be present at site inspection.
<b>Owner First Name</b>	Geoffrey
<b>Owner Last Name</b>	Chambers
<b>Mailing Address</b>	708 W. Henry Ave.
<b>City</b>	Tampa
<b>State</b>	FL
<b>Zip Code</b>	33604
<b>Owner Telephone Number(s)</b>	8135230218
<b>Email Address</b>	<a href="mailto:geoffrey@sabalengineering.com">geoffrey@sabalengineering.com</a>
<b>Are you using an agent?</b>	No
<b>Site Street Address</b>	708 W Henry Ave, <b>Unit 1/2</b>
<b>City</b>	Tampa
<b>State</b>	FL
<b>Zip Code</b>	33604
<b>Folio Numbers(s) of Site</b>	162434-0000
<b>Parcel ID:</b>	
<b>Section</b>	
<b>Required</b>	35

Changes in red made be EPC staff  
MPG 7/14/22

**Township**

Required 28

**Range**

Required 18

**Name of Water Body / Waterway at Proposed Project** Hillsborough River

**Proposed:** Private Single-Dwelling

**Owner** Tampa?

**Check to confirm that your project is not located in critical habitat for smalltooth sawfish or gulf sturgeon, as applicable.** Confirmed

**Check to confirm that if your project is located in waters accessible to manatees, the project shall not affect or will not directly or indirectly likely adversely affect manatees, as applicable.** Confirmed

**A. Structures** New Work  
Maintenance / Replacement

**1) Dock, Observation Deck, Pier, or Elevated Boardwalk (check applicable boxes)** Dock

**Item #232**

**Length of Shoreline (in linear feet)**

(if applicable) ~235

**Number of Proposed Docks**

(if applicable) 1

Changes in red made be EPC staff  
MPG 7/14/22

Number of Boat Slips / Lifts

(if applicable) 0

Length from OHW/MHW to Waterward Edge of Structure (in feet)

(if applicable) 6

Width of Structure (in feet)

(if applicable) 20

Mooring Water Depth at O/MLW (in feet)

(if applicable) 4

Existing Structure Area (in square feet)

(if applicable) 0

Proposed Structure Area (in square feet)

(if applicable) 120

Overall Area of Facility (in square feet)

(if applicable) 1205 (Including Pre-Empted Area)

2) Seawalls, Rip-Rap, Seawall  
Revetments, or Other  
Shoreline  
Stabilization (check  
applicable boxes)

Item #237

Length of Shoreline at Site (in linear feet)

(if applicable) ~235

Length of Work Proposed Along Shoreline (in linear feet)

(if applicable) 140

Seawall Vertical Height (in feet)

(if applicable) 7

Rip-Rap Slope - Horizontal Distance (in feet)

Rip-Rap Slope - Vertical Height (in feet)

Type of Material

(if applicable) Vinyl

**Dredged Volume (in cubic feet)**

**Filled Volume (in cubic feet)**

**To Begin On:** 09/01/2022

**To Be Completed By:** 10/31/2022

**Public Interest Comment Box:** The existing sea wall needs to be replaced. The new sea wall will improve the stability of the land and will be much more visibly appealing. This work will not hinder use of the river, nor adversely affect wetlands, fish and wildlife, water quality, public health and safety, etc.

**1st Adjacent Property Owner Name(s)** Cecil Morgan

**Mailing Address** 800.5 W Henry Ave

**City** Tampa

**State** FL

**Zip Code** 33604

**2nd Adjacent Owner** Carol Moore

**Mailing Address** 706 W Henry Ave

**City** Tampa

**State** FL

**Zip Code** 33604

**OWNER / APPLICANT ACKNOWLEDGEMENT** I am the property owner and applicant.

**B. CERTIFICATION OF SUFFICIENT REAL PROPERTY INTEREST AND AUTHORIZATION FOR STAFF TO ACCESS THE PROPERTY** By signing below, I certify that I, or the business organization, possess sufficient real property interest in or control over the land upon which the activities described in this application are proposed and that I have legal authority to grant permission to access those lands. I hereby grant permission, evidenced by my signature below, for staff of the EPC to access, inspect, and sample the lands and waters of the property as necessary for the review of the proposed works and other activities specified in this application. I authorize EPC, its agents, and assigns to enter the property as many times as may be necessary to make such review, inspection, and/ or sampling. Further, I agree to provide entry to the project site for such agents or personnel to monitor and inspect permitted work if a permit is granted.

**Owner/Applicant Signature**





**Hillsborough River  
Interlocal Planning Board  
& Technical Advisory Council**

**Agenda Item 7. B. Minor Work Permit No. 74408, (EPC)**

**Attachments:**

1. Minor Work Permit Application



**Plan Hillsborough**  
[planhillsborough.org](http://planhillsborough.org)  
[planner@plancom.org](mailto:planner@plancom.org)  
813 - 272 - 5940  
601 E Kennedy Blvd  
18<sup>th</sup> floor  
Tampa, FL, 33602



**From:** [noreply@fs2.formsite.com](mailto:noreply@fs2.formsite.com) on behalf of [epcinfo@epchc.org](mailto:epcinfo@epchc.org)  
**To:** [Hager, Margaret](#)  
**Subject:** MWP09 - Minor Work Permit Application Result #13189552  
**Date:** Friday, March 11, 2022 12:18:26 PM

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<b>NEW</b>	\$650 Review Fee
<b>Fee Amount:</b>	650.00
<b>Item #211</b>	<p>The work includes the rehabilitation of the Virginia Ave. Pump Station (City of Tampa) and replacement of the pump station force main, including demolition of components of the existing pumping station, modification of the wet well, providing new wastewater pumps, providing new electrical controls at two locations, instrumentation new sanitary sewers, abandonment of the existing forcemain, and all associated work for the wastewater system.</p> <p>In addition to the wastewater improvements the work includes upgrades to the stormwater collection system and re-grading of an existing brick street including catch basins, stormwater pipe, outfall MES, providing new fill material, curb and gutter, raising the elevation of portions of the brick street, and all associated work for the stormwater and road improvements.</p>
<b>Owner First Name</b>	Daniel
<b>Owner Last Name</b>	Rivera
<b>Company Name &amp; Title (if applicable)</b>	City of Tampa
<b>Mailing Address</b>	2545 Guy N. Verger Blvd.
<b>City</b>	City of Tampa
<b>State</b>	FL
<b>Zip Code</b>	33605
<b>Owner Telephone Number(s)</b>	8132748934
<b>Email Address</b>	<a href="mailto:daniel.rivera@tampagov.net">daniel.rivera@tampagov.net</a>
<b>Are you using an agent?</b>	Yes
<b>Agent First Name</b>	Mike
<b>Agent Last Name</b>	Pekkala
<b>Company Name (if applicable)</b>	Dewberry Engineers

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#74408

Street Address	202 Lake Miriam Dr, Suite E1
City	Lakeland
State	FL
Zip Code	33813
Telephone Number(s)	18633451481
Email Address	<a href="mailto:mpekkala@dewberry.com">mpekkala@dewberry.com</a>
Site Street Address	1115.5 W. Virginia Avenue
City	City of Tampa
State	FL
Zip Code	33603
Folio Numbers(s) of Site	N/A
Parcel ID:	
Section	
Required	11
Township	
Required	29
Range	
Required	18
Name of Water Body / Waterway at Proposed Project	Hillsborough River
Proposed:	Other
Explain, if Other	Municipal, City of Tampa Wastewater Lift Station
Owner	City of Tampa
Check to confirm that your project is not located in critical habitat for smalltooth sawfish or gulf sturgeon, as applicable.	Confirmed
Check to confirm that if	Confirmed

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your project is located in waters accessible to manatees, the project shall not affect or will not directly or indirectly likely adversely affect manatees, as applicable.

<b>A. Structures</b>	Addition / Modification
2) Seawalls, Rip-Rap, Revetments, or Other Shoreline Stabilization (check applicable boxes)	<ul style="list-style-type: none"> <li>• Rip-Rap</li> <li>• Other Shoreline Stabilization</li> </ul>
<b>Item #237</b>	
<b>Length of Shoreline at Site (in linear feet)</b>	
(if applicable)	80
<b>Length of Work Proposed Along Shoreline (in linear feet)</b>	
(if applicable)	40
<b>Seawall Vertical Height (in feet)</b>	
<b>Rip-Rap Slope - Horizontal Distance (in feet)</b>	
(if applicable)	6
<b>Rip-Rap Slope - Vertical Height (in feet)</b>	
(if applicable)	2-3
<b>Type of Material</b>	
<b>Dredged Volume (in cubic feet)</b>	
<b>Filled Volume (in cubic feet)</b>	
3) Other Type of Structure	Other
explain	FDOT Mitered End Section (MES) at storm water discharge
<b>B. Dredging / Excavation</b>	Maintenance
<b>1) Dimensions of Areas to be Dredged / Excavated</b>	
<b>Length (in feet)</b>	
(required)	50

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<b>Width (in feet)</b>	
(required)	10
<b>Total Area (in square feet)</b>	
(required)	500
<b>Depth - Existing</b>	
(required)	0
<b>Depth - Proposed</b>	
(required)	3
<b>Volume - Above OHW/MHW</b>	
(required)	5 CY
<b>Volume - Below OHW/MHW</b>	
(required)	31 CY
<b>Volume - Total</b>	
(required)	36 CY
<b>Area - Above OHW/MHW</b>	
(required)	135 SF
<b>Area - Below OHW/MHW</b>	
(required)	373 SF
<b>Area - Total</b>	
(required)	508 SF
<b>2) Type of Material</b>	Removing muck and unsuitable materials
<b>3) Storage of Material</b>	On-site Storage
<b>Please Check</b>	I have filled out and attached all required information listed on the Dredge Project Checklist applicable to this project.
<b>C. Filling</b>	Check if Filling
<b>1) Volume</b>	
<b>Volume - Above OHW/MHW</b>	
(required)	62

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WETLANDS**

<b>Volume - Below OHW/MHW</b>	
(required)	41
<b>Volume - Total (in cubic yards)</b>	
(required)	103
<b>2) Area</b>	
<b>Area - Above OHW/MHW</b>	
(required)	650
<b>Area - Below OHW/MHW</b>	
(required)	550
<b>Area - Total (in square feet)</b>	
(required)	650 (area above MHW and below MHW are within same footprint area, areas are not different locations)
<b>3) Containment</b>	Other
<b>If Other:</b>	Geocell fabric and Rip Rap around MES and filled ditch
<b>4) Type of Material</b>	Fill material will be site material or suitable Select Fill - Sand per 62-701.730(15)
<b>5) Source of Material</b>	Off-site
<b>If Off-site:</b>	Fill to be trucked in if required to fill washed out ditch and roadway
<b>To Begin On:</b>	05/01/2022
<b>To Be Completed By:</b>	08/31/2022
<b>Enter any additional remarks for the project.</b>	This project includes the rehabilitation of an existing City of Tampa Wastewater Lift Station and associated stormwater improvements along W. Virginia Avenue. This project is located within the Right-of-Way of W. Virginia Avenue at the west end along the Hillsborough River.
<b>Public Interest Comment Box:</b>	The improvements of the subject project provide benefit to the public by way of improving public health, safety, welfare along with improved water quality. The rehabilitation of the City of Tampa Lift Station will raise the lift station top deck above the mean high water level of the Hillsborough River at the project location preventing flooding, while also upgrading the wet well structure. Along with the improvements ditch erosion and stormwater

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WETLANDS**

conveyance will be addressed repaired with the installation of and FDOT type Mitered End Section (MES). These additional stormwater improvements in conjunction with the lift station rehabilitation will provide benefit to the river by reducing any potential impacts from the wastewater and stormwater systems at this location.

<b>1st Adjacent Property Owner Name(s)</b>	Douglas Rodriguez
<b>Mailing Address</b>	1115 W. Virginia Avenue
<b>City</b>	Tampa
<b>State</b>	FL
<b>Zip Code</b>	33603
<b>2nd Adjacent Owner</b>	Donald Burkett
<b>Mailing Address</b>	1108 W. Virginia Avenue
<b>City</b>	Tampa
<b>State</b>	FL
<b>Zip Code</b>	33603
<b>OWNER / APPLICANT ACKNOWLEDGEMENT</b>	I am an agent filling out the application on behalf of the owner.
<b>Please download, complete and sign the Owner's Authorization Form. Then upload the signed authorization document here:</b>	<a href="#">OwnerApplicantGeneralAutho_Signed.pdf (203 KB)</a>
<b>Project Drawings uploads: ( Site Plan, Plan Review, Profile)</b>	<a href="#">EPC_Set_Virginia_Ave_Set_2.23.2022.pdf (7.69 MB)</a>

**RECEIVED**

**MAR 11 2022**

**EPC OF H.C.  
WETLANDS**

This email was sent to Hager@epchc.org as a result of a form being completed.  
[Click here](#) to report unwanted email.







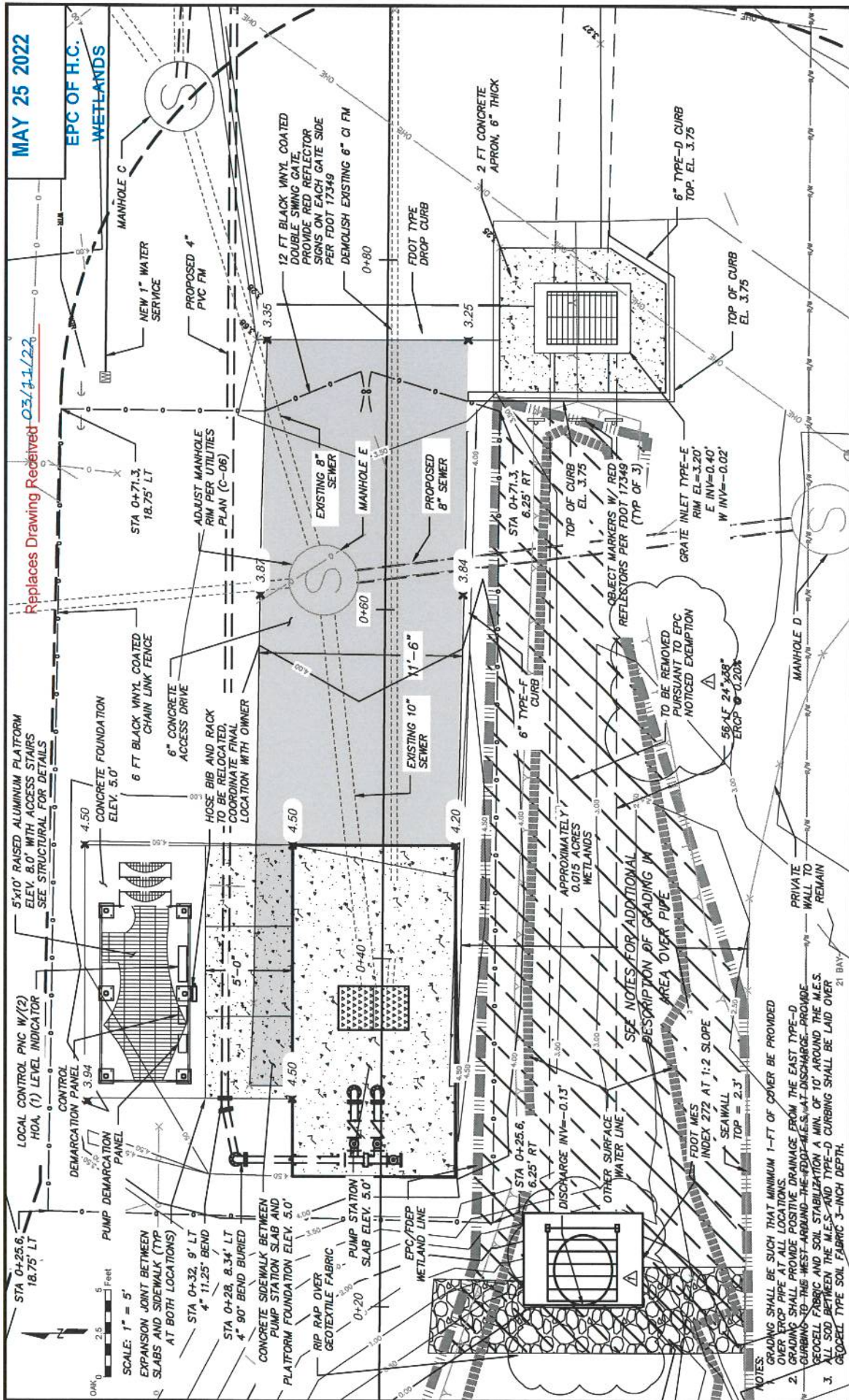


REVISED

RECEIVED

MAY 25 2022

Replaces Drawing Received 03/11/22



<b>APPROVED BY:</b> CHARLES M. ROKOLA, P.E. <small>301 EAST BAYVIEW AVENUE, SUITE 87          TAMPA, FL 33604</small>		<b>DESIGN:</b> C.M. <b>DATE:</b> 05/22		<b>CITY OF TAMPA</b> Wastewater Department Stormwater Engineering Division	<b>SHEET</b> <b>C-08</b> 12 OF 83
<b>REVISIONS:</b>		<b>DATE:</b> 5/23/22			
<b>PER HCEPC COMMENTS</b>		<b>NO.:</b> 1		<b>DATE:</b> 5/23/22	
<b>DATE:</b> 5/23/22		<b>NO.:</b> 2		<b>DATE:</b> 5/23/22	
<b>DATE:</b> 5/23/22		<b>NO.:</b> 3		<b>DATE:</b> 5/23/22	

**PUMP STATION SITE CONSTRUCTION AND GRADING PLAN**

**CITY OF TAMPA**  
 Wastewater Department  
 Stormwater Engineering Division

**DESIGN:** C.M.  
**DATE:** 05/22

**NO.:** 1  
**DATE:** 5/23/22

**NO.:** 2  
**DATE:** 5/23/22

**NO.:** 3  
**DATE:** 5/23/22

**PER HCEPC COMMENTS**

**APPROVED BY:**  
 CHARLES M. ROKOLA, P.E.  
301 EAST BAYVIEW AVENUE, SUITE 87  
 TAMPA, FL 33604

**DESIGN:** C.M.  
**DATE:** 05/22

**CITY OF TAMPA**  
 Wastewater Department  
 Stormwater Engineering Division

**SHEET**  
**C-08**  
 12 OF 83

#74408



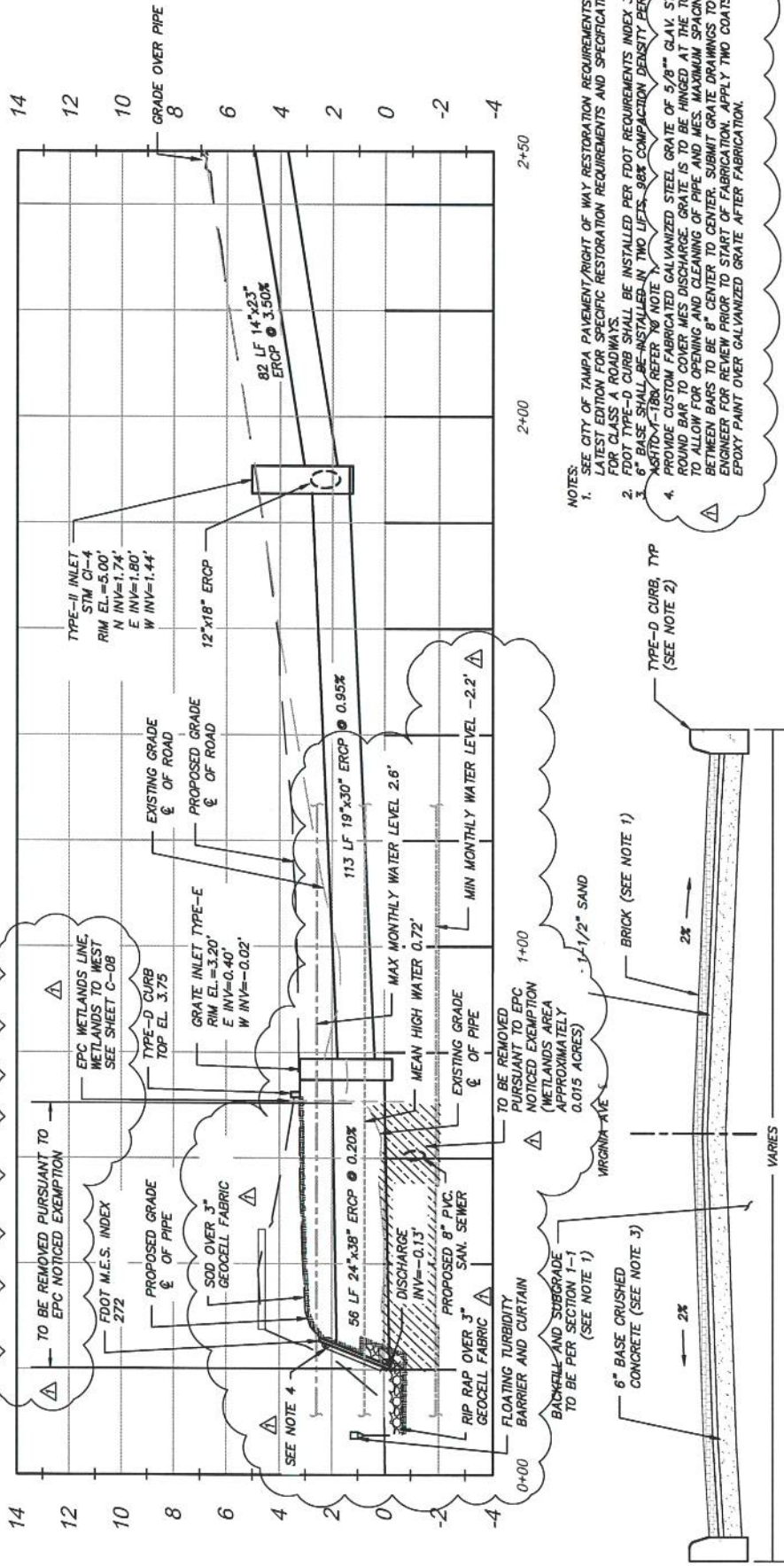
RECEIVED

MAY 25 2022

REVISED

EPC OF H.C. WETLANDS

Replaces Drawing Received 03/11/22



TYPICAL BRICK ROADWAY CROSS SECTION DETAIL

SCALE: N.T.S.



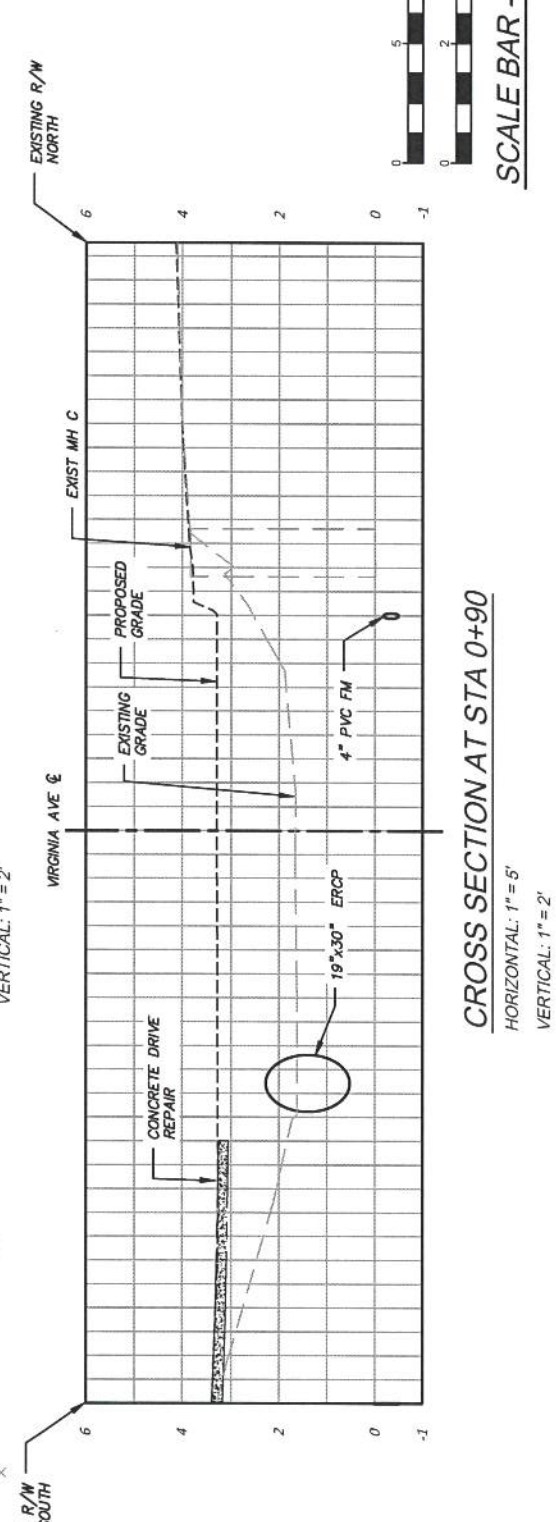
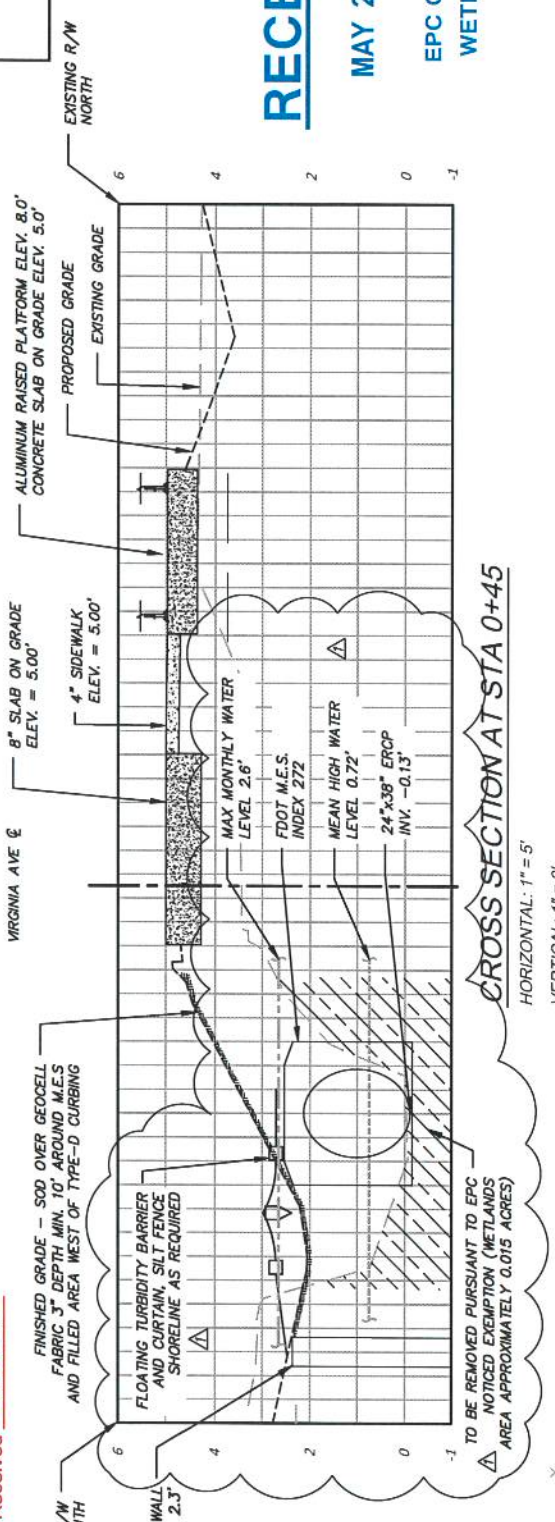
- NOTES:
- SEE CITY OF TAMPA PAVEMENT/RIGHT OF WAY RESTORATION REQUIREMENTS AND SPECIFICATIONS LATEST EDITION FOR SPECIFIC RESTORATION REQUIREMENTS AND SPECIFICATIONS FOR CLASS A ROADWAYS.
  - FDOT TYPE-D CURB SHALL BE INSTALLED PER FDOT REQUIREMENTS INDEX 300.
  - 6" BASE SHALL BE INSTALLED IN TWO LIFTS, 98% COMPACTION DENSITY PER AASHTO-M-T801 REFER TO NOTE 4.
  - PROVIDE CUSTOM FABRICATED GALVANIZED STEEL GRATE OF 5/8" GALV. STEEL ROUND BAR TO COVER MES DISCHARGE. GRATE IS TO BE HINGED AT THE TOP TO ALLOW FOR OPENING AND CLEANING OF PIPE AND MES. MAXIMUM SPACING BETWEEN BARS TO BE 8" CENTER TO CENTER. SUBMIT GRATE DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO START OF FABRICATION. APPLY TWO COATS OF EPOXY PAINT OVER GALVANIZED GRATE AFTER FABRICATION.

APPROVED BY: CHARLES M. POKALA, P.E. P.E. NO. (P147898)	No. 3 DATE	REVISIONS	DES: C.M. DRW: I.N. CKD: M.F. DATE: 05/22	CITY OF TAMPA Wastewater Department Stormwater Engineering Division	SHEET <b>C-14</b> 18 of 83
	DATE 5/23/22	PER HCEPC COMMENTS		<b>ROAD AND DITCH STRUCTURES AND          CROSS-SECTIONS - 1</b>	

#74408

# REVISED

Replaces Drawing Received 03/11/22



SCALE BAR - 11"x17"

**RECEIVED**

MAY 25 2022

EPC OF H.C.  
 WETLANDS

APPROVED BY: CHARLES M. FOXWALA, P.E. P.E. NO. (PLA37996)	No. DATE REVISIONS		DES: C.M. DRN: I.N. CKD: M.P. DATE: 05/22	CITY of TAMPA Wastewater Department Stormwater Engineering Division	ROAD AND DITCH STRUCTURES AND CROSS SECTIONS - 4	SHEET C-17 21 of 83
	3 2 1	DATE DATE 5/23/22				

#74408





**Hillsborough River  
Interlocal Planning Board  
& Technical Advisory Council**

**Agenda Item 7. C. Minor Work Permit No. 74677, (EPC)**

**Attachments:**

1. Minor Work Permit Application



**Plan Hillsborough**  
[planhillsborough.org](http://planhillsborough.org)  
[planner@plancom.org](mailto:planner@plancom.org)  
813 - 272 - 5940  
601 E Kennedy Blvd  
18<sup>th</sup> floor  
Tampa, FL, 33602



Janet D. Lorton, Executive Director

# PERMIT

**PERMIT NUMBER:** 74677

**PERMITTEE:** PAUL AND JANET FERLITA  
315 S. RIVERHILLS DRIVE  
TAMPA, FL 33617

**AGENT:** BAYSIDE CONCRETE AND CONSTRUCTION  
SCOTT MITTIES  
22360 SOUTHSORE DRIVE  
LAND O LAKES, FL 34639

**PROJECT DESCRIPTION:** CONSTRUCTION OF A DOCK WITH DAVITS  
PURSUANT TO PERMIT EXHIBITS AND  
CONDITIONS

**PROJECT LOCATION:** 315 S. RIVERHILLS DRIVE, TEMPLE TERRACE, FL  
33617/ HILLSBOROUGH RIVER

**DATE OF ISSUE:** JULY 12, 2022  
**EXPIRATION DATE:** JULY 12, 2025

**THIS PERMIT CARD SHALL BE  
PROMINENTLY DISPLAYED AT THE  
WORKSITE. FOR QUESTIONS CALL THE  
WETLANDS DIVISION (813) 627-2600.**

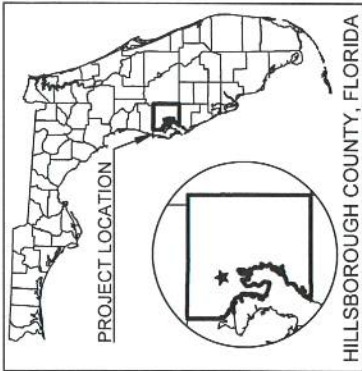
**REVISED**

Replaces Drawings Received: JUN 1, 2022

# 315 S RIVERHILLS DR.

## DOCK PLAN

TEMPLE TERRACE, HILLSBOROUGH COUNTY, FLORIDA  
TOWNSHIP: 28S, RANGE: 19E, SECTION 27



HILLSBOROUGH COUNTY, FLORIDA



PROJECT LOCATION  
HILLSBOROUGH RIVER

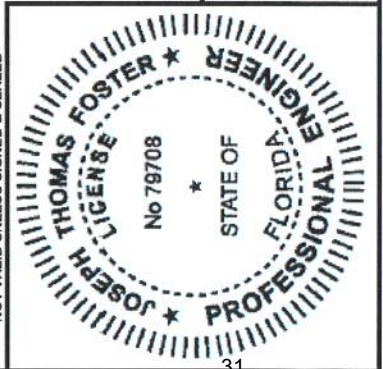
PROJECT LOCATION  
315 S RIVERHILLS DRIVE,  
TEMPLE TERRACE, FL 33617

SCALE: 1" = 300'

**NOTES:**

- COORDINATES SHOWN ARE IN FEET BASED ON THE NORTH AMERICAN DATUM OF 1983, WEST ZONE (NAD83)
- ELEVATIONS SHOWN ARE IN FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- THE VERTICAL DATUMS ESTABLISHED BY DEP FOR THIS AREA ARE: MEAN HIGH WATER ELEVATION & MEAN LOW WATER ELEVATION AS DETAILED IN THE TIDE INFORMATION CHART.
- NOTE: THESE PERMIT DRAWINGS SHALL NOT BE CONSIDERED VALID FOR CONSTRUCTION PURPOSES UNLESS SIGNED AND SEALED BY: JOSEPH T. FOSTER, P.E. FL LIC# 79708

NOT VALID UNLESS SIGNED & SEALED



Joseph Foster  
Digitally signed  
by Joseph Foster  
Date: 2022.06.01  
15:00:13 -04'00'

RAI - 5/27/22



**FOSTER CONSULTING**  
FL PROFESSIONAL ENGINEER NO. 79708  
DE LIC. # 18618 · NJ LIC. # 24GE05181200 · TX LIC. # 133648  
FL CERTIFICATE OF AUTHORIZATION NO. 32050  
[WWW.JFOSTERCONSULTING.COM](http://WWW.JFOSTERCONSULTING.COM)  
P: (727) 821-1949  
P.O. BOX 7370, ST. PETERSBURG, FL 33734

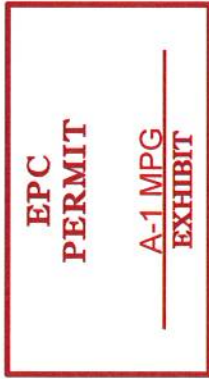
315 S RIVERHILLS DRIVE  
TEMPLE TERRACE, FL

**COVER SHEET**

**RECEIVED**

APR 14 2022  
EPC of H.C.  
WETLANDS

SHEET INDEX	
PROJECT INFORMATION	
01	COVER SHEET
02	SITE PLAN
03	DOCK PLAN
04	ELEVATION & DETAILS



**TIDE INFORMATION**

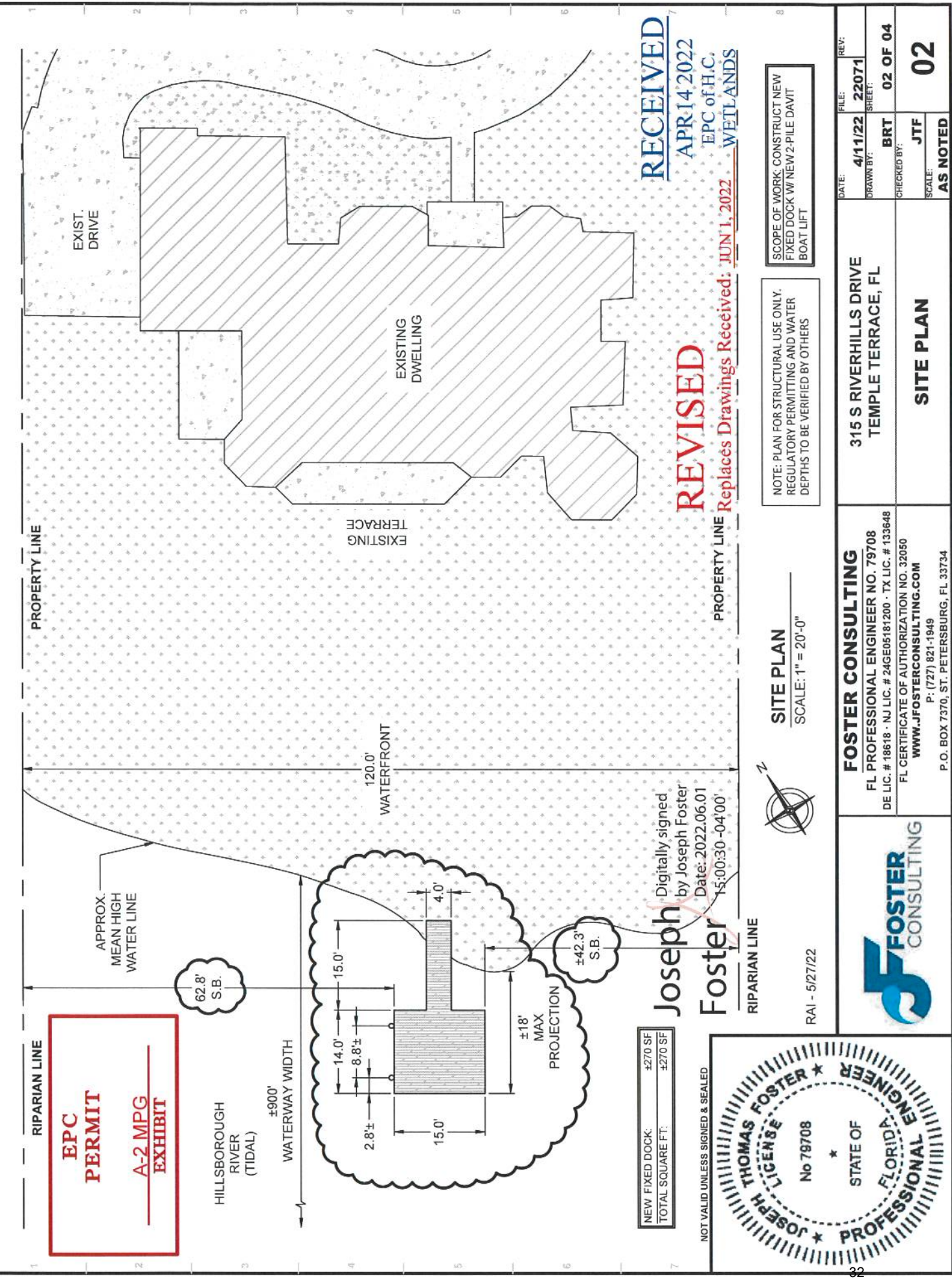


**NOTE:**  
1. HILLSBOROUGH RIVER O.H.W./O.L.W. INFORMATION OBTAINED FROM USGS WEBSITE  
<https://waterdata.usgs.gov/monitoring-location/02304500/#parameterCode=00065&period=P7D>

DATE:	4/11/22	FILE:	22071
DRAWN BY:	BRT	SHEET:	01 OF 04
CHECKED BY:	JTF	SCALE:	AS NOTED
		01	



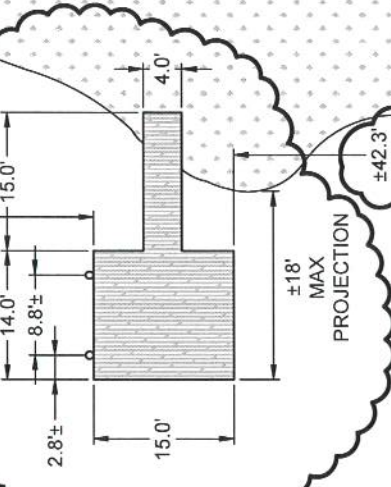
1 2 3 4 5 6 7 8



**EPC PERMIT**  
**A-2 MPG EXHIBIT**

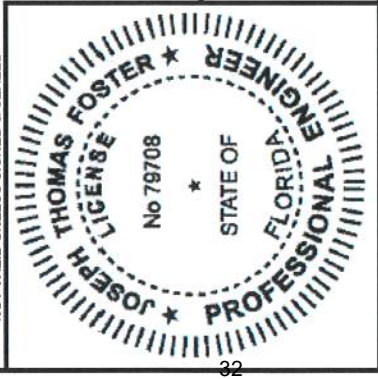
HILLSBOROUGH RIVER (TIDAL)

±900' WATERWAY WIDTH



NEW FIXED DOCK: ±270 SF  
TOTAL SQUARE FT: ±270 SF

NOT VALID UNLESS SIGNED & SEALED



Joseph Foster  
Digitally signed by Joseph Foster  
Date: 2022.06.01 15:00:30 -04'00'

RAI - 5/27/22



**SITE PLAN**  
SCALE: 1" = 20'-0"

NOTE: PLAN FOR STRUCTURAL USE ONLY. REGULATORY PERMITTING AND WATER DEPTHS TO BE VERIFIED BY OTHERS

SCOPE OF WORK: CONSTRUCT NEW FIXED DOCK W/ NEW 2-PILE DAVIT BOAT LIFT

**RECEIVED**  
**APR 14 2022**  
EPC of H.C.  
**WETLANDS**

**REVISED**  
Replaces Drawings Received: **JUN 1, 2022**

DATE: 4/11/22	FILE: 22071	DATE: 4/11/22	FILE: 22071
DRAWN BY: BRT	SHEET: 02 OF 04	DRAWN BY: BRT	SHEET: 02 OF 04
CHECKED BY: JTF	SCALE: AS NOTED	CHECKED BY: JTF	SCALE: AS NOTED
315 S RIVERHILLS DRIVE TEMPLE TERRACE, FL		<b>SITE PLAN</b>	
<b>FOSTER CONSULTING</b> FL PROFESSIONAL ENGINEER NO. 79708 DE LIC. # 18618 - NJ LIC. # 24GE05181200 - TX LIC. # 133648 FL CERTIFICATE OF AUTHORIZATION NO. 32050 <a href="http://WWW.FOSTERCONSULTING.COM">WWW.FOSTERCONSULTING.COM</a> P. (727) 821-1949 P.O. BOX 7370, ST. PETERSBURG, FL 33734		<b>FOSTER CONSULTING</b>	

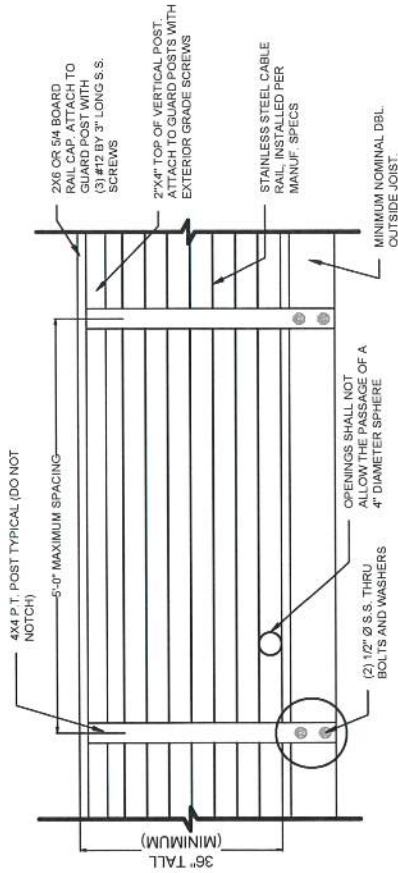


RECEIVED

APR 14 2022  
EPC of H.C.  
WETLANDS

REVISED

Replaces Drawings Received: JUN 1, 2022



**GUARDRAIL DETAIL**

SCALE: 3/8" = 1'-0"

**EPC PERMIT**  
**A-4 MPG**  
**EXHIBIT**

NEW DAVIT PILE, HEIGHT PER MANUF. SPECS

NEW THRU BOLT @ OUTSIDE STRINGER

NEW THRU BOLTS @ PILE CAP

NEW PT WOOD PILE CAP

O.H.W. = +22.75'

O.L.W. = +20.41'

O.L.W -2.0' = +18.41'

NEW GUARDRAIL SEE DETAIL

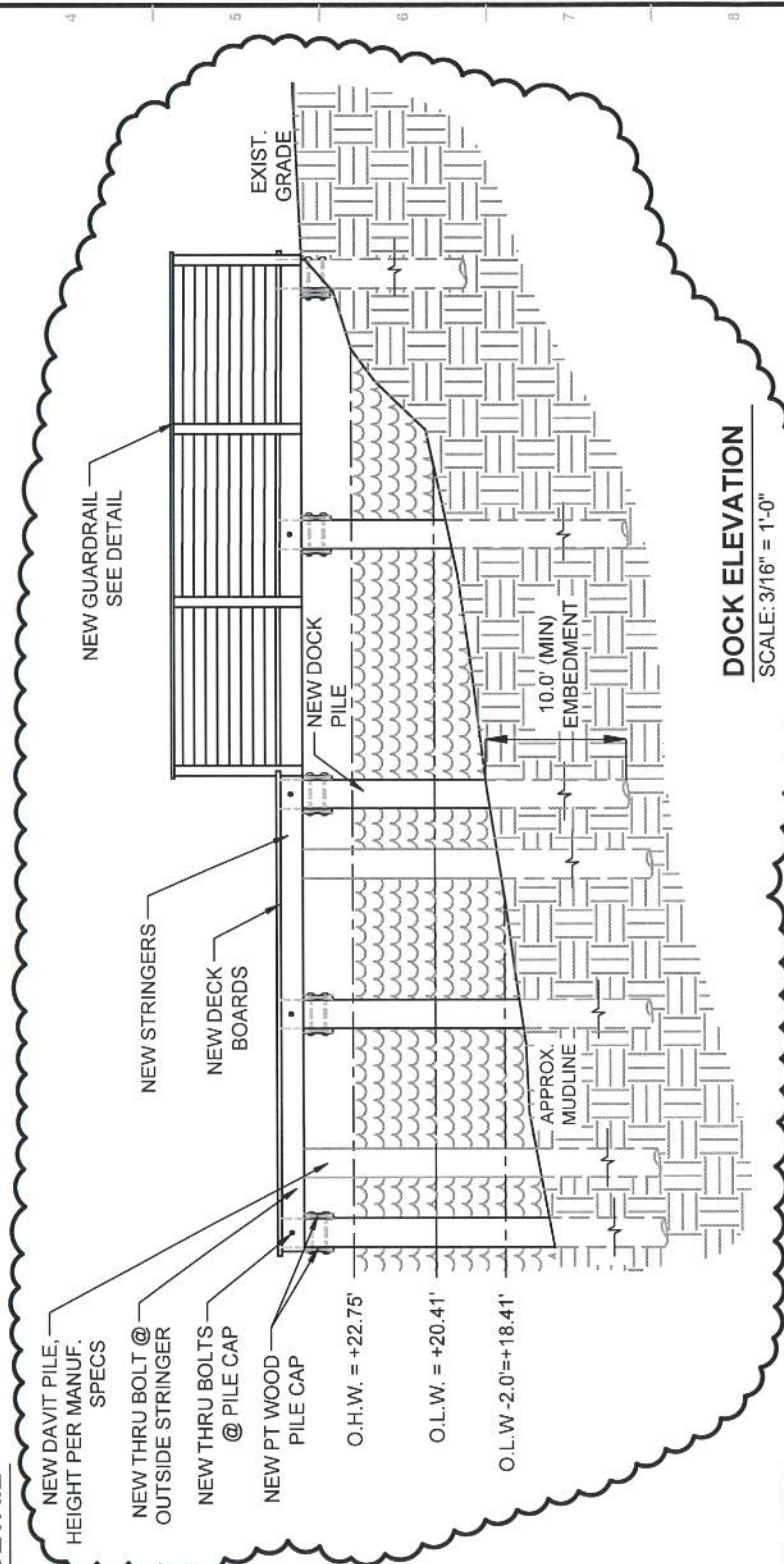
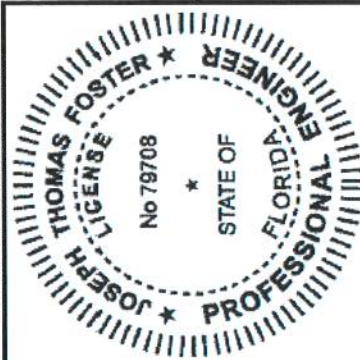
NEW STRINGERS  
NEW DECK BOARDS

NEW DOCK PILE

EXIST. GRADE

Joseph Foster  
 Digitally signed by Joseph Foster  
 Date: 2022.06.01 15:01:05 -04'00'

NOT VALID UNLESS SIGNED & SEALED



**DOCK ELEVATION**  
SCALE: 3/16" = 1'-0"

RAI - 5/27/22

**FOSTER CONSULTING**  
 FL PROFESSIONAL ENGINEER NO. 79708  
 DE LIC. # 18618 - NJ LIC. # 24GE05181200 - TX LIC. # 133648  
 FL CERTIFICATE OF AUTHORIZATION NO. 32050  
[WWW.JFOSTERCONSULTING.COM](http://WWW.JFOSTERCONSULTING.COM)  
 P: (727) 821-1949  
 P.O. BOX 7370, ST. PETERSBURG, FL 33734

315 S RIVERHILLS DRIVE  
TEMPLE TERRACE, FL

**ELEVATION & DETAILS**

DATE:	4/11/22	REV:	
DRAWN BY:	BRT	FILE:	22071
CHECKED BY:	JTF	SHEET:	04 OF 04
SCALE:	AS NOTED		<b>04</b>



Changes in red made by EPC staff  
MPG 6/15/22

**From:** [noreply@fs2.formsite.com](mailto:noreply@fs2.formsite.com) on behalf of [epcinfo@epchc.org](mailto:epcinfo@epchc.org)  
**To:** [Hager, Margaret](#)  
**Subject:** MWP09 - Minor Work Permit Application Result #13296211  
**Date:** Thursday, April 14, 2022 4:50:28 PM

---

<b>NEW</b>	\$650 Review Fee
<b>Fee Amount:</b>	650.00
<b>Item #211</b>	New dock with wood piling davit boat lift
<b>Owner First Name</b>	Paul
<b>Owner Last Name</b>	Ferlita
<b>Mailing Address</b>	315 S Riverhills Dr
<b>City</b>	<b>Tampa</b>
<b>State</b>	Fl
<b>Zip Code</b>	33617
<b>Owner Telephone Number(s)</b>	813-240-9454
<b>Email Address</b>	<a href="mailto:scott@bayside-concrete.com">scott@bayside-concrete.com</a>
<b>Are you using an agent?</b>	Yes
<b>Agent First Name</b>	Scott
<b>Agent Last Name</b>	Mitties
<b>Company Name (if applicable)</b>	Bayside Concrete and Construction
<b>Street Address</b>	22360 southshore dr
<b>City</b>	land o lakes
<b>State</b>	FL
<b>Zip Code</b>	34639
<b>Telephone Number(s)</b>	8132409454
<b>Email Address</b>	<a href="mailto:scott@bayside-concrete.com">scott@bayside-concrete.com</a>
<b>Site Street Address</b>	315 S Riverhills Dr.
<b>City</b>	Temple Terrace

State	fl
Zip Code	33617
Folio Numbers(s) of Site	202788-6026
Parcel ID:	
Section	
Required	27
Township	
Required	28S
Range	
Required	19E
Name of Water Body / Waterway at Proposed Project	Hillsborough River
Proposed:	Private Single-Dwelling
Owner	Tampa Port Authority
Item #217	Leased Port Property or Port Easement (check box if applicable)
Check to confirm that your project is not located in critical habitat for smalltooth sawfish or gulf sturgeon, as applicable.	Confirmed
Check to confirm that if your project is located in waters accessible to manatees, the project shall not affect or will not directly or indirectly likely adversely affect manatees, as applicable.	Confirmed
A. Structures	New Work
1) Dock, Observation Deck, Pier, or Elevated Boardwalk (check applicable boxes)	Dock
Item #232	
Length of Shoreline (in linear feet)	
(if applicable)	134
Number of Proposed Docks	
(if applicable)	1



Changes in red made by EPC staff  
MPG 6/15/22

<b>Number of Boat Slips / Lifts</b>	
(if applicable)	1
<b>Length from OHW/MHW to Waterward Edge of Structure (in feet)</b>	
(if applicable)	26
<b>Width of Structure (in feet)</b>	
(if applicable)	15
<b>Mooring Water Depth at O/MLW (in feet)</b>	
(if applicable)	2
<b>Existing Structure Area (in square feet)</b>	
(if applicable)	0
<b>Proposed Structure Area (in square feet)</b>	
(if applicable)	315.6
<b>Overall Area of Facility (in square feet)</b>	
(if applicable)	315.6
<b>To Begin On:</b>	06/15/2022
<b>To Be Completed By:</b>	08/11/2022
<b>Public Interest Comment Box:</b>	New Single Family Dock.
<b>1st Adjacent Property Owner Name(s)</b>	Mark Szabo
<b>Mailing Address</b>	313 S Riverhills Dr
<b>City</b>	Temple Terrace
<b>State</b>	fl
<b>Zip Code</b>	33617
<b>2nd Adjacent Owner</b>	City Of temple terrace
<b>Mailing Address</b>	PO Box 16930
<b>City</b>	Tampa
<b>State</b>	fl
<b>Zip Code</b>	33687
<b>OWNER / APPLICANT ACKNOWLEDGEMENT</b>	I am an agent filling out





**Hillsborough River  
Interlocal Planning Board  
& Technical Advisory Council**

**Agenda Item 7. D. Minor Work Permit No. 74820, (EPC)**

**Attachments:**

1. Minor Work Permit Application



**Plan Hillsborough**  
[planhillsborough.org](http://planhillsborough.org)  
[planner@plancom.org](mailto:planner@plancom.org)  
813 - 272 - 5940  
601 E Kennedy Blvd  
18<sup>th</sup> floor  
Tampa, FL, 33602

**From:** [noreply@fs2.formsite.com](mailto:noreply@fs2.formsite.com) on behalf of [Formsite](#)  
**To:** [Hager, Margaret](#)  
**Subject:** MAIW20 - Misc. Activities in Wetlands Result #13351105  
**Date:** Friday, May 6, 2022 4:59:26 PM

---

A new submission has been entered

### Order Summary

Item Description	Quantity	Amount
Dock, Boardwalk, Riprap, Swim Access, <b>other activities</b>	1	\$380.00
Order Total		\$380.00

<b>Select Applicant Type:</b>	Individual
<b>First Name</b>	Kerry & Barbara
<b>Last Name</b>	Toole
<b>Street Address</b>	1507 S. Georgia Ave
<b>City</b>	Tampa
<b>State</b>	FL
<b>Zip Code</b>	33629
<b>Telephone</b>	813-843-8885
<b>Email Address</b>	<a href="mailto:ktoole@gmail.com">ktoole@gmail.com</a>
<b>Please attach property interest documentation</b>	<a href="#">Toole_Kerry__Barbara_Signature_Page.pdf (560 KB)</a>
<b>Item #132</b>	Check if same as Applicant listed above
<b>Are you using an Authorized Representative?</b>	Yes
<b>Item #143</b>	I am a representative filling out this notice on behalf of the Applicant and I acknowledge that the information contained herein is true, correct and accurate.
<b>First Name</b>	Kevin
<b>Last Name</b>	McNamara
<b>Business Organization (if</b>	Bay Dock Enterprise

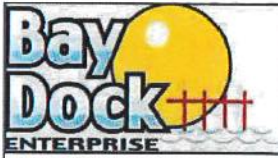
<b>applicable)</b>	
<b>Street Address</b>	9002 W Hillsborough Ave
<b>City</b>	TAMPA
<b>State</b>	FL
<b>Zip Code</b>	33615
<b>Telephone</b>	8138551672
<b>Email Address</b>	<a href="mailto:chantel@baydock.com">chantel@baydock.com</a>
<b>Street Address</b>	Riverhills Drive Lot 24
<b>City</b>	Tampa
<b>State</b>	FL
<b>Zip Code</b>	33617
<b>Folio Number(s) of Site (if more than one Folio Number, separate by comma)</b>	037263-0000
<b>Section/Township/Range (STR) of Site:</b>	11-28-19
<b>Is the proposed project:</b>	New Work
<b>Proposed Activity:</b>	Dock, Boardwalk, Riprap, Swim Access, other activities
<b>Type of Work Proposed (Check all that apply):</b>	<ul style="list-style-type: none"> <li>• Dock or Observation Deck</li> <li>• Boat Lift/ Boat Slip</li> </ul>
<b>Is the proposed use:</b>	Private Single Dwelling
<b>Name of Water Body/ Waterway at Site:</b>	Hillsborough River
<b>Begin Date</b>	06/15/2022
<b>End Date</b>	06/29/2022
<b>Is this activity proposed to resolve a violation for the EPC or some other governmental agency?</b>	No
<b>Number of Docks/Decks Platforms</b>	2

<b>Number of Boat Lifts/Slips</b>	2
<b>New Structural Area</b>	557
<b>Overall Area of Facility</b>	557
<b>Plan view / Top view/ Site Plan</b>	<ul style="list-style-type: none"> <li>• <a href="#">Toole_Kerry_Barbara_Riverhills_Drive_Permit-Plan_View_5-6-22.pdf (211 KB)</a></li> <li>• <a href="#">Toole_Kerry_Barbara_Riverhills_Drive_Permit-Site_Plan_5-6-22.pdf (290 KB)</a></li> </ul>
<b>Cross-Sectional/Profile View</b>	<a href="#">Toole_Kerry_Barbara_Riverhills_Drive_Permit-Cross_Section.pdf (210 KB)</a>
<b>OWNER/APPLICANT ACKNOWLEDGEMENT</b>	I am a representative filling out this application on behalf of the Applicant and I acknowledge that the information contained herein is true, correct and accurate.
<b>Print Name</b>	Kevin McNamara
<b>Date (MM-DD-YYYY)</b>	05-06-2022
<b>Business Organization (if applicable)</b>	Bay Dock Enterprise
<b>Title</b>	Owner
<b>Please download and have the owner/applicant sign the Owner/Applicant Authorization Form. Then upload the signed authorization document here:</b>	<a href="#">Toole_Kerry_Barbara_Signature_Page.pdf (560 KB)</a>
<b>Current Total:</b>	0.00

This email was sent to hager@epchc.org as a result of a form being completed.  
[Click here](#) to report unwanted email.







9002 W. Hillsborough Ave.  
Tampa, FL 33615  
Phone: 813-855-1672  
Email: RobinC@baydock.com

**REVISED**

Replaces Drawings Received: JUL 1, 2022

**RECEIVED**

JUL 7 2022

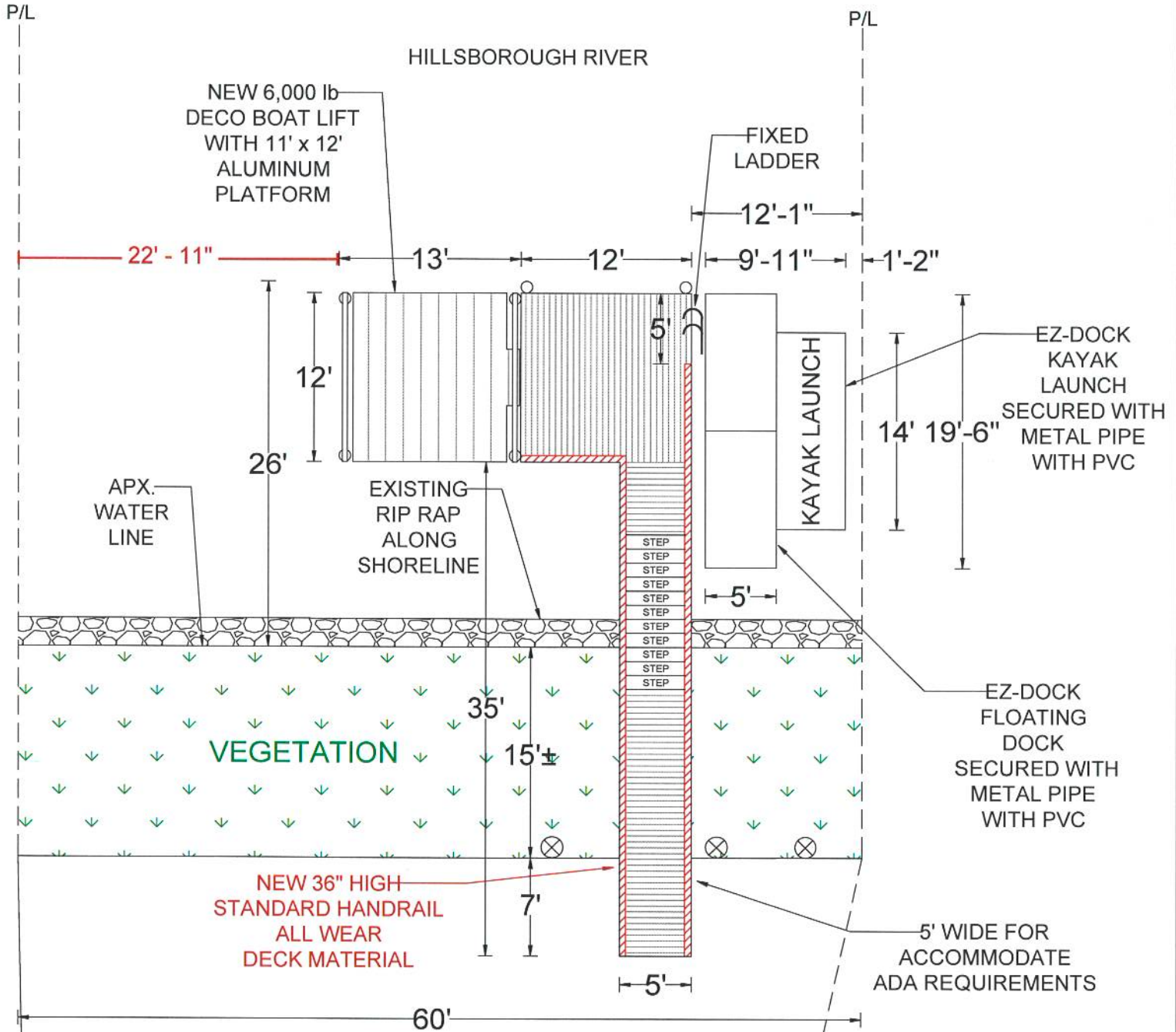
EPC of H.C.  
WETLANDS

DATE: 07-07-22

Kerry & Barbara Toole  
Lot 24 (Riverhills Drive)  
Tampa, FL

SCALE: NTS

Changes in red made by EPC staff  
MPG 7/8/22



Kerry & Barbara Toole  
Lot 24 (Riverhills Drive)  
Tampa, FL 33617



9002 W. Hillsborough Ave.  
Tampa, FL 33615  
Phone: 813-855-1672  
Email: RobinC@baydock.com

Kerry & Barbara Toole  
Lot 24 (Riverhills Drive)  
Tampa, FL 33617

DATE: 6-27-22

SCALE: NTS

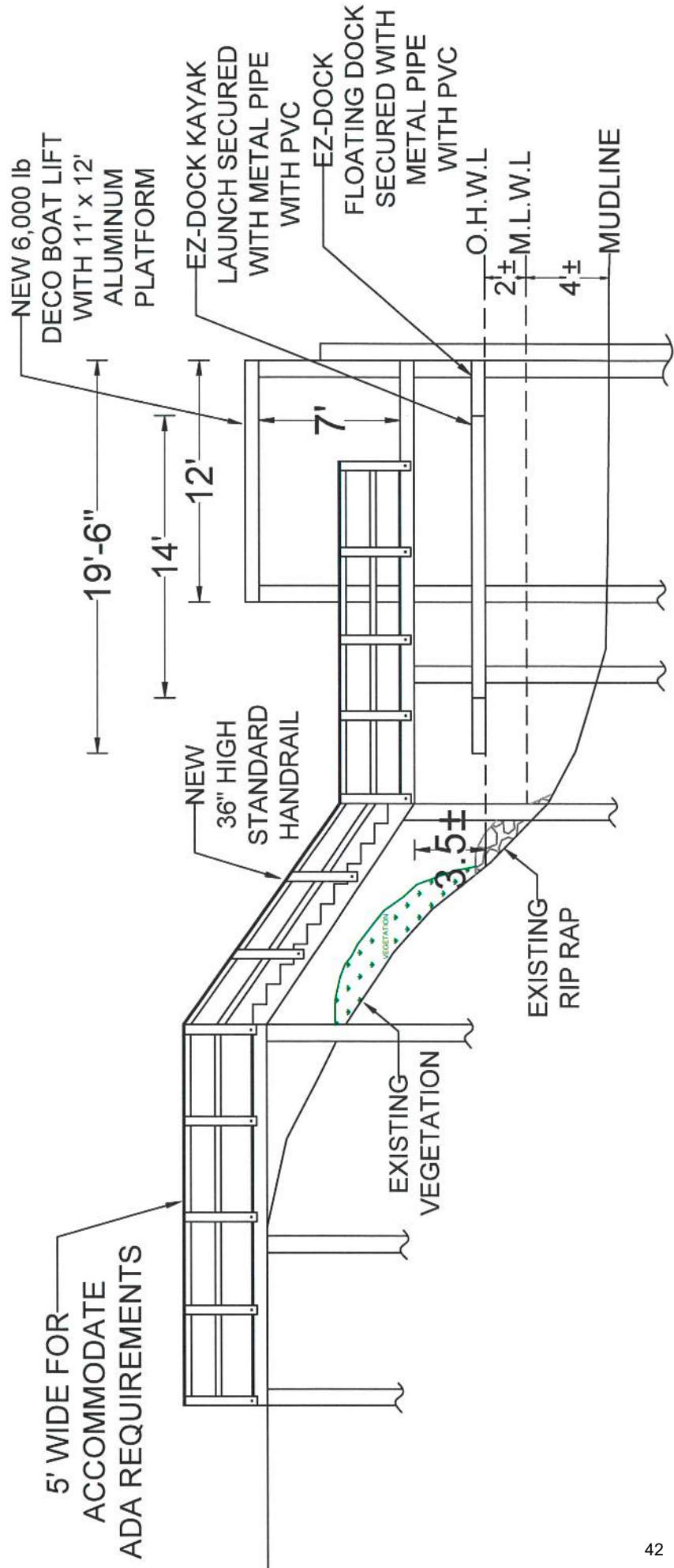
Changes in red made by EPC staff  
MPG 7/8/22

**RECEIVED**

JUL 1 2022  
EPC of H.C.  
WETLANDS

**REVISED**

Replaces Drawings Received: MAY 9, 2022





**Hillsborough River  
Interlocal Planning Board  
& Technical Advisory Council**

**Agenda Item 7. E. Minor Work Permit No. 74990, (EPC)**

**Attachments:**

1. Minor Work Permit Application



**Plan Hillsborough**  
[planhillsborough.org](http://planhillsborough.org)  
[planner@plancom.org](mailto:planner@plancom.org)  
813 - 272 - 5940  
601 E Kennedy Blvd  
18<sup>th</sup> floor  
Tampa, FL, 33602



Janet D. Lorton, Executive Director

# **PERMIT**

**PERMIT NUMBER:** 74990

**PERMITTEE:** MICHAEL FERNANDEZ  
6904 NORTH RIVER BOULEVARD  
TAMPA, FL 33604

**AGENT:** TRIDENT MARINE CONSTRUCTION  
BARRY BISHOP  
5302 INGRAHAM STREET  
TAMPA, FL 33616

**PROJECT DESCRIPTION:** CONSTRUCTION OF A DOCK ADDITION AND A  
NON-COVERED BOATLIFT PURSUANT TO PERMIT  
EXHIBITS AND CONDITIONS

**PROJECT LOCATION:** 6904 NORTH RIVER BOULEVARD, TAMPA, FL 33604 /  
HILLSBOROUGH RIVER

**DATE OF ISSUE:** AUGUST 13, 2022  
**EXPIRATION DATE:** AUGUST 13, 2025

**THIS PERMIT CARD SHALL BE  
PROMINENTLY DISPLAYED AT THE  
WORKSITE. FOR QUESTIONS CALL THE  
WETLANDS DIVISION (813) 627-2600.**



EPC  
PERMIT  
A-1 MPG  
EXHIBIT

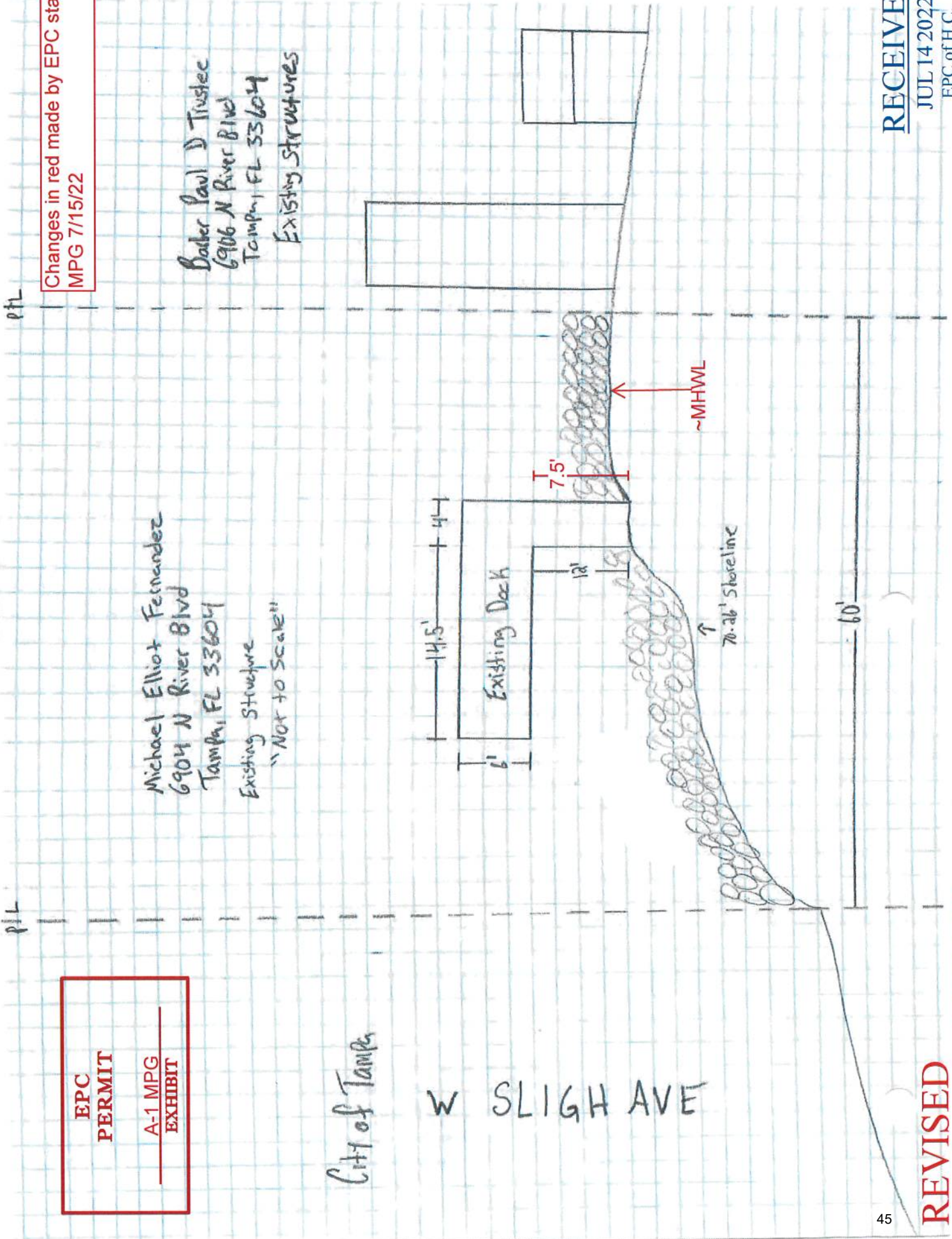
Changes in red made by EPC staff  
MPG 7/15/22

Michael Elliot Fernandez  
6904 N River Blvd  
Tampa, FL 33604  
Existing Structure  
"Not to Scale"

Baker Paul D Trustec  
6906 N River Blvd  
Tampa, FL 33604  
Existing Structures

City of Tampa

W SLIGH AVE



**REVISED**

Replaces Drawings Received: JUN 8, 2022

**RECEIVED**

JUL 14 2022

EPC of H.C.

WETLANDS



EPC  
PERMIT  
A-2 MPG  
EXHIBIT

Michael Elliot Fernandez  
6904 N River Blvd  
Tampa, FL 33604  
Proposed Boatlift  
"Not to Scale"

Changes in red made by EPC staff  
MPG 7/15/22

City  
of  
Tampa

Barber Paul D  
Trustee  
6906 N River Blvd  
Tampa, FL

20.5'  
Setback

6'

12.5'

11'  
Setback

13.5'

Dock Addition

Existing Dock

7.5'

4'

70.26'  
Shoreline

~MHWL

20'

60'

W SLIGHT AVE

REVISED

Replaces Drawings Received: JUN 8, 2022

RECEIVED

JUL 14 2022

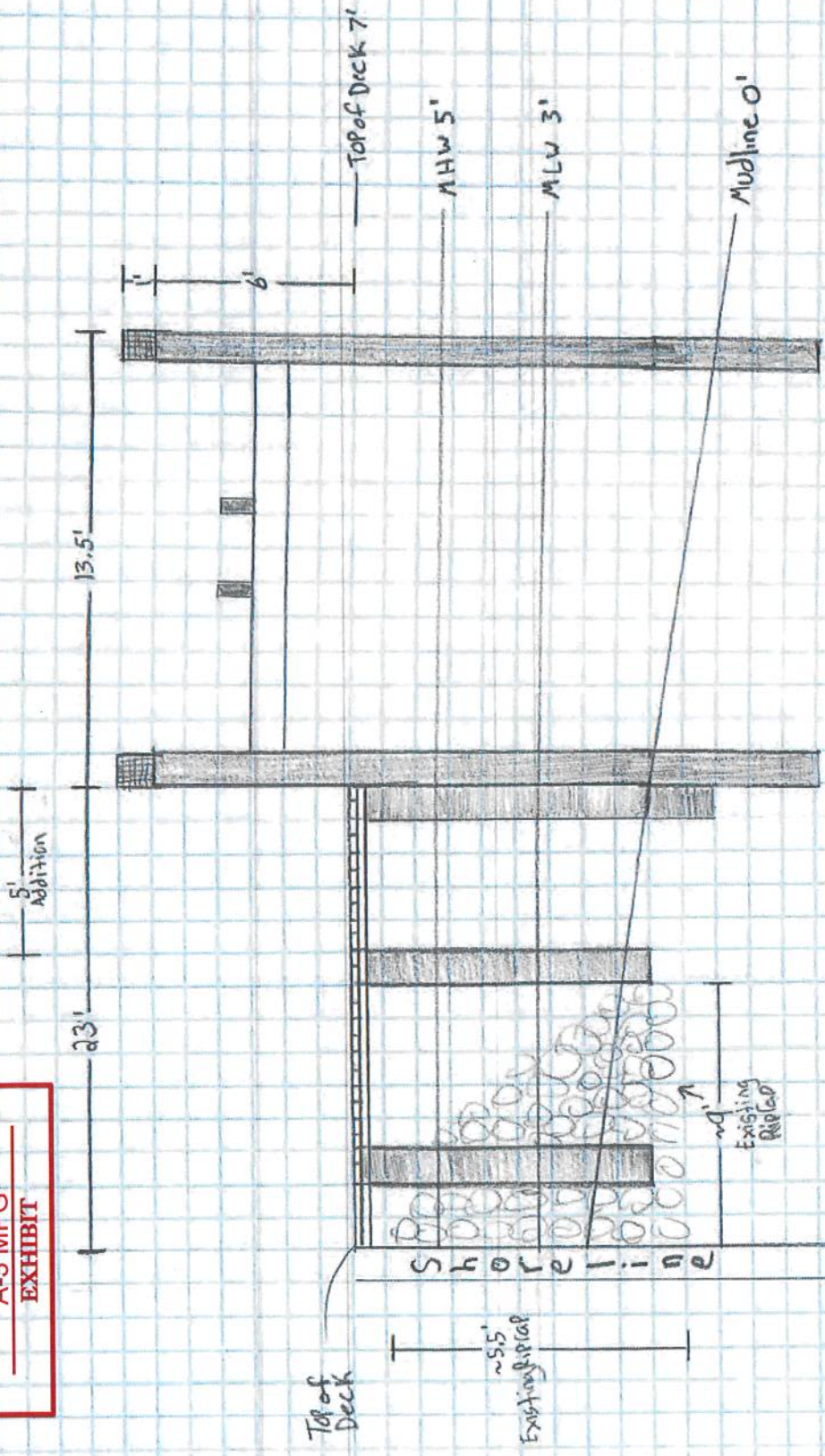
EPC of H.C.

WETLANDS



**EPC  
PERMIT  
A-3 MPG  
EXHIBIT**

NOT TO SCALE



Michael Elliot Fernandez  
6904 N River Blvd  
Tampa, FL 33604  
"Not to Scale"

**RECEIVED**  
JUL 14 2022  
EPC of H.C.  
WETLANDS

**REVISED**

**From:** [noreply@fs2.formsite.com](mailto:noreply@fs2.formsite.com) on behalf of [epcinfo@epchc.org](mailto:epcinfo@epchc.org)  
**To:** [Hager, Margaret](#)  
**Subject:** MWP09 - Minor Work Permit Application Result #13427445  
**Date:** Wednesday, June 8, 2022 3:34:12 PM

<b>Fee Amount:</b>	0.00
<b>Item #211</b>	Install a new 10,000lb boatlift in front of existing dock. <b>Dock addition.</b>
<b>Owner First Name</b>	Michael
<b>Owner Last Name</b>	Fernandez
<b>Mailing Address</b>	6904 North River Blvd
<b>City</b>	Tampa
<b>State</b>	FL
<b>Zip Code</b>	33604
<b>Owner Telephone Number(s)</b>	813-842-7400
<b>Email Address</b>	<a href="mailto:michael@abcautostar.com">michael@abcautostar.com</a>
<b>Are you using an agent?</b>	Yes
<b>Agent First Name</b>	Barry
<b>Agent Last Name</b>	Bishop
<b>Company Name (if applicable)</b>	Trident Marine Construction
<b>Street Address</b>	5302 Ingraham Street
<b>City</b>	Tampa
<b>State</b>	FL
<b>Zip Code</b>	33616
<b>Telephone Number(s)</b>	8137143930
<b>Email Address</b>	<a href="mailto:barry@tridenth2o.com">barry@tridenth2o.com</a>
<b>Site Street Address</b>	6904 North River Blvd
<b>City</b>	Tampa
<b>State</b>	FL
<b>Zip Code</b>	33604



<b>Folio Numbers(s) of Site</b>	161952-0500
<b>Parcel ID:</b>	
<b>Section</b>	
<b>Required</b>	25
<b>Township</b>	
<b>Required</b>	28
<b>Range</b>	
<b>Required</b>	18
<b>Name of Water Body / Waterway at Proposed Project</b>	Hillsborough River
<b>Proposed:</b>	Private Single-Dwelling
<b>Owner</b>	City of Tampa
<b>Check to confirm that your project is not located in critical habitat for smalltooth sawfish or gulf sturgeon, as applicable.</b>	Confirmed
<b>Check to confirm that if your project is located in waters accessible to manatees, the project shall not affect or will not directly or indirectly likely adversely affect manatees, as applicable.</b>	Confirmed
<b>A. Structures</b>	New Work
<b>3) Other Type of Structure</b>	Other
<b>explain</b>	Boatlift
<b>To Begin On:</b>	06/09/2022
<b>To Be Completed By:</b>	06/10/2022
<b>Public Interest Comment Box:</b>	Minimal to no impact to local flora and fauna.
<b>1st Adjacent Property Owner Name(s)</b>	City of Tampa
<b>Mailing Address</b>	N/A
<b>City</b>	Tampa
<b>State</b>	FL
<b>Zip Code</b>	33604



**Hillsborough River  
Interlocal Planning Board  
& Technical Advisory Council**

**Agenda Item 7. F. Minor Work Permit No. 21-064, (TPA)**

**Attachments:**

1. Minor Work Permit Application



**Plan Hillsborough**  
[planhillsborough.org](http://planhillsborough.org)  
[planner@plancom.org](mailto:planner@plancom.org)  
813 - 272 - 5940  
601 E Kennedy Blvd  
18<sup>th</sup> floor  
Tampa, FL, 33602



July 20, 2022

Mr. Shawn College  
Hillsborough-City Planning Commission  
County Center, 18<sup>th</sup> Floor  
PO Box 1110  
Tampa, FL 33601  
(Via Email: [colleges@plancom.org](mailto:colleges@plancom.org))

**Minor Work Permit Application No.: 21-064**

**Applicant: Zayo Group, LLC**

**Project: Proposed Installation of a One 6-Inch Telecommunications Fiber Optic Cable Conduit Utility Line Via Subaqueous Horizontal Directional Drill (HDD) Traversing Under Hillsborough River Located Along South Bridge ROW of W. Hillsborough Ave./SR-600/US-92 (Bridge No. 100618 & 100920), West of N. Ola Ave. in Tampa, FL; STR 01-28S-19E; Within City of Tampa**

Enclosed is a Tampa Port Authority, d/b/a Port Tampa Bay (PTB), minor work permit application for proposed marine construction under the Hillsborough River for inclusion in the agenda for the next Hillsborough River Technical Advisory Council. Enclosed are the **REVISED DRAWINGS** for the above referenced marine construction application to perform work in waters under the jurisdiction of this Authority. Please note that the proposal under PTB review is part of a larger linear project. A copy of the **REVISED engineering drawings** for only the portion of this project that falls within PTB permitting jurisdiction is enclosed for your review.

Unless additional information is necessary to complete your review, please submit your recommendations and comments concerning the project to this office **within fourteen (14) days of receipt of this letter**. Please provide written comments to the PTB Environmental Dept. at 1101 Channelside Dr., Tampa, FL 33602 or via email [bbaity@tampaport.com](mailto:bbaity@tampaport.com) or Basecamp project folder (21-064).

Please contact me at 813-905-5033 or [jjulien@tampaport.com](mailto:jjulien@tampaport.com) if you have any questions or.

Sincerely,

*Jackie Julien*

Jackie Julien  
Environmental Supervisor  
Port Tampa Bay

Cc: Zayo / Agent – [cody.daller@zayo.com](mailto:cody.daller@zayo.com) / [marco.rubio@kci.com](mailto:marco.rubio@kci.com); [jpate@ycominc.com](mailto:jpate@ycominc.com)





PORT TAMPA BAY

ENVIRONMENTAL DEPARTMENT  
1101 Channelside Dr. Tampa, FL 33602  
Ph: (813) 905-5031 · Fax: (813) 905-5050  
www.tampaport.com

# MINOR WORK PERMIT APPLICATION TO PERFORM WORK IN WATERS OF THE HILLSBOROUGH COUNTY PORT DISTRICT

For Official Use Only: Application #

Date Received:

NEW

PERMIT REVISION

AFTER-THE-FACT WN# \_\_\_\_\_

## SECTION I

### 1. MINOR WORK PERMIT APPLICATION - Brief Project Description:

SUBAQUEOUS BORE APPROX 964 UNDER HILLSBOROUGH RIVER @ HILLSBOROUGH AVE. PROPOSED BORE WILL BE ON THE SOUTHSIDE OF THE EAST BOUND BRIDGE

(SEE ATTACHED PLANS)

*11-1108 LF per Revised plans. (11-511)*

### 2. PROPERTY OWNER / APPLICANT INFORMATION

Request to be present at site inspection

First Name: MATT

Last Name: RICHARDS

Company Name/Title: ZAYO GROUP / DIRECTOR OSP

Mailing Address: 4701 W HILLSBOROUGH AVE

City: TAMPA

State: FL

Zip Code: 33614

Telephone Number: (813) 587-2584

Email Address: MATT.RICHARDS@ZAYO.COM

### 3. AUTHORIZED AGENT INFORMATION

Request to be present at site inspection

First Name: MARCO

Last Name: RUBIO

Company Name/Title: KCI TECHNOLOGIES / PROJECT MANANAGER

Mailing Address: 4041 CRESCENT PARK DR

City: RIVERVIEW

State: FL

Zip Code: 33578

Telephone Number: (813) 386-2941

Email Address: MARCO.RUBIO@KCI.COM

### 4. CONTRACTOR INFORMATION

Request to be present at site inspection

First Name: JOEL

Last Name: PATE

Company Name/Title: YOUNGS COMMUNICATIONS

Mailing Address: 424 WEST DR

City: MELBOURNE

State: FL

Zip Code: 32904

Telephone Number: 706-897-8745

Email Address: JPATE@YCOMINC.COM

## SECTION II

### 1. LOCATION OF PROPOSED PROJECT

Site Street Address: HILLSBOROUGH AVE @ HILLSBOROUGH RIVER (WEST OF N OLA AVE)

City: TAMPA

State: FL

Zip Code: 33602

Folio Number(s): 290000-0006

Section: 24

Township: 29

Range: 18

Name of Water Body at Project: HILLSBOROUGH RIVER

**REVISED  
RECEIVED**

PTB #MWP2014

Page 1 of 4

Revised 3/2014

22-034

MAY 10 2022  
ENVIRONMENTAL DEPT.



2. PROPOSED USE

- Private Single-Family Dwelling
- Commercial
- Private Multi-Family Dwelling (Condominium, Apartment, etc.)
- Other (explain): \_\_\_\_\_

3. OWNER OF SUBMERGED LANDS: \_\_\_\_\_

- Leased Port Property or Port Easement (Check box if applicable and attach information.)

4. PREVIOUS TAMPA PORT AUTHORITY PERMITS ISSUED AT THIS LOCATION:

Permit Number(s): N/A Date: \_\_\_\_\_

5. PROJECT DESCRIPTION

**NOTE:** Features and dimensions must be carefully shown on the required application drawings. Please review the attached guidelines provided to ensure that the drawings which you have prepared are acceptable.

A. STRUCTURES:

- NEW WORK
- MAINTENANCE
- ADDITION

1) DOCK, OBSERVATION DECK, PIER, OR ELEVATED BOARDWALK

- a. Length of Shoreline: \_\_\_\_\_ Linear Ft.
- b. Number of Proposed Docks: \_\_\_\_\_ No. of Boat Slips/Lifts: \_\_\_\_\_ / \_\_\_\_\_
- c. Length from M/OHW to Waterward Edge of Structure: \_\_\_\_\_ Ft.
- d. Width of Structure: \_\_\_\_\_ Ft. Mooring Water Depth at M/OLW: \_\_\_\_\_ Ft.
- e. Existing Structure Area: \_\_\_\_\_ Sq. Ft.
- f. Proposed Structure Area: \_\_\_\_\_ Sq. Ft.
- g. Overall Area of Facility: \_\_\_\_\_ Sq. Ft.

2) SEAWALLS, RIP-RAP, REVETMENTS OR OTHER SHORELINE STABILIZATION:

- a. Length of Shoreline at Site: \_\_\_\_\_ Linear Ft.
- b. Length of Work Proposed along Shoreline: \_\_\_\_\_ Linear Ft.
- c. Seawall Vertical Height: \_\_\_\_\_ Ft.
- d. Rip-Rap Slope: Horizontal Distance: \_\_\_\_\_ Ft.; Vertical Height: \_\_\_\_\_ Ft.
- e. Type of Material: \_\_\_\_\_
- f. Volume: \_\_\_\_\_ Cubic Ft. Below MHW/OHW

3) OTHER TYPE OF STRUCTURE: (Please Explain) \_\_\_\_\_

*\*For Utility Pipeline Projects: Refer to the Guidelines and Engineering Standards for Submerged Land Utility Crossing*

B. DREDGING / EXCAVATION

- NEW WORK
- MAINTENANCE

1) DIMENSIONS OF AREAS TO BE DREDGED / EXCAVATED:

- a. Length: \_\_\_\_\_ Ft. Width \_\_\_\_\_ Ft.; Total Area: \_\_\_\_\_ Sq. Ft.
- b. Depths: Existing \_\_\_\_\_; Proposed \_\_\_\_\_
- c. Volume: Above MHW \_\_\_\_\_; Below MHW \_\_\_\_\_; Total \_\_\_\_\_ Cubic Ft.
- d. Area: Above MHW \_\_\_\_\_; Below MHW \_\_\_\_\_; Total \_\_\_\_\_ Sq. Ft.





SITE NAME

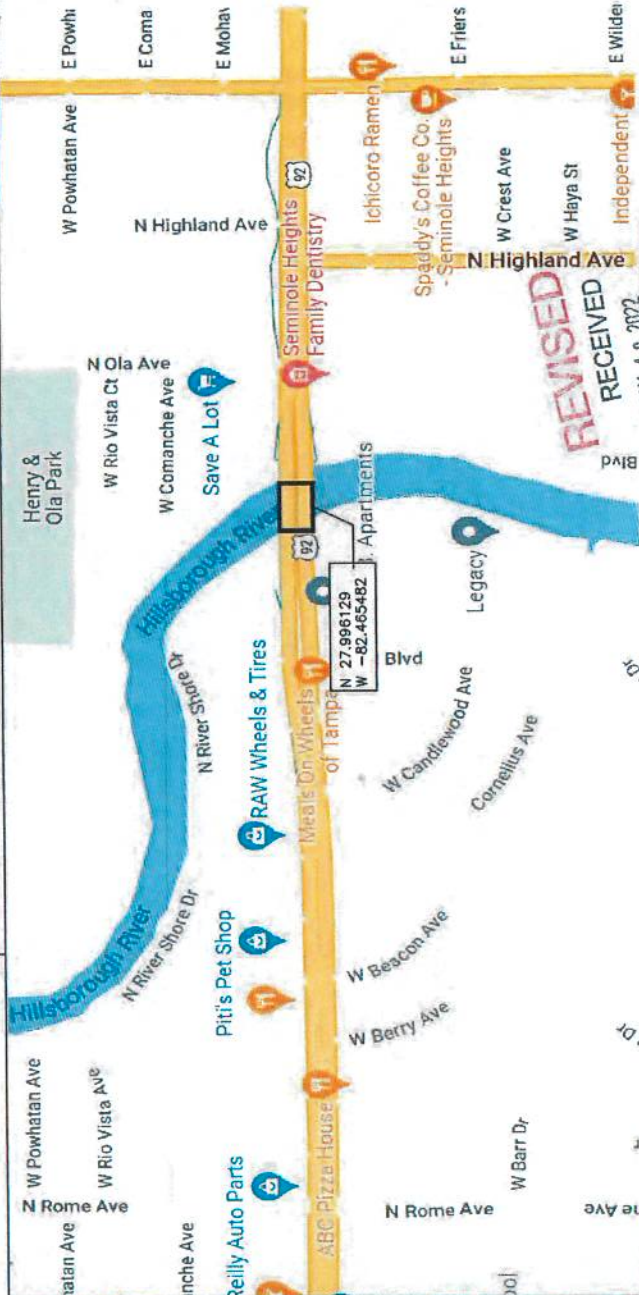
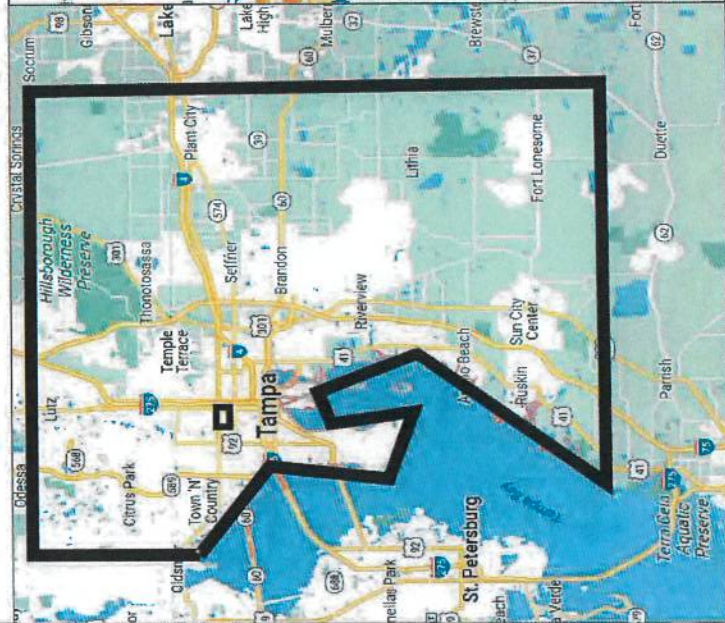
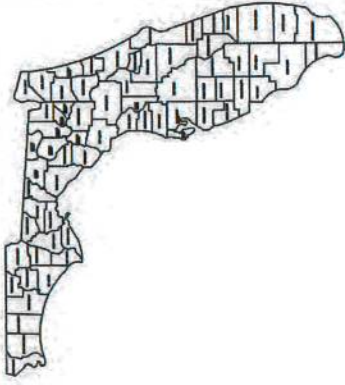
**TAMPA\_041\_TPA\_1**

TPA\_1- HILLSBOROUGH RIVER  
SR-600 / W HILLSBOROUGH AVE-WEST  
TAMPA, FL 33603  
HILLSBOROUGH COUNTY

OUTSIDE PLANT CONSTRUCTION  
FIBER OPTIC CABLE ROUTE

TAMPA

KCI PROJECT NUMBER: 071903860.056



ENVIRONMENTAL  
MAY 11 2022  
REVISED RECEIVED

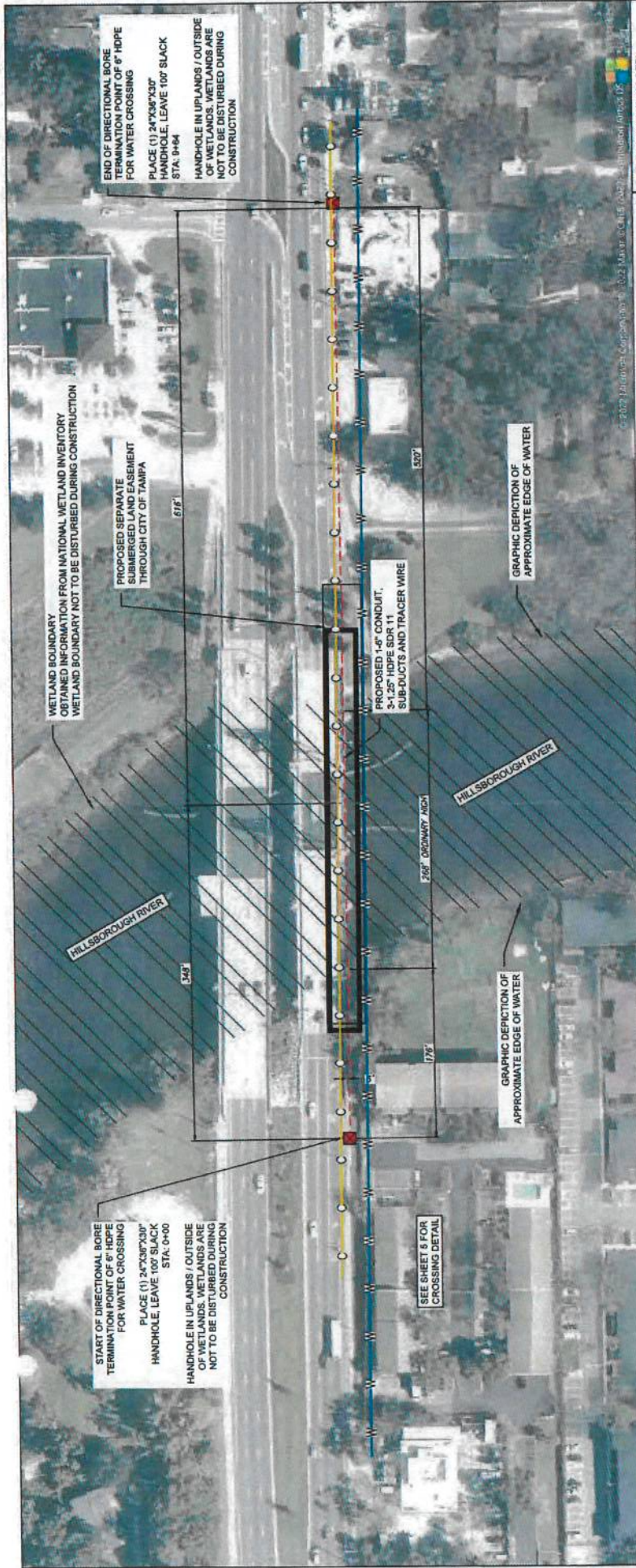
PROJECT NO: TAMPA_041_TPA_1		SHEET NUMBER	
DRWN BY: AL	DATE	1 OF 5	
CHECKED BY: AM	DATE	TITLE SHEET	
APPROVED BY: JAB	DATE	TAMPA_041_TPA_1	
NOT TO SCALE		DESCRIPTION	
PTB #21-064		TAMPA_041_TPA_1	



KCI TECHNOLOGIES INC.  
4041 Crescent Park Drive,  
Riverview, FL 33578  
FLORIDA LICENSE NO:  
EB0004898







END OF DIRECTIONAL BORE  
TERMINATION POINT OF 6" HDPE  
FOR WATER CROSSING  
PLACE (1) 24"x36"x30"  
HANDHOLE, LEAVE 100' SLACK  
STA. 9+64

WETLAND BOUNDARY FROM NATIONAL WETLAND INVENTORY  
OBTAINED INFORMATION NOT TO BE DISTURBED DURING CONSTRUCTION

PROPOSED SEPARATE  
SUBMERGED LAND EASEMENT  
THROUGH CITY OF TAMPA

PROPOSED 1-4" CONDUIT,  
3-1.25" HDPE SDR 11  
SUB-DUCTS AND TRACER WIRE

GRAPHIC DEPICTION OF  
APPROXIMATE EDGE OF WATER

START OF DIRECTIONAL BORE  
TERMINATION POINT OF 6" HDPE  
FOR WATER CROSSING  
PLACE (1) 24"x36"x30"  
HANDHOLE, LEAVE 100' SLACK  
STA. 0+00

HANDHOLE IN UPLANDS / OUTSIDE  
OF WETLANDS, WETLANDS ARE  
NOT TO BE DISTURBED DURING  
CONSTRUCTION

SEE SHEET 5 FOR  
CROSSING DETAIL

GRAPHIC DEPICTION OF  
APPROXIMATE EDGE OF WATER

THIS DOCUMENT HAS BEEN  
ELECTRONICALLY SIGNED AND  
SEALED BY JAMES T. FENNEL  
PE (063909) ON THE DATE  
SHOWN ON THE T-1 SHEET  
USING A DIGITAL SIGNATURE IN  
ACCORDANCE WITH F.A.C.  
61G15-23.004, WITH A DIGITAL  
KEY GENERATED BY  
ENTRUST, INC. PLEASE  
REFERENCE SHEET T-1 TO VIEW  
THE SIGNATURE AND VERIFY ITS  
PROPERTIES. PRINTED COPIES  
OF THIS DOCUMENT ARE NOT  
CONSIDERED SIGNED AND  
SEALED AND THE 88A-1  
AUTHENTICATION CODE MUST  
BE USED TO VERIFY THE  
ELECTRONIC COPIES.



IF A VOLUME OF LAW OR AN ORDER, JUDICIAL  
OFFICER, OR A COURT ORDER, THE SIGNATURE OF THE  
SIGNATURE AUTHORITY IS REQUIRED TO SIGN THE  
DOCUMENT

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MAY 11 2022  
ENVIRONMENTAL DEPT  
REVISED

- NOTES:
- RIGHT OF WAY DATA USED FOR PERMITTING PURPOSES ONLY.
  - ABOVE GROUND UTILITY FEATURES HAVE BEEN FIELD VERIFIED. ALL  
SUBSURFACE UTILITY FEATURES SHOWN ARE APPROXIMATE. UTILITY LOCATES  
WILL BE PERFORMED PRIOR TO CONSTRUCTION.
  - WATER, WASTEWATER, STORMWATER AND RECLAIMED WATER UTILITIES  
GIS PROVIDED BY HILLSBOROUGH COUNTY.
  - ALL BORES WILL BEGIN AND END AT A MINIMUM OF 8' FROM EDGE  
OF PAVEMENT.
  - MAINTAIN A 36" MINIMUM SEPARATION FROM ALL UTILITIES.
  - DRIVEWAYS, TREES, AND CULVERTS WILL BE DIRECTIONAL BORED.

24" X 36" X 30" HANDHOLE	W	WATER	WATER UTILITY FEATURE
BORE PIT	S	WASTEWATER	FIRE HYDRANT
PROPOSED UNDERGROUND PATH	D	STORMWATER	WASTEWATER UTILITY FEATURE
PROPOSED AERIAL PATH	R	RECLAIMED WATER	STORMWATER UTILITY FEATURE
PROPOSED WORK AREA	C	COMMUNICATIONS	COMMUNICATIONS UTILITY FEATURE
RIGHT OF WAY	G	GAS	RECLAIMED WATER UTILITY FEATURE
NWI WETLANDS	E	ELECTRICAL	TRAFFIC CONTROL UTILITY FEATURE
			GAS UTILITY FEATURE
			ELECTRICAL UTILITY FEATURE
			UTILITY POLE

SHEET NUMBER  
4 OF 5

SHEET TITLE  
FIBER INSTALLATION  
PLAN

PROJECT NO:	TAMPA_04_TPA_1
DRAWN BY:	MANN, G.
CHECKED BY:	AM
APPROVED BY:	JAS
REV	DATE

NOT TO SCALE



KCI TECHNOLOGIES INC.  
4041 Crescent Park Drive,  
Riverview, FL 33578  
FLORIDA LICENSE NO:  
EB0004898







**Hillsborough River  
Interlocal Planning Board  
& Technical Advisory Council**

**Agenda Item 7. G. Minor Work Permit No. 22-030, (TPA)**

**Attachments:**

1. Minor Work Permit Application



**Plan Hillsborough**  
[planhillsborough.org](http://planhillsborough.org)  
[planner@plancom.org](mailto:planner@plancom.org)  
813 - 272 - 5940  
601 E Kennedy Blvd  
18<sup>th</sup> floor  
Tampa, FL, 33602



PORT TAMPA BAY

ENVIRONMENTAL DEPARTMENT  
1101 Channelside Dr. Tampa, FL 33602  
Ph: (813) 905-5031 · Fax: (813) 905-5050  
www.tampaport.com

# MINOR WORK PERMIT APPLICATION TO PERFORM WORK IN WATERS OF THE HILLSBOROUGH COUNTY PORT DISTRICT

For Official Use Only: Application # 22-030 Date Received: \_\_\_\_\_

NEW

PERMIT REVISION

AFTER-THE-FACT W/N# \_\_\_\_\_

## SECTION I

### 1. MINOR WORK PERMIT APPLICATION - Brief Project Description:

Fletcher Ave over Hillsborough River Scour Countermeasures

Bridge maintenance consisting of channel armoring with gabions under the bridge and in the immediate vicinity of the bridge

### 2. PROPERTY OWNER / APPLICANT INFORMATION

Request to be present at site inspection

First Name: Leland

Last Name: Dicus

Company Name/Title: Hillsborough County

Mailing Address: 601 East Kennedy Boulevard, 22nd Floor

City: Tampa

State: FL

Zip Code: 33602

Telephone Number: \_\_\_\_\_

Email Address: DicusL@HillsboroughCounty.org

### 3. AUTHORIZED AGENT INFORMATION

Request to be present at site inspection

First Name: Hisham

Last Name: Sunna

Company Name/Title: Ayres Associates/Manager

Mailing Address: 8875 Hidden River Parkway, Suite 200

City: Tampa

State: FL

Zip Code: 33637

Telephone Number: (813) 978-8688

Email Address: sunnah@ayresassociates.com

### 4. CONTRACTOR INFORMATION

Request to be present at site inspection

First Name: \_\_\_\_\_

Last Name: \_\_\_\_\_

Company Name/Title: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip Code: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

## SECTION II

### 1. LOCATION OF PROPOSED PROJECT

Site Street Address: E. Fletcher Avenue at Hillsborough River

City: Tampa

State: FL

Zip Code: 33637

Folio Number(s): N/A

Section: 2 + // Township: 28S

Range: 19E

Name of Water Body at Project: Hillsborough River

RECEIVED  
MAY 03 2022  
ENVIRONMENTAL DEPT.

2. PROPOSED USE

- Private Single-Family Dwelling
- Commercial
- Private Multi-Family Dwelling (Condominium, Apartment, etc.)
- Other (explain): Governmental

3. OWNER OF SUBMERGED LANDS: Tampa Port Authority

*Leased Port Property or Port Easement (Check box if applicable and attach information.)*

4. PREVIOUS TAMPA PORT AUTHORITY PERMITS ISSUED AT THIS LOCATION:

Permit Number(s): \_\_\_\_\_ Date: \_\_\_\_\_

5. PROJECT DESCRIPTION

**NOTE:** Features and dimensions must be carefully shown on the required application drawings. Please review the attached guidelines provided to ensure that the drawings which you have prepared are acceptable.

A. STRUCTURES:

- NEW WORK
- MAINTENANCE
- ADDITION

1) DOCK, OBSERVATION DECK, PIER, OR ELEVATED BOARDWALK

- a. Length of Shoreline: \_\_\_\_\_ Linear Ft.
- b. Number of Proposed Docks: \_\_\_\_\_ No. of Boat Slips/Lifts: \_\_\_\_\_ / \_\_\_\_\_
- c. Length from M/OHW to Waterward Edge of Structure: \_\_\_\_\_ Ft.
- d. Width of Structure: \_\_\_\_\_ Ft. Mooring Water Depth at M/OLW: \_\_\_\_\_ Ft.
- e. Existing Structure Area: \_\_\_\_\_ Sq. Ft.
- f. Proposed Structure Area: \_\_\_\_\_ Sq. Ft.
- g. Overall Area of Facility: \_\_\_\_\_ Sq. Ft.

2) SEAWALLS, RIP-RAP, REVETMENTS OR OTHER SHORELINE STABILIZATION:

- a. Length of Shoreline at Site: ea side 132 Linear Ft.
- b. Length of Work Proposed along Shoreline: ea side 132 Linear Ft.
- c. Seawall Vertical Height: \_\_\_\_\_ Ft.
- d. Rip-Rap Slope: Horizontal Distance: level Ft.; Vertical Height: 0.75 Ft.
- e. Type of Material: Gabion baskets containing rubble meeting FDOT Standard Specifications
- f. Volume: 7947 / 11,294 CY Cubic Ft. Below MHW/OHW

3) OTHER TYPE OF STRUCTURE: (Please Explain) \_\_\_\_\_

*\*For Utility Pipeline Projects: Refer to the Guidelines and Engineering Standards for Submerged Land Utility Crossing*

B. DREDGING / EXCAVATION

- NEW WORK
- MAINTENANCE

1) DIMENSIONS OF AREAS TO BE DREDGED / EXCAVATED: for creating consistent bottom grade for gabions.

- a. Length: 220 Ft. Width 132 Ft.; Total Area: \_\_\_\_\_ Sq. Ft.
- b. Depths: Existing 9 inches; Proposed 9 inches
- c. Volume: Above MHW 300 / 11 CY; Below MHW 7947 / 11,294 CY; Total 8247 / 11,305 CY Cubic Ft.
- d. Area: Above MHW 400; Below MHW 29000; Total 29400 Sq. Ft.

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22-030



- 2) TYPE OF MATERIAL: Sand  
 3) STORAGE OF MATERIAL:  On-site Storage  Off-site Disposal Site: \_\_\_\_\_

*\*If material is to be taken off-site, describe the method of material storage, haul routes, and specify the location with an attached Affidavit of Authorization from the disposal site's property owner, as applicable to the project.*

C. FILLING - *Placement of Gabion basket mats / Same vol. removed + put back in gabion*

- 1) VOLUME: Above MHW 300 ; Below MHW 7947 ; Total 8247 Cubic Ft.  
 2) AREA: Above MHW 400 ; Below MHW 29000 ; Total 29400 Sq. Ft.  
 3) CONTAINMENT: Seawall \_\_\_\_\_ Dikes \_\_\_\_\_ Other (explain): Baskets  
 4) TYPE OF MATERIAL: gabion baskets with filter fabric underlayment  
 5) SOURCE OF MATERIAL:  On-site  Off-site: \_\_\_\_\_

*\*Refer to the Fill Checklist for material sampling requirements and other applicable information.*

6. WORK SCHEDULE: To Begin Project On: 10/01/2022 And Be Completed By: 12/30/2023

**REMARKS / COMMENTS FOR PROJECT:**  
 The proposed bridge repair channel armoring are necessary to improve the structural integrity of the bridge to ensure public health and safety and is therefore in the publics interest. The installation gabion basket mats will protect the bridge from scour. The bridge has been designated as scour critical by FDOT, requiring the installation of scour countermeasures to protect the bridge substructure.

**SECTION III**

PROJECT SITE ADJACENT RIPARIAN PROPERTY OWNERS:  
 (Please include Name, Address, Telephone Number, and Email)

TIITF/UNIVERSITY OF SOUTH FL  
 Owner Name(s)  
UNIVERSITY OF SOUTH FLORIDA  
 Company Name/ Title  
3900 COMMONWEALTH BLVD  
 Mailing Address  
TALLAHASSEE, FL 32399  
 City, State; Zip Code  
 \_\_\_\_\_  
 Telephone Number/Email

CARLTON ARMS NORTH  
 Owner Name(s)  
 \_\_\_\_\_  
 Company Name/ Title  
147 2ND AVE S STE 300  
 Mailing Address  
SAINT PETERSBURG, FL 33701-4393  
 City, State; Zip Code  
(813) 988-1488  
 Telephone Number/Email

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## TECHNICAL MEMORANDUM

**Date:** Wednesday, July 3, 2019  
**To:** Hisham Sunna  
**From:** Scott Emery, Ph.D.  
Nigel Lewis, PE  
**RE:** Wetland Assessment – Hillsborough River at Fletcher Avenue  
**Project Title:** Hillsborough County Bridge Rehabilitation  
**HSW Project No:** 1CM601101

### 1.1 INTRODUCTION

Hillsborough County (County) is investigating several engineered technologies which prevent erosion and scouring under bridges at river and creek crossings. A total of four waterway crossings were selected to test each scouring protection technology. HSW Engineering, Inc. (HSW) was contracted by Ayres Associates (Ayres) to delineate the wetlands near to the selected bridge abutments based on vegetation, soils, and hydrologic observations. The wetland delineation will become permit support material for installation of the scouring control technologies. Observations made during the field event(s) are included in this memorandum.

The four bridge locations selected are:

- Hillsborough River at Fletcher Avenue
- Hillsborough River at Morris Bridge Road
- Bassett Branch at Morris Bridge Road
- New River at Morris Bridge Road

Observations, photos, and maps documented in this memorandum relate to the field event at Hillsborough River at Fletcher Avenue. The methodology described below was applied to all four sites.

### 1.2 REGULATIONS

The Florida Department of Environmental Protection (FDEP) regulations compiled within Chapter 62-340 F.A.C. and the Hillsborough County Environmental Protection Commission (EPC) Basis of Review for Authorization of Activities Pursuant to Chapter 1-11 – Wetlands documents were utilized as guidance for this work.

The landward extent (i.e., the boundary) of wetlands shall be determined by applying reasonable scientific judgment to evaluate the dominance of plant species, soils, and other hydrologic evidence of regular and periodic inundation and saturation (Chapter 62-340.300, Delineation of Wetlands).

The landward extent of a surface water shall be the more landward of the following (pertaining to non-tidal rivers and streams): Wetlands as located by Rule 62-340.300, F.A.C.; or the Ordinary High Water Line (OHWL) for non-tidal natural water bodies (Chapter 62-340.600, Surface Waters).

The Florida Statutes do not define the OHWL; however, the Florida Supreme Court established criteria for determining the location of the OHWL for navigable, non-tidal lakes and rivers in two Florida Supreme Court cases: Tilden v. Smith<sup>13</sup> and Martin v. Busch<sup>14</sup>. In the Tilden case, the Supreme Court provided a lengthy definition/description, a portion of which reads:



*"In the case of fresh water rivers and lakes—in which there is no ebb and flow of the tide but which are subject to irregular and occasional changes of height without fixed quantity or time except that they are periodical, recurring with the wet or dry seasons of the year—high water mark as a line between a riparian owner and the public, is to be determined by examining the bed and the banks and ascertaining where the presence and action of the water are so common and usual and so long continued in all ordinary years as to mark upon the soil of the bed a character distinct from that of the banks in respect to vegetation, as well as to the nature of the soil itself."*

Chapter 1-11, Rules of the Environmental Protection Commission of Hillsborough County, EPC has adopted the statewide methodology used for determining the landward extent of wetlands and other surface waters to establish the applicable EPC jurisdiction for impacts prohibited under Section 1-11.05. This methodology is used to identify the interface between surface waters, including wetlands, and uplands to review and verify the avoidance of direct and secondary impacts to wetlands or other surface waters.

### 1.3 METHODOLOGY

The field investigation was performed over two days (April 3<sup>rd</sup> and 5<sup>th</sup>, 2019) by an HSW senior environmental scientist, in coordination with a crew from MacSurvey. The project scope designates that the wetland delineations occur within 30-50 feet of each abutment on both sides of the bridge. Professional judgement was used to determine when the 50-foot buffer was not adequate to delineate a wetland edge. HSW utilized the best combination of soils, vegetation, water marks, scarps, debris lines, and other hydrologic indicators to delineate the OHWL near each bridge abutment. Multiple physical indicators were utilized when found.

#### 1.3.1 Soil Indicators

Approximating the OHWL using soils within 50 feet of each abutment was difficult. Most soil within these areas was disturbed by construction and maintenance activities. Extreme high-water events (e.g. hurricanes and tropical storms) have also caused soil scouring and sediment deposition under and around the bridges. Spoil mounds along the banks close to the bridges made estimating true top of bank (TOB) elevations difficult.

#### 1.3.2 Vegetative Indicators

Wetland line elevations (OHWL) generally decrease downstream from a bridge and increase upstream from the bridges. Vegetation underneath the bridges was largely absent. Within 50 feet of each abutment, vegetation appeared to be frequently maintained and influenced by run-off from the roadside swales on either side of the road. Where necessary, a vegetation assessment was performed up to 100 feet from the bridge abutment. Obligate and facultative wet wetland vegetation was utilized to help establish a line, when present (Table 1). On obligate species such as cypress, stain lines (not lichen lines) were employed at several locations.



**Table 1. Wetland Indicator Plant Species**

Common Name	Latin Name	Category	Wetland Indicator
Bald cypress	<i>Taxodium distichum</i>	Obligate	Line is at or above outer cypress
			Stain lines on cypress
			Nearby soils hydric
Carolina willow	<i>Salix caroliniana</i>	Obligate	Line is at or above outer willow
Pop ash	<i>Fraxinus caroliniana</i>	Obligate	Line is at or above outer ash
Buttonbush	<i>Cephalanthus occidentalis</i>	Obligate	At or above outer bush
American elm	<i>Ulmus americana</i>	Facultative wet	Closer to wetland edge
Red maple	<i>Acer rubrum</i>	Facultative wet	Closer to wetland edge
Swamp laurel oak	<i>Quercus laurifolia</i>	Facultative wet	Closer to wetland edge
Cabbage palm	<i>Sabal palmetto</i>	Facultative	Can be above wetland edge

### 1.3.3 Other Indicators

Additional indicators were used as evidence of an OHWL. Scarp elevations, debris lines, and water stain lines on the bridge structures themselves were all utilized.

### 1.3.4 OHWL Determination

To establish a final OHWL, an estimated elevation was determined for each indicator type. Elevations were compared for consistency, and outlier indicators were re-examined for possible man-induced alterations. For example, a mature cypress with a base elevation higher than nearby trees or other hydrologic indicators was re-examined for evidence of fill material around the tree base.

Once an indicator was deemed reliable and consistent, a numbered pin flag was placed at that elevation. A stain line indicator, under a bridge, was marked with a permanent ink marker. All areas surrounding the bridge crossing within 50-100 feet were studied and marked with flags and/or permanent ink markers. The survey crew collected elevations and GPS coordinates of each flag or mark.

The surveyors presented their calculated elevations for each flag/mark to HSW on May 28, 2019 (Attachment B).

## 1.4 OBSERVATIONS

### HILLSBOROUGH RIVER AT FLETCHER AVENUE

The existence of the Hillsborough River Dam has a definite influence on the elevation of the OHWL at this bridge location. The dam crest is wide and has an elevation of 22.5 feet NGVD29. Annual water level fluctuations for several miles upstream of the dam are moderated by the presence of this structure. The estimated OHWL was roughly 1.6 feet above the water level at the bridge on April 3, 2019. The USGS gage at this crossing no longer collects gage height data for comparison.

Evidence of scouring under the bridge was the least evident of the four locations being studied.

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Photo 1. Bamboo growing on small spoil mound next to Fletcher Avenue Bridge

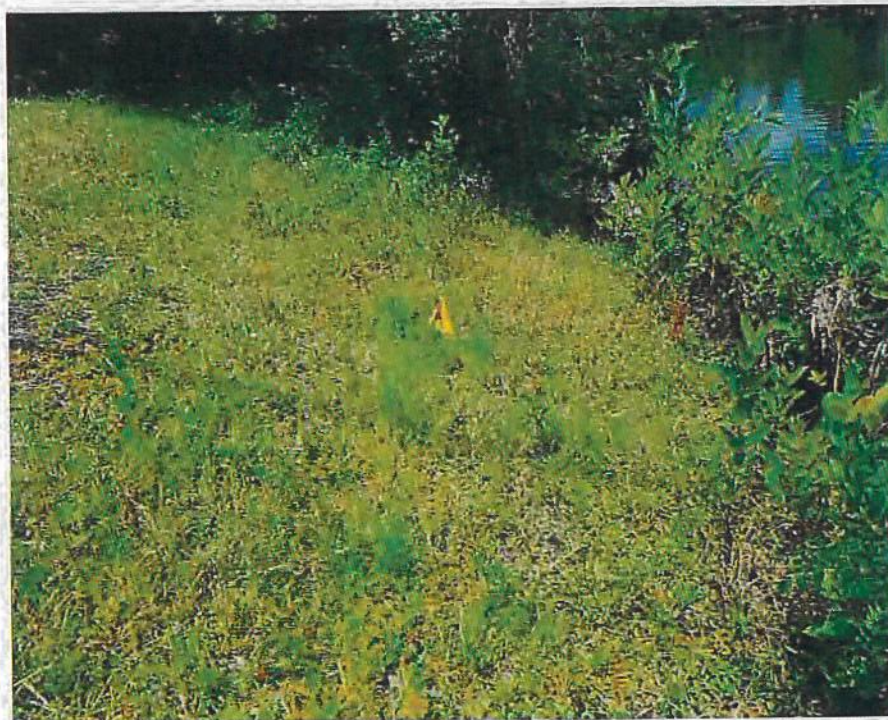


Photo 2. Scarp on mowed fill material next to Fletcher Avenue Bridge

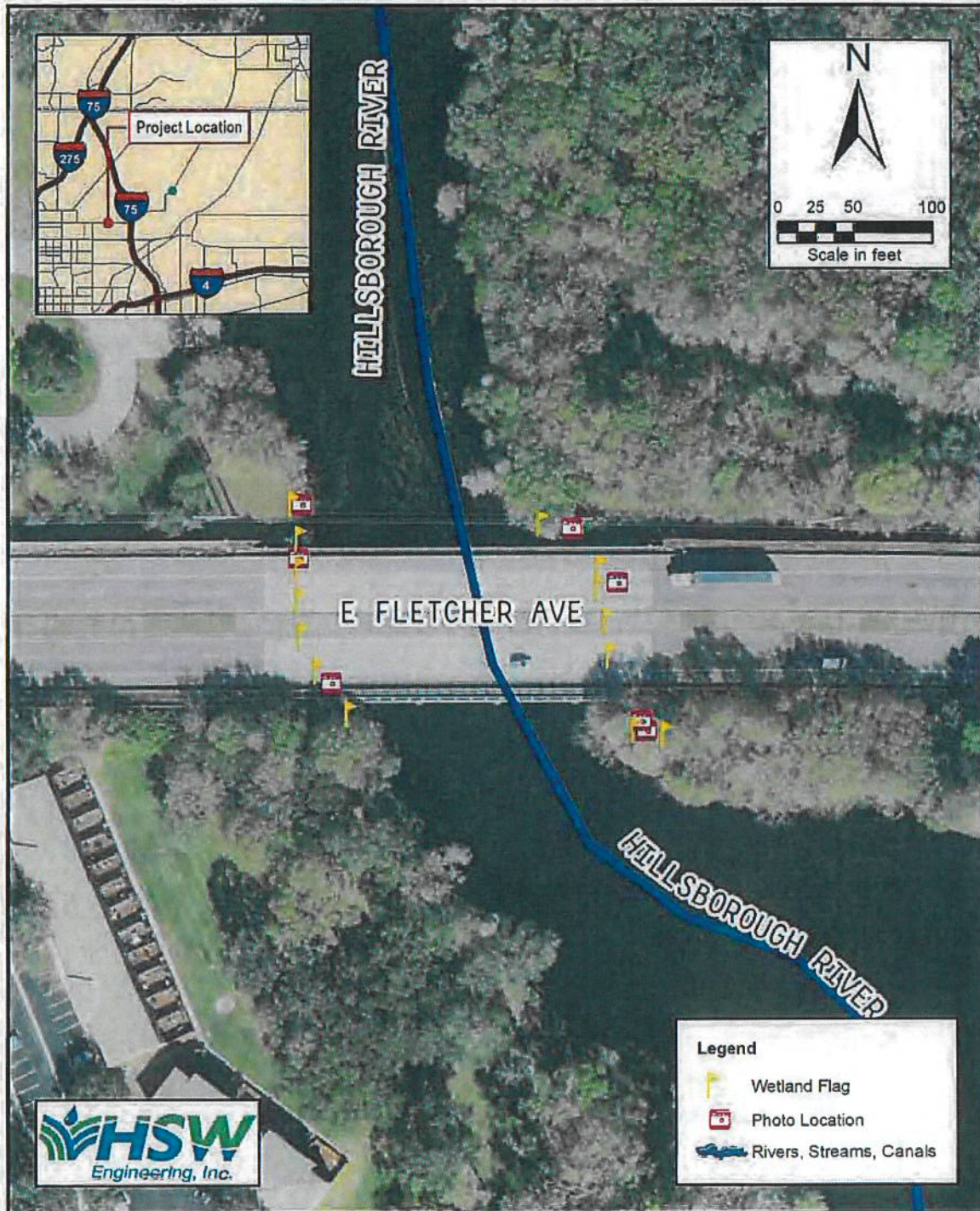


Photo 3. Debris line under Fletcher Avenue Bridge

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## HILLSBOROUGH RIVER AT FLETCHER AVENUE





# Gabion (Galvanized + PVC)



## Product Description

Gabions are baskets manufactured from 8x10 double twisted hexagonal woven steel wire mesh, as per ASTM A975 (Figures 1, 2). Gabions are filled with stones at the project site to form flexible, permeable, monolithic structures such as retaining walls, channel linings, and weirs for erosion control projects. The steel wire used in the manufacture of the gabion is heavily zinc coated soft temper steel. A PVC coating is then applied to provide additional protection for use in polluted, contaminated or aggressive environments: in salt, fresh water, acid soil or wherever the risk of corrosion is present. The PVC coating has a nominal thickness of 0.02 in. (0.50 mm). The standard specifications of the mesh-wire are shown in Table 2. The gabion is divided into cells by diaphragms positioned at approximately 3 ft (0.9 m) centers (Figure 1). To reinforce the structure, all mesh panel edges are selvedged with a wire having a greater diameter (Table 3). Dimensions and sizes of PVC coated gabions are shown in Table 1. Gabions shall be manufactured and shipped with all components mechanically connected at the production facility.

## Wire

All tests on wire must be performed prior to manufacturing the mesh. All wire should comply with ASTM A975, style 3 coating, galvanized and PVC coated steel wire. Wire used for the manufacture of gabions and the lacing wire, shall have a maximum tensile strength of 75 000 psi (515 MPa) as per ASTM A641/A641M-03, soft temper steel.

## Woven Wire Mesh Type 8x10

The mesh and wire characteristics shall be in accordance with ASTM A975 Table 1, Mesh type 8x10. The nominal mesh opening  $D = 3.25$  in. (83 mm) as per Fig. 2. The minimum mesh properties for strength and flexibility should be in accordance with the following:

- Mesh Tensile Strength shall be 3500 lb/ft (51.1 kN/m) minimum when tested in accordance with ASTM A975 section 13.1.1.
- Punch Test resistance shall be a minimum of 6000 lb (26.7 kN) when tested in compliance with ASTM A975 section 13.1.4 .
- Connection to Selvedges should be 1400 lb/ft (20.4 kN/m) when tested in accordance with ASTM A975.

## P.V.C. (Polyvinyl Chloride) Coating

The technical characteristics and the resistance of the PVC to aging should meet the relevant standards. The main values for the PVC material are as follows: The initial property of the PVC coating shall be in compliance with ASTM A975 section 8.2. Prior to UV and abrasion degradation, the PVC polymer coating shall have a projected minimum durability of 69 years when tested in accordance with UL 746B Polymeric Material-Long Term Property Evaluation for heat aging test

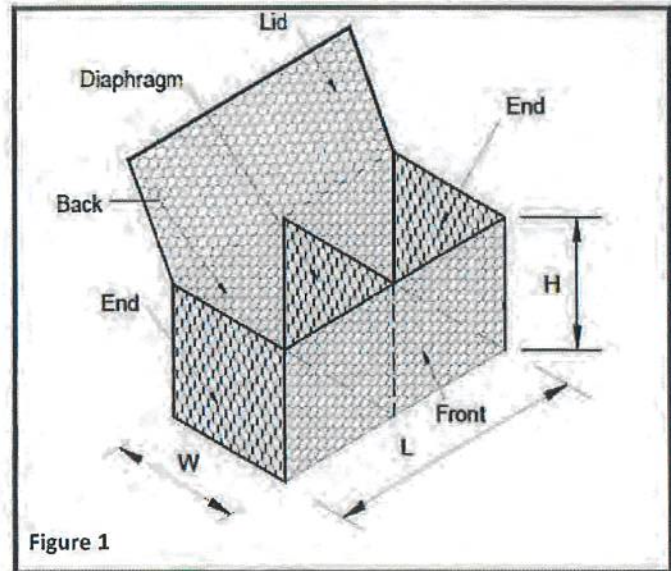


Figure 1

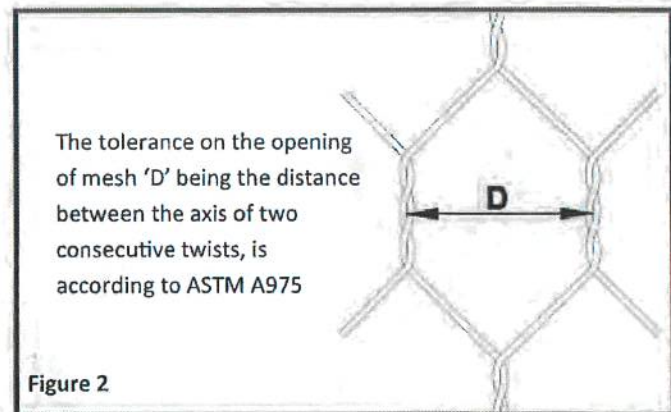


Figure 2

## Lacing, Assembly and Installation

Gabion units are assembled and connected to one another using lacing wire specified in Table 3 and described in Figure 3. MacTie preformed stiffeners or lacing wire can be used as internal connecting wires when a structure requires more than one layer of gabions to be stacked on top of each other. Internal connecting wires with lacing wire shall connect the exposed face of a cell to the opposite side of the cell. Internal connecting preformed stiffeners shall connect the exposed face of a cell to the adjacent side of the cell. Preformed stiffeners are installed at 45° to the face/side of the unit, extending an equal distance along each side to be braced (approximately 1 ft. (300 mm)). An exposed face is any side of a gabion cell that will be exposed or unsupported after the structure is completed. Stainless steel ring fasteners can be used instead of, or to complement, the lacing wire (Figure 4).

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L=Length ft (m)	W=Width ft (m)	H=Height ft (m)	# of Cells
6 (1.8)	3 (0.9)	3 (0.9)	2
9 (2.7)	3 (0.9)	3 (0.9)	3
12 (3.6)	3 (0.9)	3 (0.9)	4
6 (1.8)	3 (0.9)	1.5 (0.45)	2
9 (2.7)	3 (0.9)	1.5 (0.45)	3
12 (3.6)	3 (0.9)	1.5 (0.45)	4
6 (1.8)	3 (0.9)	1 (0.3)	2
9 (2.7)	3 (0.9)	1 (0.3)	3
12 (3.6)	3 (0.9)	1 (0.3)	4
4.5 (1.4)	3 (0.9)	3 (0.9)	1
12 (3.6)**	6 (1.8)	1 (0.3)	4

All sizes and dimension are nominal. Tolerances of  $\pm 5\%$  of the width, height and length of the gabions are permitted. Other sizes available upon request with minimum quantities.

Table 1 - Gabion Sizes

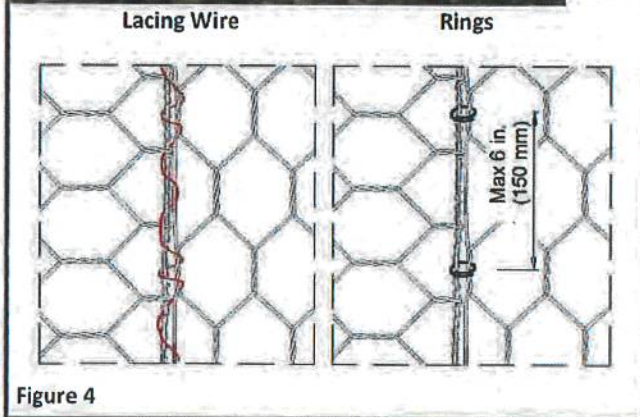


Figure 4

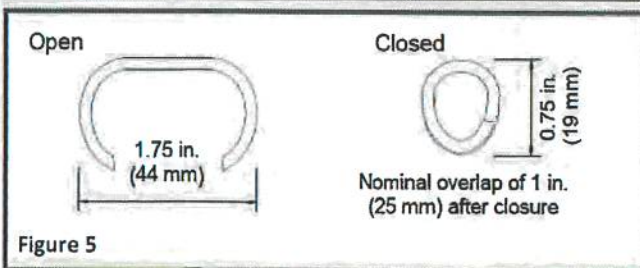


Figure 5

Type	D in (m)	Tolerance	Internal Wire Dia in. (mm)	External Wire Dia in. (mm)
8x10/Zn	3.25 (83)	10%	0.106 (2.70)	0.146 (3.70)

Table 2 - Standard Mesh-Wire

Type	Lacing Wire	Mesh Wire	Selvedge Wire/ Preformed Stiffeners
Mesh Diameter $\phi$ in (mm)	0.087 (2.20)	0.106 (2.70)	0.134 (3.40)
Wire Tolerance ( $\pm$ ) $\phi$ in (mm)	0.004 (0.10)	0.004 (0.10)	0.004 (0.10)
Minimum Qty/Zinc oz/ft <sup>2</sup> (m/m <sup>2</sup> )	0.79 (240)	0.80 (244)	0.85 (259)

Table 3 - Standard Wire Diameters

**Quantity Request**

When requesting a quotation, please specify:

- Number of units
- Size of units (length x width x height, see Table 1)
- Type of mesh
- Type of coating

EXAMPLE: No. 100 gabions, 6x3x3, Mesh type 8x10, Wire diameter 0.106 in (2.70 mm), Galvanized + PVC coated.



Figure 6



Elite Erosion Supply, LLC  
 4016 River Oaks Dr., #135, Myrtle Beach, SC 29579  
 P: 775-848-4479 | F: 803-724-6786  
 www.eliteerosionsupply.com

Office Locations:  
 Myrtle Beach, SC  
 Martinsburg, WV

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# Reno Mattress (Galv. + PVC)



## Product Description

The Reno Mattress is a structure made of 6x8 hexagonal double twisted woven steel wire mesh type as per ASTM A975 (Fig. 1 and 2). Reno mattresses are filled with stones at the project site to form flexible and permeable, monolithic structures such as river bank protection and channel linings for erosion control.

The steel wire used in the manufacture of the mattress is heavily zinc-coated soft temper steel. A PVC coating is then applied to provide additional protection for use in aggressive environments, where soil or water are acidic, in salt or fresh water, or wherever the risk of corrosion is present. The PVC coating has a nominal thickness of 0.02 in (0.50 mm). The standard specification of mesh and wire are shown in Table 2.

To reinforce the structure, all mesh panel edges are selvedged with a wire having a greater diameter (Table 3).

Reno mattresses are divided into cells by internal diaphragms. Dimensions and sizes of Reno mattresses are shown in Table 1.

## Wire

All tests on wire must be performed prior to manufacturing the mesh. All wire should comply with ASTM A975, style 3 coating, galvanized and PVC coated steel wire. Wire used for the manufacture of Reno mattresses and the lacing wire, shall have a maximum tensile strength of 75,000 psi (515 MPa) as per ASTM A641 soft temper steel.

## Woven Wire Mesh Type 6x8

The mesh and wire characteristics shall be in accordance with ASTM A975 Table 1, Mesh type 6x8. The nominal mesh opening  $D = 2.5$  in. (64 mm) as per Figure 2.

The minimum mesh properties for strength and flexibility should be in accordance with the following:

- Mesh Tensile Strength shall be 2300 lb/ft (33.6 kN/m) minimum when tested in accordance with ASTM A975 section 13.1.1.
- Punch Test resistance shall be a minimum of 4000 lb (17.8 kN) when tested in compliance with ASTM A975 section 13.1.4 .
- Connection to Selvedges should be 700 lb/ft (10.2 kN/m) when tested in accordance with ASTM A975.

## P.V.C. (Polyvinyl Chloride) Coating

The technical characteristics and the resistance of the PVC to aging should meet the relevant standards. The main values for the PVC material are as follows:

- The initial property of the PVC coating shall be in compliance with ASTM A975 section 8.2.
- Prior to UV and abrasion degradation, the PVC polymer coating shall have a projected minimum durability of 69 years when tested in accordance with UL 746B Polymeric Material—Long Term Property Evaluation for heat aging test.

## Lacing, Assembly and Installation

Gabion units are assembled and connected to one another using lacing wire specified in Table 3 and described in Figure 3.

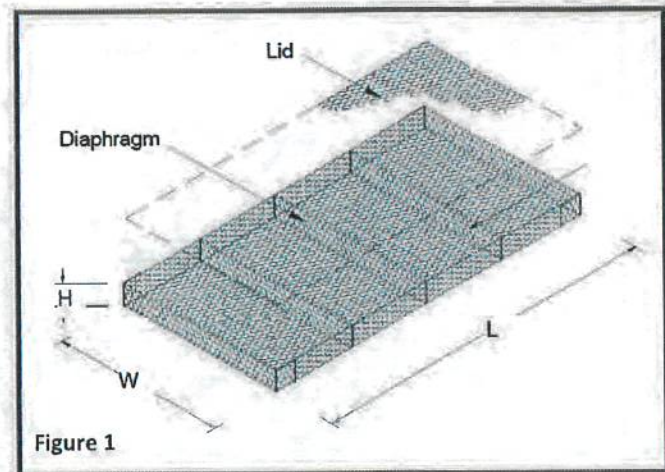


Figure 1

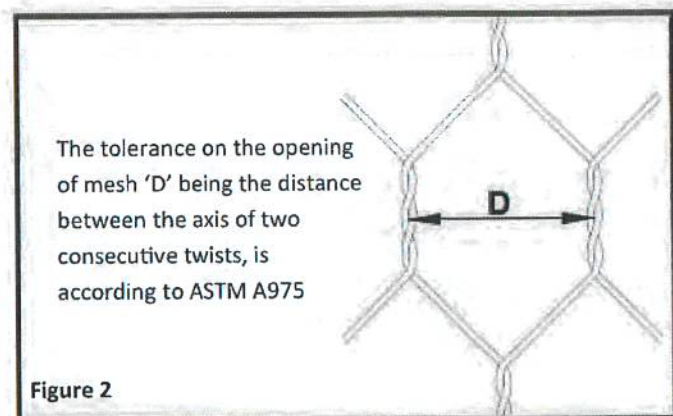


Figure 2

MacTie preformed stiffeners or lacing wire can be used as internal connecting wires when a structure requires more than one layer of gabions to be stacked on top of each other. Internal connecting wires with lacing wire shall connect the exposed face of a cell to the opposite side of the cell. Internal connecting preformed stiffeners shall connect the exposed face of a cell to the adjacent side of the cell. Preformed stiffeners are installed at 45° to the face/side of the unit, extending an equal distance along each side to be braced (approximately 1 ft. (300 mm)). An exposed face is any side of a gabion cell that will be exposed or unsupported after the structure is completed. Stainless steel ring fasteners can be used instead of, or to complement, the lacing wire (Figure 4). Steel fasteners can be placed using pneumatic or manual tools (Figure 6). For full details please see the Reno Mattress Product Installation Guide. The average maximum resistance of the fasteners from the field shall not be lower than 90% of the resistance provided in the certification.

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HILLSBOROUGH COUNTY  
DEPARTMENT OF PUBLIC WORKS  
TECHNICAL SERVICES DIVISION

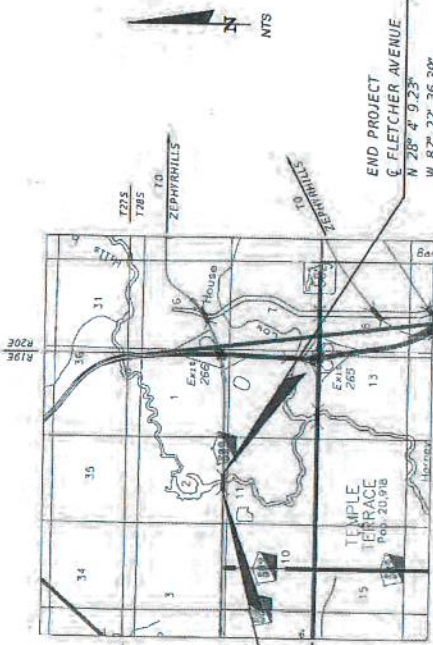
CONTRACT PLANS  
FLETCHER AVE. OVER HILLSBOROUGH RIVER  
BRIDGE # 100276  
CIP #6212079

THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY  
Hisham N Sunna  
2022.06.17 16:59:19-04'00'  
ON THE DATE ADJACENT TO THE SEAL.  
PRINTED COPIES OF THIS DOCUMENT ARE  
NOT CONSIDERED SIGNED AND SEALED  
AND THE SIGNATURE MUST BE VERIFIED  
ON ANY ELECTRONIC COPIES.



INDEX OF STRUCTURE PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
A-1	GENERAL NOTES
B-1	FOUNDATION
B-2	WETLAND IMPACTS
B-3	GABION MAT DETAILS
B-4	



BEGIN PROJECT  
C. FLETCHER AVENUE  
N 28° 4' 9.23"  
W 82° 22' 39.18"

END PROJECT  
C. FLETCHER AVENUE  
N 28° 4' 9.23"  
W 82° 22' 36.39"

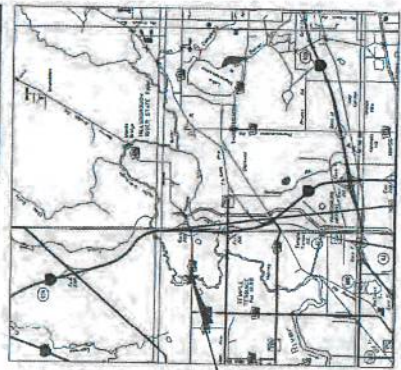
LOCATION MAP  
SECTION 2, TOWNSHIP 28S, RANGE 19E  
SECTION 11, TOWNSHIP 28S, RANGE 19E

FINAL PLANS

DATE	BY	DESCRIPTION

22-030

CIP NO.	FISCAL SHEET YEAR	SHEET NO.
6212079	22	1



THE BOARD OF COUNTY COMMISSIONERS

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COMMISSIONER  
HARRY COHEN  
COMMISSIONER  
KEN HAGEN

PLANS PREPARED BY:

AYRES ASSOCIATES  
8875 HIDDEN RIVER PARKWAY, SUITE 200  
TAMPA, FL 33637  
(813) 978-8688

CONTRACT NO: RPS 6059  
VENDOR NO: 7001967  
CERTIFICATE OF AUTHORIZATION NO: 4356

ENGINEER OF RECORD: HISHAM N. SUNNA, P.E.  
P.E. NO: 52114

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION

COUNTY C.I.P. PROJECT MANAGER: JAN BHART, PE

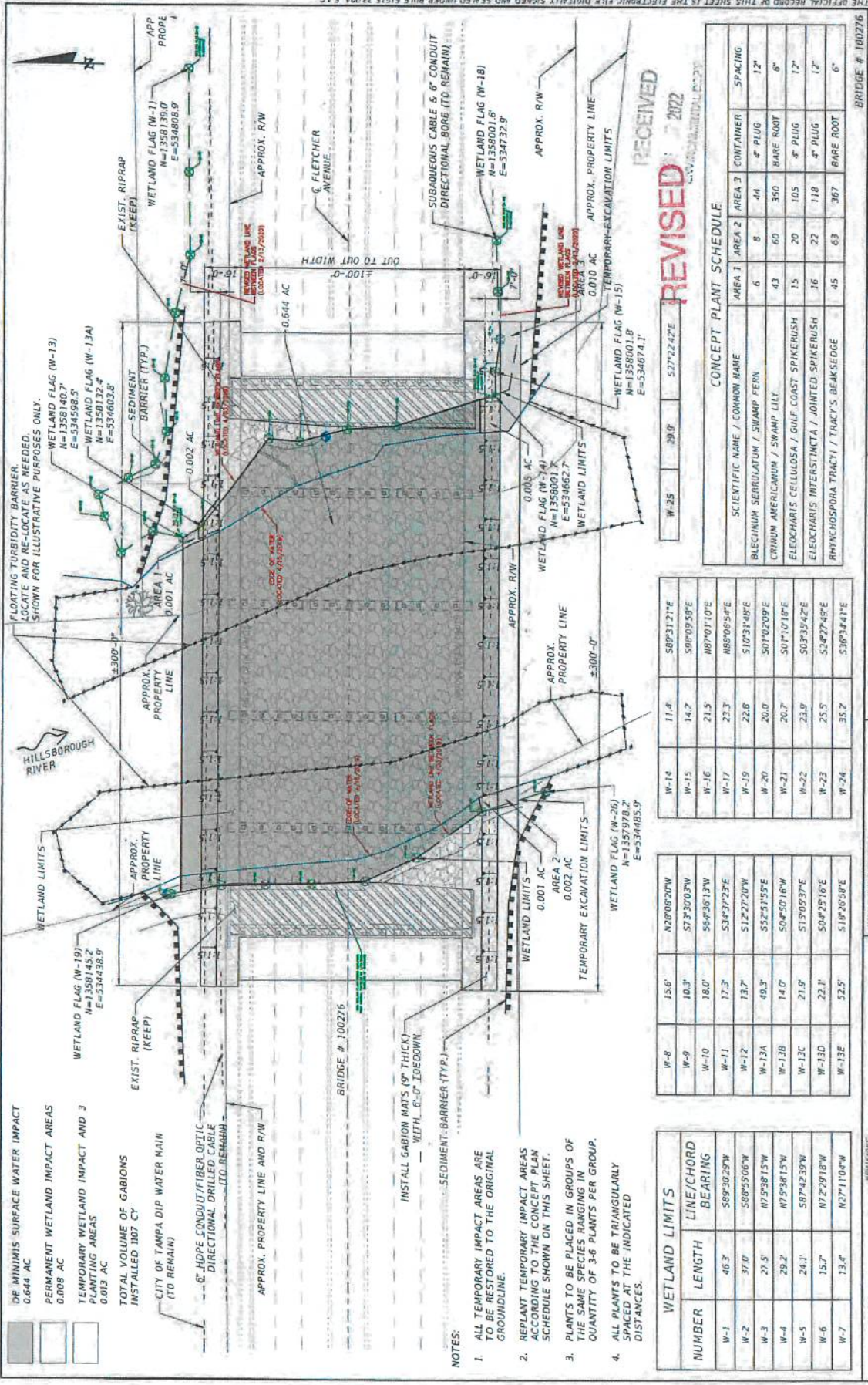
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CONCEPT PLANT SCHEDULE

SCIENTIFIC NAME / COMMON NAME	AREA 1	AREA 2	AREA 3	CONTAINER	SPACING
BLETTINUM SERRULATUM / SWAMP PERN	6	8	44	4" PLUG	12"
CRINUM AMERICANUM / SWAMP LILY	43	60	350	BARE ROOT	6"
ELEOCHARIS CELLULOSA / GRUF COAST SPIKERUSH	15	20	105	4" PLUG	12"
ELEOCHARIS INTERSTINCTA / JOINTED SPIKERUSH	16	22	118	4" PLUG	12"
RHYCHOSPORA TRACTI / TRACY'S BEAKSEEDGE	45	63	367	BARE ROOT	6"

WETLAND LIMITS	NUMBER	LENGTH	LINE/CHORD BEARING
W-8	15.6'	N20°08'20"W	
W-9	10.3'	S73°30'03"W	
W-10	18.0'	S64°36'13"W	
W-11	17.3'	S34°37'23"E	
W-12	13.7'	S12°27'20"W	
W-13A	49.3'	S52°51'55"E	
W-13B	14.0'	S04°50'16"W	
W-13C	21.9'	S15°05'37"E	
W-13D	22.1'	S04°25'16"E	
W-13E	52.5'	S18°26'58"E	
W-14	11.4'	S69°31'21"E	
W-15	14.2'	S98°09'58"E	
W-16	21.9'	N87°07'10"E	
W-17	23.3'	N89°06'54"E	
W-19	22.8'	S10°31'49"E	
W-20	20.0'	S07°02'09"E	
W-21	20.7'	S07°10'18"E	
W-22	23.9'	S03°39'42"E	
W-23	25.5'	S24°27'44"E	
W-24	35.2'	S36°34'41"E	

WETLAND LIMITS	W-25	39.0'	S27°22'42"E
W-25	39.0'	S27°22'42"E	

BRIDGE # 10021/6

FLETCHER AVE. OVER HILLSBOROUGH RIVER

CIP NO. 62120179

SHT. NO. B-3

WETLAND IMPACTS

AVRES ASSOCIATES  
8025 HIDDEN RIVER PKWY, SUITE 200  
TAMPA, FL 33637 PHONE: 813-378-6688  
CERTIFICATE OF AUTHORIZATION 4336

HISHAM N. SUNNA, P.E. # 5214

PUBLIC WORKS DEPARTMENT  
TECHNICAL SERVICES DIVISION  
601 E. KENNEDY BLVD.  
TAMPA, FLORIDA 33609

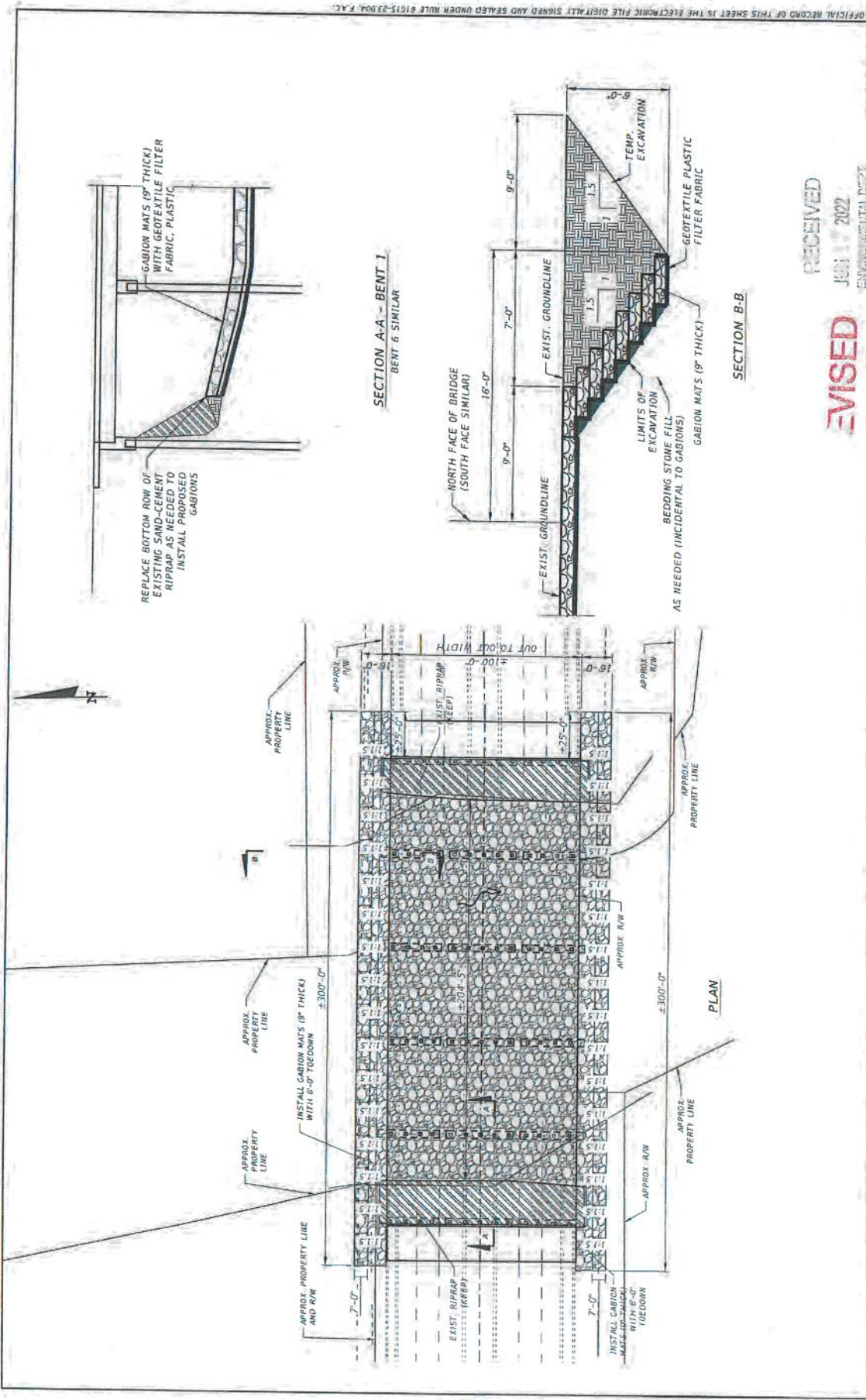
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4/16/2022 2:16:28 PM

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



DATE	DESCRIPTION	REVISION	DATE	DESCRIPTION	BRIDGE #	CIP NO.	SHT. NO.
					1002716	62120179	B-4
					FLETCHER AVE. OVER HILLSBOROUGH RIVER		
					<b>GABION MAT DETAILS</b>		
					PUBLIC WORKS DEPARTMENT TECHNICAL SERVICES DIVISION 601 E. KENNEDY BLVD. TAMPA, FLORIDA 33602		
					Hillsborough County Engineering		
					AVRES ASSOCIATES 8875 HIDDEN RIVER PKWY., SUITE 200 TAMPA, FL 33637 PHONE: 813-978-8688 CERTIFICATE OF AUTHORIZATION 4356 PISHAM N. SUNNIA, P.E.# 5214		
					RECEIVED JUN 17 2022 ENGINEERING DEPT		



**Hillsborough River  
Interlocal Planning Board  
& Technical Advisory Council**

**Agenda Item 7. H. Minor Work Permit No. 22-038, (TPA)**

**Attachments:**

1. Minor Work Permit Application



Plan Hillsborough  
[planhillsborough.org](http://planhillsborough.org)  
[planner@plancom.org](mailto:planner@plancom.org)  
813 - 272 - 5940  
601 E. Kennedy Blvd  
18<sup>th</sup> floor  
Tampa, FL, 33602





June 21, 2022

Mr. Shawn College  
Hillsborough-City Planning Commission  
County Center, 18<sup>th</sup> Floor  
PO Box 1110  
Tampa, FL 33601  
(Via Email: [colleges@plancom.org](mailto:colleges@plancom.org))

**Minor Work Permit Application No.: 22-038**

**Applicant: Hillsborough County Public Works Dept.**

**Project: Proposed Replacement of North & South Fenders System Located At Platt Street Bridge (No. 105500), Tampa, FL; Hillsborough River; STR 24-29S-18E; City of Tampa**

Enclosed is a Tampa Port Authority, d/b/a Port Tampa Bay (PTB), minor work permit application for proposed marine construction under the Hillsborough River for inclusion in the agenda for the next Hillsborough River Technical Advisory Council.

Please review the application and if you have any objections to the issuance of a permit for this project, please submit them in writing to the PTB Environmental Department within fourteen (14) days of receipt of this letter **at 1101 Channelside Dr., Tampa, FL 33602 or via Basecamp email**. Please contact us at 813-905-5033 or [jjulien@tampaport.com](mailto:jjulien@tampaport.com) / [bbaity@tampaport.com](mailto:bbaity@tampaport.com) if you have any questions regarding this proposal.

Sincerely,

*Jackelyn Julien*

Jackie Julien  
Environmental Supervisor  
Port Tampa Bay

CC: File (22-038)

Enclosures



May 27, 2022

Jackie Julien  
Port Tampa Bay  
Dept. of Environmental Affairs  
1101 Channelside Dr.  
Tampa, FL 33602

**RE: Platt Street Bridge over Hillsborough River, Fender System Replacement  
Minor Work Permit Application**

Dear Ms. Julien,

On behalf of the Hillsborough County Public Works Department, HDR Engineering is pleased to submit a Minor Work Permit Application for a fender system replacement associated with the Platt Street Bridge over the Hillsborough River. My colleague, Chip Messenkopf, PWS, Senior Environmental Scientist, has been in communication with you regarding the project. As you requested, we have enclosed the correspondences from the U.S. Army Corps of Engineers and the U.S. Coast Guard confirming that no permits will be required for this project from either agency. Also enclosed please find a project location map, the Minor Work Permit Application, and the construction plans. In addition, enclosed are two checks, one for \$100 written to Tampa Port Authority to cover the Port Tampa Bay application fee and the other for \$150 written to Hillsborough County Environmental Protection Commission (EPC) for their review fee.

Hillsborough County is currently still working remotely and is unable to notarize the permit application at this time. For this reason, they are requesting an exemption from notarizing the permit application.

Thank you for your time conducting this application review. If you have any questions please contact me at (813) 833- 1527 or by email at [Voni.Moore@hdrinc.com](mailto:Voni.Moore@hdrinc.com).

Sincerely,

HDR Engineering, Inc.

Voni Moore  
Environmental Scientist II

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Enclosure: Check to Port Tampa Bay  
Check to Hillsborough County Environmental Protection Commission  
Project Location Map  
Port Tampa Bay Minor Work Permit Application  
U.S. Army Corps of Engineers & U.S. Coast Guard Correspondences  
Construction Plans



PORT TAMPA BAY

ENVIRONMENTAL DEPARTMENT  
1101 Channelside Dr. Tampa, FL 33602  
Ph: (813) 905-5031 - Fax: (813) 905-5050  
www.tampaport.com

# MINOR WORK PERMIT APPLICATION TO PERFORM WORK IN WATERS OF THE HILLSBOROUGH COUNTY PORT DISTRICT

For Official Use Only: Application # 22-039

Date Received: \_\_\_\_\_

NEW

PERMIT REVISION

AFTER-THE-FACT W/N# \_\_\_\_\_

## SECTION I

### 1. MINOR WORK PERMIT APPLICATION - Brief Project Description:

The Hillsborough County Public Works Department is proposing to replace the fender system for the Platt Street Bridge over the Hillsborough River.

### 2. PROPERTY OWNER / APPLICANT INFORMATION

Request to be present at site inspection

First Name: Leland

Last Name: Dicus, P.E.

Company Name/Title: Hillsborough County Public Works Department

Mailing Address: 601 E. Kennedy Blvd.

City: Tampa

State: FL

Zip Code: 33602

Telephone Number: (813) 307-1841

Email Address: DicusL@hillsboroughcounty.org

### 3. AUTHORIZED AGENT INFORMATION

Request to be present at site inspection

First Name: Voni

Last Name: Moore

Company Name/Title: HDR Engineering, Inc.

Mailing Address: 4830 W. Kennedy Blvd., Suite 400

City: Tampa

State: FL

Zip Code: 33609

Telephone Number: (813) 282-2425

Email Address: vonimoore@hdrinc.com

### 4. CONTRACTOR INFORMATION

Request to be present at site inspection

First Name: \_\_\_\_\_

Last Name: \_\_\_\_\_

Company Name/Title: N/A. The contractor will be selected by the County through a procurement process.

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip Code: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

## SECTION II

### 1. LOCATION OF PROPOSED PROJECT

Site Street Address: Platt Street Bridge over Hillsborough River

- North + South Fenders

City: Tampa

State: FL

Zip Code: 33602

Folio Number(s): Bridge # 105500

Section: 24

Township: 29S

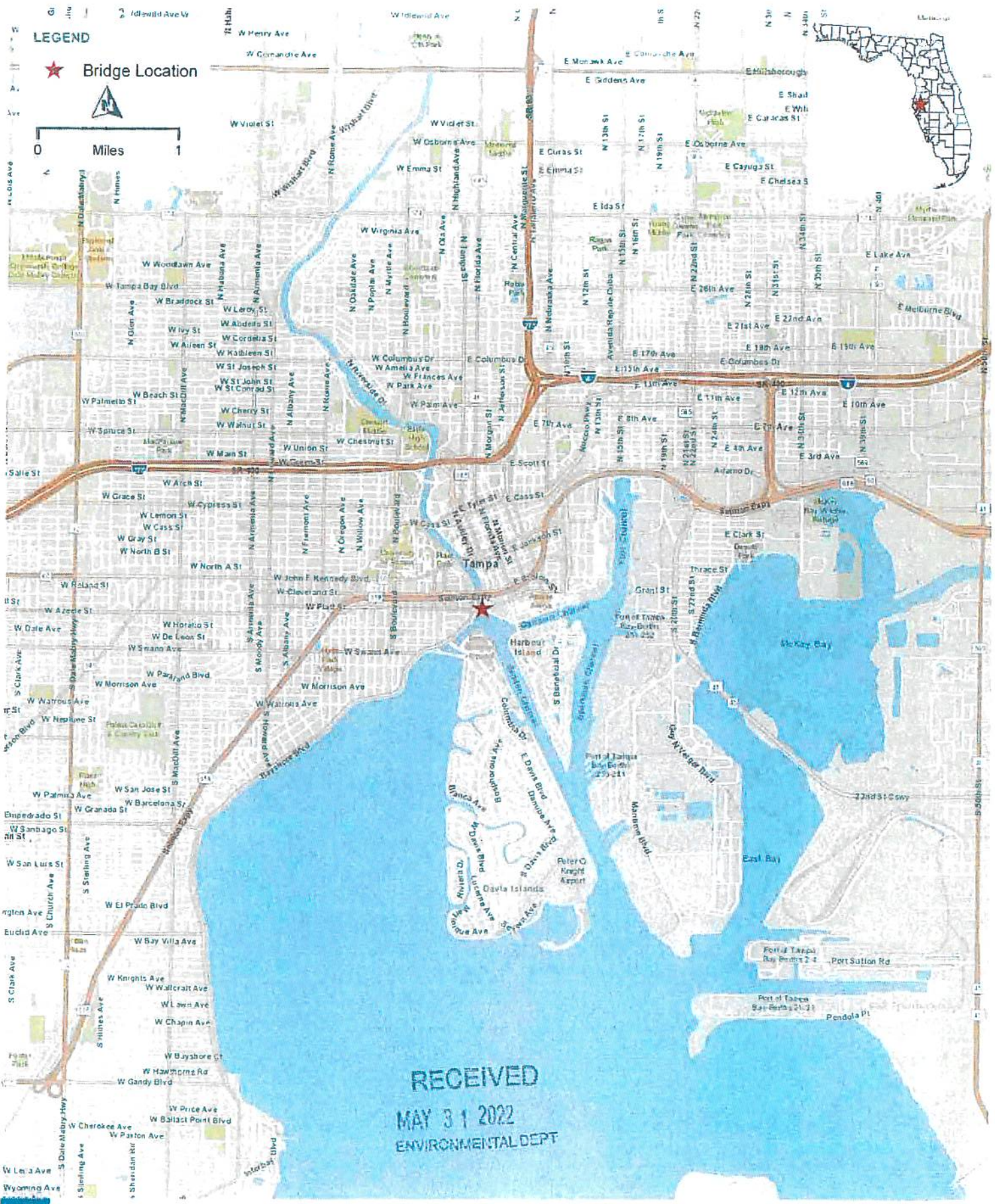
Range: 18E

Name of Water Body at Project: Hillsborough River

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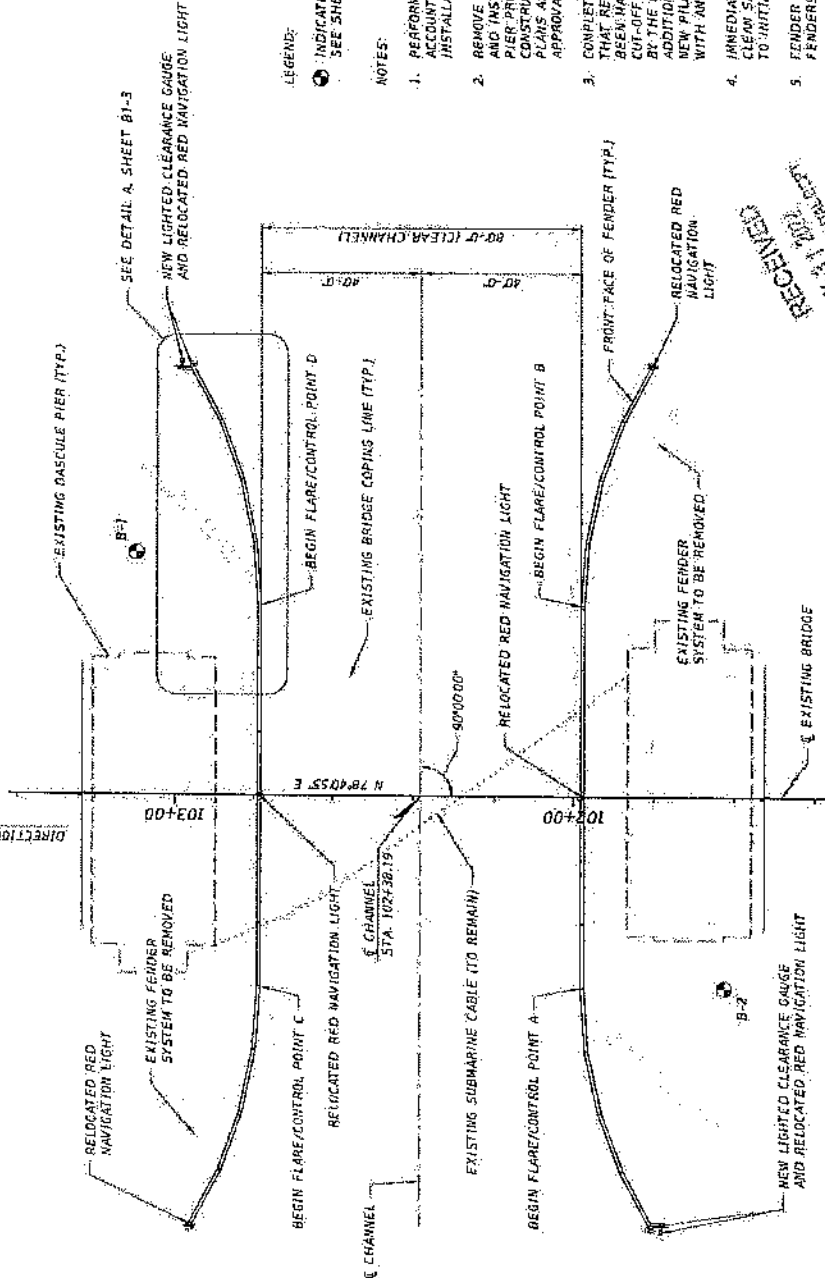


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**PROJECT LOCATION MAP**  
**PLATT STREET BRIDGE, BRIDGE NO. 105500**

EXISTING BRIDGE CONTROLS			
STATION	NORTHING (Y)	EASTING (X)	
100+06.80	1317260.4815	802927.8325	
105+32.80	1317264.8931	508448.5074	



FENDER CONTROL POINT DATA			
CONTROL POINT	STATION	OFFSET	
A	STA. 101+98.19	48.00' LT.	
B	STA. 101+98.19	48.00' RT.	
C	STA. 102+78.19	48.00' LT.	
D	STA. 102+78.19	48.00' RT.	

- LEGEND:
- INDICATES APPROXIMATE LOCATION OF SPT BORING. LOCATION OF SPT BORING FOR BORING DATA SEE SHEET B1-7.
- NOTES:
- PERFORM FIELD SURVEY PRIOR TO DESIGNING FENDER SYSTEM TO ACCOUNT FOR ANY FIELD CONDITIONS THAT MAY HINDER PILE INSTALLATION OR OTHER CONSTRUCTION ACTIVITIES.
  - REMOVE EXISTING FENDER SYSTEM (PILES, WALES, AND CATWALK) AND INSTALL THE NEW FENDER SYSTEM IN PHASES SUCH THAT PIER PROTECTION IS PROVIDED CONTINUOUSLY DURING CONSTRUCTION. SUBMIT REMOVAL AND CONSTRUCTION PHASING PLANS AS PART OF THE SHOP DRAWINGS FOR REVIEW AND APPROVAL.
  - COMPLETELY EXTRACT EXISTING FENDER PILES. EXISTING PILES THAT RESIST EXTRACTION AFTER ALL REASONABLE EFFORTS HAVE BEEN MADE TO THE SATISFACTION OF THE ENGINEER, MUST BE CUT-OFF 4-FT. BELOW THE MUDLINE AND ABANDONED AS DIRECTED BY THE ENGINEER. SEE REPORT OF CORE BORINGS SHEET FOR ADDITIONAL INFORMATION ON LOOSE SOIL CONDITIONS. INSTALL THE NEW PILES AS DIRECTED BY THE ENGINEER, AVOIDING CONFLICT WITH ANY ABANDONED PILES.
  - IMMEDIATELY BACKFILL HOLES LEFT BY EXTRACTED PILES WITH CLEAN SAND. PRIOR TO EXTRACTING ADDITIONAL PILES AND PRIOR TO INITIATION OF DRIVING ANY NEW PILES.
  - FENDER CONTROL POINT DATA IS GIVEN ALONG FRONT FACE OF FENDERS.
  - THE EXISTING BRIDGE-MOUNTED NAVIGATION LIGHTS (NOT SHOWN) ARE TO REMAIN.
  - THE EXISTING FENDER-MOUNTED NAVIGATION LIGHTS MUST BE RELOCATED TO THE NEW FENDER SYSTEM. SEE THE GENERAL NOTES FOR ADDITIONAL INFORMATION.

BRIDGE NO. 105500

PLATT STREET BRIDGE FENDER SYSTEM	CIT. NO.	SHT. NO.
FENDER SYSTEM 1 OF 6	62120.154	B1-1

CAPITAL PROGRAMS DEPARTMENT  
 CIVIL ENGINEERING DIVISION  
 HILLCBOROUGH COUNTY, FLORIDA 34628

FOR PERMITTING ONLY

CHRISTOPHER J. CROWELL, P.E.  
 P.E. LICENSE NUMBER 6051  
 PAUL GREENE & ASSOCIATES, LLC  
 1209 TELECOM DRIVE  
 TAMPA, FLORIDA 33607

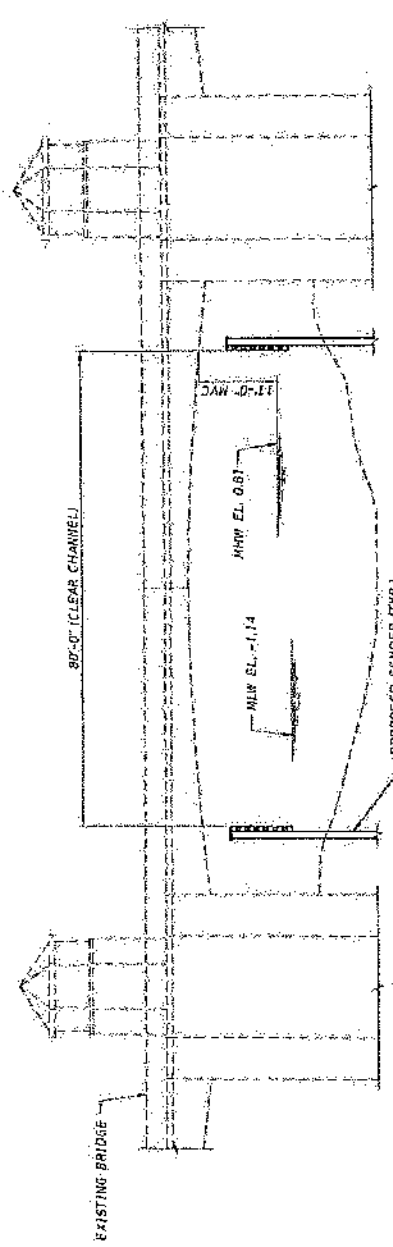
DATE	REVISIONS	DESCRIPTION

22.05.20

SCHEMATIC PLAN

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 MAY 3 2010  
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SCHMATIC ELEVATION

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 MAY 3 2011  
 CIVIL ENGINEERING

NOTE:  
 1. EXISTING FENDER SYSTEM, RELOCATED, RED NAVIGATION LIGHTS, AND NEW LIGHTED CLEARANCE GAUGE NOT SHOWN. SEE SHEET B1-1 FOR ADDITIONAL INFORMATION.

22

FOR PERMITTING ONLY

CHRISTOPHER J. CROWNELL, P.E.  
 P.E. LICENSE NUMBER 64751  
 PATEL, GREENE & ASSOCIATES, LLC  
 12200 TELECOM DRIVE  
 TEMPLE TERRACE, FL 33637

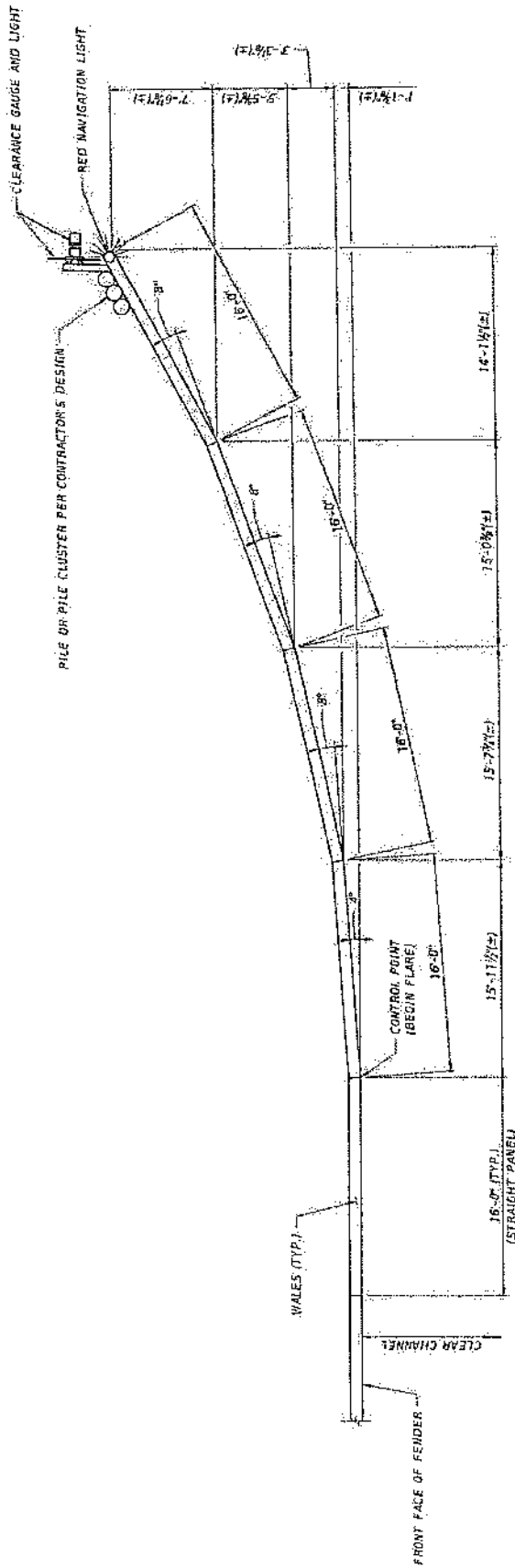


CAPITAL PROGRAMS DEPARTMENT  
 601 E. KENNEDY BLVD.  
 HILLSBOROUGH TAMPBA, FLORIDA 33603  
 County Road

BRIDGE NO. 105500	CIP NO.	SHEET NO.
PLATT STREET BRIDGE-FENDER SYSTEM	62120.154	B1-2
FENDER SYSTEM (2 OF 6)		

DATE	REVISION	DESCRIPTION





DETAIL A  
 FLARE AT CONTROL POINT D. SHOWN.  
 FLARES AT OTHER CONTROL POINTS SIMILAR.

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NOTE:  
 1. PILES, CATWALK AND EXISTING FENDER SYSTEM NOT SHOWN FOR CLARITY.

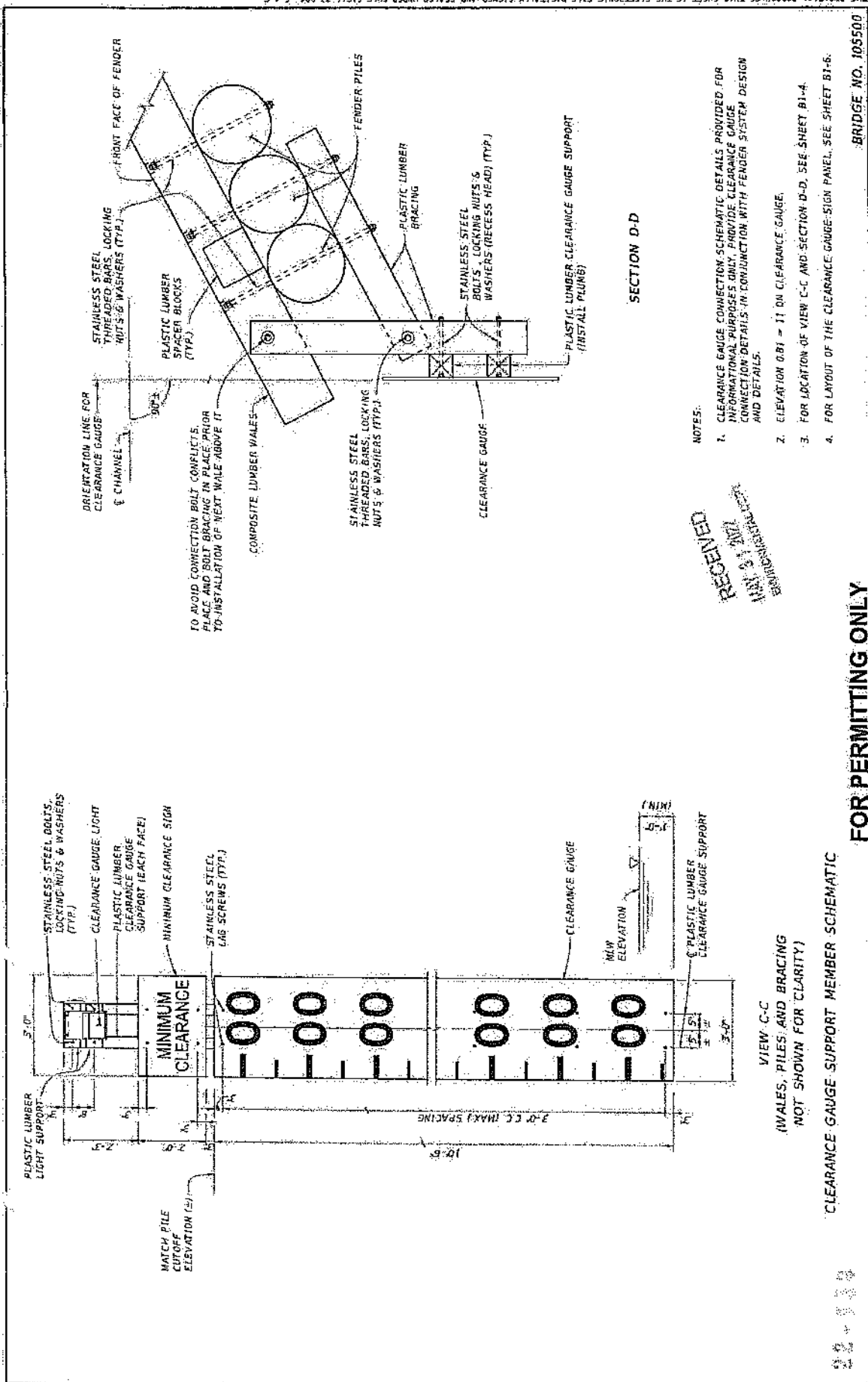
22

BRIDGE NO. 105500

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

CHRISTOPHER J. CORNWELL, P.E. CIVIL ENGINEER PAPER ENGINE & ASSOCIATES, LLC 12370 TELECOM DRIVE TAMPA TERRACE, FL 33637		CAPITAL PROGRAMS DEPARTMENT 601 E. KENNEDY BLVD. HILSDOROUGH, TAMPA, FLORIDA 34607 County Water	
PLATT STREET BRIDGE FENDER SYSTEM		CIP NO.	62120.154
FENDER SYSTEM (3 OF 6)		SHT. NO.	B1-3



<b>FOR PERMITTING ONLY</b> CHRISTOPHER J. CRENNWELL, P.E. P.E. LICENSE NUMBER 64751 C.J. CRENNWELL & ASSOCIATES, LLC 17250 W. BAYVIEW BLVD. TAMPA, FLORIDA 33613 TAMPA, FLORIDA, FL 33637		CAPITAL PROGRAMS DEPARTMENT 401 N. BRUNNEN RD. HILLSBOROUGH TAMP, FLORIDA 34608 County Permit	BRIDGE NO. 105500 CIP NO. 62120.154 SHEET NO. B1-5
PLATT STREET BRIDGE FENDER SYSTEM <b>FENDER SYSTEM '6 OF '6'</b>	RECEIVED ENGINEERING DEPARTMENT APR 13 2011	PLATT STREET BRIDGE FENDER SYSTEM <b>FENDER SYSTEM '6 OF '6'</b>	BRIDGE NO. 105500 CIP NO. 62120.154 SHEET NO. B1-5



**Hillsborough River  
Interlocal Planning Board  
& Technical Advisory Council**

**Agenda Item 7. I. Minor Work Permit No. 22-039, (TPA)**

**Attachments:**

1. Minor Work Permit Application



**Plan Hillsborough**  
[planhillsborough.org](http://planhillsborough.org)  
[planner@plancom.org](mailto:planner@plancom.org)  
813 - 272 - 5940  
601 E Kennedy Blvd  
18<sup>th</sup> floor  
Tampa, FL, 33602





PORT TAMPA BAY

ENVIRONMENTAL DEPARTMENT  
1101 Channelside Dr. Tampa, FL 33602  
Ph: (813) 905-5031 · Fax: (813) 905-5050  
www.tampaport.com

# MINOR WORK PERMIT APPLICATION TO PERFORM WORK IN WATERS OF THE HILLSBOROUGH COUNTY PORT DISTRICT

For Official Use Only: Application # 22-039 Date Received: \_\_\_\_\_

NEW       PERMIT REVISION       AFTER-THE-FACT      WN# \_\_\_\_\_

## SECTION I

### 1. MINOR WORK PERMIT APPLICATION - Brief Project Description:

Morris Bridge over Hillsborough River Scour Countermeasures Bridge maintenance consisting of channel armoring with articulating concrete block under the bridge and in the immediate vicinity of the bridge

### 2. PROPERTY OWNER / APPLICANT INFORMATION

Request to be present at site inspection

First Name: Leland      Last Name: Dicus  
Company Name/Title: Hillsborough County  
Mailing Address: 601 East Kennedy Boulevard, 22nd Floor  
City: Tampa      State: FL      Zip Code: 33602  
Telephone Number: \_\_\_\_\_  
Email Address: DicusL@HillsboroughCounty.org

### 3. AUTHORIZED AGENT INFORMATION

Request to be present at site inspection

First Name: Hisham      Last Name: Sunna  
Company Name/Title: Ayres Associates/Manager  
Mailing Address: 8875 Hidden River Parkway, Suite 200  
City: Tampa      State: FL      Zip Code: 33637  
Telephone Number: (813) 978-8688  
Email Address: sunnah@ayresassociates.com

### 4. CONTRACTOR INFORMATION

Request to be present at site inspection

First Name: \_\_\_\_\_      Last Name: \_\_\_\_\_  
Company Name/Title: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_      State: \_\_\_\_\_      Zip Code: \_\_\_\_\_  
Telephone Number: \_\_\_\_\_  
Email Address: \_\_\_\_\_

## SECTION II

### 1. LOCATION OF PROPOSED PROJECT

Site Street Address: Morris Bridge Rd at Hillsborough River (Bridge #100026 right-of-way)  
City: Tampa      State: FL      Zip Code: 33592  
Folio Number(s): N/A  
Section: 28, 33 (24)      Township: 27S (29S)      Range: 20E (18E)  
Name of Water Body at Project: Hillsborough River

\*Red Text = PTB staff notes, per engineering site plans & site visit with Agent. (JJ, PTB)

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22-039



2. PROPOSED USE

- Private Single-Family Dwelling
- Commercial
- Private Multi-Family Dwelling (Condominium, Apartment, etc.)
- Other (explain): Governmental

3. OWNER OF SUBMERGED LANDS:

Leased Port Property or Port Easement (Check box if applicable and attach information.)

4. PREVIOUS TAMPA PORT AUTHORITY PERMITS ISSUED AT THIS LOCATION:

Permit Number(s): \_\_\_\_\_ Date: \_\_\_\_\_

5. PROJECT DESCRIPTION

NOTE: Features and dimensions must be carefully shown on the required application drawings. Please review the attached guidelines provided to ensure that the drawings which you have prepared are acceptable.

NEW WORK = Proposed placement of channel armor matting / scour countermeasures.  
MAINTENANCE = Bridge maintenance work.

- NEW WORK
- MAINTENANCE
- ADDITION

1) DOCK, OBSERVATION DECK, PIER, OR ELEVATED BOARDWALK

- a. Length of Shoreline: \_\_\_\_\_ Linear Ft.
- b. Number of Proposed Docks: \_\_\_\_\_ No. of Boat Slips/Lifts: \_\_\_\_\_ / \_\_\_\_\_
- c. Length from M/OHW to Waterward Edge of Structure: \_\_\_\_\_ Ft.
- d. Width of Structure: \_\_\_\_\_ Ft. Mooring Water Depth at M/OLW: \_\_\_\_\_ Ft.
- e. Existing Structure Area: \_\_\_\_\_ Sq. Ft.
- f. Proposed Structure Area: \_\_\_\_\_ Sq. Ft.
- g. Overall Area of Facility: \_\_\_\_\_ Sq. Ft.

2) SEAWALLS, RIP-RAP, REVETMENTS OR OTHER SHORELINE STABILIZATION: *Articulated Concrete Block Mat Structure proposed.*

- a. Length of Shoreline at Site: ea side 72 Linear Ft.
- b. Length of Work Proposed along Shoreline: ea side 72 Linear Ft.
- c. Seawall Vertical Height: \_\_\_\_\_ Ft.
- d. Rip-Rap Slope: Horizontal Distance: level Ft.; Vertical Height: .375 Ft.
- e. Type of Material: Articulating Concrete Block 4.5 inches thick meeting FDOT Standard Specifications
- f. Volume: 5800 Cubic Ft. Below MHW/OHW *+/- 215 CY Block Mat/ 0.335 ac Permanent Wetland Impact Area*

3) OTHER TYPE OF STRUCTURE: (Please Explain) \_\_\_\_\_

*\*For Utility Pipeline Projects: Refer to the Guidelines and Engineering Standards for Submerged Land Utility Crossing*

B. DREDGING / EXCAVATION

- NEW WORK
- MAINTENANCE *+/- 215 CY excavate for 4.5-inch thick concrete block mat.*

1) DIMENSIONS OF AREAS TO BE DREDGED / EXCAVATED:

- a. Length: 204.25 Ft. Width 86 Ft.; Total Area: 14592 Sq. Ft.
- b. Depths: Existing 4.5 inches; Proposed 4.5 inches
- c. Volume: Above MHW 0; Below MHW 5800; Total 5800 Cubic Ft.
- d. Area: Above MHW 0; Below MHW 14592; Total 14592 Sq. Ft.

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22-239

- 2) TYPE OF MATERIAL: Sand  
 3) STORAGE OF MATERIAL:  On-site Storage  Off-site Disposal Site: \_\_\_\_\_

*\*If material is to be taken off-site, describe the method of material storage, haul routes, and specify the location with an attached Affidavit of Authorization from the disposal site's property owner, as applicable to the project.*

C. FILLING **+/- 215 CY filling of submerged lands for placement of 4.5-inch thick concrete block mat proposed.**

- 1) VOLUME: Above MHW 0 ; Below MHW 5800 ; Total 5800 Cubic Ft.  
 2) AREA: Above MHW 0 ; Below MHW 14592 ; Total 14592 Sq. Ft.  
 3) CONTAINMENT: Seawall \_\_\_\_\_ Dikes \_\_\_\_\_ Other (explain): tied mats  
 4) TYPE OF MATERIAL: articulating concrete block with filter fabric underlayment  
 5) SOURCE OF MATERIAL:  On-site  Off-site: \_\_\_\_\_

*\*Refer to the Fill Checklist for material sampling requirements and other applicable information.*

6. WORK SCHEDULE: To Begin Project On: 10/01/2022 And Be Completed By: 12/30/2023

**REMARKS / COMMENTS FOR PROJECT:**

The proposed bridge repair channel armoring are necessary to improve the structural integrity of the bridge to ensure public health and safety and is therefore in the publics interest. The installation of articulating concrete block mattress will protect the bridge from scour. The bridge has been designated as scour critical by FDOT, requiring the installation of scour countermeasures to protect the bridge substructure.

**SECTION III**

PROJECT SITE ADJACENT RIPARIAN PROPERTY OWNERS:  
 (Please include Name, Address, Telephone Number, and Email)

SOUTHWEST FLORIDA WATER MANAGEMENT

Owner Name(s)

DISTRICT (SWFWMD)

Company Name/ Title

2379 BROAD ST

Mailing Address

BROOKSVILLE, FL 34604-6899

City; State; Zip Code

Telephone Number/Email

\_\_\_\_\_  
 Owner Name(s)

\_\_\_\_\_  
 Company Name/ Title

\_\_\_\_\_  
 Mailing Address

\_\_\_\_\_  
 City; State; Zip Code

\_\_\_\_\_  
 Telephone Number/Email

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## TECHNICAL MEMORANDUM

**Date:** Wednesday, July 3, 2019  
**To:** Hisham Sunna  
**From:** Scott Emery, Ph.D.  
Nigel Lewis, PE  
**RE:** Wetland Assessment – Hillsborough River at Morris Bridge Road  
**Project Title:** Hillsborough County Bridge Rehabilitation  
**HSW Project No:** 1CM601101

### 1.1 INTRODUCTION

Hillsborough County (County) is investigating several engineered technologies which prevent erosion and scouring under bridges at river and creek crossings. A total of four waterway crossings were selected to test each scouring protection technology. HSW Engineering, Inc. (HSW) was contracted by Ayres Associates (Ayres) to delineate the wetlands near to the selected bridge abutments based on vegetation, soils, and hydrologic observations. The wetland delineation will become permit support material for installation of the scouring control technologies. Observations made during the field event(s) are included in this memorandum.

The four bridge locations selected are:

- Hillsborough River at Fletcher Avenue
- Hillsborough River at Morris Bridge Road
- Bassett Branch at Morris Bridge Road
- New River at Morris Bridge Road

Observations, photos, and maps documented in this memorandum relate to the field event at Hillsborough River at Morris Bridge Road. General methodology and process included applies to all four sites.

### 1.2 REGULATIONS

The Florida Department of Environmental Protection (FDEP) regulations compiled within Chapter 62-340 F.A.C. and the Hillsborough County Environmental Protection Commission (EPC) Basis of Review for Authorization of Activities Pursuant to Chapter 1-11 – Wetlands documents were utilized as guidance for this work.

The landward extent (i.e., the boundary) of wetlands shall be determined by applying reasonable scientific judgment to evaluate the dominance of plant species, soils, and other hydrologic evidence of regular and periodic inundation and saturation (Chapter 62-340.300, Delineation of Wetlands).

The landward extent of a surface water shall be the more landward of the following (pertaining to non-tidal rivers and streams): Wetlands as located by Rule 62-340.300, F.A.C.; or the Ordinary High Water Line (OHWL) for non-tidal natural water bodies (Chapter 62-340.600, Surface Waters).

The Florida Statutes do not define the OHWL; however, the Florida Supreme Court established criteria for determining the location of the OHWL for navigable, non-tidal lakes and rivers in two Florida Supreme Court cases: Tilden v. Smith<sup>13</sup> and Martin v. Busch<sup>14</sup>. In the Tilden case, the Supreme Court provided a lengthy definition/description, a portion of which reads:



*"In the case of fresh water rivers and lakes—in which there is no ebb and flow of the tide but which are subject to irregular and occasional changes of height without fixed quantity or time except that they are periodical, recurring with the wet or dry seasons of the year—high water mark as a line between a riparian owner and the public, is to be determined by examining the bed and the banks and ascertaining where the presence and action of the water are so common and usual and so long continued in all ordinary years as to mark upon the soil of the bed a character distinct from that of the banks in respect to vegetation, as well as to the nature of the soil itself."*

Chapter 1-11, Rules of the Environmental Protection Commission of Hillsborough County, EPC has adopted the statewide methodology used for determining the landward extent of wetlands and other surface waters to establish the applicable EPC jurisdiction for impacts prohibited under Section 1-11.05. This methodology is used to identify the interface between surface waters, including wetlands, and uplands to review and verify the avoidance of direct and secondary impacts to wetlands or other surface waters.

### 1.3 METHODOLOGY

The field investigation was performed over two days (April 3<sup>rd</sup> and 5<sup>th</sup>, 2019) by an HSW senior environmental scientist, in coordination with a crew from MacSurvey. The project scope designates that the wetland delineations occur within 30-50 feet of each abutment on both sides of the bridge. Professional judgement was used to determine when the 50-foot buffer was not adequate to delineate a wetland edge. HSW utilized the best combination of soils, vegetation, water marks, scarps, debris lines, and other hydrologic indicators to delineate the OHWL near each bridge abutment. Multiple physical indicators were utilized when found.

#### 1.3.1 Soil Indicators

Approximating the OHWL using soils within 50 feet of each abutment was difficult. Most soil within these areas was disturbed by construction and maintenance activities. Extreme high-water events (e.g. hurricanes and tropical storms) have also caused soil scouring and sediment deposition under and around the bridges. Spoil mounds along the banks close to the bridges made estimating true top of bank (TOB) elevations difficult.

#### 1.3.2 Vegetative Indicators

Wetland line elevations (OHWL) generally decrease downstream from a bridge and increase upstream from the bridges. Vegetation underneath the bridges was largely absent. Within 50 feet of each abutment, vegetation appeared to be frequently maintained and influenced by run-off from the roadside swales on either side of the road. Where necessary, a vegetation assessment was performed up to 100 feet from the bridge abutment. Obligate and facultative wetland vegetation was utilized to help establish a line, when present (Table 1). On obligate species such as cypress, stain lines (not lichen lines) were employed at several locations.

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**Table 1. Wetland Indicator Plant Species**

Common Name	Latin Name	Category	Wetland Indicator
Bald cypress	<i>Taxodium distichum</i>	Obligate	Line is at or above outer cypress
			Stain lines on cypress
			Nearby soils hydric
Carolina willow	<i>Salix caroliniana</i>	Obligate	Line is at or above outer willow
Pop ash	<i>Fraxinus caroliniana</i>	Obligate	Line is at or above outer ash
Buttonbush	<i>Cephalanthus occidentalis</i>	Obligate	At or above outer bush
American elm	<i>Ulmus americana</i>	Facultative wet	Closer to wetland edge
Red maple	<i>Acer rubrum</i>	Facultative wet	Closer to wetland edge
Swamp laurel oak	<i>Quercus laurifolia</i>	Facultative wet	Closer to wetland edge
Cabbage palm	<i>Sabal palmetto</i>	Facultative	Can be above wetland edge

### 1.3.3 Other Indicators

Additional indicators were used as evidence of an OHWL. Scarp elevations, debris lines, and water stain lines on the bridge structures themselves were all utilized.

### 1.3.4 OHWL Determination

To establish a final OHWL, an estimated elevation was determined for each indicator type. Elevations were compared for consistency, and outlier indicators were re-examined for possible man-induced alterations. For example, a mature cypress with a base elevation higher than nearby trees or other hydrologic indicators was re-examined for evidence of fill material around the tree base.

Once an indicator was deemed reliable and consistent, a numbered pin flag was placed at that elevation. A stain line indicator, under a bridge, was marked with a permanent ink marker. All areas surrounding the bridge crossing within 50-100 feet were studied and marked with flags and/or permanent ink markers. The survey crew collected elevations and GPS coordinates of each flag or mark.

The surveyors presented their calculated elevations for each flag/mark to HSW on May 28, 2019 (**Attachment B**).

## 1.4 OBSERVATIONS

### HILLSBOROUGH RIVER AT MORRIS BRIDGE ROAD

The boardwalk location of the along the west bank presented a challenge for setting an OHWL. The estimated OHWL was roughly 3.0 feet above the water level at the bridge on April 3, 2019. Records from the USGS gage at this crossing report a mean gage height of 25.04 feet.

There is clear evidence of scouring at this location.

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Photo 1. Boardwalk plus pin flag line marker at Hillsborough River/Morris Bridge Road Bridge



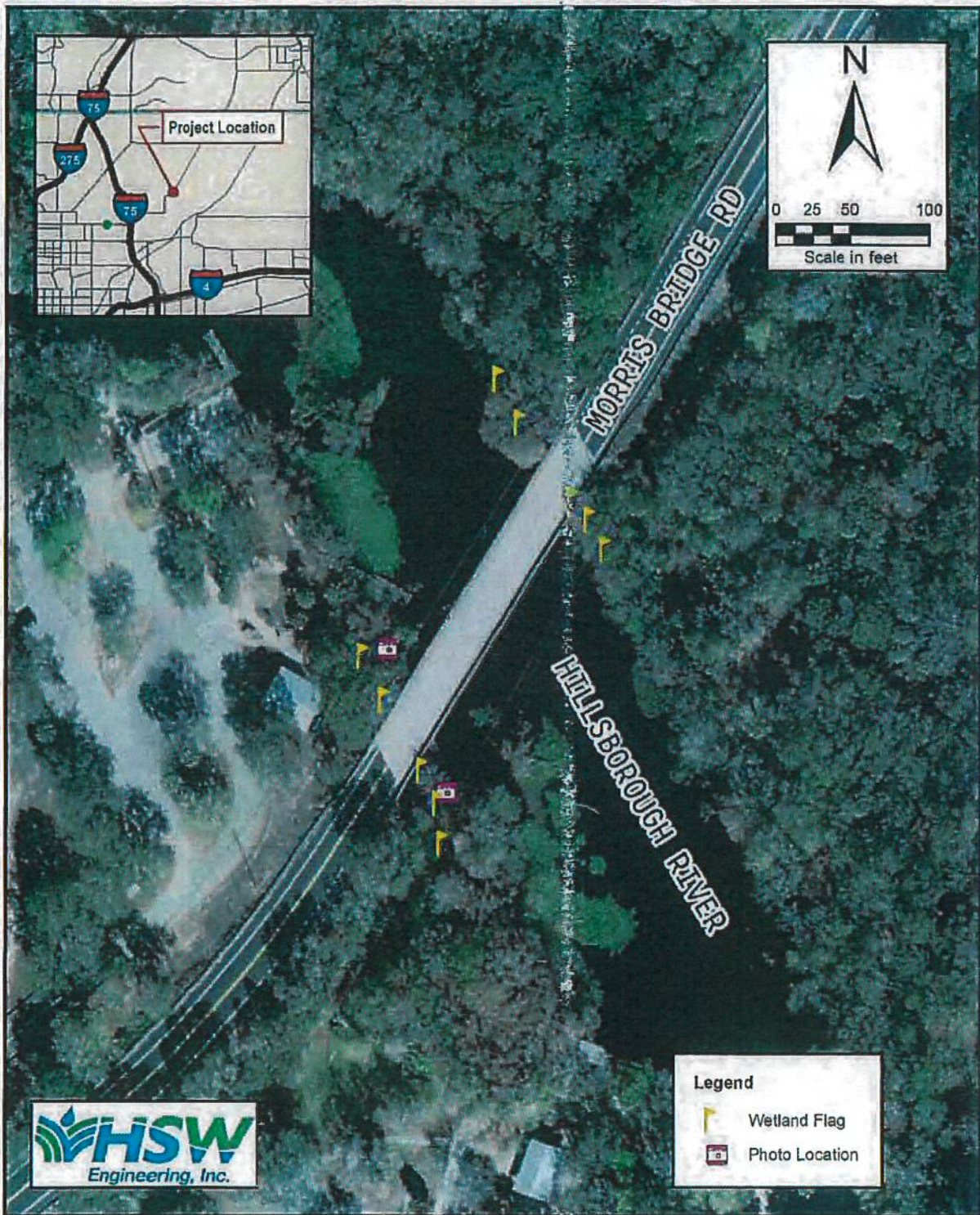
Photo 2. Subtle scarp from wave action underneath boardwalk

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22-050



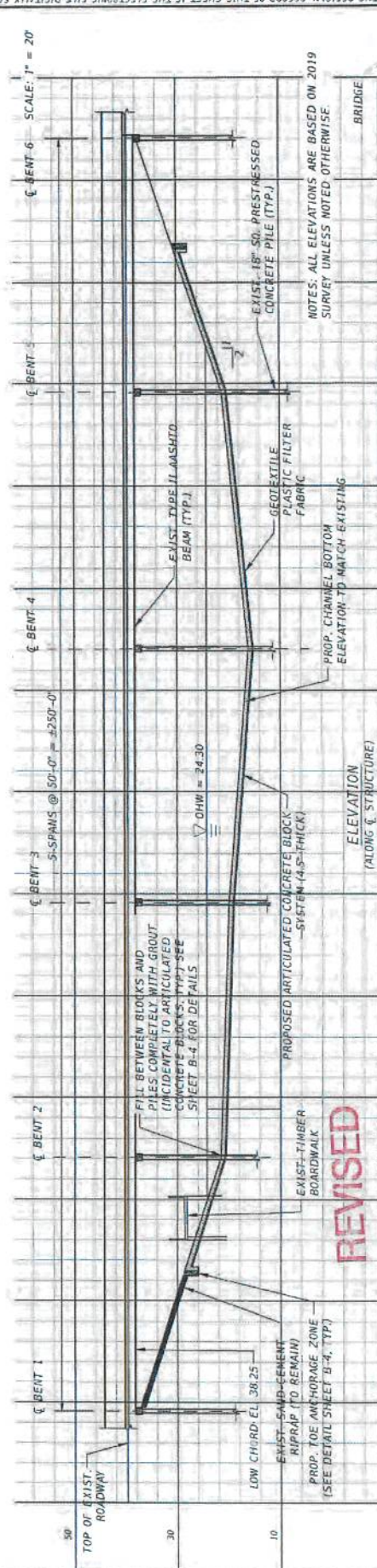
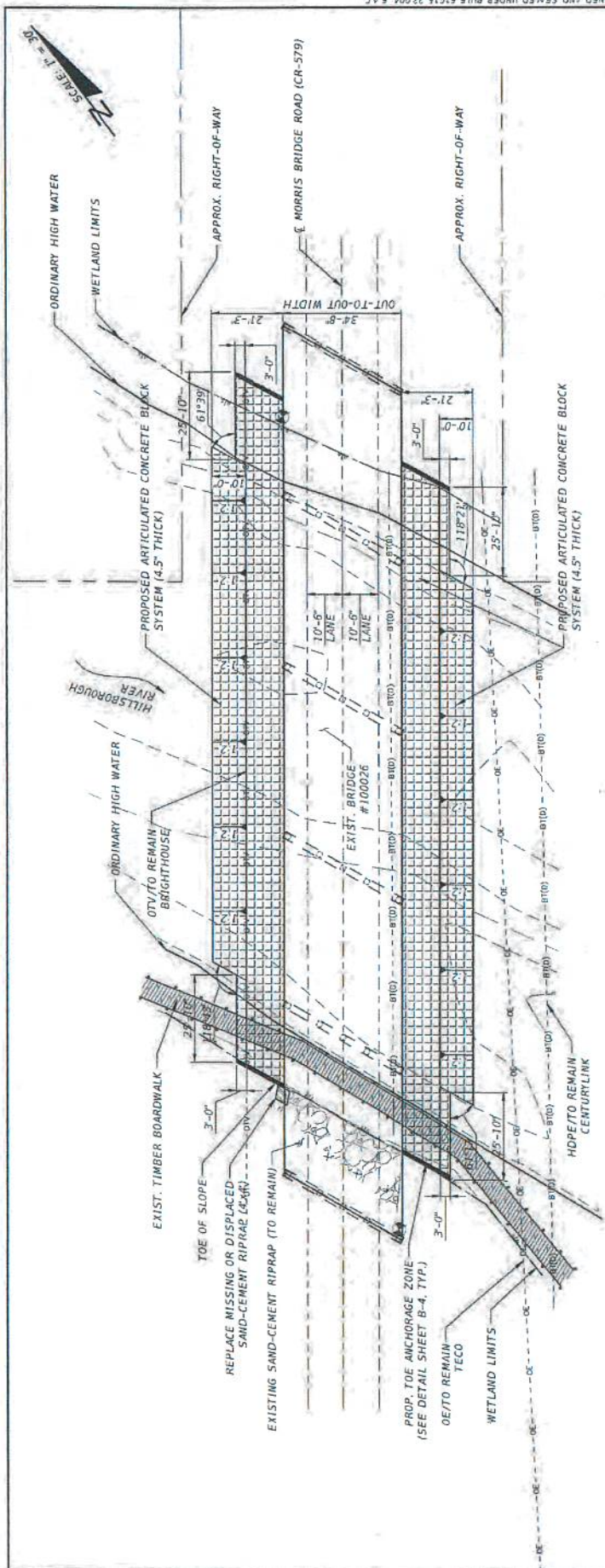
### HILLSBOROUGH RIVER AT MORRIS BRIDGE ROAD



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DATE	REVISIONS	DESCRIPTION	CIP NO.	SHT. NO.
JUN 23 2022	ENVIRONMENTAL DEPT.		62120182	B-2

AYRES ASSOCIATES  
8075 HIDDEN RIVER PKWY, SUITE 200  
FORT MYERS, FLORIDA 33908  
CERTIFICATE OF AUTHORIZATION 4356  
HISHAM N. SUNNA, P.E.# 52114

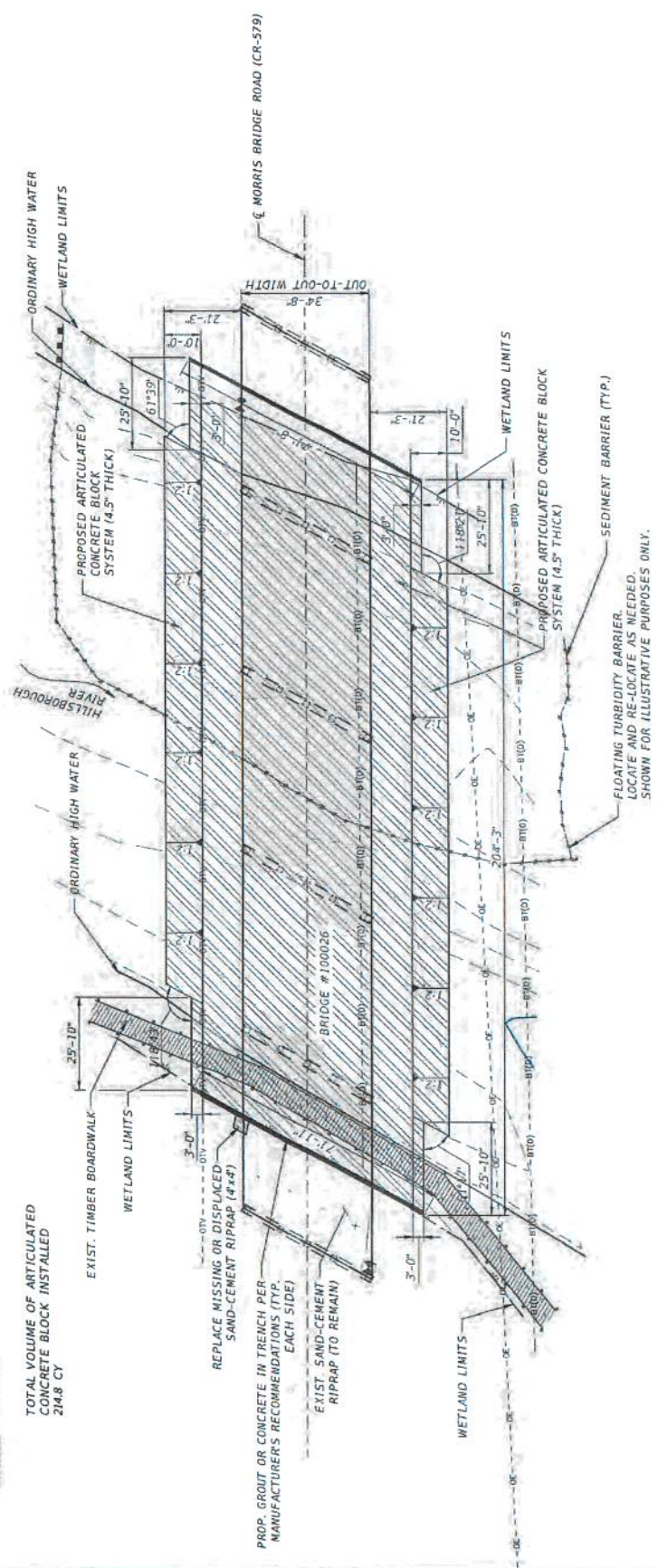
Hillsborough County Public Works Department  
TECHNICAL DIVISION  
TAMPA, FLORIDA 33608

MORRIS BRIDGE RD. OVER HILLSBOROUGH RIVER  
**PLAN AND ELEVATION**





TOTAL PERMANENT WETLAND IMPACT  
 0.335 AC  
 TOTAL VOLUME OF ARTICULATED  
 CONCRETE BLOCK INSTALLED  
 214.8 CY



PLAN

**REVISED**

DATE	DESCRIPTION	REVISIONS DATE	BRIDGE # 100026
			MORRIS BRIDGE RD. OVER HILLSBOROUGH RIVER
			CIP NO. 62120182
			SHT. NO. B-3
RECEIVED JUN 23 2022 ENVIRONMENTAL DEPT.			WETLAND IMPACTS
APRES ASSOCIATES 2000 HIGHLAND AVENUE, SUITE 200 TAMPA, FLORIDA 33633 PHONE: 813-978-8688 CERTIFICATE OF AUTHORIZATION 4336 HISHAM N. SUNNA, P.E. # 5274			PUBLIC WORKS DEPARTMENT TOWNSHIP SERVICES DIVISION 601 E. KENNEDY BLVD. TAMPA, FLORIDA 33608



**Hillsborough River  
Interlocal Planning Board  
& Technical Advisory Council**

**Agenda 8. A. River Stewardship Award Program October 27<sup>th</sup>,  
5pm**

**Attachments:**

Award Program Flyer



**Plan Hillsborough**  
[planhillsborough.org](http://planhillsborough.org)  
[planner@plancom.org](mailto:planner@plancom.org)  
813 - 272 - 5940  
601 E Kennedy Blvd  
18<sup>th</sup> floor  
Tampa, FL, 33602



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th Annual

# Planning & Design Awards

PRESENTED BY TECO

Thursday | 10.27.22

5:00 pm - 8:00 pm

Hosted by

**Brendan McLaughlin**

at the



*Winner of the  
Jan Abell Award for  
Outstanding Contribution to the  
Community in the Historic Preservation &  
Investment Categories at the Planning Commission's  
35th Annual Planning & Design Awards in 2017!*

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