



REPLY TO  
ATTENTION OF:

DEPARTMENT OF THE ARMY  
U.S. ARMY ENGINEER DISTRICT, MOBILE DISTRICT  
P.O. BOX 2288  
MOBILE, ALABAMA 36628-0001

Regulatory Division  
Coastal Branch

June 24, 2008

**JOINT PUBLIC NOTICE SAM-2008-0603-JBM  
U.S. ARMY CORPS OF ENGINEERS**

**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY  
OFFICE OF POLLUTION CONTROL**

**MISSISSIPPI DEPARTMENT OF MARINE RESOURCES**

**Wetland Fill and Dock Modifications for Refinery Expansion  
Chevron Products Company, Pascagoula Refinery  
Jackson County, Mississippi**

TO WHOM IT MAY CONCERN:

This District has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act (33 USC 403) and Section 404 of the Clean Water Act (33 USC 1344). Please communicate this information to interested parties.

**APPLICANT/AGENT:** Chevron Products Co.  
250 Industrial Road  
Pascagoula, Mississippi 39581

ENSR Corporation  
4155 Shackelford Road, Ste 245  
Norcross, Georgia 30093

**WATERWAY:** Bayou Caostte, Pascagoula, Jackson County, Mississippi. Sections 9, 16, 17 and 21, T8S, R5W; Lat. 30.365° N; Long. 88.4888° W.

**WORK:** Existing Crude Berths 6 and 7 on Bayou Casotte will be extended to reduce ship traffic congestion and comply with United States Coast Guard (USCG) regulations requiring 100 feet of horizontal clearance between ships at berth. The modification at Crude Berth 6 (Berth 6) will consist of the addition of a new loading platform, south of the existing platform, to eliminate interference from loading at the Coke Dock. A platform-to-shore driveway, two personnel bridges, and additional mooring and breasting dolphins will also be added to Berth 6. At Crude Berth 7 (Berth 7), a new loading platform will be added south of the existing platform to eliminate interference from tanker loading at Berth 6. A platform-to-shore driveway, an extension of Jenkins Road, three personnel bridges, and additional mooring and breasting dolphins will also be added to Berth 7. The existing Coke Dock will be extended to the north to incorporate one new loading

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platform, two personnel bridges, and additional mooring and breasting dolphins. These modifications will require 88 new piles at Berth 6, 76 at Berth 7, and 80 at the Coke Dock. Extension and modification of these facilities will allow simultaneous use of all three berths, which is not currently possible. Dredging, totaling approximately 20,000 cubic yards, will be required during expansion of Berth 7. Dredged material will be placed in Chevron's dike upland disposal site.

The applicant also proposes to fill 69.99 acres of low quality palustrine wetlands to construct an electrical duct, west laydown yard, west tank farm, northwest laydown yard and north woods laydown yard associated with expansion of the refinery's process area. Unavoidable impacts to wetlands will be offset by the purchase of credits from Chevron's Rhodes Lake Mitigation Area or an existing approved mitigation bank.

The applicant has applied for certification from the State of Mississippi in accordance with Section 401(a)(1) of the Clean Water Act, and upon completion of the required advertising, a determination relative to certification will be made.

The applicant has certified that the proposed activity complies with and will be conducted in a manner that is consistent with the State Coastal Zone Management Program. A determination relative to consistency will be made by the Mississippi Department of Marine Resources.

This public notice is being distributed to all known interested persons in order to assist in developing facts on which a decision by the U.S. Army Corps of Engineers (Corps) can be based. For accuracy and completeness of the record, all data in support of or in opposition to the proposed work should be submitted in writing setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition. The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources.

The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production, and in general, the needs and welfare of the people.

The Corps is soliciting comments from the public; Federal, State, and local agencies and officials;

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Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state with particularity, the reasons for holding a public hearing.

Evaluation of the probable impacts involving deposits of dredged or fill material into waters of the United States will include the application of guidelines established by the Administrator of the U.S. Environmental Protection Agency.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Project dredging will impact approximately 4 acres of estuarine substrate utilized by various life stages of red drum, Spanish mackerel, and shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or Federally managed fisheries.

The National Register of Historic Places has been consulted and no properties listed in or eligible for the National Register are known to exist which would be affected by the proposed work. Cultural Resources field surveys for the majority of the area affected by this proposed Project, excluding the north woods laydown yard, were completed by R. Christopher Goodwin & Associates, as part of three other projects, including; Gulfstream Pipeline Corridor (1999); Destin Pipeline Corridor (2000); and Proposed Casotte Landing Gas Import Terminal Project (2005). No cultural resources were identified during these surveys. Based on the findings from these studies, as well as significant ground disturbance completed on the site during its previous development as the Jackson County Airport, it is the opinion of R. Christopher Goodwin & Associates that there is a "very low likelihood of a historic property being situated within the proposed project boundaries." A letter requesting concurrence with this opinion was submitted to the Mississippi Department of Archives and History (MDAH) on April 21, 2008. P.E. LaMoreaux and Associates completed a cultural resources study of the North Woods, including the area to be occupied by the north woods laydown yard, in May 2008. The resulting report did not document the presence of any cultural resources in the north woods and recommended no additional investigation of the property. A copy

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of the report was submitted to the MDAH on May 16, 2008 for concurrence. The Beebe Family Cemetery is located on the east bank of Bayou Casotte, in the general vicinity of the Wharf Area Construction. This cemetery was established in the mid-1850s. The Cemetery is enclosed by a fence and will not be impacted by the Project.

This review constitutes the full extent of cultural resources investigations unless comment to this notice is received documenting that significant sites or properties exist which may be affected by this work, or that adequately documents that a potential exists for the location of significant sites or properties within the permit area. Copies of this notice are being sent to the State Historic Preservation Officer and the U.S. Department of the Interior, National Park Service, Division of Archeological Services.

Preliminary review of this application and the U.S. Department of the Interior List of Endangered and Threatened Wildlife and Plants indicate that the proposed activity will not affect listed endangered or threatened species. Field surveys of the project area performed during April and December of 2005 did not identify any federal or state-protected species.

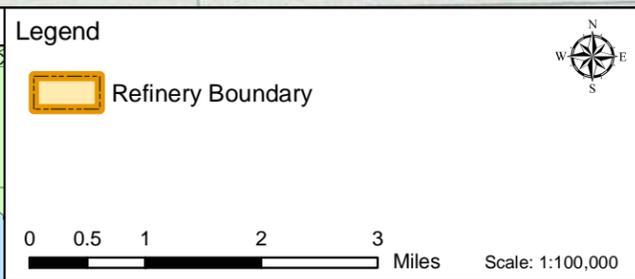
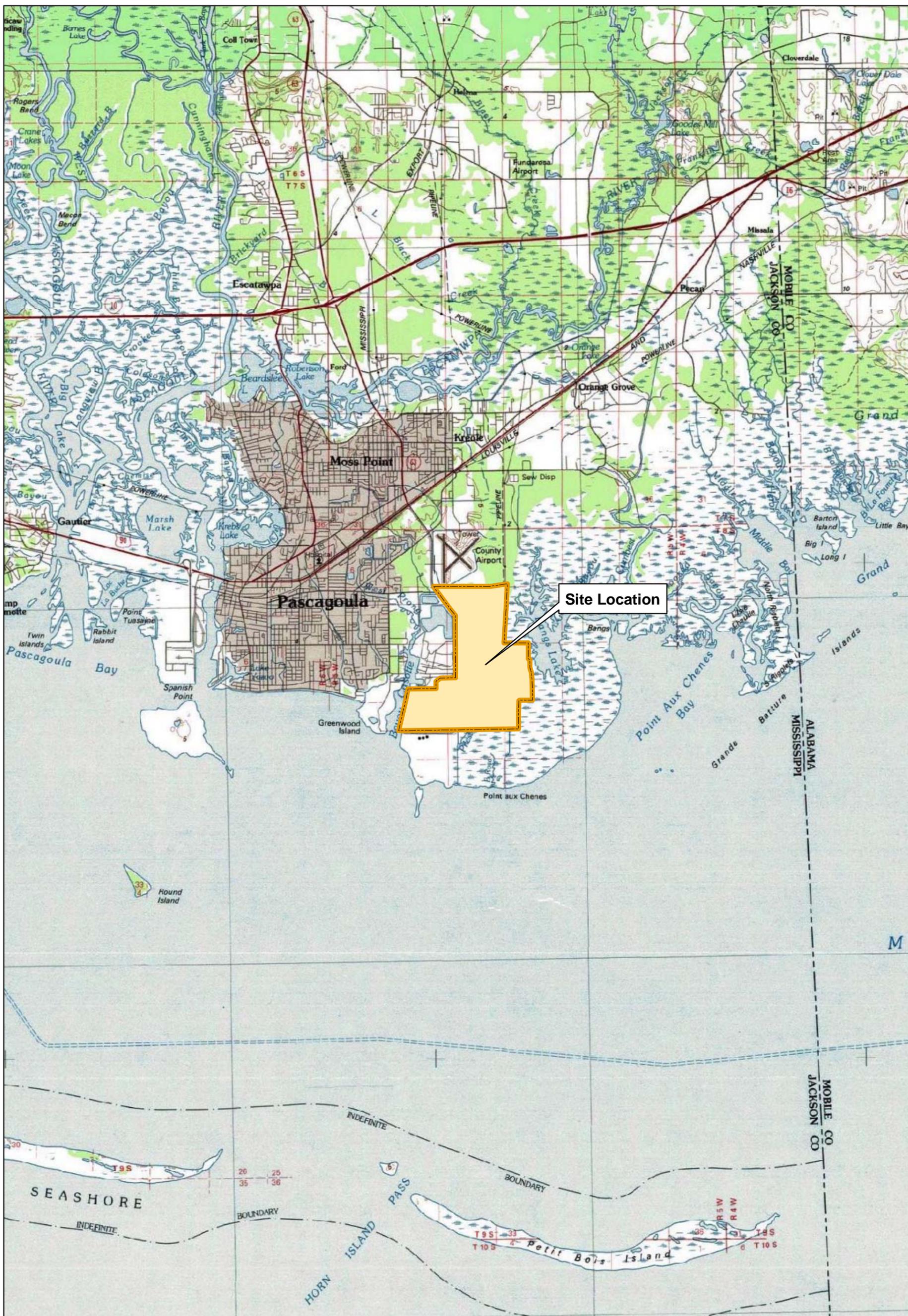
Correspondence concerning this Public Notice should refer to Public Notice Number SAM-2008-0603-JBM and should be directed to the District Engineer, U.S. Army Engineer District, Mobile, Post Office Box 2288, Mobile, Alabama 36628-0001, Attention: Coastal Branch, with a copy to the Mississippi Department of Environmental Quality, Office of Pollution Control, Post Office Box 10385, Jackson, Mississippi 39289, and the Mississippi Department of Marine Resources, 1141 Bayview Avenue, Suite 101, Biloxi, Mississippi 39530, in time to be received within 15 days of the date of this public notice.

If you have any questions concerning this publication, you may contact John B. McFadyen, P.G., telephone number (251) 690-3222; E-mail [john.b.mcfadyen@usace.army.mil](mailto:john.b.mcfadyen@usace.army.mil). Please refer to the above Public Notice number.

For additional information about our Regulatory Program, please visit our web site at [www.sam.usace.army.mil/RD/reg](http://www.sam.usace.army.mil/RD/reg), and please take a moment to complete our customer satisfaction survey while you're there. Your responses are appreciated and will allow us to improve our services.

MOBILE DISTRICT  
U.S. Army Corps of Engineers

Enclosures

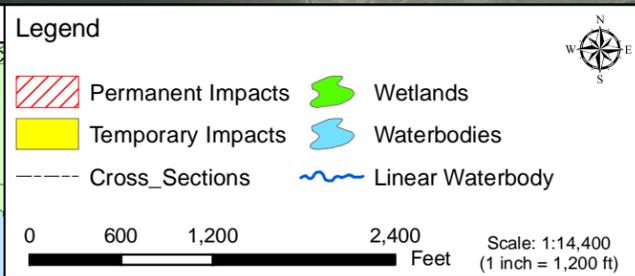
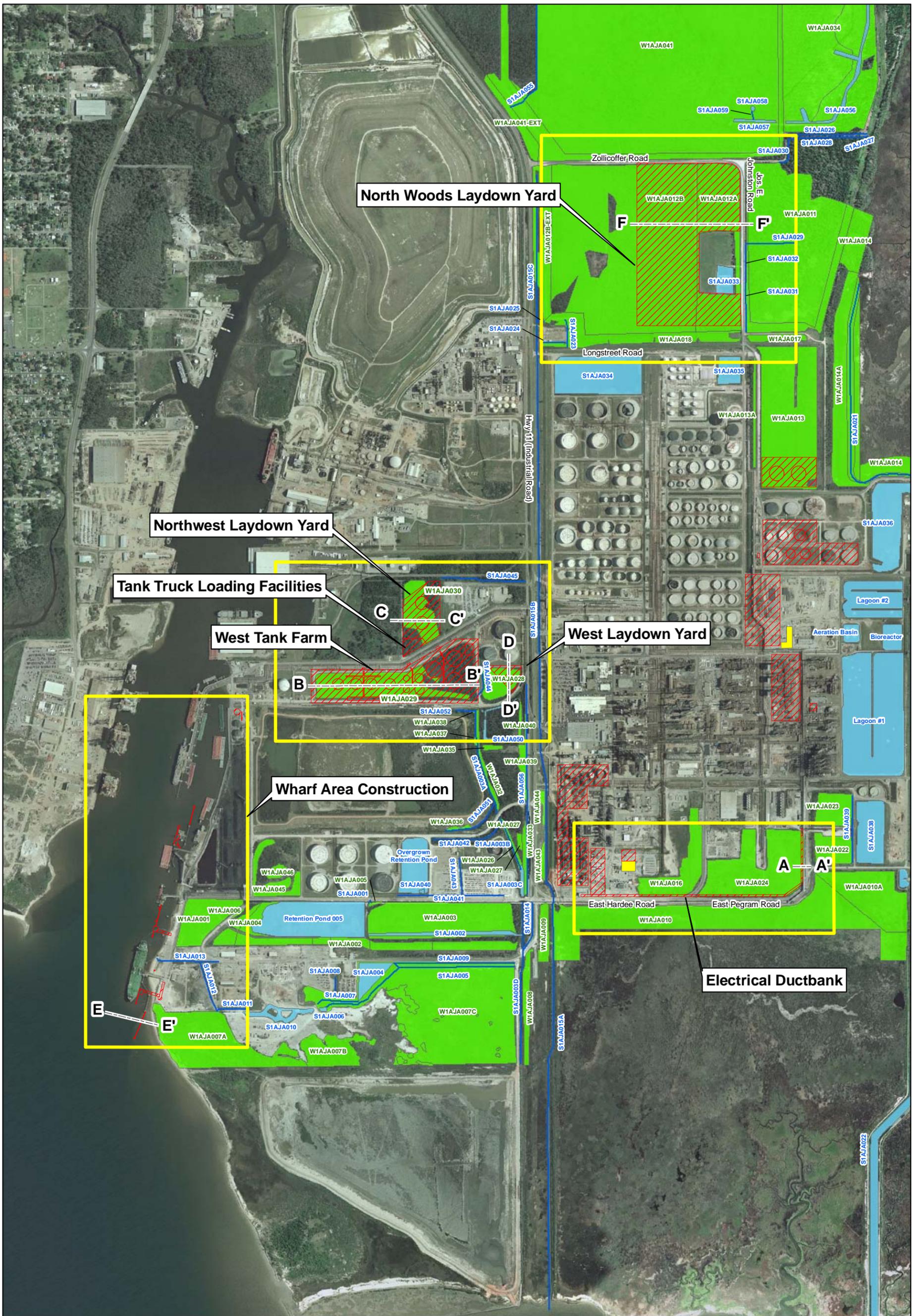


**Chevron Refinery  
Refinery Expansion**

Site Location Map

Image Source: USGS 100K Topographic Quadrangles.  
Data Source: Chevron CAD Data.

	ENSR   AECOM
Figure 1	
Date: June 2008	
Project #: 01231-425	



**Chevron Refinery Refinery Expansion**

Wetlands and Waterbodies

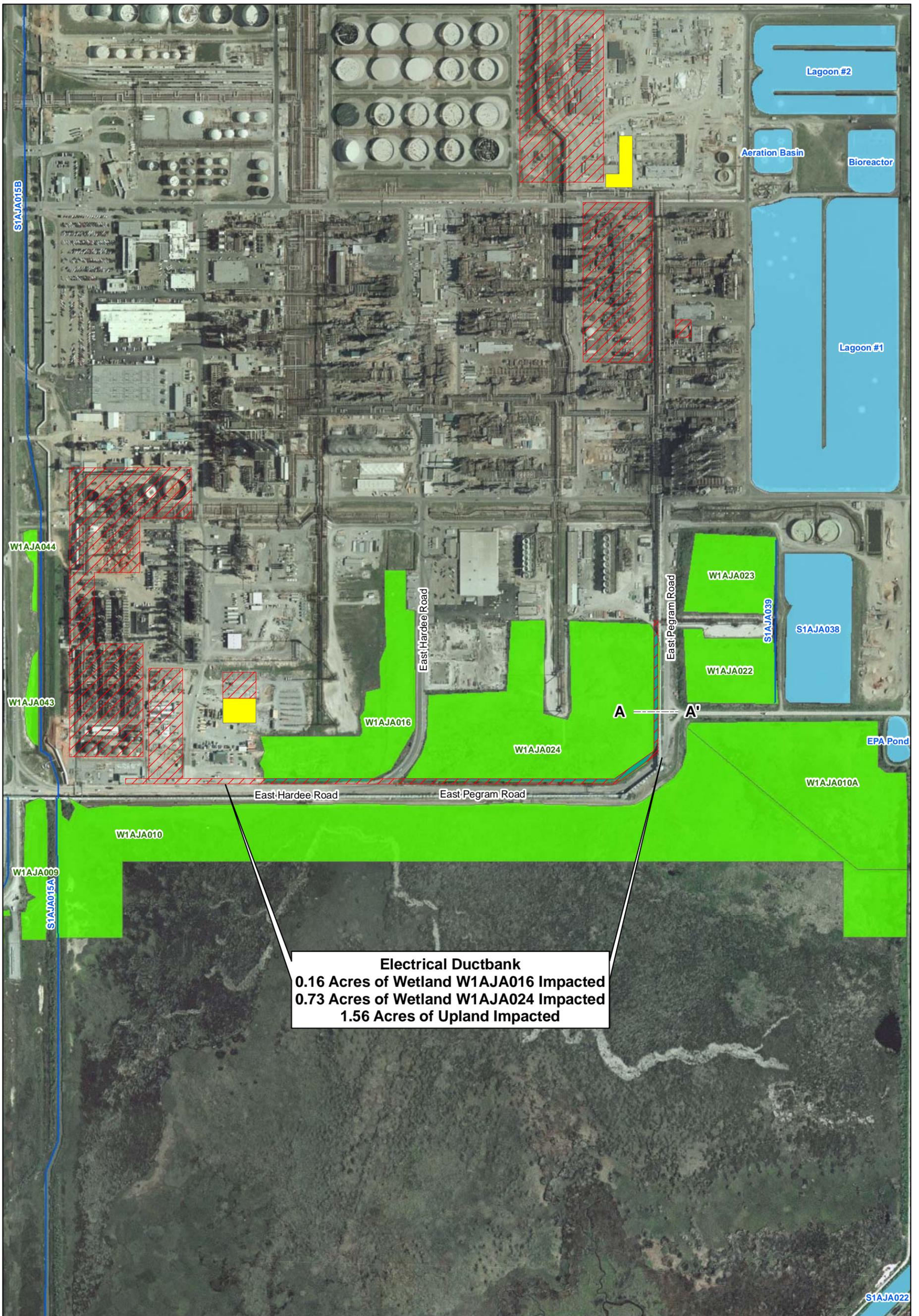
Image Source: ArcGIS Online Imagery Service.  
Data Source: ENSR Data, Chevron CAD Data.



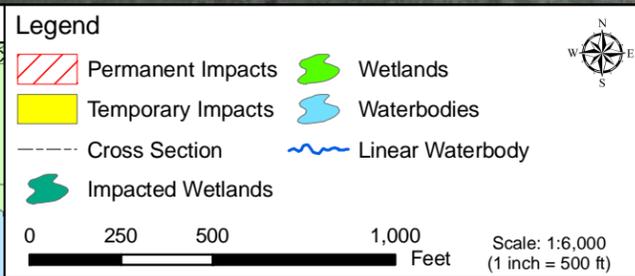

Figure 2

Date: June 2008

Project #: 01231-425



**Electrical Ductbank**  
 0.16 Acres of Wetland W1AJA016 Impacted  
 0.73 Acres of Wetland W1AJA024 Impacted  
 1.56 Acres of Upland Impacted



**Chevron Refinery Refinery Expansion**

Wetland Impacts Associated With the 6-Foot Wide Electrical Ductbank

Image Source: ArcGIS Online Imagery Service.  
 Data Source: ENSR Data, Chevron CAD Data.

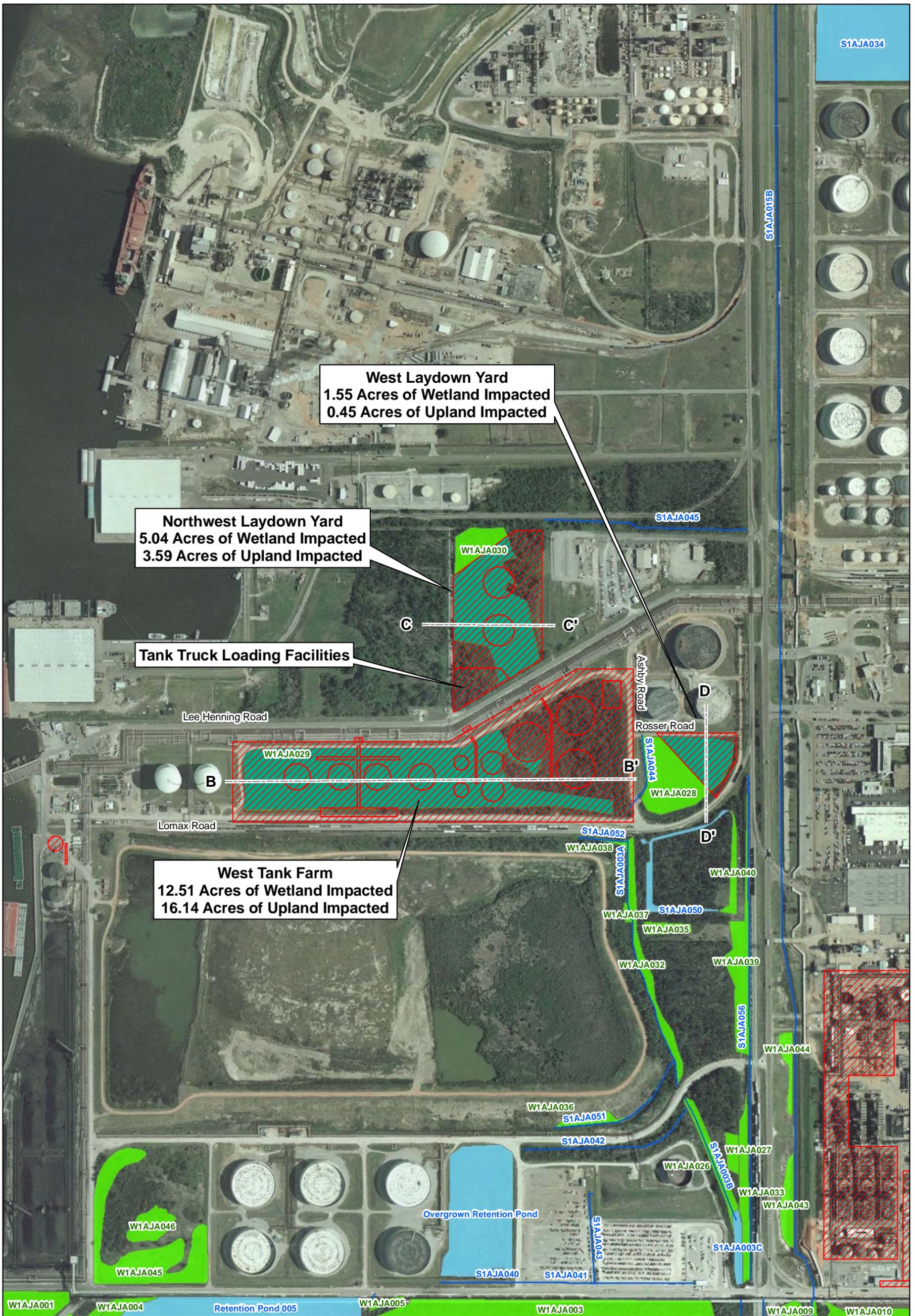


ENSR | AECOM

Figure 3

Date: June 2008

Project #: 01231-425

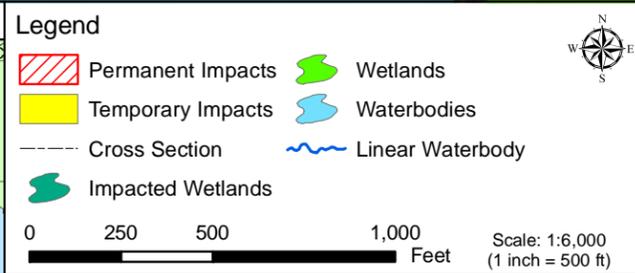


**West Laydown Yard**  
 1.55 Acres of Wetland Impacted  
 0.45 Acres of Upland Impacted

**Northwest Laydown Yard**  
 5.04 Acres of Wetland Impacted  
 3.59 Acres of Upland Impacted

**Tank Truck Loading Facilities**

**West Tank Farm**  
 12.51 Acres of Wetland Impacted  
 16.14 Acres of Upland Impacted



**Chevron Refinery Refinery Expansion**

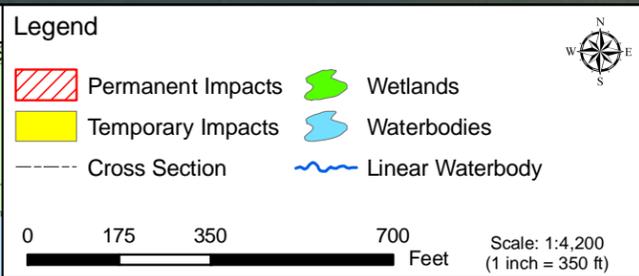
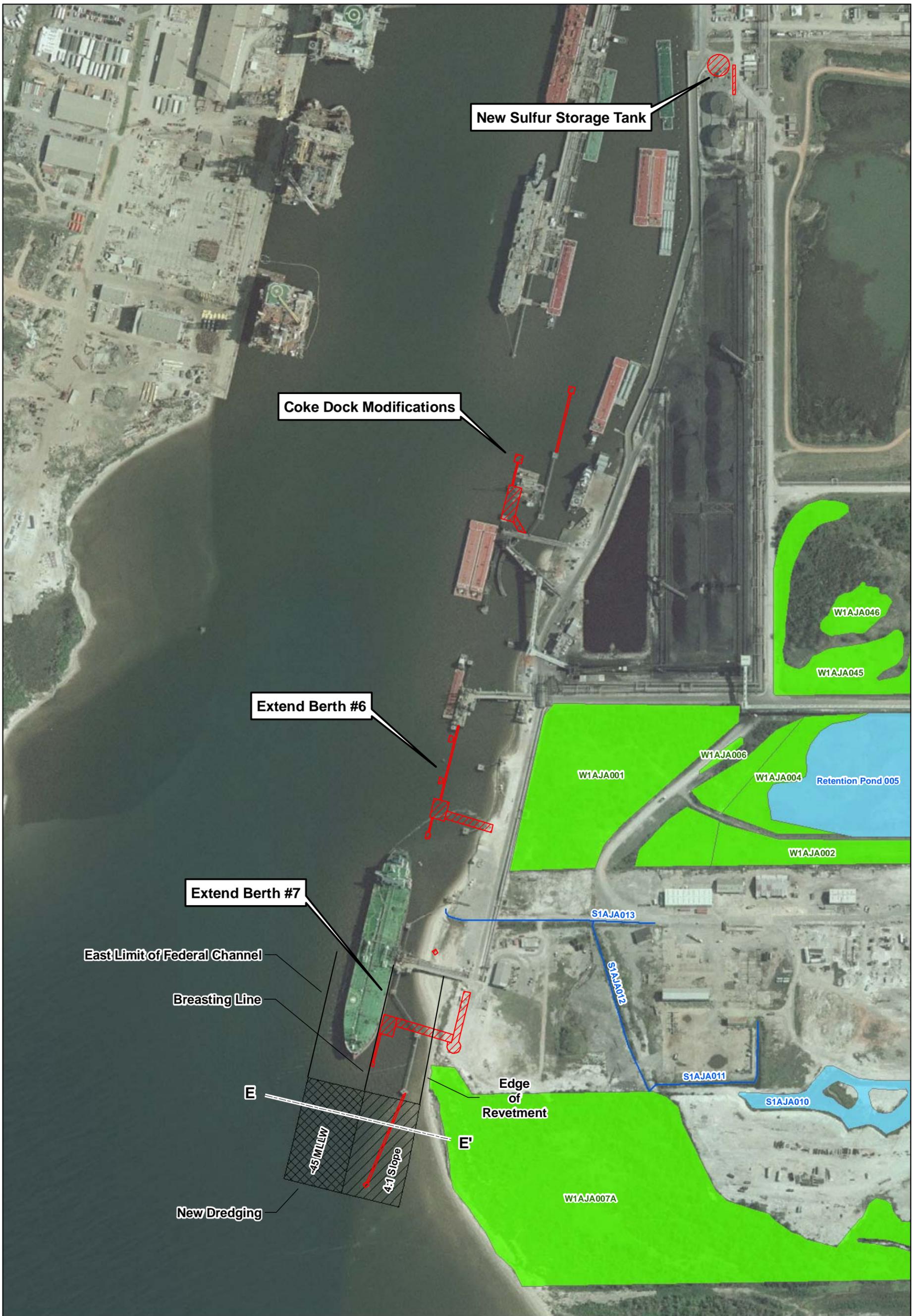
Wetland Impacts Associated With the West Tank Farm, Northwest Laydown Yard and West Laydown Yard

Image Source: ArcGIS Online Imagery Service.  
 Data Source: ENSR Data, Chevron CAD Data.

Figure 4

Date: June 2008

Project #: 01231-425



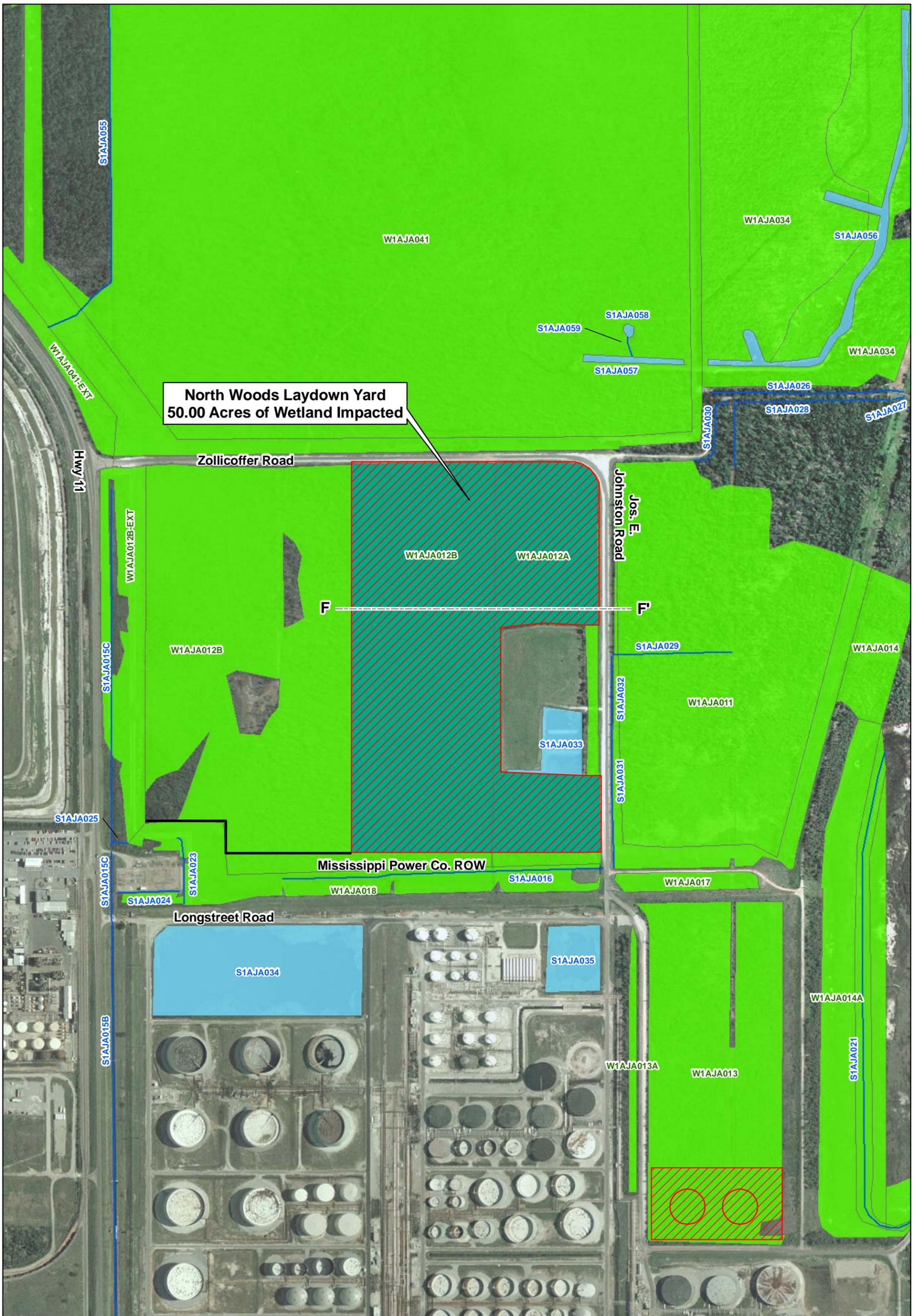
**Chevron Refinery Refinery Expansion**

Waterbody Impacts associated with Wharf Area Construction

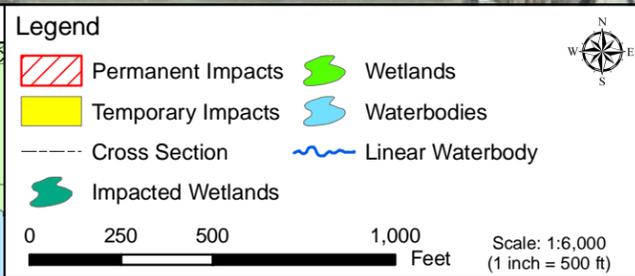
Figure 5

Date: June 2008

Project #: 01231-425



**North Woods Laydown Yard  
50.00 Acres of Wetland Impacted**



**Chevron Refinery Refinery Expansion**

Wetland Impacts associated with the North Woods Laydown Yard

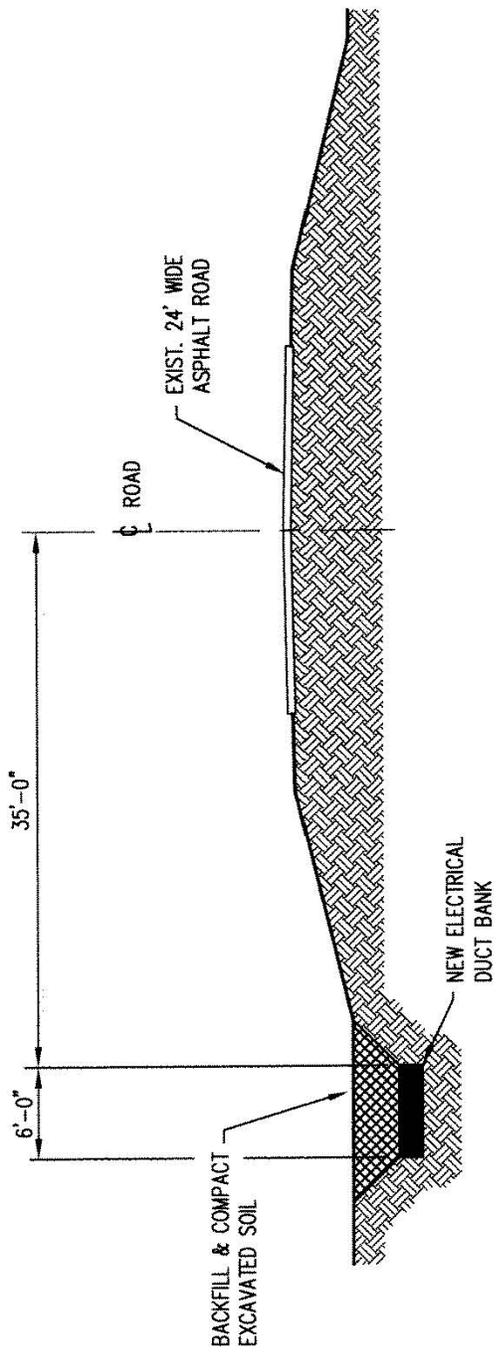
Image Source: ArcGIS Online Imagery Service.  
Data Source: ENSR Data, Chevron CAD Data.




Figure 6

Date: June 2008

Project #: 01231-425



SECTION "A-A"  
SCALE: NTS

Figure 7



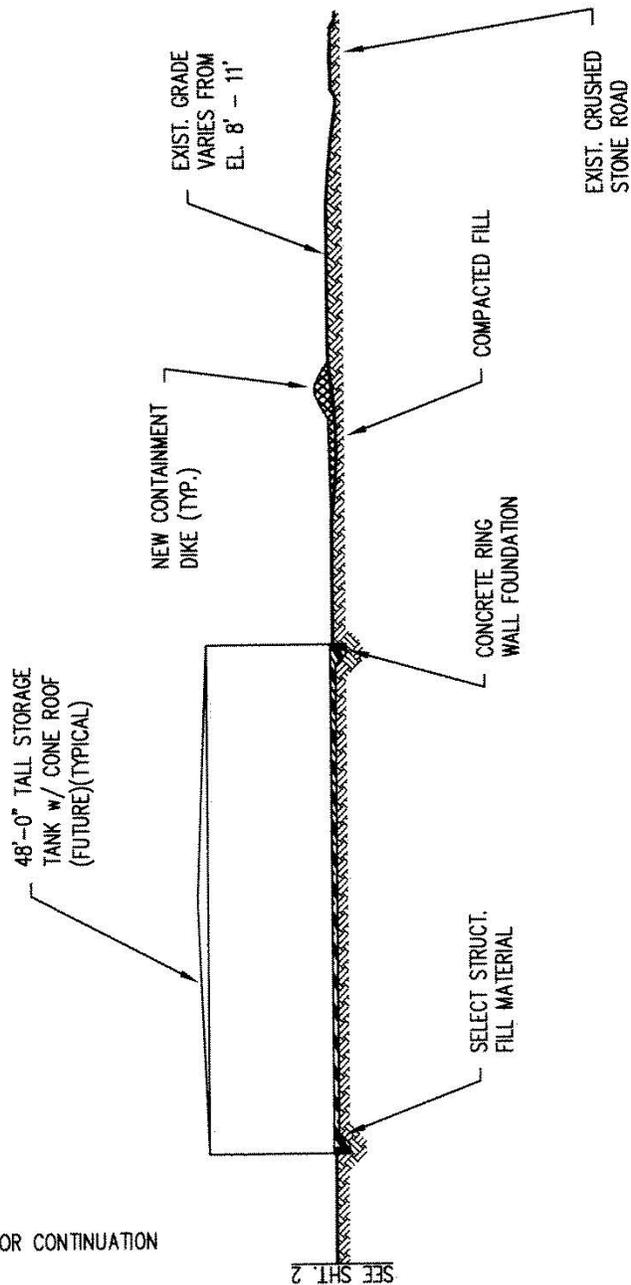
**Chevron**

Pascagoula Refinery

WETLAND IMPACTS

ELECTRICAL DUCT BANK

SECTION	PAGE	REV
A-A	1-74765-SK-002	0



SECTION "B-B"  
SCALE: NTS

Figure 8

NOTE:  
REFERENCE SHEET 2 OF 4 FOR CONTINUATION  
OF IMPACT DATA SKETCH.



**Chevron**

Pascagoula Refinery

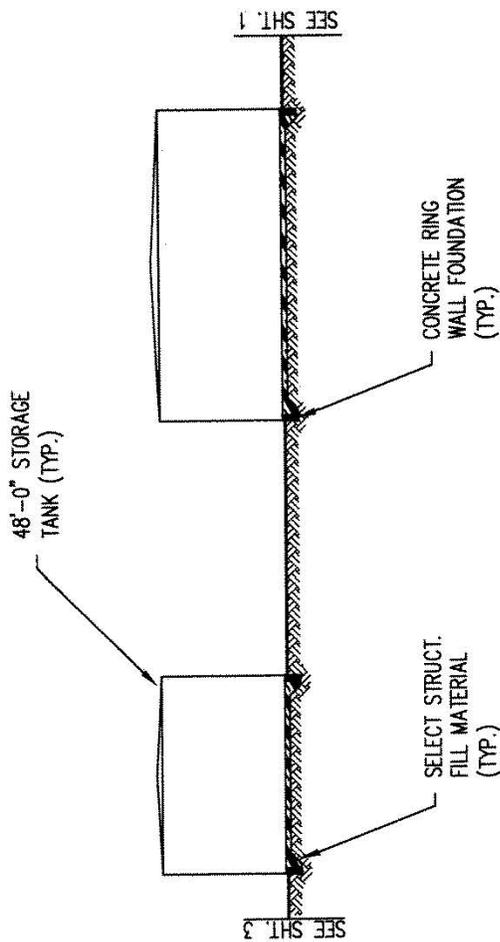
WETLAND IMPACTS

WEST TANK FARM AREAS

SECTION  
B-B

PAGE  
1-74765-SK-003

REV  
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SECTION "B-B" (CONT.)  
SCALE: NTS

Figure 9

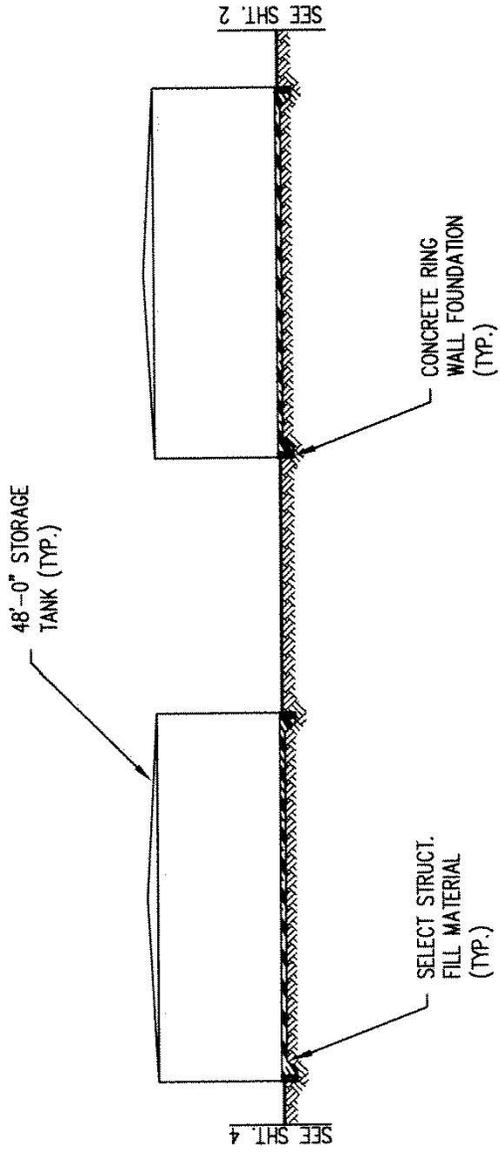
NOTE:  
REFERENCE SHEET 3 OF 4 FOR CONTINUATION  
OF IMPACT DATA SKETCH.



**Chevron**  
Pascagoula Refinery

WETLAND IMPACTS  
WEST TANK FARM AREAS

SECTION	PAGE	REV
B-B	1-74765-SK-004	0



SECTION "B-B" (CONT.)

SCALE: NTS

Figure 10

NOTE:  
REFERENCE SHEET 4 OF 4 FOR CONTINUATION  
OF IMPACT DATA SKETCH.



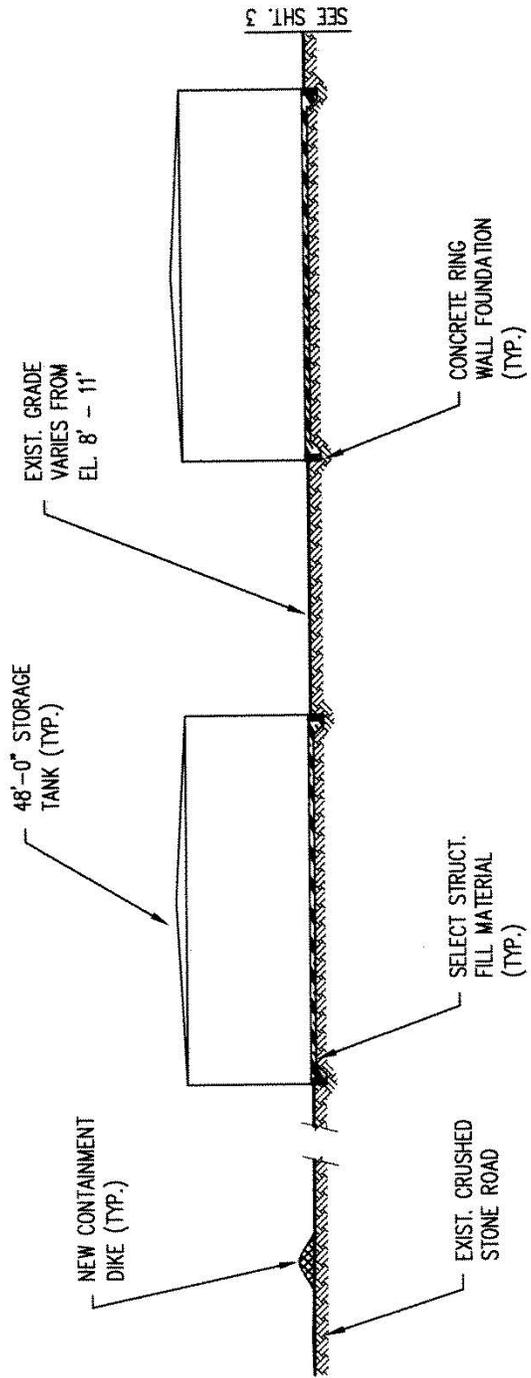
**Chevron**

Pascagoula Refinery

WETLAND IMPACTS

WEST TANK FARM AREAS

SECTION	PAGE	REV
B-B	1-74765-SK-005	0



SECTION "B-B" (CONT.)

SCALE: NTS

Figure 11



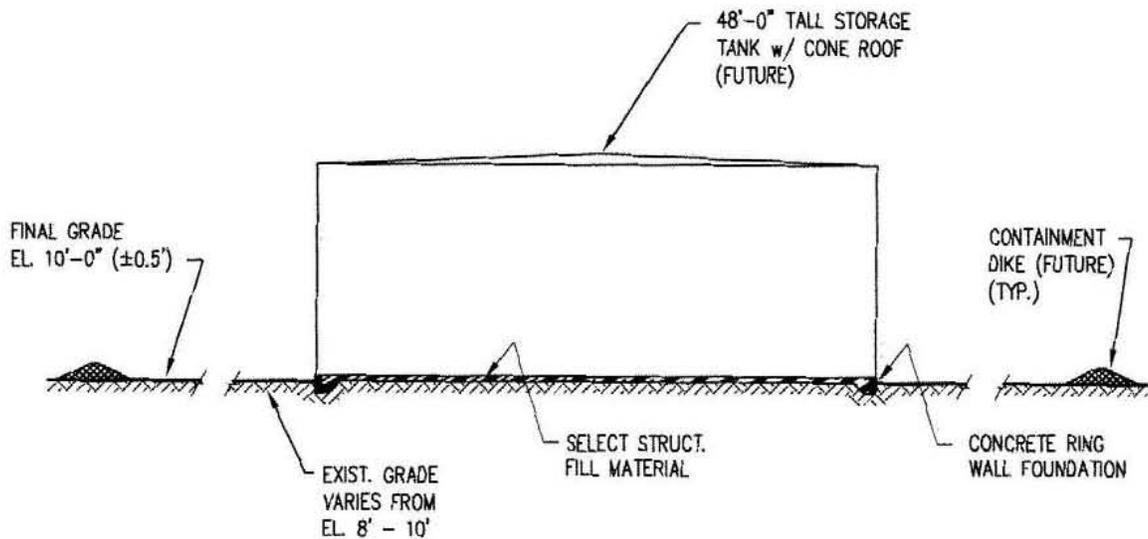
**Chevron**

Pascagoula Refinery

WETLAND IMPACTS

WEST TANK FARM AREAS

SECTION	PAGE	REV
B-B	1-74765-SK-006	0



SECTION "C-C"

SCALE: NTS

Figure 12



WETLAND IMPACTS

NORTHWEST LAYDOWN YARD



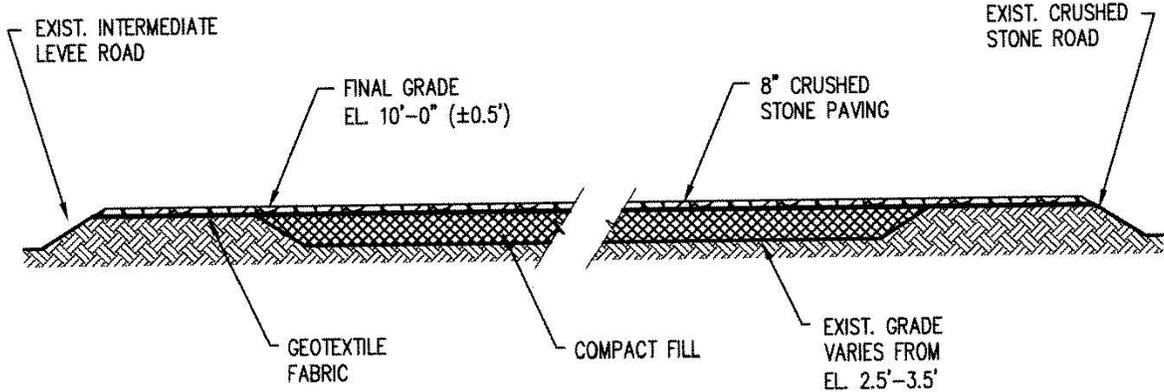
**Chevron**

Pascagoula Refinery

SECTION  
C-C

PAGE  
1-74765--SK-007

REV  
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**SECTION "D-D"**

SCALE: NTS

Figure 13



**Chevron**

Pascagoula Refinery

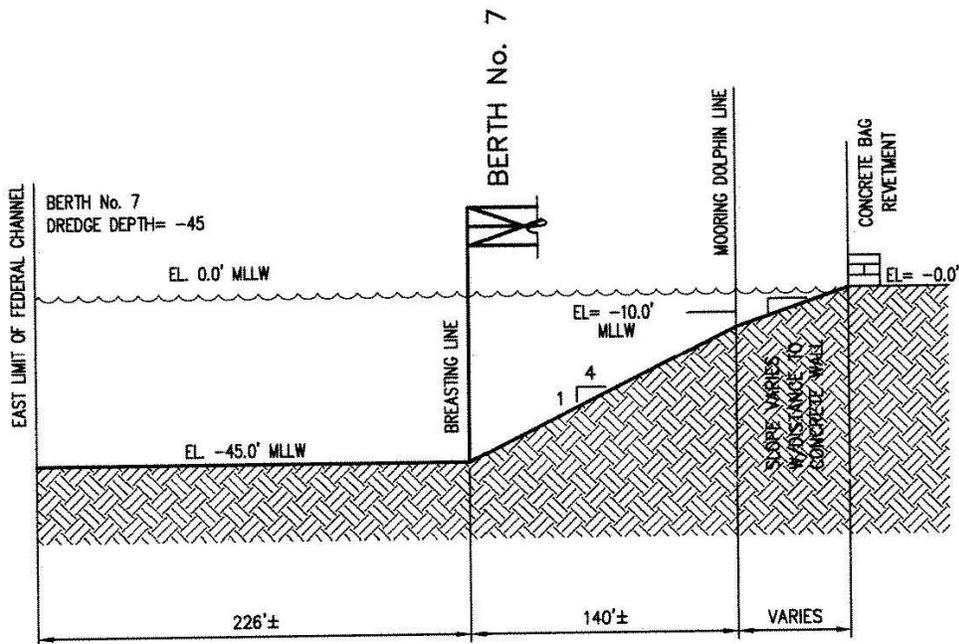
WETLAND IMPACTS

WEST LAYDOWN YARD AREA

SECTION  
D-D

PAGE  
1-74765-SK-008

REV  
0



SECTION "E-E"

SCALE: NTS

NOTE:  
REFERENCE SKT-011 FOR AREA SURFACE PLAN.

Figure 14



**Chevron**

Pascagoula Refinery

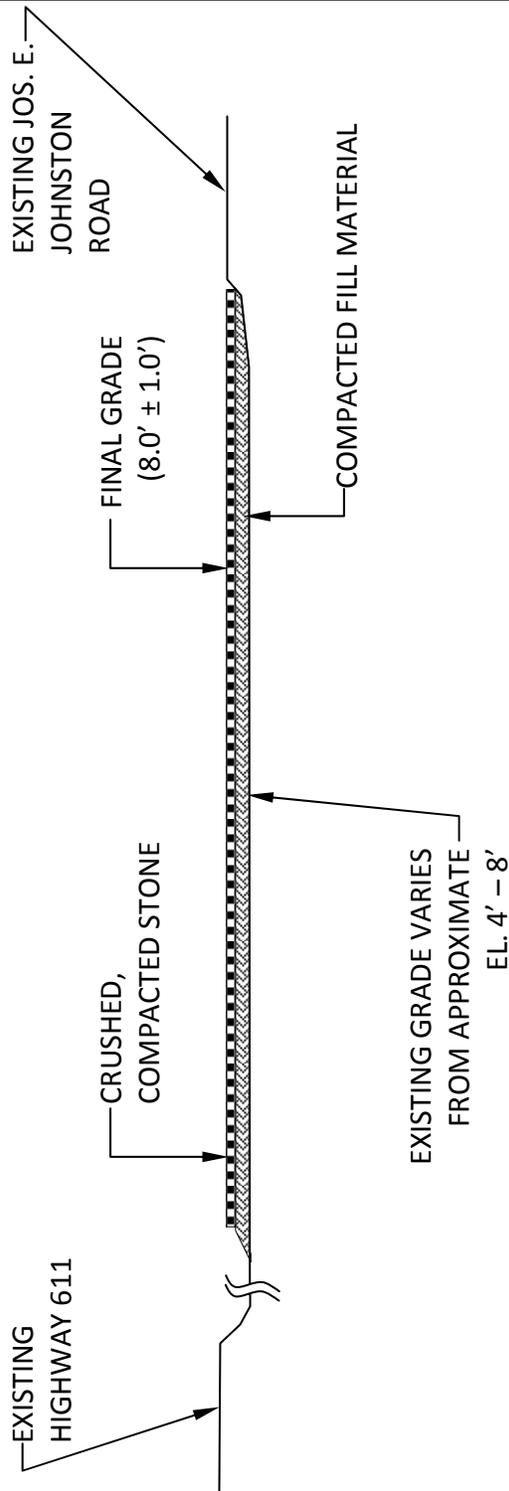
WATERBODY IMPACT

WHARF AREA

SECTION  
E-E

PAGE  
1-74765-SK-010

REV  
0



**SECTION "F-F"**  
SCALE: NTS

Figure 15



**Chevron**

Pascagoula Refinery

WETLAND IMPACTS

NORTH WOODS LAYDOWN YARD

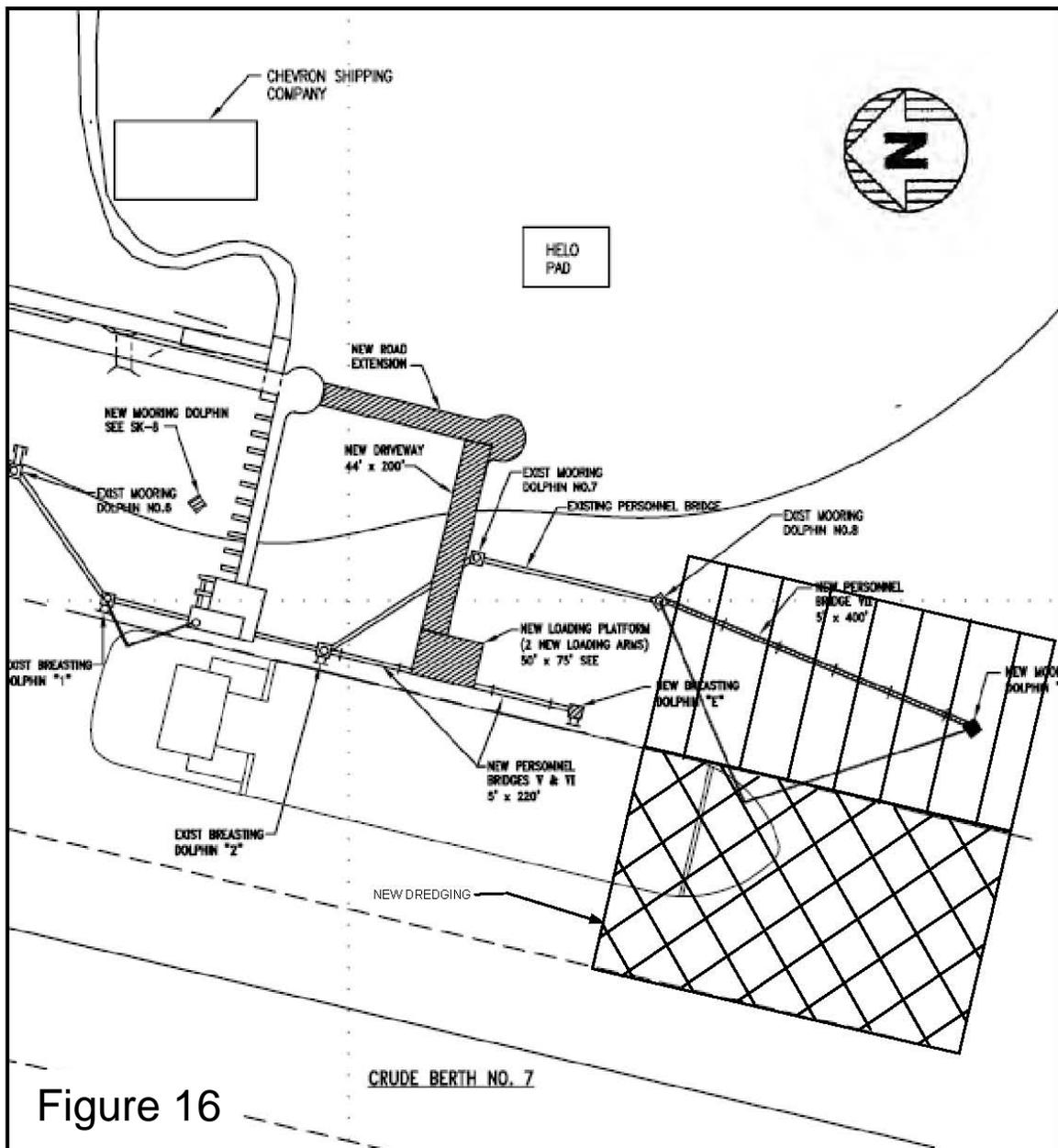


Figure 16

Plan View – Berth 7 Structure  
Detail of Proposed Dredging



**JACOBS**

A BECHTEL JACOBS JOINT VENTURE

BECHTEL JOB NO:  
JACOBS JOB NO: 07MA02XX  
BJJV DWG. NO: 45-74765-SK-003

TECH. APPROVALS	OPER. APPROVALS	 Chevron Pascagoula Refinery	MARINE FACILITIES DOCK LAYOUT & UTILIZATION
			DOCK AREA
			PASCAGOULA BASE OIL PROJECT
			PLANT 45 – DOCK
APPROP. NUMBER	ENGR. JOB NUMBER	DRAWN BY: JPS DATE: 3/08 SCALE: AS NOTED	45-74765-SK-003
		CHECKED BY: APPROVED BY: ENGR: DW	
			REV A

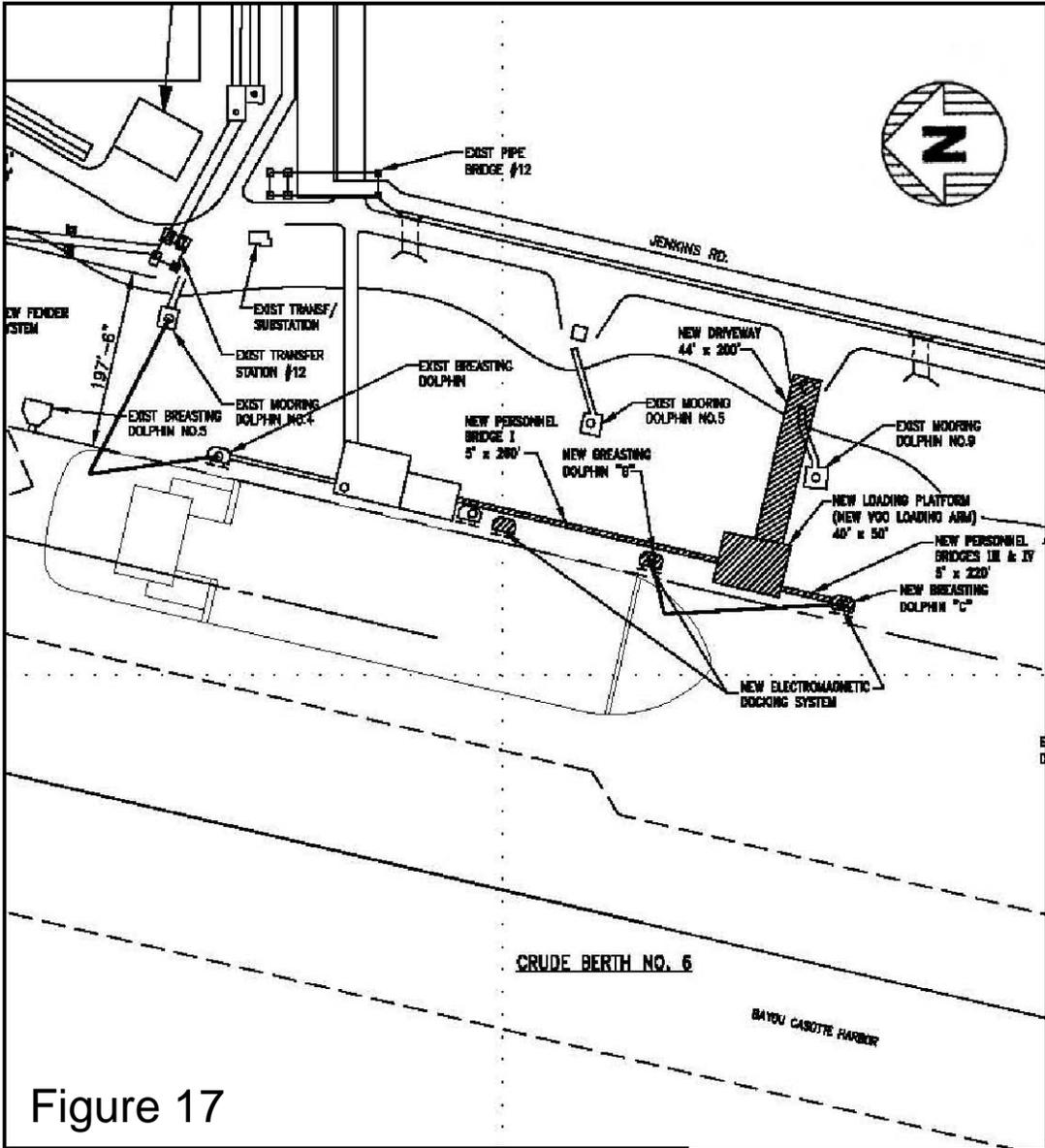


Figure 17

Plan View – Berth 6 Structure



**JACOBS**

A BECHTEL JACOBS JOINT VENTURE

BECHTEL JOB NO:  
 JACOBS JOB NO: 07MA02XX  
 BJJV DWG. NO: 45-74765-SK-003

TECH. APPROVALS	OPER. APPROVALS	 <b>Chevron</b> Pascagoula Refinery	MARINE FACILITIES DOCK LAYOUT & UTILIZATION	
			DOCK AREA	PASCAGOULA BASE OIL PROJECT
APPROP. NUMBER	ENGR. JOB NUMBER	DRAWN BY: <u>JPS</u> DATE: <u>3/08</u> SCALE: <u>AS NOTED</u> CHECKED BY: _____    APPROVED BY: _____    ENGR: <u>DW</u>	45-74765-SK-003	REV A

