

RECEIVED
DEC 04 2000
GENERAL LAND OFFICE

December 1, 2000

David Dewhurst, Commissioner
Texas General Land Office
1700 North Congress Avenue, Room 812
Austin, Texas 78701

C/O Mr. Ben Thompson, Director of Surveying.

Re: Shoreline survey west shore Puerto Bay, Aransas County, Texas.

Dear Ben:

I am herewith submitting a survey and report along with aerial photographs for a shoreline survey of a 10,643.041 acre tract of land, out of the Fifth and Sixth Subdivisions of the Taft Farm Lands, maps of which are recorded in the records of San Patricio and Aransas Counties, Texas. Specific descriptions are found on the face of the above referenced drawing.

The subject property adjoins the western shoreline of Puerto Bay State Submerged Tracts 1, 2, 3 and 4. The property is being sold and the owner is requesting approval of the subject shoreline boundary pursuant to Section 33.136, Natural Resources Code, V.T.C.A.

Thank You:

George M Pyle
George M. Pyle
R.P.L.S. No. 1258 - L.S.L.S.

Aransas Co. NRC Article 33.136 Sketch 7
File No. Sketch File 39B
ARANSAS County
Letter of Transmittal - 10,643.041 Ac.
Date Filed: June 28, 2001
By David Dewhurst, Commissioner
Douglas Howard

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counter 13563

File No. Sketch File 396 Aransas Co. NRC Article 33.136 Sketch 7

ARANSAS County

Report - Shoreline Boundary
Survey Report - 10,643.041 ac.

Date Filed: June 28, 2001

David Dewhurst, Commissioner

December 1, 2000

By Douglas Howard

Shoreline Boundary Survey Report

The upland tract being surveyed is described as:

BEING A 10,643.041 ACRE TRACT OF LAND, OUT OF LOTS 6,8 & 10, SECTION 46, LOTS 1 & 3, SECTION 49, FIFTH SUBDIVISION OF THE TAFT FARM LANDS, A MAP OF WHICH IS RECORDED IN VOLUME 1, PAGES 46 & 47, OF THE MAP RECORDS OF ARANSAS COUNTY, TEXAS AND ALSO RECORDED IN VOLUME 2, PAGE 39-C, OF THE MAP RECORDS OF SAN PATRICIO COUNTY, TEXAS, A REPRINT OF SAME RECORDED IN VOLUME 4, PAGE 47, MAP RECORDS OF SAN PATRICIO COUNTY, TEXAS, AND BEING OUT OF FRACTIONAL SECTION 46, LOTS 2,4,5,6,7 & 8, SECTION 49, ALL OF SECTIONS 52, 56, 58, 59, 64 THRU 73, 75 THRU 78 AND PORTIONS OF SECTION 81, SIXTH SUBDIVISION OF THE TAFT FARM LANDS, A MAP OF WHICH IS RECORDED IN VOLUME 1, PAGE 50, MAP RECORDS OF ARANSAS COUNTY, TEXAS AND ALSO RECORDED IN VOLUME 2, PAGE 33-A, OF THE MAP RECORDS OF SAN PATRICIO COUNTY, TEXAS AND BEING ALL OF THOSE CERTAIN TRACTS OF LAND, DESIGNATED AS TRACTS 1 AND 2, AS DESCRIBED IN VOLUME 137, PAGE 239, OF THE DEED RECORDS OF ARANSAS COUNTY, TEXAS AND BEING ALL OF THAT CERTAIN 945.14 ACRE TRACT OF LAND DESCRIBED IN VOLUME 507, PAGE 253, OF THE DEED RECORDS OF SAN PATRICIO COUNTY, TEXAS, ALL SITUATED IN AND OUT OF SAID SAN PATRICIO AND ARANSAS COUNTIES, TEXAS.

The eastern boundary of this property adjoins Puerto Bay State Submerged Land Tracts 1,2,3 and 4. The southern portion of this shoreline survey overlaps a previous survey submitted to the General Land Office and filed as "Aransas County Rolled Sketch No. 5".

A Mean High Water (MHW) level was established by observing a staff gauge, at the site for a period of seventy-two (72) hours and comparing the results with Operative Base Network Control Station, designated NOAA 87745131, located at the south end of Copano Bay State Fishing Pier. This station is also designated by the Conrad Blucher Institute as "Copano Bay" ID No. 036. The elevation of MHW was established as 0.2 feet, NAVD 88, by running levels from NGS vertical monument F 603 RESET (third order), which has a published elevation of 7.7 feet. This is an adjusted value from a superseded elevation of 8.2 feet, NGVD 29.

The subject shoreline is approximately five (5) miles in length and has multiple characteristics. The shoreline is predominantly a vertical cut bank approximately eighteen (18) inches high and this bank was used as the shoreline where it occurred. There are isolated stretches of variable height bank with sloping beaches. Also some areas are wide sloping beaches subject to inundation and covered with aquatic vegetation. The shoreline on the latter locations was established by elevation 0.2 NAVD 88.

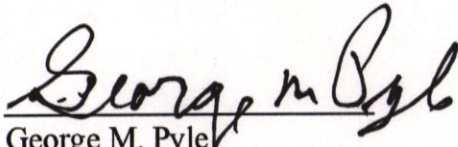
counter 13564

Artificial fill covers a portion of the Puerto Bay Submerged Tract 3, where an existing bridge crossing for State Highway No. 188 is located. The limits of this fill are outlined on the survey plat provided. This fill area exists without benefit of an existing easement from the General Land Office. I am also submitting under separate cover a survey of both shorelines affected by this bridge crossing. This second survey is being conducted for the Texas Highway Department in accordance with requirements for application to lease the submerged lands affected by the bridge, if needed.

In addition to the attached survey plat, I am including the following exhibits:

Exhibit No. 1: Tobin International Aerial Photo 1140-035, Dated 08-03-30, on a scale of 1" = 500'±.

Exhibit No. 2: Digitized C&GS Aerial Photo L7760, Dated 10-22-65, on a scale of 1" = 1,150±.


George M. Pyle
R.P.L.S. No. 1258 - L.S.L.S.

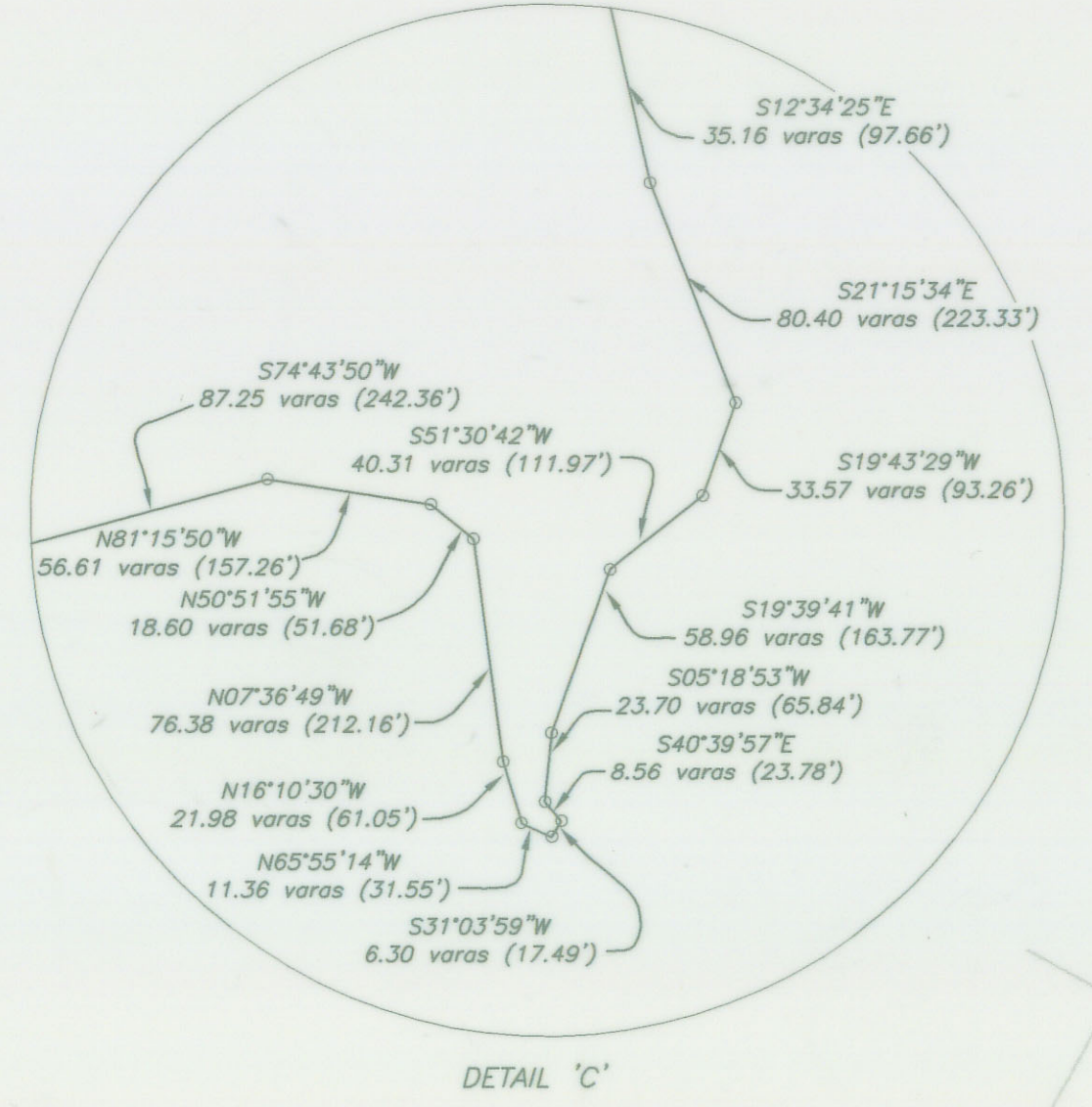
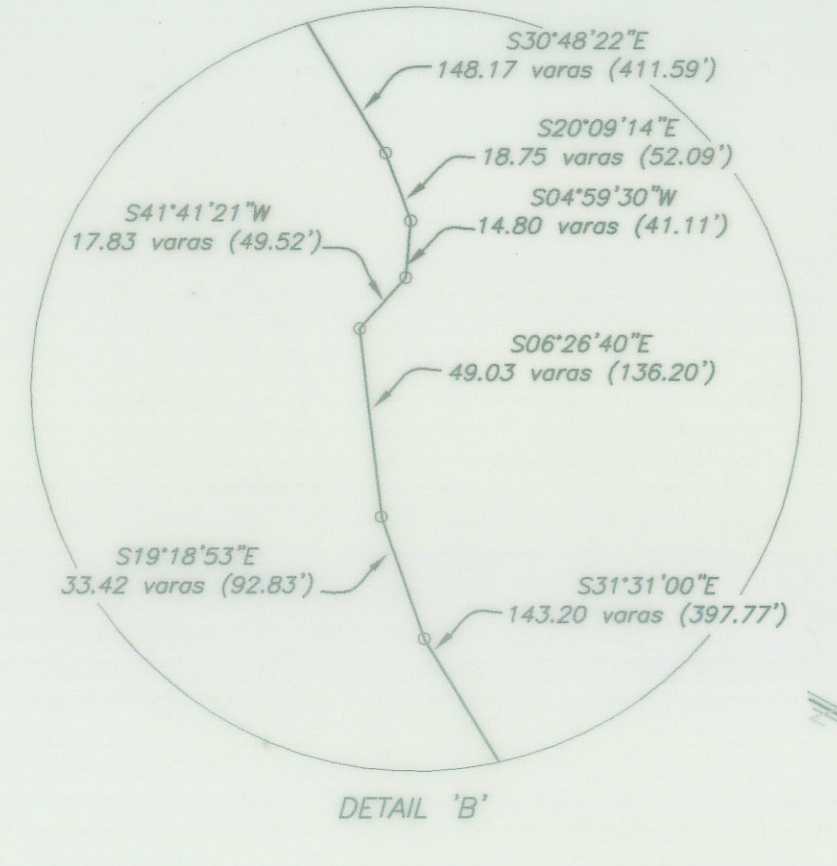
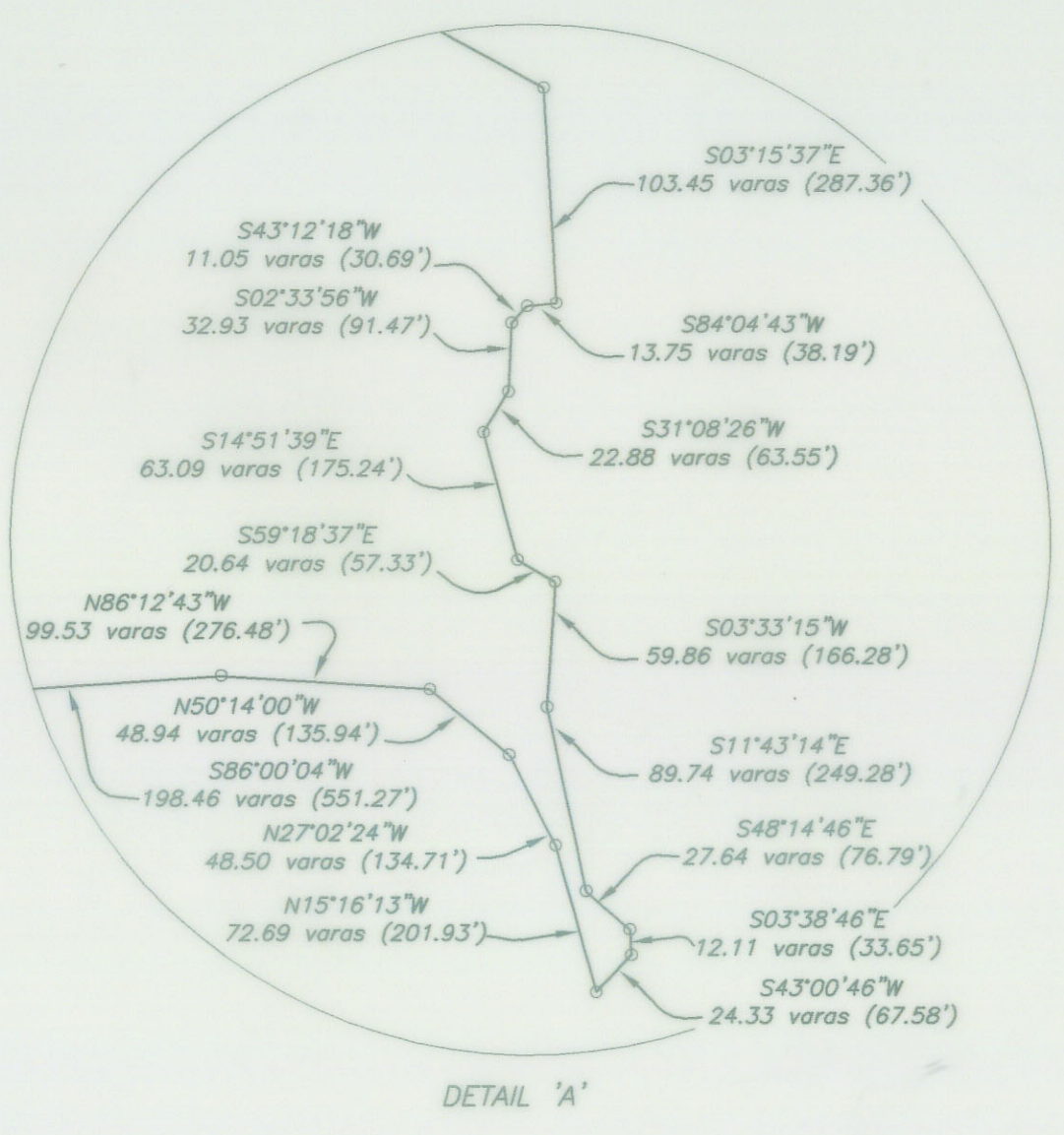
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Arkansas Co. NRC Article 33.136 Sketch 7
File No. Sketch File 396 County

Report Shoreline Boundary
Survey Report - 10,643.041 ac.
Date Filed: June 28, 2001

David Dewhurst, Commissioner
Douglas Howard

counter 13565



Aransas Co. NRE Article 33.13 & sketch?
 File No. Rolled Sketch 32
 APARNSAS
 Shoreline Survey - 10, 643, 041 ac tract of land
 out of Fifth Sixth Subs. of Taft Farm Lands
 Date Filed June 28, 2001
 David D. Downard, Commissioner
 Douglas Howard

- OWNERS:
 TEXAS DEPARTMENT OF TRANSPORTATION
 REYNOLDS METALS COMPANY
- NOTES:
 1. BEARINGS AND COORDINATES ARE SURFACE, ESTABLISHED FROM TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NORTH AMERICAN DATUM OF 1983 AND ESTABLISHED FROM THE FOLLOWING MGS HORIZONTAL MONUMENTS:
 * TRACK 1934
 * BLANCO 2
 2. SHORELINE LOCATED AT VERTICAL CUT BANK AND AT MEAN HIGH WATER AS DETERMINED FROM LOCAL TIDE STAFF READINGS COMPARED TO OPERATIVE BASE NETWORK CONTROL STATION LOCATED AT THE SOUTH END OF COPPING BAY STATE FISHING PIER. STATION DESIGNATION NDM 87745131, MEAN HIGH WATER ELEVATION DETERMINED AS 62.2 FEET MVD (0.7 FEET NOVD) FROM MGS VERTICAL CONTROL MONUMENT DESIGNATED F 603 REST. ELEV. 7.7 FEET MVD 1988.

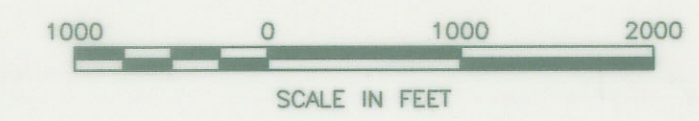
STATE OF TEXAS & COUNTY OF ARANSAS &
 I, GEORGE M. PYLE, LICENSED STATE LAND SURVEYOR, DO HEREBY CERTIFY THAT THE FOREGOING SHORELINE SURVEY WAS MADE ON THE GROUND UNDER MY SUPERVISION, AND THAT THE LIMITS, BOUNDARIES AND CORNERS, NATURAL AND ARTIFICIAL, ARE TRULY DESCRIBED HEREON TO THE BEST OF MY KNOWLEDGE. THIS IS A NATURAL SHORELINE EXCEPT FOR A PORTION AT THE BRIDGE AS SHOWN.
 George M. Pyle
 GEORGE M. PYLE, R.P.L.S. #258, L.S.L.S.
 13745 EAGLENEST BAY DR.
 CORPUS CHRISTI, TEXAS 784158
 FIELDWORK AND PLATTING CONDUCTED UNDER THE DIRECTION OF DAVID A. PYLE, R.P.L.S. #4700



NEI NAISMITH ENGINEERING, INC.
 ENGINEERING • ENVIRONMENTAL • SURVEYING
 4901 Gallop Rd. Corpus Christi, Texas 78411 (813)-614-8900
 P.O. Box 3009 Corpus Christi, Texas 78402

SHORELINE SURVEY OF SECTIONS 75, 76, 77 AND 78, SIXTH SUBDIVISION OF THE TAFT FARM LANDS, A MAP OF WHICH IS RECORDED IN VOLUME 1, PAGE 50, MAP RECORDS OF ARANSAS COUNTY, TEXAS, AND VOLUME 2, PAGE 33-A, MAP RECORDS OF SAN PATRICIO COUNTY, TEXAS.

Project No: 6413	Date: 1 DEC 2000	Checked By:	Dwg. No. SHORLINE2
Scale: 1"=1000'	Drawn By: MAE/RMW	Approved By:	Sheet 1 Of 1



JOHNNY D. GALBRAITH
 FILE NO. 449381
 R.P.R.S.P.C.T.
 SET 5/8 LR. WITH CAP
 STAMPED "N.E.L. RPLS-4700"
 N 17245246.24
 E 1407836.58





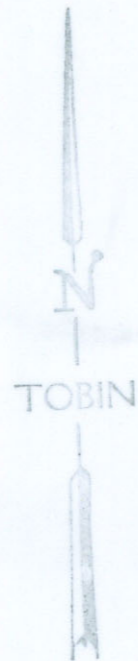
PREPARED BY
TOBIN INTERNATIONAL, LTD
P.O. BOX 839905 SAN ANTONIO, TEXAS

ENLARGEMENT
FROM AERIAL NEGATIVE

1" = 500

PORTION OF
1140-035

08-03-30



Aransas Co. NRC Article 33.136 Sketch 7
File No. Rtd. Sketch 32

ARANSAS County

Exhibit 1

Date Filed: June 28, 2001

David Dowling, Commissioner

Douglas Howard

Counter on front 77501
Counter on back 88351

counter 77501

1" = 1150'

File No. Plot Sketch 22 Maurice G. Norcross 33.134 Section 17
 County ARANSAS
 Exhibit 2
 Date Filed: June 28, 2001
 By David Dewhurst, Commissioner David Dewhurst, Commissioner
Douglas Howard



09/27/99 17072581

FAC 204A.TIF

SCALE 1:1150 2

SCALE 1" = 1150'

counter 77502

File No. NRC Art. 33.136 ^{Sketch 7} Report 2

ARANSAS County

February 14, 2001

Date Filed: 3-20-2002

David Dewhurst, Commissioner
Texas General Land Office
1700 North Congress Avenue, Room 812
Austin, Texas 78701

By David Dewhurst, Commissioner
Douglas Howard

~~See NRC Art. 33.136 Sketch 1-B~~
for sketch 1 and 2

C/O Mr. Ben Thompson, Director of Surveying.

Re: Shoreline survey west shore Puerto Bay, Aransas County, Texas.

Dear Ben:

I am herewith submitting a survey and report along with aerial photographs for a shoreline survey of Sections 75, 76, 77 and 78, Sixth Subdivision of the Taft Farm Lands, a map of which is recorded in Volume 1, Page 50, of the Map Records of Aransas County, Texas and Volume 2, Page 33-A, of the Map Records of San Patricio County, Texas.

The subject property adjoins the western shoreline of Puerto Bay State Submerged Tracts 1, 2, 3 and 4. The property is being sold and the owner is requesting approval of the subject shoreline boundary pursuant to Section 33.136, Natural Resources Code, V.T.C.A.

Thank You:

George M. Pyle

George M. Pyle
R.P.L.S. No. 1258 - L.S.L.S.

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ARANSAS Co.
ARTICLE 33.136
SKETCH 1-A-3

February 14, 2001

**Shoreline Boundary Survey Report
Puerto Bay, Aransas County, Texas**

The upland tract being surveyed is described as:

SHORELINE SURVEY OF SECTIONS 75, 76, 77 AND 78, SIXTH SUBDIVISION OF THE TAFT FARM LANDS, A MAP OF WHICH IS RECORDED IN VOLUME 1, PAGE 50, MAP RECORDS OF ARANSAS COUNTY, TEXAS AND ALSO RECORDED IN VOLUME 2, PAGE 33-A, OF THE MAP RECORDS OF SAN PATRICIO COUNTY, TEXAS.

The eastern boundary of this property adjoins Puerto Bay State Submerged Land Tracts 1,2,3 and 4. The southern portion of this shoreline survey overlaps a previous survey submitted to the General Land Office and filed as "Aransas County Rolled Sketch No. 5".

A Mean High Water (MHW) level was established by observing a staff gauge, at the site for a period of seventy-two (72) hours and comparing the results with Operative Base Network Control Station, designated NOAA 87745131, located at the south end of Copano Bay State Fishing Pier. This station is also designated by the Conrad Blucher Institute as "Copano Bay" ID No. 036. The elevation of MHW was established as 0.2 feet, NAVD 88, by running levels from NGS vertical monument F 603 RESET (third order), which has a published elevation of 7.7 feet. This is an adjusted value from a superseded elevation of 8.2 feet, NGVD 29.

The subject shoreline is approximately five (5) miles in length and has multiple characteristics. The shoreline is predominantly a vertical cut bank approximately eighteen (18) inches high and this bank was used as the shoreline where it occurred. There are isolated stretches of variable height bank with sloping beaches. Also some areas are wide sloping beaches subject to inundation and covered with aquatic vegetation. The shoreline on the latter locations was established by elevation 0.2 NAVD 88.

Artificial fill has been placed over portions of the Puerto Bay Submerged Tract 3, where an existing bridge crossing for State Highway No. 188 is located. The limits of this fill, as digitized from Texas Department of Transportation aerial photos of State Highway No. 188, are outlined on the survey plat provided.

Based on a search of General Land Office records, the fill area appears to exist without benefit of an existing easement. I am also submitting under separate cover a survey of both shorelines affected by this bridge crossing. This second survey is being conducted for the Texas Highway Department to determine right-of-way acquisition requirements from both the General Land Office and the adjacent upland owners.

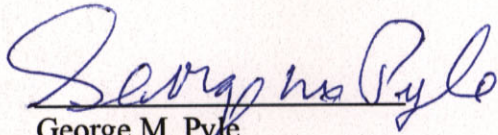
ARANSAS Co.
ARTICLE 33.136
SKETCH ~~44-447~~

In addition to the attached survey plat, I am including the following exhibits:

Exhibit No. 1: Blueline copy of a digitized Tobin International Aerial Photo 1140-035, Dated 08-03-30, on a scale of 1" = 100'±.

Exhibit No. 2: Blueline copy of a Digitized C&GS Aerial Photo L7760, Dated 10-22-65, on a scale of 1" = 1,150'±.

Reproducible versions, on mylar media, of the above described exhibits have been provided as attachments to another survey submitted concurrent with the subject survey.



George M. Pyle
R.P.L.S. No. 1258 - L.S.L.S.

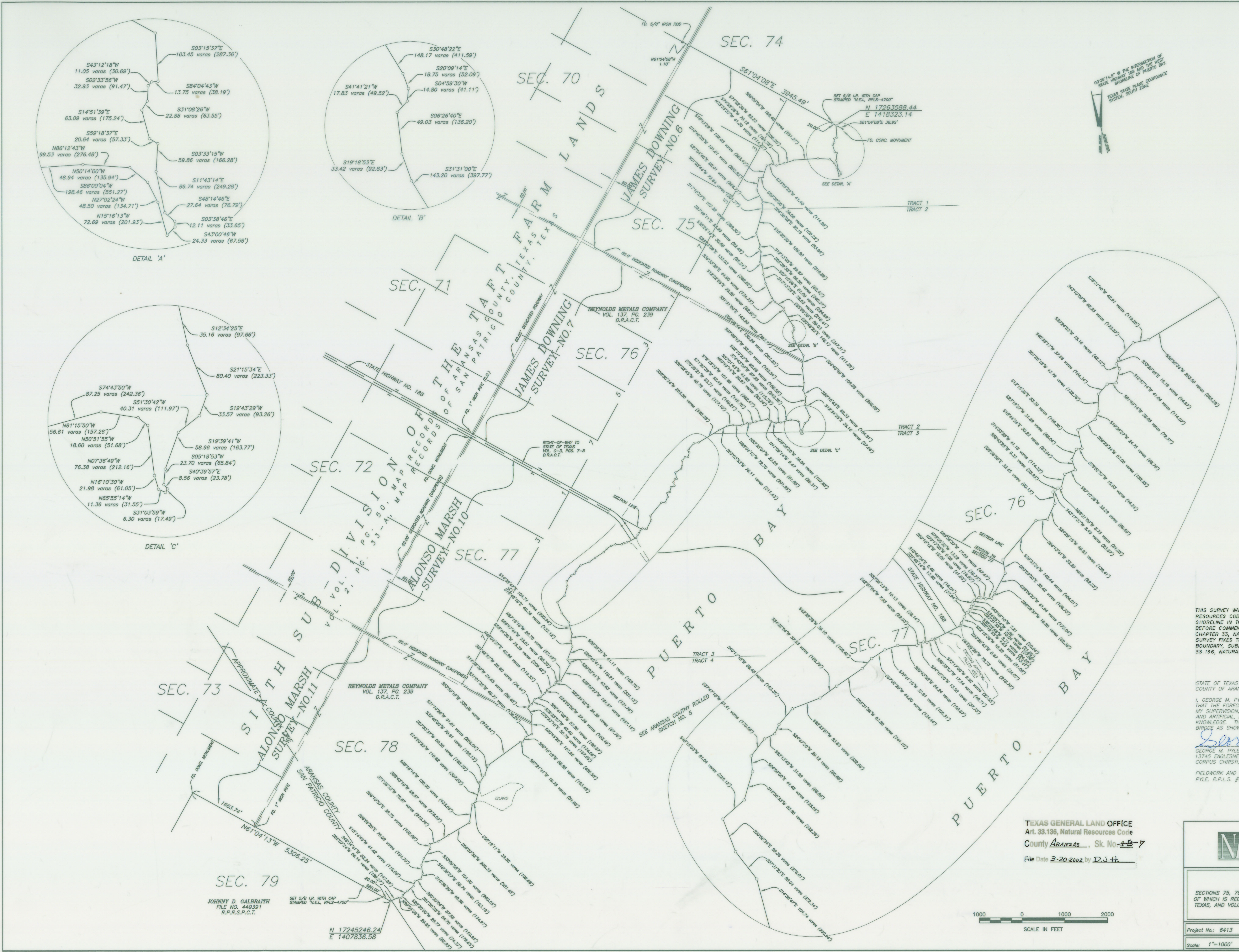
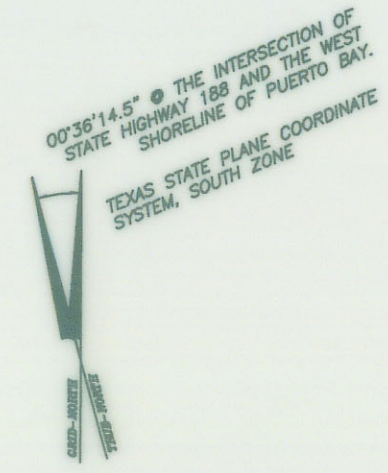
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ARANSAS Co
ARTICLE 33.136
SKETCH ~~4-A-4-B~~ 7



LOCATION MAP NOT TO SCALE



OWNERS:
TEXAS DEPARTMENT OF TRANSPORTATION
REYNOLDS METALS COMPANY

NOTES:
1. BEARINGS AND COORDINATES ARE SURFACE, ESTABLISHED FROM TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NORTH AMERICAN DATUM OF 1983 AND ESTABLISHED FROM THE FOLLOWING NGS HORIZONTAL MONUMENTS:
* TRACK 1934
* BLANCO 2

2. SHORELINE LOCATED AT VERTICAL CUT BANK AND AT MEAN HIGH WATER AS DETERMINED FROM LOCAL TIDE STAFF READINGS COMPARED TO OPERATIVE BASE NETWORK CONTROL STATION, LOCATED AT THE SOUTH END OF COPANO BAY STATE FISHING PIER, STATION DESIGNATION NDM 87745131, MEAN HIGHWATER ELEVATION DETERMINED AS 0.9 FEET NAVD (0.9 FEET NAVD) FROM NGS VERTICAL CONTROL MONUMENT DESIGNATED F 603 RESET, ELEV. 7.7 FEET NAVD 1988.

THIS SURVEY WAS PERFORMED IN ACCORDANCE WITH SECTION 33.136, NATURAL RESOURCES CODE, FOR THE PURPOSE OF EVIDENCING THE LOCATION OF THE SHORELINE IN THE AREA DEPICTED IN THIS SURVEY AS THAT SHORELINE EXISTED BEFORE COMMENCEMENT OF EROSION RESPONSE ACTIVITY, AS REQUIRED BY CHAPTER 33, NATURAL RESOURCES CODE. THE LINE DEPICTED ON THIS SURVEY FIXES THE SHORELINE FOR THE PURPOSE OF LOCATING A SHORELINE BOUNDARY, SUBJECT TO MOVEMENT LANDWARD AS PROVIDED BY SECTION 33.136, NATURAL RESOURCES CODE.

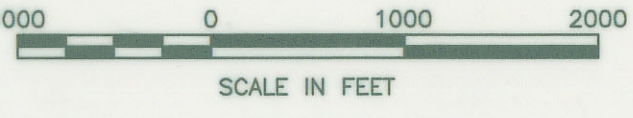
STATE OF TEXAS &
COUNTY OF ARANSAS &

I, GEORGE M. PYLE, LICENSED STATE LAND SURVEYOR, DO HEREBY CERTIFY THAT THE FOREGOING SHORELINE SURVEY WAS MADE ON THE GROUND UNDER MY SUPERVISION, AND THAT THE LIMITS, BOUNDARIES AND CORNERS, NATURAL AND ARTIFICIAL, ARE TRULY DESCRIBED HEREON TO THE BEST OF MY KNOWLEDGE. THIS IS A NATURAL SHORELINE EXCEPT FOR A PORTION AT THE BRIDGE AS SHOWN.

George M. Pyle
GEORGE M. PYLE, R.P.L.S. #1258, L.S.L.S.
13745 EAGLENEST BAY DR.
CORPUS CHRISTI, TEXAS 78415B

FIELDWORK AND PLATTING CONDUCTED UNDER THE DIRECTION OF DAVID A. PYLE, R.P.L.S. #4700

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
County Aransas, Sk. No. 1-B-7
File Date 3-20-2002 by D.J.H.



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ENGINEERING • ENVIRONMENTAL • SURVEYING
4501 Gulliver Rd., Corpus Christi, Texas 78411 (361) 814-9900
P.O. Box 3309 Corpus Christi, Texas 78403

SHORELINE SURVEY
OF
SECTIONS 75, 76, 77 AND 78, SIXTH SUBDIVISION OF THE TAFF FARM LANDS, A MAP OF WHICH IS RECORDED IN VOLUME 1, PAGE 50, MAP RECORDS OF ARANSAS COUNTY, TEXAS, AND VOLUME 2, PAGE 33-A, MAP RECORDS OF SAN PATRICIO COUNTY, TEXAS.

Project No.: 6413	Date: 14 FEB 2001	Checked By:	Dep. No. SHORELINE2
Scale: 1"=1000'	Drawn By: MAE/RMW	Approved By:	Sheet 1 of 1