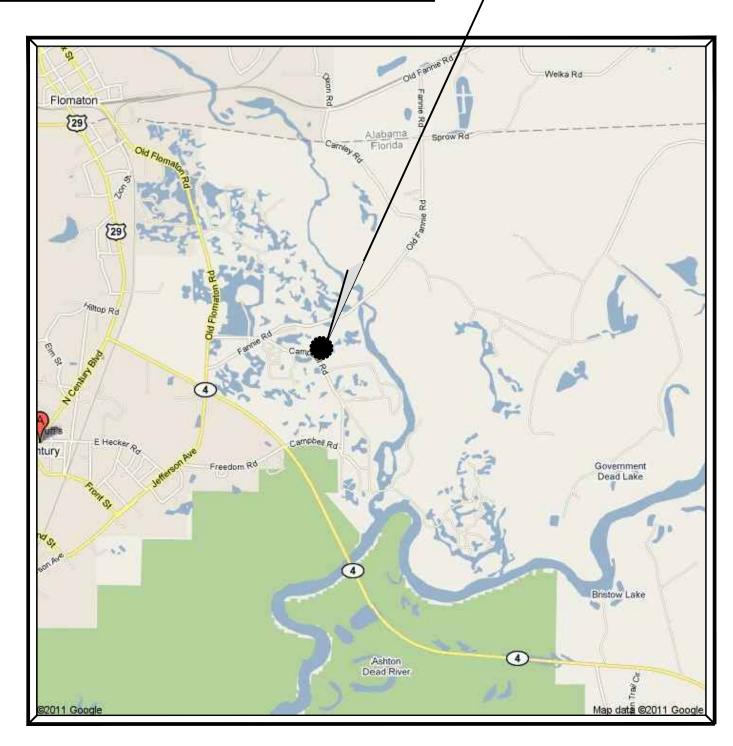
### **PERMIT PLANS FOR:**

# BIG ESCAMBIA SAND & GRAVEL MINE

### Escambia County, Century, FL

### PROJECT LOCATION



### **VICINITY MAP**

### DIRECTIONS TO LOCATE OFFICE:

LATITUDE = 30°58'50.44" THE PROJECT SITE IS LOCATED IN ESCAMBI COUNTY IN CENTURY, FL. FROM THE INTERSECTION = 4 OF N. CENTURY PKWY, AND HWY 4, TRAVEL ON HIGHWAY 4. TURN LEFT ONTO OLD FLOW RANGE = 30 WEST RD, THEN RIGHT ONTO FANNIE RD., THEN R

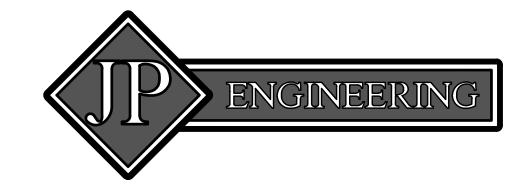
COUNTY IN CENTURY, FL. FROM THE INTERSECTION OF N. CENTURY PKWY, AND HWY 4, TRAVEL EAST ON HIGHWAY 4. TURN LEFT ONTO OLD FLOMATON RD, THEN RIGHT ONTO FANNIE RD., THEN RIGHT ONTO CAMPBELL RD. CHECK IN AT THE CAMPBELL SAND AND GRAVEL MAIN OFFICE LOCATED ON THE NORTH SIDE OF THE ROAD AT 930 CAMPBELL RD., CENTURY FL. 32535

### PREPARED FOR:

### Campbell Sand and Gravel, Inc.

930 Campbell Rd. Century, FL 32535 Contact: Wayne Sims, Manager Phone Number: (850) 243-8114

### PREPARED BY:



JP Engineering, LLC
Civil Engineering ~ Land Planning

P.O. Box 5335 ~ Niceville, FL 32578 (850) 460-7279 Matthew R. Parker P.E. ~ Florida No. 60817 Certificate of Authorization No. 27014

### **INDEX OF SHEETS**

00	Title Sheet
01	Overall Map
02	Partial Site Man

		I al viai		TVIAP
(	)3	Partial	Site	Map
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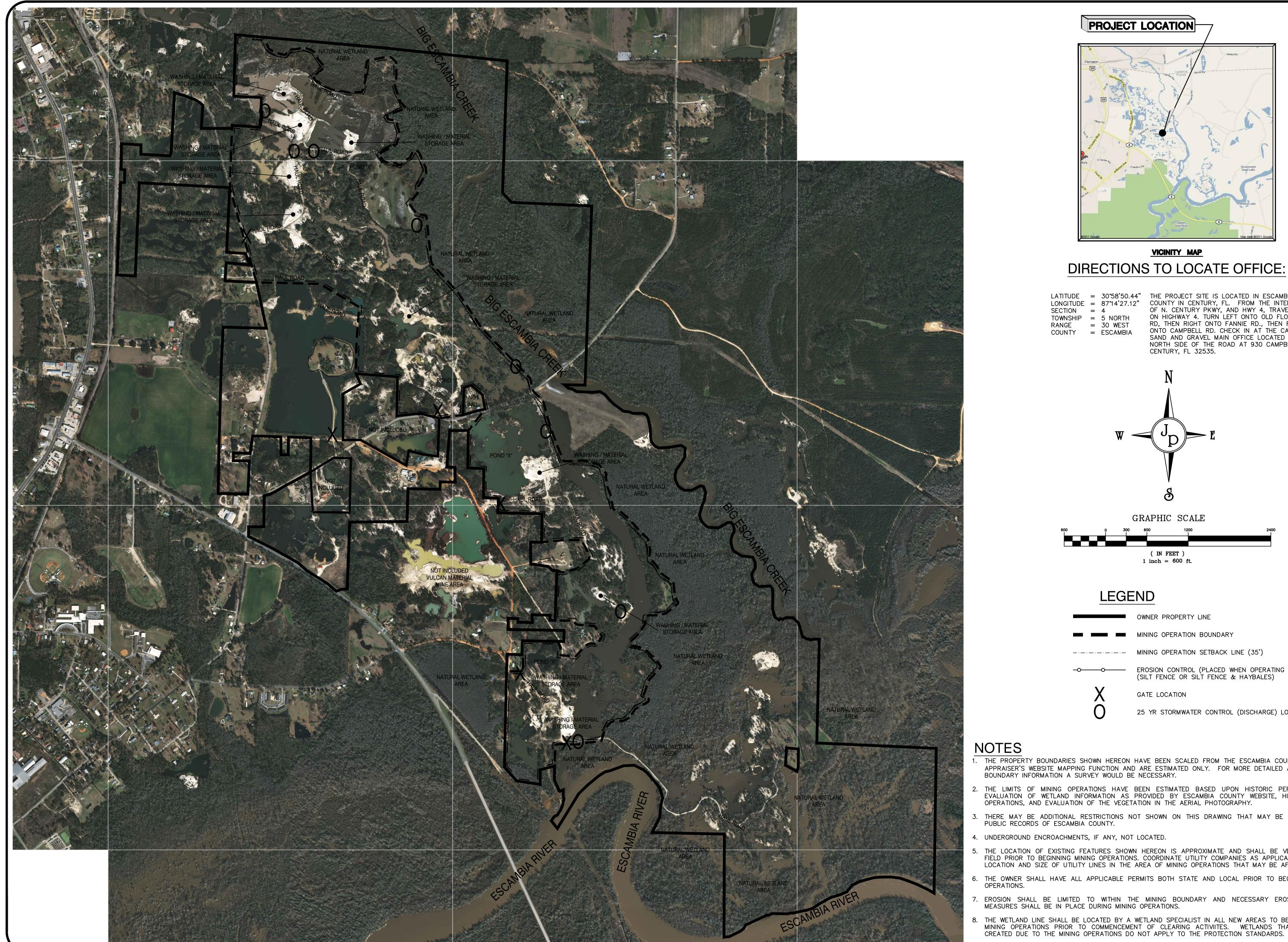
04	Partial Site Map
05	Partial Site Man

06	Contour/Stormwater Map
_	

0/	Contour/Stormwater Map
08	Contour/Stormwater Map

	, , , , , , , , , , , , , , , , , , , ,	1
09	Contour/Stormwater	Map 4

### 11..... County Zoning Map12..... County Wetlands Map



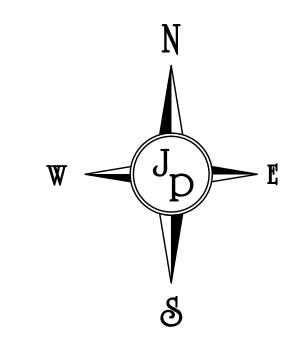
# PROJECT LOCATION

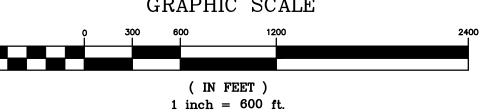
### VICINITY MAP

### DIRECTIONS TO LOCATE OFFICE:

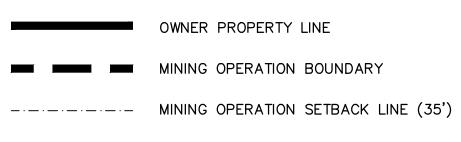
LATITUDE = 30°58′50.44″
LONGITUDE = 87°14′27.12″
SECTION = 4
TOWNSHIP = 5 NORTH
RANGE = 30 WEST
COUNTY = ESCAMBIA

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### LEGEND



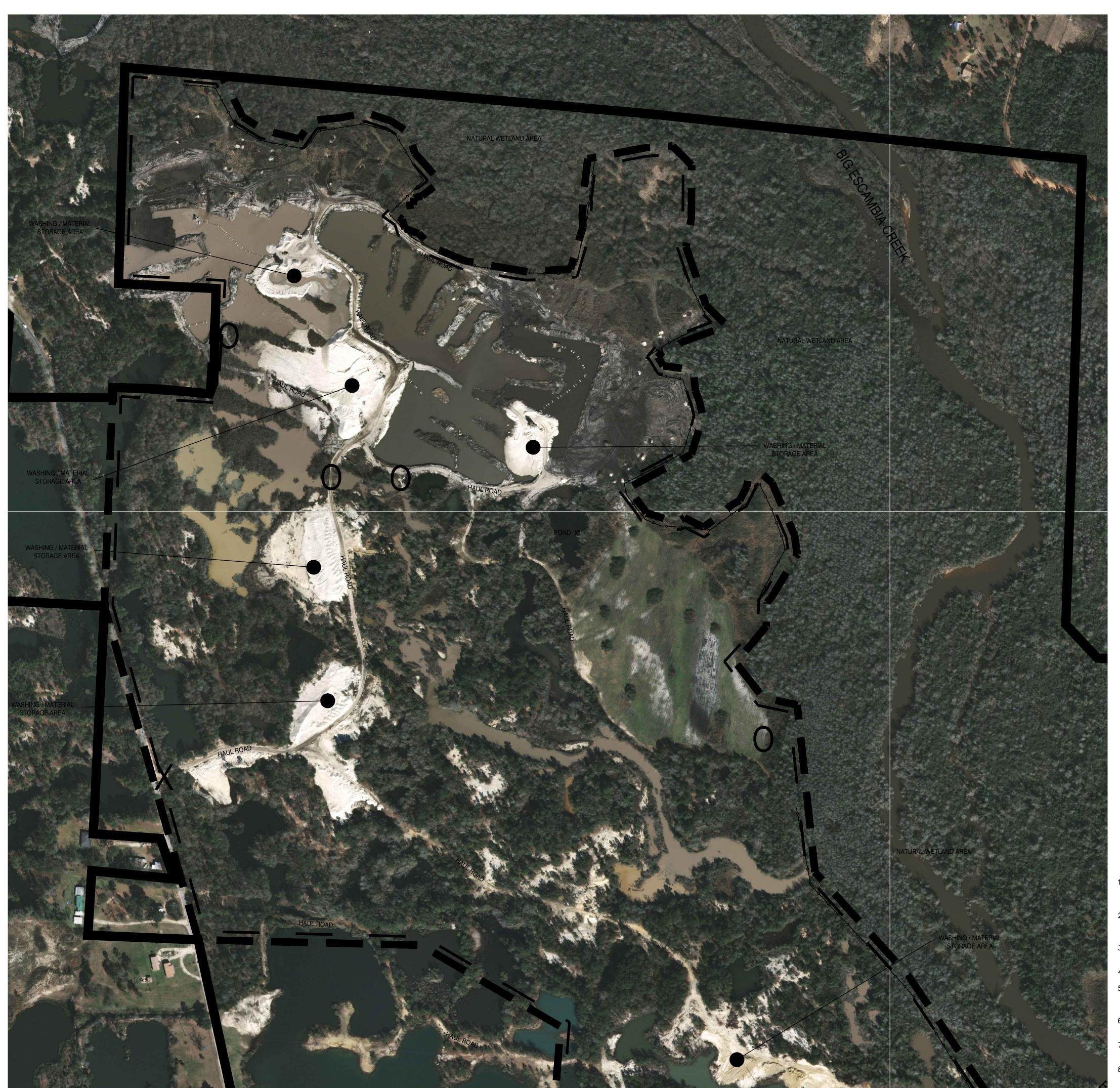
GATE LOCATION

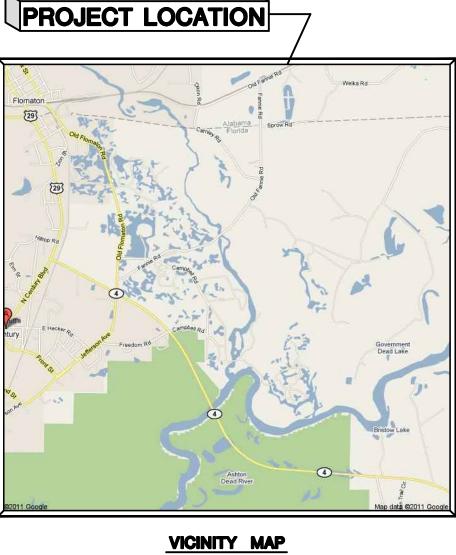
-O-O-O-EROSION CONTROL (PLACED WHEN OPERATING IN IMMEDIATE AREA)
(SILT FENCE OR SILT FENCE & HAYBALES)

25 YR STORMWATER CONTROL (DISCHARGE) LOCATION

- 1. THE PROPERTY BOUNDARIES SHOWN HEREON HAVE BEEN SCALED FROM THE ESCAMBIA COUNTY PROPERTY APPRAISER'S WEBSITE MAPPING FUNCTION AND ARE ESTIMATED ONLY. FOR MORE DETAILED AND ACCURATE BOUNDARY INFORMATION A SURVEY WOULD BE NECESSARY.
- 2. THE LIMITS OF MINING OPERATIONS HAVE BEEN ESTIMATED BASED UPON HISTORIC PERMITTED AREA, EVALUATION OF WETLAND INFORMATION AS PROVIDED BY ESCAMBIA COUNTY WEBSITE, HISTORIC MINING OPERATIONS, AND EVALUATION OF THE VEGETATION IN THE AERIAL PHOTOGRAPHY.
- 3. THERE MAY BE ADDITIONAL RESTRICTIONS NOT SHOWN ON THIS DRAWING THAT MAY BE FOUND IN THE PUBLIC RECORDS OF ESCAMBIA COUNTY.
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- 6. THE OWNER SHALL HAVE ALL APPLICABLE PERMITS BOTH STATE AND LOCAL PRIOR TO BEGINNING MINING OPERATIONS.
- 7. EROSION SHALL BE LIMITED TO WITHIN THE MINING BOUNDARY AND NECESSARY EROSION CONTROL MEASURES SHALL BE IN PLACE DURING MINING OPERATIONS.
- 8. THE WETLAND LINE SHALL BE LOCATED BY A WETLAND SPECIALIST IN ALL NEW AREAS TO BE CLEARED FOR MINING OPERATIONS PRIOR TO COMMENCEMENT OF CLEARING ACTIVITES. WETLANDS THAT HAVE BEEN

Sheet <u>02</u> of <u>1</u> DWG. NO.





### DIRECTIONS TO LOCATE OFFICE:

LATITUDE = 30°58'50.44"

LONGITUDE = 87°14'27.12"

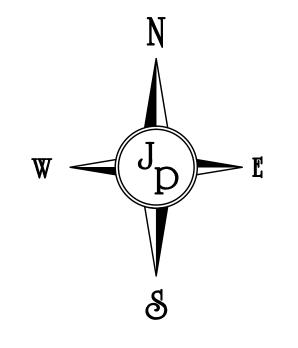
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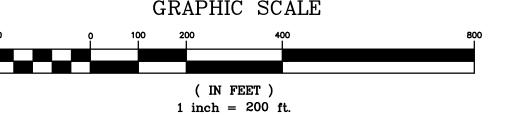
TOWNSHIP = 5 NORTH
RANGE = 30 WEST
COUNTY = ESCAMBIA

TOUNTY = ESCAMBIA

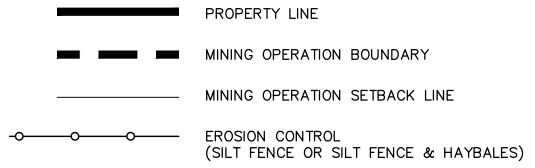
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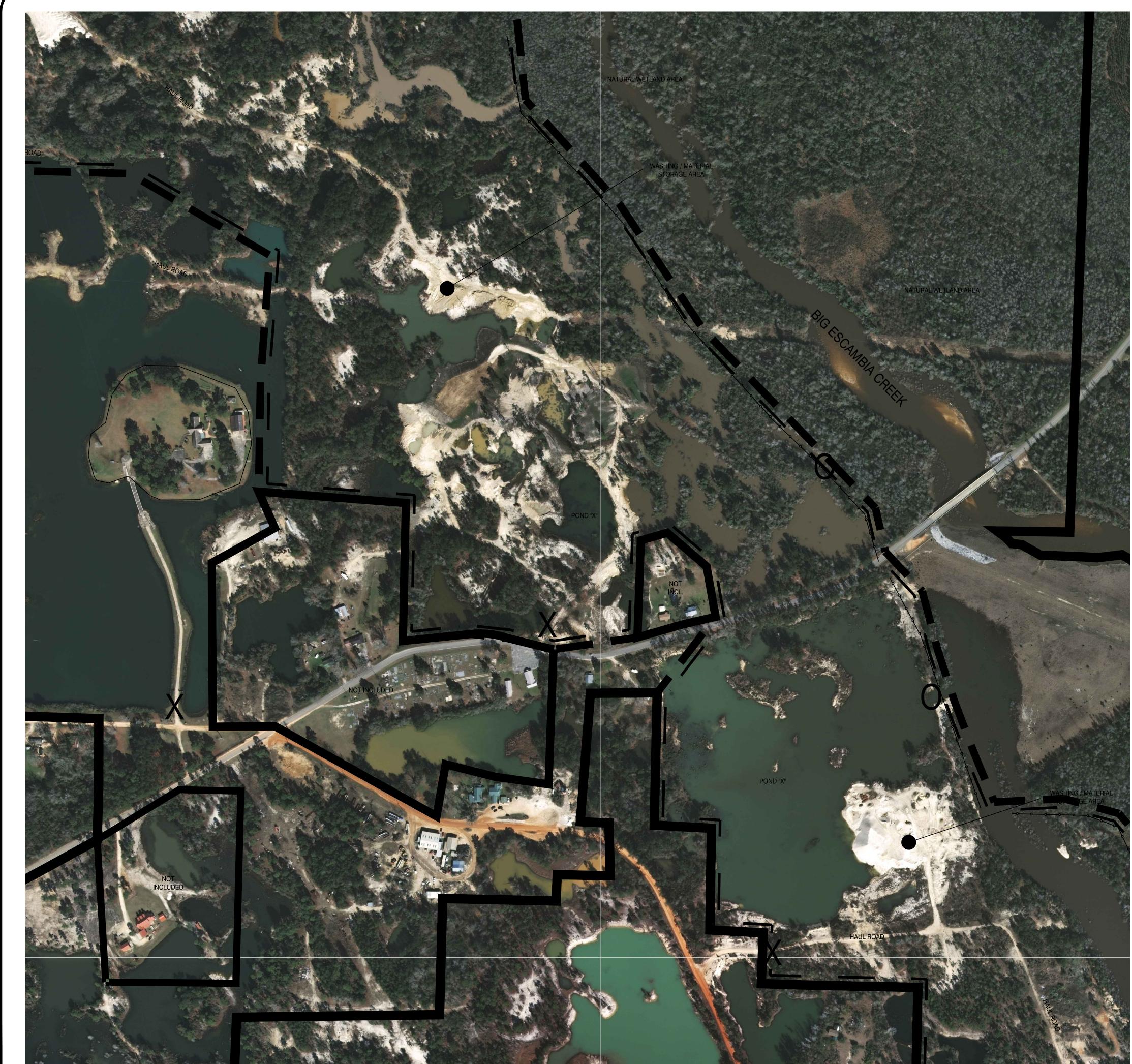
### LEGEND

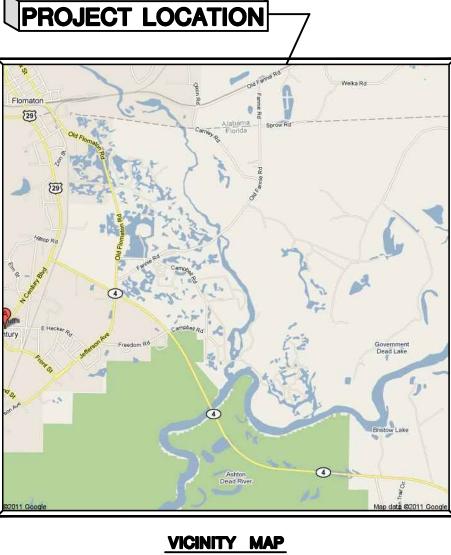


GATE LOCATION

25 YR STORMWATER CONTROL (DISCHARGE) LOCATION

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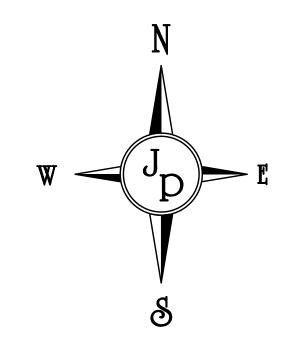


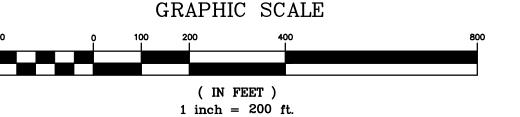


### DIRECTIONS TO LOCATE OFFICE:

LATITUDE = 30°58′50.44″
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PROPERTY LINE MINING OPERATION BOUNDARY

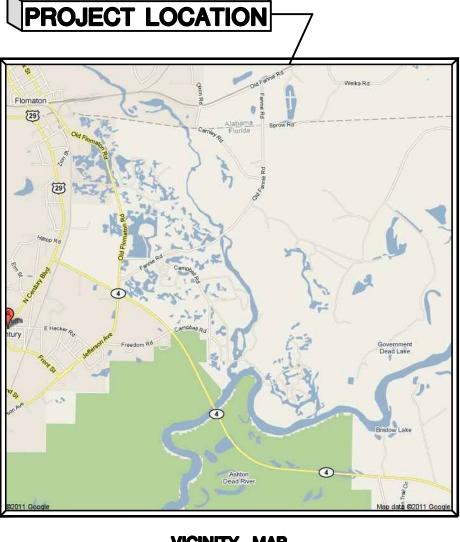
MINING OPERATION SETBACK LINE 

25 YR STORMWATER CONTROL (DISCHARGE) LOCATION

GATE LOCATION

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### VICINITY MAP

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LATITUDE = 30°58'50.44"

LONGITUDE = 87°14'27.12"

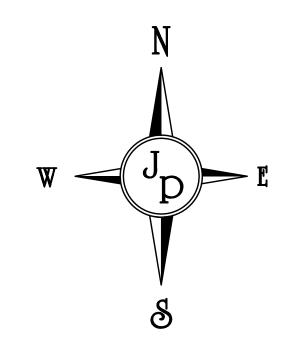
SECTION = 4

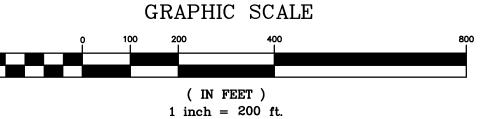
TOWNSHIP = 5 NORTH
RANGE = 30 WEST
COUNTY = ESCAMBIA

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### LEGEND

PROPERTY LINE MINING OPERATION BOUNDARY

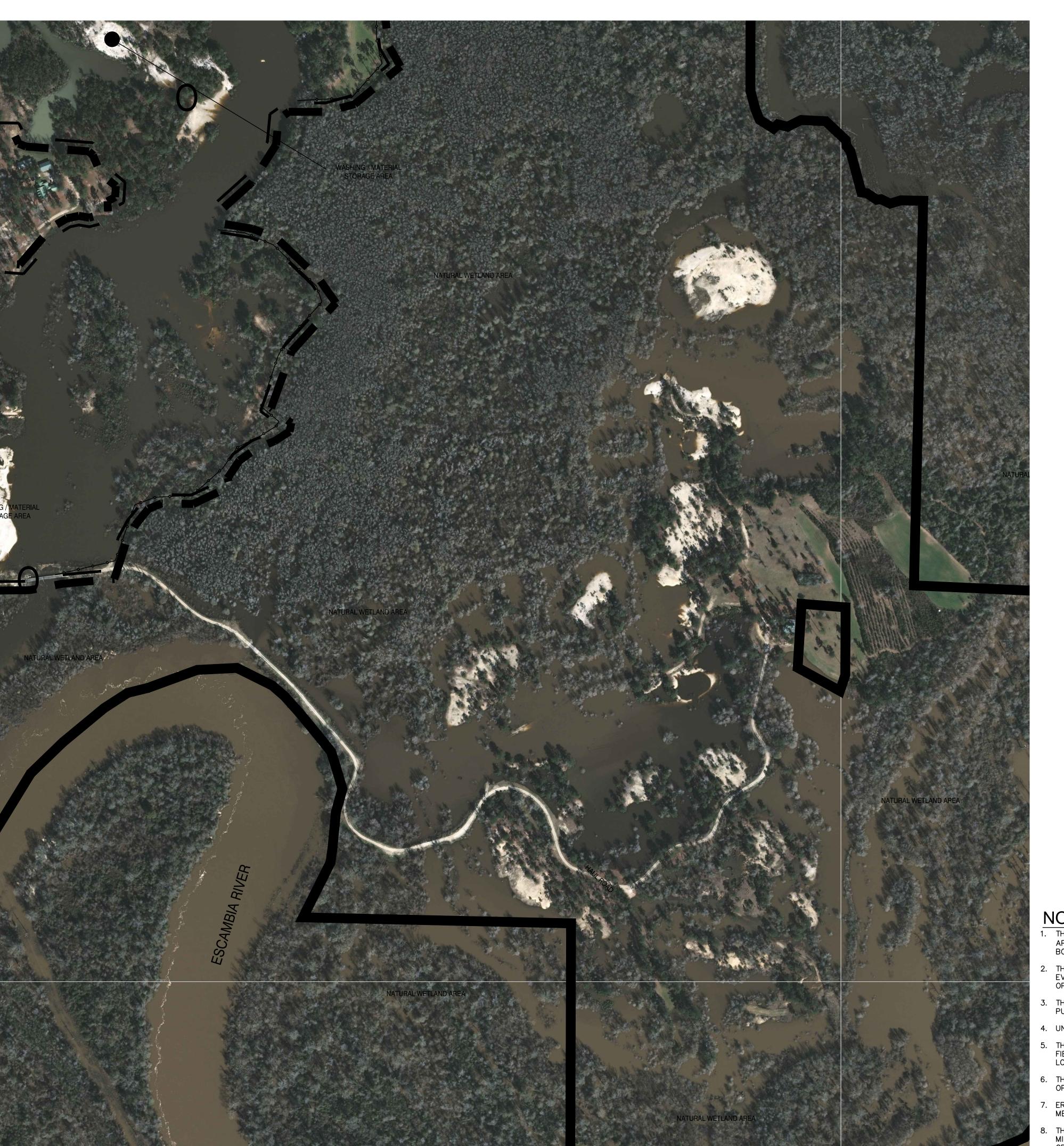
MINING OPERATION SETBACK LINE

GATE LOCATION

### 25 YR STORMWATER CONTROL (DISCHARGE) LOCATION

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Sheet <u>05</u> of <u>1</u> DWG. NO.



# PROJECT LOCATION VICINITY MAP

### DIRECTIONS TO LOCATE OFFICE:

LATITUDE = 30°58'50.44"

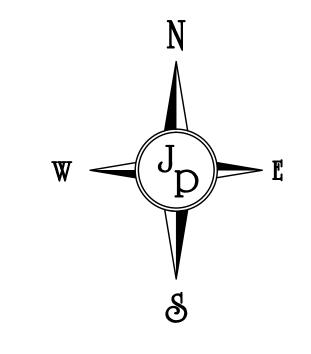
LONGITUDE = 87°14'27.12"

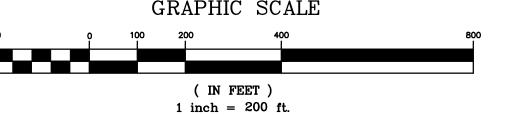
SECTION = 4

TOWNSHIP = 5 NORTH
RANGE = 30 WEST
COUNTY = ESCAMBIA

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CENTURY, FL 32535.





### LEGEND

PROPERTY LINE MINING OPERATION BOUNDARY

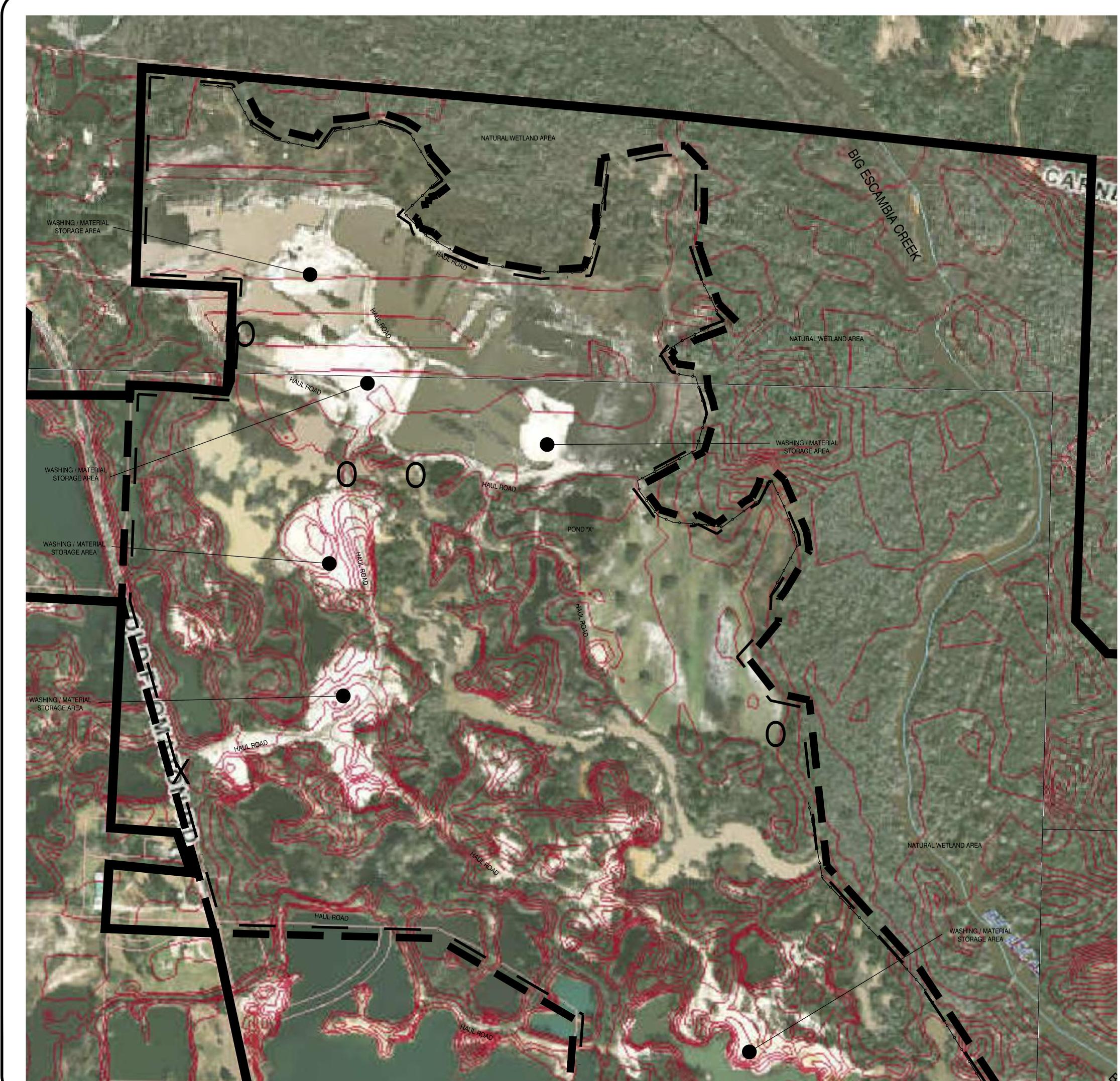
MINING OPERATION SETBACK LINE 

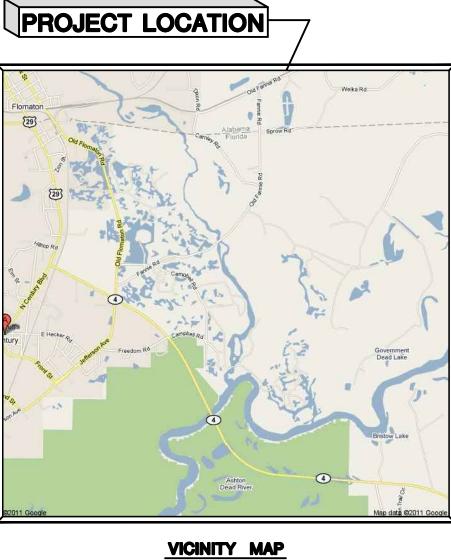
GATE LOCATION

25 YR STORMWATER CONTROL (DISCHARGE) LOCATION

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Sheet <u>06</u> of <u>1</u> DWG. NO.





### DIRECTIONS TO LOCATE OFFICE:

LATITUDE = 30°58'50.44"

LONGITUDE = 87°14'27.12"

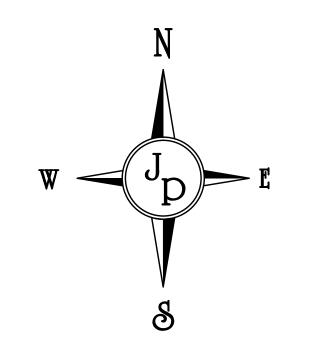
SECTION = 4

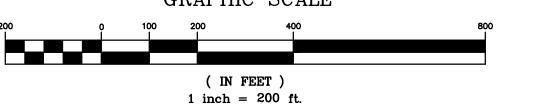
TOWNSHIP = 5 NORTH
RANGE = 30 WEST

COUNTY = ESCAMBIA

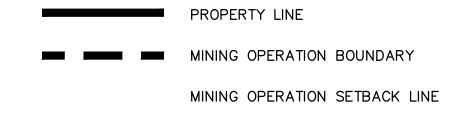
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### LEGEND



GATE LOCATION

25 YR STORMWATER CONTROL (DISCHARGE) LOCATION

### NOTES

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Sheet <u>07</u> of <u>1</u> DWG. NO.



# PROJECT LOCATION VICINITY MAP

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LONGITUDE = 87°14'27.12"

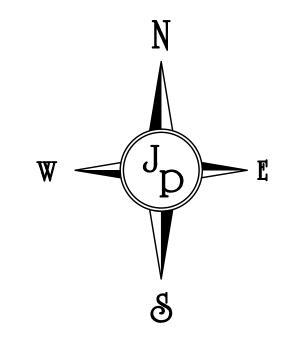
SECTION = 4

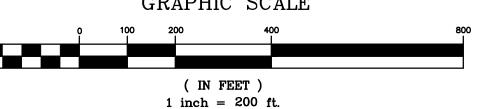
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COUNTY = ESCAMBIA

TOUNTY = ESCAMBIA

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### LEGEND

PROPERTY LINE MINING OPERATION BOUNDARY MINING OPERATION SETBACK LINE

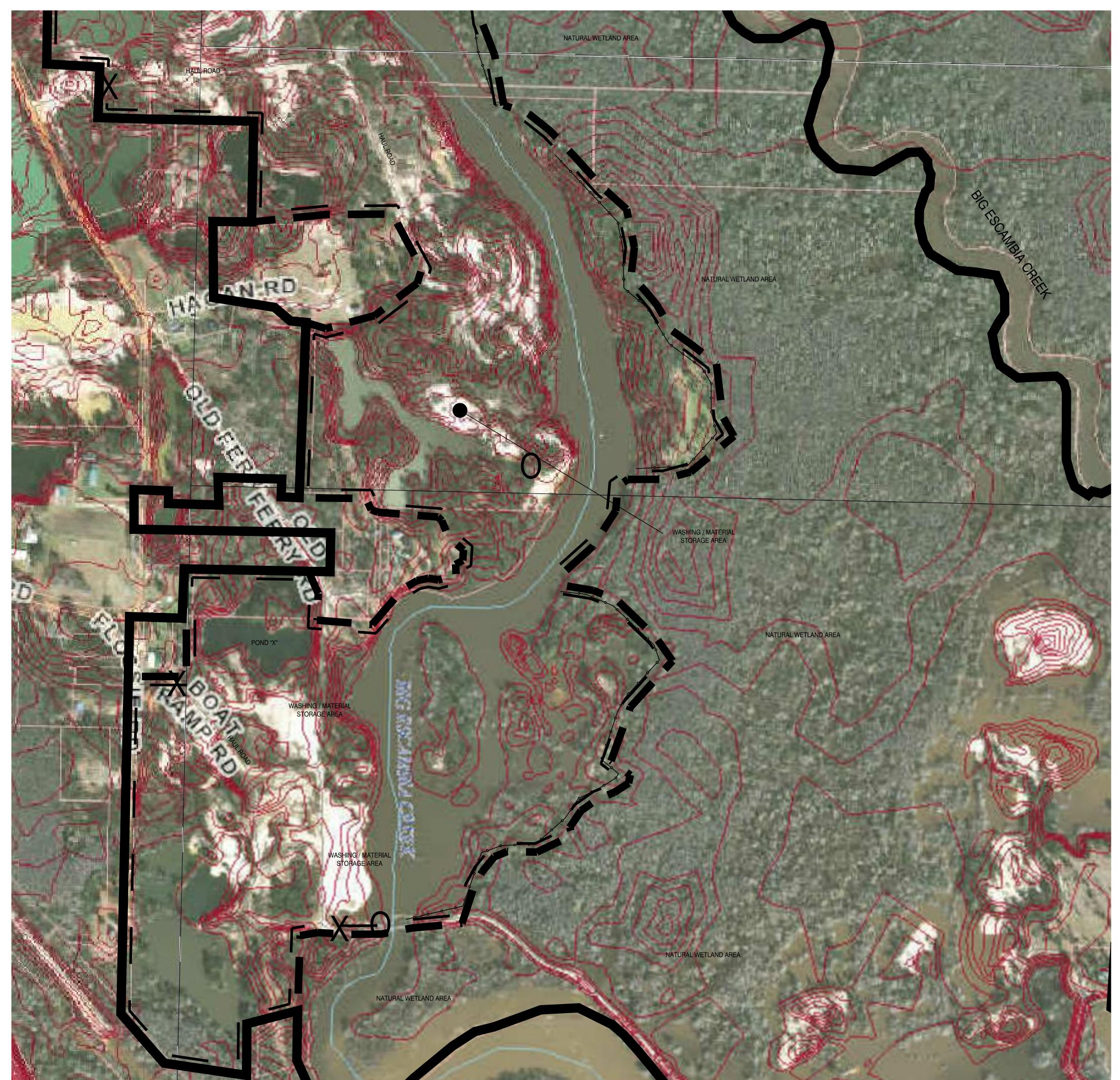
25 YR STORMWATER CONTROL (DISCHARGE) LOCATION

GATE LOCATION

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8. THE WETLAND LINE SHALL BE LOCATED BY A WETLAND SPECIALIST IN ALL NEW AREAS TO BE CLEARED FOR MINING OPERATIONS PRIOR TO COMMENCEMENT OF CLEARING ACTIVITIES. WETLANDS THAT HAVE BEEN CREATED DUE TO THE MINING OPERATIONS DO NOT APPLY TO THE PROTECTION STANDARDS.

Sheet <u>08</u> of <u>1</u> DWG. NO.



PROJECT LOCATION

### VICINITY MAP

### DIRECTIONS TO LOCATE OFFICE:

LATITUDE = 30°58'50.44"

LONGITUDE = 87°14'27.12"

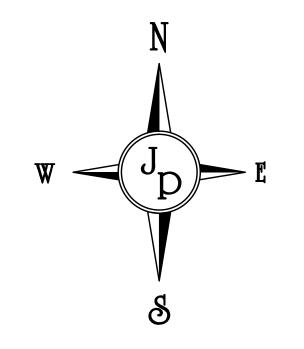
SECTION = 4

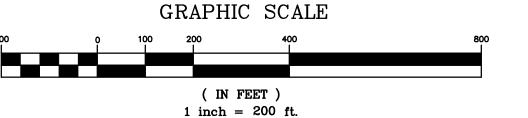
TOWNSHIP = 5 NORTH
RANGE = 30 WEST
COUNTY = ESCAMBIA

TOUNTY = ESCAMBIA

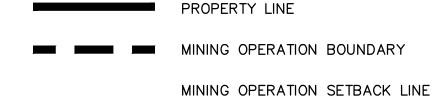
THE PROJECT SITE IS LOCATED IN ESCAMBIA

COUNTY IN CENTURY, FL. FROM THE INTERSECTION
OF N. CENTURY PKWY, AND HWY 4, TRAVEL EAST
ON HIGHWAY 4. TURN LEFT ONTO OLD FLOMATON
RD, THEN RIGHT ONTO FANNIE RD., THEN RIGHT
ONTO CAMPBELL RD. CHECK IN AT THE CAMPBELL
SAND AND GRAVEL MAIN OFFICE LOCATED ON THE
NORTH SIDE OF THE ROAD AT 930 CAMPBELL RD.,
CENTURY, FL 32535.





### LEGEND

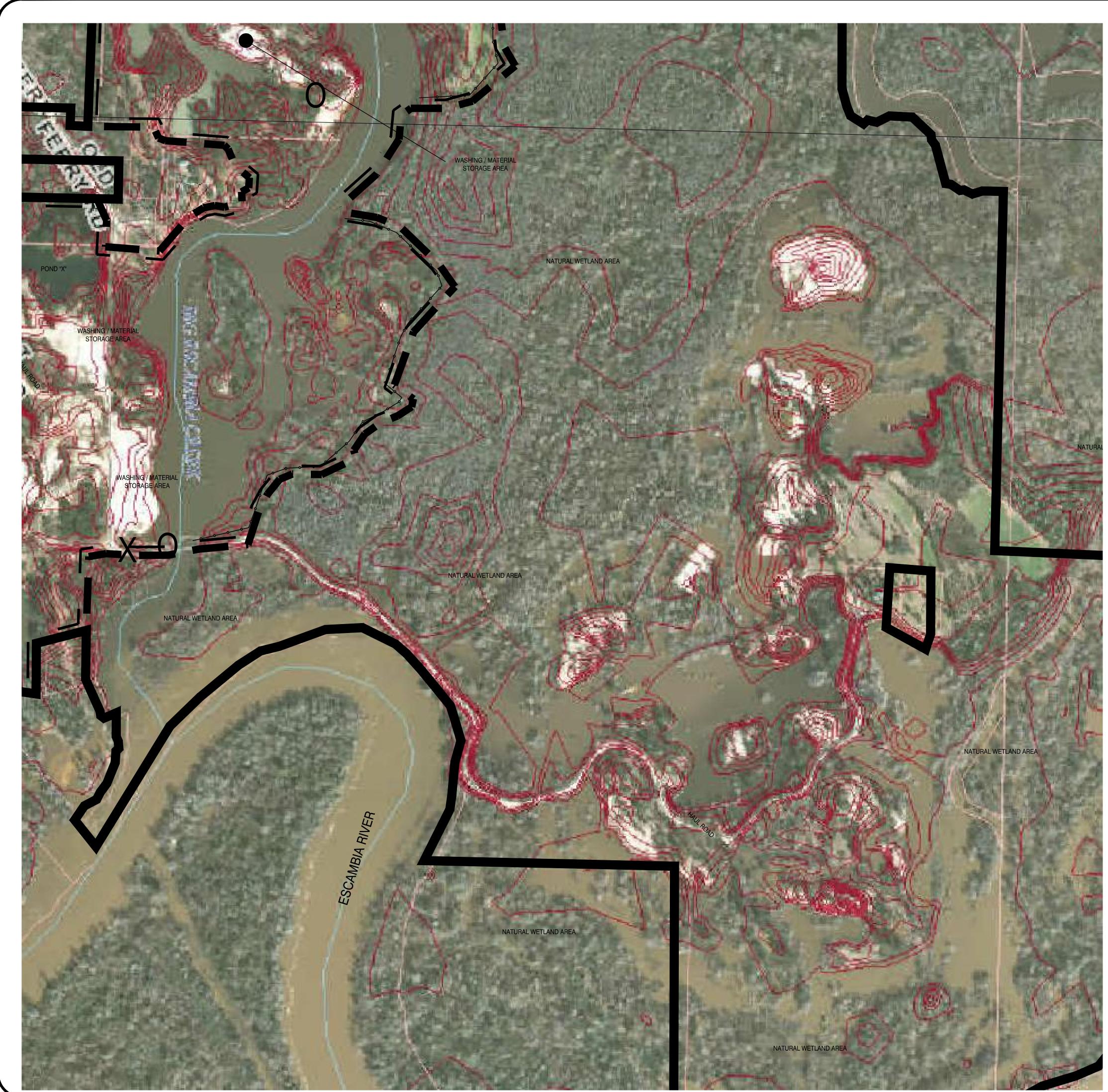


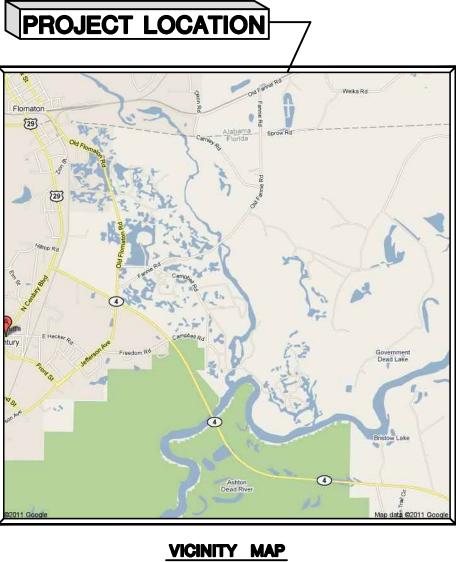
25 YR STORMWATER CONTROL (DISCHARGE) LOCATION

GATE LOCATION

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Sheet <u>09</u> of <u>1</u> DWG. NO.





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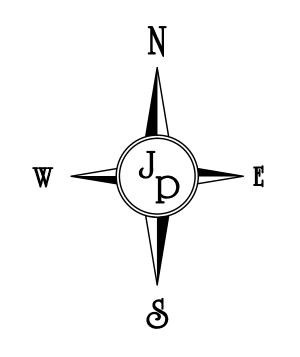
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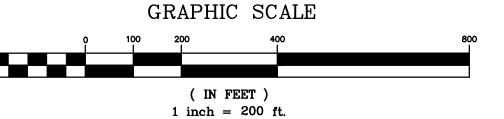
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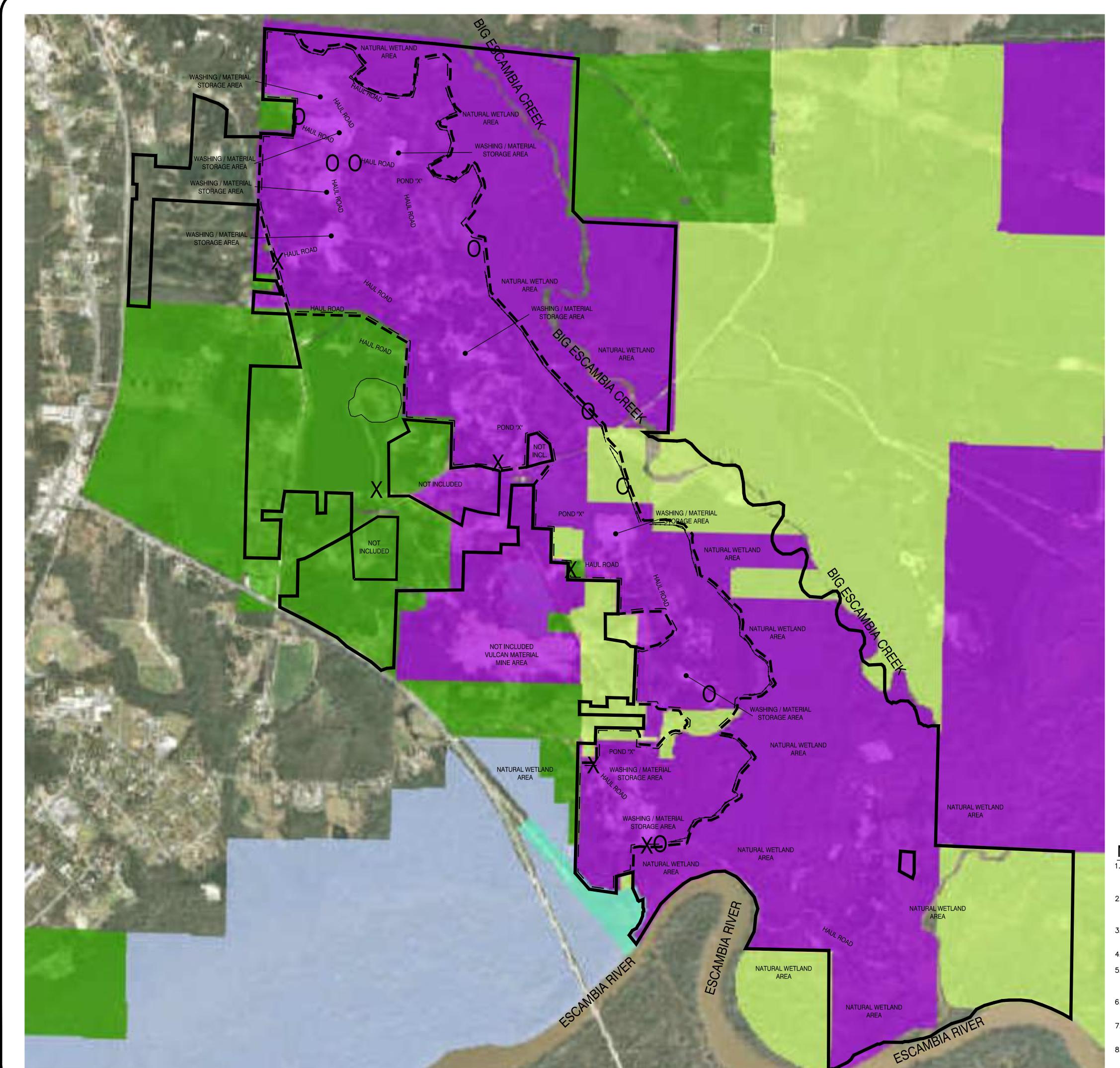
PROPERTY LINE MINING OPERATION BOUNDARY MINING OPERATION SETBACK LINE

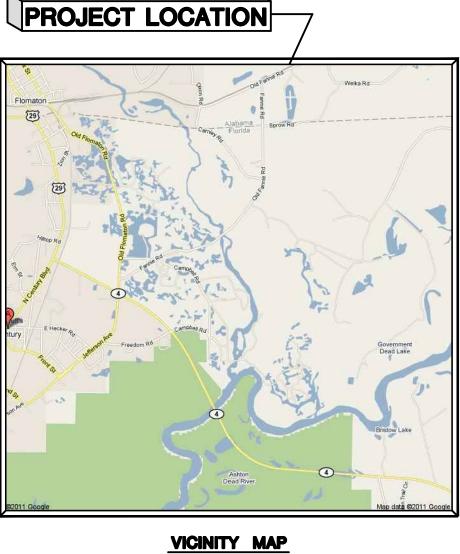
GATE LOCATION

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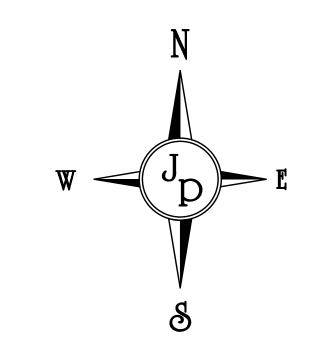


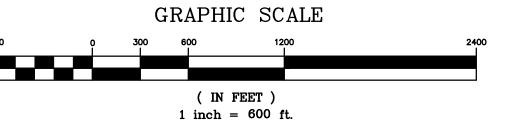
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SECTION = 4

TOWNSHIP = 5 NORTHRANGE = 30 WEST COUNTY = ESCAMBIA

LATITUDE = 30°58'50.44" THE PROJECT SITE IS LOCATED IN ESCAMBIA COUNTY IN CENTURY, FL. FROM THE INTERSECTION OF N. CENTURY PKWY, AND HWY 4, TRAVEL EAST ON HIGHWAY 4. TURN LEFT ONTO OLD FLOMATON RD, THEN RIGHT ONTO FANNIE RD., THEN RIGHT ONTO CAMPBELL RD. CHECK IN AT THE CAMPBELL SAND AND GRAVEL MAIN OFFICE LOCATED ON THE NORTH SIDE OF THE ROAD AT 930 CAMPBELL RD., CENTURY, FL 32535.





### LEGEND

PROPERTY LINE MINING OPERATION BOUNDARY

> MINING OPERATION SETBACK LINE EROSION CONTROL (SILT FENCE & HAYBALES)

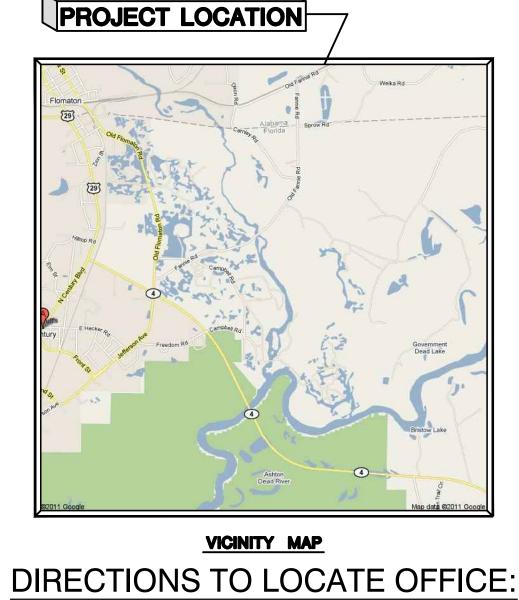
25 YR STORMWATER CONTROL (DISCHARGE) LOCATION

GATE LOCATION

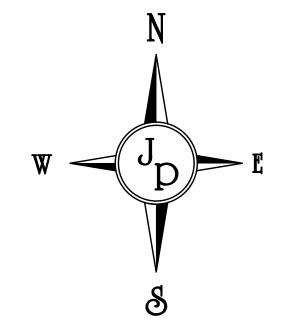
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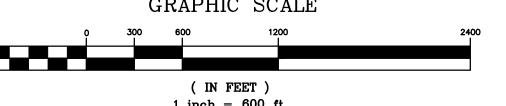
<u>.</u>

DWG. NO.



SECTION = 4TOWNSHIP = 5 NORTH= 30 WEST RANGE

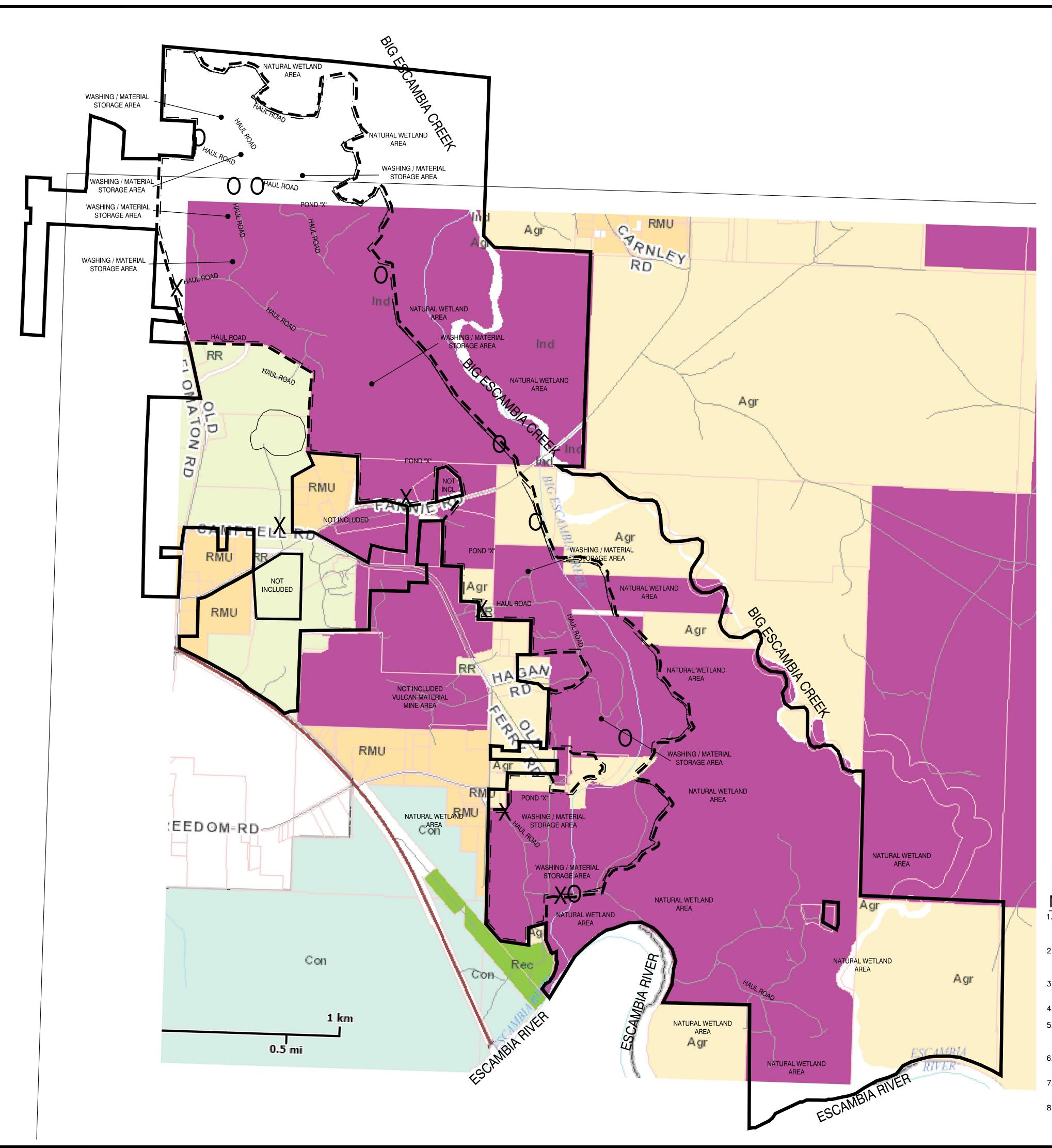


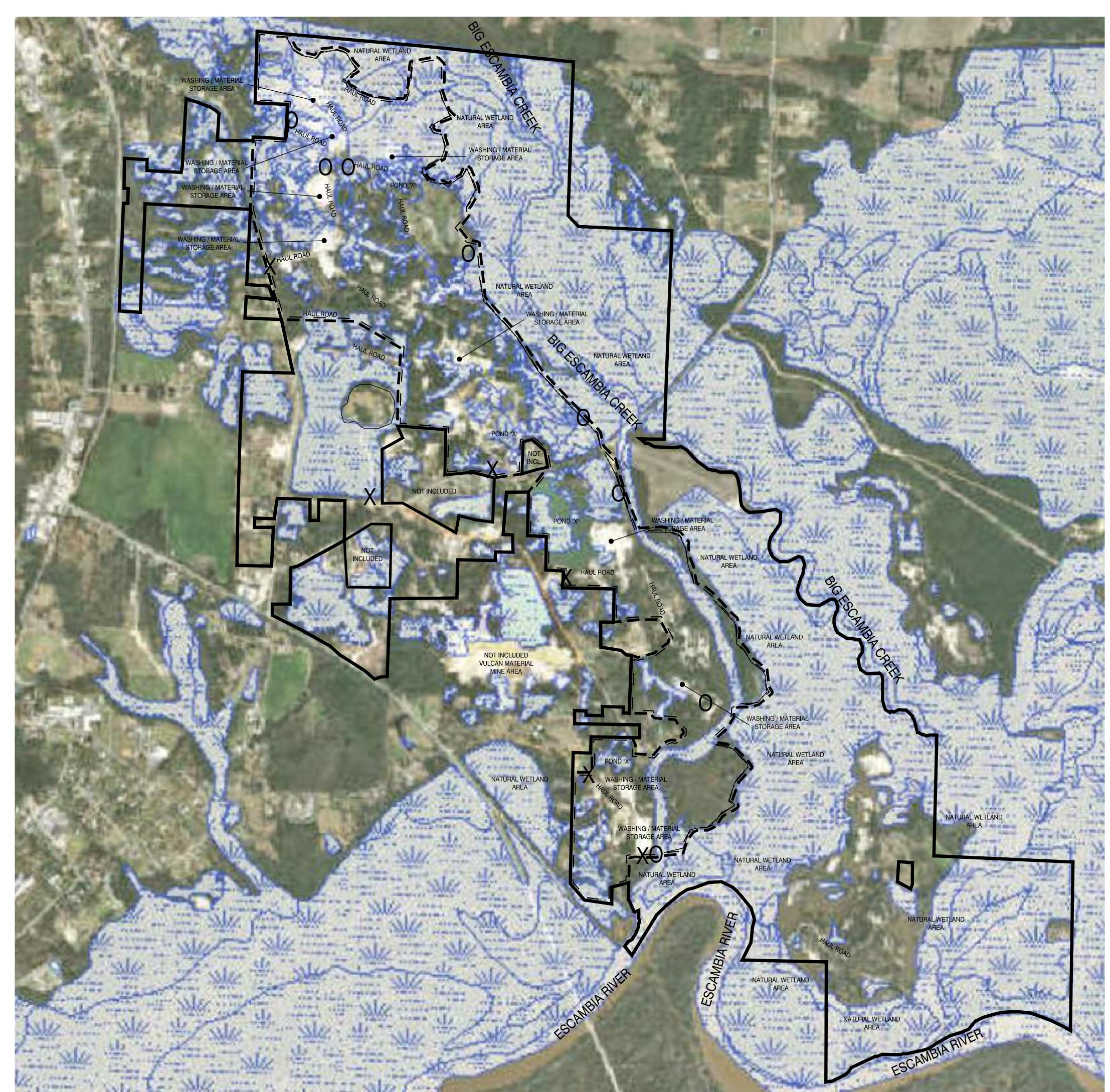




PROPERTY LINE MINING OPERATION BOUNDARY

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# PROJECT LOCATION VICINITY MAP

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COUNTY = ESCAMBIA

LATITUDE = 30°58'50.44"

LONGITUDE = 87°14'27.12"

SECTION = 4

TOWNSHIP = 5 NORTH

RANGE = 30 WEST

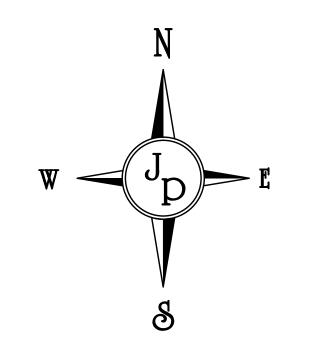
TOWNSHIP = 30 WEST

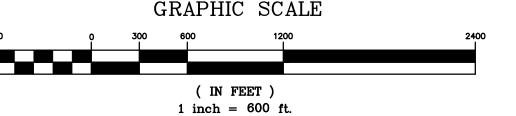
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ROME = 30°58'50.44"

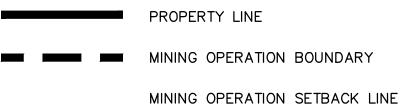
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### LEGEND



EROSION CONTROL (SILT FENCE OR SILT FENCE & HAYBALES)

25 YR STORMWATER CONTROL (DISCHARGE) LOCATION

GATE LOCATION

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ENGINEERING
ENGINEERS SEAL

ETAILS

ig Escambia Mine Permitting Plans

5/8/15 REVISIONS:
AS SHOWN 2 2 2
: 2014-017 3 3

N: MRP DATE: 5/8/15
KED: MRP SCALE: AS SHOWN
OVED: MRP FILE NO. :2014-017

Sheet 13 of DWG. NO.

SILT FENCE W/ FILTER FABRIC,
6X6~14 GAUGE WIRE FENCING,
& 2"x2" ANCHOR POSTS © 10'
MAX. SPACING.

(MAX.)

BALED HAY-ANCHOR
W/ (2) 2"x2"x4' STAKES
PER BALE.

SILT FENCE W/ FILTER FABRIC,
6X6~14 GAUGE WIRE FENCING,
& 2"x2" ANCHOR POSTS © 10'
MAX. SPACING.

10'
(MAX.)

6X6 14 GAUGE
WIRE FENCING
W/ (2) 2"x2"x4' STAKES
PER BALE.

**ELEVATION** 

INSTALL 2"X2" WOOD POSTS ALONG BARRIER
LINE (10' MAX. SPACING, 18" MIN. EMBEDMENT).
EXCAVATE 4" WIDE BY 4" DEEP TRENCH
ALONG POST LINE, UPSLOPE OF BARRIER.
FASTEN WIRE MESH FENCING TO 2"X2"
POSTS WITH HEAVY DUTY WIRE STAPLES
AT LEAST 1 INCH LONG, TIE WIRES OR

POSTS WITH HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. STAPLE OR WIRE FILTER FABRIC TO UPSLOPE SIDE OF SUPPORT FENCING. EXTEND 8" OF FABRIC AND FENCING INTO TRENCH AND BACKFILL. STAKE BALED HAY UPSLOPE OF SILT FENCE ASSEMBLY.

**CONSTRUCTION NOTE:** 

FILTER FABRIC — √2"x2" ANCHOR POSTS @ OVERLAYING 6X6~14 10 MAX. SPACING. GAUGE WIRE FENCING 4"x4" TRENCH 'MIN. FLOW **√** (UPSLOPE) BALED HAY-ANCHOR J 2ND SILT FENCE W/ (2) 2"x2"x4' WHERE NOTED ON STAKES PER BALE. **PLANS** 

**SECTION** 

TYPICAL EROSION CONTROL DETAILS

SCALE: 1" = 5'-0"

SOLID SOD BASIN SLOPE TO TOP OF WATER SURFACE SOLID SOD BASIN SLOPES TO TOP OF LITTORAL SHELF VARIES **VARIES** VARIES VARIES **VARIES VARIES VARIES** VARIES **BERM** POND 2:1 SLOPE 4:1 SLOPE 6:1 SLOPE 2:1 SLOPE 2:1 SLOPE 6:1 SLOPE 4:1 SLOPE LITTORAL SHELF -CONTROL STRUCTURE TYPE "C" INLET TOP OF BASIN TOP OF BASIN-ZONE 2 PLANTING ZONE EXISTING MITERED END SECTION W/ RIP RAP GROUND -WATER SURFACE ZONE 3 PLANTING ZONE WATER SURFACE HOLE **FINISHED** GROUND LITTORAL SHELF-LITTORAL SHELF ELEV: 22.00

(BALED HAY NOT SHOWN FOR CLARITY)

1. ALL SURFACE AREA FROM ELEVATION 32.00 TO ELEVATION 33.25 SHALL BE PLANTED IN ACCORDANCE WITH FDEP'S "FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT CHAPTER 6, SW BMP 3.02.

PLANTING CRITERIA

SILT FENCE W/ EXTRA

@ 6' MAX. SPACING.

(MAX.)

(MAX.)

**PLAN** 

-FILTER FABRIC-

**ELEVATION** 

STRENGTH FILTER FABRIC

**CONSTRUCTION NOTE:** 

SILT FENCE W/ EXTRA 2"x2" ANCHOR POSTS— STRENGTH FILTER FABRIC @ 6' MAX. SPACING.

SILT FENCE DETAIL

INSTALL 2"X2" WOOD POSTS ALONG BARRIER

LINE (6' MAX. SPACING, 18" MIN. EMBEDMENT).

EXCAVATE 4" WIDE BY 4" DEEP TRENCH ALONG

POST LINE, UPSLOPE OF BARRIER. FASTEN

FILTER FABRIC TO 2"X2" POSTS WITH HEAVY

DUTY WIRE STAPLES AT LEAST 1 INCH LONG,

TIE WIRES OR HOG RINGS. EXTEND 8" OF

SECTION

FABRIC INTO TRENCH AND BACKFILL.

EXTRA STRENGTH ----

FILTER FABRIC

4"x4" TRENCH —

**~~~** 

FLOW

(UPSLOPE)

& 2"x2" ANCHOR POSTS

& 2"x2" ANCHOR POSTS

@ 6' MAX. SPACING.

NOTE: ELEVATIONS AND DIMENSIONS SHOWN ARE AT CROSS SECTION ONLY AND VARY THROUGHOUT THE SITE (SEE GRADING AND DRAINAGE PLAN)

- 2. PLANTING ZONE 2 SHALL CONSIST OF NYMPHOIDES AQUATICA (FLOATING HEARTS), IRIS HEXAGONA (ANGLEPOD BLUE FLAG) AND CANNA FLACCIDA (CANNA LILY) PLANTED AT THE ELEVATION SPECIFIED. ALL PLANT SPECIES IDENTIFIED ARE SUBJECT TO AVAILABILITY AND MAY BE SUBSTITUTED WITH A COMPARABLE SPECIES OF SAME ZONE IF NECESSARY.
- 3. PLANTING ZONE 3 SHALL CONSIST OF UPHAR LUTEUM (SPATTERDOCK), NYMPHAEA MEXICANA (YELLOW WATER LILLY), AND NEBUMBO LUTEA (AMERICAN LOTUS) PLANTED AT THE ELEVATION SPECIFIED. ALL PLANT SPECIES IDENTIFIED ARE SUBJECT TO AVAILABILITY AND MAY BE SUBSTITUTED WITH A COMPARABLE SPECIES OF SAME ZONE IF NECESSARY.
- GENERAL DETENTION POND SECTION

SCALE: 1" = 5'-0"

- 4. ALL SURFACE AREA FROM ELEVATION 33.50 TO THE TOP OF THE BASIN OR EDGE OF SIDEWALK SHALL BE SODDED SOLID.
- 5. AN 85% SURVIVORSHIP GUARANTEED SHALL BE REQUIRED FOR ALL PLANTED SPECIES. ANNUAL REPLANTING WILL BE REQUIRED IF SURVIVAL FALLS BELOW THE 85% LEVEL.
- 6. ALL VEGETATION SHALL BE PLANTED AT A MINIMUM RATE OF NINE (9) SQUARE FEET PER PLANT (THREE (3) FOOT CENTERS).

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