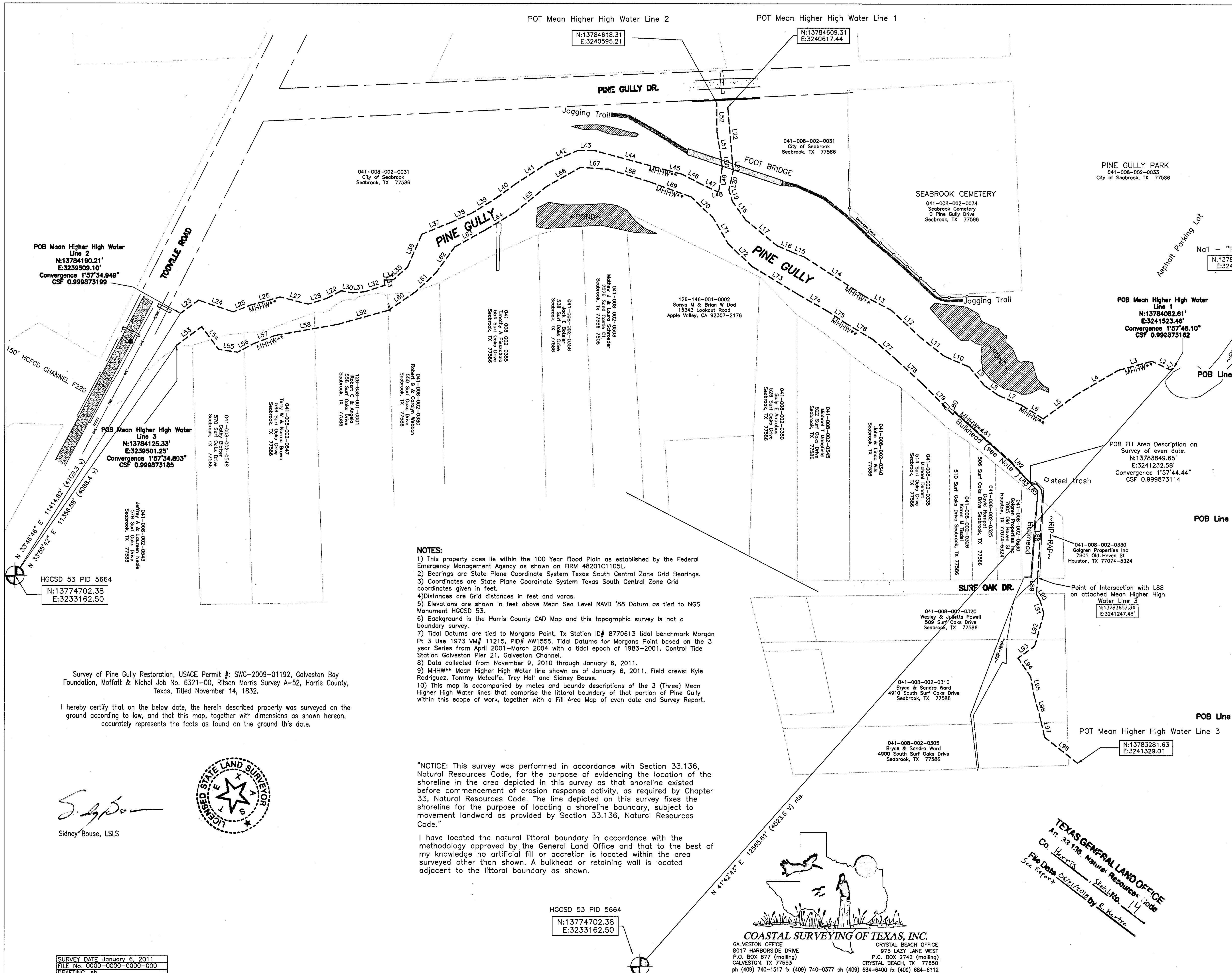
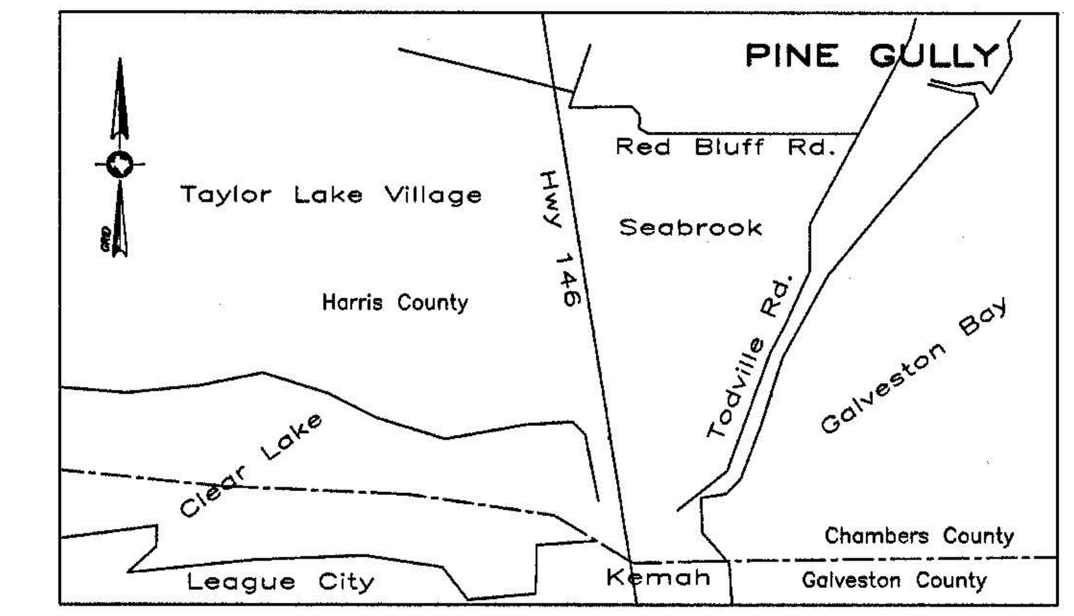


LINE	BEARING	Feet	Varas
L1	S 61°28'54" W	7.38'	2.7
L2	N 65°30'10" W	41.40'	14.9
L3	S 74°51'26" W	70.93'	25.5
L4	S 59°48'38" W	96.53'	34.8
L5	S 54°07'22" W	84.99'	30.6
L6	N 57°55'56" W	51.09'	18.4
L7	N 67°03'00" W	51.57'	18.6
L8	N 55°24'06" W	35.00'	12.6
L9	N 39°14'57" W	48.46'	17.4
L10	N 66°40'54" W	55.83'	20.1
L11	N 52°02'30" W	61.30'	22.1
L12	N 47°10'52" W	80.77'	29.1
L13	N 62°10'23" W	63.06'	22.7
L14	N 57°02'52" W	143.54'	51.7
L15	N 68°40'22" W	26.41'	9.5
L16	N 66°30'16" W	34.12'	12.3
L17	N 50°33'20" W	81.85'	29.5
L18	N 35°53'27" W	46.37'	16.7
L19	N 17°09'52" W	24.04'	8.7
L20	N 12°25'02" E	40.00'	14.4
L21	N 04°47'50" W	17.14'	6.2
L22	N 04°54'41" W	111.60'	40.2
L23	N 53°32'08" E	45.19'	16.3
L24	S 71°10'15" E	74.10'	26.7
L25	N 68°30'09" E	38.45'	13.8
L26	N 74°36'45" E	62.07'	22.3
L27	S 75°39'58" E	58.40'	21.0
L28	N 72°42'00" E	38.41'	13.8
L29	N 62°32'54" E	34.14'	12.3
L30	S 79°18'13" E	22.99'	8.3
L31	N 84°17'46" E	25.24'	9.1
L32	N 72°07'14" E	42.92'	15.5
L33	N 09°49'31" W	10.78'	3.9
L34	N 88°41'55" E	18.54'	6.7
L35	N 48°33'23" E	38.36'	13.8
L36	N 23°28'58" E	73.36'	26.4
L37	N 67°42'24" E	63.86'	23.0
L38	N 66°06'28" E	47.52'	17.1
L39	N 58°12'26" E	57.10'	20.6
L40	N 53°33'26" E	48.50'	17.5
L41	N 57°03'03" E	78.61'	28.3
L42	N 67°25'02" E	65.78'	23.7
L43	N 89°50'36" E	31.14'	11.2
L44	S 74°53'14" E	150.21'	54.1
L45	S 75°17'36" E	35.96'	12.9
L46	S 62°19'39" E	41.08'	14.8
L47	S 65°10'17" E	38.21'	13.8
L48	N 82°18'01" E	2.49'	0.9
L49	N 07°54'16" E	49.73'	17.9
L50	N 06°59'50" W	17.82'	6.4
L51	N 08°46'39" W	54.74'	19.7
L52	N 00°19'32" W	58.34'	21.0
L53	N 53°08'09" E	63.04'	22.7
L54	S 37°04'26" E	57.58'	20.7
L55	S 81°23'14" E	38.48'	13.9
L56	N 61°49'09" E	37.53'	13.5
L57	N 69°17'21" E	46.15'	16.6
L58	N 79°52'31" E	128.55'	46.3
L59	N 74°18'21" E	106.38'	38.3
L60	N 55°50'05" E	66.66'	24.0
L61	N 47°13'36" E	56.46'	20.3
L62	N 35°52'41" E	65.64'	23.6
L63	N 60°52'24" E	70.50'	25.4
L64	N 58°54'53" E	72.21'	26.0
L65	N 50°35'15" E	79.71'	28.7
L66	N 60°22'32" E	80.39'	28.9
L67	S 85°53'50" E	56.89'	20.5
L68	S 73°02'50" E	86.83'	31.3
L69	S 69°59'16" E	89.44'	32.2
L70	S 46°40'26" E	61.18'	22.0
L71	S 30°04'50" E	61.23'	22.0
L72	S 46°35'58" E	67.09'	24.2
L73	S 58°52'30" E	108.44'	39.0
L74	S 60°18'28" E	70.13'	25.2
L75	S 56°14'32" E	43.17'	15.5
L76	S 59°31'52" E	64.05'	23.1
L77	S 49°16'22" E	62.27'	22.4
L78	S 47°27'55" E	72.12'	26.0
L79	S 45°05'13" E	88.27'	31.8
L80	N 28°25'55" E	6.91'	2.5
L81	S 48°36'08" E	152.25'	54.8
L82	S 41°34'25" E	29.31'	10.6
L83	S 43°36'25" E	32.92'	11.9
L84	S 89°49'45" E	10.15'	3.7
L85	S 41°13'49" E	15.65'	5.6
L86	S 06°47'45" E	15.14'	5.5
L88	S 03°19'19" W	160.53'	57.8
L89	S 03°46'43" W	37.05'	13.3
L90	S 30°37'30" E	14.38'	5.2
L91	S 15°46'22" E	27.63'	9.95
L92	S 15°48'07" W	68.79'	24.76
L93	S 54°47'23" W	41.19'	14.83
L94	S 34°14'33" E	45.95'	16.5
L95	S 10°15'24" E	38.23'	13.8
L96	S 15°17'58" E	52.44'	18.9
L97	S 12°48'09" E	35.27'	12.7
L98	S 52°04'10" E	84.95'	30.6

POB Line 1: L1; POT Line 1: L22; POB Line 2: L23; POT Line 2: L52; POB Line 3: L53; POT Line 3: L98

NOTE: Line L87 not used.



VICINITY MAP (not to scale)

NOTES:

1) This property does lie within the 100 Year Flood Plain as established by the Federal Emergency Management Agency as shown on FIRM 48201C1105L.
2) Bearings are State Plane Coordinate System Texas South Central Zone Grid Bearings.
3) Coordinates are State Plane Coordinate System Texas South Central Zone Grid coordinates given in feet.
4)Distances are Grid distances in feet and varas.
5) Elevations are shown in feet above Mean Sea Level NAVD '88 Datum as tied to NGS Monument HGCSD 53.
6) Background is the Harris County CAD Map and this topographic survey is not a boundary survey.
7) Tidal Datums are tied to Morgans Point, Tx Station ID# 8770613 tidal benchmark Morgan Pt 3 Use 1973 VM# 11215, PID# AW1555. Tidal Datums for Morgans Point based on the 3 year Series from April 2001–March 2004 with a tidal epoch of 1983–2001. Control Tide Station Galveston Pier 21, Galveston Channel.
8) Data collected from November 9, 2010 through January 6, 2011.
9) MHHW** Mean Higher High Water line shown as of January 6, 2011. Field crews: Kyle Rodriguez, Tommy Metcalfe, Trey Hall and Sidney Bouse.
10) This map is accompanied by metes and bounds descriptions of the 3 (Three) Mean Higher High Water lines that comprise the littoral boundary of that portion of Pine Gully within this scope of work, together with a Fill Area Map of even date and Survey Report.

Survey of Pine Gully Restoration, USACE Permit #: SWG-2009-01192, Galveston Bay Foundation, Moffatt & Nichol Job No. 6321-00, Ritson Morris Survey A-52, Harris County, Texas, Titled November 14, 1832.

I hereby certify that on the below date, the herein described property was surveyed on the ground according to law, and that this map, together with dimensions as shown hereon, accurately represents the facts as found on the ground this date.

"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."

I have located the natural littoral boundary in accordance with the methodology approved by the General Land Office and that to the best of my knowledge no artificial fill or accretion is located within the area surveyed other than shown. A bulkhead or retaining wall is located adjacent to the littoral boundary as shown.

LICENSED STATE LAND SURVEYOR

Sidney Bouse, LSLS

SURVEY DATE January 6, 2011
FILE No. 0000-0000-0000-000
DRAFTING sb
JOB No. 10-1545pntsLSLS

COASTAL SURVEYING OF TEXAS, INC.
GALVESTON OFFICE
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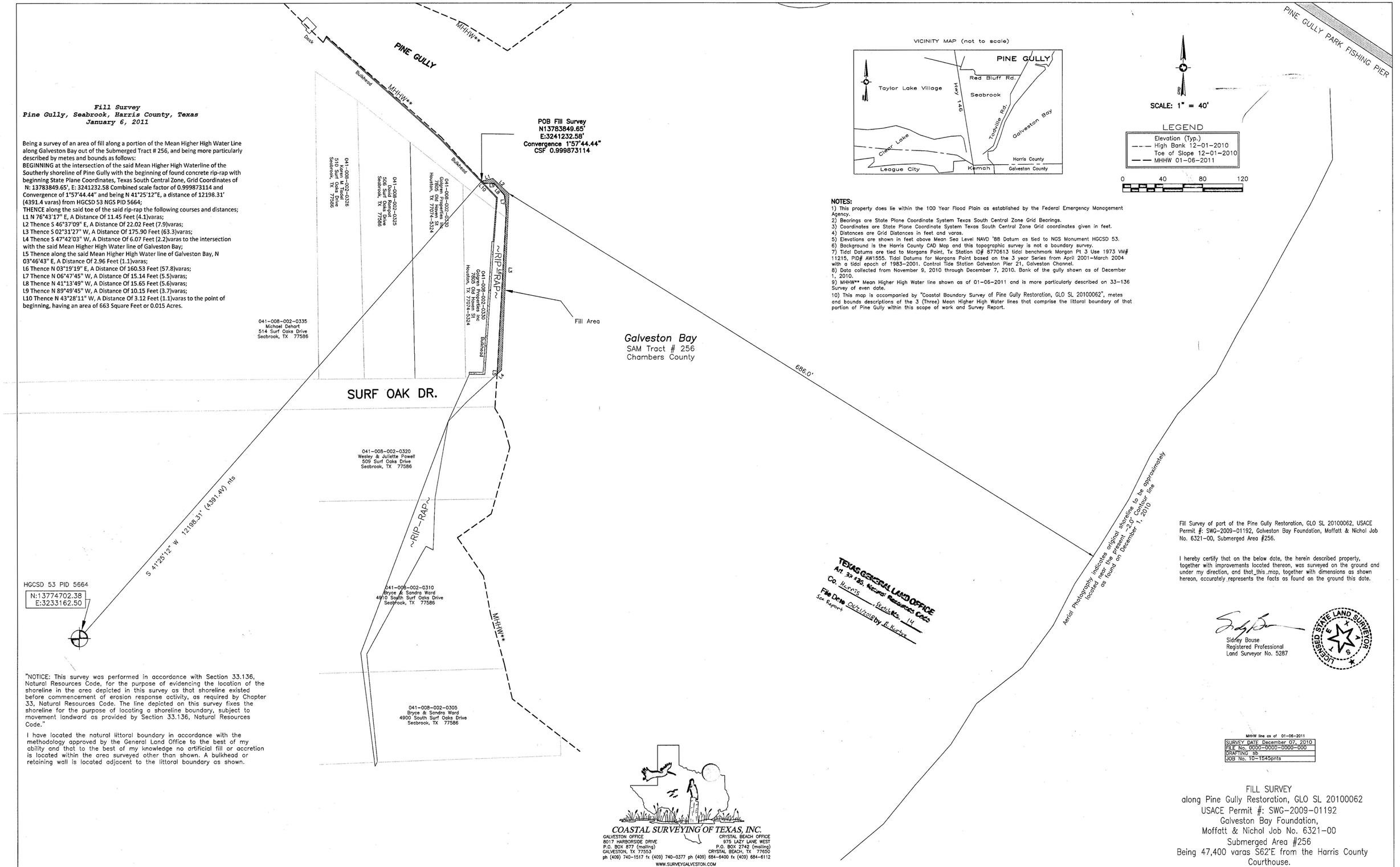
COASTAL BOUNDARY SURVEY

of Pine Gully Restoration, GLO SL 20100062
USACE Permit #: SWG-2009-01192
Galveston Bay Foundation,
Moffatt & Nichol Job No. 6321-00
Ritson Morris Survey A-52,
Harris County, Texas, Titled November 14, 1832
Being 47,400 varas S62°E from the Harris County Courthouse.

Galveston Bay
Chambers County
SAM Tract # 256

Fill Survey
Pine Gully, Seabrook, Harris County, Texas
January 6, 2011

Being a survey of an area of fill along a portion of the Mean Higher High Water Line along Galveston Bay out of the Submerged Tract # 256, and being more particularly described by metes and bounds as follows:
BEGINNING at the intersection of the said Mean Higher High Waterline of the Southerly shoreline of Pine Gully with the beginning of found concrete rip-rap with beginning State Plane Coordinates, Texas South Central Zone, Grid Coordinates of N: 13783849.65', E: 3241232.58 Combined scale factor of 0.999873114 and Convergence of 1°57'44.44" and being N 41°25'12"E, a distance of 12198.31' (4391.4 varas) from HGCSD 53 NGS PID 5664;
THENCE along the said toe of the said rip-rap the following courses and distances;
L1 N 76°43'17" E, A Distance Of 11.45 Feet (4.1)varas;
L2 Thence S 46°37'09" E, A Distance Of 22.02 Feet (7.9)varas;
L3 Thence S 02°31'27" W, A Distance Of 175.90 Feet (63.3)varas;
L4 Thence S 47°42'03" W, A Distance Of 6.07 Feet (2.2)varas to the intersection with the said Mean Higher High Water line of Galveston Bay;
L5 Thence along the said Mean Higher High Water line of Galveston Bay, N 03°46'43" E, A Distance Of 2.96 Feet (1.1)varas;
L6 Thence N 03°19'19" E, A Distance Of 160.53 Feet (57.8)varas;
L7 Thence N 06°47'45" W, A Distance Of 15.14 Feet (5.5)varas;
L8 Thence N 41°13'49" W, A Distance Of 15.65 Feet (5.6)varas;
L9 Thence N 89°49'45" W, A Distance Of 10.15 Feet (3.7)varas;
L10 Thence N 43°28'11" W, A Distance Of 3.12 Feet (1.1)varas to the point of beginning, having an area of 663 Square Feet or 0.015 Acres.



VICINITY MAP (not to scale)

SCALE: 1" = 40'

LEGEND
Elevation (Typ.)
High Bank 12-01-2010
Toe of Slope 12-01-2010
MHHW 01-06-2011

0 40 80 120

NOTES:
1) This property does lie within the 100 Year Flood Plain as established by the Federal Emergency Management Agency.
2) Bearings are State Plane Coordinate System Texas South Central Zone Grid Bearings.
3) Coordinates are State Plane Coordinate System Texas South Central Zone Grid coordinates given in feet.
4) Distances are Grid Distances in feet and varas.
5) Elevations are shown in feet above Mean Sea Level NAVD '88 Datum as tied to NGS Monument HGCSD 53.
6) Background is the Harris County CAD Map and this topographic survey is not a boundary survey.
7) Tidal Datums are tied to Morgans Point, Tx Station ID# 8770613 tidal benchmark Morgan Pt 3 Use 1973 VM# 11215, PID# AW1555. Tidal Datums for Morgans Point based on the 3 year Series from April 2001-March 2004 with a tidal epoch of 1983-2001. Control Tide Station Galveston Pier 21, Galveston Channel.
8) Data collected from November 9, 2010 through December 7, 2010. Bank of the gully shown as of December 1, 2010.
9) MHHW** Mean Higher High Water line shown as of 01-06-2011 and is more particularly described on 33-136 Survey of even date.
10) This map is accompanied by "Coastal Boundary Survey of Pine Gully Restoration, GLO SL 20100062", metes and bounds descriptions of the 3 (three) Mean Higher High Water lines that comprise the littoral boundary of that portion of Pine Gully within this scope of work and Survey Report.

"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."

I have located the natural littoral boundary in accordance with the methodology approved by the General Land Office to the best of my ability and that to the best of my knowledge no artificial fill or accretion is located within the area surveyed other than shown. A bulkhead or retaining wall is located adjacent to the littoral boundary as shown.

TEXAS GENERAL LAND OFFICE
Art. 33.136, Nat. Res. Resources Code
Co. Harris Sketch No. 14
File Date Oct/2010 by R. Hartke
See Report

Fil Survey of part of the Pine Gully Restoration, GLO SL 20100062, USACE Permit #: SWG-2009-01192, Galveston Bay Foundation, Moffatt & Nichol Job No. 6321-00, Submerged Area #256.

I hereby certify that on the below date, the herein described property, together with improvements located thereon, was surveyed on the ground and under my direction, and that this map, together with dimensions as shown hereon, accurately represents the facts as found on the ground this date.

Sidney Bouse
Registered Professional
Land Surveyor No. 5287

LICENSED STATE LAND SURVEYOR

MHW line as of 01-06-2011

SURVEY DATE December 07, 2010
FILE No. 0000-0000-0000-000
DRAFTING sb
JOB No. 10-1545pnts

FILL SURVEY
along Pine Gully Restoration, GLO SL 20100062
USACE Permit #: SWG-2009-01192
Galveston Bay Foundation,
Moffatt & Nichol Job No. 6321-00
Submerged Area #256
Being 47,400 varas S62'E from the Harris County Courthouse.

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NRC Art. 33.136 Harris Co. Sketch 14

TEXAS GENERAL LAND OFFICE

JERRY PATTERSON, COMMISSIONER

Surveying Division
Coastal Boundary Survey Approval

Project: Pine Gully Restoration, Harris County

Project No: SL 20100062 (Texas General Land Office)

Project Manager: Jeffrey Davis, TGLO Regional Director, Upper Coast

Surveyor: D.S. 6-20-18 Sidney Bouse ~~Gary C. Bowes~~, Licensed State Land Surveyor

Description: Coastal Boundary Survey, dated January 6, 2011, together with an associated Fill Survey, dated December 07, 2010, conducted by Mr. Sidney Bouse, Licensed State Land Surveyor. Survey depicts littoral boundary line of the Ritson Morris Survey, Abstract 52, along both banks of Pine Gully, from Todville Road to Galveston Bay, adjacent to and south of Pine Gully Park, Harris County.

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. Pyle — Survey Division

March 15, 2011 — Date

Approval Filed as:

Tex.Nat.Res.Code Article 33.136, Harris ~~County Report~~ Sketch No. 14 RK

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Harris, Sketch No. 14
File Date 06/21/2018 by R. Kertye

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94818

Survey Report for the COASTAL BOUNDARY SURVEY of Pine Gully Restoration, GLO SL20100062, USACE Permit# SWG-2009-01192, Galveston Bay Foundation, Moffatt & Nichol Job No. 6321-00, Ritson Morris Survey A-52, Harris County, Seabrook, Harris County, Texas
January 6, 2011

I conducted a Coastal Boundary Survey for the Pine Gully Restoration Project, USACE Permit# SWG-2009-01192, Galveston Bay Foundation, Moffatt & Nichol Job No. 6321-00 in the Ritson Morris Survey A-52, Harris County, Seabrook, Harris County, Texas on January 6, 2011, as authorized by Larry Wise, Moffatt & Nichol in my official capacity as a Licensed State Land Surveyor of the State of Texas.

HISTORY

The Ritson Morris Survey A-52, Harris County, Texas was originally surveyed by Lute Ingramm. I see no survey date on the English Translation of the field notes (6-159), but the land was Titled to Ritson Morris on November 14, 1832.

CONSTRUCTION

Topographic data was collected on site between November 9, 2010 through January 6, 2011 by Sidney Bouse together with Kyle Rodriguez, Tommy Metcalfe and Trey Hall. Pine Gully is a very dynamic shoreline, and the final data collected on January 6, 2011 is the only data actually used for the 33-136 Survey boundary. The survey is tied to NGS Monument HGCSD 53 PID 5664 for Horizontal control. The Tidal Datum for the survey are tied to the Morgans Point Tx Station ID#8770613 based on the 3 year series April 2001- March 2004 with a tidal Epoch 1983-2001 utilizing Morgan Pt 3 Use 1973 VM# 11215, PID AW1555. Morgan Pt 3 Use 1973 has been transferred to the site using Trimble RTK with fixed height rods with multiple occupations for checks. The elevation of the Mean Higher High Water was transferred to the shoreline and the map dated January 6, 2011 reflects the results of this survey.

The Fill Survey is a part of this 33-136 survey. Part of this survey requires me to locate the original littoral boundary. Using aerial photography from 1944, I have scaled from Todville road to the apparent shoreline as seen on the 1944 aerial. Using that scaled distance as my best evidence of the original littoral boundary, I find the line to fall approximately along the current -2' contour line of Galveston Bay. The distance shown on the attached Fill Survey map reflects this construction.

I hereby certify that the attached survey was surveyed according to law in the field on above dates.

Sidney Bouse, LSLS
Registered Professional Land Surveyor No. 5287 LSLS
P.O. Box 2742
Crystal Beach, Texas 77554
(409) 684-6400
sid@surveygalveston.com

10-1545 Survey Report for Pine Gully.dox

Mean Higher High Water Line 1
COASTAL BOUNDARY SURVEY of Pine Gully Restoration GLO SL 20100062,
Seabrook, Harris County, Texas
January 6, 2011

Being a portion of the Mean Higher High Water Line along Galveston Bay out of the Ritson Morris League, A-52, Harris County, Texas, and also being along Pine Gully Park, Seabrook, Texas, and being more particularly described by metes and bounds as follows:
BEGINNING at the said Mean Higher High Waterline of Galveston Bay, along the Northerly shoreline of Pine Gully and the Southerly line of the Seabrook Park with beginning State Plane Coordinates, Texas South Central Zone, Grid Coordinates of N: 13784082.61', E: 3241523.46' Combine scale factor of 0.999873162 and Convergence of 1°57'46.10102" and being N 41°42'43"E, a distance of 12565.61' (4523.6 varas) from HGCSD 53 NGS PID 5664;
THENCE along the said Mean Higher High waterline of Pine Gully the following courses and distances;
L1 S 61°28'54" W, A Distance Of 7.38 feet (2.7)varas;
L2 Thence N 65°30'10" W, A Distance Of 41.40 feet (14.9)varas;
L3 Thence S 74°51'26" W, A Distance Of 70.93 feet (25.5)varas;
L4 Thence S 59°48'38" W, A Distance Of 96.53 feet (34.8)varas;
L5 Thence S 54°07'22" W, A Distance Of 84.99 feet (30.6)varas;
L6 Thence N 57°55'56" W, A Distance Of 51.09 feet (18.4)varas;
L7 Thence N 67°03'00" W, A Distance Of 51.57 feet (18.6)varas;
L8 Thence N 55°24'06" W, A Distance Of 35.00 feet (12.6)varas;
L9 Thence N 39°14'57" W, A Distance Of 48.46 feet (17.4)varas;
L10 Thence N 66°40'54" W, A Distance Of 55.83 feet (20.1)varas;
L11 Thence N 52°02'30" W, A Distance Of 61.30 feet (22.1)varas;
L12 Thence N 47°10'52" W, A Distance Of 80.77 feet (29.1)varas;
L13 Thence N 62°10'23" W, A Distance Of 63.06 feet (22.7)varas;
L14 Thence N 57°02'52" W, A Distance Of 143.54 feet (51.7)varas;
L15 Thence N 68°40'22" W, A Distance Of 26.41 feet (9.5)varas;
L16 Thence N 66°30'16" W, A Distance Of 34.12 feet (12.3)varas;
L17 Thence N 50°33'20" W, A Distance Of 81.85 feet (29.5)varas;
L18 Thence N 35°53'27" W, A Distance Of 46.37 feet (16.7)varas;
L19 Thence N 17°09'52" W, A Distance Of 24.04 feet (8.7)varas;
L20 Thence N 12°25'02" E, A Distance Of 40.00 feet (14.4)varas;
L21 Thence N 04°47'50" W, A Distance Of 17.14 feet (6.2)varas;
L22 Thence N 04°54'41" W , A Distance Of 111.60 feet(40.2)varas to a point on the Southerly line of Pine Gully Drive and to the point of termination coordinates of N: 13784609.31', E: 3240617.44'.

This description is part of "Coastal Boundary Survey of Pine Gully Restoration, GLO SL20100062.
This description is accompanied by "Fill Survey along Pine Gully Restoration, GLO SL 20100062", Survey Report and two (2) additional descriptions that comprise the balance of the Coastal Boundary under this scope of work.

Sidney Bouse LSLS Coastal Surveying of Texas, Inc.

LICENSED STATE LAND SURVEYOR TEXAS

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Harris, Sketch No. 14
File Date 06/21/2018 by R. Kartye

94820

Mean Higher High Water Line 2
COASTAL BOUNDARY SURVEY of Pine Gully Restoration GLO SL 20100062,
Seabrook, Harris County, Texas
January 6, 2011

Being a portion of the Mean Higher High Water Line along Galveston Bay out of the Ritson Morris League, A-52, Harris County, Texas, and also being along Pine Gully Park, Seabrook, Texas, and being more particularly described by metes and bounds as follows:
BEGINNING at the said Mean Higher High Waterline of Galveston Bay, along the Northerly shoreline of Pine Gully and the Southerly line of the Seabrook Park with beginning State Plane Coordinates, Texas South Central Zone, Grid Coordinates of N: 13784190.21', E: 3239509.10' Combine scale factor of 0.999873199 and Convergence of 1°57'34.949" and being N 33°46'46"E, a distance of 11414.82' (4109.3 varas) from HGCSD 53 NGS PID 5664;
THENCE along the said Mean Higher High waterline of Pine Gully the following courses and distances;
L23 N 53°32'08" E, A Distance Of 45.19 feet (16.3)varas;
L24 Thence S 71°10'15" E, A Distance Of 74.10 feet (26.7)varas;
L25 Thence N 68°30'09" E, A Distance Of 38.45 feet (13.8)varas;
L26 Thence N 74°36'45" E, A Distance Of 62.07 feet (22.3)varas;
L27 Thence S 75°39'58" E, A Distance Of 58.40 feet (21.0)varas;
L28 Thence N 72°42'00" E, A Distance Of 38.41 feet (13.8)varas;
L29 Thence N 62°32'54" E, A Distance Of 34.14 feet (12.3)varas;
L30 Thence S 79°18'13" E, A Distance Of 22.99 feet (8.3)varas;
L31 Thence N 84°17'46" E, A Distance Of 25.24 feet (9.1)varas;
L32 Thence N 72°07'14" E, A Distance Of 42.92 feet (15.5)varas;
L33 Thence N 09°49'31" W, A Distance Of 10.78 feet (3.9)varas;
L34 Thence N 88°41'55" E, A Distance Of 18.54 feet (6.7)varas;
L35 Thence N 48°33'23" E, A Distance Of 38.36 feet (13.8)varas;
L36 Thence N 23°28'58" E, A Distance Of 73.36 feet (26.4)varas;
L37 Thence N 67°42'24" E, A Distance Of 63.86 feet (23.0)varas;
L38 Thence N 66°06'28" E, A Distance Of 47.52 feet (17.1)varas;
L39 Thence N 58°12'26" E, A Distance Of 57.10 feet (20.6)varas;
L40 Thence N 53°33'26" E, A Distance Of 48.50 feet (17.5)varas;
L41 Thence N 57°03'03" E, A Distance Of 78.61 feet (28.3)varas;
L42 Thence N 67°25'02" E, A Distance Of 65.78 feet (23.7)varas;
L43 Thence N 89°50'36" E, A Distance Of 31.14 feet (11.2)varas;
L44 Thence S 74°53'14" E, A Distance Of 150.21 feet (54.1)varas;
L45 Thence S 75°17'36" E, A Distance Of 35.96 feet (12.9)varas;
L46 Thence S 62°19'39" E, A Distance Of 41.08 feet (14.8)varas;
L47 Thence S 65°10'17" E, A Distance Of 38.21 feet (13.8)varas;
L48 Thence N 82°18'01" E, A Distance Of 2.49 feet (0.9)varas;
L49 Thence N 07°54'16" E, A Distance Of 49.73 feet (17.9)varas;
L50 Thence N 06°59'50" W, A Distance Of 17.82 feet (6.4)varas;
L51 Thence N 08°46'39" W, A Distance Of 54.74 feet (19.7)varas;
L52 Thence N 00°19'32" W, A Distance Of 58.34 Feet (21.0) varas to a point on the Southerly line of Pine Gully Drive and to the point of termination with coordinates of N: 13784618.31', E: 3240595.21'.

This description is part of "Coastal Boundary Survey of Pine Gully Restoration, GLO SL20100062.
This description is accompanied by "Fill Survey along Pine Gully Restoration, GLO SL 20100062", Survey Report and two (2) additional descriptions that comprise the balance of the Coastal Boundary under this scope of work.

Sidney Bouse LSLS Coastal Surveying of Texas, Inc.

LICENSED STATE LAND SURVEYOR
TEXAS

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Harris, Sketch No. 14
File Date 06/21/2018 by R. Kartye

94821

Mean Higher High Water Line 3
COASTAL BOUNDARY SURVEY of Pine Gully Restoration GLO SL 20100062,
Seabrook, Harris County, Texas
January 6, 2011

Being a portion of the Mean Higher High Water Line along Galveston Bay out of the Ritson Morris League, A-52, Harris County, Texas, and also being along Pine Gully Park, Seabrook, Texas, and being more particularly described by metes and bounds as follows:
BEGINNING at the said Mean Higher High Waterline of the Southerly shoreline of Pine Gully with beginning State Plane Coordinates, Texas South Central Zone, Grid Coordinates of N: 13784125.33', E: 3239501.25' Combine scale factor of 0.999873185 and Convergence of 1°57'34.893" and being N 33°55'42"E, a distance of 11356.58' (4088.4 varas) from HGCSD 53 NGS PID 5664;
THENCE along the said Mean Higher High waterline of Pine Gully the following courses and distances;

L53 N 53°08'09" E, A Distance Of 63.04 feet (22.7)varas;
L54 Thence S 37°04'26" E, A Distance Of 57.58 feet (20.7)varas;
L55 Thence S 81°23'14" E, A Distance Of 38.48 feet (13.9)varas;
L56 Thence N 61°49'09" E, A Distance Of 37.53 feet (13.5)varas;
L57 Thence N 69°17'21" E, A Distance Of 46.15 feet (16.6)varas;
L58 Thence N 79°52'31" E, A Distance Of 128.55 feet (46.3)varas;
L59 Thence N 74°18'21" E, A Distance Of 106.38 feet (38.3)varas;
L60 Thence N 55°50'05" E, A Distance Of 66.66 feet (24.0)varas;
L61 Thence N 47°13'36" E, A Distance Of 56.46 feet (20.3)varas;
L62 Thence N 35°52'41" E, A Distance Of 65.64 feet (23.6)varas;
L63 Thence N 60°52'24" E, A Distance Of 70.50 feet (25.4)varas;
L64 Thence N 58°54'53" E, A Distance Of 72.21 feet (26.0)varas;
L65 Thence N 50°35'15" E, A Distance Of 79.71 feet (28.7)varas;
L66 Thence N 60°22'32" E, A Distance Of 80.39 feet (28.9)varas;
L67 Thence S 85°53'50" E, A Distance Of 56.89 feet (20.5)varas;
L68 Thence S 73°02'50" E, A Distance Of 86.83 feet (31.3)varas;
L69 Thence S 69°59'16" E, A Distance Of 89.44 feet (32.2)varas;
L70 Thence S 46°40'26" E, A Distance Of 61.18 feet (22.0)varas;
L71 Thence S 30°04'50" E, A Distance Of 61.23 feet (22.0)varas;
L72 Thence S 46°35'58" E, A Distance Of 67.09 feet (24.2)varas;
L73 Thence S 58°52'30" E, A Distance Of 108.44 feet (39.0)varas;
L74 Thence S 60°18'28" E, A Distance Of 70.13 feet (25.2)varas;
L75 Thence S 56°14'32" E, A Distance Of 43.17 feet (15.5)varas;
L76 Thence S 59°31'52" E, A Distance Of 64.05 feet (23.1)varas;
L77 Thence S 49°16'22" E, A Distance Of 62.27 feet (22.4)varas;
L78 Thence S 47°27'55" E, A Distance Of 72.12 feet (26.0)varas;
L79 Thence S 45°05'13" E, A Distance Of 88.27 feet (31.8)varas;
L80 Thence N 28°25'55" E, A Distance Of 6.91 feet (2.5)varas;
L81 Thence S 48°36'08" E, A Distance Of 152.25 feet (54.8)varas;
L82 Thence S 41°34'25" E, A Distance Of 29.31 feet (10.6)varas;
L83 Thence S 43°36'25" E, A Distance Of 32.92 feet (11.9)varas;
L84 Thence S 89°49'45" E, A Distance Of 10.15 feet (3.7)varas;
L85 Thence S 41°13'49" E, A Distance Of 15.65 feet (5.6)varas;
L86 Thence S 06°47'45" E, A Distance Of 15.14 feet (5.5)varas;
L88 Thence S 03°19'19" W, A Distance Of 160.53 feet (57.8)varas;
L89 Thence S 03°46'43" W, A Distance Of 37.05 feet (13.3)varas;
L90 Thence S 30°37'30" E, A Distance Of 14.38 feet (5.2)varas;
L91 Thence S 15°46'22" E, A Distance Of 27.63 feet (9.9)varas;
L92 Thence S 15°48'07" W, A Distance Of 68.79 feet (24.8)varas;
L93 Thence S 54°47'23" W, A Distance Of 41.19 feet (14.8)varas;
L94 Thence S 34°14'33" E, A Distance Of 45.95 feet (16.5)varas;
L95 Thence S 10°15'24" E, A Distance Of 38.23 feet (13.8)varas;
L96 Thence S 15°17'58" E, A Distance Of 52.44 feet (18.9)varas;
L97 Thence S 12°48'09" E, A Distance Of 35.27 feet (12.7)varas;
L98 Thence S 52°04'10" E, A Distance Of 84.95 Feet (30.6)varas to a point on the Westerly shoreline of Galveston Bay and to the point of termination with coordinates of N: 13783281.63', E: 3241329.01'.
(Note Line 87 not used in the above description or on the attached 33-136 survey.)

This description is part of "Coastal Boundary Survey of Pine Gully Restoration, GLO SL20100062.
This description is accompanied by "Fill Survey along Pine Gully Restoration, GLO SL 20100062", Survey Report and two (2) additional descriptions that comprise the balance of the Coastal Boundary under this scope of work.

Sidney Bouse LSLS Coastal Surveying of Texas, Inc.

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