

CITGO PETROLEUM CORPORATION
LAKE CHARLES, LOUISIANA

CLARIFIER SPOIL PILE EXPANSION

SITE LOCATION MAP

CALCASIEU PARISH

CK
ASSOCIATES, LLC
BATON ROUGE, LOUISIANA

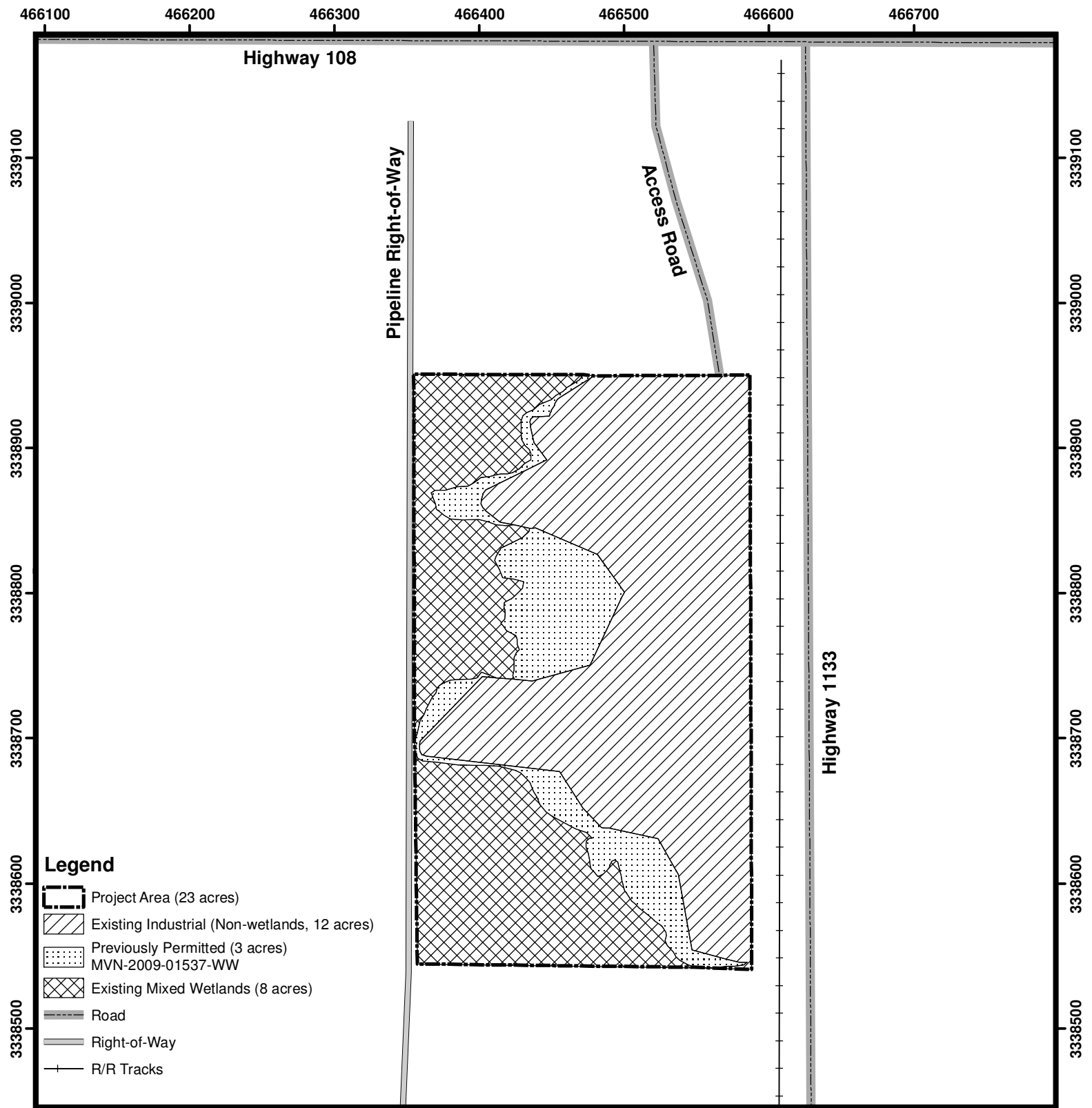
Drawn:	CAL/AM9.2
Checked:	JBS
Approved:	TEW
Date:	4/7/11
Dwg. No.:	A6105E-01

FIGURE 1

Reference

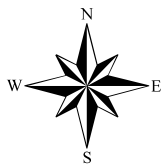
U.S.G.S 24K SERIES QUAD MAP, WESTLAKE, LA.





Legend

-  Project Area (23 acres)
-  Existing Industrial (Non-wetlands, 12 acres)
-  Previously Permitted (3 acres)
MVN-2009-01537-WW
-  Existing Mixed Wetlands (8 acres)
-  Road
-  Right-of-Way
-  R/R Tracks



1 inch equals 300 feet

Notes

- 1) COORDINATE SYSTEM: UTM NAD 83 15 NORTH
- 2) SEE JD FOR WETLAND/NON-WETLAND MIX



CITGO PETROLEUM CORPORATION
LAKE CHARLES, LOUISIANA

CLARIFIER SPOIL PILE EXPANSION

EXISTING CONDITIONS

CALCASIEU PARISH

CK 
ASSOCIATES, LLC
BATON ROUGE, LOUISIANA

Drawn:	CAL/AM9.2
Checked:	JBS
Approved:	TEW
Date:	4/7/11
Dwg. No.:	A6105E-02

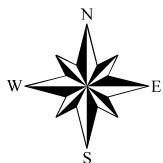
FIGURE 2

466300

466400

466500

466600



3338900

3338800

3338700

3338600

3338500

3338900

3338800

3338700

3338600

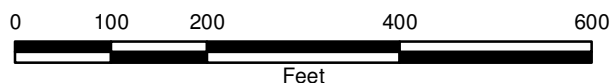
3338500

A

A'

Legend

- Proposed Dike (2,840 feet)
- Project Area (23 acres)
- Existing Spoil Pile (15 acres)
- Mixed Wetlands to be Permitted (8 acres)
(5.5 acres Wet, 2.5 acres Non-wet)
- Road
- Right-of-Way
- R/R Tracks



Reference

- 1) COORDINATE SYSTEM: UTM NAD 83 15 NORTH
- 2) PERCENTAGE WETLANDS FROM JURISDICTIONAL DETERMINATION (MVN-2006-4943-SC)



CITGO PETROLEUM CORPORATION
LAKE CHARLES, LOUISIANA

CLARIFIER SPOIL PILE EXPANSION

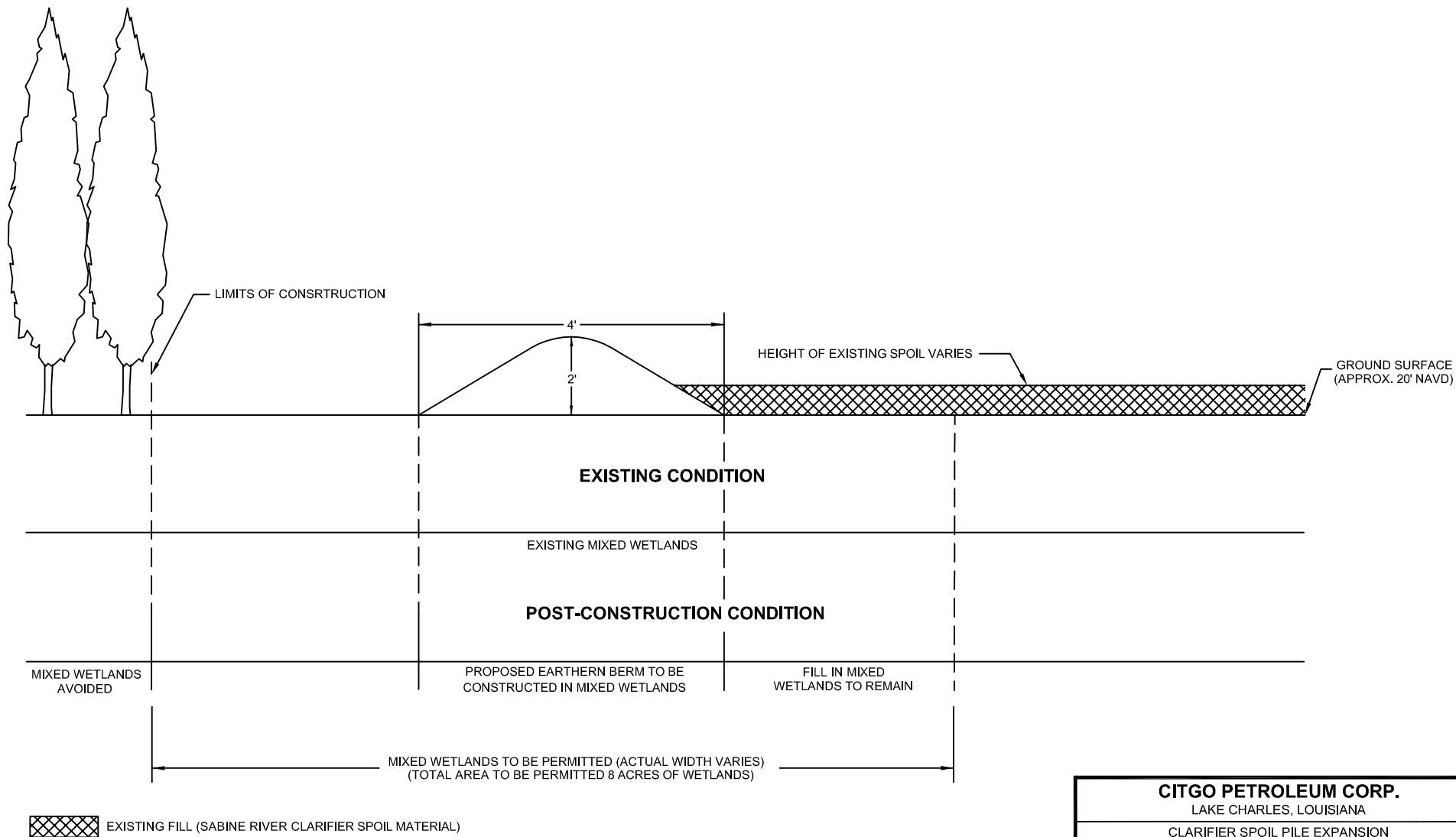
PLAN VIEW

CALCASIEU PARISH

CK
ASSOCIATES, LLC
BATON ROUGE, LOUISIANA

Drawn:	BLN/AM9.2
Checked:	JBS
Approved:	TEW
Date:	4/7/11
Dwg. No.:	A6105E-03


FIGURE 3



TYPICAL CROSS-SECTION A-A'
NOT TO SCALE

NOTES:

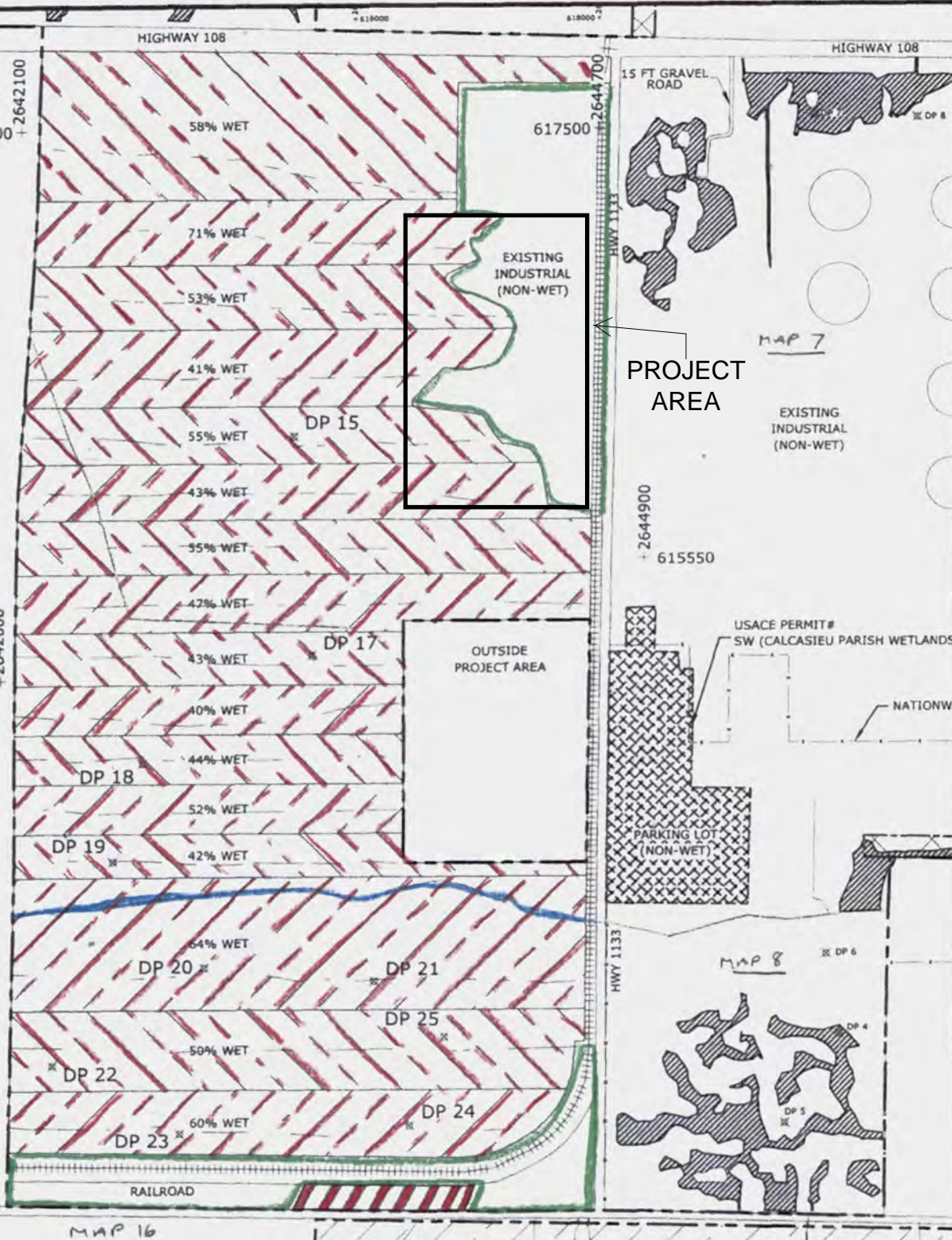
1. ELEVATION IN NAVD FROM LIDAR.
2. EXISTING FILL IN MIXED WETLANDS APPROXIMATELY 2420 CUBIC YARDS
3. EARTHEN BERM MATERIAL WILL CONSIST OF EXISTING FILL MATERIAL LOCATED IN BOTH MIXED WETLANDS AND NON-WETLAND AREAS

CITGO PETROLEUM CORP.	
LAKE CHARLES, LOUISIANA	
CLARIFIER SPOIL PILE EXPANSION	
TYPICAL CROSS-SECTION A-A'	
CALCASIEU PARISH	
 ASSOCIATES, LLC ENVIRONMENTAL & ENGINEERING CONSULTANTS	Drawn: CAL/ACAD
	GT Checked: CL
	Checked: JBS
	Approved: TEW
	Date: 4/7/11
	Dwg. No.: A6105E-04
FIGURE 4	

USACE Acct. # MVN-2006-4943-SC MAP 2 OF 16
 For Tre Wharton, consultant's field data. ih 3-12-07 gmc
 Lat. 30.176113, Long. -93.350812, Sections 23 & 24, T10S, R10W, Calcasieu Parish, La.

APPROVED

JURISDICTIONAL DETERMINATION



LEGEND

- PROJECT AREA (2598.33 ACRES)
- Sec. 404
- MIXED WETLANDS AND NON WET (40% - 71% WETLAND)

- Sec. 404
- OTHER WATERS

700' 0 700'
 SCALE: 1" = 700'

DATA POINTS FROM 2005 WETLAND DELINEATION

- NON-WET
- WETLANDS Sec. 404

NOTES

COORDINATES ARE LOUISIANA STATE PLANE 83 FT SOUTH

CITGO
 LAKE CHARLES, LOUISIANA

TOTAL FACILITY WETLAND DELINEATION

WETLANDS MAP
 AOI - B

CALCASIEU PARISH

C-K
 ASSOCIATES, LLC
 ENVIRONMENTAL & ENGINEERING
 CONSULTANTS

Drawn: ABL/ACAD
 GT Checked: -
 Checked: TW
 Approved: TW
 Date: 10/15/06
 Dwg. No.: A1884W-07

FIGURE 4

A1884W-07 - WETLANDS MAP.dwg