FERNANDINA HARBOR MARINA BOUNDARY

INTRACOASTAL WATERWAY

MARINA DREDGING PLAN
ALTERNATIVE 1

KEITH A. KNIGHT P.E. #58084
TAYLOR ENGINEERING INC.
10151 DEERWOOD PARK BLVD.
BLDG. 300, SUITE 300
JACKSONVILLE, FLORIDA 32256
(904)-731-7040

CERTIFICATE OF AUTHORIZATION # 4815
1675 PALM BEACH LAKES, SUITE 210
WEST PALM BEACH, FLORIDA 33401
(561)-640-7310

PROJECT TITLE
ATLANTIC INTRACOASTAL WATERWAY MAINTENANCE DREDGING
NASSAU COUNTY, FLORIDA

SUNSHINE STATE ONE CALL OF FLORIDA
SUNSHINE 811 - ALWAYS CALL 811 BEFORE YOU DIG
1-800-638-4097

EXISTING CONTOURS (12-2016)
DREDGED MATERIAL TO BE REMOVED
AERIAL: GOOGLE EARTH, 2016

DREDGE HARBOR MARINA TO -7.5' MLLW (-8.0' MLW)

GRAPHIC SCALE

22X34: 1" = 100'
11X17: 1" = 200'

VERT. SCALE: 1" = 5' (22x34)
VERT. SCALE: 1" = 10' (11x17)
ALL INNER DOCKS DISASSEMBLED AND STORED FLOATING WITHIN MARINA BASIN
NO DREDGING OR OTHER WORK IN NORTH BASIN

DREDGED MATERIAL TO BE REMOVED
CONCRETE & WOODEN PILES TO BE REMOVED

NOTES:
1. APPROXIMATELY 62 CONCRETE PILES TO BE REMOVED. 18"X18", 58' LONG, 30'-35' EMBEDMENT DEPTH
2. APPROXIMATELY 8 WOODEN PILES. 18"Ø, 50' LONG, 25'-30' EMBEDMENT

EXISTING CONTOURS (12-2016)
AERIAL: GOOGLE EARTH, 2016

DREDGE HARBOR MARINA TO -7.8' MLLW (-8.0' MLW)
STAGING AREA FOR PULLED PILES

TAYLOR ENGINEERING INC.
17110 DEERDOGS PARK BLVD.
JACKSONVILLE, FL 32258
(904) 731-7040

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1675 PALM BEACH LAKES, SUITE 210
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MARINA DREDGING PLAN ALTERNATIVE 3

KEITH A. KNIGHT P.E. # 58084
TAYLOR ENGINEERING INC.
10151 DEERWOOD PARK BLVD.
BLDG. 300, SUITE 300
JACKSONVILLE, FLORIDA 32256
(904) 731-7040

ANTON FLEWELLING, 7/3/2017 1:29:06 PM, X:\sys\Projects\C2015-048 FIND Nassau Reach 1\Construction\C2015-048-C-DredgePlan Marina Alt3.dwg

SCALE
GRAPHIC SCALE
22X34: 1" = 100'
11X17: 1" = 200'
VERT. SCALE: 1" = 5'
VERT. SCALE: 1" = 10'

EXISTING CONTOURS (12-2016)
AERIAL: GOOGLE EARTH, 2016
DREDGED MATERIAL TO BE REMOVED
CONCRETE & WOODEN PILES TO BE REMOVED

NOTES:
1. APPROXIMATELY 62 CONCRETE PILES TO BE REMOVED. 18"X18", 58' LONG, 30'-35' EMBEDMENT DEPTH
2. APPROXIMATELY 8 WOODEN PILES. 18"Ø, 50' LONG, 25'-30' EMBEDMENT
<table>
<thead>
<tr>
<th>ELEVATION IN FEET (MLLW)</th>
<th>DISTANCE IN FEET</th>
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<tbody>
<tr>
<td>-15</td>
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</table>

**CUT 27-G**

**CUT 27-J**

**CUT 27-K**

**EXISTING GRADE**

**ALLOWABLE 2 FT OVERDREDGE**

**TAYLOR ENGINEERING INC.**

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WEST PALM BEACH, FLORIDA 33401

NASSAU COUNTY, FLORIDA
JACKSONVILLE, FLORIDA 32256

**BEFORE YOU DIG**

**DREDGING**

JUNE 2017

**NO REVISIONS / SUBMISSIONS**

**SCALE**

**CROSS-SECTIONS**

**TAYLOR ENGINEERING INC.**

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**BEFORE YOU DIG**

**DREDGING**

JUNE 2017

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ATLANTIC INTRACOASTAL WATERWAY MAINTENANCE DREDGING
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DMMA DU-2 CAPACITY: 154,000 CY

DMMA DU-2 PLAN
C-14 SHEET 14 OF 16
1. THE CONTRACTOR SHALL SUBMIT A DETAILED TURBIDITY AND WATER QUALITY MANAGEMENT AND MONITORING PLAN (MS SECTION 8) PRIOR TO COMMENCEMENT OF CONSTRUCTION.

2. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES AS NECESSARY TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS AND COMPLY WITH STATE WATER QUALITY CRITERIA FOR STORM WATER DISCHARGE. EROSION CONTROL MEASURES INCLUDE BUT ARE NOT LIMITED TO TURBIDITY SCREENS, MULTIPLE HAY BALES, AND GRASS SEEDED/GRASSED, FERTILIZED, AND MAINTAINED IN ACCORDANCE WITH CHART 1, SHEET 1 OF F.D.O.T. INDEX NO. 102.

3. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY BUILDING, CONSTRUCTION, AND TIDAL WATERS ADJACENT TO CONSTRUCTION.

4. DISTURBED AREAS NOT INCLUDING ROADWAYS AND WETLANDS SHALL BE SEEDED OR GRASSED, FERTILIZED, AND MAINTAINED IN ACCORDANCE WITH CHART 1, SHEET 1 OF F.D.O.T. INDEX NO. 102.

5. SIW FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER CONSTRUCTION, AND ONLY WHEN AREAS HAVE BEEN STABILIZED.

6. SIW FENCES AND FILTER BARRIERS SHALL BE EXPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

7. THE CONTRACTOR SHALL SUBMIT A DETAILED TURBIDITY AND WATER QUALITY MANAGEMENT AND MONITORING PLAN 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES AS NECESSARY TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS AND COMPLY WITH STATE WATER QUALITY CRITERIA FOR STORM WATER DISCHARGE. EROSION CONTROL MEASURES INCLUDE BUT ARE NOT LIMITED TO TURBIDITY SCREENS, MULTIPLE HAY BALES, AND GRASS SEEDED/GRASSED, FERTILIZED, AND MAINTAINED IN ACCORDANCE WITH CHART 1, SHEET 1 OF F.D.O.T. INDEX NO. 102.

8. THE CONTRACTOR SHALL SUBMIT A DETAILED TURBIDITY AND WATER QUALITY MANAGEMENT AND MONITORING PLAN 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES AS NECESSARY TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS AND COMPLY WITH STATE WATER QUALITY CRITERIA FOR STORM WATER DISCHARGE. EROSION CONTROL MEASURES INCLUDE BUT ARE NOT LIMITED TO TURBIDITY SCREENS, MULTIPLE HAY BALES, AND GRASS SEEDED/GRASSED, FERTILIZED, AND MAINTAINED IN ACCORDANCE WITH CHART 1, SHEET 1 OF F.D.O.T. INDEX NO. 102.

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