PROJECT COMPLETION REPORT

PROJECT NAME: **Timbalier Island Dune/Marsh Restoration Project**
CWPPRA/STATE PROJECT NO. **TE-40**

Report Date: **March 2005** **By:** **Shaw Coastal, Inc.**

1. Project Managers/Contracting Officer:

DNR Project Manager	Chris Williams, P.E.	Telephone	225-342-7549
DNR Construction Project Manager	Daniel Dearmond, P.E.	Telephone	985-449-5103
DNR Monitoring Manage	Karen Gray	Telephone	985-449-5072
Federal Agency Project Manager	Patty Taylor, P.E.	Telephone	214-665-6403
Construction Administrator/Inspection	Jeffery M. Peña, P.E.	Telephone	985-868-3434

2. Location and Description of Projects as Approved for Construction by Task Force.

The Timbalier Island Dune/Marsh Restoration Project (TE-40) is a barrier island restoration project located on Timbalier Island in Terrebonne Parish, Louisiana. Timbalier Island is located south of Terrebonne Bay and west of East Timbalier Island. The Island is bordered on the north by Caillou Pass, on the west by Cat Island Pass, on the east by Little Pass Timbalier, and on the south by the Gulf of Mexico.

The site is accessible only by boat. The nearest boat launch is the Coco Marina located in Cocodrie, Louisiana.

The purpose of the project is to restore the eastern part of Timbalier Island using dredged sediment from nearshore sand sources to reconstruct approximately 450 acres of vegetated dunes and marsh platform. Restoring the island will directly rebuild wetland habitat and fortify the outermost barrier of Timbalier Bay. The project is sponsored by the United States Environmental Protection Agency (EPA) and the Louisiana Department of Natural Resources (LDNR) under the Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA).

(Refer to Appendix E for fact sheet and project site map.)

3. Final, As-Built Features, Boundaries and Resulting Acreage (use attachments if necessary).

The project was constructed as described above. For additional information see attached Appendix F, Pre and Post Construction Plan View and Appendix G, As-Built Drawings.

Approximately 273 acres of vegetated dunes and marsh platforms were created.

4. Key Project Cost Elements

	CWPPRA Project Report Estimates Data **	Cost Incurred as of February 27, 2005
Construction	$17,959,237.00	$13,816,200.97
E & D	$1,886,954.00	$985,984.67
Land rights	$202, 608.00	$103,460.86
Monitoring	$125,406.00	$15,540.71
O & M	$0.00	$0.00
Total	$20,174,205.00	$14,921,187.20

**Most recent estimate from CWPPRA Project estimates Report produced by USACOE.

** See Appendix E, CWPPRA Report.

5. Items of Work

Schedule of Items								
Item No.	**Work**	**Est. Quan.**	**Unit**	**Estimated Unit Price**	**Estimated Amount**	**Bid Quan.**	**Bid Unit Price**	**Bid Amount**
Base Bid								
1	Mobilization and Demobilization	1	LS	$1,000,000.00	$1,000,000.00	1	$950,000.00	$950,000.00
2	Hydraulic Fill	3,100,000	CY	$3.10	$9,610,000.00	3,100,000	$2.50	$7,750,000.00
3	Containment Dikes	23,000	LF	$20.00	$460,000.00	22,750	$25.00	$575,000.00
4	Sand Fencing	22,750	LF	$7.00	$159,250.00	22,750	$4.50	$102,375.00
5	Grading and Shaping	113.5	100-ft Station	$600.00	$68,100.00	113.5	$1,000.00	$113,500.00
6	Turbidity Screens	4,800	LF	$20.00	$96,000.00	4,800	$15.00	$72,000.00
7	Access Dredging	1	LS	$83,600.00	$83.600.00	1	$65,000.00	$65,000.00
8	Timber Construction	1	LS	$75,000.00	$75,000.00	1	$45,000.00	$45,000.00
9	Beach Fill	500,000	CY	$3.10	$1,550,000.00	500,000	$2.25	$1,125,000.00
Original Estimated Amount:					**$13,101,950.00**	**Original Bid Amount:**		**$10,797,875.00**

6. Construction and Construction Oversight

Prime Construction Contractor	Weeks Marine, Inc.
Subcontractor	Soil Erosion Services, Inc.;
Subcontractor	Dupre Bros, Inc.; Wilco
Original Construction Contract	$10,797,875.00
Change Orders	$2,571,564.24
Final Construction Contract	$13,369,439.24

Construction Oversight Contractor: Shaw Coastal, Inc.

Construction Oversight Amount: $221,202.54

7. Major Equipment Used

BTD – 100 – Dredge “Tom James” plus two (2) skudgit anchor barges

Bucket dredge “Weeks Marine, Inc. 542”

Mag 2 quarters barge and waterbarge

Weeks Marine, Inc. 565 crane barge (Clyde)

50 ton grove cherry picker

Cat 966 front-enc loader

2 – Cat D6H dozers

2 – Cat D7H dozers

Cat D4 dozer – John Deere 35-min. excavator

2 – Cat 330b long reach marsh buggy excavators

3 – Cat 345b short arm marsh buggy excavators

Wilco W-49 marsh buggy excavator

5 – Tugboats – Caption John, Jeanne James, Kathy Pawy, Delta Doe, BTB-11

BT-841 – water barge

BT-790 – fuel barge

BT-207 – welding barge

BT-210 – deck barge

BT-041 – skidder barge

BT-171 – supply barge

Crew Boat – Flying Cloud

Survey Boat – Steve L.

Inspector's Boat – one (1) with 90 hp motors

Project Manager's Boat – 75 hp motor

Survey Skiff – 75 hp motor

Air Compressor (185 cfm)

Polygon Personnel Carrier

3 – Light Plants

2 – 30 inch "Y" valves

3 – Dump shacks

2 – 4 wheel ATV's

2 – 6 wheel ATV's

Approximately 10,000 feet of 30 inch shore pipe

Approximately 15,000 feet of 30 inch subline

1,500 feet of 30 inch floating pipe

8. Discuss Construction Sequences and Activities, Problems Encountered, Solutions to Problems, etc.

- June 6, 2004: Begin construction containment dikes on east end of project working west.
- June 10, 2004 – July 11, 2004: Dredged access channel to island and turn-around and complete.
- June 29, 2004 (1,900 hours): Begin pumping original beach fill template, east to west.
- July 1, 2004: Begin building timber wharf for island access.
- July 12, 2004 – July 14, 2004: Place overflow boxes and turbidity screens.
- July 23, 2004 (900 hours): Complete original beach fill template.
- July 24, 2004: Begin pumping dune/marsh creation area, east to west.
- July 27, 2004: Complete timber wharf.
- August 8, 2004: Complete containment dike construction.
- August 15, 2004: Begin shaping and grading.
- August 27, 2004 – October 6, 2004: Degrade back dike (begin).
- September 13, 2004 – September 19, 2004 and September 20, 2004: Hurricane Ivan – high winds and tides.
- October 1, 2004: Complete dune/marsh creation area.
- October 2, 2004: Begin pumping new beach fill template and repair dune lost to storm (east to west).
- October 6, 2004 – October 12, 2004: Tropical Storm Matthew – heavy rain and high tides.
- October 19, 2004, November 1, 2004 and November 5, 2004: Dress washouts on north side of dune caused by heavy rains.
- October 19, 2004: Tubidity screens removed.
- October 20, 2004: Begin installing sand fencing.
- November 1, 2004: Complete dune repair required.
- November 16, 2004 – November 17, 2004: Seed +8.0 dune with 5,000 pounds gulf annual ryegrass.
- December 20, 2004: Complete new beach fill template.
- December 27, 2004: Complete installing sand fencing.

9. Construction Change Orders and Field Changes.

Change Order No. 1 (September 7, 2004):
Increase the total Construction Cost from $10,797,875.00 to $10,844,620.69 with no increase in project construction time.

ITEM NO.	ITEM	UNIT	ORIGINAL QUANTITY	UNIT COST	ORIGINAL BID AMOUNT	ADDITIONAL QUANTITY	COST WITH CHANGE ORDER	ADDITIONAL COST
3	Containment Dikes	LF	23,000	$25.00	$575,000	1,305	$607,625.00	$32,625.00
7	Access Dredging	LS	LS	LS	$65,000	LS	$79,120.69	$14,120.69
							TOTAL:	**$46,745.69**

Change Order No. 2 (October 11, 2004):
Increase the total Construction Cost from $10,844,620.69 to $13,408,120.69 with no increase in project construction time.

ITEM NO.	ITEM	UNIT	ORIGINAL QUANTITY	UNIT COST	ORIGINAL BID AMOUNT	ADDITIONAL QUANTITY	COST WITH CHANGE ORDER	ADDITIONAL COST
10	Additional Hydraulic Beach Fill (Net Section Borrow)	CY	0	$2.47	$0.00	1,000,000	$2,470,000.00	$2,470,000.00
11	Mobilization (Hurricane Ivan Repairs)	LS	0	$15,000.00	$0.00	1	$15,000.00	$15,000.00
12	Containment Dikes (Hurricane Ivan Repairs)	LF	0	$25.00	$0.00	2,000	$50,000.00	$50,000.00
13	Seeding	AC	0	$285.00	$0.00	100	$28,500.00	$28,500.00
							TOTAL:	**$2,563,500.00**

Change Order No. 3 (November 29, 2004):
Increase the total Construction Cost from $13,408,120.69 to $13,433,120.69 with no increase in project construction time.

ITEM NO.	ITEM	UNIT	ORIGINAL QUANTITY	UNIT COST	ORIGINAL BID AMOUNT	ADDITIONAL QUANTITY	COST WITH CHANGE ORDER	ADDITIONAL COST
14	Containment Dikes (Tropical Storm Matthew Repairs)	LF	0	$25.00	$0.00	1,000	$25,000.00	$25,000.00
							TOTAL:	**$25,000.00**

Change Order No. 4, Balancing (January 31, 2005):
Reduce the total Construction Cost from $13,433,120.69 to $13,369,439.24 (decrease of $63,681.45) with no change in project construction time.

ITEM NO.	ITEM	UNIT	ORIGINAL QUANTITY	UNIT COST	ORIGINAL BID $ AMOUNT	UNEARNED QUANTITY	UNEARNED $ AMOUNT
6	Turbidity Screen	LF	4,800	$15.00	$72,000.00	3,245.43	$48,681.45
11	Mobilization (Hurricane Ivan Repairs)	LS	$15,000.00	$15,000.00	$15,000.00	$15,000.00	$15,000.00
						TOTAL DECREASE:	**$63,681.45**

Field Order No. 1 (August 17, 2004):

This field order provides for a revised sequence of construction to accommodate erosion in the project area, subject to certain stipulations. Information is provided regarding a revised survey baseline and new control points. The field order also provides modified cross-section drawings showing the existing ground profile based on the latest pre-construction survey along with the construction template updated to reflect the revised construction sequence.

This field order also provides clarification of payment for dredging operations. As dredging operations proceed, the quantity dredged each month shall be separated for payment into the two Bid Items 2 and 9 in proportion to the estimated bid quantities for each item. Therefore, in each month's application for payment, the quantity for Bid Item 2 "Hydraulic Dredging" shall equal the product of the total monthly amount dredged and the ratio: (3,100,000 / 3,600,000). The quantity for Bid Item 9 "Beach Fill" shall equal the product of the total monthly amount dredged and the ratio: (500,000 / 3,600,000).

10. Pipeline and Other Utility Crossings.

	Structure	Owner	Rep. To Contact
1.	Pipeline	Hilcorp Pipeline Company	Don Webre (985-397-1323)
2.	Pipeline	Shell Pipeline Company	Lonnie J. Graham (985-804-7347)
3.	Pipeline	El Paso Field Services	Steve Rice (985-857-8002)
4.	Pipeline	ChevronTexaco	Kenneth LeBlanc (504-592-7959)
5.	Pipeline	Tennessee Gas Pipeline Company	Pat Adams (985-223-6139)

11. Safety and Accidents.

Weeks Marine, Inc.'s inspection boat sank overnight due to sudden storm. The boat was unoccupied; there were no injuries.

12. Additional Comments Pertaining to Construction, Completed Projects, etc.

1. During construction, the Sub-Contractor requested a change order due to the fact that assembly of the dock would require drilling underwater. This request was denied because the construction of the dock was shown on the original drawings.

2. After approval from SCI and LDNR, the Contractor was allowed to degrade the back dike to elevation +1.0 rather than +0.6 with cuts every 500 feet to allow exchange of water. This was allowed to protect the freshly placed material from wave action until vegetation could be established.

3. Contractor decided to only install two (2) weir boxes on the western end of the project at approximately Station 106+00. Four (4) pipes were installed under the access road to channel water to the boxes. This method worked well to maintain sediments and material within the project area.

4. A section of flow line was removed in the access channel approximately at Station 173+00. This pipeline was not identified in the construction plans, but was identified during magnetometer surveys. The pipeline company removed the pipeline at no cost (see Appendix H).

5. Approximately 200,000 cubic yards of material was lost due to tropical storms, along with damage to the dune and back berm from water runoff and wave action. These areas were repaired and paid for with change orders.

6. The estimated cut to fill ratio, as calculated, is approximately 1.28:1.0. The ratio is derived from 4.6 million cubic yards of material dredged and approximately 3.6 million cubic yards in-place. The in-place quantity includes the estimated 200,000 cubic yards of lost material due to storms.

7. Future sand fencing projects should have sufficient fence to post tying details. Current fence details are unclear as to how fence is to be tied.

8. As per agreement between the Contractor, DNR and SCI at a bi-weekly progress meeting it was determined that the 225' beach fill would be placed from an elevation +5.0 NAVD at the tow of the dune to an elevation +3.0 NAVD on the gulf side. This change was introduced due to the excessive erosion on previous beach fill placed at elevation +3.0 NAVD. See Appendix G, As-Built Drawings, Sheet 6 of 23.

13. <u>Significant Construction Dates</u>: To be filled out by DNR Construction Project Manager or Contracting Officer for construction for Agency responsible for construction.

ACTION	Date
Bid Opening	March 24, 2004
Construction Contract	June 2, 2004
Preconstruction Conference	April 15, 2004
Notice to Proceed	June 2, 2004
Mobilization	June 8, 2004
Construction Start	June 16, 2004
Construction Completion	December 27, 2004
Final Acceptance	January 7, 2005

If different bids are taken, repeat this table to individually reflect each bid and attach tables.
Other significant Project Dates

	<u>Date</u>
Project Implementation closeout**	
Start of Preconstruction Monitoring***	
Preconstruction Aerial Photography Acquisition***	
Monitoring Plan Completion***	

** Final implementation closeout is made by either the DNR Project Manager or the Federal Agency Contracting Officer depending on which organization had lead role for construction of project.

*** To be completed by DNR Project Manager.

Appendix A

Progress Schedules

CONSTRUCTION PROGRESS CHART

REQUIREMENTS CONTROL SYMBOL

1. CONTRACTOR WEEKS MARINE, INC. 304 GAILLE DRIVE COVINGTON, LOUISIANA 70433	3. PROJECT TIMBALIER ISLAND	5. CONTRACT DESCRIPTION DUNE / MARSH RESTORATION	6. SUBMITTED FOR APPROVAL CHARLES R. BALENTINE — DATE: December 14, 2004 7. APPROVAL RECOMMENDED — DATE: 8. APPROVED — DATE:
2. CONTRACT NUMBER STATE PROJECT NO. TE-40 SCI PROJECT NO. 2272	4. LOCATION TERREBONNE PARISH, LOUISIANA		

LEGENDS
BARS:
SCHEDULED PROGRESS TO DATE
ACTUAL PROGRESS
CURVES:
Scheduled Progress ____ Actual Progress ____

PRINCIPAL CONTRACT FEATURE	LINE ITEM	WT.	EST. COST		JUNE 2004	JULY 2004	AUGUST 2004	SEPTEMBER 2004	OCTOBER 2004	NOVEMBER 2004	DECEMBER 2004
MOBILIZATION	1	7.1%	950,000.00	SCHED.	0	60	60	80	80	100	
				ACTUAL							
HYDRAULIC DREDGING 3,100,000 CUBIC YARDS @ $2.50 / CY	2	57.7%	7,750,000.00	SCHED.		0	33	62	80	100	
				ACTUAL							
CONTAINMENT DIKES 24,305 LINEAR FEET @ $25.00 / LF	3	4.5%	607,625.00	SCHED.	0	45	85	95	100		
				ACTUAL							
SAND FENCE 22,750 LINEAR FEET @ $4.50 / LF	4	0.8%	102,375.00	SCHED.					0	34	97 — 100
				ACTUAL							
GRADING & SHAPING 113.5 100-FT. STATIONS @ $1,000.00 / STA	5	0.8%	113,500.00	SCHED.					0	3	52 — 100
				ACTUAL							
TURBIDITY SCREEN 4,800 LINEAR FEET @ $15.00 / LF	6	0.5%	72,000.00	SCHED.		0	21	21	42		
				ACTUAL							
ACCESS DREDGING	7	0.6%	79,120.69	SCHED.	0	74	82	82	100		
				ACTUAL							
TIMBER CONSTRUCTION	8	0.3%	45,000.00	SCHED.	0	30	100				
				ACTUAL							
BEACH FILL (NET SECTION BORROW) 500,000 CUBIC YARDS @ $2.25 / CY	9	6.4%	1,125,000.00	SCHED.		0	33	62	80	100	
				ACTUAL							
ADDITIONAL HYDRAULIC BEACH FILL (NET SECTION BORROW) 1,000,000 CUBIC YARDS @ $2.47 / CY	10	18.4%	2,470,000.00	SCHED.					0	13	54 — 100
				ACTUAL							

ONLY 2,000 LINEAR FEET OF TURBIDITY SCREEN WAS PURCHASED FOR THIS PROJECT.

100 90 80 70 60 50 40 30 20 10 0

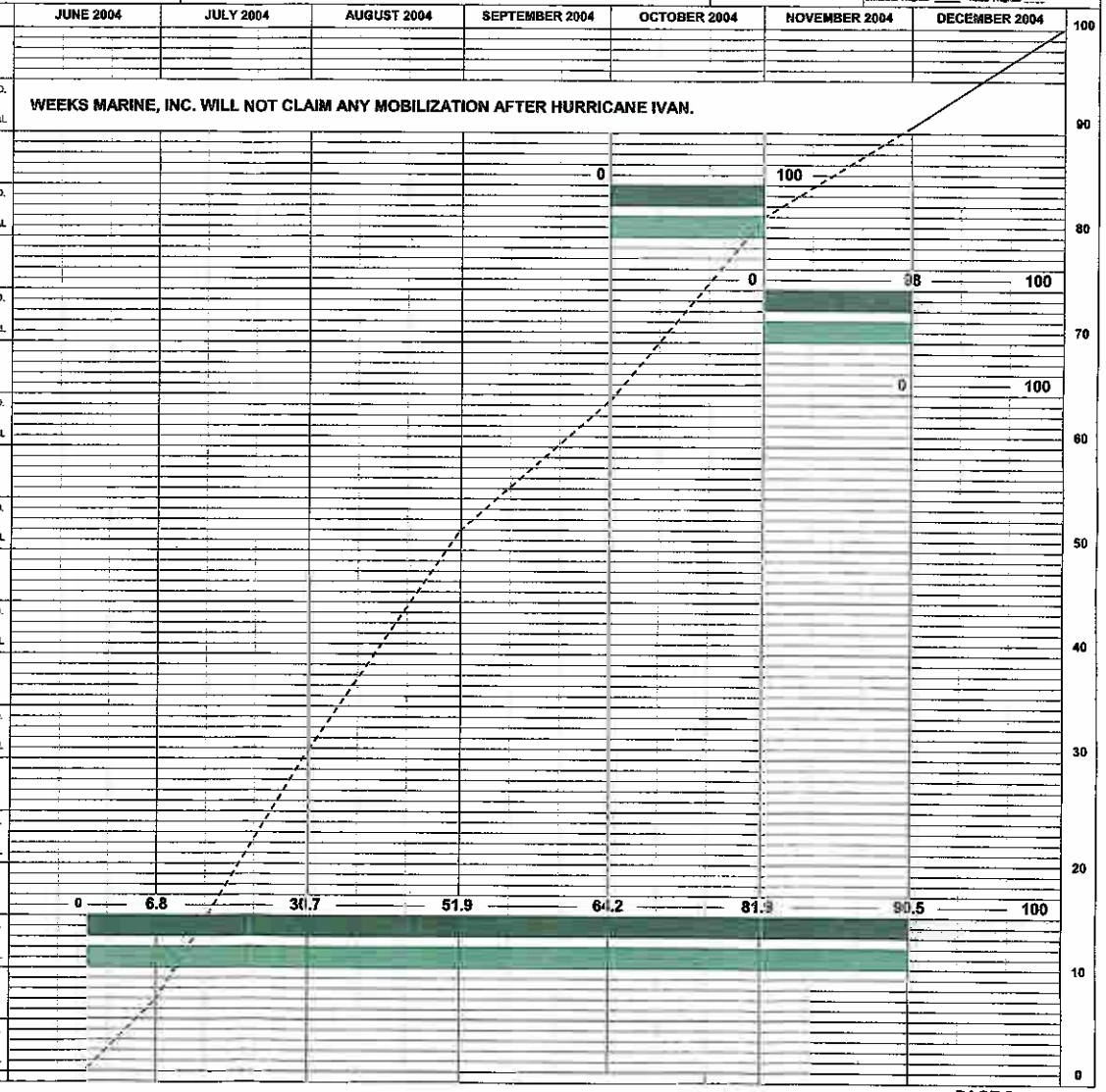
CONSTRUCTION PROGRESS CHART

REQUIREMENTS CONTROL SYMBOL

1. CONTRACTOR WEEKS MARINE, INC. 304 GAILLE DRIVE COVINGTON, LOUISIANA 70433	3. PROJECT TIMBALIER ISLAND	5. CONTRACT DESCRIPTION DUNE / MARSH RESTORATION	6. SUBMITTED FOR APPROVAL CHARLES R. BALENTINE DATE December 14, 2004
2. CONTRACT NUMBER STATE PROJECT NO. TE-40 SCI PROJECT NO. 2272	4. LOCATION TERREBONNE PARISH, LOUISIANA		7. APPROVAL RECOMMENDED DATE 8. APPROVED DATE

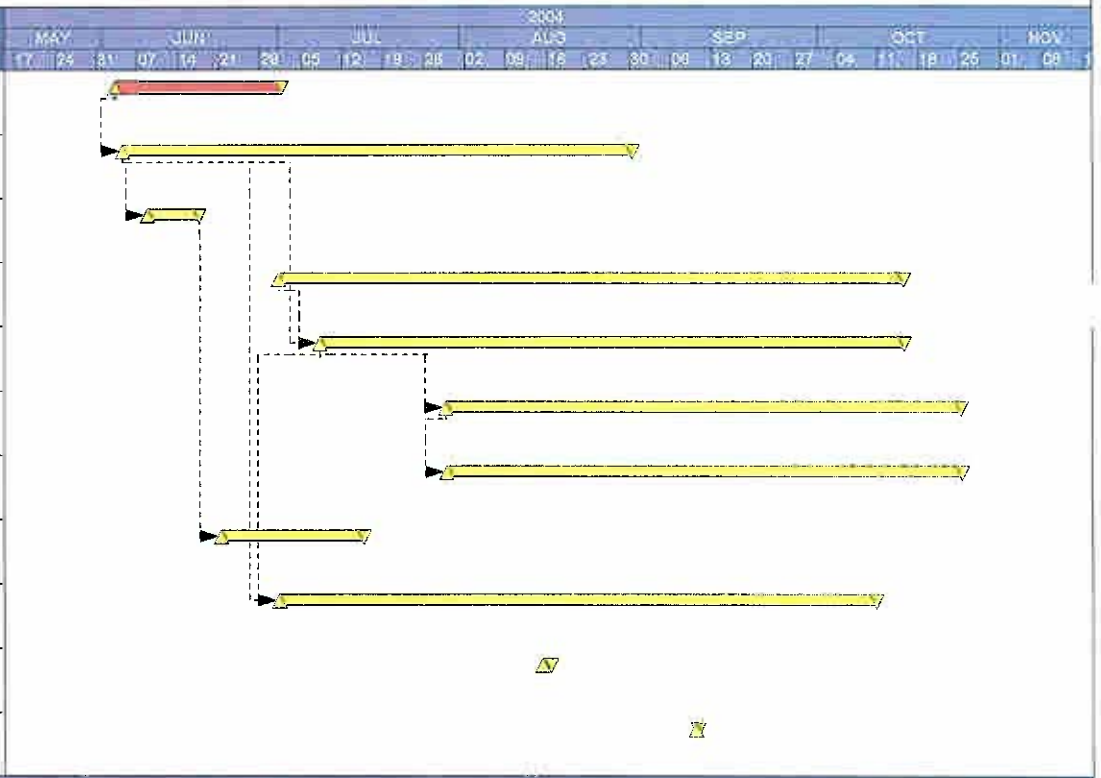
LEGENDS
BARS:
SCHEDULED PROGRESS TO DATE
ACTUAL PROGRESS
CURVES:
Scheduled Progress ——— Actual Progress - - - -

PRINCIPAL CONTRACT FEATURE	LINE ITEM	WT.	EST. COST
MOBILIZATION (HURRICANE IVAN REPAIRS)	11	0.1%	15,000.00
CONTAINMENT DIKES (HURRICANE IVAN REPAIRS) 2,000 LINEAR FEET @ $25.00 / LF	12	0.4%	50,000.00
SEEDING 100 ACRES @ $285.00 / ACRE	13	0.2%	28,500.00
CONTAINMENT DIKES (TROPICAL STORM MATTHEW REPAIRS) 1,000 LINEAR FEET @ $25.00 / LF	14	0.2%	25,000.00
TOTAL CONTRACT		100%	13,433,120.69

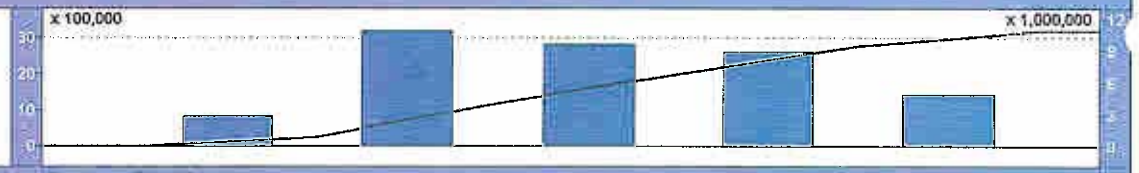


Timbalier Island Dune / Marsh Restoration
TE - 40

Act ID	Description	Orig Dur	%	Target Start	Target Finish
0010	Mobilization	27d	14	03JUN04	01JUL04
0020	Containment Dikes	87d	0	04JUN04	30AUG04
0030	Access Dredging	10d	0	08JUN04	17JUN04
0040	Turbidity Screens	100d	0	01JUL04	15OCT04
0050	Hydraulic Dredging for Dune Construction	100d	0	08JUL04	15OCT04
0060	Grading and Shaping	100d	0	29JUL04	25OCT04
0070	Sand Fence	100d	0	30JUL04	25OCT04
0080	Timber Construction	10d	0	21JUN04	15JUL04
0090	Hydraulic Dredging for Beach Fill	15d	0	01JUL04	10OCT04
0100	Mobilization at 50% Completion	1d	0	15AUG04	16AUG04
0110	Mobilization at 75% Completion	1d	0	10SEP04	10SEP04



Display: BCWS



ID	Description	Units	Total	Display: BCWS						
	Resource total		*		826,064	3,165,019	2,791,021	2,596,605	1,419,165	
Total				0	826,064	3,165,019	2,791,021	2,596,605	1,419,165	0

MAY JUN JUL AUG SEP OCT NOV
2004

Start date	14MAY04
Finish date	27JAN05
Data date	14MAY04
Run date	10JUN04
Page number	1A

© Primavera Systems, Inc.

Weeks Marine, Inc.
304 Gaille Drive
Covington, LA 70433

- Target start point
- Target finish point
- Target bar
- Progress bar
- Critical bar
- Summary bar

Appendix B

Change Order Nos. 1 through 4

CHANGE ORDER NO. 1

RECEIVED SEP 17 2004

PROJECT:
Timbalier Island Dune/Marsh Restoration Project

DATE OF ISSUANCE:

OWNER:
Louisiana Department of Natural Resouces
1440 Tiger Drive, Suite B
Thibodaux, Louisiana 70301

OWNER'S PROJECT NO. CO

TE-40

CONTRACTOR:
Weeks Marine, Inc.
304 Gaille Drive
Covington, Louisiana 70433

ENGINEER:
Shaw Coastal, Inc.
197 Elysian Drive
Houma, Louisiana 70363

CONTRACT FOR:
Timbalier Island Dune/Marsh Restoration

ENGINEER'S PROJECT NO.
2272

You are directed to make the following changes in the Contract Documents.

Description:
Increase the total Construction Cost from $10,797,875.00 to $10,844,620.69 with no increase in project construction time.

Purpose of Change Order:
See attached summary.

CHANGE IN CONTRACT PRICE:

Original Contract Price
$ 10,797,875.00

Previous Change Orders No. 0 to No.0
$ 0.00

Contract Price Prior to this Change Order
$ 10,797,875.00

Net Increase of this Change Order
$ 46,745.69

Contract Price with all approved Change Orders
$ 10,844,620.69

CHANGE IN CONTRACT TIME:

Original Contract Time
210 Calender Days
days or date

Net Change from previous Change Orders
0 Days
days

Contract Time Prior to this Change Order
210 Calender Days
days or date

Net Increase of this Change Order
0 Days
date

Contract Time with all approved Change Orders
210 Calender Days
days or date

RECOMMENDED:
By:
Date: 9/14/04

APPROVED:
By: LDNR
Date: 9/20/2004

APPROVED:
By: Weeks Marine, Inc.
Date: 9/2/2004

RECEIVED
SEP 17 2004

Louisiana Department of Natural Resources
TIMBALIER ISLAND DUNE/MARSH RESTORATION PROJECT

SCI Project No. 2272

Change Order No. 1 Summary

Change Order No. 1 will increase the total Construction Cost from $10,797,875.00 to $10,844,620.69 with no increase in project construction time.

The following Bid Items will be modified:

ITEM NO.	ITEM	UNIT	ORIGINAL QUANTITY	UNIT COST	ORIGINAL BID AMOUNT	ADDITIONAL QUANTITY	COST WITH CHANGE ORDER	ADDITIONAL COST
3	Containment Dikes	LF	23,000	$25.00	$575,000	1,305	$607,625.00	$32,625.00
7	Access Dredging	LS	LS	LS	$65,000	LS	$79,120.69	$14,120.69
							TOTAL:	**$46,745.69**

K:\2272\CHANGE ORDERS\NO. 1\SUMMARY.DOC

INFORMATION AND
FILE COPY
RECEIVED
2004 OCT
COPY
COASTAL RESTORATION

ORDER CHANGE

STATE OF LOUISIANA
OFFICE OF STATE PURCHASING
STATE PURCHASE ORDER (FRM REQ)

CHANGE NUMBER	DATE PRINTED	ORDER NUMBER
01	10/04/04	3739838

VENDOR NAME, STREET, CITY, STATE, ZIP CODE
WEEKS MARINE INC
304 GAILLE DR
COVINGTON, LA 70433

ALL TERMS AND CONDITIONS IN THE SOLICITATION ARE PART OF THIS, ORDER AS IF FULLY REPRODUCED HEREIN.

FILE NUMBER : K25547DL
PURCHASING AGENCY NO. : 107001
FY: 05

ADDRESS ALL INQUIRIES AND CORRESPONDENCE TO:
DOROTHEA YOUNG, CPPB
(225)342 8022

BILL TO:

DEPARTMENT OF NATURAL RESOURCES
CRD-CONSTRUCTION PROJECT
ATTN: CHRIS WILLIAMS
P O BOX 44027
BATON ROUGE, LA 70804-4027

SHIP FOB DESTINATION TO: (UNLESS SPECIFIED ELSEWHERE)
DEPARTMENT OF NATURAL RESOURCES
CRD - CONSTRUCTION PROJECT
CRD-FIELD OFFICE
PROJECT SITE, LA 00000

CONTACT FOR DELIVERY INSTRUCTIONS (NAME,TELEPHONE)
SAM PRIDDY / CHRIS WILLIAMS
(225)342-5023-7549

VENDOR NO.	AWARD CODE	SOLIC CODE	BUYER CODE	COMPL CODE	ISIS REQ NUMBER	AGENCY REQ NUMBER	SOLICIT NUMBER	CONTRACT NUMBER	REQ AGENCY: 435002 OFFICE OF STATE PURCHASING DEPT OF NATURAL RESOURCES
135475810-00	1	I	D	F	1257741	CRD040459	2186355		

PROMPT PAYMENT TERMS	DELIVERY TERMS/FOB POINT	TOTAL AMOUNT OF THIS CHANGE	TYPE OF CHANGE	NET ORDER AMOUNT
NONE	AS SPECIFIED DESTINATION	$ 46745.69	INCREASE FUNDS	$ 10844620.69

LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
00002	COMMODITY CODE: 962-73-000000 DELIVERY TERMS: SEE HEADER PAGE AMOUNT CONTINUED FROM LINE 00001, $5,398,937.50. ADD CHANGE ORDER NO. 1. (+ $46,745.69) JOB COST INCREASE DUE TO NEED FOR ADDITIONAL CONTAINMENT DIKES AND ADDITIONAL REQUIRED ACCESS DREDGING. COST BREAKDOWN: CONTAINMENT DIKES - $32,625.00 ACCESS DREDGING - $14,120.69	1	JOB	$ 5445683.19	$ 5445683.19

APPROVED: Dorothea Young

DENISE LEA
DIRECTOR OF STATE PURCHASING

ATTACHMENT TEXT	INCREASE FUNDS	
NUMBER : 3739838 VENDOR NUMBER: 135475810-00	VENDOR: WEEKS MARINE INC	PAGE 2

CHANGE ORDER NO. 1 - INCREASE CONTRACT PRICE + $46,745.69.
(NEW TOTAL = $10,844,620.69

CHANGE ORDER NO. 2

RECEIVED
OCT 14 2004
CCD

PROJECT:
Timbalier Island Dune/Marsh Restoration Project

DATE OF ISSUANCE:

OWNER:
Louisiana Department of Natural Resouces
1440 Tiger Drive, Suite B
Thibodaux, Louisiana 70301

OWNER'S PROJECT NO.
TE-40

CONTRACTOR:
Weeks Marine, Inc.
304 Gaille Drive
Covington, Louisiana 70433

ENGINEER:
Shaw Coastal, Inc.
197 Elysian Drive
Houma, Louisiana 70363

CONTRACT FOR:
Timbalier Island Dune/Marsh Restoration

ENGINEER'S PROJECT NO.
2272

You are directed to make the following changes in the Contract Documents.

Description:
Change Order No. 2 increases the total Construction Cost from $10,844,620,69 to $13,408,120.69 with no increase in project construction time.

Purpose of Change Order:
See attached summary.

CHANGE IN CONTRACT PRICE:

Original Contract Price
$ 10,797,875.00

Previous Change Orders No. 1 to No.1
$ 46,745.69

Contract Price Prior to this Change Order
$ 10,844,620.69

Net increase of this Change Order
$ 2,563,500.00

Contract Price with all approved Change Orders
$ 13,408,120.69

CHANGE IN CONTRACT TIME:

Original Contract Time
210 Calender Days
days or date

Net Change from previous Change Orders
0 Days
days

Contract Time Prior to this Change Order
210 Calender Days
days or date

Net Increase of this Change Order
0 Days
date

Contract Time with all approved Change Orders
210 Calender Days
days or date

RECOMMENDED:
By: JEFFERY M. PENA
REG. No. 29986
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
Date:

APPROVED:
By: Daniel Deanmond
LDNR
Date: 10/14/2004

APPROVED:
By: J. STEPHEN CHAIR VICE PRES.
Weeks Marine, Inc.
Date: 10/7/04

RECEIVED
OCT 14 2004

Louisiana Department of Natural Resources
TIMBALIER ISLAND DUNE/MARSH RESTORATION PROJECT

SCI Project No. 2272

Change Order No. 2 Summary

Change Order No. 2 will increase the total Construction Cost from $10,844,620.69 to $13,408,120.69 with no increase in project construction time.

The following Bid Item will be added:

ITEM NO.	ITEM	UNIT	ORIGINAL QUANTITY	UNIT COST	ORIGINAL BID AMOUNT	ADDITIONAL QUANTITY	COST WITH CHANGE ORDER	ADDITIONAL COST
10	Additional Hydraulic Beach Fill (Net Section Borrow)	CY	0	$2.47	$0.00	1,000,000	$2,470,000.00	$2,470,000.00
11	Mobilization (Hurricane Ivan Repairs)	LS	0	$15,000.00	$0.00	1	$15,000.00	$15,000.00
12	Containment Dikes (Hurricane Ivan Repairs)	LF	0	$25.00	$0.00	2,000	$50,000.00	$50,000.00
13	Seeding	AC	0	$285.00	$0.00	100	$28,500.00	$28,500.00
							TOTAL:	**$2,563,500.00**

The total additional quantity has been estimated to be between 400,000 cy and 1,000,000 cy. The exact additional quantity (within the above mentioned range) will be dependent upon the amount of contract dredge quantity remaining from the original bid quantity of dredge material (3,600,000 cy). This additional material will be placed as per the attached cross sections after the remaining quantity has been placed.

Also, as part of Change Order No. 2, Weeks Marine, Inc. (WMI) will place the remaining quantity of original dredge material as beach fill as shown on the attached cross sections. This beach fill shall begin at the eastern end of the project and proceed westward and will be paid as per Field Order No. 1.

The additional beach fill quantities will be determined and paid for by borrow area surveys.

Weeks Marine, Inc. (WMI) shall reconstruct approximately 2,000 feet of dune on the eastern end of the Island damaged by Hurricane Ivan. This work shall include the construction of up to 2,000 feet of dike at $25.00 per foot and mobilization of additional equipment at a lump sum cost of $15,000.00. The work will follow the specifications for Dike Construction and Mobilization.

In the event adverse weather dictates the cessation of operations at any time during the performance of additional work and WMI must demobilize from the site, the additional work directed by this Change Order will be terminated. However, WMI may request approval from Louisiana Department of Natural Resources (LDNR) to remobilize to the site and recommence dredging operations in order to complete the additional work.

WMI shall seed the dune platform within the project area. The following specifications shall be followed:

> Gulf Annual Rye Seed (Lolium multiflorum) is to be dispersed onto the island shortly after all construction, including dredging/grading activities and sand fence installation, is completed.
>
> A total of 5,000 lbs. of Gulf Annual Rye (Lolium multiflorum) grass seed shall be evenly dispersed onto the dune platform of Timbalier Island. Fifty (50) lbs. of rye grass seed are required per acre. Approximately 100 acres of the dune platform is to be seeded. Seed dispersal shall be uniform across the entire dune platform.

K:\2272\CHANGE ORDERS\NO. 2\SUMMARY.DOC

RECEIVED
OCT 14 2004

WEEKS MARINE, INC.

DREDGING - MARINE CONTRACTORS
STEVEDORING - EQUIPMENT RENTALS
TOWING - HEAVY LIFT - SALVAGE

304 GAILLE DRIVE • COVINGTON, LA 70433 Office (985) 875-2500 Fax (985) 875-2572

October 4, 2004

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

Attn: Jeffery Pena, P.E.

Re: Timbalier Island Dune/Marsh Restoration Project

Dear Mr. Pena:

In accordance with discussions during the site meeting of September 24, 2004, Weeks Marine, Inc. (WMI) hereby submits its proposal to perform additional work on the referenced project. The following terms and conditions of the proposal are provided for your review and acceptance:

1) WMI shall place approximately 1,000,000 cubic yards of fill in addition to the base contract quantity of 3,600,000 cubic yards. The additional fill material shall be placed on the beach between Stations 206+00 and 92+50. Fill operations shall commence in the area of Station 206+00 and proceed in a westerly direction.

2) The additional fill quantity shall be placed at a unit price of $2.47 per cubic yard. The pay quantity shall be determined by borrow area survey.

3) Due to the loss of dune associated with Hurricane Ivan, WMI shall reconstruct approximately 2,000 feet of dune on the eastern end of the island. The contract unit price of $25.00 per linear foot shall apply to the actual quantity of dike completed. It is anticipated that WMI will be able to utilize equipment currently on the island. If it is necessary to mobilize additional marsh buggies to perform the dune reconstruction, a lump sum of $15,000.00 shall be charged for mobilization and demobilization.

4) In the event adverse weather dictates the cessation of operations at any time during the performance of additional work, and WMI must demobilize from the site, the additional work directed by this change order will be terminated. However, WMI may request approval from LDNR to remobilize to the site and recommence dredging operations in order to complete the additional work.

5) WMI proposes to seed approximately 100 acres of dune with 5,000 lbs of gulf annual rye seed for a price of $285 per acre. The work will be performed in conjunction with the construction of sand fencing. The price includes seeding only, fertilizing is not required.

If you have any questions or require additional information regarding this proposal please contact me.

Sincerely,

WEEKS MARINE, INC.

J. Stephen Chatry
Vice President

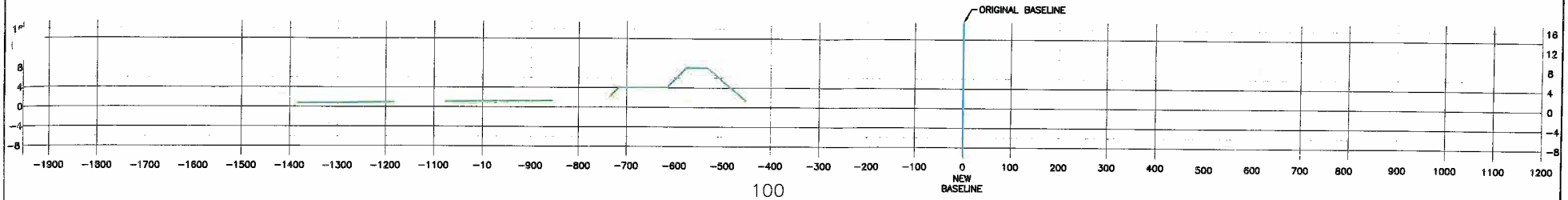
REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY:	DESIGNED BY:
STATE PROJECT NUMBER:	
FEDERAL PROJECT NUMBER:	DATE:
APPROVED BY:	SHEET OF

TIMBALIER BAY

GULF OF MEXICO



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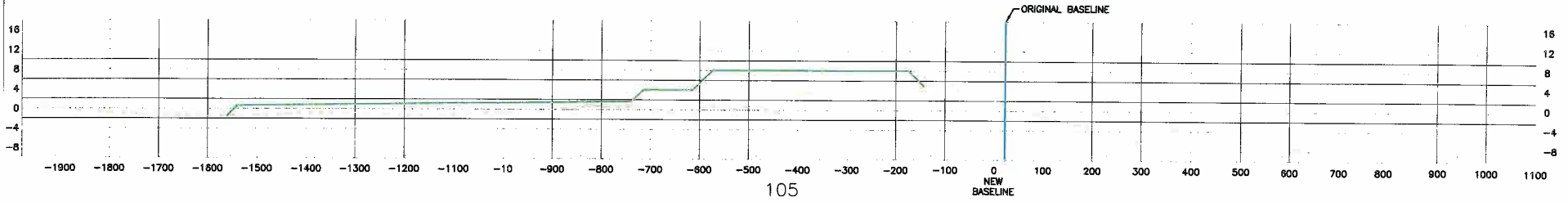

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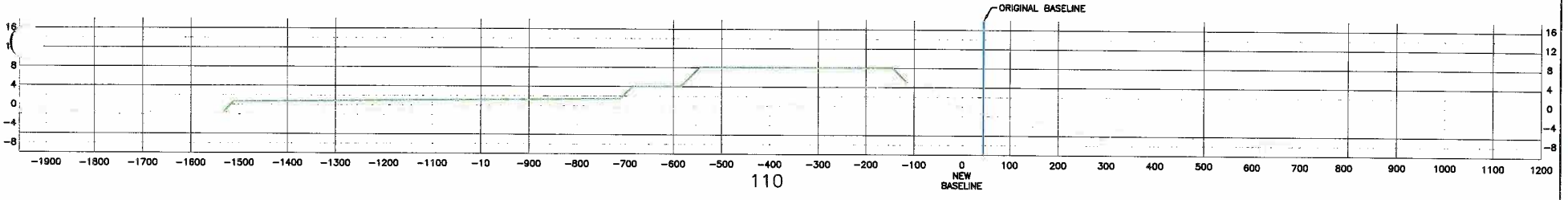

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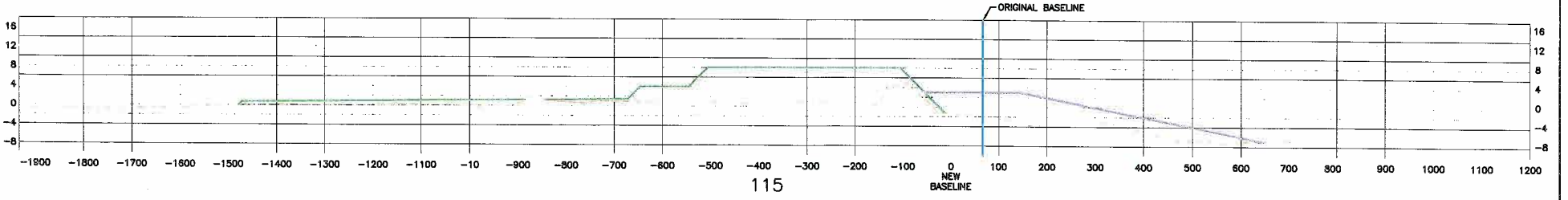


115

LEGEND

TEMPLATE

200' BERM WITH 1:50 SLOPE

PRE-CONSTRUCTION SURVEY PROFILE

G:\Users\Autocad\BASINS\TE\TE-40 Timbalier\2004\Profiles (June 15 2004).dwg

NOTE:
THE GULF SIDE BEACH FILL TEMPLATE AS DEPICTED ON SHEET 6 OF 23 OF THE CONSTRUCTION PLANS HAS BEEN REVISED AS FOLLOWS. THE BERM WIDTH HAS BEEN REDUCED FROM 300' TO ±200'. THE BEACH SLOPE HAS BEEN FLATTEN FROM 30:1 TO 50:1.

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: KRISTI CANTU | DESIGNED BY: BEAU TATE, P.E.

TIMBALIER ISLAND DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-40

FEDERAL PROJECT NUMBER:

APPROVED BY: LUKE LEBAS, P.E

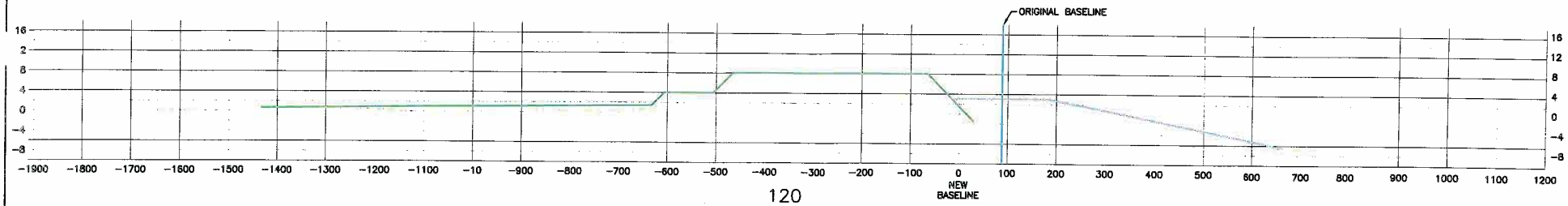
CROSS SECTIONS

DATE: 10/4/04

SHEET 1 OF 6

TIMBALIER BAY

GULF OF MEXICO



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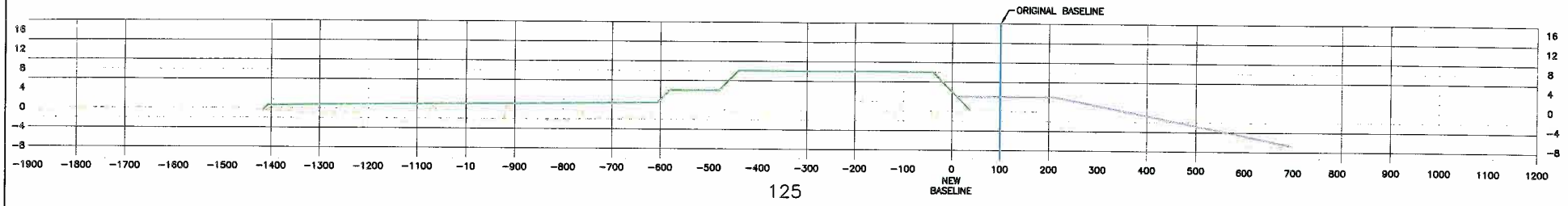

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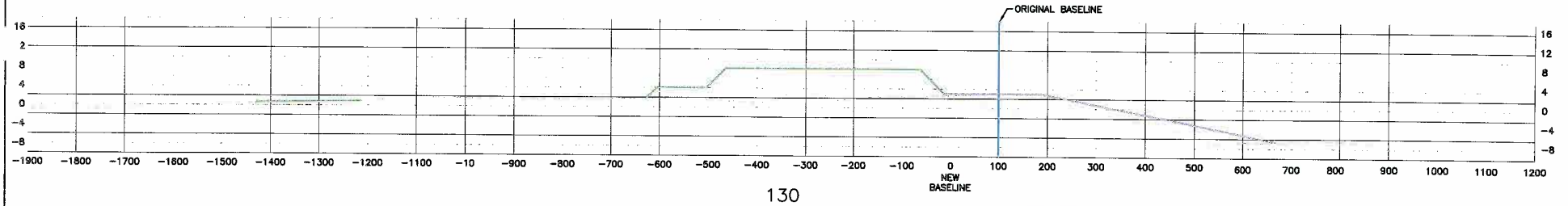

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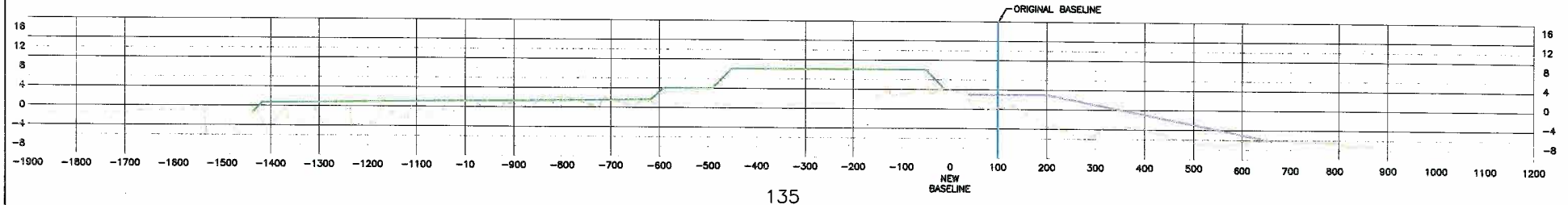

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LEGEND

TEMPLATE

200' BERM WITH 1:50 SLOPE

PRE-CONSTRUCTION SURVEY PROFILE

NOTE:
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REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: KRISTI CANTU | DESIGNED BY: BEAU TATE, P.E.

TIMBALIER ISLAND DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-40

FEDERAL PROJECT NUMBER:

APPROVED BY: LUKE LEBAS, P.E

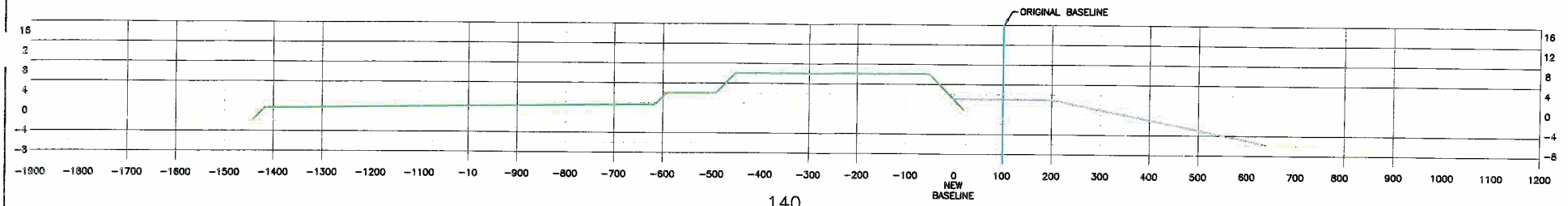
CROSS SECTIONS

DATE: 10/4/04

SHEET 2 OF 6

TIMBALIER BAY

GULF OF MEXICO



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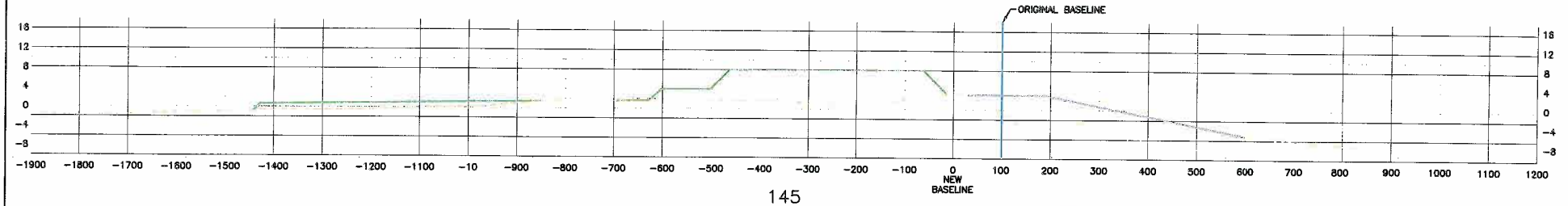

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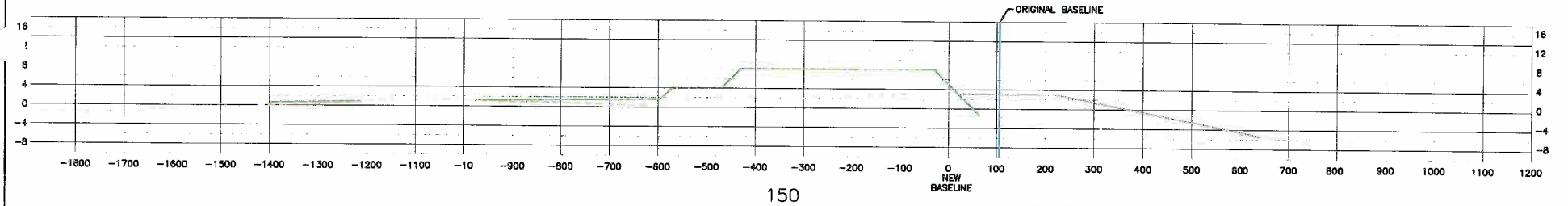

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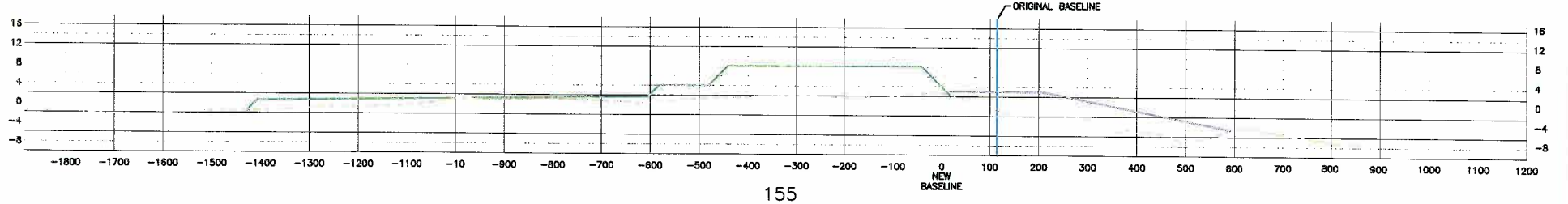

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LEGEND

TEMPLATE

200' BERM WITH 1:50 SLOPE

PRE-CONSTRUCTION SURVEY PROFILE

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REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: KRISTI CANTU | DESIGNED BY: BEAU TATE, P.E.

TIMBALIER ISLAND DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-40

FEDERAL PROJECT NUMBER:

APPROVED BY: LUKE LEBAS, P.E

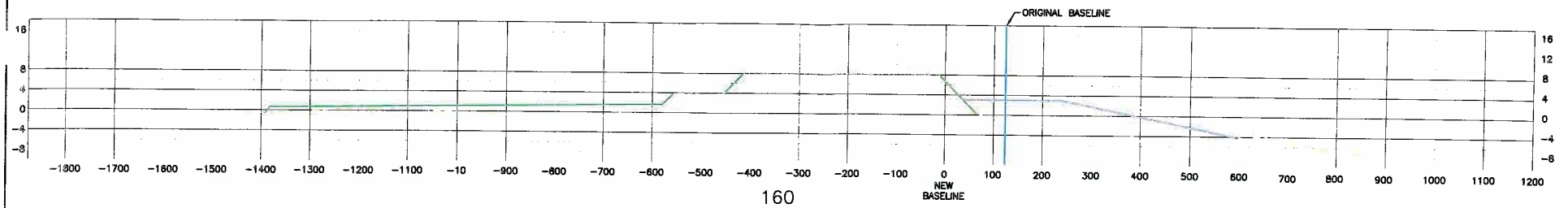
CROSS SECTIONS

DATE: 10/4/04

SHEET 3 OF 6

TIMBALIER BAY

GULF OF MEXICO



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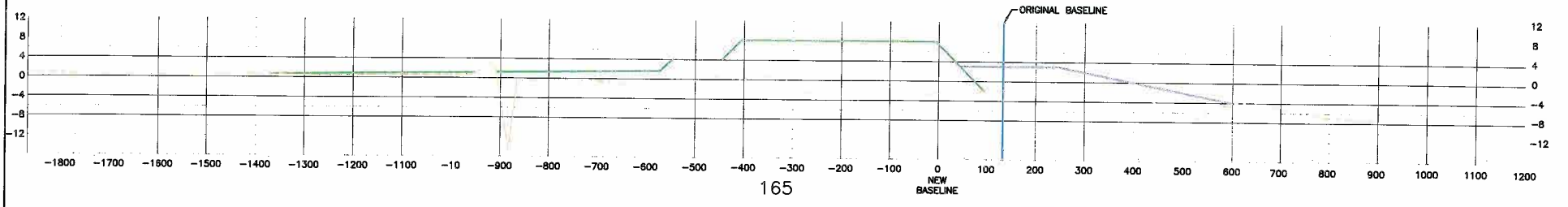

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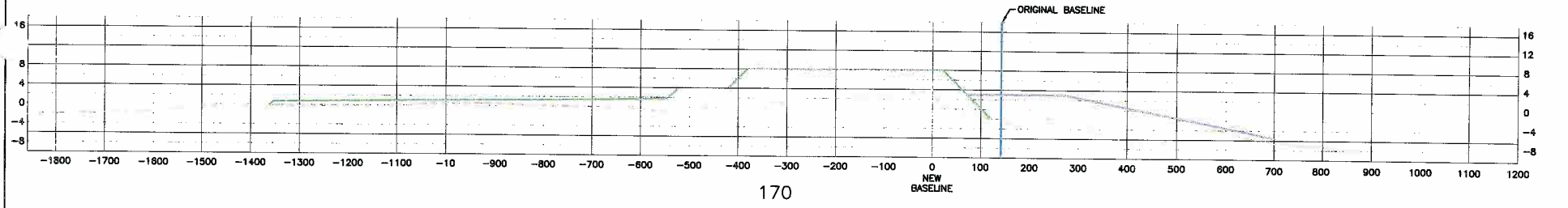

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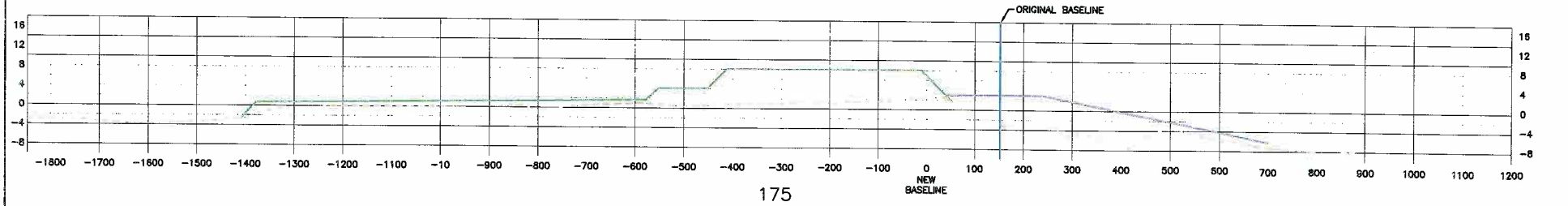

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LEGEND

TEMPLATE

200' BERM WITH 1:50 SLOPE

PRE-CONSTRUCTION SURVEY PROFILE

NOTE:
THE GULF SIDE BEACH FILL TEMPLATE AS DEPICTED ON SHEET 8 OF 23 OF THE CONSTRUCTION PLANS HAS BEEN REVISED AS FOLLOWS. THE BERM WIDTH HAS BEEN REDUCED FROM 300' TO ±200'. THE BEACH SLOPE HAS BEEN FLATTEN FROM 30:1 TO 50:1.

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: KRISTI CANTU | DESIGNED BY: BEAU TATE, P.E.

TIMBALIER ISLAND DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-40

FEDERAL PROJECT NUMBER:

APPROVED BY: LUKE LEBAS, P.E

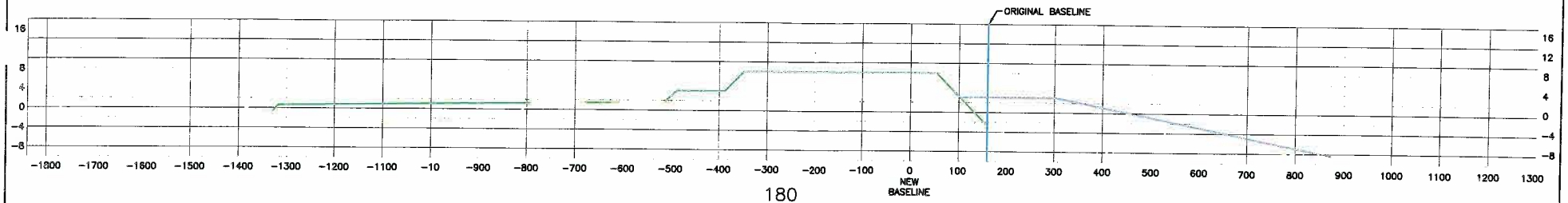
CROSS SECTIONS

DATE: 10/4/04

SHEET 4 OF 6

TIMBALIER BAY

GULF OF MEXICO



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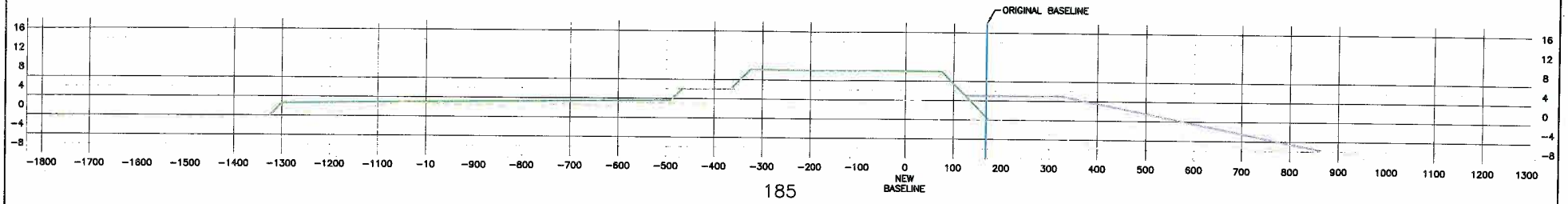

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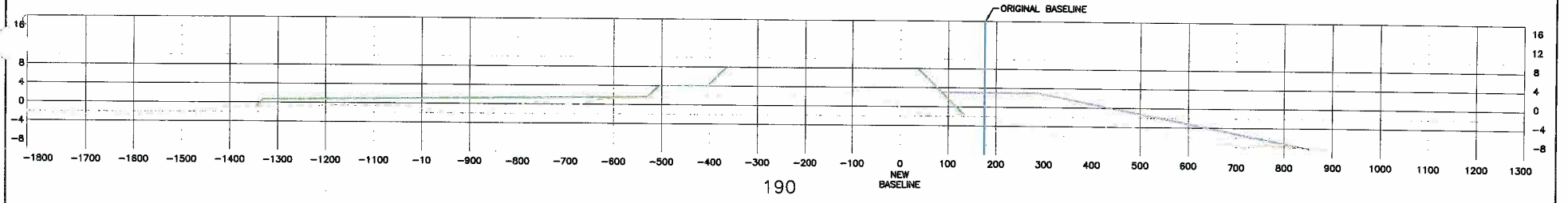

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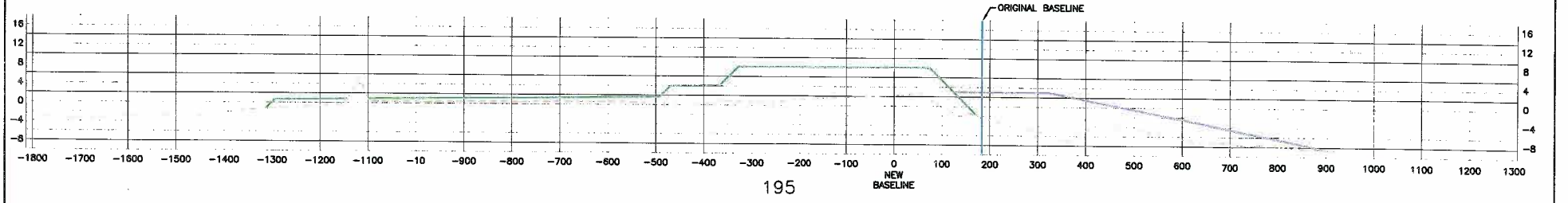

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LEGEND

TEMPLATE

200' BERM WITH 1:50 SLOPE

PRE-CONSTRUCTION SURVEY PROFILE

NOTE:
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REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: KRISTI CANTU | DESIGNED BY: BEAU TATE, P.E.

TIMBALIER ISLAND DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-40

FEDERAL PROJECT NUMBER:

APPROVED BY: LUKE LEBAS, P.E

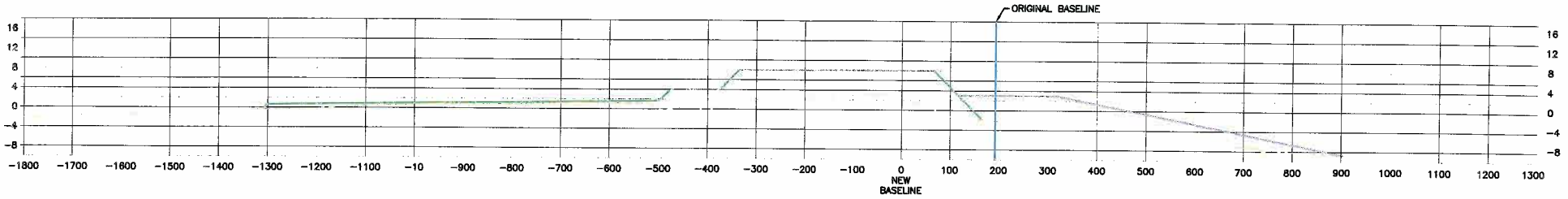
CROSS SECTIONS

DATE: 10/4/04

SHEET 5 OF 6

TIMBALIER BAY

GULF OF MEXICO



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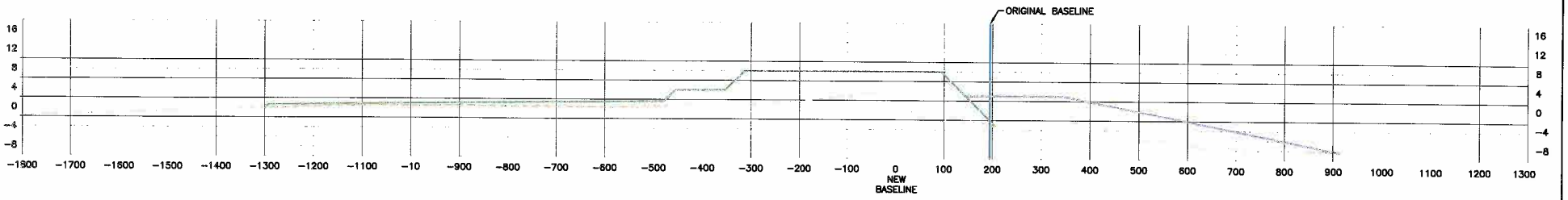

205

LEGEND

TEMPLATE

200' BERM WITH 1:50 SLOPE

PRE-CONSTRUCTION SURVEY PROFILE

NOTE:
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REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: KRISTI CANTU | DESIGNED BY: BEAU TATE, P.E.

TIMBALIER ISLAND DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-40

FEDERAL PROJECT NUMBER:

APPROVED BY: LUKE LEBAS, P.E

CROSS SECTIONS

DATE: 10/4/04

SHEET 6 OF 6

ORDER CHANGE COPY

STATE OF LOUISIANA
OFFICE OF STATE PURCHASING
STATE PURCHASE ORDER (FRM REQ)

CHANGE NUMBER	DATE PRINTED	ORDER NUMBER
02	10/29/04	3739838

VENDOR NAME, STREET, CITY, STATE, ZIP CODE
WEEKS MARINE INC
304 GAILLE DR
COVINGTON, LA 70433

ALL TERMS AND CONDITIONS IN THE SOLICITATION ARE PART OF THIS ORDER AS IF FULLY REPRODUCED HEREIN.

FILE NUMBER : K25547DL
PURCHASING AGENCY NO. : 107001
FY: 05

ADDRESS ALL INQUIRIES AND CORRESPONDENCE TO:
DOROTHEA YOUNG, CPPB
(225)342 8022

BILL TO:
DEPARTMENT OF NATURAL RESOURCES
CRD-CONSTRUCTION PROJECT
ATTN: CHRIS WILLIAMS
P O BOX 44027
BATON ROUGE, LA 70804-4027

SHIP FOB DESTINATION TO: (UNLESS SPECIFIED ELSEWHERE)
DEPARTMENT OF NATURAL RESOURCES
CRD - CONSTRUCTION PROJECT
CRD-FIELD OFFICE
PROJECT SITE, LA 00000

CONTACT FOR DELIVERY INSTRUCTIONS (NAME,TELEPHONE)
SAM PRIDDY / CHRIS WILLIAMS
(225)342-5023-7549

VENDOR NO.	AWARD CODE	SOLIC CODE	BUYER CODE	COMPL CODE	ISIS REQ NUMBER	AGENCY REQ NUMBER	SOLICIT NUMBER	CONTRACT NUMBER	REQ AGENCY: 435002 OFFICE OF STATE PURCHASING DEPT OF NATURAL RESOURCES
135475810-00	1	1	D	F	1257741	CRD040459	2186355		

PROMPT PAYMENT TERMS	DELIVERY TERMS/FOB POINT	TOTAL AMOUNT OF THIS CHANGE	TYPE OF CHANGE	NET ORDER AMOUNT
NONE	AS SPECIFIED DESTINATION	$ 2563500.00	INCREASE FUNDS	$ 13408120.69

LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
00001	COMMODITY CODE: 962-73-000000 DELIVERY TERMS: SEE HEADER PAGE FURNISH ALL MATERIAL, LABOR, SUPPLIES, TOOLS AND EQUIPMENT NECESSARY TO DREDGE & PLACE APPROXIMATELY 3.9 MILLION CUBIC YARDS OF SAND FILL MATERIAL ON THE EASTERN END OF TIMBALIER ISLAND TO CONSTRUCT DUNES, DIKES & CREATE A MARSH PLATRORM ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. SEE BREAKDOWN OF BASE BID ATTACHED.	1	JOB	$ 5398937.50	$ 5398937.50
00002	COMMODITY CODE: 962-73-000000 DELIVERY TERMS: SEE HEADER PAGE AMOUNT CONTINUED FROM LINE 00001	1	JOB	$ 5445683.19	$ 5445683.19
00003	COMMODITY CODE: 962-73-000000	1	JOB	$ 2563500.00	$ 2563500.00

APPROVED: Dorothea Young
DENISE LEA
DIRECTOR OF STATE PURCHASING

CHANGE ORDER	INCREASE FUNDS			
NUMBER : 3739838 VENDOR NUMBER : 135475810-00	VENDOR: WEEKS MARINE INC			PAGE 2
COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
DELIVERY TERMS: SEE HEADER PAGE **********CHANGE ORDER 02********** #10 ADDITIONAL HYDRAULIC BEACH FILL (NET SECTION BARROW) $2,470,000.00 #11 MOBILIZATION (HURRICANE IVAN REPAIRS $15,000.00 #12 CONTAINMENT DIKES (HURRICANE IVAN REPAIRS) $50,000.00 #13 SEEDING $28,500.00				

ATTACHMENT TEXT	INCREASE FUNDS	
NUMBER : 3739838 VENDOR NUMBER: 135475810-00	VENDOR: WEEKS MARINE INC	PAGE 3

TO ADD ITEM 10, 11, 12 AND 13 TO COMPENSATE FOR THE LOSS OF PLACED MATERIAL FROM HURRICANE IVAN AS PER LETTER OF JUSTIFICATION SENT TO DENISE LEA 10/28/04.

CHANGE ORDER NO. 3

PROJECT:
Timbalier Island Dune/Marsh Restoration Project

DATE OF ISSUANCE:

OWNER:
Louisiana Department of Natural Resouces
1440 Tiger Drive, Suite B
Thibodaux, Louisiana 70301

OWNER'S PROJECT NO.
TE-40

CONTRACTOR:
Weeks Marine, Inc.
304 Gaille Drive
Covington, Louisiana 70433

ENGINEER:
Shaw Coastal, Inc.
197 Elysian Drive
Houma, Louisiana 70363

CONTRACT FOR:
Timbalier Island Dune/Marsh Restoration

ENGINEER'S PROJECT NO.
2272

You are directed to make the following changes in the Contract Documents.

Description:
Change Order No. 3 Increases the total Construction Cost from $13,408,120.69 to $13,433,120.69 with no increase in project construction time.

Purpose of Change Order:
See attached summary.

CHANGE IN CONTRACT PRICE:

Original Contract Price
$ 10,797,875.00

Previous Change Orders No. 1 to No.2
$ 2,610,245.69

Contract Price Prior to this Change Order
$ 13,408,120.69

Net increase of this Change Order
$ 25,000.00

Contract Price with all approved Change Orders
$ 13,433,120.69

CHANGE IN CONTRACT TIME:

Original Contract Time
210 Calender Days
days or date

Net Change from previous Change Orders
0 Days
days

Contract Time Prior to this Change Order
210 Calender Days
days or date

Net Increase of this Change Order
0 Days
date

Contract Time with all approved Change Orders
210 Calender Days
days or date

RECOMMENDED: ROBERT M. PENA
By: [signature] REG. No. 29388 REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
Date: 11/29/04

APPROVED:
By: [signature] LDNR
Date: 11/30/2004

APPROVED:
By: [signature] V. STEPHEN CHAUVIN, VP Weeks Marine, Inc.
Date: 11-29-04

RECEIVED
NOV 30 2004

Louisiana Department of Natural Resources
TIMBALIER ISLAND DUNE/MARSH RESTORATION PROJECT

SCI Project No. 2272

Change Order No. 3 Summary

Change Order No. 3 will increase the total Construction Cost from $13,408,120.69 to $13,433,120.69 with no increase in project construction time.

The following Bid Item will be added:

ITEM NO.	ITEM	UNIT	ORIGINAL QUANTITY	UNIT COST	ORIGINAL BID AMOUNT	ADDITIONAL QUANTITY	COST WITH CHANGE ORDER	ADDITIONAL COST
14	Containment Dikes (Tropical Storm Matthew Repairs)	LF	0	$25.00	$0.00	1,000	$25,000.00	$25,000.00
							TOTAL:	**$25,000.00**

K:\2272\CHANGE ORDERS\NO. 3\SUMMARY.DOC

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NOV 3 0 2004

WEEKS MARINE, INC.

DREDGING - MARINE CONTRACTORS
STEVEDORING - EQUIPMENT RENTALS
TOWING - HEAVY LIFT - SALVAGE

304 GAILLE DRIVE • COVINGTON, LA 70433 Office (985) 875-2500 Fax (985) 875-2572

10 November 2004

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

WMI Serial Letter No.: SCI-39

Attention: Mr. Jeffery M. Pena, P.E.

Reference: State Project No. TE-40
SCI Project No. 2272
Timbalier Island Dune/Marsh Restoration Project
Terrebonne Parish, Louisiana

Subject: Change Order No. 3

Dear Sir:

Weeks Marine Inc. had to construct 1,000 feet of additional dike to complete the work for Tropical Storm Matthew damages. The additional cost using the present contract unit price is as follows:

1,000 feet @ $25.00 / foot = $25,000.00

If you have any questions or require additional information, please contact me at (985) 875-2525.

Sincerely yours,
WEEKS MARINE, INC.

Charles R. Balentine
Office Engineer
Bucket, Hopper and Hydraulic Groups

cc: Steve Lane
Larry DaVico
Charles Granger
Gary Johnson
Correspondence File

COPY FOR YOUR INFORMATION AND FILES ONLY
COPY

ORDER CHANGE

STATE OF LOUISIANA
OFFICE OF STATE PURCHASING
STATE PURCHASE ORDER (FRM REQ)

CHANGE NUMBER	DATE PRINTED	ORDER NUMBER
03	12/15/04	3739838

VENDOR NAME, STREET, CITY, STATE, ZIP CODE
WEEKS MARINE INC
304 GAILLE DR
COVINGTON, LA 70433

ALL TERMS AND CONDITIONS IN THE SOLICITATION ARE PART OF THIS ORDER AS IF FULLY REPRODUCED HEREIN.

FILE NUMBER : K25547DL
PURCHASING AGENCY NO.: 107001
FY: 05

ADDRESS ALL INQUIRIES AND CORRESPONDENCE TO:
DOROTHEA YOUNG, CPPB
(225)342 9022

BILL TO:
DEPARTMENT OF NATURAL RESOURCES
CRD-CONSTRUCTION PROJECT
ATTN: CHRIS WILLIAMS
P O BOX 44027
BATON ROUGE, LA 70804-4027

SHIP FOB DESTINATION TO: (UNLESS SPECIFIED ELSEWHERE)
DEPARTMENT OF NATURAL RESOURCES
CRD - CONSTRUCTION PROJECT
CRD-FIELD OFFICE
PROJECT SITE, LA 00000

CONTACT FOR DELIVERY INSTRUCTIONS (NAME,TELEPHONE)
SAM PRIDDY / CHRIS WILLIAMS
(225)342-5023-7549

VENDOR NO.	AWARD CODE	SOLIC CODE	BUYER CODE	COMPL CODE	ISIS REQ NUMBER	AGENCY REQ NUMBER	SOLICIT NUMBER	CONTRACT NUMBER	REQ AGENCY: 435002 OFFICE OF STATE PURCHASING DEPT OF NATURAL RESOURCES
135475810-00	1	I	D	F	1257741	CRD040459	2186355		

PROMPT PAYMENT TERMS	DELIVERY TERMS/FOB POINT	TOTAL AMOUNT OF THIS CHANGE	TYPE OF CHANGE	NET ORDER AMOUNT
NONE	AS SPECIFIED DESTINATION	$ 25000.00	INCREASE FUNDS	$ 13433120.69

LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
00001	COMMODITY CODE: 962-73-000000 DELIVERY TERMS: SEE HEADER PAGE FURNISH ALL MATERIAL, LABOR, SUPPLIES, TOOLS AND EQUIPMENT NECESSARY TO DREDGE & PLACE APPROXIMATELY 3.9 MILLION CUBIC YARDS OF SAND FILL MATERIAL ON THE EASTERN END OF TIMBALIER ISLAND TO CONSTRUCT DUNES, DIKES & CREATE A MARSH PLATFORM ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. SEE BREAKDOWN OF BASE BID ATTACHED.	1	JOB	$ 5398937.50	$ 5398937.50
00002	COMMODITY CODE: 962-73-000000 DELIVERY TERMS: SEE HEADER PAGE AMOUNT CONTINUED FROM LINE 00001, $5,398,937.50.	1	JOB	$ 5445683.19	$ 5445683.19

APPROVED: Dorothea Young
DENISE LEA
DIRECTOR OF STATE PURCHASING

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2004 DEC 17 PM 1:51
NATURAL RESOURCES
PURCHASING

CHANGE ORDER	INCREASE FUNDS			
NUMBER : 3739838 VENDOR NUMBER : 135475810-00	VENDOR: WEEKS MARINE INC			PAGE 2
COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
ADD CHANGE ORDER NO. 1. (+ $46,745.69) JOB COST INCREASE DUE TO NEED FOR ADDITIONAL CONTAINMENT DIKES AND ADDITIONAL REQUIRED ACCESS DREDGING. COST BREAKDOWN: CONTAINMENT DIKES - $32,625.00 ACCESS DREDGING - $14,120.69				
00003 COMMODITY CODE: 962-73-000000 DELIVERY TERMS: SEE HEADER PAGE **********CHANGE ORDER 02********** #10 ADDITIONAL HYDRAULIC BEACH FILL (NET SECTION BARROW) $2,470,000.00 #11 MOBILIZATION (HURRICANE IVAN REPAIRS $15,000.00 #12 CONTAINMENT DIKES (HURRICANE IVAN REPAIRS) $50,000.00 #13 SEEDING $28,500.00	1	JOB	$ 2563500.00	$ 2563500.00
00004 COMMODITY CODE: 962-73-000000 DELIVERY TERMS: SEE HEADER PAGE ********** CHANGE ORDER 03 ********** REPAIRS TO CONTAINMENT DIKES DUE TO TROPICAL STORM MATTHEW ORIGINAL ORDER $10,797,875.00 CO 01 $ 46,745.69 CO 02 $ 2,563,500.00 CO 03 $ 25,000.00 NEW TOTAL $13,433,120.69	1000	LFT	$ 25.00	$ 25000.00

ATTACHMENT TEXT	INCREASE FUNDS	
NUMBER : 3739838 VENDOR NUMBER: 135475810-00	VENDOR: WEEKS MARINE INC	PAGE 3

TO ADD ITEM 14 - REPAIRS MADE TO CONTAINMENT DIKES DUE TO TROPICAL STORM MATTHEW (PRICED FROM ITEM # 3 OF ORIGINAL BASE BID).

CHANGE ORDER NO. 4
BALANCING

PROJECT:
Timbalier Island Dune/Marsh Restoration Project

DATE OF ISSUANCE:

OWNER:
Louisiana Department of Natural Resouces
1440 Tiger Drive, Suite B
Thibodaux, Louisiana 70301

OWNER'S PROJECT NO.
TE-40

RECEIVED
FEB 01 2005
CCD

CONTRACTOR:
Weeks Marine, Inc.
304 Gaille Drive
Covington, Louisiana 70433

ENGINEER:
Shaw Coastal, Inc.
197 Elysian Drive
Houma, Louisiana 70363

CONTRACT FOR:
Timbalier Island Dune/Marsh Restoration

ENGINEER'S PROJECT NO.
2272

You are directed to make the following changes in the Contract Documents.

Description:
Change Order No. 4 will reduce the total Construction Cost from $13,433,120.69 to $13,369,439.24 (decrease of $63,681.45) with no change in project construction time.

Purpose of Change Order:
See attached summary.

CHANGE IN CONTRACT PRICE:

Original Contract Price
$ 10,797,875.00

Previous Change Orders No. 1 to No.3
$ 2,635,245.69

Contract Price Prior to this Change Order
$ 13,433,120.69

Net decrease of this Change Order
$ 63,681.45

Contract Price with all approved Change Orders
$ 13,369,439.24

CHANGE IN CONTRACT TIME:

Original Contract Time
210 Calender Days
days or date

Net Change from previous Change Orders
0 Days
days

Contract Time Prior to this Change Order
210 Calender Days
days or date

Net Increase of this Change Order
0 Days
date

Contract Time with all approved Change Orders
210 Calender Days
days or date

RECOMMENDED:
By: JEFFREY M. PENA
REG. NO. 29388
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
Date: 1/24/05

APPROVED:
By: David Dearmond
LDNR
Date: 2/2/2005

APPROVED:
By:
Weeks Marine, Inc.
Date: 1/24/05

Louisiana Department of Natural Resources
TIMBALIER ISLAND DUNE/MARSH RESTORATION PROJECT

SCI Project No. 2272

Change Order No. 4 (Balancing) Summary

Change Order No. 4 will reduce the total Construction Cost from $13,433,120.69 to $13,369,439.24 (decrease of $63,681.45) with no change in project construction time.

The following Bid Item will be added:

ITEM NO.	ITEM	UNIT	ORIGINAL QUANTITY	UNIT COST	ORIGINAL BID $ AMOUNT	UNEARNED QUANTITY	UNEARNED $ AMOUNT
6	Turbidity Screen	LF	4,800	$15.00	$72,000.00	3,245.43	$48,681.45
1	Mobilization (Hurricane Ivan Repairs)	LS	$15,000.00	$15,000.00	$15,000.00	$15,000.00	$15,000.00
						TOTAL DECREASE:	**$63,681.45**

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FEB 28

ORDER CHANGE

STATE OF LOUISIANA
OFFICE OF STATE PURCHASING
STATE PURCHASE ORDER (FRM REQ)

CHANGE NUMBER	DATE PRINTED	ORDER NUMBER
04	02/09/05	3739838

VENDOR NAME, STREET, CITY, STATE, ZIP CODE
WEEKS MARINE INC
304 GAILLE DR
COVINGTON, LA 70433

ALL TERMS AND CONDITIONS IN THE SOLICITATION ARE PART OF THIS ORDER AS IF FULLY REPRODUCED HEREIN.

FILE NUMBER : K25547DL
PURCHASING AGENCY NO. : 107001
FY: 05

ADDRESS ALL INQUIRIES AND CORRESPONDENCE TO:
DOROTHEA YOUNG, CPPB
(225)342 8022

BILL TO:
DEPARTMENT OF NATURAL RESOURCES
CRD-CONSTRUCTION PROJECT
ATTN: CHRIS WILLIAMS
P O BOX 44027
BATON ROUGE, LA 70804-4027

SHIP FOB DESTINATION TO: (UNLESS SPECIFIED ELSEWHERE)
DEPARTMENT OF NATURAL RESOURCES
COASTAL RESTORTATION DIVISION
PROJECT MANAGER
PROJECT SITE, LA 00000

CONTACT FOR DELIVERY INSTRUCTIONS (NAME,TELEPHONE)
SAM PRIDDY / ~~CHRIS WILLIAMS~~ SHANE TRICHE
(225)342-5023-7549

VENDOR NO.	AWARD CODE	SOLIC CODE	BUYER CODE	COMPL CODE	ISIS REQ NUMBER	AGENCY REQ NUMBER	SOLICIT NUMBER	CONTRACT NUMBER	REQ AGENCY: 435002 OFFICE OF STATE PURCHASING DEPT OF NATURAL RESOURCES
135475810-00	1	I	D	F	1257741	CRD040459	2186355		

PROMPT PAYMENT TERMS	DELIVERY TERMS/FOB POINT	TOTAL AMOUNT OF THIS CHANGE	TYPE OF CHANGE	NET ORDER AMOUNT
NONE	AS SPECIFIED DESTINATION	$ -61524.00	DECREASE FUNDS	$ 13371596.69

LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
00001	COMMODITY CODE: 962-73-000000 DELIVERY TERMS: SEE HEADER PAGE FURNISH ALL MATERIAL, LABOR, SUPPLIES, TOOLS AND EQUIPMENT NECESSARY TO DREDGE & PLACE APPROXIMATELY 3.9 MILLION CUBIC YARDS OF SAND FILL MATERIAL ON THE EASTERN END OF TIMBALIER ISLAND TO CONSTRUCT DUNES, DIKES & CREATE A MARSH PLATRORM ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. SEE BREAKDOWN OF BASE BID ATTACHED.	1	JOB	$ 5398937.50	$ 5398937.50
00002	COMMODITY CODE: 962-73-000000 DELIVERY TERMS: SEE HEADER PAGE AMOUNT CONTINUED FROM LINE 00001, $5,398,937.50.	1	JOB	$ 5445683.19	$ 5445683.19

APPROVED: Dorothea Young
DENISE LEA
DIRECTOR OF STATE PURCHASING

CHANGE ORDER	DECREASE FUNDS			
NUMBER : 3739838 VENDOR NUMBER : 135475810-00	VENDOR: WEEKS MARINE INC			PAGE 2
COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
ADD CHANGE ORDER NO. 1. (+ $46,745.69) JOB COST INCREASE DUE TO NEED FOR ADDITIONAL CONTAINMENT DIKES AND ADDITIONAL REQUIRED ACCESS DREDGING. COST BREAKDOWN: CONTAINMENT DIKES - $32,625.00 ACCESS DREDGING - $14,120.69				
00003 COMMODITY CODE: 962-73-000000 DELIVERY TERMS: SEE HEADER PAGE **********CHANGE ORDER 02********** #10 ADDITIONAL HYDRAULIC BEACH FILL (NET SECTION BARROW) $2,470,000.00 #11 MOBILIZATION (HURRICANE IVAN REPAIRS $15,000.00 #12 CONTAINMENT DIKES (HURRICANE IVAN REPAIRS) $50,000.00 #13 SEEDING $28,500.00	0.97	JOB	$ 2563500.00	$ 2501976.00
00004 COMMODITY CODE: 962-73-000000 DELIVERY TERMS: SEE HEADER PAGE ********** CHANGE ORDER 03 ********** REPAIRS TO CONTAINMENT DIKES DUE TO TROPICAL STORM MATTHEW ORIGINAL ORDER $10,797,875.00 CO 01 $ 46,745.69 CO 02 $ 2,563,500.00 CO 03 $ 25,000.00 NEW TOTAL $13,433,120.69	1000	LFT	$ 25.00	$ 25000.00
00005 COMMODITY CODE: 962-73-000000 DELIVERY TERMS: SEE HEADER PAGE ********** CHANGE ORDER 04 ********** TO REMOVE ITEM #1 DEMOBILIZATION $15,000 & ITEM # 6 TURBIDITY SCREEN $48,581.45 NOT NEEDED TO COMPLETE CONTRACT. ORIGINAL ORDER $10,797,875.00 CO 01 $ 46,745.69	0	LFT	$ 0.00001	$ 0.00

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FEB 28 2005

ATTACHMENT TEXT	DECREASE FUNDS	
NUMBER : 3739858 VENDOR NUMBER: 136475810-00	VENDOR: WEEKS MARINE INC	PAGE 4

CHANGE ORDER NO. 4 - DECREASE FOR $63,681.45
FOR ITEM 1 MOBILIZATION AND ITEM 6 TURBIDITY NOT NEEDED TO COMPLETE
THE CONTRACT.

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cet

Field Order No. 1

FIELD ORDER NO. 1

PROJECT:
Timbalier Island Dune/Marsh Restoration Project

DATE OF ISSUANCE:

OWNER:
Louisiana Department of Natural Resources
1440 Tiger Drive STE B
Thibodaux, LA 70301

OWNER'S PROJECT NO.
TE-40

CONTRACTOR:
Weeks Marine, Inc.
Post Office Box 4339
Houma, Louisiana 70361

ENGINEER:
Shaw Coastal, Inc.
197 Elysian Drive
Houma, Louisiana 70364

CONTRACT FOR:
Timbalier Island Dune/Marsh Restoration Project

ENGINEER'S PROJECT NO.
2272

You are directed to make the following changes in the Contract Documents.

Description:

This field order provides for a revised sequence of construction to accommodate erosion in the project area, subject to certain stipulations (see Attachment 1). Information is provided regarding a revised survey baseline and new control points (see Attachment 2). The field order also provides modified cross-section drawings showing the existing ground profile based on the latest pre-construction survey along with the construction template updated to reflect the revised construction sequence (see Attachment 3).

This field order also provides clarification of payment for dredging operations (see Attachment 1, stipulation 9). As dredging operations proceed, the quantity dredged each month shall be separated for payment into the two Bid Items 2 and 9 in proportion to the estimated bid quantities for each item. Therefore, in each month's application for payment, the quantity for Bid Item 2 "Hydraulic Dredging" shall equal the product of the total monthly amount dredged and the ratio: (3,100,000 / 3,600,000). The quantity for Bid Item 9 "Beach Fill" shall equal the product of the total monthly amount dredged and the ratio: (500,000 / 3,600,000).

Attachments:

1. Letter dated May 24, 2004 from David Burkholder (Coastal Engineering Division, LA Department of Natural Resources) to J. Stephen Chatry (Weeks Marine, Inc.).

2. Survey Plan Views, 4 total, dated 6/16/04 by Shaw Coastal, Inc.

3. Cross Section Drawings, Sheets 1-6 of 6, dated 6/23/04 by Coastal Engineering Division, LA Department of Natural Resources.

This Field Order does not constitute a change in Contract Time and/or Contract Cost.

STATE OF LOUISIANA
JEFFERY M. PENA
REG. No. 28368
REGISTERED
PROFESSIONAL ENGINEER
CIVIL ENGINEER

RECOMMENDED:
By: _____
Date: 8/12/04

APPROVED:
By: _____ LDNR
Date: 8/23/2004

ACCEPTED:
By: _____ Contractor
Date: 8/12/04

State of Louisiana

KATHLEEN BABINEAUX BLANCO
GOVERNOR

SCOTT A. ANGELLE
SECRETARY

DEPARTMENT OF NATURAL RESOURCES
OFFICE OF COASTAL RESTORATION AND MANAGEMENT

May 24, 2004

Mr. J. Stephen Chatry
Vice President
Weeks Marine, Inc.
304 Gaulle Drive
Covington, LA 70433

Re: Timbalier Island Dune/Marsh Restoration
File # K25547DL, Requisition # 1257741

Dear Mr. Chatry:

On May 19, 2004 representatives of the Louisiana Department of Natural Resources (LDNR) and Weeks Marine, Inc. (WMI) met in Baton Rouge to review the preliminary results of recent surveys that are in progress for the referenced project. The project's federal sponsor, the Environmental Protection Agency (EPA), participated via conference call. These surveys are being done in response to reports by your firm that some points on the project's survey baseline were no longer available due to erosion in the project area. Due to this situation, LDNR has not sent the executed contracts for this project to the Office of State Purchasing for issuance of a Notice to Proceed.

During this meeting, WMI proposed a revised sequence of construction to accommodate the erosion that has occurred in the project area. The LDNR engineering staff has reviewed your suggestions and is agreeable to them provided some additional stipulations are met. Your proposal and LDNR's stipulations are summarized as follows:

1. WMI shall construct the bay side dikes prior to initiating pumping operations.
2. WMI shall begin pumping operations on the eastern end of the project footprint proceeding to the west.
3. WMI shall construct a training dike at the northern alignment of the 100 ft wide 4 ft high dune platform.
4. WMI shall pump the unconfined material initially to establish a platform on which the gulf side containment dikes can be constructed.
5. WMI shall construct training dikes while pumping to ensure material is being retained within the project footprint.

COASTAL ENGINEERING DIVISION
P. O. BOX 44027 • BATON ROUGE, LA 70804-4027 • 617 N. THIRD STREET • 10TH FLOOR • BATON ROUGE, LA 70802
PHONE (225) 342-7308 • FAX (225) 342-9417 • WEB http://www.dnr.state.la.us
AN EQUAL OPPORTUNITY EMPLOYER

6. WMI shall survey the borrow area and island on a daily basis and forward this information to LDNR no later than 7:00 AM the following morning.
7. LDNR shall analyze the survey data to determine the cut-to-fill ratio. If after completion of the first [redacted] pumping (at least five stations) the cut-to-fill ratio is determined by LDNR to be unsatisfactory, WMI shall relocate the pumping operations far enough to the west that gulf side containment dikes can be constructed as shown in the plans and specs. The cut-to-fill ratio may be deemed unsatisfactory by LDNR if when extrapolated to the remainder of the project it would result in exceeding the contract price.
8. Field changes altering the alignment maybe required to improve constructability. They may also be made in lieu of the relocation discussed in Item No. 7. No alignment changes will be made without the advance approval of LDNR.
9. Measurement for payment of dredged material will be divided between the confined and unconfined pay items based on the percentages of the estimated quantities in the bid.

If this summary of your proposed revised sequence of construction and the additional stipulations by LDNR are acceptable to you, please acknowledge your concurrence by signing in the space provided below and returning to the undersigned. It should be noted that the contract price and time have not been altered by any of the items outlined in the letter. Please do not hesitate to call if you have any questions.

Sincerely,

David M. Burkholder, P.E.
Engineer Manager

cc: Patricia Taylor, Project Manager, EPA
Christopher P. Knotts, Director
Chris Williams, Project Manager
Daniel Dearmond, Construction Project Manager
Chet Fruge, Program Manager
Project File, TE-40

CONCURRENCE BY WEEKS MARINE, INC.

J. Stephen Chatry 5/24/04
Name Date

Vice President
Title

TIMBALIER ISLAND
DUNE/MARSH RESTORATION
PROJECT - TE - 40 - SURVEY
PLAN VIEW
Shaw Coastal, Inc.
GULF OF MEXICO
SCALE: 1" = 600'

THRASHER ISLAND
DUNE/MARSH RESTORATION
PROJECT - TE - 40 - SURVEY
PLAN VIEW
Shaw Coastal, Inc.
GULF OF MEXICO
TIMBALIER ISLAND
BASELINE
ORIGINAL BASELINE
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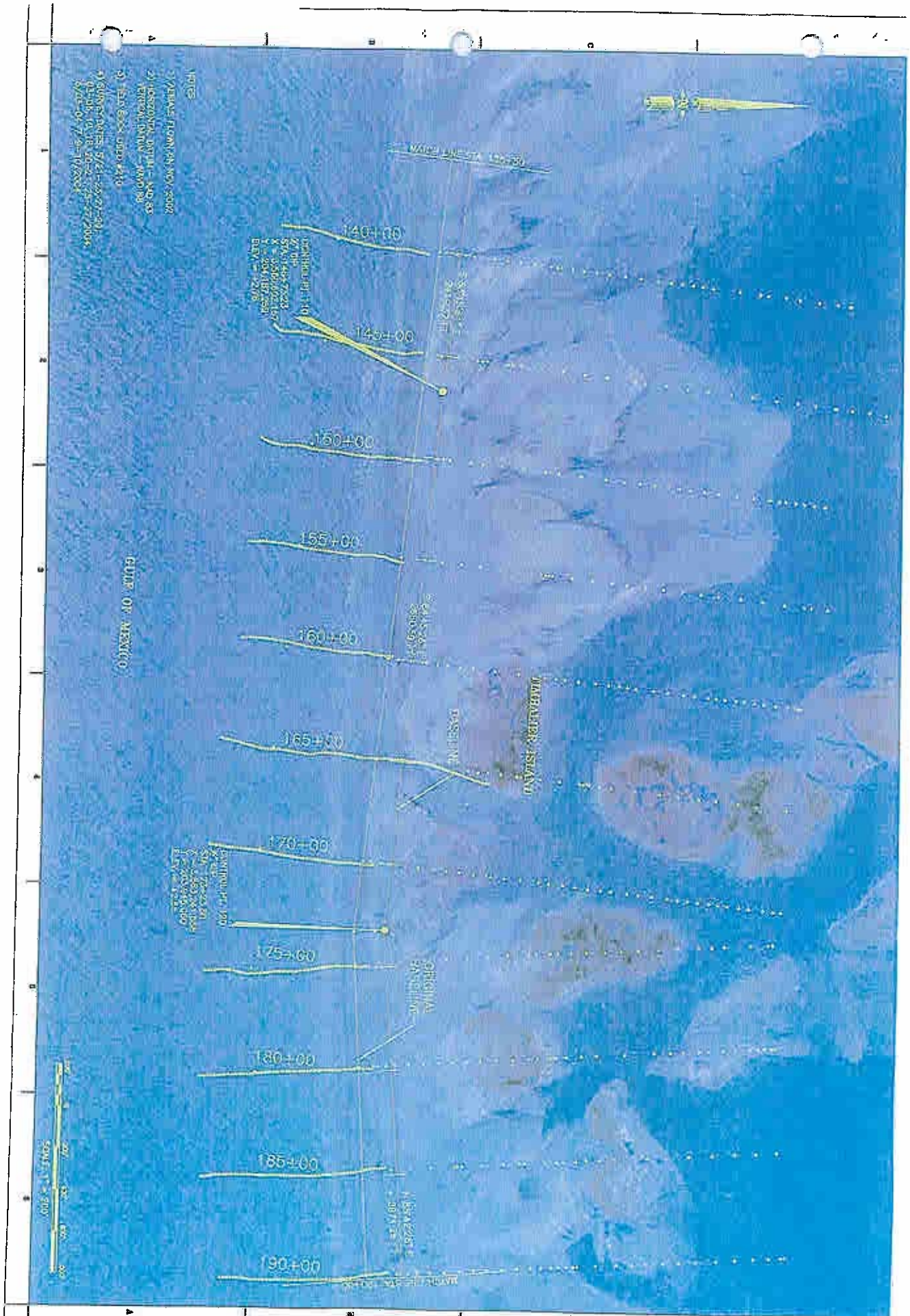

TRESPALIER ISLAND
DUNE/MARSH RESTORATION
PROJECT - TE - 40 - SURVEY
PLAN VIEW

Shaw Shaw Coastal, Inc.

GULF OF MEXICO
DAUPHIN ISLAND
ORIGINAL BASELINE
NEW BASELINE
EASTLINE
CONTROL PT. 140
CONTROL PT. 150
2004-00
2006-00
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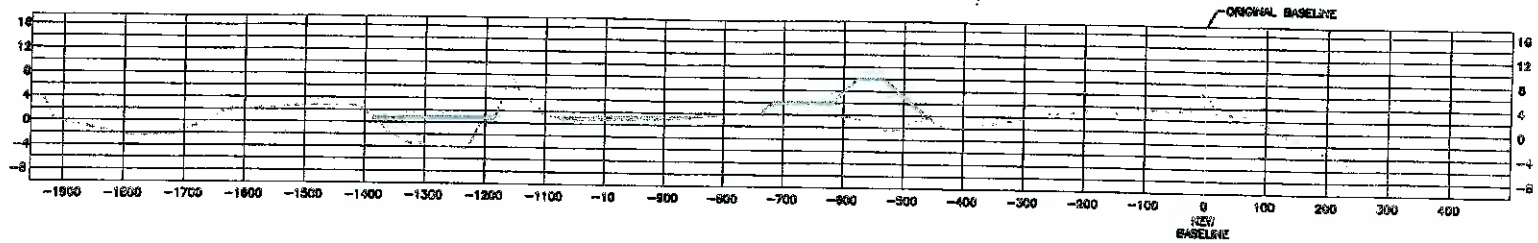
TIMBALIER BAY

100



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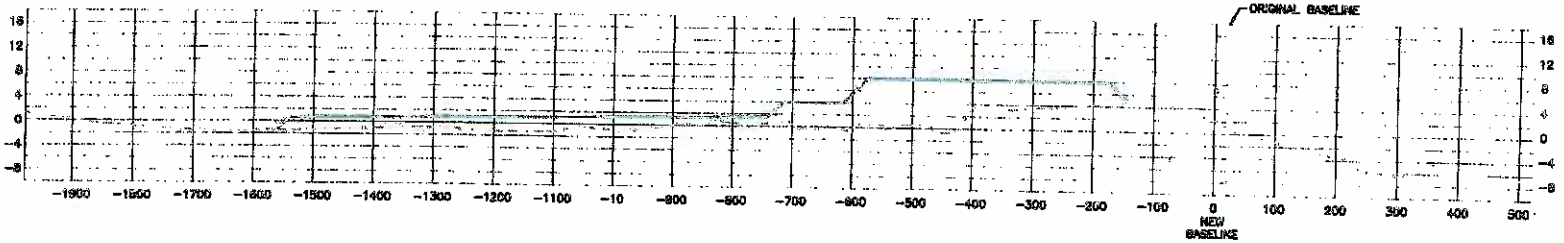

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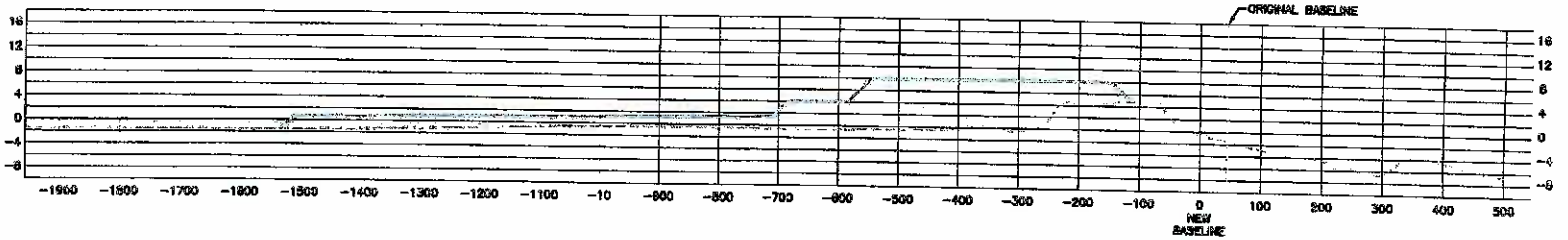

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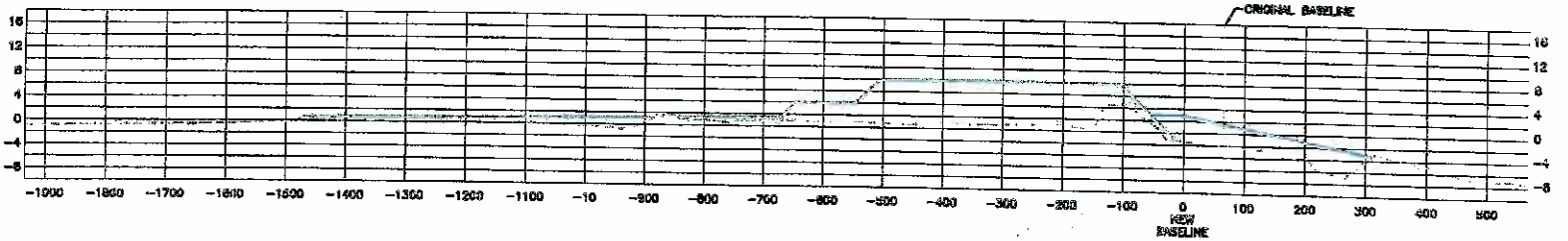


GULF OF MEXICO

LEGEND

GROUND PROFILE

TEMPLATE

NOTE:
THE GULF SIDE BEACH FILL TEMPLATE AS DEPICTED ON SHEET 6 OF 23 OF THE CONSTRUCTION PLANS HAS BEEN REVISED AS FOLLOWS. THE BERM WIDTH HAS BEEN REDUCED FROM 350' TO ±50'. THE BEACH SLOPE HAS BEEN FLATTEN FROM 30x1 TO 50:1.

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: KRISTI CANTU
DESIGNED BY: BEAU TATE, P.E.

TIMBALIER ISLAND DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-39

FEDERAL PROJECT NUMBER:

APPROVED BY: LUKE LEBAS, P.E

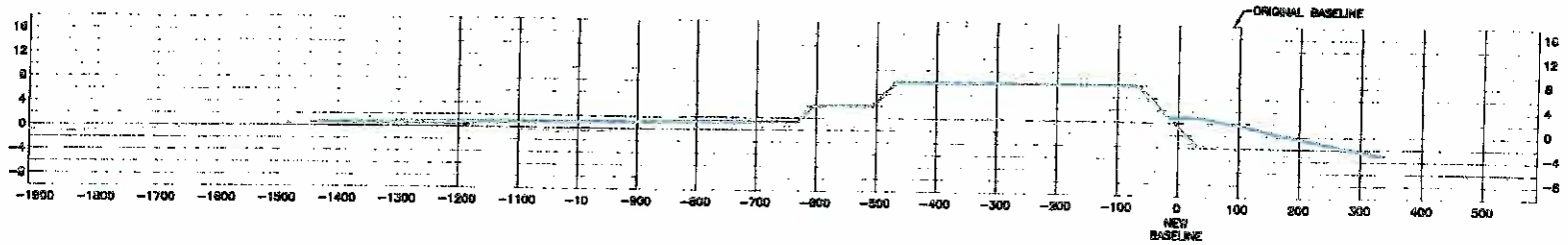
CROSS SECTIONS

DATE: 6/23/04

SHEET 1 OF 6

TIMBALIER BAY

120



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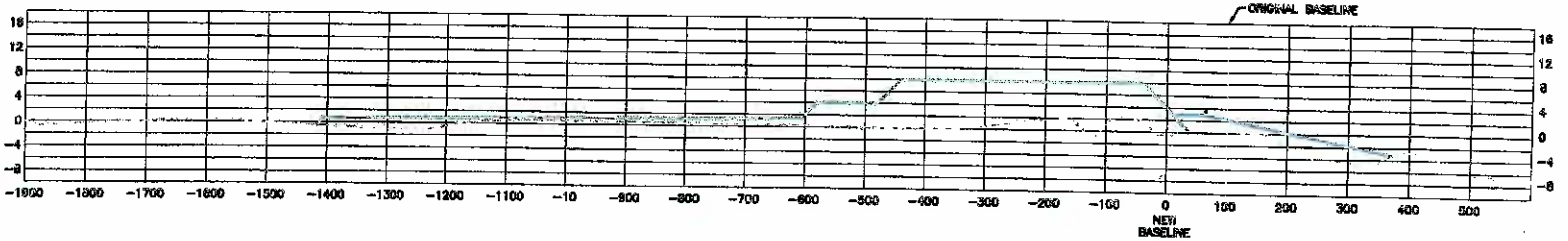

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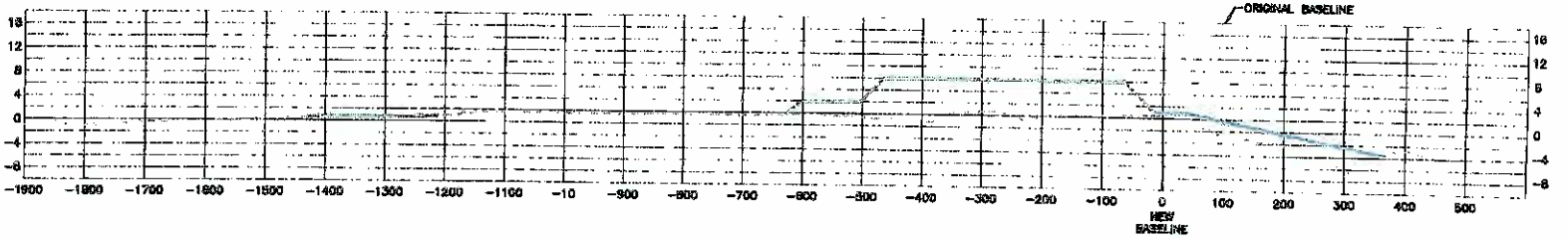

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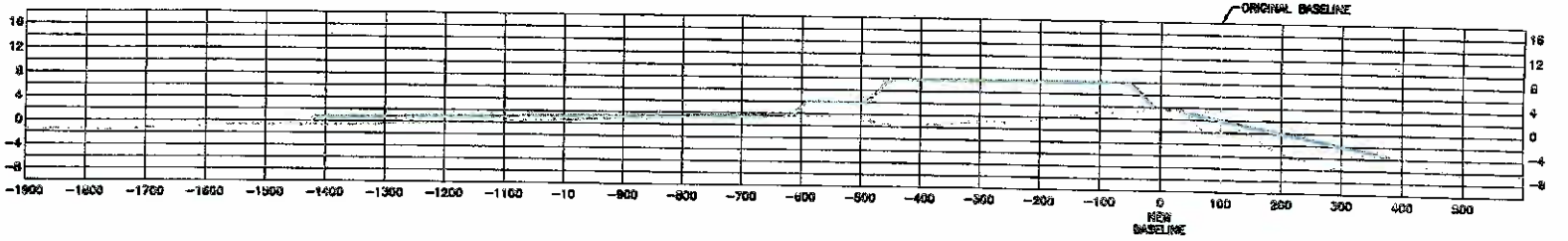


GULF OF MEXICO

LEGEND

GROUND PROFILE

TEMPLATE

NOTE:
THE GULF SIDE BEACH FILL TEMPLATE AS DEPICTED ON SHEET 6 OF 23 OF THE CONSTRUCTION PLANS HAS BEEN REVISED AS FOLLOWS. THE BERM WIDTH HAS BEEN REDUCED FROM 300' TO ±50'. THE BEACH SLOPE HAS BEEN FLATTEN FROM 30:1 TO 50:1.

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: KRISTI CANTU | DESIGNED BY: BEAU TATE, P.E.

TIMBALIER ISLAND DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-40

FEDERAL PROJECT NUMBER:

APPROVED BY: LUCK LEBAS, P.E

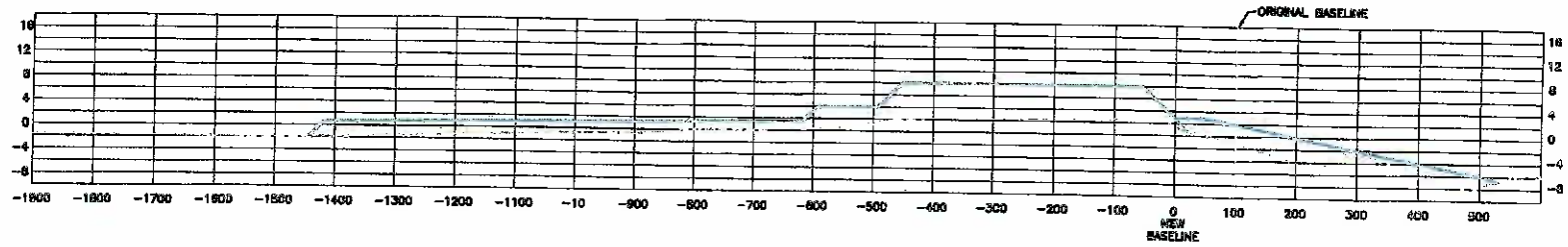
CROSS SECTIONS

DATE: 6/23/04

SHEET 2 OF 6

TIMBALIER BAY

140



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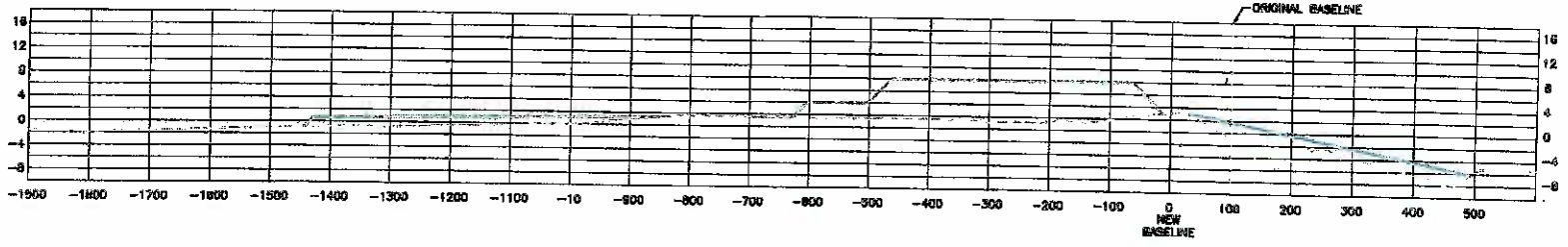

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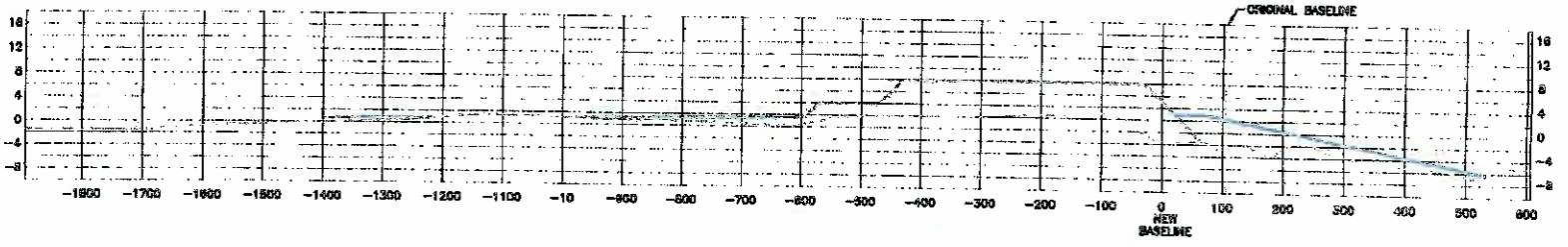

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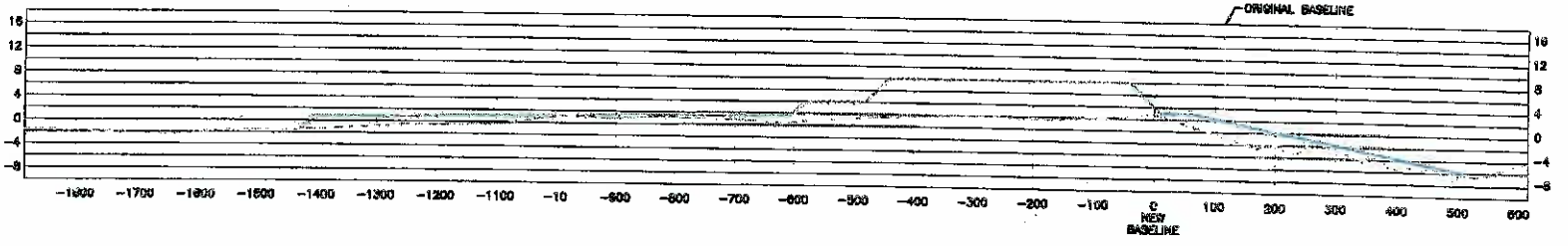


GULF OF MEXICO

LEGEND

GROUND PROFILE

TEMPLATE

NOTE:
THE GULF SIDE BEACH FILL TEMPLATE AS DEPICTED ON SHEET 6 OF 23 OF THE CONSTRUCTION PLANS HAS BEEN REVISED AS FOLLOWS. THE BERM WIDTH HAS BEEN REDUCED FROM 300' TO ±50'. THE BEACH SLOPE HAS BEEN FLATTEN FROM 30:1 TO 50:1.

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: KRISTI CANTU
DESIGNED BY: BEAU TATE, P.E.
APPROVED BY: LUKE LEBAS, P.E

TIMBALIER ISLAND DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-49

FEDERAL PROJECT NUMBER:

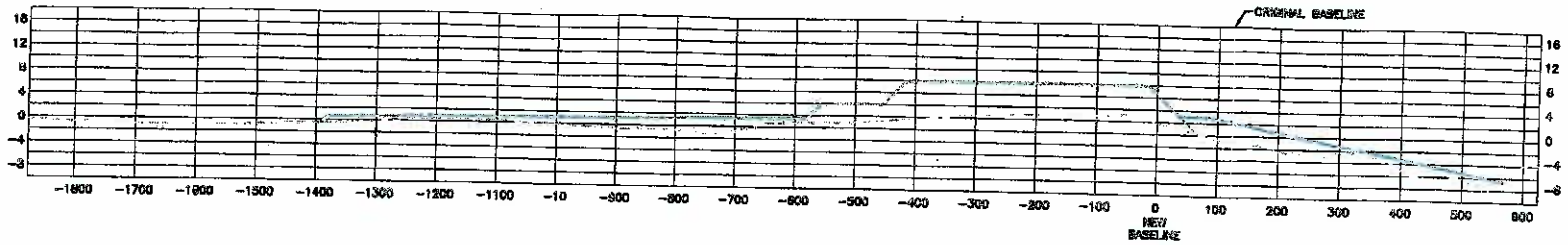
CROSS SECTIONS

DATE: 6/23/04

SHEET 3 OF 6

TIMBALIER BAY

160



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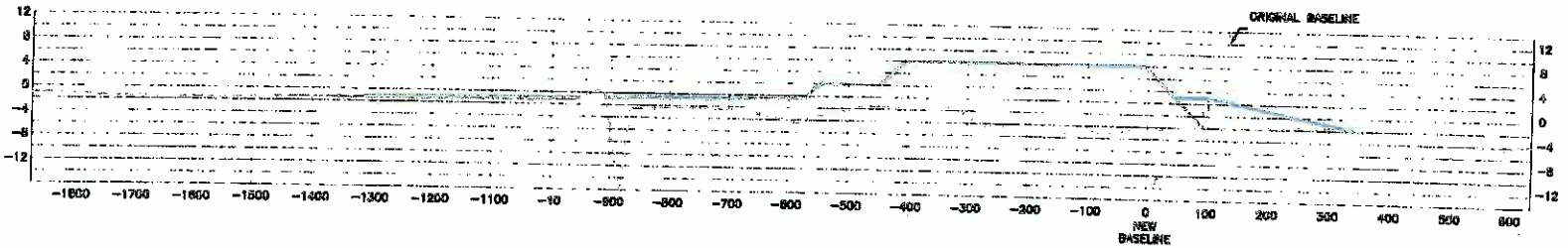

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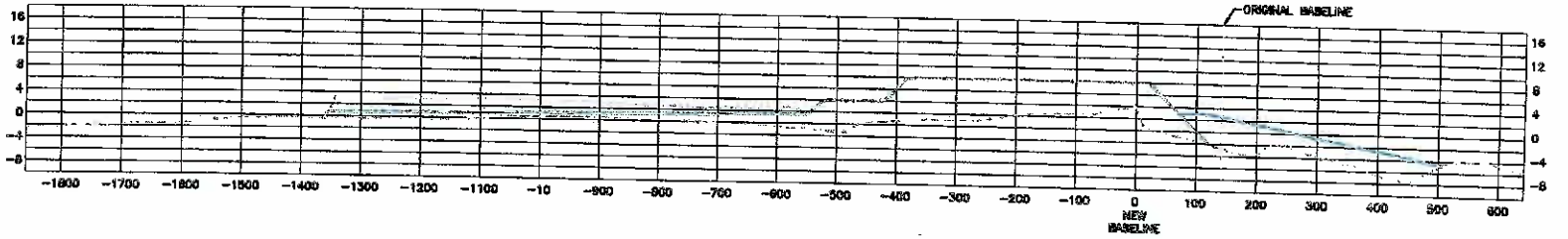

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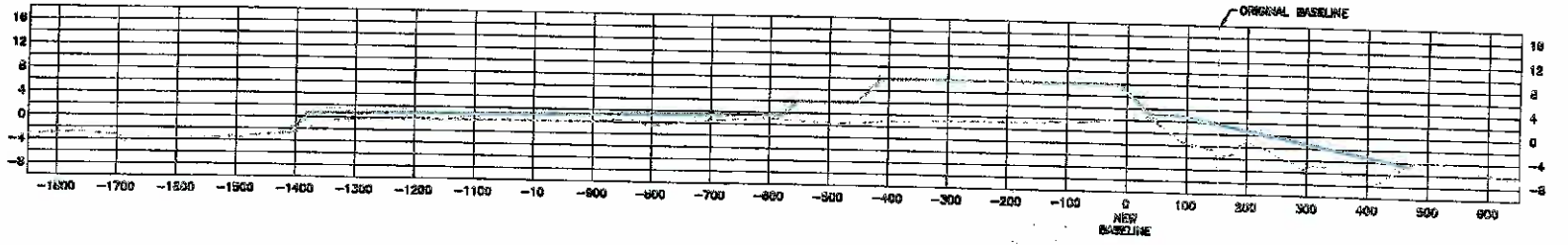


GULF OF MEXICO

LEGEND

GROUND PROFILE

TEMPLATE

NOTE:
THE GULF SIDE BEACH FILL TEMPLATE AS DEPICTED ON SHEET 6 OF 23 OF THE CONSTRUCTION PLANS HAS BEEN REVISED AS FOLLOWS. THE BERM WIDTH HAS BEEN REDUCED FROM 300' TO ±50'. THE BEACH SLOPE HAS BEEN FLATTEN FROM 30:1 TO 50:1.

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: KRISTI CANTU
DESIGNED BY: BEAU TATE, P.E.

TIMBALIER ISLAND DUNE/MARSH RESTORATION PROJECT

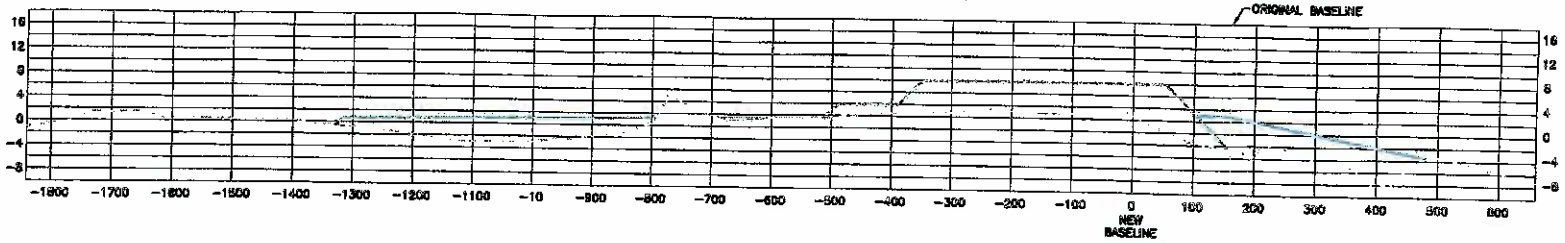
STATE PROJECT NUMBER: TE-49
FEDERAL PROJECT NUMBER:
APPROVED BY: LUKE LEBAS, P.E

CROSS SECTIONS

DATE: 6/23/01
SHEET 4 OF 6

TIMBALIER BAY

180



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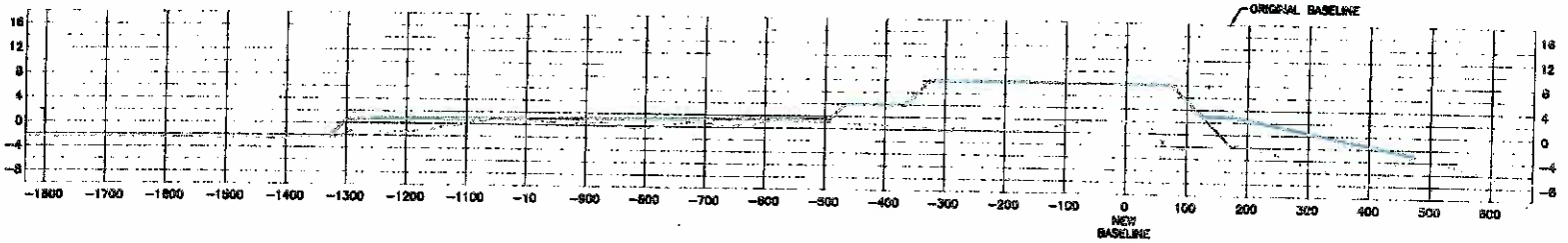

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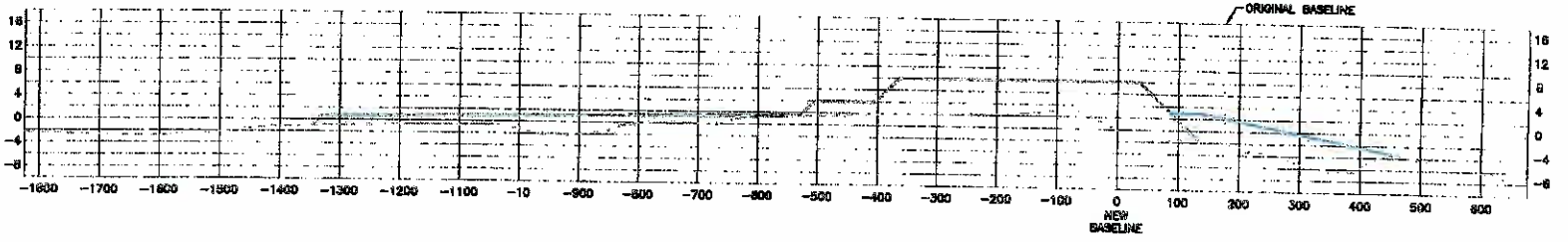

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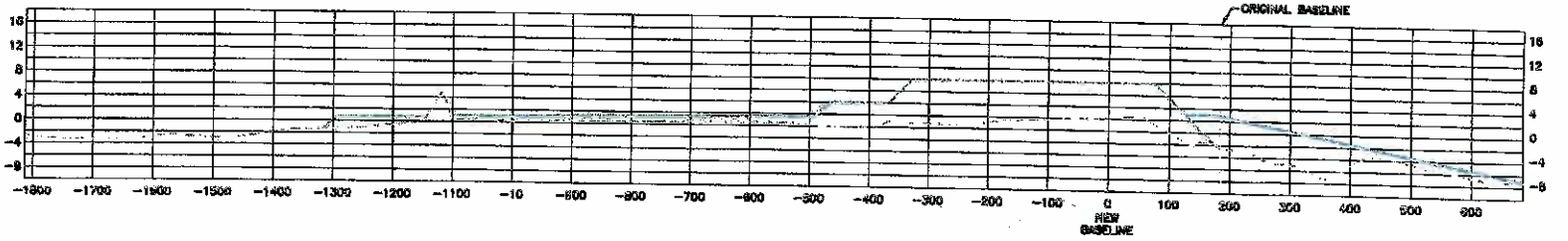


GULF OF MEXICO

LEGEND

GROUND PROFILE

TEMPLATE

NOTE:
THE GULF SIDE BEACH FILL TEMPLATE AS DEPICTED ON SHEET 8 OF 23 OF THE CONSTRUCTION PLANS HAS BEEN REVISED AS FOLLOWS. THE BERM WIDTH HAS BEEN REDUCED FROM 300' TO ±30'. THE BEACH SLOPE HAS BEEN FLATTEN FROM 30:1 TO 50:1.

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: KRISTI CANTU
DESIGNED BY: BEAU TATE, P.E.

TIMBALIER ISLAND DUNE/MARSH RESTORATION PROJECT

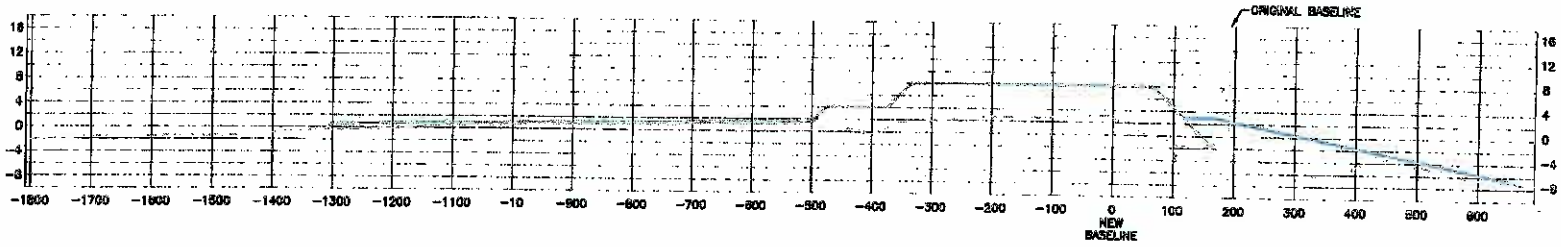
STATE PROJECT NUMBER: TE-40
FEDERAL PROJECT NUMBER:
APPROVED BY: LUKE LEBAS, P.E

CROSS SECTIONS

DATE: 6/23/04
SHEET 5 OF 6

TIMBALIER BAY

200



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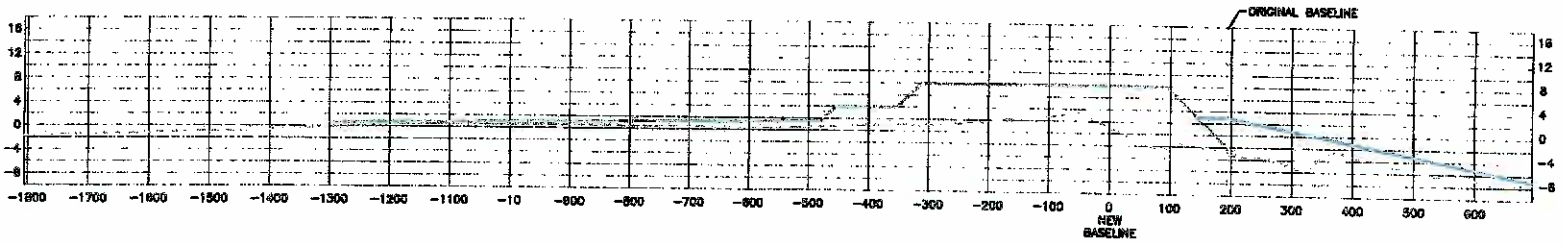

GULF OF MEXICO

LEGEND

GROUND PROFILE

TEMPLATE

NOTE:
THE GULF SIDE BEACH FILL TEMPLATE AS DEPICTED ON SHEET 9 OF 23 OF THE CONSTRUCTION PLANS HAS BEEN REVISED AS FOLLOWS. THE BERM WIDTH HAS BEEN REDUCED FROM 300' TO ±90'. THE BEACH SLOPE HAS BEEN FLATTEN FROM 30:1 TO 50:1.

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: KRISTI CANTU
DESIGNED BY: BEAU TATE, P.E.

TIMBALIER ISLAND DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-49

FEDERAL PROJECT NUMBER:

APPROVED BY: LUKE LEBAS, P.E

CROSS SECTIONS

DATE: 5/23/04

SHEET 6 OF 6

Appendix C

Pre-Construction Conference

SHAW COASTAL, INC.

197 ELYSIAN DRIVE, HOUMA, LOUISIANA 70363
PHONE (985) 868-3434 - FAX (985) 868-8513

MEETING REPORT

Job No.: 2272 **Date:** April 15, 2004

Job Title: Timbalier Island Dune/Marsh Restoration Project TE-40 **Time:** 10:00 a.m.

Meeting Location: [X] SCI [ ]

Meeting Purpose: Pre-Construction Conference

Participants: See attached Attendance Sheet

Summary:

The meeting began with the introduction of the attendees from LDNR, EPA, SCI, Weeks Marine, Inc, and T. Baker Smith and Son, Inc.

The Project Scope was briefly reviewed.

The contact personnel for the Owner, Engineer and Contractor were discussed. (See attached Pre-Construction Conference Report.)

The Contractor will submit their contact personnel information, subcontractor list, Quality Control contacts, and Environmental Protection Plan at a later date. A revised progress schedule will be issued by the Contractor after Notice to Proceed is received.

Shop drawings will also be submitted by the Contractor to the Engineer after Notice to Proceed is received. Seven sets of original shop drawings will be submitted (two for the Engineer; two for LDNR; one for the EPA; and two for the Contractor).

The Contractor is responsible for providing as-built drawings for the project.

Monthly payment request will be submitted by the Contractor to the Engineer by the last day of the month. The Engineer has ten (10) working days to review and approve the payment request. The payment request will then be forwarded to Owner. The Contractor will forward an example invoice to SCI.

The Schedule of Deliverables was reviewed and discussed with the following comments:

• Critical Path Construction Schedule	Contractor already submitted.
• Dredging Plan	Will be issued.
• Permits	Will be issued.
• Specification and Data for Dredge	Contractor already submitted with Bid; SCI requested a copy.
• Shop Drawings	Previously discussed in meeting (see above).
• Notification of State Officials and Others	Contractor requested pipeline company information.
• Safety Program	Contractor already submitted.

Written by: Jeffery M. Peña, P.E. **Date:** May 13, 2004

K:\2272\Pre-Construction Conference\Meeting Report 041604.doc

SHAW COASTAL, INC.
197 ELYSIAN DRIVE, HOUMA, LOUISIANA 70363
PHONE (985) 868-3434 - FAX (985) 868-8513

The Contractor advised that a magnetometer survey will be performed.

Transportation for the Project Representative will be provided at the site and to and from the island by the Contractor.

Access to site is through Canal Nos. 18 and 19 only.

All oyster leases behind Timbalier Island have expired (no longer in existence).

The Contractor will notify the Engineer when payment surveys are scheduled to be performed in order to ensure that a Project Representative is present.

The Contractor is to notify the Engineer if the Contractor Representative in charge changes at any time during the project.

The Chain of Communication for the project: Subcontractor to Contractor; Contractor to Engineer (Project Representative); Engineer to Owner; and vice versa.

The Project Control – Baseline is no longer located on Timbalier Island due to erosion. The first two are the only control points that are still on the island. The closest control point is located 25-30 feet from the edge of the water at control point 125. The furthest is located at 300-400 feet from the edge of the water at control point 165.

The Engineer and the Owner will review the cross-sections and determine the best possible methods for either re-establishing the baseline or using the current baseline. The current alignment and baseline may or may not be changed. Another meeting will be held after review of the cross-sections for discussion of the method that will be used. All efforts will be made to expedite the construction of the project.

The oil wells in the marsh platform are owned by Texaco, Inc. The Contractor should make every attempt not to cover the wells with material.

Per the project specifications, no more than six (6) inches (measure from the existing elevation of the marsh vegetation) of sand can be placed on top of the vegetated areas. Equipment is allowed on the vegetated areas only during construction of dikes in the immediate area of the dike. The equipment used must cause the least amount of disturbance to the vegetation.

The Contractor can pump sand into sectioned project areas as long as each section is contained by dikes.

The Contractor stated that the access channel will be dug now and the boat dock will be construction later during the project.

Spill box shop drawings must be submitted to the Engineer prior to their placement.

The iron container that washed onshore will not be removed. The sand is to be placed on top of it.

The Contractor is to provide office space and boat equipment that accommodates the project site conditions. The Contractor will coordinate these with the Engineer.

The fuel for the boat and the 4-wheeler will be provided by the Contractor.

Shaping and dressing must be maintained during project construction. Shaping and dressing can be accepted during construction but will be rechecked prior to substantial completion.

Written by: Jeffery M. Peña, P.E. **Date:** May 13, 2004

Meeting Sponsored by:	Date and Location:
Shaw® Shaw Coastal, Inc.	**Thursday, April 15, 2004 at 10:00 a.m.** **197 Elysian Drive** **Houma, Louisiana 70363**
Meeting Purpose:	**Pre-Construction Conference** **Louisiana Department of Natural Resources** **Timbalier Island Dune/Marsh Restoration Project TE-40** SCI Project No. 2272
Project Sponsor:	

ATTENDANCE REGISTER *

	NAME	√	ADDRESS & AFFILIATION	TELEPHONE NUMBER
1	Jeffery Pena		SCI	985 868-3434
2	CHARLES GRANGER		WEEKS MARINE	985 875-2500
3	DARRYL CURRY		WEEKS MARINE INC	985-991-9046
4	Keith Stokes		WEEKS MARINE INC	985-237-5004
5	CHARLES GRANGER SR		" " "	985 875-2500
6	CHARLES GRANGER JR		" " "	985 875-2500
7	PATTY TAYLOR		EPA 6	214 1665-1403
8	J. M. Fail		Weeks Marine	985 237-5017
9	CHARLES R BALENTINE		WEEKS MARINE	985-875-2525
10	GARY W. JOHNSON		WEEKS MARINE	985-237-5026
11	DAVID BOUDREAUX		T. BAKER SMITH & SON, INC.	985-868-1050
12	Luke Le Bas		DNR/CED	225 342-4102
13	Agaha Brass		DNR/CRD	225-342-9425
14	Brian Tot		DNR/CED	225-342-6736
15	Brian Babin		DNR/CED	985-447-0456
16	Chris Williams		DNR (CEI)	225 342 7549
17	Daniel Dearmond		DNR THIB. FIELD OFFICE	985-449-5103
18	Lyman Sonny Miller		SCI	985-868-3434
19				
20				

If you wish to be furnished a copy of the attendance record, please indicate so by checking the box next to your name.

Louisiana Department of Natural Resources
Timbalier Island Dune/Marsh Restoration Project - TE-40
SCI Project No. 2272

PRE-CONSTRUCTION CONFERENCE

AGENDA

Date: Thursday, April 15, 2004

Time: 10:00 a.m.

Location: Shaw Coastal, Inc. (SCI)
197 Elysian Drive
Houma, Louisiana 70363

I. Introductions
   1) LDNR (State Sponsor and Owner)
   2) EPA (Federal Sponsor)
   3) SCI (Project Representation)
   4) Weeks Marine (Contractor)

II. Pre-Construction Conference Report
   See Attachment

III. Construction Issues
   1) Schedule of Deliverables (Attached)
   2) Transportation for Project Representative
   3) Maintenance of Traffic
   4) Project Control - Baseline
   5) Pipelines
   6) Access to Site
   7) Oyster Leases
   8) Surveys
   9) Contractor Representative
   10) Chain of Communication
      Subcontractor to Contractor
      Contractor to Engineer (Project Representative)
      Engineer to Owner
      and vice versa

IV. Contractor's Questions - Open floor to Contractor's questions/concerns.

V. **CLOSE MEETING**

PRE-CONSTRUCTION CONFERENCE REPORT

DATE: April 15, 2004
TIME: 10:00 a.m.

PROJECT NAME: Timbalier Island Dune/Marsh Restoration Project

LDNR PROJECT NO. TE-40

SCI PROJECT NO. 2272

1. **INTRODUCTION**

   A. Attendees (Introduction)

   B. Brief discussion of "Scope of Project"

   C. Contact Personnel for the project:

2. **OWNER** Louisiana Department of Natural Resources

	NAME	PHONE #	EMERGENCY #
PROJECT MANAGER	Daniel Dearmond	985-449-5103	985-446-5722
FIELD REP.	N/A	N/A	N/A

3. **ENGINEER** Shaw Coastal, Inc.

	NAME	PHONE #	EMERGENCY #
PROJECT MANAGER	Jeffery M. Pena, P.E.	985-868-3434	985-856-1587
PROJECT ENGINEER	Jeffery M. Pena, P.E.	985-868-3434	985-856-1587
PROJECT REP.	Byron "Sonny" Eells	985-868-3434	985-856-1599 985-406-2404
PROJECT REP.	Jeremy George	985-868-3434	985-856-1590 985-406-2393

4. **CONTRACTOR** Weeks Marine, Inc.

	NAME	PHONE #	EMERGENCY #
OPERATIONS MANAGER	Charles W. Grainger	985-875-2500	985-237-5057
PROJECT MANAGER	Gary W. Johnson	985-875-2500	985-237-5026
BACK-UP PROJECT MGR	Joseph M. Mazzarella	985-875-2500	985-373-8351
PROJECT SUPERINT.	Paul F. Steward	985-875-2500	985-373-8352
BACK-UP PROJECT SUP	Thomas D. Windes	985-875-2500	985-237-5053
DREDGE CAPTAIN	Frank Gill	985-237-5014	985-237-5022
PROJECT ENGINEER & CQC SYST MANAGER	Gary D. Cowick	985-237-5014	985-237-5005
PROJECT ENGINEER & ALT CQC SYST MGR	Matthew J. Babineaux	985-237-5014	985-264-1479

5. **CONSTRUCTION AGREEMENT**

A. Executed and Recorded	Yes	X No
B. Copies Distributed	Yes	X No
C. Payment and Performance Bonds	Yes	X No

6. **INSURANCE**

A. Contractural Liability - Certificate Received	Yes	X No
B. Builder's Risk - Certificate Received	Yes	X No
C. Owner's/Engineer's Protective Liability - Certificate Received	Yes	X No

Remarks:

7. **SUBCONTRACTORS**

A. Subcontractors List Received ____ Yes X No
B. List Approved ____ Yes X No
C. Contracts Received ____ Yes X No

Remarks: Will be forwarded by Weeks Marine.

8. **PAYROLLS AND LABOR STANDARDS**

A. Certifications Reviewed N/A Yes N/A No
B. Wage Rates and Rosters Distributed N/A Yes N/A No
C. Payrolls to be submitted to: _____
Name
D. Will job interviews be required N/A Yes N/A No

Remarks: _____

9. **PROGRESS SCHEDULES**

A. Time of complete project. 210 Calendar Days
B. Amount of liquidated damages. 1,500 per day
C. Bar Chart received. X Yes ____ No
D. Does Contractor expect any unavoidable delays in completing the project on time? X Yes ____ No
If yes, explain: Possible alignment changes.

Remarks: Progress Schedule will be resubmitted by Weeks Marine.

10. **SHOP DRAWINGS (Articles 2.6 and 6.28-6.34)**

A. Schedule of submittal received ____ Yes X No
If not, date due: _____

B. Distribution of copies: Contractor will submit seven copies for review. Approved submittals will be distributed as follows:

Owner 2 (# of Copies)
EPA 1 (# of Copies)
Engineer 2 (# of Copies)
Contractor 2 (# of Copies)

C. Has Contractor been informed he must certify submittals before submission: Failure to comply will result in rejection of submittal.
X Yes ____ No

Remarks: _____

11. **QUALITY CONTROL**

A. System Manager — Name: Gary Cowick
Phone #: 985-237-5014 / 955-237-5005

Alter. System Manager — Name: Matthew J. Babineaux
Phone #: 985-237-5014 / 985-264-1479

System Inspector — Name: Richard Addison
Phone #: 985-875-2500

System Inspector — Name: Chadrick Bragg
Phone #: 985-875-2500

System Inspector — Name: Arnold Tassin
Phone #: 985-875-2500

B. Authorized to Execute Change Orders and Modifications: Name: _____

C. Contractors informed will be responsible for record drawings. X Yes _____ No

D. Daily Quality Control Form and Report reviewed: _____ Yes _____ No
Remarks: Quality Control Plan will be submitted by Weeks Marine.

12. **ENVIRONMENTAL PROTECTION PLAN**
(Burning, Dust Control, Sanitary Facilities, etc.)

Received _____ Yes X No
If not, date due: _____
Remarks: Will be submitted by Weeks Marine.

13. **PROJECT SIGN**

A. Required _____ Yes X No
B. Location _____
Remarks: _____

14. **NOTICE TO PROCEED**

A. Issued at Meeting _____ Yes X No
B. Date _____
C. Construction Start Date _____
D. Construction Completion Date _____
Remarks: _____

15. **MONTHLY PAYMENT REQUESTS**

A. Has Schedule of Values been submitted? _____ Yes X No
If not, due date: _____
B. Has Schedule of Values been approved? _____ Yes X No
C. Pay request ending date will be: End of each month.
(Day of Month)

D. Time anticipated for review:
A. Engineer 10 working days (Article 14.4, 6C)
B. Owner

Louisiana Department of Natural Resources
Timbalier Island Dune/Marsh Restoration Project - TE-40
SCI Project No. 2272

SCHEDULE OF DELIVERABLES

• **Critical Path Construction Schedule** Special Provisions, Article 10.3	Seven (7) days prior to Pre-Construction Conference.
• **Dredging Plan** Special Provisions, Article 10.3	Seven (7) days prior to Pre-Construction Conference. Any revisions need to be submitted seven (7) days prior to Notice to Proceed.
• **Permits** Special Provisions, Article 11.1	Coastal Use and U.S. Army Corps of Engineers permits will be submitted to Contractor prior to Notice to Proceed.
• **Specification and Data for Dredge** Special Provisions, Article 19.2	To be submitted with Bid Documents.
• **Shop Drawings** General Conditions, Article 2.6	Within seven (7) days of contract execution, Contractor shall develop a preliminary schedule of shop drawing submissions.
• **Notification of State Officials & Others** Supplementary Conditions, Article 12.0	Sufficient notice of no less than one (1) week shall be given by Contractor to pipeline companies. These identifications and contacts shall be reported to the Engineer.
• **Safety Program** Supplementary Conditions, Article 25.0	Safety plan shall be submitted fourteen (14) calendar days after contract award.

FIELD ORDER NO. 1

PROJECT:
Timbalier Island Dune/Marsh Restoration Project

DATE OF ISSUANCE:

OWNER:
Louisiana Department of Natural Resources
1440 Tiger Drive STE B
Thibodaux, LA 70301

OWNER'S PROJECT NO.
TE-40

CONTRACTOR:
Weeks Marine, Inc.
Post Office Box 4339
Houma, Louisiana 70361

ENGINEER:
Shaw Coastal, Inc.
197 Elysian Drive
Houma, Louisiana 70364

CONTRACT FOR:
Timbalier Island Dune/Marsh Restoration Project

ENGINEER'S PROJECT NO.
2272

You are directed to make the following changes in the Contract Documents.

Description:

Purpose of Field Order:

This Field Order does not constitute a change in Contract Time and/or Contract Cost.

RECOMMENDED:	**APPROVED:**	**APPROVED:**	**APPROVED:**
By: _____ SCI	**By:** _____ LDNR	**By:** _____ EPA	**By:** _____ Contractor
Date: _____	Date: _____	Date: _____	Date: _____

CHANGE ORDER NO. 1

PROJECT:
Timbalier Island Dune/Marsh Restoration Project

DATE OF ISSUANCE:

OWNER:
Louisiana Department of Natural Resources
1440 Tiger Drive STE B
Thibodaux, LA 70301

OWNER'S PROJECT NO.
TE-40

CONTRACTOR:
Weeks Marine, Inc.
Post Office Box 4339
Houma, Louisiana 70361

ENGINEER:
Shaw Coastal, Inc.
197 Elysian Drive
Houma, Louisiana 70364

CONTRACT FOR:
Timbalier Island Dune/Marsh Restoration Project

ENGINEER'S PROJECT NO.
2272

You are directed to make the following changes in the Contract Documents.

Description:

Purpose of Change Order:

CHANGE IN CONTRACT PRICE:

Original Contract Price
$ 0.00

Previous Change Orders No. 1 to No.2
$ 0.00

Contract Price Prior to this Change Order
$ 0.00

Net Increase of this Change Order
$ 0.00

Contract Price with all approved Change Orders
$ 0.00

CHANGE IN CONTRACT TIME:

Original Contract Time
0 Calender Days
days or date

Net Change from previous Change Orders
0 Days
days

Contract Time Prior to this Change Order
0 Calender Days
days or date

Net Increase of this Change Order
0 Days
date

Contract Time with all approved Change Orders
0 Calender Days
days or date

RECOMMENDED:	APPROVED:	APPROVED:	APPROVED:
By: _____ SCI	By: _____ LDNR	By: _____ EPA	By: _____ Contractor
Date: _____	Date: _____	Date: _____	Date: _____

APR.12.2004 2:50PM

Activity ID	Orig Dur	Rem Dur	Early Start	Early Finish
100	1	1	24MAR04*	24MAR04
105	1	1	14APR04	14APR04
170	15	15	15APR04	29APR04
106	210	210	16APR04	11NOV04
110	10	10	30APR04	09MAY04
155	115	115	10MAY04	01SEP04
130	10	10	30MAY04	08JUN04
135	100	100	09JUN04	16SEP04
140	100	100	09JUN04	16SEP04
150	100	100	19JUN04	28SEP04
160	100	100	29JUN04	08OCT04
180	10	10	29JUN04	08JUL04
145	15	15	17SEP04	01OCT04
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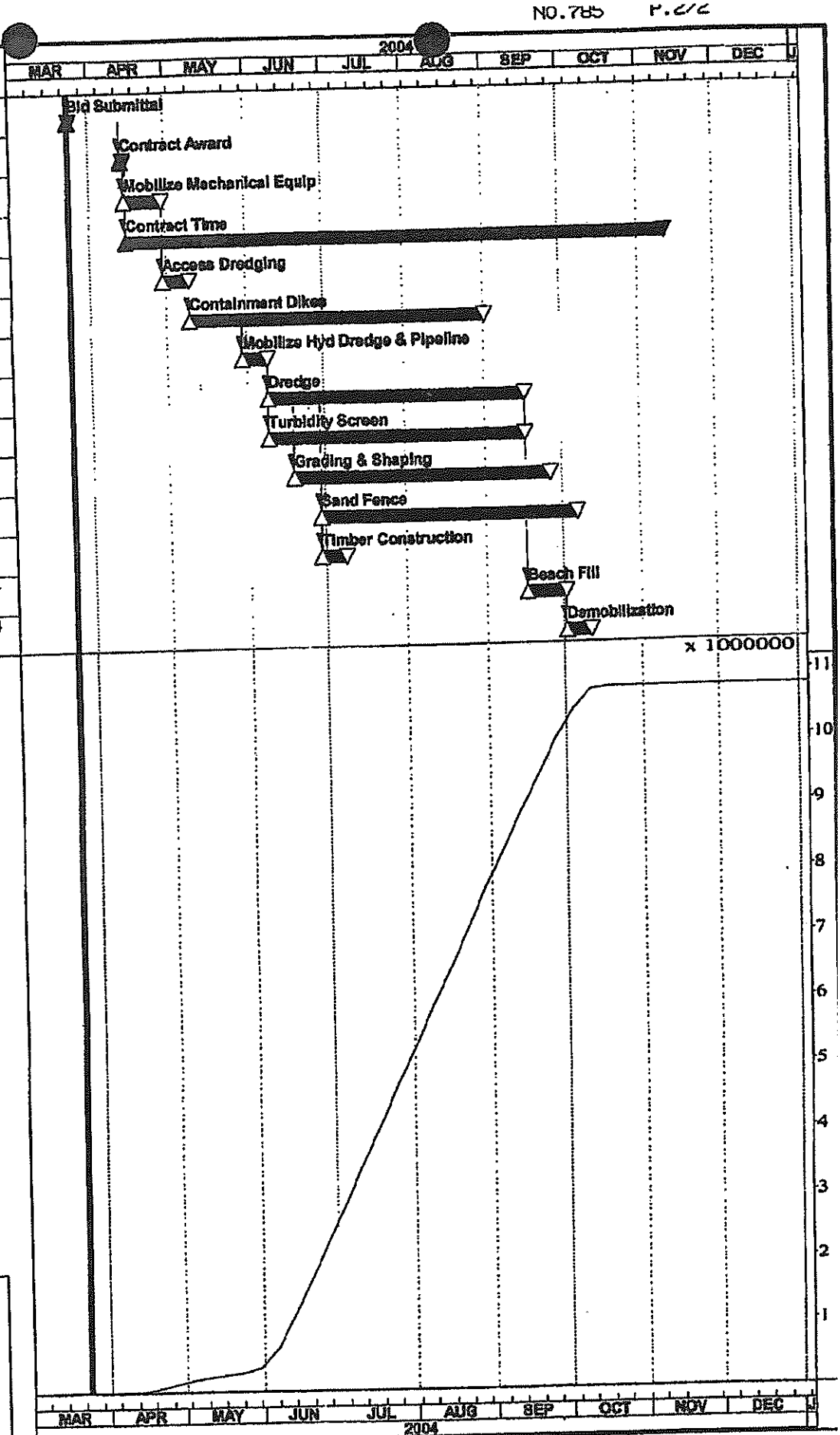

Resource/Cost Profile Legend

Total of All Resources

Total early usage per Week (Current Estimate)

Current estimate curve

Earned value curve

Planned value curve

Cumulative scale (right): X1000000

Start Date	01MAR04
Finish Date	11NOV04
Data Date	24MAR04
Run Date	06APR04 10:07

Early Bar

Progress Bar

Critical Activity

TIMD

Sheet 1 of 1

Weeks Marine Inc.

Timbalier Island

Date	Revision	Checked	Approved

FW: Allen WD - Chronology

REPORT OF DREDGING OPERATIONS

PROJECT: _____

WEEKLY ☐ MONTHLY ☐ QUARTERLY ☐

CHARACTER OF REPORT	☐ MAINTENANCE ☐ NEW WORK ☐ STATUS ☐ INITIAL ☐ FINAL	DATE PERIOD

DREDGE	NAME AND TYPE			SIZE in.dia.disch.	MAX. AVG. RATE cu. yds. per hr.	
	HORSEPOWER	DREDGE PUMP(S)		SUCTION PIPE JET	CUTTER AND LADDER	
	NUMBER OF CREW MBRS.	DREDGE	SHORE	OTHER	TOTAL	WORK SCHEDULE ____SHIFTS/DAY ____DAYS/WEEK
PROJECT & BAR	NAME			AUTH. DIMENSIONS WIDTH	DEPTH	OVERDEPTH
	LOCATION (INCLUDE STATION NUMBERS)					
CHARACTER OF MATERIAL	ABSOLUTE DENSITY	IN PLACE DENSITY		VOIDS RATIO		
	GRAIN SIZE D/20 MM D/50 MM D/80 MM			GEOLOGICAL CLASSIFICATION		
CONTRACT OR DREDGING ORDER	NUMBER	☐ CONTRACTOR ☐ HIRED LABOR		TOTAL NO. OF DAYS ON WHICH WORK WAS DONE MOBILIZATION	ON STATION	
BOTTOM CONDITION	AVERAGE DEPTH BEFORE DREDGING	AFTER DREDGING		MINIMUM SOUNDING BEFORE DREDGING	AFTER DREDGING	
TIDAL STAGE	MINIMUM	TIME	MAXIMUM	TIME	GAGE LOCATION	
WEATHER CONDITION	CLEAR ☐ P. CLOUDY ☐ CLOUDY ☐ HAZY ☐ FOG ☐ RAIN ☐ SNOW ☐		VISIBILITY	WIND (MAXIMUM VELOCITY AND DIRECTION)		

WORK PERFORMED

ITEM	UNIT	QUANTITY
AVERAGE WIDTH OF CUT	FEET	
TOTAL ADVANCE THIS PEROD	FEET	
TOTAL ADV. PREVIOUS TO THIS PERIOD	FEET	
TOTAL ADVANCE TO DATE	FEET	
SHORE PIPE	FEET	
FLOATING PIPE	FEET	
TOTAL LENGTH OF DISCHARGE PIPELINE		
AVERAGE LIFT	FEET	
AVERAGE PUMP SPEED	R.P.M.	
AVG. DREDGED/PUMP HR., GROSS	CU.YDS.	
SCOWS LOADED	NMBR	
AVERAGE LOAD PER SCOW	CU.YDS.	

LOST TIME

(NOT CHARGEABLE TO COST OF WORK)

	HOURS	MIN.
MAJOR REPAIRS AND ALTERATIONS CESSATION COLLISIONS MISCELLANEOUS (Explain in Remarks)		
TOTAL LOST TIME		
PERCENTAGE OF TOTAL TIME %		
TOTAL TIME IN PERIOD		

DISTRIBUTION OF TIME

EFFECTIVE WORKING TIME (Chargeable to Cost of Work)

PUMPING/DREDGING SEDIMENT _____HRS _____MIN

PCT. OF EFFECTIVE RENTAL TIME _____%

BOOSTER (IN LINE) _____HRS _____MIN

NON-EFFECTIVE WORKING TIME (Chargeable to Cost of Work)	HOURS	MINS.
HANDLING PIPELINES		
HANDLING ANCHOR LINES		
CLEARING PUMP & PIPELINES		
CLEARING CUTTER & SUCTION HEAD		
CHANGING LOCATION OF PLANT ON JOB		
TO AND FROM ANCHORAGE		
LOSS DUE TO NATUAL ELEMENTS		
SHORELINE AND SHORE WORK		
MINOR OPER. REPAIRS (Explain in Remarks)		
LAY OFF ☐ Sats ☐ Sundays Holidays		
FIRE DRILL		
MISC. & WAITING (eXPLAIN IN rEMARKS)		
TOTAL NON-EFFECTIVE WORKING TIME		
PCT OF NON-EFFECTIVE TIME %		
TOTAL EFFECTIVE & NON-EFFECTIVE TIME		

NUMBER OF INSPECTIONS	BY INSPECTOR	BY DNR/CRD	CONTRACT USE ONLY	HAS ANYTHING CHANGED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM (Explain in Remarks)	☐ YES ☐ NO

ATTENDANT PLANT

ITEM	NAME OR NUMBER	HOURS

OPERATING SUPPLIES

COMMODITIES	CONSUMED	
	UNIT	QUANTITY
FUEL (Oil)	GALLONS	
LUBRICANT (Oil)	GALLONS	
LUBRICANT (Grease)	POUNDS	
WATER	GALLONS	

CONDITION OF PLANT & EQUIPMENT

REMARKS AND COMMENTS

DNR/CRD FORM: DREDGING 2

INSPECTORS QUALITY ASSURANCE REPORT (QAR)
DAILY LOG OF CONSTRUCTION - DREDGING

THE CONTRACTOR'S QCR REPORT IS TO BE ATTACHED TO THE QAR

TO:

REPORT NUMBER

PROJECT

DATE

CONTRACTOR

CONTRACT NUMBER

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS _____ %

WEATHER AND EA CONDITIONS BY SHIFT

HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT? ☐ NO ☐ YES

NUMBER OF DNR EMPLOYEES OR REPRESENTATIVES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	LABOR	TOTAL

TEMPERATURE

MINIMUM	MAXIMUM

NUMBER OF CONTRACTOR EMPLOYEES

SUPERVISORY	SKILLED	LABORERS

NUMBER OF SHIFTS

FROM	TO	FROM	TO	FROM	TO

24 HOUR PRECIPITATION

INCHES	ENDING

ATTACH LIST OF THE FOLLOWING: (a) Major items of equipment either working or idle, and (b) Number of classifications of contractor personnel onsite. NOTE: If contractor's Quality Control Report (QCR) contains the information it need not be repeated.

TIDES

	FT. N.G.V.D.	TIME
HIGH	_____	_____
LOW	_____	_____

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

A. _____

B _____

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by the letter in table above.

Days of no work and reasons for same.

Information on progress of work, causes for delays and extent of delays. Plant, material, etc.

_____ Days have elapsed on the project; _____% of the time has elapsed of the days allowed.

*****EQUIPMENT ON SITE*****

CONSTRUCTION INSPETION PHASES ATTENDED AND INSTRUCTIONS GIVEN

RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ATIONS TAKEN, AND CORRECTIVE ACTION OF CONTRACTOR. INCLUDE COMMENT PERTAINING TO CONTRACTOR'S CQC ACTIVITIES

VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (INCLUDE NAMES, REACTIONS, AND REMARKS)

CONTROVERSIAL MATTERS IN DETAIL

INFORMATION, INSTRUCTIONS, OR ACTIONS (NOT COVERED IN QCR REPORT OR DISAGREEMENTS)

Total Amount of Floating Pipeline being used _____Feet. Total Amount of Shore Pipe being used_____Feet.

Total Length of Line _____Feet. Total Cubic Yards Pumped To Date _____C.Y.

_____% of Estimated _____Cubic Yards were Pumped. (Mark Adjustments with * and Explain)

REMARKS - (INCLUDE VISITORS TO PROJECT AND MISCELLANEOUS REMARKS PERTINENT TO THE WORK)

SAFETY (INCLUDE ANY INFRACTIONS OF APPROVED SAFETY PLAN, SAFETY MANUAL, OSHA STANDARDS, OR INSTRUCTIONS FROM OWNER'S REPRESENTATIVES. SPECIFY CORRECTIVE ACTION TAKEN)

INSPECTOR'S SIGNATUE	DATE	SUPERVISOR'S APPROVAL	DATE

Appendix D

Final Acceptance

Shaw Coastal, Inc.

197 Elysian Drive
Houma, LA 70363
Toll Free: 888.230.2332
Office: 985.868.3434
Fax: 985.868.8513

Shaw® Shaw Coastal, Inc.

January 20, 2005

Louisiana Department of Natural Resources
1440 Tiger Drive, Suite B
Thibodaux, Louisiana 70301

Attention: **Daniel Dearmond, P.E.**

Subject: **Final Inspection and Acceptance**

Reference: **Louisiana Department of Natural Resources**
Timbalier Island Dune/Marsh Restoration Project - TE-40
SCI Project No. 2272

Dear Mr. Dearmond:

The Final Inspection Meeting was held on January 7, 2005 for the above referenced project. It is Shaw Coastal, Inc.'s (SCI) recommendation that the Louisiana Department of Natural Resources (LDNR) accept this project as complete. The contractor has met the obligations with respect to the Contract Documents, Plans and Specifications.

Should you have any questions or wish to discuss, please contact me at 985-868-3434.

Sincerely,

SHAW COASTAL, INC.

Jeffery M. Peña, P.E.
Project Engineer / Manager

JMP:mbl

cc: Chris Williams - LDNR
Oscar F. Peña, Sr. Vice-President – SCI
Byron "Sonny" Eells, Project Representative – SCI
Jeremy George, Project Representative – SCI

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Shaw Coastal, Inc.

197 Elysian Drive
Houma, LA 70363
Toll Free: 888.230.2332
Office: 985.868.3434
Fax: 985.868.8513

Shaw® Shaw Coastal, Inc.

January 17, 2005

Louisiana Department of Natural Resources
1440 Tiger Drive, Suite B
Thibodaux, Louisiana 70301

Attention: **Daniel Dearmond, P.E.**

Subject: **Final Inspection**

Reference: **Louisiana Department of Natural Resources**
Timbalier Island Dune/Marsh Restoration Project - TE-40
SCI Project No. 2272

Dear Mr. Dearmond:

Attached please find the Meeting Report and Attendance Sheet from the Final Inspection held on January 7, 2005 for the above referenced project.

Should you have any questions or wish to discuss, please contact me at 985-868-3434.

Sincerely,

SHAW COASTAL, INC.

Jeffery M. Peña, P.E.
Project Engineer / Manager

JMP:mbl

Attachments

cc: Chris Williams - LDNR
Oscar F. Peña, Sr. Vice-President – SCI
Byron "Sonny" Eells, Project Representative – SCI
Jeremy George, Project Representative – SCI

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SHAW COASTAL, INC.

197 ELYSIAN DRIVE, HOUMA, LOUISIANA 70363
PHONE (985) 868-3434 - FAX (985) 868-8513

MEETING REPORT

Job No.: 2272 **Date:** January 7, 2005

Job Title: Timbalier Island Dune/Marsh Restoration Project TE-40 **Time:** 10:00 a.m.

Meeting Location: [ ] SCI [X] Project Site

Meeting Purpose: Final Inspection

Participants: See attached attendance record

Summary:

Overall the project site appeared to be clean. The Contractor will survey the project area for trash once more when they come back for dredge pipe (approximately three to four weeks).

Sand dunes are building in some areas 3 ½' – 4' in height by 25' – 30' in width on south side of sand fencing.

Along the north 8' dune slope there are a few cuts in the dune due to rain run-off.

Erosion has occurred since final beach placement between Station 100+00 to Station 118+00 and Station 190+00 to Station 206+00 due to wave action.

Most areas that were seeded by the sub-contractor appeared to be growing well.

The Contractor's last item remaining in the project area is the submerged line for the dune (Station 206+00) south into the Gulf (3,000 feet ±).

All sand fencing in place.

cc: Attendees
Chris Williams – LDNR
Oscar F. Peña, Sr. Vice-President – SCI
Byron "Sonny" Eells, Project Representative – SCI
Jeremy George, Project Representative - SCI

Written by: Jeffery M. Peña, P.E. **Date:** January 17, 2005

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Shaw® Shaw Coastal, Inc.

Date and Location: **Friday, January 7, 2005 at 10:00 a.m.**
Project Site

Meeting Purpose:

Final Inspection
Timbalier Island Marsh / Dune Restoration Project, TE-40
Shaw Project No. 2272

Project Sponsor: Louisiana Department of Natural Resources

**If you wish to be furnished a copy of the attendance record, please indicate so by checking the box next to your name.*

ATTENDANCE REGISTER *

	NAME	√	COMPANY NAME AND PHYSICAL ADDRESS	TELEPHONE NUMBER	FAX NUMBER	EMAIL ADDRESS
1	Jeffery Pena		SCI	868-3434	868-8513	jeffery.pena@shawgrp.com
2	GARY W. JOHNSON		WMI	237-5026	875-2578	GW JOHNSON @ WEEKSMARINE.COM
3	CHARLES GRANGER		"	237 5057	" "	C S GRANGER @ WKS.com
4	Daniel Dearmond		LDNR	(985) 449-5103	(985) 447-0991	daniel.dearmond@la.gov
5	CHRIS WILLIAMS		LDNR	225 342 7549	225 342 6801	Chris.Williams@LA.gov
6	Beau Tate		LDNR	225-342-6136	" "	Beau.tate@La.gov
7	Jeremy George		SCI	985-868-3434	868-8513	jeremy.george@shawgrp.com
8	Irvy Pells		SCI	985-868-3434	868-8513	
9						
10						
11						
12						
13						
14						
15						
16						

Shaw Coastal, Inc.

197 Elysian Drive
Houma, LA 70363
Toll Free: 888.230.2332
Office: 985.868.3434
Fax: 985.868.8513

Shaw® Shaw Coastal, Inc.

December 30, 2004

Weeks Marine, Inc.
304 Gaille Drive
Covington, Louisiana 70433

Attention: **Charles Granger**

Subject: **Final Inspection**

Reference: **Louisiana Department of Natural Resources**
Timbalier Island Dune/Marsh Restoration Project - TE-40
SCI Project No. 2272

Dear Mr. Granger:

Shaw Coastal, Inc. (SCI) has received your letter dated December 29, 2004 (copy attached) advising that Weeks Marine, Inc. has completed the work as per the Contract and is requesting that the Final Inspection for the above referenced project be scheduled.

This letter confirms that the Final Inspection has been scheduled for Friday, January 7, 2005 at 10:00 a.m. Transportation will be provided from the CoCo Marina in Cocodrie, Louisiana at 9:00 a.m. to the project site. Please inform me of your attendance in order that appropriate transportation accommodations are scheduled.

Should you have any questions or wish to discuss, please contact me at 985-868-3434.

Sincerely,

SHAW COASTAL, INC.

Donald A Collette III

for Jeffery M. Peña, P.E.
Project Engineer / Manager

JMP:mbl
Attachments
cc: Chris Williams – LDNR
Daniel Dearmond - LDNR
Oscar F. Peña, Sr. Vice-President – SCI
Byron "Sonny" Eells, Project Representative – SCI
Jeremy George, Project Representative – SCI
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WEEKS MARINE, INC.

DREDGING - MARINE CONTRACTORS
STEVEDORING - EQUIPMENT RENTALS
TOWING - HEAVY LIFT - SALVAGE

304 GAILLE DRIVE • COVINGTON, LA 70433 Office (985) 875-2500 Fax (985) 875-2572

Shaw Coastal, Inc.
197 Elysian Drive
Houma, Louisiana 70363
Phone Number (985) 868-3434

29 December 2004

WMI Serial Letter No.: SCI-45

Attention: Mr. Jeffery M. Pena, P.E.

Reference: File No.: K 25547 DL, Purchase No.: 3739838
State Project No. TE-40, SCI Project No. 2272
Timbalier Island Dune/Marsh Restoration Project
Terrebonne Parish, Louisiana

Subject: Specification Division II
General Conditions
Paragraph 14.8.3

Dear Sir:

Weeks Marine Inc. certifies that the work as prescribed by the contract documents completed. The Partial Pay Request for December 2004 will be the last Pay Request for the project.

Weeks Marine Inc. also requests that the Owner conduct a final inspection of the project site at their earliest convenience.

If you have any questions or require additional information, please contact me at (985) 875-2555.

Sincerely yours,
WEEKS MARINE, INC.

Charles W. Granger
Operations Manager
Hydraulic Group

cc: Mike Ernst
Steve Chatry
Larry DaVico
Charles Granger
Gary Johnson
Correspondence File

Appendix E

Project Data and Fact Sheet

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

PROJECT STATUS REPORT as of 10 March 2005

Timbalier Island Dune and Marsh Restoration

PROJECT DATA

PROJECT: Timbalier Island Dune and Marsh Restoration
PRIORITY LIST: 9 **PROJECT NO:** 0907 **CWPPRA NO:** XTE-45a **DNR NO:** TE-40
PROJECT TYPE: Barrier Island **NET ACRES BENEFITTED:** 273
REGION: 3 **BASIN:** Terrebonne **PARISH:** Terrebonne
LEAD AGENCY: EPA
LOCAL SPONSOR: DEPT. OF NATURAL RESOURCES, STATE OF LA

MILESTONES:

CSA EXECUTION:	10/5/2000 (Actual)
DESIGN COMPLETION:	9/30/2003 *
CONSTRUCTION START:	6/1/2004 (Actual)
CONSTRUCTION COMPLETION:	6/1/2005
ESCROW AMENDMENT	3/2/2001 (Actual) **No:** 84
MONITORING PLAN APPROVAL:	
O and M PLAN APPROVAL:	
DEAUTHORIZATION DATE:	
CASH FLOW PROECTS:	
Phase 1 Approval:	1/11/2000 (Actual)
Phase 2 Approval:	1/16/2003 (Actual)

LEGISLATIVE DISTRICTS:

CONGRESSIONAL DISTRICT:	3 W. J. Tauzin
STATE SENATE DISTRICT:	20 Reggie P. Dupre
STATE HOUSE DISTRICT:	53 Damon Baldone

Point of Contact:

ENVIRONMENTAL PROTECTION AGENCY
REGION 6

Wes McQuiddy (6WQ-EMC)
Project Manager
EPA Region 6
1445 Ross Ave.
Dallas, TX 75202-2733

PHONES:
Office: (214) 665-6722
Fax: (214) 665-6689

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

PROJECT STATUS REPORT as of 10 March 2005

Timbalier Island Dune and Marsh Restoration

FINANCIAL DATA

ESTIMATES	BASELINE	CSA	CURRENT
Engr & Design:	$1,526,174	$1,193,709	$1,886,954
Lands:	$162,086	$202,608	$202,608
Construction:	$11,541,930	$17,959,237	$17,959,237
Monitoring:	$179,030	$0	$125,406
O & M:	$0	$0	$0
Contingencies:	$2,825,459	$0	$0
Total:	$16,234,679	$19,355,554	$20,174,205
Maximum Project Cost:	$20,293,349	future input	future input

		Non-Federal		
OBLIGATIONS	Federal	Cash	WIK	Total
Engr & Design:	$1,876,418	$0	$170,436	$2,046,854
Lands:	$0	$0	$14,572	$14,572
Construction:	$15,265,351	$0	$0	$15,265,351
Monitoring:	$36,397	$0	$15,070	$51,467
O & M:	$0	$0	$0	$0
Total:	$17,178,166	$0	$200,078	$17,378,244
		$200,078		

		Non-Federal		
EXPENDITURES	Federal	Cash	WIK	Total
Engr & Design:	$1,259,419	$0	$170,436	$1,429,855
Lands:	$0	$0	$14,572	$14,572
Construction:	$7,012,915	$0	$0	$7,012,915
Monitoring:	$14,845	$0	$15,070	$29,915
O & M:	$0	$0	$0	$0
Total:	$8,287,179	$0	$200,078	$8,487,256
		$200,078		

Financial Data Analysis:

Federal Expenditures: $8,287,179 (97.6%)

Non-Fed Expenditures: $200,078 (2.4%)

Escrow Funds Deposited:

Notes

1. Financial data based on Corps of Engineers records.
2. A "#" by the CSA Estimate indicates that the CURRENT ESTIMATE exceeds 125% of the CSA ESTIMATE for the feature. A modification to the Cost Sharing Agreement may be required.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

PROJECT STATUS REPORT as of 10 March 2005

Timbalier Island Dune and Marsh Restoration

PROJECT LOCATION:

Project is located on the eastern end of Timbalier Island, Terrebonne Parish, LA.

PROJECT DESCRIPTION:

Construction will include beach, dune, and marsh creation. Sediment source alternatives are being developed and evaluated during design.

PROJECT STATUS: (Project Status Last Updated: 1/21/2005)

Final inspection of the beach/dune/marsh creation construction was conducted on 7 January 2005. Approximately 4.6 MCY of material from the Little Pass borrow site restored a 2.2 mile segment on the eastern end of the island. Two significant storm events with significant rainfall/runoff and wave action occurred during the latter stages of construction and the newly created beach/dune/marsh environment performed well. Over 22,000 linear feet of sand fencing (a double row) was installed and has already begun trapping windblown sand. 5,000 lbs of Gulf Annual Rye Seed was dispersed and has already taken hold on the dune, further preventing erosion until the next project task, the vegetative planting component can begin. The most diverse species planting to date is expected to begin in mid-to-late March 2005. A total of eight different species will be planted completing the project.

FUND STATUS:

The current project estimate is $20,174,205 , which includes $20,048,799 for construction first costs, and $125,406 and $0 for 20 years of monitoring and operations and maintenance, respectively.

June 2004

Timbalier Island Dune and Marsh Restoration (TE-40)

Project Status

Approved Date: 2000
Cost: $20.2 M
Project Area: 663 acres
Status: Construction
Net Benefit After 20 Years: 273 acres
Project Type: Barrier Island Restoration

Location

Timbalier Island is located south of Terrebonne Bay and west of East Timbalier Island in Terrebonne Parish, Louisiana.

Problems

Timbalier Island is migrating rapidly to the west/northwest, which is a clear indication of the dominant influence of longshore sediment transport processes (the movement of beach material by waves and currents) along the island. Thus, the western end of Timbalier Island is undergoing lateral migration by spit-building processes, at the expense of erosion along the eastern end, while the island overall is shortening and narrowing. This loss can be attributed to an inadequate sediment supply, relative sea-level rise, and the passage of storms. Without mitigating efforts, Timbalier Island is projected to disappear by the year 2050.

Restoration Strategy

The objective of this project is to restore the eastern end of Timbalier Island through the direct creation of dune and marsh habitat. The project boundary is divided into Areas A and B. Area A will be restored through direct creation of dune and marsh on the east end of Timbalier Island. Area B will be enhanced through addition of sediment into the nearshore system, maintaining the west/northwest migration of the island and attenuation of wave energy.

Specifically, the project includes restoring the beach rim and dune system. The project will also create a marsh platform on the bay side of the island. The marsh platform will be built around existing marsh with minimal impact. Over three million cubic yards of dredge material will be used in this project. Vegetation will be planted and sand fencing will also be placed on the dune to help capture and retain wind blown sand.

View to the east of the low relief, sparse vegetation and imminent breaches that typify the eastern end of Timbalier Island.

Progress to Date

Construction funding was approved by the Louisiana Coastal Wetlands Conservation and Restoration Task Force in January 2003. Plans and specifications have been finalized and the State of Louisiana is preparing to advertise for bids to construct the project. Construction is expected to begin summer 2004.

This project is on Priority Project List 9.

For more project information, please contact:

Federal Sponsor:
U.S. Environmental Protection Agency
Baton Rouge, LA
(225) 389-0735

Local Sponsor:
Louisiana Department of Natural Resources
Baton Rouge, LA
(225) 342-7308

Timbalier Island Dune and Marsh Restoration (TE-40)

Project Boundary

USGS science for a changing world

0.5 0 0.5 1 1.5 Miles

0.5 0 0.5 1 1.5 Kilometers

Map Produced By:
U.S. Department of the Interior
U.S. Geological Survey
National Wetlands Research Center
Coastal Restoration Field Station

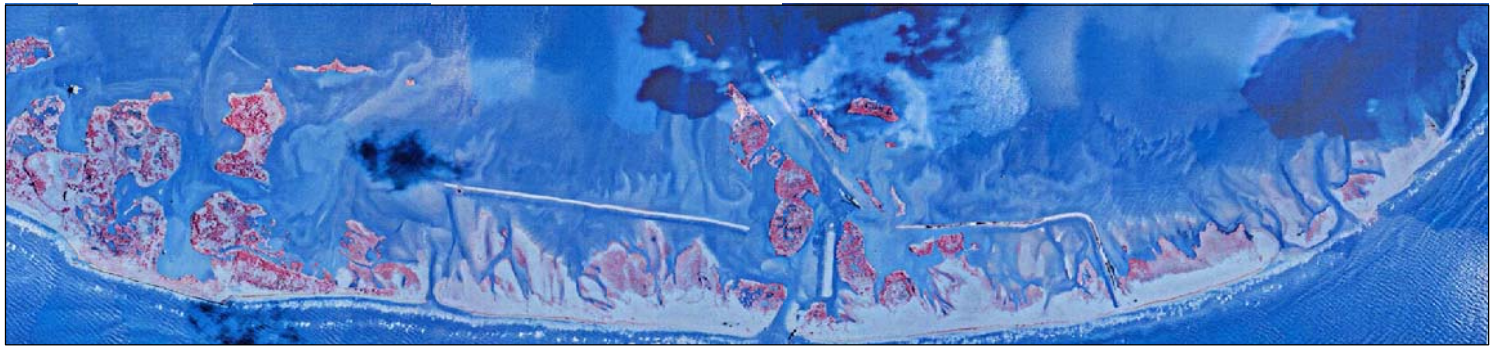
Background Imagery:
2002 Thematic Mapper Imagery

Map Date: December 22, 2003
Map ID: USGS-NWRC 2003-11-100
Data accurate as of: December 22, 2003

Appendix F

Pre and Post Construction Plan View

Pre Construction



June 22, 2004

Post Construction

January 18, 2005

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: KRISTI CANTU
DESIGNED BY: CHRIS WILLIAMS

TIMBALIER ISLAND DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-40

FEDERAL PROJECT NUMBER:

APPROVED BY: LUKE LEBAS

PRE & POST CONSTRUCTION PLAN VIEW

DATE: MARCH 9, 2005

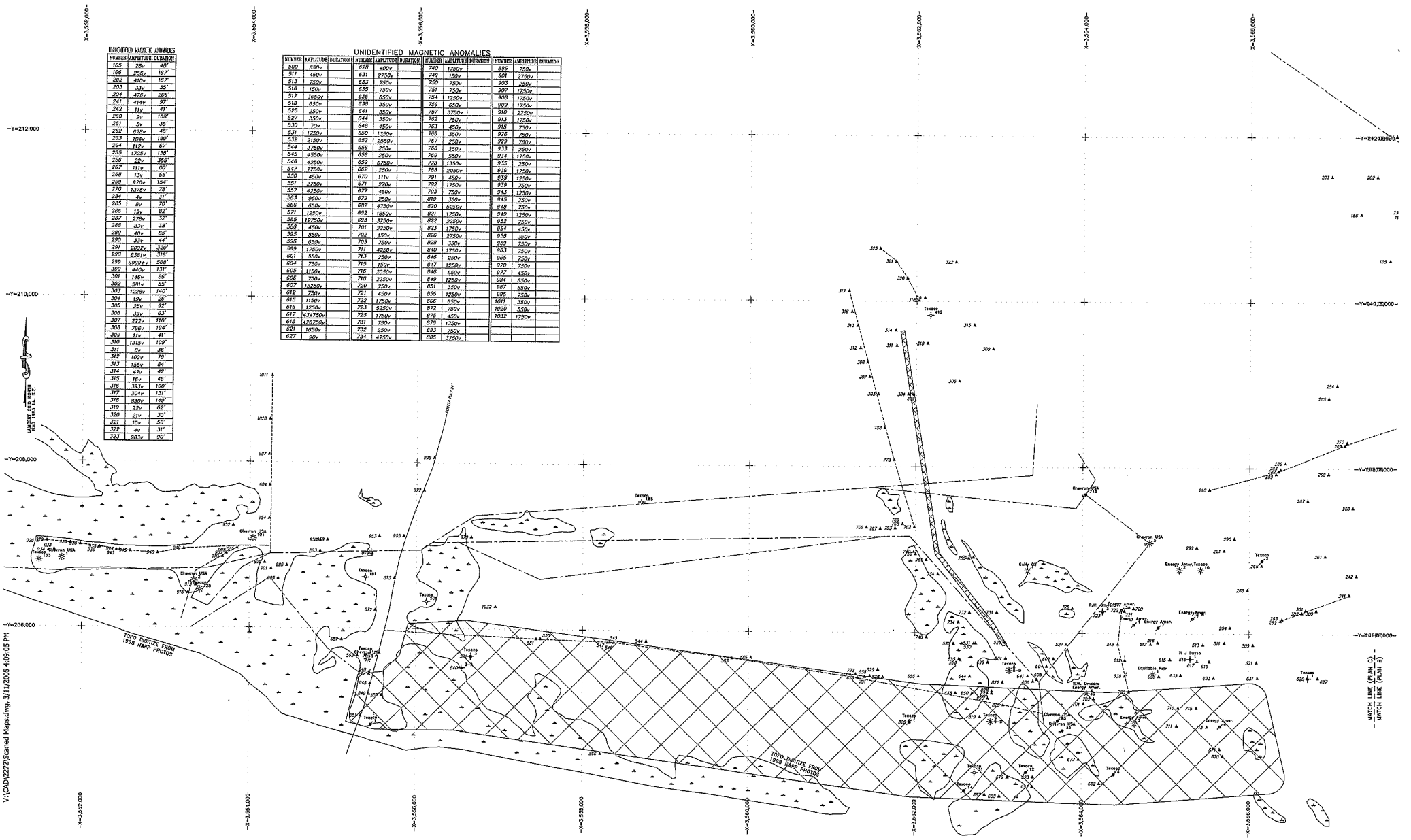
SHEET 1 OF 1

Appendix G

Overall Project Plan and As-Built Drawings

Appendix H

Magnetometer Surveys

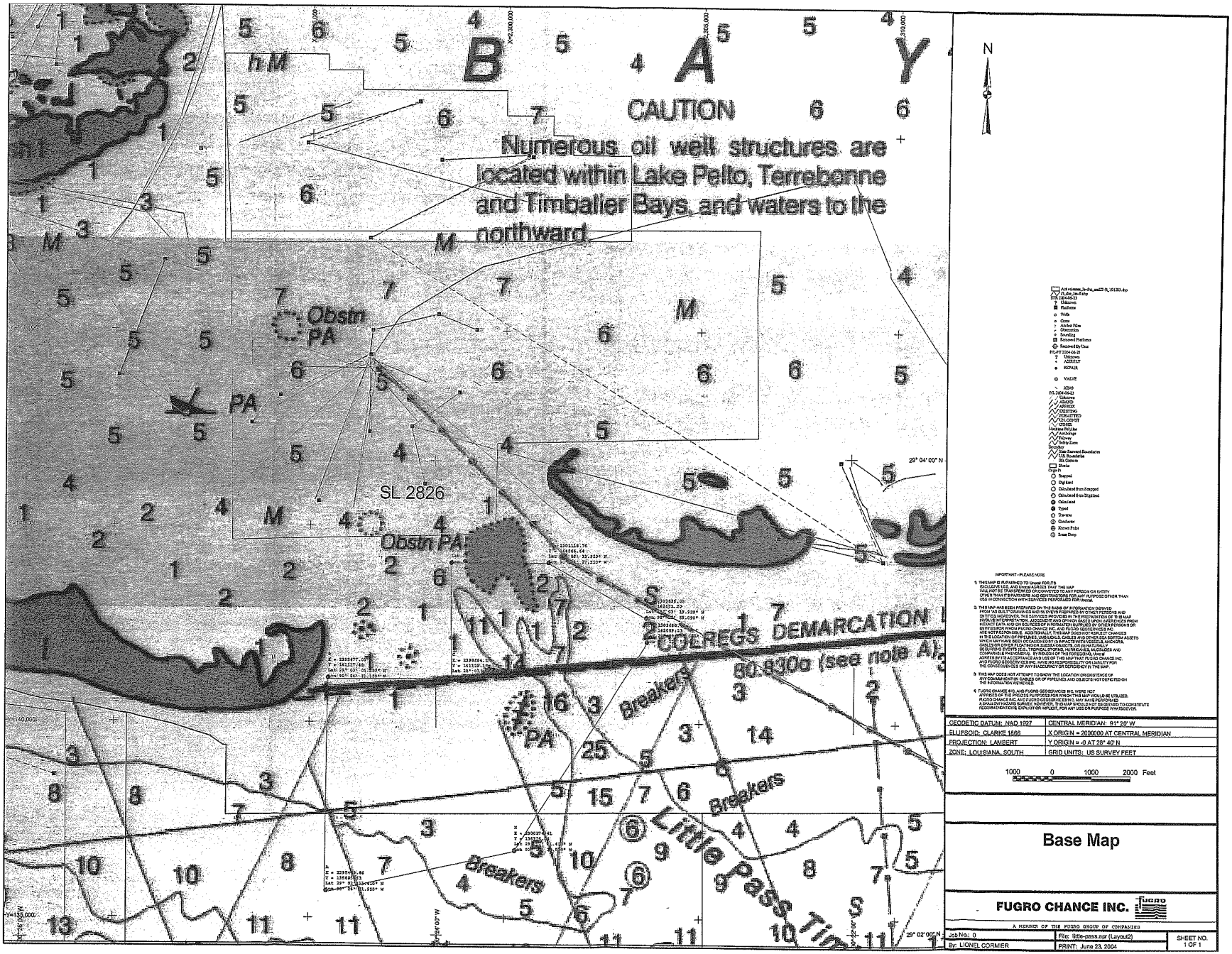


UNIDENTIFIED MAGNETIC ANOMALIES

NUMBER	AMPLITUDE	DURATION
165	38v	48"
166	256v	167"
202	410v	167"
203	33v	35"
204	476v	206"
241	414v	97"
242	11v	41"
260	9v	108"
261	5v	35"
262	628v	46"
263	1046v	180"
264	112v	67"
265	17225v	138"
266	22v	355"
267	111v	60"
268	13v	55"
269	970v	154"
270	1376v	78"
284	4v	31"
285	8v	70"
286	19v	82"
287	278v	32"
288	83v	38"
289	40v	85"
290	33v	44"
291	2092v	320"
298	8381v	316"
299	9999+v	568"
300	440v	131"
301	145v	86"
302	591v	55"
303	1228v	140"
304	10v	26"
305	25v	92"
306	39v	63"
307	222v	110"
308	796v	194"
309	11v	41"
310	1315v	109"
311	8v	36"
312	102v	79"
313	155v	84"
314	47v	42"
315	16v	46"
316	393v	100"
317	304v	131"
318	830v	149"
319	22v	62"
320	21v	30"
321	10v	58"
322	4v	31"
323	283v	90"

UNIDENTIFIED MAGNETIC ANOMALIES

NUMBER	AMPLITUDE	DURATION
509	650v	
511	450v	
513	750v	
516	150v	
517	3650v	
518	650v	
525	250v	
527	350v	
530	70v	
531	1750v	
532	2150v	
544	3250v	
545	4550v	
546	4250v	
547	7750v	
550	450v	
551	2750v	
557	4250v	
563	950v	
566	650v	
571	1250v	
585	12750v	
586	450v	
595	850v	
596	650v	
599	1750v	
601	550v	
604	750v	
605	1150v	
606	750v	
607	15250v	
612	750v	
615	1150v	
616	1250v	
617	434750v	
618	428250v	
621	1650v	
627	90v	
628	400v	
631	2750v	
633	750v	
635	750v	
636	650v	
638	350v	
641	350v	
644	350v	
648	450v	
650	1350v	
652	2550v	
656	250v	
658	250v	
659	67250v	
662	250v	
670	111v	
671	270v	
677	450v	
679	250v	
687	4750v	
692	1850v	
693	3750v	
701	2250v	
702	150v	
705	250v	
711	4250v	
713	250v	
715	150v	
716	2050v	
718	2250v	
720	750v	
721	450v	
722	1750v	
723	5250v	
725	1750v	
731	750v	
732	250v	
734	4750v	
740	1750v	
749	150v	
750	750v	
751	750v	
754	1250v	
756	650v	
757	3750v	
762	750v	
763	450v	
766	350v	
767	250v	
768	250v	
769	550v	
778	1350v	
788	2050v	
791	450v	
792	1750v	
793	750v	
819	350v	
820	5250v	
821	1750v	
822	2250v	
823	1750v	
826	2750v	
828	350v	
840	1750v	
846	250v	
847	1250v	
848	650v	
849	1250v	
851	350v	
856	1250v	
866	650v	
872	750v	
875	450v	
879	1750v	
883	750v	
885	3750v	
896	750v	
901	2750v	
903	250v	
907	1750v	
908	1750v	
909	1350v	
910	2250v	
913	1750v	
915	750v	
926	750v	
929	750v	
933	750v	
934	1750v	
935	250v	
936	1750v	
938	1250v	
939	750v	
943	1250v	
945	750v	
948	750v	
949	1250v	
952	750v	
954	450v	
958	350v	
959	750v	
963	750v	
965	750v	
970	750v	
977	450v	
984	650v	
987	550v	
995	750v	
1011	350v	
1020	550v	
1032	1750v	


B A Y
CAUTION
Numerous oil well structures are located within Lake Pelto, Terrebonne and Timballier Bays, and waters to the northward.
Obstn
PA
SL 2826
COLREGS DEMARCATION
Breakers
Little Pass Tim
N
GEODETIC DATUM: NAD 1927
CENTRAL MERIDIAN: 91° 20' W
SPHEROID: CLARKE 1866
X ORIGIN = 2000000 AT CENTRAL MERIDIAN
PROJECTION: LAMBERT
Y ORIGIN = -0 AT 28° 40' N
ZONE: LOUISIANA, SOUTH
GRID UNITS: US SURVEY FEET
1000 0 1000 2000 Feet
Base Map
FUGRO CHANCE INC.
A MEMBER OF THE FUGRO GROUP OF COMPANIES
Job No.: 0
File: little-pass.ngr (Layout2)
By: LIONEL CORMIER
PRINT: June 23, 2004
SHEET NO. 1 OF 1

Appendix I

Report on CD-ROM