

DEPARTMENT OF THE ARMY PERMIT

Permittee: City of Fellsmere
Attn: Jason Nunemaker
22 South Orange Street
Fellsmere, Florida 32948

Permit No: SAJ-2018-03039(SP-AWP)

Issuing Office: U.S. Army Engineer District, Jacksonville

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the U.S. Army Corps of Engineers (Corps) having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: Conversion of ten (10) acres of other waters (manmade borrow pits) and dredge and fill of 0.025 acre of water of the United States (wetlands) for the development of a regional stormwater management pond. The implementation of the regional stormwater pond would remove the Corps' Section 404 of the Clean Water Act jurisdiction from the ten (10) acres of other waters.

Project Location: The project site is located southeast of intersection of 89th Street and South Broadway Street, within Section 30, Township 31 South, Range 37 East, City of Fellsmere, Indian River County, Florida.

Directions to site: From the intersection of State Road 512 and Willow Street proceed south on Willow Street. Turn west onto 89th Street. The entrance to the site is located in the southeast corner of the 89th Street and South Broadway Street intersection.

Approximate Central Coordinates: Latitude 28.7560 North
Longitude 80.3597 West

Permit Conditions

General Conditions:

1. The time limit for completing the work authorized ends on **November 28, 2023**. If you find that you need more time to complete the authorized activity, submit your

PERMIT NUMBER: SAJ-2018-03039
PERMITTEE: City of Fellsmere
PAGE 2 of 9

request for a time extension to this office for consideration at least one month before the above date is reached.

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit, you must obtain the signature and the mailing address of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions:

1. Reporting Address: The Permittee shall submit all reports, notifications, documentation and correspondence required by the general and special conditions of this permit to the following address:

a. **For standard mail:** U.S. Army Corps of Engineers, Regulatory Division, Special Projects and Enforcement Branch, P.O. Box 4970, Jacksonville, Florida 32232-0019.

b. **For electronic mail:** SAJ-RD-Enforcement@usace.army.mil (not to exceed 10 MB).

PERMIT NUMBER: SAJ-2018-03039
PERMITTEE: City of Fellsmere
PAGE 3 of 9

The Permittee shall reference this permit number, **SAJ-2018-03039(SP-AWP)**, on all **submittals**.

2. Commencement Notification: Within 10 days from the date of initiating the authorized work, the Permittee shall provide to the Corps a written notification of the date of commencement of work authorized by this permit.

3. Erosion Control: Prior to the initiation of any work authorized by this permit, the Permittee shall install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material outside the work area. Immediately after completion of the final grading of the land surface, all slopes, land surfaces, and filled areas shall be stabilized using sod, degradable mats, barriers, or a combination of similar stabilizing materials to prevent erosion. The erosion control measures shall remain in place and be maintained until all authorized work has been completed and the site has been stabilized.

4. Cultural Resources:

a. No structure or work shall adversely affect impact or disturb properties listed in the *National Register of Historic Places* (NRHP) or those eligible for inclusion in the NRHP.

b. If during the ground disturbing activities and construction work within the permit area, there are archaeological/cultural materials encountered which were not the subject of a previous cultural resources assessment survey (and which shall include, but not be limited to: pottery, modified shell, flora, fauna, human remains, ceramics, stone tools or metal implements, dugout canoes, evidence of structures or any other physical remains that could be associated with Native American cultures or early colonial or American settlement), the Permittee shall immediately stop all work and ground-disturbing activities within a 100-meter diameter of the discovery and notify the Corps within the same business day (8 hours). The Corps shall then notify the Florida State Historic Preservation Officer (SHPO) and the appropriate Tribal Historic Preservation Officer(s) (THPO(s)) to assess the significance of the discovery and devise appropriate actions.

c. Additional cultural resources assessments may be required of the permit area in the case of unanticipated discoveries as referenced in accordance with the above Special Condition; and if deemed necessary by the SHPO, THPO(s), or Corps, in accordance with 36 CFR 800 or 33 CFR 325, Appendix C (5). Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33

CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization from the SHPO for finds under his or her jurisdiction, and from the Corps.

d. In the unlikely event that unmarked human remains are identified on non-federal lands, they will be treated in accordance with Section 872.05 Florida Statutes. All work and ground disturbing activities within a 100-meter diameter of the unmarked human remains shall immediately cease and the Permittee shall immediately notify the medical examiner, Corps, and State Archeologist within the same business day (8-hours). The Corps shall then notify the appropriate SHPO and THPO(s). Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume without written authorization from the State Archeologist and from the Corps.

5. Water Quality Certification: You must comply with the special conditions listed in the water quality certification (Water Management District Permit) as a special condition to this permit. For your convenience, a copy of the certification is included as **Attachment 2**.

6. Eastern Indigo Snake Protection Measures: The Permittee shall comply with U.S. Fish and Wildlife Service (USFWS) "Standard Protection Measures for the Eastern Indigo Snake" (dated August 12, 2013) during project site preparation and construction (**Attachment 3**).

7. As-Builts: Within 60 days of completion of the authorized work or any specific phased improvement of the authorized work or at the expiration of the construction window of this permit, whichever occurs first, the Permittee shall submit as-built drawings of the authorized work and a completed As-Built Certification Form (**Attachment 4**) to the Corps. The drawings shall be signed and sealed by a registered professional engineer and include the following:

a. A plan view drawing of the location of the authorized work footprint (as shown on the permit drawings) with an overlay of the work as constructed in the same scale as the attached permit drawings (8 1/2-inch by 11-inch). The drawing should show all "earth disturbance," including wetland impacts, water management structures, and any on-site mitigation areas.

b. List any deviations between the work authorized by this permit and the work as constructed. In the event that the completed work deviates, in any manner, from the authorized work, describe on the As-Built Certification Form the deviations between the work authorized by this permit and the work as constructed. Clearly indicate on the as-

PERMIT NUMBER: SAJ-2018-03039
PERMITTEE: City of Fellsmere
PAGE 5 of 9

built drawings any deviations that have been listed. Please note that the depiction and/or description of any deviations on the drawings and/or As-Built Certification Form does not constitute approval of any deviations by the U.S. Army Corps of Engineers.

c. The Department of the Army Permit number.

d. Include pre-and post-construction aerial photographs of the project site, if available.

9. Fill Material: The Permittee shall use only clean fill material for this project. The fill material shall be free from items such as trash, debris, automotive parts, asphalt, construction materials, concrete block with exposed reinforcement bars, and soils contaminated with any toxic substance, in toxic amounts in accordance with Section 307 of the Clean Water Act.

10. Regulatory Agency Changes: Should any other regulatory agency require changes to the work authorized or obligated by this permit, the Permittee is advised that a modification to this permit instrument is required prior to initiation of those changes. It is the Permittee's responsibility to request a modification of this permit from the Cocoa Regulatory Office.

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

() Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403)

(X) Section 404 of the Clean Water Act (33 U.S.C. 1344)

() Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413)

2. Limits of this authorization.

a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.

b. This permit does not grant any property rights or exclusive privileges.

c. This permit does not authorize any injury to the property or rights of others.

d. This permit does not authorize interference with any existing or proposed Federal projects.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

d. Design or construction deficiencies associated with the permitted work.

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision: This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

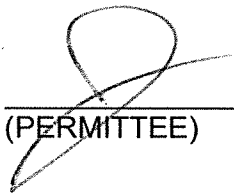
Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order

PERMIT NUMBER: SAJ-2018-03039
PERMITTEE: City of Fellsmere
PAGE 7 of 9

requiring you comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions: General Condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.



(PERMITTEE)

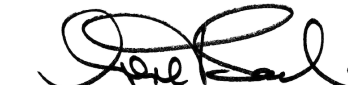
11/27/18

(DATE)

Jason Nunchuk City Manager

(PERMITTEE NAME-PRINTED)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.



(DISTRICT ENGINEER)

December 13, 2018

(DATE)

for

Andrew D. Kelly, Jr.
Colonel, U.S. Army
District Commander

PERMIT NUMBER: SAJ-2018-03039
PERMITTEE: City of Fellsmere
PAGE 8 of 9

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

PERMIT NUMBER: SAJ-2018-03039(SP-AWP)

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Section, Post Office Box 4970, Jacksonville, FL 32232-0019.

(TRANSFeree-SIGNATURE)

(DATE)

(NAME-PRINTED)

(ADDRESS)

(CITY, STATE, AND ZIP CODE)

PERMIT NUMBER: SAJ-2018-03039
PERMITTEE: City of Fellsmere
PAGE 9 of 9

***Attachments to Department of the Army
Permit Number SAJ-2018-03039***

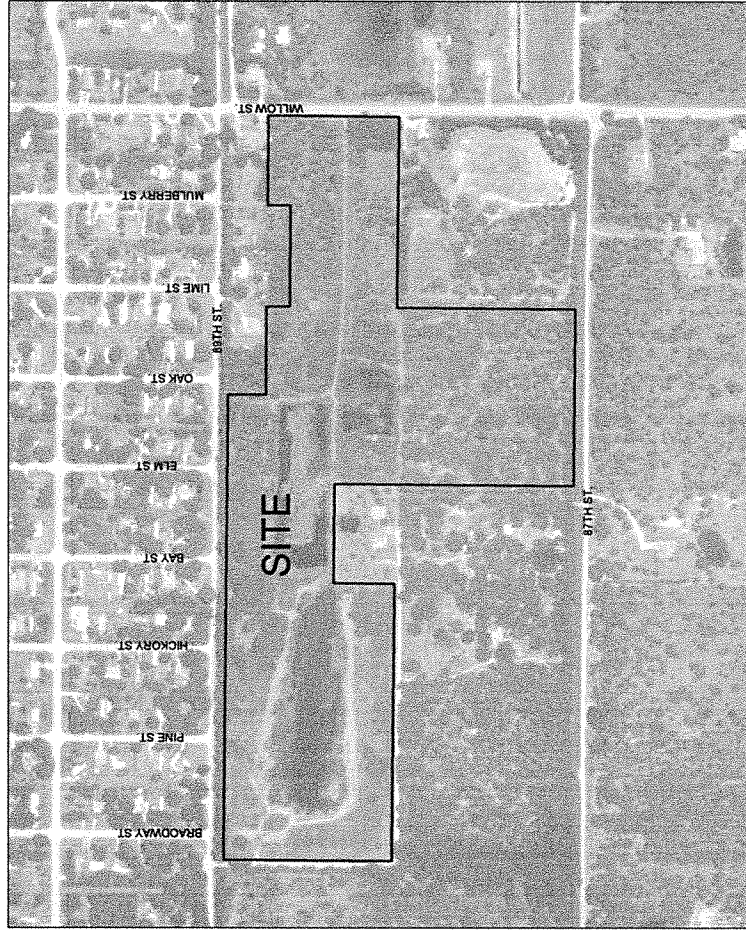
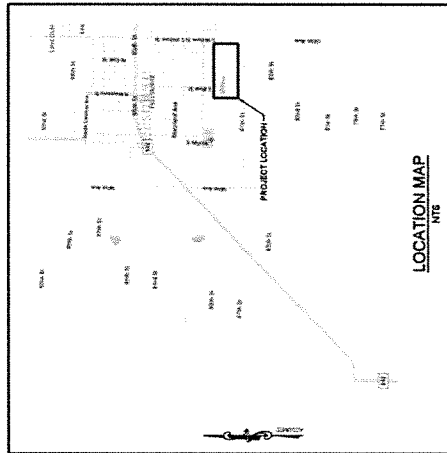
1. PERMIT DRAWINGS: 7 pages
2. WATER QUALITY CERTIFICATION: Specific Conditions of the water quality permit/certification File # 154439-1, issued by the St. Johns River Water Management District on August 17, 2018, in accordance with General Condition number 5 on page 2 of this DA permit. 5 Pages.
3. EASTERN INDIGO SNAKE CONDITIONS: 3 Pages
4. AS-BUILT CERTIFICATION FORM: 2 Pages

NAVD 1988

ALL ELEVATIONS DEPICTED HEREON REFERENCE NAVD
1988. THE CONVERSION FACTOR TO NGVD 1929 IS +1.44'

CITY OF FELLSMERE

FELLSMERE SOUTH REGIONAL LAKE



SHEET INDEX

- | | |
|-----|--------------------------------------|
| C-1 | OVERALL SITE PLAN W/ WETLAND IMPACTS |
| C-2 | NORTHWEST GRADING PLAN AND DETAILS |
| C-3 | NORTHEAST GRADING PLAN |
| C-4 | SOUTHERN GRADING PLAN |
| C-5 | CROSS SECTIONS |
| C-6 | EROSION CONTROL PLAN AND DETAILS |

SAJ-2018-03039(SP-AWP)
November 23, 2018
Attachment 1
Drawing 1 of 7

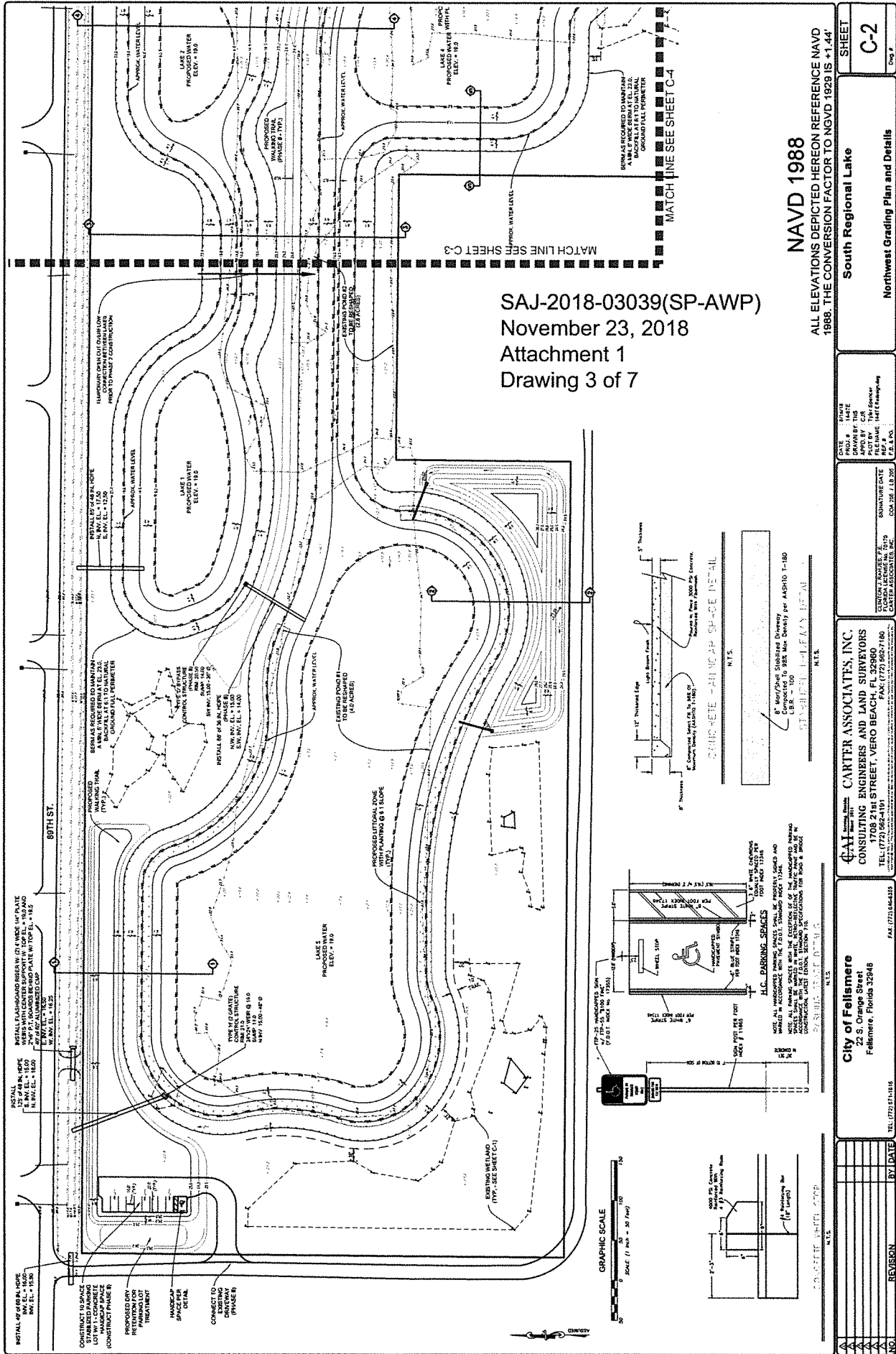
CARLICK ASSOCIATES, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
1708 21st STREET, VERO BEACH, FL 32960-7180
TEL: (772) 236-7180
FAX: (772) 236-7181

CITY OF FELLSMERE
22 S. ORANGE STREET
FELLSMERE, FL 32948

TEL: (772) 571-4516

FAX: (772) 444-4438

CURB CUT, RAILROAD, ETC.
DATE: 11/23/18
DRAWN BY: SAJ
CHECKED BY: JAC
PROJECT #



SAJ-2018-03039(SP-AWP)
November 23, 2018
Attachment 1
Drawing 3 of 7

NAVD 1988

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South Regional Lake

Northwest Grading Plan and Details

SHEET
C-2
Page 4

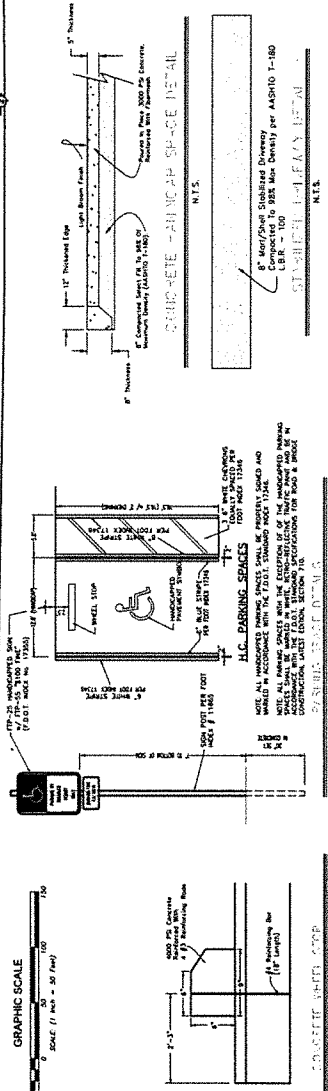
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DRAWN BY: TJS
APPROVED BY: CJS
FILE NAME: 1811 E:\Engineering
REV: 1

CONTRACT NUMBER: 18-015
FLORIDA LICENSE NO. 7019
CARTER ASSOCIATES, INC.
DATE: 11/23/18

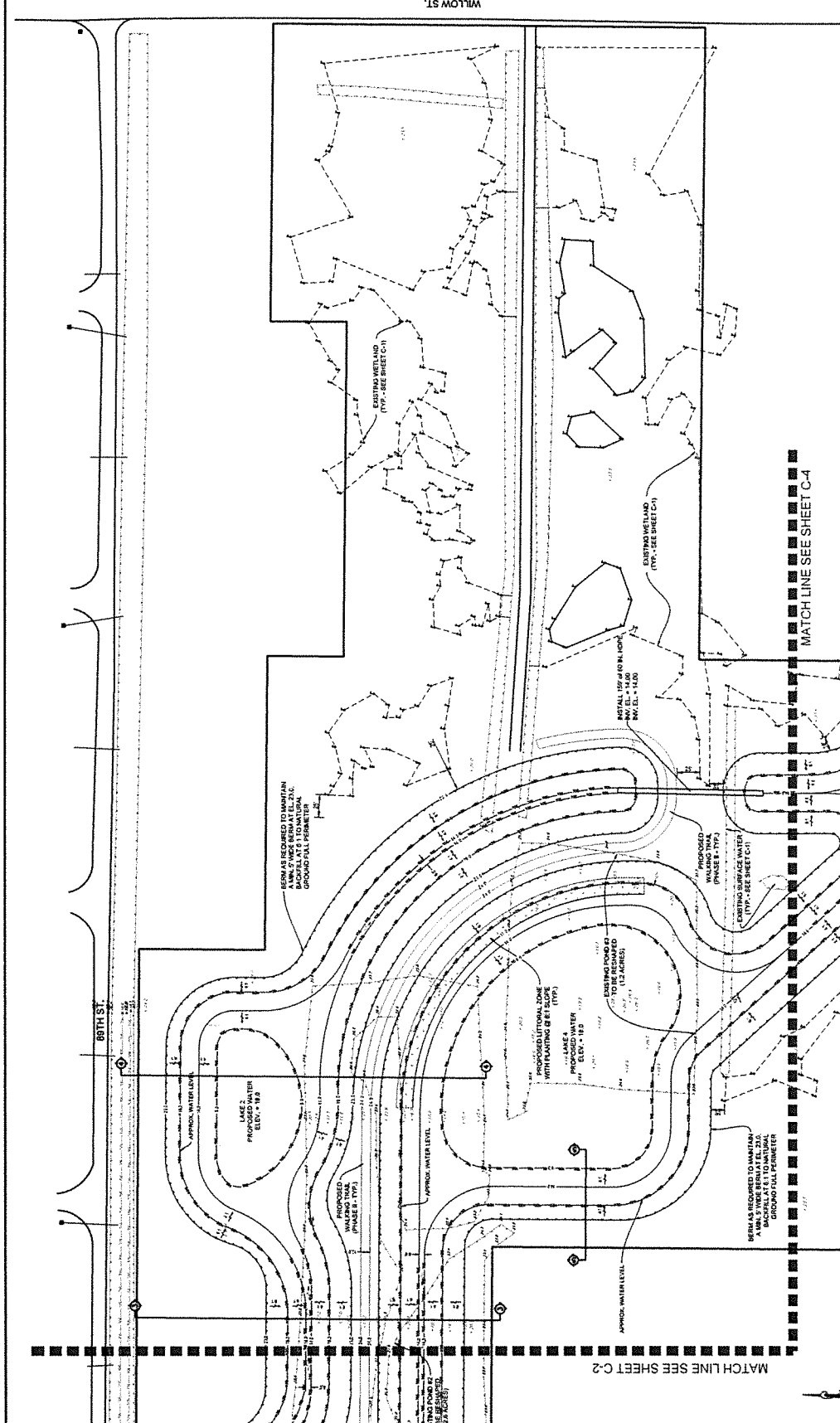
CARTER ASSOCIATES, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
1708 21st STREET, VERO BEACH, FL 32960
TEL: (772) 562-1181 FAX: (772) 562-1180
TEL: (772) 562-1181 FAX: (772) 562-1180

City of Fellsmere
22 S. Orange Street
Fellsmere, Florida 32946
TEL: (772) 571-5818 FAX: (772) 564-2335

REVISION
BY
DATE



SAJ-2018-03039(SP-AWP)
November 23, 2018
Attachment 1
Drawing 4 of 7



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Carter Associates, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
708 21st STREET, VERO BEACH, FL 33960
TEL: (772) 446-4355 FAX: (772) 446-4355

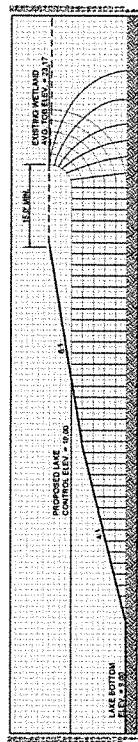
City of Fellsmere
22 S. OCEAN BLVD.
FELLSMERE, FLORIDA 32948
TEL: (772) 531-4516

DATE: 11/23/18
DRAWN BY: TJS
APPROVED BY: CJS
FILE NAME: 18012 E-Grading.dwg
DESIGNED BY: TJS
CHECKED BY: CJS

SIGNATURE DATE
TUNNEY, J. ENGINEER, P.E. 11/23/18
CARTER ASSOCIATES, INC.

South Regional Lake
Northeast Grading Plan

SHEET
C-3
Page 4



WETLAND FLOW NET ANALYSIS

Flow-Net Drawdown Calculations

Average Rate Calculations:	
1	1.6 (4.0 cr/s)
2	2.3 (5.8 cr/s)
3	2.3 (5.8 cr/s)
4	2.3 (5.8 cr/s)
5	4.1 (10.3 cr/s)
6	6.3 (15.8 cr/s)
7	2.6 (6.5 cr/s)
8	1.1 (2.8 cr/s)
Average Volume Calculations:	
1	0.1 m
2	0.1 m
3	0.1 m
4	0.1 m
5	0.1 m
6	0.1 m
7	0.1 m
8	0.1 m
Average Volume Calculations:	
1	0.1 m
2	0.1 m
3	0.1 m
4	0.1 m
5	0.1 m
6	0.1 m
7	0.1 m
8	0.1 m
Average Volume Calculations:	
1	0.1 m
2	0.1 m
3	0.1 m
4	0.1 m
5	0.1 m
6	0.1 m
7	0.1 m
8	0.1 m

SAJ-2018-03039(SP-AWP)
November 23, 2018
Attachment 1
Drawing 5 of 7

NAVD 1988

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South Regional Lake

Southern Grading Plan

C-4
SHEET

Drug, D.

DATE : 8/16/18
 SOLJ.# : 14-07E
 DRAWN BY: TNS
 APPD. BY : CJR
 COT BY : Tyler Spencer
 E-NAME: 14-07E Redesign.dwg

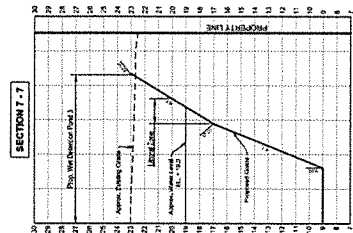
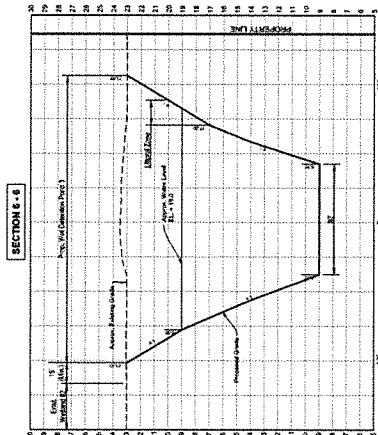
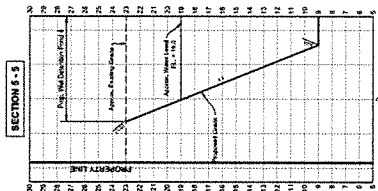
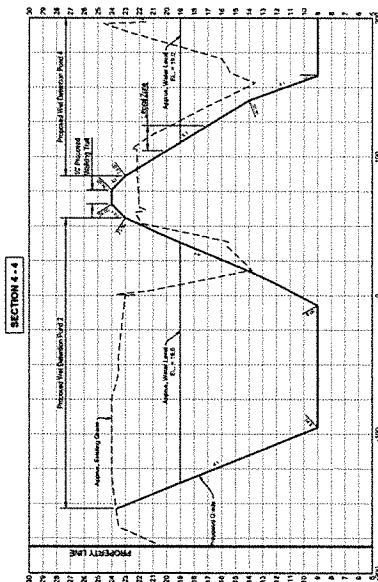
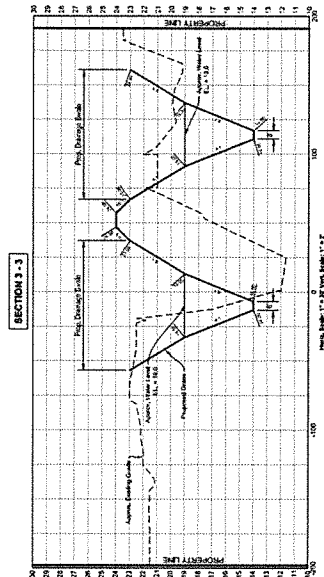
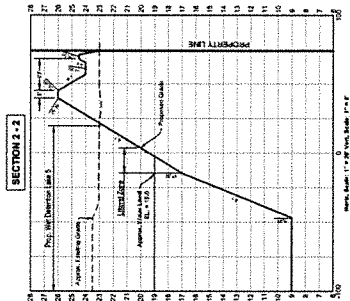
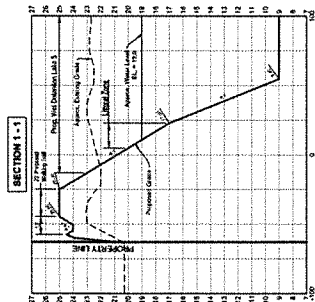
CLINTON J. RATUUS, P.E. SIGNATURE DATE

CAI Surveying Florida
Since 1911 **CARTER ASSOCIATES, INC.**
CONSULTING ENGINEERS AND LAND SURVEYORS
1708 21st STREET, VERO BEACH, FL 32960
TEL. (772) 567-4345 FAX. (772) 567-7160

City of Fellsmere
22 S. Orange Street
Fellsmere, Florida 32948

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11



November 23, 2018
Attachment 1
Drawing 6 of 7

NAVD 1988

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South Regional Lake

Cross Sections

C-5
SHEET

Page 2.

CAI CARTER ASSOCIATES, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
1708 21st STREET, VERO BEACH, FL 32960
TEL: (772) 562-4191
FAX: (772) 562-7160

City of Fellsmere
22 S. Orange Street
Fellsmere, Florida 32948

TEL: (872) 674-1616

FAX: (772) 645-6259

CLINTON J. BARNES, P.E.	SIGNATURE DATE
FLORIDA LICENSE NO. 75179	COM 306 / LB 306
CANTER ASSOCIATES, INC.	

DATE : 8/16/18
PROJ. # : 14-07E
DRAWN BY: TNS
APPD. BY : CJR
PLOT BY : Tyler Sparent
FILE NAME: 14-07 E Redesign.dwg
REF. # :
F.B. & P.O. :

CLINTON J. BARNES, P.E.	SIGNATURE DATE
FLORIDA LICENSE NO. 75179	COM 306 / LB 306
CANTER ASSOCIATES, INC.	

