

ATTACHMENT E-1

WATERWAYS ASSISTANCE PROGRAM FY 2015  
PROJECT APPLICATION  
APPLICANT INFORMATION – PROJECT SUMMARY

Applicant: City of Fort Lauderdale

Department: Parks and Recreation/Marine Facilities Division

Project Title: Las Olas Marina and Access Dredging Project Phase I

Project Director: Lee Feldman Title City Manager

Project Liaison Agent (if different from above): Jonathan Luscomb

Liaison Agent Title: Supervisor of Marine Facilities

Address: 2 South New River Drive East

Fort Lauderdale Zip Code: 33478

Telephone: 954-828-5343 Fax: 954-468-1599

Email: jluscomb@fortlauderdale.gov

\*\*\*\*\* I hereby certify that the information provided in this application is true and accurate.\*\*\*\*\*

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**PROJECT SUMMARY NARRATIVE (Please summarize the project in 2 paragraphs or less.)**

This project is for the specific purpose of maintaining depth consistency and to connect the City's Las Olas Marina to the planned dredging of the Intracoastal Waterway Channel north of Port Everglades. The planned dredge area will be dug to a MLW depth of 15' and will include both the DEP submerged lease area limits and outside of the boundaries of the channel located between the western right of way and the submerged lease line. Permit applications have been submitted to the agencies and a conceptual mitigation plan has been drafted.

## ATTACHMENT E-2.

### APPLICATION CHECKLIST 2015

*(To be completed by the Applicant)*

This checklist and the other items listed below in items 1 through 14 constitute your application. The required information shall be submitted in the order listed.

Any additional information submitted by the applicant is subject to being removed from the package by District staff prior to presentation to the District Board because of reproduction and space considerations.

Two (2) copies of your application are required. One original and one electronic copy.

**All information (except maps) is required to be on 8 1/2" x 11" paper.** Maps and drawings may be on 8 1/2" x 14" paper and folded to 8 1/2" x 11" so that they may be included to hole punch and bound by staff.

<b>PROJECT NAME:</b> <u>Las Olas Marina and Access Dredging F</u>		<b><u>YES</u></b>	<b><u>NO</u></b>
1.	District Commissioner Review (prior to March 03) <b><u>(NOTE: For District Commissioner initials ONLY!)</u></b> <b>(District Commissioner must initial the yes line on this checklist for the application to be deemed complete)</b>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Applicant Info/Project Summary – E-1 (Form No. 90-22, 1 page) <b>(Form must be completed and signed)</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.	Application Checklist – E-2 (Form No. 90-26, 2 pages) <b>(Form must be signed and dated)</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.	Project Information – E-3 (Form No. 90-22a, 1 page)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.	Project Evaluation and Rating – E-4(+) (Form No. 91-25) <b>(Form must be completed, proper attachment included)</b> <b>(No signatures required)</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.	Project Cost Estimate – E-5 (Form No. 90-25, 1 page) <b>(Must be on District form)</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.	Official Resolution Form – E-6 (Form No. 90-21, 2 pages) <b>(Resolution must be in District format and include items 1-6)</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8.	Attorney's Certification (Land Ownership) – E-7 <b>(Must be on or follow format of Form No. 94-26,</b> <b>(Legal descriptions NOT accepted in lieu of form)</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## ATTACHMENT E-2 (Continued)

### APPLICATION CHECKLIST

(To be completed by the Applicant)

- |     |   |                                     |                                     |
|-----|---|-------------------------------------|-------------------------------------|
| 9.  | Project Timeline – E-8 (Form No. 96-10, 1 page)                           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 10. | County Location Map   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 11. | City Location Map (if applicable)   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 12. | Project Boundary Map  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 13. | Clear & Detailed Site Development Map                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 14. | Copies of all Required Permits<br>(Required of development projects only) | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

The undersigned, as applicant, acknowledges that Items 1 through 13 above constitutes a complete application and that this information is due in the District office no later than 4:30 PM, April 01, 2014. By May 30, 2014 my application must be deemed complete (except for permits) or it will be removed from any further consideration by the District. I also acknowledge that the information in Item 14 is due to the District no later than the final TRIM Hearing in September 2014. If the information in Item 14 is not submitted to the District office by the District's final TRIM hearing in September 2014, I am aware that my application will be removed from any further funding consideration by the District.

APPLICANT: City of Fort Lauderdale APP. TITLE: Las Olas Mar. Dredging

\_\_\_\_\_  
\*\* SIGNATURE - APPLICANT'S LIAISON \*\*

\_\_\_\_\_  
DATE

FIND OFFICE USE ONLY	
Date Received:	_____
Local FIND Commissioner Review:	_____
All Required Supporting Documents:	_____
Applicant Eligibility:	_____
Project Eligibility:	_____ Available Score: _____
Compliance with Rule 66B-2 F.A.C.:	_____
Eligibility of Project Cost:	_____

Form No. 90-26 - New 9/2/92, Revised 07-30-02.

### ATTACHMENT E-3 - PROJECT INFORMATION 2015

APPLICANT: City of Fort Lauderdale APPLICATION TITLE: Las Olas Mar. Dredging

Total Project Cost: \$ 387,035.00 FIND Funding Requested: \$ 206,543.00 % of total cost: 53

Amount and Source of Applicants Matching Funds: Fund has been identified in the CRA CIP Budget

Other (non-FIND) Assistance applied for (name of program and amount) N/A

Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: \_\_\_\_\_

If leased or other, please describe lease or terms and conditions: \_\_\_\_\_

Once completed, will this project be insured against damage? yes Explain: The City of Fort Lauderdale is self insured against damages.

Has the District previously provided assistance funding to this project or site? : Yes

If yes, please list: ICW -BRFL-10-04, ICW - BRFL-13-03

What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable): Las Olas Marina has approximately 60 boat slips ranging in size from 30-190' open to the public on a first-come-first served basis.

How many additional ramps, slips, parking spaces or other public access features will be added by the completion of this project? (as applicable): N/A

If there are fees charged for the use of this project, please denote. How do these fees compare with fees from similar public & private facilities in the area? Please provide documentation N/A

**Please list all Environmental Resource Permits required for this project:**

<u>Agency</u>	<u>Yes/ No N/A</u>	<u>Date Applied For</u>	<u>Date Received</u>
WMD	<u>N/A</u>		
DEP	<u>X</u>	<u>2-7/13</u>	
ACOE	<u>X</u>	<u>2-1/13</u>	
COUNTY/CITY	<u>X</u>	<u>2-13</u>	

## ATTACHMENT E-4

### WATERWAYS ASSISTANCE PROGRAM APPLICATION AND EVALUATION WORKSHEET

**STEP 1:** All applicants will complete Attachment E-4 of the worksheet, which includes questions 1 through 6. **\*\*Do not answer with more than four sentences.\*\***

**STEP 2:** Complete **one and only one sub-Attachment** (E-4 A, B, C, D or E, questions 7-10) according to the applicant's project type.

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

**APPLICATION TITLE:** Las Olas Mar. Dredging

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**APPLICANT:** City of Fort Lauderdale

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**PROJECT ADDRESS:** 240 Las Olas Circle, Ft. Lauderdale, FL 33316

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#### 1) PRIORITY LIST:

- a) **Denote the priority list category of this project from Attachment C in the application.** (The application may only be of **one** type based upon the predominant cost of the project elements.)

Number 1: Public Navigational Channel

- b) **Explain how the project fits this priority category.**

This project will provide public deep water dockage opportunities for vessels navigating the deepened ICW channel.

*(For reviewer only)*

Max. Available Score for application \_\_\_\_\_

Question 1. Range of Score (1 to \_\_\_\_ points)

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## 2) WATERWAY RELATIONSHIP:

- a) **Explain how the project directly relates to the ICW and the mission of the Navigation District.**

FIND intends to dredge to 17' the Intracoastal Waterway adjacent to the Las Olas Marina. Consistent with the District's mission, this project will provide consistent depth for ingress/egress and enhance the economic viability of the ICW in this area..

- b) **What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

The projected depth of 15' MLW is consistent with the depth required for the increased demand of large vessel transit and maneuverability in Broward County over the past 10 years.

*(For reviewer only)*

*(1-6 points)*

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## 3) PUBLIC USAGE & BENEFITS:

- a) **How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

Las Olas Marina is 100% first come first served. Occupancy has exceeded 72% over the past 5 years and 90% for vessels ranging from 80'-to180'. The deeper channel will improve and increase access for deep draft vessels who were unable to use the marina.

- b) **Discuss the regional and local public benefits ~~and access~~ that will be provided by the project.**

Las Olas Marina is 100% first come first served. Occupancy has exceeded 72% over the past 5 years and 90% for vessels ranging from 80' to180'. The deeper channel will improve and increase access for deep draft vessels who were unable to use the marina in the past.

- c) **Can residents from other counties of the District reasonably access and use the project? Explain.**

Yes. The project site is directly on the ICW and is open to all visiting boaters on a first come first served basis.

*(For reviewer only)*

*(1-8 points)*

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#### 4) TIMELINESS

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-8.**

The project will coincide with the deepening of the ICW. Permitting work will begin in March 2015 and it is expected that permits and construction documents will be in hand by September 2018.

- b) **Briefly explain any unique aspects of this project that could influence the project timeline.**

Designating and permitting a DMM could take additional time if the the City is unable to utilize the ICW spoil site at Port Everglades. A second site is under consideration. Identifying alternate mitigation sites may present additional challenges.

*(For reviewer only)*  
*(1-3 points)*

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#### 5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

The City Commission of Fort Lauderdale authorized project funding by the attached resolution. CRA/CIP are identified in the City's budget for the project.

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

Designating and permitting a DMM could take additional time and resources if the the City is unable to utilize the ICW spoil site at Port Everglades. A second site is under consideration. Identifying alternate mitigation sites may present additional challenges.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

Either hydraulic or mechanical dredging methods will be used depending on bottom/ GEO Tech conditions. Most efficient spoil mgmt. plan will be developed.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

**Yes, please see attached fee schedule for the Las Olas Marina.**

*(For reviewer only)*  
*(1-6 points)*

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**6) PROJECT VIABILITY:**

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

The project benefits residents, visitors and the marine community as the Las Olas Marina are only used for public dockage and mega yachts. The FLIBS (boat Show) will benefit and other events held from the marina such as July 4th and Winterfest..

- b) Clearly demonstrate how the project will continue to be maintained and funded after District funding is completed.**

The City budgets funds in a five year recapitalization program for maintenance dredging on an annual basis. Grants and other funding sources will be explored on an as needed basis to maintain the project depth if 15' MLW in critical areas.

- c) Will the program result in significant and lasting benefits? Explain.**

There will be a significant an lasting benefit from the project considering the depth of 15' MLW will have a positive effect on economic and long range planning. Deep draft vessels have a huge economic and lasting benefit as deeper water will provide dockage and therefore more capacity for more deep draft vessels adding significantly to the economic impact of the waterway and marine industry in the tri-county area.

- d) Please describe any environmental benefits associated with this project.**

None

*(For reviewer only)*  
*(1-7 points)*

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SUB-TOTAL \_\_\_\_\_

FIND FORM NO. 91-25  
Rule 66B-2 (Effective Date: 3-21-01, Revised 4-24-06, 1/2014)



**ATTACHMENT E-4A  
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A  
DEVELOPMENT OR CONSTRUCTION PROJECT BUT IS NOT AN INLET  
MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

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**7) PERMITTING:**

- a) **Have all required environmental permits been applied for? If permits are NOT required, explain why not.**

Permit applications were submitted to all agencies in February 2013. A conceptual mitigation plan has been drafted. This project is to complete the permitting and design process.

- b) **If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work. Please provide a general cost estimate for the future Phase II work.**

Phase II Cost estimates at this time are approximately \$4.45M

- c) **Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

Developing an economically and environmentally feasible mitigation plan which is acceptable to the regulatory agencies; potential cost increases due to volume, cleanliness of spoil material, distance to the DMM are primary factors which could effect project costs.

*(For reviewer only)  
(1-4 points)*

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**8) PROJECT DESIGN:**

- a) Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**

Preliminary Design work has begun and proposed dredge footprint has been submitted with applications.

- b) Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

Notably, the creation of public deep-water access to areas which have not had it before and provide positive economic impacts like the expansion of the FLIBS and increasing mega yacht docking sites; both of which increase substantially marine industry economic impacts.

*(For reviewer only)*  
*(1-2 points)*

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**9) CONSTRUCTION TECHNIQUES:**

- a) Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

Hydraulic or mechanical dredging techniques will be used.

- b) How are the utilized construction techniques appropriate for the project site?**

Construction techniques are appropriate as they are similar to the techniques which will be used to deepen the ICW.

- c) Identify any unusual construction techniques that may increase or decrease the costs of the project.**

The City hopes to time this project to coincide with the District's ICW project. The City hopes to use the same contractor as the District to achieve savings for quantity and mobilization costs and to utilize the same DMM for spoil disposal and management.

*(For reviewer only)*  
*(1-3 points)*

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**ATTACHMENT E-4D  
INLET MANAGEMENT and PUBLIC NAVIGATION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM  
APPLICATION AND EVALUATION WORKSHEET**

**THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS AN INLET  
MANAGEMENT or PUBLIC NAVIGATION PROJECT**

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**7) WATERWAY RELATIONSHIP:**

**a) How does the project directly benefit the Atlantic Intracoastal Waterway (AICW)?**

The project will enhance the AICW as it will provide deep water landing/docking and associated amenities for deep draft vessels which navigate the deepened AICW north of Port Everglades. It will help sustain the expected positive economic impacts of the District's deepening of the AICW.

**b) Identify any long-term sedimentation problems and briefly discuss any methods or activities that will address these issues.**

This project is expected to last 20 years with occasional maintenance dredging as needed. The City budgets funds in a five year recapitalization program for maintenance dredging on an annual basis. Grants and other funding sources will be explored on an as needed basis to maintain the project depth of 15' MLW in critical areas.

**c) Will the project inhibit sediment inflow into, or reduce the dredging frequency of the AICW?**

Yes, Creating a consistent depth from the project site may in effect extend the AICW's dredge cut east and reduce sediment inflow to the AICW.

*(For reviewer only)  
(1-5 points)*

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**8) PUBLIC ACCESS:**

- a) Will the project enhance public access to or from the waterways? Describe in brief detail.**

Las Olas Marina has approximately 60 boat slips ranging in

- b) List public accessible facilities with improved access as a result of this project.**

Las Olas Marina

*(For reviewer only)*  
*(1 -3 points)*

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**9) BENEFICIAL PROJECT ELEMENTS:**

- a) Are there additional economic benefits to be realized by implementing this project?**

Yes, the Las Olas Marina is an integral part of the Fort Lauderdale International Boat Show. The Show has an estimated reported Economic impact of \$500,000. Deeper ICW access coupled with deeper docking facilities will increase the opportunity to increase the economic benefits already provided by the Show.

- b) Briefly spell out any water quality, environmental or habitat benefits to be realized by this project.**

None

*(For reviewer only)*  
*(1 -2 points)*

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**10) PROJECT MAINTENANCE:**

**a) When was this area last dredged? What is the expected frequency of future dredging?**

It is estimated that the area was last dredged in the 1960's. The Las Olas Marina was expanded in 1998 and no dredging occurred.

**b) Explain the funding mechanism for the long-term maintenance of the project.**

The City budgets funds in a five year recapitalization program for maintenance dredging on an annual basis. Grants and other funding sources will be explored on an as needed basis to maintain the project depth if 15' MLW in critical areas.

**c) Describe the long-range dredge material management plans.**

The City hopes to time this project to coincide with the District's ICW project. The City hopes to use the same contractor as the District to achieve savings for quantity and mobilization costs and to utilize the same DMM for spoil disposal and management. Alternative plans will include the adjacent parking lot to the Marina as a viable DMMS.

*(For reviewer only)*  
*(1 -2 points)*

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**RATING POINT**  
**TOTAL** \_\_\_\_\_

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.)

# ATTACHMENT E-5

## FLORIDA INLAND NAVIGATION DISTRICT ASSISTANCE PROGRAM 2014

### PROJECT COST ESTIMATE

(See Rule Section 66B-2.005 & 2.008 for eligibility and funding ratios)

**PROJECT TITLE:** Las Olas Marina and Access Dredging Project Phase I

**APPLICANT:** City of Fort Lauderdale

<b>Project Elements</b> <i>(Please list the MAJOR project elements and provide a general cost break out for each one. For Phase I Projects, please list the major elements and products expected)</i>	<b>Quantity or Total Estimated Cost</b> <i>(Number and/or Footage etc.)</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
Pre-agreement Expenses: Benthic/Sea Grass Survey and Misc. engineering fees.			
City Share 75% FIND Share 25%	\$34,563.00	\$25,922.00	\$8,641.00
Expenses after October 1, 2015:			
Engineering Design and Permitting	\$352,472.00	\$154,570.00	197,902.00
Sire Surveys, Geotech, Benthic and Seagrass Activities, mitigation project design			
Permitting			

**\*\* TOTALS =**                      \$ 387,035.00                      \$ 180,492.00                      \$ 206,543.00

## WATERWAYS ASSISTANCE PROGRAM 2013

## PROJECT TIMELINE

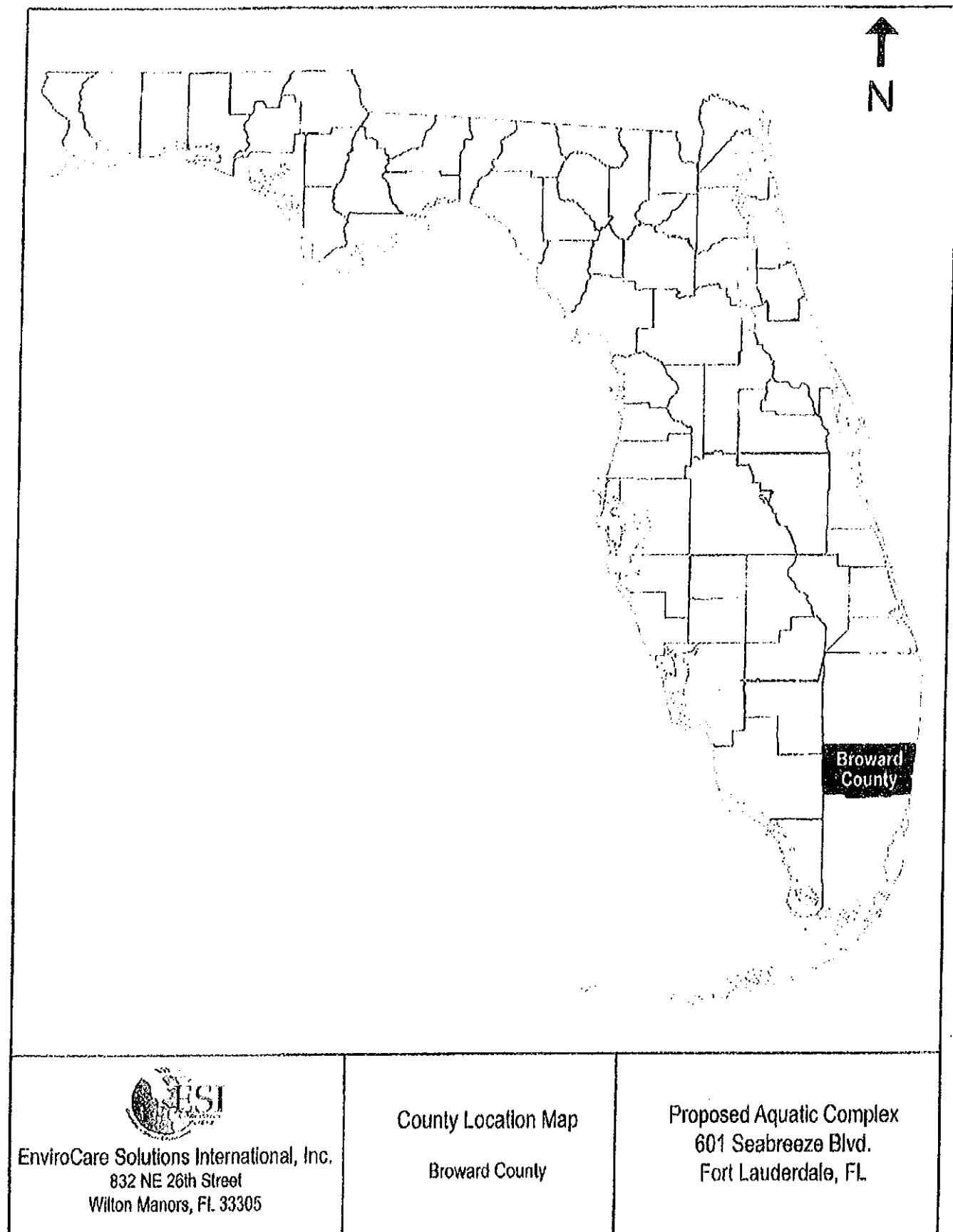
Las Olas Marina Dredging

Project Title:

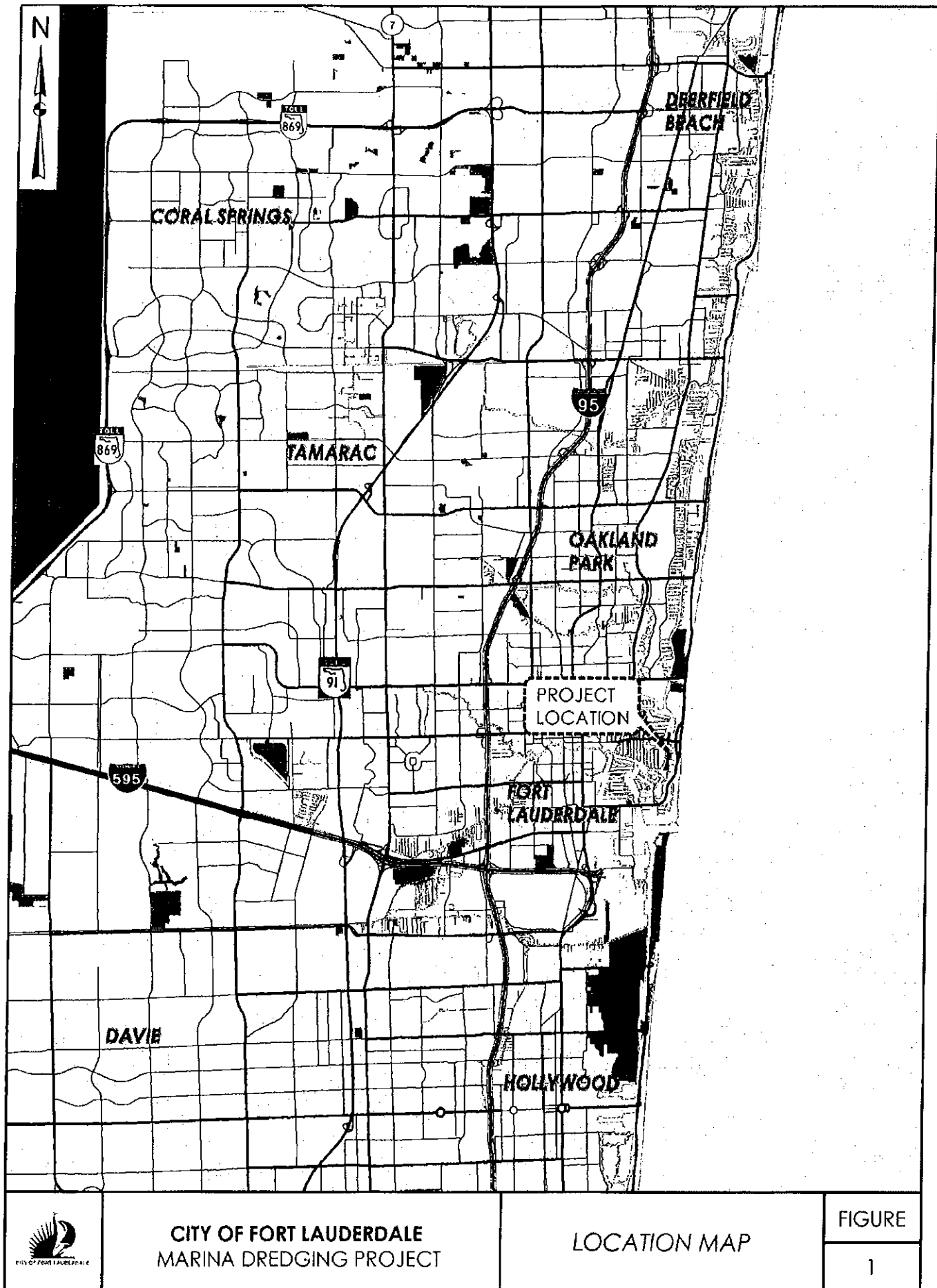
Applicant:

City Of Fort Lauderdale

	MAR 2015	APR 2015	MAY 2015	JUN 2015	JUL 2015	AUG 2015	SEP 2015	OCT 2015	NOV 2015	DEC 2015	JAN 2016	FEB 2016	MAR 2016	APR 2016	MAY 2016	JUN 2016	JUL 2016	AUG 2016	SEP 2016	OCT 2016	NOV 2016	DEC 2016	JAN 2017	FEB 2017	MAR 2017	APR 2017	MAY 2017
<b>FIELD ACTIVITIES</b>																											
<b>Geotech/Sediment</b>																											
Marina Borings & Cores (6)																											
Sediment Probes - TOR - Marinas (50)																											
Sediment Probes - TOR - Mitigation Site (25)																											
Laboratory Analyses - Marina boring samples only.																											
Sediment Grab Samples and Analysis - Marina (6)																											
Sediment Grab Samples and Analysis - Mitigation (4)																											
Pile Stability Assessment																											
<b>Reporting</b>																											
<b>Seagrass/Benthic/Vegetation</b>																											
Seagrass/Benthic - Marinas																											
Seagrass/Benthic - Mitigation Site																											
Upland Vegetation - Mitigation Site																											
<b>Reporting</b>																											
<b>Dredge Site</b>																											
Research Utilities & Easements - Marinas																											
Sketch/ Legal State Submerged Lands - Marinas																											
Magnetometer/ Utility Survey - Marinas																											
Ownership Documentation																											
Bathymetry - Marinas																											
Baseline Survey																											
<b>Mitigation Site</b>																											
Research Utilities & Easements - Marinas																											
Sketch/ Legal State Submerged Lands - Conserv Esarnt																											
Bathymetry																											
Archeology Survey - Mitigation Site																											
Upland Topography - Mitigation																											
Baseline Survey																											
<b>DESIGN DEVELOPMENT</b>																											
Drawings - Marina Dredging																											
Specifications - Marina Dredging																											
Drawings - Mitigation Site																											
Specifications - Mitigation Site																											
Mitigation Site - Out of County - Prop Scars																											
<b>PERMITTING</b>																											
Flushing Study - Marinas																											
Flushing Study - Mitigation Site																											
Dredging Plan - narrative																											
Vegetation planting plan																											
Permit Sketches - Marina																											
Permit Sketches - Mitigation Site																											
Site Visit - Regulators																											
UMAM Analysis/Agency Coordination - mitigation site																											
Mitigation Site Permitting																											











**Project Site Map**  
**Las Olas Marina**

Data SIO, NOAA, U.S. Navy, NGA, GEBCO

© 2015 Google

Google

2008

Eye alt: 197 ft

Dec 16, 2014

26°07'12.71"N 80°05'29.95"W

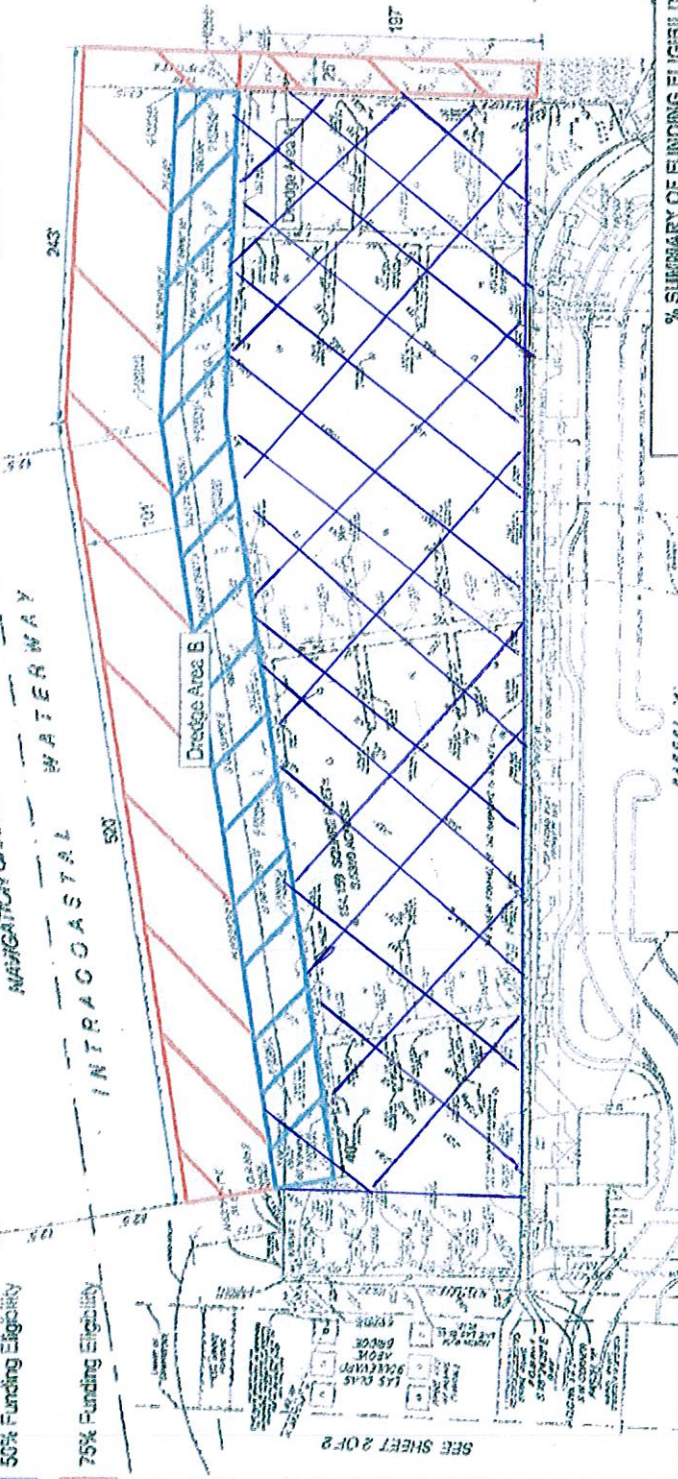


NOTES:

1. Dredge volumes for Area A calculated with a depth of -10', including overdrift. This area is outside the sovereign submerged land lease line.
2. Dredge volume for Areas B and C calculated with a depth of -15', including overdrift.
3. All volumes calculated referencing a 2003 bathymetry survey produced by The Gracetti Group.
4. Sovereign submerged land lease survey was completed in 2000 by McLaughlin Engineering Company.



**SUBMERGED LAND SURVEY**  
 SHOWS A PORTION OF SECTION 12,  
 TOWNSHIP 20 SOUTH, RANGE 45 EAST,  
 MONROE COUNTY, FLORIDA  
 SHOWING NEW SOVEREIGN AND  
 SUBMERGED LAND WATERWAY  
 E. SHEET 1 OF 2



% SUMMARY OF FUNDING ELIGIBILITY

Dredge Area A	Dredge Area B
50% Match Area: 0 acres	50% Match Area: 0.67 acres
50% Match Volume: 0 cu. yd.	50% Match Volume: 6,014 cu. yd.
75% Match Area: 0.11 acres	75% Match Area: 1.1 acres
75% Match Volume: 246 cu. yd.	75% Match Volume: 8,970 cu. yd.



EnviroCare Solutions International, Inc.  
 602 NE 20th Street  
 Naples, Florida 34105

Figure 2a:  
 Proposed Dredging Areas A & B  
 Funding Eligibility

Not to Scale

Las Olas Marina  
 240 E. Las Olas Circle  
 Fort Lauderdale, FL 33316



