

Backup Information for MBRC: 2019 FIND Grant Application Legislation

The following three projects were recommended for the 2019 FIND grant project list by the Jacksonville Waterways Commission at their meeting on 12/12/2018.

Mandarin Park Dock & Kayak Launch

- City received a 2017 FIND grant for the design phase of this dredge project which is currently at 60% by HDR and permits are being pursued from DEP and USACE. Permits are expected to be received by Spring 2019 and design plans will be complete by Fall 2019.
- The boat ramp at Mandarin Park (14780 Mandarin Road) is the most popular ramp on the Southside. There are 2 ramp lanes and 47 boat trailer parking spaces but only 80 feet of floating dock which is inadequate to facilitate efficient launching during peak use. This project will construct an extension of the floating dock to double the length to approximately 160 feet. There is also a strong desire from the adaptive recreation community, including Brooks Rehab, to provide an accessible kayak launch at Mandarin Park. This project includes installation of a floating kayak launch with a specialized cradle system to enhance its use by paddlers of all abilities and experience. The kayak launch will be positioned on the opposite side of the boardwalk which offers a good barrier between motorized and non-motorized vessels.
- The opinion of probable construction cost provided by HDR is \$667,925 which includes a 30% contingency. Public Works (Bob Scott) and Parks (Brian Burket) reviewed the estimate and increased the cost to \$750,000 and added 10% (\$75,000) to cover internal Public Works costs (i.e. project management and inspection fees) which are not reimbursable by FIND. Therefore, the FIND grant award request is \$375,000 and City cost is \$450,000, totaling \$825,000.
- Expect to receive grant award in October 2019 and construct project in 2020.
- Attached on pages 3-8 are the current design plans and opinion of probable construction cost.

Oak Harbor Boat Ramp Dredge

- City received a 2017 FIND grant for the design phase of this dredge project which is currently at 60% by HDR and all necessary permits from DEP and USACE have already been received.
- Oak Harbor Boat Ramp located at 2428 Seaway Street is a well-used ramp utilized by boaters to access the Intracoastal Waterway (ICW) near the intersection with the St. Johns River. The ramp can handle all size vessels, although the access channel has become silted in over the years making it harder for most vessels to navigate at low tide. The goal of this project is to dredge the boat ramp basin area and access channel to ensure reliable connectivity to the ICW. This area was last dredged in 1996.
- The opinion of probable construction cost provided by HDR is \$1,550,000 which includes a 30% contingency. Public Works (Bob Scott) and Parks (Brian Burket) reviewed the estimate and increased the cost to \$1,600,000 and added 10% (\$160,000) to cover internal Public Works costs (i.e. project management and inspection fees) which are not reimbursable by FIND. Therefore, the FIND grant award request is \$800,000 and City cost is \$960,000, totaling \$1,760,000.
- Expect to receive grant award in October 2019 and construct project in 2020.
- Attached on pages 9-11 are the current design plans and opinion of probable construction cost.

2019 FEB 20 PM 2:09

Johnston Island Acquisition

- Per the CIP amendment proposed by CM Gulliford in September 2018, the acquisition of Johnston Island was included in the adopted City Budget Ordinance with \$1.5M identified for FY 19/20, dependent upon equal funding by City of Jacksonville (\$562,500) and the City of Atlantic Beach (\$562,500) and ability to secure a FIND grant for 25% of acquisition cost (\$375,000).
- Within the City of Atlantic Beach, Johnston Island is the last undeveloped privately held upland site located directly on the Intracoastal Waterway with vehicular access. It is located under the Atlantic Blvd Bridge and purpose of acquisition is for future public recreational use, including boat docks, kayak launch, picnic shelters and other facilities identified during the master planning process.
- City of Atlantic Beach conducted a Due Diligence Study in Jan. 2018 which concluded that development of the island as a public waterfront park is feasible. A copy of this study can be provided upon request.
- City of Atlantic Beach passed Resolution No. 18-56 on 12/10/2018 directing their staff to collaborate with the City of Jacksonville on a FIND grant application for the acquisition of Johnston Island (no specific cost was identified in the resolution) as well as directing their staff to develop a Memorandum of Understanding with the City of Jacksonville and other relevant third parties regarding the maintenance, management and improvement of the island.
- City of Atlantic Beach is hiring the North Florida Land Trust to coordinate an appraisal and take lead on negotiations with the current landowner. The appraisal is anticipated to identify a value between \$1M and \$1.5M.
- Attached on pages 12-15 are an aerial image of Johnston Island, adopted CIP sheet for acquisition of the island and City of Atlantic Beach Resolution No. 18-56.

Summary of Funding Breakdown for all 3 projects

Proposed 2019 FIND Grant Projects - Recommended by Waterways Commission 12/12/18

Project	Council District	Suggested By	Project Type	Scope	FIND Cost	COJ Cost*	Total Estimated Cost
Mandarin Park Dock & Kayak Launch	6	Current Project	Construction	Extend boater access dock & install adaptive kayak launch	\$375,000	\$450,000	\$825,000
Oak Harbor Boat Ramp Dredge	13	Current Project	Construction	Dredge from ramp to channel	\$800,000	\$960,000	\$1,760,000
Johnston Island	13	CM Gulliford	Acquisition	Acquire island for future recreational use	\$375,000	\$562,500**	\$1,500,000
Totals					\$1,550,000	\$1,972,500	\$4,085,000

* COJ costs includes 10% for PW internal management fees - FIND will not match these costs.

** City of Atlantic Beach to provide remaining \$562,500.

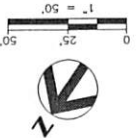


CITY OF JACKSONVILLE PUBLIC WORKS

SITE PLAN MANDARIN PARK ADA KAYAK LAUNCH



DATE: DECEMBER 2018
FIGURE: 1



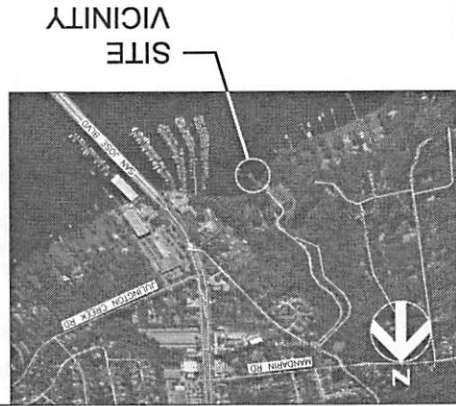
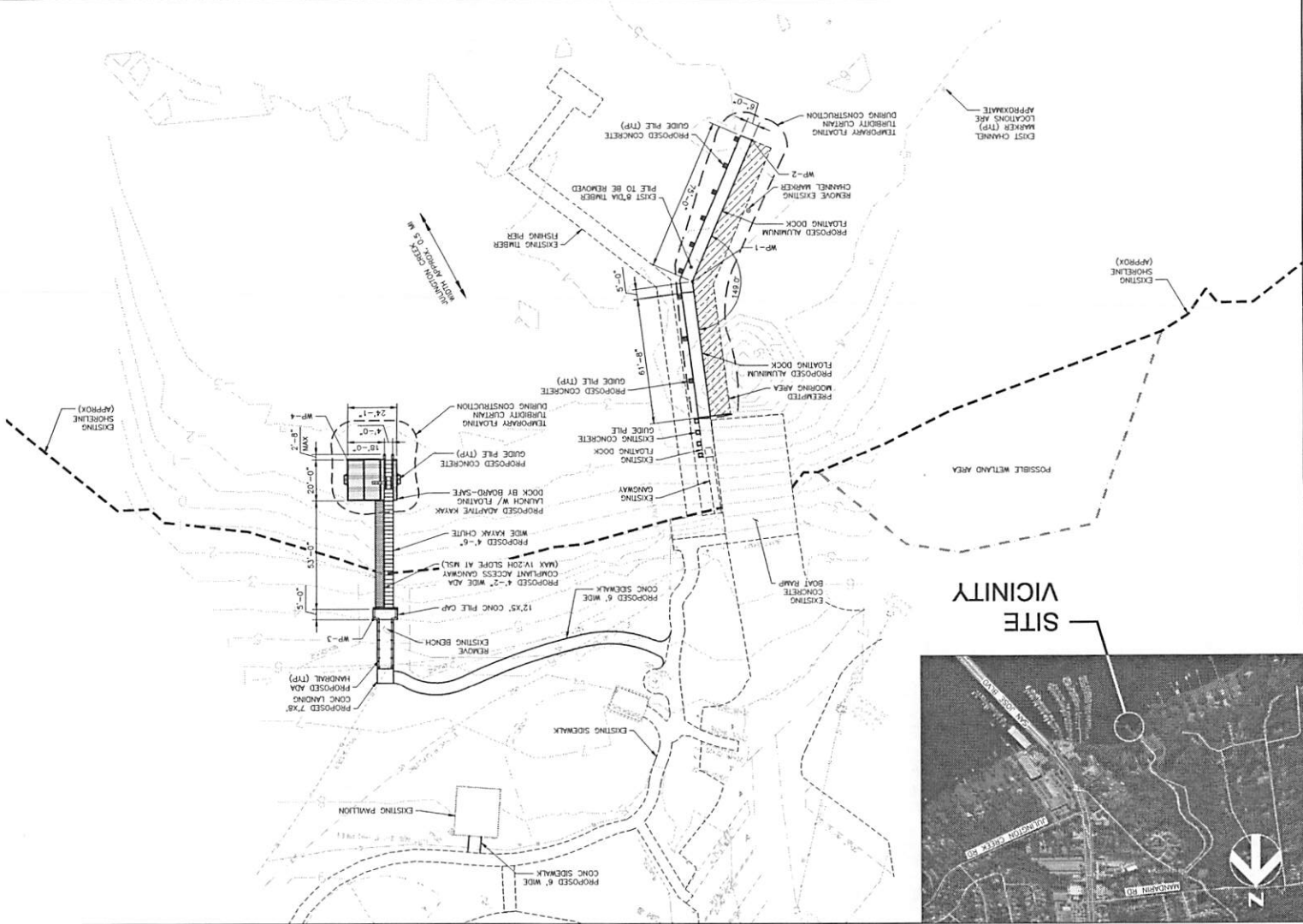
**COVERAGE BELOW MHW
CONTOUR (EL.=+0.34 NAVD 88)**

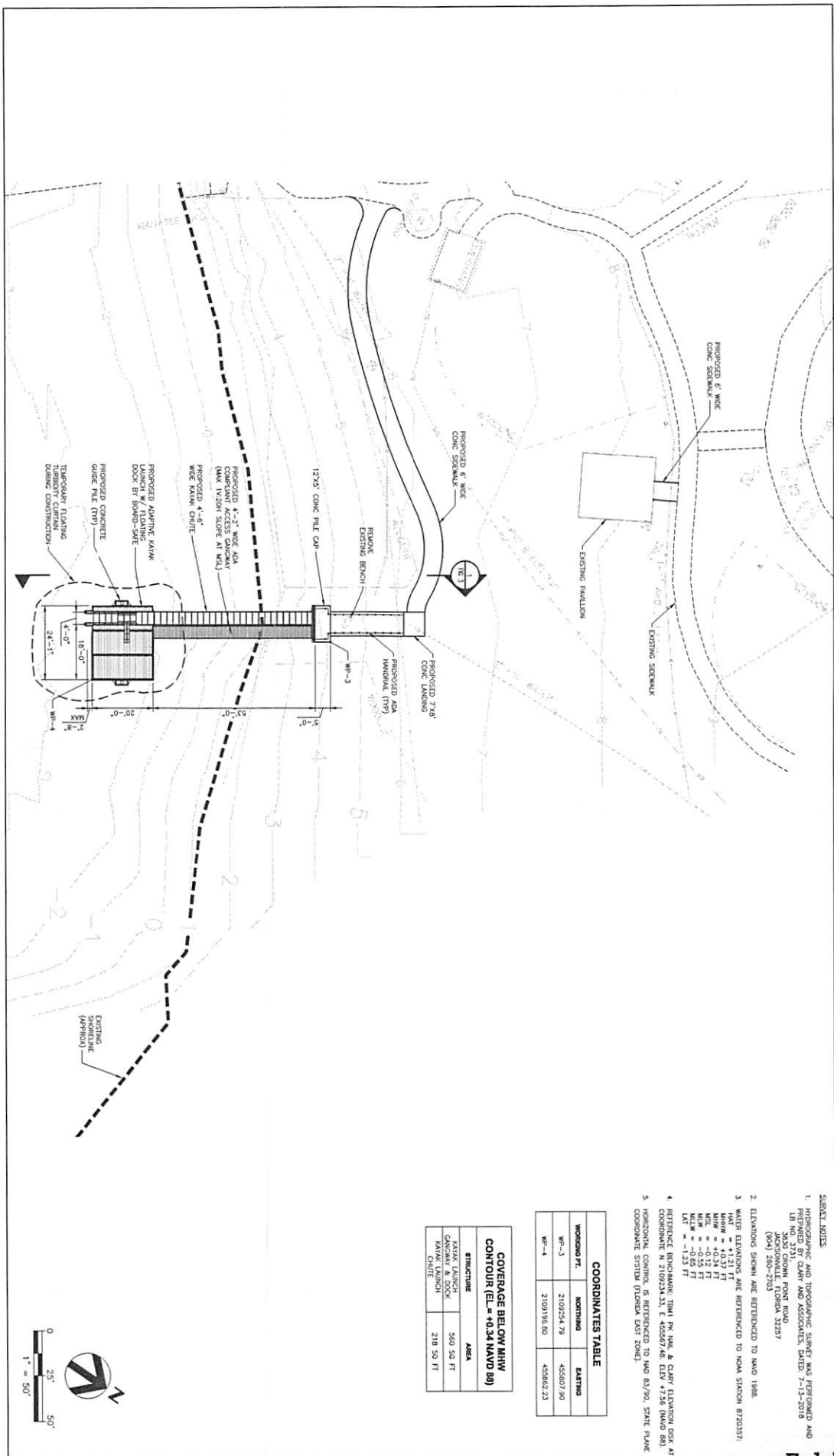
STRUCTURE	AREA
EXISTING BOAT RAMP	522 SQ FT
EXISTING BOAT DOCK	118 SQ FT
EXISTING FISHING PIER	2065 SQ FT
PROPOSED BOAT DOCK	839 SQ FT
KAYAK LAUNCH GANGWAY & DOCK	560 SQ FT
KAYAK LAUNCH CHUTE	218 SQ FT
PREPARED MOORING AREA	1389 SQ FT

COORDINATES TABLE

WORKING PT.	NORTHING	EASTING
WP-1	2109029.71	455771.01
WP-2	2108956.12	455785.50
WP-3	2109254.79	455807.90
WP-4	2109196.80	455862.23

- SURVEY NOTES**
1. HYDROGRAPHIC AND TOPOGRAPHIC SURVEY WAS PERFORMED AND PREPARED BY CLARY AND ASSOCIATES, DATED: 7-13-2018
LD NO. 2571,
3300 CHOWN POINT ROAD
JACKSONVILLE, FLORIDA 32257
(904) 280-2703
 2. ELEVATIONS SHOWN ARE REFERENCED TO NAVD 1988.
WATER ELEVATIONS ARE REFERENCED TO NOAA STATION 8720257:
MHW = +0.37 FT
MLW = +0.34 FT
MEL = -0.12 FT
MLM = -0.55 FT
MLW = -0.65 FT
LAT = -1.23 FT
 3. REFERENCE BENCHMARK TBM1 PV N&L & CLARY ELEVATION DISK AT CORNER IN 2109234.33, E 455967.48, ELEV +7.58 (NAVD 88)
 4. HORIZONTAL CONTROL IS REFERENCED TO NAD 83/90, STATE PLANE COORDINATE SYSTEM (FLORIDA EAST ZONE).





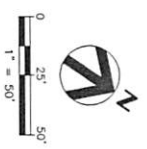
- SUBJECT NOTES**
1. HYDROGRAPHIC AND TOPOGRAPHIC SURVEY WAS PERFORMED AND PREPARED BY CLARY AND ASSOCIATES, DATED 7-13-2018 (LP NO.30) SHOWING POINT ROAD JACKSONVILLE, FLORIDA 32227 (904) 200-2703
 2. ELEVATIONS SHOWN ARE REFERENCED TO NAD 1983.
 3. WATER ELEVATIONS ARE REFERENCED TO NOAA STATION 8720257;
 - HWM = +1.21 FT
 - MHW = +0.34 FT
 - MWL = -0.55 FT
 - MLW = -0.65 FT
 - LN = -1.23 FT
 4. REFERENCE ELEVATIONS: TBM BY N.A. & B.M. ELEVATION 856.41' CORNER 11' 9" FROM S.W. 45587.46' ELEV +1.56' (NAD 83)
 5. HORIZONTAL CONTROL IS REFERENCED TO NAD 83/90, STATE PLANE COORDINATE SYSTEM (GCSN 8301 5003).

COORDINATES TABLE

WORKING PT.	NORTHING	EASTING
WP-3	2109254.79	45587.90
WP-4	2109196.80	455862.23

COVERAGE BELOW AIRWAY CONTROL (E.L. = +0.34 NAD 83)

STRUCTURE	AREA
KAYAK LAUNCH	560 SQ. FT.
GANWAY & DOCK	218 SQ. FT.
EXISTING SHOULDER (APPROX)	



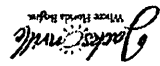
HJR

SITE PLAN - KAYAK LAUNCH
MANDARIN PARK ADA KAYAK LAUNCH

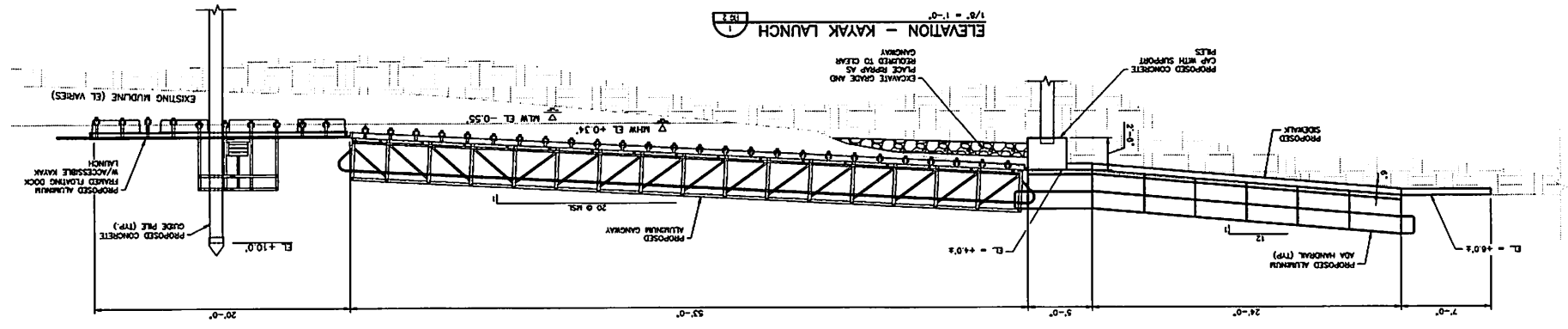
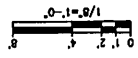
CITY OF JACKSONVILLE PUBLIC WORKS

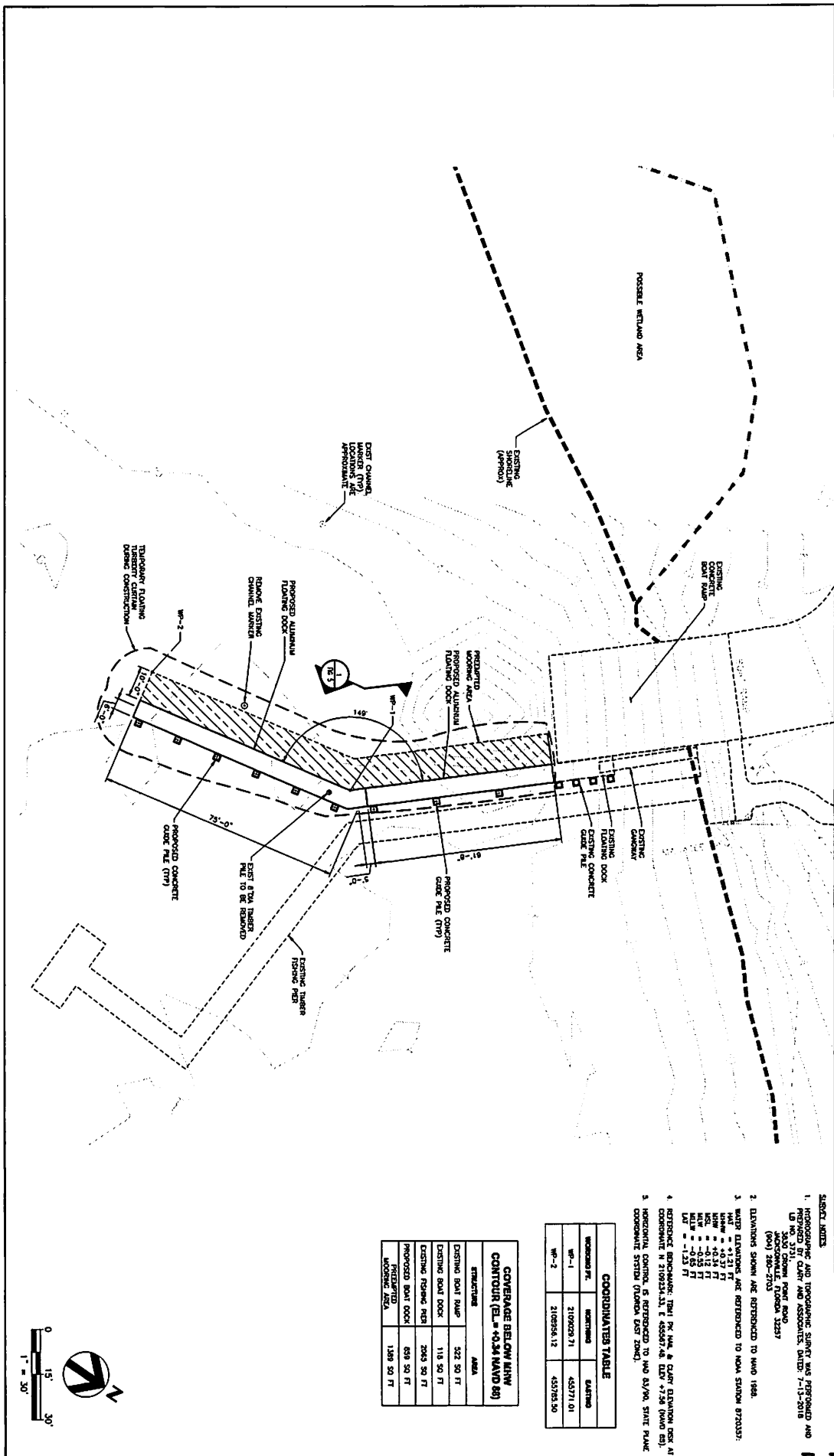
DATE: **DECEMBER 2018**

FIGURE: **2**



KAYAK LAUNCH ELEVATION VIEW
MANDARIN PARK ADA KAYAK LAUNCH





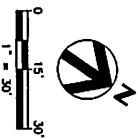
- SHEET NOTES**
1. TOPOGRAPHIC AND TPOGRAPHIC SURVEY WAS PERFORMED AND PROVIDED BY CAHY AND ASSOCIATES, DATED 7-13-2018 (JOB NO. 21) JACKSONVILLE, FLORIDA 32237 (800) 280-2103
 2. ELEVATIONS SHOWN ARE REFERENCED TO MVD 1988.
 3. WATER ELEVATIONS ARE REFERENCED TO NOAA STATION 8720337:
 - MVD = +1.31 FT
 - MHW = +0.34 FT
 - MHT = +0.24 FT
 - MFL = -0.45 FT
 - MLL = -0.65 FT
 - MSL = -1.33 FT
 4. REFERENCE BENCHMARK: TBM 26, MVD, & COLOR ELEVATION DES. AT COORDINATE N 2109229.71, E 452717.01, ELEVATION 52.715 (VAND 89).
 5. HORIZONTAL CONTROL IS REFERENCED TO MVD 83/94, STATE PLANE COORDINATE SYSTEM (GUYAN 83/ 89M).

COORDINATES TABLE

WORKING P.C.	NORTHING	EASTING
WP-1	2109229.71	452717.01
WP-2	2109254.12	452725.50

COVERAGE BELOW MINV CONTOUR (E.L. = +0.34 NAVD 89)

STRUCTURE	AREA
EXISTING BOAT RAMP	322 SQ FT
EXISTING BOAT DOCK	118 SQ FT
EXISTING FISHING AREA	2043 SQ FT
PROPOSED BOAT DOCK	629 SQ FT
PROPOSED WORKING AREA	1389 SQ FT

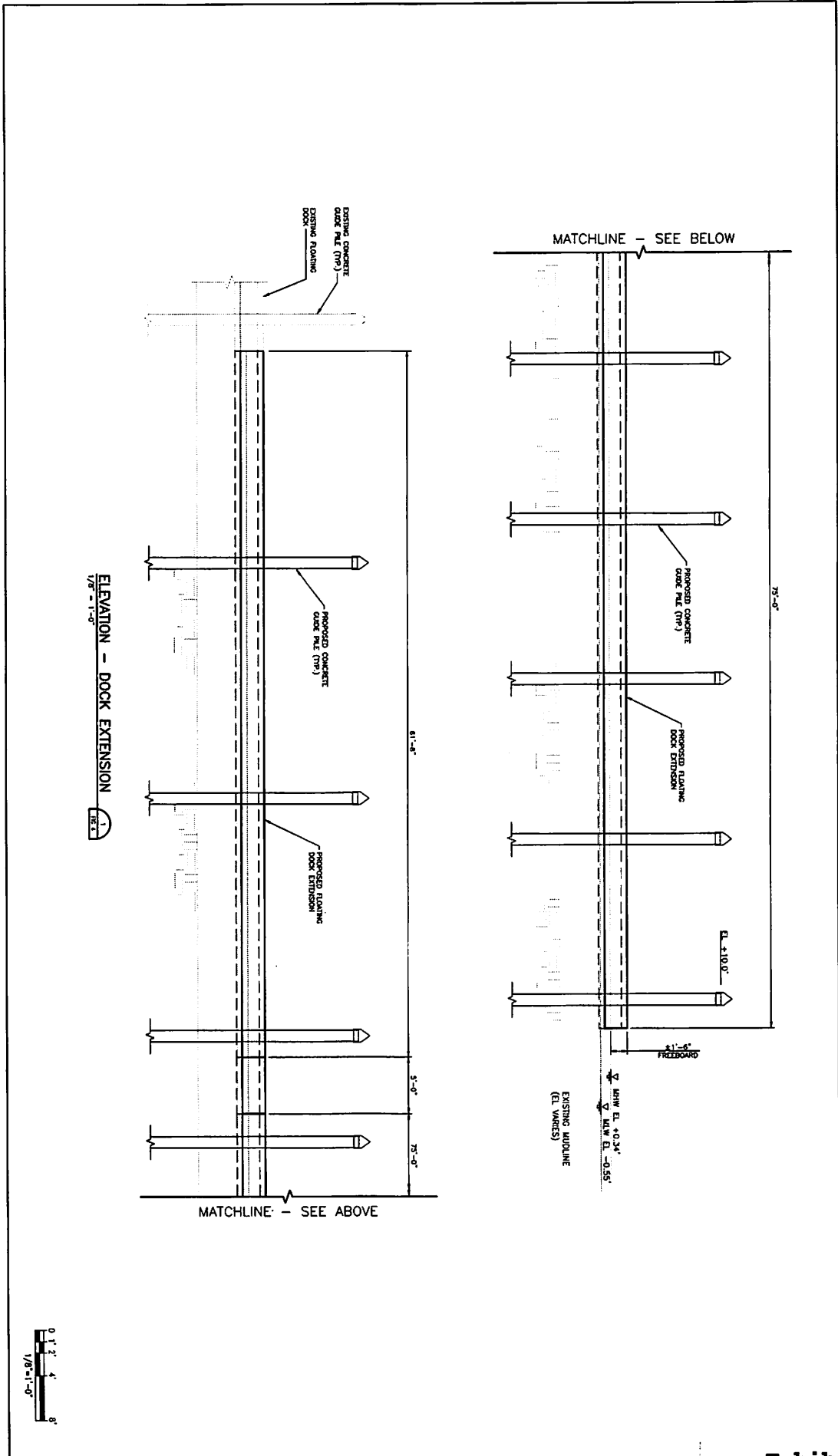


**SITE PLAN - BOAT DOCK
MANDARIN PARK ADA KAYAK LAUNCH**

CITY OF JACKSONVILLE PUBLIC WORKS

DATE
DECEMBER 2018

FIGURE
4



ELEVATION - DOCK EXTENSION
 1/8" = 1'-0"



DOCK EXTENSION ELEVATION VIEW
MANDARIN PARK ADA KAYAK LAUNCH
 CITY OF JACKSONVILLE PUBLIC WORKS



DATE: DECEMBER 2018
 FIGURE: 5

OPINION OF PROBABLE CONSTRUCTION COST



City of Jacksonville Department of Public Works

Estimated By: RJD
 Checked By: JEB
 QA/QC: CMM
 Date: November 9, 2018

MANDARIN PARK ADA KAYAK LAUNCH
Issue for Grant Funding Application

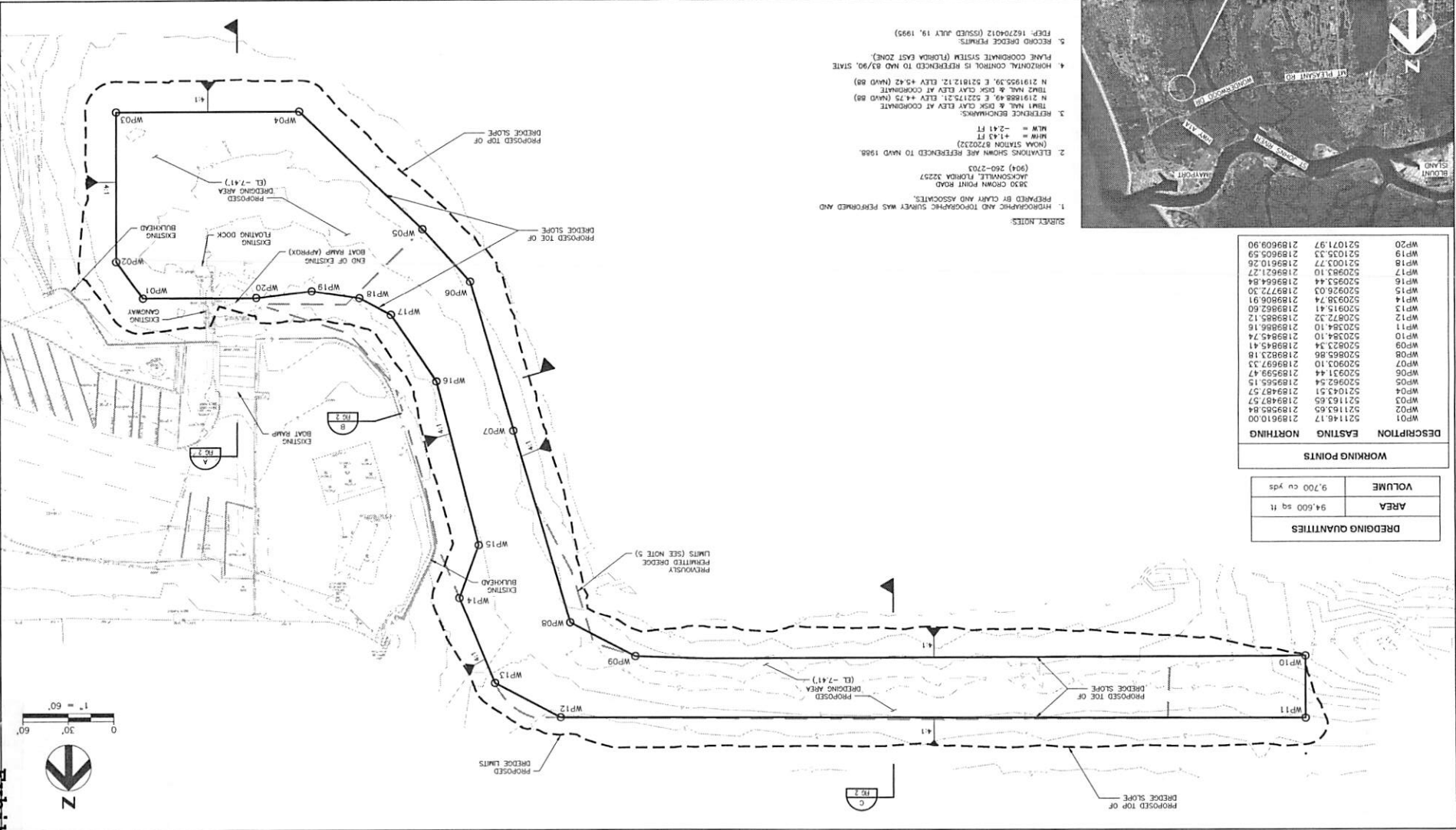
Item Description	Quantity		Unit Cost	Work Subtotal	Extended Total
	QTY	Unit			
Item No. 1 - General					\$142,500
Mobilization/Demobilization	1	LS	\$120,000	\$120,000	
Construction Layout & As-Built Survey	1	LS	\$15,000	\$15,000	
Erosion and Turbidity Controls	1	LS	\$7,500	\$7,500	
Item No. 2 - Floating Dock Extension					\$113,750
Concrete Guide Piles (Furnish and Install)	300	VLF	\$175	\$52,500	
Aluminum Floating Dock (Furnish)	490	SF	\$90	\$44,100	
Aluminum Floating Dock (Install)	490	SF	\$35	\$17,150	
Item No. 3 - ADA Kayak Launch					\$165,475
Concrete Landing Piles (Furnish and Install)	70	VLF	\$175	\$12,250	
Concrete Landing Cap and Pile Connections	1	LS	\$8,000	\$8,000	
Concrete Guide Pile (Furnish and Install)	100	VLF	\$175	\$17,500	
Aluminum ADA Kayak Launch (Furnish)	889	SF	\$90	\$80,010	
Aluminum ADA Kayak Launch (Install)	889	SF	\$35	\$31,115	
Aluminum Handrail (Furnish and Install)	58	LF	\$200	\$11,600	
Bank Grubbing and Riprap	1	LS	\$5,000	\$5,000	
Item No. 4 - Concrete Sidewalk					\$25,100
Site Preparation/Excavation/Fill/Grading	1	LS	\$5,000	\$5,000	
Concrete Sidewalk	180	LF	\$100	\$18,000	
Sodding	300	SY	\$7	\$2,100	
SUBTOTAL					\$446,825
Overhead & Profit	15%				\$67,000
Project Contingency	30%				\$154,100
PROJECT GRAND TOTAL					\$667,925

Notes:

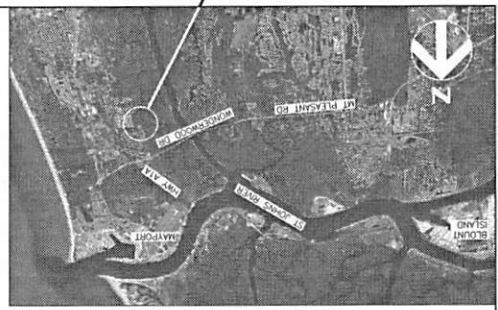
1. Opinion of Probable Construction Cost (OPCC) is based on HDR's understanding of current labor and material costs and reasonable estimates of construction activity duration.



**SITE PLAN
 OAK HARBOR MAINTENANCE DREDGING**



- SURVEY NOTES:**
1. HYDROGRAPHIC AND TOPOGRAPHIC SURVEY WAS PERFORMED AND PREPARED BY CLARY AND ASSOCIATES.
 2. ELEVATIONS SHOWN ARE REFERENCED TO NAD 1988 (NAD 83) STATION 8720222 (NAD 83) STATION 8720222 (949 260 2703 JACKSONVILLE, FLORIDA 32207)
 3. REFERENCE BENCHMARKS: TBM#1 NAD & DEK CLAY ELEV AT COORDINATE N 2191868.49, E 5221725.21, ELEV +4.75 (NAD 83) TBM#2 NAD & DEK CLAY ELEV AT COORDINATE N 2191955.39, E 5218121.72, ELEV +5.42 (NAD 83)
 4. HORIZONTAL CONTROL IS REFERENCED TO NAD 83/90, STATE PLANE COORDINATE SYSTEM (FLORIDA EAST ZONE)
 5. RECORD DREDGE PERMITS: DEP# 16270412 (ISSUED JULY 19, 1995)



DESCRIPTION	EASTING	NORTHING
WP01	521146.17	219610.00
WP02	521163.65	219585.84
WP03	521163.65	219448.57
WP04	521043.51	219448.57
WP05	520962.54	218955.15
WP06	520931.44	218959.47
WP07	520903.10	218667.33
WP08	520865.86	2189823.18
WP09	520823.34	2189845.41
WP10	52034.10	218945.74
WP11	52034.10	218986.16
WP12	520872.32	2189885.12
WP13	520915.41	2189862.60
WP14	520926.03	2189772.30
WP15	520936.03	2189772.30
WP16	520953.44	2189664.84
WP17	520983.10	2189621.27
WP18	521003.77	2189610.26
WP19	521035.33	2189609.59
WP20	521071.97	2189609.90

DREDGING QUANTITIES	
AREA	94,600 sq ft
VOLUME	9,700 cu yds

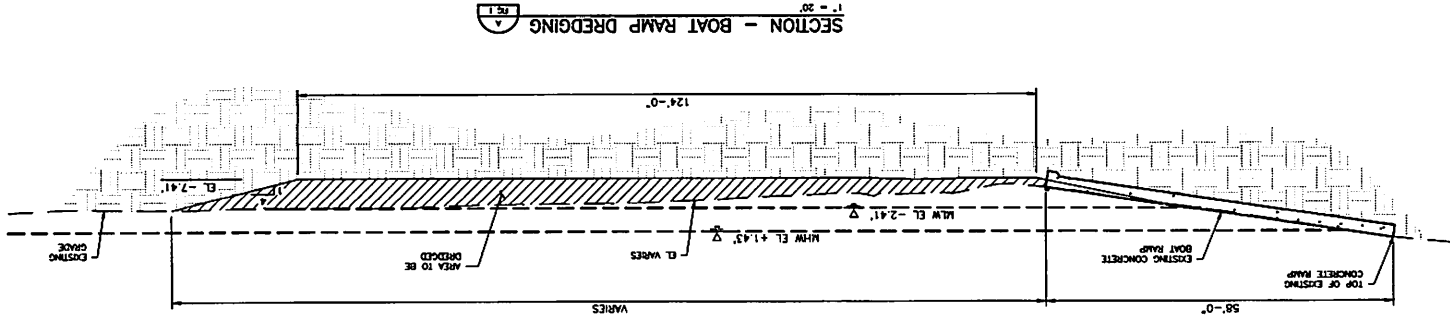
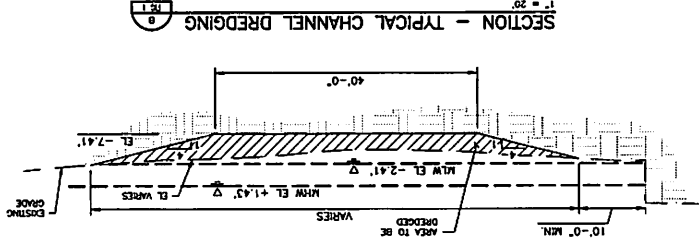
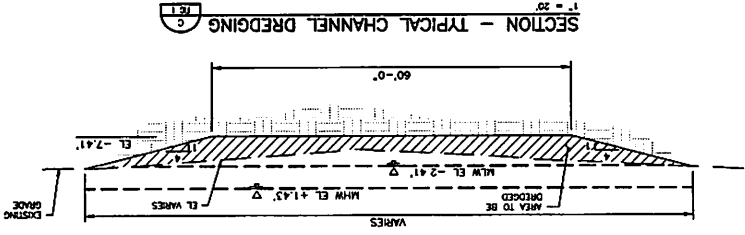
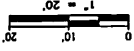


CITY OF JACKSONVILLE PUBLIC WORKS



**SECTION VIEWS
OAK HARBOR MAINTENANCE DREDGING**

DATE
NOVEMBER 2018
FIGURE
2



OPINION OF PROBABLE CONSTRUCTION COST



City of Jacksonville Department of Public Works

Estimated By: RJD
 Checked By: JEB
 QA/QC: CMM
 Date: November 9, 2018

OAK HARBOR MAINTENANCE DREDGING

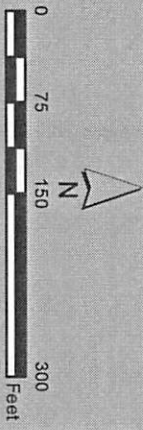
Issue for Grant Funding Application

Item Description	Quantity		Unit Cost	Work Subtotal	Extended Total
	QTY	Unit			
Item No. 1 - General					\$192,000
Mobilization/Demobilization	1	LS	\$150,000	\$150,000	
As-Built/Payment Surveys	1	LS	\$30,000	\$30,000	
Environmental Protection/Turbidity Controls	1	LS	\$12,000	\$12,000	
Item No. 2 - Dredging Operations					\$844,800
Dredging Construction	13,200	CY	\$26	\$343,200	
Dredged Material Transport and Offloading (Bartram Island DMMA)	13,200	CY	\$38	\$501,600	
SUBTOTAL					\$1,036,800
Overhead & Profit	15%				\$155,500
Project Contingency	30%				\$357,700
PROJECT GRAND TOTAL					\$1,550,000

Notes:

- Opinion of Probable Construction Cost (OPCC) is based on HDR's understanding of current labor and material costs and reasonable estimates of construction activity duration.
- OPCC assumes disposal of dredged material will take place at the westernmost tip of Bartram Island DMMA - a distance of ± 10 - 11 nautical miles from the dredging site. The OPCC assumes that tipping fees for disposal are waived for this project.
- The dredging volume represents an in-situ volume and includes 1-ft of allowable overdredge.

Johnston Island



Intracoastal Waterway

Johnston Island

Atlantic Blvd

12

1

Project Title	Johnston Island Acquisition
Project Location	Intracoastal Waterway/Under Atlantic Blvd Bridge
Department	Parks, Recreation & Community Services
Program Area	Parks / Preservation Land / Wetland

Council District(s)	13
Project No	
Ordinance No	
BT No	

Project Comp Date	
Dpt Ranking	
Prj ID	419
Useful Life	

Description or Scope
 Acquisition of Johnston Island with the Intracoastal Waterway under the Atlantic Blvd Bridge for future public recreational use. Acquisition would be dependent upon equal funding (\$562,000) by the City of Atlantic Beach and the ability to secure a FIND grant for 25% of the cost.

Justification
 Activation of Waterways by creating a public recreational destination in a popular area.

Funding Sources	Total	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	Beyond 5
Transfer Between Projects	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt / Borrowed Funds	\$562,500	\$0	\$562,500	\$0	\$0	\$0	\$0
Pay - Go	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contribution - Private Sources	\$562,500	\$0	\$562,500	\$0	\$0	\$0	\$0
Grant / Trust Fund	\$375,000	\$0	\$375,000	\$0	\$0	\$0	\$0
Totals	\$1,500,000	\$0	\$1,500,000	\$0	\$0	\$0	\$0

Expenditures / Project Phase	Total	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	Beyond 5
Design and Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition and Site Prep	\$1,500,000	\$0	\$1,500,000	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Misc. Equipment and Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Art in Public Places	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Totals	\$1,500,000	\$0	\$1,500,000	\$0	\$0	\$0	\$0

Operating Budget Impact	Total	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	Beyond 5
Additional Employees (FTEs)	0	0	0	0	0	0	0
Personnel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contractual Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Utilities	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Materials / Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0	\$0	\$0