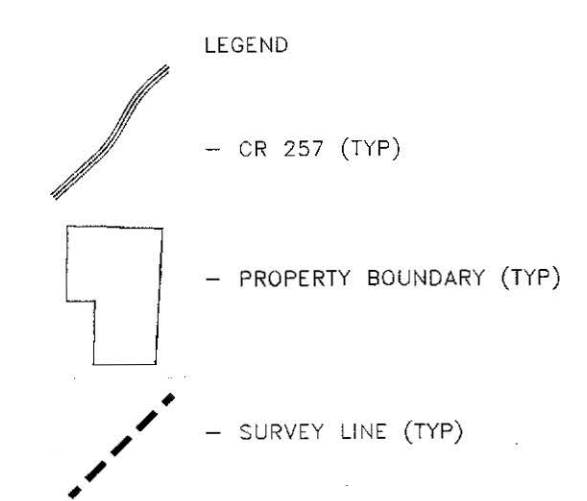
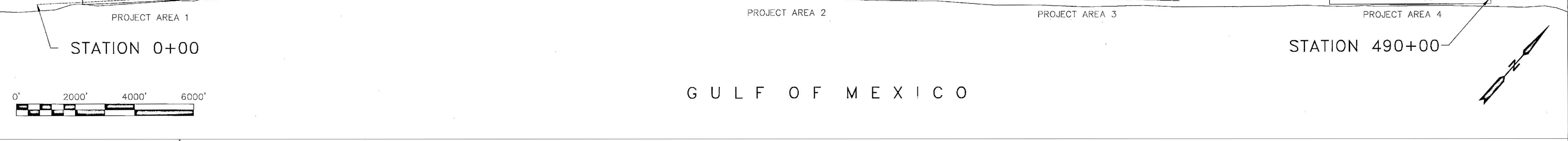


FOLLET'S ISLAND

COAST & HARBOR ENGINEERING, INC.
FOLLET'S ISLAND HABITAT RESTORATION
FOLLET'S ISLAND, BRAZORIA COUNTY, TX



NOTES:
1. ALL COORDINATES REFER TO THE TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (#4204), AS DEFINED BY ARTICLE 21.071 OF THE NATURAL RESOURCES CODE OF THE STATE OF TEXAS, 1983 DATUM, US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. SCALE FACTOR AND MAPPING ANGLE VARY ACROSS PROJECT AREA:

PROJECT AREA 1: SCALE FACTOR - 0.999881663
MAPPING ANGLE - 1° 50' 28"
PROJECT AREA 2: SCALE FACTOR - 0.99877666
MAPPING ANGLE - 1° 52' 4"
PROJECT AREA 3: SCALE FACTOR - 0.99876436
MAPPING ANGLE - 1° 52' 39"
PROJECT AREA 4: SCALE FACTOR - 0.99874838
MAPPING ANGLE - 1° 53' 26"

2. COORDINATES AND ELEVATIONS ARE BASED ON MONUMENTS & ON OPUS SOLUTIONS. VERTICAL DATUM: NAVD88

REFERENCE MONUMENT "WELL USE 1912 1931 1933"
N: 13,549,139.69
E: 3,155,892.17
ELEV: 5.1' NAVD88

REFERENCE MONUMENT "SKEET RESET"
N: 13,559,209.73
E: 3,166,302.79
ELEV: 4.2' NAVD88

REFERENCE MONUMENT "PUGH"
N: 13,577,159.29
E: 3,186,274.23
ELEV: 5.6' NAVD88

3. ALL POSITIONS AND ELEVATIONS RECORDED USING SURVEY GRADE, RTK GPS. EQUIPMENT: HEMISPHERE S320 OR TRIMBLE RB.

4. MEAN HIGHER HIGH WATER (MHHW) ELEVATION OF 1.3' AND MEAN HIGH WATER (MHW) OF 1.2' FOR GULF OF MEXICO WAS DETERMINED FROM SAN LUIS PASS, FREEPORT, AND GALVESTON TIDE GAUGE DATA.

5. TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.

6. UPLAND TRACT LINES SHOWN HEREON ARE BASED ON DEED DESCRIPTIONS AND APPRAISAL DISTRICT MAPS. LINES ARE SHOWN FOR REFERENCE ONLY.

7. EROSION RESPONSE WORK: GLO CONTRACT NO. 13-333-004, WORK ORDER NO. 8098. CEPA 1529.

A) IMPROVING THE EXISTING BARRIER RIDGE; PROTECTING THE ADJACENT PUBLIC INFRASTRUCTURE BY ENHANCING THE NATURAL DUNE BEACH HABITAT.

8. REFERENCE ACCOMPANYING REPORT DATED APRIL, 2014 FOR ADDITIONAL INFORMATION.

9. BACKGROUND IMAGE: LAMON AERIAL PHOTOGRAPHY, 2014 1-FOOT. FOR REFERENCE ONLY.

I, JAMES M. NAISMITH, HEREBY STATE THAT THIS DRAWING REPRESENTS A SURVEY THAT IS CORRECT; IN ACCORDANCE WITH SECTION 21.042 TEXAS NATURAL RESOURCES CODE, WAS MADE ACCORDING TO LAW; WAS MADE IN THE FIELD UNDER MY DIRECT CONTROL AND SUPERVISION; WAS MADE UTILIZING METHODOLOGY APPROVED BY THE GLO; AND IS RECORDED IN

NOTICE: 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.

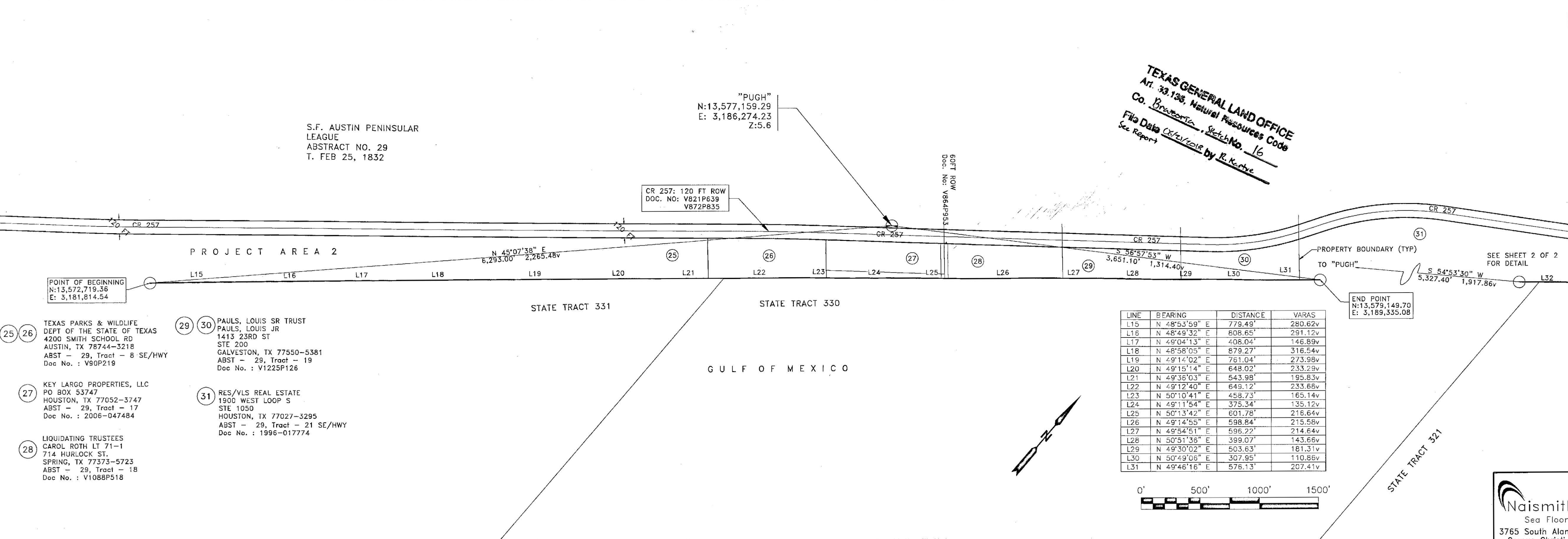
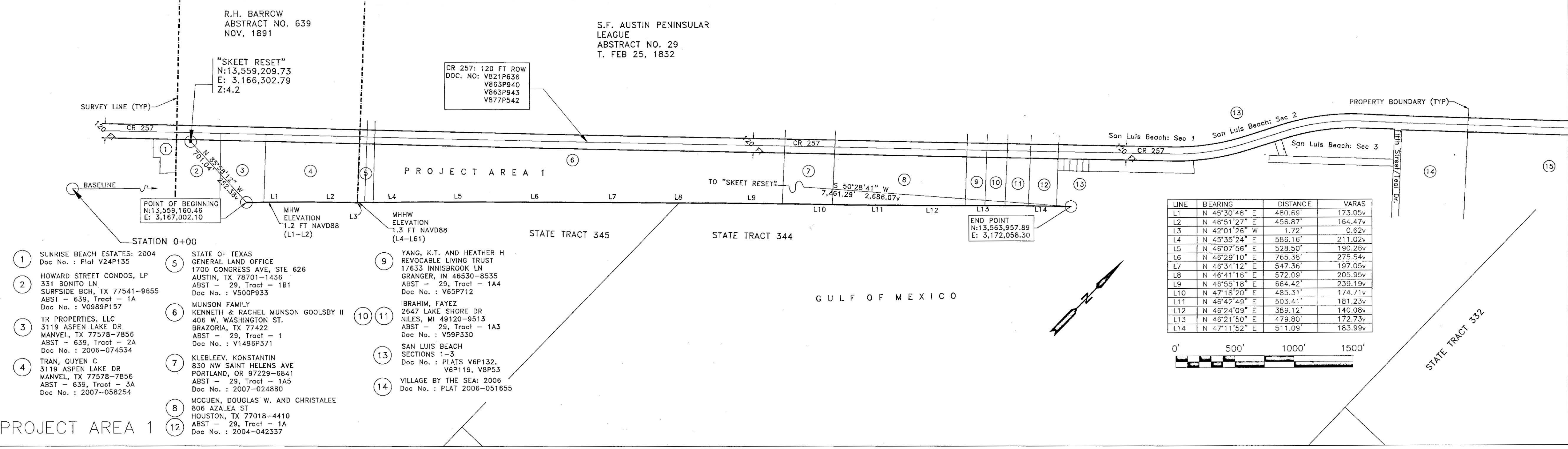
NO FILL OR BUILDUP IS LOCATED WITHIN THE SURVEYED AREA AND NO RETAINING WALLS OR STRUCTURAL MODIFICATIONS HAVE BEEN PLACED ALONG THE SURVEYED LITTORAL BOUNDARY.

SURVEYED: MARCH, 2014

SURVEY PERSONNEL:
JAMES M. NAISMITH
B.S. GAMBLE
J.Z. GIESSEL

James M. Naismith
10/21/2014

JAMES M. NAISMITH
LICENSED STATE LAND SURVEYOR



TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Brazoria, Sect. 16
File Date October 16, 2014
See Report by R. Kerche

Naismith Marine
Sea Floor Surveying
3765 South Alameda, Suite 205
Corpus Christi, Texas 78411
WWW.NAISMITHMARINE.COM
(361) 945-0248

NO.	DATE	REVISION

COASTAL BOUNDARY SURVEY OF THE LITTORAL BOUNDARY OF A PORTION OF THE S.F. AUSTIN, A-29 AND R.H. BARROW, A-639 ADJACENT TO GULF OF MEXICO BRAZORIA COUNTY, TEXAS

SCALE: 1" = 500' DATE: APRIL 2014 SHEET: 1 OF 2
DRAWN BY: JZG

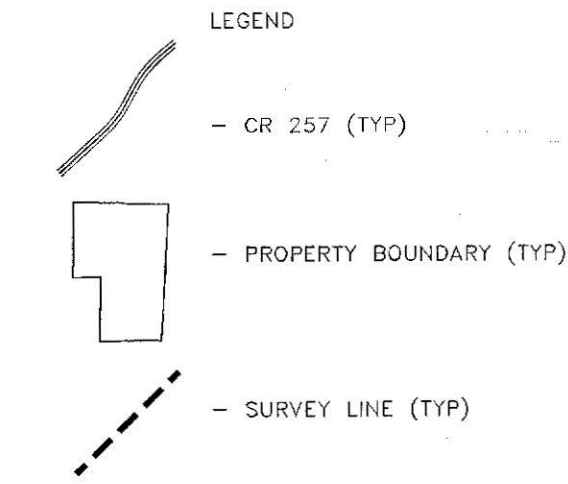
FOLLET'S ISLAND

COAST & HARBOR ENGINEERING, INC.
FOLLET'S ISLAND HABITAT RESTORATION
FOLLET'S ISLAND, BRAZORIA COUNTY, TX

STATION 0+00

STATION 490+00

GULF OF MEXICO



NOTES:
1. ALL COORDINATES REFER TO THE TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (#4204), AS DEFINED BY ARTICLE 21.071 OF THE NATURAL RESOURCES CODE OF THE STATE OF TEXAS, 1983 DATUM, US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. SCALE FACTOR AND MAPPING ANGLE VARY ACROSS PROJECT AREA:

PROJECT AREA 1: SCALE FACTOR - 0.999881663
MAPPING ANGLE - 1' 50" 28"
PROJECT AREA 2: SCALE FACTOR - 0.999877686
MAPPING ANGLE - 1' 52" 4"
PROJECT AREA 3: SCALE FACTOR - 0.999876436
MAPPING ANGLE - 1' 52" 39"
PROJECT AREA 4: SCALE FACTOR - 0.999874838
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REFERENCE MONUMENT "WELL USE 1912 1931 1933"
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ELEV: 5.1' NAVD88

REFERENCE MONUMENT "SKEET RESET"
N: 13,559,139.73
E: 3,186,502.79
ELEV: 4.2' NAVD88

REFERENCE MONUMENT "PUGH"
N: 13,571,139.22
E: 3,186,274.23
ELEV: 5.6' NAVD88

3. ALL POSITIONS AND ELEVATIONS RECORDED USING SURVEY GRADE, RTK GPS. EQUIPMENT: HEMISPHERE S320 OR TRIMBLE R8.

4. MEAN HIGHER HIGH WATER (MHHW) ELEVATION OF 1.3' AND MEAN HIGH WATER (MHW) OF 1.2' FOR GULF OF MEXICO WAS DETERMINED FROM SAN LUIS PASS, FREETPORT, AND GALVESTON TIDE GAUGE DATA.

5. TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.

6. UPLAND TRACT LINES SHOWN HEREON ARE BASED ON DEED DESCRIPTIONS AND APPRAISAL DISTRICT MAPS. LINES ARE SHOWN FOR REFERENCE ONLY.

7. EROSION RESPONSE WORK: GLO CONTRACT NO. 13-333-004, WORK ORDER NO. 0098. CEPR 1529

8. IMPROVING THE EXISTING BARRIER RIDGE; PROTECTING THE ADJACENT PUBLIC INFRASTRUCTURE BY ENHANCING THE NATURAL DUNE BEACH HABITAT.

9. REFERENCE ACCOMPANYING REPORT DATED APRIL, 2014 FOR ADDITIONAL INFORMATION.

10. BACKGROUND IMAGE: LANMON AERIAL PHOTOGRAPHY, 2014 1-FOOT. FOR REFERENCE ONLY.

I, JAMES M. NAISMITH, HEREBY STATE THAT THIS DRAWING REPRESENTS A SURVEY THAT IS CORRECT; IN ACCORDANCE WITH SECTION 21.042 TEXAS NATURAL RESOURCES CODE, WAS MADE ACCORDING TO LAW; WAS MADE IN THE FIELD UNDER MY DIRECT CONTROL AND SUPERVISION; WAS MADE UTILIZING METHODOLOGY APPROVED BY THE GLO; AND IS RECORDED IN

NOTICE: THIS SURVEY WAS PERFORMED IN ACCORDANCE WITH SECTION 13.136, 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.

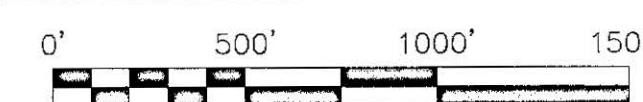
NO FILL OR BUILDUP IS LOCATED WITHIN THE SURVEYED AREA AND NO RETAINING WALLS OR STRUCTURAL MODIFICATIONS HAVE BEEN PLACED ALONG THE SURVEYED LITTORAL BOUNDARY.

SURVEYED: MARCH, 2014

SURVEY PERSONNEL:
JAMES M. NAISMITH
B.S. GAMBILL
J.Z. GIESSEL

Signature of James M. Naismith
10/21/2014
JAMES M. NAISMITH
LICENSED STATE LAND SURVEYOR

Table with 4 columns: LINE, BEARING, DISTANCE, VARAS. Contains survey data for lines L44 through L61.



Naismith Marine logo and contact information: 3765 South Alameda, Suite 205, Corpus Christi, Texas 78411. Includes a table for revision and drawing details.



**Surveying Division
Coastal Boundary Survey Approval**

Project: CR257 Dune Restoration

Project No: Coastal Erosion Planning Response Act (CEPRA) Project 1529

Project Manager: Thomas Durnin, GLO Coastal Resources

Surveyor: James M. Naismith, Licensed State Land Surveyor

Description: A Coastal Boundary Survey, dated March 2014, by James M. Naismith, Licensed State Land Surveyor, delineating portions of the littoral boundary lines of the R. H. Barrow Survey, Abstract 639 and the Stephen F. Austin Survey, Abstract 29 along the line of Mean High Water (Barrow) and the line of Mean Higher High Water (Austin) of the Gulf of Mexico, same line being the boundary of Gulf of Mexico Submerged Land Tracts 312, 320, 321, 330, 331, 344 & 345. The survey is in support of a beach dune restoration project, proposed under Coastal Erosion Planning & Response Act (CEPRA) project 1529 and situated on Follet's Island, southeasterly of County Road 257 and extending from a point approximately 1.3 miles southwesterly from San Luis Beach Subdivision, Section 1 to a point approximately 0.9 mile southwesterly from the Treasure Island Subdivision at San Luis Pass.

A Coastal Boundary Survey for the above-referenced project has been reviewed and accepted; upon completion of public notice requirements, the survey will be filed in the Texas General Land Office, Archives and Records, in accordance with provisions of the *Texas Natural Resources Code*, Chapter 33.136.

Approved:

Signed:

David A. Ryle
Surveying Division

Dec. 16, 2014
Date

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code

Approval Filed as:

Co. Brazoria, Sketch No. 16

Tex. Nat. Res. Code Article 33.136 Brazoria County, Sketch No. 16

File Date 06/21/2018 by R. Kartye

Stephen F. Austin Building • 1700 North Congress Avenue • Austin, Texas 78701-1495

Post Office Box 12873 • Austin, Texas 78711-2873

512-463-5001 • 800-998-4GLO

www.glo.state.tx.us

11. 3.14



Zac Giessel
Naismith Marine Services, Inc.
3765 S. Alameda St.
Ste. 205
Corpus Christi, TX 78411

October 31, 2014

Attn: Mr. David Pyle
Texas General Land Office
Survey Division
1700 N. Congress Ave.
Rm. 131
Austin, TX 78701

RE: Coastal Boundary Survey Maps: Follet's Island, southeast of Brazoria County Road 257

Mr. David Pyle:

Please find enclosed four (4) signed and sealed Coastal Boundary Survey (CBS) maps and one report of a CBS for Follet's Island - southeast of CR257 as pertains to GLO contract number 13-333-004, work order number 8098 - CEpra 1529. Please be aware that neither the Mylar copies nor the paper maps with aerial photography have Brazoria County filing information included. We are currently preparing the documents per Brazoria Counties map filing requisites for filing with Brazoria County Clerk. I will forward you county filing information as soon as it is available. Please call me if you have any questions.

Thank you,

Justin ZAC Giessel
Naismith Marine Services, Inc.
zac@naismithmarine.com
361-920-0436

Encl.

- (2) Mylar CBS - Follet's Island - CR257
- (2) CBS Maps with Aerial - Follet's Island - CR257
- (1) CBS Report - Follet's Island - CR257

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Brazoria, Sketch No. 16
File Date 06/21/2018 by R. Kartye

Naismith Marine Services, Inc.
3765 South Alameda, Suite 205
Corpus Christi, Texas 78411
(361) 945-0248 www.naismithmarine.com



TEXAS GENERAL LAND OFFICE

April, 2014

Art. 33.136, Natural Resources Code

Co. Brazoria, Sketch No. 16

Report of a Coastal Boundary Survey for

File Date 06/21/2018 by R. Kartye

4 project areas along Follet's Island

Southeast of Brazoria County Road 257 in the

Stephen F. Austin Peninsular League – Abstract No. 29 and the

R.H. Barrow Survey – Abstract No. 639,

Brazoria County, Texas

This report accompanies a map of survey dated April 2014.



Survey area is along the Southeast side of the Austin Survey

Survey Control

Horizontal control for this project was based on NGS control points 'Well Use 1912 1931 1933', 'Skeet Reset', 'Pugh', and tidal benchmark '90025 C'. OPUS solutions for these monuments were used to adjust published values as well as set two control monuments 'Naismith CP1' and 'Naismith CP2' in the area to the north with sparse published control.



WELL USE



PUGH

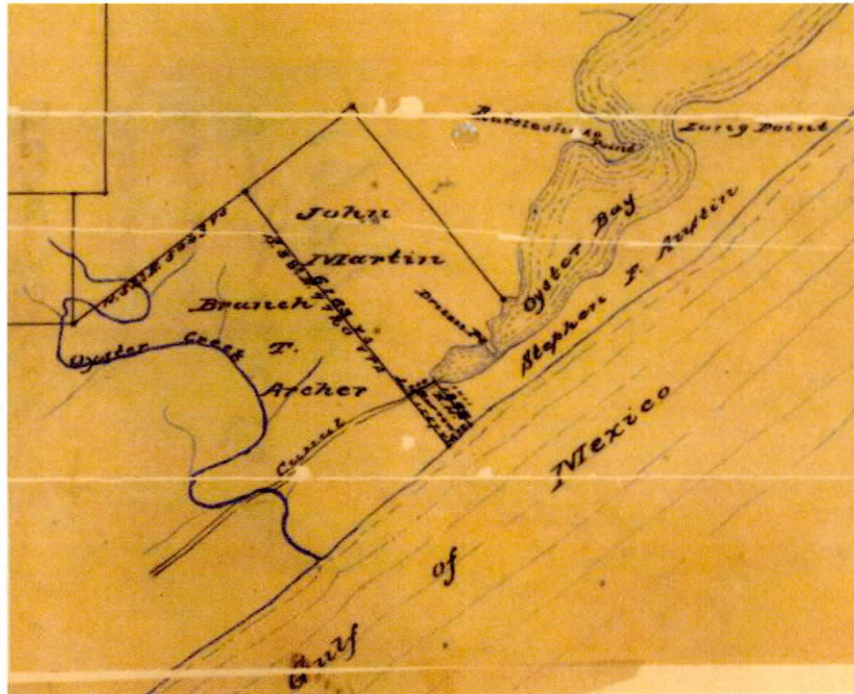
Tidal Datums

Historical tidal data was retrieved from San Luis Pass tidal station (currently silted in); tidal station 021: Galveston Pleasure Pier (decommissioned 2011); and tidal station 056: Freeport. Current data was accessed from tidal station 152: USCG Freeport and 529: Galveston entrance channel, north jetty. As referenced to this survey, the elevation of MHHW on the Gulf of Mexico is 1.3 feet NAVD 88.

MHW and MHHW Survey

The MHW (mean high water) and MHHW (mean higher high water) line was measured along the shoreline of the Gulf of Mexico. The shoreline is composed of unvegetated sand.

TEXAS GENERAL LAND OFFICE
 Art. 33.136, Natural Resources Code
 Co. Brazoria, Sketch No. 16
 File Date 06/21/2018 by R. Kartye



Field notes sketch from Richard H. Barrow file; surveyed in 1891. Field notes indicate that the northeast boundary of Barrow's survey coincides with the southwest line of S.F. Austin's peninsular league "where said canal () intersects the head of Oyster Bay...and along the west line of said grant (Austin) to another post set on the gulf shore."

The upland tracts were researched and obvious property corners surveyed to establish the general location. This survey does not represent a property boundary survey for each of the upland tracts.



Typical property boundary concrete monument.

TEXAS GENERAL LAND OFFICE
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 Co. Brazoria, Sketch No. 16
 File Date 06/24/2018 by R. Kautze



State tracts were drawn from GLO map 'Texas Gulf Coast – Map' "From the Sabine River to the Rio Grande as Subdivided for Mineral Development – General Land Office – Austin, Texas. Bascom Giles, Commissioner April 1948. (2910.tif)

Field Notes for the littoral boundary of several tracts along the gulf shoreline of Follet's Island, in the Stephen F. Austin Peninsular League, A-29, titled in 1832, and the R.H. Barrow, A-639, surveyed in 1891, adjacent to state tracts 345, 344, 332, 331, 331, 330, 321, 320, and 312 in the Gulf of Mexico, Brazoria County, Texas. Bearings, Distances, and Coordinates are grid, North American Datum of 1983, Texas South Central Zone. Four project areas are detailed below:

Project Area 1

Beginning at a point, N= 13,559,160.46, E= 3,167,002.10, on the MHHW (Mean Higher High Water) line on the west shoreline of the Gulf of Mexico; from which "SKEET RESET" bears N 85°58'12" W a distance of 701.04' (252.38v);

thence N 45°30'46" E a distance of 480.69' (173.05v);
thence N 46°51'27" E a distance of 456.87' (164.47v);
thence N 42°01'26" W a distance of 1.72' (0.62v);
thence N 45°35'24" E a distance of 586.16' (211.02v);
thence N 46°07'56" E a distance of 528.50' (190.26v);
thence N 46°29'10" E a distance of 765.38' (275.54v);
thence N 46°34'12" E a distance of 547.36' (197.05v);
thence N 46°41'16" E a distance of 572.09' (205.95);
thence N 46°55'18" E a distance of 664.42' (239.19v);
thence N 47°18'20" E a distance of 485.31' (174.71v);
thence N 46°42'49" E a distance of 503.41' (181.23v);
thence N 46°24'09" E a distance of 389.12' (140.08v);
thence N 46°21'50" E a distance of 479.80' (172.73v);

thence N 47°11'52" E a distance of 511.09' (183.99v); to the **end point**, N= 13,563,957.89, E= 3,172,058.30, from which "SKEET RESET" bears S 50°28'41" W a distance of 7,461.29' (2,686.07v).

Project Area 2

Beginning at a point, N= 13,572,719.36, E= 3,181,814.54, on the MHHW (Mean Higher High Water) line on the west shoreline of the Gulf of Mexico; from which "PUGH" bears N 45°07'38" E a distance of 6,293.00' (2,265.48v);

thence N 48°53'59" E a distance of 779.49' (280.62v);
thence N 48°49'32" E a distance of 808.65' (291.12v);
thence N 49°04'13" E a distance of 408.04' (146.89v);
thence N 48°58'05" E a distance of 879.27' (316.54v);
thence N 49°14'02" E a distance of 761.04' (273.98v);
thence N 49°15'14" E a distance of 648.02' (233.29v);
thence N 49°36'03" E a distance of 543.98' (195.83v);

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Brazoria, Sketch No. 16
File Date 06/21/2018 by R. Kartye



thence N 49°12'40" E a distance of 649.12' (233.68v);
thence N 50°10'41" E a distance of 458.73' (165.14v);
thence N 49°11'54" E a distance of 375.34' (135.12v);
thence N 50°13'42" E a distance of 601.78' (216.64v);
thence N 49°14'55" E a distance of 598.84' (215.58v);
thence N 49°54'51" E a distance of 596.22' (214.64v);
thence N 50°51'36" E a distance of 399.07' (143.66v);
thence N 49°30'02" E a distance of 503.63' (181.31v);
thence N 50°49'06" E a distance of 307.95' (110.86v);

thence N 49°46'16" E a distance of 576.13' (207.41v); to the **end point**, N= 13,579,149.70, E= 3,189,335.08, from which "PUGH" bears S 56°57'53" W a distance of 3,651.10' (1,314.40v).

Project Area 3

Beginning at a point, N= 13,580,223.20, E= 3,190,632.40, on the MHHW (Mean Higher High Water) line on the west shoreline of the Gulf of Mexico; from which "PUGH" bears S 54°53'30" W a distance of 5,327.40' (1,917.86v);

thence N 50°05'10" E a distance of 472.84' (170.22v);
thence N 50°21'01" E a distance of 489.88' (176.36v);
thence N 50°11'12" E a distance of 633.72' (228.14v);
thence N 50°42'32" E a distance of 460.41' (165.75v);
thence N 49°40'08" E a distance of 367.55' (132.32v);
thence N 50°12'14" E a distance of 355.66' (128.04v);
thence N 50°11'11" E a distance of 602.65' (216.95v);
thence N 49°46'15" E a distance of 479.00' (172.44v);
thence N 50°26'26" E a distance of 540.04' (194.41v);
thence N 50°29'07" E a distance of 551.40' (198.50v);
thence N 51°17'08" E a distance of 247.55' (89.12v);

thence N 50°42'51" E a distance of 349.55' (125.84v); to the **end point**, N= 13,583,768.19, E= 3,194,902.87, from which "PUGH" bears S 52°33'02" W a distance of 10,868.81' (3,912.77v).

Project Area 4

Beginning at a point, N= 13,586,943.24, E= 3,198,726.03, on the MHHW (Mean Higher High Water) line on the west shoreline of the Gulf of Mexico; from which "PUGH" bears S 51°50'30" W a distance 15,835.81' 5,700.89v.

thence N 50°05'55" E a distance of 126.99' (45.72v);
thence N 50°12'11" E a distance of 290.61' (104.62v);
thence N 48°56'24" E a distance of 295.76' (106.47v);
thence N 49°46'18" E a distance of 398.75' (143.55v);
thence N 49°13'22" E a distance of 400.82' (144.29v);
thence N 49°51'03" E a distance of 308.38' (111.02v);
thence N 48°21'55" E a distance of 194.06' (69.86v);
thence N 49°43'17" E a distance of 299.21' (107.72v);

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code

Co. Brazoria, Sketch No. 16

File Date 06/21/2018 by R. Kartye

11 314

thence N 48°54'37" E a distance of 405.42' (145.95v);
thence N 49°27'21" E a distance of 296.52' (106.75v);
thence N 47°04'17" E a distance of 196.22' (70.64v);
thence N 49°38'13" E a distance of 199.51' (71.82v);
thence N 48°48'20" E a distance of 302.47' (108.89v);
thence N 48°13'28" E a distance of 300.97' (108.35v);
thence N 47°06'16" E a distance of 299.62' (107.86v);
thence N 48°21'24" E a distance of 499.84' (179.94v);
thence N 47°51'16" E a distance of 300.19' (108.07v);

thence N 47°59'48" E a distance of 385.77' (138.88v); to the **end point**, N= 13,590,562.94, E= 3,202,867.63, from which "PUGH" bears S 51°04'11" W a distance of 21,330.70' (7,679.05v).



10/31/2014

James M. Naismith, RPLS, LSLS

Naismith Marine Services, Inc.

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Brazoria, Sketch No. 16
File Date 06/21/2018 by R. Kartve

Naismith Marine Services, Inc.
3765 South Alameda, Suite 205
Corpus Christi, Texas 78411
(361) 945-0248 www.naismithmarine.com



October, 2014

REPORT OF A COASTAL BOUNDARY SURVEY FOR
A PORTION OF THE
FREDERICK J. CALVIT SURVEY, A-51
ADJACENT TO THE GULF OF MEXICO
BRAZORIA COUNTY, TEXAS

Purpose and Notice:

This survey was performed in accordance with Section 33.136, of the Texas 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.

As referenced to this survey, the elevation of MHW on the Gulf of Mexico is 1.2 feet NAVD88 and the elevation of MHHW on the Gulf of Mexico is 1.3 feet NAVD 88.

MHW and MHHW Survey

The MHW (mean high water) and MHHW (mean higher high water) line were measured along the shoreline of the Gulf of Mexico. The shoreline is composed of unvegetated sand.

Field Notes for the littoral boundary of several tracts along the Gulf shoreline of Follet's Island, in the Stephen F. Austin Peninsular League, A-29, titled in 1832, and the R.H. Barrow, A-639, surveyed in 1891, adjacent to state tracts 345, 344, 332, 331, 331, 330, 321, 320, and 312 in the Gulf of Mexico, Brazoria County, Texas. Bearings, Distances, and Coordinates are grid, Texas State Plane Coordinate System, South Central Zone, North American Datum of 1983, US Feet. Four project areas are detailed below:

Project Area 1

Beginning at a point, N= 13,559,160.46, E= 3,167,002.10, on the MHW (Mean High Water) line on the northwest shoreline of the Gulf of Mexico; from which "SKEET RESET" bears N 85°58'12" W a distance of 701.04' (252.38v);

thence along the shore of the Gulf of Mexico, N 45°30'46" E a distance of 480.69' (173.05v);

thence N 46°51'27" E a distance of 456.87' (164.47v);

thence N 42°01'26" W a distance of 1.72' (0.62v), to the MHHW (Mean Higher High Water) line;

Page 1 of 6

RECORDER'S MEMORANDUM:

At the time of recordation, this instrument was found to be inadequate for the best photographic reproduction because of illegibility, carbon, or photo-copy, discolored paper, etc. All blockouts, additions and changes were present at the time the instrument was filed and recorded.

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code

Co. Brazoria, Sketch No. 16

File Date 06/21/2018 by R. Rartye

thence continuing along the shore of the Gulf of Mexico, N 45°35'24" E a distance of 586.16' (211.02v);

thence N 46°07'56" E a distance of 528.50' (190.26v);

thence N 46°29'10" E a distance of 765.38' (275.54v);

thence N 46°34'12" E a distance of 547.36' (197.05v);

thence N 46°41'16" E a distance of 572.09' (205.95);

thence N 46°55'18" E a distance of 664.42' (239.19v);

thence N 47°18'20" E a distance of 485.31' (174.71v);

thence N 46°42'49" E a distance of 503.41' (181.23v);

thence N 46°24'09" E a distance of 389.12' (140.08v);

thence N 46°21'50" E a distance of 479.80' (172.73v);

thence N 47°11'52" E a distance of 511.09' (183.99v); to the **end point**, N= 13,563,957.89, E= 3,172,058.30, from which "SKEET RESET" bears S 50°28'41" W a distance of 7,461.29' (2,686.07v).

Project Area 2

Beginning at a point, N= 13,572,719.36, E= 3,181,814.54, on the MHHW (Mean Higher High Water) line on the northwest shoreline of the Gulf of Mexico; from which "PUGH" bears N 45°07'38" E a distance of 6,293.00' (2,265.48v);

thence along the shore of the Gulf of Mexico, N 48°53'59" E a distance of 779.49' (280.62v);

thence N 48°49'32" E a distance of 808.65' (291.12v);

thence N 49°04'13" E a distance of 408.04' (146.89v);

thence N 48°58'05" E a distance of 879.27' (316.54v);

thence N 49°14'02" E a distance of 761.04' (273.98v);

thence N 49°15'14" E a distance of 648.02' (233.29v);

thence N 49°36'03" E a distance of 543.98' (195.83v);

thence N 49°12'40" E a distance of 649.12' (233.68v);

thence N 50°10'41" E a distance of 458.73' (165.14v);

thence N 49°11'54" E a distance of 375.34' (135.12v);

thence N 50°13'42" E a distance of 601.78' (216.64v);

thence N 49°14'55" E a distance of 598.84' (215.58v);

thence N 49°54'51" E a distance of 596.22' (214.64v);

thence N 50°51'36" E a distance of 399.07' (143.66v);

thence N 49°30'02" E a distance of 503.63' (181.31v);

thence N 50°49'06" E a distance of 307.95' (110.86v);

thence N 49°46'16" E a distance of 576.13' (207.41v); to the **end point**, N= 13,579,149.70, E= 3,189,335.08, from which "PUGH" bears S 56°57'53" W a distance of 3,651.10' (1,314.40v).

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Co. Brazoria, Sketch No. 16

File Date 06/21/2018 by R. Hartve

Project Area 3

Beginning at a point, N= 13,580,223.20, E= 3,190,632.40, on the MHHW (Mean Higher High Water) line on the northwest shoreline of the Gulf of Mexico; from which "PUGH" bears S 54°53'30" W a distance of 5,327.40' (1,917.86v);

thence along the shore of the Gulf of Mexico, N 50°05'10" E a distance of 472.84' (170.22v);
thence N 50°21'01" E a distance of 489.88' (176.36v);
thence N 50°11'12" E a distance of 633.72' (228.14v);
thence N 50°42'32" E a distance of 460.41' (165.75v);
thence N 49°40'08" E a distance of 367.55' (132.32v);
thence N 50°12'14" E a distance of 355.66' (128.04v);
thence N 50°11'11" E a distance of 602.65' (216.95v);
thence N 49°46'15" E a distance of 479.00' (172.44v);
thence N 50°26'26" E a distance of 540.04' (194.41v);
thence N 50°29'07" E a distance of 551.40' (198.50v);
thence N 51°17'08" E a distance of 247.55' (89.12v);

thence N 50°42'51" E a distance of 349.55' (125.84v); to the **end point**, N= 13,583,768.19, E= 3,194,902.87, from which "PUGH" bears S 52°33'02" W a distance of 10,868.81' (3,912.77v).

Project Area 4

Beginning at a point, N= 13,586,943.24, E= 3,198,726.03, on the MHHW (Mean Higher High Water) line on the northwest shoreline of the Gulf of Mexico; from which "PUGH" bears S 51°50'30" W a distance 15,835.81' 5,700.89v.

thence along the shore of the Gulf of Mexico, N 50°05'55" E a distance of 126.99' (45.72v);
thence N 50°12'11" E a distance of 290.61' (104.62v);
thence N 48°56'24" E a distance of 295.76' (106.47v);
thence N 49°46'18" E a distance of 398.75' (143.55v);
thence N 49°13'22" E a distance of 400.82' (144.29v);
thence N 49°51'03" E a distance of 308.38' (111.02v);
thence N 48°21'55" E a distance of 194.06' (69.86v);
thence N 49°43'17" E a distance of 299.21' (107.72v);
thence N 48°54'37" E a distance of 405.42' (145.95v);
thence N 49°27'21" E a distance of 296.52' (106.75v);
thence N 47°04'17" E a distance of 196.22' (70.64v);
thence N 49°38'13" E a distance of 199.51' (71.82v);
thence N 48°48'20" E a distance of 302.47' (108.89v);
thence N 48°13'28" E a distance of 300.97' (108.35v);
thence N 47°06'16" E a distance of 299.62' (107.86v);
thence N 48°21'24" E a distance of 499.84' (179.94v);
thence N 47°51'16" E a distance of 300.19' (108.07v);

thence N 47°59'48" E a distance of 385.77' (138.88v); to the **end point**, N= 13,590,562.94, E= 3,202,867.63, from which "PUGH" bears S 51°04'11" W a distance of 21,330.70' (7,679.05v).

TEXAS GENERAL LAND OFFICE
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Co. Brazoria, Sketch No. 16
File Date 06/21/2019 by R. Kartye

Surveyors Certificate:

I, James M. Naismith, Licensed State Land Surveyor in and for the State of Texas, hereby state that this drawing represents a survey that is correct; in accordance with Section 21.042 Texas Natural Resources Code, was made according to law; was made in the field under my direct control and supervision; and was made utilizing methodology approved by the Texas General Land Office. No fill or buildup is located within the surveyed area and no retaining walls or structural modifications have been placed along the surveyed littoral boundary.

Field Personnel: Benjamin Seth Gambill, Justin Zac Giessel



James M. Naismith, RPLS, LSL

11/20/2014

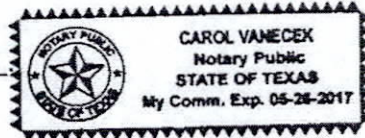
Naismith Marine Services, Inc.

Subscribed and sworn to me on the 20 day of November, 2014.

Carol Vanecek

Notary Public

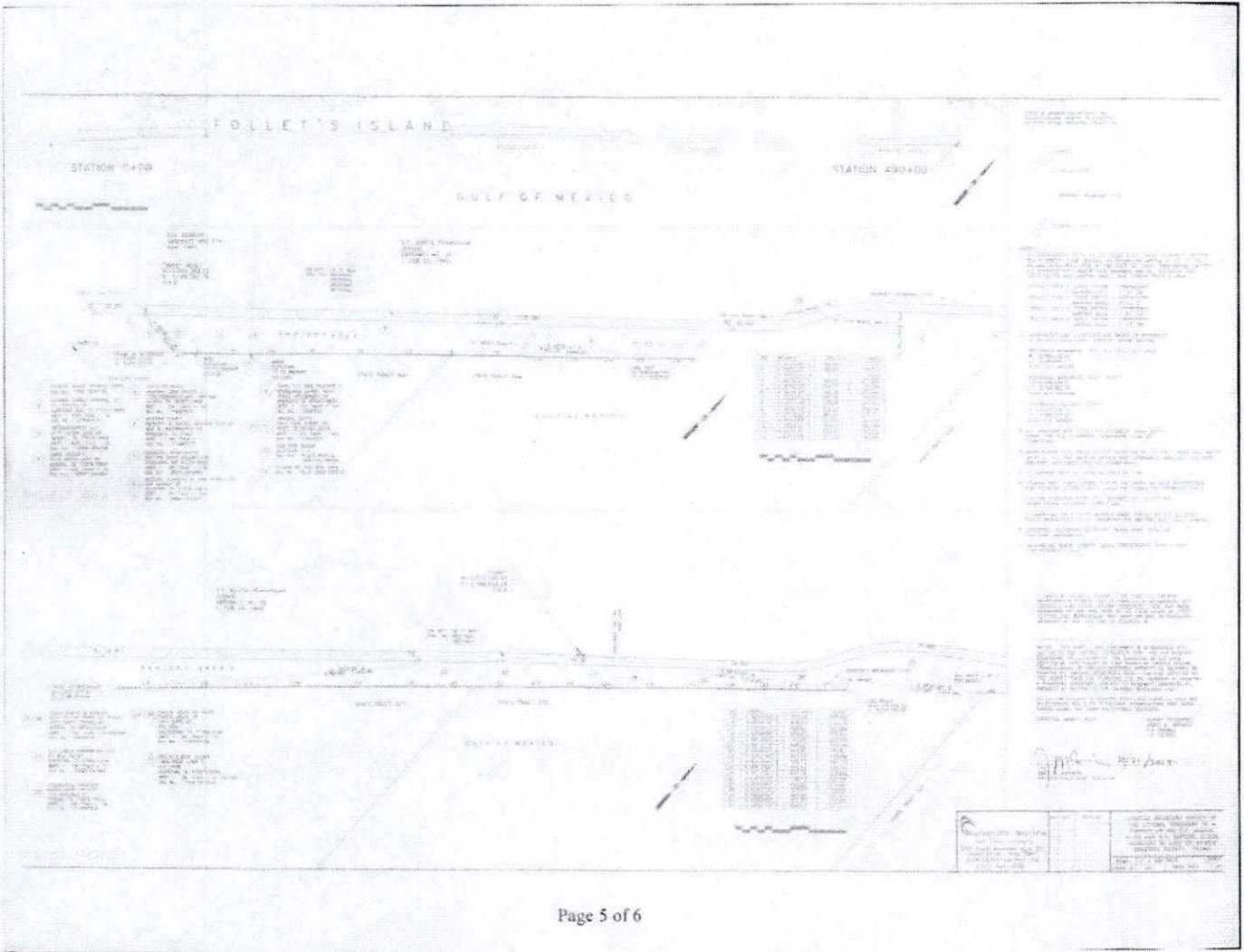
My commission expires 5-26-17



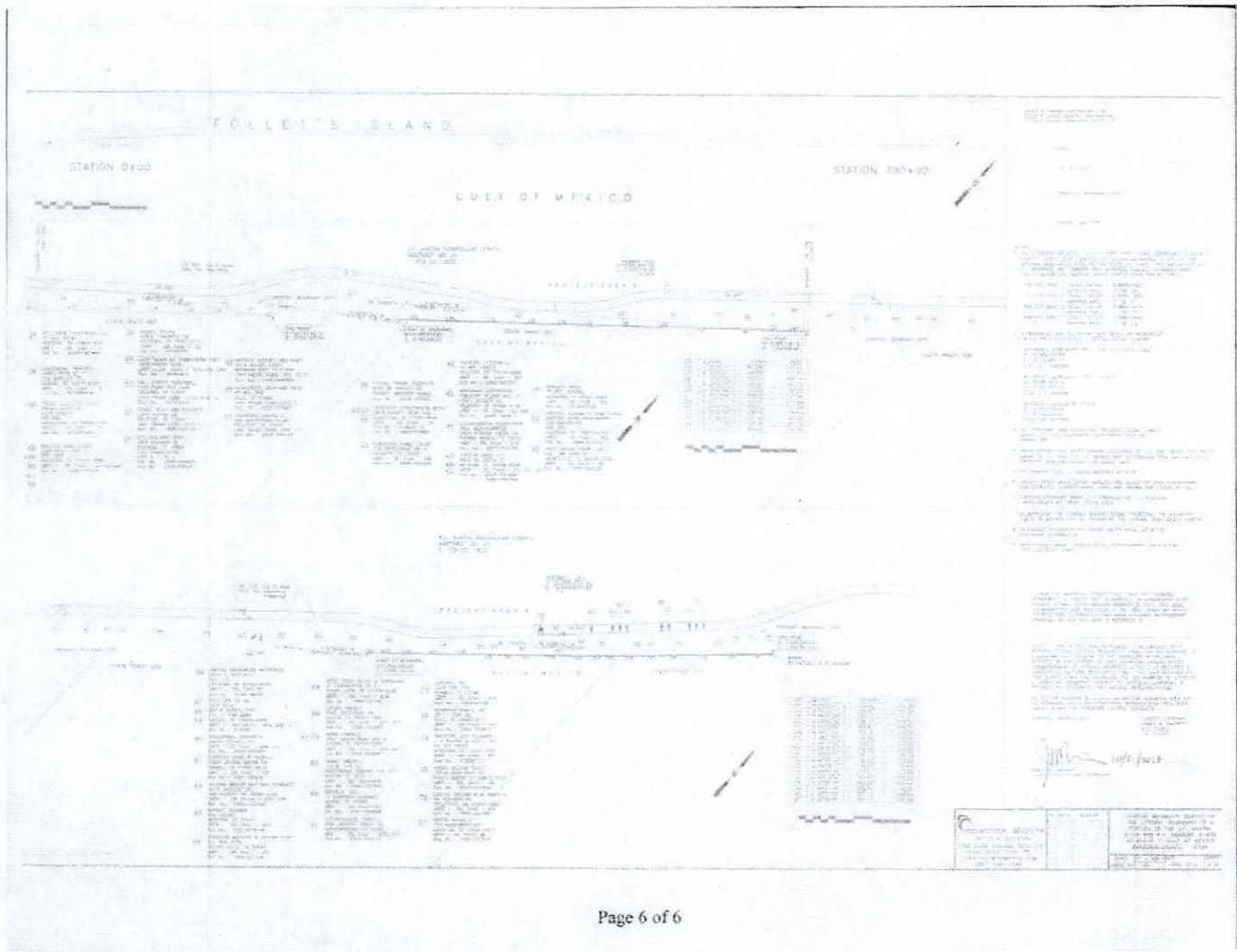
TEXAS GENERAL LAND OFFICE
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Co. Brazoria, Sketch No. 16

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 File Date 06/21/2018 by R. Kartve



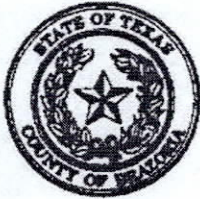
TEXAS GENERAL LAND OFFICE
 Art. 33.136, Natural Resources Code
 Co. Brazoria, Sketch No. 16
 File Date 06/21/2018 by R. Kartye

FILED and RECORDED

Instrument Number: 2014051754

Filing and Recording Date: 12/02/2014 08:29:32 AM Pages: 7 Recording Fee: \$51.00

I hereby certify that this instrument was FILED on the date and time stamped hereon and RECORDED in the OFFICIAL PUBLIC RECORDS of Brazoria County, Texas.



Joyce Hudman

Joyce Hudman, County Clerk
Brazoria County, Texas

ANY PROVISION CONTAINED IN ANY DOCUMENT WHICH RESTRICTS THE SALE, RENTAL, OR USE OF THE REAL PROPERTY DESCRIBED THEREIN BECAUSE OF RACE OR COLOR IS INVALID UNDER FEDERAL LAW AND IS UNENFORCEABLE.

DO NOT DESTROY - Warning, this document is part of the Official Public Record.

cc/ clerk-amanda

TEXAS GENERAL LAND OFFICE
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File Date 06/21/2018 by R. Kartye

Texas Register, Volume 40, Number 7, Pages 655-752, February 13, 2015 Page: 741

seeks a Water Use Permit to divert and use not to exceed 62 acre-feet of water per year from a point on the Lower Galveston Bay, San Jacinto-Brazos Coastal Basin, for non-consumptive industrial purposes in Galveston County. The application and fees were received on June 8, 2012. Additional information was received on August 6 and December 11, 2012, May 8, June 17, and July 1, 2013. The application was declared administratively complete and filed with the Office of the Chief Clerk on July 11, 2013. The Executive Director has completed the technical review of the application and prepared a draft permit. The draft permit, if granted, would contain special conditions including but not limited to, installment and maintenance of a measuring device. The application, technical memoranda, and Executive Director's draft permit are available for viewing and copying at the Office of the Chief Clerk, 12100 Park 35 Circle, Bldg. F, Austin, Texas 78753. Written public comments and requests for a public meeting should be submitted to the Office of Chief Clerk, at the address provided in the information section below, within 30 days of the date of newspaper publication of the notice.

INFORMATION SECTION

To view the complete issued notice, view the notice on our web site at www.tceq.texas.gov/comm_exec/cc/pub_notice.html or call the Office of the Chief Clerk at (512) 239-3300 to obtain a copy of the complete notice. When searching the web site, type in the issued date range shown at the top of this document to obtain search results.

A public meeting is intended for the taking of public comment, and is not a contested case hearing.

The Executive Director can consider approval of an application unless a written request for a contested case hearing is filed. To request a contested case hearing, you must submit the following: (1) your name (or for a group or association, an official representative), mailing address, daytime phone number, and fax number, if any; (2) applicant's name and permit number; (3) the statement [I/we] request a contested case hearing; and (4) a brief and specific description of how you would be affected by the application in a way not common to the general public. You may also submit any proposed conditions to the requested application which would satisfy your concerns. Requests for a contested case hearing must be submitted in writing to the TCEQ Office of the Chief Clerk at the address provided in the information section below.

If a hearing request is filed, the Executive Director will not issue the requested permit and may forward the application and hearing request to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

Written hearing requests, public comments or requests for a public meeting should be submitted to the Office of the Chief Clerk, MC 105, TCEQ, P.O. Box 13087, Austin, Texas 78711-3087. For information concerning the hearing process, please contact the Public Interest Counsel, MC 103, at the same address. For additional information, individual members of the general public may contact the Public Education Program at 1-800-687-4040. General information regarding the TCEQ can be found at our web site at www.tceq.texas.gov. Si desea información en español, puede llamar al 1-800-687-4040.

TRD-201500313
Bridget C. Bohac
Chief Clerk
Texas Commission on Environmental Quality
Filed: February 4, 2015

General Land Office

Notice of Approval of Coastal Boundary Survey

Pursuant to §33.136 of the Texas Natural Resources Code, notice is hereby given that Jerry Patterson, Commissioner of the General Land Office, approved a coastal boundary survey described as follows:

A Coastal Boundary Survey, dated March 2014, by James M. Naismith, Licensed State Land Surveyor, delineating portions of the littoral boundary lines of the R. H. Barrow Survey, Abstract 639 and the Stephen F. Austin Survey, Abstract 29 along the line of Mean High Water (Barrow) and the line of Mean Higher High Water (Austin) of the Gulf of Mexico, same line being the boundary of Gulf of Mexico Submerged Land Tracts 312, 320, 321, 330, 331, 344 & 345. The survey is in support of a beach dune restoration project, proposed under Coastal Erosion Planning & Response Act (CEPRA) project 1529 and situated on Follet's Island, southeasterly of County Road 257 and extending from a point approximately 1.3 miles southwesterly from San Luis Beach Subdivision, Section 1 to a point approximately 0.9 mile southwesterly from the Treasure Island Subdivision at San Luis Pass.

This survey is intended to provide pre-project baseline information related to an erosion response activity on coastal public lands. An owner of uplands adjoining the project area is entitled to continue to exercise littoral rights possessed prior to the commencement of the erosion response activity, but may not claim any additional land as a result of accretion, reliction, or avulsion resulting from the erosion response activity.

For a copy of this survey or more information on this matter, contact Bill O'Hara, Director of the Survey Division, Texas General Land Office, by phone at (512) 463-5212, email bill.o'hara@glo.texas.gov, or fax (512) 463-5223.

TRD-201500297
Larry L. Laine
Chief Clerk, Deputy Land Commissioner
General Land Office
Filed: February 3, 2015

Texas Board of Professional Geoscientists

Advisory Opinion

AOR #12 (2014)

Issue: What is the distinction between academic research and the public practice of geoscience?

Opinion: Most public institutions of higher education are members of a larger administrative system. Examples of such systems would be the University of Texas and the Texas A&M University Systems. Members of these systems include universities, colleges, extensions, and research entities. Each has specific responsibilities and tasks that may include basic and applied research activities by professionals of these agencies. These public institutions and agencies commonly "educate" the public and provide our state with expertise in wide ranging disciplines, including geosciences.

An exemption exists in the Texas Geoscience Practice Act (Act) §1002.252(4) that relates to work conducted by individuals who are employees of universities (public and private), colleges, and member institutions of university systems, where the work is performed for the benefit of the institution and under contract between the employee and the institution. This document seeks to clarify the position of the Texas Board of Professional Geoscientists (TBPG) regarding when an individual is performing tasks that are, or are not, exempted by TBPG rules and regulations.

Specifically, when an individual is performing work as a representative of a university (public and private), college, or member institutions of

TEXAS GENERAL LAND OFFICE
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IN ADDITION February 13, 2015 40 TexReg 741

Texas. Secretary of State. Texas Register, Volume 40, Number 7, Pages 655-752, February 13, 2015, periodical, February 13, 2015; Austin, Texas. (texashistory.unt.edu/ark:/67531/metaph606205/m1/87/?q=Naismith%20AND%20%22Coastal%20Boundary%20Survey%22: accessed June 21, 2018), University of North Texas Libraries, The Portal to Texas History, texashistory.unt.edu; crediting UNT Libraries Government Documents Department.