

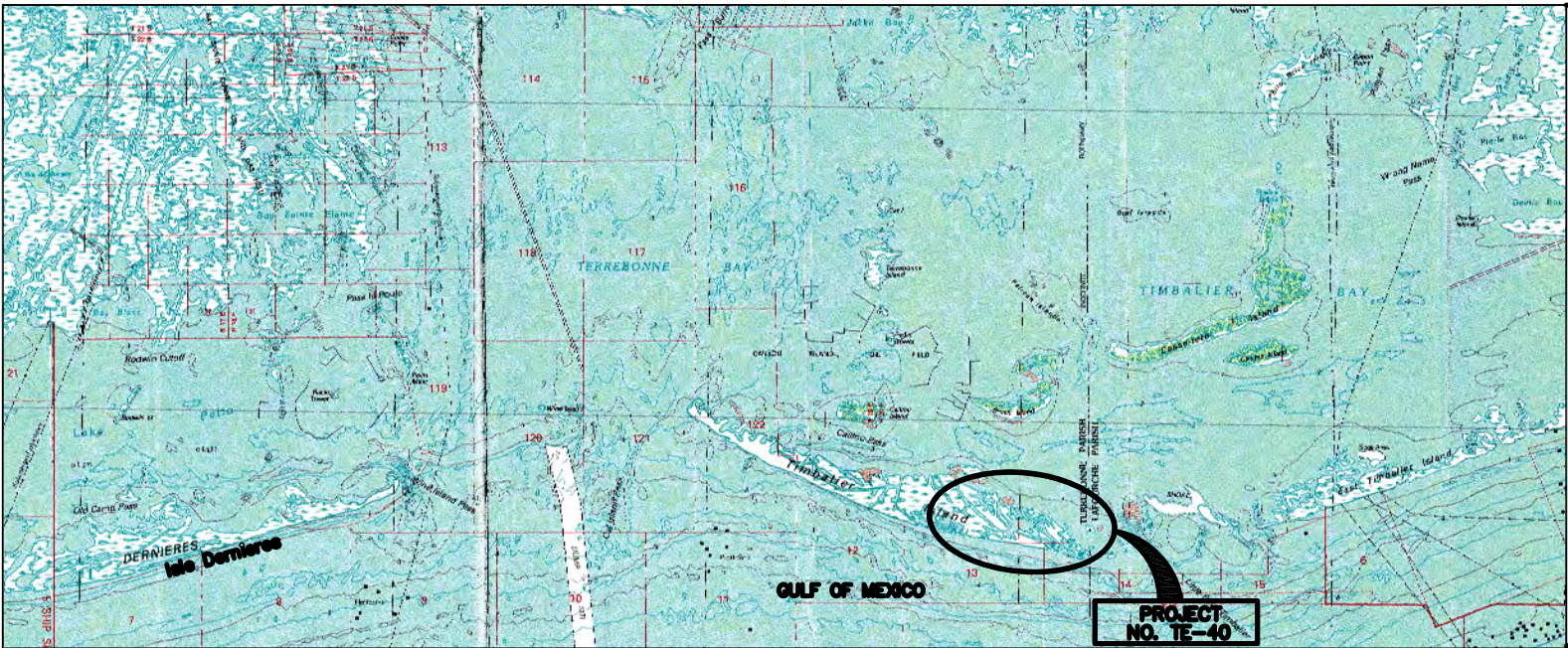
PROJECT NO.	ENGINEERING CONTRACT NO.	PARISH	SHEET NO.
TE-40	2511-02-05	TERREBONNE	1

STATE OF LOUISIANA  
DEPARTMENT OF NATURAL RESOURCES  
COASTAL RESTORATION DIVISION

PLANS OF PROPOSED  
TIMBALIER ISLAND DUNE/MARSH  
RESTORATION PROJECT

PROJECT NO. TE-40

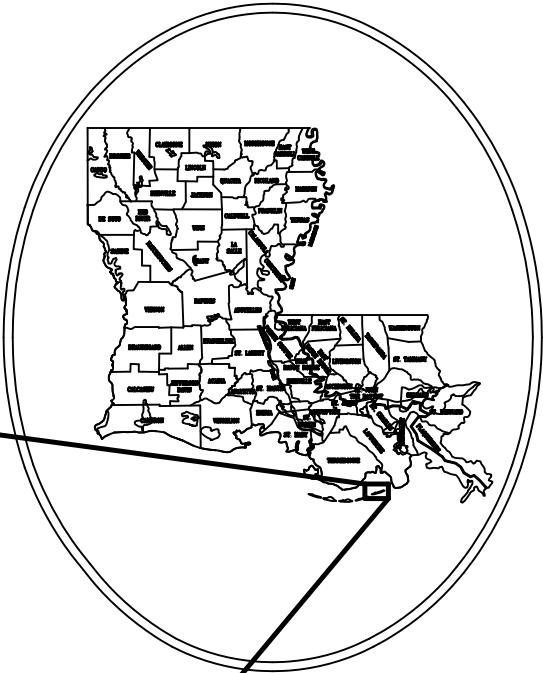
TERREBONNE PARISH



VICINITY MAP

1"=10,000'

STATE OF LOUISIANA  
INSET MAP



RECOMMENDED FOR APPROVAL

D.N.R. PROJECT MANAGER

DATE

RECOMMENDED FOR APPROVAL

E.P.A. PROJECT MANAGER

DATE

PREPARED BY  
T. BAKER SMITH & SON, INC.

MARC J. ROGERS, SR., P.E.

DATE

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE PAGE
2	SUMMARY ESTIMATED QUANTITIES, CIVIL LEGEND, GENERAL NOTES
3	OVERALL PROJECT PLAN
4,5	TIMBALIER ISLAND TOPOGRAPHIC AERIAL MAPS 1"=1000'
6	TYPICAL SECTION
7-9	TIMBALIER ISLAND PROJECT LAYOUT AERIALS 1"=200'
10-11	SAND SOURCE BORROW AREA MAPS
10-A	POST CONSTRUCTION BORROW PIT CONTOURS
10-B	BORROW AREA DREDGE LOCATIONS & DATES
12-19	TIMBALIER ISLAND CROSS-SECTIONS
20	OVERFLOW WEIR BOX DETAILS
21	TYPICAL SAND FENCING LAYOUT
22	CONSTRUCTION ACCESS AND BUCKET DREDGE
23	WHARF DETAILS
24-31	AS-BUILT CROSS-SECTIONS
32	AS-BUILT OUTLINE & CROSS SECTIONS LAYOUT

DATUM USED: N.A.V.D.  
MAG.VAR.: N/A  
BEARINGS ARE TRUE  
TRANSIT BOOK(S): TBS #2833  
PLAN: 1"=1000' & 1"=200'  
DATE: 4/2002  
SCALES:  
PROFILES: HOR. 1"=100'  
VERT. 1"=10'

TYPE OF CONSTRUCTION

HYDRAULIC DREDGING  
CONTAINMENT LEVEES/STRUCTURES  
SHAPING DUNE & MARSH PLATFORM  
SAND FENCING



FEDERAL  
PROJECT  
SPONSOR



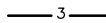





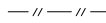
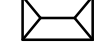

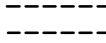

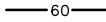


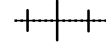
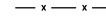

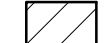

STATE  
PROJECT  
SPONSOR

AS-BUILT

  
T. BAKER SMITH & SON, INC.  
SURVEYING-ENGINEERING-ENVIRONMENTAL SERVICES  
P.O. BOX 2266 HOUMA, LOUISIANA 70301  
(985) 868-1050 http://www.tbsmith.com

# SUMMARY OF ESTIMATED QUANTITIES

## CIVIL LEGEND

	EXISTING CONTOUR LINE
	SLOPE BREAK LINE
	BUCKET DREDGE
	G.P.S. POINT WITH X, Y & Z CONTROL ON SURVEY BASELINE
	T.B.M., P.O.T., OR P.I. ON SURVEY TRAVERSE OR BASELINE SET BY ENGINEER, 3/4 INCH G.I.P.
	POINTS WITH LISTED COORDINATES
	NATURAL GAS OR OIL PIPELINE WITH SIZE IN INCHES.
	EXISTING CAMP
	OYSTER LEASE WITH ACREAGE
	FLOTATION CANAL
	BORROW AREA BOUNDARY
	SUITABLE SAND CONTOUR
	PILE CLUSTER
	EXISTING DOCKS TO BE REMOVED BY CONTRACTOR
	DENOTED CROSS-SECTION LOCATIONS
	TURBITY SCREEN
	DENOTES EXISTING INTERTIDAL MARSH
	DENOTES MAXIMUM DREDGE DEPTH OF 5'.
	DENOTES MAXIMUM DREDGE DEPTH OF 7.5'.

			BASE BID *	AS-BUILT QUANTITIES
ITEM No.	DESCRIPTION	UNIT	QUANTITY	QUANTITY
1	MOBILIZATION	LUMP	LUMP	LUMP
2	HYDRAULIC DREDGING	CU. YDS.	3,100,000	3,100,000
3	CONTAINMENT DIKES	LIN. FT.	23,000	24,305
4	SAND FENCE	LIN. FT.	22,750	22,750
5	GRADING AND SHAPING	STATION	113.5	113.5
6	TURBIDITY SCREEN	LIN. FT.	4,800	1554.57
7	ACCESS DREDGING	LUMP	LUMP	LUMP
8	TIMBER CONSTRUCTION	LUMP	LUMP	LUMP
9	BEACH FILL (HYDRAULIC DREDGE)	CU. YDS.	500,000	500,000
10	ADDITIONAL HYDRAULIC BEACH FILL (NET SECTION BORROW)	CU. YDS.	-----	1,000,000
11	MOBILIZATION (HURRICANE IVAN REPAIRS)	LUMP	-----	LUMP
12	CONTAINMENT DIKES (HURRICANE IVAN REPAIRS)	LIN. FT.	-----	2,000
13	SEEDING	ACRES	-----	100
14	CONTAINMENT DIKES (TROPICAL STORM MATTHEW REPAIRS)	LIN. FT.	-----	1,000

- \* CONTRACTOR SHALL USE DREDGE MATERIAL FROM LITTLE PASS BORROW AREA.
- APPROXIMATELY 22,000 C.Y. OF MATERIAL WILL BE EXCAVATED FOR ACCESS DREDGING.

## GENERAL NOTES

- THE RECOMMENDED BORROW AREA IS SHOWN ON SHEET 10 OF THE DRAWINGS. THE CONTRACTOR SHALL USE THE LITTLE PASS BORROW AREA (SHEET 10) AS THE PRIMARY BORROW SOURCE FOR THE PROJECT. RECENT SAND LOGS OF THE VIBRACORES FOR THESE BORROW AREAS ARE AVAILABLE UPON REQUEST. BASED ON THE INFORMATION GIVEN IN THESE DRAWINGS THE CONTRACTOR SHALL DEVELOP A DREDGING PLAN TO BE APPROVED BY THE ENGINEER. IN NO CASE HOWEVER SHALL THE CONTRACTOR DREDGE BELOW 7.5 FEET BELOW THE EXISTING BOTTOM. WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE ENGINEER OR DNR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING WITHIN THE LIMITS OF THE DREDGE PLAN AREA. THE ENGINEERS PROJECT REPRESENTATIVE SHALL MONITOR THE LOCATION DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE OPERATORS 48 HOURS IN ADVANCE OF THE WORK. AN ATTEMPT TO LOCATE EXISTING PIPELINES HAS BEEN MADE, HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL PIPELINES WITHIN THE FILL AND BORROW AREAS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL USE DOTTIE TO DETERMINE THE LOCATION OF ALL PIPELINES. DO NOT DREDGE WITHIN 200' OF A PIPELINE.
- OYSTER LEASES ARE IN THE VICINITY OF THE WORK. THE CONTRACTOR SHALL NOT DREDGE OR DISTURB BOTTOM WITHIN THE LIMIT OF OYSTER LEASES SHOWN ON THE DRAWING AND NOT DIRECTLY AFFECTED BY THE WORK. PERMISSION TO FILL LEASES THAT ARE LOCATED WITHIN THE PROJECT FOOTPRINT HAS BEEN OBTAINED. LEASES ARE LISTED BELOW.

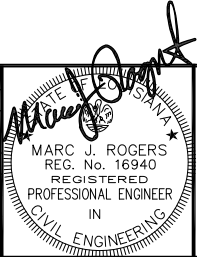
LEASE NO.	LESEE
L-29170	GEORGE J. SEVIN
L-29313	EFRAM NAQUIN
L-29509	PERCY DARDAR SR.
L-29528	FRANK CHAISSON
L-29530	WILFRED CHAISSON
L-29692	GENE TRAHAN
L-32117	GORDON AUTHEMENT
- SAND SOURCE INFORMATION TAKEN FROM A 2001-2002 SURVEY DONE BY OCEAN SURVEYS, INC.
- VOLUMES SHOWN ARE FOR BIDDING PURPOSES ONLY AND WERE CALCULATED ACCORDING TO CONDITIONS SURVEYED IN DECEMBER 2001. BEFORE AND AFTER DREDGING, CROSS-SECTIONS WILL BE SURVEYED BY THE CONTRACTOR FOR MEASUREMENT AND PAYMENT PURPOSES. ALL SURVEY WORK PERFORMED BY CONTRACTOR FOR MEASUREMENT AND PAYMENT WILL BE MONITORED BY THE ENGINEER. THE ENGINEER SHALL REVIEW ALL BEFORE AND AFTER SURVEY CROSS-SECTIONS AND MEASUREMENTS AND PAYMENT CALCULATIONS. IF A DISCREPANCY CANNOT BE RESOLVED THE ENGINEER SHALL PERFORM A CROSS-SECTION SURVEY TO VERIFY THE CONTRACTORS WORK.

AS-BUILT

### NOTES:

1) VERTICAL DATUM - NAVD 88

03/29/05	ADDED AS-BUILT QUANTITIES	MJC	JMP
03/09/04	Addendum No. 1 Revisions	STG	DFB
11/03/03	Revised Quantities	DFB	DFB
10/23/02	Final Revisions	KSP	DFB
DATE	REVISIONS	DRAWN BY	APPROVED BY
REVISIONS			

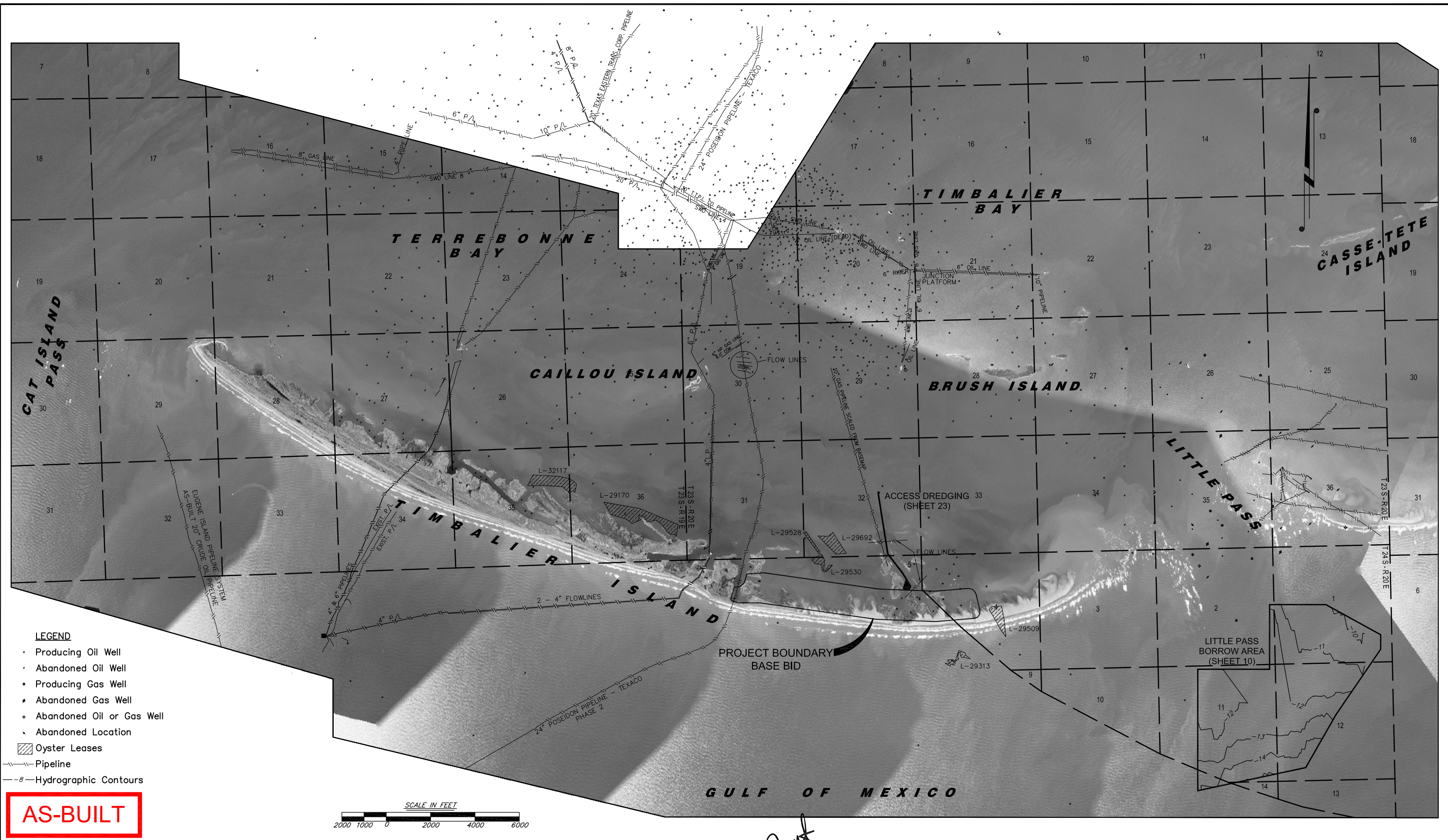


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TBS NO.:	E2001-075
DATE:	08/13/02
PLOT SCALE:	1=1
DRAWN BY:	KSP
APPROVED:	DFB
MAP NO.	

SUMMARY OF ESTIMATED QUANTITIES, CIVIL LEGEND AND GENERAL NOTES
TIMBALIER ISLAND DUNE / MARSH RESTORATION PROJECT (TE-40)
ENGINEERING CONTRACT NO. - 2511-02-05
DEPARTMENT OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION

SHEET NO.  
2  
OF  
23





**LEGEND**

- Producing Oil Well
- Abandoned Oil Well
- Producing Gas Well
- Abandoned Gas Well
- Abandoned Oil or Gas Well
- Abandoned Location
- ▨ Oyster Leases
- Pipeline
- Hydrographic Contours

**AS-BUILT**

**NOTES:**

1) Aerials flown on October 14, 2001.  
at an altitude of 18,000'.

2) HORIZONTAL DATUM - NAD 83  
VERTICAL DATUM - NAVD 88

3) PIPELINES WERE LOCATED BY DIGITIZING EXISTING MAPS.  
SOME PIPELINES WERE FIELD LOCATED DURING THE SEISMIC SURVEY.

DATE	REVISIONS	DRAWN BY	APPROVED BY
03/09/04	Addendum No. Revisions	STG	DFB
10/23/02	Final Revisions	KSP	DFB

MARC J. ROGERS  
REG. No. 16940  
REGISTERED  
PROFESSIONAL ENGINEER  
IN  
CIVIL ENGINEERING

**T. BAKER SMITH & SON, INC.**  
SURVEYING - ENGINEERING - ENVIRONMENTAL SERVICES  
P.O. BOX 2266 HOUMA, LOUISIANA 70361  
(985) 868-1050 <http://www.tbsmith.com>

FILE NAME:	01075-Overall
TBS NO.:	E2001-075
DATE:	8/13/02
PLOT SCALE:	1" = 2000'
DRAWN BY:	KSP
APPROVED:	DFB
MAP NO.	

**OVERALL PROJECT PLAN**

**TIMBALIER ISLAND DUNE / MARSH  
RESTORATION PROJECT (TE-40)**  
ENGINEERING CONTRACT NO. - 2511-02-05  
DEPARTMENT OF NATURAL RESOURCES  
COASTAL RESTORATION DIVISION

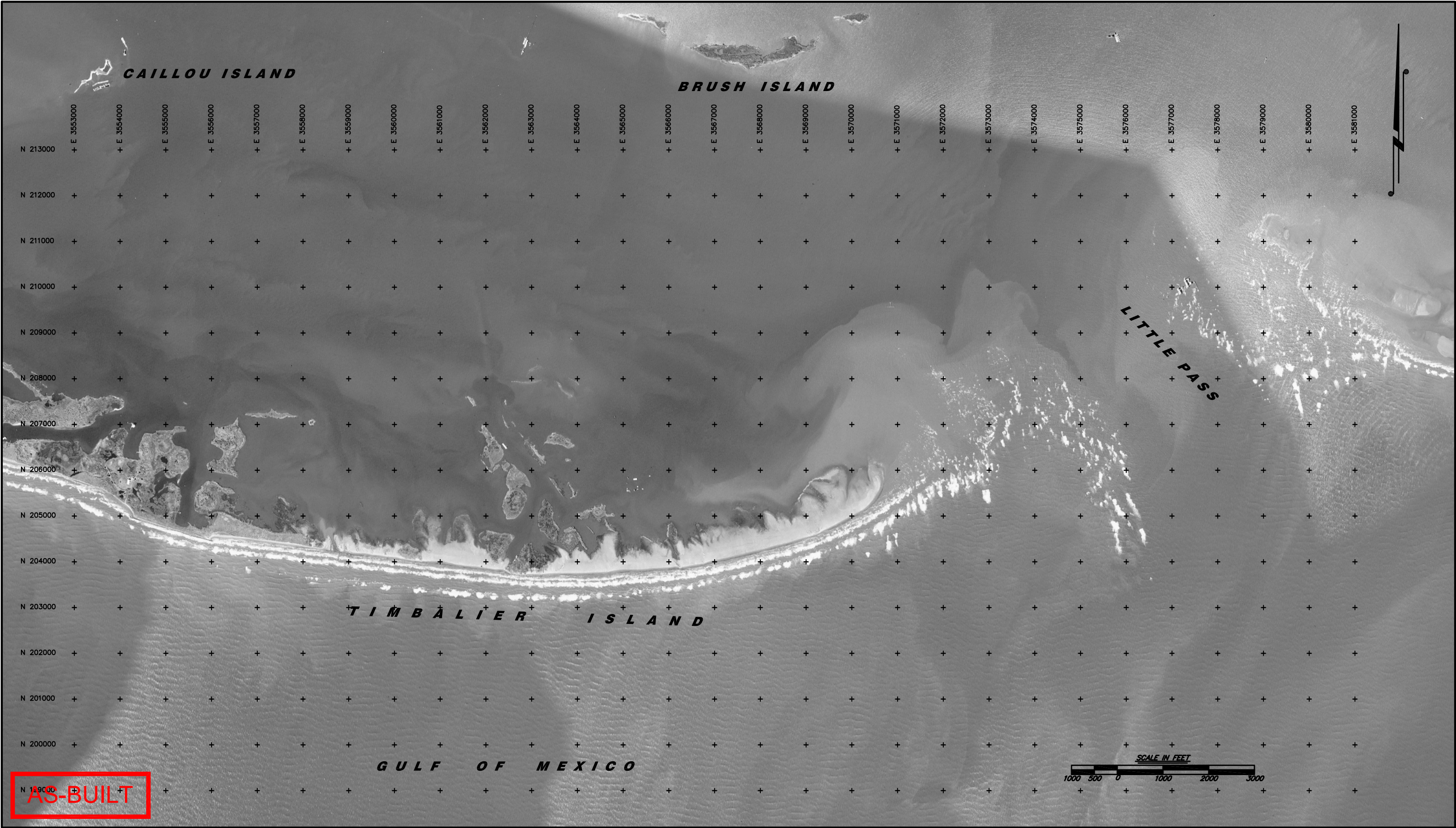
SHEET NO.

**3**  
OF  
**23**





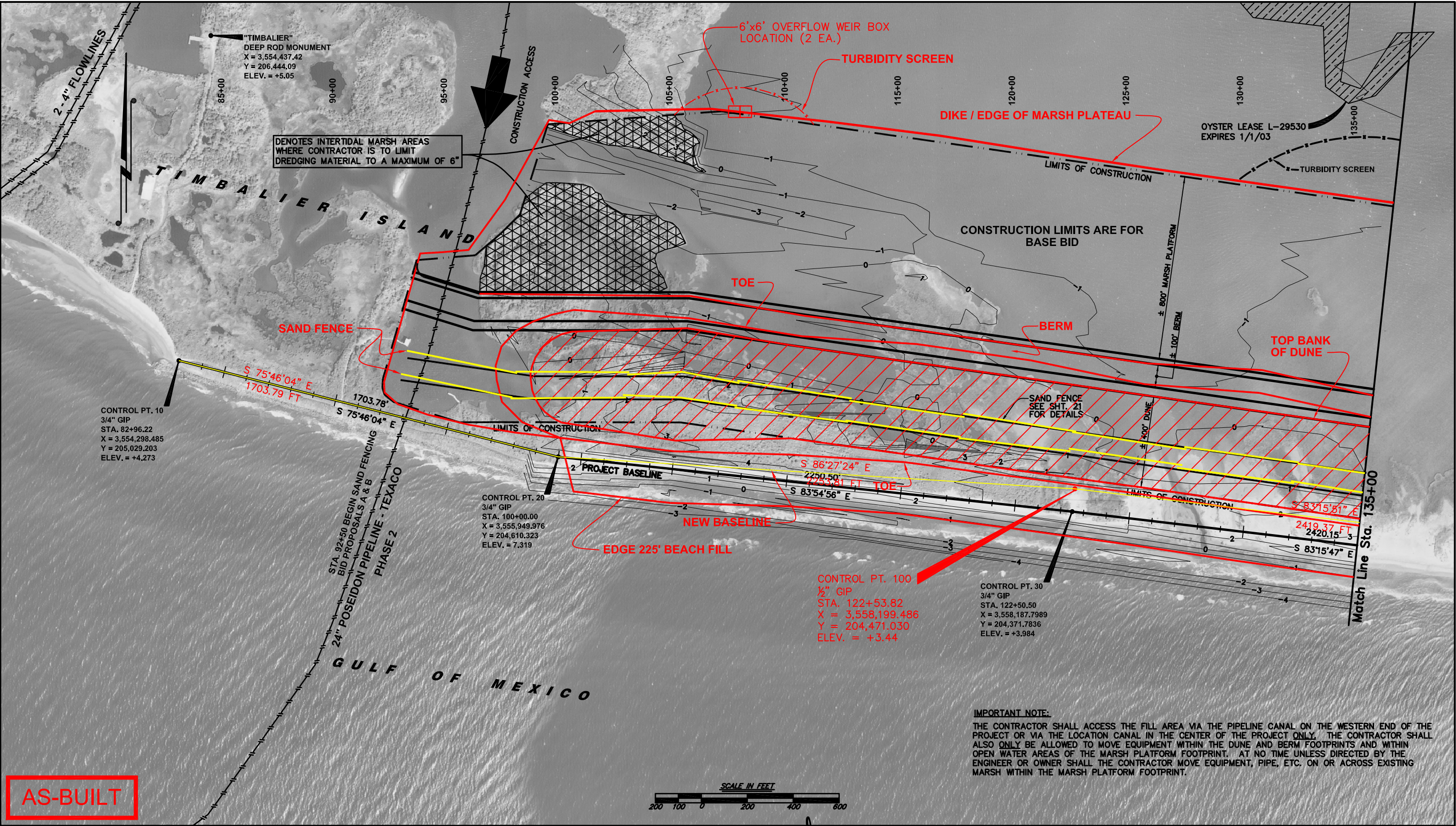








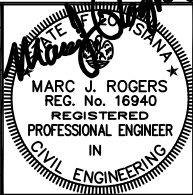




NOTES:

- 1) Aerials flown on October 25, 2001, at an altitude of 6,000'.
- 2) HORIZONTAL DATUM - NAD 83  
VERTICAL DATUM - NAVD 88

DATE	REVISIONS	DRAWN BY	APPROVED BY
03/29/05	AS-BUILT REVISIONS	MJC	JMP
11/03/03	Construction Limits; Sand Fencing; Geotube Revisions	DFB	DFB
10/23/02	Final Revisions	KSP	DFB

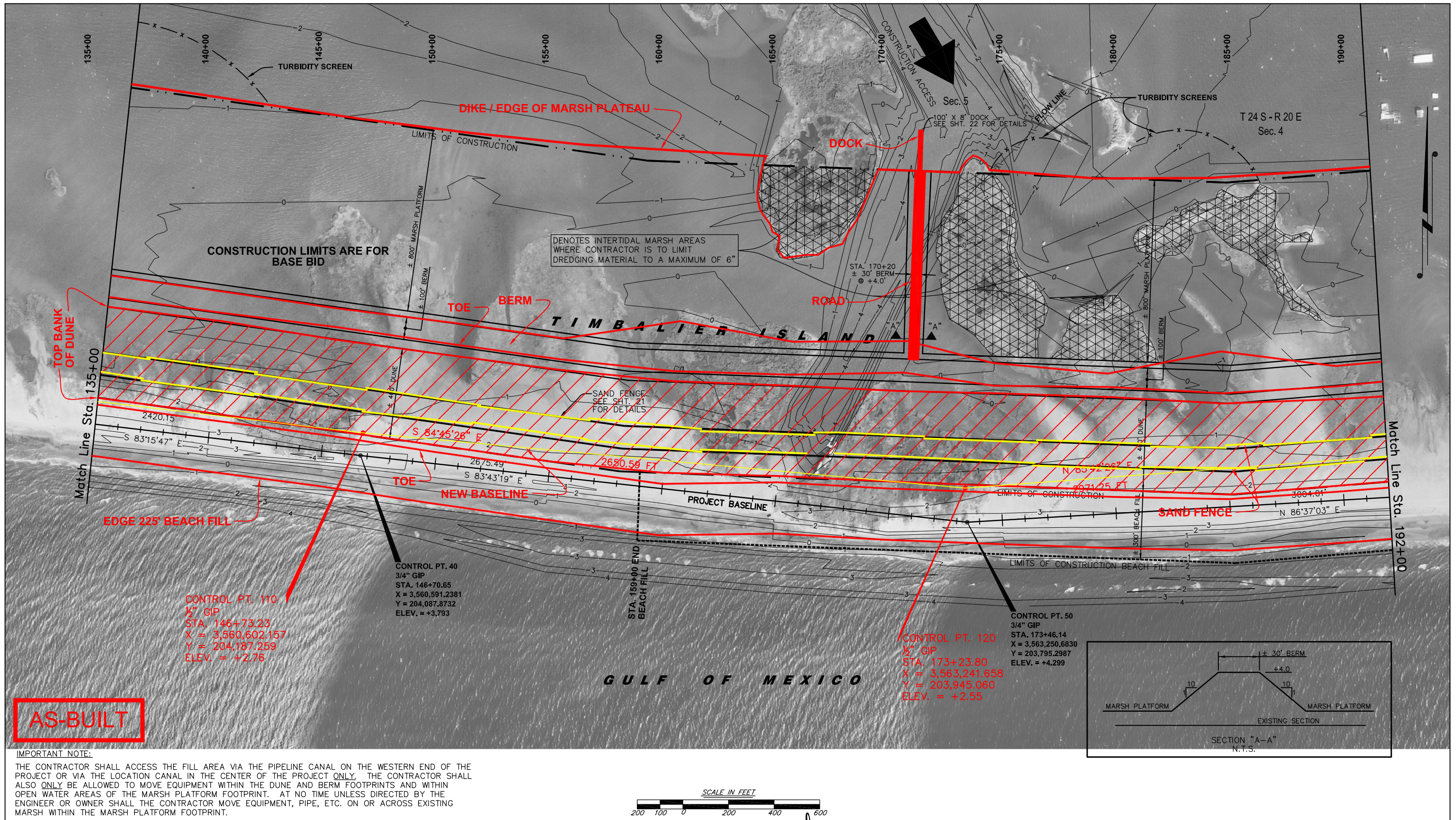


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TBS NO.:	E2001-075
DATE:	08/14/02
PLOT SCALE:	1" = 200'
DRAWN BY:	KSP
APPROVED:	DFB
MAP NO.	

PROJECT LAYOUT AERIALS  
TIMBALIER ISLAND DUNE / MARSH  
RESTORATION PROJECT (TE-40)  
ENGINEERING CONTRACT NO. - 2511-02-05  
DEPARTMENT OF NATURAL RESOURCES  
COASTAL RESTORATION DIVISION

SHEET NO.  
7  
OF  
23



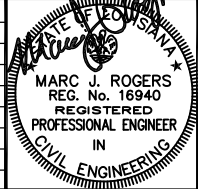



AS-BUILT

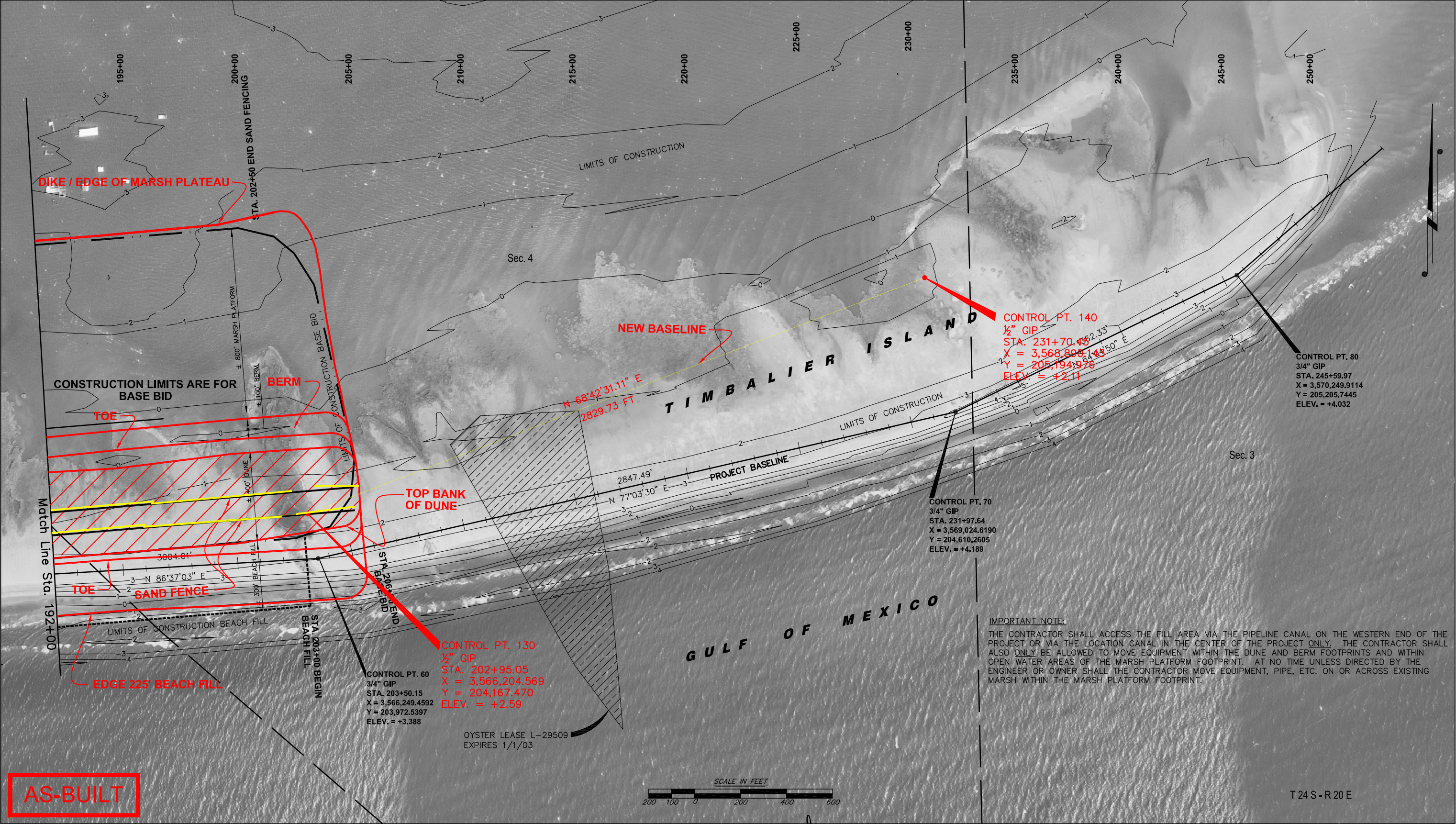
IMPORTANT NOTE:

THE CONTRACTOR SHALL ACCESS THE FILL AREA VIA THE PIPELINE CANAL ON THE WESTERN END OF THE PROJECT OR VIA THE LOCATION CANAL IN THE CENTER OF THE PROJECT ONLY. THE CONTRACTOR SHALL ALSO ONLY BE ALLOWED TO MOVE EQUIPMENT WITHIN THE DUNE AND BERM FOOTPRINTS AND WITHIN OPEN WATER AREAS OF THE MARSH PLATFORM FOOTPRINT. AT NO TIME UNLESS DIRECTED BY THE ENGINEER OR OWNER SHALL THE CONTRACTOR MOVE EQUIPMENT, PIPE, ETC. ON OR ACROSS EXISTING MARSH WITHIN THE MARSH PLATFORM FOOTPRINT.



NOTES:  1) Aerials flown on October 25, 2001, at an altitude of 6,000'.  2) HORIZONTAL DATUM - NAD 83 VERTICAL DATUM - NAVD 88							FILE NAME: 01075-PO2.DWG	PROJECT LAYOUT AERIALS	SHEET NO.  8 OF 23		
							TBS NO.: E2001-075				
							DATE: 08/15/02				
							PLOT SCALE: 1 = 200				
							DRAWN BY: KSP				
							APPROVED: DFB				
				MAP NO.	TIMBALIER ISLAND DUNE / MARSH RESTORATION PROJECT (TE-40) ENGINEERING CONTRACT NO. - 2511-02-05 DEPARTMENT OF NATURAL RESOURCES COASTAL RESTORATION DIVISION						





**IMPORTANT NOTE:**  
THE CONTRACTOR SHALL ACCESS THE FILL AREA VIA THE PIPELINE CANAL ON THE WESTERN END OF THE PROJECT OR VIA THE LOCATION CANAL IN THE CENTER OF THE PROJECT ONLY. THE CONTRACTOR SHALL ALSO ONLY BE ALLOWED TO MOVE EQUIPMENT WITHIN THE DUNE AND BERM FOOTPRINTS AND WITHIN OPEN WATER AREAS OF THE MARSH PLATFORM FOOTPRINT. AT NO TIME UNLESS DIRECTED BY THE ENGINEER OR OWNER SHALL THE CONTRACTOR MOVE EQUIPMENT, PIPE, ETC. ON OR ACROSS EXISTING MARSH WITHIN THE MARSH PLATFORM FOOTPRINT.

**AS-BUILT**

**NOTES:**

1) Aerials flown on October 25, 2001.  
at an altitude of 6,000'.

2) HORIZONTAL DATUM - NAD 83  
VERTICAL DATUM - NAVD 88

03/29/05	AS-BUILT REVISIONS	MJC	JMP		
03/09/04	Addendum No. 1 Revisions	STG	DFB		
11/03/03	Construction Limits; Sand Fencing and Geotube Revisions	DFB	DFB		
10/23/02	Final Revisions	KSP	DFB		
DATE	REVISIONS	DRAWN BY	APPROVED BY		
	REVISIONS				

**SCALE IN FEET**

200 100 0 200 400 600

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FILE NAME: 01075-P03.DWG  
TBS NO.: E2001-075  
DATE: 08/15/02  
PLOT SCALE: 1" = 200  
DRAWN BY: KSP  
APPROVED: DFB  
MAP NO.

**PROJECT LAYOUT AERIALS**

**TIMBALIER ISLAND DUNE / MARSH RESTORATION PROJECT (TE-40)**  
**ENGINEERING CONTRACT NO. - 2511-02-05**  
**DEPARTMENT OF NATURAL RESOURCES**  
**COASTAL RESTORATION DIVISION**

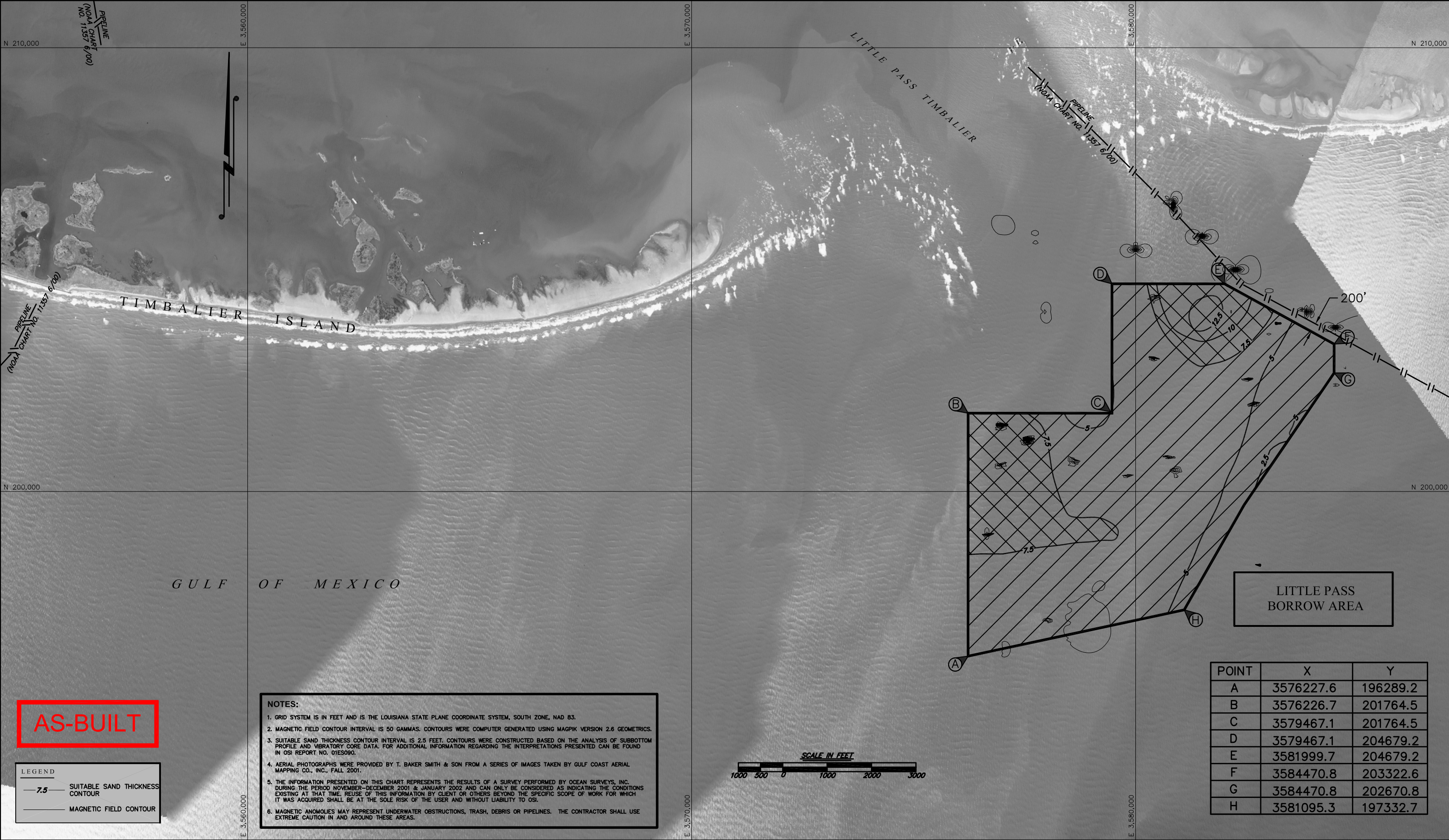
SHEET NO.

**9**

OF

**23**





AS-BUILT

LEGEND	
	SUITABLE SAND THICKNESS CONTOUR
	MAGNETIC FIELD CONTOUR

NOTES:

- GRID SYSTEM IS IN FEET AND IS THE LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83.
- MAGNETIC FIELD CONTOUR INTERVAL IS 50 GAMMAS. CONTOURS WERE COMPUTER GENERATED USING MAGPIK VERSION 2.6 GEOMETRICS.
- SUITABLE SAND THICKNESS CONTOUR INTERVAL IS 2.5 FEET. CONTOURS WERE CONSTRUCTED BASED ON THE ANALYSIS OF SUBBOTTOM PROFILE AND VIBRATORY CORE DATA. FOR ADDITIONAL INFORMATION REGARDING THE INTERPRETATIONS PRESENTED CAN BE FOUND IN OSI REPORT NO. 01ES090.
- AERIAL PHOTOGRAPHS WERE PROVIDED BY T. BAKER SMITH & SON FROM A SERIES OF IMAGES TAKEN BY GULF COAST AERIAL MAPPING CO., INC., FALL 2001.
- THE INFORMATION PRESENTED ON THIS CHART REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY OCEAN SURVEYS, INC. DURING THE PERIOD NOVEMBER-DECEMBER 2001 & JANUARY 2002 AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME. REUSE OF THIS INFORMATION BY CLIENT OR OTHERS BEYOND THE SPECIFIC SCOPE OF WORK FOR WHICH IT WAS ACQUIRED SHALL BE AT THE SOLE RISK OF THE USER AND WITHOUT LIABILITY TO OSI.
- MAGNETIC ANOMOLIES MAY REPRESENT UNDERWATER OBSTRUCTIONS, TRASH, DEBRIS OR PIPELINES. THE CONTRACTOR SHALL USE EXTREME CAUTION IN AND AROUND THESE AREAS.

POINT	X	Y
A	3576227.6	196289.2
B	3576226.7	201764.5
C	3579467.1	201764.5
D	3579467.1	204679.2
E	3581999.7	204679.2
F	3584470.8	203322.6
G	3584470.8	202670.8
H	3581095.3	197332.7

OCEAN SURVEYS, INC.  
OLD SAYBROOK, CONNECTICUT  
(860) 388-4631  
www.oceansurveys.com

NOTE: DREDGE DEPTH SHOULD BE LIMITED TO SUITABLE SAND THICKNESS CONTOUR OR 7.5' FROM EXISTING BOTTOM, WHICHEVER IS DEEPER.

	DENOTES 5' DREDGE DEPTH (MAXIMUM)
	DENOTES 7.5' DREDGE DEPTH (MAXIMUM)

10/23/02	Final Revisions	KSP	DFB
DATE	REVISIONS	DRAWN BY	APPROVED BY

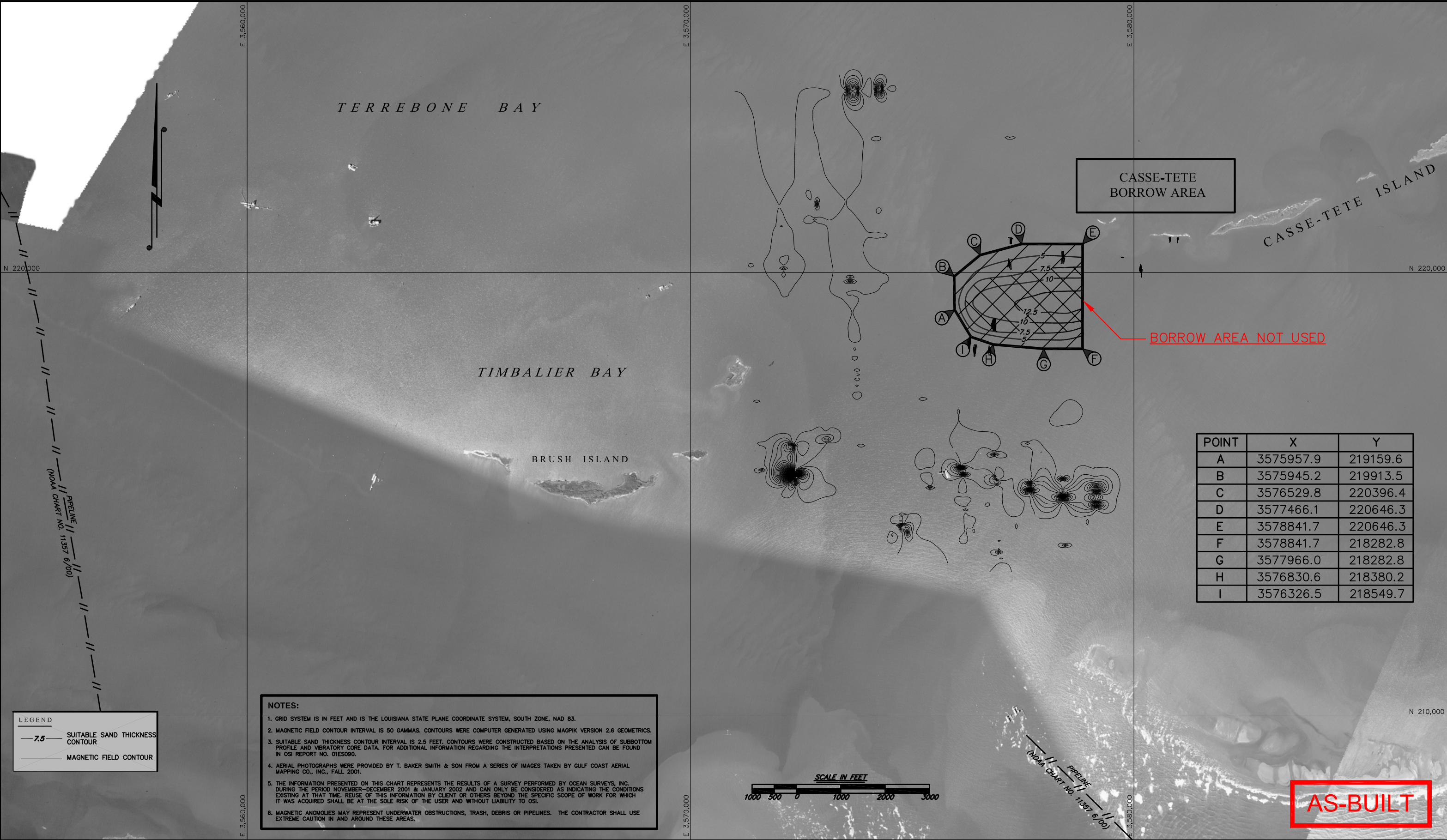
T. BAKER SMITH & SON, INC.  
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P.O. BOX 2266 HOUMA, LOUISIANA 70361  
(985) 868-1050 http://www.tbsmith.com

FILE NAME: 01075-SS2
TBS NO.: E2001-075
DATE: 08/15/02
PLOT SCALE: 1"=100'
DRAWN BY: P.JL
APPROVED: DFB
OSI DRAWING NO. 01ES090.3

SUITABLE SAND THICKNESS AND MAGNETIC FIELD ANOMALIES  
TIMBALIER ISLAND DUNE / MARSH RESTORATION PROJECT (TE-40)  
ENGINEERING CONTRACT NO. - 2511-02-05  
DEPARTMENT OF NATURAL RESOURCES  
COASTAL RESTORATION DIVISION

SHEET NO. 10 OF 23





LEGEND

7.5

SUITABLE SAND THICKNESS CONTOUR

MAGNETIC FIELD CONTOUR

- NOTES:
1. GRID SYSTEM IS IN FEET AND IS THE LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83.

2. MAGNETIC FIELD CONTOUR INTERVAL IS 50 GAMMAS. CONTOURS WERE COMPUTER GENERATED USING MAGPIK VERSION 2.6 GEOMETRICS.

3. SUITABLE SAND THICKNESS CONTOUR INTERVAL IS 2.5 FEET. CONTOURS WERE CONSTRUCTED BASED ON THE ANALYSIS OF SUBBOTTOM PROFILE AND VIBRATORY CORE DATA. FOR ADDITIONAL INFORMATION REGARDING THE INTERPRETATIONS PRESENTED CAN BE FOUND IN OSI REPORT NO. 01ES090.

4. AERIAL PHOTOGRAPHS WERE PROVIDED BY T. BAKER SMITH & SON FROM A SERIES OF IMAGES TAKEN BY GULF COAST AERIAL MAPPING CO., INC., FALL 2001.

5. THE INFORMATION PRESENTED ON THIS CHART REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY OCEAN SURVEYS, INC. DURING THE PERIOD NOVEMBER-DECEMBER 2001 & JANUARY 2002 AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME. REUSE OF THIS INFORMATION BY CLIENT OR OTHERS BEYOND THE SPECIFIC SCOPE OF WORK FOR WHICH IT WAS ACQUIRED SHALL BE AT THE SOLE RISK OF THE USER AND WITHOUT LIABILITY TO OSI.

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OSI

OCEAN SURVEYS, INC.

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DENOTES 5' DREDGE DEPTH (MAXIMUM)

DENOTES 7.5' DREDGE DEPTH (MAXIMUM)

10/23/02	Final Revisions	KSP	DFB
DATE	REVISIONS	DRAWN BY	APPROVED BY
REVISIONS			

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SURVEYING - ENGINEERING - ENVIRONMENTAL SERVICES

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(985) 868-1050    http://www.tbsmith.com

FILE NAME: 01075-SS3

TBS NO.: E2001-075

DATE: 08/15/02

PLOT SCALE: 1"=1000'

DRAWN BY: PJL

APPROVED: DFB

OSI DRAWING NO. 01ES090.3

SUITABLE SAND THICKNESS AND MAGNETIC FIELD ANOMALIES

TIMBALIER ISLAND DUNE / MARSH RESTORATION PROJECT (TE-40)

ENGINEERING CONTRACT NO. - 2511-02-05

DEPARTMENT OF NATURAL RESOURCES

COASTAL RESTORATION DIVISION

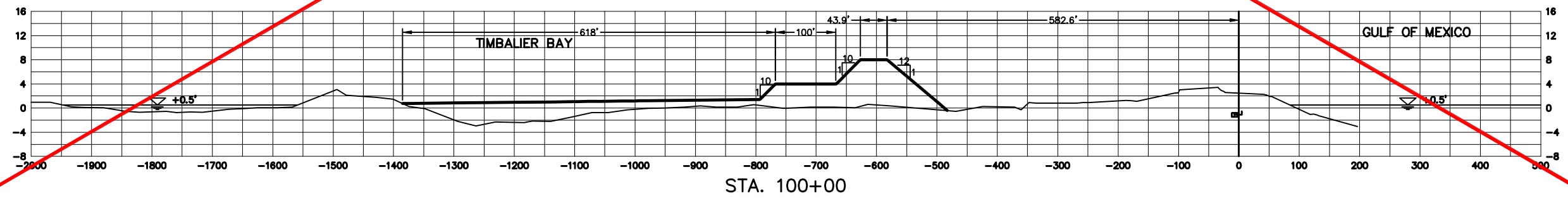
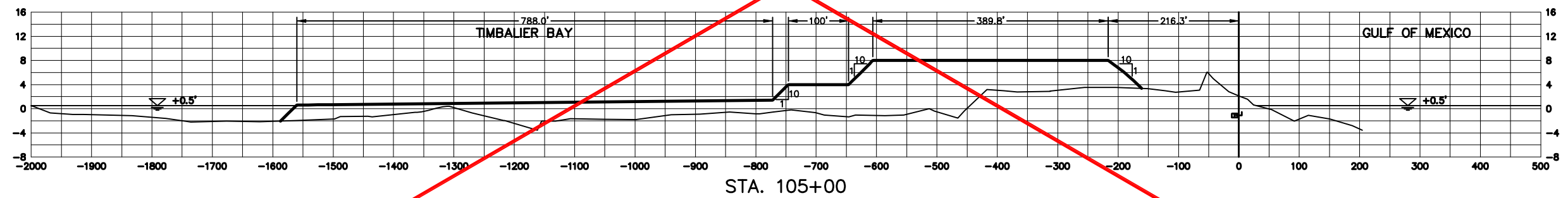
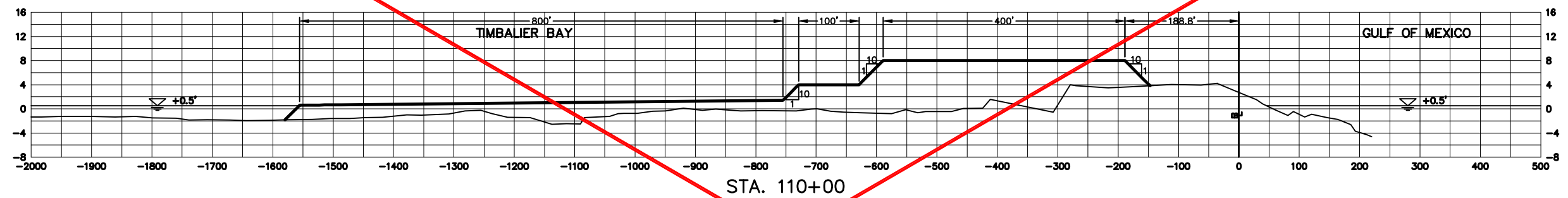
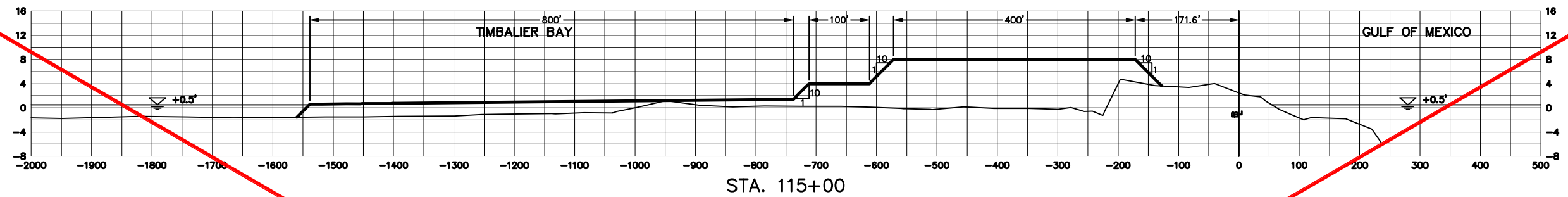
SHEET NO.

11

OF

23





Scale: Horz. - 1"=100'  
Vert. - 1"=10'

AS-BUILT

SEE SHEETS 24 & 25

#### NOTES:

1) VERTICAL DATUM - NAVD 88

10/23/02	Final Revisions	KSP	DFB
DATE	REVISIONS	DRAWN BY	APPROVED BY



FILE NAME:	01075-XS1.DWG
TBS NO.:	E2001-075
DATE:	08/01/02
PLOT SCALE:	1" = 100'
DRAWN BY:	KSP
APPROVED:	DFB
MAP NO.	

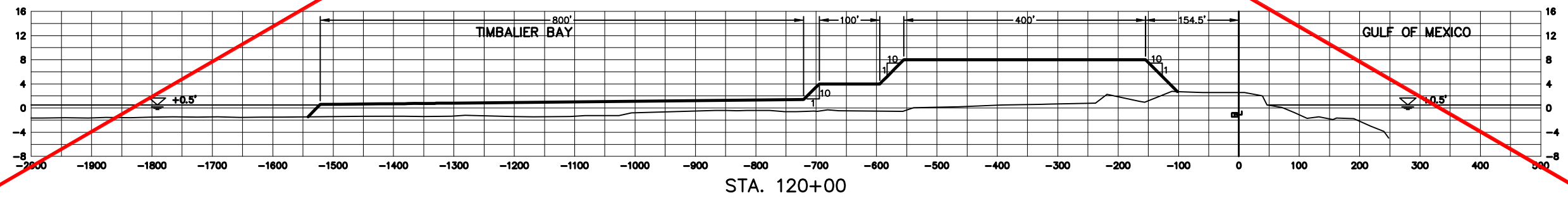
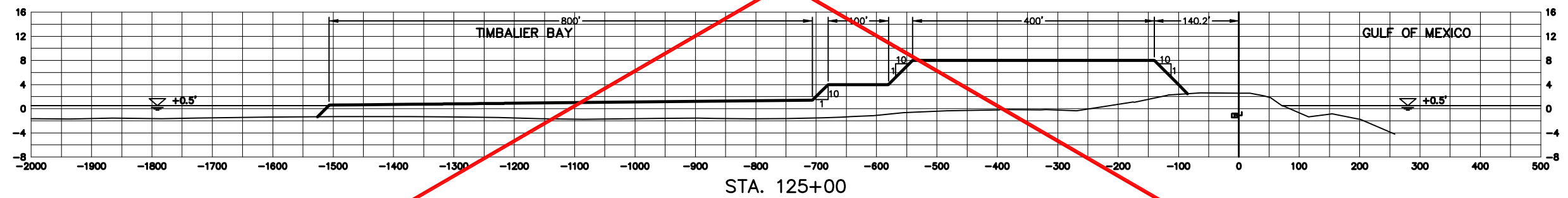
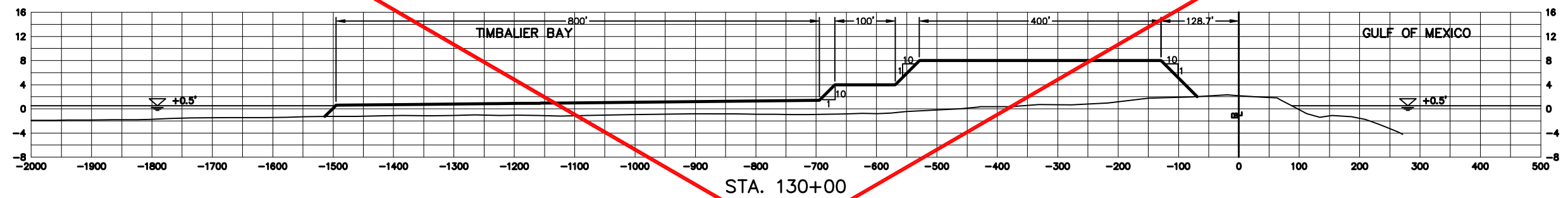
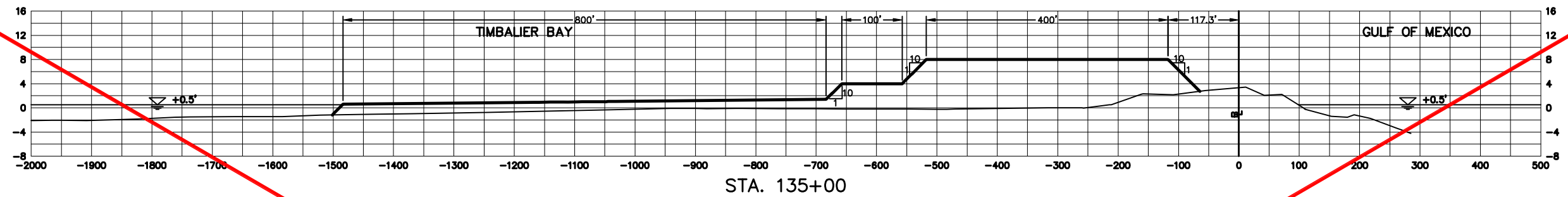
#### CROSS SECTIONS

**TIMBALIER ISLAND DUNE / MARSH  
RESTORATION PROJECT (TE-40)  
ENGINEERING CONTRACT NO. - 2511-02-05  
DEPARTMENT OF NATURAL RESOURCES  
COASTAL RESTORATION DIVISION**

SHEET NO.

**12  
OF  
23**





Scale: Horz. - 1"=100'  
Vert. - 1"=10'

AS-BUILT

SEE SHEETS 25 & 26

NOTES:

1) VERTICAL DATUM - NAVD 88

10/23/02	Final Revisions	KSP	DFB
DATE	REVISIONS	DRAWN BY	APPROVED BY



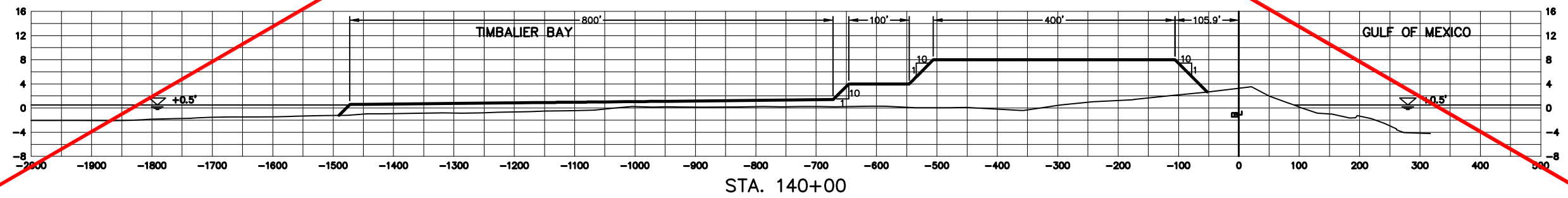
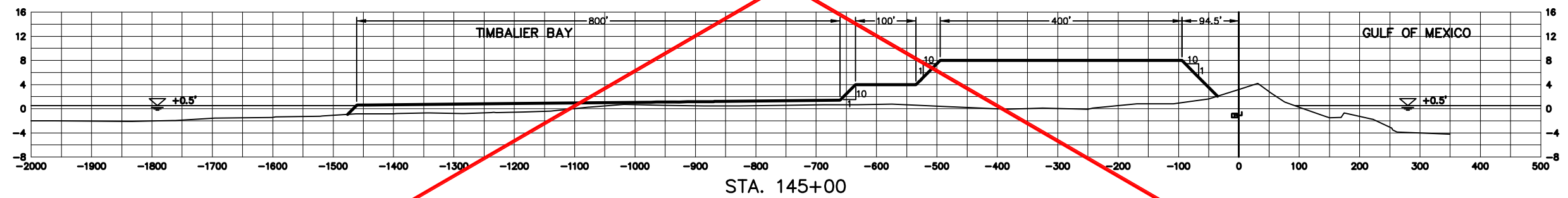
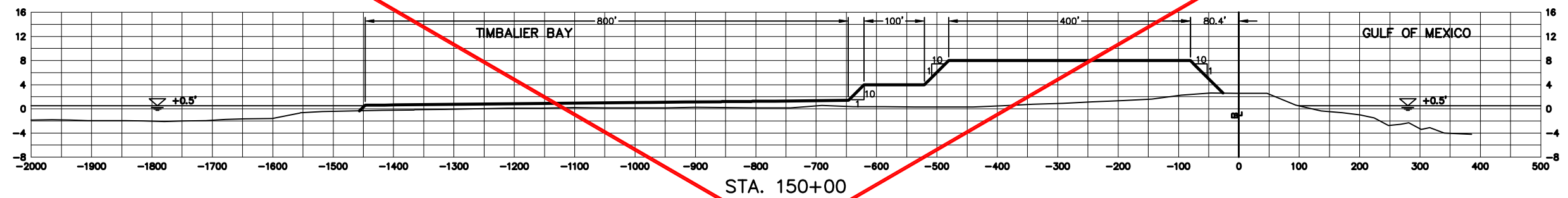
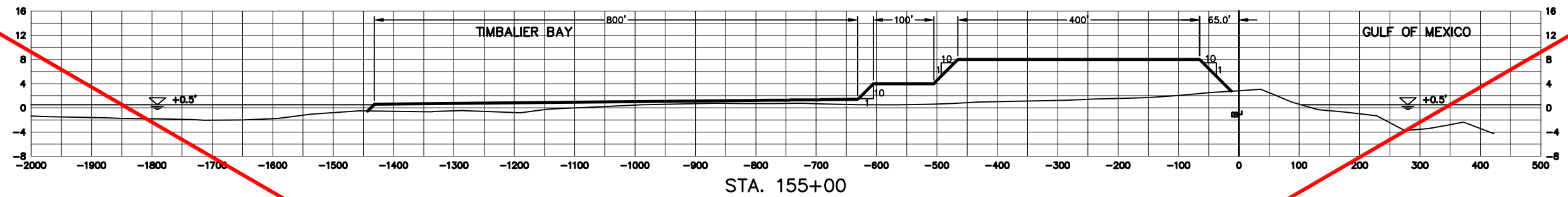
FILE NAME:	01075-XS2.DWG
TBS NO.:	E2001-075
DATE:	08/01/02
PLOT SCALE:	1" = 100'
DRAWN BY:	KSP
APPROVED:	DFB
MAP NO.	

CROSS SECTIONS

TIMBALIER ISLAND DUNE / MARSH  
RESTORATION PROJECT (TE-40)  
ENGINEERING CONTRACT NO. - 2511-02-05  
DEPARTMENT OF NATURAL RESOURCES  
COASTAL RESTORATION DIVISION

SHEET NO.  
**13**  
OF  
**23**





Scale: Horz. - 1"=100'  
Vert. - 1"=10'

AS-BUILT

SEE SHEETS 26 & 27

#### NOTES:

1) VERTICAL DATUM - NAVD 88

10/23/02	Final Revisions	KSP	DFB
DATE	REVISIONS	DRAWN BY	APPROVED BY



FILE NAME:	01075-XS3.DWG
TBS NO.:	E2001-075
DATE:	08/01/02
PLOT SCALE:	1" = 100'
DRAWN BY:	KSP
APPROVED:	DFB
MAP NO.	

#### CROSS SECTIONS

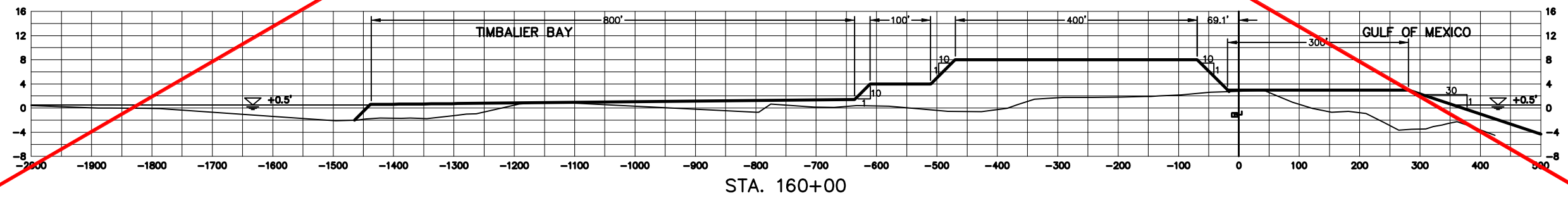
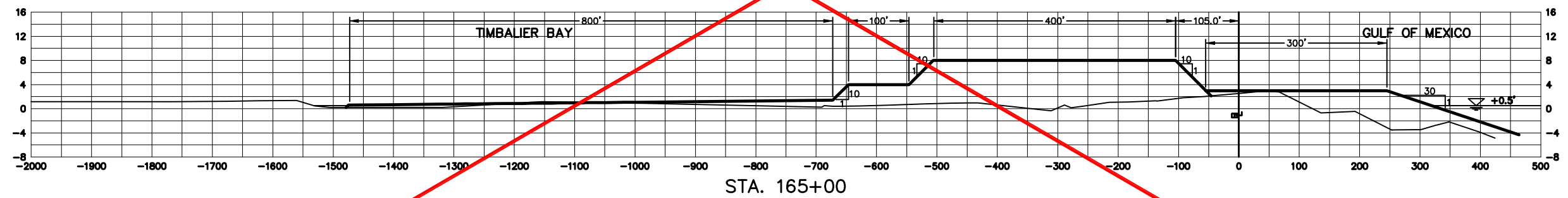
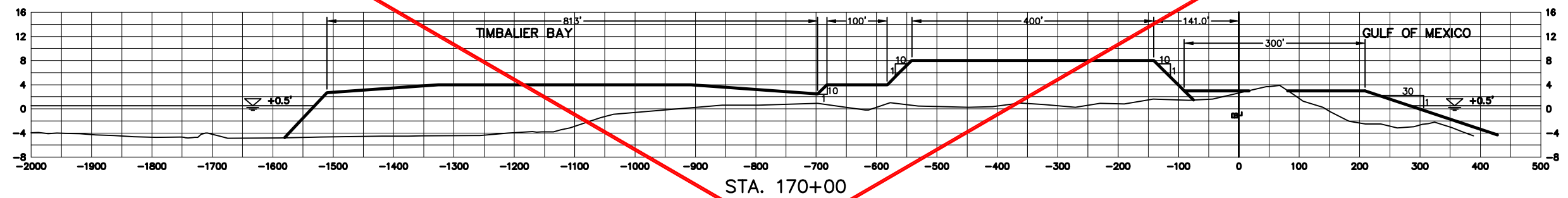
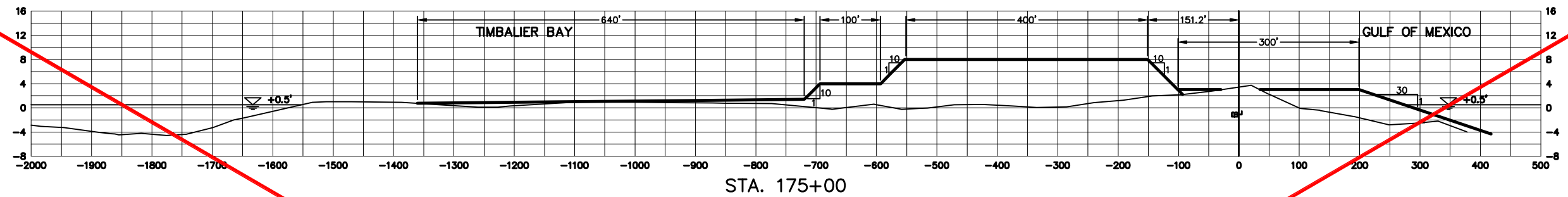
**TIMBALIER ISLAND DUNE / MARSH  
RESTORATION PROJECT (TE-40)  
ENGINEERING CONTRACT NO. - 2511-02-05  
DEPARTMENT OF NATURAL RESOURCES  
COASTAL RESTORATION DIVISION**

SHEET NO.

**14  
OF  
23**

V:\CADD\AS-BUILT DWG\2003\_12\_18 Finals\TBS\Plans\Drawg\01075-XS3.dwg





Scale: Horz. - 1"=100'  
Vert. - 1"=10'

STA. 159+00 - END BEACH FILL

AS-BUILT

SEE SHEETS 28 & 29

#### NOTES:

1) VERTICAL DATUM - NAVD 88

10/23/02	Final Revisions	KSP	DFB
DATE	REVISIONS	DRAWN BY	APPROVED BY



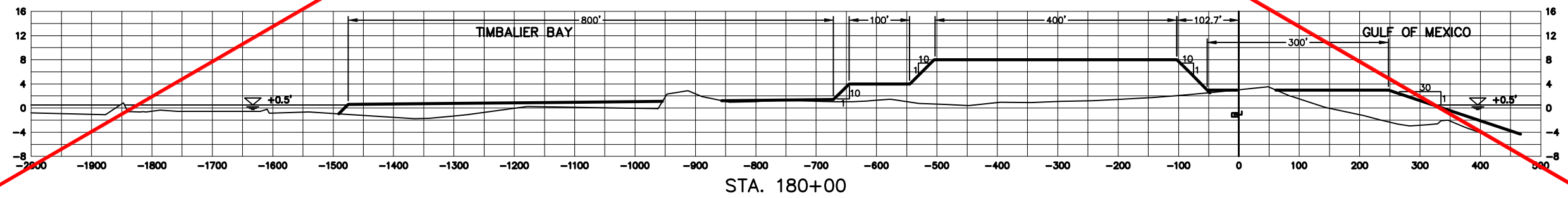
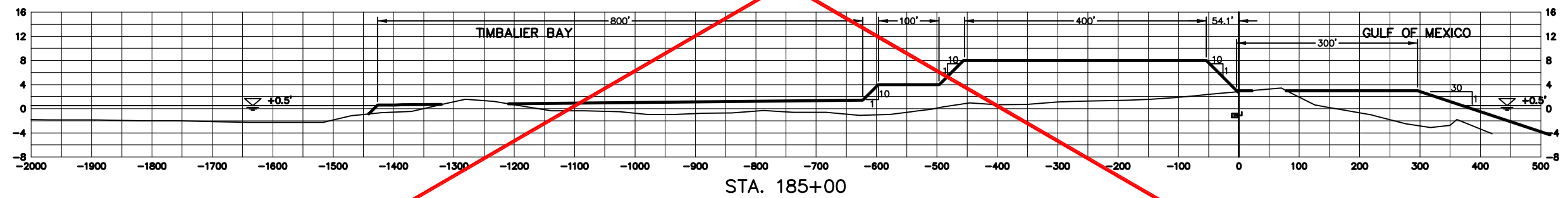
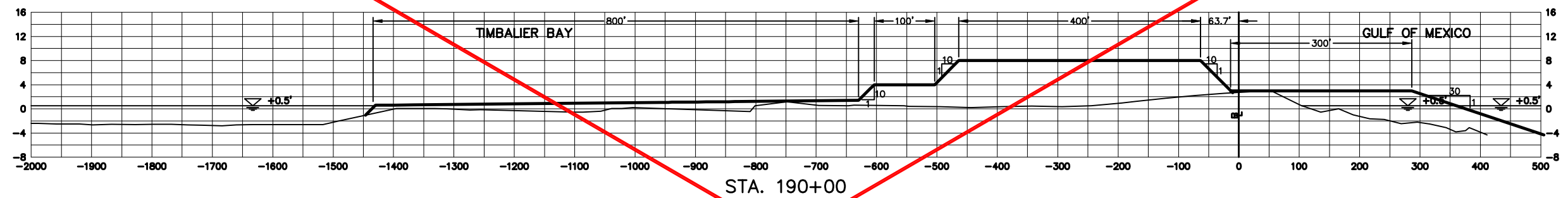
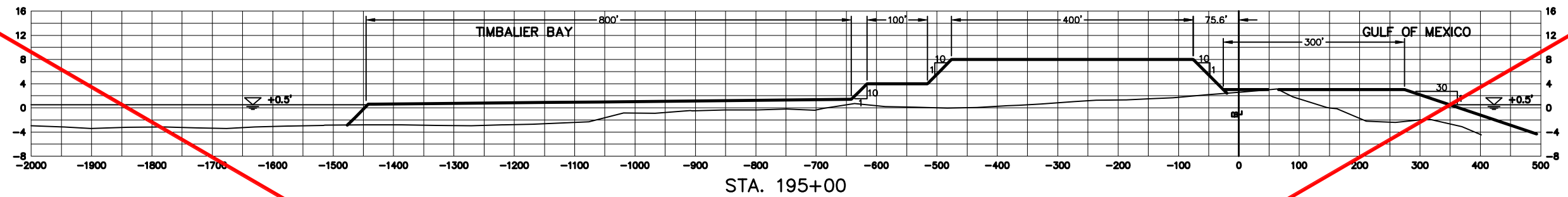
FILE NAME:	01075-XS4.DWG
TBS NO.:	E2001-075
DATE:	08/01/02
PLOT SCALE:	1" = 100'
DRAWN BY:	KSP
APPROVED:	DFB
MAP NO.	

#### CROSS SECTIONS

**TIMBALIER ISLAND DUNE / MARSH  
RESTORATION PROJECT (TE-40)**  
ENGINEERING CONTRACT NO. - 2511-02-05  
DEPARTMENT OF NATURAL RESOURCES  
COASTAL RESTORATION DIVISION

SHEET NO.  
**15**  
OF  
**23**





Scale: Horz. - 1"=100'  
Vert. - 1"=10'

AS-BUILT

SEE SHEETS 29 & 30

#### NOTES:

1) VERTICAL DATUM - NAVD 88

10/23/02	Final Revisions	KSP	DFB
DATE	REVISIONS	DRAWN BY	APPROVED BY



FILE NAME:	01075-XS5.DWG
TBS NO.:	E2001-075
DATE:	08/02/02
PLOT SCALE:	1" = 100'
DRAWN BY:	KSP
APPROVED:	DFB
MAP NO.	

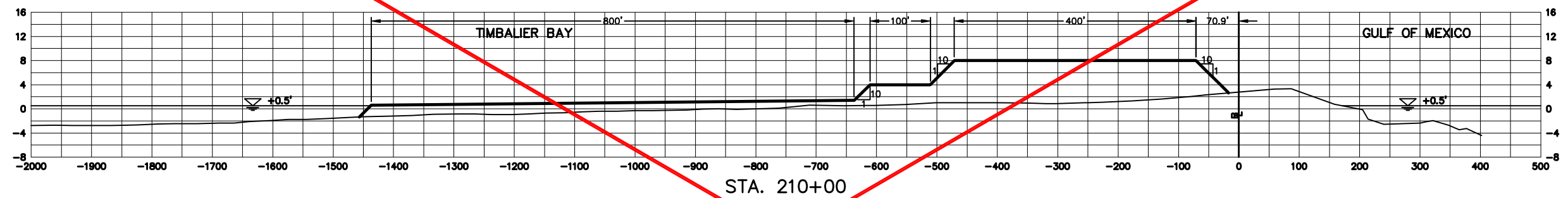
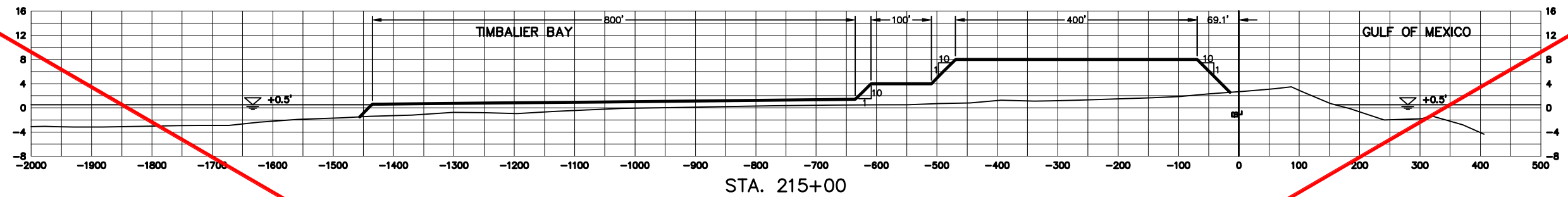
#### CROSS SECTIONS

**TIMBALIER ISLAND DUNE / MARSH  
RESTORATION PROJECT (TE-40)  
ENGINEERING CONTRACT NO. - 2511-02-05  
DEPARTMENT OF NATURAL RESOURCES  
COASTAL RESTORATION DIVISION**

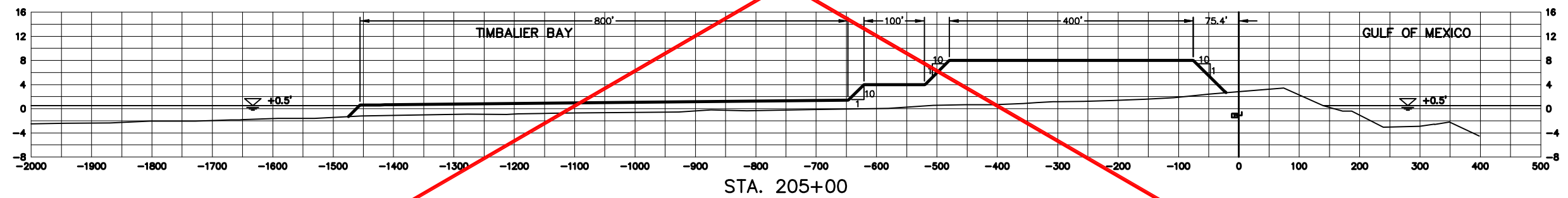
SHEET NO.

**16  
OF  
23**

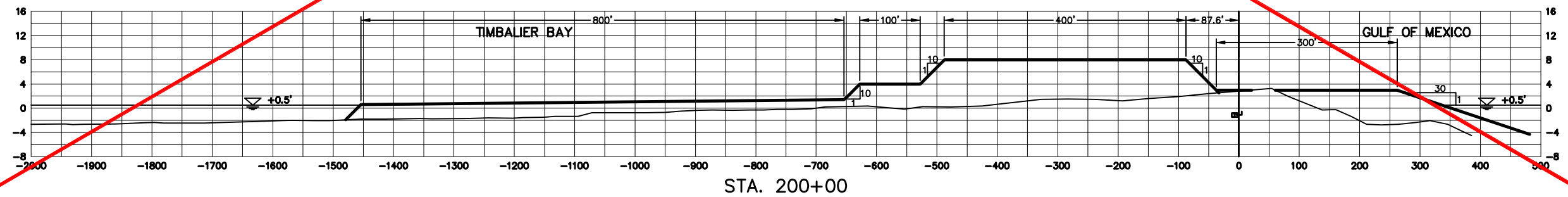




STA. 206+00 – END PROPOSAL A; CONTINUE WITH PROPOSAL B



STA. 203+00 – BEGIN BEACH FILL



Scale: Horz. – 1"=100'  
Vert. – 1"=10'

AS-BUILT

SEE SHEETS 30 & 31

NOTES:

1) VERTICAL DATUM - NAVD 88

10/23/02	Final Revisions	KSP	DFB
DATE	REVISIONS	DRAWN BY	APPROVED BY
REVISIONS			



FILE NAME:	01075-XS6.DWG
TBS NO.:	E2001-075
DATE:	08/02/02
PLOT SCALE:	1" = 100'
DRAWN BY:	KSP
APPROVED:	DFB
MAP NO.	

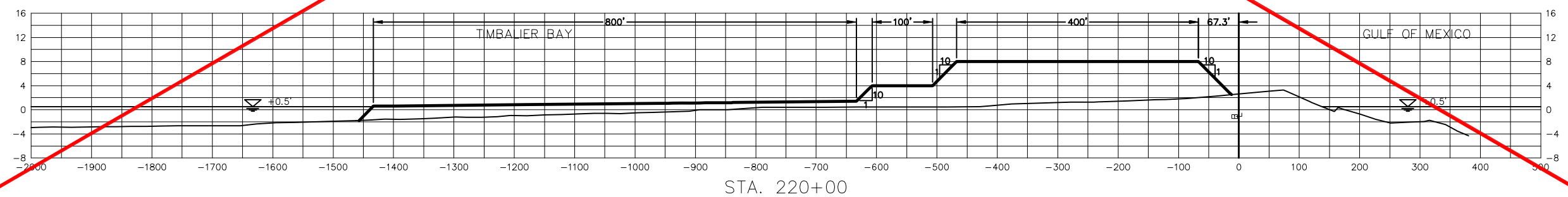
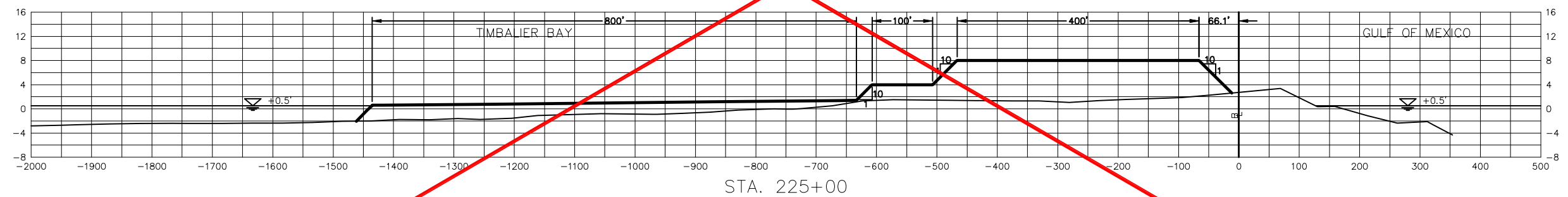
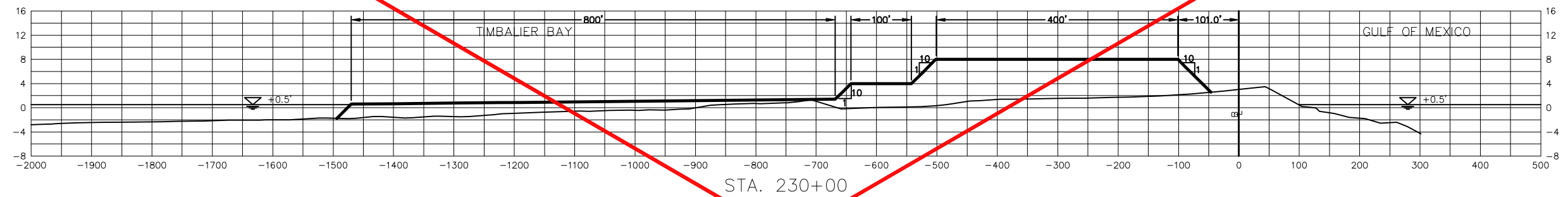
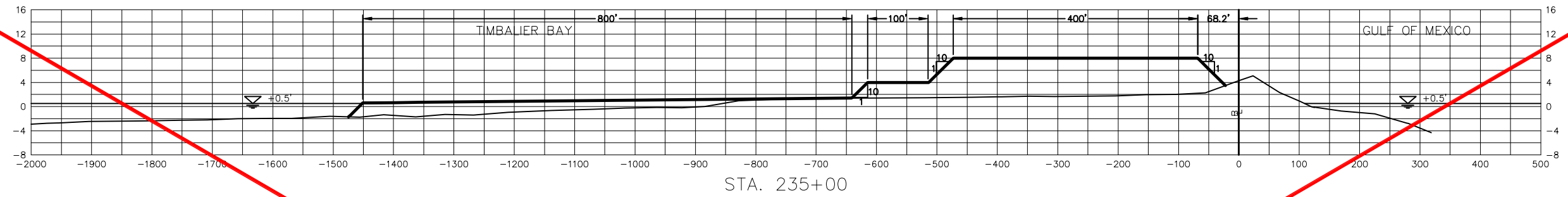
CROSS SECTIONS

**TIMBALIER ISLAND DUNE / MARSH  
RESTORATION PROJECT (TE-40)**  
ENGINEERING CONTRACT NO. - 2511-02-05  
DEPARTMENT OF NATURAL RESOURCES  
COASTAL RESTORATION DIVISION

SHEET NO.  
**17**  
OF  
**23**

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Scale: Horz. - 1"=100'  
Vert. - 1"=10'

AS-BUILT

NOTES:

1) VERTICAL DATUM - NAVD 88

10/23/02	Final Revisions	KSP	DFB
DATE	REVISIONS	DRAWN BY	APPROVED BY
REVISIONS			



FILE NAME:	01075-XS7.DWG
TBS NO.:	E2001-075
DATE:	08/02/02
PLOT SCALE:	1" = 100'
DRAWN BY:	KSP
APPROVED:	DFB
MAP NO.	

CROSS SECTIONS

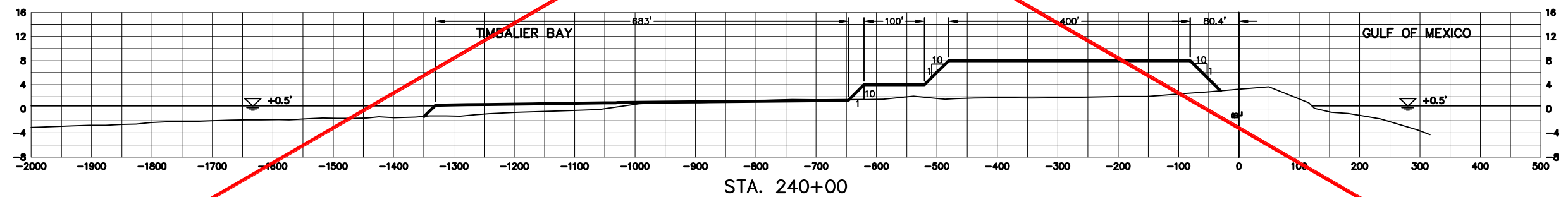
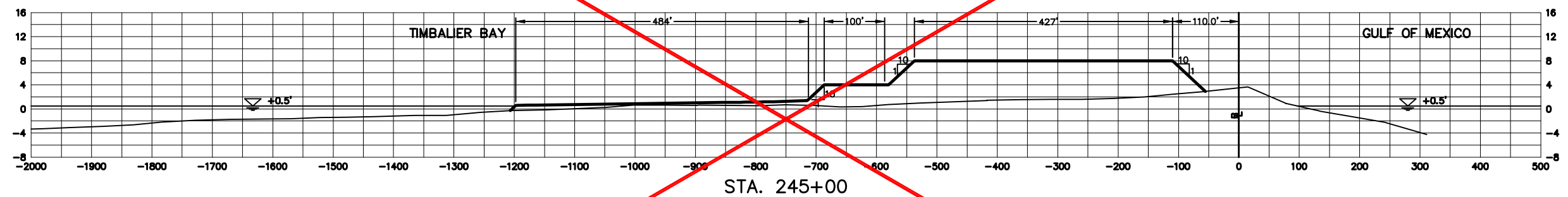
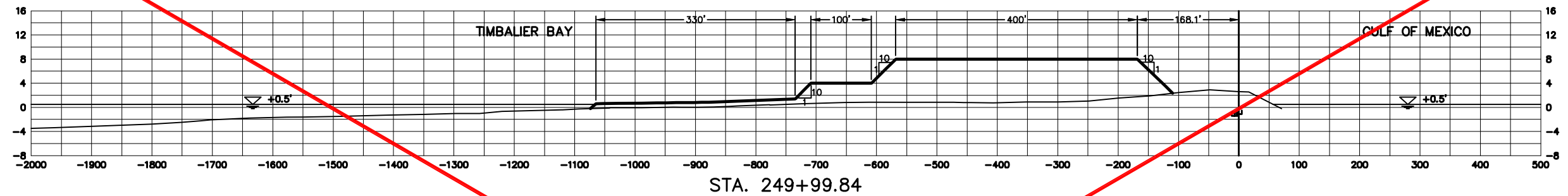
TIMBALIER ISLAND DUNE / MARSH  
RESTORATION PROJECT (TE-40)  
ENGINEERING CONTRACT NO. - 2511-02-05  
DEPARTMENT OF NATURAL RESOURCES  
COASTAL RESTORATION DIVISION

SHEET NO.

18  
OF  
23

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Scale: Horz. - 1"=100'  
Vert. - 1"=10'

AS-BUILT

#### NOTES:

1) VERTICAL DATUM - NAVD 88

10/23/02	Final Revisions	KSP	DFB
DATE	REVISIONS	DRAWN BY	APPROVED BY
REVISIONS			



FILE NAME:	01075-XS8.DWG
TBS NO.:	E2001-075
DATE:	08/02/02
PLOT SCALE:	1" = 100'
DRAWN BY:	KSP
APPROVED:	DFB
MAP NO.	

#### CROSS SECTIONS

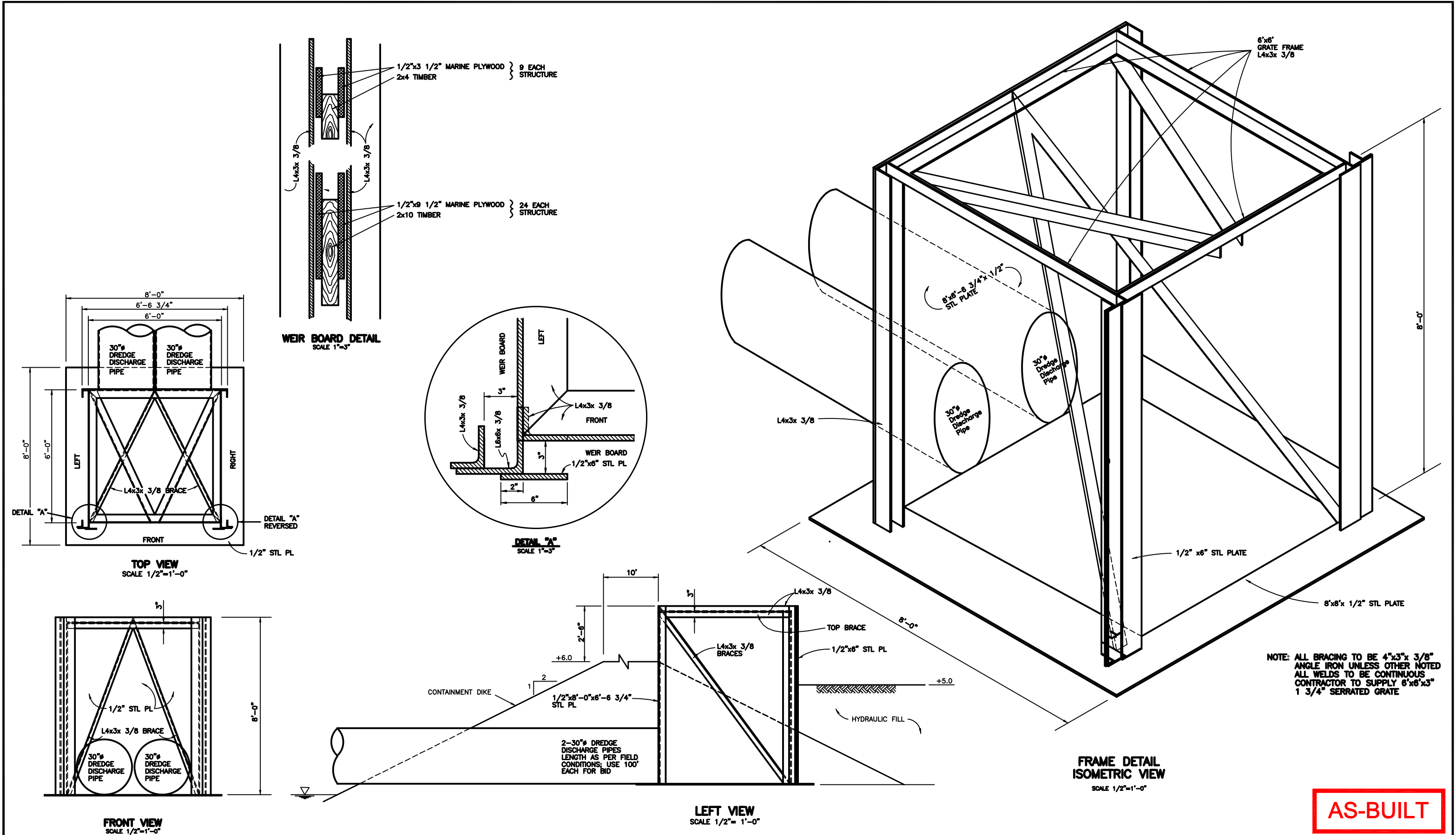
TIMBALIER ISLAND DUNE / MARSH  
RESTORATION PROJECT (TE-40)  
ENGINEERING CONTRACT NO. - 2511-02-05  
DEPARTMENT OF NATURAL RESOURCES  
COASTAL RESTORATION DIVISION


SHEET NO.

19  
OF  
23

V:\CADD\AS-BUILT DWG\2003\_12\_18 Finals\TBS\Plans\Drawg\01075-XS8.dwg



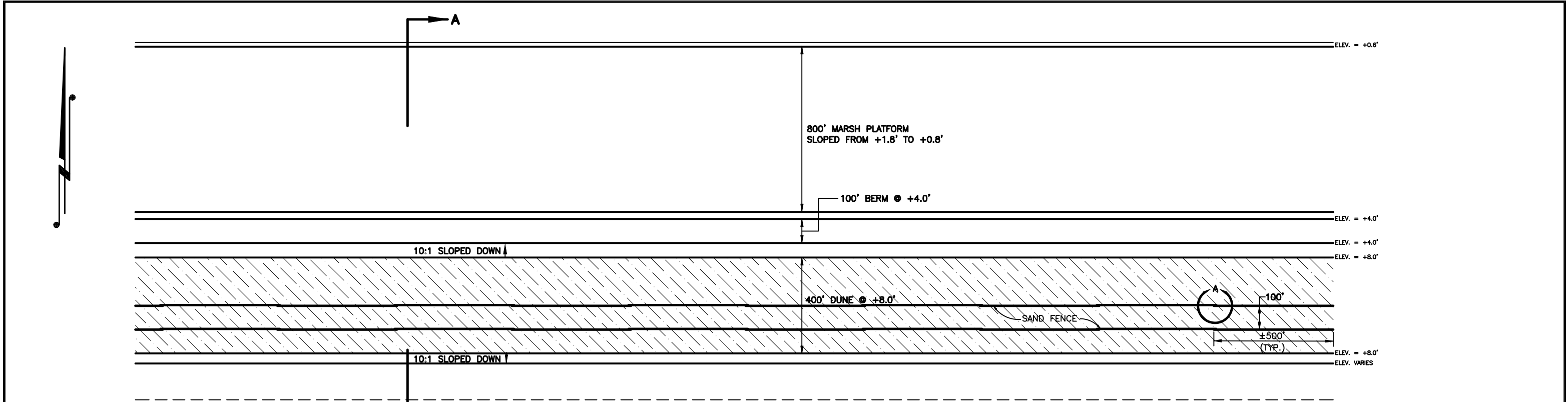


NOTES:				<div> <b>T. BAKER SMITH &amp; SON, INC.</b> SURVEYING - ENGINEERING - ENVIRONMENTAL SERVICES P.O. BOX 2266 HOUMA, LOUISIANA 70361 (985) 868-1050    <a href="http://www.tbsmith.com">http://www.tbsmith.com</a></div>	<div>FILE NAME: 01075-WeirBox</div> <div>TBS NO.: E2001-075</div> <div>DATE: 08/19/02</div> <div>PLOT SCALE: 1=24</div> <div>DRAWN BY: KSP</div> <div>APPROVED: DFB</div> <div>MAP NO.</div>	<div>OVERFLOW WEIR BOX AND DETAILS</div> <div>TIMBALIER ISLAND DUNE / MARSH RESTORATION PROJECT (TE-40) ENGINEERING CONTRACT NO. - 2511-02-05 DEPARTMENT OF NATURAL RESOURCES COASTAL RESTORATION DIVISION</div>	<div>SHEET NO.</div> <div>20</div> <div>OF</div> <div>23</div>

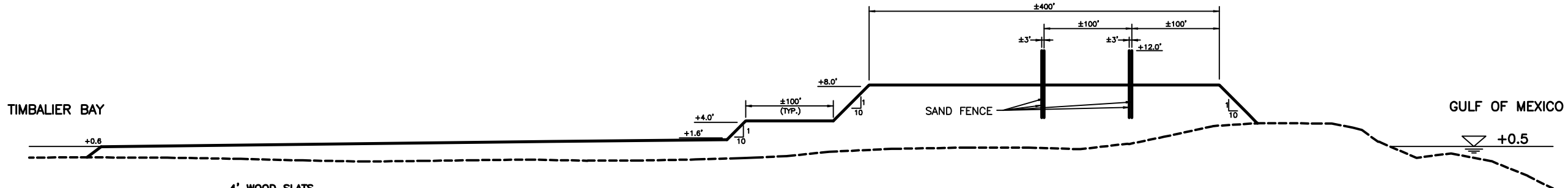
**AS-BUILT**

V:\CAD\AS-BUILT DWG\92003\_12\_18 Final\TBS\Plans\DWG\01075-WeirBox.dwg

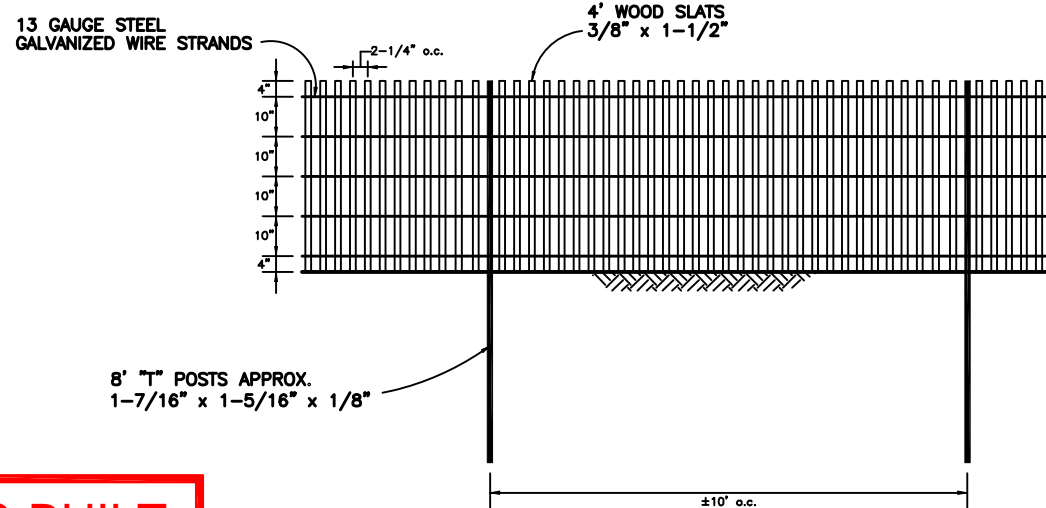




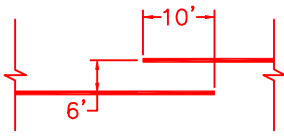
PLAN VIEW OF SAND FENCE  
TIMBALIER ISLANDS  
SCALE: 1" = 200'



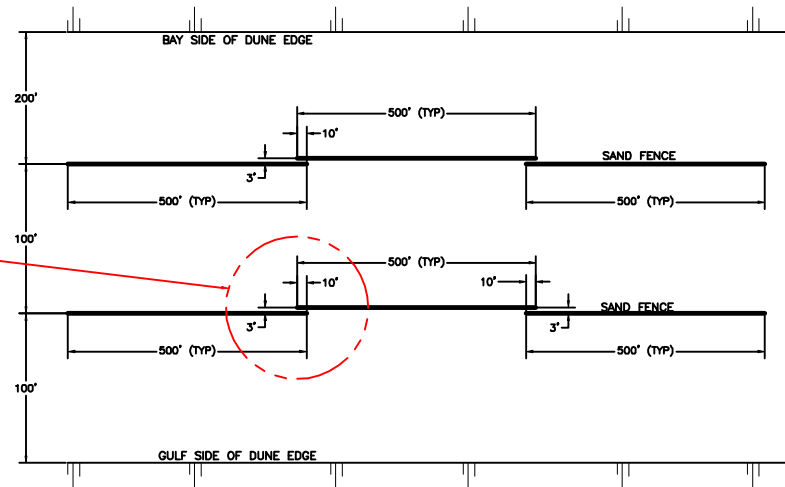
SECTION A - A  
N.T.S.



SAND FENCE DETAIL  
SCALE: 1" = 2'



NOTE:  
6' SPACING BETWEEN SAND FENCING  
BEGINNING @ STATION 132+25  
FROM THE WEST TO THE EAST



DETAIL 'A'  
not to scale

AS-BUILT

NOTES:

1) VERTICAL DATUM - NAVD 88

2) SAND FENCING SHALL BE PARALLEL WITH THE DUNE AND SHALL BE PLACED THE ENTIRE LENGTH OF THE DUNE.

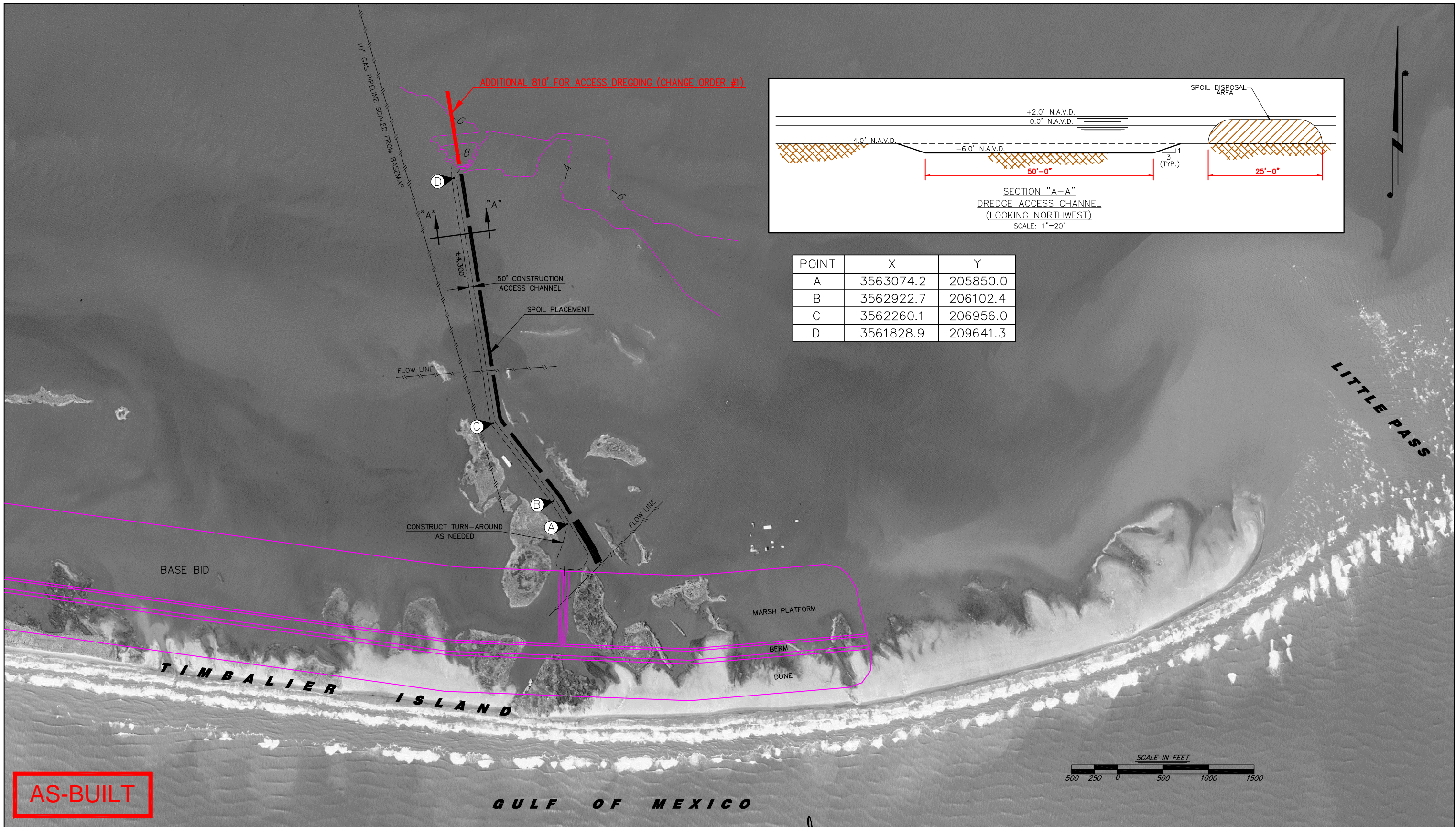
03/29/05	AS-BUILT REVISIONS	MJC	JMP	
11/03/03	Revised Sand Fencing Detail	KSP	DFB	
10/23/02	Final Revisions	KSP	DFB	
DATE	REVISIONS	DRAWN BY	APPROVED BY	
	REVISIONS			

T. BAKER SMITH & SON, INC.

SURVEYING - ENGINEERING - ENVIRONMENTAL SERVICES  
P.O. BOX 2266 HOUMA, LOUISIANA 70361  
(985) 868-1050 http://www.tbsmith.com

FILE NAME: 01075-Sand Fence	TYPICAL SAND FENCING LAYOUT	SHEET NO <div>21</div> OF <div>23</div>
TBS NO.: E2001-075	TIMBALIER ISLAND DUNE / MARSH RESTORATION PROJECT (TE-40) ENGINEERING CONTRACT NO. - 2511-02-05 DEPARTMENT OF NATURAL RESOURCES COASTAL RESTORATION DIVISION	
DATE: 08/15/02		
PLOT SCALE: 1"=100'		
DRAWN BY: KSP		
APPROVED: DFB		
MAP NO.		

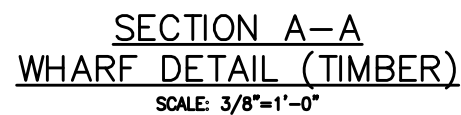




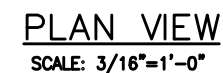
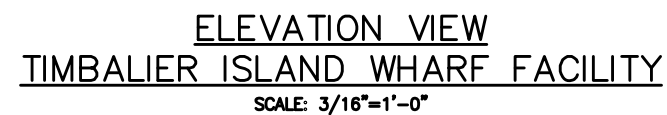
NOTES: 1) Aerials flown on October 14, 2001. at an altitude of 18,000'.  2) HORIZONTAL DATUM - NAD 83 VERTICAL DATUM - NAVD 88						<div><div><div></div><div></div></div><div>MARC J. ROGERS REG. No. 16940 REGISTERED PROFESSIONAL ENGINEER IN LOUISIANA CIVIL ENGINEERING</div></div>	<div><div><div></div><div></div></div><div>T. BAKER SMITH &amp; SON, INC. SURVEYING - ENGINEERING - ENVIRONMENTAL SERVICES P.O. BOX 2266 HOUMA, LOUISIANA 70361 (985) 868-1050 http://www.tbsmith.com</div></div>	FILE NAME: 01075-Access	CONSTRUCTION ACCESS AND BUCKET DREDGE DETAILS		SHEET NO. <div>22</div> <div>OF</div> <div>23</div>
			TBS NO.: E2001-075								
			DATE: 08/16/02								
			PLOT SCALE: 1"=500'								
			DRAWN BY: KSP								
	03/29/05	AS-BUILT REVISIONS	MJC	JMP					TIMBALIER ISLAND DUNE / MARSH RESTORATION PROJECT (TE-40) ENGINEERING CONTRACT NO. - 2511-02-05 DEPARTMENT OF NATURAL RESOURCES COASTAL RESTORATION DIVISION		
	03/09/04	Addendum No. 1 Revisions	STG	DFB							
	10/23/02	Final Revisions	KSP	DFB							
	DATE	REVISIONS	DRAWN BY	APPROVED BY							
		REVISIONS									

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- 1) DIMENSIONS SHOWN ARE PLAN DIMENSIONS AND ALLOWANCES MAY BE MADE TO ADJUST TO FIELD CONDITIONS WITH THE APPROVAL OF THE ENGINEER.
- 2) ALL TREATED TIMBER AND PILES SHALL BE NEW, GRADE 2 OR BETTER SIZED AS SHOWN. 20 PCF CREOSOTE OR 2.5 PCF CCA TREATMENT AS CALLED FOR IN THE PLANS.
- 3) DECK BOARDS SHALL BE 3"x12"x8' 2.5 PCF CCA TREATMENT GRADE 2 OR BETTER, FINISHED ON FOUR SIDES (S4S)
- 4) ALL HARDWARE AND MATERIALS FOR ALL SPLICE CONNECTIONS ARE TO BE INSTALLED AT NO DIRECT PAY.
- 5) ALL GALVANIZED STEEL HARDWARE SHALL BE HOT-DIPPED GALVANIZED, SIZED AS REQUIRED IN THE FIELD. BOLTS SHALL BE ASTM A-307.
- 6) ALL TIMBER SHALL BE CREOSOTE TREATED UNLESS DESIGNATED ON PLANS ABOVE.



## AS-BUILT

DATE	REVISIONS	DRAWN BY	APPROVED BY
REVISIONS			



**WHARF DETAILS**

**TIMBALIER ISLAND DUNE / MARSH  
RESTORATION PROJECT (TE-40)  
ENGINEERING CONTRACT NO. - 2511-02-05  
DEPARTMENT OF NATURAL RESOURCES  
COASTAL RESTORATION DIVISION**

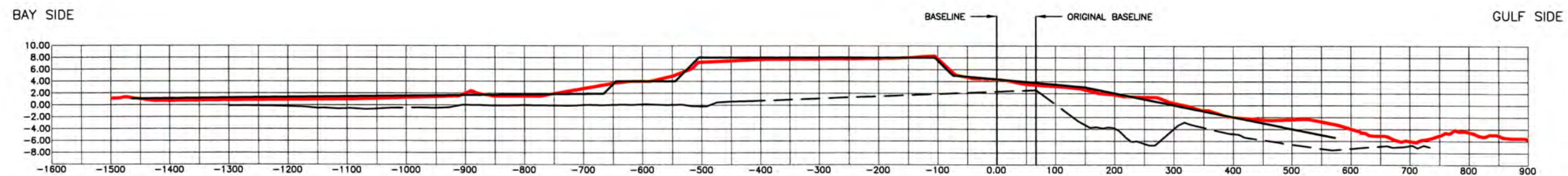
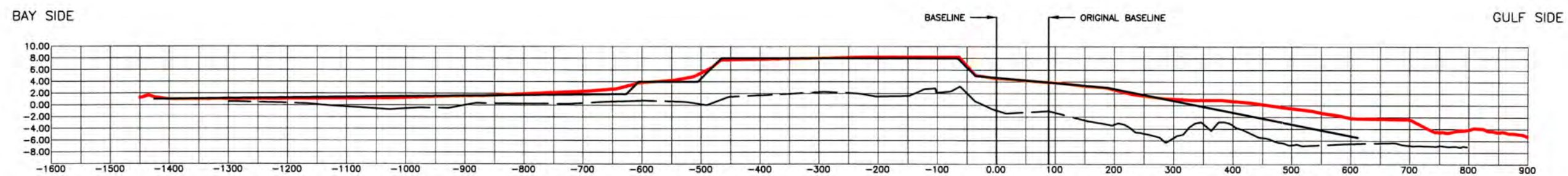
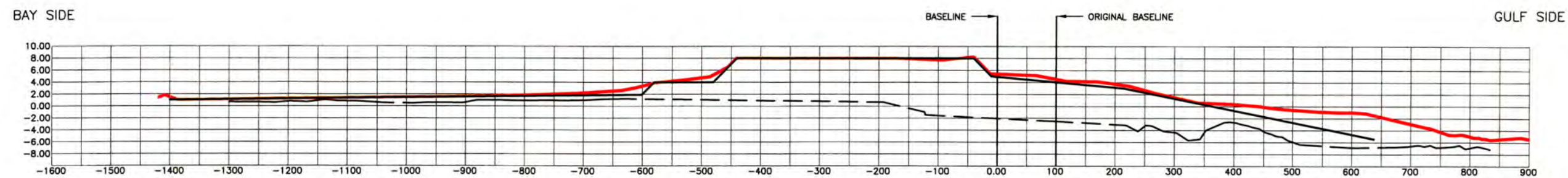
SHEET NO.  
**23**  
OF  
**23**

V:\CAD\AS-Building\DWG\S\2003-12-18 Final\TRB\Plans\Drawn\1075-Wharf.dwg











HORIZONTAL  
SCALE: 1" = 200'




200' 100' 0 200' 400'

VERTICAL  
SCALE: 1" = 20'



20' 10' 0 20' 40'

[illegible]

**Shaw®** Shaw Coastal, Inc.

MAIN OFFICE LOCATION: 197 ELYSIAN DRIVE HOUMA, LA 70363	PHONE: (805) 868-3434 FAX: (805) 868-8513		AN ADDITIONAL OFFICE IN WESTMECO, LA	
	DESIGNED BY: X CHECKED BY: JAP DRAWN BY: JAP	PLAT SCALE: 1:200 DATE: 03/29/03	DESIGN FILE NAME: X SUBMITTED BY: DATE:	SO PROJECT NO: 2272

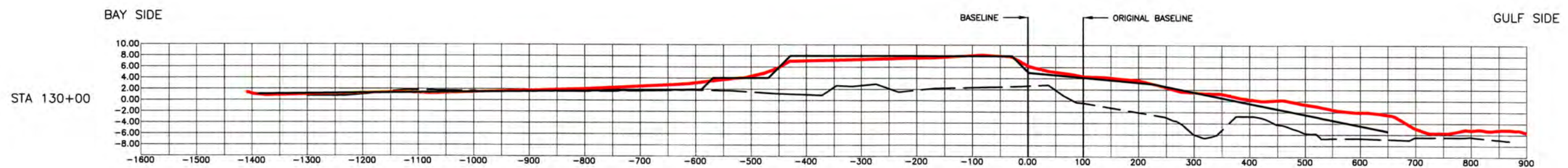
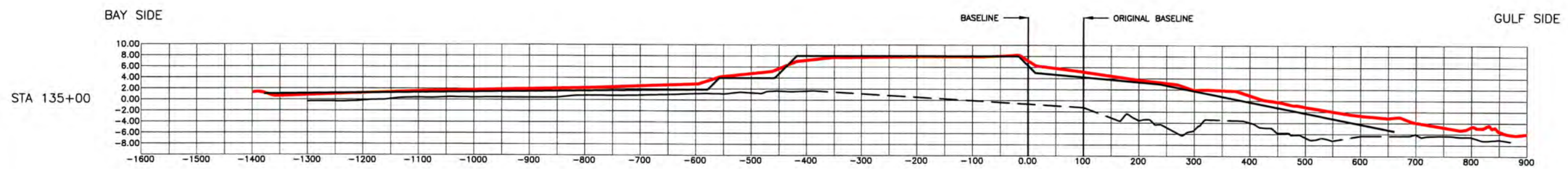
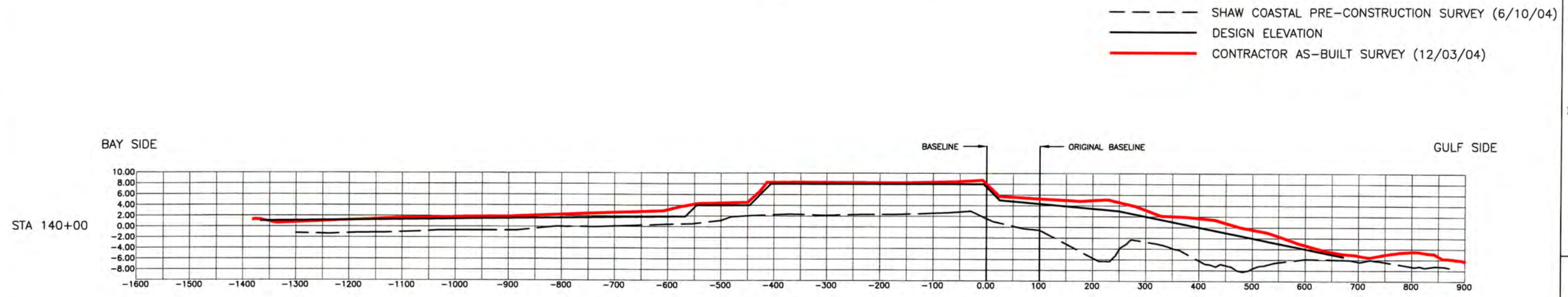
**A**

**TIMBALIER ISLAND  
DUNE/MARSH RESTORATION  
PROJECT - TE - 40 - SURVEY  
AS-BUILT  
CROSS SECTIONS 2**

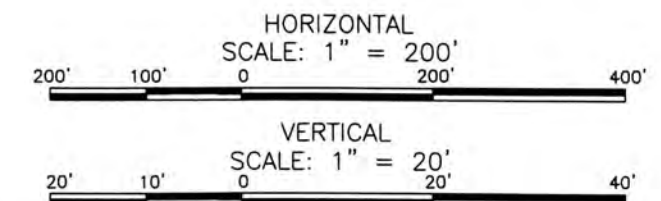
SHEET  
NUMBER  
25  
DWG. 2 OF 8

THE 100TH: A 100th Anniversary of the 100th Division, 1917-1919





## AS-BUILT

[illegible]

<b>MAIN OFFICE LOCATION:</b> 197 ELYSIAN DRIVE HOUMA, LA. 70363		PHONE: (985) 868-3434 FAX: (985) 868-8513		AN ADDITIONAL OFFICE IN WESTMEAD, LA.	
DESIGNED BY: X	PLOT SCALE: 1-200	PLOT DATE: 03/29/05	DESIGN FILE NAME: X	SUBMITTED BY: .....	SCI PROJECT NO. 2272
CHECKED BY: AMP	DATE: 03/29/05	DRAWN BY: MLC	..... PERSON NUMBER		

**TIMBALIER ISLAND  
DUNE/MARSH RESTORATION  
PROJECT - TE - 40 - SURVEY  
AS-BUILT  
CROSS SECTIONS 3**

**SHEET  
NUMBER**  
26  
DWG. 3 OF 8

























