

JOINT PUBLIC NOTICE

June 17, 2013

United States Army
Corps of Engineers
New Orleans District
Regulatory Branch
Post Office Box 60267
New Orleans, La. 70160-0267

(504) 862-2224 FAX (504) 862-2574
Project Manager
Bobby Quebedeaux
Permit Application Number
MVN-2005-1663-WJJ

State of Louisiana
Department of Environmental Quality
Post Office Box 4313
Baton Rouge, LA 70821-4313

(225) 219- 3225 FAX (225) 325-8250
Project Manager
Jamie Phillippe
Application Number
WW 050513-01

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to: Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

Application has also been made to the Louisiana Department of Environmental Quality for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS 30:2074 A(3) and provisions of Section 401 of the Clean Water Act.

Modification/Time Extension for MtoG, Reach H, Segment 2 & 3 Levee, Terrebonne Parish

NAME OF APPLICANT: Terrebonne Levee and Conservation District, Attn: Reggie Dupre, 220-A Clendenning Road, Houma, Louisiana 70363

LOCATION OF WORK: South of Bush Canal along Bayou Petit Caillou, in Chauvin/Montegut, Louisiana, in Terrebonne Parish (29.29667, -90.64778, Terrebonne Bay Watershed, HUC: 08090302), as shown in the attached drawings dated March 6 and May 13, 2013.

CHARACTER OF WORK: 3-year construction time extension and modification, specifically to increase the entrance to the access canal from Bayou Petit Caillou just south of the Reach H, Segment 2 and 3 levee, to allow for safer shipping passage to/from Bayou Petit Caillou and the access canal. Project modification implementation would impact 0.5 acres of wetlands, to be mitigated for by marsh creation (an additional 6 acres) at ongoing project mitigation site.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close **20 days** from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be mailed, so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH**. **Individuals or parties may request an extension of time in which to comment on the proposed work by writing to the project manager or clicking on the project manager's name on the public notice grid on the web page. Any request must be specific and substantively supportive of the requested extension and received by this office prior to the end of the initial comment period. The Section Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and, inclusive of the initial comment period, will not exceed a total of 30 calendar days.** Similar letters concerning the Water Quality Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality at the address above.

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

Corps of Engineers Permit Criteria

The decision whether to issue a permit will be based on an evaluation of the probable impacts, 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, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, 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 U.S. Army Corps of Engineers to determine whether to make, 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 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.

No properties listed on the National Register of Historic Places are near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Copies of this notice are being sent to the State Archeologist and the State Historic Preservation Officer.

Our initial finding is that the proposed work would neither affect any species listed as endangered by the U.S. Departments of Interior or Commerce, nor affect any habitat designated as critical to the survival and recovery of any endangered species.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of **6.5 acre(s)** of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate water quality standards will be required from the Department of Environmental Quality before a permit is issued.

The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program. The Department of the Army permit will not be issued unless the applicant received approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

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.

You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

Darrell S. Barbara
Chief, Western Evaluation Section
Regulatory Branch

Enclosure



VICINITY MAP



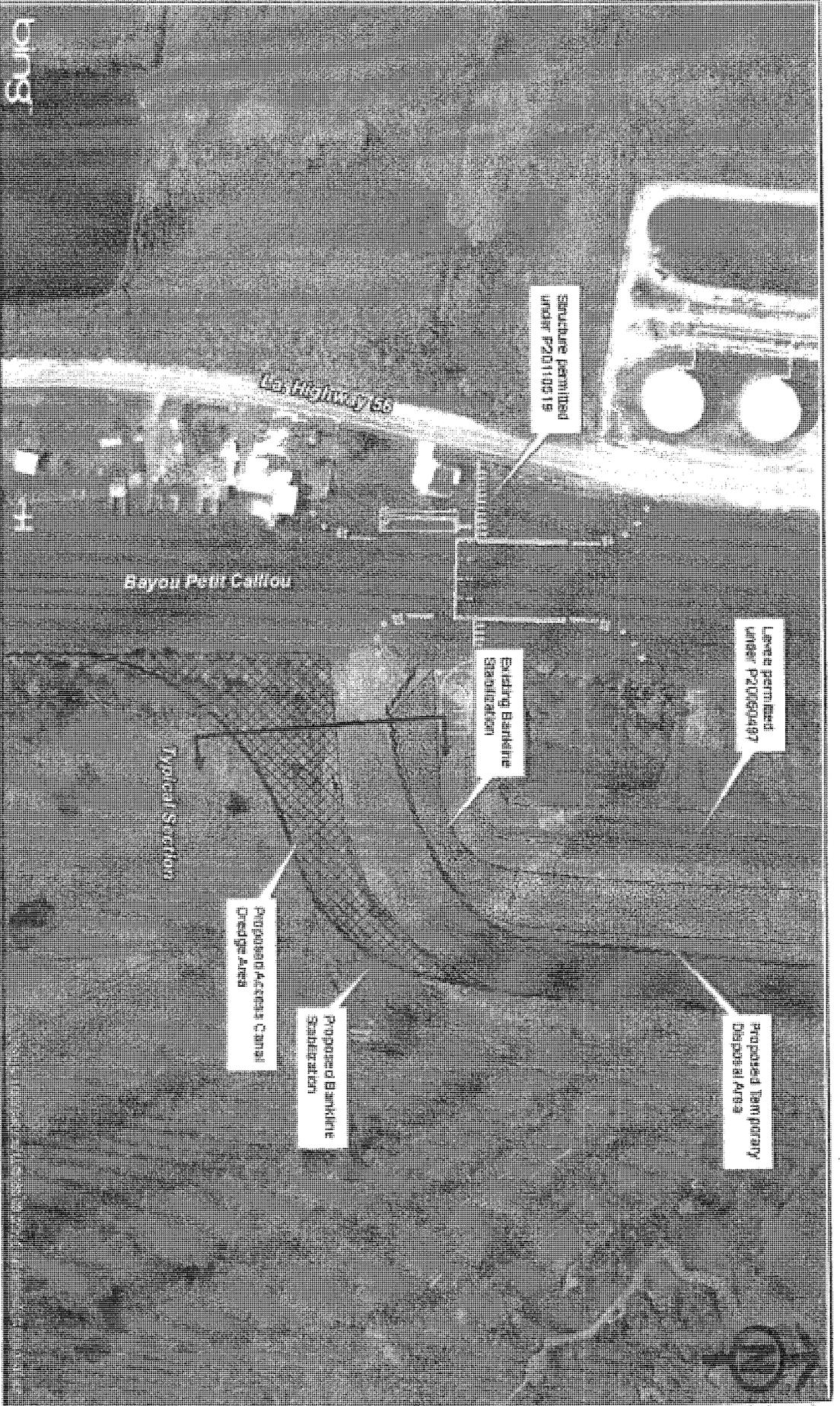
**TERREBONNE LEVEE AND CONSERVATION DISTRICT
REACH H2/H3 LEVEE AND STRUCTURES - MODIFICATION
SECTION 99, T20S - R18E
TERREBONNE PARISH, LOUISIANA**

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Date:	02/06/13	Drawn By:	CDL	Sheet No.:	MOD 1 OF 3
Scale:	1"=200'	Approved By:	JMP	File No.:	145220

Revisions	
Revision No.:	Date:

Shaw Shaw Coastal, Inc.
197 Elysian Drive, Houma, LA 70363



PLAN VIEW

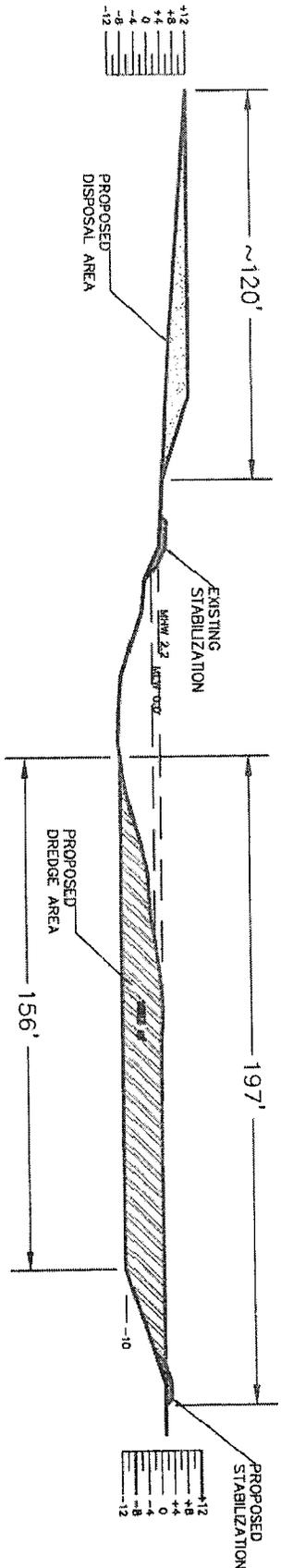


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Scale:	1"=200'	Approved By:	JMP	File No.:	145226

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

Revision No.	Date	Revised


Shaw Shaw Coastal, Inc.
 197 Elvash Drive, Houma, LA 70363

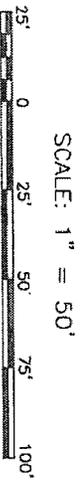


NOTES: APPROXIMATELY 31,000 CUBIC YARDS OF MATERIAL WILL BE REMOVED TO CREATE A COMMERCIAL BOAT ACCESSIBLE ACCESS CANAL. THE MATERIAL WILL BE STOCKPILED ON THE EXISTING REACH H2 LEVEE FOR FUTURE LEVEE IMPROVEMENT.

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.

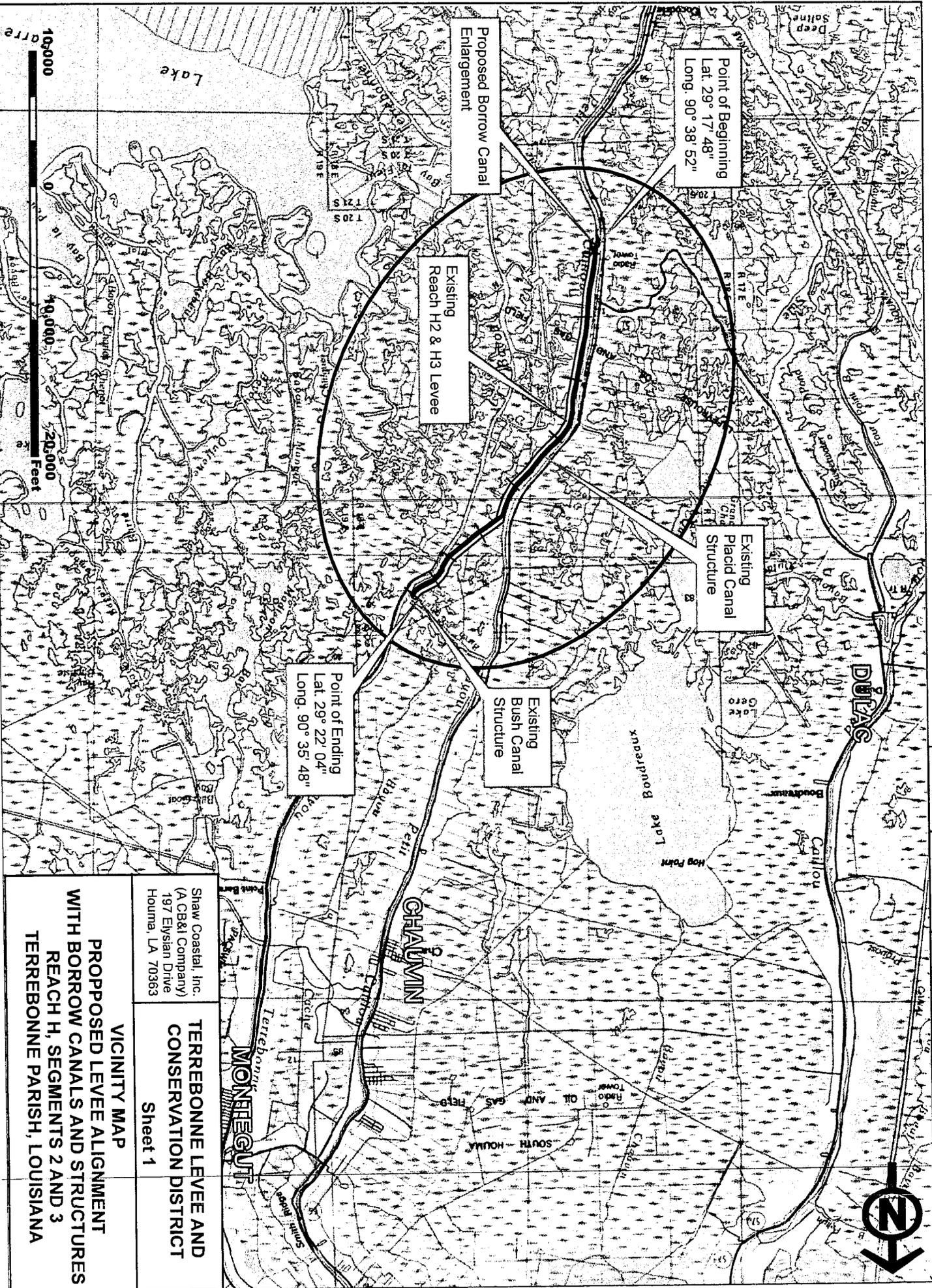
TYPICAL CROSS SECTION



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

DATE: 02/06/13	DRAWN BY: COL	SHEET NO.: MOD 3 of 3	NO.:	DATE:
SCALE: 1" = 50'	APPROVED BY: JMP	FILE NO.: 145220		
Shaw's Shaw Coastal, Inc. 197 Elysian Drive, Houma, Louisiana 70363				

Drawn By:	Checked By:	Revised Date:	File No.:
Cliner	JPena	05/01/08; 07/15/09; 03/06/13	145220/Sheet1



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 (A CB&I Company)
 197 Elystan Drive
 Houma, LA 70363

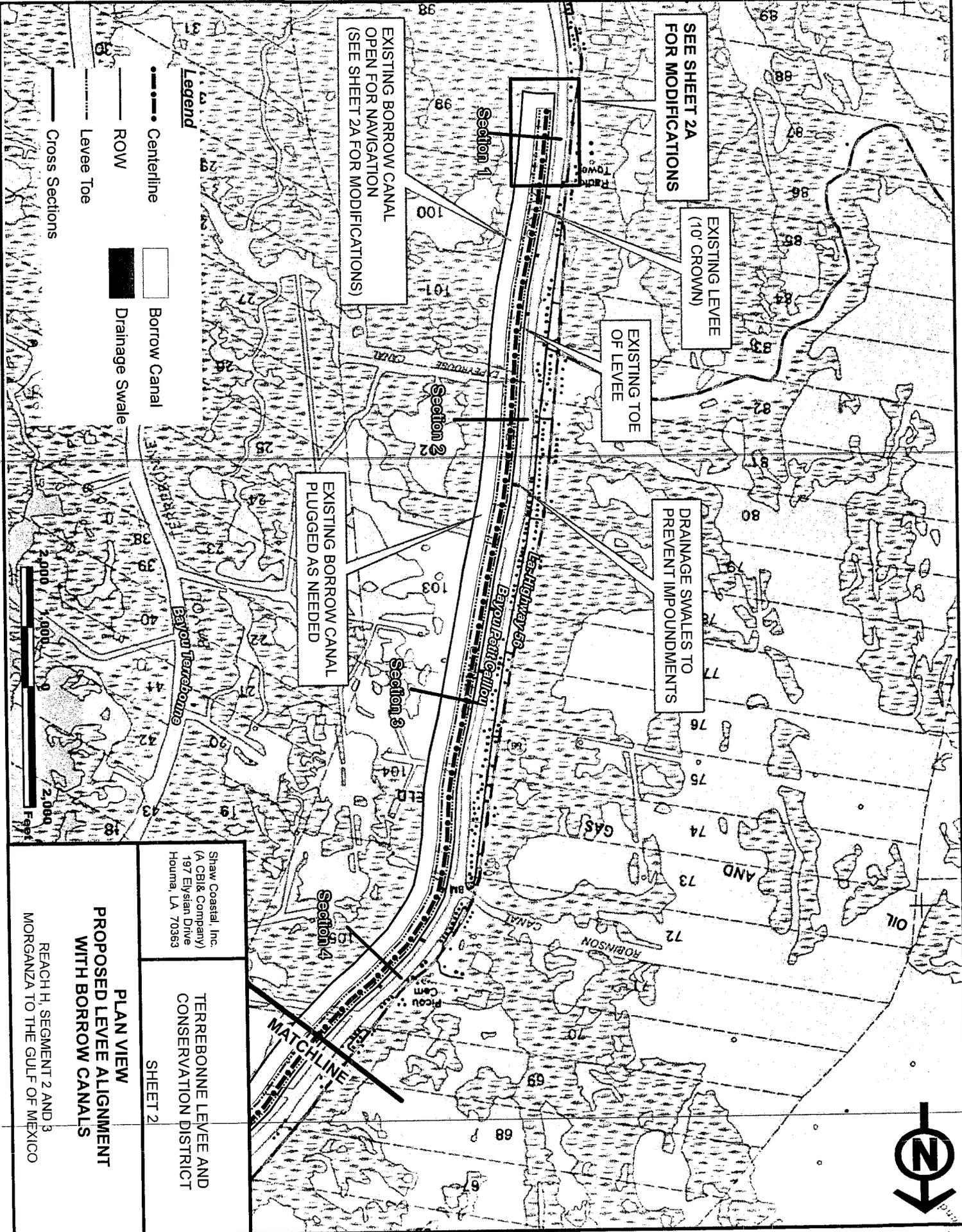
**TERREBONNE LEEVE AND
 CONSERVATION DISTRICT**

Sheet 1

VICINITY MAP

**PROPOSED LEEVE ALIGNMENT
 WITH BORROW CANALS AND STRUCTURES
 REACH H, SEGMENTS 2 AND 3
 TERREBONNE PARISH, LOUISIANA**

OFFICE	DRAWN BY	CHECKED BY	REVISED	DRAWING NUMBER
HOUA	C.Liner	J.PENA	03/06/13	145220/SHEET 2
	03/01/05	03/01/05		



- Legend**
- Centerline
 - ROW
 - Levee Toe
 - Cross Sections
 - Borrow Canal
 - Drainage Swale



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 Houma, LA 70363

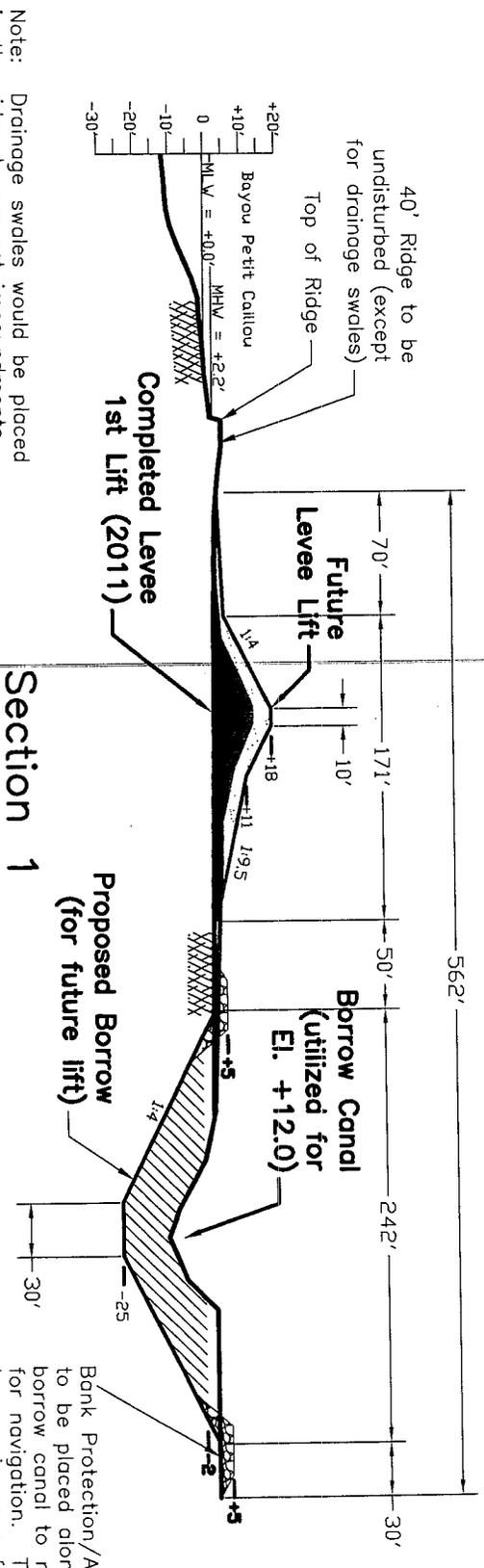
TERREBONNE LEVEE AND
 CONSERVATION DISTRICT

SHEET 2

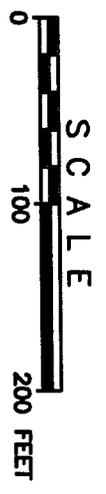
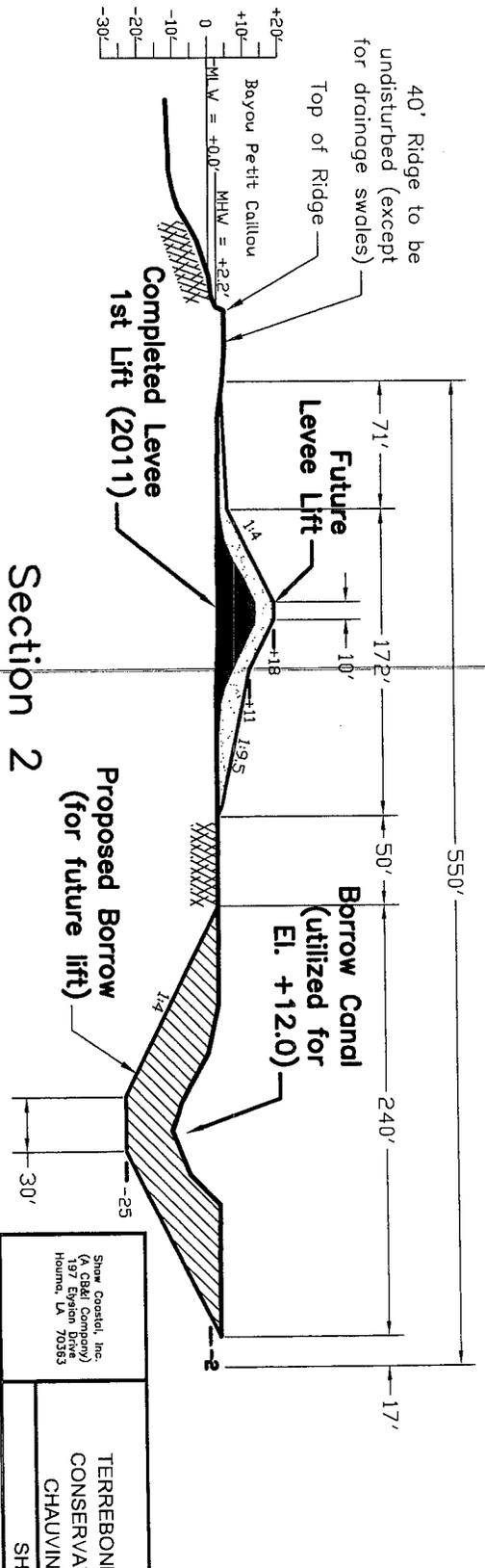
PLAN VIEW
PROPOSED LEVEE ALIGNMENT
WITH BORROW CANALS

REACH H, SEGMENT 2 AND 3
 MORGANZA TO THE GULF OF MEXICO

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	REVISED DATE:	DRAWING NUMBER
---	---	HOUMA	C/CLINER	J/PENA	03/01/05 07/14/09 03/06/13	145220/CROSS SECTIONS



Note: Drainage swales would be placed in the ridge to prevent impoundments between the ridge and levee. They would be placed at approx. 1,000' intervals or as needed.



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

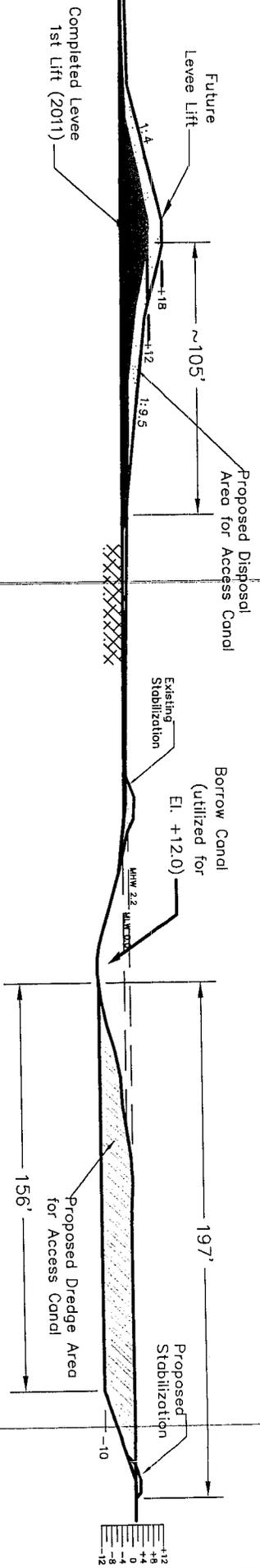
TERREBONNE LEVEE AND
CONSERVATION DISTRICT
CHAUVIN, LOUISIANA

SHEET 4

**CROSS-SECTIONS
PROPOSED LEVEE ALIGNMENT
WITH BORROW CANALS**
REACH H, SEGMENT 2 AND 3
MORGANZA TO THE GULF OF MEXICO

THESE PERMIT DRAWINGS ARE FOR THE
SOLE PURPOSE OF PERMIT ACQUISITION
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IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	REVISED DATE:	DRAWING NUMBER
---	---	HOUMA	CLIVER	JPEVA	07/14/09 03/06/13	145220/borrow canal typical section.dwg



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

APPROXIMATELY 1,000 CUBIC YARDS OF ADDITIONAL 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.

Show Coastal, Inc.
(A G&S Company)
187 Elyson Drive
Houma, LA 70363

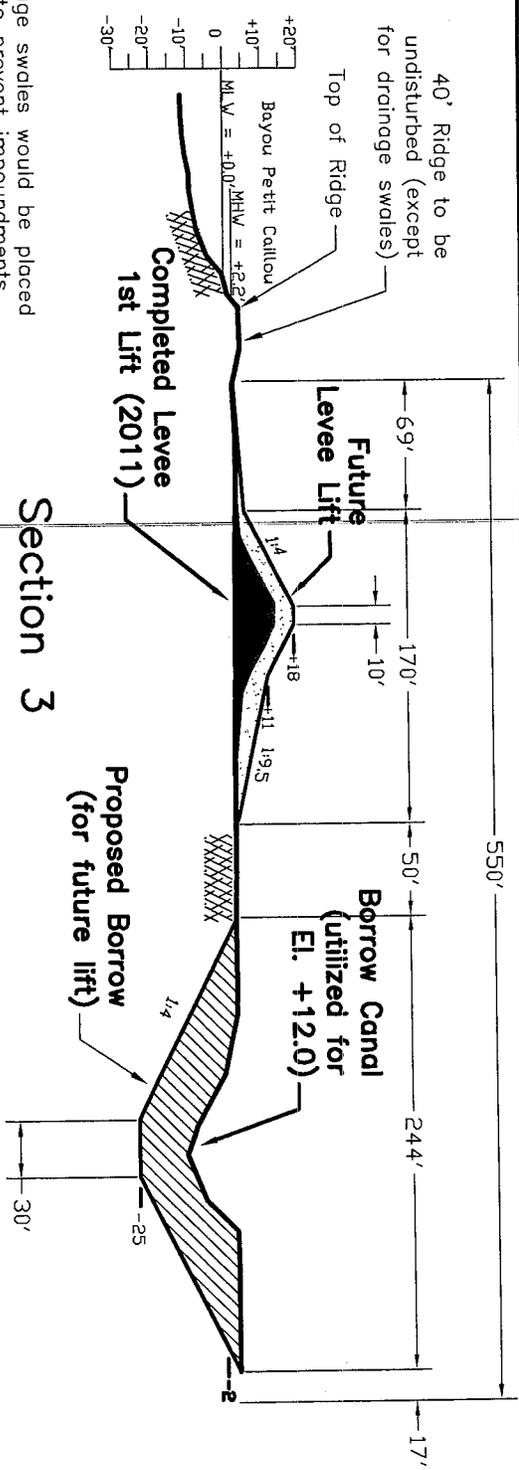
TERREBONNE LEVEE AND
CONSERVATION DISTRICT
CHAUVIN, LOUISIANA

SHEET 4A

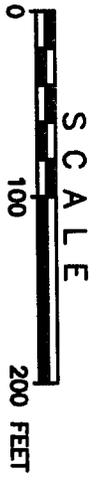
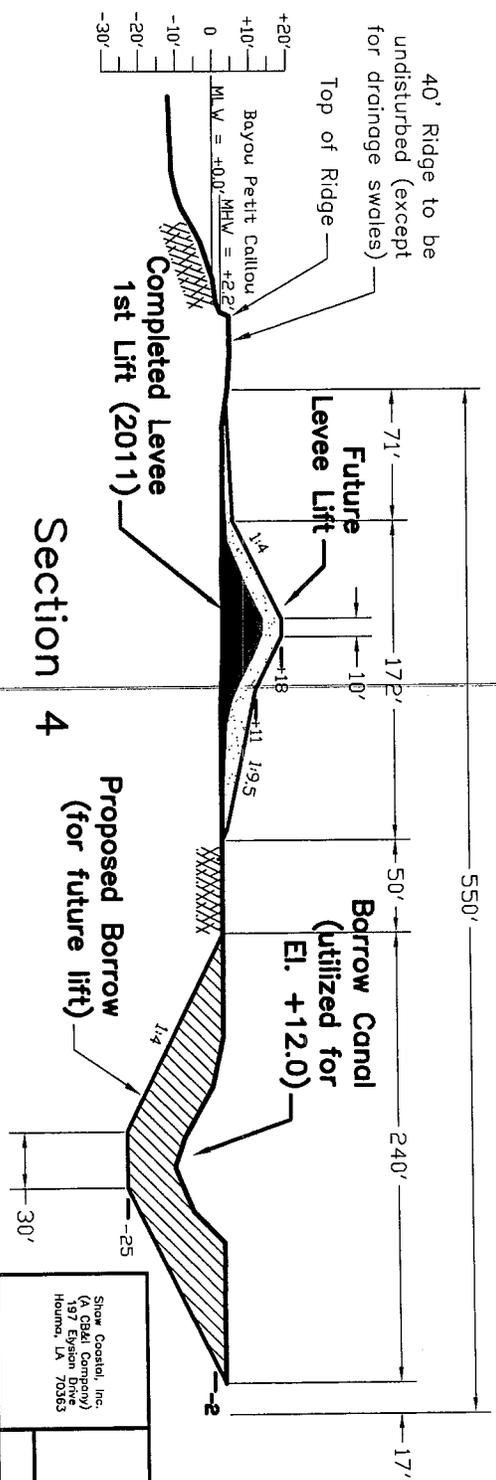
CROSS-SECTIONS
PROPOSED LEVEE ALIGNMENT
WITH BORROW CANALS
REACH H, SEGMENT 2 AND 3
MORGANZA TO THE GULF OF MEXICO

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IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	REVISED DATE:	DRAWING NUMBER
		HOUMA	C.LINER	J.PENA	07/14/09 03/06/13	145220/CROSS SECTIONS



Note: Drainage swales would be placed in the ridge to prevent impoundments between the ridge and levee. They would be placed at approx. 1,000' intervals or as needed.



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Shur Coastal, Inc
(Shell Company)
197 Elysian Drive
Houma, LA 70363

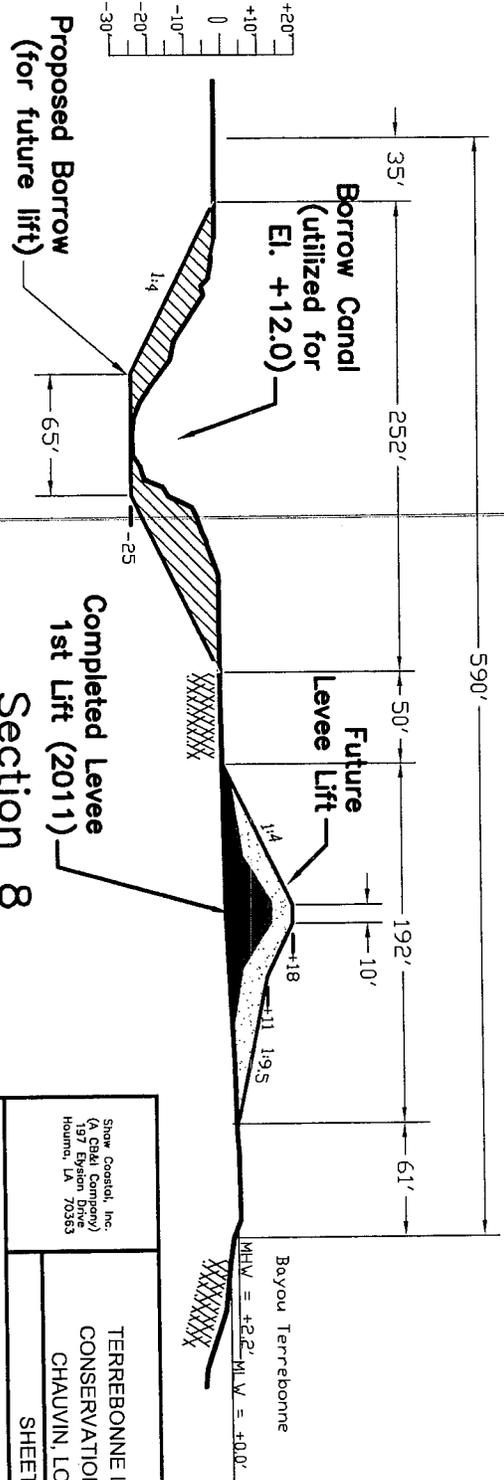
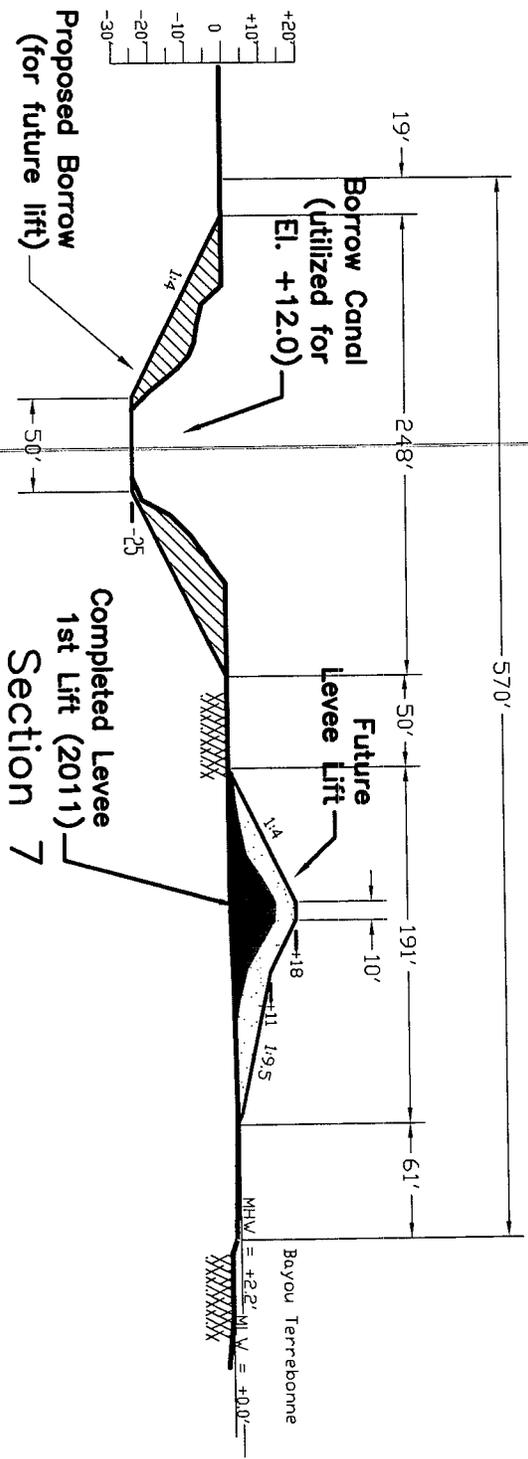
TERREBONNE LEVEE AND
CONSERVATION DISTRICT
CHAUVIN, LOUISIANA

SHEET 5

**CROSS-SECTIONS
PROPOSED LEVEE ALIGNMENT
WITH BORROW CANALS**

REACH H, SEGMENT 2 AND 3
MORGANZA TO THE GULF OF MEXICO

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					03/06/13	



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(A CB&I Company)
197 Elysian Drive
Houma, LA 70363

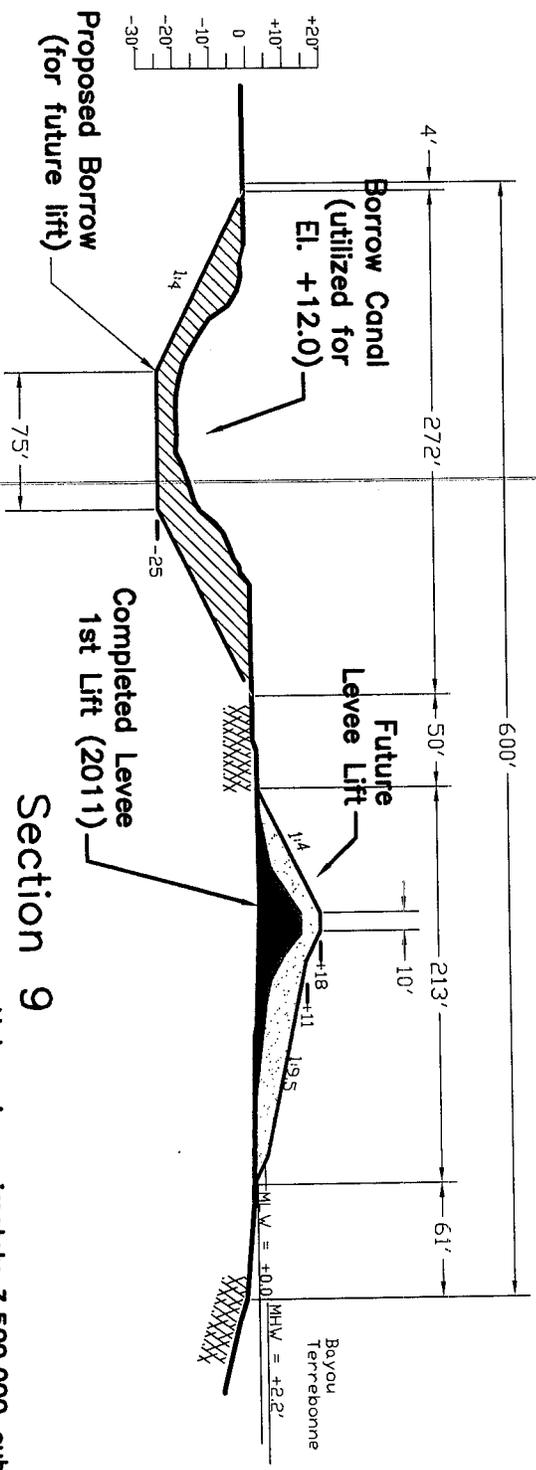
TERREBONNE LEVEE AND
CONSERVATION DISTRICT
CHAUVIN, LOUISIANA

SHEET 7

**CROSS-SECTIONS
PROPOSED LEVEE ALIGNMENT
WITH BORROW CANALS**

REACH H, SEGMENT 2 AND 3
MORGANZA TO THE GULF OF MEXICO

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	REVISED DATE:	DRAWING NUMBER
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Section 9

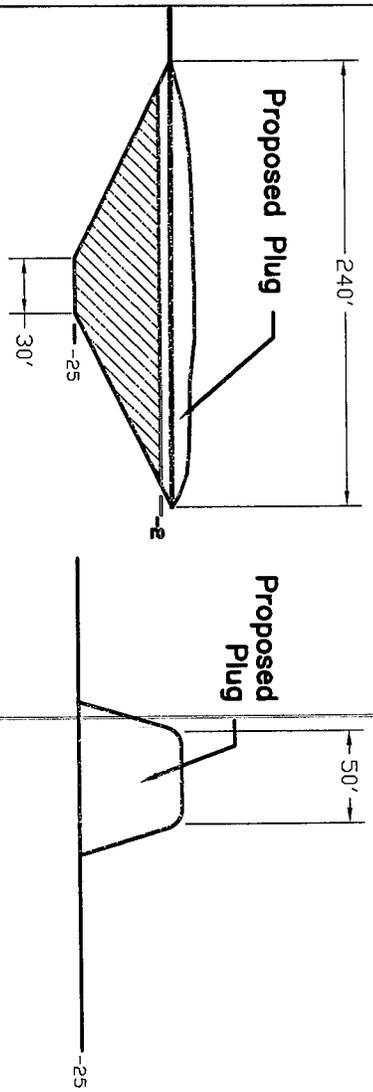
Note: Approximately 3,500,000 cubic yards of material will be borrowed and placed as levee alignment.

Borrow canal to be plugged at approximately 2,000' intervals or as needed as part of the design requirements and would be armored as needed.

Levee is being constructed in lifts.

Bank protection to be placed on all structures as needed to prevent erosion.

Typical Plug Sections
(Armored As Needed)
(Not To Scale)

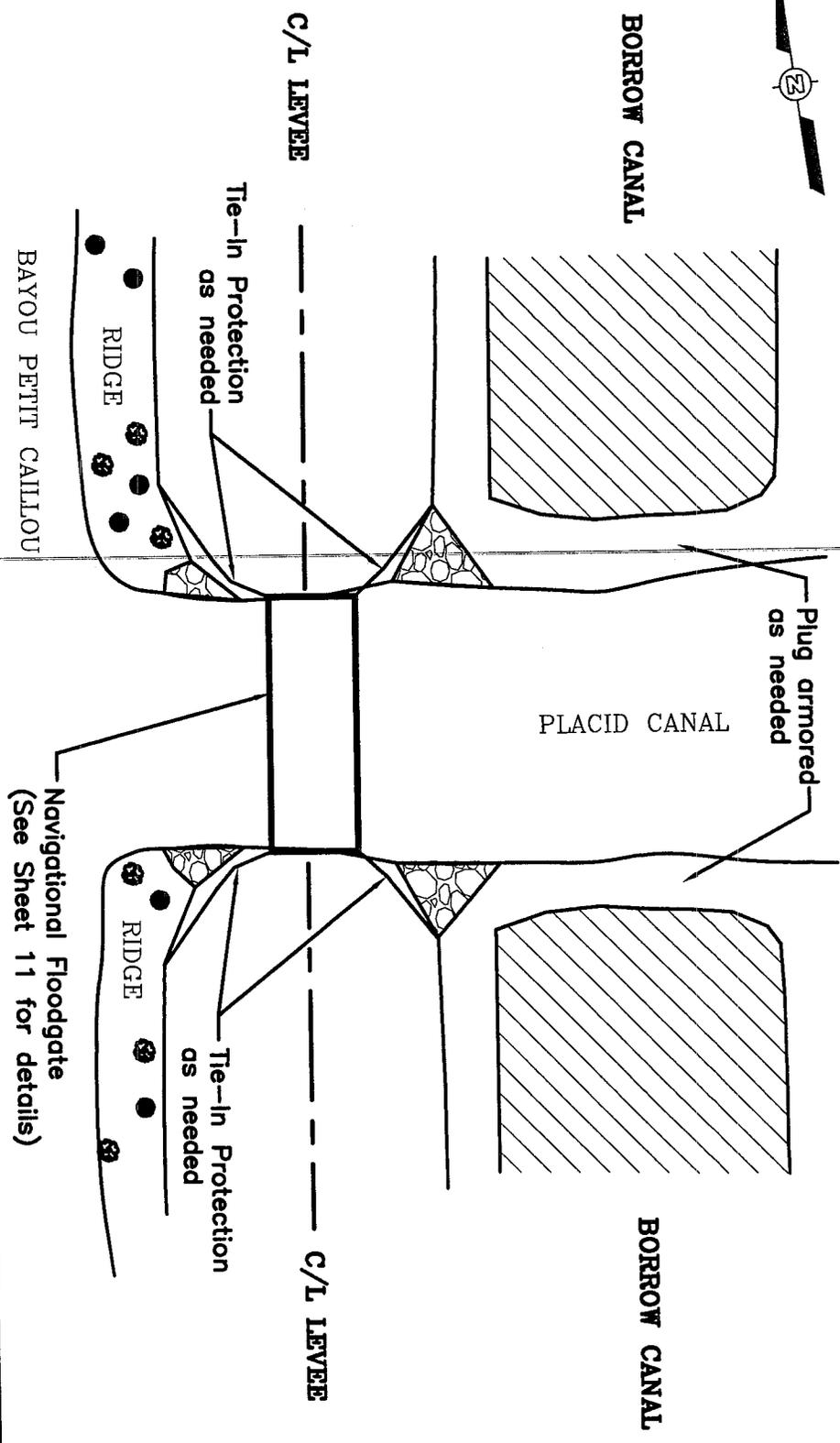


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Shaw Control, Inc. (A CB&I Company) 197 Elysian Drive Houma, LA 70363	TERREBONNE LEVEE AND CONSERVATION DISTRICT CHAUVIN, LOUISIANA
SHEET 8	

**CROSS-SECTIONS
PROPOSED LEVEE ALIGNMENT
WITH BORROW CANALS**
REACH H, SEGMENT 2 AND 3
MORGANZA TO THE GULF OF MEXICO

OFFICE	DRAWN BY	CHECKED BY	REVISED DATE:	DRAWING NUMBER
HOUMA	C. LINER	J. PENNA	03/04/06 07/15/09 03/06/13	1452201structure plan view
	03/01/05	03/30/05		



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

TERREBONNE LEVEE AND
 CONSERVATION DISTRICT
 CHAUVIN, LOUISIANA

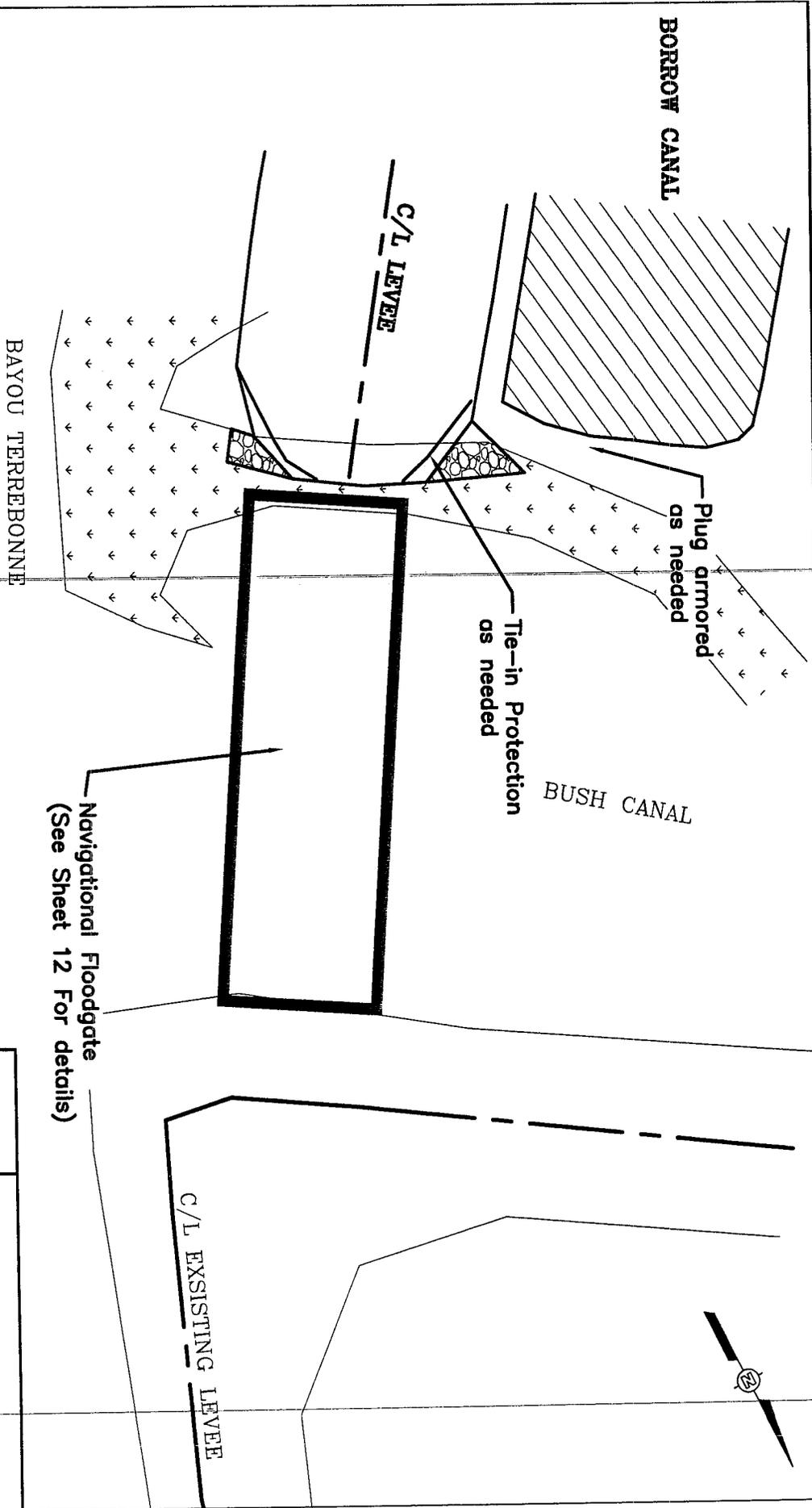
SHEET 9

**TYPICAL FLOODGATE PLAN VIEW
 PROPOSED LEVEE ALIGNMENT
 WITH BORROW CANALS**

REACH H, SEGMENT 2 AND 3
 MORGANZA TO THE GULF OF MEXICO

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HOUMA	C. LINER	J. PENNA	03/06/13	145220structure 1 plan view
	03/01/05	03/30/05	09/04/06	
			07/15/09	



Navigational Floodgate
(See Sheet 12 For details)

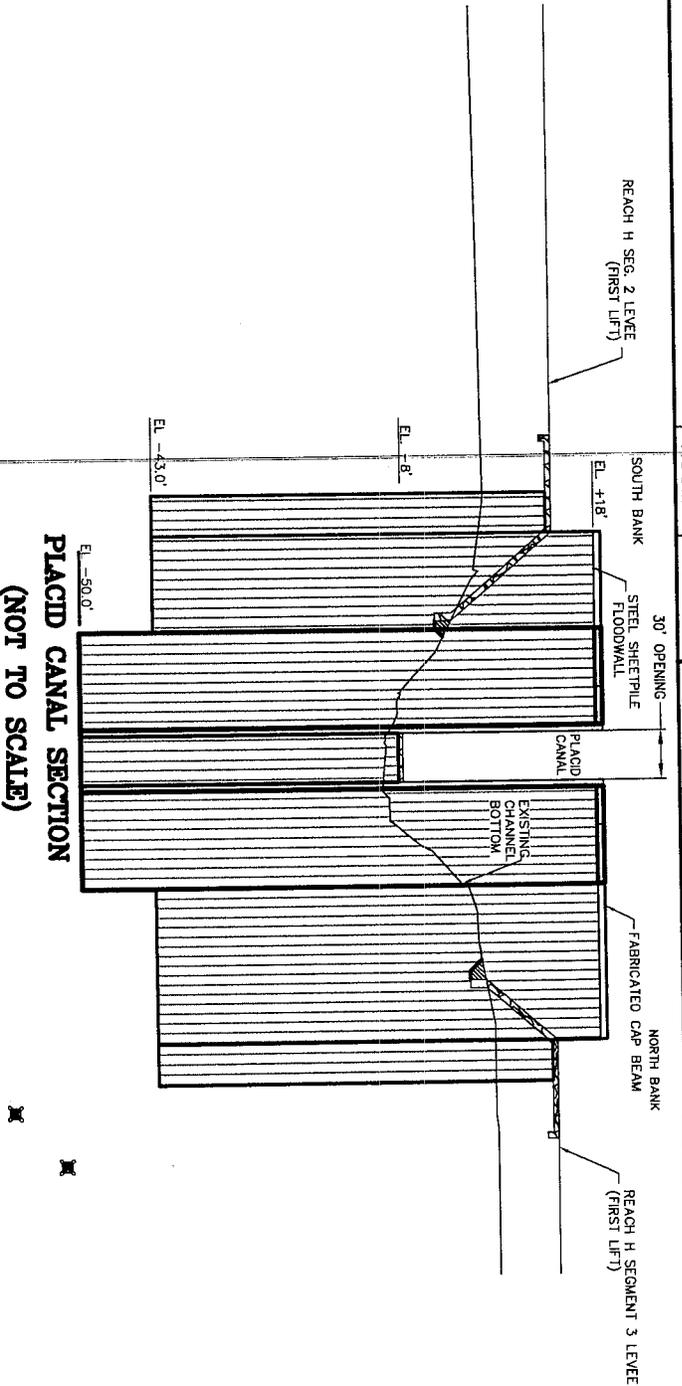
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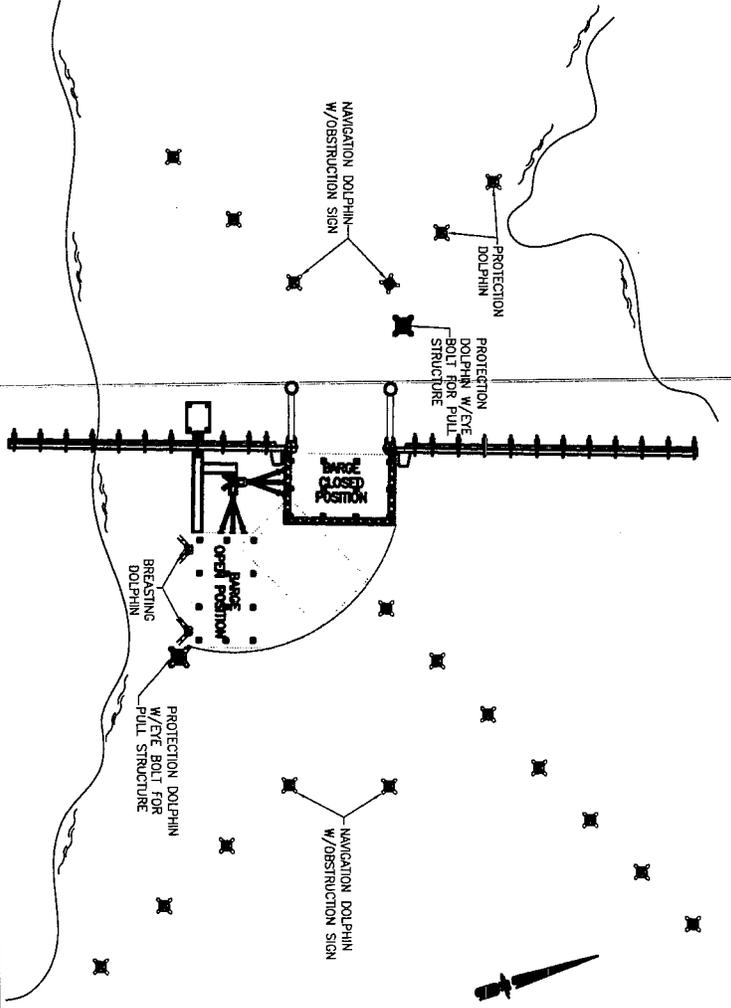
Shawi Coastal, Inc. (A G&S Company) 17750 Highway 101 Houma, LA 70353	TERREBONNE LEVEE AND CONSERVATION DISTRICT CHAUVIN, LOUISIANA
	SHEET 10

**TYPICAL FLOODGATE PLAN VIEW
PROPOSED LEVEE ALIGNMENT
WITH BORROW CANALS**
REACH H, SEGMENT 2 AND 3
MORGANZA TO THE GULF OF MEXICO

OFFICE	HOUMA	DRAWN BY	CLINER	CHECKED BY	HUT/TO	REVISED:		DRAWING NUMBER	145220/Reach H1 Borrow drawings/Rev 022013
			07/15/09		07/15/09	03/06/13			



**PLACID CANAL PLAN
(NOT TO SCALE)**



In regards to flood protection measures, all floodgates are to remain open at all times except during tropical storm events, including hurricanes or other extreme tidal events. Tide gauges will be installed on each gate and will be monitored closely. When water levels at the gates approach the EL. +2.5', the floodgates shall be closed until the water recedes. If a "named" storm is in the Gulf of Mexico and a sudden rise in water level due to storm surge is expected, the gates may be closed at the EL. +2.0'.

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

TERREBONNE LEVEE AND
CONSERVATION DISTRICT
CHAUVIN, LOUISIANA

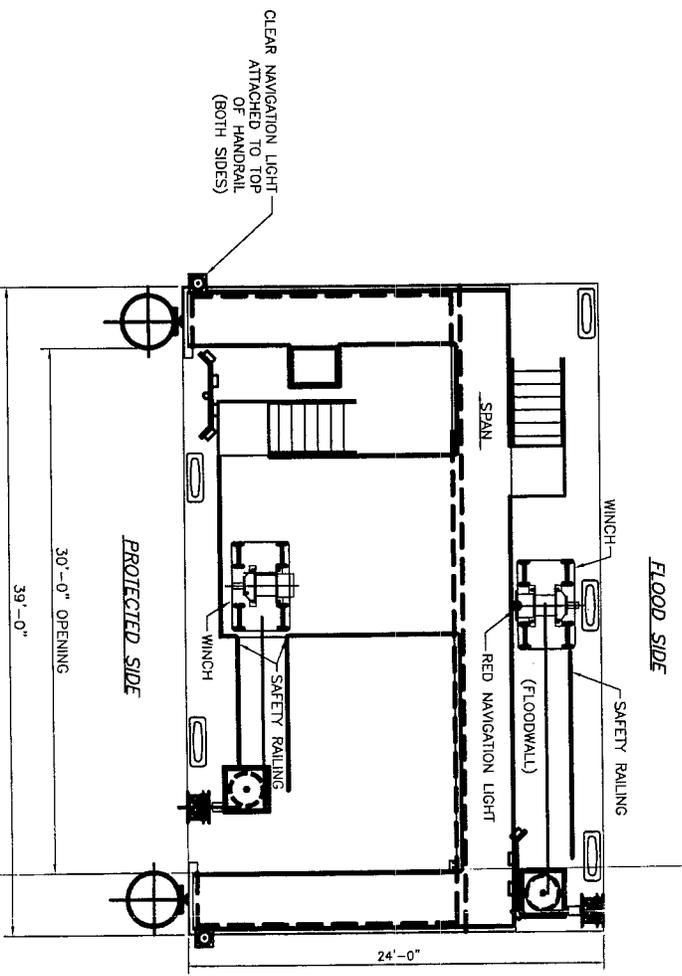
SHEET 11

**NAVIGATIONAL FLOODGATE DETAIL
PROPOSED LEVEE ALIGNMENT
AND BORROW CANALS**

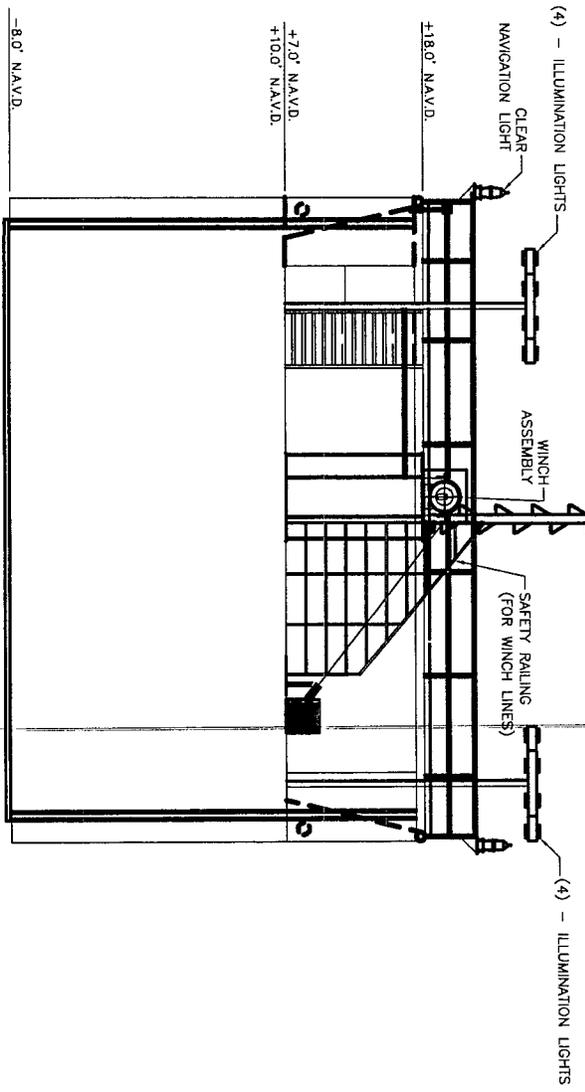
REACH H, SEGMENT 2 AND 3
MORGANZA TO THE GULF OF MEXICO

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	07/15/09	07/15/09	07/15/09	Reach H1 Borrow
				NUMBER
				drawings: Rev 022013



PLACID CANAL BARGE PLAN VIEW
NOT TO SCALE



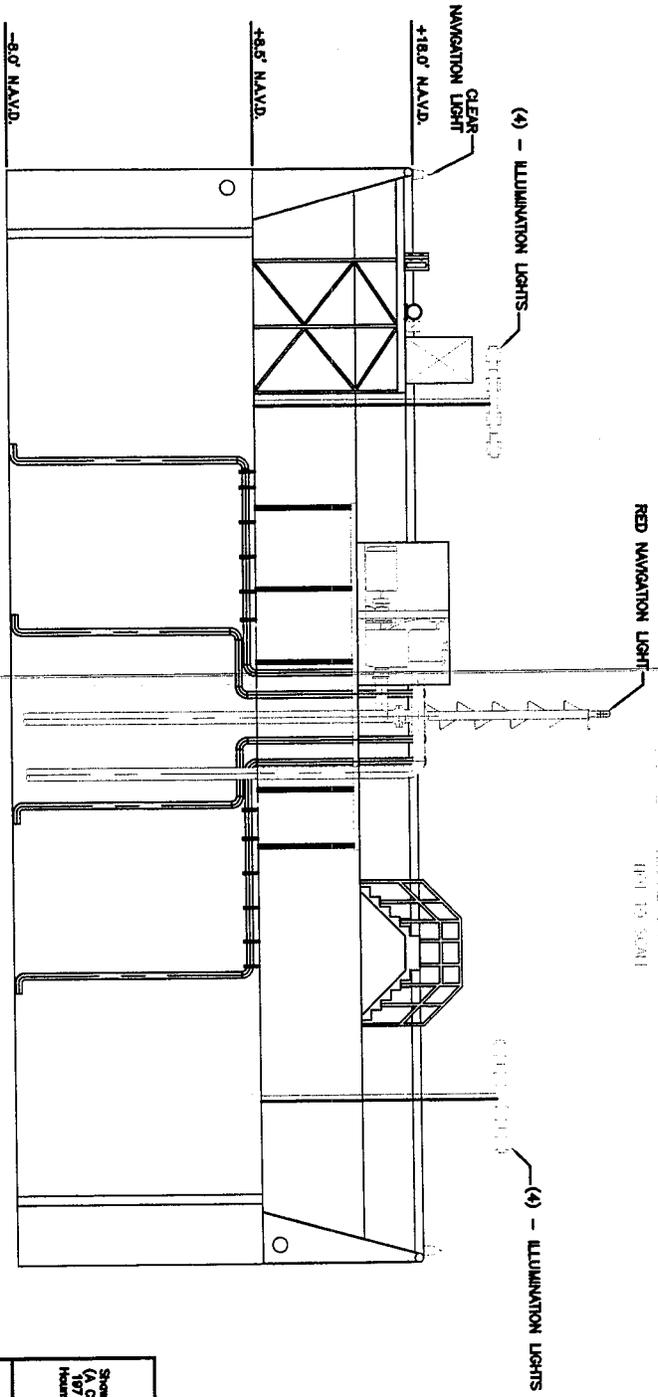
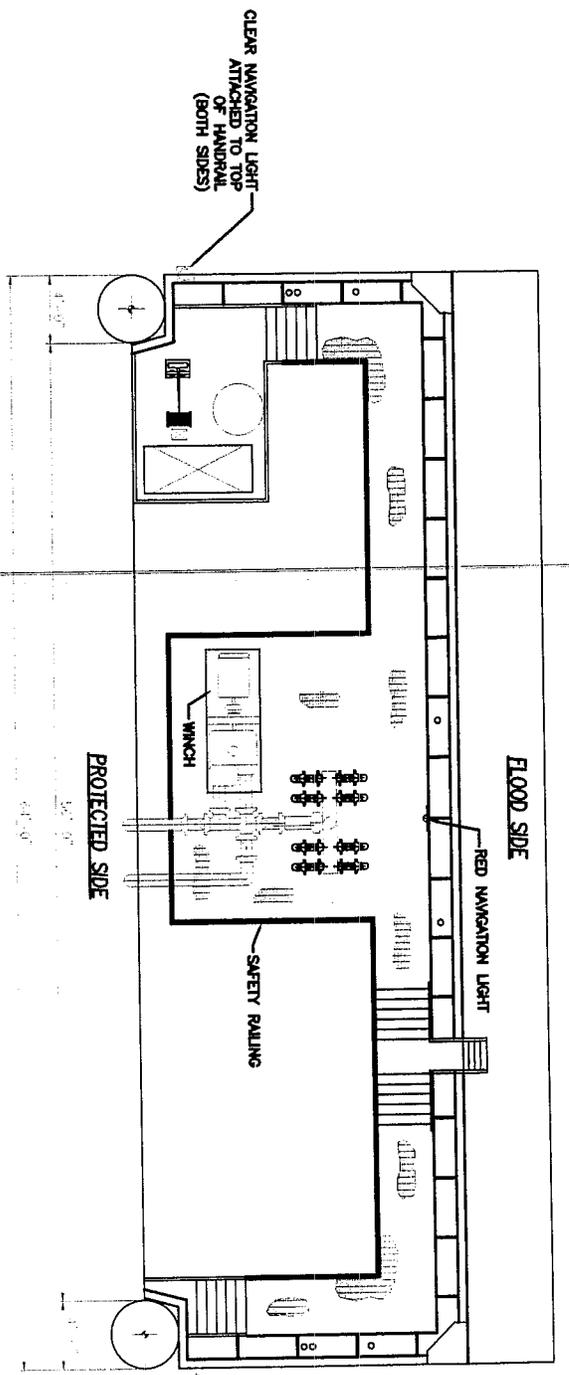
PROTECTED SIDE ELEVATION VIEW
NOT TO SCALE

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Shovel Control, Inc. (A CB&I Company) 197 Elysian Drive Houma, LA 70363	TERREBONNE LEVEE AND CONSERVATION DISTRICT CHAUVIN, LOUISIANA
	SHEET 13

NAVIGATIONAL FLOODGATE DETAIL
PROPOSED LEVEE ALIGNMENT
AND BORROW CANALS
REACH H, SEGMENT 2 AND 3
MORGANZA TO THE GULF OF MEXICO

OFFICE HOUMA	DRAWN BY CLINER	CHECKED BY HJT/TO	REVISED: 07/15/09	PROJECT NO. 145220	REVISION Reach H1Borrow drawings Rev 022013
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THESE REBAR DRAWINGS ARE FOR THE
SOLE PURPOSE OF REBAR ACQUISITION
AND ARE NOT TO BE USED FOR CONSTRUCTION

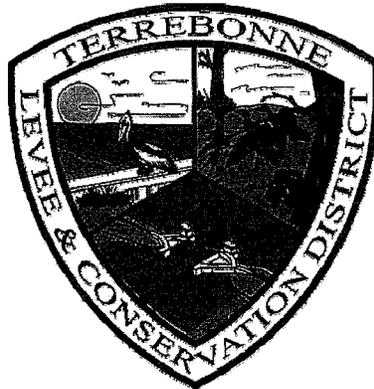
REAR ELEVATION VIEW
NOT TO SCALE

Street Control, Inc. (A Civil Company) Houston, TX 77058	TERREBONNE LEVEE AND CONSERVATION DISTRICT CHAUVIN, LOUISIANA
NAVIGATIONAL FLOODGATE DETAIL PROPOSED LEVEE ALIGNMENT AND BORROW CANALS REACH H, SEGMENT 2 AND 3 MORGANZA TO THE GULF OF MEXICO	
SHEET 14	

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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Figure 1 Revised Marsh Creation Area 5

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.

Cell Area	Completion %	Notes
A	100%	Fill and Post Construction Survey Complete
B	100%	Fill and Post Construction Survey Complete
C	100%	Fill Complete
D	100%	Fill Complete
E1	100%	Fill and Post Construction Survey Complete
E2	0%	Not in current contract
F1	100%	Fill Complete
F2	0%	Change Order given to Subcontractor
G1	0%	Not in current contract
G2	0%	Not in current contract

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.

