



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
1002 WEST 23RD STREET, SUITE 350
PANAMA CITY, FLORIDA 32405

August 25, 2016

REPLY TO
ATTENTION OF

Regulatory Division
North Permits Branch
Panama City Permits Section
SAJ-2016-01022(NPR-LSL)

Mr. Phillip Creek
Couch Aggregates, LLC
715 Twitchell Road
Dothan, Alabama 36303

Dear Mr. Creek:

Reference is made to the application received on March 30, 2016, for a Department of the Army permit to expand an existing sand mine. The proposed project site is located at an existing sand mine called in Section 5 and 6, Township 1 South, Range 14 West, Southport, Bay County, Florida. The application has been assigned the file number SAJ-2016-01022.

The project as proposed will not require a Department of the Army permit in accordance with Section 10 of the Rivers and Harbors Act of 1899 as it is not located within the navigable waters of the United States. Furthermore, a permit will not be required in accordance with Section 404 of the Clean Water Act as it will not involve the discharge of dredged or fill material into waters of the United States. Provided the work is done in accordance with the enclosed drawings, Department of the Army authorization will not be required.

This letter contains an approved jurisdictional determination for your subject site. If you object to this determination/decision, you may request an administrative appeal under Corps' regulations at 33 CFR Part 331. Enclosed you will find a Notification of Appeal Process fact sheet and Request for Appeal (RFA) form. If you request to appeal this determination/decision, you must submit a completed RFA form to the South Atlantic Division Office at the following address:

Mr. Jason Steele
South Atlantic Division
U.S. Army Corps of Engineers
CESAD-CM-CO-R, Room 9M15
60 Forsyth St., SW.
Atlanta, Georgia 30303-8801.

Mr. Steele can be reached by telephone number at 404-562-5137, or by facsimile at 404-562-5138.

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR Part 331.5, and that it has been received by the Division office within 60 days of the date of the RFA. Should you decide to submit an RFA form, it must be received at the above address by **October 24, 2016**. It is not necessary to submit an RFA form to the Division office, if you do not object to the determination/decision in this letter.

This determination has been conducted to identify the limits of the Corps Clean Water Act jurisdiction for the particular site identified in this request. This determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985, as amended. If you or your tenant are U.S. Department of Agriculture (USDA) program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resources Conservation Service prior to starting work. Please be advised this determination reflects current policy and regulations and is valid for a period of no longer than 5 years from the date of this letter unless new information warrants a revision of the determination before the expiration date. If after the 5-year period, the Corps has not specifically revalidated this determination, it will automatically expire. Any reliance upon this determination beyond the expiration date may lead to possible violation of current Federal laws and/or regulation.

Additionally, your project site may contain species protected by the Endangered Species Act (ESA) of 1972, as amended. You should contact your local U.S. Fish and Wildlife Service (FWS) office to determine if federally listed species or their habitat are present on your project site. If it is determined that federally listed species may be affected by the proposed project, authorization for "incidental take" may be required. FWS offices can be contacted by the following telephone numbers: Jacksonville at 904-232-2580, Panama City at 850-769-0552, St. Petersburg at 727-570-5398, or Vero Beach at 772-562-3909.

This letter does not obviate the requirement to obtain any other Federal, State, or local permits that may be necessary for your project. Should you have any questions, please contact Mrs. Lisa S. Lovvorn at the letterhead address or by telephone at 850-763-0717, extension 27.

Thank you for your cooperation with our permit program. The Corps Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our

environment. We invite you to take a few minutes to visit <http://per2.nwp.usace.army.mil/survey.html> and complete our automated Customer Service Survey. Your input is appreciated – favorable or otherwise. Please be aware this web address is case sensitive and should be entered as it appears above.

Sincerely,

Lisa S. Lovvorn
Project Manager

Enclosures

Copy Furnished:

Mrs. Bethany Womack, Cypress Environmental of Bay County, LLC
Mr. Stephen Price, Panhandle Engineering, Inc.

**NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND
REQUEST FOR APPEAL**

Applicant: Mr. Phillip Creel, Couch Aggregates, LLC	File Number: SAJ-2016-01022	Date: August 25, 2016
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Attached is:	See Section below
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	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A
	PROFFERED PERMIT (Standard Permit or Letter of permission)	B
	PERMIT DENIAL	C
X	APPROVED JURISDICTIONAL DETERMINATION	D
	PRELIMINARY JURISDICTIONAL DETERMINATION	E

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at http://www.usace.army.mil/CECW/Pages/reg_materials.aspx or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.

- *ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.*
- **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit

- *ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.*
- **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.

- *ACCEPT: You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.*
- **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

If you have questions regarding this decision and/or the appeal process you may contact:

Project Manager as noted in letter

If you only have questions regarding the appeal process you may also contact:

**Jason Steele
404-562-5137**

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

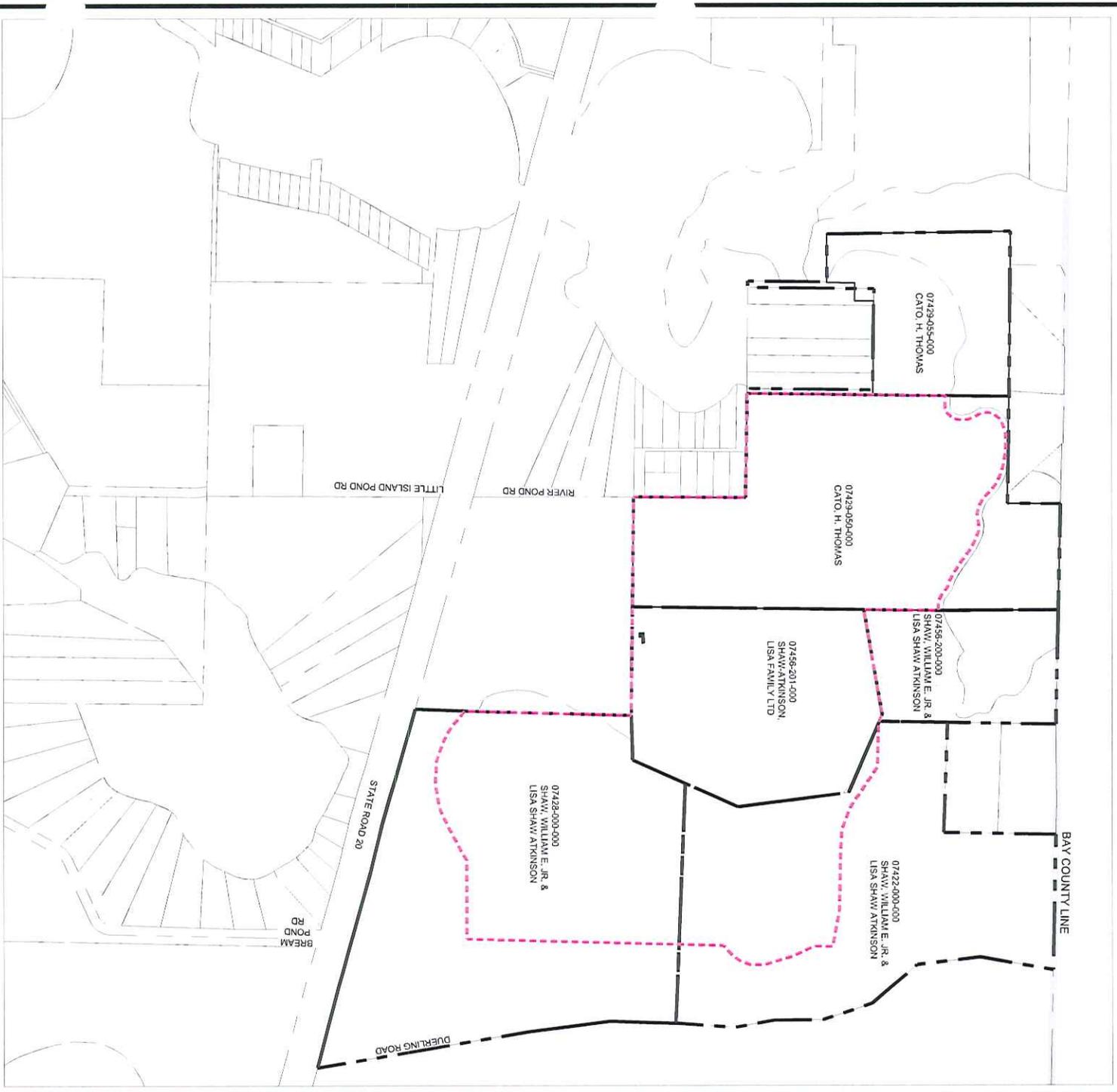
_____ Signature of appellant or agent.	Date:	Telephone number:
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Prepared By: Cypress Environmental of Bay County, LLC

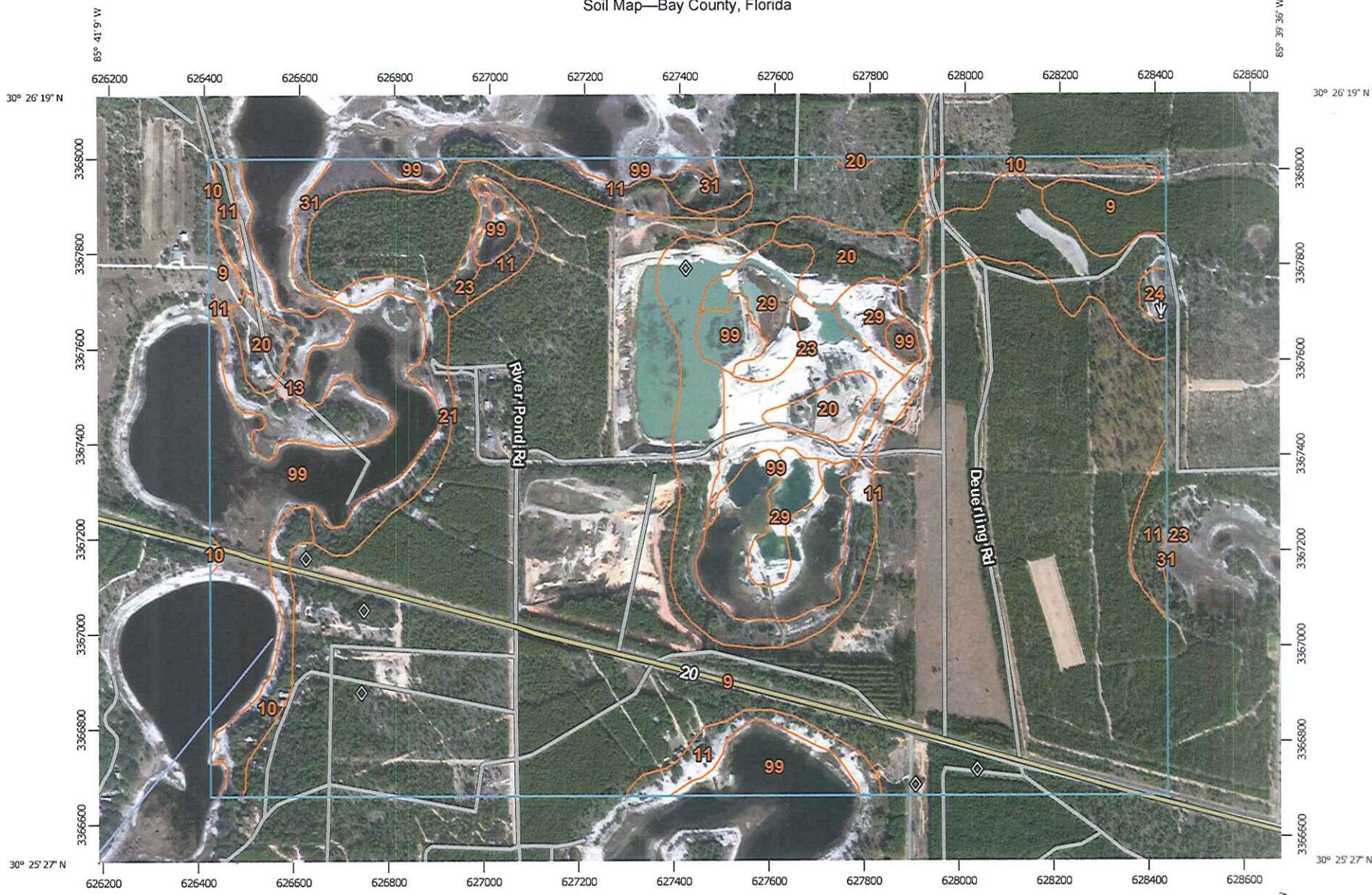
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APPLICANT/CLIENT: Couch Aggregate / SR 20 Sand Mine
WATERBODY/CLASS:
PURPOSE: Environmental Assessment
PROJECT LOCATION / USGS: River Pond Road/Crystal Lake
LATITUDE: N30° 26' 01.6"
LONGITUDE: W85° 40' 20.5"
SECTION: 5 / **TOWNSHIP:** 1 South **RNG:** 14 West

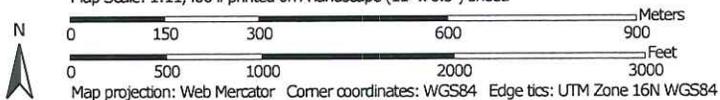
JOB: 104.26
DEP:
COE:
OTHER: Multiple Parcels
DATE: March 22, 2016
SHEET: VICINITY MAP



Soil Map—Bay County, Florida



Map Scale: 1:11,400 if printed on A landscape (11" x 8.5") sheet.



MAP LEGEND

- Area of Interest (AOI)**
-  Area of Interest (AOI)
- Soils**
-  Soil Map Unit Polygons
-  Soil Map Unit Lines
-  Soil Map Unit Points
- Special Point Features**
-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot
-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features
- Water Features**
-  Streams and Canals
- Transportation**
-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads
- Background**
-  Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bay County, Florida
 Survey Area Data: Version 15, Nov 18, 2015

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 5, 2010—Dec 10, 2010

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Bay County, Florida (FL005)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
9	Lakeland sand, 0 to 5 percent slopes	400.7	59.8%
10	Lakeland sand, 5 to 8 percent slopes	17.4	2.6%
11	Lakeland sand, 8 to 12 percent slopes	71.9	10.7%
13	Leon sand, 0 to 2 percent slopes	16.1	2.4%
20	Foxworth sand, 0 to 5 percent slopes	17.4	2.6%
21	Foxworth sand, 5 to 8 percent slopes	10.5	1.6%
23	Chipley sand, 0 to 5 percent slopes	17.2	2.6%
24	Chipley sand, 5 to 8 percent slopes	1.3	0.2%
29	Rutledge sand, 0 to 2 percent slopes	17.8	2.7%
31	Osier fine sand	8.8	1.3%
99	Water	90.5	13.5%
Totals for Area of Interest		669.6	100.0%



PREPARED BY: CYPRESS ENVIRONMENTAL

Client / Applicant: State Road 20 Sand Pit
Waterbody / Class:

Job: 104.26

DEP:

COE:

Purpose: Environmental Assessment
Project Location / USGS: River Pond Road / Crystal Lake

Other: Multiple Parcels

Latitude: N30° 26' 01.6"

Date: February 22, 2016

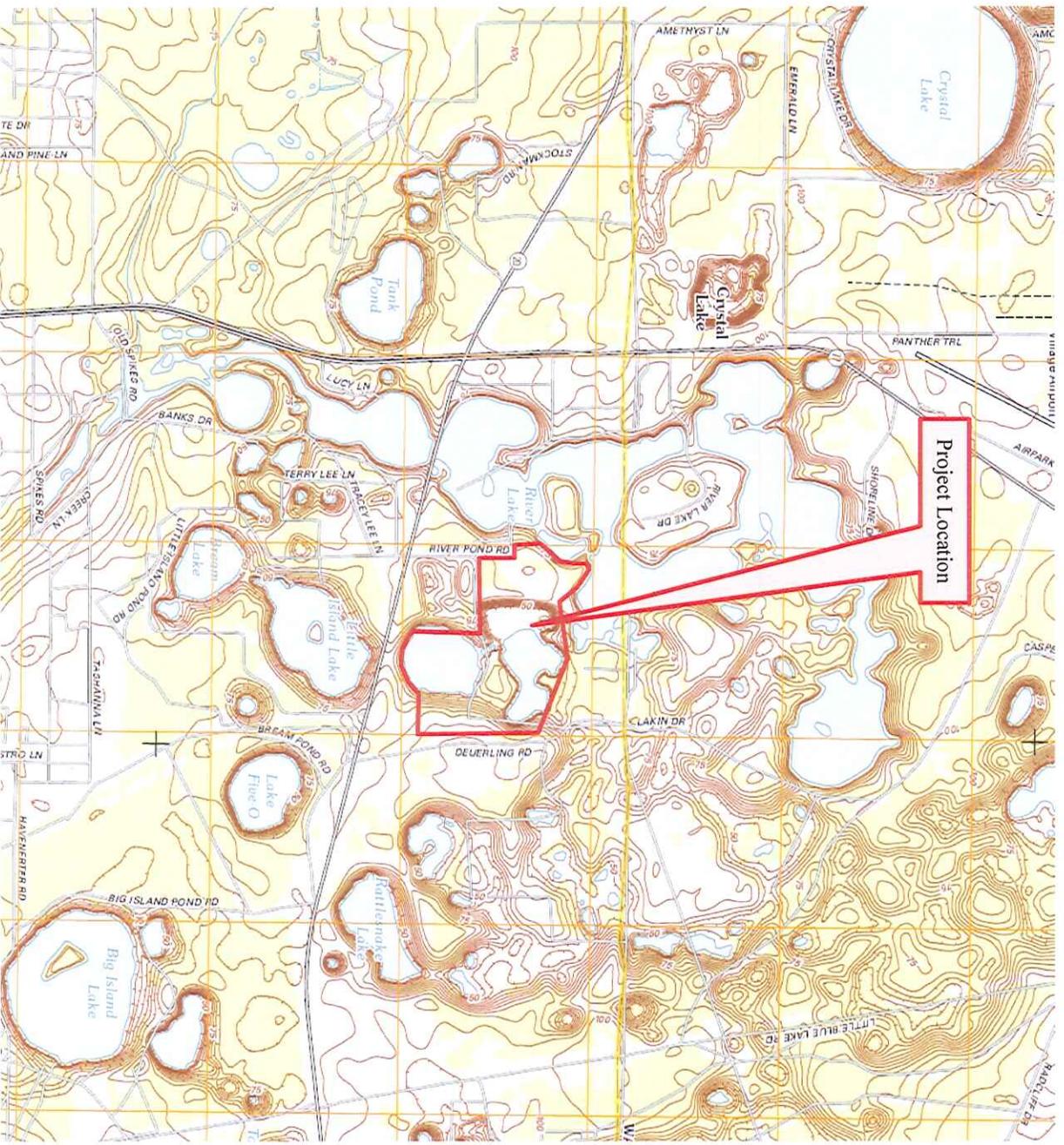
Longitude: W85° 40' 20.5"

Sheet:

Section: 5 and 6 Township: 1 South

Range: 14 West

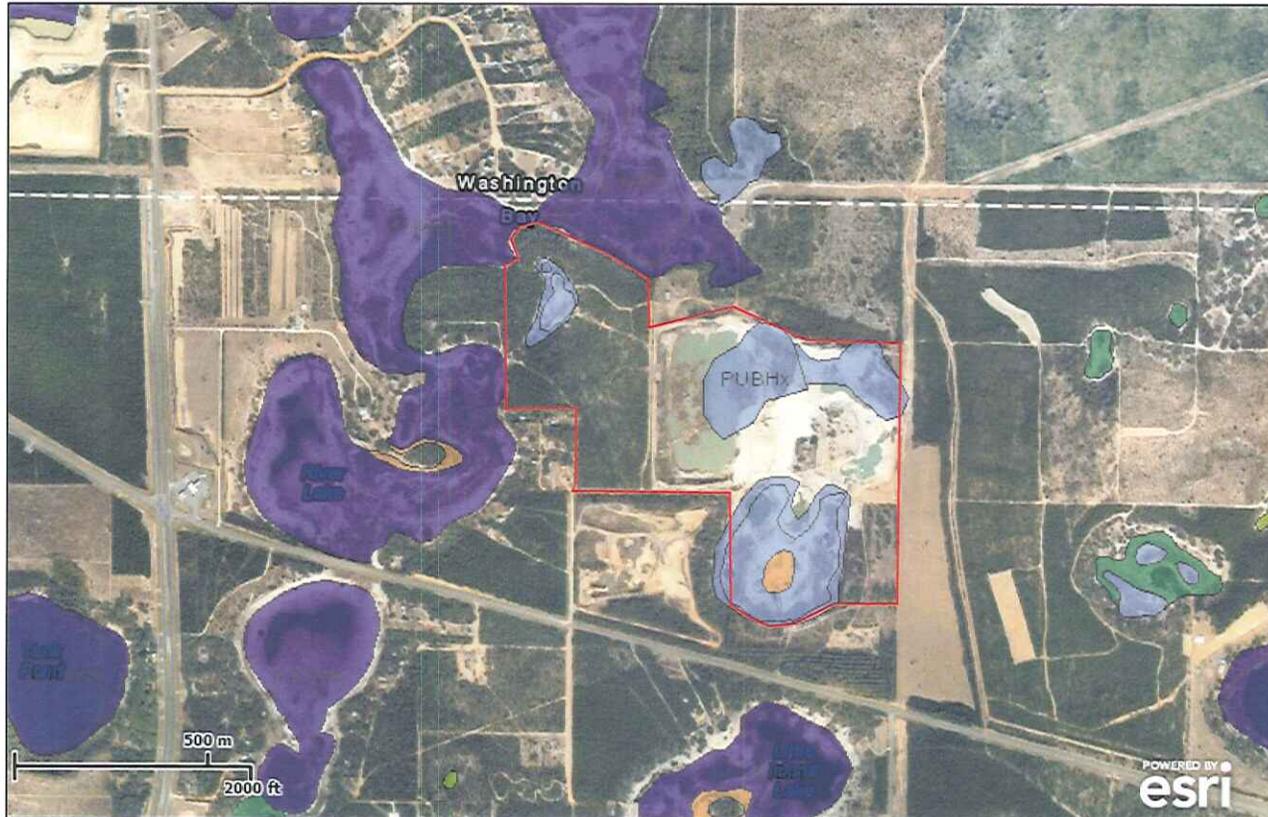
USGS TOPOGRAPHIC MAP





U.S. Fish and Wildlife Service National Wetlands Inventory

Mar 1, 2016



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

User Remarks:

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

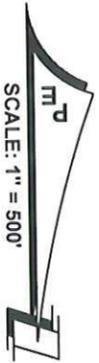
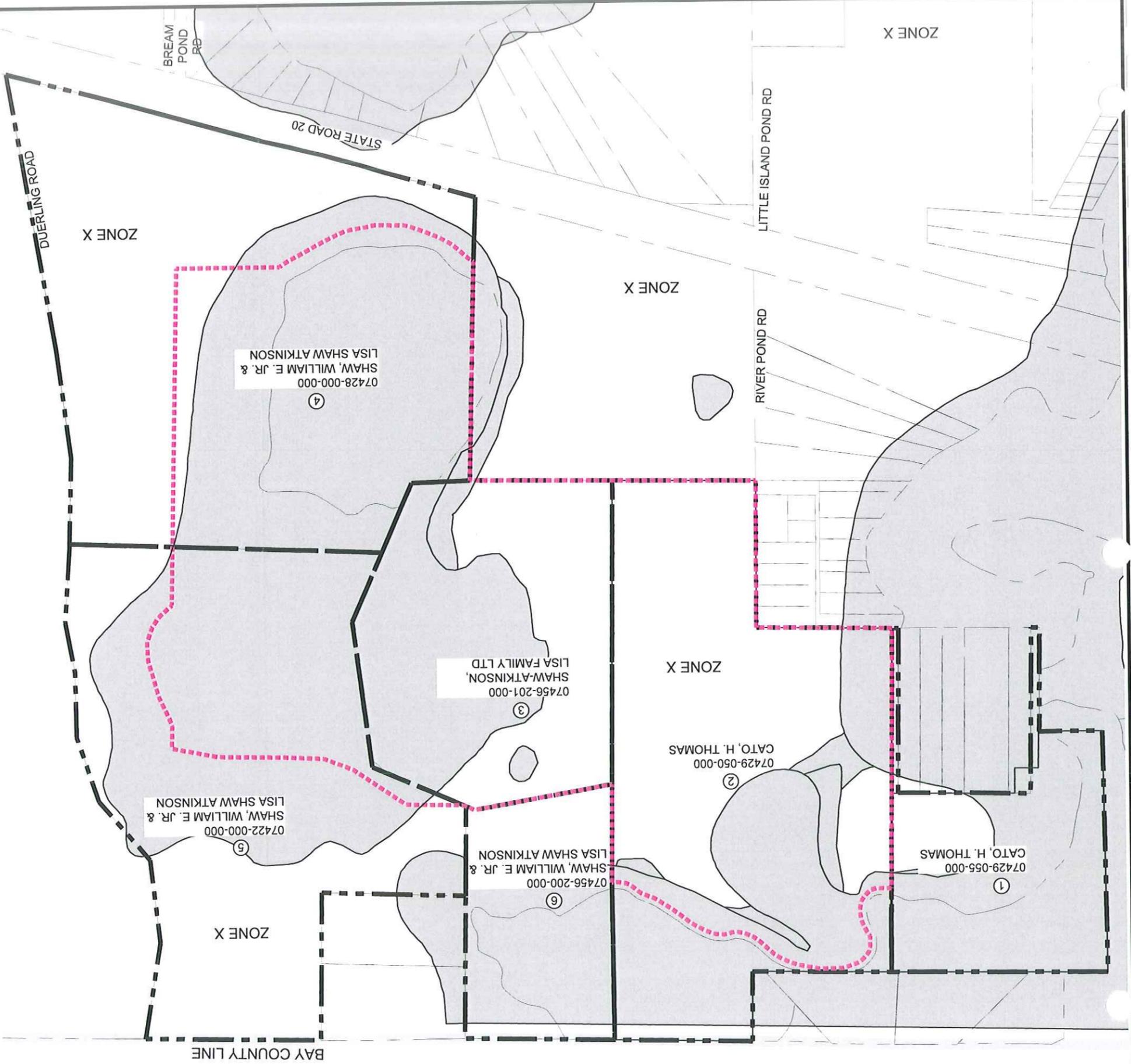


PREPARED BY: CYPRESS ENVIRONMENTAL OF BAY COUNTY, LLC

APPLICANT/CLIENT: Couch Aggregates
WATERBODY/CLASS: Isolated Wetlands
PURPOSE: Environmental Assessment
PROJECT LOCATION / USGS: River Pond Rd/Crystal Lake
LATITUDE: N30° 26' 01.6"
LONGITUDE: W85° 40' 20.5"
SECTION: 5 & 6 TOWNSHIP: 1 South RANGE: 14 West

JOB: 104.26
DEP/WMD:MMR_0223204-001
COE: SAJ-2016-01022
OTHER:
DATE: August 1, 2016
SHEET:





LEGEND

- FEMA FLOOD ZONE 'A'
- ERP PERMIT BOUNDARY
- OWNER PROPERTY LINE

RECEIVED
MAR 28 2016
NWFWMID

DPR CERTIFICATION #EB-7806

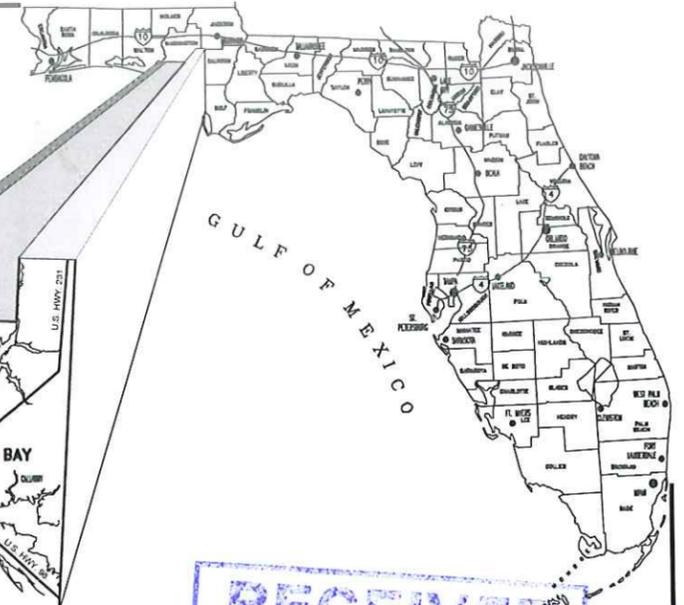
F2

FEMA FLOOD MAP
EXPANSION OF EXISTING SAND MINE
COUCH AGGREGATES, LLC
BAY COUNTY, FLORIDA

PANHANDLE ENGINEERING, INC.
ENVIRONMENTAL ENGINEERS • CIVIL ENGINEERS • LAND PLANNERS
3005 South Highway 77 Lynn Haven, Florida 32444
(850)763-5200 Fax (850)763-9730 pe@panhandleengineering.com

CAD FILE: 127001e1.dwg
DWN BY: jdm
DATE: MARCH 2016
SHEET NO: F2 OF
PROJECT NUMBER
127001

ENVIRONMENTAL RESOURCE PERMIT FOR EXPANSION OF EXISTING SAND MINE CATO S.R. 20 SAND PIT & SHAW PANAMA SAND MINE BAY COUNTY, FLORIDA



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MAR 28 2016
NWFWM

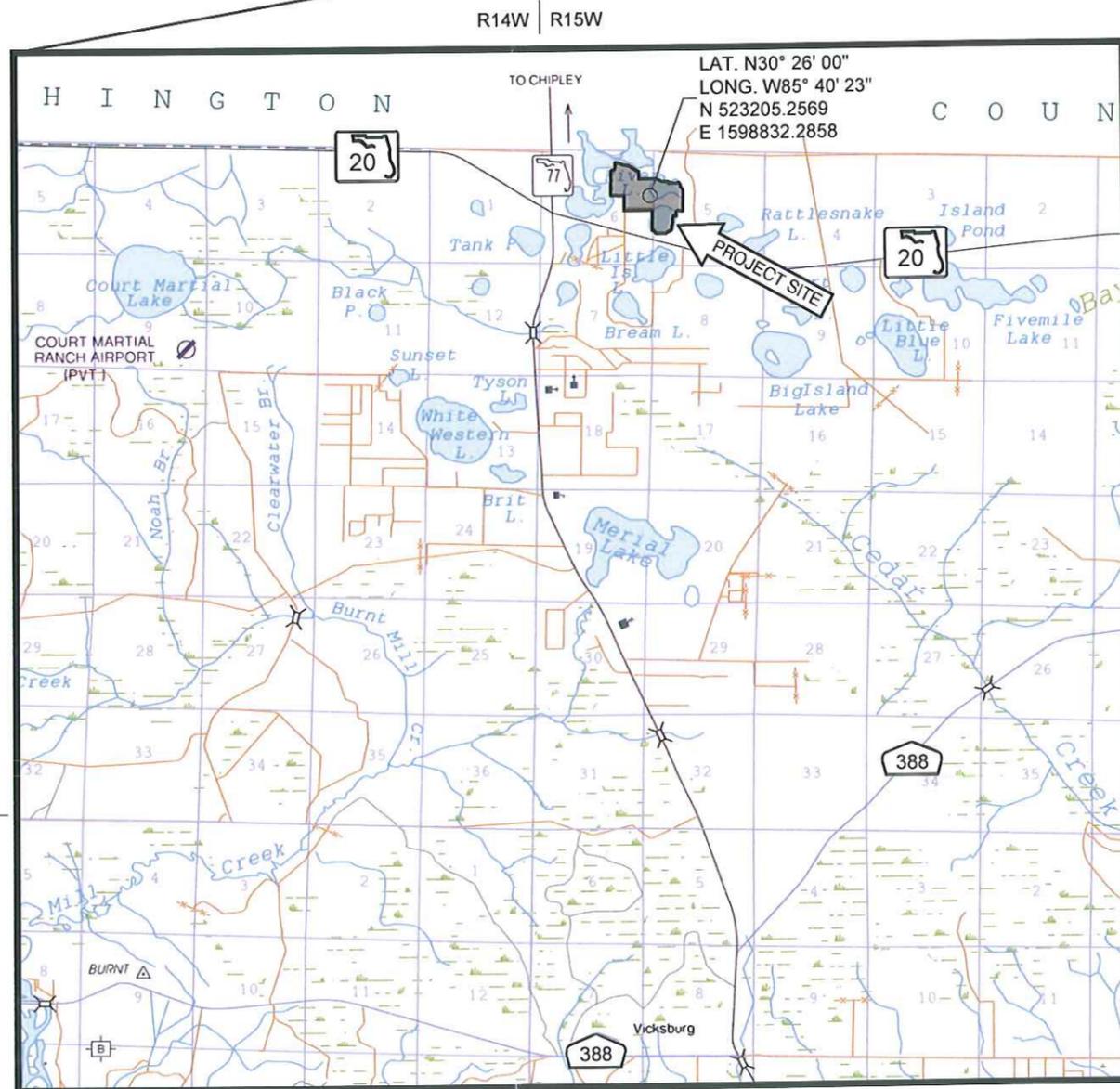
MARCH 2016
PROJECT #127001

SCALE: 1" = 8,000'

PREPARED FOR:

COUCH
AGGREGATES LLC

ADDRESS
P.O. BOX 8648
DOTHAN, AL 36304
(334) 673-8233



R14W | R15W
VICINITY MAP

DRAWING INDEX

- No. - TITLE
- 1 - PROPERTY OWNER MAP
 - 2 - ERP PROJECT BOUNDARY MAP WITH AERIAL
 - 3 - ERP PROJECT BOUNDARY MAP
 - 4 - EXISTING SITE TOPO AND FEATURES
 - 5 - POST-DEVELOPMENT GRADING PLAN
 - 6 - MINING AND CONSTRUCTION PLAN
 - 7 - TYPICAL CROSS SECTIONS SHEET 1 OF 2
 - 8 - TYPICAL CROSS SECTIONS SHEET 2 OF 2
 - 9 - FINAL GRADING & RECLAMATION PLAN
 - 10 - EROSION CONTROL NOTES & DETAILS

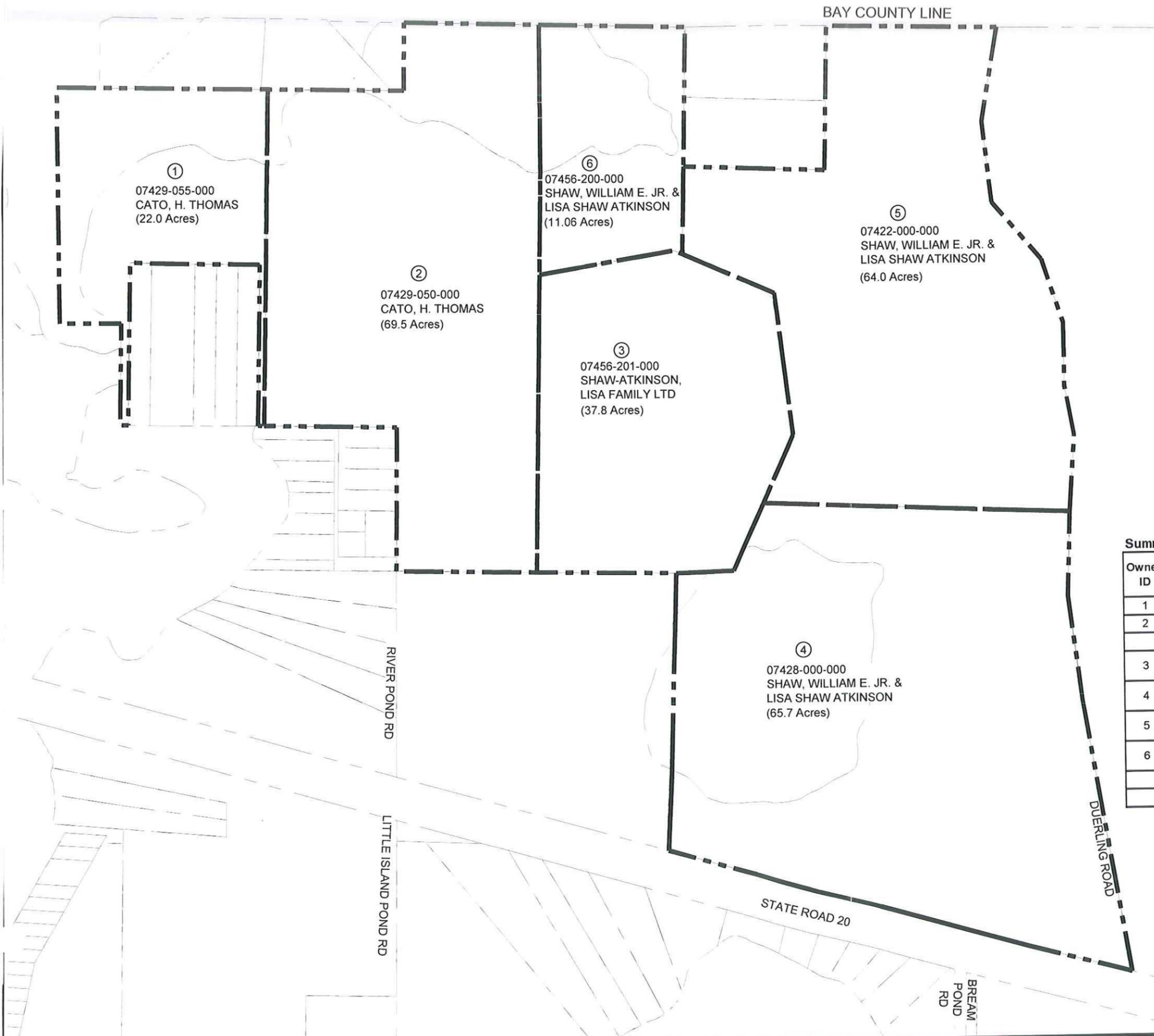
PREPARED BY:

PANHANDLE
ENGINEERING, INC.

ENVIRONMENTAL ENGINEERS • CIVIL ENGINEERS LAND PLANNERS
3005 South Highway 77 Lynn Haven, Florida 32444
(850)763-5200 Fax (850)769-0730 pe@panhandleengineering.com



127001 EXPANSION OF EXISTING SAND MINE COVER SHEET



LEGEND
 - - - - - OWNER PROPERTY LINE

Summary of Property Owners, Parcel Area, and ERP Project Areas

Owner ID	Property Appraiser Parcel ID Number	Property Owner	Total Parcel Area	ERP Permit Project Area
1	07429-055-000	Cato, H. Thomas	22.0	0.0
2	07429-050-000	Cato, H. Thomas	69.5	53.5
<i>Cato Property Subtotal =</i>			91.5	53.5
3	07456-201-000	Shaw-Atkinson, Lisa Family LTD	37.8	37.8
4	07428-000-000	Shaw, William E. Jr. & Lisa Shaw Atkinson	65.7	42.9
5	07422-000-000	Shaw, William E. Jr. & Lisa Shaw Atkinson	64.0	22.0
6	07456-200-000	Shaw, William E. Jr. & Lisa Shaw Atkinson	11.1	0.0
<i>Shaw-Atkinson Property Subtotal =</i>			178.6	102.7
ERP PROJECT AREA TOTAL				156.2



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 DWN BY: jdm
 DATE: MARCH 2016
 SHEET NO: 1 OF
 PROJECT NUMBER
 127001

PANHANDLE ENGINEERING, INC.
 ENVIRONMENTAL ENGINEERS • CIVIL ENGINEERS • LAND PLANNERS
 3005 South Highway 77 Lynn Haven, Florida 32444
 (850)763-5200 Fax: (850)769-0730 pe@panhandleengineering.com

PROPERTY OWNER MAP
EXPANSION OF EXISTING SAND MINE
COUCH AGGREGATES, LLC
 BAY COUNTY, FLORIDA



LEGEND

--- OWNER PROPERTY LINE

--- ERP PERMIT BOUNDARY

SCALE: 1" = 500'

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MAR 28 2016

NWFWMD

STEPHEN E. PRICE
 LICENSE NO. 7164616
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA

DPR CERTIFICATION #EB-7806

CAD FILE: 127001e1.dwg
 DWN BY: idm
 DATE: MARCH 2016
 SHEET NO: 2 OF
 PROJECT NUMBER
 127001

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 3005 South Highway 77 Lynn Haven, Florida 32444
 (850)763-5200 Fax (850)769-0730 pe@panhandleengineering.com

ERP PROJECT BOUNDARY MAP WITH AERIAL
 EXPANSION OF EXISTING SAND MINE
 COUCH AGGREGATES, LLC
 BAY COUNTY, FLORIDA



LEGEND

- OWNER PROPERTY LINE
- ERP PERMIT BOUNDARY
- ▨ PREVIOUSLY MINED AREA

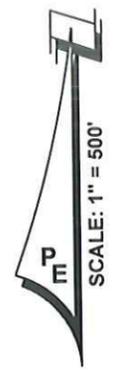
Summary of ERP Project Areas

Owner ID	Property Appraiser Parcel ID Number	Property Owner	ERP Permit Project Area	Previously Mined Area
1	07429-055-000	Cato, H. Thomas	0.0	0.0
2	07429-050-000	Cato, H. Thomas	53.5	3.5
<i>Cato Property Subtotal =</i>			53.5	3.5
3	07456-201-000	Shaw-Atkinson, Lisa Family LTD	37.8	37.8
4	07428-000-000	Shaw, William E. Jr. & Lisa Shaw Atkinson	42.9	42.9
5	07422-000-000	Shaw, William E. Jr. & Lisa Shaw Atkinson	22.0	22.0
6	07456-200-000	Shaw, William E. Jr. & Lisa Shaw Atkinson	0.0	0.0
<i>Shaw-Atkinson Property Subtotal =</i>			102.7	102.7
ERP PROJECT AREA TOTALS			156.2	106.2

RECEIVED
MAR 28 2016
NWFWM D



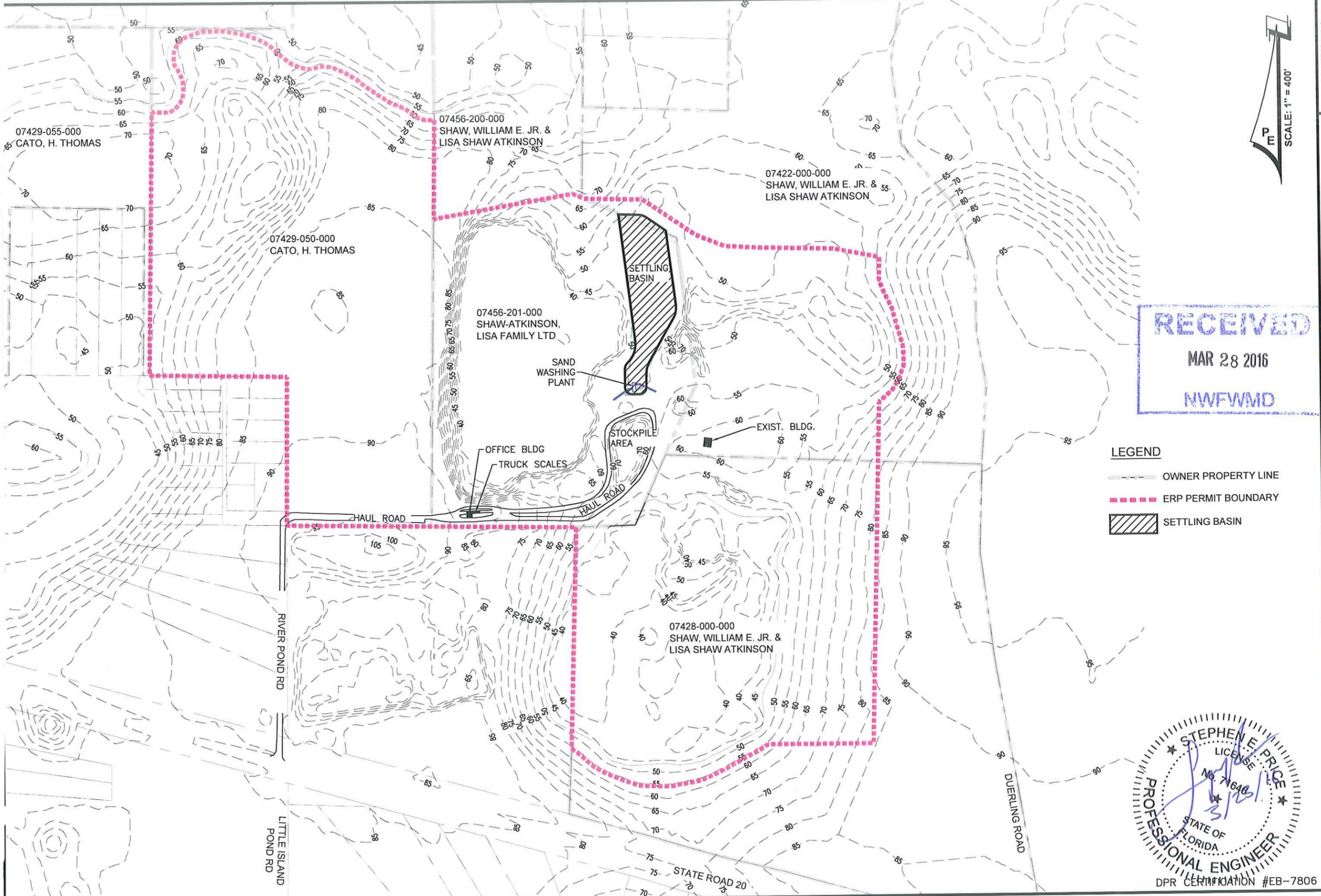
DPR CERTIFICATION #EB-7806



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DWN BY: jdm
DATE: MARCH 2016
SHEET NO: 3 OF
PROJECT NUMBER
127001

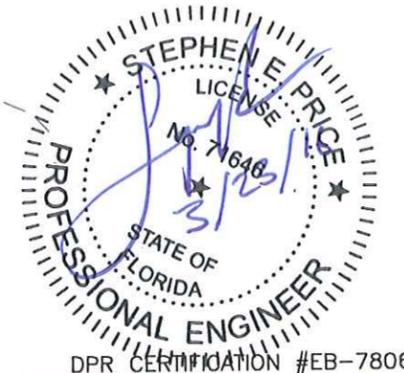
PANHANDLE ENGINEERING, INC.
ENVIRONMENTAL ENGINEERS • CIVIL ENGINEERS • LAND PLANNERS
3005 South Highway 77 Lynn Haven, Florida 32444
(850)763-5200 Fax (850)769-0730 pe@panhandleengineering.com

ERP PROJECT BOUNDARY MAP
EXPANSION OF EXISTING SAND MINE
COUCH AGGREGATES, LLC
BAY COUNTY, FLORIDA



RECEIVED
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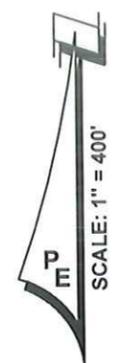
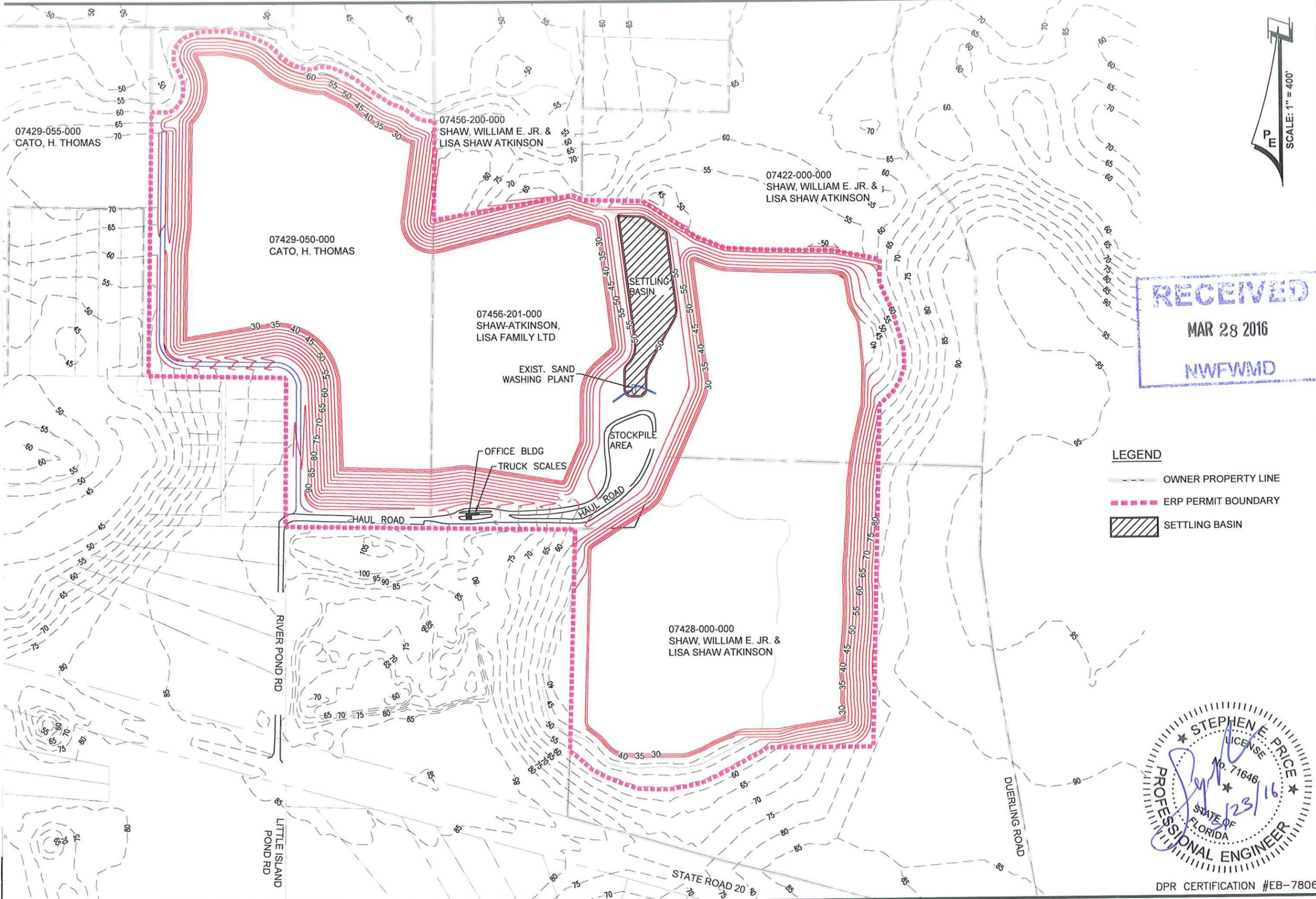
- LEGEND**
- OWNER PROPERTY LINE
 - ERP PERMIT BOUNDARY
 - ▨ SETTLING BASIN



CAD FILE: 127001e1.dwg
DWN BY: jdm
DATE: MARCH 2016
SHEET NO: 4 OF
PROJECT NUMBER 127001

PANHANDLE ENGINEERING, INC.
 ENVIRONMENTAL ENGINEERS • CIVIL ENGINEERS • LAND PLANNERS
 3005 South Highway 77 Lynn Haven, Florida 32444
 (850) 763-5200 Fax: (850) 769-0730 pe@panhandleengineering.com

EXISTING SITE TOPO AND FEATURES
EXPANSION OF EXISTING SAND MINE
COUCH AGGREGATES, LLC
 BAY COUNTY, FLORIDA



RECEIVED
 MAR 28 2016
 NWFWM

- LEGEND**
- OWNER PROPERTY LINE
 - ERP PERMIT BOUNDARY
 - SETTLING BASIN

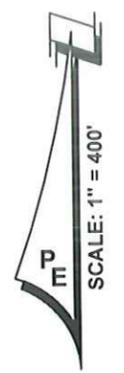
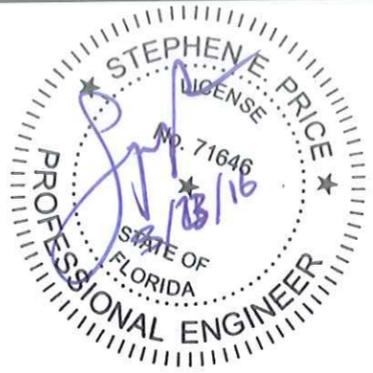
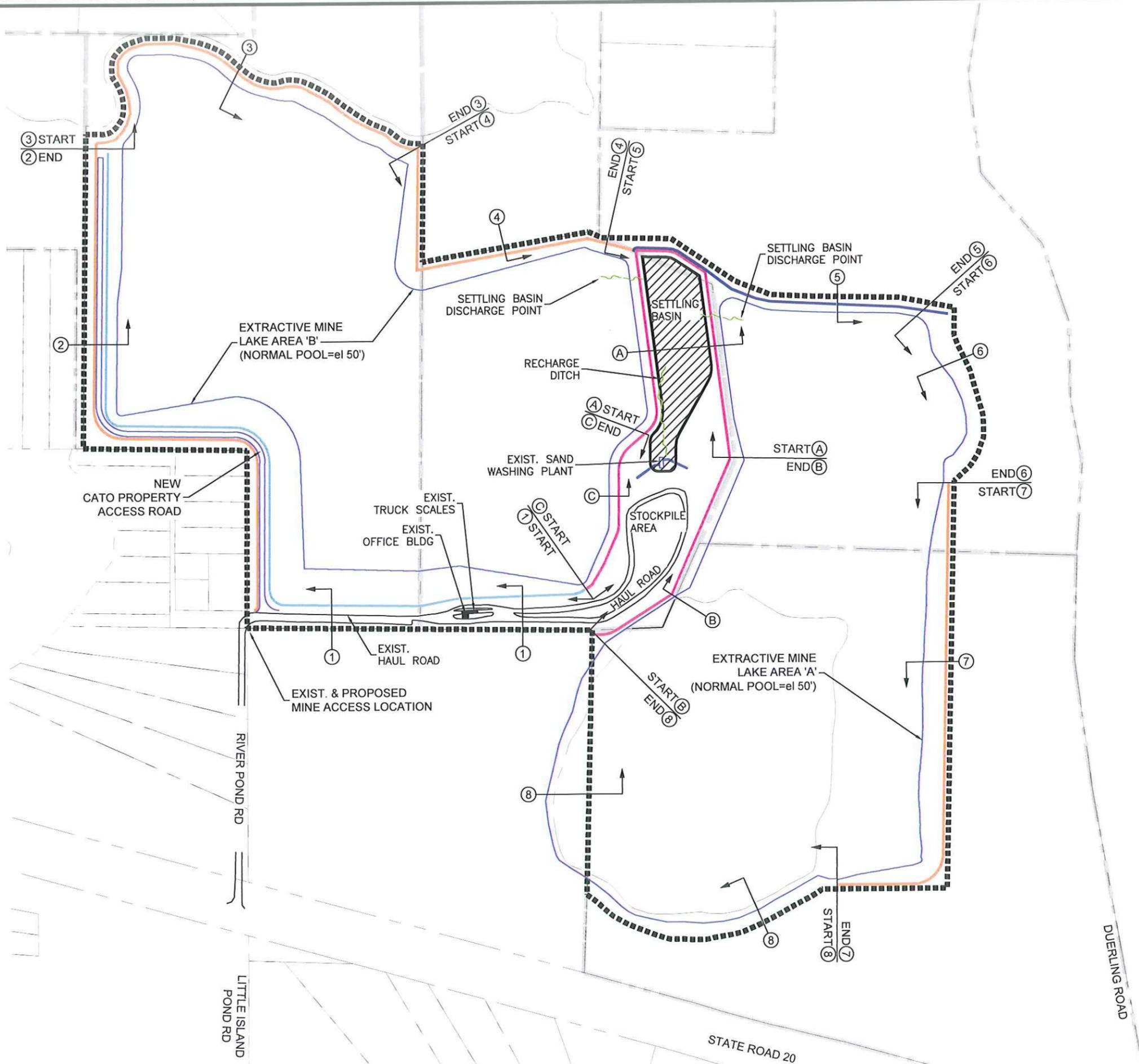


DPR CERTIFICATION #EB-7806

CAD FILE: 127001e1.dwg
DWN BY: jdm
DATE: MARCH 2016
SHEET NO: 5 OF
PROJECT NUMBER 127001

PANHANDLE ENGINEERING, INC.
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POST-DEVELOPMENT GRADING PLAN
EXPANSION OF EXISTING SAND MINE
COUCH AGGREGATES, LLC
 BAY COUNTY, FLORIDA



LEGEND

- (X) TYPICAL SECTION (SEE SHEETS 7 & 8)
- OWNER PROPERTY LINE
- ERP PERMIT BOUNDARY
- PERIMETER BERM
- ACCESS ROAD SAND MINE BERM
- PROCESSING AREA BERM
- LOW AREA SAND MINE BERM
- SETTLING BASIN AREA (50' CONTOUR)
- EXTRACTIVE MINE LAKE (50' CONTOUR)

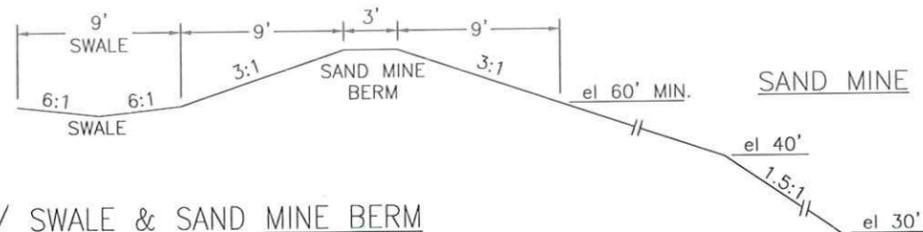
- ① HAUL ROAD W/SWALE & SAND MINE BERM
- ② NEW CATO ROAD W/SWALE, & SAND MINE BERM
- ③ PERIMETER BERM W/30' EXIST. LAKE BUFFER
- ④ SAND MINE BERM
- ⑤ SAND MINE BERM - LOW AREA
- ⑥ EXISTING MINE LAKE W/ DEEPER EXCAVATION
- ⑦ PERIMETER BERM W/10' POWER EASEMENT BUFFER
- ⑧ EXISTING MINE LAKE W/ DEEPER EXCAVATION
- (A) SETTLING BASIN AREA BERM
- (B) STOCKPILE PROCESSING AREA BERM
- (C) STOCKPILE PROCESSING AREA BERM

NOTE:
 1. EROSION SEDIMENT CONTROLS AND BERMS SHALL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING ANY PORTIONS OF THE SITE WHERE OFF-SITE SEDIMENTATION AND / OR OFFSITE STORMWATER DISCHARGE MAY OCCUR.

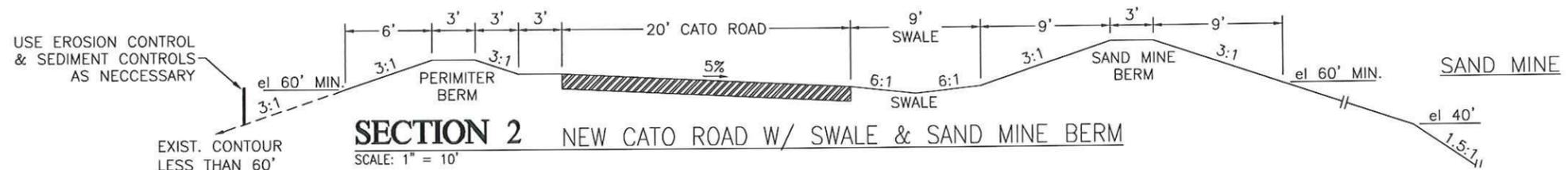
CAD FILE: 127001e1.dwg
 DWN BY: jdm
 DATE: MARCH 2016
 SHEET NO: 6 OF
 PROJECT NUMBER
 127001

PANHANDLE ENGINEERING, INC.
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 (850)763-5200 Fax (850)765-0730 pe@panhandleengineering.com

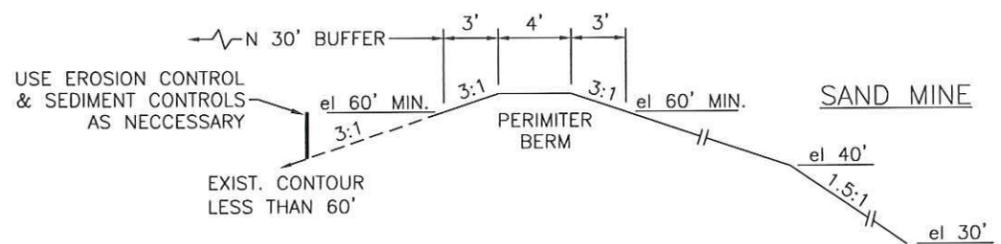
**MINING AND CONSTRUCTION PLAN
 EXPANSION OF EXISTING SAND MINE
 COUCH AGGREGATES, LLC
 BAY COUNTY, FLORIDA**



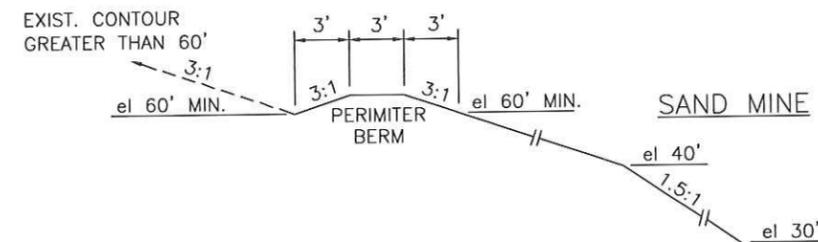
SECTION 1 EXISTING HAUL ROAD W/ SWALE & SAND MINE BERM
SCALE: 1" = 10'



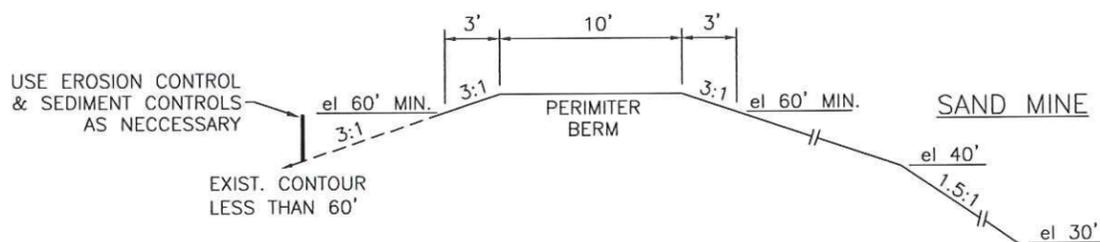
SECTION 2 NEW CATO ROAD W/ SWALE & SAND MINE BERM
SCALE: 1" = 10'



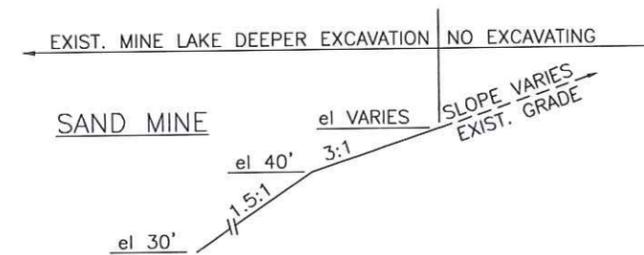
SECTION 3 PERIMETER BERM W/30' NATURAL BUFFER
SCALE: 1" = 10'



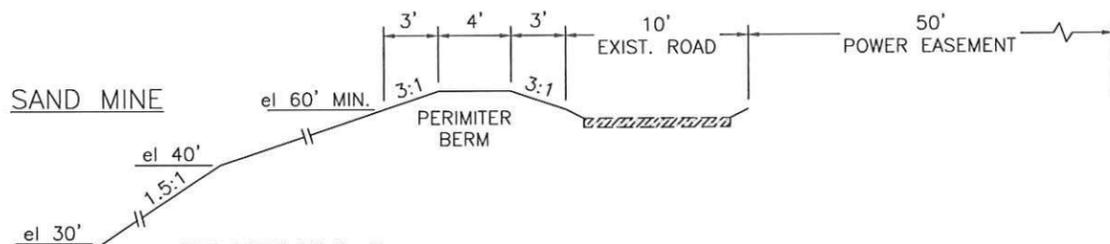
SECTION 4 SAND MINE BERM
SCALE: 1" = 10'



SECTION 5 SAND MINE BERM - LOW AREA
SCALE: 1" = 10'



SECTION 6 & 8 EXISTING MINE LAKE W/DEEPER EXCAVATION
SCALE: 1" = 10'



SECTION 7 PERIMETER BERM W/10' POWER EASEMENT BUFFER
SCALE: 1" = 10'

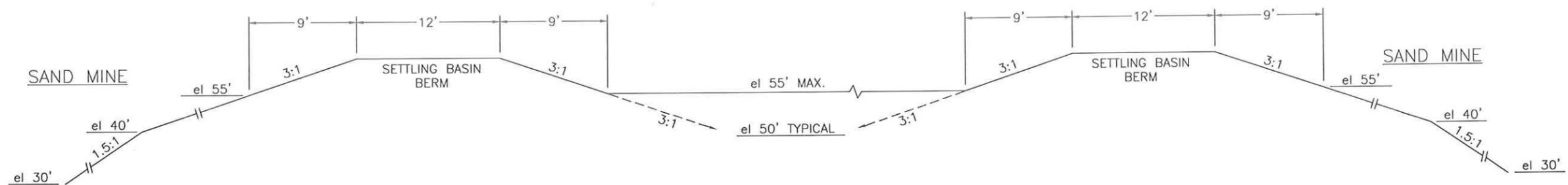


DPR CERTIFICATION #EB-7806

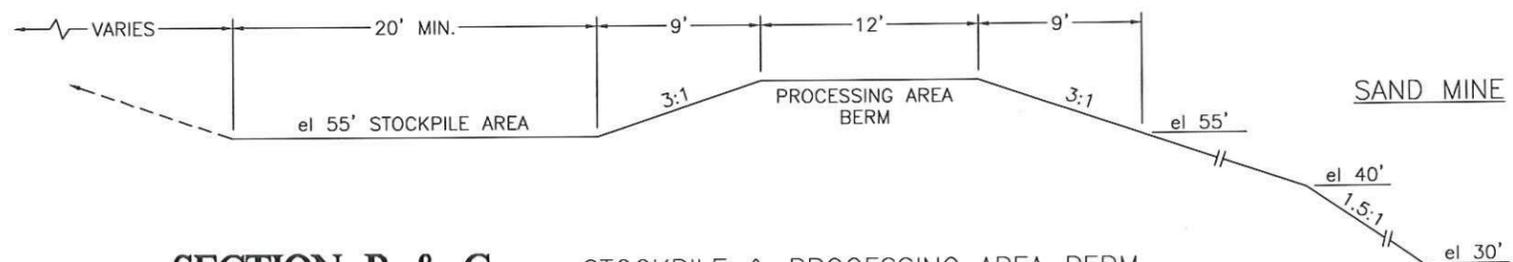
CAD FILE: 127001e1.dwg
DWN BY: jdm
DATE: MARCH 2016
SHEET NO: 7 OF
PROJECT NUMBER 127001

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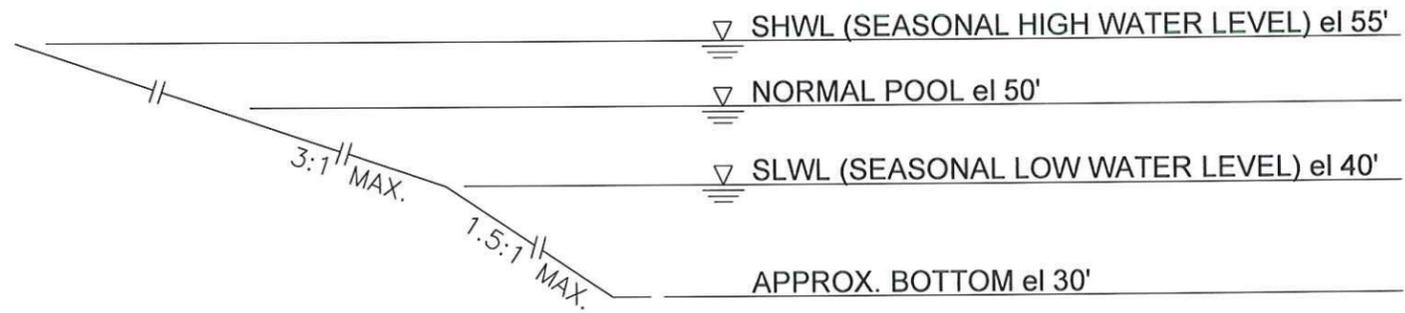
TYPICAL CROSS SECTIONS SHEET 1 OF 2
EXPANSION OF EXISTING SAND MINE
COUCH AGGREGATES, LLC
BAY COUNTY, FLORIDA



SECTION A SETTLING BASIN AREA BERM
SCALE: 1" = 10'

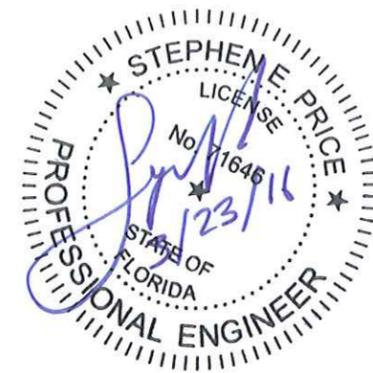


SECTION B & C STOCKPILE & PROCESSING AREA BERM
SCALE: 1" = 10' (SECTION C IS A MIRROR IMAGE)



SAND MINE WATER LEVELS
N.T.S.

RECEIVED
MAR 28 2016
NWF-WMD



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TYPICAL CROSS SECTIONS SHEET 2 OF 2
EXPANSION OF EXISTING SAND MINE
COUCH AGGREGATES, LLC
BAY COUNTY, FLORIDA



SCALE: 1" = 500'

- LEGEND**
- OWNER PROPERTY LINE
 - - - - ERP PERMIT BOUNDARY
 - █ EXTRACTIVE MINE LAKE (NORMAL POOL el = 50' CONTOUR)

- NOTES:**
1. SILT FENCING AND OTHER EROSION CONTROL MEASURES SHALL BE UTILIZED WHERE LAND IS DISTURBED AND UNTIL RE-ESTABLISHED.
 2. AFTER ALL MINING ACTIVITIES ARE COMPLETE, ALL UNEXCAVATED AND DISTURBED AREAS OF THE SITE INCLUDING LAKE SHORE MUST BE CONTOURED AND STABILIZED WITH NATIVE PLANTS, SOD OR GRASS SEEDING AS NECESSARY TO PREVENT AND CONTROL EROSION AND TO PROVIDE SLOPE STABILITY.
 3. RECLAMATION OF ALL AREAS DISTURBED BY MINING OPERATIONS SHALL BE INITIATED AND COMPLETED PER THE FDEP BUREAU OF MINING AND MINERALS REGULATION "RECLAMATION PERFORMANCE STANDARDS".

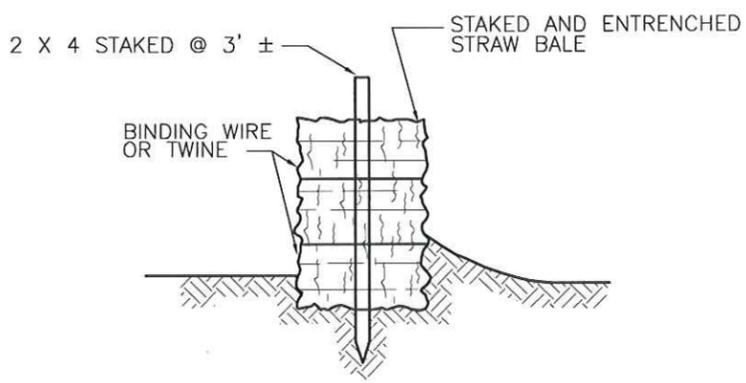


DPR CERTIFICATION #EB-7806

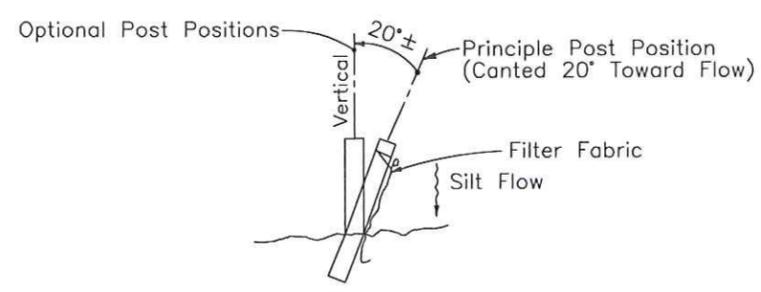
CAD FILE: 127001e1.dwg
DWN BY: jdm
DATE: MARCH 2016
SHEET NO: 9 OF
PROJECT NUMBER 127001

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 3005 South Highway 77 Lynn Haven, Florida 32444
 (850)763-3200 Fax (850)769-0730 pe@panhandleengineering.com

FINAL GRADING & RECLAMATION PLAN
EXPANSION OF EXISTING SAND MINE
COUCH AGGREGATES, LLC
 BAY COUNTY, FLORIDA

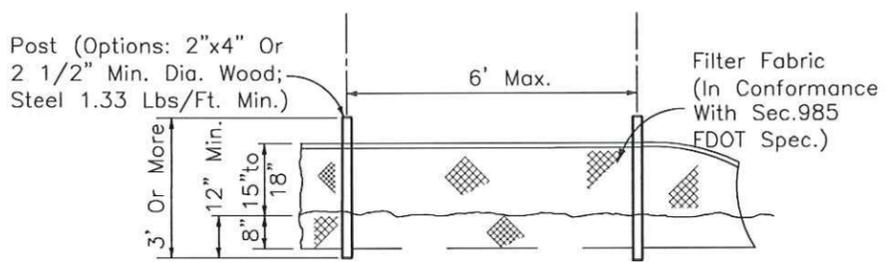


STRAW BALE BARRIER INSTALLATION DETAIL
NOT TO SCALE



SECTION

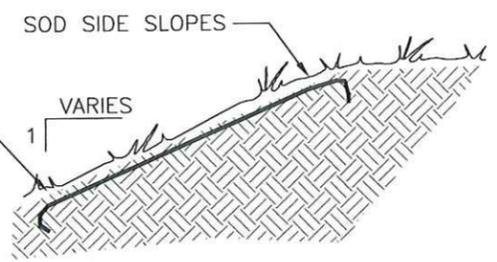
Note: Silt Fence to be paid for under the contract unit price for Staked Silt Fence (LF).



ELEVATION

TYPE III SILT FENCE
NOT TO SCALE

EROSION CONTROL BLANKET #2010-01 BY EROSION CONTROL SYSTEMS. (1-800-641-3277) UNDER SOD ANCHORED WITH 6" SOD STAPLES.



NOTE: TO BE INSTALLED WHERE INDICATED ON PLANS.

SLOPE STABILIZATION DETAIL
NOT TO SCALE

- EROSION AND SEDIMENT CONTROL NOTES:
1. PRIOR TO, DURING CONSTRUCTION, AND UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED AFTER CONSTRUCTION, EROSION AND SEDIMENT CONTROL MEASURES REQUIRED TO RETAIN SEDIMENT ON-SITE SHALL BE IMPLEMENTED AS NECESSARY AND AS DIRECTED BY THE ERP PERMIT.
 2. ALL SILT FENCE AND OTHER EROSION CONTROL MEASURES IMPLEMENTED ON-SITE SHALL BE INSPECTED ON A WEEKLY BASIS. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED AND BARRIER BREACHES/DAMAGE SHALL BE REPAIRED UPON INSPECTION.
 3. UNLESS NOTED OTHERWISE NO CONSTRUCTION ACTIVITY OR OTHER DISTURBANCE SHALL OCCUR IN OR WITHIN 25-FOOT WETLANDS AND OTHER SURFACE WATERS PRESENT ON AND/OR ADJACENT TO THE SITE. THE 25-FOOT BUFFER AROUND THESE RESOURCES SHALL BE CLEARLY IDENTIFIED IN THE FIELD USING WOODEN STAKES AND FLAGGING AT A 50-FOOT OR SHORTER LATERAL INTERVAL.
 4. ALL EROSION AND SEDIMENT CONTROLS SHALL BEST MANAGEMENT PRACTICES SHALL BE IN ACCORDANCE TO CURRENT FLORIDA STORMWATER, EROSION, AND SEDIMENT CONTROL REQUIREMENTS.
 5. IN ADDITION TO THE EROSION CONTROL MEASURES DEPICTED ON THESE PLANS, SILT FENCE, EROSION CONTROL BLANKETS, MULCH, SEDIMENT TRAPS, TEMPORARY GRASS SEED, PERMANENT SOD, AND FLOATING TURBIDITY BARRIER MAY BE REQUIRED TO RETAIN SEDIMENT ON-SITE AND PREVENT VIOLATIONS OF STATE WATER QUALITY STANDARDS.
 6. THE MINING CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING ALL EROSION & SEDIMENT CONTROL MEASURES ON-SITE. ALL CONTRACTOR PERSONNEL ASSOCIATED WITH THE PROJECT SHALL BE INSTRUCTED TO ADHERE TO BEST MANAGEMENT PRACTICES CITED ABOVE AND ALL CONDITIONS OF THE ERP PERMIT.



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EROSION CONTROL NOTES & DETAILS
EXPANSION OF EXISTING SAND MINE
COUCH AGGREGATES, LLC
BAY COUNTY, FLORIDA

PREPARED BY: CYPRESS ENVIRONMENTAL

Client / Applicant: **State Road 20 Sand Pit**
Waterbody / Class:
Purpose: **Environmental Assessment**
Project Location / USGS: **River Pond Road / Crystal Lake**
Latitude: **N30° 26' 01.6"**
Longitude: **W85° 40' 20.5"**
Section: **5 and 6** Township: **1 South** Range: **14 West**

Job: **104.26**
DEP:
COE:
Other: **Multiple Parcels**
Date: **February 22, 2016**
Sheet:

AERIAL MAP

