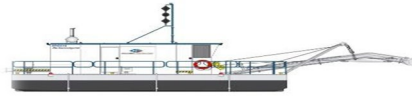




**Vanderbilt Waterway MSTU
Advisory Committee
8300 Radio Road
Naples, FL 34104**



MAY 5, 2022 10:00 AM

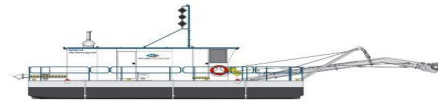
**Committee Members and Project Manager will meet at
Claussen Family Center at St. John's Church
625 111TH Ave., Naples, FL**

All others are encouraged to attend via Zoom video conference

- I. Call to order and Pledge of Allegiance**
- II. Attendance**
 - Advisory Committee Clint Cuny- Chair (2/12/25)
 Nancy Koeper Vice Chair (2/12/23)
 Vacant (2/12/23)
 Thomas M. Burke (2/12/25)
 Rob Talford (2/12/23)
 - Staff Harry Sells – PTNE Project Manager
 Michelle Arnold – PTNE Director
 - Transcriptionist Wendy Warren
- III. Welcome to New Member Rob Talford**
- IV. Approval of Agenda**
- V. Discussion on Allowing Thomas Burke Participate via Zoom**
- VI. Approval of Minutes – March 4, 2021**
- VII. Consideration of new member,- Pam Marsal Resignation April 15, 2022**
 - a. Charles Goodrich**
 - b. Charles Kelly**
 - c. Raymond Placid**
- VIII. Project Manager Report - Harry Sells**
 - A. Channel Status**
Procedure for future dredging.
 - B. Budget Report**
 - 1. FY 22 Budget Report
 - 2. Long Term Maintenance Plan
 - 3. FY 23 Proposed Budget Discussion
- IX. Old Business**
- X. New Business**
- XI. Public Comments**
- XII. Member Comments**
- XIII. Adjourn**

NEXT MEETING DATE: TO BE DETERMINED

**Vanderbilt Waterway MSTU
Advisory Committee
2399 East Tamiami Trail Suite 103
Naples, FL 34112**



MARCH 3, 2022 10:00 A.M.
8300 Radio Road
Naples FL 34104

I. Call to order and Pledge of Allegiance

The meeting was called to order by Chair Cuny at 10:00 AM. A quorum of four was present. The Pledge of Allegiance was recited.

II. Attendance

Advisory Committee	Clint Cuny - Chair Pam Marsal – Vice Chair Thomas M. Burke Nancy Koeper Vacancy
Staff	Harry Sells – Project Manager Michelle Arnold – PTNE Director Rosio Garcia – Operations Coordinator
Transcriptionist	Wendy Warren - Premier Staffing

III. Approval of Agenda

Chair Cuny moved to approve the March 3, 2022, Agenda of the Vanderbilt Waterway M.S.T.U. as amended:

Add: V. Election of Officers - B. Advisory Committee Member Application.

Second by Ms. Koeper. Carried unanimously 4 - 0.

IV. Approval of Minutes for February 4, 2021

Chair Cuny moved to approve the minutes of the February 4, 2021, Vanderbilt Waterway M.S.T.U. meeting as presented. Second by Mr. Burke. Carried unanimously 4 - 0.

V. Election of Officers and Advisory Committee Member Application

Mr. Sells reported Vincent Fantegrossi resigned from the Vanderbilt Waterway M.S.T.U. Advisory Committee.

A. Election of Officers

Election of Officers 2022-2023

i. Nominations for Chair

Ms. Koeper nominated Clint Cuny for the position of Chair of the Vanderbilt Waterway M.S.T.U. Advisory Committee for one year, or until a successor is appointed. Second by Mr. Burke. Carried unanimously 4 - 0.

Nominations were closed and no others were tendered. Mr. Cluny retained the Chair.

ii. Nominations for Vice Chair

Chair Cuny nominated Nancy Koeper for the position of Vice Chair of the Vanderbilt Waterway M.S.T.U. Advisory Committee for one year, or until a successor is appointed. Second by Ms. Marsal. Carried unanimously 4 – 0.

Nominations were closed and no others were tendered. Ms. Koeper assumed her position as Vice Chair of the Committee.

B. Advisory Committee Member Application

Consider Robert R. Talford as member of Advisory Committee

Mr. Talford's application for the vacant position on the Vanderbilt Waterway M.S.T.U. Advisory Committee was distributed to the Committee for consideration.

Mr. Talford shared his credentials with the Committee and expressed his desire to participate as a member of the Advisory Committee.

Chair Cuny motioned to recommend the Board of County Commissioners appoint Robert R. Talford to the Vanderbilt Waterway M.S.T.U. Advisory Committee for a four-year term. Second by Ms. Koeper. Carried unanimously 4 – 0.

VI. Project Managers Report

A. Channel Status

- Humiston & Moore Engineers "After Dredge Survey" was completed January 15, 2020 and Mean Low Tide depth deemed satisfactory at about 6.5 feet.
- The Committee requested Staff review the status of channel markers in Wiggins Pass near the intersection of Water Turkey Bay to determine if they need to be repaired or replaced.

B. Budget Report

1. FY-22 Budget Report

Vanderbilt Waterway MSTU Fund Budget 168 dated February 15, 2022"

- The FY-22 Millage rate remains constant at 0.3000 mills.
- Current Ad Valorem Tax, Line 1, is \$403,500.00.
- Transfers and Contributions, Line 10, are \$167,714.00; a carry-over of unexpended FY-21 funds.
- Total Revenue, Line 11, is \$570,500.00, including investment interest, transfers, and contributions.
- Operating Expense, Line 19, is budgeted at \$89,200.00; with current Commitments of \$5,727.49, Expenditures of \$86.79, and a Budget Remainder (unspent operating funds) of \$83,385.72.
- Transfer to Fund 111, Line 20, in the amount of \$11,600.00, is for M.S.T.U. Staff salaries and accrued County overhead related to M.S.T.U. operations.
- ADV/REPAY 001 General Fund, Line 21, in the amount of 118,400.00, is payment on the loan balance by the Office of Budget Management (OMB).
- ADV/REPAY 001 General Fund: A final payment in the amount of \$118,400.00 to satisfy the loan balance will be processed in FY-22.

- Transfer to the Property Appraiser, Line 23, in the amount of \$4,500.00, is for computation of M.S.T.U. Ad Valorem data for the tax rolls.
- Transfer to the Tax Collector, Line 24, in the amount of \$12,900.00, is for collection of M.S.T.U. millage as part of the tax bill, currently 0.3000 mills.
- The OMB budgeted Capital Reserves, Line 27, at \$209,500.00, to fund long term maintenance and potential damage from catastrophic events.
- Total Budget, Line 28, lists FY-22 M.S.T.U. budgeted funds at \$570,500.00; with tabulated Commitments of \$5,727.49, Expenditures of \$127,116.62, and a Budget Remainder (total unspent funds) of \$437,655.89.
- The Budget Remainder of \$437,655.89 will be reduced by \$118,400.00 when the ADV/REPAY 001 General Fund transfer is processed for final loan payment,

Total cost of the Water Turkey Bay dredging project including the survey was \$711,000.00

2. Long Term Maintenance Plan

The Vanderbilt Waterway Maintenance Plan FY-23 identifies community assets and defines financial requirements to maintain the assets.

- The report addresses timelines for future surveying and dredging of Water Turkey Bay.
- The three 2019 dredging events for Water Turkey Bay, Wiggins Pass and Caxambas Pass were combined to save mobilization costs.
- Future dredging is an unknown and may be borne by the MSTU in its entirety.
- The channel may require sectional dredge or complete dredge to a depth of 6.5 feet.
- Long term maintenance projected expense for Vanderbilt Waterway is estimated at \$1, 630,000.00.
- A “Capital Replacement Reserve” of \$190,800.00 will be reflected in the FY-23 budget.

3. FY-23 Proposed Budget Discussion

A preliminary FY-23 budget, effective October 1, 2022, with a millage rate consistent with FY-22 was presented for informational purposes.

- Total Revenue, Line 1, is estimated at \$503,350.00, including Ad Valorem tax revenue, investment interest, transfers, and contributions (minus a 5% reserve).
- Operating Expense is estimated at \$106,700.00.
- Reserve for Capital Expenditures of \$361,650.00 includes anticipated carry over of FY-22 funds in the amount of \$187,200.
- The FY-23 budget will be presented to the Committee for recommendation to the Board of County Commissioners (BCC).

Millage Rate:

The Committee will evaluate the Millage Rate with consideration for current and future expenses and adopt a “Millage Neutral” or “Revenue Neutral” policy as defined below:

- Revenue Neutral: Lower the current millage rate to maintain the FY-22 income level.
- Millage Neutral: Maintain the current millage rate, increasing revenue equal to the Ad Valorem property value increase assessed by the County appraiser.

Committee consensus is to adopt a Millage Neutral policy for FY-23.

VII. Old Business

None

VIII. New Business

CMA #5422, Hybrid Remote Public Meetings

The document “*CMA #5411, Hybrid Remote Public Meetings*” dated October 1, 2021, was provided to members for an opportunity to review the requirements for hybrid remote public meetings that may be conducted to facilitate the telephonic or remote participation of members of boards, committees, agencies, staff, consultants, and the public. The meeting utilizes both in-person and remote participation via communications media technology.

Instruction for Conducting a Hybrid Remote Public Meeting includes:

- Authorization of the County Manager or their designee.
- A hybrid remote public meeting notice providing all information required by law for an in-person public meeting.
- An opportunity for remote public comment.
- If a quorum is physically present, the participation of an absent member by communications media technology is permissible when such absence is due to extraordinary circumstances.

Advisory Committee Application

Pam Marsal announced intent to tender her resignation from the Vanderbilt Waterway Advisory Committee.

Mr. Sells reported the vacant position on the Committee will be advertised in accordance with the County policy. Residency within the boundaries of the M.S.T.U. and voter registration are requirements for membership.

He noted the M.S.T.U.’s duties and responsibilities reflect the common interest of the community. It is a County run authority taxing all property owners within the defined boundaries. Monies must be expended for the equal benefit of all those within the M.S.T.U.

Applications for member consideration will be presented at a future meeting.

IX. Public Comments

None

X. Member Comments

Referencing the minutes of the February 4, 2021, meeting, **Chair Cuny** queried regarding responsibility for the inner coastal waterway north of Wiggins Pass to Bonita Beach Road, citing the water depth is less than Water Turkey Bay.

Mr. Sells noted the area is the responsibility of Coastal Zone Management. The County project for beach renourishment and dredging are funded by the Tourist Tax.

***Mr. Sells** will inquire of the entity responsible for the inner coastal waterway if they plan to dredge the area from Wiggins Pass to Bonita Beach Road and update the Committee at a future meeting.*

XI. Adjourn

There being no further business for the good of the County, the meeting was adjourned by order of the Chair at 11:03 P.M.

VANDERBILT BEACH WATERWAY MSTU ADVISORY COMMITTEE

Clint Cuny, Chairman

The minutes approved by the Advisory Committee on _____, 2022 “*as submitted*” [] or “*as amended*” [].

NEXT MEETING: TO BE DETERMINED

Advisory Board Application Form

Collier County Government
3299 Tamiami Trail East, Suite 800
Naples, FL 34112
(239) 252-8400

Application was received on: 3/4/2022 5:16:03 PM.

Name: Charles Goodrich **Home Phone:** 203-962-1640

Home Address: 239 Conners Ave

City: Naples **Zip Code:** 34108

Phone Numbers

Business: 203-962-1640

E-Mail Address: cfgoodrich@gmail.com

Board or Committee: Vanderbilt Waterway Municipal Service Taxing Unit Advisory Committee

Category: Not indicated

Place of Employment: semi-retired - investor

How long have you lived in Collier County: 4-5

How many months out of the year do you reside in Collier County: 6-9

Have you been convicted or found guilty of a criminal offense (any level felony or first degree misdemeanor only)? No

Not Indicated

Do you or your employer do business with the County? No

Not Indicated

NOTE: All advisory board members must update their profile and notify the Board of County Commissioners in the event that their relationship changes relating to memberships of organizations that may benefit them in the outcome of advisory board recommendations or they enter into contracts with the County.

Would you and/or any organizations with which you are affiliated benefit from decisions or

recommendations made by this advisory board?

Are you a registered voter in Collier County?

Do you currently hold an elected office?

Do you now serve, or have you ever served on a Collier County board or committee?

Please list your community activities and positions held:

New York Yacht Club - active on two busy committees IC37 Class Association - Board of Directors Storm
Trysail Club - membership committee Gorilla Guardian (Rwanda) non-profit - Treasurer Stamford Yacht
Club - past Board member Yacht Racing Association of L.I. - past Board member

Education:

MAINE MARITIME ACADEMY, Castine ME Bachelor of Science, Nautical Science, 1986

Experience / Background

Penn Maritime Inc, US flag oil tanker owners transporting bulk petroleum - various middle and upper-
level management positions, 1990-2013 Moran Towing Inc, coastal US tugboat operator, 1986-1990

Advisory Board Application Form

Collier County Government
3299 Tamiami Trail East, Suite 800
Naples, FL 34112
(239) 252-8400

Application was received on: 3/4/2022 4:27:56 PM.

Name: Charles M Kelly Jr **Home Phone:** 239-572-2919

Home Address: 273 Egret Avenue

City: NAPLES **Zip Code:** 34108

Phone Numbers

Business: 239-262-3453

E-Mail Address: ckelly@flinttrust.com

Board or Committee: Vanderbilt Waterway Municipal Service Taxing Unit Advisory Committee

Category: Not indicated

Place of Employment: Kelly, Passidomo & Kelly

How long have you lived in Collier County: more than 15

How many months out of the year do you reside in Collier County: I am a year-round resident

Have you been convicted or found guilty of a criminal offense (any level felony or first degree misdemeanor only)? No

Not Indicated

Do you or your employer do business with the County? No

Not Indicated

NOTE: All advisory board members must update their profile and notify the Board of County Commissioners in the event that their relationship changes relating to memberships of organizations that may benefit them in the outcome of advisory board recommendations or they enter into contracts with the County.

Would you and/or any organizations with which you are affiliated benefit from decisions or

recommendations made by this advisory board?

Are you a registered voter in Collier County?

Do you currently hold an elected office?

Do you now serve, or have you ever served on a Collier County board or committee?

Please list your community activities and positions held:

Education:

Experience / Background

Advisory Board Application Form

Collier County Government
3299 Tamiami Trail East, Suite 800
Naples, FL 34112
(239) 252-8400

Application was received on: 3/14/2022 12:11:19 PM.

Name: Raymond Placid **Home Phone:** 239-784-4019

Home Address: 429 Flamingo Avenue

City: Naples **Zip Code:** 34108

Phone Numbers

Business:

E-Mail Address: Rplacid@comcast.net

Board or Committee: Vanderbilt Waterway Municipal Service Taxing Unit Advisory Committee

Category: Advisory board

Place of Employment: Florida Gulf Coast University

How long have you lived in Collier County: more than 15

How many months out of the year do you reside in Collier County: I am a year-round resident

Have you been convicted or found guilty of a criminal offense (any level felony or first degree misdemeanor only)? No

Not Indicated

Do you or your employer do business with the County? No

Not Indicated

NOTE: All advisory board members must update their profile and notify the Board of County Commissioners in the event that their relationship changes relating to memberships of organizations that may benefit them in the outcome of advisory board recommendations or they enter into contracts with the County.

Would you and/or any organizations with which you are affiliated benefit from decisions or

recommendations made by this advisory board? ☐ No

☐ Not Indicated

Are you a registered voter in Collier County? ☐ Yes

Do you currently hold an elected office? ☐ No

Do you now serve, or have you ever served on a Collier County board or committee? ☐ No

☐ Not Indicated

Please list your community activities and positions held:

Extensive boating and waterway experience

Education:

Bachelor, Masters, and law degree

Experience / Background

I have been boating in Turkey Key for over 20 years and I am very familiar with the ecosystem and the waterway



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
1520 Royal Palm Square Blvd, Suite 310
Fort Myers, FL 33919

October 31, 2019

REPLY TO
ATTENTION OF

Regulatory Division
West Permits Branch
Fort Myers Permits Section
SAJ-1997-02755(NW-EPL)

Gary McAlpin
Collier County
2685 South Horseshoe Rd., Unit 103
Naples, FL 34104

Dear Mr. McAlpin:

Your application for a Department of the Army permit received on May 24, 2019 has been assigned number SAJ-1997-02755. A review of the information and drawings provided shows the proposed work is to maintenance dredge accumulated sediments from the Vanderbilt Channel in Water Turkey Bay which provides recreational boating access to residential and commercial boat slips within the Vanderbilt Drive area of Naples, FL. The proposed project will result in the removal of 28,500 cubic yards of dredge material from the channel to restore a uniform depth of -5.5 feet previously authorized under the same permit number. The project will utilize a nearby, nearshore disposal area authorized under SAJ-2004-07621 for the disposal of the dredged material. The project would affect waters of the United States associated within Water Turkey Bay, and is located at 26.283298 N, -81.826086 W in Sections 17 & 20, Township 48 South, Range 25 East, Naples, Collier County, Florida.

Your project, as depicted on the enclosed drawings (Attachment I), is authorized by Nationwide Permit (NWP) 35. This authorization is valid until **March 18, 2022**. Please access the Corps' Jacksonville District Regulatory Division Internet page to view the special and general conditions for NWP-35, which apply specifically to this authorization. The Internet URL address is:

<http://www.saj.usace.army.mil/Missions/Regulatory.aspx>

Please be aware this Internet address is case sensitive; and, you will need to enter it exactly as it appears above. Once there you will need to click on "Source Book"; and, then click on "Nationwide Permits". Then you will need to click on the specific NWP permit noted above. You must comply with all of the special and general conditions of the permit; and, any project-specific conditions noted below, or you may be subject to enforcement action. The following project-specific conditions are included with this authorization:

The following special conditions are to ensure compliance with the federal permit and to minimize impacts to the aquatic environment.

1. **Reporting Address:** The Permittee shall submit all reports, notifications, documentation and correspondence required by the general and special conditions of this permit to the following address:

a. For standard mail: U.S. Army Corps of Engineers, Regulatory Division, Special Projects and Enforcement Branch, 701 San Marco Blvd., Jacksonville, FL 32207.

b. For electronic mail CESAJ-ComplyDocs@usace.army.mil (not to exceed 10 MB).

The Permittee shall reference this permit number, SAJ-1997-02755 (NW-EPL), on all submittals.

2. **Self-Certification:** Within 60 days of completion of the work authorized by this permit, the Permittee shall complete the attached "Self-Certification Statement of Compliance" form and submit it to the Corps (Attachment II). In the event that the completed work deviates in any manner from the authorized work, the Permittee shall describe the deviations between the work authorized by this permit and the work as constructed on the "Self-Certification Statement of Compliance" form. The description of any deviations on the "Self-Certification Statement of Compliance" form does not constitute approval of any deviations by the Corps.

3. **Commencement Notification:** Within 10 days from the date of initiating the work authorized by this permit the Permittee shall submit a completed "Commencement Notification" Form (Attachment III).

4. **Assurance of Navigation and Maintenance:** The Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

5. **Posting of Permit:** The Permittee shall have available and maintain for review a copy of this permit and approved plans at the construction site.

6. **Dredge Method:** This verification applies only to mechanical and hydraulic dredging activities, it does not authorize hopper dredging.

7. **Dredged Material Disposal:** All dredged material must be placed in a Corps-verified upland disposal site, EPA or Corps designated open water disposal site, Corps Dredged Material Management Area, or Corps-approved beneficial use sites for mitigation or restoration, as long as it meets the following:

- The disposal sites shall employ erosion control measures such as upland erosion control, such as filtration or berms, or in-water turbidity curtains.
- Handling and storage of dredged material must be completed in a manner that prevents sedimentation, erosion, and turbidity during dewatering, overflow, transferring, and storage of the dredged material. For example, the overwater transfer of dredge material should either contain the dredged material and any water to prevent sedimentation or employ other methods, such as turbidity curtains in the marine environment, to ensure that any turbidity generated as the water is returned to the marine environment is contained. If the applicant conducts sediment testing voluntarily or in compliance with other law, and such testing indicates high levels of contaminants in the sediments to be dredged, water from dewatering should not be released back into the marine environment.

8. **Dredged Material Disposal Location:** This verification authorizes use of an existing permitted nearshore disposal area associated with Corps permit SAJ-2004-07621, identified as "North Nearshore Disposal Area". Use of this disposal area is authorized under condition that the permit authorizing the disposal area (SAJ-2004-07621) remains valid and in compliance. The Permittee shall comply with all special conditions included within SAJ-2004-07621 regarding material disposal and the proposed disposal site. Shall the disposal site permit become uncompliant or expire, the Permittee shall request approval from the Corps to utilize an alternative disposal location.

9. **Agency Changes/Approvals:** Should any other agency require and/or approve changes to the work authorized or obligated by this permit, the

Permittee is advised a modification to this permit instrument is required prior to initiation of those changes. It is the Permittee's responsibility to request a modification of this permit from the Fort Myers Permits Section. The Corps reserves the right to fully evaluate, amend, and approve or deny the request for modification of this permit.

10. Regional Biological Opinion: Hydraulic and mechanical dredging is approved under the current National Marine Fisheries Service (NMFS) Gulf Regional Biological Opinion (GRBO) and its references which can be viewed on the following website:

<https://www.fisheries.noaa.gov/content/endangered-species-act-section-7-biological-opinions-southeast>

The Permittee is responsible for obtaining and complying with the GRBO. If the Permittee is unable to view the GRBO at this website, the Permittee shall contact the Corps to receive a copy of the GRBO. The Permittee shall implement all reasonable and prudent measures identified in the GRBO NMFS has issued the GRBO to the Corps for dredge projects that limit the take of listed turtles, whales, sturgeon, sawfish, and any other species listed in the GRBO. Authorization under this permit is conditional upon compliance with all of the mandatory terms and conditions associated with the GRBO, which terms and conditions are incorporated by reference in this permit. Failure to comply with the terms and conditions associated with the GRBO, where a take of the listed species occurs, would constitute noncompliance with this permit. Failure to comply with this permit will be the basis for suspension and revocation of this permit and may be the basis for other enforcement action. NMFS has directed that this GRBO issued to the Corps serve as the formal consultation for all dredge projects in the area covered by the GRBO; however, where the terms and conditions of the GRBO differ from the special conditions of this permit, the special conditions of this permit will take precedence as the more stringent condition.

11. Sea turtle and smalltooth sawfish conditions: The Permittee shall comply with National Marine Fisheries Service's "Sea Turtle and Smalltooth Sawfish Construction Conditions," dated March 23, 2006, attached to this permit (Attachment IV).

12. Manatee Conditions: The Permittee shall abide by the enclosed standard construction conditions designed to protect the endangered West Indian manatee, 2011 (Attachment V).

13. Incidental Take Statement: This permit does not authorize the Permittee to take an endangered species, in particular sea turtles, sturgeon, whales or any other endangered species listed in the GRBO. The GRBO includes an Incidental Take Statement (ITS) issued to the Corps. The Permittee understands and agrees that, even where it is in full compliance with the terms and conditions of the GRBO and this permit, incidental take by the Permittee or other hopper dredging operations within the area covered by the GRBO may result in suspension or modification of this permit by the Corps. The amount of incidental take that will trigger suspension, and the need for any such suspension, shall be determined at the discretion of the Corps. The Permittee understands and agrees on behalf of itself, its agents, contractors, and other representatives, no claim, legal action in equity or for damages, adjustment, or other

14. Points of Contact: The Permittee shall provide a list of all points of contact associated with the project at the same time the notice of commencement to the address identified in Reporting Address Special Condition. The list should include area of responsibility and contact information for each point of contact.

15. Turbidity Barriers: If turbidity barriers are used, they shall be made of a material so that manatees or swimming sea turtles cannot become entangled, shall be properly secured and shall be regularly monitored to avoid entanglement or entrapment. These barriers must not impede manatee or swimming sea turtle movement.

16. As-Built Certification: Within 60 days of completion of the work authorized by this permit, the Permittee shall submit as-built drawings of the authorized work and a completed "As-Built Certification By Professional Engineer" form to the Corps (Attachment VI). The as-built drawings shall be signed and sealed by a registered professional engineer and include the following:

a. A plan view drawing of the location of the authorized work footprint, as shown on the permit drawings, with transparent overlay of the work as constructed in the same scale as the permit drawings on 8½-inch by 11-inch sheets. The plan view drawing should show all "earth disturbance," including wetland impacts and water management structures.

b. A list of any deviations between the work authorized by this permit and the work as constructed. In the event that the completed work deviates, in any manner, from the authorized work, describe on the attached "As-Built Certification By Professional Engineer" form the deviations between the work authorized by this permit and the work as constructed. Clearly indicate on the

as-built drawings any deviations that have been listed. Please note that the depiction and/or description of any deviations on the drawings and/or "As-Built Certification By Professional Engineer" form does not constitute approval of any deviations by the Corps.

c. Include the Department of the Army permit number on all sheets submitted.

17. **Buoys:** Where buoys are used to mark pipelines, the Permittee shall use light weight chain, non-looping wire rope, or plastic sheathing around nylon rope to secure the buoy line to the pipeline to prevent looping

18. Historic Properties:

a. No structure or work shall adversely affect impact or disturb properties listed in the National Register of Historic Places (NRHP) or those eligible for inclusion in the NRHP.

b. If during the ground disturbing activities and construction work within the permit area, there are archaeological/cultural materials encountered which were not the subject of a previous cultural resources assessment survey (and which shall include, but not be limited to: pottery, modified shell, flora, fauna, human remains, ceramics, stone tools or metal implements, dugout canoes, evidence of structures or any other physical remains that could be associated with Native American cultures or early colonial or American settlement), the Permittee shall immediately stop all work and ground-disturbing activities within a 100-meter diameter of the discovery and notify the Corps within the same business day (8 hours). The Corps shall then notify the Florida State Historic Preservation Officer (SHPO) and the appropriate Tribal Historic Preservation Officer(s) (THPO(s)) to assess the significance of the discovery and devise appropriate actions.

c. Additional cultural resources assessments may be required of the permit area in the case of unanticipated discoveries as referenced in accordance with the above Special Condition ; and if deemed necessary by the SHPO, THPO(s), or Corps, in accordance with 36 CFR 800 or 33 CFR 325, Appendix C (5). Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization from the SHPO for finds under his or her jurisdiction, and from the Corps.

d. In the unlikely event that unmarked human remains are identified on non-federal lands, they will be treated in accordance with Section 872.05 Florida Statutes. All work and ground disturbing activities within a 100-meter diameter of the unmarked human remains shall immediately cease and the Permittee shall immediately notify the medical examiner, Corps, and State Archeologist within the same business day (8-hours). The Corps shall then notify the appropriate SHPO and THPO(s). Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume without written authorization from the State Archeologist and from the Corps.

This authorization does not include conditions that would prevent the 'take' of a state-listed fish or wildlife species. These species are protected under sec. 379.411, Florida Statutes, and listed under Rule 68A-27, Florida Administrative Code. With regard to fish and wildlife species designated as species of special concern or threatened by the State of Florida, you are responsible for coordinating directly with the Florida Fish and Wildlife Conservation Commission (FWC). You can visit the FWC license and permitting webpage (<http://www.myfwc.com/license/wildlife/>) for more information, including a list of those fish and wildlife species designated as species of special concern or threatened. The Florida Natural Areas Inventory (<http://www.fnai.org/>) also maintains updated lists, by county, of documented occurrences of those species.

This authorization does not give absolute Federal authority to perform the work as specified on your application. The proposed work may be subject to local building restrictions mandated by the National Flood Insurance Program. You should contact your local office that issues building permits to determine if your site is located in a flood-prone area, and if you must comply with the local building requirements mandated by the National Flood Insurance Program.

If you are unable to access the internet or require a hardcopy of any of the conditions, limitations, or expiration date for the above referenced NWP, please contact Eric Larrat by telephone at 239-334-1975.

Thank you for your cooperation with our permit program. The Corps' Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to complete our automated Customer Service Survey at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey. Please be aware

this Internet address is case sensitive; and, you will need to enter it exactly as it appears above. Your input is appreciated – favorable or otherwise.

Sincerely,

Eric P. Larrat
Project Manager

Enclosures

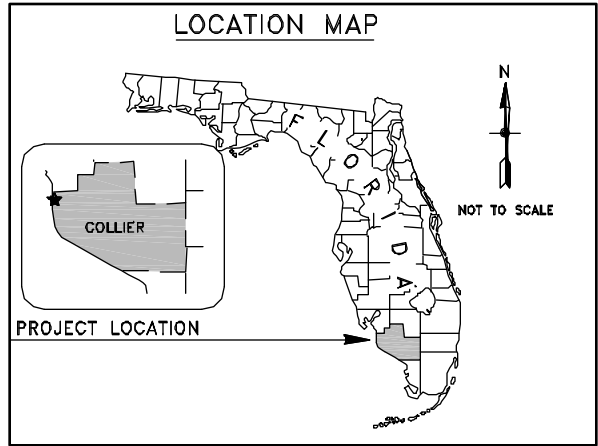
Attachment I: Project Drawings
Attachment II: Self-Certification of Compliance
Attachment III: Commencement Notification Form
Attachment IV: Smalltooth Sawfish and Sea Turtle Conditions
Attachment V: Manatee In-Water Work Conditions
Attachment VI: As-Built Certification By Professional Engineer Form
Attachment VII: Permit Transfer Request Form

GENERAL CONDITIONS
33 CFR PART 320-330

1. The time limit for completing the work authorized ends on the **dates identified in the letter.**
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow a representative from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit

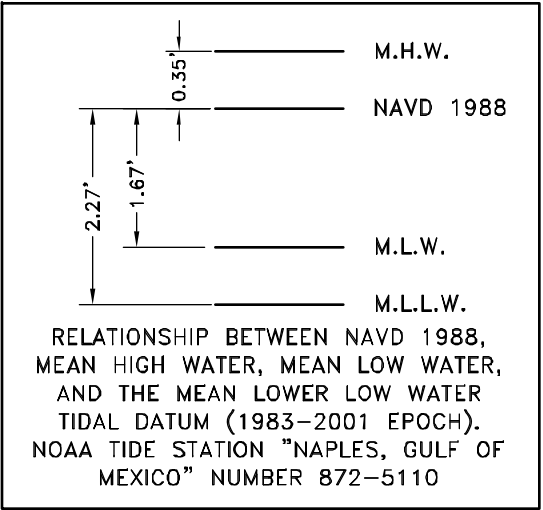
ATTACHMENT I

WATER TURKEY BAY MAINTENANCE DREDGING PROJECT COLLIER COUNTY, FLORIDA



SHEET INDEX

1. COVER SHEET AND LOCATION MAP
2. SITE PLAN - PROJECT LOCATION
3. SITE PLAN - BATHYMETRY AND CUT THICKNESS
4. CROSS SECTIONS - EXCAVATION
5. CROSS SECTIONS - EXCAVATION
6. CROSS SECTIONS - EXCAVATION
7. CROSS SECTIONS - EXCAVATION
8. CROSS SECTIONS - EXCAVATION
9. CROSS SECTIONS - EXCAVATION AND QUANTITY TABLE
10. CROSS SECTIONS - FILL AREA



NOTES:

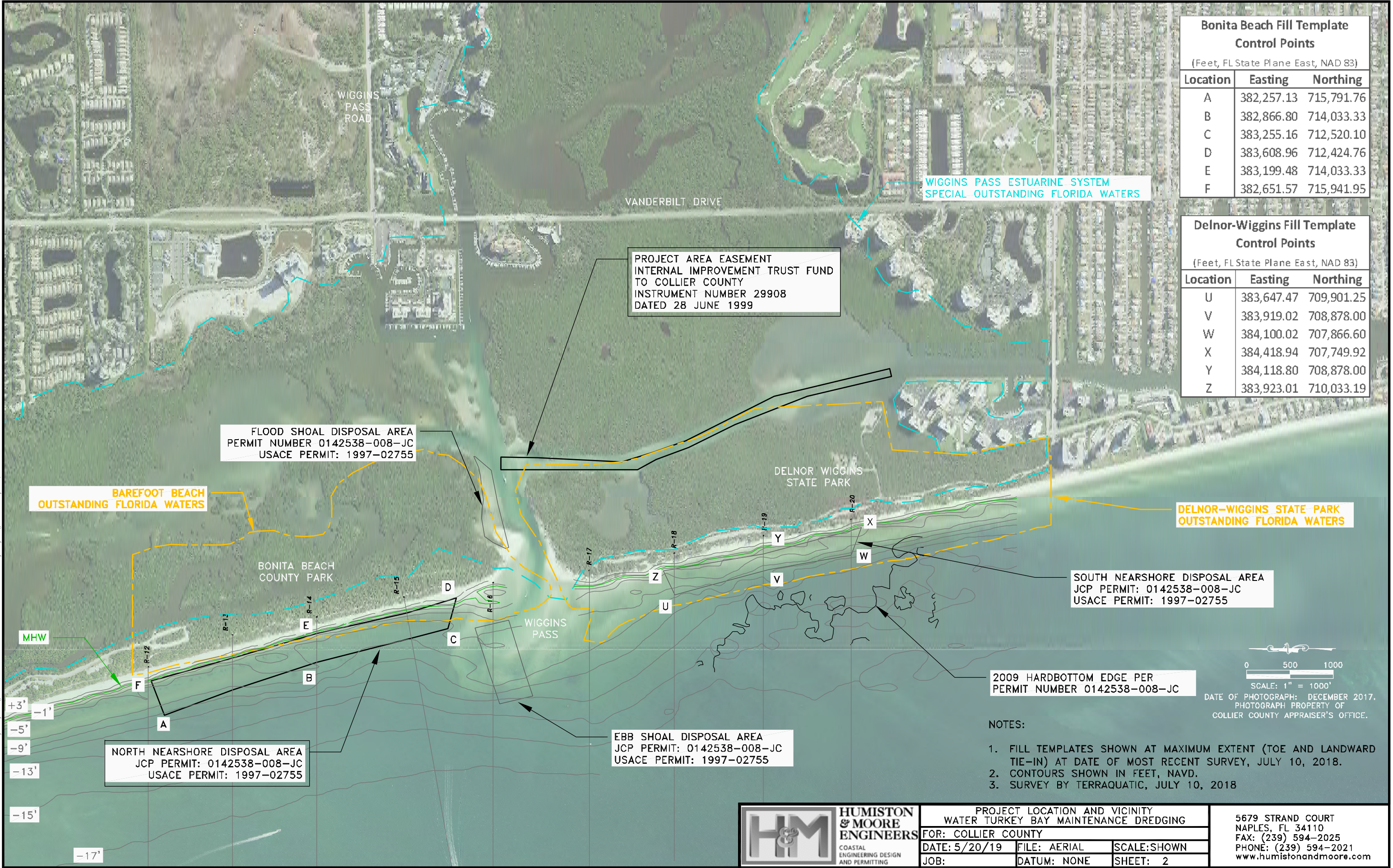
1. AERIAL PHOTOGRAPH TAKEN IN DECEMBER 2017 AND PROVIDED COURTESY OF COLLIER COUNTY PROPERTY APPRAISER .
2. COORDINATES SHOWN ARE IN FEET BASED ON THE NORTH AMERICAN DATUM OF 1983, EAST ZONE (NAD83).
3. ELEVATIONS SHOWN ARE IN FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. THESE DRAWINGS SHALL NOT BE CONSIDERED VALID FOR CONSTRUCTION PURPOSES UNLESS SIGNED AND SEALED.



COVER SHEET		
WATER TURKEY BAY MAINTENANCE DREDGING		
FOR: COLLIER COUNTY		
DATE: 5/20/19	FILE: AERIAL	SCALE: SHOWN
JOB:	DATUM: NONE	SHEET: 1

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F:\Collier\050-Collier-Misc\Water-Turkey-Bay (Dwg)\Construction Plans\2019-05-15\Water Turkey Bay.dwg Print: May 21, 2019



Bonita Beach Fill Template		
Control Points		
(Feet, FL State Plane East, NAD 83)		
Location	Easting	Northing
A	382,257.13	715,791.76
B	382,866.80	714,033.33
C	383,255.16	712,520.10
D	383,608.96	712,424.76
E	383,199.48	714,033.33
F	382,651.57	715,941.95

Delnor-Wiggins Fill Template		
Control Points		
(Feet, FL State Plane East, NAD 83)		
Location	Easting	Northing
U	383,647.47	709,901.25
V	383,919.02	708,878.00
W	384,100.02	707,866.60
X	384,418.94	707,749.92
Y	384,118.80	708,878.00
Z	383,923.01	710,033.19

PROJECT AREA EASEMENT
INTERNAL IMPROVEMENT TRUST FUND
TO COLLIER COUNTY
INSTRUMENT NUMBER 29908
DATED 28 JUNE 1999

FLOOD SHOAL DISPOSAL AREA
PERMIT NUMBER 0142538-008-JC
USACE PERMIT: 1997-02755

BAREFOOT BEACH
OUTSTANDING FLORIDA WATERS

DELNOR-WIGGINS STATE PARK
OUTSTANDING FLORIDA WATERS

SOUTH NEARSHORE DISPOSAL AREA
JCP PERMIT: 0142538-008-JC
USACE PERMIT: 1997-02755


2009 HARDBOTTOM EDGE PER
PERMIT NUMBER 0142538-008-JC

NORTH NEARSHORE DISPOSAL AREA
JCP PERMIT: 0142538-008-JC
USACE PERMIT: 1997-02755

EBB SHOAL DISPOSAL AREA
JCP PERMIT: 0142538-008-JC
USACE PERMIT: 1997-02755

0 500 1000
SCALE: 1" = 1000'
DATE OF PHOTOGRAPH: DECEMBER 2017.
PHOTOGRAPH PROPERTY OF
COLLIER COUNTY APPRAISER'S OFFICE.

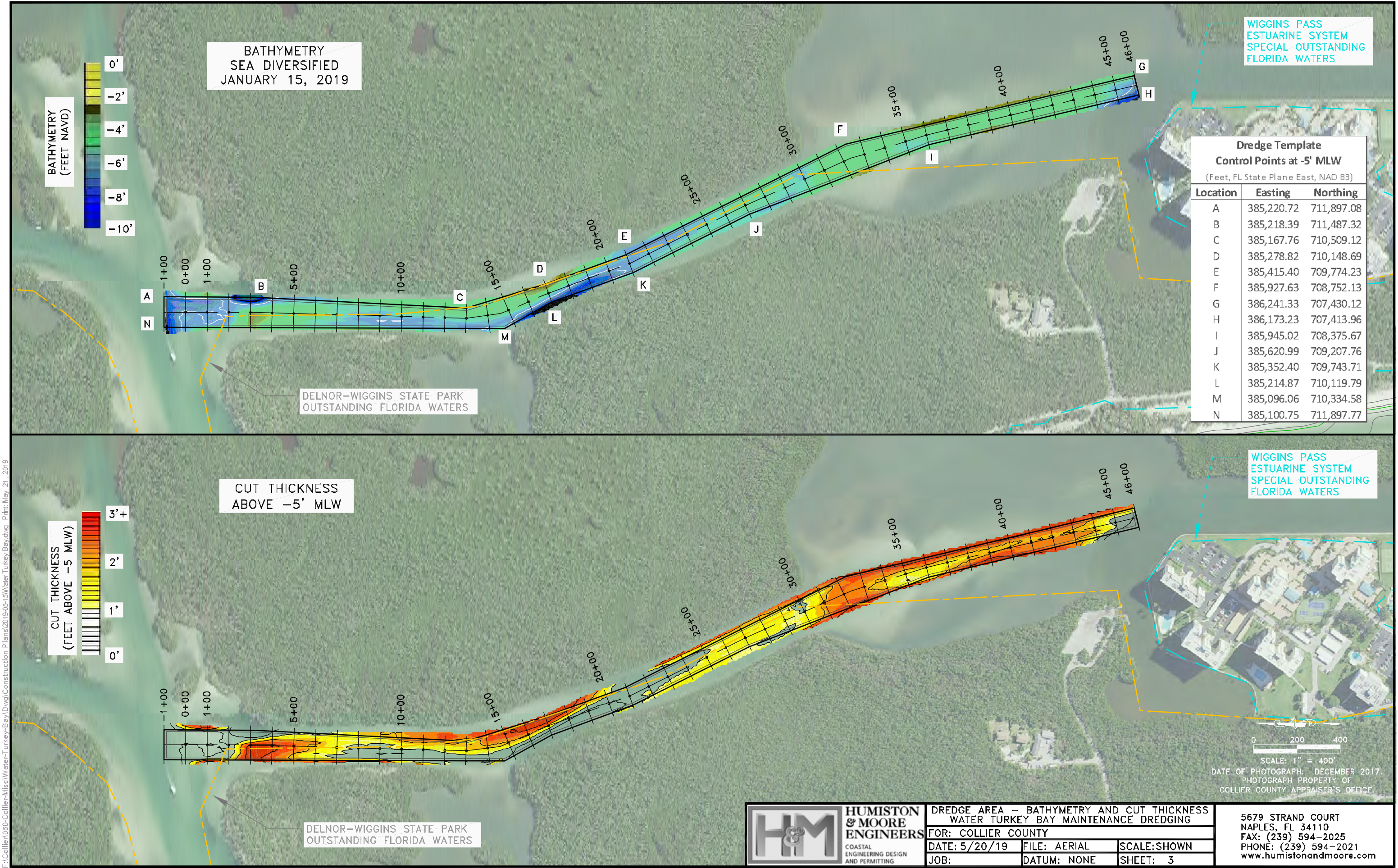
- NOTES:
1. FILL TEMPLATES SHOWN AT MAXIMUM EXTENT (TOE AND LANDWARD TIE-IN) AT DATE OF MOST RECENT SURVEY, JULY 10, 2018.
 2. CONTOURS SHOWN IN FEET, NAVD.
 3. SURVEY BY TERRAQUATIC, JULY 10, 2018

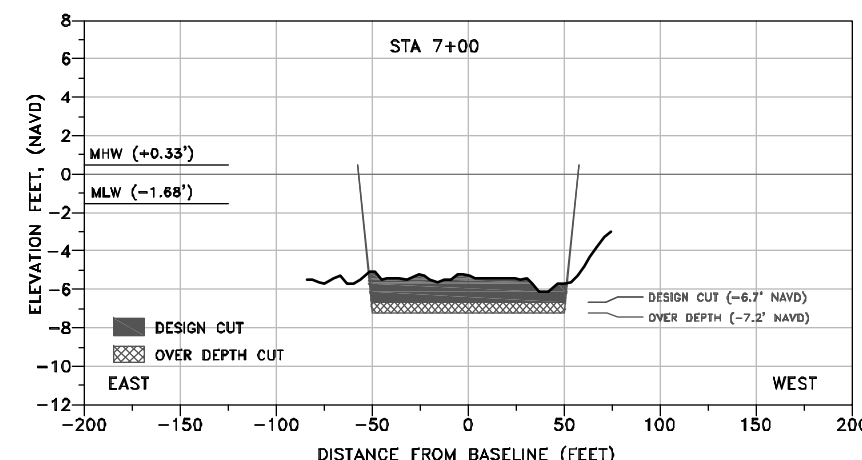
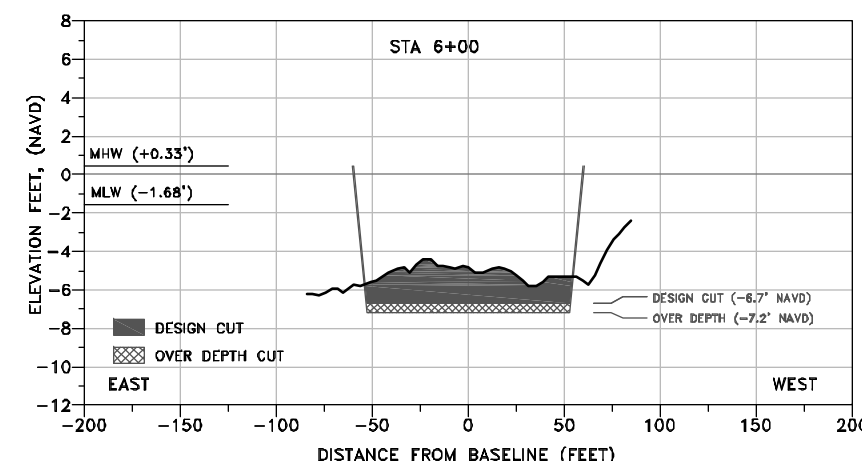
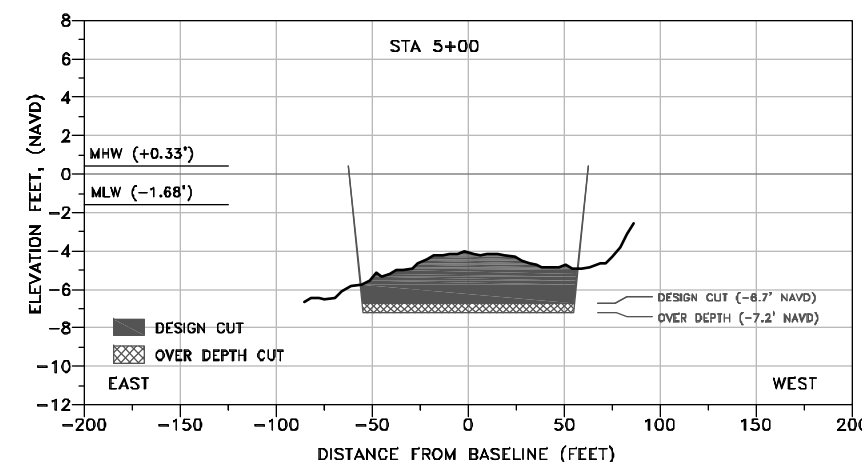
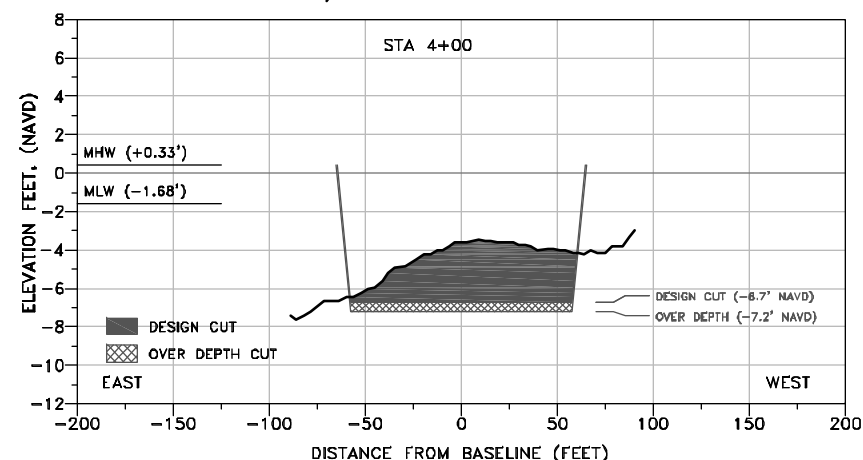
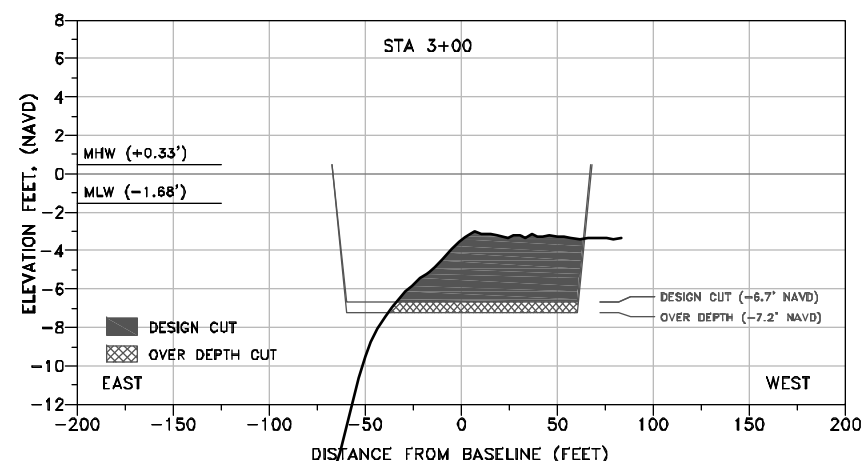
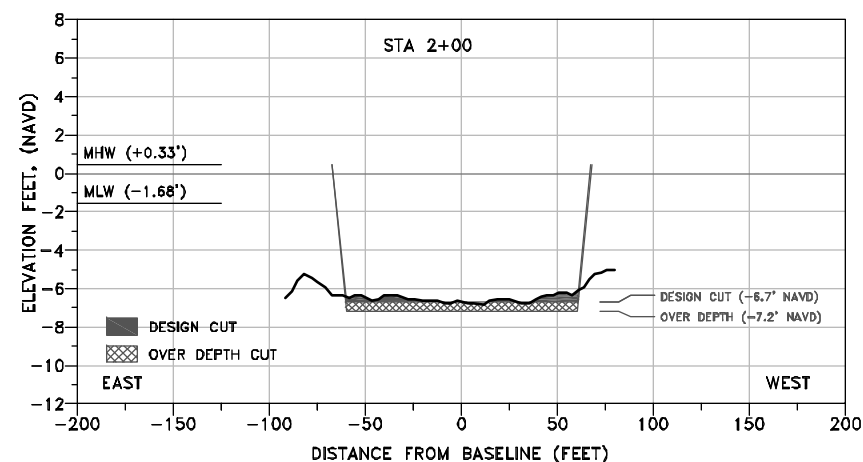
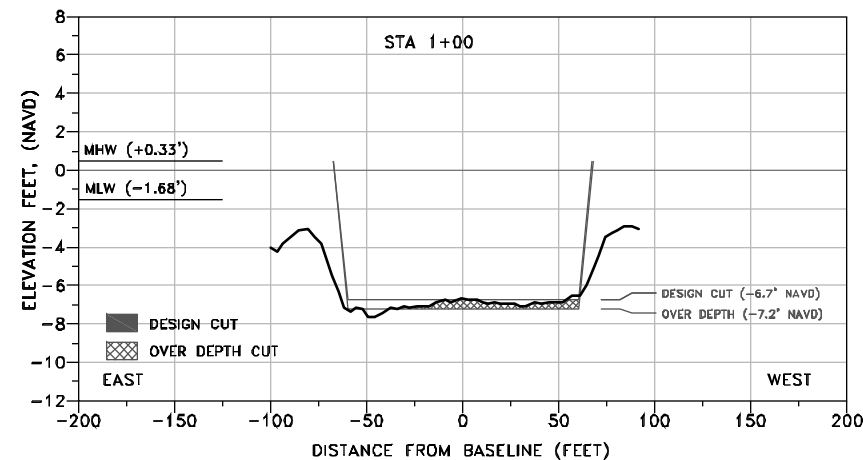
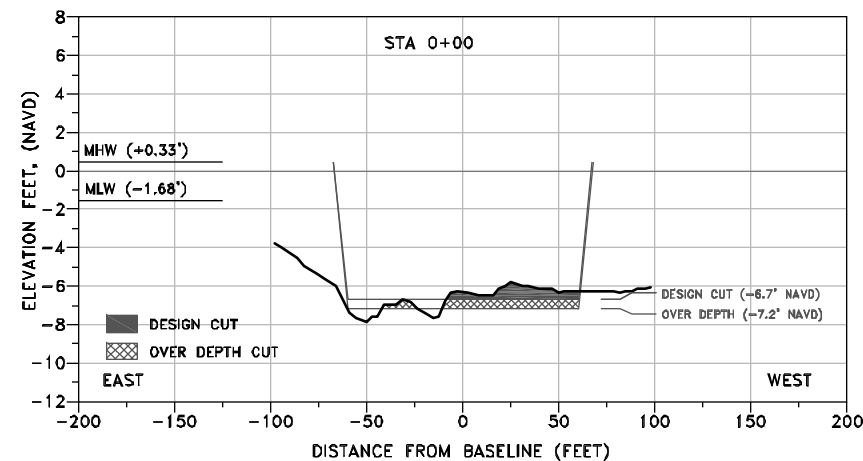
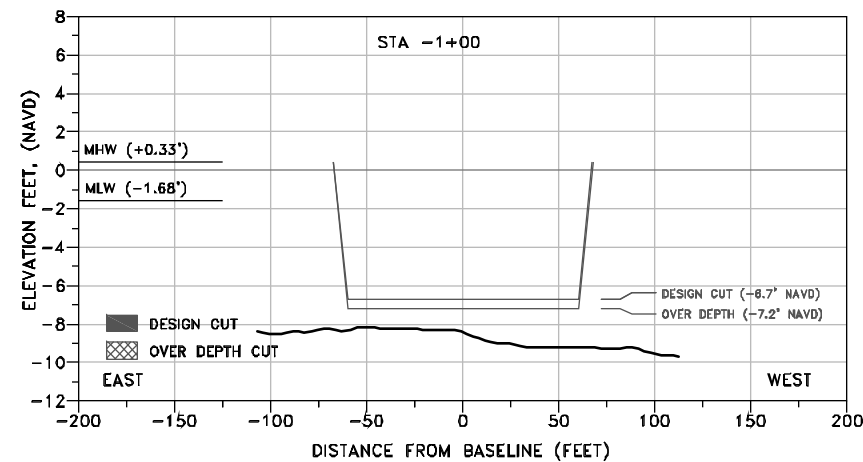


**HUMISTON
& MOORE
ENGINEERS**
COASTAL
ENGINEERING DESIGN
AND PERMITTING

PROJECT LOCATION AND VICINITY WATER TURKEY BAY MAINTENANCE DREDGING		
FOR: COLLIER COUNTY		
DATE: 5/20/19	FILE: AERIAL	SCALE: SHOWN
JOB:	DATUM: NONE	SHEET: 2

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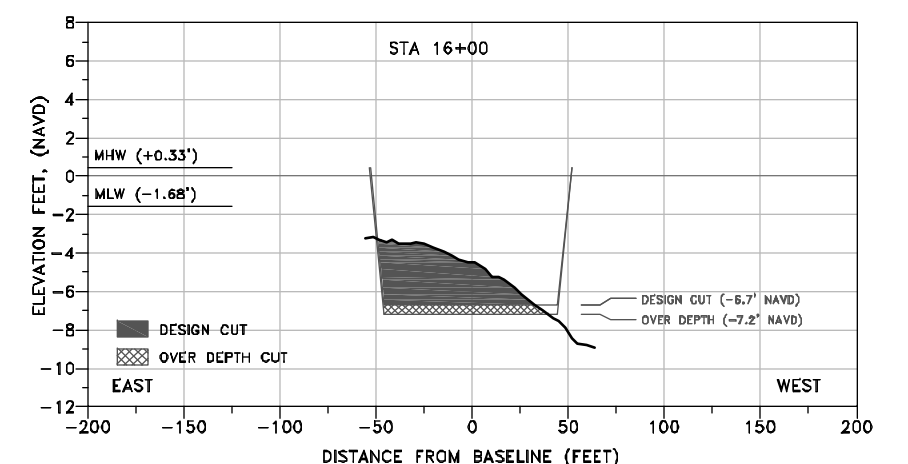
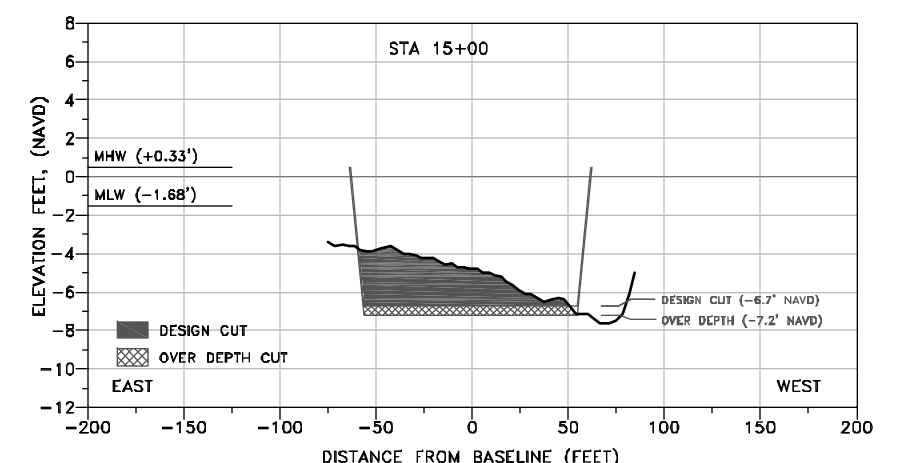
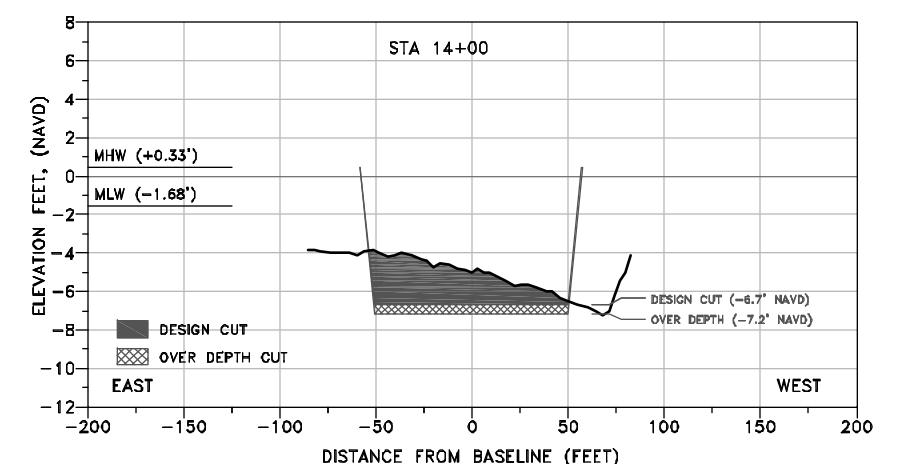
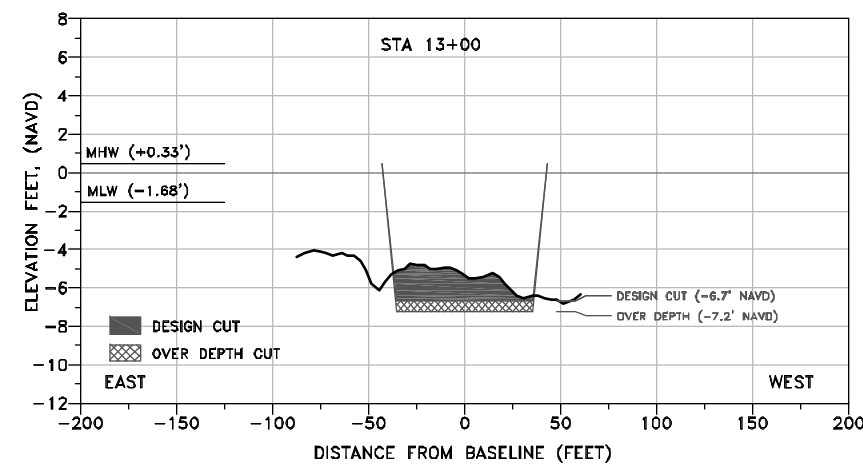
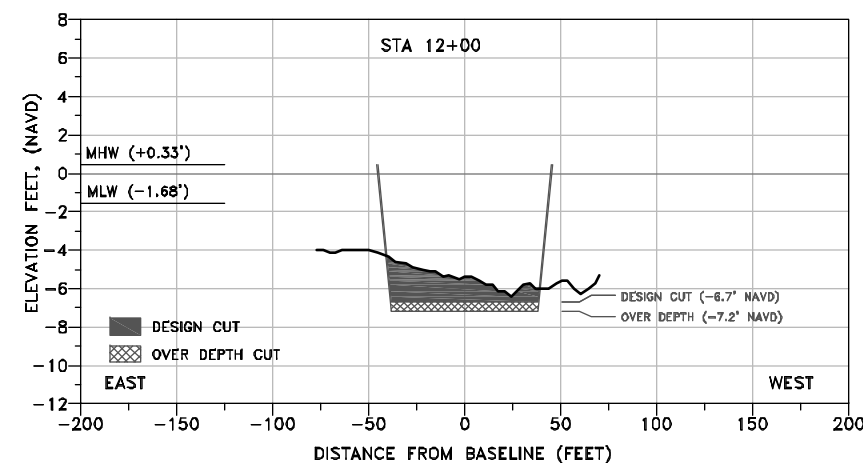
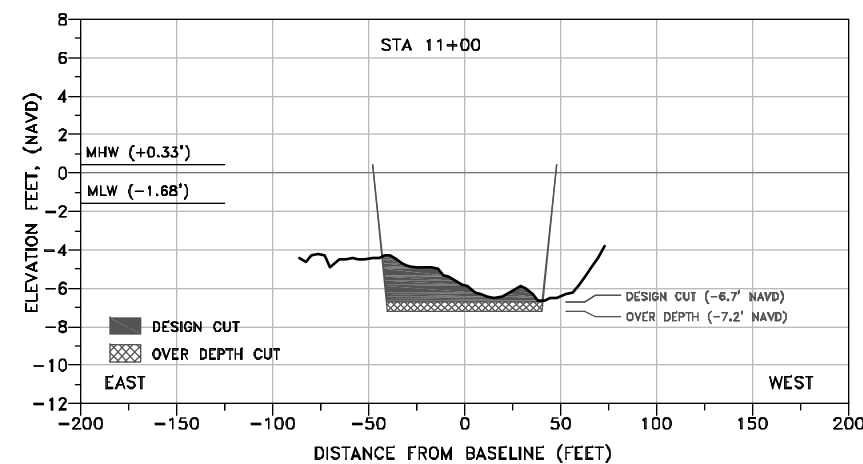
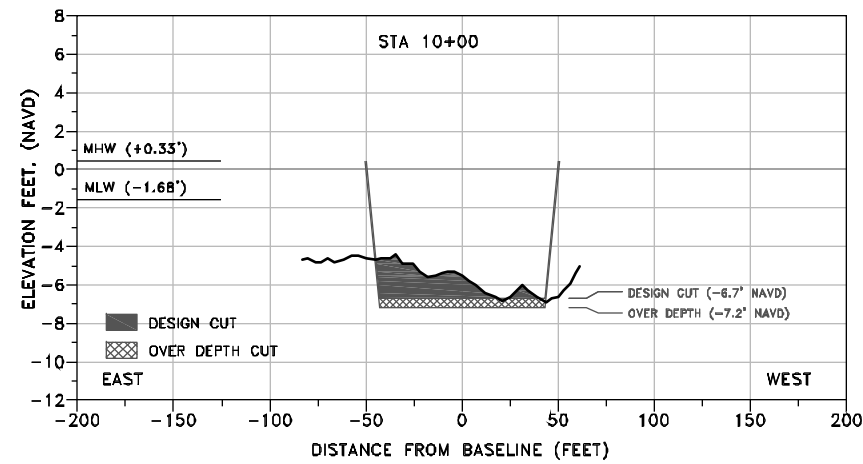
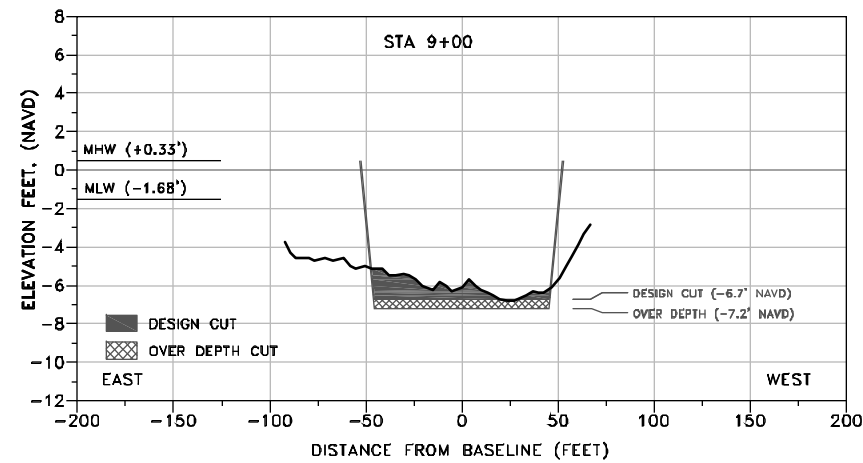
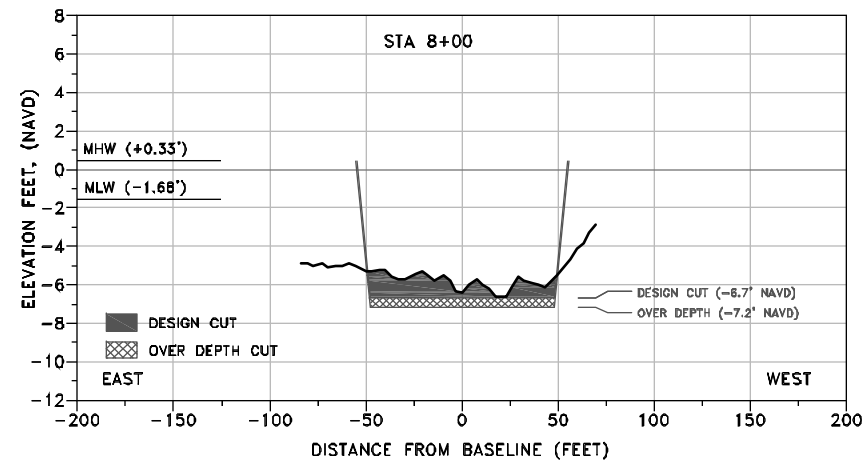
NOTES:

1. SURVEY BY SEA DIVERSIFIED INC., JANUARY 15, 2019.
2. DESIGN DEPTH -5' MEAN LOW WATER.
3. OVERDEPTH 0.5'.
4. SIDESLOPES 1V:1H.



CROSS SECTIONS - EXCAVATION		
WATER TURKEY BAY MAINTENANCE DREDGING		
FOR: COLLIER COUNTY		
DATE: 5/20/19	FILE: AERIAL	SCALE: SHOWN
JOB:	DATUM: NONE	SHEET: 4

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NOTES:

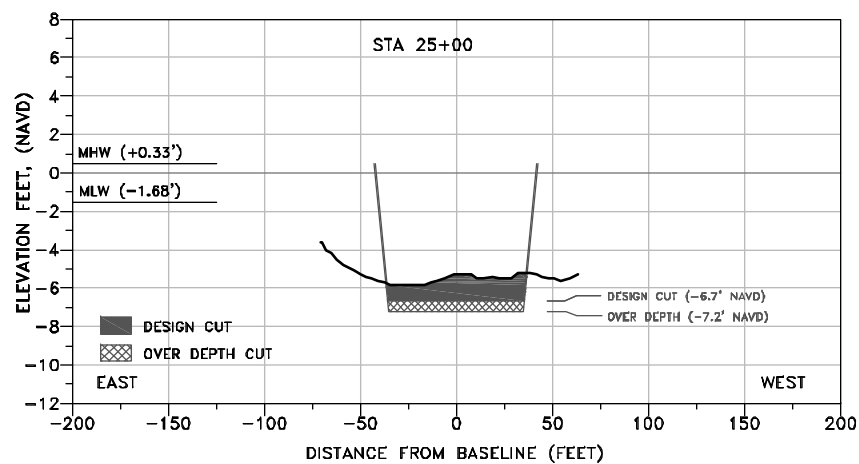
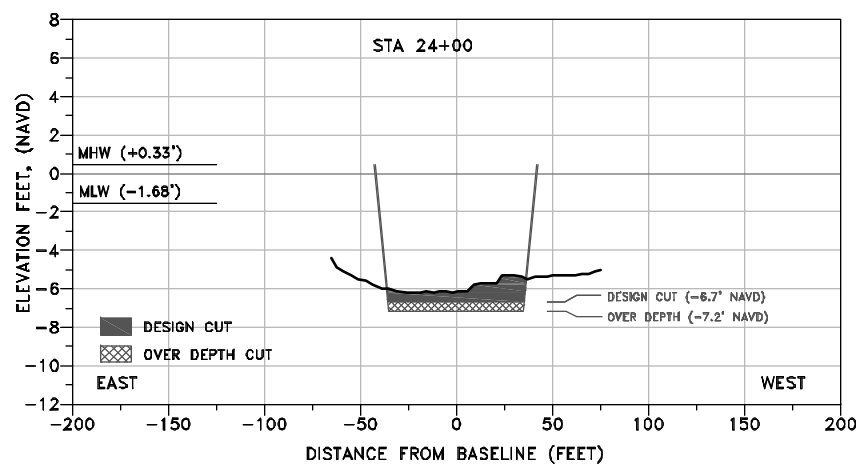
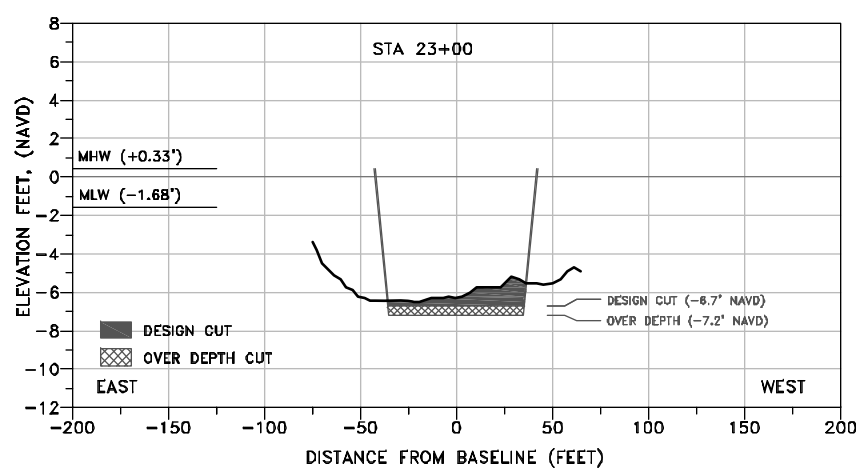
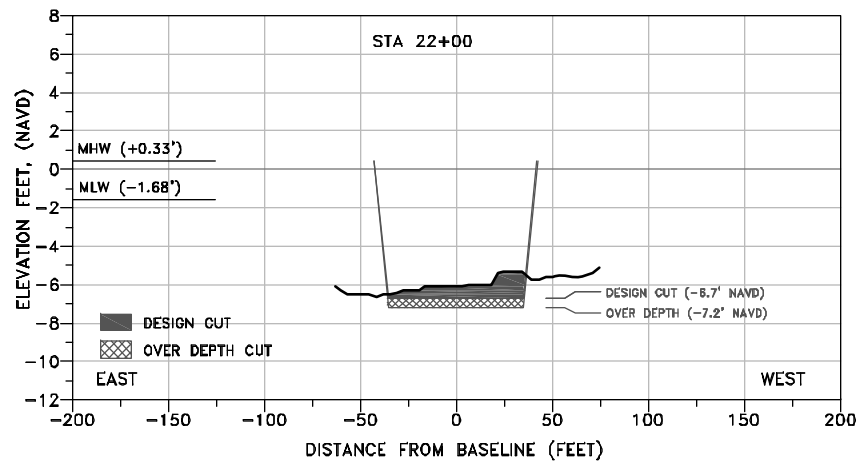
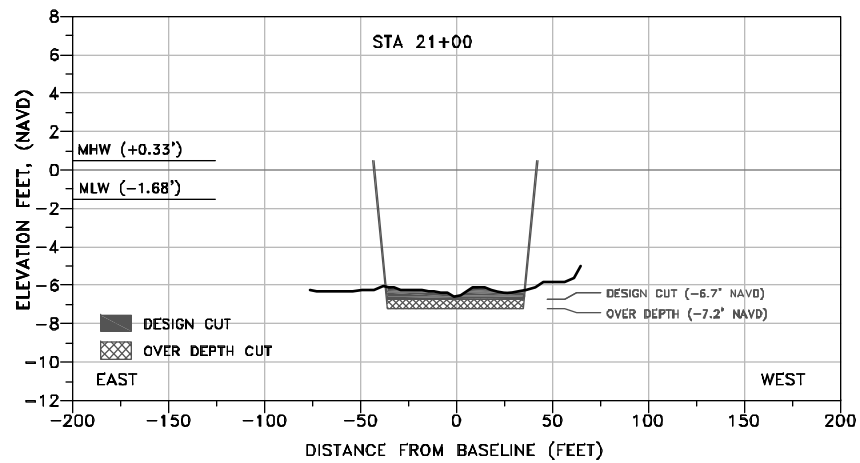
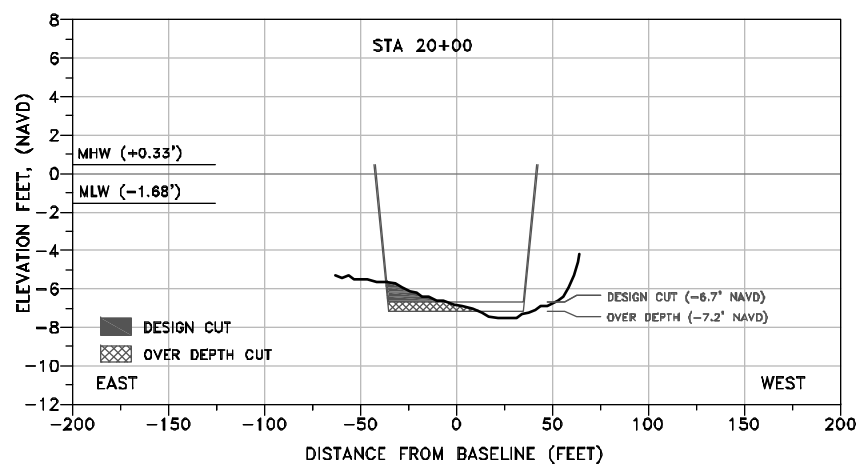
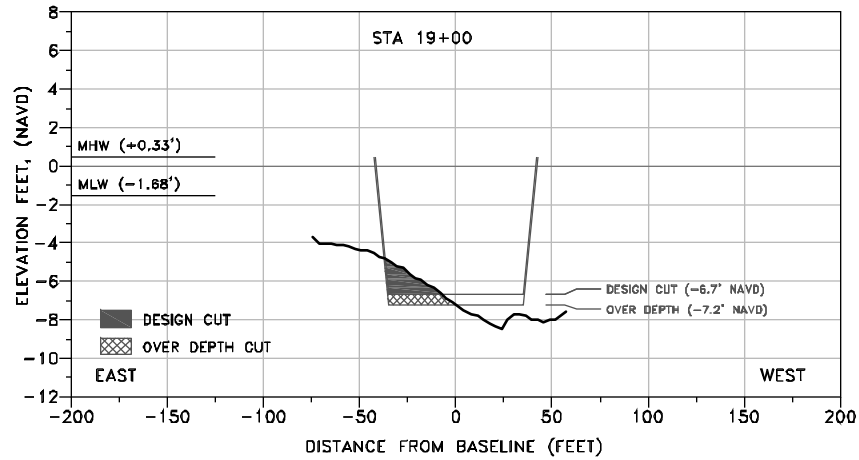
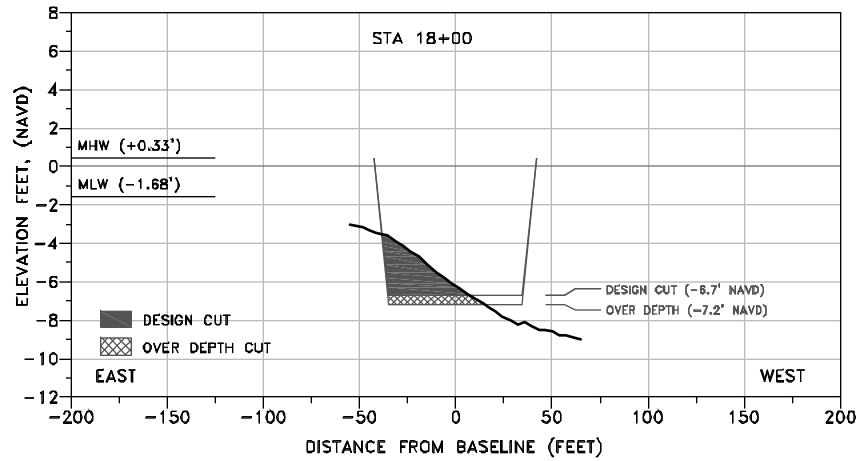
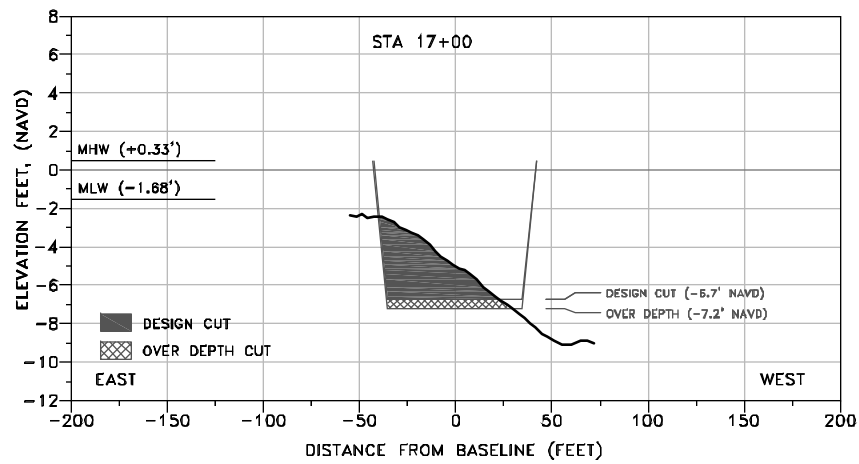
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CROSS SECTIONS - EXCAVATION		
WATER TURKEY BAY MAINTENANCE DREDGING		
FOR: COLLIER COUNTY		
DATE: 5/20/19	FILE: AERIAL	SCALE: SHOWN
JOB:	DATUM: NONE	SHEET: 5

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F:\Collier\050-Collier-Misc\Water-Turkey-Bay\Drawings\Construction Plans\2019-05-15\Water Turkey Bay.dwg Print: May 21, 2019



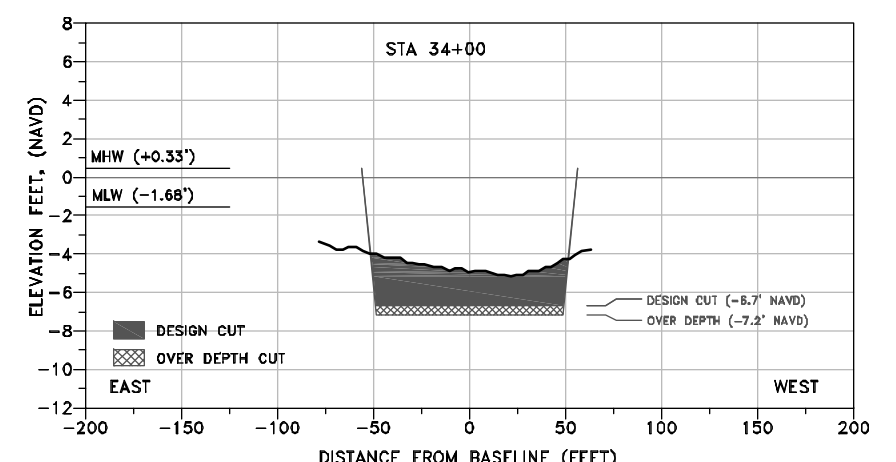
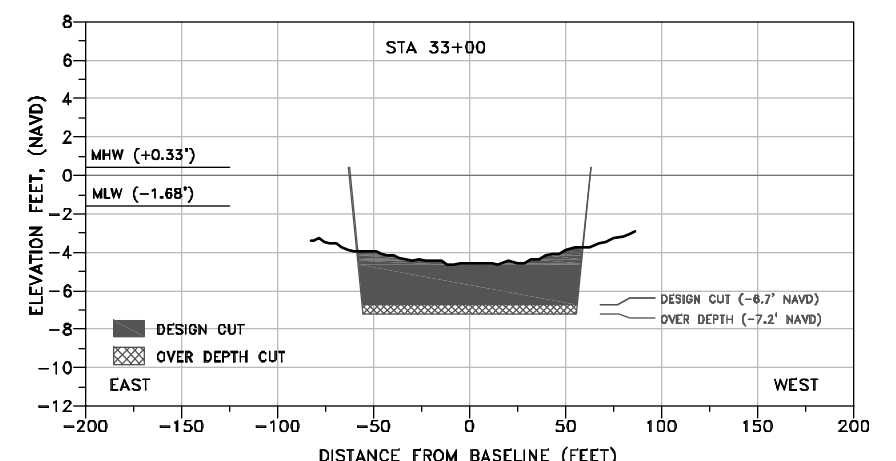
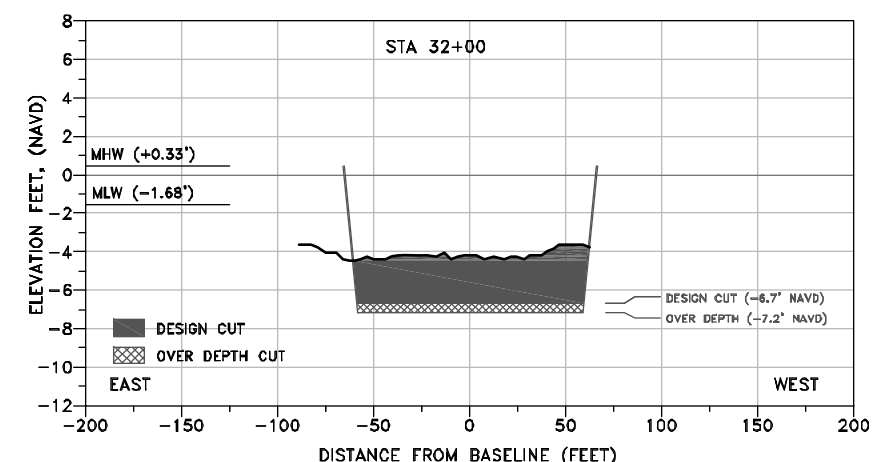
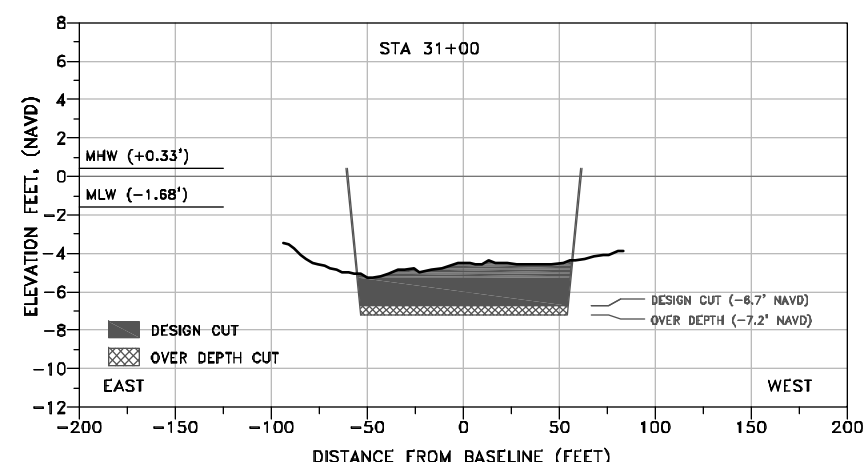
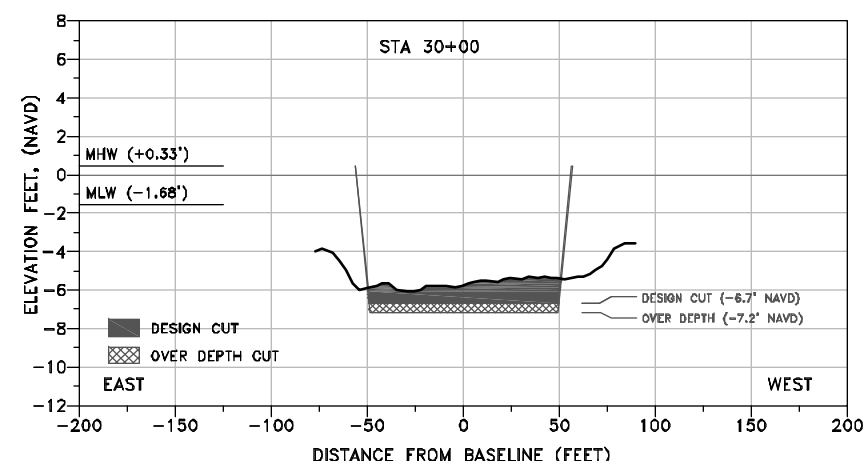
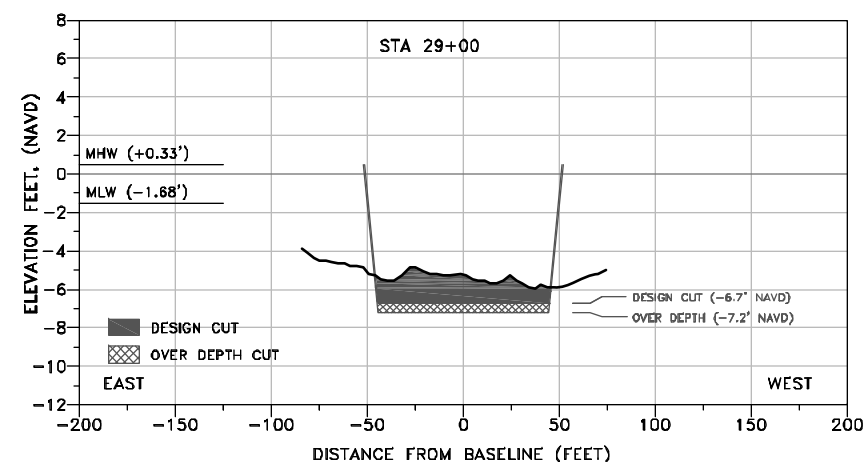
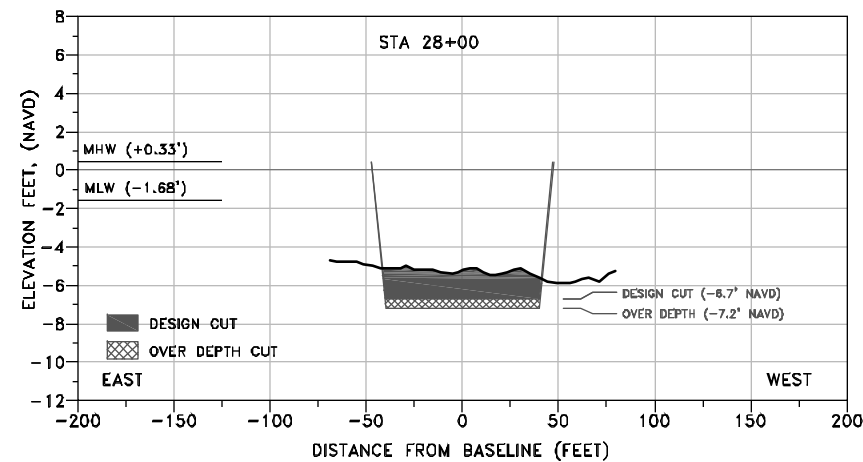
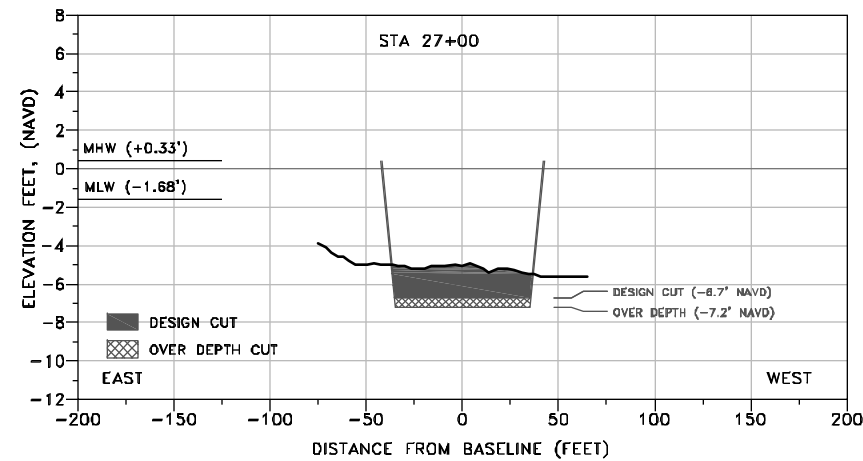
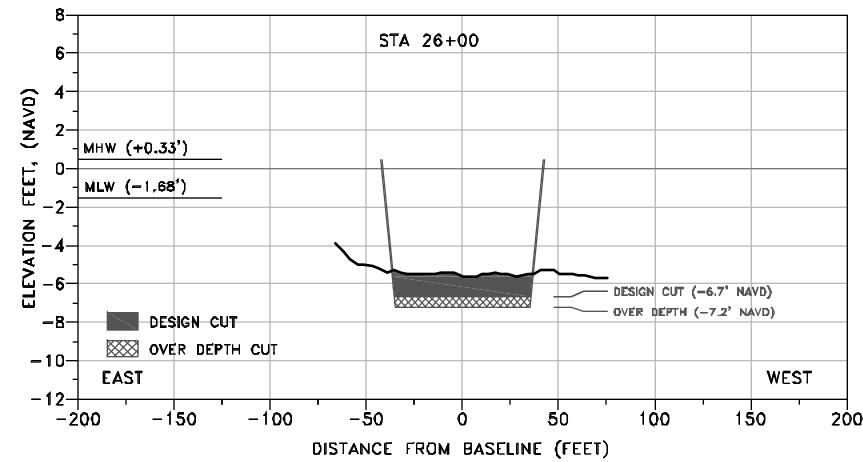
NOTES:

1. SURVEY BY SEA DIVERSIFIED INC., JANUARY 15, 2019.
2. DESIGN DEPTH -5' MEAN LOW WATER.
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4. SIDESLOPES 1V:1H.



CROSS SECTIONS - EXCAVATION WATER TURKEY BAY MAINTENANCE DREDGING		
FOR: COLLIER COUNTY		
DATE: 5/20/19	FILE: AERIAL	SCALE: SHOWN
JOB:	DATUM: NONE	SHEET: 6

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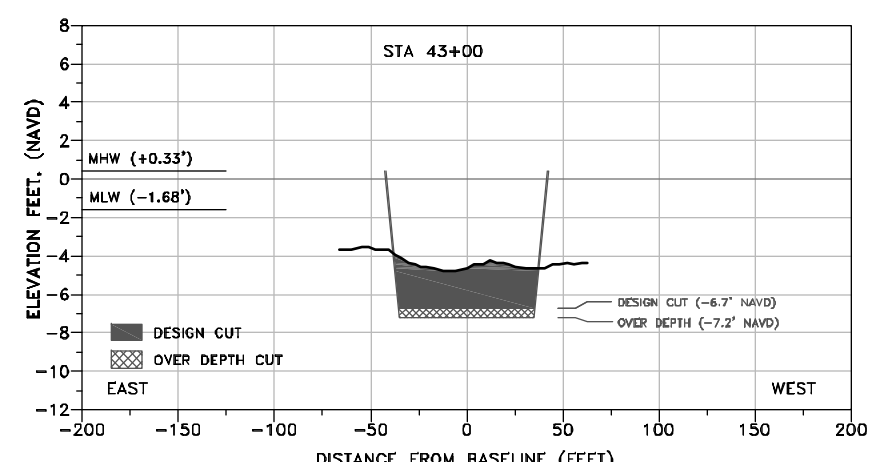
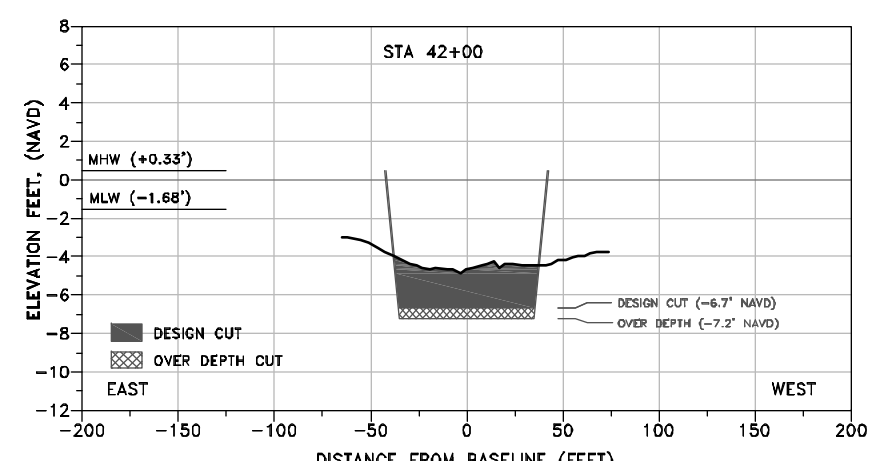
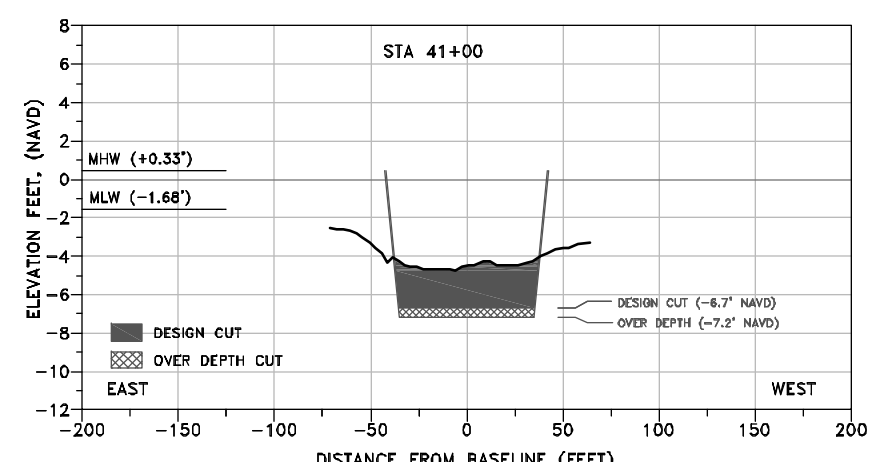
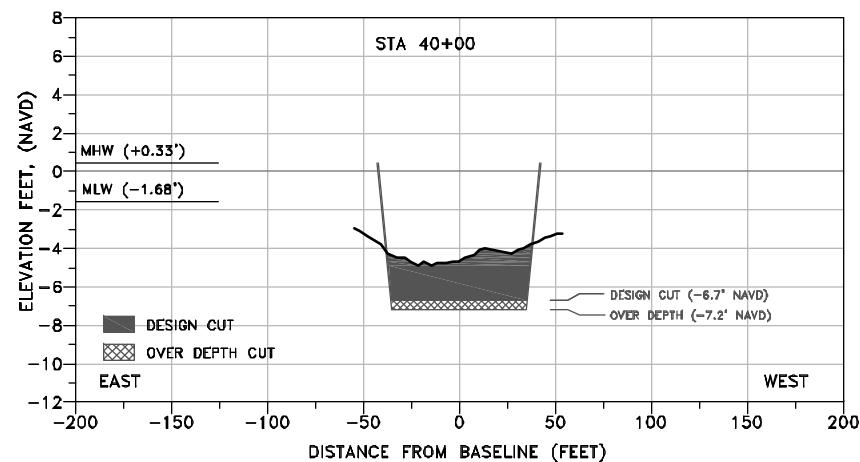
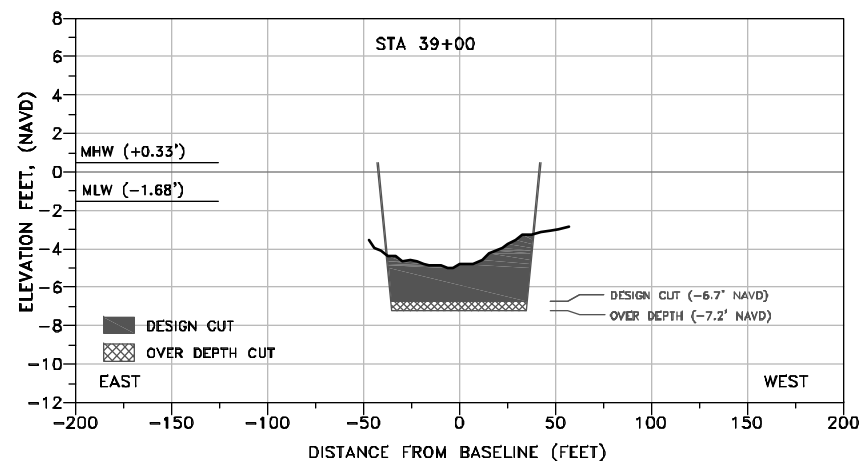
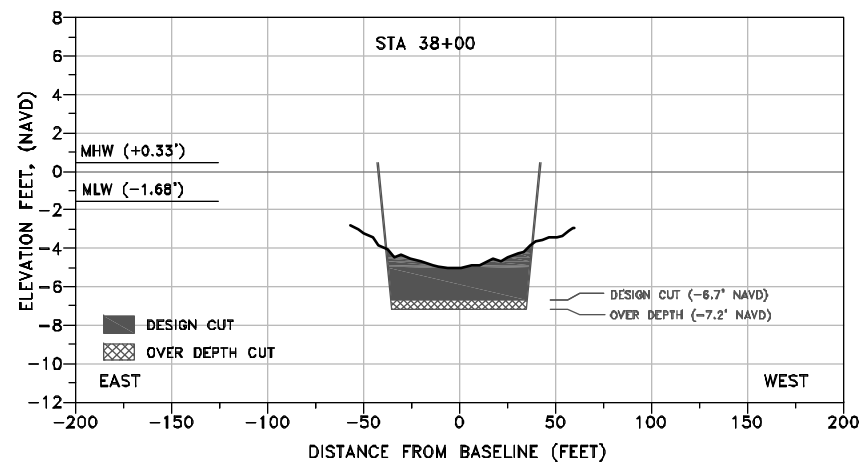
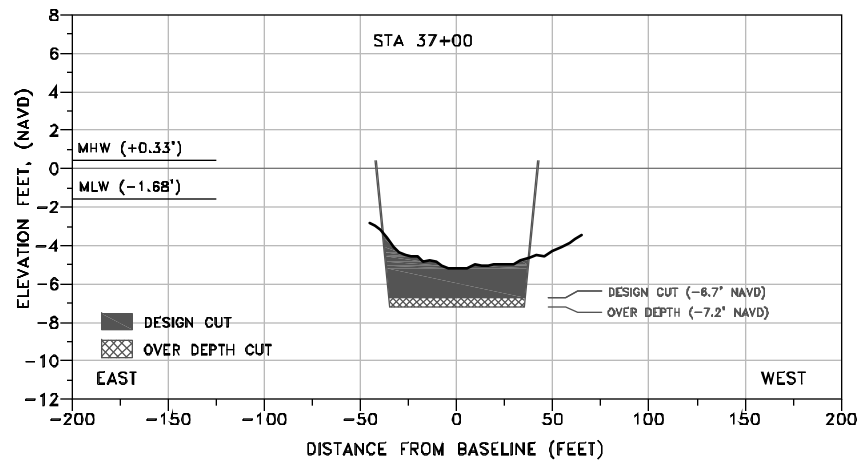
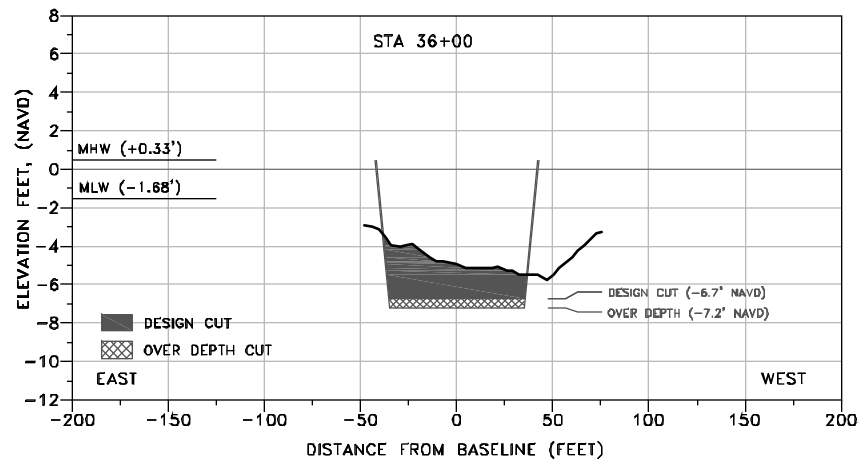
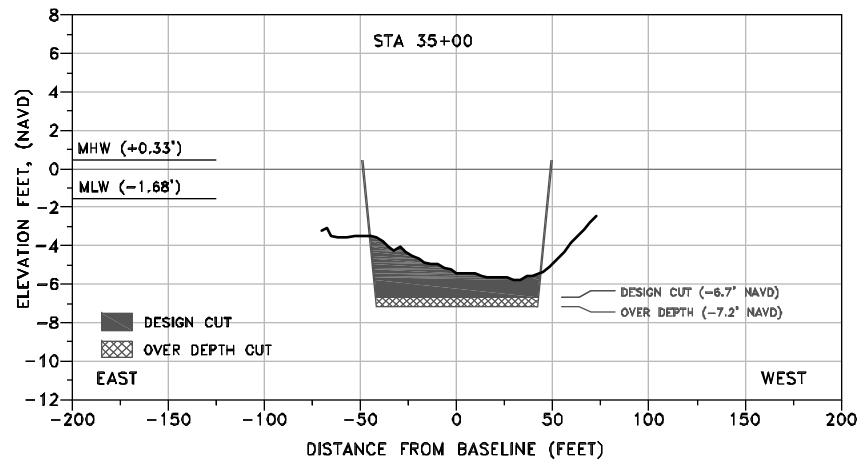
NOTES:

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CROSS SECTIONS - EXCAVATION WATER TURKEY BAY MAINTENANCE DREDGING		
FOR: COLLIER COUNTY		
DATE: 5/20/19	FILE: AERIAL	SCALE: SHOWN
JOB:	DATUM: NONE	SHEET: 7

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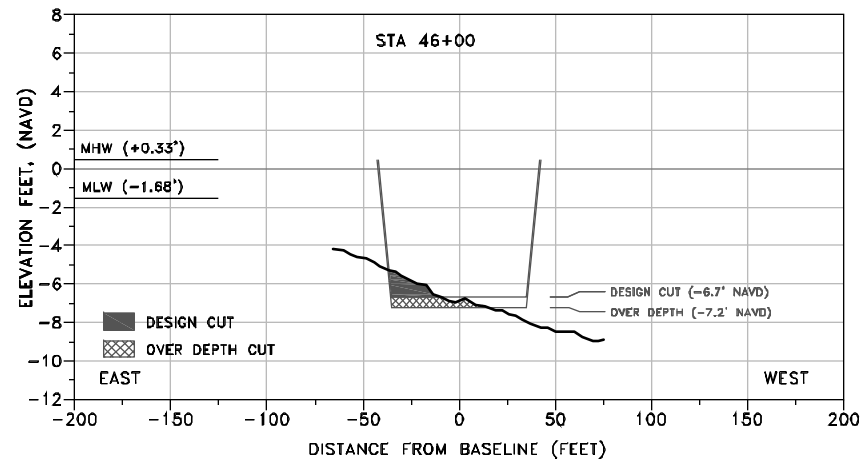
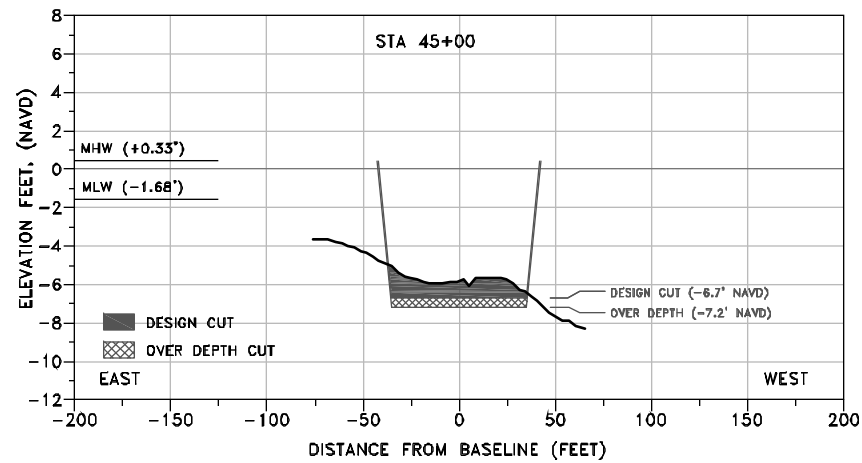
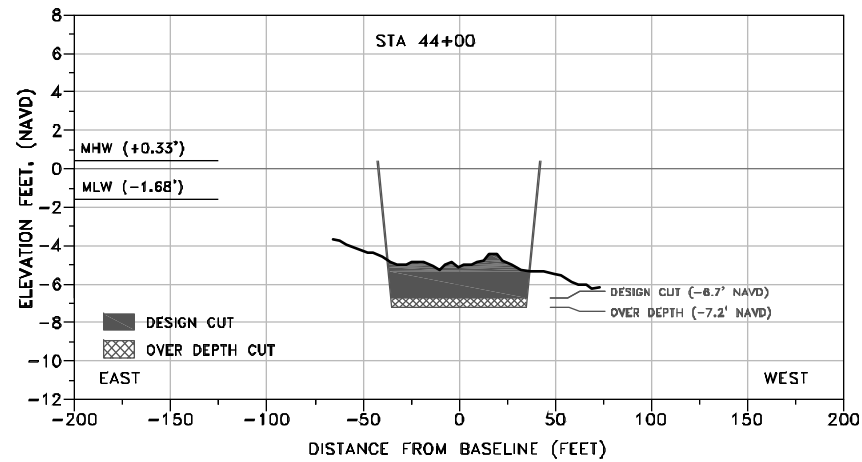
NOTES:

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CROSS SECTIONS - EXCAVATION		
WATER TURKEY BAY MAINTENANCE DREDGING		
FOR: COLLIER COUNTY		
DATE: 5/20/19	FILE: AERIAL	SCALE: SHOWN
JOB:	DATUM: NONE	SHEET: 8


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NOTES:

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3. OVERDEPTH 0.5'.
4. SIDESLOPES 1V:1H.

Water Turkey Bay - Station Locations and Dredge Quantity									
Station Location				Dredge Density		Dredge Quantity			
Station	Northing	Easting	Effective Azimuth	Distance	Template Tolerance	Template Tolerance	Template Tolerance	Template Tolerance	Total
(feet)	(feet)	(feet)	degrees	(feet)	(cy/ft)	(cy/ft)	(cy)	(cy)	(cy)
-1+00	711,907.43	385,160.78	270	100	0.0	0.0	0	0	0
0+00	711,807.56	385,160.21	270	100	1.2	1.5	124	151	275
1+00	711,707.70	385,159.91	270	100	0.0	1.1	0	106	106
2+00	711,607.83	385,159.34	270	100	0.8	2.2	76	221	296
3+00	711,507.97	385,158.77	270	100	10.0	1.8	1,000	179	1,179
4+00	711,408.13	385,156.79	272	100	10.3	2.1	1,026	213	1,239
5+00	711,308.30	385,154.06	272	100	8.6	2.0	865	204	1,069
6+00	711,208.47	385,151.32	272	100	6.4	1.9	636	195	830
7+00	711,108.65	385,148.56	272	100	4.6	1.9	457	191	648
8+00	711,008.82	385,145.86	272	100	3.1	1.8	311	183	493
9+00	710,908.99	385,143.09	272	100	2.0	1.7	199	170	369
10+00	710,809.16	385,140.39	272	100	3.2	1.6	318	157	475
11+00	710,709.33	385,137.63	272	100	3.3	1.5	330	150	480
12+00	710,609.50	385,134.90	272	100	3.6	1.4	359	141	500
13+00	710,510.51	385,132.19	272	100	3.5	1.3	354	132	486
14+00	710,410.67	385,145.37	262	100	6.5	1.9	654	187	841
15+00	710,314.63	385,169.29	247	100	7.1	2.0	711	201	911
16+00	710,222.77	385,208.47	247	100	6.6	1.5	663	151	814
17+00	710,130.91	385,247.65	250	100	5.0	1.1	500	113	613
18+00	710,037.17	385,282.08	250	100	2.6	0.9	257	86	344
19+00	709,943.39	385,316.41	250	100	1.0	0.6	102	57	159
20+00	709,849.61	385,350.73	250	100	0.6	0.8	56	76	131
21+00	709,755.82	385,385.05	250	100	1.1	1.3	109	133	242
22+00	709,666.54	385,429.78	243	100	1.9	1.3	187	133	321
23+00	709,577.30	385,474.60	243	100	1.7	1.3	173	133	307
24+00	709,489.48	385,518.69	243	100	2.1	1.3	210	134	344
25+00	709,398.80	385,564.23	243	100	3.1	1.4	307	135	442
26+00	709,309.56	385,609.04	243	100	3.2	1.4	318	135	453
27+00	709,220.21	385,653.64	243	100	4.1	1.4	406	136	541
28+00	709,128.93	385,694.17	243	100	4.4	1.5	438	153	591
29+00	709,037.66	385,734.70	243	100	4.2	1.7	421	170	590
30+00	708,946.48	385,775.42	243	100	3.9	1.9	386	187	572
31+00	708,855.11	385,815.75	243	100	8.1	2.0	808	199	1,007
32+00	708,763.83	385,856.28	243	100	11.3	2.2	1,127	217	1,344
33+00	708,670.13	385,890.24	253	100	10.0	2.1	1,000	206	1,206
34+00	708,574.71	385,919.72	253	100	7.5	1.8	752	181	933
35+00	708,479.33	385,949.29	253	100	5.2	1.6	522	155	677
36+00	708,383.07	385,979.23	253	100	5.2	1.3	519	130	648
37+00	708,285.91	386,002.29	257	100	5.1	1.3	507	130	636
38+00	708,188.74	386,025.35	257	100	5.5	1.3	549	130	678
39+00	708,091.57	386,048.41	257	100	6.2	1.3	617	130	747
40+00	707,994.40	386,071.46	257	100	6.2	1.3	617	130	747
41+00	707,897.24	386,094.52	257	100	5.9	1.3	595	130	724
42+00	707,800.07	386,117.58	257	100	5.9	1.3	593	130	723
43+00	707,702.90	386,140.63	257	100	5.8	1.3	584	130	713
44+00	707,606.64	386,163.47	257	100	4.7	1.3	471	130	601
45+00	707,508.57	386,186.75	257	100	2.4	1.3	240	134	374
46+00	707,412.31	386,209.59	257	100	0.7	0.7	74	75	149
Total							21,525	7,046	28,571



**HUMISTON
& MOORE
ENGINEERS**
COASTAL
ENGINEERING DESIGN
AND PERMITTING

CROSS SECTIONS – EXCAVATION
WATER TURKEY BAY MAINTENANCE DREDGING
FOR: COLLIER COUNTY

DATE: 5/20/19

FILE: AERIAL

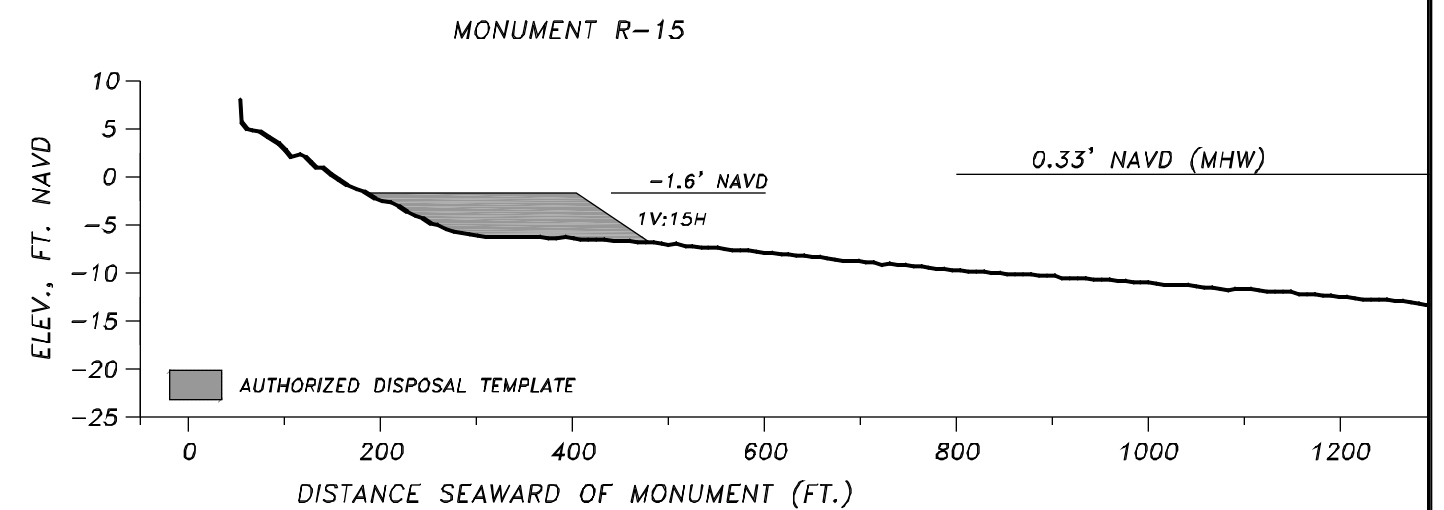
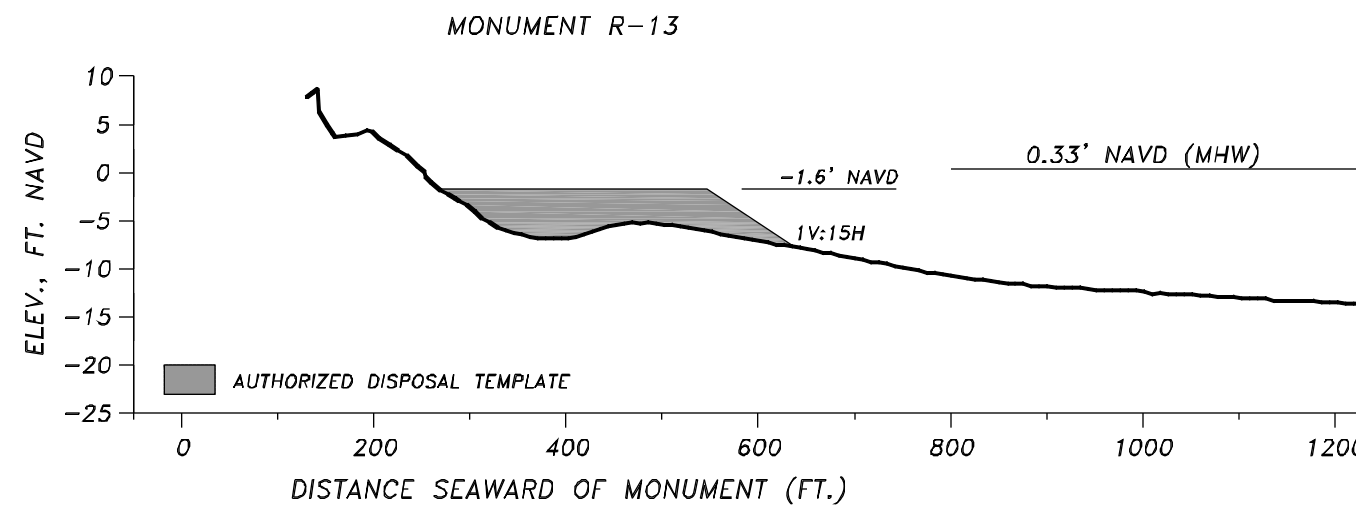
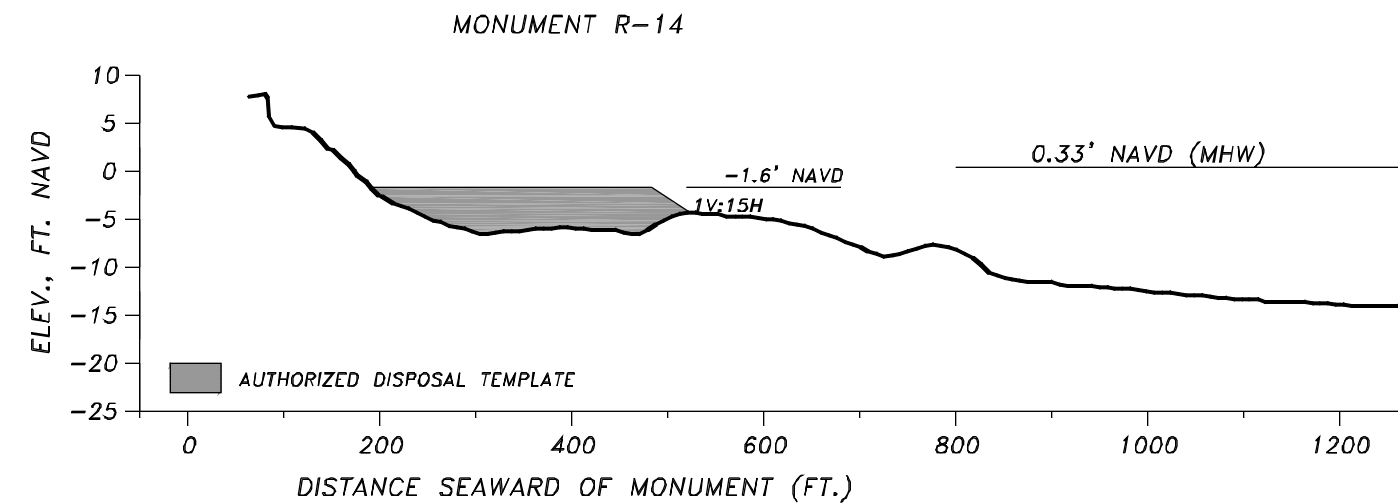
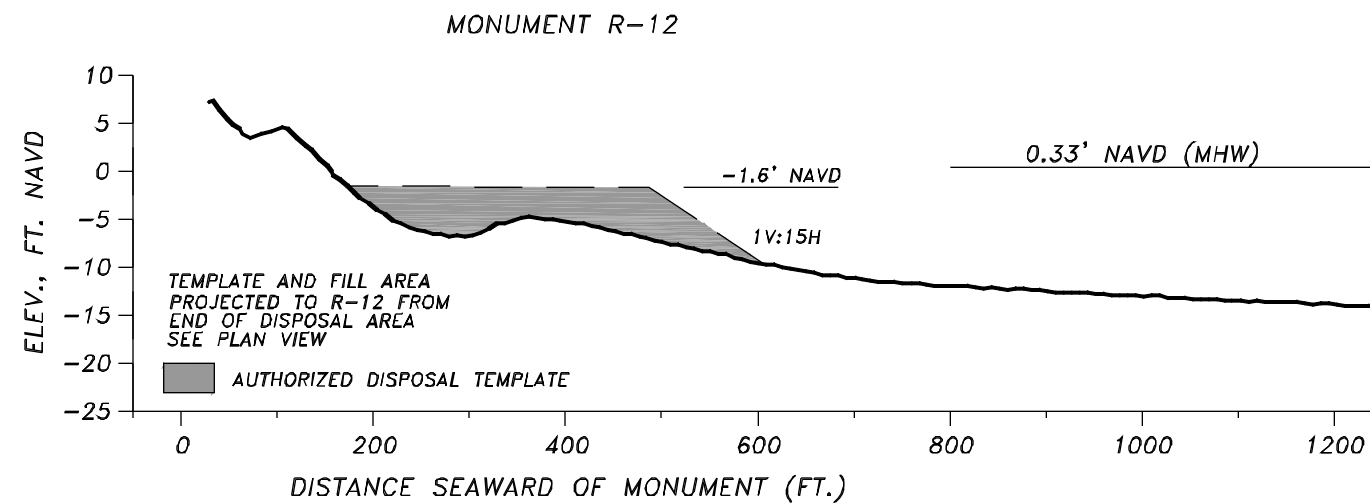
SCALE: SHOWN

JOB:

DATUM: NONE

SHEET: 9

5679 STRAND COURT
NAPLES, FL 34110
FAX: (239) 594-2025
PHONE: (239) 594-2021
www.humistonandmoore.com



Fill Template - Permitted Capacity			
Location	Effective Distance ft	Fill Density cy/ft	Total Capacity cy
R-12	518.5	57.3	29,689
R-13	1,015.0	46.8	47,517
R-14	1,011.0	45.0	45,458
R-15	965.0	35.0	33,811
Total			156,474

NOTES:

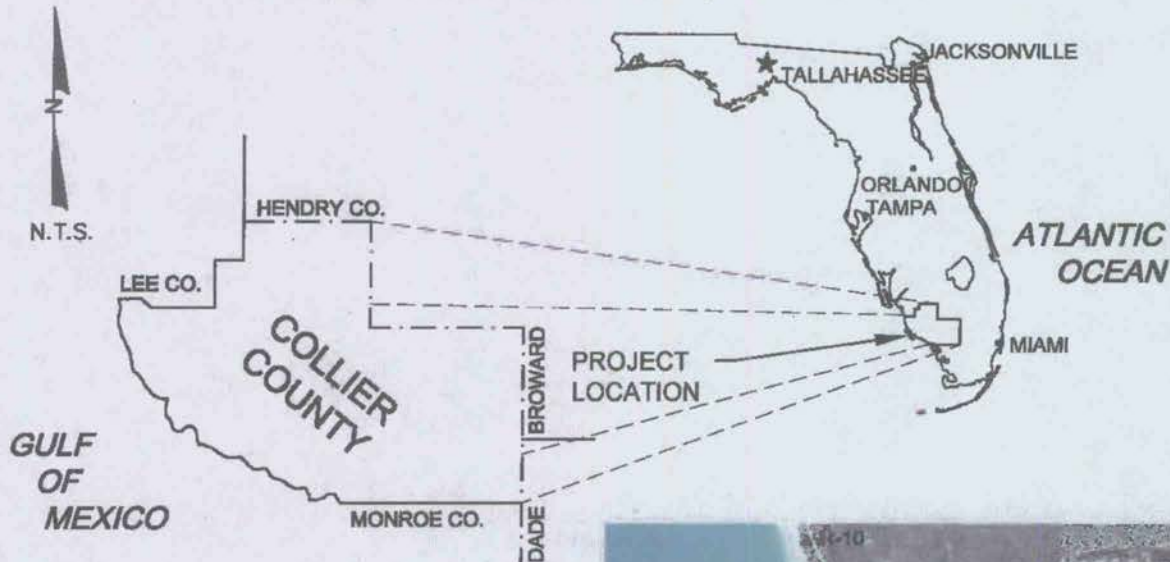
1. BEACH PROFILE SURVEY DATED JULY 10, 2018 BY TERRAQUATIC, INC.
2. FILL TEMPLATE BASED UPON APPROVED JCP PERMIT DRAWINGS DATED 1/13/12.



CROSS SECTIONS - FILL AREA		
WATER TURKEY BAY MAINTENANCE DREDGING		
FOR: COLLIER COUNTY		
DATE: 5/20/19	FILE: AERIAL	SCALE: SHOWN
JOB:	DATUM: NONE	SHEET: 10

5679 STRAND COURT
NAPLES, FL 34110
FAX: (239) 594-2025
PHONE: (239) 594-2021
www.humistonandmoore.com

WIGGINS PASS MAINTENANCE DREDGING AND NAVIGATION IMPROVEMENT PROJECT COLLIER COUNTY, FLORIDA



WIGGINS PASS
MAINTENANCE DREDGING AND NAVIGATION IMPROVEMENT PROJECT
COVER SHEET

SHEET INDEX

- 1 COVER SHEET
- 2 CONTROL DATA
- 3 PROJECT LOCATION MAP
- 4 NORTH DISPOSAL AREA PLAN VIEW
- 5-6 NAVIGATION CHANNEL PLAN VIEW
- 7 SOUTH DISPOSAL AREA PLAN VIEW
- 8 2009 BATHYMETRY AND HISTORIC SHORELINES
- 9 HISTORIC DATA
- 10 LONGITUDINAL PROFILE OF CHANNEL
- 11-16 EBB SHOAL CHANNEL CROSS SECTIONS
- 17-28 FLOOD SHOAL CHANNEL CROSS SECTIONS
- 29-30 NORTH NEARSHORE BEACH FILL CROSS SECTIONS
- 31-32 NORTH ONSHORE BEACH FILL CROSS SECTIONS
- 33-34 SOUTH NEARSHORE BEACH FILL CROSS SECTIONS
- 35-36 SOUTH ONSHORE BEACH FILL CROSS SECTIONS
- 37 OFFSHORE DISPOSAL AREA / BORROW AREA LOCATION MAP
- 38 OFFSHORE DISPOSAL AREA / BORROW AREA PLAN VIEW

GULF OF MEXICO

PROJECT AREA

0 1250 2500
GRAPHIC SCALE IN FT



COASTAL PLANNING & ENGINEERING, INC.
PH: (904) 891-4100
FAX: (904) 891-0116
C.O.A. FL. 0003
C.O.A. LA. 0001



DATE: 1/13/12
BY: GK

NOT FOR CONSTRUCTION
FOR REGULATORY REVIEW ONLY

REVISIONS		
DATE	BY	DESCRIPTION
4/9/12	SK	RAI #1 RESPONSE

COMM NO.: 8500.83
SHEET: 1

6-6-12

DATE

PERMIT # 142538008

STEPHEN KECHN, P.E. NO. 34867

Wiggins Pass EA Geo RAI Inlet Management CAD/PERMIT/850083 CS AND PV.dwg - May 21, 2012 @ 10:11F



WIGGINS PASS INLET CONTROL DATA

DEP GIVEN CONTROL			
MON ID	M. DATE	NORTHING	EASTING
R-0	JAN1973	717953.900	382267.400
R-1	JAN1973	716979.200	382597.600
R-2	JAN1973	716076.300	382815.000
R-3	JAN1973	715004.900	383155.000
R-4	JAN1973	714033.900	383589.300
R-5	JAN1973	713027.600	383618.900
R-6	JAN1973	711997.000	383784.400
R-7	JAN1973	710889.500	383927.400
R-8	JAN1973	709906.700	384127.000
R-9	JAN1973	708876.000	384326.000
R-20	JAN1973	707866.600	384517.500
R-21	JAN1973	706858.300	384728.900
R-22	JAN1973	705839.500	384938.900

INLET INTERIOR CHANNEL STATIONS			
STATION NO.	NORTHING	EASTING	AZ
C1	711973.90	383950.20	195.5
C2	711980.40	383708.50	195.5
C3	711998.90	383757.00	195.5
C4	712011.40	383805.40	195.5
C5	712023.90	383853.80	195.5
C6	712036.50	383902.20	195.5
C7	712049.10	383950.60	195.5
C8	712061.70	384005.90	195.5
C9	712111.00	384192.70	195.5
C10	712136.00	384289.50	195.5
C11	712161.70	384386.30	195.5
C12	712186.70	384483.10	195.5
C13	712211.70	384579.90	195.5
C14	712236.80	384676.80	195.5
C15	712261.80	384773.60	195.5
C16	712286.80	384870.40	195.5
C17	712311.50	384967.20	195.5
C18	712336.50	385064.00	195.5
C19	712362.00	385160.80	195.5
C20	712387.00	385257.60	195.5
C21	712412.00	385354.50	195.5
C22	712437.10	385451.30	195.5
C23	712462.10	385548.10	195.5
C24	712487.10	385644.90	195.5
C25	712512.20	385741.70	195.5
C26	712537.20	385838.50	195.5
C27	712562.30	385935.30	195.5
C28	712587.30	386032.20	195.5
C29	711610.50	386254.10	255.5
C30	711710.90	386254.10	255.5
C31	711610.30	386254.10	255.5
C32	711510.30	386254.10	255.5
C33	711410.30	386254.10	255.5
C34	711310.30	386254.10	255.5
CN 35	712272.0	385229.6	83.0
CN 36	712577.0	385301.7	109.0
CN 37	713147.9	385350.9	133.0

NOT FOR CONSTRUCTION No. 34857
FOR REGULATORY REVIEW ONLY

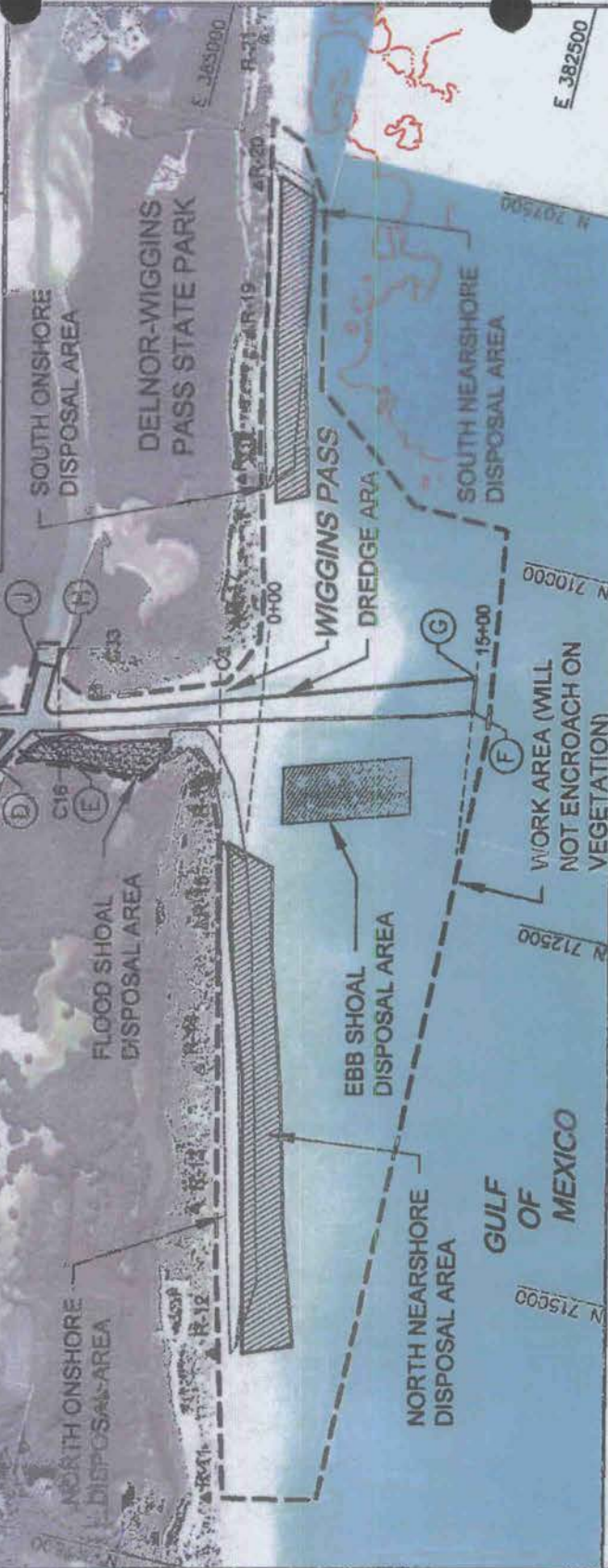
STATE OF
STEPHEN KEEHN P.E. No. 34857 FLORIDA



66-12
DATE

PERMIT # 142538008

CONTROL TABLE INLET TEMPLATE			
CONTROL POINT	EASTING	NORTHING	
A	385996.7	712067.1	
B	385991.8	712147.5	
C	385399.7	712292.5	
D	385330.2	712284.1	
E	385150.0	711982.7	
F	385136.2	711116.9	
G	382168.7	710879.1	
H	385100.7	711505.9	
J	385219.6	711505.2	



LEGEND:

- ▲ R-13 FDEP MONUMENTS
- WORK AREA
- 2009 CPE HARDBOTTOM
- C3 SELECTED CROSS SECTIONS

NOTES:

- COORDINATES ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83).
- 2009 AERIAL PHOTOGRAPHY FROM COLLIER COUNTY PROPERTY APPRAISER OFFICE.
- ONSHORE BEACH DISPOSAL AND SCARP REPAIR ARE PENDING ON CLARIFICATION TO MANAGEMENT PLANS.



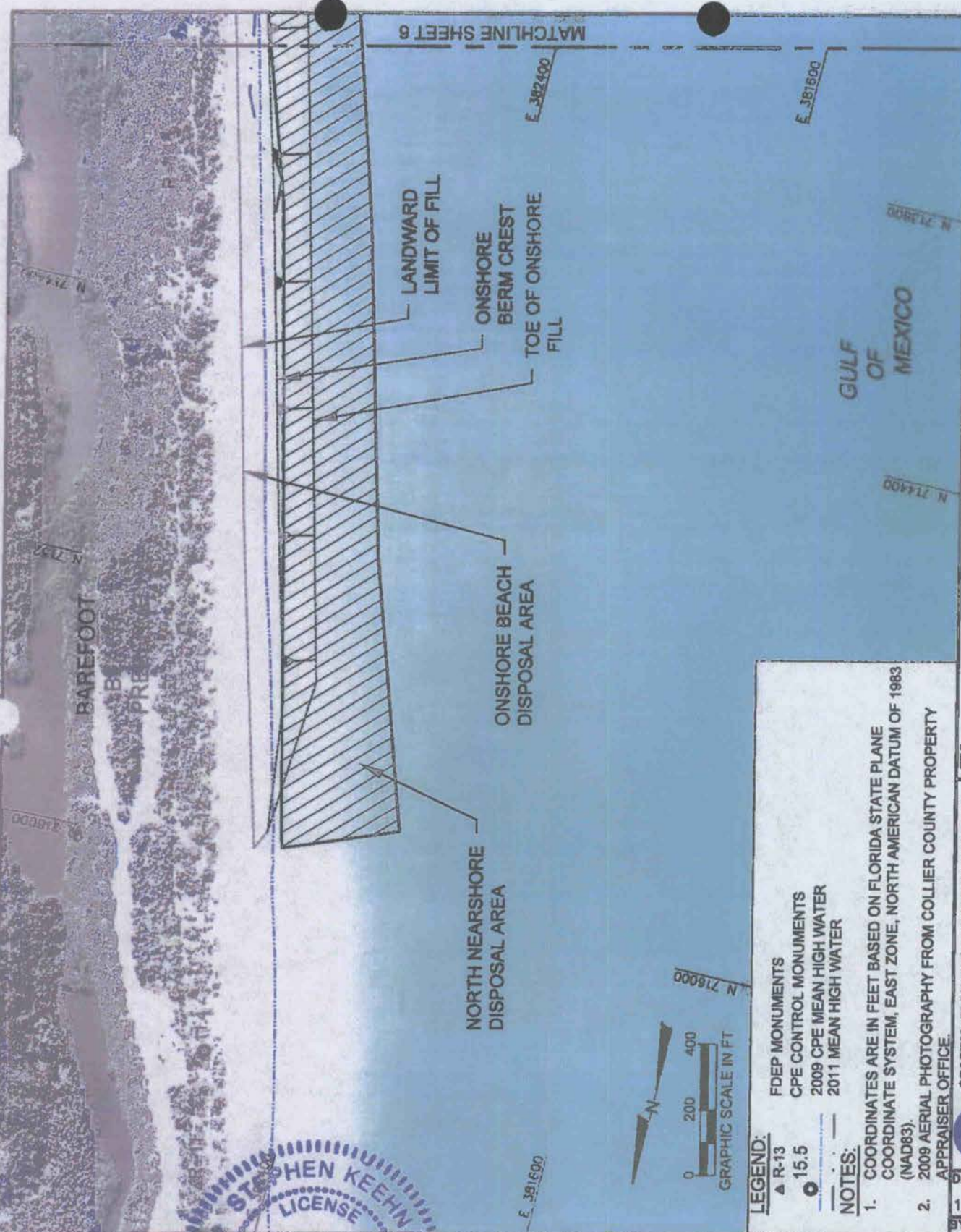
COASTAL PLANNING & ENGINEERING, INC.
4401 NW 36TH AVENUE, SUITE 200
FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 361-2502
FAX: (954) 361-4718
WWW.COASTALPLANNING.COM

DATE: 1/13/12
BY: GK

COMM NO.: 8500.83
SHEET: 3

WIGGINS PASS
MAINTENANCE DREDGING AND NAVIGATION IMPROVEMENT PROJECT
PROJECT LOCATION MAP

P:\Collier\05 Wiggins Pass EA Geo RAI Inlet Management\CAD\PERMIT\51500083 CS AND PV.dwg - Apr 09, 2012 @ 11:05 AM
P:\Collier\05 Wiggins Pass EA Geo RAI Inlet Management\CAD\PERMIT\51500083 CS AND PV.dwg - Apr 09, 2012 @ 11:05 AM



NOT FOR CONSTRUCTION No. 34857
FOR REGULATOR REVIEW ONLY
STATE OF FLORIDA
STEPHEN KEEHN P.E. NO. 34857
PROFESSIONAL ENGINEER

6-6-12
DATE

LEGEND:
FDEP MONUMENTS
CPE CONTROL MONUMENTS
2009 CPE MEAN HIGH WATER
2011 MEAN HIGH WATER

NOTES:
1. COORDINATES ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83).
2. 2009 AERIAL PHOTOGRAPHY FROM COLLIER COUNTY PROPERTY APPRAISER OFFICE.

REVISIONS		
DATE	BY	DESCRIPTION
4/9/12	SK	RAI #1 RESPONSE

DATE: 1/13/12
BY: GK
COMM NO.: 8500.83
SHEET: 4

WIGGINS PASS
MAINTENANCE DREDGING AND NAVIGATION IMPROVEMENT PROJECT
NORTH DISPOSAL AREA PLAN VIEW

COASTAL PLANNING & ENGINEERING, INC.
3811 NW BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
TEL: (561) 994-0900
FAX: (561) 994-0976
C.O.G. # 00000000
C.O.G. # 00000000
www.CoastalPlanning.com

PERMIT # 142538008

ATTACHMENT II

SELF-CERTIFICATION STATEMENT OF COMPLIANCE

*Within sixty (60) days of completion of the authorized work, submit this form via electronic mail to saj-rd-enforcement@usace.army.mil (preferred, not to exceed 15MB) **or** by standard mail to U.S. Army Corps of Engineers, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.*

1. **Department of the Army Permit Number:** SAJ-_____ - _____ (____ - ____)
2. **Permittee Information:** Name: _____
Email: _____
Address: _____

Phone: _____
3. **Date Authorized Work Started:** _____ **Completed:** _____
4. **Contact to Schedule Inspection:** Name: _____
Email: _____
Phone: _____
5. **Description of Authorized Work (e.g. bank stabilization, fill placed within wetlands, docks, dredging, etc.):** _____

6. **Acreage or Square Feet of Impacts to Waters of the United States:** _____
7. **Describe Mitigation completed (if applicable):** _____

8. **Describe any Deviations from Permit (attach drawing(s) depicting the deviations):**

I certify that all work and mitigation (if applicable) was done in accordance with the limitations and conditions as described in the permit. Any deviations as described above are depicted on the attached drawing(s).

Signature of Permittee

Printed Name of Permittee

Date

Dated 9/18/2019

ATTACHMENT III

COMMENCEMENT NOTIFICATION

*Within ten (10) days of initiating the authorized work, submit this form via electronic mail to saj-rd-enforcement@usace.army.mil (preferred, not to exceed 15 MB) **or** by standard mail to U.S. Army Corps of Engineers, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.*

1. Department of the Army Permit Number: SAJ-____-____(____-____)

2. Permittee Information:

Name: _____

Email: _____

Address: _____

Phone: _____

3. Construction Start Date: _____

4. Contact to Schedule Inspection:

Name: _____

Email: _____

Phone: _____

Signature of Permittee

Printed Name of Permittee

Date

ATTACHMENT IV



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Southeast Regional Office
263 13th Avenue South
St. Petersburg, FL 33701

SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS

The permittee shall comply with the following protected species construction conditions:

- a. The permittee shall instruct all personnel associated with the project of the potential presence of these species and the need to avoid collisions with sea turtles and smalltooth sawfish. All construction personnel are responsible for observing water-related activities for the presence of these species.
- b. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing sea turtles or smalltooth sawfish, which are protected under the Endangered Species Act of 1973.
- c. Siltation barriers shall be made of material in which a sea turtle or smalltooth sawfish cannot become entangled, be properly secured, and be regularly monitored to avoid protected species entrapment. Barriers may not block sea turtle or smalltooth sawfish entry to or exit from designated critical habitat without prior agreement from the National Marine Fisheries Service's Protected Resources Division, St. Petersburg, Florida.
- d. All vessels associated with the construction project shall operate at "no wake/idle" speeds at all times while in the construction area and while in water depths where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will preferentially follow deep-water routes (e.g., marked channels) whenever possible.
- e. If a sea turtle or smalltooth sawfish is seen within 100 yards of the active daily construction/dredging operation or vessel movement, all appropriate precautions shall be implemented to ensure its protection. These precautions shall include cessation of operation of any moving equipment closer than 50 feet of a sea turtle or smalltooth sawfish. Operation of any mechanical construction equipment shall cease immediately if a sea turtle or smalltooth sawfish is seen within a 50-ft radius of the equipment. Activities may not resume until the protected species has departed the project area of its own volition.
- f. Any collision with and/or injury to a sea turtle or smalltooth sawfish shall be reported immediately to the National Marine Fisheries Service's Protected Resources Division (727-824-5312) and the local authorized sea turtle stranding/rescue organization.
- g. Any special construction conditions, required of your specific project, outside these general conditions, if applicable, will be addressed in the primary consultation.

Revised: March 23, 2006

O:\forms\Sea Turtle and Smalltooth Sawfish Construction Conditions.doc



ATTACHMENT V

STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

2011

The permittee shall comply with the following conditions intended to protect manatees from direct project effects:

- a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.
- b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.
- d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
- e. Any collision with or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida, and to FWC at ImperiledSpecies@myFWC.com
- f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8 ½" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. These signs can be viewed at MyFWC.com/manatee. Questions concerning these signs can be sent to the email address listed above.

CAUTION: MANATEE HABITAT

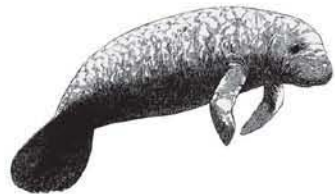
All project vessels

IDLE SPEED / NO WAKE

When a manatee is within 50 feet of work
all in-water activities must

SHUT DOWN

Report any collision with or injury to a manatee:



Wildlife Alert:

1-888-404-FWCC(3922)

cell *FWC or #FWC

ATTACHMENT VI

AS-BUILT CERTIFICATION BY PROFESSIONAL ENGINEER

*Within sixty (60) days of completion of the authorized work, submit this form and one set of as-built engineering drawings via electronic mail to saj-rd-enforcement@usace.army.mil (preferred, but not to exceed 15 MB) **or** by standard mail to U.S. Army Corps of Engineers, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019. If you have questions regarding this requirement, please contact the Enforcement Branch at 904-232-3131.*

1. Department of the Army Permit Number: SAJ-____-____ (____-____)

2. Permittee Information:

Name: _____

Address: _____

3. Project Site Identification (physical location/address):

4. As-Built Certification: I hereby certify that the authorized work, including any mitigation required by Special Conditions to the permit, has been accomplished in accordance with the Department of the Army permit with any deviations noted below. This determination is based upon on-site observation, scheduled and conducted by me or by a project representative under my direct supervision. I have enclosed one set of as-built engineering drawings.

Signature of Engineer

Name (*Please type*)

(FL, PR, or VI) Reg. Number

Company Name

City

State

ZIP

(Affix Seal)

Date

Telephone Number

Date Work Started:_____ Date Work Completed:_____

Identify any deviations from the approved permit drawings and/or special conditions (attach additional pages if necessary):

ATTACHMENT VII

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

PERMIT NUMBER: SAJ-_____-_____ (____-____)

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Section, Post Office Box 4970, Jacksonville, FL 32232-0019.

(TRANSFEREE-SIGNATURE)

(SUBDIVISION)

(DATE)

(LOT)

(BLOCK)

(NAME-PRINTED)

(STREET ADDRESS)

(MAILING ADDRESS)

(CITY, STATE, ZIP CODE)

VANDERBILT WATERWAYS MSTU
FUND 168
May 5, 2022
FY22

	Vendor	Item	PO#	Budget	Commitments	Expenditures	Total
1	CUR AD VALOREM TAX			\$ (403,500.00)	\$ -	\$ (381,447.17)	\$ (22,052.83)
3	OVERNIGHT INTEREST			\$ -	\$ -	\$ (120.49)	\$ 120.49
4	INVESTMENT INT.			\$ -	\$ -	\$ (744.95)	\$ 744.95
5	REVENUE STRUCTURE			\$ (403,500.00)	\$ -	\$ (382,312.61)	\$ (21,187.39)
6	TRANS FROM PROP. APPR.			\$ -	\$ -	\$ -	\$ -
7	TRANS FROM TAX COLL.			\$ -	\$ -	\$ -	\$ -
8	CARRY FOR OF ENCUMB AMT			\$ (187,200.00)	\$ -	\$ -	\$ (187,200.00)
9	NEG 5% EST REV			\$ 20,200.00	\$ -	\$ -	\$ 20,200.00
10	TRANSFERS & CONTRIB			\$ (167,000.00)	\$ -	\$ -	\$ (167,000.00)
11	TOTAL REVENUE			\$ (570,500.00)	\$ -	\$ (382,312.61)	\$ (188,187.39)
12	INDIRECT COST	Collier County	Direct Pay	\$ 5,000.00	\$ -	\$ 5,000.00	\$ -
13	OTHER CONTRACTUAL			\$ 82,500.00	\$ -	\$ -	\$ 82,500.00
14	RENT BUILDINGS	St. John the Evangelist Church	Meeting Room Rental	\$ -	\$ 300.00		
15	INSURANCE GENERAL			\$ 100.00	\$ 25.00	\$ 75.00	\$ -
16	OTHER MISCELLANEOUS	Premier Staffing	Transcriptionist Services	\$ 900.00	\$ 421.80	\$ 178.20	\$ 300.00
17	COPYING CHARGES	JM Todd	Copier Charges	\$ 200.00	\$ 46.20	\$ 68.08	\$ 85.72
18	OTHER OPER SUPPLIES			\$ 500.00	\$ -	\$ -	\$ 500.00
19	OPERATING EXPENSE			\$ 89,200.00	\$ 793.00	\$ 5,321.28	\$ 83,085.72
20	TRANS TO 111 UNINCOR			\$ 16,600.00	\$ -	\$ -	\$ 16,600.00
21	ADV/REPAY TO 001 GENERAL FUND			\$ 236,800.00	\$ -	\$ 236,800.00	\$ -
22	ADV/REPAY TO 111 UNINCORPORATED			\$ 1,000.00	\$ -	\$ -	\$ 1,000.00
23	Budget Trans from Appraiser			\$ 4,500.00	\$ -	\$ 2,365.08	\$ 2,134.92
24	Budget Trans from Tax Collector			\$ 12,900.00	\$ -	\$ 7,778.38	\$ 5,121.62
25	TRANSFERS			\$ 271,800.00	\$ -	\$ 246,943.46	\$ 24,856.54
26	RESV FOR CAPITAL			\$ 209,500.00	\$ -	\$ -	\$ 209,500.00
27	RESERVES			\$ 209,500.00	\$ -	\$ -	\$ 209,500.00
28	TOTAL BUDGET			\$ 570,500.00	\$ 793.00	\$ 252,264.74	\$ 317,442.26

Total Available Balance \$ 317,442.26
Plus Committed And Not Spent \$ 793.00

Estimated Cash \$ 318,235.26

**Estimated Cash Less
Uncollected Ad Valorem Taxes \$ 296,182.43**

Vanderbilt Waterway Maintenance Plan FY 23

Category	Sub Category	Type / Location	(Current) OMS Numbers	Quantity	Units	Year (Install)	Year (Replace)	\$Cost (then YR)	Annual Reserve Addition	Annual Maint
VB Channel	Eng. Survey	Bluebill to Cocohatchee R	1	1	EA	2020	2024 (Tentative)	\$30,000	\$15,000	NA
	Dredge	Bluebill to Cocohatchee R	1	1	EA	2020	2032	\$1,600,000	\$177,800	NA

MSTU will pay off loan in FY 22 and will start maintenance plan by placing funds in reserve in FY 23

VANDERBILT WATERWAYS MSTU
FUND 168 Millage 0.3 ub FY 22
FY23

	Vendor	Item	PO#	FY22 Budget	FY 22 estimated	FY 23 Budget
1		CUR AD VALOREM TAX		\$ (403,500.00)	\$ (403,500.00)	\$ (443,000.00)
3		OVERNIGHT INTEREST		\$ -		
4		INVESTMENT INT.		\$ -		
5		REVENUE STRUCTURE		\$ (403,500.00)	\$ (403,500.00)	\$ (443,000.00)
6		TRANS FROM PROP. APPR.		\$ -		
7		TRANS FROM TAX COLL.		\$ -		
8		CARRY FOR OF ENCUMB AMT		\$ (187,200.00)	\$ (187,200.00)	\$ (292,000.00)
9		NEG 5% EST REV		\$ 20,200.00	\$ 20,200.00	\$ 22,150.00
10		TRANSFERS & CONTRIB		\$ (167,000.00)	\$ (167,000.00)	\$ (269,850.00)
11		TOTAL REVENUE		\$ (570,500.00)	\$ (570,500.00)	\$ (712,850.00)
13	Collier County	INDIRECT COST	Direct Pay	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
14		OTHER CONTRACTUAL		\$ 82,500.00	\$ -	\$ 100,000.00
15		INSURANCE GENERAL		\$ 100.00	\$ 100.00	\$ 100.00
16	Premier Staffing	OTHER MISCELLANEOUS	Transcriptionist Services	\$ 900.00	\$ 900.00	\$ 900.00
17	JM Todd	COPYING CHARGES	Copier Lease	\$ 200.00	\$ 200.00	\$ 200.00
18		OTHER OPER SUPPLIES		\$ 500.00	\$ 500.00	\$ 500.00
19		OPERATING EXPENSE		\$ 89,200.00	\$ 6,700.00	\$ 106,700.00
20		TRANS TO 111 UNINCOR		\$ 16,600.00	\$ 16,600.00	\$ 16,600.00
21		ADV/REPAY TO 001 GENERAL FUND		\$ 236,800.00	\$ 236,800.00	\$ -
22		ADV/REPAY TO 111 UNINCORPORATED		\$ 1,000.00	\$ 1,000.00	\$ 1,000.00
23		Budget Trans from Appraiser		\$ 4,500.00	\$ 4,500.00	\$ 4,500.00
24		Budget Trans from Tax Collector		\$ 12,900.00	\$ 12,900.00	\$ 12,900.00
25		TRANSFERS		\$ 271,800.00	\$ 271,800.00	\$ 35,000.00
26		RESV FOR CAPITAL		\$ 209,500.00	\$ 209,500.00	\$ 571,150.00
27		RESERVES		\$ 209,500.00	\$ 209,500.00	\$ 571,150.00
28		TOTAL BUDGET		\$ 570,500.00	\$ 488,000.00	\$ 712,850.00

Total Available Balance
Plus Committed And Not Spent

Estimated Cash

Estimated Cash Less
Uncollected Ad Valorem Taxes \$ -