

EXISTING REACH H2 LEVEE FOR FUTURE LEVEE IMPROVEMENT. ACCESS CANAL REMOVED TO CREATE A COMMERCIAL BOAT ACCESSIBLE CANAL. THE MATERIAL WILL BE STOCKPILED ON THE APPROXIMATELY 31,000 CUBIC YARDS OF MATERIAL

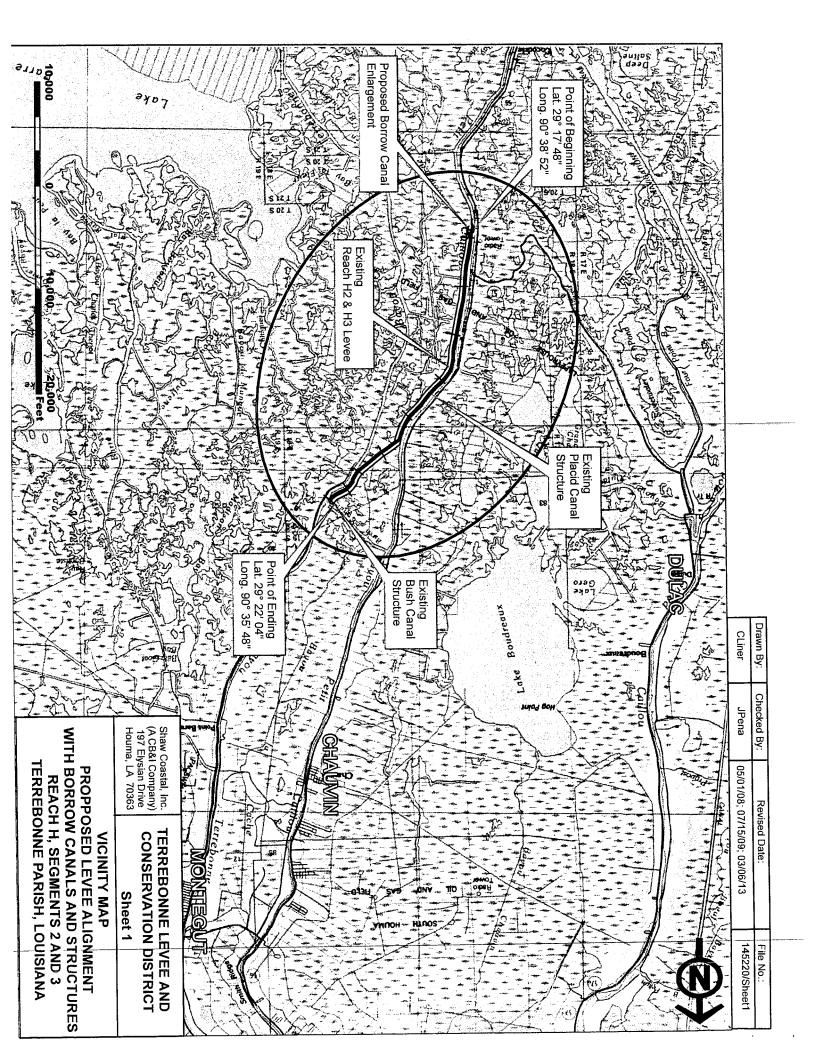
APPROXIMATELY 1,000 CUBIC YARDS OF RIP RAP WILL BE PLACED ALONG THE BANKLINE FOR EROSION AND STABILIZATION PURPOSES.

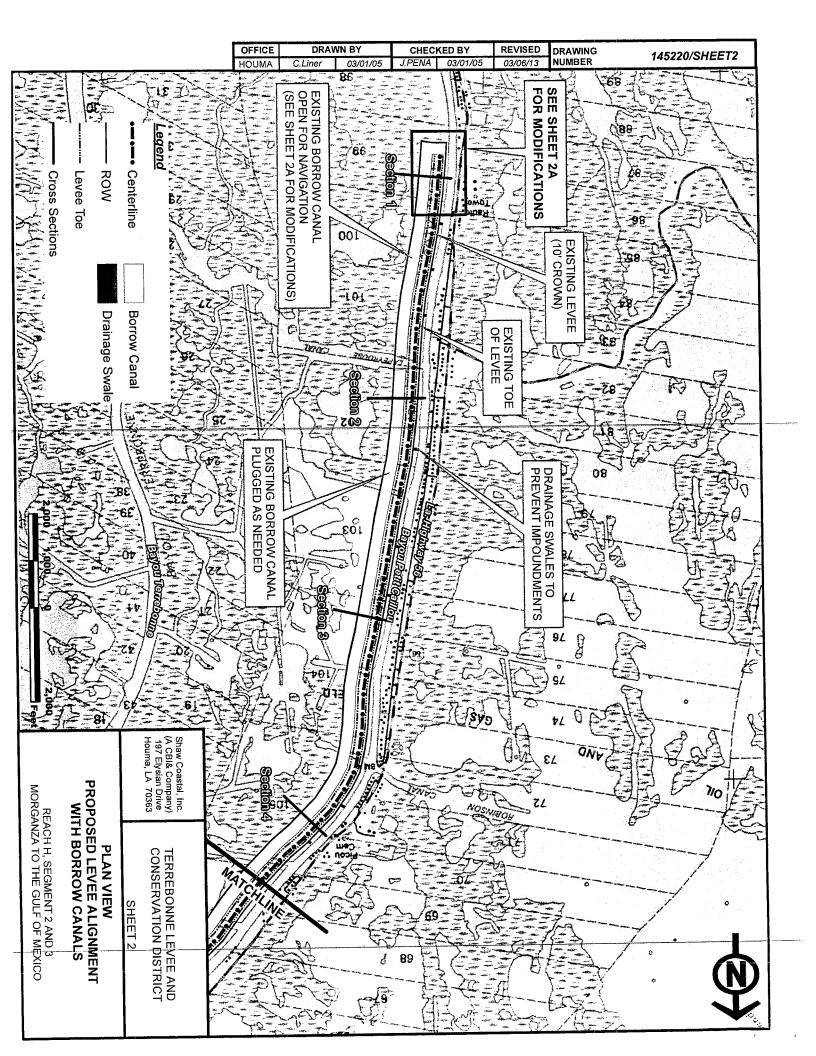
APPROXIMATELY 0.4 ACRES OF RIDGE HABITAT AND 0.5 ACRES OF MARSH HABITAT WILL BE IMPACTED BY THIS ACTIVITY.

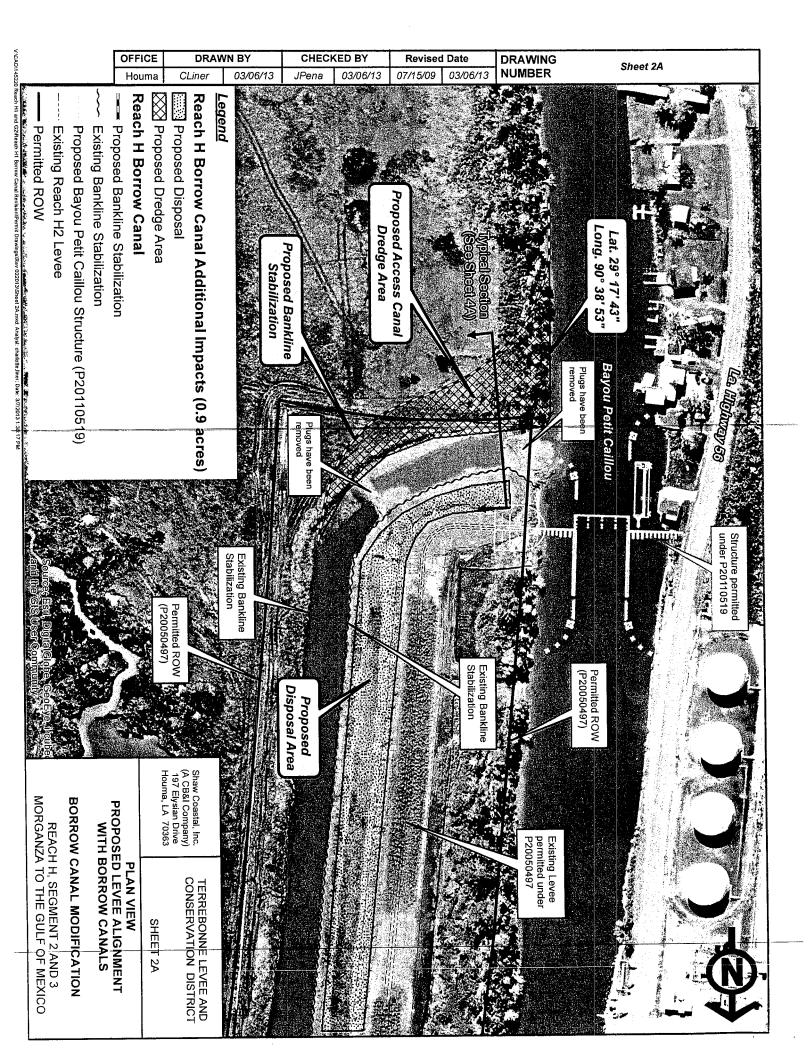
# TYPICAL CROSS SECTION

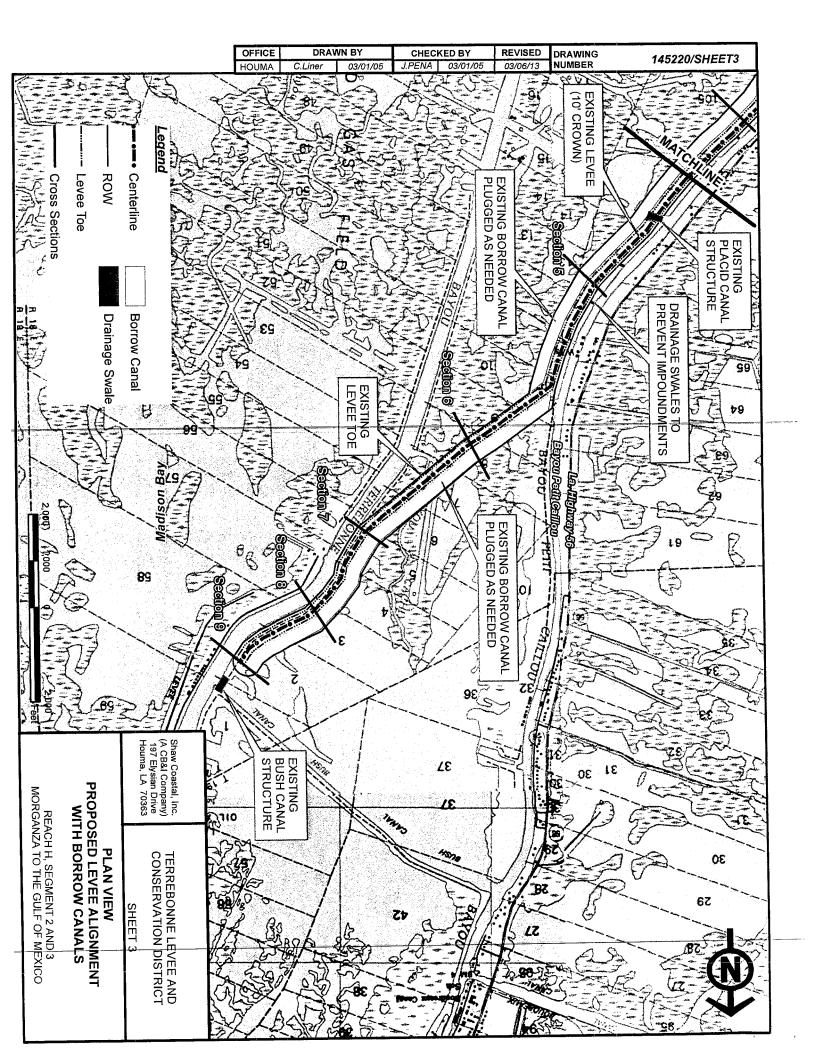
SCALE: 1'' = 50' 0 25' 50' 75' 10'

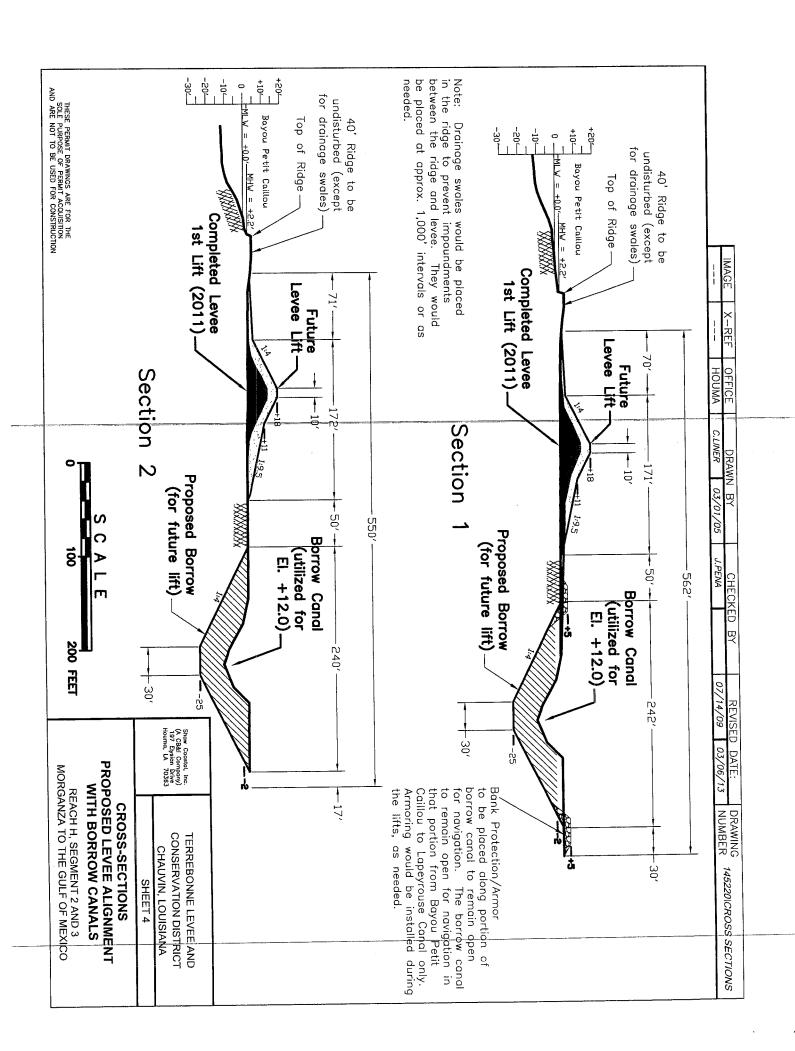
TERREBONNE LEVEE AND CONSERVATION DISTRICT
REACH H2/H3 LEVEE AND STRUCTURES — MODIFICATION
SECTION 99, T20S—R18E
TERREBONNE PARISH, LOUISIANA

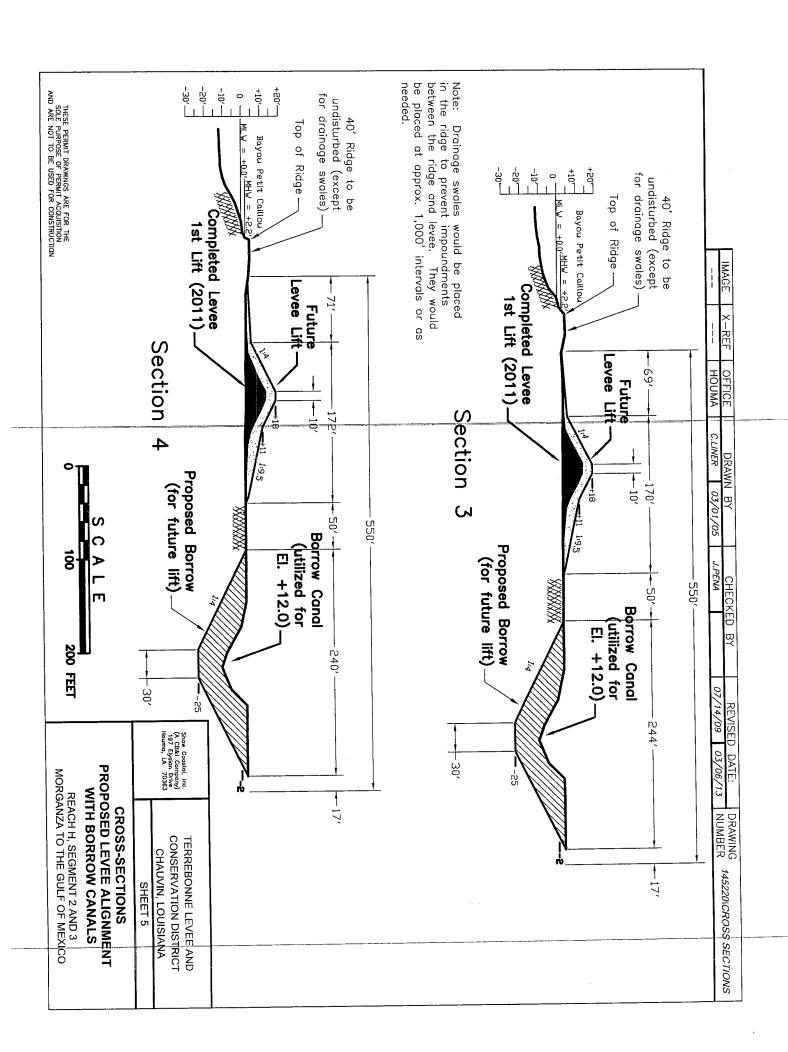


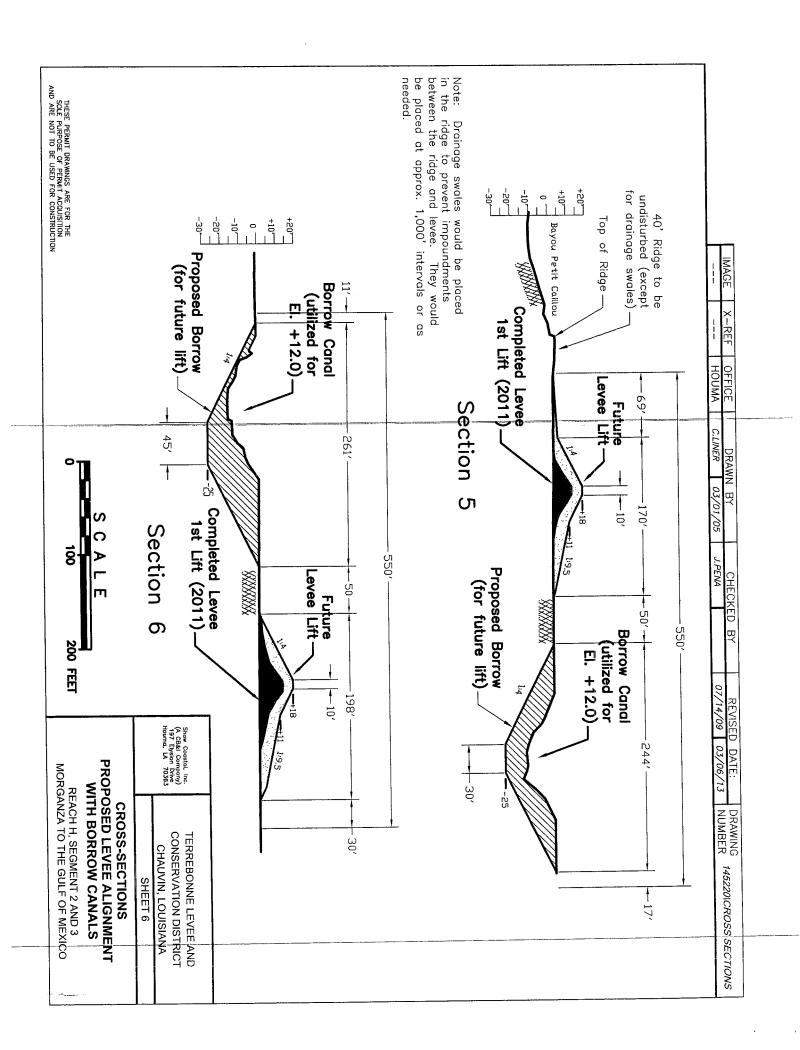


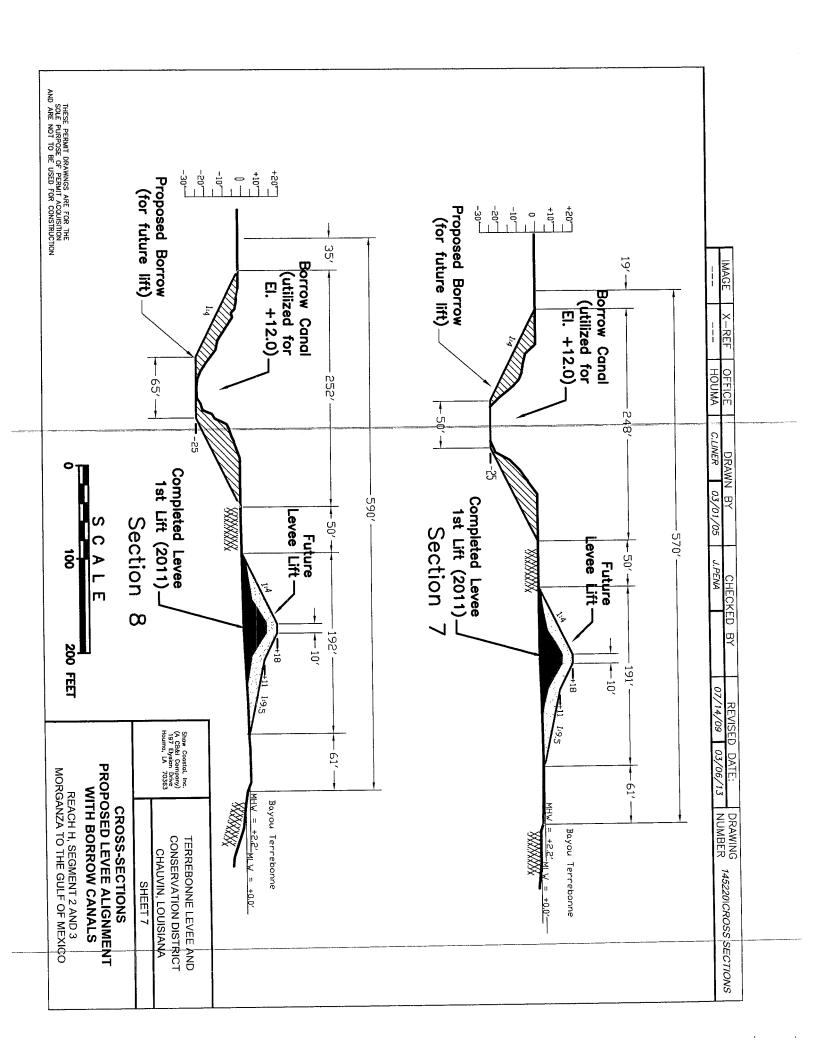


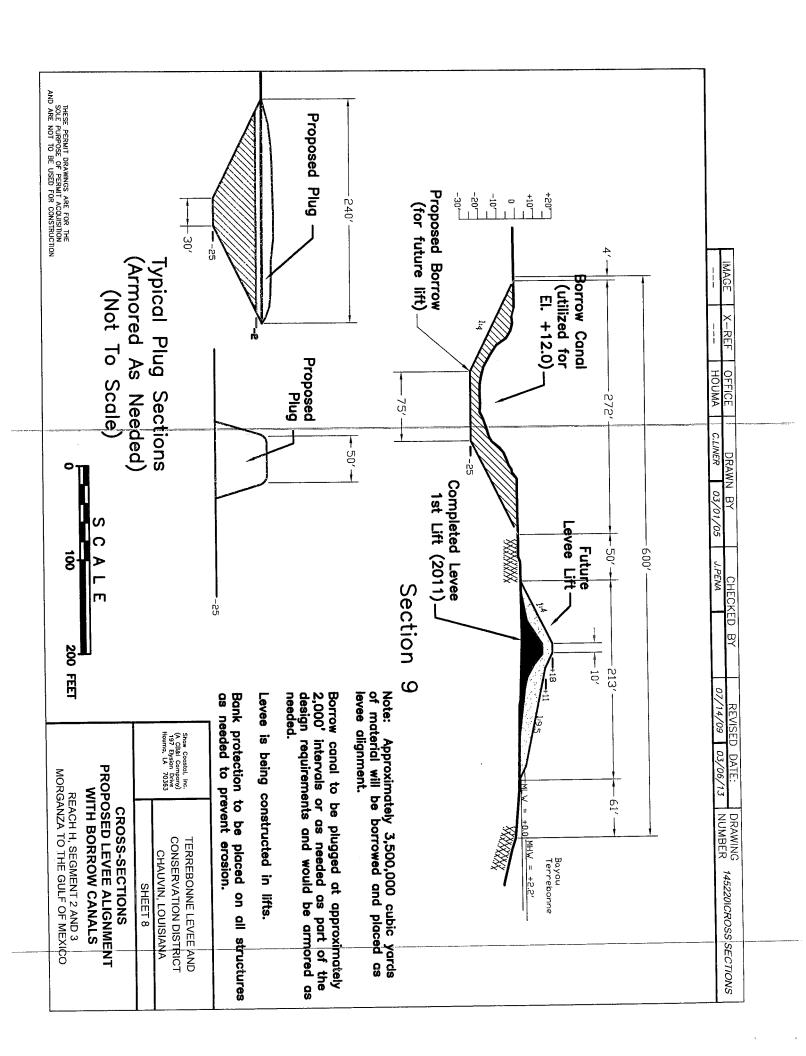


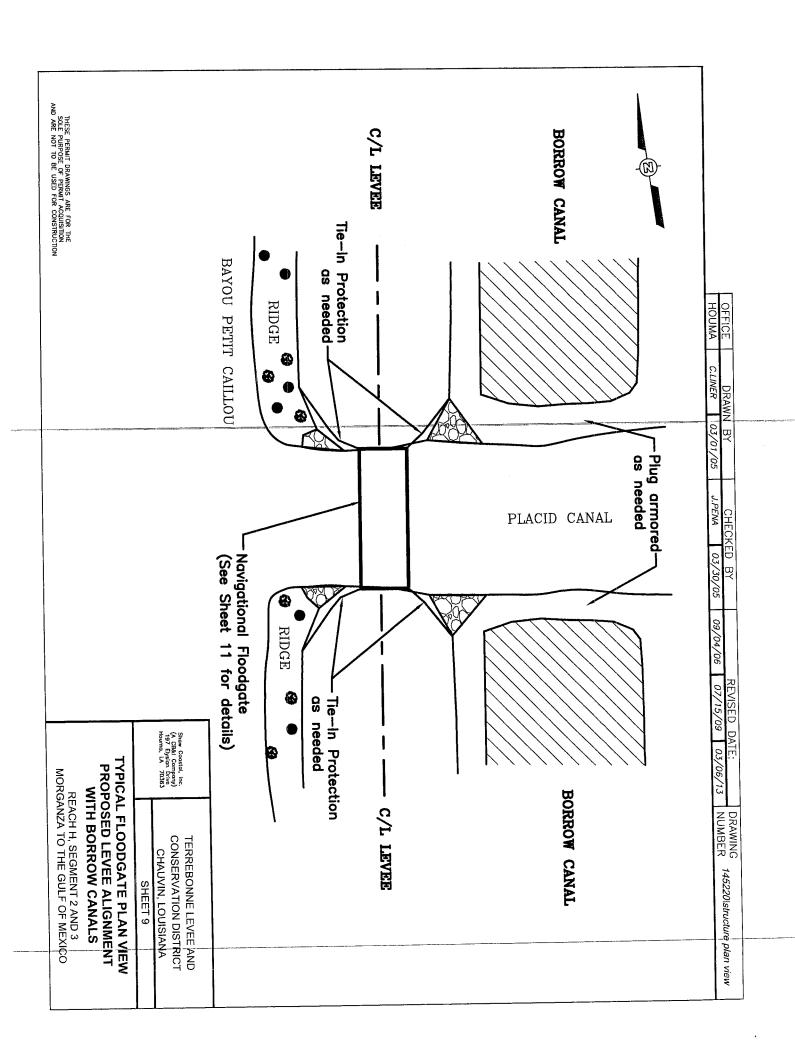


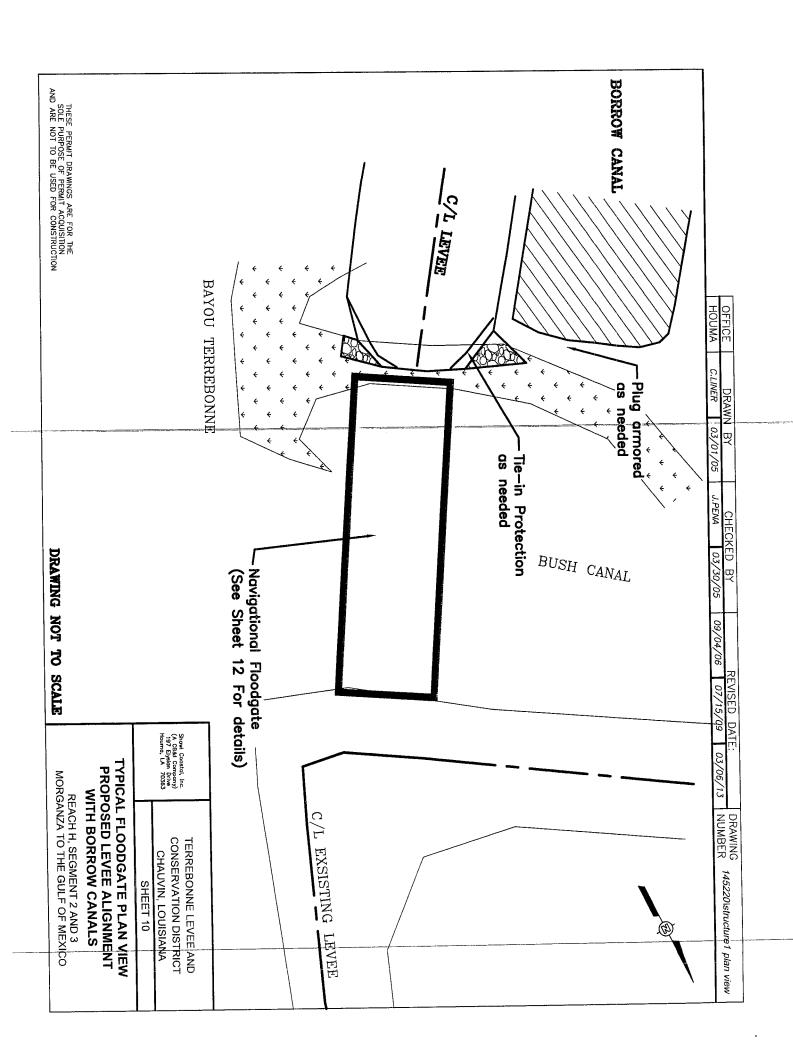


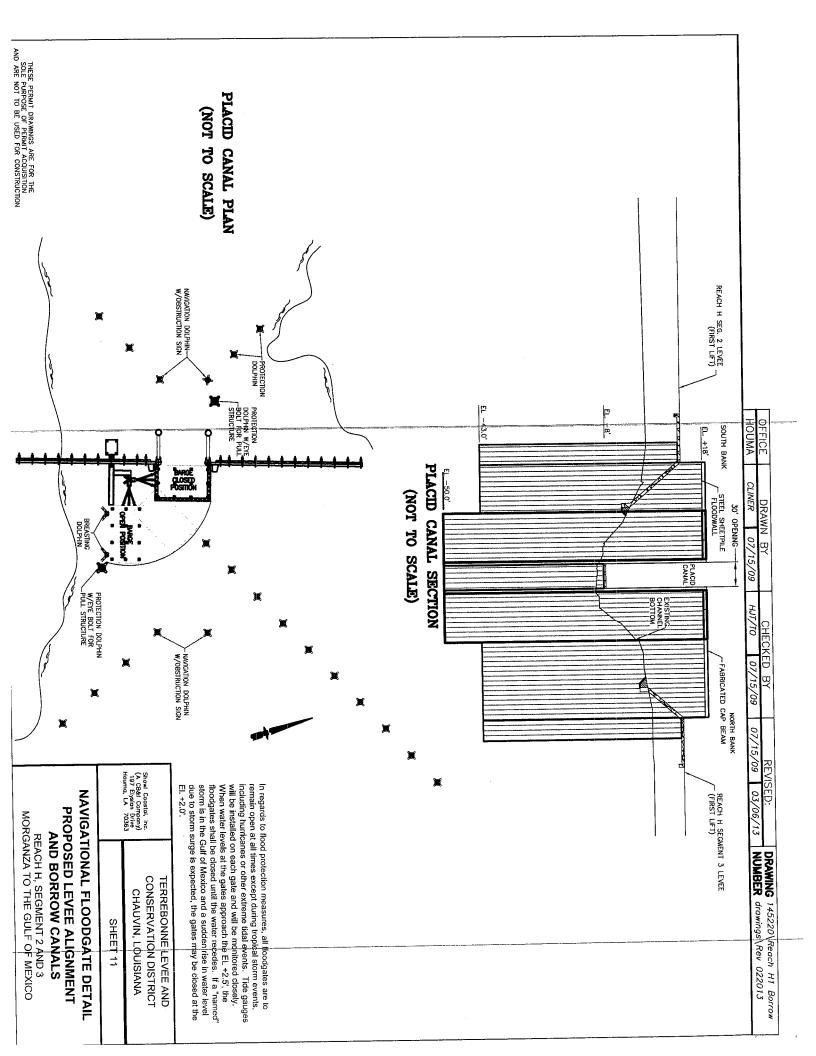


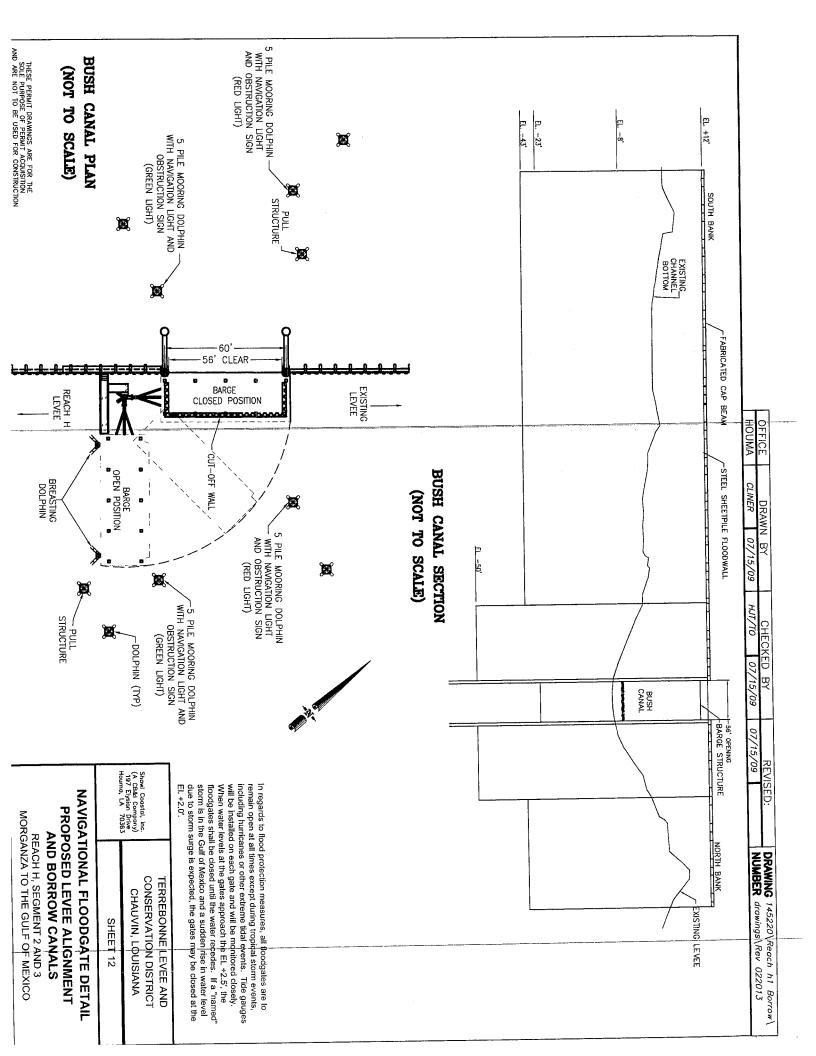


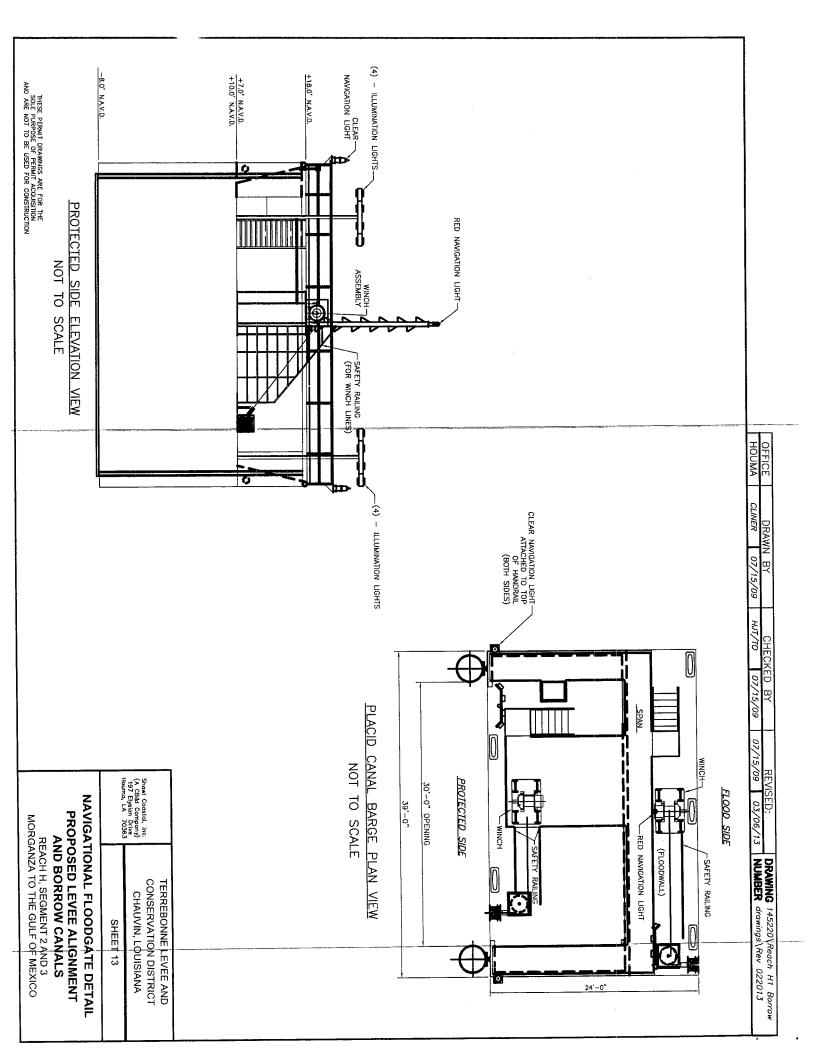








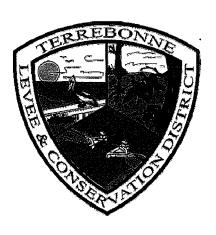




# TERREBONNE LEVEE AND CONSERVATION DISTRICT

# Reach H, Segments 2 and 3

# Mitigation Plan Supplement to Revised Plan Dated June 4, 2008



SCI Project No. 145220

MAY 13, 2013

Prepared by:

Shaw Coastal, Inc. (A CB&I Company) 197 Elysian Drive Houma, LA 70363

# MORGANZA TO THE GULF, LA REACH H, SEGMENTS 2 AND 3 PERMITTING

MITIGATION PLAN SUPPLEMENT TO REVISED PLAN DATED JUNE 4, 2008

PREPARED FOR

TERREBONNE LEVEE AND CONSERVATION DISTRICT

BY

SHAW COASTAL, INC.

**MAY 2013** 

SCI PROJECT No. 145220

**CUP NUM: P20050497** 

**COE NUM: MVN-2005-1663-CY** 

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#### 1.0 Introduction

Reach H, Segments 2 and 3, are a part of the Morganza to the Gulf Hurricane Protection System proposed for Terrebonne Parish, to protect people, infrastructure and the environment (including interior wetlands) from flooding and hurricane storm surge. The segments 2 and 3 consist of dredging approximately 3.5 million cubic yards of material to build approximately eight (8) miles of levee. Additionally, flood control structures would be built in Placid Canal and Bush Canal. Shoreline protection and borrow canal plugs would be placed as needed. The Louisiana Department of Natural Resources permit for this work (CUP No. P20050497) was approved on October 17, 2008 and the U. S. Army Corps of Engineers permit (2005-1663-CY) was approved on November 13, 2008.

*Update:* Reach H2 and H3 has been constructed to a +12.0' elevation. Bush Canal and Placid Canal Structures are complete and operational.

# The below table represents the status of this marsh creation mitigation plan as of January 2013.

Completion %	Notes
100%	Fill and Post Construction Survey Complete
100%	Fill and Post Construction Survey Complete
100%	Fill Complete
100%	Fill Complete
100%	Fill and Post Construction Survey Complete
0%	Not in current contract
100%	Fill Complete
0%	Change Order given to Subcontractor
0%	Not in current contract
0%	Not in current contract
	100% 100% 100% 100% 100% 100% 0% 0%

# 2.0 Purpose of Supplement

This supplement has been prepared for additional acreage as identified in Figure 1 based on additional impact area at the southern end of Reach H2 at the Bayou Petit Caillou Structure as described, in Section 3.0 and for required modifications to the during design as described in Section 4.

#### 3.0 Additional Impact Area

Upon construction completion of the first lift of the Reach H2 Levee, it was determined that the entrance of the access canal from Bayou Petit Caillou, just below the levee, should be modified to enlarge the channel at the intersection for boat traffic purposes. The modification will increase the entrance to the access canal from Bayou Petit Caillou just south of the H2 levee. This modification will allow tug boats and barges a safer passage to and from Bayou Petit Caillou and the access canal. This additional construction will impact approximately 0.5 acres of marsh and 0.4 acres of ridge habitat.

#### 4.0 Mitigation

Due to the slight increase in impacts for the modification, the original mitigation plan is being modified to include an additional marsh creation area and potential alternate location. The New Fill Area is approximately 17 additional acres and the alternate location, Area A North, is 12 acres. Also due to the location of nearby pipelines, Area E had to be modified to reduce impacts to those existing pipelines. Figure 1 shows the location of the New Fill Area, Area A North along with the modified Area E. This modified marsh creation areas will create approximately 375 acres of marsh habitat. This total does not include the alternate location labeled as Area A North.

The target marsh complex elevations, vegetative cover, monitoring and other aspects as proposed in the original mitigation plan will remain the same.

