



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

South District Office
P.O. Box 2549
Fort Myers, FL 33902-2549
SouthDistrict@dep.state.fl.us

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

VIA ELECTRONIC MAIL

August 14, 2014

Charlotte County BOCC
410 Taylor Street, Unit 104
Punta Gorda, FL 33950
joanne.vernon@charlottefl.com

Re: Charlotte County - ERP
File No. 08-0205961-005

Dear Ms. Vernon:

On **July 22, 2014**, we received your request for verification of exemption to perform the following activities:

maintenance dredge the north end of Elkham (50' wide x 335' long) and the lateral channel west of Elkam (50' to 375' wide x 2,100' long); Beeney (65' wide x 335' long) and the lateral channel west of Beeney (25' wide x 900' long); lateral channel between Beeney and Gardner (50' wide by 2,143' long); Gardner (65' wide x 200' long) and the lateral channel east of Gardner (25' to 50' wide x 775' long) to -5 MLW at Sunrise Waterway, Port Charlotte, Peach River, Class II, Outstanding Florida Waterbody and Gasparilla Sound-Charlotte Harbor Aquatic Preserve, Section 26, 34, 35 and 40, Township 40 South, Range 22 East, Charlotte County.

Your request has been reviewed to determine whether it meets the requirements for any of three kinds of authorization that may be necessary for work in wetlands or waters of the United States. The kinds of authorization are (1) regulatory authorization, (2) proprietary authorization (related to state-owned submerged lands), and (3) federal authorization. The authority for review and the outcomes of the reviews are listed below. Please read each section carefully. Your project **may not** have qualified for all three forms of authorization. If your project did not qualify for one or more of the authorizations, refer to the specific section dealing with that authorization for advice on how to obtain it.

1. Regulatory Review -VERIFIED

Based on the information submitted, the Department has verified that the activities as proposed are exempt, under Chapter 62-330.051,(7)(a), Florida Administrative Code, from the need to obtain a regulatory permit under part IV of Chapter 373 of the Florida Statutes.

This exemption verification is based on the information you provided the Department and the statutes and rules in effect when the information was submitted. This verification will expire after one year, and will not be valid at any other time if site conditions materially change, the project design is modified, or the statutes or rules governing the exempt activity are amended. However, the activity may still be conducted without further notification to or verification from the Department after the one-year expiration of this verification, provided: 1) the project design does not change; 2) site conditions do not materially change; and 3) there are no changes to the statutes or rules governing the exempt activity. In the event you need to re-verify the exempt status for the activity after the one-year expiration of this verification, a new application and verification fee will be required. Any substantial modifications to the project design should be submitted to the Department for review, as changes may result in a permit being required. Conditions of compliance with the regulatory exemption are contained in Attachment A.

General Conditions for Exemptions

The following apply when specified in an exemption in Rule 62-330.051, F.A.C.:

1. Activities shall not exceed a permitting threshold in section 1.2 of the applicable Volume II;
2. Construction, alteration, and operation shall not:
 - a. Adversely impound or obstruct existing water flow, cause adverse impacts to existing surface water storage and conveyance capabilities, or otherwise cause adverse water quantity or flooding impacts to receiving water and adjacent lands;
 - b. Cause an adverse impact to the minimum flows and levels established pursuant to Section 373.042, F.S.
 - c. Cause adverse impacts to a Work of the District established pursuant to Section 373.086, F.S.;
 - d. Adversely impede navigation or create a navigational hazard;
 - e. Cause or contribute to a violation of state water quality standards. Turbidity, sedimentation, and erosion shall be controlled during and after construction to prevent violations of state water quality standards, including any antidegradation provisions of paragraphs 62-4.242(1)(a) and (b), subsections 62-4.242(2) and (3) and Rule 62-302.300, F.A.C., and any special standards for Outstanding Florida Waters and Outstanding National Resource Waters due to construction-related activities. Erosion and sediment control best management

practices shall be installed and maintained in accordance with the guidelines and specifications described in the *State of Florida Erosion and Sediment Control Designer and Reviewer Manual* (Florida Department of Environmental Protection and Florida Department of Transportation, June 2007), incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-02530>), and the *Florida Stormwater Erosion and Sedimentation Control Inspector's Manual* (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008), incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-02531>).

3. When performed in waters accessible to federally- or state-listed aquatic species, such as manatees, marine turtles, smalltooth sawfish, and Gulf sturgeon, all in-water work shall comply with the following.

- a. All vessels associated with the project shall operate at "Idle Speed/No Wake" at all times while in the work area and where the draft of the vessels provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- b. All deployed siltation or turbidity barriers shall be properly secured, monitored, and maintained to prevent entanglement or entrapment of listed species.
- c. All in-water activities, including vessel operation, must be shutdown if a listed species comes within 50 feet of the work area. Activities shall not resume until the animal(s) has moved beyond a 50-foot radius of the in-water work, or until 30 minutes elapses since the last sighting within 50 feet. Animals must not be herded away or harassed into leaving. All on-site project personnel are responsible for observing water-related activities for the presence of listed species.
- d. Any listed species that is killed or injured by work associated with activities performed shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1(888)404-3922 and ImperiledSpecies@myFWC.com. Copies of incorporated materials identified above may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C.

2. Authorization to use state-owned (sovereign) submerged lands - GRANTED

The Department acts as staff to the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees) and issues certain authorizations for the use of sovereign submerged lands. The Department has the authority to review activities on sovereign submerged lands under chapters 253 and 258 of the Florida Statutes, and chapters 18-20 and 18-21 of the Florida Administrative Code.

The activity appears to be located on sovereign submerged lands owned by the Board of Trustees. The activity is not exempt from the need to obtain the applicable proprietary

authorization. As staff to the Board of Trustees, the Department has reviewed the activity described above, and has determined that the activity qualifies for a consent of use under section 253.77, Florida Statutes, to construct and use the activity on the specified sovereign submerged lands, as long as the work performed is located within the boundaries as described herein and is consistent with the terms and conditions herein.

General Conditions for State-Owned Submerged Land Authorizations:

(a) Authorizations are valid only for the specified activity or use. Any unauthorized deviation from the specified activity or use and the conditions for undertaking that activity or use shall constitute a violation. Violation of the authorization shall result in suspension or revocation of the grantee's use of the sovereignty submerged land unless cured to the satisfaction of the Board.

(b) Authorizations convey no title to sovereignty submerged land or water column, nor do they constitute recognition or acknowledgment of any other person's title to such land or water.

(c) Authorizations may be modified, suspended or revoked in accordance with their terms or the remedies provided in Sections 253.04 and 258.46, F.S., or Chapter 18-14, F.A.C.

(d) Structures or activities shall be constructed and used to avoid or minimize adverse impacts to sovereignty submerged lands and resources.

(e) Construction, use, or operation of the structure or activity shall not adversely affect any species which is endangered, threatened or of special concern, as listed in Rules 68A-27.003, 68A-27.004, and 68A-27.005, F.A.C.

(f) Structures or activities shall not unreasonably interfere with riparian rights. When a court of competent jurisdiction determines that riparian rights have been unlawfully affected, the structure or activity shall be modified in accordance with the court's decision.

(g) Structures or activities shall not create a navigational hazard.

(h) Structures shall be maintained in a functional condition and shall be repaired or removed if they become dilapidated to such an extent that they are no longer functional. This shall not be construed to prohibit the repair or replacement subject to the provisions of Rule 18-21.005, F.A.C., within one year, of a structure damaged in a discrete event such as a storm, flood, accident, or fire.

(i) Structures or activities shall be constructed, operated, and maintained solely for water dependent purposes, or for non-water dependent activities authorized under paragraph 18-21.004(1)(f), F.A.C., or any other applicable law.

Please be advised that any use of sovereign submerged lands without specific prior authorization from the Board of Trustees will be considered a violation of Chapter 253, Florida Statutes and may subject the affected upland riparian property owners to legal action as well as potential fines for the prior unauthorized use of sovereign land.

Authority for review - Chapter 253 and Chapter 258, F. S., and Chapter 18-21, F.A.C. and Chapter 18-20, F.A.C., and Section 62-330.075, F.A.C. as required.

3. SPGP Review -NOT APPROVED

Your proposed activity as outlined on your application and attached drawings **does not qualify** for Federal authorization pursuant to the State Programmatic General Permit and a **SEPARATE permit** or authorization **shall be required** from the Corps. A copy of your permit application has been forwarded to the Corps for their review. The Corps will issue their authorization directly to you or contact you if additional information is needed. If you have not heard from the Corps within 30 days from the date your application was received at the local FDEP Office, contact the Corps at the Fort Myers Regulatory Field Office at 239-334-1975, for status and further information. **Failure to obtain Corps authorization prior to construction could subject you to federal enforcement action by that agency.**

Authority for review - an agreement with the USACOE entitled "Coordination Agreement Between the U. S. Army Corps of Engineers (Jacksonville District) and the Florida Department of Environmental Protection, or Duly Authorized Designee, State Programmatic General Permit", Section 10 of the Rivers and Harbor Act of 1899, and Section 404 of the Clean Water Act.

Additional Information

This letter does not relieve you from the responsibility of obtaining other federal, state, or local authorizations that may be required for the activity.

Please retain this letter. The activities may be inspected by authorized state personnel in the future to insure compliance with appropriate statutes and administrative codes. If the activities are not in compliance, you may be subject to penalties under Chapter 373, F.S., and Chapter 18-14, F.A.C.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S.,

before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rule 28-106.201, F.A.C., a petition for an administrative hearing must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, any email address, any facsimile number, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant must be filed within 14 days of receipt of this written notice. Petitions filed

by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 days of publication of the notice or within 14 days of receipt of the written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who has asked the Department for notice of agency action may file a petition within 14 days of receipt of such notice, regardless of the date of publication. The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, before the applicable deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

FLAWAC Review

The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when the order is filed with the Clerk of the Department.

Judicial Review

Any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, M.S. 35, Tallahassee, Florida 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with

the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this action is filed with the Clerk of the Department.

Thank you for applying to the Submerged Lands and Environmental Resource Program. If you have any questions, please contact Patricia Clune by telephone at (239) 344-5639 or by e-mail at Patricia.Clune@dep.state.fl.us. When referring to this project, please reference the file number listed above.

Executed in Lee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Sincerely,



Patricia Clune
Environmental Specialist II
Submerged Lands and Environmental
Resources Program
South District

Attachments:

Attachment A
10 project drawing(s)

Copies furnished to:

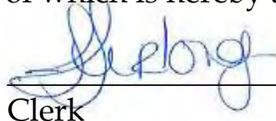
U.S. Army Corps of Engineers, Fort Myers, Corps # 2014-2143
Florida Coastal Office, Gasparilla Sound-Charlotte Harbor Aquatic

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this document and authorization to use sovereignty submerged lands, including all copies, was mailed before the close of business on August 14, 2014, to the above listed person(s).

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52(7), F.S., with the designated Department clerk, receipt of which is hereby acknowledged.


Clerk

August 14, 2014
Date

ATTACHMENT A

62-330.051 Exempt Activities.

The activities meeting the limitations and restrictions below are exempt from permitting. However, if located in, on, or over state-owned submerged lands, they are subject to a separate authorization under Chapters 253 and 258, F.S., and Chapters 18-18, 18-20, and 18-21, F.A.C., as applicable.

(7) Maintenance and Restoration –

(a) Maintenance dredging under Section 403.813(1)(f), F.S.
403.813(1)(f), F.S.:

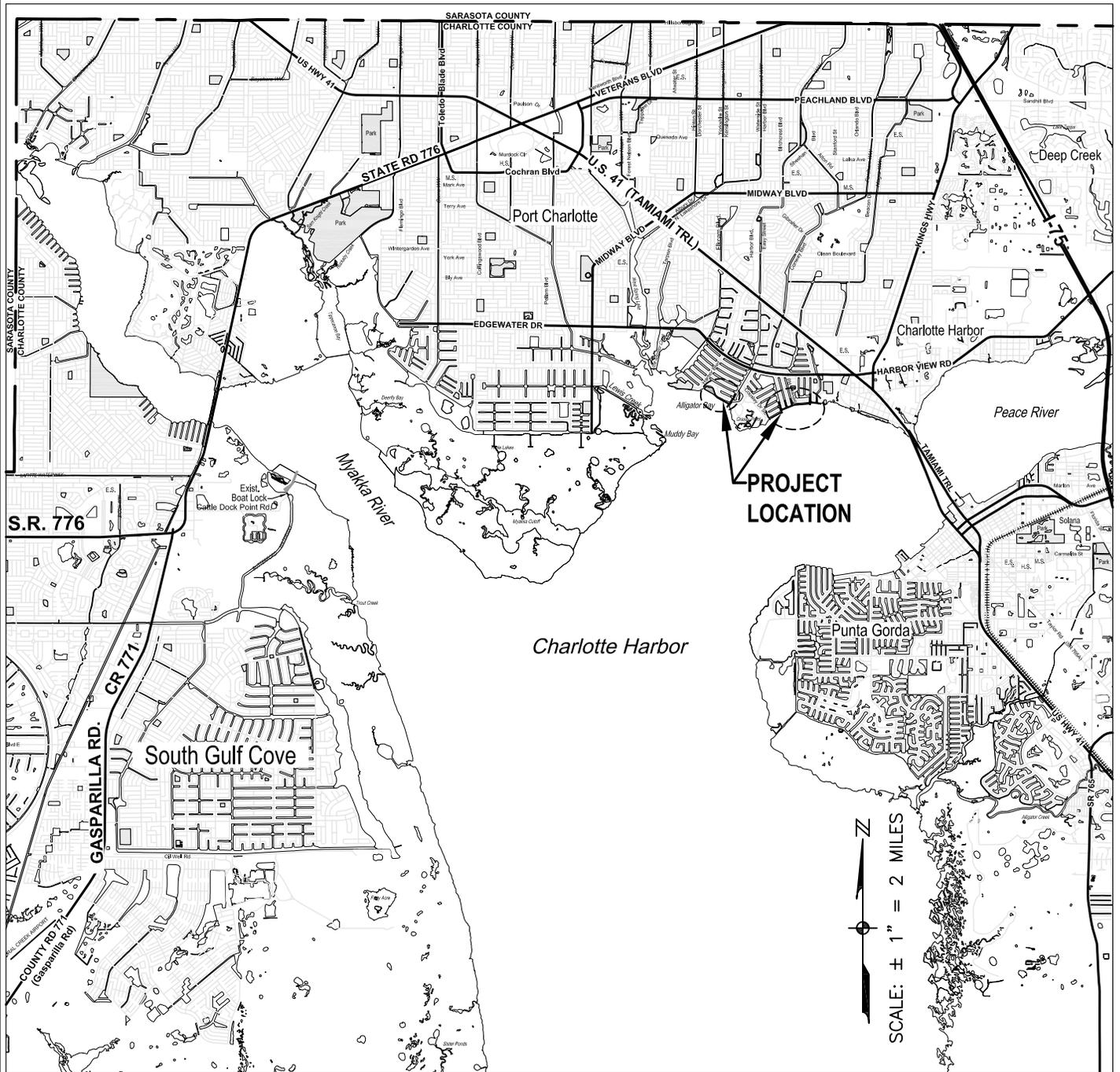
The performance of maintenance dredging of existing manmade canals, channels, intake and discharge structures, and previously dredged portions of natural water bodies within drainage rights-of-way or drainage easements which have been recorded in the public records of the county, where the spoil material is to be removed and deposited on a self-contained, upland spoil site which will prevent the escape of the spoil material into the waters of the state, provided that no more dredging is to be performed than is necessary to restore the canals, channels, and intake and discharge structures, and previously dredged portions of natural water bodies, to original design specifications or configurations, provided that the work is conducted in compliance with s. [379.2431](#)(2)(d), provided that no significant impacts occur to previously undisturbed natural areas, and provided that control devices for return flow and best management practices for erosion and sediment control are utilized to prevent bank erosion and scouring and to prevent turbidity, dredged material, and toxic or deleterious substances from discharging into adjacent waters during maintenance dredging. Further, for maintenance dredging of previously dredged portions of natural water bodies within recorded drainage rights-of-way or drainage easements, an entity that seeks an exemption must notify the department or water management district, as applicable, at least 30 days prior to dredging and provide documentation of original design specifications or configurations where such exist. This exemption applies to all canals and previously dredged portions of natural water bodies within recorded drainage rights-of-way or drainage easements constructed prior to April 3, 1970, and to those canals and previously dredged portions of natural water bodies constructed on or after April 3, 1970, pursuant to all necessary state permits. This exemption does not apply to the removal of a natural or manmade barrier separating a canal or canal system from adjacent waters. When no previous permit has been issued by the Board of Trustees of the Internal Improvement Trust Fund or the United States Army Corps of Engineers for construction or maintenance dredging of the existing manmade canal or intake or discharge structure, such maintenance dredging shall be limited to a depth of no more than 5 feet below mean low water. The Board of Trustees of the Internal Improvement Trust Fund may fix and recover from the permittee an amount equal to the difference between the fair market value and the actual cost of the maintenance dredging for material removed during such maintenance dredging. However, no charge shall be exacted by the state for material removed during such maintenance dredging by a public port authority. The removing party may subsequently sell such material; however, proceeds from such sale that exceed the costs of maintenance dredging shall be remitted to the state and deposited in the Internal Improvement Trust Fund.



KEY MAP
PERMIT DRAWINGS

BUENA VISTA GRASSY POINT
MAINTENANCE DREDGING

LATITUDE: 26.9588
LONGITUDE: -82.1013



TOWNSHIP 40 S. - RANGE 22 E. - SEC's. 26, 27, 34 & 35

PROJECT: BUENA VISTA GRASSY POINT MAINTENANCE DREDGING

APPLICATION BY:
CHARLOTTE COUNTY

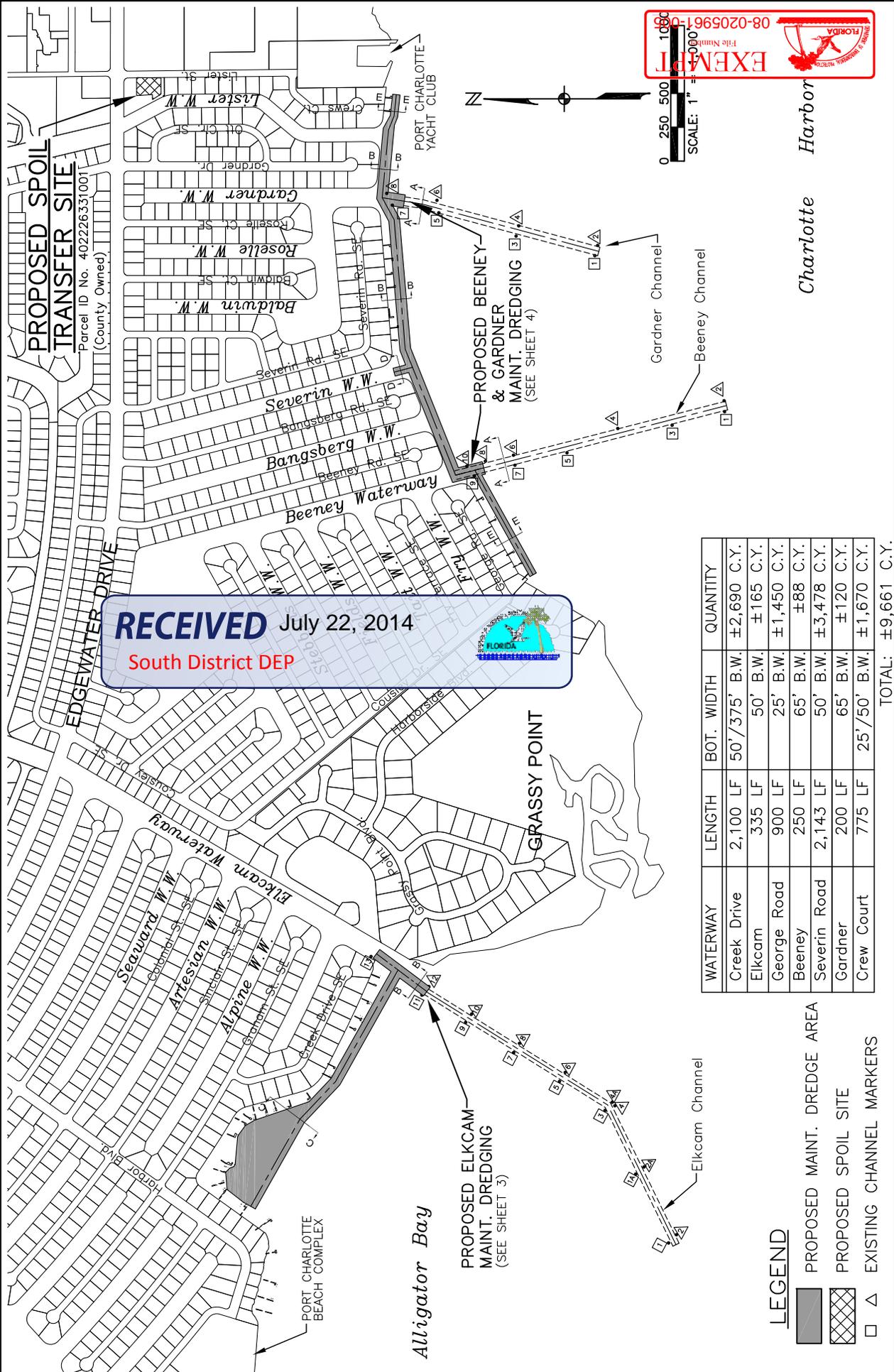
DATUM: N.A.V.D. 1988

AGENT:
JOHNSON ENGINEERING, INC.
18501 MURDOCK CIRCLE
SUNTRUST CENTER, SUITE 404
PORT CHARLOTTE, FL 33948

AT: PORT CHARLOTTE

COUNTY OF CHARLOTTE
STATE OF FLORIDA

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RECEIVED July 22, 2014
 South District DEP

WATERWAY	LENGTH	BOT. WIDTH	QUANTITY
Creek Drive	2,100 LF	50' / 375' B.W.	±2,690 C.Y.
Elkcam	335 LF	50' B.W.	±165 C.Y.
George Road	900 LF	25' B.W.	±1,450 C.Y.
Beeneey	250 LF	65' B.W.	±88 C.Y.
Severin Road	2,143 LF	50' B.W.	±3,478 C.Y.
Gardner	200 LF	65' B.W.	±120 C.Y.
Crew Court	775 LF	25' / 50' B.W.	±1,670 C.Y.
TOTAL:			±9,661 C.Y.

- LEGEND**
- PROPOSED MAINT. DREDGE AREA
 - PROPOSED SPOIL SITE
 - EXISTING CHANNEL MARKERS

Buena Vista Grassy Point
 Charlotte County BCC

JOHNSON ENGINEERING

18501 MURDOCK CIRCLE
 SUITE 404
 PORT CHARLOTTE, FLORIDA 33948
 PHONE (941) 625-9919
 FAX (941) 625-3269
 E.B. #642 & L.B. #642

Location Map
 Maintenance Dredging

DATE: June, 2014

PROJECT NO.: 20118682-013

FILE NO.: 27-40-22

SCALE: 1" = 1,000'

SHEET: 2 of 10



XEMPT
File Number
08-0205961-005

Existing Conditions Aerial - Elkcam Area
Maintenance Dredging

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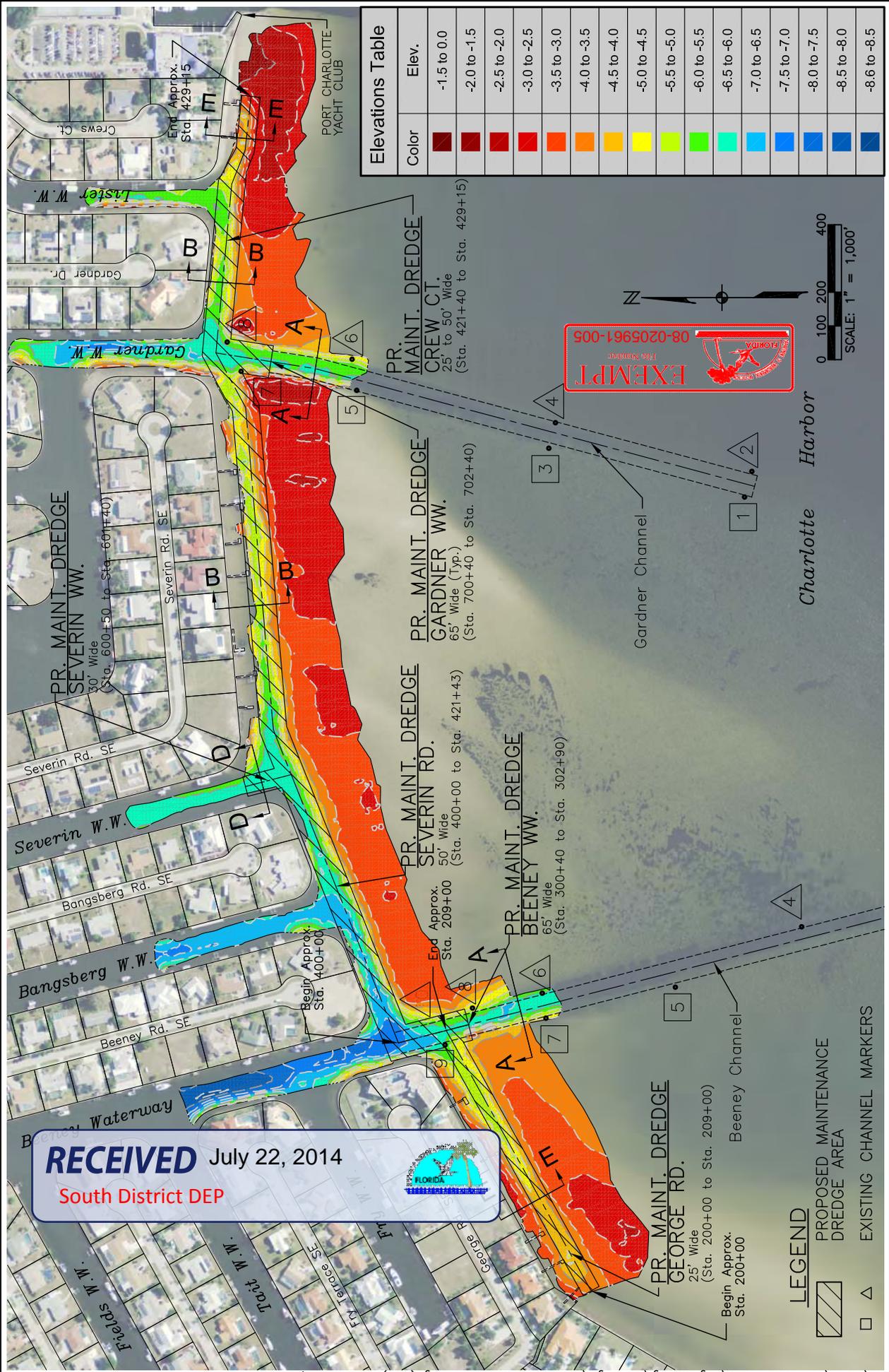
Buena Vista Grassy Point
Charlotte County BCC

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
June, 2014	20118682-013	27-40-22	1" = 400'	3 of 10

Elevations Table	
Color	Elev.
Dark Red	-1.5 to 0.0
Red	-2.0 to -1.5
Dark Red-Orange	-2.5 to -2.0
Red-Orange	-3.0 to -2.5
Orange	-3.5 to -3.0
Light Orange	-4.0 to -3.5
Yellow-Orange	-4.5 to -4.0
Yellow	-5.0 to -4.5
Light Yellow	-5.5 to -5.0
Light Green	-6.0 to -5.5
Green	-6.5 to -6.0
Light Blue	-7.0 to -6.5
Blue	-7.5 to -7.0
Dark Blue	-8.0 to -7.5
Very Dark Blue	-8.5 to -8.0
Black	-8.6 to -8.5

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Color	Elev.
Dark Red	-1.5 to 0.0
Red	-2.0 to -1.5
Orange-Red	-2.5 to -2.0
Orange	-3.0 to -2.5
Light Orange	-3.5 to -3.0
Yellow-Orange	-4.0 to -3.5
Yellow	-4.5 to -4.0
Light Green	-5.0 to -4.5
Green	-5.5 to -5.0
Light Blue	-6.0 to -5.5
Blue	-6.5 to -6.0
Dark Blue	-7.0 to -6.5
Very Dark Blue	-7.5 to -7.0
Black	-8.0 to -7.5
Black	-8.5 to -8.0
Black	-8.6 to -8.5

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 South District DEP

EXEMPT
 08-0205961-005

LEGEND
 PROPOSED MAINTENANCE DREDGE AREA
 EXISTING CHANNEL MARKERS

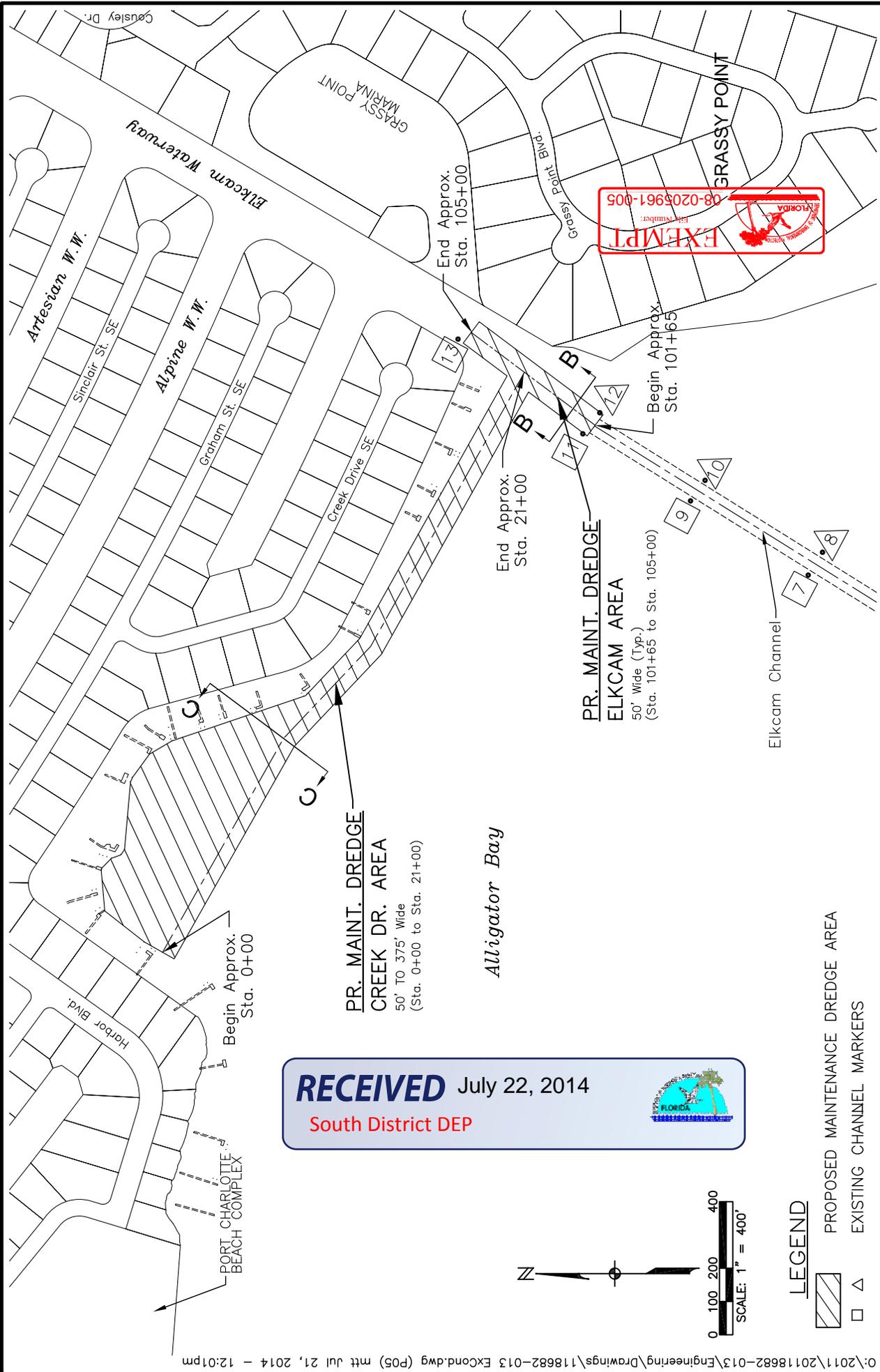
Existing Conditions Aerial - Beeneey & Gardner Area - Maintenance Dredging

DATE: June, 2014
 PROJECT NO.: 20118682-013
 FILE NO.: 27-40-22
 SCALE: 1" = 400'
 SHEET: 4 of 10

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JOHNSON ENGINEERING

Buena Vista / Grassy Point
 Charlotte County BCC



RECEIVED July 22, 2014
 South District DEP



LEGEND

- PROPOSED MAINTENANCE DREDGE AREA
- EXISTING CHANNEL MARKERS



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Buena Vista Grassy Point
 Charlotte County BCC

**Dredging Plan - Elkcam Area
 Maintenance Dredging**

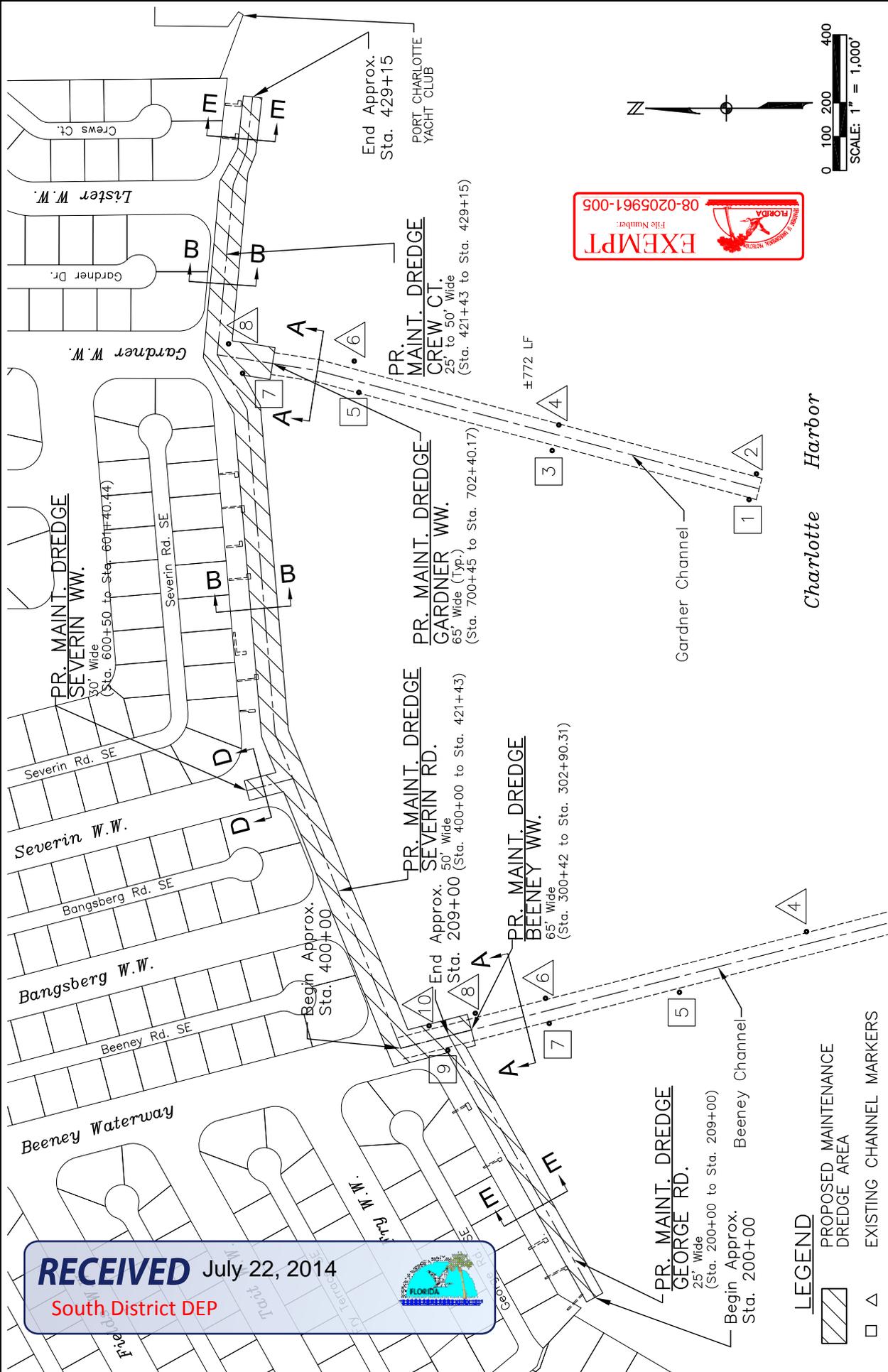
DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
June, 2014	20118682-013	27-40-22	1" = 400'	5 of 10



RECEIVED July 22, 2014
 South District DEP



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- LEGEND**
- PROPOSED MAINTENANCE DREDGE AREA
 - EXISTING CHANNEL MARKERS

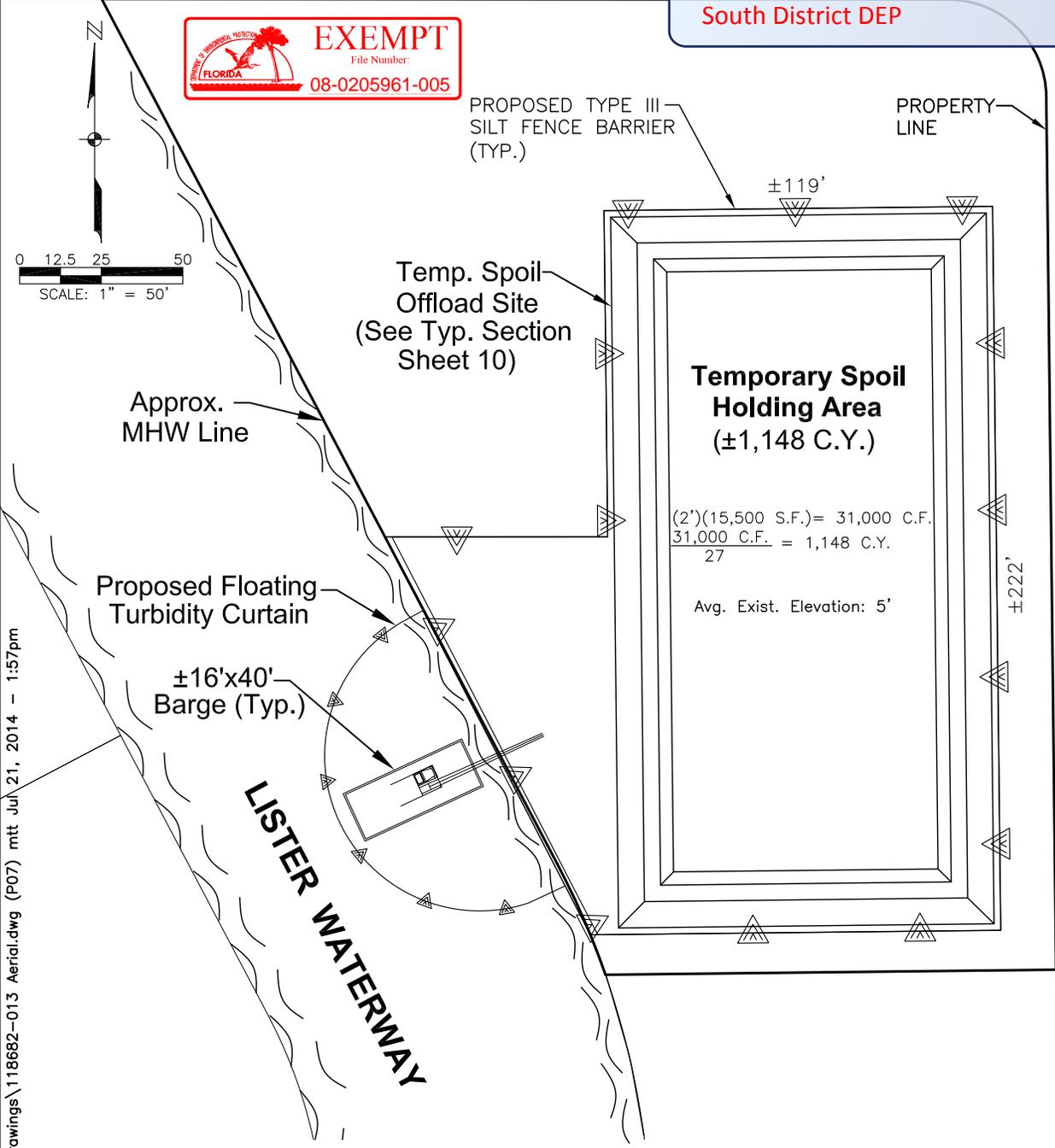
JOHNSON ENGINEERING

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 E.B. #642 & L.B. #642

Dredging Plan - Beene & Gardner Area - Maintenance Dredging

DATE: June, 2014 PROJECT NO.: 20118682-013 FILE NO.: 27-40-22 SCALE: 1" = 400' SHEET: 6 of 10

Buena Vista / Grassy Point
 Charlotte County BCC



Typ. Plan View - Temporary Spoil Area

SPOIL AREA NOTES:

1. PROPOSED SPOIL AREA AT 2' DEPTH CAN CONTAIN APPROX. 1,148 C.Y. (15,500 S.F.) AT A TIME.
2. THIS SITE, OWNED BY CHARLOTTE COUNTY, HAS BEEN USED FOR SEVERAL PREVIOUS DREDGING PROJECTS. SITE IS UPLAND, HAS A SEAWALL AND IS PRIMARILY MOWED GRASS. AFTER IT DRIES, MATERIAL WILL BE HAULED TO THE ZEMEL ROAD LANDFILL. TRUCK ROUTE IS EDGEWATER DR. TO U.S. 41, SOUTH TO ZEMEL RD.
3. CONTRACTOR SHALL UTILIZE BEST MANAGEMENT PRACTICES AT ALL TIMES AT BOTH THIS TEMPORARY SPOIL SITE AND THE ZEMEL ROAD LANDFILL AND ALSO NOT ALLOW ANY WATER TO RETURN TO WATERS OF THE STATE.
4. UPON COMPLETION CONTRACTOR SHALL REMOVE BERM, REGRADE AND RE-ESTABLISH GRASS ON ALL DISTURBED AND BARREN AREAS.

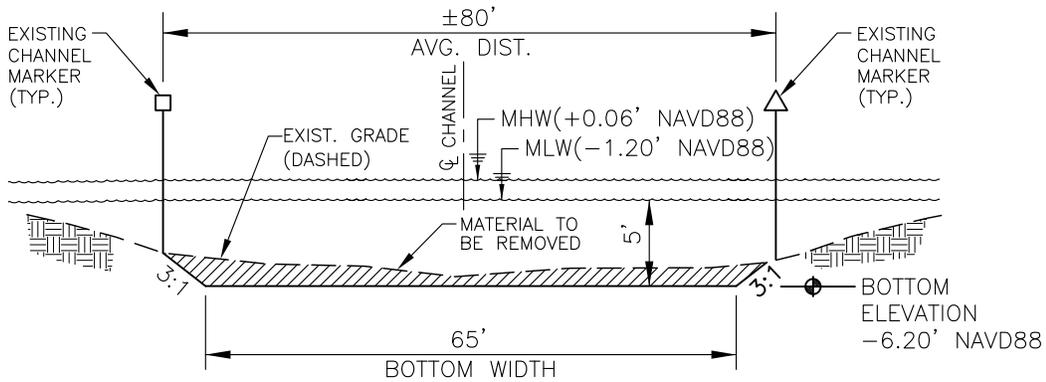


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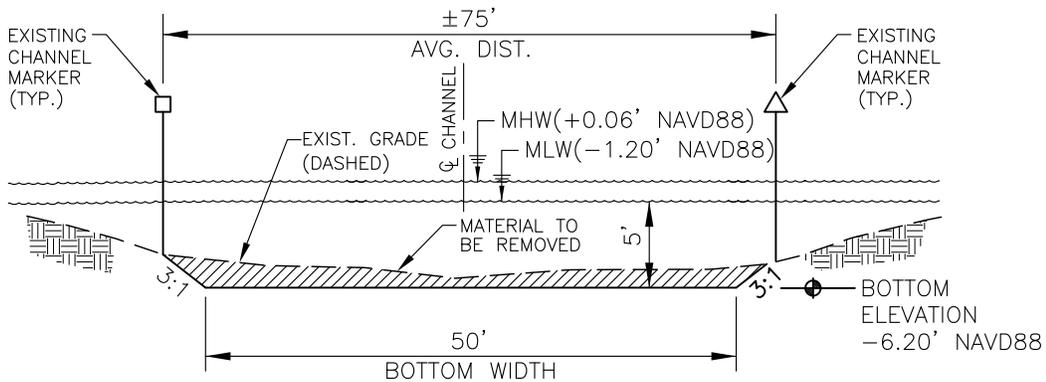
Spoil Site
 Buena Vista Grassy Pt. - Maintenance Dredging

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
June, 2014	20118682-013	27-40-22	As Shown	7 OF 10

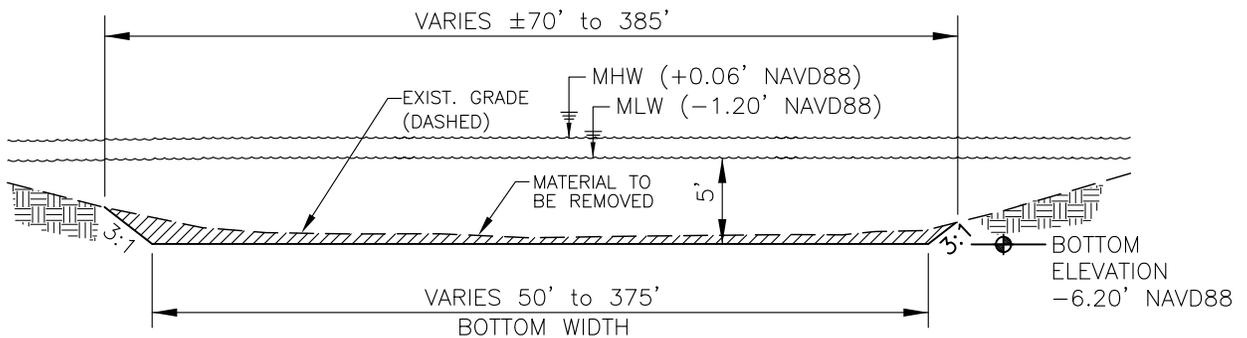
C:\2011\20118682-013\Engineering\Drawings\118682-013 Aerial.dwg (P07) mtt Jul 21, 2014 - 1:57pm



Typ. Cross Section A-A
(Beeney & Gardner Channels)
NOT TO SCALE



Typ. Cross Section B-B
(Elkcam & Severin Rd. Channels)
NOT TO SCALE



Typ. Cross Section C-C
(Creek Drive)
NOT TO SCALE

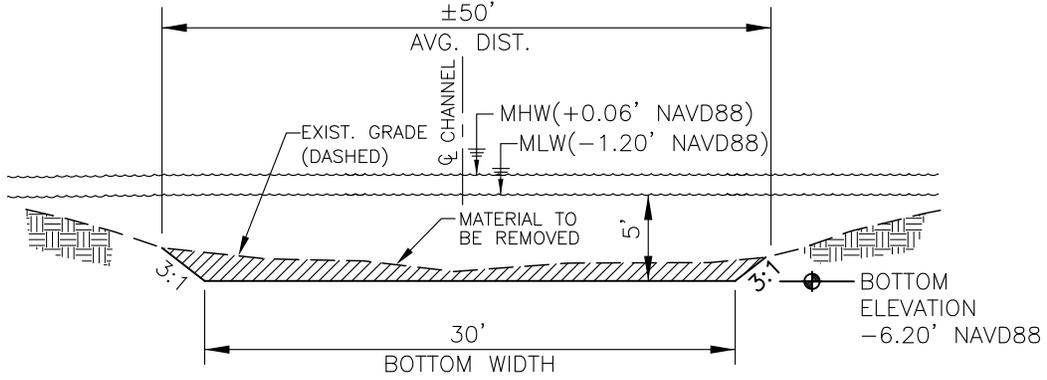
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18501 MURDOCK CIRCLE,
SUITE 404
PORT CHARLOTTE, FLORIDA 33948
PHONE (941) 625-9919
FAX (941) 625-3269
E.B. #642 & L.B. #642

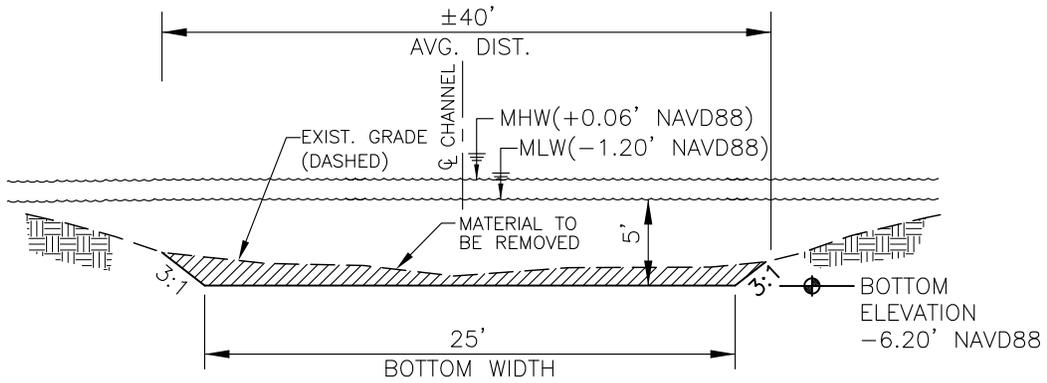
Typical Cross Sections
Buena Vista Grassy Pt. - Maintenance Dredging

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
June, 2014	20118682-013	34-40-22	As Shown	8 of 10



Typ. Cross Section D-D

(Severin W.W.)
NOT TO SCALE



Typ. Cross Section E-E

(George & Crew)
NOT TO SCALE

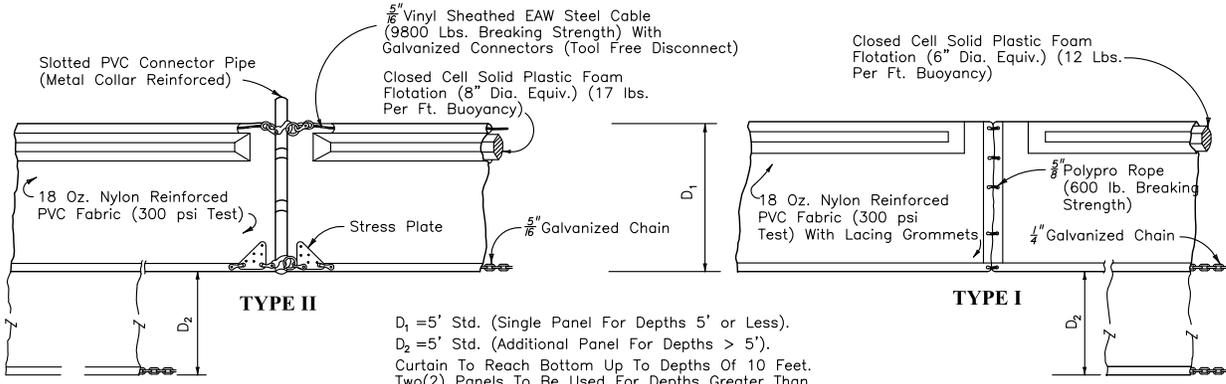
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Typical Cross Sections
Buena Vista Grassy Pt. - Maintenance Dredging

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
June, 2014	20118682-013	34-40-22	As Shown	9 of 10

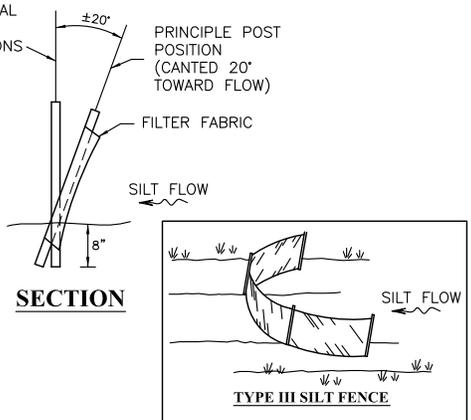
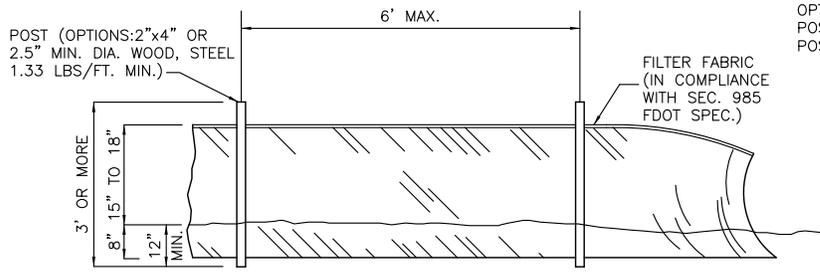
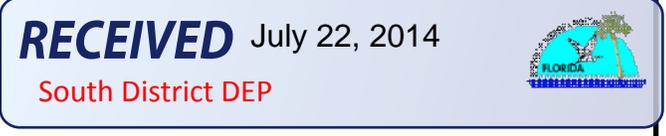


$D_1 = 5'$ Std. (Single Panel For Depths 5' or Less).
 $D_2 = 5'$ Std. (Additional Panel For Depths > 5').
 Curtain To Reach Bottom Up To Depths Of 10 Feet.
 Two(2) Panels To Be Used For Depths Greater Than 10 Feet Unless Special Depth Curtains Specifically Called For In The Plans Or As Determined By The Engineer.

NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

Floating Turbidity Barriers

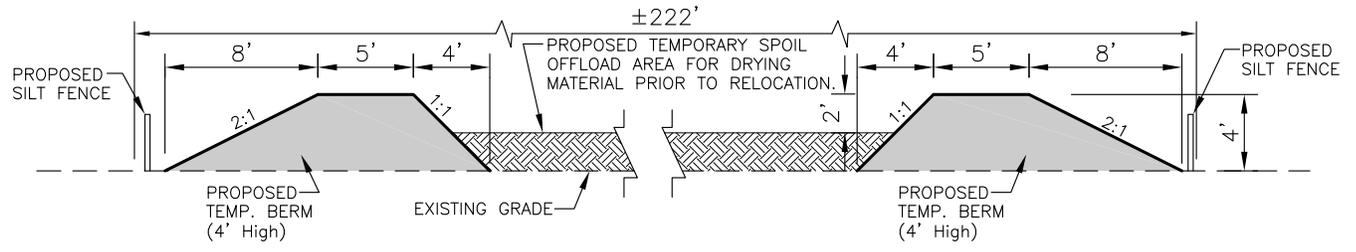
NOT TO SCALE



NOTE:
 REFER TO F.D.O.T. INDEX NO. 102.
 CONTRACTOR TO INSPECT SILT FENCE DAILY AND REPAIR IMMEDIATELY IF DAMAGED.

Type III Silt Fence

NOT TO SCALE



Typ. Cross Section - Spoil Area

SCALE: 1"=10'



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Typical Spoil Details
 Buena Vista Grassy Pt. - Maintenance Dredging

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