



Interoffice Memorandum

11-21-08P039 0-ARNV

November 18, 2019

NOV2119 9:59AM

TO: Katie Smith, Manager
Comptroller Clerk's Office

THROUGH: Cheryl Gillespie, Agenda Development Supervisor
Agenda Development

FROM: David D. Jones, P.E., CEP, Manager
Environmental Protection Division
(407) 836-1406

STAFF PERSON: **Elizabeth R. Johnson, CEP, Assistant Manager
Environmental Protection Division
407-836-1511**

SUBJECT: Request for Public Hearing on December 17, 2019, at 2:00 p.m., for a Shoreline Alteration/Dredge and Fill Permit Application (SADF-19-02-002) to conceptually authorize hydraulic dredging and associated restoration activities of certain portions of Lake Apopka, located at 3451 Lust Road, Apopka, Parcel ID Nos. 12-21-27-0000-00-006, 01-22-27-0000-00-083, 07-21-27-0000-00-002 and 31-21-28-2855-24-000, Districts 1 and 2

Applicant: St. Johns River Water Management District

Type of Hearing: Shoreline Alteration/Dredge and Fill

Hearing required by Florida Statute # or Code: Orange County Code, Chapter 15, Article VI

Advertising requirements: Publish once in a newspaper of general circulation in Orange County at least (7) seven days prior to public hearing.

Advertising timeframes: At least (7) seven days prior to public hearing

Abutters to be notified: The applicant and the property owners within 500 feet of the project area will be notified at least (7) seven days prior to public hearing by the Environmental Protection Division (EPD).

Lake Advisory Board to be notified: N/A

Estimated time required for public hearing: 2 minutes

December 17, 2019
@
2 PM

LEGISLATIVE FILE # 19-1790

November 18, 2019

Request for Public Hearing - Shoreline Alteration/ Dredge and Fill Permit Application for the St. Johns River Water Management District (SADF-19-02-002)

Page 2

Municipality or other

Public Agency to be notified: Trustees of the Internal Improvement Trust Fund;
public.services@dep.state.fl.us

Florida Department of Environmental Protection – Aaron Watkins,
DEP_CD@dep.state.fl.us

Hearing Controversial: No

District Nos.: 1 and 2

Materials being submitted as backup for public hearing request:

1. Site Plans
2. Location Map

Special Instructions to Clerk:

1. Once the Board of County Commissioners makes a decision on the Shoreline Alteration/Dredge and Fill Permit Application, please submit the decision letter to Michelle Gonzalez of EPD. EPD will issue the decision to the applicant.

Advertising Language:

2. St. Johns River Water Management District requests a permit to conceptually authorize hydraulic dredging and associated restoration activities of certain portions of Lake Apopka pursuant to Orange County Code, Chapter 15, Article VI, Section 15-218(d). PID Nos.: 12-21-27-0000-00-006, 01-22-27-0000-00-083, 07-21-27-0000-00-002 and 31-21-28-2855-24-000. Lake Apopka. Districts 1 and 2 (property legal description on file at EPD).

KGK/NT/TMH/ERJ/DJ: mg

Attachments

Shoreline Alteration/Dredge and Fill Permit Request

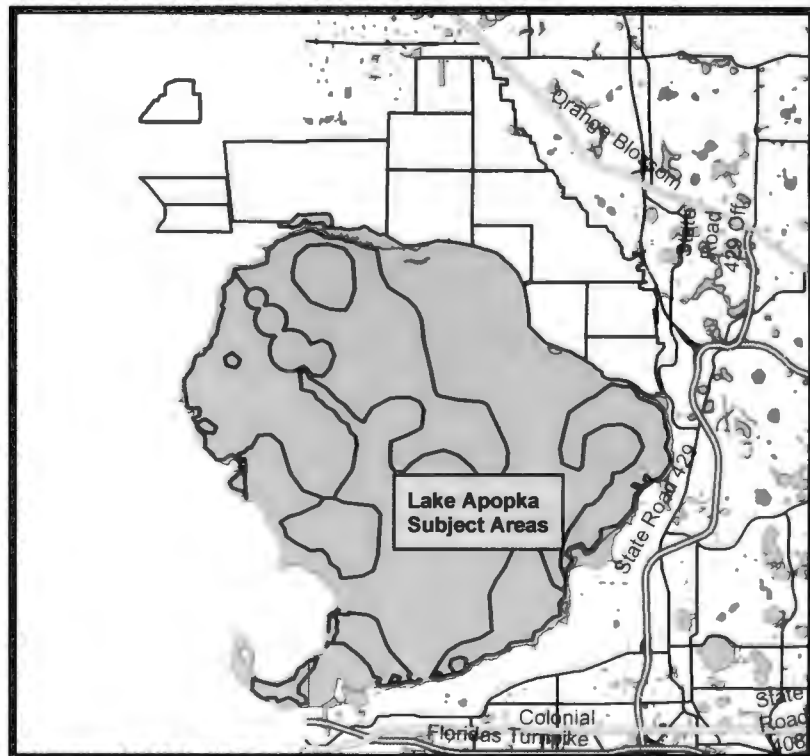


**Shoreline Alteration/ Dredge and Fill
Permit No. SADF-19-02-002
Districts #1 and 2**

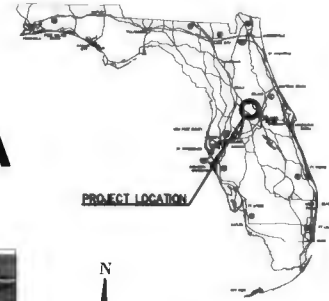
Applicant: St. Johns River Water
Management District
Address: 3451 Lust Road, Apopka
Parcel IDs: Portions of:
12-21-27-0000-00-006
01-22-27-0000-00-083
07-21-27-0000-00-002
31-21-28-2855-24-000

Project Site 

Property Location 



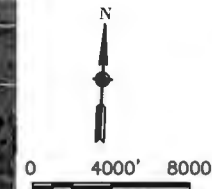
LAKE APOPKA DREDGE AND PLACEMENT TYPICAL PLAN ORANGE AND LAKE COUNTY, FLORIDA



wood.

ENVIRONMENT AND
INFRASTRUCTURE SOLUTIONS
6256 GREENLAND ROAD
JACKSONVILLE, FL 32258
(904) 396-5173
CERTIFICATE OF
AUTHORIZATION LICENSE
NUMBER 5392

INDEX OF DRAWINGS	
SHEET NO	SHEET TITLE
1	COVER SHEET/PROJECT LOCATION
2	LAKE APOPKA BATHYMETRY MAP
3	LAKE APOPKA UNCONSOLIDATED FLOCCULENT (UCF) SEDIMENT THICKNESS MAP
4	TYPICAL DREDGE EXISTING & PROPOSED CROSS-SECTION (1)
5	TYPICAL DREDGE EXISTING & PROPOSED CROSS-SECTION (2)
6	DREDGE PLACEMENT AREA MAP
7	MATERIAL PLACEMENT SITE TYPICAL CROSS-SECTIONS



ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN CHANGED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

GOVERNING SPECIFICATIONS:
FLORIDA FISH AND WILDLIFE
CONSERVATION COMMISSION (FWC);
FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION (FDEP);
U.S. ARMY CORPS OF ENGINEERS
(USACE)
IN THE EVENT OF A CONFLICT, THE
MOST RESTRICTIVE APPLIES.

PLANS PREPARED BY:

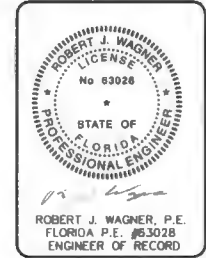
wood.

WOOD ENVIRONMENT AND
INFRASTRUCTURE SOLUTIONS, INC.
6256 GREENLAND ROAD,
JACKSONVILLE, FLORIDA 32258
TEL: (904) 396-5173
WEBSITE: WWW.WOODPLC.COM
EMAIL: Joseph.Wagner@woodplc.com
ENGINEER OR RECORD: ROBERT J.
WAGNER, P.E., D.N.E. (FL63028)
CERTIFICATE OF AUTHORIZATION: FL
5392

PROJECT OWNER:




ST. JOHNS RIVER WATER
MANAGEMENT DISTRICT
4049 REID STREET, PALATKA,
FLORIDA 32177



PROJECT:
**LAKE APOPKA
DREDGING AND
PLACEMENT**

APPLICANT:
**ST. JOHNS RIVER WATER
MANAGEMENT DISTRICT**



WOOD PROJECT No:
6735-17-9417

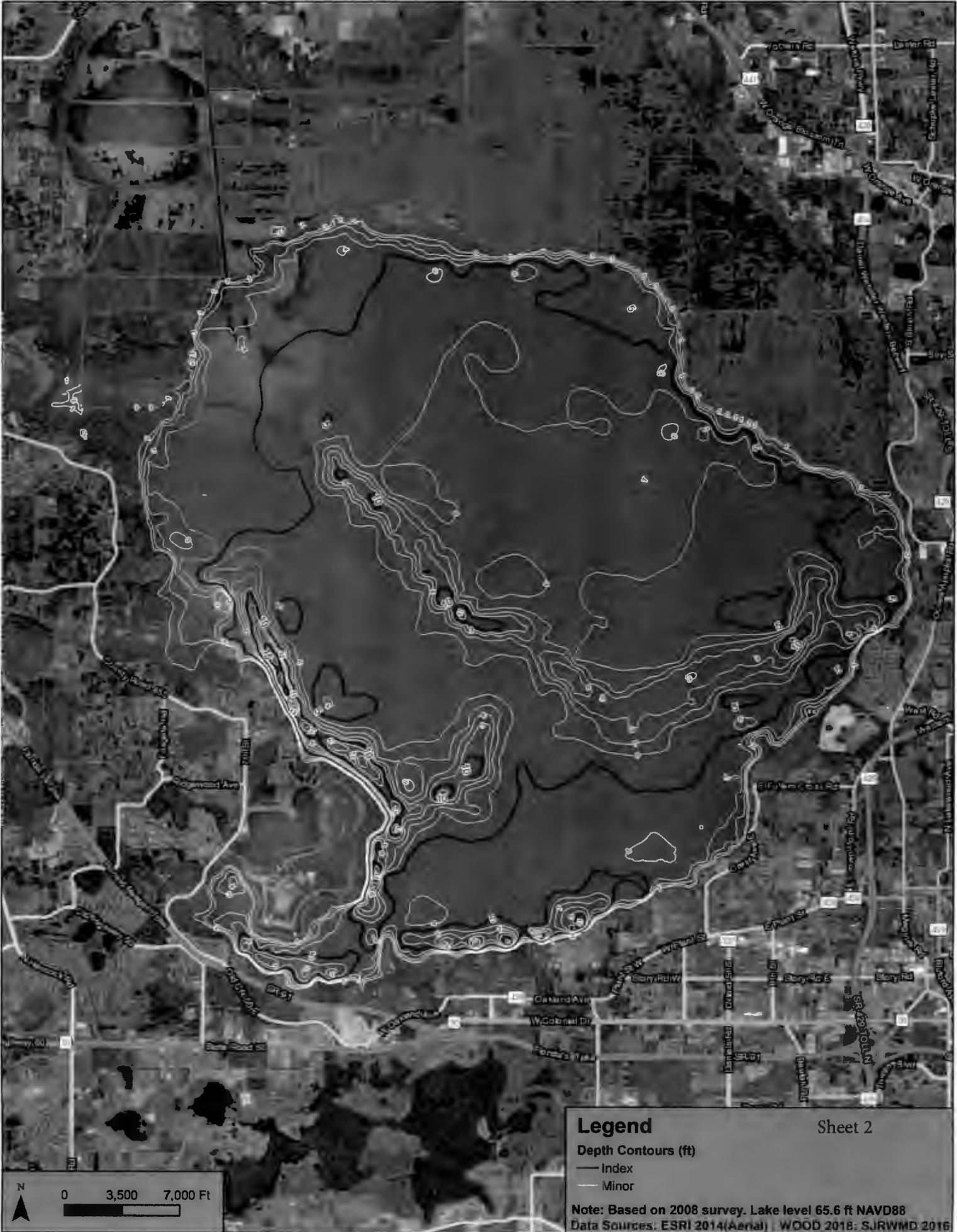
REVISIONS			
NO	DATE	BY	APPROVED

DESIGNED BY:	OTHERS
DRAWN BY:	R.J.
CHECKED BY:	TGD
APPROVED BY:	RJW
DATE:	1/21/2019

SHEET TITLE:
COVER SHEET

SHEET NUMBER:	REV. #
1	
SHEET 1 OF 7 SHEETS	

NOTE: CONCEPTUAL FOR PERMITTING PURPOSES

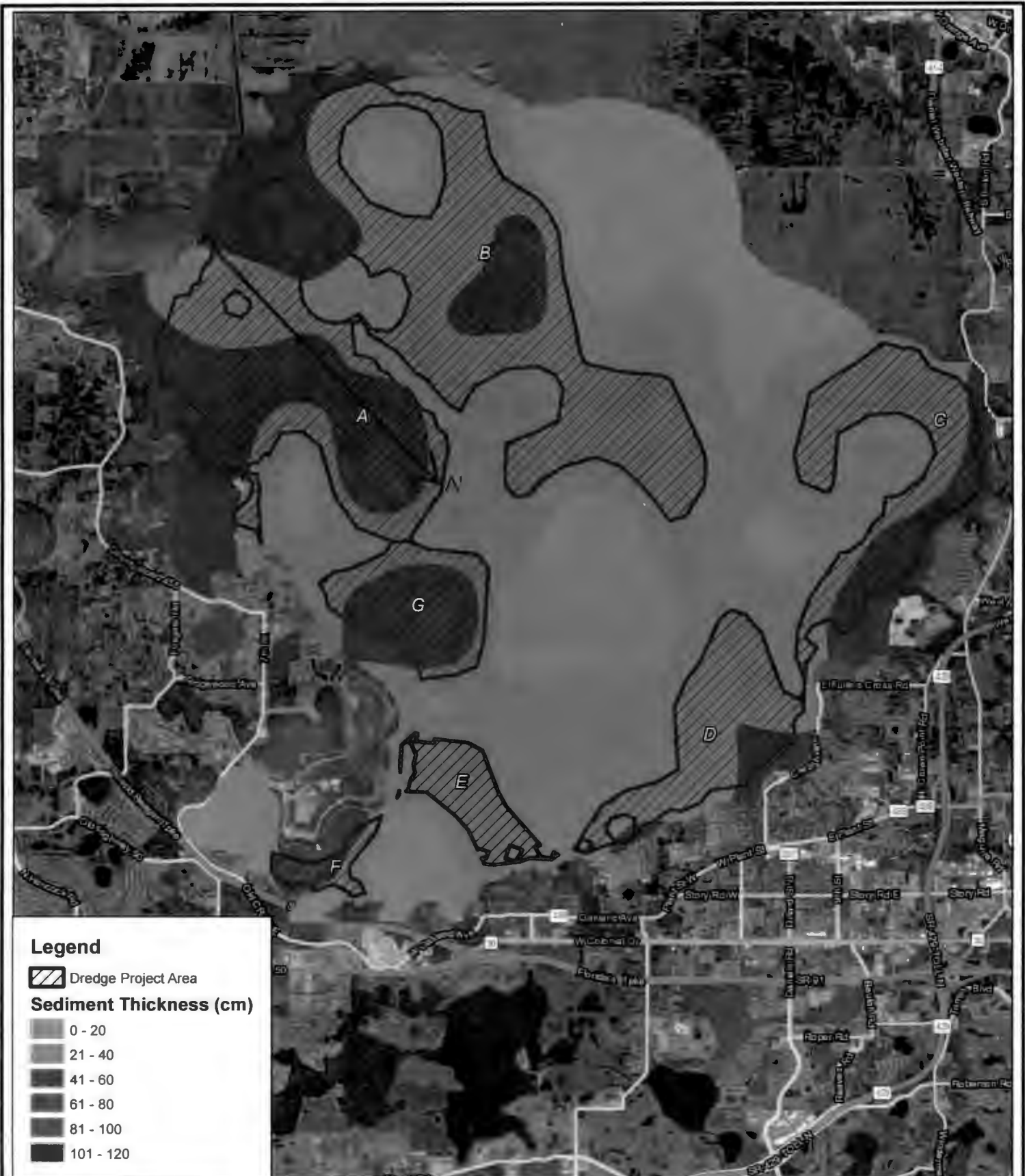


Legend

- Depth Contours (ft)
- Index
- Minor

Sheet 2

Note: Based on 2008 survey. Lake level 65.6 ft NAVD88
Data Sources: ESRI 2014(Aerial) WOOD 2018: SJRWMD 2016



Source: Imagery, ESRI 2017, Wood 2018

Lake Apopka Dredging Project

UCF Thickness Map

Drawn	Date	Gainesville Florida Project No. 6735179417
D/A	1/15/2019	
Checked	Date	
MFC	1/15/2019	



Sheet
3

Lake Apopka Water Elevation - 06/16/2019 = 65.83 feet NAVD
 Normal High Water Elevation = 66.89 feet NAVD

wood.

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PROJECT:

**LAKE APOPKA
 DREDGING AND
 PLACEMENT**

APPLICANT:
**ST. JOHNS
 RIVER WATER
 MANAGEMENT
 DISTRICT**



WOOD PROJECT No:
 6735-17-9417

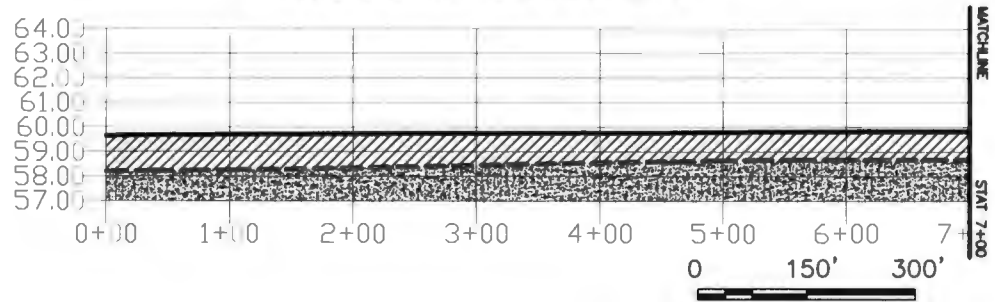
REVISIONS			
NO	DATE	BY	APPROVE

DESIGNED BY:	OTHERS
DRAWN BY:	R.JL
CHECKED BY:	TGD
APPROVED BY:	RJW
DATE:	1/21/2019

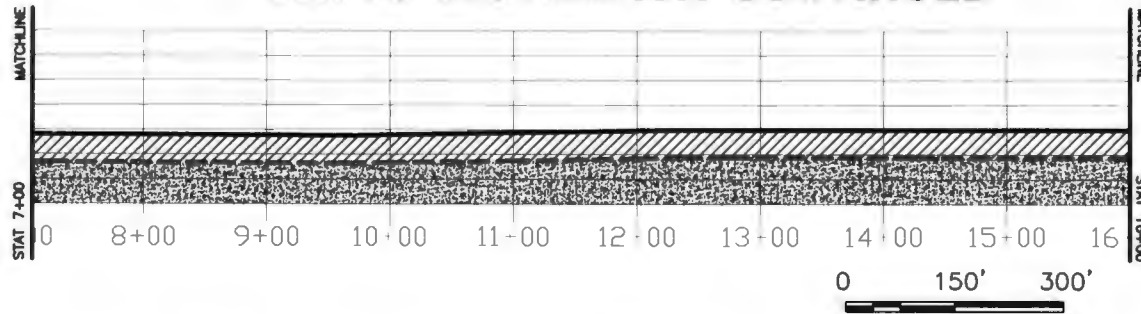
SHEET TITLE:
**TYPICAL DREDGE
 EXISTING
 & PROPOSED
 CROSS-SECTION (1)**

SHEET NUMBER:	REV. #
4	
SHEET 4 OF 7 SHEETS	

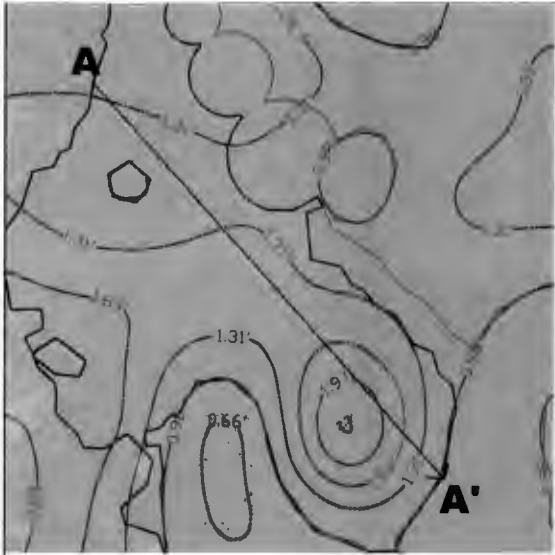
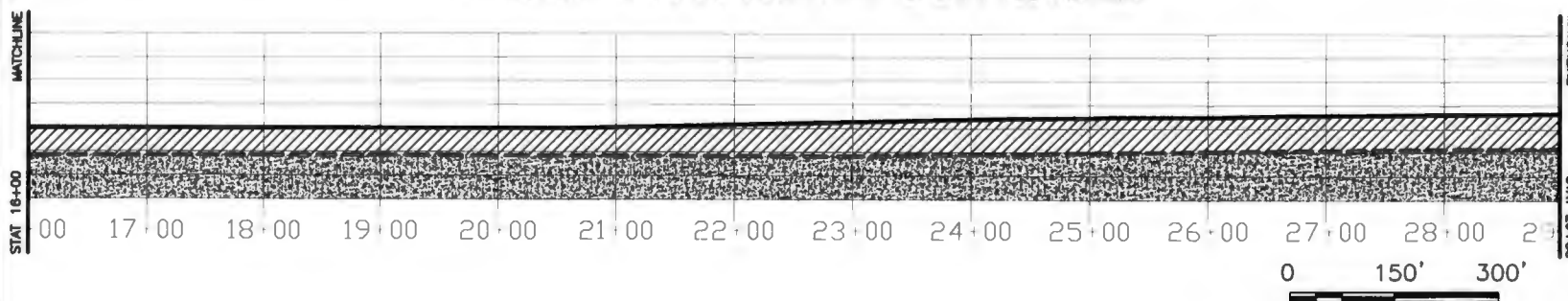
CROSS-SECTION A-A'



CROSS-SECTION A-A' CONTINUED



CROSS-SECTION A-A' CONTINUED



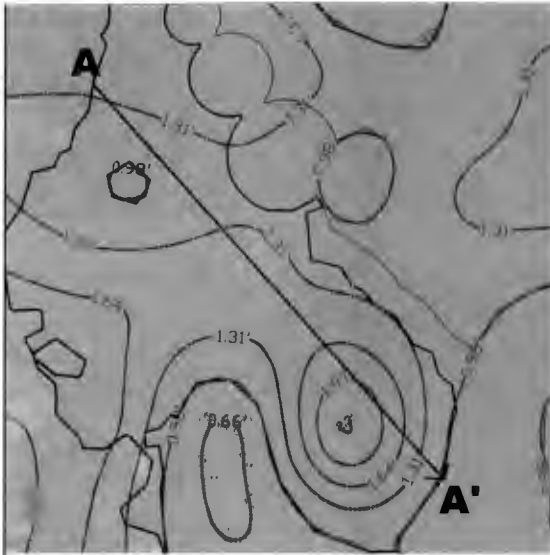
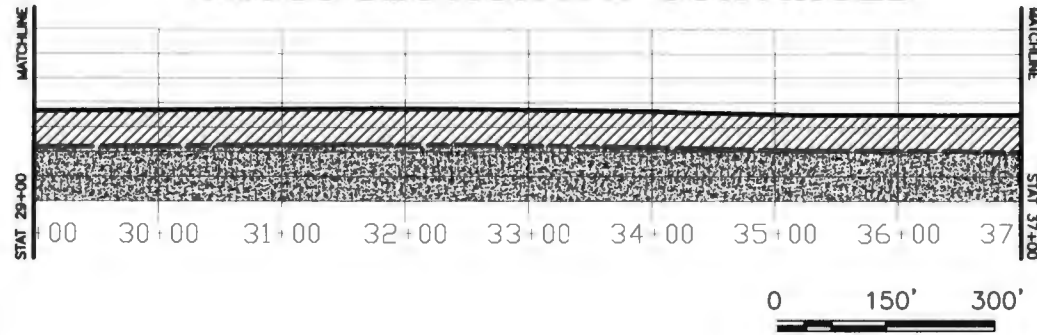
- LEGEND**
- CROSS-SECTIONS
 - - - VERTICAL LIMITS OF DREDGING
 - EXISTING SURFACE
 - ▨ UNCONSOLIDATED FLOCCULENT (UCF)
 - ▩ UNDERLYING SEDIMENT
 - PROJECT AREA
 - 1.31' UNCONSOLIDATED FLOCCULENT (UCF) SEDIMENT THICKNESS

NOTE: CONCEPTUAL FOR PERMITTING PURPOSES

DATA SOURCE: ESRI IMAGERY, WOOD
 ELEVATION: NAVD88

Lake Apopka Water Elevation - 06/16/2019 = 65.83 feet NAVD
 Normal High Water Elevation = 66.89 feet NAVD

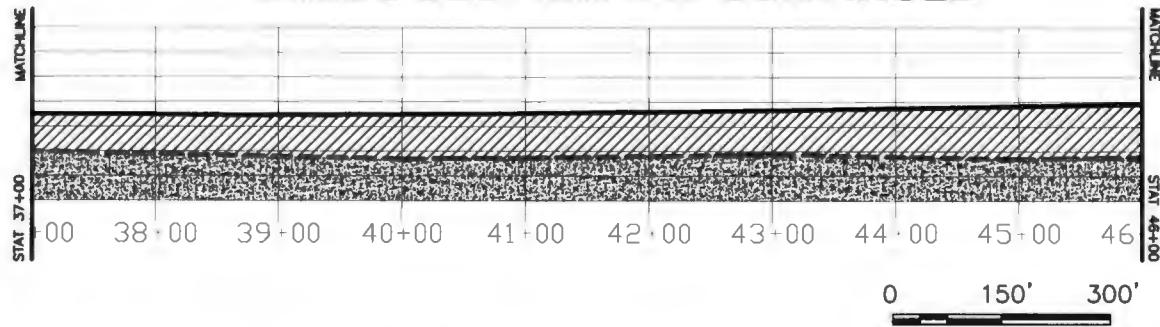
CROSS-SECTION A-A' CONTINUED



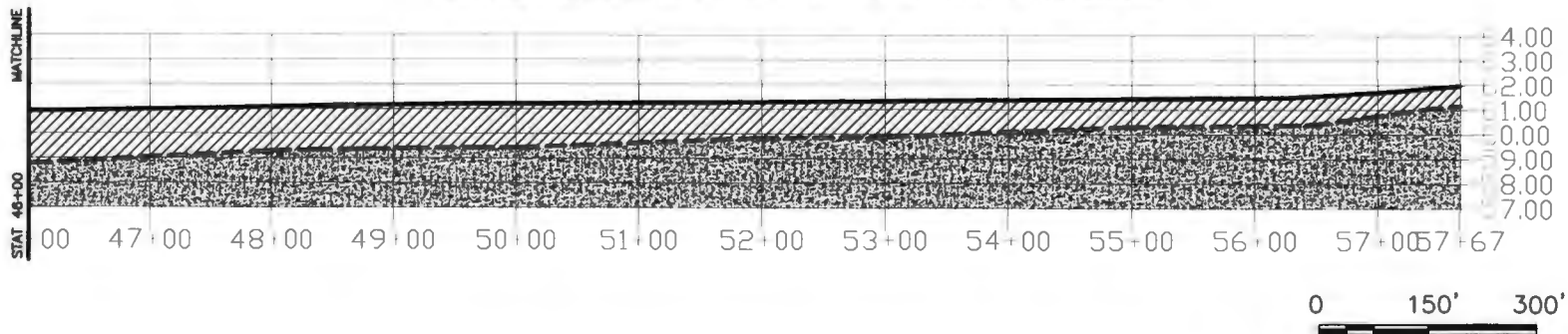
LEGEND

- CROSS-SECTIONS
- - - VERTICAL LIMITS OF DREDGING
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CROSS-SECTION A-A' CONTINUED



CROSS-SECTION A-A' CONTINUED



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PROJECT:

**LAKE APOPKA
 DREDGING AND
 PLACEMENT**

APPLICANT:

**ST. JOHNS
 RIVER WATER
 MANAGEMENT
 DISTRICT**

WOOD PROJECT No:
 6735-17-9417

REVISIONS			
NO	DATE	BY	APPROVE

DESIGNED BY:	OTHERS
DRAWN BY:	R.J.L.
CHECKED BY:	T.G.D.
APPROVED BY:	R.J.W.
DATE:	1/21/2019

SHEET TITLE:

**TYPICAL DREDGE
 EXISTING
 & PROPOSED
 CROSS-SECTION (2)**

SHEET NUMBER:	REV. #
5	
SHEET 5 OF 7 SHEETS	

NOTE: CONCEPTUAL FOR PERMITTING PURPOSES

DATA SOURCE: ESRI IMAGERY, WOOD
 ELEVATION: NAVD88

wood.

ENVIRONMENT AND
INFRASTRUCTURE SOLUTIONS
6256 GREENLAND ROAD
JACKSONVILLE, FL 32256
TEL: (904) 396-5173
CERTIFICATE OF
AUTHORIZATION LICENSE
NUMBER 5392

PROJECT:

**LAKE AOPKA
DREDGING AND
PLACEMENT**

APPLICANT:
**ST. JOHNS
RIVER WATER
MANAGEMENT
DISTRICT**



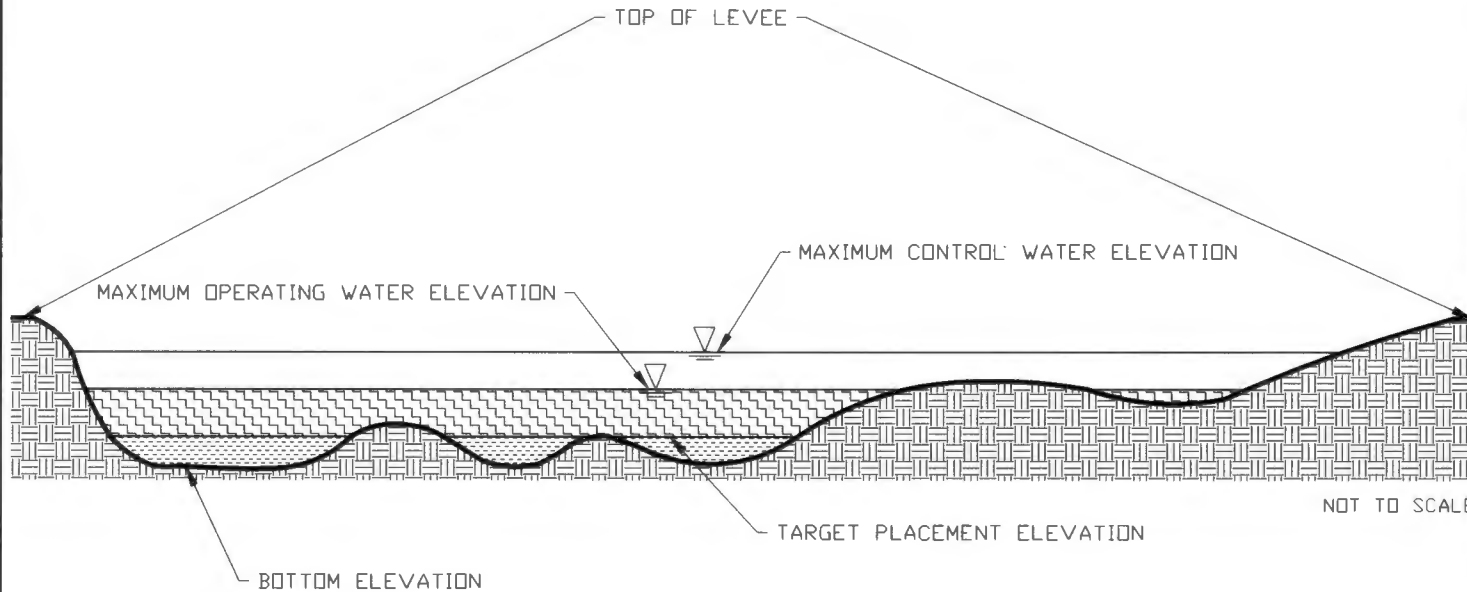
WOOD PROJECT No:
6735-17-9417

REVISIONS			
NO	DATE	BY	APPROVE

DESIGNED BY:	OTHERS
DRAWN BY:	R.JL
CHECKED BY:	SEM
APPROVED BY:	R.JV
DATE:	01/21/2019

SHEET TITLE:
**MATERIAL PLACEMENT
SITE TYPICAL
CROSS-SECTIONS**

SHEET NUMBER:	REV #
6	
SHEET 6 OF 7 SHEETS	



NOTE:
CONCEPTUAL FOR PERMITTING PURPOSES.

MAXIMUM CONTROL WATER ELEVATION - THE LEVEL AT WHICH MANAGEMENT INFRASTRUCTURE IS THREATENED. SJRWMD DISCHARGES WATER TO THE INTERNAL WATER MANAGEMENT SYSTEM AS NEEDED TO AVOID EXCEEDING THIS ELEVATION.

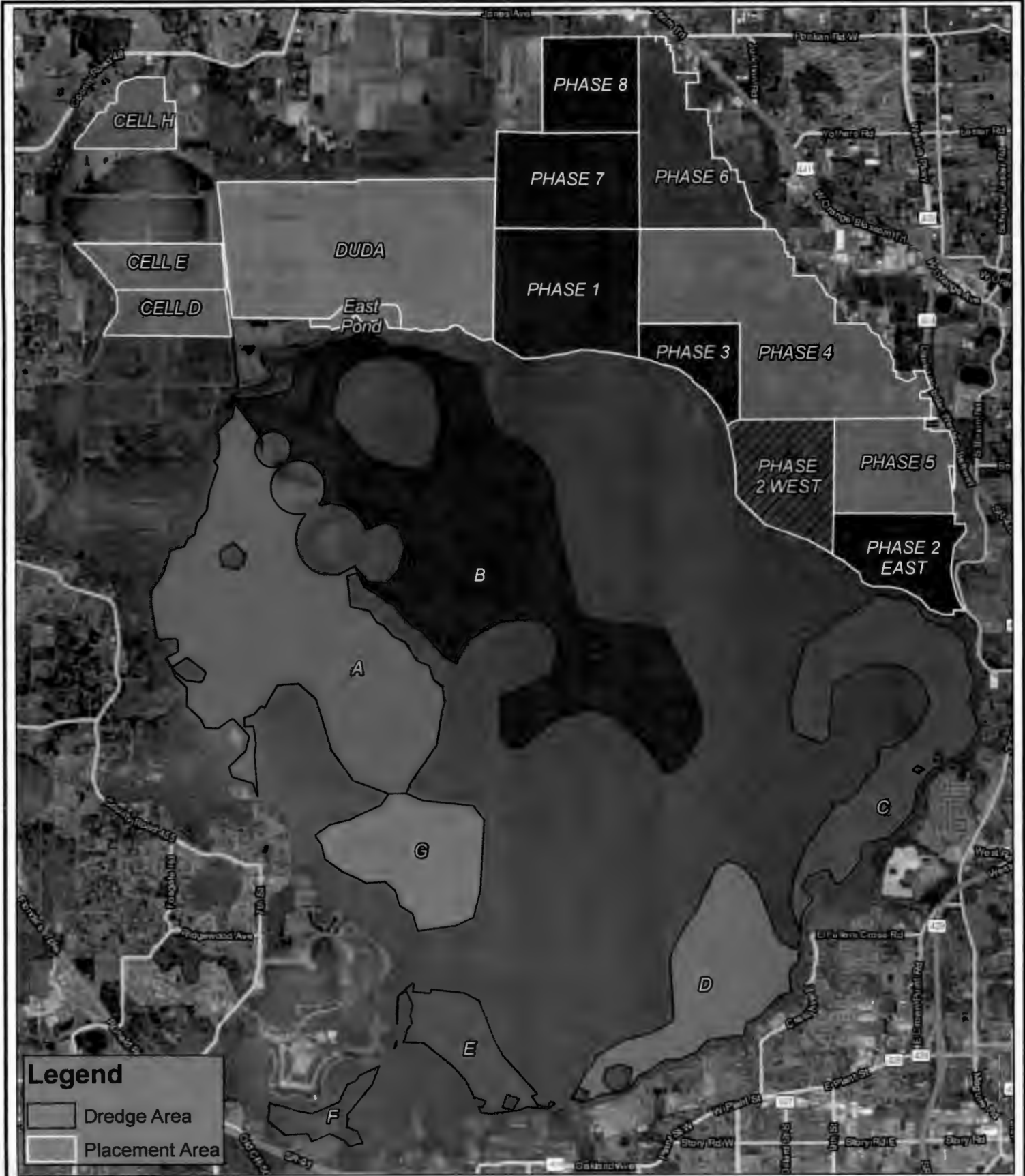
MAXIMUM OPERATING WATER ELEVATION - THE MAXIMUM WATER ELEVATION THAT WILL BE ALLOWED DURING PLACEMENT OF SEDIMENT. EXISTING GROUND ELEVATIONS WILL NOT BE AFFECTED ABOVE THIS ELEVATION.

TARGET PLACEMENT ELEVATION - THE MAXIMUM ELEVATION FOR PLACEMENT OF SEDIMENT IF THE ENTER PLACEMENT CAPACITY OF THE CELL WERE USED, THIS LEVEL WOULD BE THE NEW BOTTOM ELEVATION.

BOTTOM ELEVATION - 5TH PERCENTILE OF STAGE AREA CURVE.

LEGEND

- EXISTING SURFACE
- GROUND
- SHALLOW PLACEMENT AREA
- DEEP PLACEMENT AREA



Source: Imagery, ESRI 2017, NWI 2017, Wood 2018

Legend

- Dredge Area
- Placement Area



0 3,500 7,000 14,000 Feet

Lake Apopka Dredging Project

Dredge Material Placement Map

Drawn	Date	Gainesville Florida Project No. 6735179417
DLA	1/4/2019	
Checked	Date	
MFC	1/4/2019	



**Sheet
7**