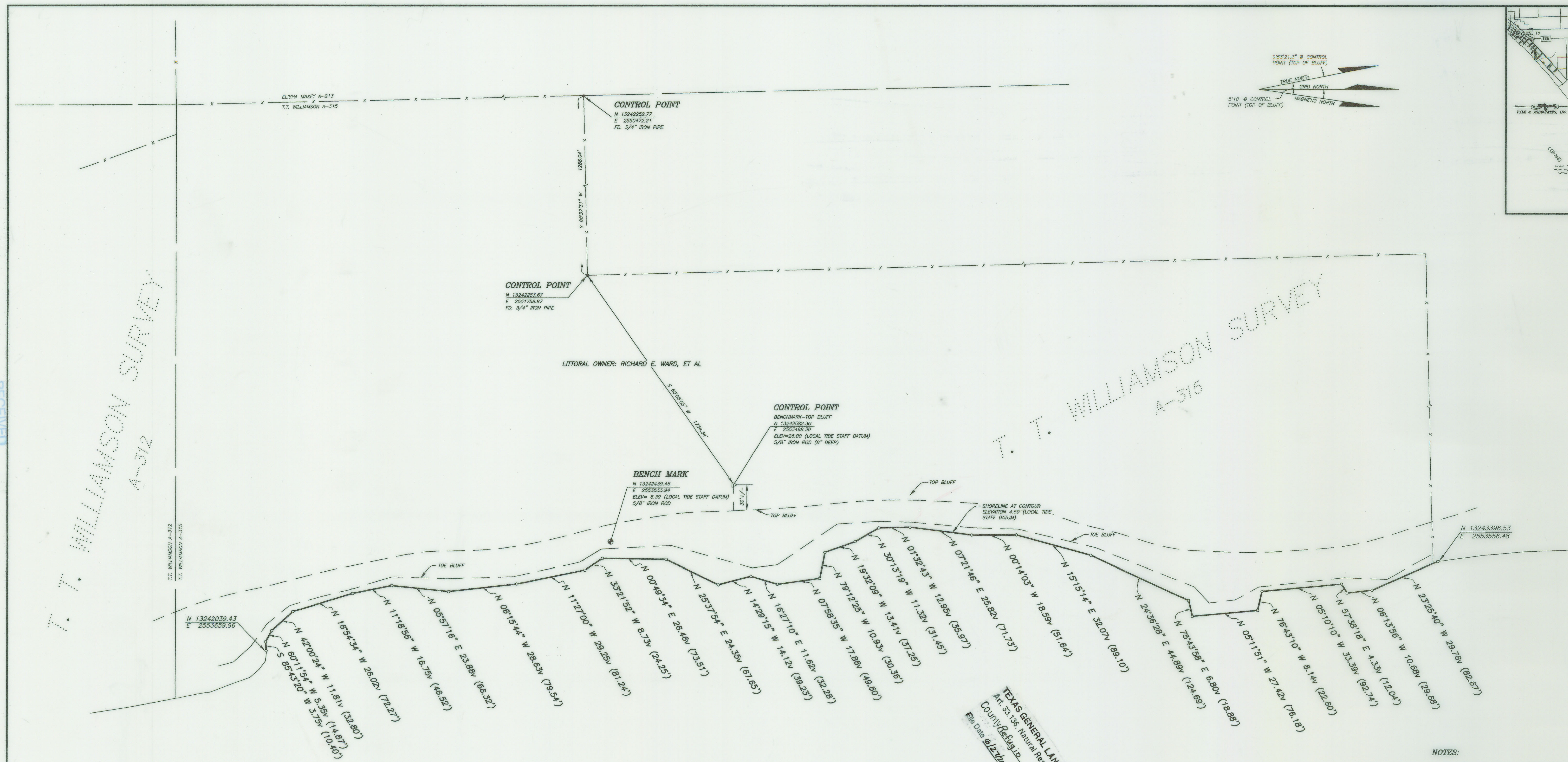
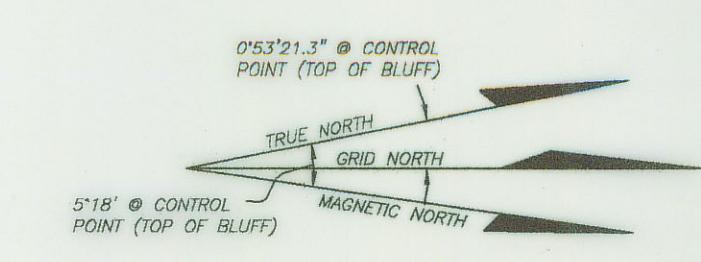


LOCATION MAP  
N.T.S.



TRACT 6  
MISSION BAY  
SUBMERGED LAND TRACTS

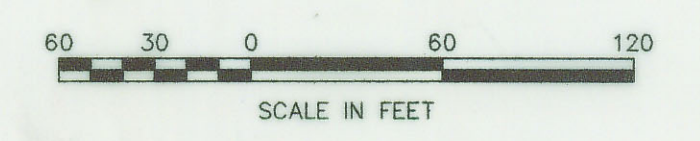
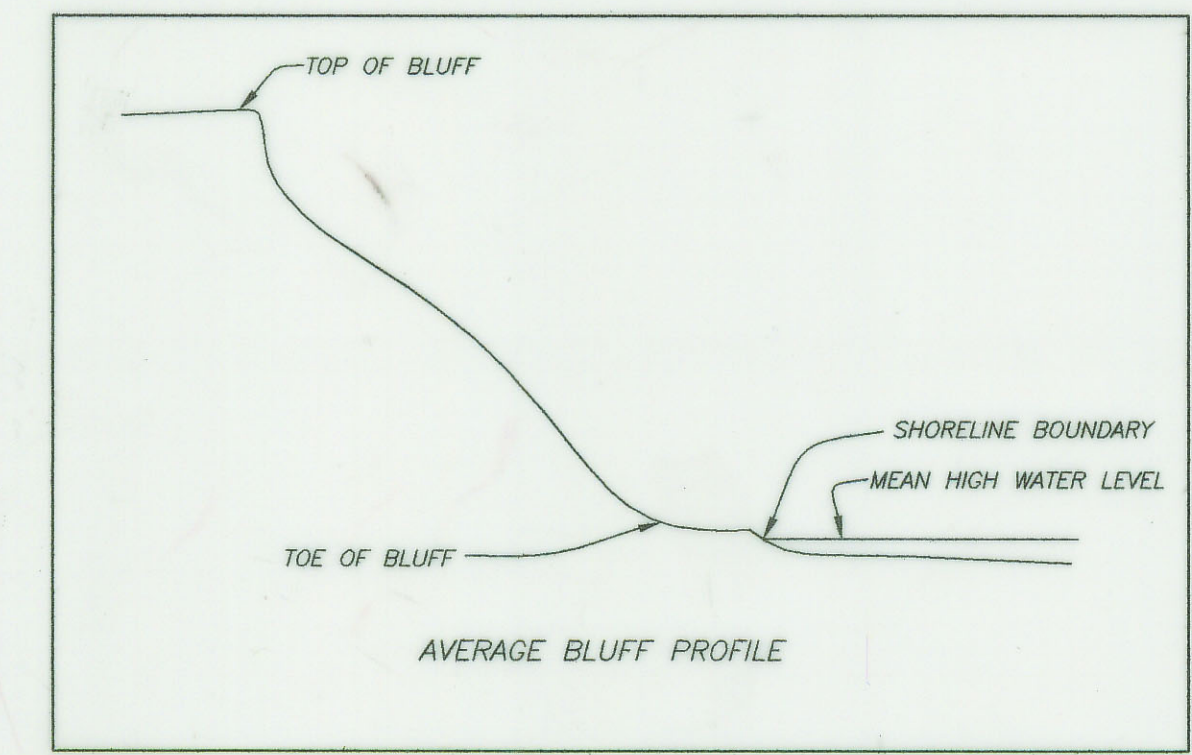
TEXAS GENERAL LAND OFFICE  
Art. 33.136, Natural Resources Code  
County Refugio, Sk. No. 2  
File Date 6/12/03 by D.J.H.

- NOTES:
- BEARINGS, DISTANCES AND COORDINATES ARE GRID, BASED ON TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (NAD 83), ESTABLISHED VIA GLOBAL POSITIONING SYSTEM TECHNOLOGY AND REFERENCED TO NATIONAL GEODETIC SURVEY (NGS) MONUMENT "MILLER RM 1" (PID AN1308). THE POSITION FOR "MILLER RM 1" (13,246,740.53 N, 2,548,452.91 E) IS ESTABLISHED BY ITS PUBLISHED RELATIVE POSITION TO NGS TRIANGULATION STATION "MILLER" (PID AN1308), A THIRD ORDER MONUMENT NOT FOUND AS OF DATE OF SURVEY.
  - SHORELINE LOCATED AT MEAN HIGH WATER DETERMINED FROM OBSERVATIONS OF A LOCAL TEMPORARY TIDE STAFF, INSTALLED AT THE PROJECT SITE AND COMPARED TO CONCURRENT READINGS OBSERVED BY THE CONRAD BLUCHER INSTITUTE FOR SURVEYING AND SCIENCE AT TIDE GAUGE "COPANO BAY", DATUM INFORMATION FOR COPANO BAY AVAILABLE AT [www.cbi.tamucc.edu](http://www.cbi.tamucc.edu).
  - ELEVATIONS ARE BASED ON ASSUMED DATUM RELATED DIRECTLY TO LOCAL TIDE STAFF.
  - ALL SHORELINE DISTANCES ARE IN VARAS WITH FEET IN PARENTHESES.
  - 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.

I, George M. Pyle, LICENSED STATE LAND SURVEYOR,  
do hereby certify that the foregoing shoreline survey  
was made by me on the ground and that the limits,  
boundaries and corners, natural and artificial are as  
described hereon.  
*George M. Pyle* 6-12-03  
George M. Pyle, R.P.L.S. #1258 U.S.L.S.

SHORELINE SURVEY  
OF

A PORTION OF THE LITTORAL BOUNDARY BETWEEN THE T. T. WILLIAMSON SURVEY, ABST. 315 AND TRACT 6, MISSION BAY SUBMERGED LAND TRACTS, SITUATED ON THE WESTERN SHORE OF MISSION BAY, IN REFUGIO COUNTY, TEXAS.



**P** PYLE & ASSOCIATES, INC.  
PROFESSIONAL LAND SURVEYORS  
5262 SOUTH STAPLES ST., SUITE 3504  
CORPUS CHRISTI, TEXAS 78411  
PHONE #: (361) 993-4191  
FAX #: (361) 985-0967

Job No. 2114 070 04

SCALE: 1" = 60'  
DATE: MAY 12, 2003  
C:\2114 070 04\DWG\2114-FNL.DWG

Pyle & Associates Inc.  
P.O. Box 81343  
Corpus Christi, TX 78468  
Voice: (361) 993-4191  
Fax: (361) 985-0967

Pyle & Associates, Inc.

June 12, 2003

Mr. Ben Thomson, R.P.L.S., L.S.L.S.  
Texas General Land Office  
1700 North Congress Ave, Room 840  
Austin, TX 78701

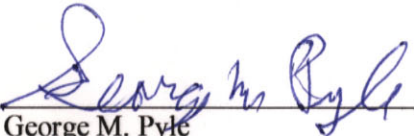
Dear Ben:

I am herewith submitting a shoreline survey of a portion of the littoral boundary of the Mission Bay Submerged Land Tract 6 adjoining the T.T. Williamson Survey, Abstract 315 in Refugio County, Texas. The survey is required as part of a shoreline stabilization project, partially sponsored by the General Land Office. This project involves planting of shoreline grasses to arrest erosion from wave action and rain run-off.

I am also including two photographs which show the 20'± high bank along the shoreline.

The elevations were assumed at the site because the nearest recoverable published benchmark is located 5 miles± in the town of Bayside. If this is not satisfactory we can run the ten mile loop.

Signed:

  
George M. Pyle  
R.P.L.S. # 1258 - L.S.L.S.

TEXAS GENERAL LAND OFFICE  
Art. 33.136, Natural Resources Code  
County Refugio, Sk. No. 2  
File Date 6-27-2003 by D.J.H.  
See Sketch 2

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JUN 16 2003

GENERAL LAND OFFICE

G:\2114 070 09\DOCUMENTS\030612 glo sbmtl ver2.doc

Refugio Co. NRC Art. 33.136 Sketch 2 Report 2, pg. 1 of 3

counter  
78534  
3-355-03

Mission Bay - May, 2003



North end of survey

JUN 16 2003

GENERAL LAND OFFICE

Refugio Co. NRC Art. 33.136 Report 2, pg. 2 of 3

Sketch 2

78538

Mission Bay – May, 2003

South end of survey



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Sketch 2  
Refugio Co. NRC Art. 33.136 Report 2, pg. 3 of 3  
counter 78539