

LITTORAL BOUNDARY LINE DESCRIPTION

Being the Littoral Boundary of the M.B. Menard Survey, Abstract 628, and the Hall and Jones Survey, Abstract 121, in the City and County of Galveston, Texas, located adjacent to the Gulf of Mexico, and being more particularly described by metes and bounds as follows:

Commencing at N.G.S. Monument "1168", having coordinates of Northing: 13,668,200.28, Easting: 3,298,985.80, a Convergence Angle of: 2'02"41.84069", and a Grid Scale Factor of 0.999863950;
 Thence S 46°48'23" W, a distance of 82.80 feet (29.8 Varas) to the POINT OF BEGINNING, said point having coordinates of Northing: 13,668,143.80, Easting: 3,298,925.44, a Convergence Angle of 2'02"41.49580", and a Grid Scale Factor of 0.999863953;

Thence along the Littoral Boundary Line as follows:
 (L1) Thence N 56°16'34" E, a distance of 79.94' (28.8 Varas);
 (L2) Thence N 52°49'05" E, a distance of 2,573.72' (926.5 Varas);
 (L3) Thence N 52°50'50" E, a distance of 191.45' (68.9 Varas);
 (L4) Thence N 53°38'10" E, a distance of 35.31' (12.7 Varas);
 (L5) Thence N 60°40'12" E, a distance of 1,409.99' (507.6 Varas);
 (L6) Thence S 65°50'04" E, a distance of 16.07' (5.8 Varas);
 (L7) Thence N 53°14'56" E, a distance of 35.10' (14.1 Varas);
 (L8) Thence N 35°49'56" E, a distance of 13.10' (4.7 Varas);
 (L9) Thence N 36°17'04" W, a distance of 11.46' (4.1 Varas);
 (L10) Thence N 33°34'56" E, a distance of 180.67' (65.0 Varas);
 (L11) Thence N 56°08'56" E, a distance of 9.85' (3.5 Varas);
 (L12) Thence N 50°08'56" E, a distance of 319.80' (115.1 Varas);
 (L13) Thence N 60°56'12" E, a distance of 3.18' (1.1 Varas);
 (L14) Thence N 54°45'18" E, a distance of 508.11' (182.9 Varas);
 (L15) Thence S 39°47'04" E, a distance of 21.00' (7.6 Varas);
 (L16) Thence N 75°16'56" E, a distance of 40.60' (14.8 Varas);
 (L17) Thence N 50°10'56" E, a distance of 143.14' (51.5 Varas);
 (L18) Thence N 25°53'56" E, a distance of 40.20' (14.5 Varas);
 (L19) Thence N 39°41'04" W, a distance of 21.30' (7.7 Varas);
 (L20) Thence N 55°13'39" E, a distance of 1,806.53' (650.3 Varas);
 (L21) Thence N 55°14'17" E, a distance of 301.22' (108.4 Varas);
 (L22) Thence N 54°47'55" E, a distance of 481.95' (173.5 Varas);
 (L23) Thence N 51°29'27" E, a distance of 2,430.35' (874.9 Varas);
 (L24) Thence N 51°27'21" E, a distance of 3,235.14' (1,164.6 Varas);
 (L25) Thence N 46°16'07" E, a distance of 2,973.33' (1,070.4 Varas);
 (L26) Thence N 46°15'57" E, a distance of 2,332.18' (839.6 Varas);
 (L27) Thence N 33°38'23" E, a distance of 149.07' (53.7 Varas) to the POINT OF TERMINATION, said point having coordinates of Northing: 13,680,202.15', Easting: 3,313,911.07', a Convergence Angle of 2'04"06.75033", and a Grid Scale Factor of 0.999863448, said point lying N 39°24'25" E, a distance of 150.63' (54.2 Varas) from N.G.S. Monument "WALL", having coordinates of Northing: 13,680,065.77, Easting: 3,313,815.45, a Convergence Angle of: 2'04"06.19830", and a Grid Scale Factor of 0.999863452;

LINE TABLE

LINE	BEARING	DISTANCE
L1	N 56°16'34" E	79.94'
L2	N 52°49'05" E	2,573.72'
L3	N 52°50'50" E	191.45'
L4	N 53°38'10" E	35.31'
L5	N 60°40'12" E	1,409.99'
L6	S 65°50'04" E	16.07'
L7	N 53°14'56" E	35.10'
L8	N 35°49'56" E	13.10'
L9	N 36°17'04" W	11.46'
L10	N 33°34'56" E	180.67'
L11	N 56°08'56" E	9.85'
L12	N 50°08'56" E	319.80'
L13	N 60°56'12" E	3.18'
L14	N 54°45'18" E	508.11'
L15	S 39°47'04" E	21.00'
L16	N 75°16'56" E	40.60'
L17	N 50°10'56" E	143.14'
L18	N 25°53'56" E	40.20'
L19	N 39°41'04" W	21.30'
L20	N 55°13'39" E	1,806.53'
L21	N 55°14'17" E	301.22'
L22	N 54°47'55" E	481.95'
L23	N 51°29'27" E	2,430.35'
L24	N 51°27'21" E	3,235.14'
L25	N 46°16'07" E	2,973.33'
L26	N 46°15'57" E	2,332.18'
L27	N 33°38'23" E	149.07'

TEXAS GENERAL LAND OFFICE
 Art. 33.136, Natural Resources Code
 Co. Galveston, Sketch No. 82
 Filed
 File Date 06/18/15 by Howard
 FOR GENERAL LAND OFFICE USE ONLY

This survey was completed in support of a beach nourishment project funded under CEPA project 1566 and authorized by GLO lease SL940016.

This Coastal Boundary Survey is accompanied by Build Up/ Fill Map completed on August 19, 2015, by High Tide Land Surveying, LLC.

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.

This survey does not nor is intended to be used to identify, delineate or fix the line of vegetation or the landward boundary of the public beach.

Lines shown hereon were surveyed on the ground by Brian House on August 19, 2015.

NOTES:

- 1) ALL DISTANCES ARE GRID DISTANCES AND ARE SHOWN IN U.S. SURVEY FEET AND VARAS.
- 2) ALL BEARINGS SHOWN HEREON ARE GRID BEARINGS AND REFER TO THE TEXAS COORDINATE SYSTEM OF 1983 - SOUTH CENTRAL ZONE, AS DEFINED BY ARTICLE 21.070 OF THE NATURAL RESOURCE CODE OF THE STATE OF TEXAS.
- 3) ALL COORDINATES SHOWN HEREON ARE GRID COORDINATES AND REFER TO THE TEXAS COORDINATE SYSTEM OF 1983 - SOUTH CENTRAL ZONE, AS DEFINED BY ARTICLE 21.070 OF THE NATURAL RESOURCE CODE OF THE STATE OF TEXAS.
- 4) LOCAL TIDE GAUGE REFERENCED TO: GALVESTON PLEASURE PIER - GULF OF MEXICO NATIONAL OCEAN SERVICE STATION ID# 8771510 LENGTH OF SERIES: 5 YEARS TIDAL EPOCH: 1983-2001 CONTROL TIDE STATION: M/A
- 5) ON THE DATE OF THIS SURVEY THERE WAS NO APPARENT FILL OR BUILDUP UPON OR ADJACENT TO THE LINE OF MEAN HIGHER HIGH WATER EXCEPT AS SHOWN HEREON.
- 6) ON THE DATE OF THIS SURVEY THERE WAS NO APPARENT RETAINING WALL OR OTHER STRUCTURE UPON OR ADJACENT TO THE LINE OF MEAN HIGHER HIGH WATER EXCEPT AS NOTED ON THIS SURVEY.
- 7) THE LITTORAL BOUNDARY AS SHOWN ON THIS SURVEY WAS LOCATED IN ACCORDANCE WITH METHODOLOGY APPROVED BY THE GENERAL LAND OFFICE.
- 8) THIS SURVEY COMPLIES WITH ALL REQUIREMENTS IN CHAPTER 21 OF THE NATURAL RESOURCE CODE OF THE STATE OF TEXAS.
- 9) SEAWARD EDGE OF CONCRETE SEAWALL STRUCTURE WAS ESTABLISHED AS LANDWARD LIMITS OF "BUILD UP" AREA PER COMMENTS FROM THE TEXAS GENERAL LAND OFFICE BY LETTER DATED 12/14/2015. "BUILD UP" / "FILL" AREA (LITTORAL BOUNDARY) IS DEFINED IN TITLE 31, PART 1, CHAPTER 7, RULE 7.2(A)(1), OF THE TEXAS ADMINISTRATIVE CODE.
- 10) TOE OF FILL WAS ESTABLISHED ALONG THE LINE OF MEAN LOW WATER PER COMMENTS FROM THE TEXAS GENERAL LAND OFFICE IN LETTER DATED 12/14/2015.

11) LITTORAL OWNERS:

- A. GALVESTON COUNTY
722 MOODY
GALVESTON, TX 77550
- B. BANKRUPTCY ESTATE OF SONYA M. PORRETTO
RANDY W. WILLIAMS (TRUSTEE)
THREE ALLEN CENTER
333 CLAY STREET, SUITE 3300
HOUSTON, TX 77002
(AS PROVIDED IN FINAL JUDGEMENT DATED APRIL 9, 2015, CAUSE NUMBER 02CV0295, ROSE MARIE PORRETTO, ET AL, V. TEXAS GENERAL LAND OFFICE, ET AL, 212th JUDICIAL DISTRICT COURT OF GALVESTON COUNTY, TEXAS, AS IT PERTAINS TO PORTIONS OF THE SOUTHEAST BLOCK OF OUTLOT 71, THE NORTHWEST BLOCK OF OUTLOT 141, AND THE SOUTHWEST BLOCK OF OUTLOT 141, ALL BASED ON THE MAP OF THE CITY OF GALVESTON IN COMMON USE)

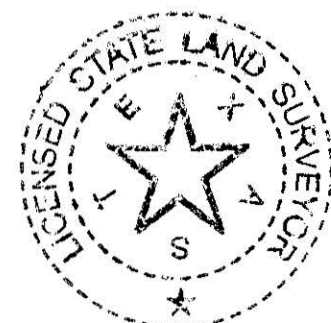
August 19, 2015

I certify that on the above date, the herein described property, was surveyed in the field according to the law under my direction, and this map together with dimensions and coordinates is true and correct as of the above date.

HIGH TIDE LAND SURVEYING, LLC

Stephen C. Blaskey

Stephen C. Blaskey
 Licensed State Land Surveyor
 email: stephen@hightidesurveying.com

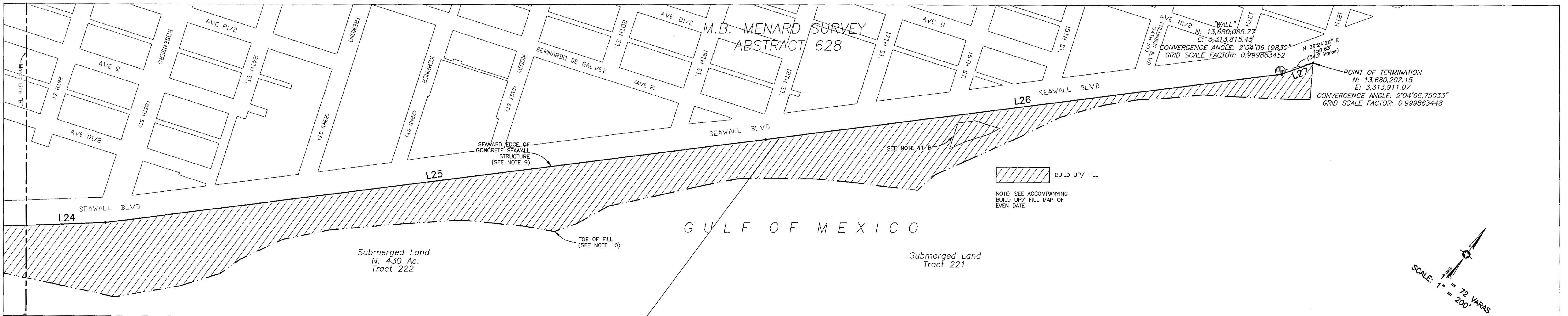
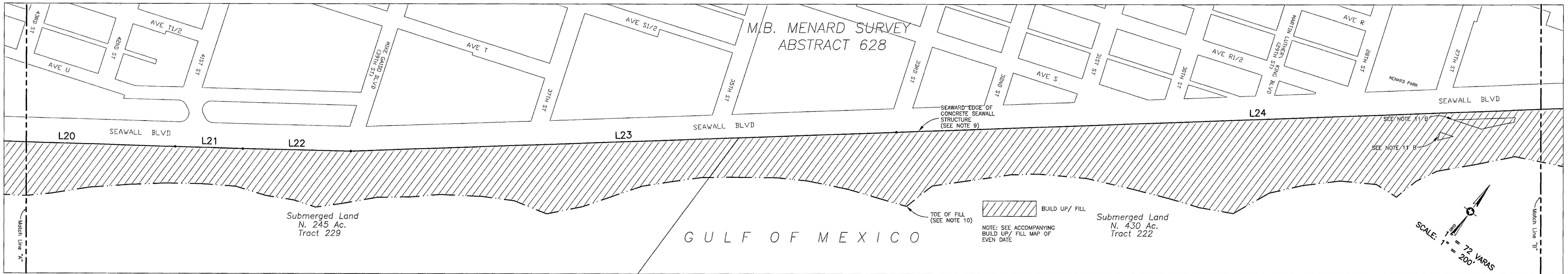
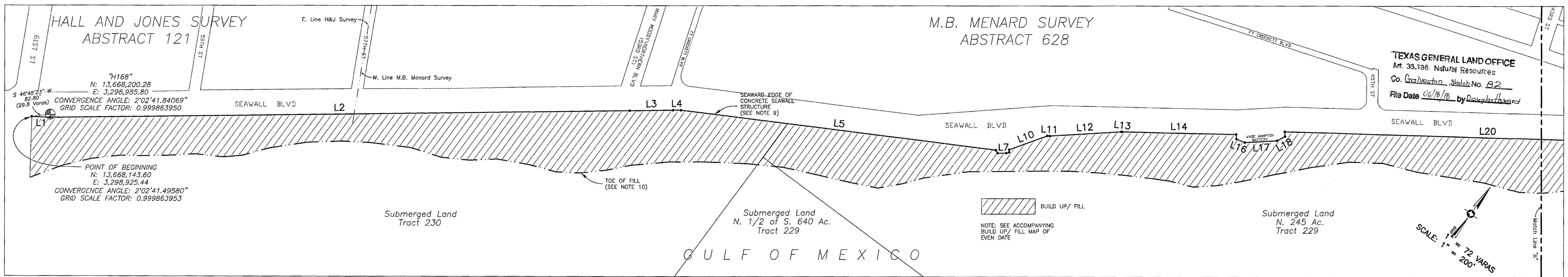


8017 HARBORSIDE DRIVE
 P.O. BOX 16142 (mailing)
 GALVESTON, TX 77552
 ph (409) 740-1517
 Registration Number: 10193855
 www.hightidelandsurveying.com

This map filed for record in Book I, Page 243 of the Galveston County Surveyor's Records on January 26, 2016.

REVISED: JANUARY 20, 2016
 SURVEY DATE: SEPTEMBER 25, 2015
 FILE NO.: 15-0598 CBS REV 4.dwg
 DRAFTING: JTK
 JOB NO.: 15-0598

COASTAL BOUNDARY SURVEY OF
 THE M.B. MENARD SURVEY,
 ABSTRACT 628, AND THE HALL
 AND JONES SURVEY, ABSTRACT 121,
 IN THE CITY AND GALVESTON COUNTY, TEXAS,
 ADJACENT TO THE GULF OF MEXICO, BEING
 S 38°19' W, 3.35 MILES OF THE
 GALVESTON COUNTY COURTHOUSE
 PAGE 1 OF 2



August 19, 2015

I certify that on the above date, the herein described property, was surveyed in the field according to the law under my direction, and this map together with dimensions and coordinates is true and correct as of the above date.

HIGH TIDE LAND SURVEYING, LLC

Stephen C. Blaskey

Stephen C. Blaskey
Licensed State Land Surveyor
email: stephen@hightidesurveying.com

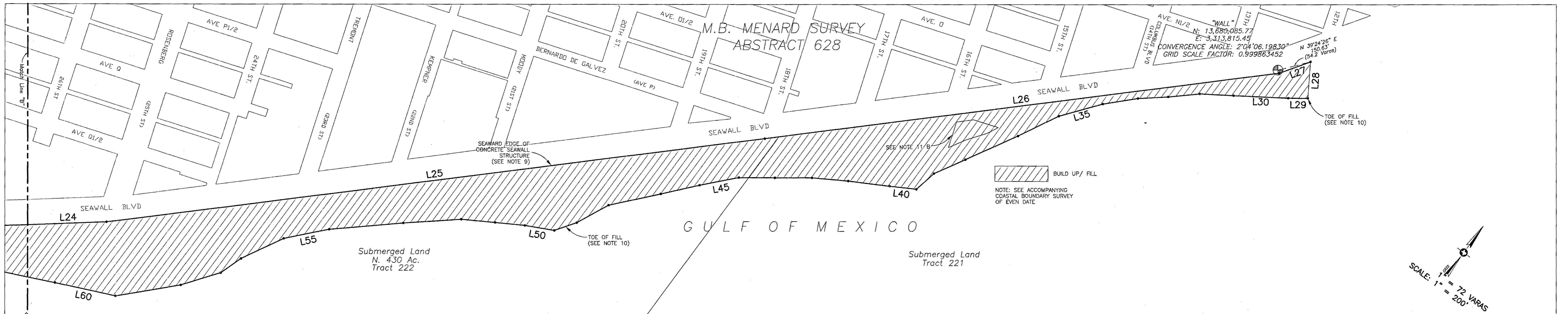
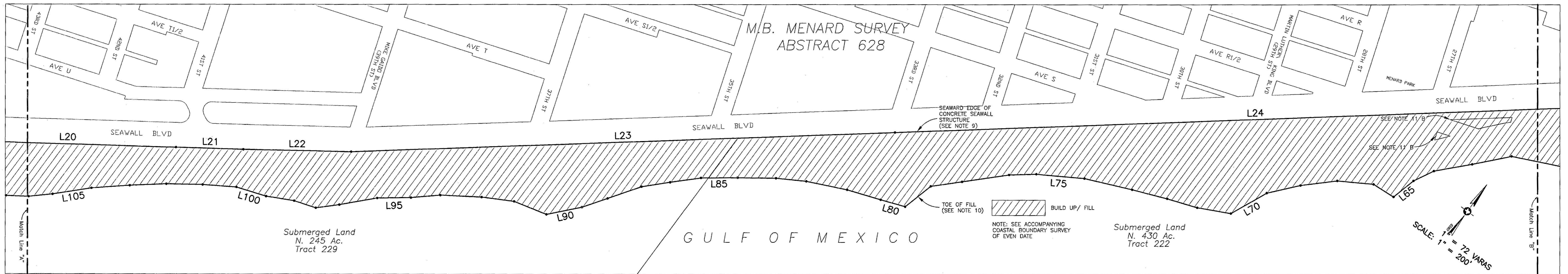
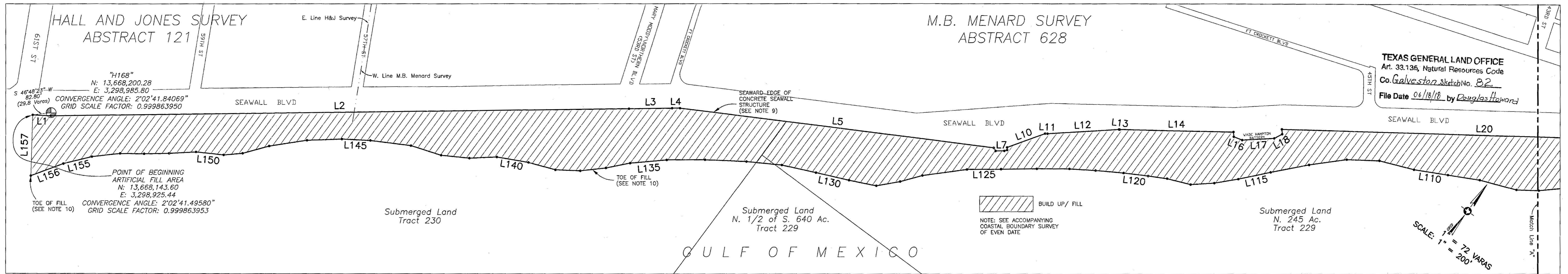


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HIGH TIDE LAND SURVEYING, LLC

Stephen C. Blaskey
Licensed State Land Surveyor
email: stephen@hightidesurveying.com



High Tide
Land Surveying LLC.

8017 HARBORSIDE DRIVE
P.O. BOX 161423 (mailing)
GALVESTON, TX 77552
ph (409) 740-1517
Registration Number: 10193855
www.hightidelandsurveying.com

AREA TABLE

BUILD UP/ FILL AREA = 90.1 ACRES (3,969,437 SQ. FT.)
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BUILD UP/ FILL MAP TO ACCOMPANY
COASTAL BOUNDARY SURVEY OF
THE M.B. MENARD SURVEY,
ABSTRACT 628, AND THE HALL
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TEXAS GENERAL LAND OFFICE
GEORGE P. BUSH, COMMISSIONER

Surveying Division
Coastal Boundary Survey Approval

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Galveston, Sketch No. 82
File Date 08/18/2016 by K. Martin

Project: Galveston Seawall Beach Nourishment 12th to 61st Street

Project No: CEPRA 1566; SL940016 (GLO)

Project Manager: Kevin Frenzel, CEPRA Manager Coastal Resources
Texas General Land Office

Surveyor: Stephen C. Blaskey, Licensed State Land Surveyor

Description: A Coastal Boundary Survey, dated August 19, 2015, by Stephen C. Blaskey, Licensed State Land Surveyor, delineating a portion of the littoral boundary line of the Michael B. Menard Survey, Abstract 628, along the shore of the Gulf of Mexico, same line being the northerly boundary line of Gulf of Mexico Submerged Land Tracts 221, 222, 229 and 230. The survey is in support of a beach nourishment project, authorized under Coastal Erosion Planning Response Act, project number CEPRA 1566 and Texas General Land Office Lease SL940016 situated along the Galveston Seawall, from 12th Street to 61st Street, in the City of Galveston, at coordinates N29°16'52" (29.281366°), W94°48'02" (94.800703°) WGS84.

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. Ryk Oct 12, 2016
Surveying Division Date

Approval Filed as:

Tex.Nat.Res.Code Article 33.136 Galveston County, Sketch No. 82