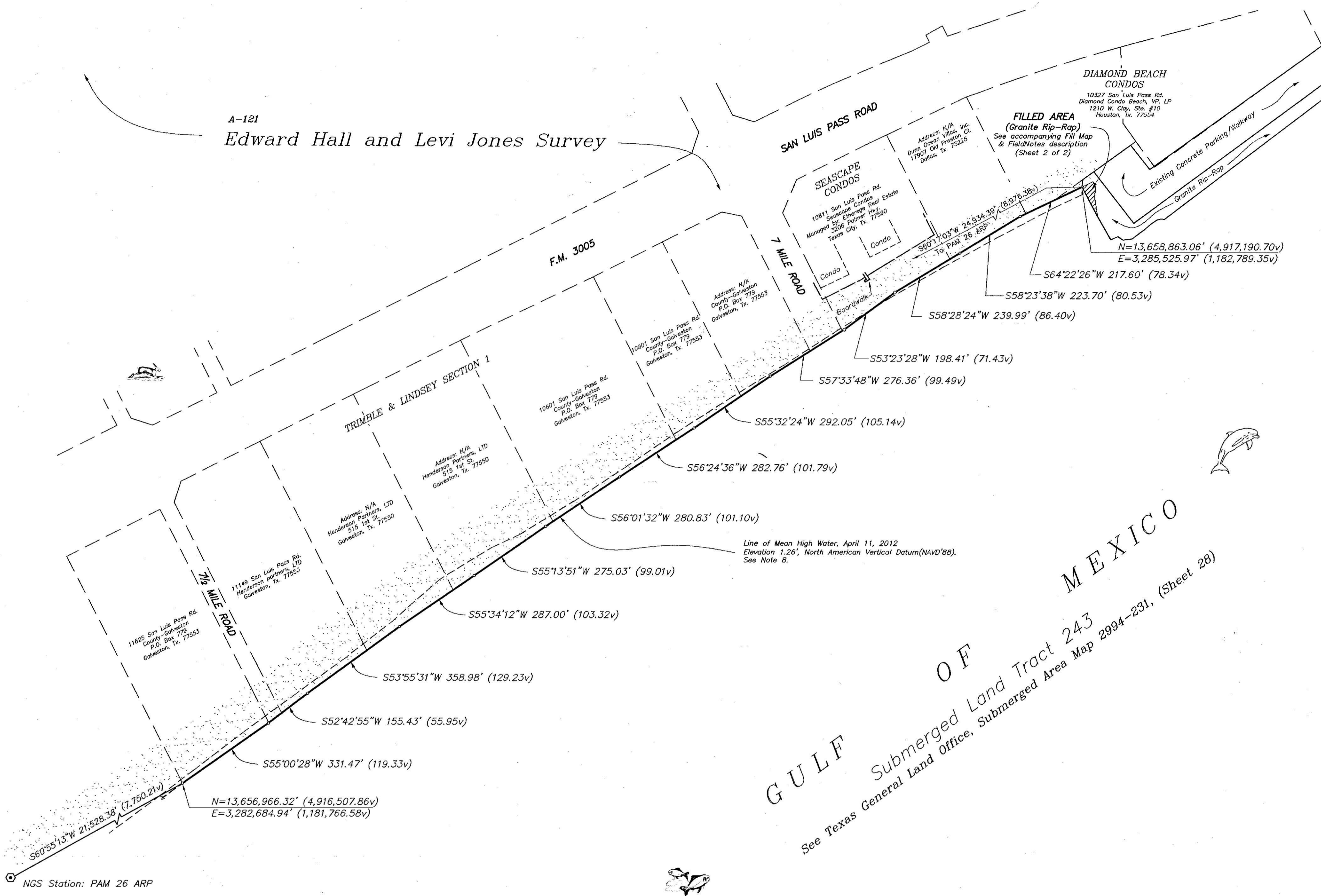


A-121  
Edward Hall and Levi Jones Survey



TEXAS GENERAL LAND OFFICE  
Art. 33.136 Natural Resources Code  
Filed Pursuant to Chapter 201, Act of September 11, 2012

Scale in Feet  
0 200 400

**FIELD NOTES** for a portion of the littoral boundary along the shore of the Gulf of Mexico, being the southeast boundary line of the Edward Hall and Levi Jones Survey, Abstract 121, Galveston County, same line being the northwest boundary line of Gulf of Mexico Submerged Land Tract 243, this boundary being more particularly described as follows:

Beginning at grid coordinates North 13,658,863.06 feet (4,917,190.70 varas), East 3,285,525.97 feet (1,182,789.35 varas), Texas Coordinate System, South Central Zone, North American Datum of 1983, a point on the line of Mean High Water of said Gulf of Mexico, at contour elevation 1.26, North American Vertical Datum of 1988, at intersection with the westerly toe of existing granite rip-rap at the west end of the Galveston Seawall, from which point National Geodetic Survey monument PAM 26 ARP, bears South 60° 17' 03" West, a grid distance of 24,934.39 feet (8,976.38 varas)

Thence, with said line of Mean High Water, the following courses and distances:  
Thence, South 64° 22' 26" West, a grid distance of 217.60' (78.34v), to a point;  
Thence, South 58° 23' 38" West, a grid distance of 223.70' (80.53v), to a point;  
Thence, South 58° 28' 24" West, a grid distance of 239.99' (86.40v), to a point;  
Thence, South 53° 23' 28" West, a grid distance of 198.41' (71.43v), to a point;  
Thence, South 53° 33' 48" West, a grid distance of 276.36' (99.45v), to a point;  
Thence, South 55° 32' 24" West, a grid distance of 292.05' (105.14v), to a point;  
Thence, South 56° 24' 36" West, a grid distance of 282.76' (101.79v), to a point;  
Thence, South 56° 01' 32" West, a grid distance of 280.83' (101.10v), to a point;  
Thence, South 55° 13' 51" West, a grid distance of 275.03' (99.01v), to a point;  
Thence, South 55° 34' 12" West, a grid distance of 287.00' (103.32v), to a point;  
Thence, South 53° 55' 31" West, a grid distance of 358.98' (129.23v), to a point;  
Thence, South 52° 42' 55" West, a grid distance of 155.43' (55.95v), to a point;  
Thence, South 55° 00' 28" West, a grid distance of 331.47' (119.33v), to a point;  
at grid coordinates North 13,656,966.32 feet (4,916,507.88 varas), East 3,282,684.94 feet (1,181,766.58 varas) for the terminus of this line, from which point said NGS Station PAM 26 ARP bears South 60° 55' 13" West, a grid distance of 21,528.38 feet (7,750.21v);

GULF OF MEXICO  
Submerged Land Tract 243  
See Texas General Land Office, Submerged Area Map 2994-281, (Sheet 28)



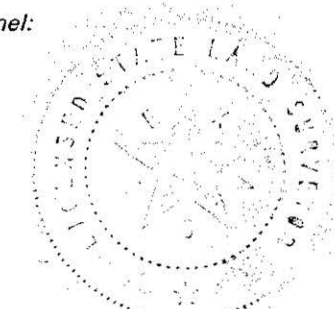
- General Notes:**
- Bearings and coordinates, shown hereon are grid, based on the Texas Coordinate System, South Central Zone (4205), North American Datum of 1983 (NAD83).
  - Coordinates are derived from GPS observations processed by the National Geodetic Survey (NGS), Online Positioning User Service (OPUS) and shown hereon in US survey feet, with corresponding vara values shown in parenthesis.
  - Horizontal survey control is referenced to NGS monument PAM 26 ARP (PID D13438), which has published coordinates of North 13,646,503.00 and East 3,263,870.31 US Survey feet.
  - The convergence angle at PAM 26 ARP is 01° 59' 23.5".
  - The Combined Scale Factor at PAM 26 ARP is 0.99986559.
  - Distances are grid, in US survey feet, with corresponding vara values shown in parenthesis.
  - To convert grid distances to surface, divide by a combined scale factor, for this project, of 0.999865800.
  - The littoral boundary was established at Mean High Water, elevation 1.26 feet, North American Vertical Datum 1988 per tidal datum established at Tide Gauge Pleasure Pier, operated by the National Oceanic and Atmospheric Administration (NOAA). Tide gauge discontinued and permanently removed July 20, 2011.
  - Vertical datum was transferred via Real Time Kinematic GPS measurements from Pleasure Pier bench mark, NGS monument S 449 5 (PID A44850).
  - The project mapping angle is 02° 01' 27.7".
  - The subject survey was conducted in support of two erosion response projects to be completed under:
    - CEPRA Project #1521  
Seascope-Dellamera Beach Nourishment and Dune Restoration Project  
The re-nourishment of approximately 2,000 linear feet of Gulf shoreline
    - CEPRA Project #1522  
End of Seawall Reson Waves Beach Stabilization Project  
The installation of new technology, offshore wave energy dampening, breakwater system.
  - Adjacent lots and streets are shown graphically for identification purposes only and are not specifically tied to the subject boundary.
  - The foregoing map, together with its accompanying "Fill Map", is filed in the Galveston County Surveyors Records in Book 1, Pages 225 & 226.

**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, David A. Pyle, Licensed State Land Surveyor in and for the State of Texas, hereby certify that the foregoing map represents a survey of the littoral boundary, made in the field, according to law, by me and/or under my direct control and supervision, with the field personnel stated, utilizing methodology approved by the Surveying Division of the Texas General Land Office; that, except as shown hereon, there are no areas of artificial fill or build-up, within the limits of this survey; that except as shown hereon, there are no retaining walls, bulkheads or other structures along or immediately landward of the subject boundary and that this map is correct and in accordance with Chapter 21 of the Texas Natural Resources Code.

Surveyed:  
April 11, 2012  
David A. Pyle  
Licensed State Land Surveyor  
Registered Professional Land Surveyor #4700

Survey Personnel:  
David Pyle  
David Holmes  
Jason Smalley



Coastal Boundary Survey  
West Galveston Island  
West End of Seawall to Beach Pocket Park 1  
Galveston County

Being the littoral boundary along the line of Mean High Water of the Gulf of Mexico, same being a portion of the southerly boundary line of the Edward Hall and Levi Jones Survey, Abstract 121 and same being the northerly boundary line of Gulf of Mexico, Submerged Land Tract No. 243, Galveston County, Texas.

Texas General Land Office  
Professional Services/Surveying Division  
Stephen F. Austin Bldg., Rm. 131C  
1700 N. Congress Ave.  
Austin, Texas 78701  
(512) 475-1585

DIAMOND BEACH CONDOS  
 10327 San Luis Pass Rd.  
 Diamond Condo Beach, VP, LP  
 1210 W. Clay St., #10  
 Houston, Tx. 77554

N=1365886.3.06' (4917190.70v)  
 E=3285525.97' (1182789.35v)

(8976.38v)  
 S60°17'03"W 24934.39'

(13.66v)  
 N64°22'26"E 37.94'

S36°38'57"E 8.29'  
 (2.98v)

S08°58'50"E 13.58'  
 (4.89v)

S03°01'26"W 31.88'  
 (11.48v)

S08°47'53"E 58.80'  
 (21.17v)

NZ7°26'11"W 105.47'

S64°22'26"W 217.60' (78.34v)  
 To PAM 26 ARP

Line of Mean High Water  
 (See Sheet 1 of 2)

GALVESTON SEAWALL

Granite Rip-Rap

Toe of Rip-Rap

GULF OF MEXICO

Submerged Land Tract 243

See Texas General Land Office, Submerged Area Map 2994-231, (Sheet 28)

General Notes:

- Bearings and coordinates, shown hereon are grid, based on the Texas Coordinate System, South Central Zone (4205), North American Datum of 1983 (NAD83).
- Coordinates are derived from GPS observations processed by the National Geodetic Survey (NGS), Online Positioning User Service (OPUS) and shown hereon in US survey feet, with corresponding vara values shown in parenthesis.
- Horizontal survey control is referenced to NGS monument PAM 26 ARP (PID D13438), which has published coordinates of North 13,646,503.03 and East 3,263,870.33 US Survey feet.
- The convergence angle at PAM 26 ARP is 01° 59' 23.5".
- The Combined Scale Factor at PAM 26 ARP is 0.99986559.
- Distances are grid, in US survey feet, with corresponding vara values shown in parenthesis.
- To convert grid distances to surface, divide by a combined scale factor, for this project, of 0.99986500.
- The littoral boundary was established at Mean High Water, elevation 1.26 feet, North American Vertical Datum 1988 per tidal datum established at Tide Gauge Pleasure Pier, operated by the National Oceanic and Atmospheric Administration (NOAA). Tide gauge discontinued and permanently removed July 20, 2011.
- Vertical datum was transferred via Real Time Kinematic GPS measurements from Pleasure Pier bench mark, NGS monument S 449 5 (PID AW4850).
- The project mapping angle is 02° 01' 27.7".
- The subject survey was conducted in support of two erosion response projects to be completed under:
  - CEPRA Project #1521  
Seascope-Dellanera Beach Nourishment and Dune Restoration Project  
The re-nourishment of approximately 2,000 linear feet of Gulf shoreline
  - CEPRA Project #1522  
End of Seawall Reson Waves Beach Stabilization Project  
The installation of new technology, offshore wave energy dampening, breakwater system
- Adjacent lots and streets are shown graphically for identification purposes only and are not specifically tied to the subject boundary.
- Filled area shown hereon, installed as repairs to Galveston Seawall subsequent to damages by Hurricane Ike.
- This map is accompanied by a short report regarding the nature and timing of the subject fill area.
- The foregoing map, together with its accompanying "Coastal Boundary Survey" map, is filed in the Galveston County Surveyors Records in Book 1, Pages 226 & 226.

Notice:

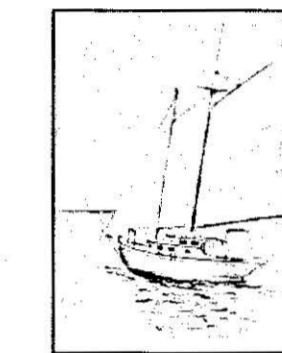
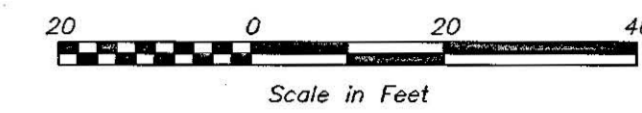
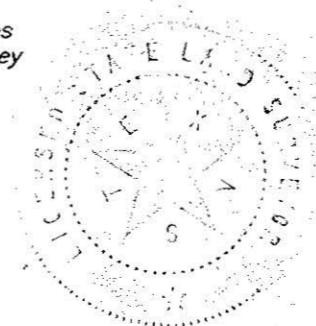
This survey was performed in accordance with Section 33.136, Natural Resources Code, for the purpose of evidencing the location of the shoreline in the area depicted in this survey as that shoreline existed before commencement of erosion response activity, as required by Chapter 33, Natural Resources 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, David A. Pyle, Licensed State Land Surveyor in and for the State of Texas, hereby certify that the foregoing map represents a survey of the littoral boundary, made in the field, according to law, by me and/or under my direct control and supervision, with the field personnel stated, utilizing methodology approved by the Surveying Division of the Texas General Land Office; that, except as shown hereon, there are no areas of artificial fill or build-up, within the limits of this survey; that except as shown hereon, there are no retaining walls, bulkheads or other structures along or immediately landward of the subject boundary and that this map is correct and in accordance with Chapter 21 of the Texas Natural Resources Code.

Surveyed:  
 April 11, 2012

Survey Personnel:  
 David Pyle  
 David Holmes  
 Jason Smalley

David A. Pyle  
 Licensed State Land Surveyor  
 Registered Professional Land Surveyor #4700



FIELD NOTES for a 2,078.7 square foot tract of filled submerged land of the Gulf of Mexico, being situated and a part of Gulf of Mexico, Submerged Land Tract 243, as shown on Texas General Land Office, Submerged Area Map No. 2994-231 (Sheet 28).

Beginning at grid coordinates, North 13,658,863.06 feet (4,917,190.70 varas), East 3,285,525.97 (1,182,789.35 varas), Texas Coordinate System, South Central Zone, North American Datum of 1983, a point on the line of Mean High Water of said Gulf of Mexico, at contour elevation 1.26 North American Vertical Datum of 1988, at its intersection with the westerly toe of existing granite rip-rap at the west end of the Galveston Seawall, from the west corner of this tract, from which point, National Geodetic Survey monument PAM 26 ARP, bears South 60° 17' 03" West, a grid distance of 24,934.39 feet (8,976.38 varas);

Thence, with said Mean High Water line and a previous toe of said granite rip-rap, as determined from dated aerial photography subsequent to Hurricane Ike, over and across said granite rip-rap, the following courses and distances:

Thence, North 64° 22' 26" East, a grid distance of 37.94 feet (4.32 varas), to a point;  
 Thence, South 36° 38' 57" East, a grid distance of 8.29 feet (2.98 varas), to a point;  
 Thence, South 08° 58' 50" East, a grid distance of 13.58 feet (4.89 varas), to a point;  
 Thence, South 03° 01' 26" West, a grid distance of 31.88 feet (11.48 varas), to a point;  
 Thence, South 08° 47' 53" East, a grid distance of 58.80 feet (21.17 varas), returning to aforesaid existing toe of granite rip-rap, for the south corner of this tract;

Thence, North 27° 26' 11" West, with said existing toe of granite rip-rap, a grid distance of 105.47 feet (37.97 varas), to the Point of Beginning and containing 2,078.7 square feet of land.

Filled Area Map to Accompany  
 Coastal Boundary Survey  
 on  
 West Galveston Island  
 Galveston County

Being a 2,078.7 square foot tract of filled submerged land of the Gulf of Mexico and being part of Submerged Land Tract No. 243, as shown on Texas General Land Office, Submerged Area Map No. 2994-231 (Sheet 28).

Texas General Land Office  
 Professional Services/Surveying Division  
 Stephen F. Austin Bldg., Rm. 131C  
 1700 N. Congress Ave.  
 Austin, Texas 78701  
 (512) 475-1585



**Surveying Division  
Coastal Boundary Survey Approval**

**Project:** Seascape-Dellanera Beach Nourishment and Dune Restoration, and End of Seawall Resen Waves Beach Stabilization

**Project No:** CEPRA #1521 (Seascape); CEPRA #1522 (Resen)

**Project Manager:** Michael Weeks, Coastal Resources Division, GLO

**Surveyor:** David A. Pyle, Licensed State Land Surveyor

**Description:** A Coastal Boundary Survey, dated April 11, 2012, by David A. Pyle, Licensed State Land Surveyor, associated with CEPRA Project #1521 and CEPRA Project No. 1522, delineating the littoral boundary along the line of Mean High Water of the Gulf of Mexico beginning at the west end of the Galveston Seawall and extending 3,400 feet westward, same being a portion of the southerly boundary line of the Edward Hall and Levi Jones Survey, Abstract No. 121 and same being the northerly boundary line of Gulf of Mexico, Submerged Land Tract No. 243, Galveston County, Texas. The said Coastal Boundary Survey also locates a 2,078.70 square foot tract of filled submerged land of the Gulf of Mexico and being part of Submerged Land Tract No. 243, situated near the end of the said Galveston Seawall, Galveston County, Texas.

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: Mark J. Neugebauer  
Surveying Division

08-23-2012

Date **TEXAS GENERAL LAND OFFICE**

Art. 33.136, Natural Resources Code

Co. Galveston, Sketch No. 66

File Date 06/20/2013 by R. Martye

Approval Filed as:

*Tex. Nat. Res. Code* Article 33.136, Galveston County, Sketch No. 66

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