



LAKE COUNTY FLORIDA

Haul Permit



Date: 2/14/2020

Blackwater Creek Wetlands Mitigation, LLC, a FL Limited Liability Co.

Business / Applicant's Name ("Permittee")
c/o CMH Layers at 702 W. Montrose St.
Applicant's Street Address
Clermont, FL 34711
Applicant's City, State, Zip

36 / 18 / 27
Section Township Range (of Origin)
Hart Ranch Rd. and/or Lake Norris Rd., Eustis
Location of Origin (Address or Alternate Key #)
1083842, 1312493, 1710669, 1710693, 2721952, 1596246
Location of Destination (Address or Alternate Key #)

352-432-8644 jcrawford@cmhlawyers.com
Telephone Number Applicant's e-mail address
Paid Date Rec'd By

Description and Purpose of Load: Stockpile removal and hauling
Anticipated Volume: 2,596,895 Cubic Yards Max. Gross Weight: 80,000 lbs.
Description of Haul Route: See attached

Vehicle Configuration: 18-yard Dump Trucks

Contractor: Blackwater Creek Wetlands Mitigation, LLC Telephone Number: 954-642-2463

Anticipated Start Date: March 1, 2020 Number of Trips: 144,000 Anticipated Haul Duration: 1,000 days

Is this hauling operation associated with an approved County or City development? Yes No

If Yes: Project Name: Eustis Sand Mine & Wetlands Restoration/Bank Approving Entity: BCC and SJRWMD

By submitting and signing this application, the Applicant ("Permittee") declares that he/she has read the attached and agrees to be bound by the Haul Permit Requirements and all general and special conditions stated below and contained herein. If and once approved, each vehicle hauling by or behalf of the Permittee must carry a copy of the permit when hauling.

Form box containing: Road #, To be completed by County Staff, Permit #, Permit Fee, Fee Code, Checked by, Date Checked, Approved by, Date Approved, Special Conditions, Date Permit Expires, and contact information for Lake County Public Works Department.

\* Original application date November 22, 2019.

This amended application is being submitted to request an additional alternative haul route through Lake Norris Road.

The project has received all required approvals; however, Lake County revoked the previously recognized exemption for the haul route. Lake County has not, to date, approved the only possible haul routes requested herein.

End destination for sand material is the Wekiva Parkway Expansion 7A.



## Haul Permit Requirements

The purpose of a Lake County Haul Permit is to protect the public safety and to preserve the County Road System by providing limitations and by establishing a permitting process for the hauling on certain public rights-of-way and easements with the jurisdiction of the County. Section 18-2 of the Lake County Code requires application and approval of this Haul Permit prior to hauling, unless specifically exempt.

**I. Application Requirements.** Unless otherwise noted, Permittee must submit to the County one (1) original completed application and the following supporting documentation:

- A. A sketch or map of describing the haul route to be used, including an indication of the site of origin and designation location(s). If the Applicant has more than one haul route, a map must be provided with the application for each route.
- B. If the Applicant is someone other than the owner of the property that is the origin/source location, the Applicant must include with the application a notarized, written consent from the record title owner(s) of the property.
- C. Report or technical evaluation pertaining to weight restrictions.

**II. General Conditions.**

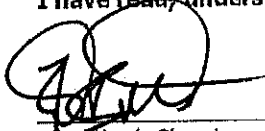
- A. This permit is a permissive use only and does not create or vest a property right in the permittee. This permit does not act as an approval of a right-of-way utilization permit.
- B. This permit is only valid for hauling over the route(s) provided within this permit.
- C. **Permittee agrees that the rights and privileges herein set out are granted only to the extent of the County's right, title and interest in the land to be entered upon and used by the Permittee. The Permittee will, at all times, assume all risk of and indemnify, defend and save harmless Lake County, its commissioners, agents, and employees from and against any and all loss, damage, cost, or expense arising in any manner resulting from the hauling. Permittee agrees and acknowledges that the County assumes no responsibility for damage to Permittee's vehicles, equipment, or load or to any real or personal property of the property owner.**
- D. At least fourteen (14) days prior to the haul, Permittee must provide the County the name and telephone number of the Permittee's project manager, if someone other than Permittee.
- E. Permittee agrees all work shall take place during daylight hours, unless specifically authorized, and discontinued by sunset. No hauling shall occur on legal holidays listed in F.S. § 683.01.
- F. All hauling by Permittee on the haul route(s) presented and agreed to under this permit shall be conducted in such a manner to minimize interference with other motorists and bicyclists.
- G. Permittee agrees to allow any County employee, code enforcement officer, or law enforcement officer to confirm compliance of Permittee and Permittee's agents with the conditions of this permit. A copy of this permit must be shown on demand by any law enforcement officer or employee of the Lake County Board of County Commissioners.
- H. Permittee agrees that the granting of this permit does not relieve Permittee of responsibility to comply with federal, state, and local government laws, ordinances, and rules, including traffic regulations, road speeds, and legal weight restrictions posted on highways and bridges. Permittee also agrees that the granting of this permit does not relieve Permittee of its responsibilities or to acquire licenses or permits from any other federal, state, or other governmental entities.

**III. Guarantee and Compliance.**

- A. As a condition of any Permit granted, a performance bond or irrevocable letter of credit may be required of the Permittee. The security instrument shall comply with the applicable provisions of the Florida Statutes and be in a form acceptable to the Lake County Attorney's Office. The security instrument shall be made payable to the Lake County Board of County Commissioners in the amount of one hundred ten percent (110%) of estimated cost to repair damage the County may suffer, as determined by Lake County Public Works Department, and shall remain in effect until the work covered by this permit has been completed and accepted by the County.

- B. The County may issue "Stop Work" order(s) upon any Permittee committing or creating an unsafe act which may create a public hazard or who is not complying with this permit or the applicable codes. The order shall remain in effect until such time as these matters are corrected. Any failure(s) shall be repaired by the Permittee, at no cost to the County, within five (5) days, unless the urgency of the problem requires a quicker reaction time.
- C. This permit may be suspended, revoked, or denied by the Lake County Manager or designee if he or she finds there has been a violation of this permit, the Lake County Code, or any other federal, state, or local regulation.
- D. Vehicles utilized by or for the Permittee under this permit shall not be driven or moved, unless the vehicle is so constructed or loaded as to prevent any of its loads from dropping, shifting, leaking, spilling, blowing or otherwise escaping therefrom. In the event any soil, materials, or objects fall, blow, leak, or otherwise escape from a vehicle utilized by or for the Permittee, the Permittee or Permittee's contractor shall immediately cause the materials or objects to be cleaned up. In the event the County incurs the cost to clean the materials or objects in a roadway resulting from Permittee or Permittee's agent's action, the Permittee will be responsible for the County's costs.
- E. The undersigned acknowledges that he/she has the full authority to sign this document as the Permittee or as an authorized agent on behalf of the Permittee and is able to bind such Permittee to the conditions of this permit.

**I have read, understand, and agree to be bound by the above requirements and conditions:**

  
Permittee's Signature

Robert B Miller  
Print Name

2/13/2020  
Date

OWNER'S AFFIDAVIT

STATE OF FLORIDA

COUNTY OF Miami-Dade

BEFORE ME, the undersigned authority personally appeared Robert Miller, who being by me first duly sworn on oath, deposed of and says:

1. That he/she is the fee-simple owner or corporate officer of the ownership entity of the property legally described on page 3 of this application.
2. That he/she has appointed Jimmy Crawford, Esq. to act as Agent to accomplish the above. The Owner is also required to complete the APPLICANT'S AFFIDAVIT of this Application if NO AGENT is appointed to act in hisstead.

Affiant (Owner's Signature)

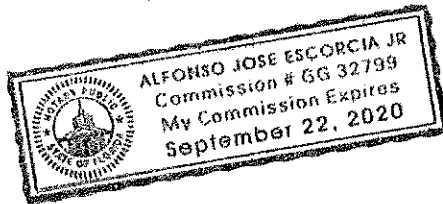
STATE OF FLORIDA

COUNTY OF Miami-Dade

The foregoing instrument was acknowledged before me this 13 day of February, 2020, by Robert Miller, who is personally known to me or who has produced Florida Driver License as identification and who did \_\_\_\_\_ or did not  take an oath.

Notary Public (Signature)

(SEAL)



9/22/2020  
My Commission Expires:

NOTE: All Applications shall be signed by the Owner(s) of the Property, or some person duly authorized by the Owner to sign. The authority authorizing such person other than the Owner to sign MUST be attached.

APPLICANT'S AFFIDAVIT

STATE OF FLORIDA  
COUNTY OF Lake

BEFORE ME, the undersigned authority personally appeared Jimmy Crawford who being by me first duly sworn on oath, deposes and says:

1. That he/she affirms and certifies that they understand and will comply with all Ordinances, Regulations, and Provisions of Lake County, Florida, and that all statements and diagrams submitted herewith are true and accurate to the best of their knowledge and belief, and further, that this application and attachments shall become part of the Official Records of Lake County, Florida, and are Not Returnable.
2. That the submittal requirements for the application, have been completed and attached hereto as part of this application.

[Signature]  
Affiant (Applicant's Signature)

STATE OF FLORIDA  
COUNTY OF Lake

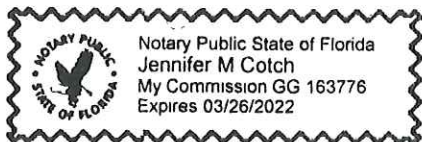
The foregoing instrument was acknowledged before me this 14<sup>th</sup> day of February, 2020,

By \_\_\_\_\_, who is personally known to me or who has produced \_\_\_\_\_ as identification and who did \_\_\_\_\_ or did not X take an oath.

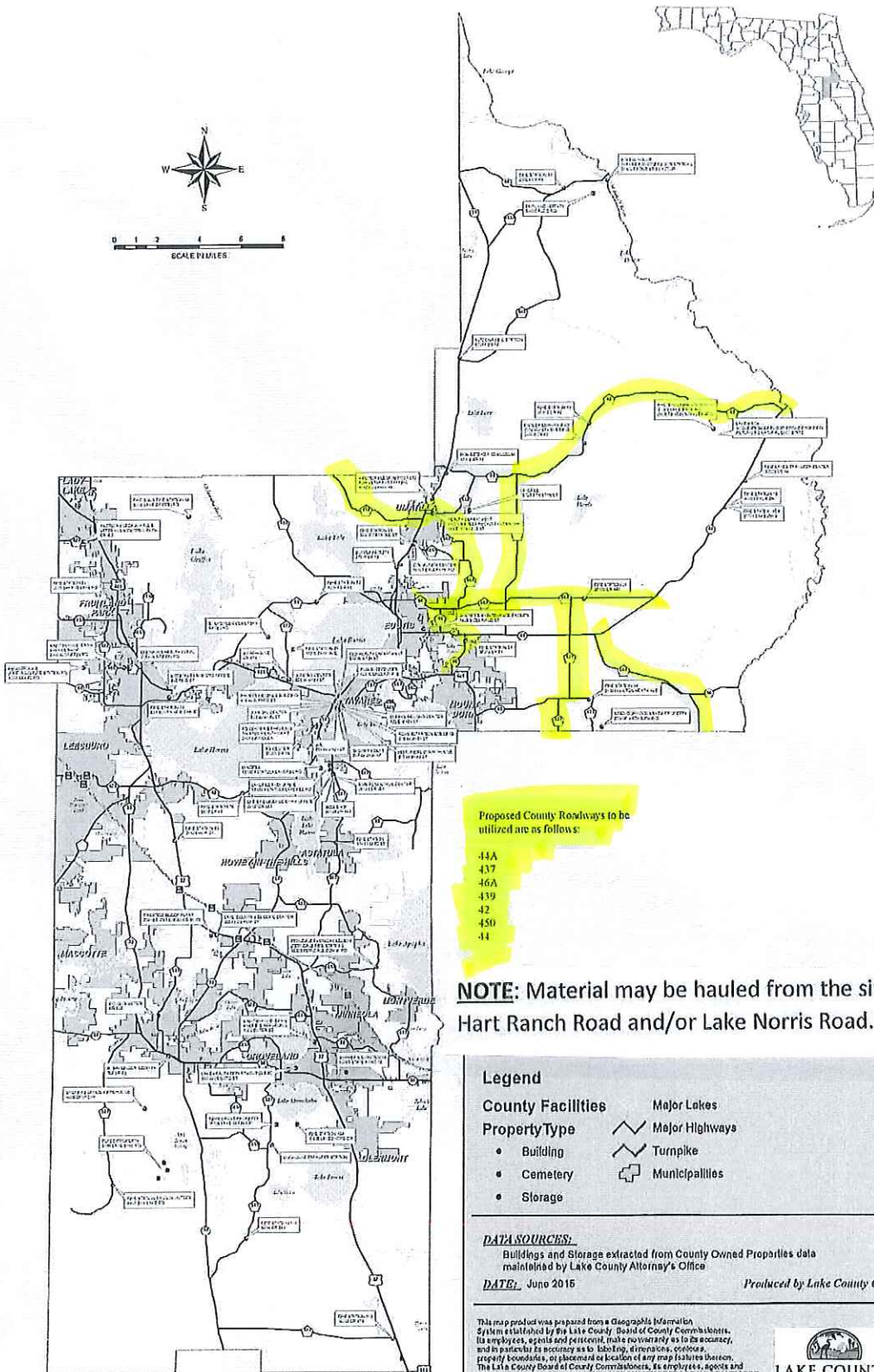
[Signature]  
Notary Public (Signature)

(SEAL)

My Commission Expires:



# COUNTY FACILITIES LAKE COUNTY, FLORIDA



Proposed County Roadways to be utilized are as follows:

- 44A
- 437
- 46A
- 439
- 42
- 450
- 44

**NOTE:** Material may be hauled from the site via Hart Ranch Road and/or Lake Norris Road.

### Legend

- |                          |                |
|--------------------------|----------------|
| <b>County Facilities</b> | Major Lakes    |
| <b>Property Type</b>     | Major Highways |
| • Building               | Turnpike       |
| • Cemetery               | Municipalities |
| • Storage                |                |

### DATA SOURCES:

Buildings and Storage extracted from County Owned Properties data maintained by Lake County Attorney's Office

DATE: June 2015

Produced by Lake County GIS

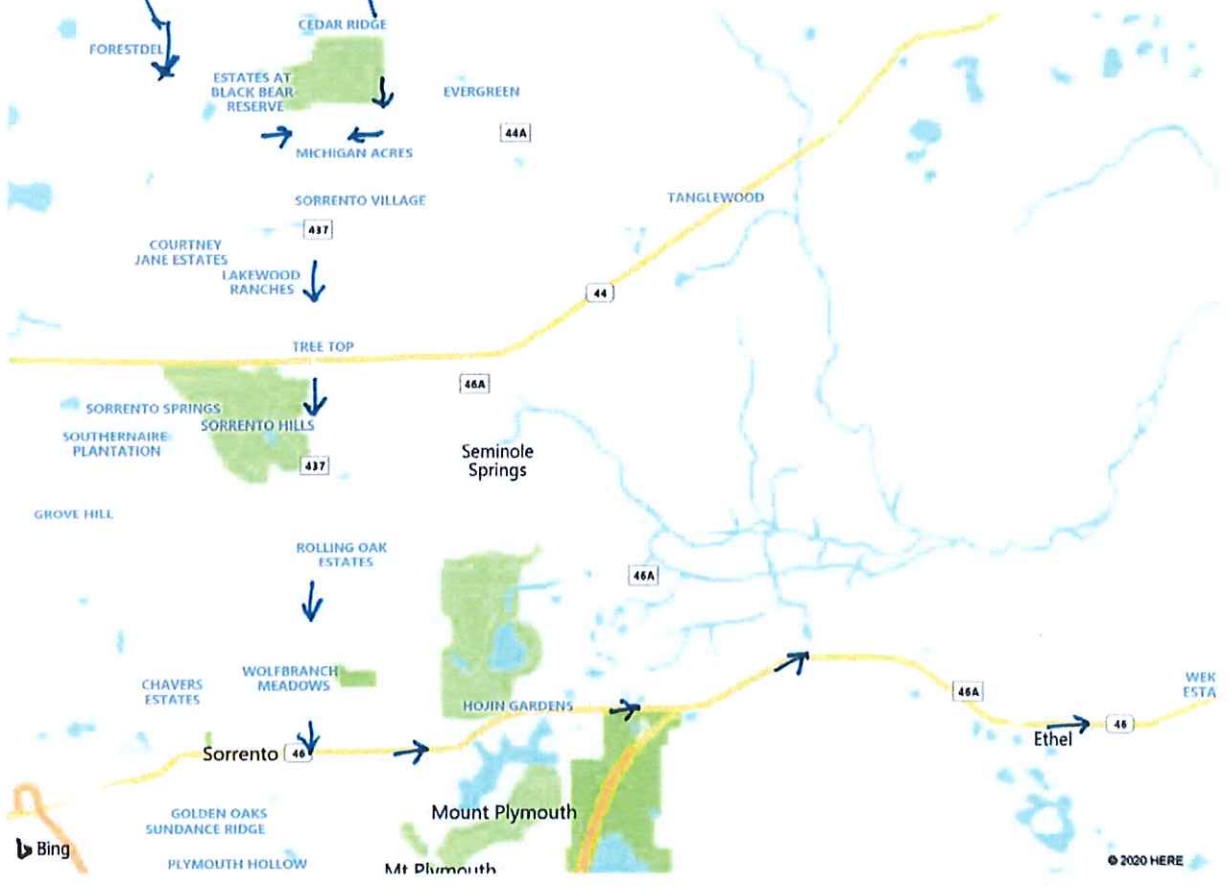
This map product was prepared from a Geographic Information System established by the Lake County Board of County Commissioners. Its employees, agents and personnel, make no warranty as to the accuracy, and in particular its accuracy as to labeling, itineraries, addresses, property boundaries, or placement or location of any map features therein. The Lake County Board of County Commissioners, its employees, agents and personnel MAKE NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR FITNESS OF USE FOR A PARTICULAR PURPOSE EXPRESS OR IMPLIED WITH RESPECT TO THIS MAP PRODUCT. Independent verification of all data contained on this map product should be obtained by any user of this map.



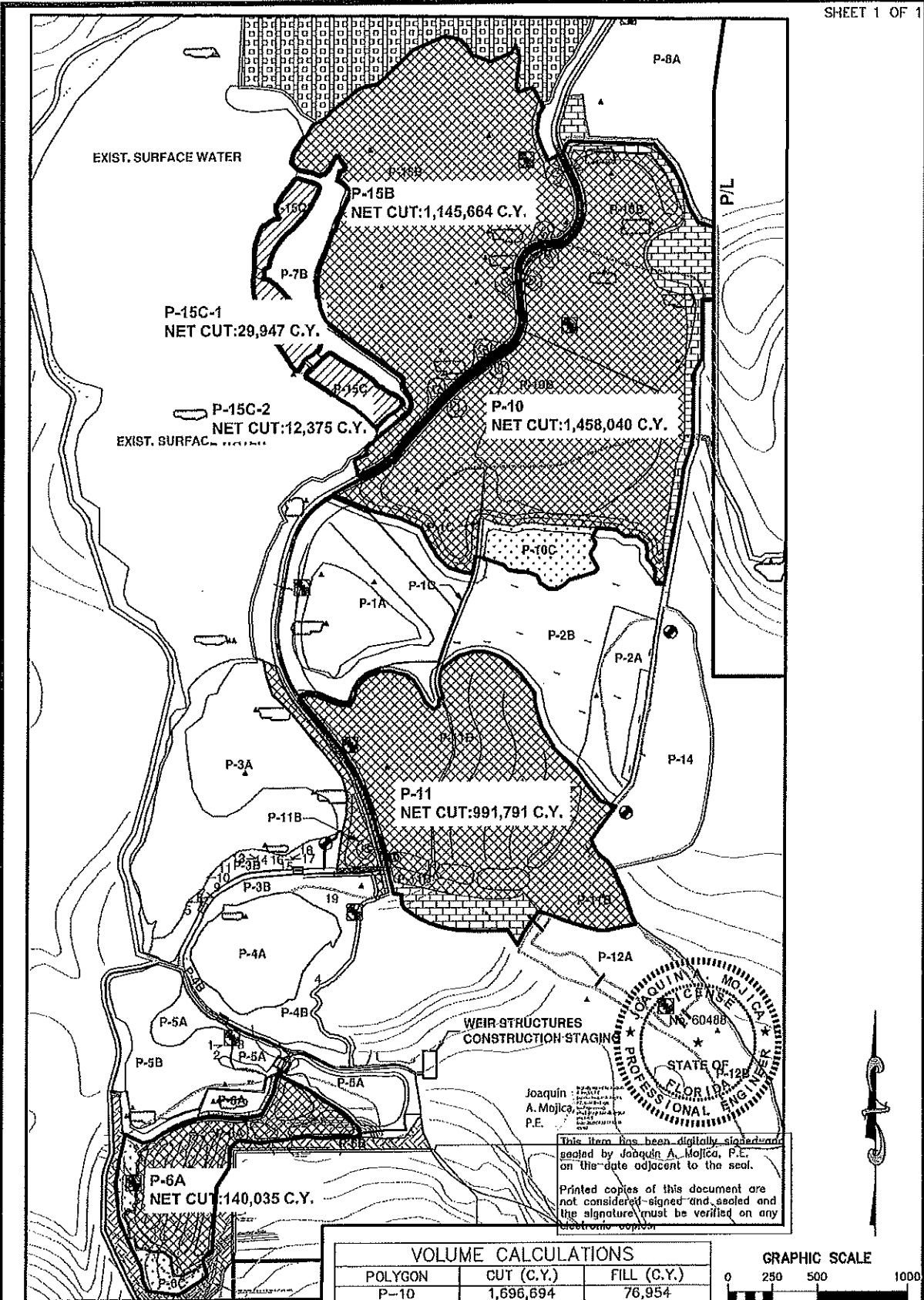
Notes

BLACKWATER CREEK HAUL ROUTES

HART RANCH ROAD / LAKE NORRIS ROAD

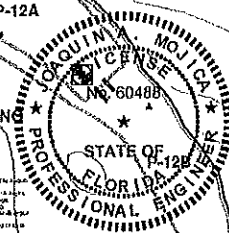






WEIR STRUCTURES  
CONSTRUCTION STAGING

Joaquin A. Mojica  
P.E.



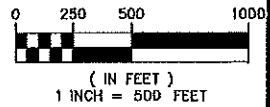
This item has been digitally signed and sealed by Joaquin A. Mojica, P.E., on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

VOLUME CALCULATIONS

POLYGON	CUT (C.Y.)	FILL (C.Y.)
P-10	1,696,694	76,954
P-11	992,092	302
P-6	146,601	6,381
P-15C-1	29,947	0.0
P-15C-2	20,032	7,657
P-15B	1,164,908	19,242
TOTAL:	4,050,272	110,516

GRAPHIC SCALE



**MILLER LEGG**  
 South Florida Office: 5747 N. Andrews Way  
 Ft. Lauderdale, Florida • 33309-2304  
 954-436-7000 • Fax: 954-436-6664  
 www.millerlegg.com

Certificate of Authorization L.B. 8880

File Number
SH-1

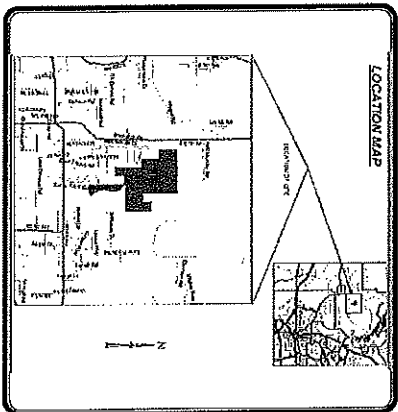
# BLACKWATER CREEK MITIGATION AREA

## LAKE COUNTY, FLORIDA

FOR:

### BLACKWATER CREEK WETLANDS MITIGATION, LLC.

SHEET NO.	DRAWING NO.	SHEET TITLE
1	COVER	COVER SHEET
2	INTS-1	NOTES & SPECIFICATIONS
3	KEY-1	KEY SHEET
4	ENG-1	ENGINEERING PLAN
5	ENG-2	ENGINEERING PLAN
6	ENG-3	ENGINEERING PLAN
7	ENG-4	ENGINEERING PLAN
8	ENG-5	ENGINEERING PLAN
9	ENG-6	ENGINEERING PLAN
10	ENG-7	ENGINEERING PLAN
11	SNCR-1	CROSS SECTIONS
12	CS-1	CROSS SECTIONS
13	CS-2	CROSS SECTIONS
14	DET-1	ENGINEERING DETAILS
15	DET-2	ENGINEERING DETAILS
16	PRS-1	PLANTING PLAN SHEET



LOCATION MAP

## MILLER LEGG

South Florida Office: 5747 N. Andrews Way  
 Ft. Lauderdale, Florida - 33309-2364  
 954-436-7000 • Fax: 954-436-8664  
[www.millerlegg.com](http://www.millerlegg.com)  
 Certificates of Authorization: EB7318, LB6680, LC0337

**FINAL PERMIT SUBMITTAL**

THIS DRAWING IS THE PROPERTY OF MILLER LEGG ENGINEERING, INC. AND IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF MILLER LEGG ENGINEERING, INC.

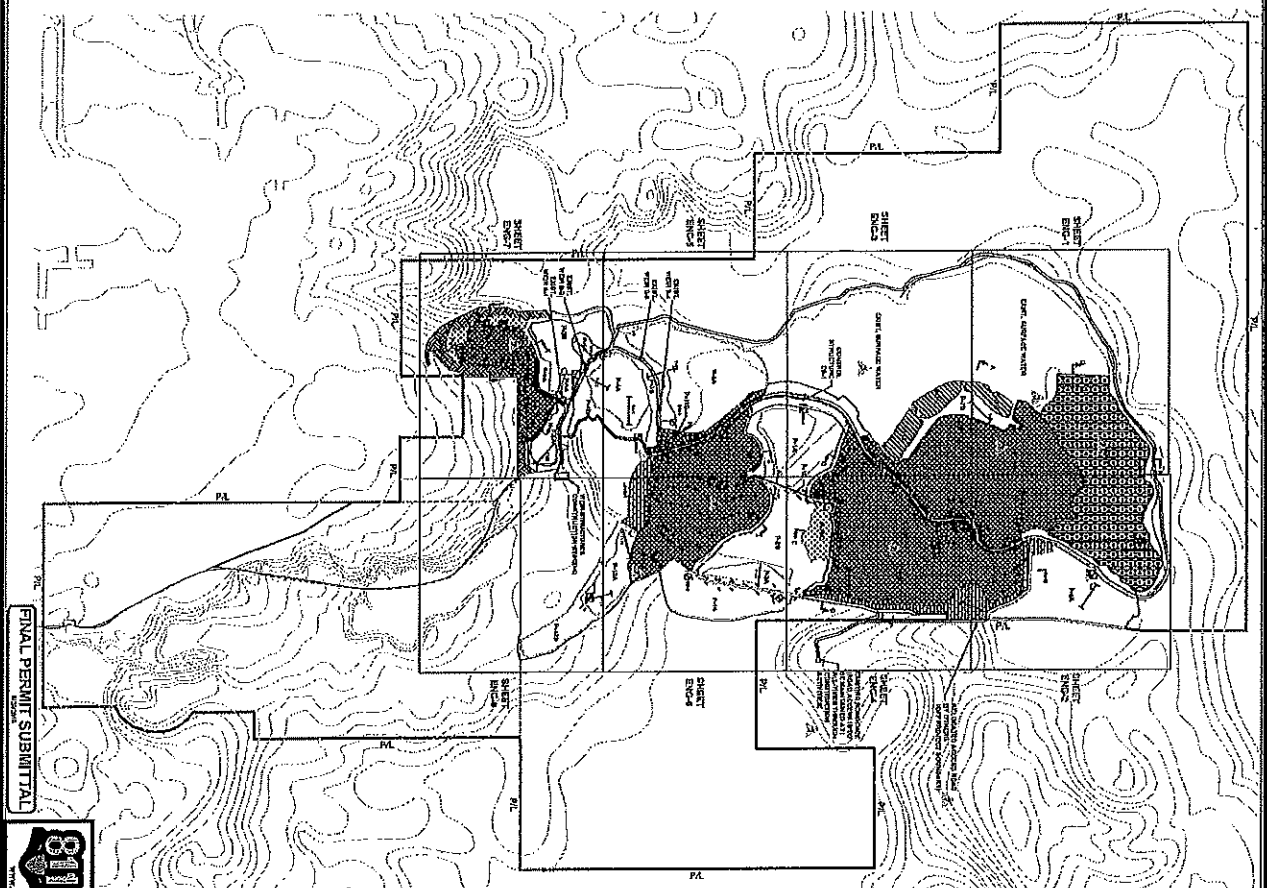
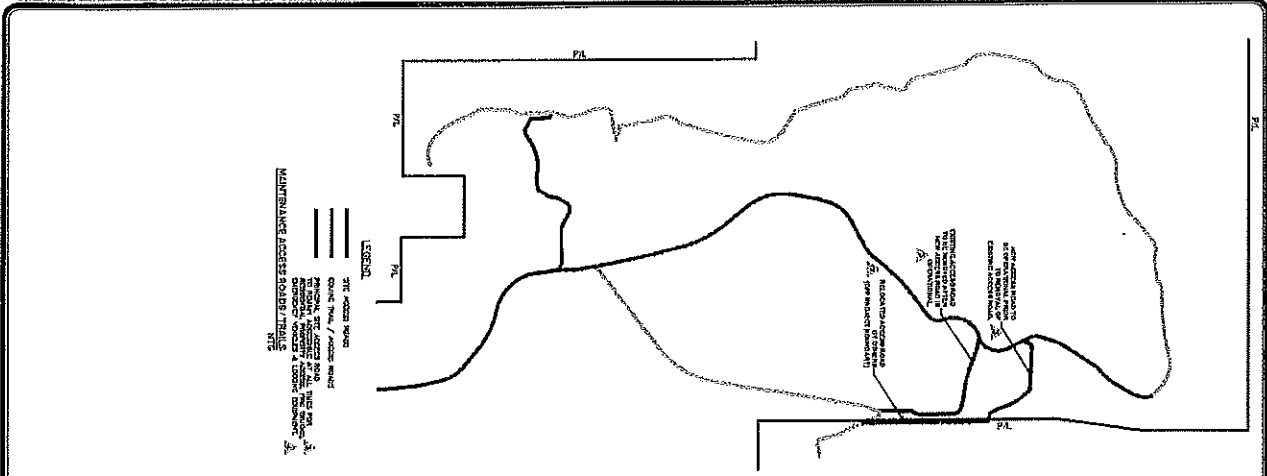


Joseph A. Miller, P.E.  
 A. Miller  
 03-0034

COVER SHEET  
 BLACKWATER CREEK MITIGATION AREA

NO.	DESCRIPTION	DATE	BY	CHKD.
1	ISSUED FOR PERMIT	03/15/18	JAM	JAM
2	REVISION			
3	REVISION			
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12	REVISION			
13	REVISION			
14	REVISION			
15	REVISION			
16	REVISION			





**GENERAL NOTES**

1. PROPERTY / SITE BOUNDARIES SHOWN, BUT NOT NEIGHBORS' PROPERTY BOUNDARIES. THE PROPERTY OWNER IS RESPONSIBLE FOR VERIFYING THE LOCATION AND BOUNDARIES OF ALL ADJACENT PROPERTY.
2. THIS PLAN IS SUBJECT TO THE RULES AND REGULATIONS OF THE STATE OF FLORIDA AND THE COUNTY OF LAKE COUNTY, FLORIDA.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FLORIDA BUILDING CODE AND THE FLORIDA PLUMBING CODE.
4. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE LOCAL JURISDICTIONS.
5. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSENTS FROM ANY ADJACENT PROPERTY OWNERS.
6. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSENTS FROM ANY ADJACENT PROPERTY OWNERS.
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20. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSENTS FROM ANY ADJACENT PROPERTY OWNERS.

**KEY SHEET**

**118**

**BLACKWATER CREEK MITIGATION AREA**

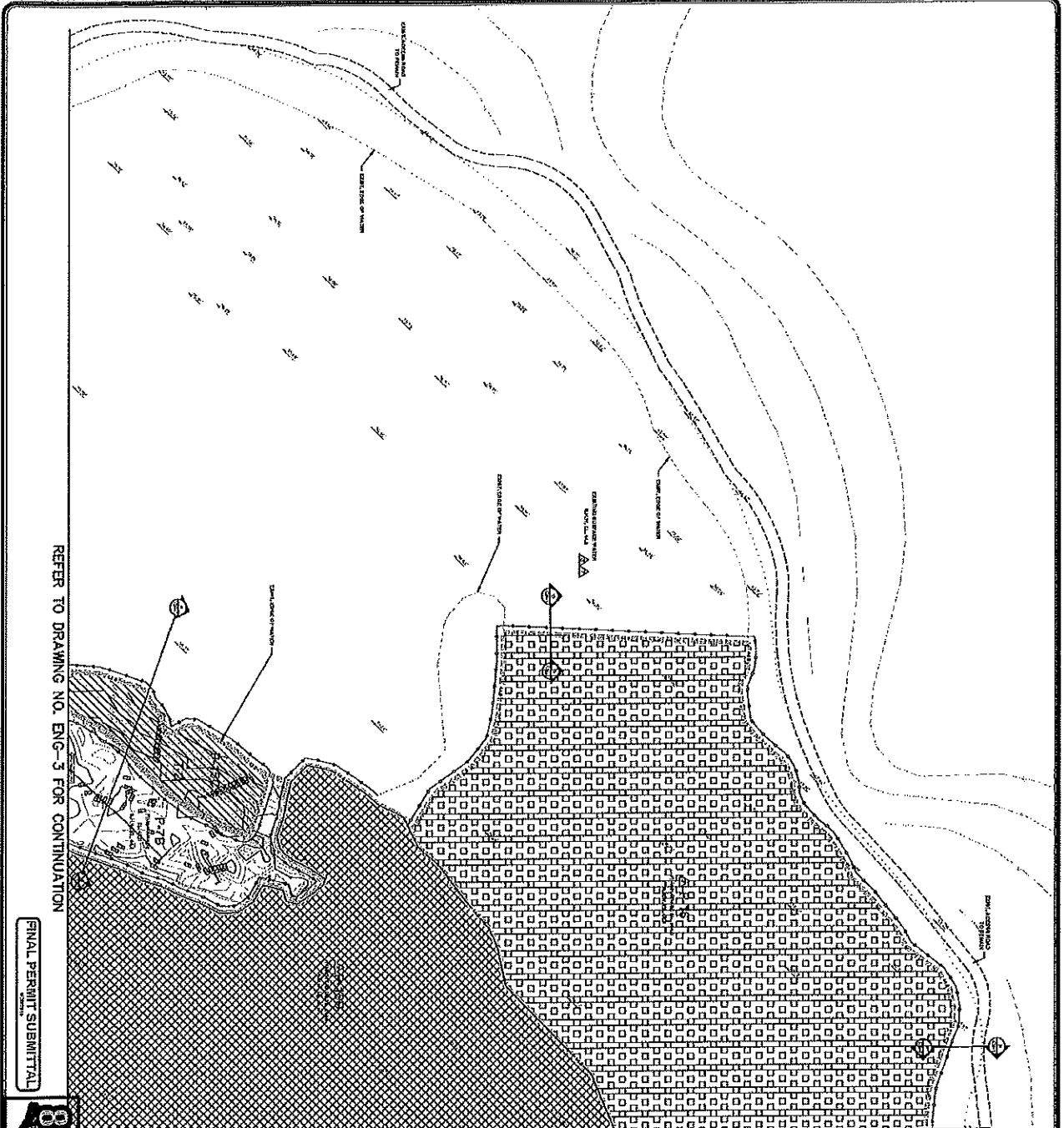
**LAKE COUNTY, FLORIDA**

**FOR: BLACKWATER CREEK WETLANDS MITIGATION, LLC.**

**MILLER LEGG**

Civil and Surveying  
 2200 W. US Highway 90, Suite 100  
 Ft. Lauderdale, FL 33311  
 Phone: (954) 571-1111  
 Fax: (954) 571-1112  
 www.millerleggsurvey.com

NO.	REVISION
1	ISSUE FOR PERMITTING
2	ISSUE FOR PERMITTING
3	ISSUE FOR PERMITTING
4	ISSUE FOR PERMITTING
5	ISSUE FOR PERMITTING
6	ISSUE FOR PERMITTING
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20	ISSUE FOR PERMITTING



REFER TO DRAWING NO. ENG-3 FOR CONTINUATION

FINAL PERMIT SUBMITTAL

REFER TO DRAWING NO. ENG-2 FOR CONTINUATION



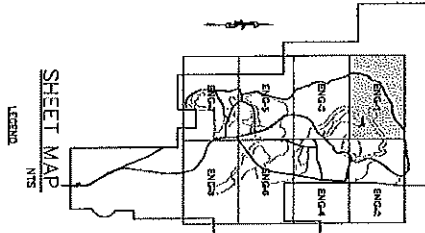
ENGINEERING PLAN

03-00344  
 ENG-1  
 3/13/2024

**MILLER LEGG**  
 Civil/Structural/Environmental/Mechanical/Electrical/Plumbing  
 121 W. Park Ave., Suite 100  
 Winter Park, FL 32789  
 407-878-2400 • Fax: 407-878-2401  
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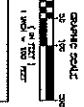
**BLACKWATER CREEK MITIGATION AREA**  
 LAKE COUNTY, FLORIDA  
 FOR: BLACKWATER CREEK WETLANDS MITIGATION, LLC.

NO.	DESCRIPTION	DATE
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3	REVISED PERMIT	1/24/24
4	REVISED PERMIT	2/8/24
5	REVISED PERMIT	2/22/24
6	REVISED PERMIT	3/7/24
7	REVISED PERMIT	3/21/24
8	REVISED PERMIT	4/4/24
9	REVISED PERMIT	4/18/24
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13	REVISED PERMIT	6/13/24
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60	REVISED PERMIT	3/26/26
61	REVISED PERMIT	4/9/26
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63	REVISED PERMIT	5/7/26
64	REVISED PERMIT	5/21/26
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66	REVISED PERMIT	6/18/26
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80	REVISED PERMIT	12/31/26



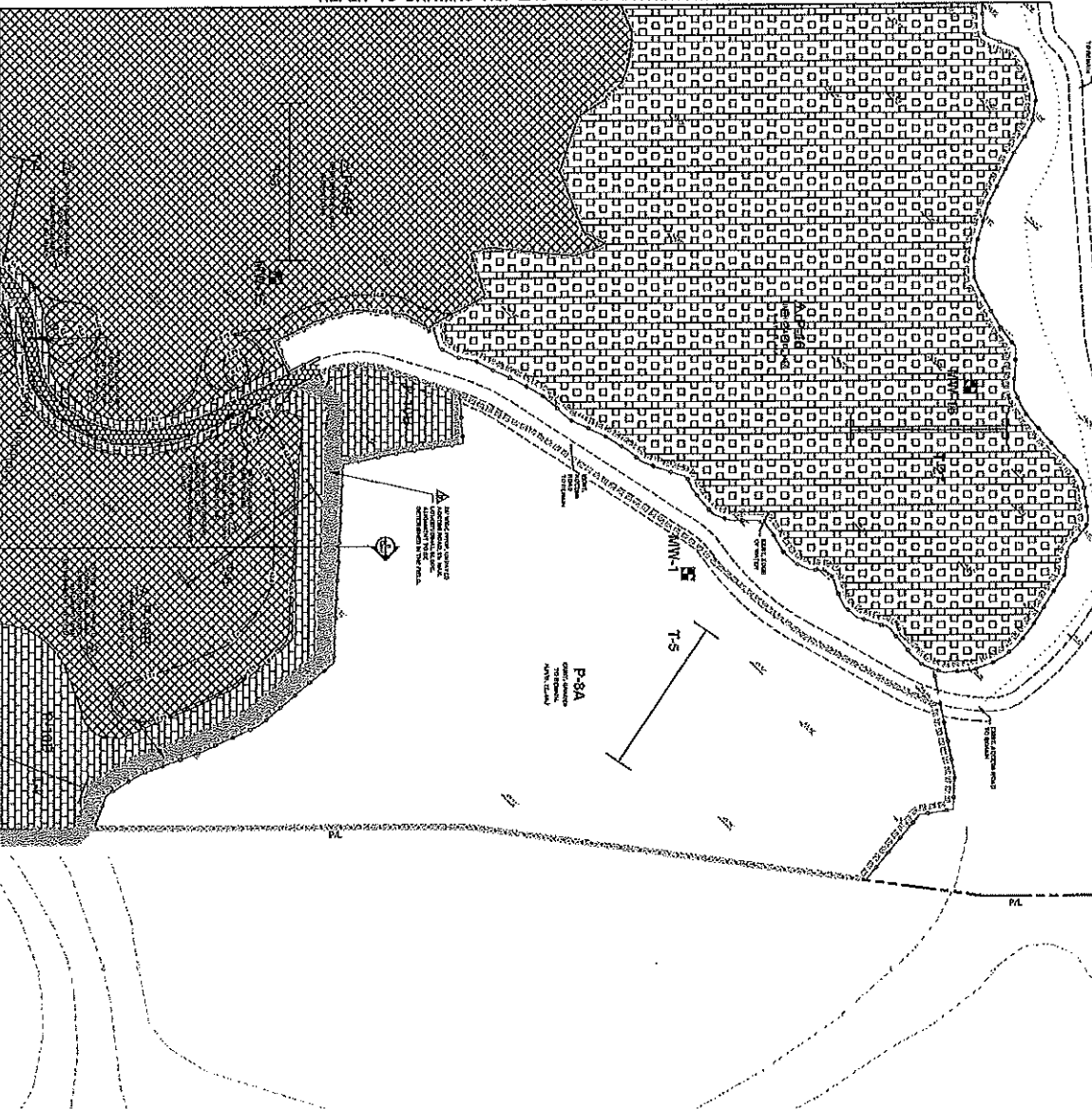
LEGEND

- PROPERTY AND P&I
- EXISTING WETLANDS
- PROPOSED WETLANDS
- WETLAND RESTORATION
- WETLAND ENHANCEMENT
- WETLAND PROTECTION
- WETLAND ACQUISITION
- WETLAND RESTORATION
- WETLAND ENHANCEMENT
- WETLAND PROTECTION
- WETLAND ACQUISITION



REFER TO DRAWING NO. ENG-1 FOR CONTINUATION

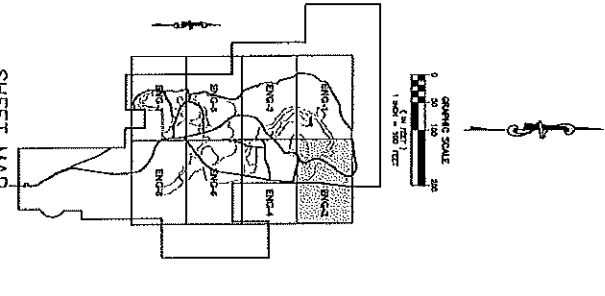
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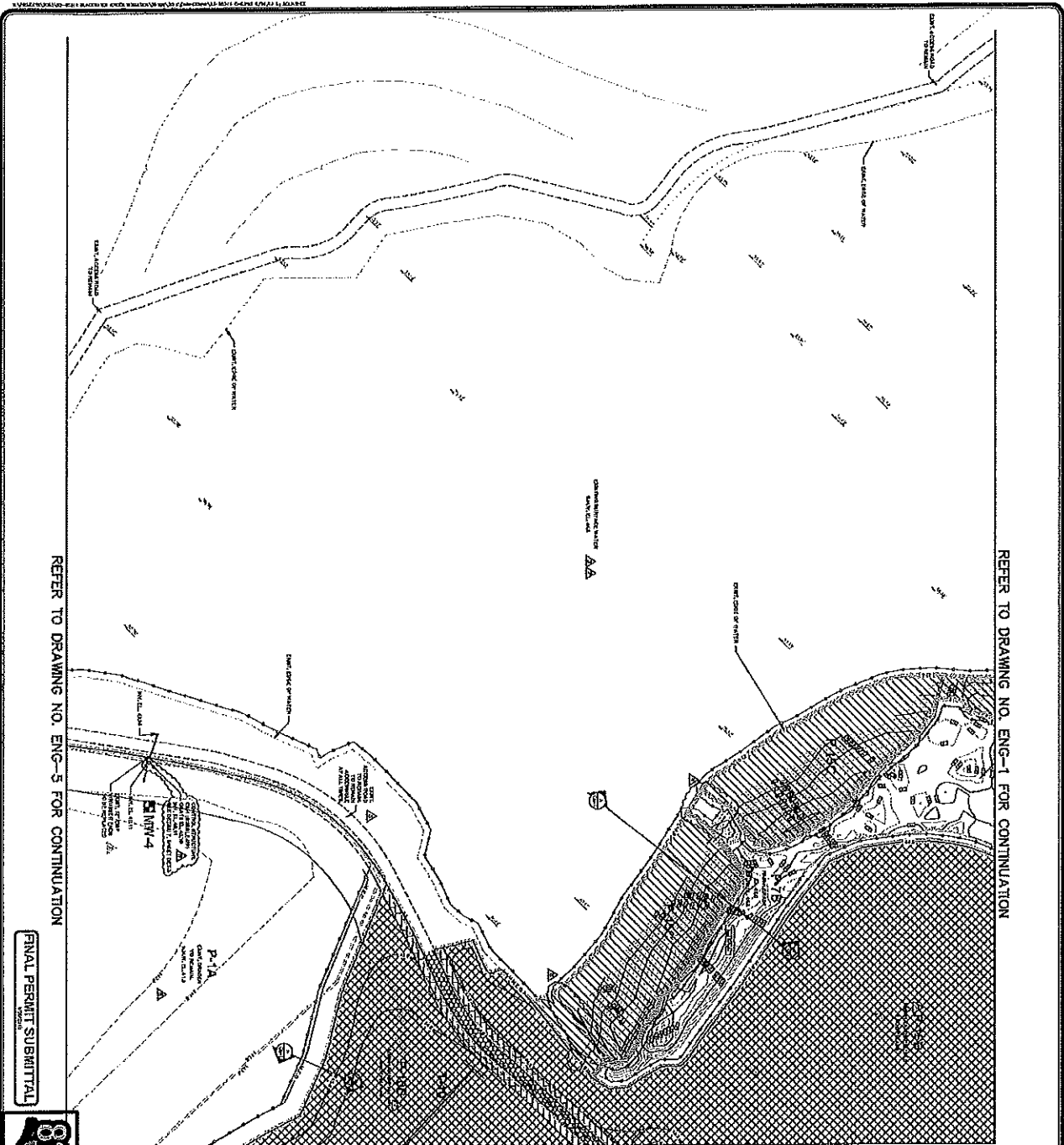
FINAL PERMIT SUBMITTAL

Professional seal of the State of Florida for the Engineer. The seal includes the name 'MILLER LEGG', the number '00344', and 'P.E.' (Professional Engineer). Registration information for the State of Florida is also provided.

- LEGEND**
- PROPOSED WETLAND
  - EXISTING WETLAND
  - PROPOSED WETLAND BUFFER
  - EXISTING WETLAND BUFFER
  - PROPOSED WETLAND MITIGATION AREA
  - EXISTING WETLAND MITIGATION AREA
  - PROPOSED WETLAND RESTORATION AREA
  - EXISTING WETLAND RESTORATION AREA
  - PROPOSED WETLAND CREATION AREA
  - EXISTING WETLAND CREATION AREA
  - PROPOSED WETLAND ENHANCEMENT AREA
  - EXISTING WETLAND ENHANCEMENT AREA
  - PROPOSED WETLAND PRESERVATION AREA
  - EXISTING WETLAND PRESERVATION AREA
  - PROPOSED WETLAND PROTECTION AREA
  - EXISTING WETLAND PROTECTION AREA



<p><b>ENGINEERING PLAN</b></p>		<p><b>REVISIONS</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>REVISION</td> </tr> <tr> <td>2</td> <td></td> <td>REVISION</td> </tr> <tr> <td>3</td> <td></td> <td>REVISION</td> </tr> <tr> <td>4</td> <td></td> <td>REVISION</td> </tr> <tr> <td>5</td> <td></td> <td>REVISION</td> </tr> <tr> <td>6</td> <td></td> <td>REVISION</td> </tr> <tr> <td>7</td> <td></td> <td>REVISION</td> </tr> <tr> <td>8</td> <td></td> <td>REVISION</td> </tr> <tr> <td>9</td> <td></td> <td>REVISION</td> </tr> <tr> <td>10</td> <td></td> <td>REVISION</td> </tr> </tbody> </table>		NO.	DATE	DESCRIPTION	1		REVISION	2		REVISION	3		REVISION	4		REVISION	5		REVISION	6		REVISION	7		REVISION	8		REVISION	9		REVISION	10		REVISION
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<p><b>MILLER LEGG</b></p> <p>REGISTERED PROFESSIONAL ENGINEER STATE OF FLORIDA NO. 00344</p>	<p><b>BLACKWATER CREEK MITIGATION AREA</b></p> <p>LAKE COUNTY, FLORIDA</p> <p>FOR: BLACKWATER CREEK WETLANDS MITIGATION, LLC.</p>																																			



**18** ENGINEERING PLAN

DATE: 03-03-14

PROJECT: BLACKWATER CREEK MITIGATION AREA

SCALE: 1" = 50' (SEE NOTE)

**LEGEND**

- PROPERTY LINE (P.L.)
- 20' BUFFER
- TOBACCO CROPPING
- TOBACCO CROPPING - 10' BUFFER
- TOBACCO CROPPING - 20' BUFFER
- TOBACCO CROPPING - 30' BUFFER
- TOBACCO CROPPING - 40' BUFFER
- TOBACCO CROPPING - 50' BUFFER
- TOBACCO CROPPING - 60' BUFFER
- TOBACCO CROPPING - 70' BUFFER
- TOBACCO CROPPING - 80' BUFFER
- TOBACCO CROPPING - 90' BUFFER
- TOBACCO CROPPING - 100' BUFFER
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- TOBACCO CROPPING - 120' BUFFER
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- TOBACCO CROPPING - 190' BUFFER
- TOBACCO CROPPING - 200' BUFFER
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- TOBACCO CROPPING - 720' BUFFER
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- TOBACCO CROPPING - 980' BUFFER
- TOBACCO CROPPING - 990' BUFFER
- TOBACCO CROPPING - 1000' BUFFER

**REVISIONS**

NO.	DATE	DESCRIPTION
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49	03-03-14	ISSUED FOR PERMIT
50	03-03-14	ISSUED FOR PERMIT

**MILLER LEGG**

221 E. 1st St., Suite 100, Ocala, FL 34471

TEL: 352.236.1111 FAX: 352.236.1112

WWW.MILLERLEGG.COM

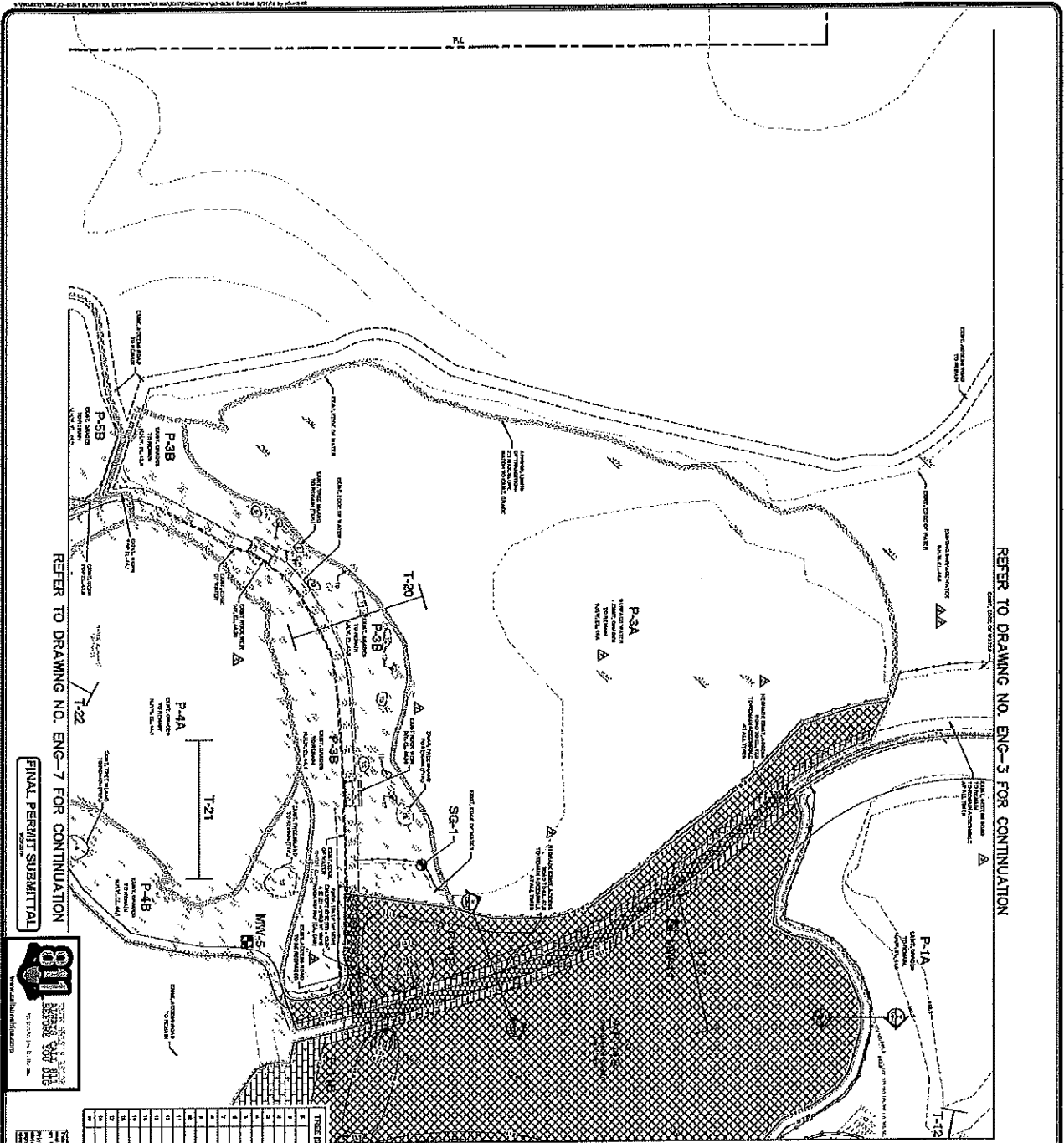
**BLACKWATER CREEK MITIGATION AREA**

LAKE COUNTY, FLORIDA

FOR: BLACKWATER CREEK WETLANDS MITIGATION, LLC.







REFER TO DRAWING NO. ENG-5 FOR CONTINUATION

REFER TO DRAWING NO. ENG-6 FOR CONTINUATION

REFER TO DRAWING NO. ENG-7 FOR CONTINUATION

FINAL PERMIT SUBMITTAL



Miller Legg  
 12000 W. US HWY 90  
 SUITE 200  
 WEST PALM BEACH, FL 33411  
 (561) 839-9999  
 FAX (561) 839-9998  
 WWW.MILLERLEGG.COM



ENGINEERING PLAN

DATE: 03-00344  
 PROJECT: 81  
 SHEET: 5

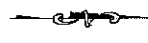
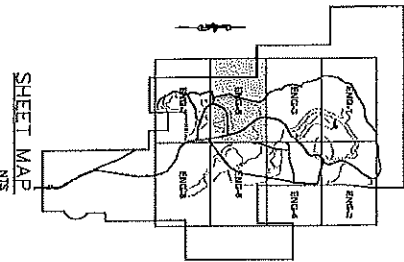
**MILLER LEGG**  
 12000 W. US HWY 90  
 SUITE 200  
 WEST PALM BEACH, FL 33411  
 (561) 839-9999  
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 WWW.MILLERLEGG.COM

**BLACKWATER CREEK MITIGATION AREA**  
 LAKE COUNTY, FLORIDA  
 FOR: BLACKWATER CREEK WETLANDS MITIGATION, LLC.

WETLAND ISLAND TABLE

ISLAND NO.	AREA (SQ FT)	TYPE
1	100	SWAMP
2	100	SWAMP
3	100	SWAMP
4	100	SWAMP
5	100	SWAMP
6	100	SWAMP
7	100	SWAMP
8	100	SWAMP
9	100	SWAMP
10	100	SWAMP
11	100	SWAMP
12	100	SWAMP
13	100	SWAMP
14	100	SWAMP
15	100	SWAMP
16	100	SWAMP
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22	100	SWAMP
23	100	SWAMP
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26	100	SWAMP
27	100	SWAMP
28	100	SWAMP
29	100	SWAMP
30	100	SWAMP

**LEGEND**  
 PROPOSED CANAL  
 EXISTING CANAL  
 EXISTING ROAD  
 EXISTING UTILITY  
 EXISTING STRUCTURE  
 EXISTING WETLAND  
 EXISTING OPEN SPACE  
 EXISTING SWAMP  
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 EXISTING SWAMP



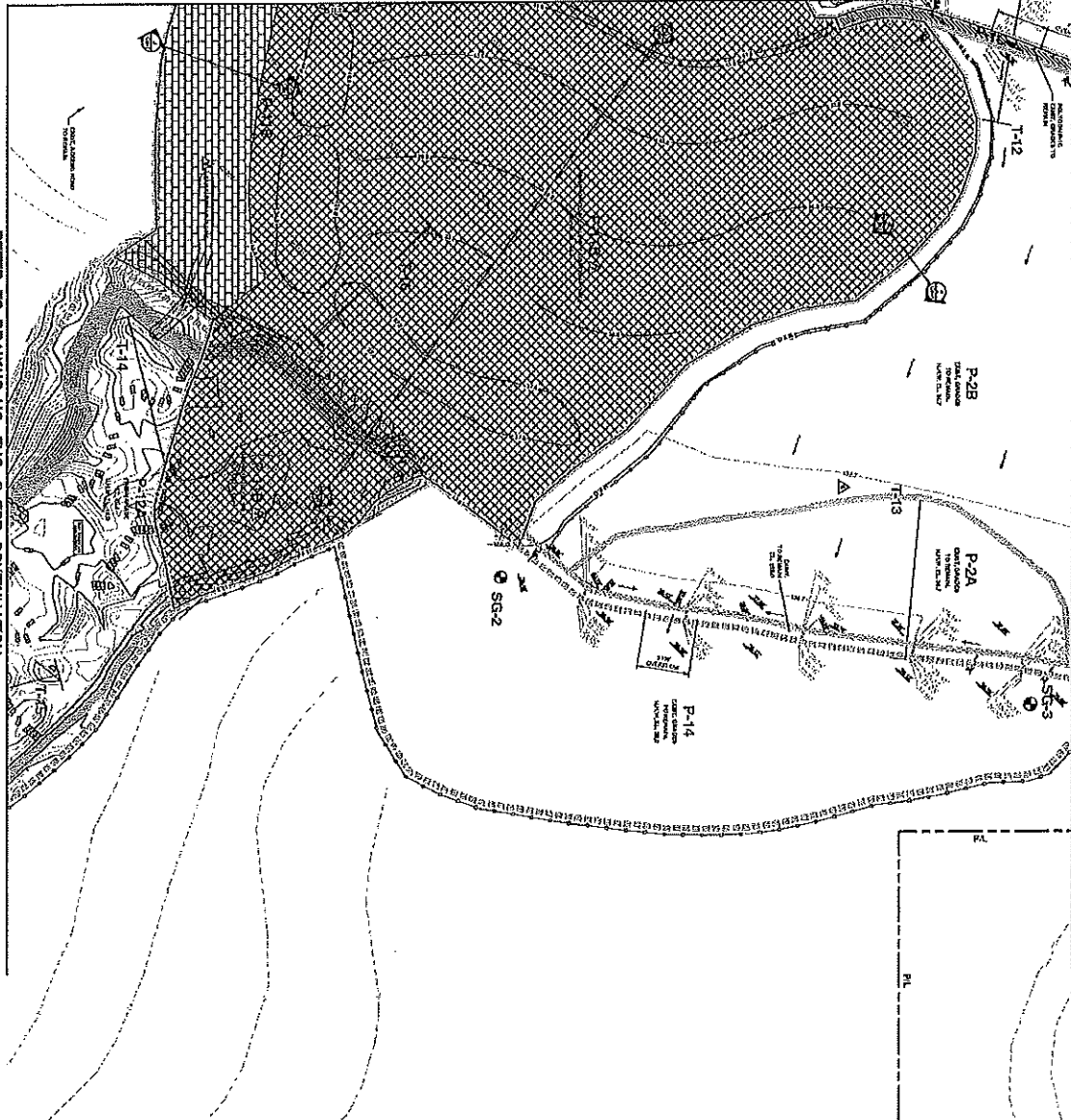
REVISIONS

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30	03/11/11	ISSUE FOR PERMIT

REFER TO DRAWING NO. ENG-5 FOR CONTINUATION

REFER TO DRAWING NO. ENG-8 FOR CONTINUATION

REFER TO DRAWING NO. ENG-4 FOR CONTINUATION



FINAL PERMIT SUBMITTAL

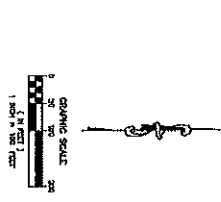
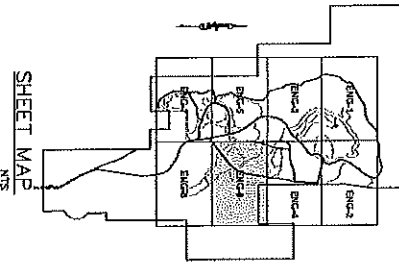


18  
**STEVEN LEGG**  
 REGISTERED PROFESSIONAL ENGINEER  
 NO. 118  
 STATE OF FLORIDA



**LEGEND**

- PROPERTY LINE (NO. 1)
- PROPERTY LINE (NO. 2)
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ENGINEERING PLAN

**REVISIONS**

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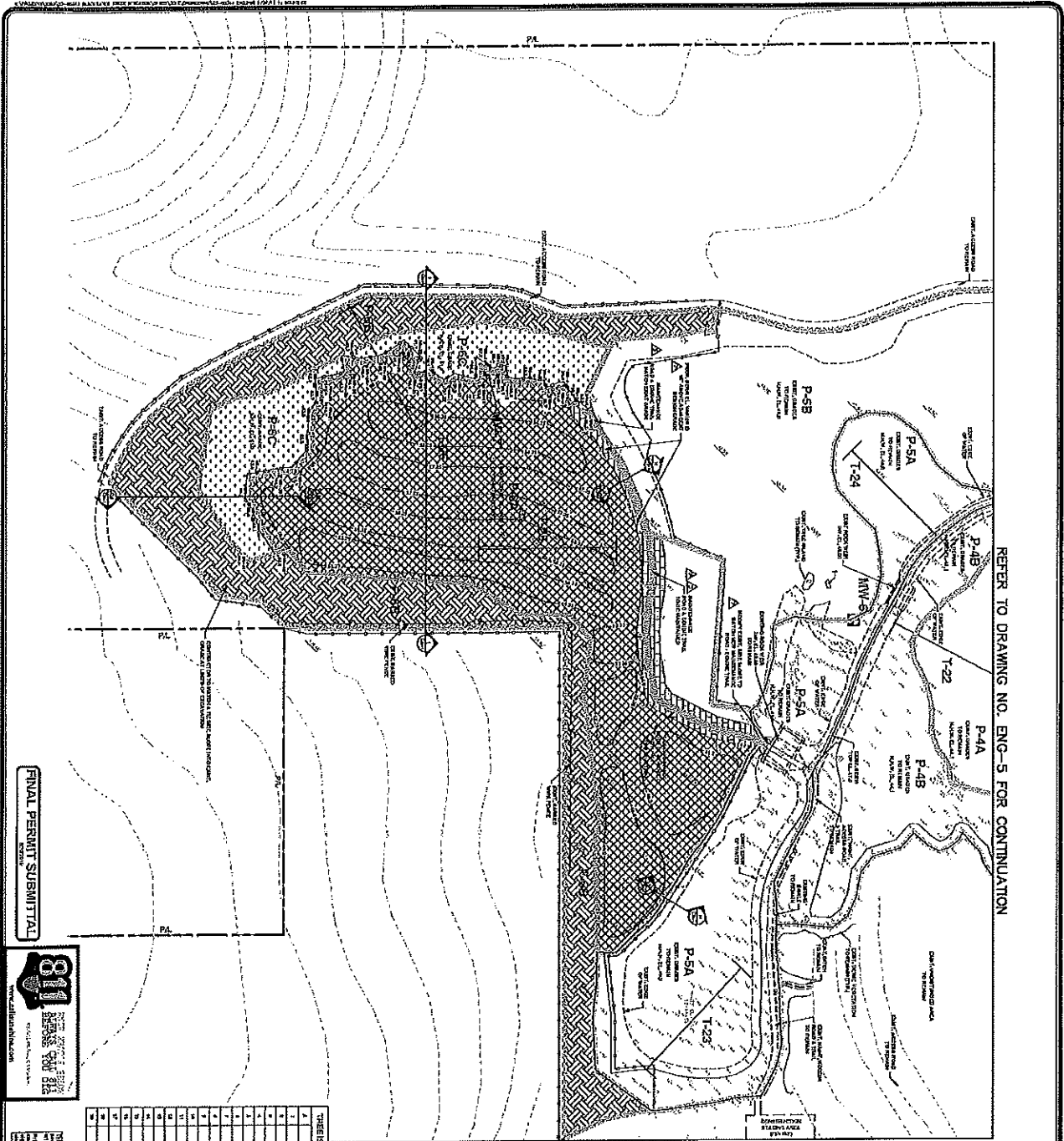
03-00344  
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 9/8

**MILLER LEGG**  
 Civil Engineering Office, 411 S. Orlando Ave. • Suite 270  
 Lake County, Florida 32769-2122  
 407-888-5555 • Fax 407-888-7860  
 www.mlegg.com

**BLACKWATER CREEK MITIGATION AREA**  
 LAKE COUNTY, FLORIDA  
 FOR: BLACKWATER CREEK WETLANDS MITIGATION, LLC.

**DATE PLOTTED**  
 03/08/2004 11:40:31 AM

NO.	DESCRIPTION	DATE
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REFER TO DRAWING NO. ENG-5 FOR CONTINUATION

REFER TO DRAWING NO. ENG-8 FOR CONTINUATION

FINAL PERMIT SUBMITTAL

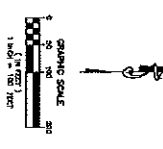
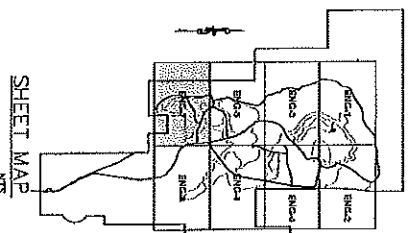


**THE ISLAND TABLE**

NO.	AREA (SQ FT)	NO.	AREA (SQ FT)
1	118	11	302
2	118	12	302
3	118	13	302
4	118	14	302
5	118	15	302
6	118	16	302
7	118	17	302
8	118	18	302
9	118	19	302
10	118	20	302



- LEGEND**
- PROPERTY LINE (PL)
  - SET BACK
  - TERRACE
  - REVISIONS
  - DRIVE CURBLINE
  - ARBORESCENT/DECIDUOUS
  - TRIALS/TWIGS
  - GRASS
  - UNPAVED DRIVEWAY TO SURROUNDING NEIGHBOR
  - UNPAVED DRIVEWAY TO SURROUNDING NEIGHBOR
  - UNPAVED DRIVEWAY TO SURROUNDING NEIGHBOR
  - UNPAVED DRIVEWAY TO SURROUNDING NEIGHBOR
  - UNPAVED DRIVEWAY TO SURROUNDING NEIGHBOR



ENGINEERING PLAN

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**MILLER LEGG**  
 2015 W. US HWY 17 S. SUITE 1000  
 PALM BEACH, FL 33411  
 (561) 835-1111  
 (561) 835-1112  
 (561) 835-1113

**BLACKWATER CREEK MITIGATION AREA**  
 LAKE COUNTY, FLORIDA  
 FOR: BLACKWATER CREEK WETLANDS MITIGATION, LLC.

NO.	DATE	DESCRIPTION
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**CROSS SECTIONS**

**FINAL PERMIT SUBMITTAL**

**NOTES:**

1. THESE CROSS SECTIONS ARE BASED ON DATA PROVIDED BY THE CLIENT AND ARE NOT TO BE USED FOR ANY OTHER PURPOSE.
2. THE WATER TABLE DEPTHS SHOWN ARE BASED ON DATA PROVIDED BY THE CLIENT AND ARE NOT TO BE USED FOR ANY OTHER PURPOSE.
3. THE VEGETATION SHOWN IS BASED ON DATA PROVIDED BY THE CLIENT AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.
4. THE SOIL PROFILES SHOWN ARE BASED ON DATA PROVIDED BY THE CLIENT AND ARE NOT TO BE USED FOR ANY OTHER PURPOSE.
5. THE CROSS SECTIONS ARE NOT TO BE USED FOR ANY OTHER PURPOSE.
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**REVISIONS**

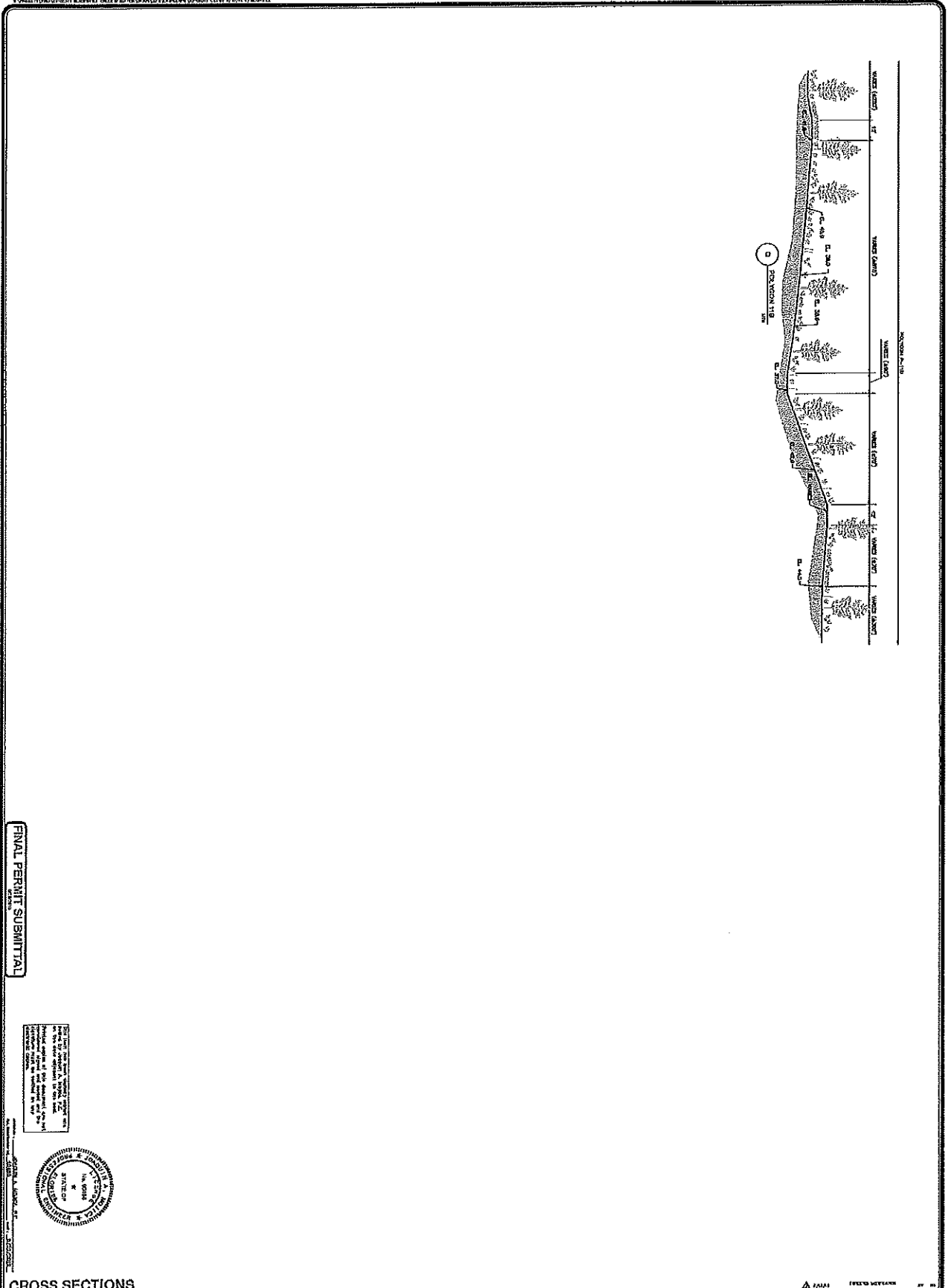
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**MILLER LEGG**  
 Civil Florida (07) # 631 & 632 and A # 1-5 and 792  
 17200 N.W. 14th St., Suite 100  
 Miami, FL 33187  
 (305) 551-1111  
 FAX (305) 551-1112  
 www.millerlegg.com

**BLACKWATER CREEK MITIGATION AREA**  
 LAKE COUNTY, FLORIDA  
 FOR: BLACKWATER CREEK WETLANDS MITIGATION, LLC.

**REVISIONS**

NO.	DATE	DESCRIPTION
1	03-03-11	ISSUED FOR PERMITTING
2	03-03-11	ISSUED FOR PERMITTING
3	03-03-11	ISSUED FOR PERMITTING
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CROSS SECTIONS

PROJECT NO.	03-00344
DATE	12/11/13
SCALE	AS SHOWN
BY	JAL
CHECKED	JAL
DATE	12/11/13

**MILLER LEGG**  
 6600 US HWY 90N, SUITE 401, ORLANDO, FLORIDA 32817  
 407-226-0000 FAX 407-226-1001  
 www.mlegg.com

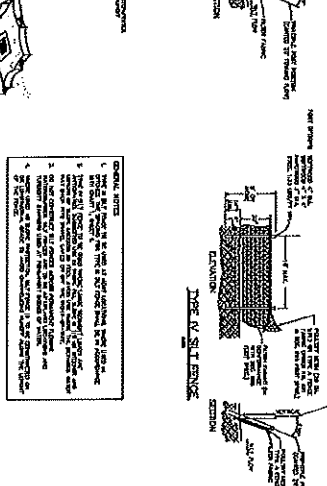
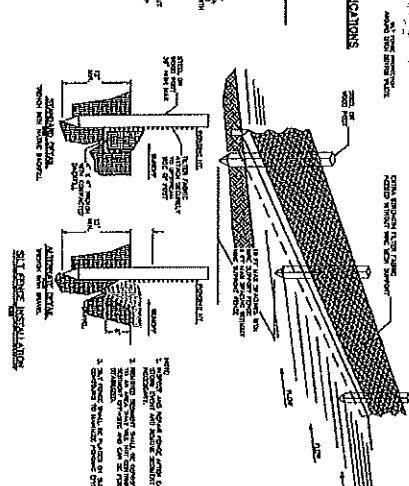
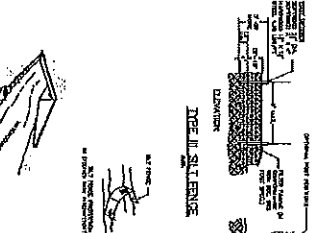
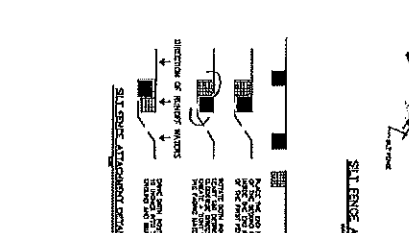
**BLACKWATER CREEK MITIGATION AREA**  
 LAKE COUNTY, FLORIDA  
 FOR: BLACKWATER CREEK WETLANDS MITIGATION, LLC.

NO.	DESCRIPTION	BY	DATE
1	ISSUED FOR PERMITTING	JAL	12/11/13
2	REVISED FOR PERMITTING	JAL	12/11/13
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**SPECIAL USER APPLICATIONS - SEE NOTES**

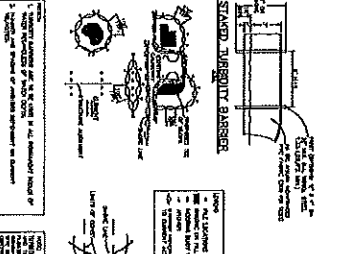
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**GENERAL NOTES**

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**TURBIDITY BARRIER APPLICATIONS**

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**FINAL PERMIT SUBMITTAL**



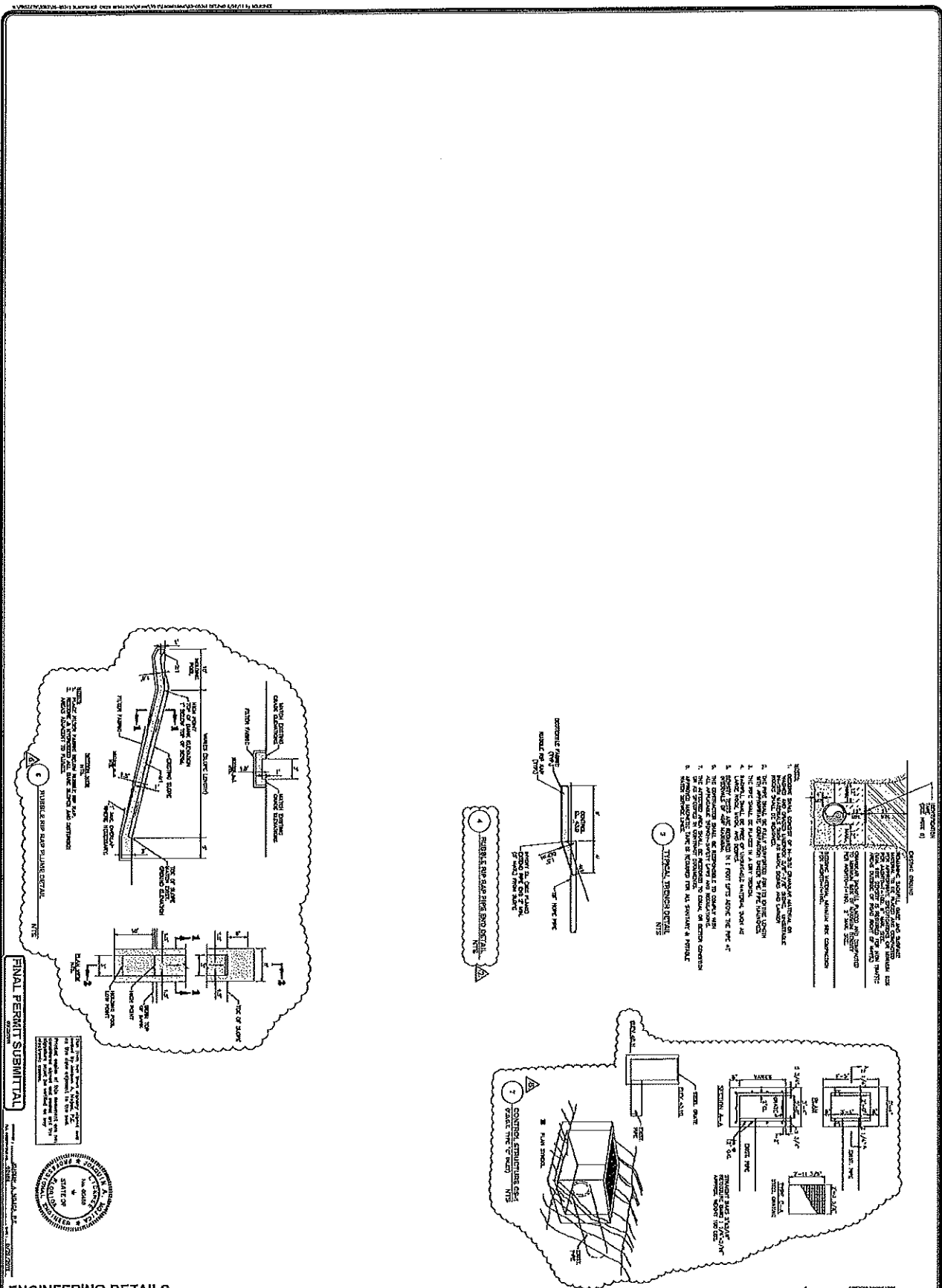
**ENGINEERING DETAILS**

DATE	03-00344
SCALE	AS SHOWN
PROJECT	BLACKWATER CREEK MITIGATION AREA
CLIENT	BLACKWATER CREEK WETLANDS MITIGATION, LLC

**MILLER LEGG**  
 ENGINEERS  
 12345 MAIN STREET  
 TAMPA, FL 33601  
 (813) 555-1234

**BLACKWATER CREEK MITIGATION AREA**  
 LAKE COUNTY, FLORIDA  
 FOR: BLACKWATER CREEK WETLANDS MITIGATION, LLC.

NO.	DATE	DESCRIPTION
1	03/15/24	ISSUED FOR PERMIT
2	03/20/24	REVISION: SEE SHEET 10
3	03/25/24	REVISION: SEE SHEET 10
4	04/01/24	REVISION: SEE SHEET 10
5	04/05/24	REVISION: SEE SHEET 10
6	04/10/24	REVISION: SEE SHEET 10
7	04/15/24	REVISION: SEE SHEET 10
8	04/20/24	REVISION: SEE SHEET 10
9	04/25/24	REVISION: SEE SHEET 10
10	05/01/24	REVISION: SEE SHEET 10



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ENGINEERING DETAILS

**MILLER LEGG**  
 Civil/Forest/DC/CA, 1378 Old Kings Road, Suite 600  
 2149 P.A. Blvd., Suite 2100, Tallahassee, FL 32302  
 (904) 833-5501 Fax: (904) 833-5502  
 www.millerlegg.com

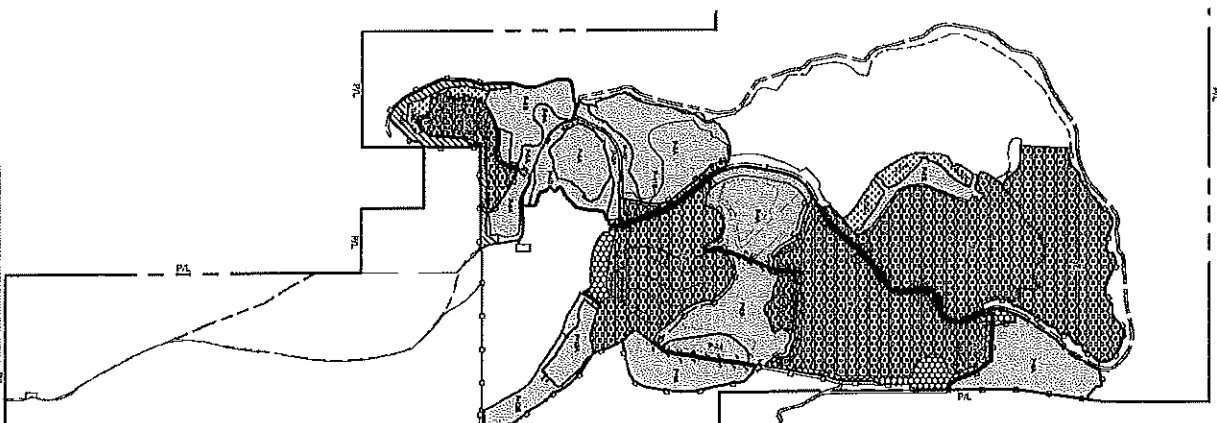
**BLACKWATER CREEK MITIGATION AREA**  
 LAKE COUNTY, FLORIDA  
 FOR: BLACKWATER CREEK WETLANDS MITIGATION, LLC.

NO.	DESCRIPTION	DATE
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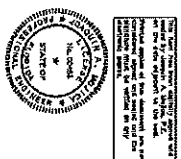
PROPOSED PLANTING SCHEDULE

Area	Plant Species	Approx. Sp. Density / ac	Total Plants
Marsh	ELEOCHARIS INTERSTINCTA (SPIKE RUSH)		
	PONTEDERIA COROPATA (PICKERELWEED)		
	SAGITTARIA LANCIIFOLIA (DUCK POTATO)		
	SAGITTARIA LATIFOLIA (COMMON ARROWHEAD)		
	SCIRPUS VALIDUS (SOFT STEM BULRUSH)		
	THALIA GENICULATA (FIRE FLAG)		
	CANNIA FLACCIDA (YELLOW CANNIA)		
	CRINUM AMERICANUM (SWAMP LILY)		
	IRIS HEXAGONA (BLUE FLAG IRIS)		
	JUNCUS EFFUSUS (SOFT RUSH)		
Forested Wetland (Trees)	PANICUM HEMITOMON (MAIDENCANE)		
	SPARTINA BAKERI (CORD GRASS)		
	ACER RUBRUM (RED MAPLE)		
	LIQUIDAMBAR STRACIFLUA (SWEET GUM)		
	NYSSA SYRIATICA (BLACK GUM)		
	PERSEA BORSONIA (RED BAY)		
	PERSEA PALUSTRIS (SWAMP BAY)		
	QUERCUS LAURIFOLIA (LAUREL OAK)		
	MAGNOLIA VIRGINIANA (SWEET BAY)		
	TAXODIUM DISTICHUM (BALD CYPRESS)		
Forested Wetland (Herbaceous)	GORDONIA LASIANTHUS (LOBLOLLY BAY)		
	CANNIA FLACCIDA (YELLOW CANNIA)		
	IRIS HEXAGONA (BLUE FLAG IRIS)		
	SAURUS CERULUS (LIZARD TAIL)		
	OSMUNDA CINNAMOMEA (CINNAMON FERN)		
	PINUS PALUSTRIS (LONG LEAF PINE)		
	QUERCUS VIRGINIANA (LIVE OAK)		
	QUERCUS SHUMARDII (SHUMARD OAK)		
	SABAL PALMETTO (CABBAGE PALM)		
	MULHENBERGIA CAPILLARIS (MAUIRY GRASS)		
Transitional / Upland (Herbaceous)	ANDROPOGON VIRGINICUS (BUSHY BLUESTEM)		
	ARISTIDA STRICTA (WIREGRASS)		
	ERAGROSTIS ELLIOTTI (ELLIOTT'S LOVEGRASS)		
	SPARTINA BAKERI (CORD GRASS)		
	MULHENBERGIA CAPILLARIS (MAUIRY GRASS)		
	ANDROPOGON VIRGINICUS (BUSHY BLUESTEM)		
	ARISTIDA STRICTA (WIREGRASS)		
	ERAGROSTIS ELLIOTTI (ELLIOTT'S LOVEGRASS)		
	SPARTINA BAKERI (CORD GRASS)		
	SPARTINA BAKERI (CORD GRASS)		
Completed Area			
Total		551	691,927



	MARSH (SAGITTARIA AND SCIRPUS)
	FORESTED WETLAND (TREES)
	FORESTED WETLAND (HERBACEOUS)
	TRANSITIONAL/UPLAND
	COMPLETED AREA

FINAL PERMIT SUBMITTAL



PLANTING PLAN EXHIBIT

**MILLER LEGG**  
 Central Office: 1001 W. 1st St., Suite 100, Ft. Lauderdale, FL 33304  
 Phone: (954) 333-1234 Fax: (954) 333-1235  
 Website: www.millerlegg.com

**BLACKWATER CREEK MITIGATION AREA**  
 LAKE COUNTY, FLORIDA  
 FOR: BLACKWATER CREEK WETLANDS MITIGATION, LLC.

NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	NO. 7	NO. 8	NO. 9	NO. 10
1	2	3	4	5	6	7	8	9	10