



FIELD NOTE DESCRIPTION (MAINLAND AREA)

Being the line of Mean Higher High Water of Galveston Bay State Submerged Tract No. 302, along a portion of the Miguel Muldoon Two League Grant, Abstract Number 18, Galveston County, Texas. The meander line of said Mean Higher High Water being more particularly described as follows (coordinates and bearings are grid values referenced to the Texas Coordinate System of 1983, South Central Zone and NGS Monuments "HGCSD 53" and "HGCSD 50" Distances shown are surface distances unless noted and may be converted to grid distances by multiplying by a scale factor of 0.999875000):

COMMENCING at NGS Monument "HGCSD 53" which has grid coordinates of N=13,774,702.40 feet (4,958,892.864 varas) and E=3,233,162.51 feet (1,163,938.504 varas), from which NGS Monument "HGCSD 50" Bears North 15°34'03" East;

THENCE, South 20°06'25" East, a grid distance of 12,059.28 feet (4,341.340 varas) to a point on the line of Mean Higher High Water of Galveston Bay and the easterly line of said Miguel Muldoon Two League Grant for the POINT OF BEGINNING and northerly end of said meander line, having grid coordinates of N=13,763,378.10 feet (4,954,816.115 varas) and E=3,237,308.15 feet (1,165,430.933 varas);

THENCE, in a generally southerly direction, along said meander line of Mean Higher High Water of Galveston Bay the following thirty-four (34) courses:

(L1) South 24°54'40" East, a distance of 2.36 feet (0.848 varas) to a point; (L2) South 47*57'20" West, a distance of 19.29 feet (6.945 varas) to a point; (L3) South 32°08'48" West, a distance of 9.25 feet (3.331 varas) to a point; (L4) South 13°12'27" East, a distance of 15.29 feet (5.504 varas) to a point; (L5) South 10°41'11" West, a distance of 20.05 feet (7.219 varas) to a point; (L6) South 62°06'44" West, a distance of 18.30 feet (6.586 varas) to a point; (L7) South 13°46'01" West, a distance of 20.16 feet (7.256 varas) to a point; (L8) South 11°25'56" East, a distance of 31.68 feet (11.406 varas) to a point; (L9) South 28°23'06" East, a distance of 46.12 feet (16.604 varas) to a point; (L10) South 04°00'47" East, a distance of 49.30 feet (17.750 varas) to a point (L11) South 09°44'10" West, a distance of 16.79 feet (6.045 varas) to a point designated as Point "A": (L12) South 29°10'12" West, a distance of 46.54 feet (16.754 varas) to a point (L13) South 47.43'37" West, a distance of 54.91 feet (19.766 varas) to a point; (L14) South 32*33'13" West, a distance of 39.94 feet (14.377 varas) to a point (L15) South 08°05'11" West, a distance of 43.56 feet (15.682 varas) to a point (L16) South 05°21'28" East, a distance of 45.13 feet (16.248 varas) to a point; (L17) South 07°07'42" East, a distance of 48.87 feet (17.593 varas) to a point (L18) South 12°31'34" East, a distance of 23.61 feet (8.500 varas) to a point; (L19) South 15.52'49" East, a distance of 50.94 feet (18.339 varas) to a point; (L20) South 22°47'25" East, a distance of 52.64 feet (18.951 varas) to a point; (L21) South 27'09'47" East, a distance of 49.00 feet (17.640 varas) to a point (L22) South 27*51'16" East, a distance of 49.04 feet (17.655 varas) to a point; (L23) South 30°52'53" East, a distance of 48.29 feet (17.383 varas) to a point; (L24) South 34.12'09" East, a distance of 52.69 feet (18.969 varas) to a point; (L25) South 35°57'29" East, a distance of 52.67 feet (18.960 varas) to a point; (L26) South 39°40'00" East, a distance of 47.87 feet (17.233 varas) to a point; (L27) South 86°35'40" East, a distance of 13.51 feet (4.865 varas) to a point; (L28) North 71°44'31" East, a distance of 20.63 feet (7.427 varas) to a point; (L29) North 54°05'46" East, a distance of 11.47 feet (4.128 varas) to a point; (L30) North 87.36'44" East, a distance of 23.44 feet (8.439 varas) to a point; (L31) South 83.04'35" East, a distance of 17.37 feet (6.252 varas) to a point; (L32) South 88°38'25" East, a distance of 32.65 feet (11.754 varas) to a point; (L33) North 85'15'51" East, a distance of 18.90 feet (6.805 varas) to a point; (L34) South 51°19'58" East, a distance of 3.29 feet (1.184 varas) to the end of said meander line, having grid coordinates of N=13,762,545.40 feet (4,954,516.342

FIELD NOTE DESCRIPTION (REMNANT AREA)

varas) and E=3,237,554.53 feet (1,165,519.631 varas).

Being the line of Mean Higher High Water of Galveston Bay State Submerged Tract No. 302, along a remnant portion of the Miguel Muldoon Two League Grant, Abstract Number 18, Galveston County, Texas. The meander line of said Mean Higher High Water being more particularly described as follows (coordinates and bearings are grid values referenced to the Texas Coordinate System of 1983, South Central Zone and NGS Monuments "HGCSD 53" and "HGCSD 50". Distances shown are surface distances unless noted and may be converted to grid distances by multiplying by a scale factor of 0.999875000):

COMMENCING at the point designated as Point "A" referenced above;

THENCE, (L35) South 61°07'14" East, a distance of 48.73 feet (17.542 varas) to a point on the line of Mean Higher High Water of Galveston Bay for the POINT OF BEGINNING and northwesterly corner said remnant area of the Miguel Muldoon Two League Grant, having grid coordinates of N=13,763,131.61 feet (4,954,727.381 varas) and E=3,237,340.18 feet (1,165,442.465 varas);

THENCE, in an easterly, southerly, westerly and northerly direction, along said meander line of Mean Higher High Water of Galveston Bay the following twelve (12) courses:

(L36) North 68°39'21" East, a distance of 11.90 feet (4.283 varas) to a point; (L37) North 47.34'34" East, a distance of 17.30 feet (6.227 varas) to a point; (L38) North 86°17'23" East, a distance of 9.30 feet (3.346 varas) to a point; (L39) North 30°20'08" East, a distance of 10.73 feet (3.864 varas) to a point; (L40) North 88°24'39" East, a distance of 8.68 feet (3.123 varas) to a point; (L41) South 53°53'40" East, a distance of 13.27 feet (4.777 varas) to a point; (L42) South 25.43'06" East, a distance of 11.64 feet (4.190 varas) to a point; (L43) South 59°06'43" West, a distance of 10.87 feet (3.913 varas) to a point; (L44) South 67.33'28" West, a distance of 28.65 feet (10.315 varas) to a point; (L45) South 72'47'25" West, a distance of 17.96 feet (6.467 varas) to a point; (L46) North 55'23'32" West, a distance of 13.24 feet (4.765 varas) to a point; (L47) North 07.39'16" East, a distance of 6.58 feet (2.367 varas) to the POINT **ÒF BEGINNING.**

GLO PROJECT NO. SL20190031
FOR GENERAL LAND OFFICE USE ONLY

DALARSON			
L1	S	24.54'40"	E
L2	S	47.57'20"	W
L3	S	47 [•] 57'20" 32 [•] 08'48"	W
L4 L5 L6	S	13°12'27" 10°41'11" 62°06'44"	E
L5	S	10'41'11"	W
L6	S	62'06'44"	W
L7	S	13.46'01"	W
L7 L8 L9	S	11°25'56" 28°23'06"	E
L9	S	28'23'06"	E
110	S	04.00,47"	E
111	S	09'44'10"	W
L12 L13 L14	S	29'10'12"	W
L13	S	47'43'37"	W
L14	S	32'33'13"	W
116	S	08.02,11	W
L16	S	05'21'28"	E
L17	S	07'07'42"	E
L13 L16 L17 L18 L19	S	12'31'34"	E
L19	S	15'52'49"	E
L20 L21 L22 L23 L24	S	04'00'47" 09'44'10" 29'10'12" 47'43'37" 32'33'13" 08'05'11" 05'21'28" 07'07'42" 12'31'34" 15'52'49" 22'47'25" 27'09'47" 27'51'16" 30'52'53" 34'12'09" 35'57'29" 39'40'00"	E
L21	S	27'09'47"	E
L22	S	27*51'16"	E
L23	S	30°52'53"	E
L24	S	34°12'09"	Е
L25 L26 L27	S	35°57'29"	E
L26	S	39°40'00"	E
L27	S	86'35'40"	E
L28 L29	Ν	71°44'31" 54°05'46"	E
L29	Ν	54'05'46"	E
L30	Ν	87'36'44"	E
L30 L31 L32	S	83.04'35"	E
L32	S	88'38'25"	E
133	Ν	85 15'51"	E
L34	S	87'30'44' 83'04'35" 88'38'25" 85'15'51" 51'19'58"	E
L35 L36 L37	S	61'07'14"	E
L36	Ν	68.39'21"	E
L37	N	61°07'14" 68°39'21" 47°34'34"	E
L38	N	86°17'23" 30°20'08"	E
L39	Ν	30°20'08"	E
L40	N	88'24'39"	E
L40 L41 L42	S	53'53'40"	E
L42	の の の の の の の の の の の の の の の の の の の	50 20 08 88'24'39" 53'53'40" 25'43'06" 59'06'43" 67'33'28" 72'47'25" 55'23'32"	***************************************
L43 L44 L45	S	59'06'43"	W
L44	S	6/ 33 28"	W
L45	S	/2'47'25"	W
146	N	5573 37"	VA/

INF

BEARING



REMNANT AREA DETAIL

SCALE: 1" = 18 VARAS 1" = 50 FEET

THIS SURVEY HAS BEEN FILED FOR RECORD AND DULY RECORDED THIS ______ DAY OF AUGUST, 2019. IN BOOK I PAGE 254, OF THE COUNTY SURVEYORS RECORDS, GALVESTON COUNTY, TEXAS

A SURVEY OF THE LINE OF MEAN HIGHER HIGH WATER ALONG A PORTION OF GALVESTON BAYADJACENT TO THE M. MULDOON TWO LEAGUE GRANT ABSTRACT NUMBER 18 GALVESTON COUNTY, TEXAS

BRUCE ADAM GORDY 1728 HWY 146 HOUSTON, TEXAS 77565 G.C.C.F. NO. 2013079268 1" IRON PIPE N 47°35'38" E 1905.32' 685.915 VS DIST. FEET DIST VARAS 1697.03' 610.931 VS 2.36 0.848 19.29 6.945 3.331 0 9.25 15.29 20.05 5.504 M. MULDOON TWO LEAGUE GRANT 7.219 ABSTRACT NUMBER 18 18.30 6.586 7.256 20.16 31.68 11.406 Z 46.12 16.604 49.30 17.750 0 16.79 6.045 46.54 16.754 54.91 19.766 R 39.94 14.377 43.56 15.682 0 45.13 16.248 48.87 17.593 0 23.61 8.500 0 50.94 18.339 52.64 18.951 8 CALLED 29.96 ACRES 49.00 17.640 GALVESTON BAY FOUNDATION 49.04 17.655 1100 HERCULES AVENUE 48.29 17.383 0 52.69 18.969 SUITE 200 -MEANDER LINE OF MEAN Sr. _HIGHER HIGH WATER ON_ 52.67 18.960 HOUSTON, TEXAS 77058 MARCH 28, 2019 47.87 17.233 G.C.C.F. NO. 2016037005 13.51 -ELEV. 1.29' (SEE-NO 4.865 20.63 7.427 3 11.47 4.128 23.44 8.439 17.37 6.252 Z 32.65 11.754 X 18.90 6.805 3.29 1.184 0 48.73 17.542 11.90 4.283 ~ 17.30 6.227 Y 9.30 3.346 10.73 3.864 8.68 3.123 13.27 4.777 ~ 11.64 4.190 HE 10.87 HIGHER HIGH WATER ON 3.913 28.65 10.315 MARCH 28, 2019 17.96 2 6.467 ELEV, 1.29' (SEE NOTE 2) L46 N 55°23'32" W 13.24 4.765 S L47 N 07°39'16" E 6.58 2.367 FND 5/8" IR W/CAP 5 "BENCHMARK" S 47°35'38" W 1710.86' ¥ 615.910 VS WOOD & STONE PIEF N=13,762,545.40 (GRID FEET) -E=3,237,554.53 (GRID FEET) N=4,954,516.342 (GRID VARAS) CALLED 7.601 ACRES E=1,165,519.631 (GRID VARAS) TERRILEE PEARL MAUDLIN NGS MONUMENT "HCSCD 53" 4 MAUDLIN COURT BEARS N 19'51'49" W, KEMAH, TEXAS 77565 12,926.04 FEET (GRID) G.C.C.F. NO. 2015025497 4,653.376 VARAS (GRID)

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.

NOTES:

1) All coordinates and bearings shown hereon are grid values referenced to the Texas Coordinate System of 1983, South Central Zone - NAD 83(1993) and NGS Monument "HGCSD 53". All distances shown hereon are surface distances unless noted and may be converted to grid distances by multiplying by a scale factor of 0.999875. Mapping angle for this project is 01'56'58".

2) The elevation of Mean Higher High Water for this site is 1.29' as tied to NGS Monument "HGCSD 53" having an elevation of 8.17' NAVD 88, 2001 Adjustment (TSARP). Mean Higher High Water was determined by on-site tide gauge readings referenced to the NOAA Eagle Point Tide Gauge.

3) Upland boundary information was provided by Terra Surveying Company, Inc. Project Number 0355-0801-X01.

4) This project is an update of a previous Coastal Boundary Survey filed under Galveston County NRC Article 33.136 Sketch 38, Map/ Document No. 83079

5) This is Project Number SL20190031, a marsh habitat creation project with possible breakwater construction and revegetation.

CALLED 1.850 ACRES





TEXAS GENERAL LAND OFFICE GEORGE P. BUSH, COMMISSIONER

Surveying Division Coastal Boundary Survey Approval

Project: Galveston Bay Foundation, Marsh Creation

Project No: SL20190031, General Land Office

Project Manager: Dianna Ramirez, Upper Coast Regional Manager

Surveyor: William E. Merten, Licensed State Land Surveyor

Description: A Coastal Boundary Survey, dated March 28, 2019, by William E. Merten, Licensed State Land Surveyor. The survey delineates the line of Mean Higher High Water of Galveston Bay State Submerged Tract No. 302, along a portion of the Miguel Muldoon Two League Grant, Abstract Number 18. The survey is associated with the Texas General Land Office Lease SL20190031. Situated approximately 1730 feet easterly from the intersection of State Highway 146 with Cien Road and the coordinates of its midpoint being N 29° 31' 57", W 95° 00' 33", WGS84 in the City of Kemah, Galveston County. A copy of the survey has been recorded in Book I, Page 254, of the Galveston County Surveyors Records in the Galveston County Engineering Department.

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: Surveying Division

Approval Filed as:

Tex.Nat.Res.Code Article 33.136, Galveston County, Sketch No. 89

TE)	XAS GE	NERAL	LAND	OFFIC	E
Art.	33.136,	Natural	Resour	ces Co	de
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		1-22-2019			

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