

- NOTES:
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 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT: OPUS MONUMENT "1972 K 200"
 NGS MONUMENT "HGSD 62" PID AW5708 (PUBLISHED)
 N: 13,645,727.12
 E: 3,264,124.40
 ELEV: 6.3' NAVD88
 - ALL OTHER MONUMENTS ARE REFERENCED AS MEASURED AND SHOWN HEREON.
 - ALL POSITIONS AND ELEVATIONS RECORDED USING SURVEY GRADE, RTK GPS. EQUIPMENT: TRIMBLE R8/R10.
 - THE LITTORAL BOUNDARY IS BASED ON THE MEAN HIGH WATER (MHW) CONTOUR. MHW ELEVATION OF 1.1' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION GALVESTON RAILROAD BRIDGE TX (877496), GALVESTON, TX, AND SAN LUIS PASS TX (8771972), GALVESTON, TEXAS.
 - TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 - REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED JANUARY 8, 2024 FOR ADDITIONAL INFORMATION.
 - ADJACENT TRACTS ARE SHOWN GRAPHICALLY FOR IDENTIFICATION PURPOSES ONLY AND ARE NOT SPECIFICALLY TIED TO SUBJECT BOUNDARY.
 - ADJACENT OWNER INFORMATION IS BASED ON ONLINE MAP DATA FROM GALVESTON COUNTY APPRAISAL DISTRICT.
 - ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AT THE TIME OF SURVEY AND IS AS INDICATED ON ADDITIONAL ARTIFICIAL FILL / BUILD UP MAP.
 - NO RETAINING WALLS OR DEBRIS EXISTS AT TIME OF SURVEY.

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
DOC # 2024044600 O.P.R.G.C.T.

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.

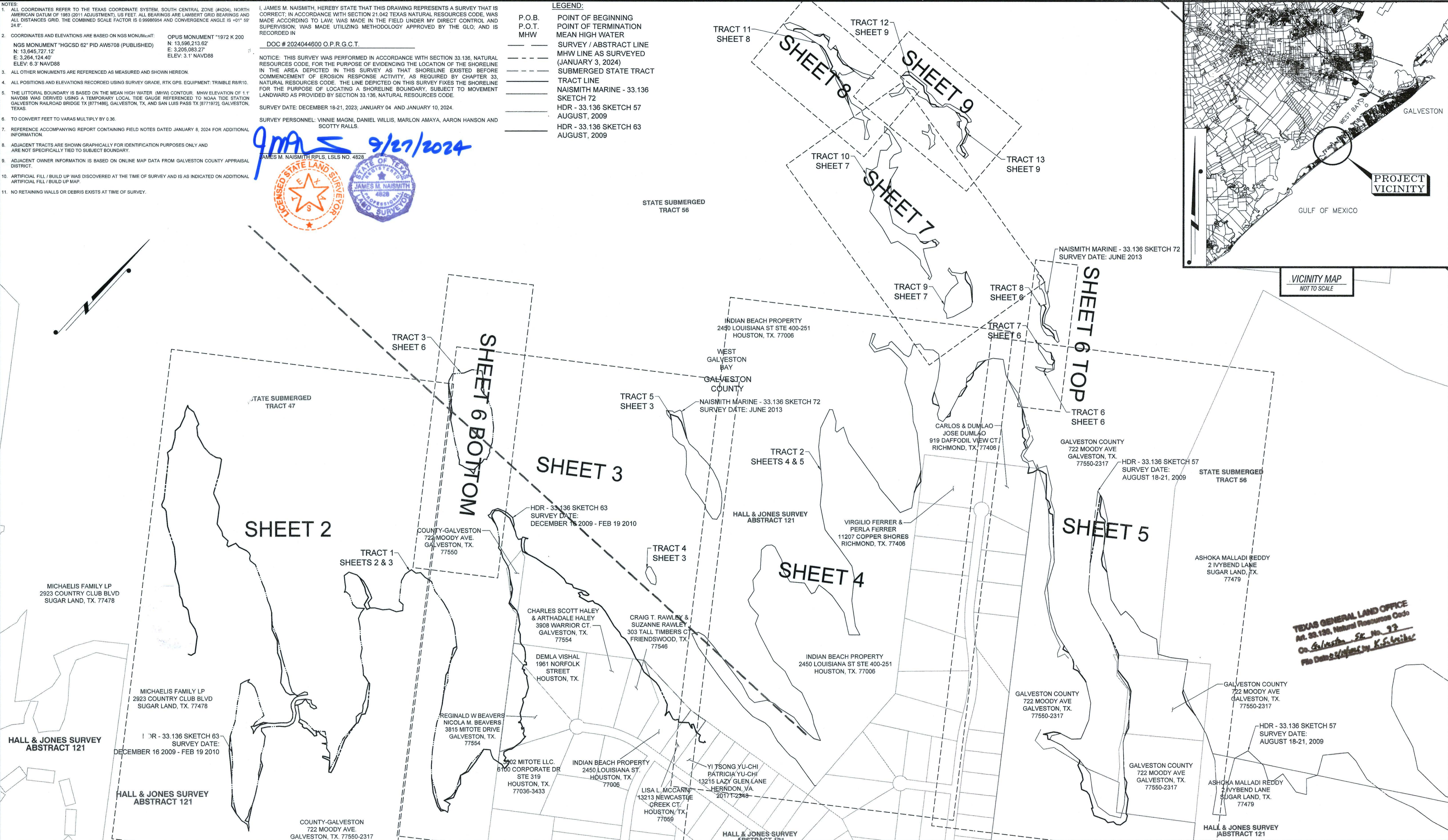
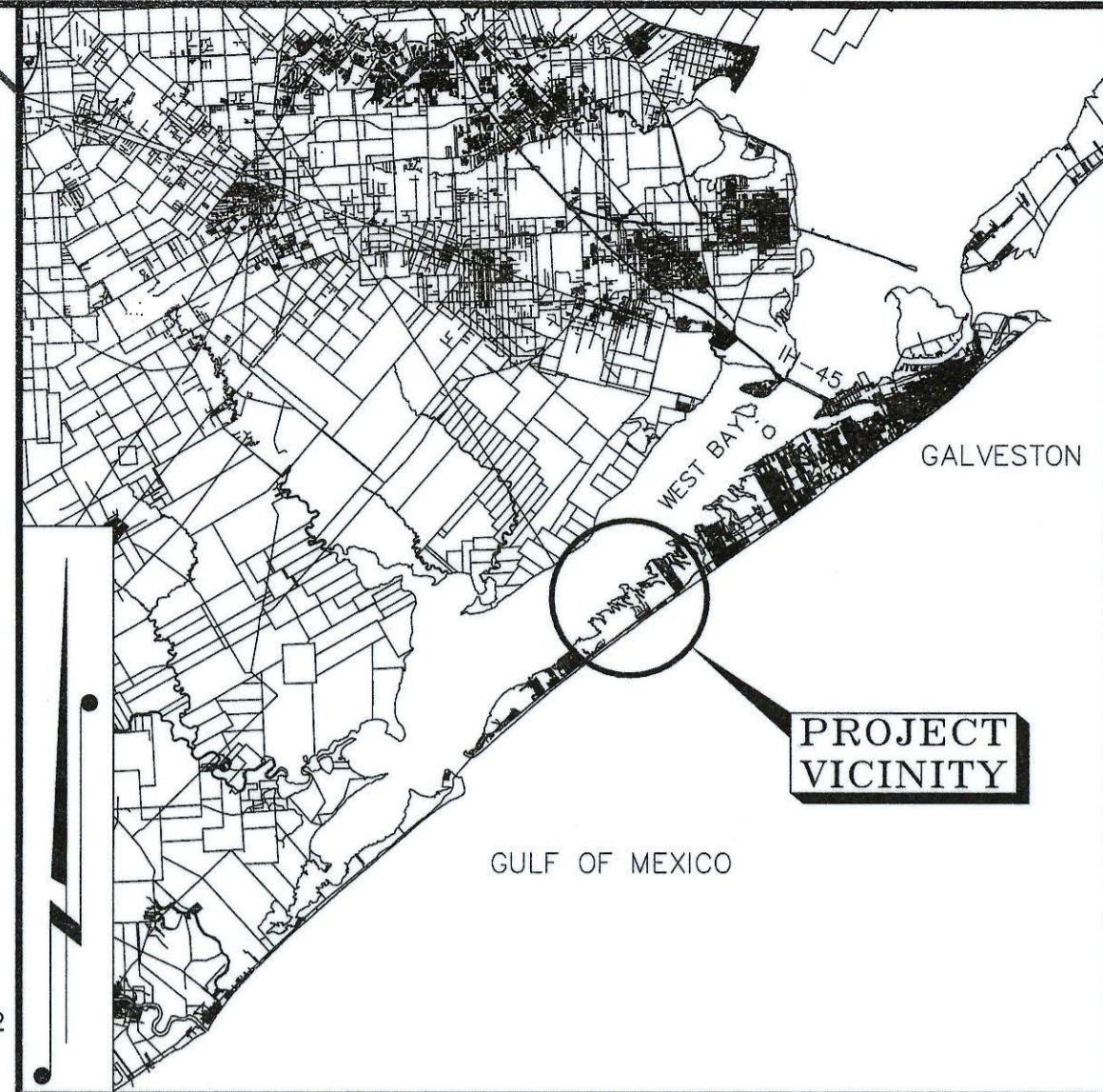
SURVEY DATE: DECEMBER 18-21, 2023, JANUARY 04 AND JANUARY 10, 2024.

SURVEY PERSONNEL: VINNIE MAGNI, DANIEL WILLIS, MARLON AMAYA, AARON HANSON AND SCOTTY FALLS.

- LEGEND:
- P.O.B. POINT OF BEGINNING
 - P.O.T. POINT OF TERMINATION
 - MHW MEAN HIGH WATER
 - SURVEY / ABSTRACT LINE
 - - - MHW LINE AS SURVEYED (JANUARY 3, 2024)
 - SUBMERGED STATE TRACT
 - TRACT LINE
 - NAISMITH MARINE - 33.136 SKETCH 72
 - SKETCH 72
 - HDR - 33.136 SKETCH 57 AUGUST, 2009
 - HDR - 33.136 SKETCH 63 AUGUST, 2009

JMA 9/27/2024

JAMES M. NAISMITH RPLS, LSLs NO. 4828



THE BIRD ISLAND COVE SHORE PROTECTION AND MARSH RESTORATION PHASE II (CEPRA 1713) PROJECT INCLUDES THE CONSTRUCTION OF UP TO 8,836 LF OF RIPRAP BREAKWATER FOR COASTAL HABITAT PROTECTION WITH THE OPTION OF UP TO 6 ACRES OF MARSH PROTECTION.

THIS PROJECT IS LOCATED IN GALVESTON WEST BAY ADJACENT TO BIRD ISLAND COVE AND SHELL ISLAND PROJECT.

REV. NO.	REV. DATE	REV. DESCRIPTION	REV. BY:
00			

T. BAKER SMITH
 A CENTURY OF SOLUTIONS
 3854 FM 1069
 Aransas Pass, TX 78336
 (361)334-5719 - tbsmith.com
 TBPLS #10194575

TBS

COVERPAGE NOT TO SCALE

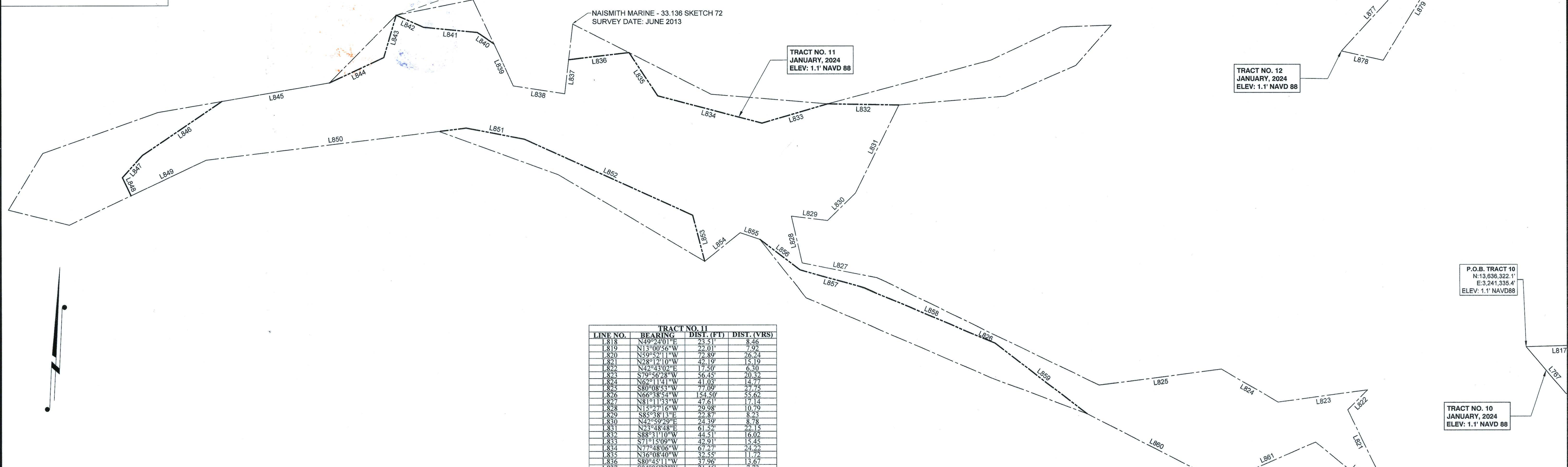
DRAWN BY:	CDW	APPROVED BY:	AWK
DATE:	01/08/2024	JOB NO.:	2022.1298
DRAWING NAME:	HDR - BIRD ISLAND COVE CBS		
PROJECTION:	TEXAS STATE PLANE SOUTH CENTRAL		
GEO. DATUM:	NAD83 (2011) VERT. DATUM: NAVD88		
GRID UNITS:	US SURVEY FEET		
SHEET NO.:	1	OF	9

COASTAL BOUNDARY SURVEY

BEING THE LITTORAL BOUNDARY LINE OF WEST GALVESTON BAY, BEING SITUATED IN THE HALL & JONES SURVEY, ABSTRACT NO. 121, STATE SUBMERGED TRACT NO.'S 47 AND 56, GALVESTON COUNTY, TEXAS.

LEGEND:

P.O.B.	POINT OF BEGINNING
P.O.T.	POINT OF TERMINATION
MHW	MEAN HIGH WATER
---	SURVEY / ABSTRACT LINE
---	MHW LINE AS SURVEYED (JANUARY 3, 2024)
---	SUBMERGED STATE TRACT
---	TRACT LINE
---	NAISMITH MARINE - 33.136 SKETCH 72
---	HDR - 33.136 SKETCH 57 AUGUST, 2009
---	HDR - 33.136 SKETCH 63 AUGUST, 2009



TRACT NO. 12

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L874	S88°10'53"E	25.33	9.19
L875	S50°42'53"E	39.62	14.26
L876	S01°28'52"E	57.32	20.64
L877	S39°54'20"W	60.10	21.64
L878	S79°50'27"E	26.65	9.59
L879	N28°45'41"E	80.12	28.84
L880	N10°08'58"W	46.53	16.75
L881	N66°09'15"E	49.82	17.94
L882	S78°06'05"E	51.80	18.65

TRACT NO. 11

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L818	N49°24'01"E	23.31	8.46
L819	N13°00'56"W	22.01	7.92
L820	N59°52'11"W	72.89	26.24
L821	N28°12'10"W	42.19	15.19
L822	N42°43'02"E	17.50	6.30
L823	S79°56'28"W	56.45	20.32
L824	N62°11'41"W	41.03	14.77
L825	S80°08'53"W	77.09	27.75
L826	N66°38'54"W	154.50	55.62
L827	N81°11'33"W	47.61	17.14
L828	N15°27'16"W	29.98	10.79
L829	S85°38'13"E	22.87	8.23
L830	N42°59'29"E	24.59	8.78
L831	N23°48'48"E	61.52	22.15
L832	S88°31'10"W	44.51	16.02
L833	S71°15'09"W	42.91	15.45
L834	N77°48'06"W	67.27	24.22
L835	N36°08'40"W	32.55	11.72
L836	S80°45'11"W	37.96	13.67
L837	S04°06'22"W	21.46	7.73
L838	N83°46'58"W	32.30	11.70
L839	N27°19'08"W	29.06	10.46
L840	S74°42'29"W	12.43	4.47
L841	N86°51'23"W	33.72	12.14
L842	N68°31'36"W	18.78	6.76
L843	S13°47'28"W	27.72	9.98
L844	S62°34'31"W	37.44	13.48
L845	S77°48'58"W	68.39	24.62
L846	S53°30'09"W	59.97	21.59
L847	S39°22'23"W	18.74	6.75
L848	S27°50'22"E	12.58	4.53
L849	N62°09'38"E	51.99	18.72
L850	N80°33'39"E	163.92	59.01
L851	S81°39'57"E	36.95	13.30
L852	S68°04'52"E	115.50	41.58
L853	S16°57'59"E	29.72	10.70
L854	N48°48'06"E	28.53	10.27
L855	S73°35'08"E	12.92	4.65
L856	S55°18'59"E	31.53	11.35
L857	S76°31'37"E	41.89	15.08
L858	S69°39'34"E	88.62	31.90
L859	S54°50'03"E	72.74	26.19
L860	S65°17'05"E	94.96	34.19
L861	N63°57'50"E	63.81	22.97
L862	S53°01'24"E	64.87	23.35
L863	S36°39'02"E	62.72	22.58

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NGS MONUMENT "HGCS D 62" PID AW5708 (PUBLISHED)	OPUS MONUMENT "1972 K 2009" N: 13,645,727.12 E: 3,284,124.40 ELEV: 6.3' NAVD88
DOC # 2024044600 O.P.R.G.C.T.	
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JAMES M. NAISMITH RPLS, LSLS NO. 4828

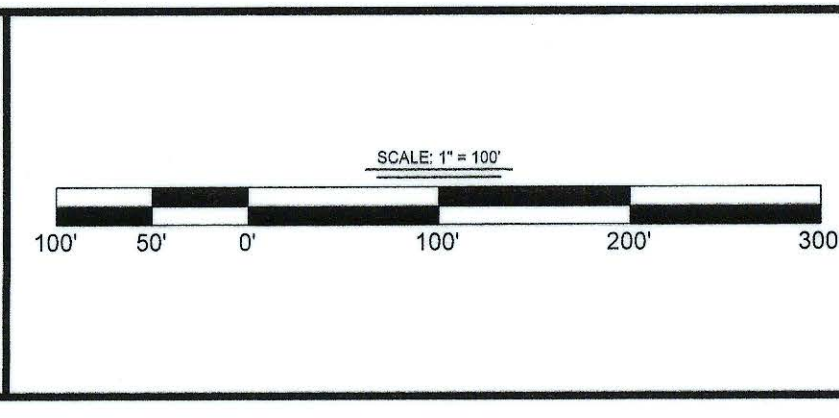
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REV. NO.	REV. DATE	REV. DESCRIPTION	REV. BY
00	-/-/-		

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TBPLS #10194575



DRAWN BY:	CDW	APPROVED BY:	AWK
DATE:	01/08/2024	JOB NO.:	2022.1298
DRAWING NAME:	HDR - BIRD ISLAND COVE CBS		
PROJECTION:	TEXAS STATE PLANE SOUTH CENTRAL GEO. DATUM: NAD83 (2011) VERT. DATUM: NAVD88		
GRID UNITS:	US SURVEY FEET		
SHEET NO.:	8	OF	9

COASTAL BOUNDARY SURVEY

BEING THE LITTORAL BOUNDARY LINE OF WEST GALVESTON BAY, BEING SITUATED IN THE HALL & JONES SURVEY, ABSTRACT NO. 121, STATE SUBMERGED TRACT NO.'S 47 AND 56, GALVESTON COUNTY, TEXAS.

TEXAS GENERAL LAND OFFICE
Art. 29.136, Natural Resources Code
Co. Galveston, Sh. No. 92
File Date 02/08/2024 by K. Schreiber

NOTES:

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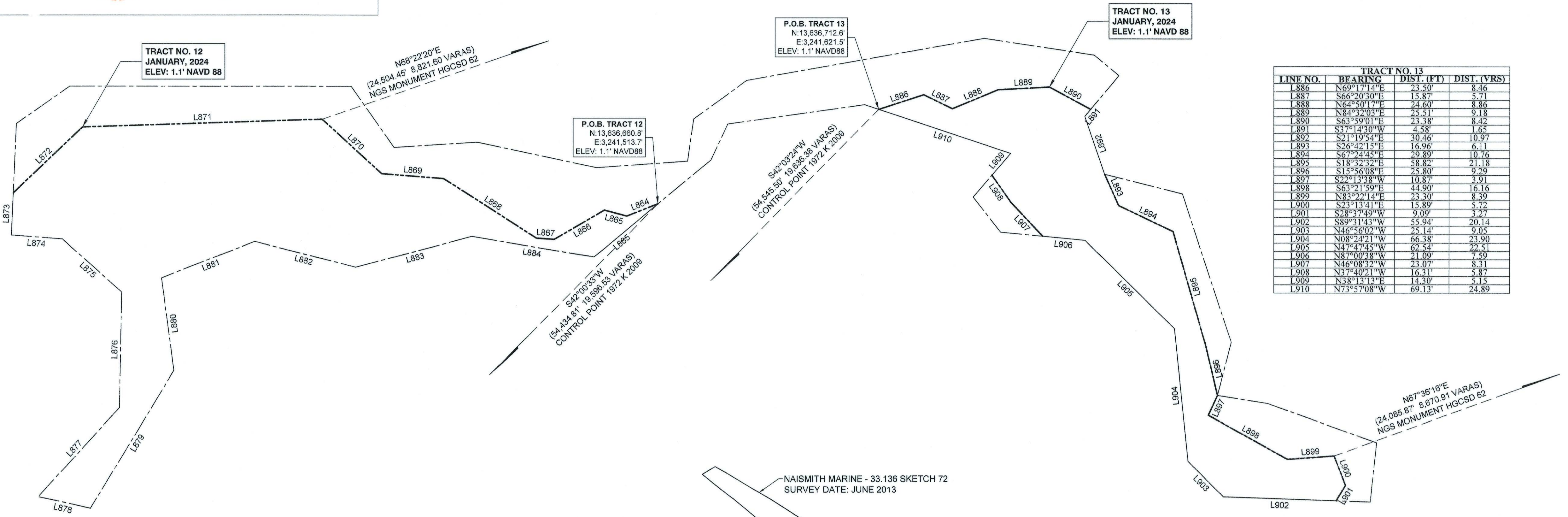
JAMES M. NAISMITH RPLS, LSL NO. 4828



STATE SUBMERGED
TRACT 56

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L864	S66°16'11"W	16.53'	5.95'
L865	N77°57'31"W	11.55'	4.16'
L866	S57°37'31"W	28.78'	10.36'
L867	N88°42'08"W	8.83'	3.18'
L868	N60°10'08"W	54.64'	19.67'
L869	N88°02'54"W	30.83'	11.10'
L870	N50°03'03"W	40.12'	14.44'
L871	S85°37'29"W	119.28'	42.94'
L872	S43°57'22"W	47.62'	17.14'
L873	S0°07'14"W	20.61'	7.42'
L874	S88°10'55"E	25.53'	9.19'
L875	S50°42'33"E	39.62'	14.26'
L876	S1°28'32"E	57.32'	20.64'
L877	S39°34'20"W	60.10'	21.64'
L878	S79°50'27"E	26.65'	9.59'
L879	N28°45'41"E	80.12'	28.84'
L880	N10°08'58"W	46.53'	16.75'
L881	N66°09'15"E	49.82'	17.94'
L882	S78°06'05"E	51.80'	18.65'
L883	N72°30'43"E	59.70'	21.49'
L884	S83°01'23"E	61.58'	22.17'
L885	N48°01'39"E	41.11'	14.80'

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L886	N69°17'14"E	23.50'	8.46'
L887	S66°20'30"E	15.87'	5.71'
L888	N64°50'17"E	24.60'	8.86'
L889	N84°32'03"E	25.51'	9.18'
L890	S63°59'01"E	23.38'	8.42'
L891	S37°14'30"W	4.58'	1.65'
L892	S21°19'54"E	30.46'	10.97'
L893	S26°42'15"E	16.96'	6.11'
L894	S67°24'45"E	29.89'	10.76'
L895	S18°32'52"E	58.82'	21.18'
L896	S13°56'08"E	25.80'	9.29'
L897	S22°13'38"W	10.87'	3.91'
L898	S63°21'59"E	44.90'	16.16'
L899	N83°22'14"E	23.30'	8.39'
L900	S23°13'41"E	15.89'	5.72'
L901	S28°37'49"W	9.09'	3.27'
L902	S89°31'43"W	55.94'	20.14'
L903	N46°56'02"W	25.14'	9.05'
L904	N08°24'21"W	66.38'	23.90'
L905	N47°47'45"W	62.54'	22.51'
L906	N87°00'38"W	21.09'	7.59'
L907	N46°08'32"W	23.07'	8.31'
L908	N37°40'21"W	16.31'	5.87'
L909	N38°13'13"E	14.30'	5.15'
L910	N73°57'08"W	69.13'	24.89'



P:\Y-2022\2022-1288\DWG3-BIRD ISLAND COVE COASTAL BNDY SURVEY\HDR - BIRD ISLAND COVE CBS.DWG

LEGEND:

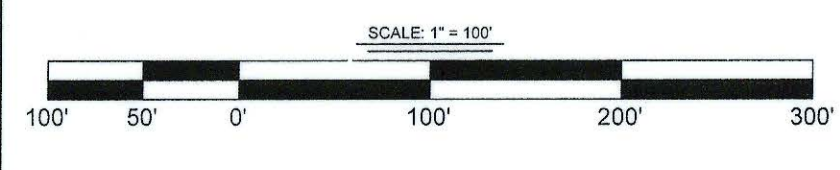
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TEXAS GENERAL LAND OFFICE
 Art. 33.136, Natural Resources Code
 Co. Galveston - SK No. 92
 No Date of Survey by K. Schaefer

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 6. TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
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 8. ADJACENT TRACTS ARE SHOWN GRAPHICALLY FOR IDENTIFICATION PURPOSES ONLY AND ARE NOT SPECIFICALLY TIED TO SUBJECT BOUNDARY.
 9. ADJACENT OWNER INFORMATION IS BASED ON ONLINE MAP DATA FROM GALVESTON COUNTY APPRAISAL DISTRICT.
 10. ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AT THE TIME OF SURVEY AND IS AS INDICATED HEREON AND ON ADDITIONAL ARTIFICIAL FILL / BUILD UP MAP.
 11. NO RETAINING WALL OR DEBRIS EXISTS AT TIME OF SURVEY.

1. 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
 DOC # 2024044600 O.P.R.G.C.T.

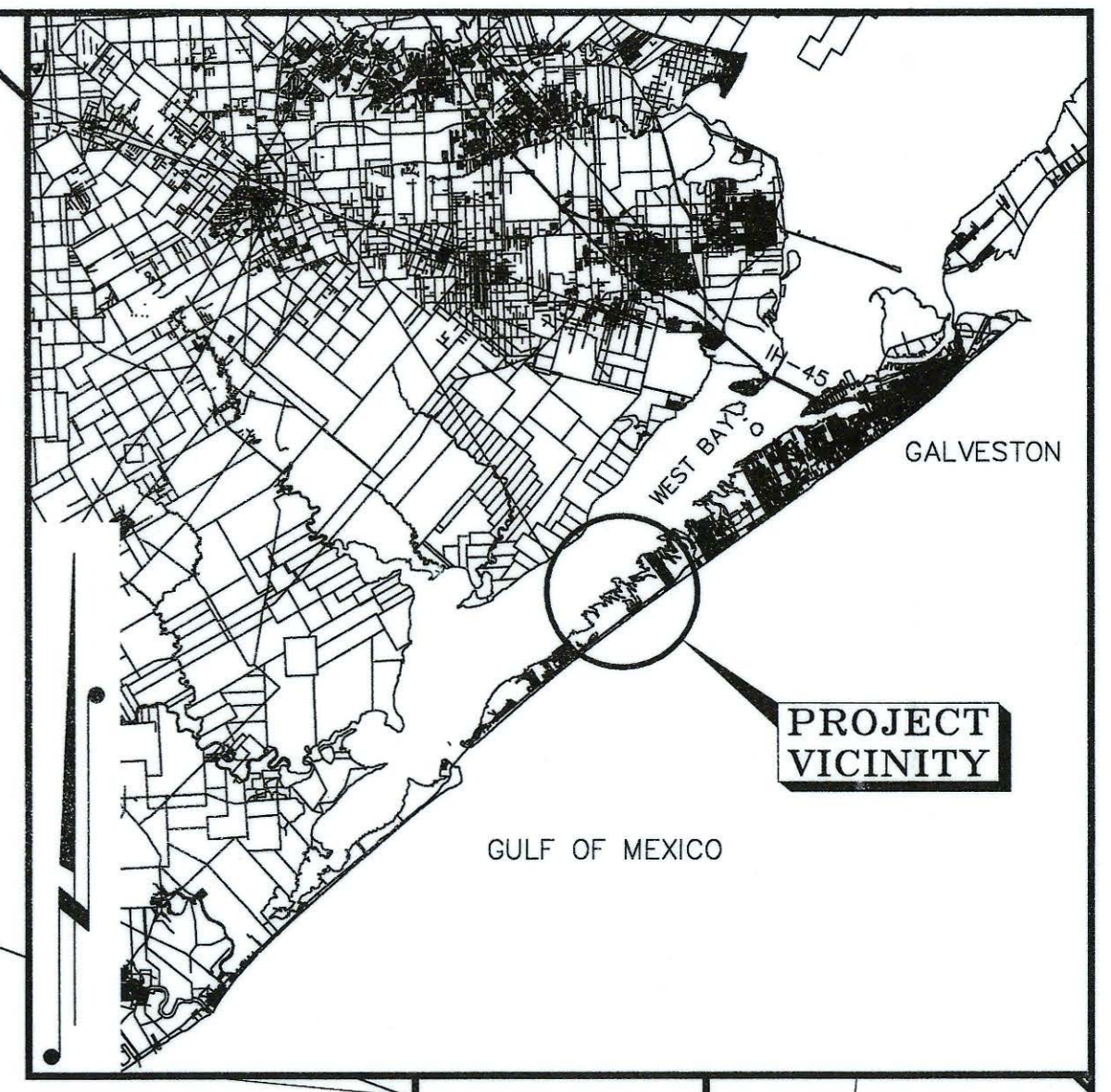
NOTICE: THIS SURVEY WAS PERFORMED IN ACCORDANCE WITH SECTION 33.136, NATURAL RESOURCES CODE, FOR THE PURPOSE OF EVIDENCING THE LOCATION OF THE SHORELINE IN THE AREA DEPICTED IN THIS SURVEY AS THAT SHORELINE EXISTED BEFORE COMMENCEMENT OF EROSION RESPONSE ACTIVITY, AS REQUIRED BY CHAPTER 33, NATURAL RESOURCES 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.
 SURVEY DATE: DECEMBER 18-21, 2023, JANUARY 04 AND JANUARY 10, 2024.

SURVEY PERSONNEL: VINNIE MAGNI, DANIEL WILLIS, MARLON AMAYA, AARON HANSON AND SCOTTY RALLS.

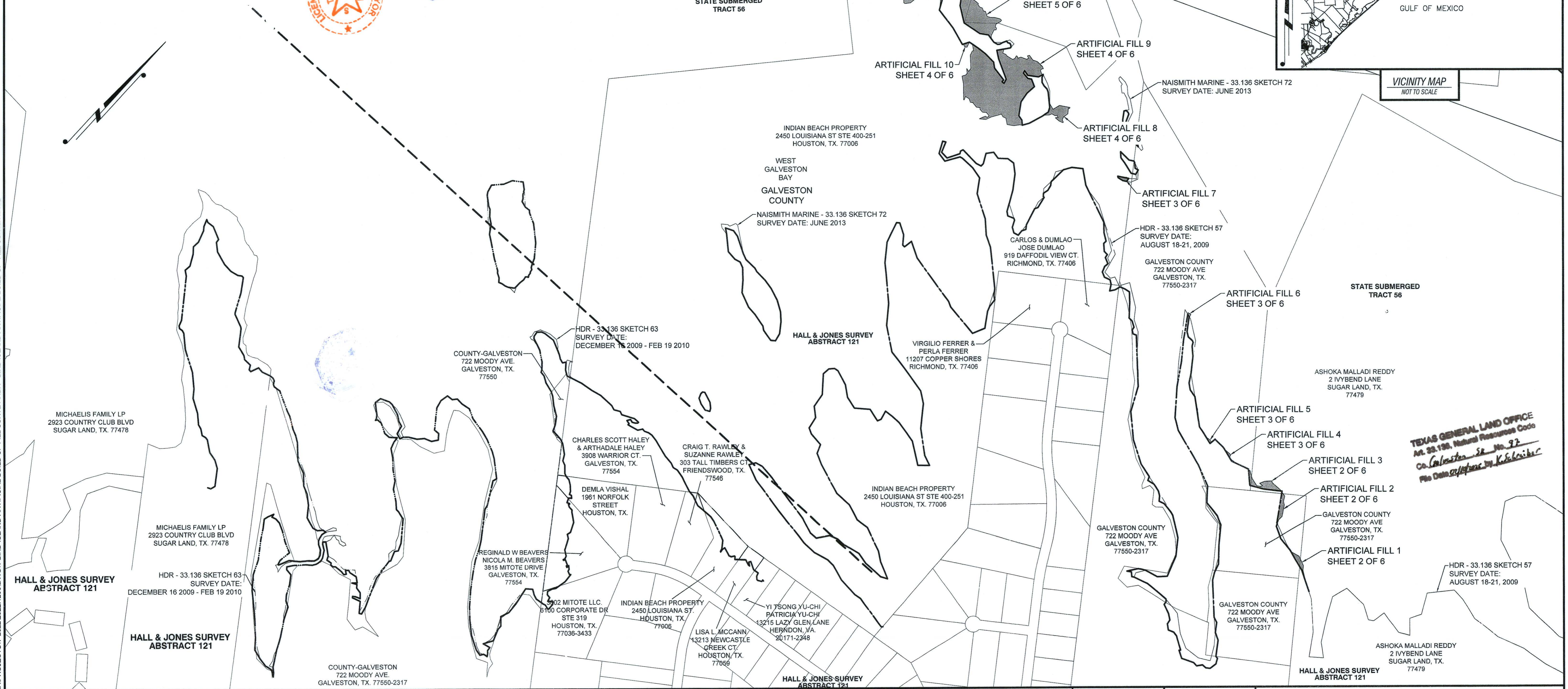
JAMES M. NAISMITH RPLS, LLS NO. 4828



LEGEND:
 P.O.B. POINT OF BEGINNING
 P.O.T. POINT OF TERMINATION
 MHW MEAN HIGH WATER
 SURVEY / ABSTRACT LINE
 MHW LINE AS SURVEYED (JANUARY 3, 2024)
 SUBMERGED STATE TRACT TRACT LINE
 NAISMITH MARINE - 33.136 SKETCH 72
 HDR - 33.136 SKETCH 57 AUGUST, 2009
 HDR - 33.136 SKETCH 63 AUGUST, 2009
 FILL / BUILD UP AREA



VICINITY MAP
 NOT TO SCALE



TEXAS GENERAL LAND OFFICE
 Art. 20.136, Natural Resources Code
 Co. Galveston, Sr. No. 92
 File Date 02/09/2024 by K. K. K.

THE BIRD ISLAND COVE SHORE PROTECTION AND MARSH RESTORATION PHASE II (CEPRA 1713) PROJECT INCLUDES THE CONSTRUCTION OF UP TO 8,836 LF OF RIPRAP BREAKWATER FOR COASTAL HABITAT PROTECTION WITH THE OPTION OF UP TO 6 ACRES OF MARSH PROTECTION.
 THIS PROJECT IS LOCATED IN GALVESTON WEST BAY ADJACENT TO BIRD ISLAND COVE AND SHELL ISLAND PROJECT.

REV. NO.	EV. DATE	REV. DESCRIPTION	REV. BY:
00			

T. BAKER SMITH
 A CENTURY OF SOLUTIONS
 3854 FM 1069
 Aransas Pass, TX 78336
 (361)334-5719 - tbsmith.com
 TBPLS #10194575

COVERPAGE
 NOT TO SCALE

DRAWN BY: CDW	APPROVED BY: AWK
DATE: 05/02/2024	JOB NO: 2022.1298
DRAWING NAME: HDR - BIRD ISLAND ARTIFICIAL BUILD UP FILL SURVEY	
PROJECTION: TEXAS STATE PLANE SOUTH CENTRAL GEO. DATUM: NAD83 (2011) VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET	
SHEET NO: 1	OF 6

BIRD ISLAND COVE
 BUILD UP/ FILL AREA ACCOMPANY COASTAL BOUNDARY SURVEY OF A PORTION OF THE NORTHERLY BOUNDARY LINE OF THE HALL & JONES SURVEY, ABSTRACT NO. 121, STATE SUBMERGED TRACT NO. 56. GALVESTON COUNTY, TEXAS.

- LEGEND:**
- P.O.B. POINT OF BEGINNING
 - P.O.T. POINT OF TERMINATION
 - MHW MEAN HIGH WATER
 - SURVEY / ABSTRACT LINE
 - MHW LINE AS SURVEYED (JANUARY 3, 2024)
 - SUBMERGED STATE TRACT
 - TRACT LINE
 - TRACT LINE
 - NAISMITH MARINE - 33.136 SKETCH 72
 - HDR - 33.136 SKETCH 57 AUGUST, 2009
 - HDR - 33.136 SKETCH 63 AUGUST, 2009
 - █ FILL / BUILD UP AREA

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1	N60°49'46"W	84.74'	30.51
L2	N72°30'16"W	144.49'	52.02
L3	S81°03'19"E	15.81'	5.69
L4	N75°36'55"E	51.76'	18.63
L5	S66°16'40"E	64.48'	23.71
L6	S35°43'08"E	26.92'	9.69
L7	S56°24'36"E	85.57'	30.81

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L16	S54°26'19"W	109.57'	39.45
L17	S62°08'12"W	87.45'	31.48
L19	N47°08'56"W	95.78'	33.76
L20	N72°30'37"E	97.16'	35.1
L21	S57°45'32"E	47.65'	17.15
L22	S74°22'22"E	53.01'	19.08
L23	N60°36'16"E	23.43'	8.43
L24	N20°07'26"E	15.99'	5.76
L25	S81°48'19"W	22.80'	8.21
L26	N26°52'41"E	34.55'	12.44
L27	N44°20'29"E	43.61'	15.70
L28	S59°01'51"E	13.04'	4.69
L29	N89°02'22"E	63.23'	22.76
L30	S79°12'55"E	10.88'	3.92

STATE SUBMERGED TRACT 56

ASHOKA MALLADI REDDY
2 IVYBEND LANE
SUGAR LAND, TX.
77479

GALVESTON COUNTY
722 MOODY AVE
GALVESTON, TX.
77550-2317

ARTIFICIAL FILL NO. 1
JANUARY 8, 2024
ELEV: 1.1' NAVD88

STATE SUBMERGED TRACT 56

ASHOKA MALLADI REDDY
2 IVYBEND LANE
SUGAR LAND, TX.
77479

GALVESTON COUNTY
722 MOODY AVE
GALVESTON, TX.
77550-2317

ARTIFICIAL FILL NO. 3
JANUARY 8, 2024
ELEV: 1.1' NAVD88

P.O.B.
ARTIFICIAL BUILD UP / FILL 3
N: 13,635,071.3'
E: 3,245,217.9'
ELEV: 1.1' NAVD88

N60°35'39"E
(21,702.68' 7,812.96 VARAS)
NGS MONUMENT HGCS D 62

ARTIFICIAL FILL NO. 2
JANUARY 8, 2024
ELEV: 1.1' NAVD88

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L9	N67°07'30"W	5.70'	2.05
L10	S79°12'55"E	29.56'	10.64
L11	S59°21'09"E	33.59'	12.09
L12	S54°18'16"E	23.19'	8.35
L13	S51°13'28"E	20.50'	7.38
L14	S03°20'59"W	28.89'	10.40
L15	S23°35'03"E	26.91'	9.69

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

DOC # 2024044600 O.P.R.G.C.T.

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.

SURVEY DATE: DECEMBER 18-21, 2023; JANUARY 04 AND JANUARY 10, 2024.

SURVEY PERSONNEL: VINNIE MAGNI, DANIEL WILLIS, MARLON AMAYA, AARON HANSON AND SCOTTY RALLS.



James M. Naismith
JAMES M. NAISMITH RPLS, LLSLS NO. 4828

- NOTES:**
- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (#4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 0.99989954 AND CONVERGENCE ANGLE IS +01° 59' 24.8".
 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT.

NGS MONUMENT "HGCS D 62" PID AW5708 (PUBLISHED)	OPUS MONUMENT "1972 K 2009"
N: 13,645,727.12'	N: 13,596,213.62'
E: 3,264,124.40'	E: 3,205,083.27'
ELEV: 6.3' NAVD88	ELEV: 3.1' NAVD88
 - ALL OTHER MONUMENTS ARE REFERENCED AS MEASURED AND SHOWN HEREON.
 - ALL POSITIONS AND ELEVATIONS RECORDED USING SURVEY GRADE, RTK GPS, EQUIPMENT: TRIMBLE R8/R10.
 - THE LITTORAL BOUNDARY IS BASED ON THE MEAN HIGH WATER (MHW) CONTOUR. MHW ELEVATION OF 1.1' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION GALVESTON RAILROAD BRIDGE TX [87714 GALVESTON, TX, AND SAN LUIS PASS TX [8771972], GALVESTON, TEXAS.
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 - ADJACENT OWNER INFORMATION IS BASED ON ONLINE MAP DATA FROM GALVESTON COUNTY APPRAISAL DISTRICT.
 - ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AT THE TIME OF SURVEY AND IS AS INDICATED HERON.
 - NO RETAINING WALLS OR DEBRIS EXISTS AT TIME OF SURVEY.

GALVESTON COUNTY
722 MOODY AVE
GALVESTON, TX.
77550-2317

P.O.B.
ARTIFICIAL BUILD UP / FILL 1
N: 13,634,755.6'
E: 3,245,718.1'
ELEV: 1.1' NAVD88

N59°12'07"E
(21,428.16' 7,714.14 VARAS)
NGS MONUMENT HGCS D 62

HDR - 33.136 SKETCH 57
SURVEY DATE:
AUGUST 18-21, 2009

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Galveston, No. 97
File Date 02/09/2024 by K. Schreiber

P.O.B.
ARTIFICIAL BUILD UP / FILL 2
N: 13,634,907.6'
E: 3,245,335.9'
ELEV: 1.1' NAVD88

N60°03'51"E
(21,681.12' 7,805.20 VARAS)
NGS MONUMENT HGCS D 62

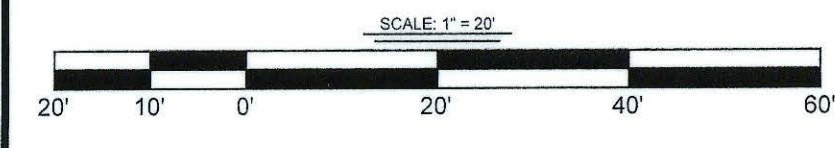
HDR - 33.136 SKETCH 57
SURVEY DATE:
AUGUST 18-21, 2009

THE BIRD ISLAND COVE SHORE PROTECTION AND MARSH RESTORATION PHASE II (CEPRA 1713) PROJECT INCLUDES THE CONSTRUCTION OF UP TO 8.836 LF OF RIPRAP BREAKWATER FOR COASTAL HABITAT PROTECTION WITH THE OPTION OF UP TO 6 ACRES OF MARSH PROTECTION.

THIS PROJECT IS LOCATED IN GALVESTON WEST BAY ADJACENT TO BIRD ISLAND COVE AND SHELL ISLAND PROJECT.

REV. NO.	REV. DATE	REV. DESCRIPTION	REV. BY
00	---		

T. BAKER SMITH
A CENTURY OF SOLUTIONS
3854 FM 1069
Aransas Pass, TX 78336
(361)334-5719 - tbsmith.com
TBPLS #10194575

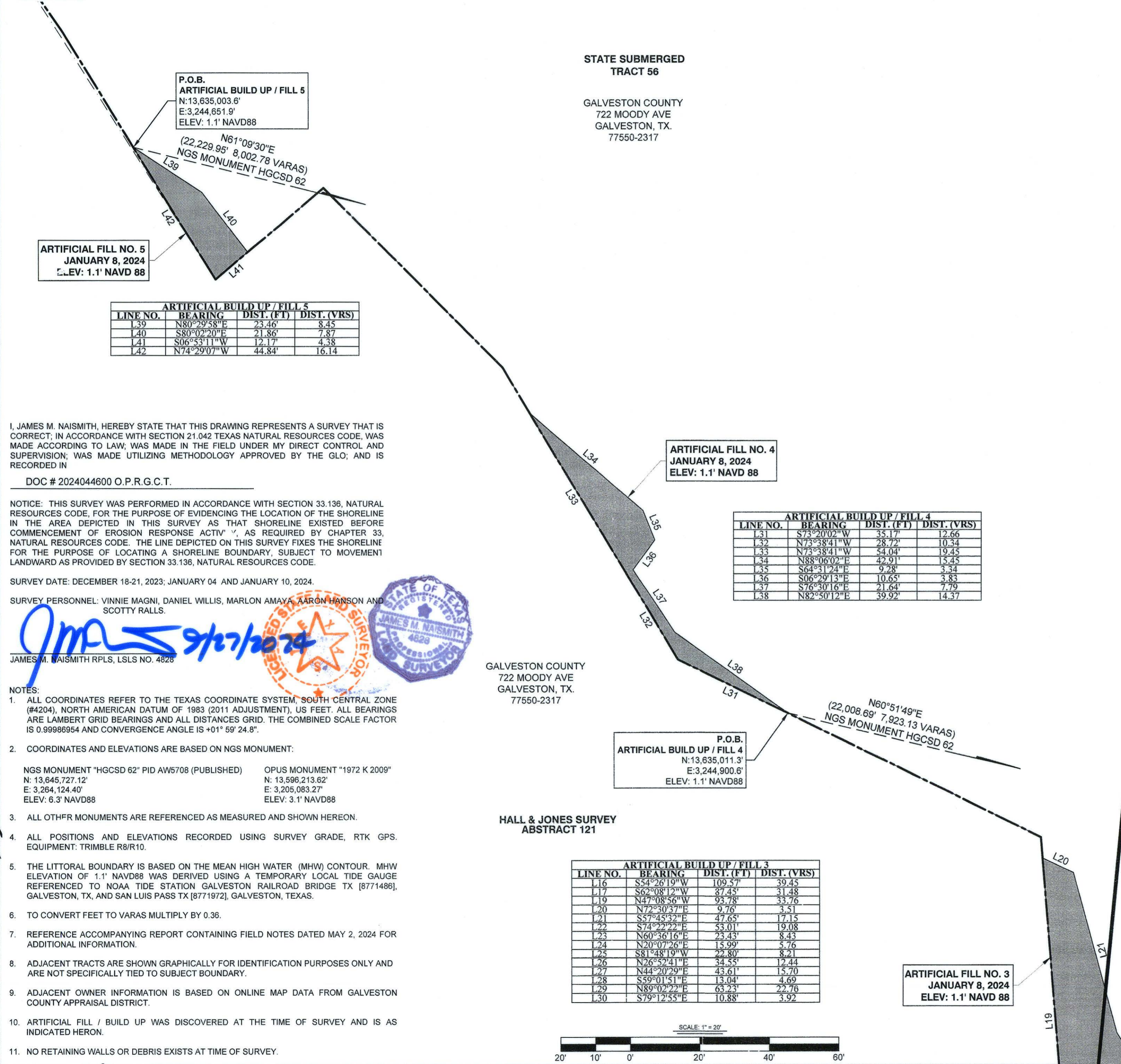


DRAWN BY:	CDW	APPROVED BY:	AWK
DATE:	05/02/2024	JOB NO.:	2022.1298
DRAWING NAME: HDR - BIRD ISLAND ARTIFICIAL BUILD UP FILL SURVEY			
PROJECTION: TEXAS STATE PLANE SOUTH CENTRAL GEO. DATUM: NAD83 (2011) VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET			
SHEET NO.:	2	OF	6

BIRD ISLAND COVE

BUILD UP / FILL AREA ACCOMPANY COASTAL BOUNDARY SURVEY OF A PORTION OF THE NORTHERLY BOUNDARY LINE OF THE HALL & JONES SURVEY, ABSTRACT NO. 121, STATE SUBMERGED TRACT NO. 56, GALVESTON COUNTY, TEXAS.

- LEGEND:**
- P.O.B. POINT OF BEGINNING
 - P.O.T. POINT OF TERMINATION
 - MHW MEAN HIGH WATER
 - SURVEY / ABSTRACT LINE
 - MHW LINE AS SURVEYED (JANUARY 3, 2024)
 - SUBMERGED STATE TRACT
 - TRACT LINE
 - NAISMITH MARINE - 33.136 SKETCH 72
 - HDR - 33.136 SKETCH 57 AUGUST, 2009
 - HDR - 33.136 SKETCH 63 AUGUST, 2009
 - FILL / BUILD UP AREA



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

DOC # 2024044600 O.P.R.G.C.T.

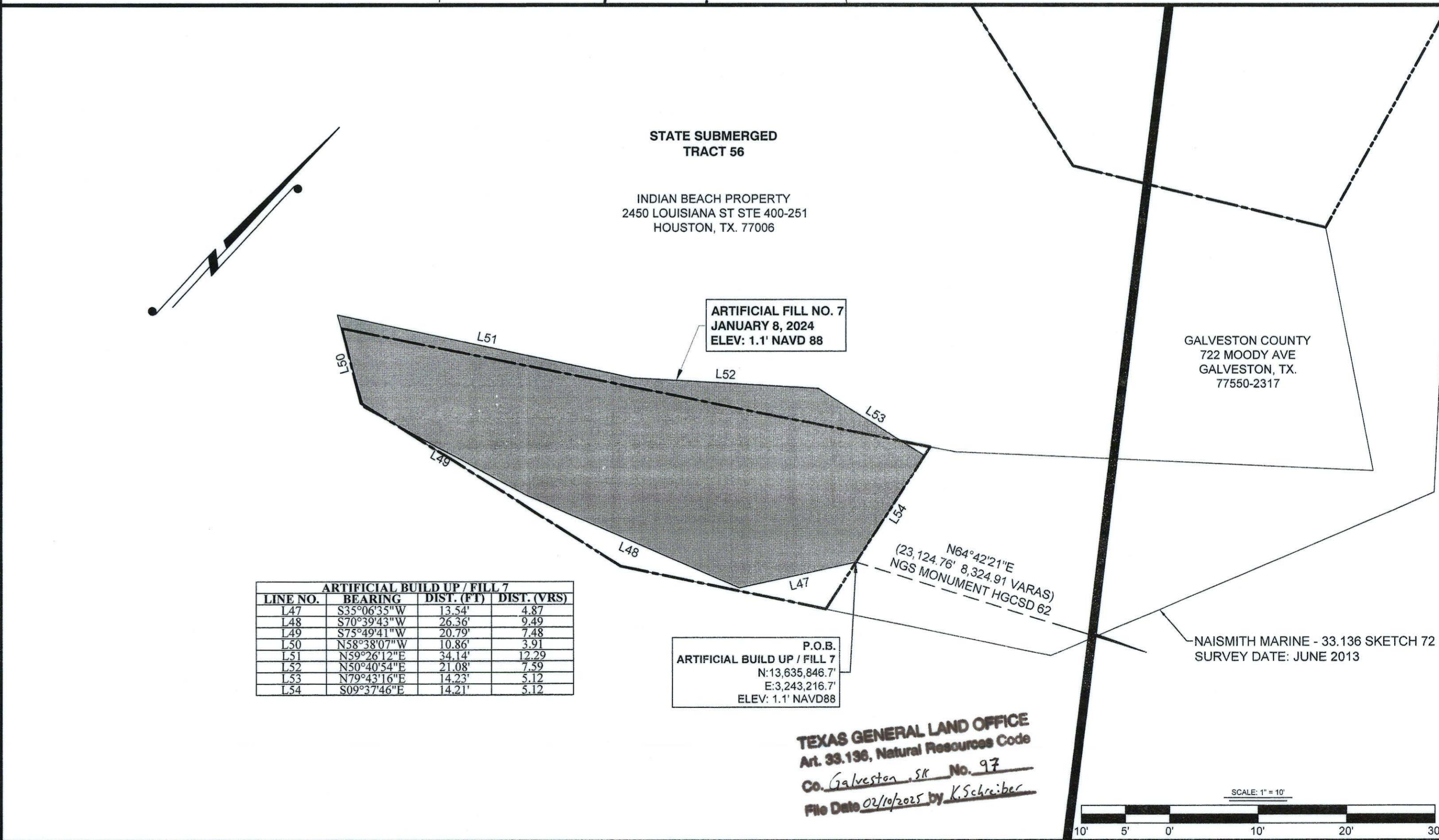
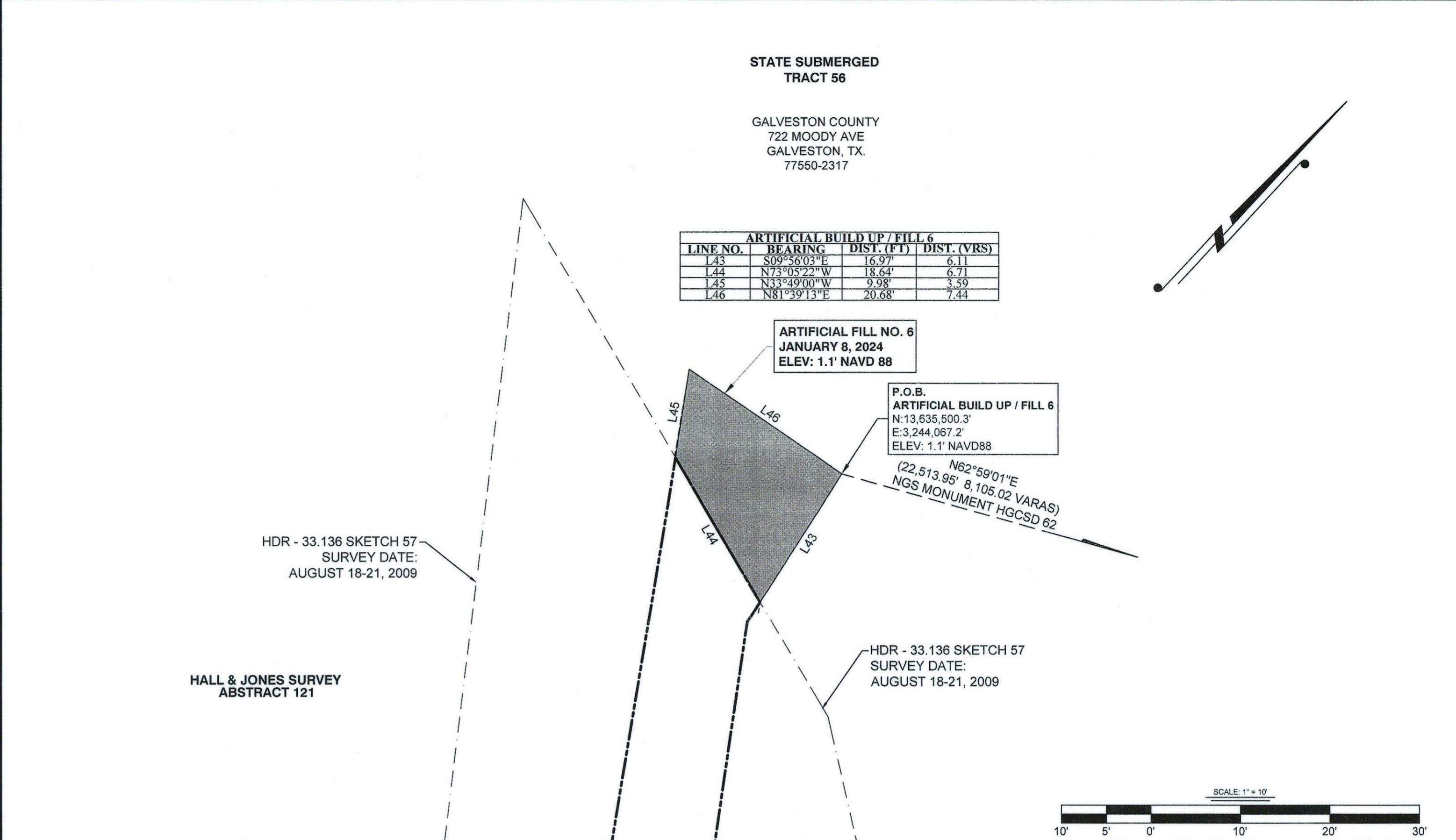
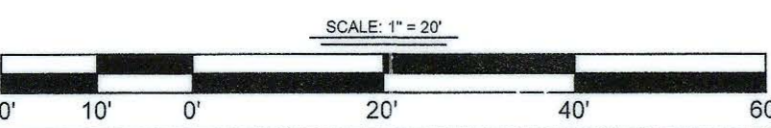
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SURVEY DATE: DECEMBER 18-21, 2023, JANUARY 04 AND JANUARY 10, 2024.

SURVEY PERSONNEL: VINNIE MAGNI, DANIEL WILLIS, MARLON AMAYA, AARON HANSON AND SCOTTY RALLS.

STATE OF TEXAS
 JAMES M. NAISMITH
 SURVEYOR
 LICENSE NO. 10888

- NOTES:**
- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (#4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 0.99886954 AND CONVERGENCE ANGLE IS +01° 59' 24.8".
 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT.
 - NGS MONUMENT "HGSD 62" PID AW5708 (PUBLISHED) OPUS MONUMENT "1972 K 2009" N: 13,645,727.12 E: 3,264,124.40 ELEV: 6.3' NAVD88
 - ALL OTHER MONUMENTS ARE REFERENCED AS MEASURED AND SHOWN HEREON.
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 - THE LITTORAL BOUNDARY IS BASED ON THE MEAN HIGH WATER (MHW) CONTOUR. MHW ELEVATION OF 1.1' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION GALVESTON RAILROAD BRIDGE TX [8771486], GALVESTON, TX, AND SAN LUIS PASS TX [8771972], GALVESTON, TEXAS.
 - TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
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 - ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AT THE TIME OF SURVEY AND IS AS INDICATED HEREON.
 - NO RETAINING WALLS OR DEBRIS EXISTS AT TIME OF SURVEY.



T. BAKER SMITH
 A CENTURY OF SOLUTIONS
 3854 FM 1069
 Aransas Pass, TX 78336
 (361)334-5719 - tbsmith.com
 TBPLS #10194575

DRAWN BY: CDW APPROVED BY: AWK
 DATE: 05/02/2024 JOB NO: 2022.1298
 DRAWING NAME: HDR - BIRD ISLAND ARTIFICIAL BUILD UP FILL SURVEY
 PROJECTION: TEXAS STATE PLANE SOUTH CENTRAL
 GEO. DATUM: NAD83 (2011) | VERT. DATUM: NAVD88
 GRID UNITS: US SURVEY FEET
 SHEET NO: 3 OF 6

BIRD ISLAND COVE
 BUILD UP/ FILL AREA ACCOMPANY COASTAL
 BOUNDARY SURVEY OF A PORTION OF THE
 NORTHERLY BOUNDARY LINE OF THE HALL &
 JONES SURVEY, ABSTRACT NO. 121,
 STATE SUBMERGED TRACT NO. 56.
 GALVESTON COUNTY, TEXAS.

97407(12)

LEGEND:

P.O.B. POINT OF BEGINNING
P.O.T. POINT OF TERMINATION
MHw MEAN HIGH WATER

--- SURVEY / ABSTRACT LINE
- - - MHW LINE AS SURVEYED (JANUARY 3, 2024)
- - - SUBMERGED STATE TRACT

--- TRACT LINE
--- NAISMITH MARINE - 33.136 SKETCH 72
--- HDR - 33.136 SKETCH 57 AUGUST, 2009
--- HDR - 33.136 SKETCH 63 AUGUST, 2009

■ FILL / BUILD UP AREA

ARTIFICIAL BUILD UP / FILL 10

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L157	S16°29'27"E	34.08	14.14
L158	S53°47'29"W	12.91	12.27
L159	N72°03'16"W	19.43	4.65
L160	N29°05'12"E	39.28	6.99

P.O.B.
ARTIFICIAL BUILD UP / FILL 10
N:13,635,818.8'
E:3,241,917.5'
ELEV: 1.1' NAVD88

ARTIFICIAL BUILD UP / FILL 9

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L78	S41°51'16"W	10.05	3.62
L79	S00°31'59"W	13.33	4.80
L80	S65°09'58"E	26.38	9.50
L81	N38°05'58"E	6.69	2.41
L82	S74°57'54"E	2.47	0.89

ARTIFICIAL BUILD UP / FILL 9

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L105	N76°32'24"E	16.40	5.90
L106	N01°03'26"W	15.34	5.52
L107	N83°23'43"W	26.68	9.60
L108	S09°46'49"W	27.57	8.13
L109	N85°20'34"W	23.99	8.64

ARTIFICIAL BUILD UP / FILL 9

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L131	S86°09'23"E	72.52	26.11
L132	S50°35'59"E	37.64	13.55
L133	S79°42'10"E	92.47	33.29
L134	S03°54'02"E	14.36	5.39
L135	N84°35'29"E	18.24	6.78

ARTIFICIAL FILL NO. 10
JANUARY 8, 2024
ELEV: 1.1' NAVD 88

ARTIFICIAL FILL NO. 9
JANUARY 8, 2024
ELEV: 1.1' NAVD 88

P.O.B.
ARTIFICIAL BUILD UP / FILL 9
N:13,638,006.8'
E:3,242,366.1'
ELEV: 1.1' NAVD88

ARTIFICIAL BUILD UP / FILL 8

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L55	S13°30'37"E	6.93	2.49
L56	S74°09'31"W	6.89	2.48
L57	S35°40'46"E	36.20	13.03
L58	S19°29'44"W	31.46	11.53
L59	S17°16'56"E	20.86	7.51
L60	S67°55'27"E	16.44	5.92
L61	S09°44'38"W	41.13	14.49
L62	S79°18'02"W	25.62	9.15
L63	S86°35'59"W	29.50	10.76
L64	N17°35'58"E	5.10	1.84
L65	N55°28'54"E	12.97	4.67
L66	N68°17'12"W	7.98	2.87
L67	S36°21'56"W	11.50	4.14
L68	S75°54'48"W	23.09	8.31
L69	S23°27'27"W	18.84	6.78
L70	S46°52'13"W	22.08	7.95
L71	S32°35'02"W	15.36	5.53
L72	N15°36'20"E	38.80	13.97
L73	N24°47'41"W	30.85	11.11
L74	N48°29'57"W	27.06	9.74
L75	S72°41'32"E	45.17	16.26
L76	N17°07'37"E	46.95	16.90
L77	N38°33'17"E	66.17	23.82

P.O.B.
ARTIFICIAL BUILD UP / FILL 8
N:13,635,941.1'
E:3,242,650.7'
ELEV: 1.1' NAVD88

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

DOC # 2024044600 O.P.R.G.C.T.

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SURVEY PERSONNEL: VINNIE MAGNI, DANIEL WILLIS, MARLON AMAYA, AARON HANSON AND SCOTTY RALLS.



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 - NGS MONUMENT "HGCS D62" PID AW5708 (PUBLISHED) N: 13,645,727.12' E: 3,264,124.40' ELEV: 6.3' NAVD88
 - OPUS MONUMENT "1972 K 2009" N: 13,696,213.62' E: 3,205,083.27' ELEV: 3.1' NAVD88
- ALL OTHER MONUMENTS ARE REFERENCED AS MEASURED AND SHOWN HEREON.
- ALL POSITIONS AND ELEVATIONS RECORDED USING SURVEY GRADE, RTK GPS, EQUIPMENT: TRIMBLE R8/R10.
- THE LITTORAL BOUNDARY IS BASED ON THE MEAN HIGH WATER (MHW) CONTOUR. MHW ELEVATION OF 1.1' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION GALVESTON RAILROAD BRIDGE TX [8771498], GALVESTON, TX, AND SAN LUIS PASS TX [8771972], GALVESTON, TEXAS.
- TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
- REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED MAY 2, 2024 FOR ADDITIONAL INFORMATION.
- ADJACENT TRACTS ARE SHOWN GRAPHICALLY FOR IDENTIFICATION PURPOSES ONLY AND ARE NOT SPECIFICALLY TIED TO SUBJECT BOUNDARY.
- ADJACENT OWNER INFORMATION IS BASED ON ONLINE MAP DATA FROM GALVESTON COUNTY APPRAISAL DISTRICT.
- ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AT THE TIME OF SURVEY AND IS AS INDICATED HEREON.
- NO RETAINING WALLS OR DEBRIS EXISTS AT TIME OF SURVEY.

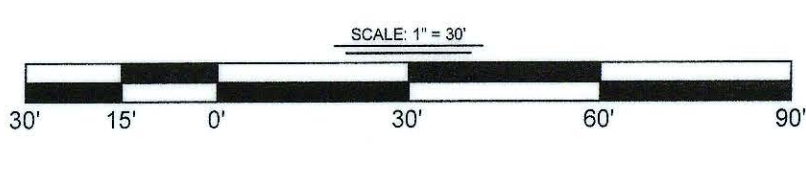
THE BIRD ISLAND COVE SHORE PROTECTION AND MARSH RESTORATION PHASE II (CEPRA 1713) PROJECT INCLUDES THE CONSTRUCTION OF UP TO 8.838 LF OF RIPRAP BREAKWATER FOR COASTAL HABITAT PROTECTION WITH THE OPTION OF UP TO 6 ACRES OF MARSH PROTECTION.

THIS PROJECT IS LOCATED IN GALVESTON WEST BAY ADJACENT TO BIRD ISLAND COVE AND SHELL ISLAND PROJECT.

REV. NO.	DATE	REV. DESCRIPTION	REV. BY
00	-/-	-/-	-/-

REV. NO.	DATE	REV. DESCRIPTION	REV. BY

T. BAKER SMITH
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Aransas Pass, TX 78336
(361) 334-5719 - tbsmith.com
TBPLS #10194575



DRAWN BY: CDW APPROVED BY: AWK
DATE: 05/02/2024 JOB NO: 2022.1298

DRAWING NAME: HDR - BIRD ISLAND ARTIFICIAL BUILD UP FILL SURVEY
PROJECTION: TEXAS STATE PLANE SOUTH CENTRAL
GEO. DATUM: NAD83 (2011) | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SHEET NO: 4 OF 6

BIRD ISLAND COVE
BUILD UP/ FILL AREA ACCOMPANY COASTAL BOUNDARY SURVEY OF A PORTION OF THE NORTHERLY BOUNDARY LINE OF THE HALL & JONES SURVEY, ABSTRACT NO. 121, STATE SUBMERGED TRACT NO. 56, GALVESTON COUNTY, TEXAS.

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Galveston, SR No. 27
File Date 01/08/2024 by K. Schaefer

97407 (13)

LEGEND:

- P.O.B. POINT OF BEGINNING
- P.O.T. POINT OF TERMINATION
- MHW MEAN HIGH WATER
- SURVEY / ABSTRACT LINE
- - - MHW LINE AS SURVEYED (JANUARY 3, 2024)
- - - SUBMERGED STATE TRACT
- TRACT LINE
- NAISMITH MARINE - 33.136 SKETCH 72
- - - HDR - 33.136 SKETCH 57 AUGUST, 2009
- - - HDR - 33.136 SKETCH 63 AUGUST, 2009
- █ FILL / BUILD UP AREA

ARTIFICIAL BUILD UP / FILL 17			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L347	S30°31'01"W	12.86	4.63
L348	S16°06'17"W	4.39	1.58
L349	S39°38'34"W	6.04	2.17
L350	S61°37'38"E	31.02	11.17
L351	S13°55'56"E	14.03	5.05
L352	S09°38'42"W	11.63	4.19
L353	S59°21'11"W	10.11	3.64
L354	S55°57'51"W	24.49	8.82
L355	S23°23'40"W	14.78	5.32
L356	S68°54'38"W	10.60	3.82
L357	N79°03'22"W	13.29	4.78
L358	N38°38'53"W	9.91	3.57
L359	N16°54'00"W	11.68	4.20
L360	N21°36'43"E	13.71	4.94
L361	N46°43'20"W	22.09	7.71
L362	N78°55'23"W	13.09	4.71
L363	N27°53'45"W	11.34	4.08
L364	N83°51'07"W	13.08	4.71
L365	S80°27'32"W	10.18	3.66
L366	N56°47'57"W	11.86	4.27
L367	N72°08'57"W	16.44	5.92
L368	S77°39'48"W	15.85	5.71
L369	S39°41'12"W	17.31	6.23
L370	S78°04'50"W	11.30	4.07
L371	N64°22'22"W	13.14	4.73
L372	N71°59'09"E	54.71	19.70
L373	S83°01'23"E	61.58	22.17
L374	N48°01'39"E	41.11	14.80
L375	N66°16'11"E	19.75	7.11
L376	S74°50'26"E	8.41	3.03

ARTIFICIAL BUILD UP / FILL 18			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L377	N65°18'44"W	10.20	3.67
L378	N33°00'17"W	14.61	5.26
L379	N50°13'35"W	25.41	9.15
L380	N58°53'43"W	7.00	2.52
L381	N65°55'30"W	8.12	2.92
L382	N73°11'27"W	4.01	1.44
L383	S87°00'38"E	12.36	4.45
L384	S47°47'45"E	57.12	20.56

ARTIFICIAL BUILD UP / FILL 16			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L334	S87°13'43"W	15.91	5.73
L335	S55°18'06"W	30.60	11.02
L336	S04°00'59"W	10.32	3.72
L337	S29°47'36"W	12.63	4.55
L338	S19°45'01"E	11.24	4.05
L339	S04°20'26"E	7.87	2.83
L340	S41°23'10"W	9.08	3.26
L341	N78°20'44"W	11.48	4.13
L342	S70°57'30"W	7.73	2.78
L343	N28°45'41"E	5.54	1.99
L344	N10°08'58"W	46.53	16.75
L345	N66°09'15"E	49.82	17.94
L346	S78°06'05"E	28.78	10.36

ARTIFICIAL BUILD UP / FILL 15			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L322	S24°32'18"E	11.02	3.97
L323	S05°41'52"E	11.20	4.05
L324	S37°07'11"W	8.26	2.97
L325	S75°55'31"W	21.67	7.80
L326	N80°19'36"W	8.03	2.89
L327	N36°29'45"W	6.68	2.40
L328	S64°54'55"W	4.62	1.66
L329	N39°40'50"W	6.64	2.39
L330	N72°27'14"W	2.37	0.85
L331	N40°21'21"E	5.09	1.83
L332	S79°50'27"E	27.19	9.75
L333	N28°45'41"E	26.65	9.59

ARTIFICIAL BUILD UP / FILL 19			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L385	S63°22'29"W	10.12	3.64
L386	S77°29'28"W	13.38	4.82
L387	S65°52'59"W	9.93	3.57
L388	S83°56'01"W	11.25	4.05
L389	N62°30'27"W	20.03	7.21
L390	N70°41'48"W	14.46	5.21
L391	N48°59'38"W	13.31	4.79
L392	N50°44'25"W	13.05	4.70
L393	N13°59'43"E	13.20	4.75
L394	N00°12'00"W	12.32	4.44
L395	N09°58'31"E	11.96	4.31
L396	N05°03'48"W	13.80	4.97
L397	N01°07'10"E	12.57	4.53
L398	S47°47'45"E	2.96	1.07
L399	S08°24'21"E	66.38	23.90
L400	S46°56'02"E	25.14	9.05
L401	N89°31'43"E	55.94	20.14

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

DOC # 2024044600 O.P.R.G.C.T.

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.

SURVEY DATE: DECEMBER 18-21, 2023; JANUARY 04 AND JANUARY 10, 2024.

SURVEY PERSONNEL: VINNIE MAGNI, DANIEL WILLIS, MARLON AMAYA, AARON HANSON AND SCOTTY RALLS.

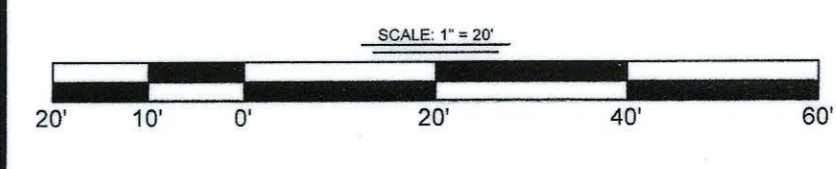
JAMES M. NAISMITH RPLS, LSLS NO. 4828

- NOTES:**
- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (#4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 0.99986954 AND CONVERGENCE ANGLE IS +01° 59' 24.8".
 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT. NGS MONUMENT "HGCS D 62" PID AW5708 (PUBLISHED) OPUS MONUMENT "1972 K 2009" N: 13,845,727.12' E: 3,284,124.40' ELEV: 6.3' NAVD88 N: 13,596,213.62' E: 3,205,083.27' ELEV: 3.1' NAVD88
 - ALL OTHER MONUMENTS ARE REFERENCED AS MEASURED AND SHOWN HEREON.
 - ALL POSITIONS AND ELEVATIONS RECORDED USING SURVEY GRADE, RTK GPS. EQUIPMENT: TRIMBLE R8/R10.
 - THE LITTORAL BOUNDARY IS BASED ON THE MEAN HIGH WATER (MHW) CONTOUR. MHW ELEVATION OF 1.1' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION GALVESTON RAILROAD BRIDGE TX [8771486], GALVESTON, TX, AND SAN LUIS PASS TX [8771972], GALVESTON, TEXAS.
 - TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 - REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED MAY 2, 2024 FOR ADDITIONAL INFORMATION.
 - ADJACENT TRACTS ARE SHOWN GRAPHICALLY FOR IDENTIFICATION PURPOSES ONLY AND ARE NOT SPECIFICALLY TIED TO SUBJECT BOUNDARY.
 - ADJACENT OWNER INFORMATION IS BASED ON ONLINE MAP DATA FROM GALVESTON COUNTY APPRAISAL DISTRICT.
 - ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AT THE TIME OF SURVEY AND IS AS INDICATED HERON.
 - NO RETAINING WALLS OR DEBRIS EXISTS AT TIME OF SURVEY.

REV. NO.	REV. DATE	REV. DESCRIPTION	REV. BY
00	-/-/-		

REVISIONS	

T. BAKER SMITH
A CENTURY OF SOLUTIONS
3854 FM 1069
Aransas Pass, TX 78336
(361)334-5719 - tbsmith.com
TBPLS #10194575



DRAWN BY: CDW	APPROVED BY: AWK
DATE: 05/02/2024	JOB NO: 2022.1298
DRAWING NAME: HDR - BIRD ISLAND ARTIFICIAL BUILD UP FILL SURVEY	
PROJECTION: TEXAS STATE PLANE SOUTH CENTRAL GEO. DATUM: NAD83 (2011) VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET	
SHEET NO: 6	OF 6

BIRD ISLAND COVE

BUILD UP/ FILL AREA ACCOMPANY COASTAL BOUNDARY SURVEY OF A PORTION OF THE NORTHERLY BOUNDARY LINE OF THE HALL & JONES SURVEY, ABSTRACT NO. 121, STATE SUBMERGED TRACT NO. 56, GALVESTON COUNTY, TEXAS.

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Galveston, S.E. No. 92
File Date 02/14/2024, K. Schaefer



TEXAS GENERAL LAND OFFICE
COMMISSIONER DAWN BUCKINGHAM, M.D.

Surveying Services
Coastal Boundary Survey

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Galveston, Sk No. 97
File Date 02/10/2025 by K. Schreiber

Project: Bird Island Cove_Hall and Jones Survey
Project No: CEPRA Project No. 1713
Project Manager: Rita Setser, Coastal Resources, Amy Nunez, Coastal Field Operations
Surveyor: Jim M. Naismith, Licensed State Land Surveyor
Description: Coastal Boundary Survey, being the Littoral Boundary line along the Mean High Water (MHW) lines of West Bay, being a portion of the Northerly, Southerly, Easterly, and Westerly boundary lines of the Hall & Jones Survey, Abstract No. 121, same being the Northerly, Southerly, Easterly, and Westerly boundary lines of West Bay and State Submerged Tract No.'s 47 and 56. Galveston County, Texas, in connection with CEPRA Project No. 1713. Centroid coordinates: 29.174283° N, 95.009304° W, WGS84. A copy of the survey has been filed under Instrument No. 2024044600, Official Public Records of Galveston County, Texas.

A Coastal Boundary Survey for the above-referenced project has been reviewed and accepted by Surveying Services; 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 Tex. Nat. Res. Code §33.136.

by:
Signed: [Signature]
David Klotz, Staff Surveyor

1/30/2025
Surveying Services Date

Pursuant to Tex. Nat. Res. Code §33.136, the herein described Coastal Boundary Survey is approved by Dawn Buckingham, M.D., Commissioner of the Texas General Land Office.

Signed by:
by:
Signed: Jennifer G Jones
Jennifer G. EYOBBS09B56540E...
Chief Clerk and Deputy Land Commissioner

2/5/2025
Date

Filed as: Galveston County, NRC Article 33.136 Sketch No. 97
Tex. Nat. Res. Code §33.136



TEXAS GENERAL LAND OFFICE
COMMISSIONER DAWN BUCKINGHAM, M.D.

ROUTING FOR INTERNAL DOCUSIGN PACKET

Staff Surveyor DocuSigned by:
[Signature]
A48B70864E50480...

Surveying DocuSigned by:
Mark J. Neugebauer
E246E7FD22AA4D6...

Legal DocuSigned by:
David Land
287BFE8E18D748F...
DocuSigned by:

Director DocuSigned by:
[Signature]
66464110571B4FD...

Dep. Gen. Counsel DocuSigned by:
Marc Barenblat
833F61245C79401...

Gen. Counsel DocuSigned by:
Jeff Gordon
3E1127E3B26541D...

T. Baker Smith, LLC
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Aransas Pass, TX 78336
(361) 334-5719
FIRM #10194575



COASTAL BOUNDARY SURVEY, JANUARY 8, 2024

This report accompanies a map of survey dated January 10, 2024.

Being the Littoral Boundary line along the Mean High Water (MHW) lines of West Galveston Bay, Being a portion of the Northerly, Southerly, Easterly, and Westerly boundary lines of the Hall & Jones Survey, Abstract No. 121, same being the Northerly, Southerly, Easterly, and Westerly boundary lines of West Galveston Bay and State Submerged Tract No.'s 47 and 56. Galveston County, Texas.



Figure 1: Galveston Bay shoreline within surveyed area.

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Galveston, SK No. 97
File Date 02/10/2025 by K. Schreiber

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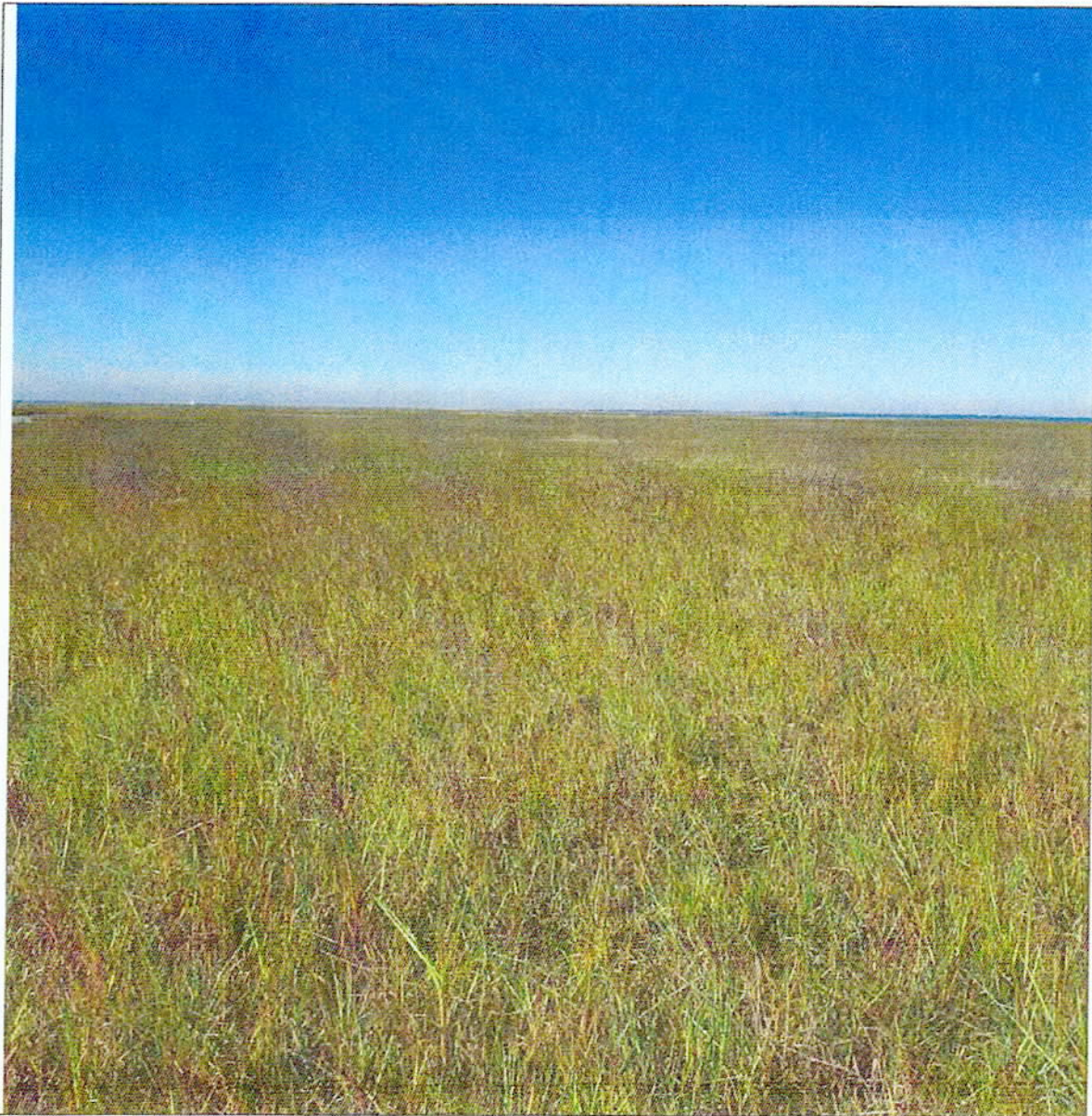


Figure 2: Galveston Bay shoreline within surveyed area.

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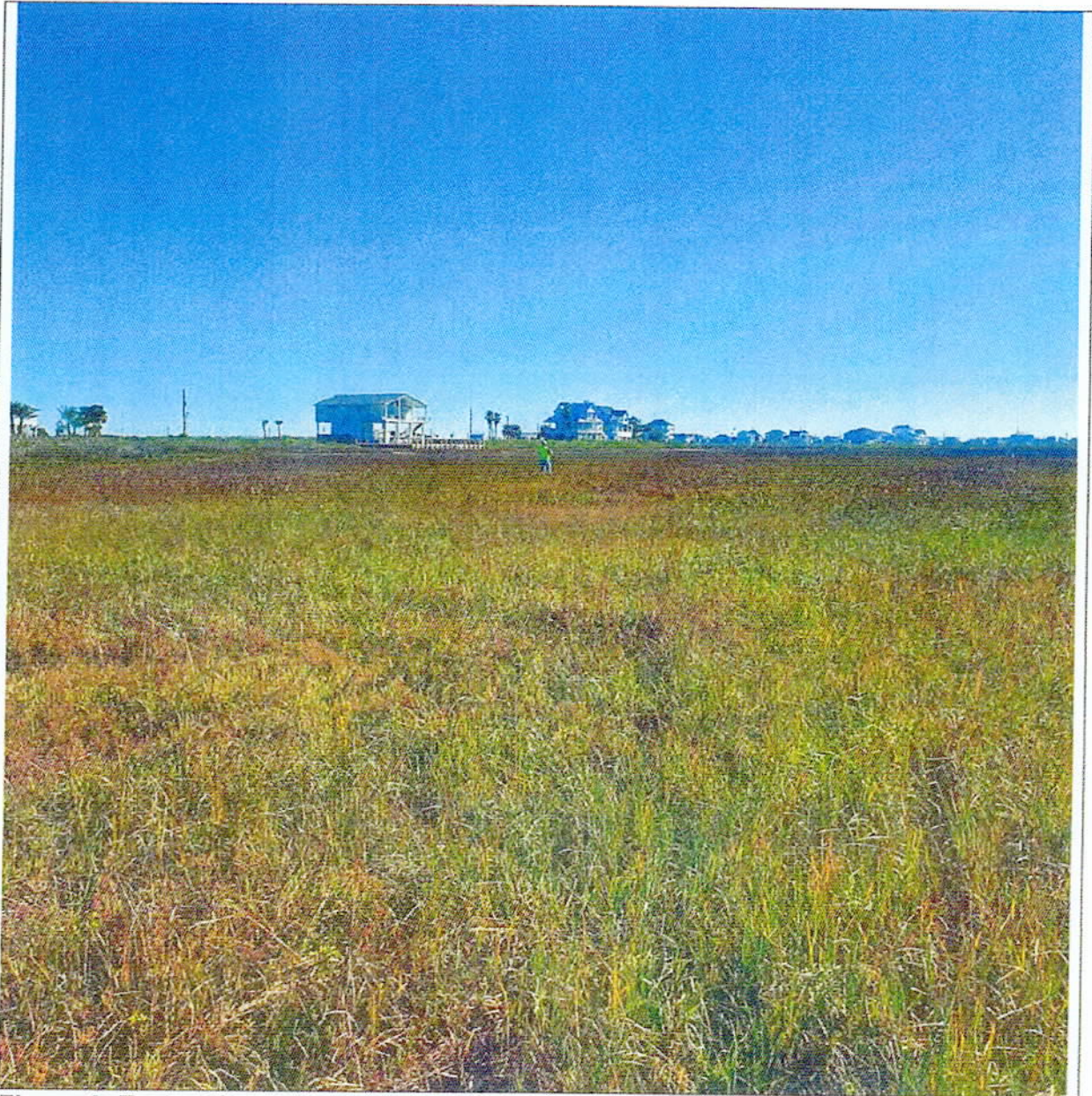


Figure 3: Typical Galveston Bay shoreline within surveyed area.

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Figure 4: Typical Galveston Bay shoreline within surveyed area.

All survey work was performed using survey grade RTK GPS base and rover: Trimble R8/R10 Receivers. The survey was conducted January 10, 2023. NGS benchmarks used as primary control for the survey.

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Datum is NAD 83 (2011), South Central Zone, Texas Coordinate System (US Feet).
Orthometric heights referenced to NAVD88 datum (Geoid 18).



Figure 5: NGS Monument "HGCS D 62" PID: AW5708

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Figure 6: OPUS Monument "1972 K 2009"

SURVEY CONTROL:

Primary Control Point:

"HGCS D 62" PID: AW5708 (PUBLISHED)

Secondary Control Points:

"1972 K 2009" (OPUS)

	Northing	Easting	Elevation
NGS MONUMENTS			
"HGCS D 62" PID: AW5708 (PUBLISHED)	13,645,727.12'	3,264,124.40'	6.3'
OPUS MONUMENTS			
"1972 K 2009" (OPUS)	13,596,213.62'	3,205,083.27'	3.1'

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Aransas Pass, TX 78336
(361) 334-5719
FIRM #10194575



The Littoral Boundary is based on the Mean High Water (MHW) line contour. MHW elevation of 1.1' NAVD88 was derived using a temporary local tide gauge referenced to NOAA Tide Station Galveston Railroad Bridge TX [8771486], Galveston, Texas, and San Luis Pass TX [8771972], Galveston, Texas.

FIELD NOTES for the Littoral Boundary line along the Mean High Water (MHW) lines of West Galveston Bay, Being a portion of the Northerly, Southerly, Easterly, and Westerly boundary lines of the Hall & Jones Survey, Abstract No. 121, same being the Northerly, Southerly, Easterly, and Westerly boundary lines of West Galveston Bay and State Submerged Tract No.'s 47 and 56. Galveston County, Texas.

Thence along West Galveston Bay shoreline and said Mean High Water (MHW) line, the following 376 courses and distances:

Tract No. 1:

Beginning on Tract No. 1, having coordinates of (N: 13,630,603.2', E: 3,240,301.1, ELEV: 1.1' NAVD88) from which control point 1972 K 2009" (N: 13,596,213.62', E: 3,205,083.27', ELEV: 3.1') used for secondary control bears S 45°40'54" W, a distance of 49,223.38' (17,720.42 Varas);

- (L1) N68°13'59"E, a distance of 20.39' (7.34 Varas);
- (L2) N16°28'06"E, a distance of 30.05' (10.82 Varas);
- (L3) N34°59'58"W, a distance of 109.65' (39.47 Varas);
- (L4) N58°07'27"W, a distance of 51.70' (18.61 Varas);
- (L5) N76°40'43"W, a distance of 58.17' (20.94 Varas);
- (L6) N53°05'27"W, a distance of 80.43' (28.95 Varas);
- (L7) N80°33'07"W, a distance of 17.53' (6.31 Varas);
- (L8) S76°48'10"W, a distance of 24.38' (8.78 Varas);
- (L9) N53°50'41"W, a distance of 43.07' (15.51 Varas);
- (L10) N72°10'20"W, a distance of 28.67' (10.32 Varas);
- (L11) N46°50'38"W, a distance of 69.18' (24.90 Varas);
- (L12) N59°09'39"W, a distance of 98.27' (35.38 Varas);
- (L13) N36°52'37"W, a distance of 56.76' (20.43 Varas);
- (L14) N47°41'29"W, a distance of 103.38' (37.22 Varas);
- (L15) N60°08'21"W, a distance of 146.75' (52.83 Varas);
- (L16) N48°04'50"W, a distance of 101.77' (36.64 Varas);
- (L17) N71°53'23"W, a distance of 19.47' (7.01 Varas);
- (L18) S82°59'11"W, a distance of 20.08' (7.23 Varas);
- (L19) N53°37'53"W, a distance of 16.65' (5.99 Varas);
- (L20) N19°23'41"W, a distance of 38.29' (13.78 Varas);

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- (L21) N36°23'17"W, a distance of 273.59' (98.49 Varas);
- (L22) N52°52'05"W, a distance of 37.61' (13.54 Varas);
- (L23) N07°03'21"E, a distance of 38.41' (13.83 Varas);
- (L24) N27°06'26"W, a distance of 75.30' (27.11 Varas);
- (L25) N40°14'02"W, a distance of 47.05' (16.94 Varas);
- (L26) N05°22'10"E, a distance of 42.67' (15.36 Varas);
- (L27) N18°09'48"W, a distance of 76.03' (27.37 Varas);
- (L28) N38°09'31"W, a distance of 28.62' (10.30 Varas);
- (L29) N20°11'19"W, a distance of 47.20' (16.99 Varas);
- (L30) S60°14'45"E, a distance of 18.47' (6.65 Varas);
- (L31) N84°41'07"E, a distance of 43.55' (15.68 Varas);
- (L32) S64°41'57"E, a distance of 88.14' (31.73 Varas);
- (L33) S05°34'38"E, a distance of 21.97' (7.91 Varas);
- (L34) S48°25'47"E, a distance of 60.15' (21.65 Varas);
- (L35) S72°01'09"E, a distance of 88.41' (31.83 Varas);
- (L36) S85°06'50"E, a distance of 56.53' (20.35 Varas);
- (L37) N78°16'32"E, a distance of 49.92' (17.97 Varas);
- (L38) N55°47'38"E, a distance of 26.26' (9.45 Varas);
- (L39) S85°30'34"E, a distance of 12.53' (4.51 Varas);
- (L40) S33°10'30"E, a distance of 95.23' (34.28 Varas);
- (L41) S26°20'43"E, a distance of 129.52' (46.63 Varas);
- (L42) S42°07'41"E, a distance of 9.58' (3.45 Varas);
- (L43) S67°23'43"E, a distance of 83.55' (30.08 Varas);
- (L44) S51°59'09"E, a distance of 12.93' (4.65 Varas);
- (L45) S35°16'05"E, a distance of 112.75' (40.59 Varas);
- (L46) S74°38'08"E, a distance of 60.39' (21.74 Varas);
- (L47) S53°37'48"E, a distance of 27.65' (9.95 Varas);
- (L48) S88°49'15"E, a distance of 48.64' (17.51 Varas);
- (L49) S28°15'21"E, a distance of 29.61' (10.66 Varas);
- (L50) S84°50'37"E, a distance of 14.68' (5.28 Varas);
- (L51) N22°44'39"E, a distance of 54.32' (19.56 Varas);
- (L52) S83°36'40"E, a distance of 33.70' (12.13 Varas);
- (L53) N72°39'14"E, a distance of 53.83' (19.38 Varas);
- (L54) N86°11'04"E, a distance of 22.33' (8.04 Varas);
- (L55) S68°30'46"E, a distance of 19.55' (7.04 Varas);
- (L56) S28°50'04"E, a distance of 21.74' (7.83 Varas);
- (L57) S61°35'17"E, a distance of 15.82' (5.70 Varas);
- (L58) N84°44'55"E, a distance of 42.89' (15.44 Varas);
- (L59) S62°49'09"E, a distance of 132.27' (47.62 Varas);
- (L60) S67°06'27"E, a distance of 36.32' (13.08 Varas);
- (L61) S56°34'55"E, a distance of 85.67' (30.84 Varas);
- (L62) S65°56'27"E, a distance of 38.30' (13.79 Varas);
- (L63) S57°00'59"E, a distance of 44.29' (15.94 Varas);

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- (L64) S43°58'21"E, a distance of 113.33' (40.80 Varas);
- (L65) S67°08'08"E, a distance of 82.86' (29.83 Varas);
- (L66) S44°03'36"E, a distance of 79.10' (28.48 Varas);
- (L67) S64°28'39"E, a distance of 54.46' (19.61 Varas);
- (L68) S49°50'39"E, a distance of 68.16' (24.54 Varas);
- (L69) S36°29'40"E, a distance of 78.06' (28.10 Varas);
- (L70) S72°07'41"E, a distance of 73.27' (26.38 Varas);
- (L71) N77°56'21"E, a distance of 31.15' (11.21 Varas);
- (L72) N42°35'54"E, a distance of 35.07' (12.63 Varas);
- (L73) N84°50'46"E, a distance of 22.18' (7.98 Varas);
- (L74) S17°51'56"W, a distance of 27.83' (10.02 Varas);
- (L75) S08°27'11"E, a distance of 28.23' (10.16 Varas);
- (L76) S23°15'39"E, a distance of 17.54' (6.31 Varas);
- (L77) S46°05'41"E, a distance of 21.43' (7.71 Varas);
- (L78) S60°51'30"E, a distance of 34.66' (12.48 Varas);
- (L79) S39°05'49"E, a distance of 33.68' (12.12 Varas);
- (L80) S13°45'36"E, a distance of 24.30' (8.75 Varas);
- (L81) S20°13'33"W, a distance of 26.72' (9.62 Varas);
- (L82) S48°27'25"W, a distance of 38.76' (13.95 Varas);
- (L83) S42°00'06"W, a distance of 49.62' (17.86 Varas);
- (L84) S52°37'36"W, a distance of 70.42' (25.35 Varas);
- (L85) S24°41'59"W, a distance of 68.68' (24.72 Varas);
- (L86) N82°57'08"W, a distance of 5.15' (1.85 Varas);
- (L87) N14°49'30"W, a distance of 26.11' (9.40 Varas);
- (L88) N08°40'51"E, a distance of 74.07' (26.67 Varas);
- (L89) N63°19'34"W, a distance of 78.23' (28.16 Varas);
- (L90) N56°54'00"W, a distance of 64.76' (23.31 Varas);
- (L91) N62°12'08"W, a distance of 53.09' (19.11 Varas);
- (L92) N85°32'39"W, a distance of 31.91' (11.49 Varas);
- (L93) S72°08'18"W, a distance of 27.22' (9.80 Varas);
- (L94) N06°57'46"W, a distance of 21.03' (7.57 Varas);
- (L95) S24°50'40"W, a distance of 38.14' (13.73 Varas);
- (L96) S17°00'24"W, a distance of 27.99' (10.08 Varas);
- (L97) S35°24'30"E, a distance of 59.13' (21.29 Varas);
- (L98) S30°44'37"E, a distance of 66.47' (23.93 Varas);
- (L99) S35°16'36"E, a distance of 127.55' (45.92 Varas);
- (L100) S23°41'28"E, a distance of 98.48' (35.45 Varas);
- (L101) S38°25'59"E, a distance of 97.24' (35.01 Varas);
- (L102) S48°24'59"E, a distance of 106.55' (38.36 Varas);
- (L103) S47°02'12"E, a distance of 75.34' (27.12 Varas);
- (L104) S44°34'31"E, a distance of 110.39' (39.74 Varas);
- (L105) S39°27'14"E, a distance of 74.22' (26.72 Varas);
- (L106) S73°16'33"E, a distance of 63.05' (22.70 Varas);

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- (L107) S80°12'43"E, a distance of 55.92' (20.13 Varas);
- (L108) N78°44'40"E, a distance of 19.16' (6.90 Varas);
- (L109) N82°58'38"E, a distance of 24.74' (8.91 Varas);
- (L110) S58°33'49"E, a distance of 31.94' (11.50 Varas);
- (L111) S53°30'55"E, a distance of 13.33' (4.80 Varas);
- (L112) N38°29'51"W, a distance of 25.63' (9.23 Varas);
- (L113) N47°58'55"W, a distance of 34.80' (12.53 Varas);
- (L114) N30°22'26"W, a distance of 111.05' (39.98 Varas);
- (L115) N26°07'00"W, a distance of 81.09' (29.19 Varas);
- (L116) N31°08'49"W, a distance of 108.17' (38.94 Varas);
- (L117) N24°42'09"W, a distance of 82.61' (29.74 Varas);
- (L118) N61°47'34"W, a distance of 38.79' (13.96 Varas);
- (L119) N38°16'38"W, a distance of 37.75' (13.59 Varas);
- (L120) N25°12'40"W, a distance of 64.27' (23.14 Varas);
- (L121) N34°39'00"W, a distance of 62.28' (22.42 Varas);
- (L122) N81°42'49"W, a distance of 40.29' (14.50 Varas);
- (L123) N41°41'27"W, a distance of 19.02' (6.85 Varas);
- (L124) N35°56'53"E, a distance of 41.38' (14.90 Varas);
- (L125) N44°30'24"E, a distance of 77.29' (27.82 Varas);
- (L126) N51°02'14"E, a distance of 40.59' (14.61 Varas);
- (L127) N32°42'45"E, a distance of 26.43' (9.51 Varas);
- (L128) N14°08'13"E, a distance of 32.16' (11.58 Varas);
- (L129) N13°21'51"W, a distance of 22.25' (8.01 Varas);
- (L130) N30°45'40"W, a distance of 48.00' (17.28 Varas);
- (L131) N55°24'18"W, a distance of 39.97' (14.39 Varas);
- (L132) N34°06'41"W, a distance of 13.59' (4.89 Varas);
- (L133) N44°07'34"E, a distance of 17.70' (6.37 Varas);
- (L134) S51°42'58"E, a distance of 59.48' (21.41 Varas);
- (L135) S50°21'44"E, a distance of 32.24' (11.61 Varas);
- (L136) S22°46'45"E, a distance of 23.31' (8.39 Varas);
- (L137) N82°27'29"E, a distance of 31.29' (11.26 Varas);
- (L138) S36°59'50"E, a distance of 12.60' (4.54 Varas);
- (L139) N86°18'16"E, a distance of 17.19' (6.19 Varas);
- (L140) N47°15'27"E, a distance of 15.21' (5.48 Varas);
- (L141) N87°56'32"E, a distance of 47.54' (17.11 Varas);
- (L142) S81°56'15"E, a distance of 24.69' (8.89 Varas);
- (L143) N35°41'01"E, a distance of 15.83' (5.70 Varas);
- (L144) N55°20'28"W, a distance of 23.54' (8.47 Varas);
- (L145) N45°53'44"E, a distance of 20.81' (7.49 Varas);
- (L146) S68°01'50"E, a distance of 15.64' (5.63 Varas);
- (L147) N81°21'19"E, a distance of 47.35' (17.05 Varas);
- (L148) S52°28'54"E, a distance of 36.10' (13.00 Varas);
- (L149) S45°16'55"W, a distance of 32.91' (11.85 Varas);

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- (L150) N63°03'18"E, a distance of 32.51' (11.70 Varas);
- (L151) S38°39'04"E, a distance of 23.45' (8.44 Varas);
- (L152) S79°02'21"E, a distance of 36.08' (12.99 Varas);
- (L153) S42°11'41"E, a distance of 35.96' (12.95 Varas);
- (L154) S68°41'21"W, a distance of 31.25' (11.25 Varas);
- (L155) S56°01'07"W, a distance of 18.17' (6.54 Varas);
- (L156) S40°02'39"E, a distance of 9.04' (3.25 Varas);
- (L157) N72°02'50"E, a distance of 52.11' (18.76 Varas);
- (L158) S37°54'13"E, a distance of 74.72' (26.90 Varas);
- (L159) N59°34'58"E, a distance of 15.68' (5.64 Varas);
- (L160) N13°57'09"W, a distance of 46.62' (16.78 Varas);
- (L161) N21°16'07"W, a distance of 191.42' (68.91 Varas);
- (L162) N6°34'00"W, a distance of 129.75' (46.71 Varas);
- (L163) N29°54'06"E, a distance of 11.77' (4.24 Varas);
- (L164) N19°39'11"W, a distance of 60.72' (21.86 Varas);
- (L165) N37°32'10"E, a distance of 24.08' (8.67 Varas);
- (L166) N23°04'08"W, a distance of 51.28' (18.46 Varas);
- (L167) N37°47'23"W, a distance of 151.08' (54.39 Varas);
- (L168) N79°24'47"W, a distance of 68.84' (24.78 Varas);
- (L169) N46°05'05"W, a distance of 50.50' (18.18 Varas);
- (L170) N54°35'56"W, a distance of 76.24' (27.45 Varas);
- (L171) N31°41'23"W, a distance of 52.90' (19.04 Varas);
- (L172) N52°36'17"W, a distance of 66.80' (24.05 Varas);
- (L173) N43°58'50"W, a distance of 75.62' (27.22 Varas);
- (L174) N52°56'27"W, a distance of 57.94' (20.86 Varas);
- (L175) N18°52'21"W, a distance of 43.36' (15.61 Varas);
- (L176) N04°28'13"W, a distance of 34.47' (12.41 Varas);
- (L177) S51°08'10"W, a distance of 51.00' (18.36 Varas);
- (L178) S88°37'06"W, a distance of 35.17' (12.66 Varas);
- (L179) N60°43'39"W, a distance of 67.51' (24.30 Varas);
- (L180) S88°29'35"W, a distance of 30.65' (11.03 Varas);
- (L181) S33°43'21"W, a distance of 12.26' (4.41 Varas);
- (L182) N12°34'59"W, a distance of 11.26' (4.05 Varas);
- (L183) N33°54'02"W, a distance of 23.86' (8.59 Varas);
- (L184) N49°42'21"W, a distance of 77.77' (28.00 Varas);
- (L185) N10°51'59"E, a distance of 39.44' (14.20 Varas);
- (L186) N67°18'36"E, a distance of 57.44' (20.68 Varas);
- (L187) S89°02'32"E, a distance of 25.16' (9.06 Varas);
- (L188) S69°41'29"E, a distance of 72.77' (26.20 Varas);
- (L189) S53°32'55"E, a distance of 41.37' (14.89 Varas);
- (L190) S72°09'02"E, a distance of 32.49' (11.70 Varas);
- (L191) S11°58'43"E, a distance of 54.86' (19.75 Varas);
- (L192) S72°41'50"E, a distance of 35.30' (12.71 Varas);

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A CENTURY OF SOLUTIONS

- (L193) N23°21'41"E, a distance of 23.06' (8.30 Varas);
- (L194) N46°46'44"E, a distance of 31.89' (11.48 Varas);
- (L195) N60°46'59"E, a distance of 54.01' (19.44 Varas);
- (L196) N42°21'16"E, a distance of 46.04' (16.57 Varas);
- (L197) N68°42'38"E, a distance of 47.49' (17.10 Varas);
- (L198) N37°04'07"E, a distance of 43.32' (15.60 Varas);
- (L199) N39°09'14"W, a distance of 39.72' (14.30 Varas);
- (L200) S87°21'58"W, a distance of 33.49' (12.06 Varas);
- (L201) N36°21'59"W, a distance of 67.88' (24.44 Varas);
- (L202) N35°54'17"W, a distance of 71.27' (25.66 Varas);
- (L203) N13°08'07"W, a distance of 50.79' (18.28 Varas);
- (L204) N12°01'31"E, a distance of 49.85' (17.95 Varas);
- (L205) N85°42'16"E, a distance of 37.62' (13.54 Varas);
- (L206) N40°50'44"E, a distance of 31.56' (11.36 Varas);
- (L207) S85°53'41"E, a distance of 41.72' (15.02 Varas);
- (L208) N81°00'21"E, a distance of 54.42' (19.59 Varas);
- (L209) S62°16'08"E, a distance of 68.22' (24.56 Varas);
- (L210) S79°12'57"E, a distance of 93.57' (33.69 Varas);
- (L211) S72°59'47"E, a distance of 61.02' (21.97 Varas);
- (L212) S65°09'27"E, a distance of 78.27' (28.18 Varas);
- (L213) S57°53'37"E, a distance of 46.69' (16.81 Varas);
- (L214) S49°23'14"E, a distance of 122.92' (44.25 Varas);
- (L215) S19°35'33"W, a distance of 25.26' (9.09 Varas);
- (L216) S29°48'04"E, a distance of 155.44' (55.96 Varas);
- (L217) S10°51'41"E, a distance of 28.26' (10.17 Varas);
- (L218) S35°17'52"E, a distance of 194.05' (69.86 Varas);
- (L219) S30°07'55"E, a distance of 58.73' (21.14 Varas);
- (L220) S22°46'31"E, a distance of 65.00' (23.40 Varas);
- (L221) S32°05'54"E, a distance of 101.58' (36.57 Varas);
- (L222) S34°52'29"E, a distance of 86.71' (31.22 Varas);
- (L223) S38°39'01"E, a distance of 102.12' (36.76 Varas);
- (L224) S43°39'45"E, a distance of 80.83' (29.10 Varas);
- (L225) S48°41'01"E, a distance of 98.69' (35.53 Varas);
- (L226) S60°36'03"E, a distance of 94.26' (33.93 Varas);
- (L227) S77°47'37"E, a distance of 39.02' (14.05 Varas);
- (L228) N35°43'26"E, a distance of 22.82' (8.22 Varas);
- (L229) N79°07'56"E, a distance of 25.60' (9.22 Varas);
- (L230) N28°29'32"W, a distance of 17.62' (6.34 Varas);
- (L231) N43°19'15"W, a distance of 20.42' (7.35 Varas);
- (L232) N07°17'55"W, a distance of 22.91' (8.25 Varas);
- (L233) S77°02'11"W, a distance of 46.14' (16.61 Varas);
- (L234) N30°20'12"E, a distance of 64.89' (23.36 Varas);
- (L235) N19°53'43"W, a distance of 75.18' (27.06 Varas);

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- (L236) N02°41'02"W, a distance of 27.57' (9.93 Varas);
- (L237) N42°45'46"W, a distance of 57.63' (20.75 Varas);
- (L238) N21°11'46"E, a distance of 55.58' (20.01 Varas);
- (L239) N03°58'06"W, a distance of 79.59' (28.65 Varas);
- (L240) N09°55'03"W, a distance of 100.79' (36.28 Varas);
- (L241) N51°21'41"E, a distance of 43.55' (15.68 Varas);
- (L242) S56°26'37"E, a distance of 35.89' (12.92 Varas);
- (L243) S68°39'24"E, a distance of 29.54' (10.63 Varas);
- (L244) N82°16'32"E, a distance of 47.94' (17.26 Varas);
- (L245) N73°50'06"E, a distance of 18.43' (6.63 Varas);
- (L246) S73°08'16"E, a distance of 29.72' (10.70 Varas);
- (L247) N42°32'12"E, a distance of 5.12' (1.84 Varas);
- (L248) N01°05'53"W, a distance of 37.52' (13.51 Varas);
- (L249) N31°34'51"W, a distance of 16.96' (6.11 Varas);
- (L250) S53°22'40"W, a distance of 34.00' (12.24 Varas);
- (L251) N12°14'26"W, a distance of 24.75' (8.91 Varas);
- (L252) N82°00'41"W, a distance of 23.24' (8.37 Varas);
- (L253) N37°58'40"W, a distance of 21.06' (7.58 Varas);
- (L254) N20°28'50"E, a distance of 31.98' (11.51 Varas);
- (L255) N37°38'16"E, a distance of 23.07' (8.31 Varas);
- (L256) N11°44'09"E, a distance of 70.73' (25.46 Varas);
- (L257) N3°07'55"W, a distance of 55.93' (20.13 Varas);
- (L258) S46°02'02"W, a distance of 7.99' (2.88 Varas);
- (L259) N65°48'11"W, a distance of 22.37' (8.05 Varas);
- (L260) N15°04'08"W, a distance of 14.24' (5.13 Varas);
- (L261) N48°17'09"W, a distance of 23.49' (8.46 Varas);
- (L262) S03°52'09"W, a distance of 15.95' (5.74 Varas);
- (L263) N64°08'40"W, a distance of 9.36' (3.37 Varas);
- (L264) N00°46'14"E, a distance of 9.59' (3.45 Varas);
- (L265) N64°43'32"W, a distance of 32.23' (11.60 Varas);
- (L266) S41°17'13"W, a distance of 12.47' (4.49 Varas);
- (L267) N66°01'30"W, a distance of 3.74' (1.35 Varas);
- (L268) N25°03'48"E, a distance of 11.19' (4.03 Varas);
- (L269) N16°40'02"W, a distance of 18.84' (6.78 Varas);
- (L270) N55°23'25"W, a distance of 37.98' (13.67 Varas);
- (L271) N25°45'39"W, a distance of 75.57' (27.21 Varas);
- (L272) N55°57'27"W, a distance of 24.97' (8.99 Varas);
- (L273) N15°24'28"E, a distance of 23.20' (8.35 Varas);
- (L274) N25°18'08"W, a distance of 65.99' (23.76 Varas);
- (L275) N52°58'12"W, a distance of 63.56' (22.88 Varas);
- (L276) N33°42'46"W, a distance of 11.23' (4.04 Varas);
- (L277) N84°07'53"W, a distance of 26.70' (9.61 Varas);
- (L278) N58°08'47"W, a distance of 16.60' (5.98 Varas);

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- (L279) N34°03'51"E, a distance of 6.63' (2.39 Varas);
- (L280) N38°44'18"W, a distance of 3.99' (1.44 Varas);
- (L281) S66°10'01"W, a distance of 17.42' (6.27 Varas);
- (L282) N22°12'27"W, a distance of 28.96' (10.43 Varas);
- (L283) N49°52'53"E, a distance of 19.10' (6.88 Varas);
- (L284) N49°33'55"W, a distance of 17.38' (6.26 Varas);
- (L285) S75°34'31"W, a distance of 12.48' (4.49 Varas);
- (L286) N25°42'48"W, a distance of 19.26' (6.93 Varas);
- (L287) N44°14'57"W, a distance of 41.98' (15.11 Varas);
- (L288) N56°12'15"W, a distance of 32.16' (11.58 Varas);
- (L289) N83°14'20"W, a distance of 31.00' (11.16 Varas);
- (L290) N63°22'38"W, a distance of 14.66' (5.28 Varas);
- (L291) N42°47'53"W, a distance of 51.05' (18.38 Varas);
- (L292) N66°36'28"W, a distance of 30.05' (10.82 Varas);
- (L293) N28°05'26"W, a distance of 39.38' (14.18 Varas);
- (L294) N51°42'55"W, a distance of 67.97' (24.47 Varas);
- (L295) N67°56'25"W, a distance of 29.64' (10.67 Varas);
- (L296) N84°53'30"W, a distance of 70.02' (25.21 Varas);
- (L297) N21°27'39"W, a distance of 37.96' (13.67 Varas);
- (L298) N33°26'39"W, a distance of 55.05' (19.82 Varas);
- (L299) N56°16'27"W, a distance of 69.75' (25.11 Varas);
- (L300) N49°02'01"W, a distance of 57.61' (20.74 Varas);
- (L301) N60°25'53"W, a distance of 30.74' (11.07 Varas);
- (L302) N73°59'05"W, a distance of 62.55' (22.52 Varas);
- (L303) N57°53'27"W, a distance of 44.63' (16.07 Varas);
- (L304) N81°00'33"W, a distance of 29.25' (10.53 Varas);
- (L305) N26°37'11"W, a distance of 16.40' (5.90 Varas);
- (L306) N41°25'46"W, a distance of 48.54' (17.47 Varas);
- (L307) N53°15'09"W, a distance of 70.97' (25.55 Varas);
- (L308) N67°19'06"W, a distance of 29.73' (10.70 Varas);
- (L309) N68°50'10"W, a distance of 52.66' (18.96 Varas);
- (L310) N40°22'24"W, a distance of 15.12' (5.44 Varas);
- (L311) N08°51'03"W, a distance of 30.01' (10.80 Varas);
- (L312) N43°38'12"E, a distance of 28.97' (10.43 Varas);
- (L313) N71°26'53"E, a distance of 22.60' (8.14 Varas);
- (L314) N85°59'09"E, a distance of 67.00' (24.12 Varas);
- (L315) S65°07'55"E, a distance of 98.29' (35.38 Varas);
- (L316) S54°05'31"E, a distance of 26.97' (9.71 Varas);
- (L317) S71°54'19"E, a distance of 28.66' (10.32 Varas);
- (L318) N36°59'19"E, a distance of 22.12' (7.96 Varas);
- (L319) S39°36'14"E, a distance of 48.72' (17.54 Varas);
- (L320) S56°37'14"E, a distance of 36.94' (13.30 Varas);
- (L321) N74°12'59"E, a distance of 101.80' (36.65 Varas);

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- (L322) N82°18'56"E, a distance of 74.71' (26.90 Varas);
- (L323) N77°34'22"E, a distance of 64.59' (23.25 Varas);
- (L324) N89°54'26"E, a distance of 92.59' (33.33 Varas);
- (L325) S70°39'33"E, a distance of 29.74' (10.71 Varas);
- (L326) N62°36'38"E, a distance of 39.84' (14.34 Varas);
- (L327) S67°45'19"E, a distance of 22.32' (8.04 Varas);
- (L328) N64°56'19"E, a distance of 81.73' (29.42 Varas);
- (L329) N89°57'58"E, a distance of 33.77' (12.16 Varas);
- (L330) S08°09'58"W, a distance of 7.22' (2.60 Varas);
- (L331) S45°59'16"W, a distance of 14.77' (5.32 Varas);
- (L332) S63°42'29"W, a distance of 19.51' (7.02 Varas);
- (L333) N73°39'47"W, a distance of 19.94' (7.18 Varas);
- (L334) S30°04'38"W, a distance of 22.89' (8.24 Varas);
- (L335) S76°44'20"E, a distance of 22.93' (8.25 Varas);
- (L336) S03°18'16"W, a distance of 8.93' (3.21 Varas);
- (L337) N77°15'15"E, a distance of 68.80' (24.77 Varas);
- (L338) N34°09'05"E, a distance of 31.21' (11.24 Varas);
- (L339) S81°24'18"E, a distance of 18.80' (6.77 Varas);
- (L340) N67°00'57"E, a distance of 26.79' (9.64 Varas);
- (L341) N83°26'56"E, a distance of 25.51' (9.18 Varas);
- (L342) S81°07'58"E, a distance of 40.42' (14.55 Varas);
- (L343) S73°11'04"E, a distance of 112.17' (40.38 Varas);
- (L344) S83°31'47"E, a distance of 55.55' (20.00 Varas);
- (L345) S67°41'46"E, a distance of 30.75' (11.07 Varas);
- (L346) N79°43'30"E, a distance of 30.40' (10.94 Varas);
- (L347) S76°46'33"E, a distance of 53.95' (19.42 Varas);
- (L348) S68°33'17"E, a distance of 94.45' (34.00 Varas);
- (L349) S81°56'34"E, a distance of 39.13' (14.09 Varas);
- (L350) S68°31'02"E, a distance of 65.36' (23.53 Varas);
- (L351) N87°40'33"E, a distance of 106.11' (38.20 Varas);
- (L352) S77°42'44"E, a distance of 31.98' (11.51 Varas);
- (L353) S67°51'42"E, a distance of 130.43' (46.95 Varas);
- (L354) S36°09'49"E, a distance of 55.15' (19.85 Varas);
- (L355) S12°27'16"E, a distance of 16.82' (6.06 Varas);
- (L356) S56°17'45"E, a distance of 4.51' (1.62 Varas);
- (L357) N07°15'47"W, a distance of 20.73' (7.46 Varas);
- (L358) N12°19'51"E, a distance of 16.69' (6.01 Varas);
- (L359) S70°52'04"E, a distance of 56.50' (20.34 Varas);
- (L360) N72°11'04"E, a distance of 14.71' (5.30 Varas);
- (L361) N34°32'55"E, a distance of 20.14' (7.25 Varas);
- (L362) N84°50'37"E, a distance of 5.05' (1.82 Varas);
- (L363) S40°32'17"E, a distance of 17.12' (6.16 Varas);
- (L364) N49°41'44"E, a distance of 67.39' (24.26 Varas);

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- (L365) S69°08'18"E, a distance of 35.58' (12.81 Varas);
- (L366) N88°21'36"E, a distance of 9.40' (3.38 Varas);
- (L367) N53°40'25"W, a distance of 25.24' (9.09 Varas);
- (L368) N35°50'44"E, a distance of 12.92' (4.65 Varas);
- (L369) S61°43'06"E, a distance of 54.37' (19.57 Varas);
- (L370) N83°06'22"E, a distance of 34.48' (12.41 Varas);
- (L371) S18°36'42"E, a distance of 21.21' (7.64 Varas);
- (L372) S43°44'55"E, a distance of 19.13' (6.89 Varas);
- (L373) S81°42'02"E, a distance of 8.51' (3.06 Varas);
- (L374) N60°48'31"E, a distance of 26.43' (9.51 Varas);
- (L375) N08°09'30"W, a distance of 10.62' (3.82 Varas);

(L376) S75°21'12"E, a distance of 7.76' (2.79 Varas) to the **Point of Termination** having coordinates of (N: 13,632,501.8', E: 3,243,227.9, ELEV: 1.1' NAVD88), from which NGS Monument "HGCS D 62" (N: 13,645,727.12', E: 3,264,124.40' Elev: 6.3') bears N 57°40'14" E, a distance of 24,730.01' (8,902.80 Varas);

Tract No. 2:

Beginning on Tract No. 2, having coordinates of (N: 13,632,792.9', E: 3,243,965.4', ELEV: 1.1' NAVD88) from which control point 1972 K 2009" (N: 13,596,213.62', E: 3,205,083.27', ELEV: 3.1') used for secondary control bears S 46°44'53" W, a distance of 53,384.10' (19,218.28 Varas);

- (L377) S40°35'21"W, a distance of 10.90' (3.92 Varas);
- (L378) N78°49'04"W, a distance of 217.86' (78.43 Varas);
- (L379) S81°38'06"W, a distance of 42.61' (15.34 Varas);
- (L380) N84°25'33"W, a distance of 123.68' (44.52 Varas);
- (L381) N71°42'10"W, a distance of 103.84' (37.38 Varas);
- (L382) N88°01'14"W, a distance of 46.01' (16.56 Varas);
- (L383) S75°49'04"W, a distance of 95.02' (34.21 Varas);
- (L384) N88°59'06"W, a distance of 85.49' (30.78 Varas);
- (L385) N81°18'25"W, a distance of 254.91' (91.77 Varas);
- (L386) N78°36'57"W, a distance of 238.50' (85.86 Varas);
- (L387) N67°56'52"W, a distance of 102.10' (36.76 Varas);
- (L388) N33°29'00"E, a distance of 44.67' (16.08 Varas);
- (L389) N76°15'12"E, a distance of 45.42' (16.35 Varas);
- (L390) S83°18'46"E, a distance of 93.41' (33.63 Varas);
- (L391) S79°44'08"E, a distance of 312.73' (112.58 Varas);
- (L392) S70°24'12"E, a distance of 103.53' (37.27 Varas);
- (L393) N87°34'18"E, a distance of 46.69' (16.81 Varas);
- (L394) N37°04'13"E, a distance of 85.30' (30.71 Varas);
- (L395) N71°04'47"E, a distance of 55.51' (19.98 Varas);

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- (L396) S89°56'47"E, a distance of 49.64' (17.87 Varas);
- (L397) N78°32'15"E, a distance of 107.93' (38.85 Varas);
- (L398) S77°59'10"E, a distance of 73.42' (26.43 Varas);
- (L399) N89°45'56"E, a distance of 123.53' (44.47 Varas);
- (L400) N63°57'47"E, a distance of 45.68' (16.44 Varas);
- (L401) N64°47'33"W, a distance of 113.39' (40.82 Varas);
- (L402) N54°10'04"W, a distance of 67.13' (24.17 Varas);
- (L403) N67°54'00"W, a distance of 162.23' (58.40 Varas);
- (L404) S84°52'30"W, a distance of 79.47' (28.61 Varas);
- (L405) N70°21'54"W, a distance of 104.55' (37.64 Varas);
- (L406) S89°30'09"W, a distance of 102.09' (36.75 Varas);
- (L407) N70°40'20"W, a distance of 202.30' (72.83 Varas);
- (L408) N64°02'44"W, a distance of 73.39' (26.42 Varas);
- (L409) N21°05'42"W, a distance of 58.76' (21.15 Varas);
- (L410) N83°41'56"W, a distance of 85.40' (30.74 Varas);
- (L411) N62°36'07"W, a distance of 40.37' (14.53 Varas);
- (L412) N10°06'17"W, a distance of 75.38' (27.14 Varas);
- (L413) N49°24'38"W, a distance of 71.14' (25.61 Varas);
- (L414) N07°34'53"W, a distance of 88.09' (31.71 Varas);
- (L415) N39°38'40"W, a distance of 129.71' (46.70 Varas);
- (L416) N06°44'49"E, a distance of 44.58' (16.05 Varas);
- (L417) N42°38'01"E, a distance of 35.77' (12.88 Varas);
- (L418) N80°15'51"E, a distance of 25.35' (9.13 Varas);
- (L419) S70°10'09"E, a distance of 98.31' (35.39 Varas);
- (L420) S51°55'11"E, a distance of 79.56' (28.64 Varas);
- (L421) S74°56'20"E, a distance of 78.35' (28.21 Varas);
- (L422) N52°16'16"E, a distance of 97.74' (35.19 Varas);
- (L423) S75°03'31"E, a distance of 85.06' (30.62 Varas);
- (L424) N24°30'38"E, a distance of 24.49' (8.82 Varas);
- (L425) N13°37'30"W, a distance of 57.27' (20.62 Varas);
- (L426) N84°44'51"E, a distance of 52.76' (18.99 Varas);
- (L427) S89°51'08"E, a distance of 58.16' (20.94 Varas);
- (L428) S77°56'13"E, a distance of 139.29' (50.14 Varas);
- (L429) S55°04'06"E, a distance of 152.48' (54.89 Varas);
- (L430) N47°59'11"E, a distance of 73.44' (26.44 Varas);
- (L431) N69°18'27"W, a distance of 66.76' (24.03 Varas);
- (L432) N50°49'02"W, a distance of 169.60' (61.06 Varas);
- (L433) N36°09'35"W, a distance of 154.76' (55.71 Varas);
- (L434) N54°16'32"W, a distance of 80.37' (28.93 Varas);
- (L435) N78°02'16"W, a distance of 150.56' (54.20 Varas);
- (L436) N79°40'47"W, a distance of 150.73' (54.26 Varas);
- (L437) N53°38'58"W, a distance of 167.85' (60.43 Varas);
- (L438) N37°09'47"W, a distance of 133.84' (48.18 Varas);

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- (L439) N47°28'08"W, a distance of 172.25' (62.01 Varas);
- (L440) N48°36'36"W, a distance of 81.23' (29.24 Varas);
- (L441) N36°21'07"W, a distance of 127.63' (45.95 Varas);
- (L442) N17°01'57"W, a distance of 135.97' (48.95 Varas);
- (L443) N51°22'55"E, a distance of 20.10' (7.24 Varas);
- (L444) S59°44'45"E, a distance of 79.68' (28.68 Varas);
- (L445) S37°16'04"E, a distance of 62.74' (22.59 Varas);
- (L446) S86°28'22"E, a distance of 15.63' (5.63 Varas);
- (L447) N10°09'21"E, a distance of 55.05' (19.82 Varas);
- (L448) S61°09'48"E, a distance of 108.81' (39.17 Varas);
- (L449) S78°31'21"E, a distance of 329.61' (118.66 Varas);
- (L450) S62°50'58"E, a distance of 38.01' (13.68 Varas);
- (L451) S82°32'36"E, a distance of 210.67' (75.84 Varas);
- (L452) N25°40'16"E, a distance of 83.01' (29.88 Varas);
- (L453) N33°30'01"W, a distance of 105.83' (38.10 Varas);
- (L454) N19°26'44"W, a distance of 31.50' (11.34 Varas);
- (L455) N05°15'41"W, a distance of 52.43' (18.87 Varas);
- (L456) N54°05'54"W, a distance of 27.79' (10.00 Varas);
- (L457) N35°24'16"W, a distance of 43.14' (15.53 Varas);
- (L458) N48°20'41"W, a distance of 255.28' (91.90 Varas);
- (L459) N61°41'50"W, a distance of 79.08' (28.47 Varas);
- (L460) N45°54'51"W, a distance of 103.77' (37.36 Varas);
- (L461) N60°24'54"W, a distance of 163.09' (58.71 Varas);
- (L462) N33°38'16"W, a distance of 98.99' (35.64 Varas);
- (L463) N77°16'59"W, a distance of 76.22' (27.44 Varas);
- (L464) N89°40'50"W, a distance of 87.39' (31.46 Varas);
- (L465) S75°23'12"W, a distance of 16.43' (5.91 Varas);
- (L466) S31°47'37"W, a distance of 97.54' (35.11 Varas);
- (L467) N78°46'32"W, a distance of 59.58' (21.45 Varas);
- (L468) N26°10'07"W, a distance of 79.05' (28.46 Varas);
- (L469) N62°26'01"E, a distance of 19.87' (7.15 Varas);
- (L470) S20°39'35"E, a distance of 68.32' (24.60 Varas);
- (L471) S85°11'42"E, a distance of 47.95' (17.26 Varas);
- (L472) N29°26'58"E, a distance of 84.43' (30.39 Varas);
- (L473) N28°47'57"W, a distance of 16.76' (6.03 Varas);
- (L474) N19°58'14"E, a distance of 17.33' (6.24 Varas);
- (L475) S86°28'54"E, a distance of 117.95' (42.46 Varas);
- (L476) N74°28'51"E, a distance of 33.83' (12.18 Varas);
- (L477) N02°20'01"E, a distance of 19.96' (7.19 Varas);
- (L478) N27°48'41"W, a distance of 65.76' (23.67 Varas);
- (L479) N39°03'14"E, a distance of 46.91' (16.89 Varas);
- (L480) S79°25'08"E, a distance of 46.57' (16.77 Varas);
- (L481) N49°58'28"E, a distance of 59.58' (21.45 Varas);

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- (L482) N83°58'15"E, a distance of 44.90' (16.16 Varas);
- (L483) S49°34'51"E, a distance of 67.84' (24.42 Varas);
- (L484) S35°03'51"E, a distance of 100.17' (36.06 Varas);
- (L485) S27°05'09"E, a distance of 137.94' (49.66 Varas);
- (L486) S52°15'58"E, a distance of 28.09' (10.11 Varas);
- (L487) N68°39'37"E, a distance of 40.80' (14.69 Varas);
- (L488) S60°25'05"E, a distance of 12.38' (4.46 Varas);
- (L489) S25°42'47"E, a distance of 46.86' (16.87 Varas);
- (L490) S57°37'36"E, a distance of 37.24' (13.41 Varas);
- (L491) N74°10'53"E, a distance of 30.87' (11.11 Varas);
- (L492) N04°15'33"W, a distance of 36.31' (13.07 Varas);
- (L493) N29°46'07"E, a distance of 25.64' (9.23 Varas);
- (L494) N36°18'43"W, a distance of 30.11' (10.84 Varas);
- (L495) N15°10'52"W, a distance of 111.98' (40.31 Varas);
- (L496) N27°49'58"E, a distance of 20.75' (7.47 Varas);
- (L497) N11°02'32"W, a distance of 74.17' (26.70 Varas);
- (L498) N83°50'38"W, a distance of 7.73' (2.78 Varas);
- (L499) N39°05'12"W, a distance of 20.04' (7.21 Varas);
- (L500) N13°48'32"E, a distance of 32.01' (11.52 Varas);
- (L501) N11°24'16"W, a distance of 34.20' (12.31 Varas);
- (L502) N35°36'15"W, a distance of 24.70' (8.89 Varas);
- (L503) N03°36'45"E, a distance of 106.73' (38.42 Varas);
- (L504) N32°25'47"E, a distance of 53.35' (19.21 Varas);
- (L505) N53°56'49"E, a distance of 68.56' (24.68 Varas);
- (L506) S52°27'55"E, a distance of 104.13' (37.49 Varas);
- (L507) S68°22'34"E, a distance of 253.56' (91.28 Varas);
- (L508) S43°29'43"E, a distance of 66.99' (24.12 Varas);
- (L509) S56°12'10"E, a distance of 55.29' (19.90 Varas);
- (L510) S06°07'40"W, a distance of 20.03' (7.21 Varas);
- (L511) S46°42'02"E, a distance of 49.73' (17.90 Varas);
- (L512) S85°56'56"E, a distance of 27.29' (9.82 Varas);
- (L513) S08°31'52"E, a distance of 22.18' (7.98 Varas);
- (L514) S65°19'18"E, a distance of 41.28' (14.86 Varas);
- (L515) S10°35'24"W, a distance of 25.16' (9.06 Varas);
- (L516) S20°00'13"E, a distance of 37.11' (13.36 Varas);
- (L517) S64°20'07"E, a distance of 35.15' (12.65 Varas);
- (L518) N72°33'50"E, a distance of 38.51' (13.86 Varas);
- (L519) S55°50'38"E, a distance of 27.67' (9.96 Varas);
- (L520) S30°35'38"E, a distance of 41.59' (14.97 Varas);
- (L521) N36°14'43"E, a distance of 33.81' (12.17 Varas);
- (L522) N17°11'44"E, a distance of 35.81' (12.89 Varas);
- (L523) N70°28'38"E, a distance of 32.80' (11.81 Varas);
- (L524) N81°18'46"E, a distance of 32.99' (11.88 Varas);

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A CENTURY OF SOLUTIONS

- (L525) S44°25'42"E, a distance of 66.69' (24.01 Varas);
- (L526) S40°22'19"E, a distance of 96.44' (34.72 Varas);
- (L527) N89°46'12"E, a distance of 24.91' (8.97 Varas);
- (L528) S59°20'39"E, a distance of 40.99' (14.76 Varas);
- (L529) S06°30'08"E, a distance of 19.92' (7.17 Varas);
- (L530) S56°34'29"E, a distance of 24.24' (8.73 Varas);
- (L531) N70°34'56"E, a distance of 21.74' (7.83 Varas);
- (L532) S44°33'47"E, a distance of 275.52' (99.19 Varas);
- (L533) S45°25'03"E, a distance of 42.97' (15.47 Varas);
- (L534) S26°12'55"E, a distance of 163.47' (58.85 Varas);
- (L535) S47°26'40"E, a distance of 174.40' (62.78 Varas);
- (L536) S60°06'54"E, a distance of 159.31' (57.35 Varas);
- (L537) S75°32'05"E, a distance of 90.67' (32.64 Varas);
- (L538) S22°24'28"E, a distance of 24.54' (8.83 Varas);
- (L539) N79°55'17"E, a distance of 45.16' (16.26 Varas);
- (L540) S74°21'46"E, a distance of 41.44' (14.92 Varas);
- (L541) S73°30'29"E, a distance of 9.92' (3.57 Varas);
- (L542) S56°24'02"E, a distance of 29.10' (10.48 Varas);
- (L543) S37°40'19"E, a distance of 32.61' (11.74 Varas);
- (L544) N72°30'50"E, a distance of 33.93' (12.21 Varas);
- (L545) S80°56'28"E, a distance of 68.96' (24.83 Varas);
- (L546) S72°51'47"E, a distance of 20.35' (7.33 Varas);
- (L547) S55°54'07"E, a distance of 44.30' (15.95 Varas);
- (L548) S55°30'13"E, a distance of 98.22' (35.36 Varas);
- (L549) S36°18'13"E, a distance of 114.03' (41.05 Varas);
- (L550) S19°31'42"E, a distance of 119.68' (43.08 Varas);
- (L551) S17°55'00"E, a distance of 16.14' (5.81 Varas);
- (L552) S45°12'35"W, a distance of 61.80' (22.25 Varas);
- (L553) S75°51'29"W, a distance of 81.57' (29.37 Varas);
- (L554) S63°20'02"W, a distance of 23.16' (8.34 Varas);
- (L555) S55°38'03"W, a distance of 24.64' (8.87 Varas);
- (L556) S35°23'38"W, a distance of 70.41' (25.35 Varas);
- (L557) N56°36'14"E, a distance of 27.63' (9.95 Varas);
- (L558) S48°54'42"E, a distance of 29.47' (10.61 Varas);
- (L559) N57°34'54"E, a distance of 13.85' (4.99 Varas);
- (L560) N73°09'00"E, a distance of 91.01' (32.76 Varas);
- (L561) N87°38'15"E, a distance of 64.09' (23.07 Varas);
- (L562) N87°38'15"E, a distance of 86.07' (30.99 Varas);
- (L563) S44°58'01"E, a distance of 15.19' (5.47 Varas);
- (L564) S10°22'18"E, a distance of 21.86' (7.87 Varas);
- (L565) S67°27'37"E, a distance of 64.01' (23.04 Varas);
- (L566) S54°10'32"E, a distance of 38.65' (13.91 Varas);
- (L567) S10°23'58"E, a distance of 28.45' (10.24 Varas);

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- (L568) S50°39'10"E, a distance of 39.79' (14.32 Varas);
- (L569) N69°57'23"E, a distance of 35.95' (12.94 Varas);
- (L570) S81°04'24"E, a distance of 27.99' (10.08 Varas);
- (L571) S58°32'35"E, a distance of 92.03' (33.13 Varas);
- (L572) S40°49'45"W, a distance of 9.73' (3.50 Varas);
- (L573) S61°19'01"E, a distance of 51.40' (18.50 Varas);
- (L574) N67°25'00"E, a distance of 78.79' (28.36 Varas);
- (L575) S85°14'33"E, a distance of 27.07' (9.75 Varas);
- (L576) N38°36'49"E, a distance of 37.14' (13.37 Varas);
- (L577) N89°22'18"E, a distance of 26.81' (9.65 Varas);
- (L578) N54°35'22"E, a distance of 26.84' (9.66 Varas);
- (L579) N10°29'51"E, a distance of 45.52' (16.39 Varas);
- (L580) N27°31'25"W, a distance of 35.82' (12.90 Varas);
- (L581) N79°17'06"W, a distance of 15.53' (5.59 Varas);
- (L582) N34°35'26"W, a distance of 100.42' (36.15 Varas);
- (L583) N62°56'43"W, a distance of 50.39' (18.14 Varas);
- (L584) N34°22'23"W, a distance of 62.35' (22.45 Varas);
- (L585) N68°47'48"W, a distance of 36.33' (13.08 Varas);
- (L586) N44°52'04"W, a distance of 187.60' (67.54 Varas);
- (L587) N43°55'47"W, a distance of 44.62' (16.06 Varas);
- (L588) N28°14'31"W, a distance of 47.66' (17.16 Varas);
- (L589) N16°49'09"W, a distance of 56.51' (20.34 Varas);
- (L590) N41°32'40"W, a distance of 48.64' (17.51 Varas);
- (L591) N41°07'57"W, a distance of 72.63' (26.15 Varas);
- (L592) N37°00'31"W, a distance of 121.58' (43.77 Varas);
- (L593) N63°39'09"W, a distance of 60.44' (21.76 Varas);
- (L594) N81°21'02"W, a distance of 102.99' (37.08 Varas);
- (L595) N40°44'40"W, a distance of 74.86' (26.95 Varas);
- (L596) N36°59'09"W, a distance of 27.56' (9.92 Varas);
- (L597) N66°32'37"W, a distance of 143.47' (51.65 Varas);
- (L598) N72°46'09"W, a distance of 246.20' (88.63 Varas);
- (L599) N55°59'36"W, a distance of 81.84' (29.46 Varas);
- (L600) N38°49'54"W, a distance of 193.67' (69.72 Varas);
- (L601) N32°23'03"W, a distance of 156.88' (56.48 Varas);
- (L602) N37°12'44"W, a distance of 133.58' (48.09 Varas);
- (L603) N33°08'42"W, a distance of 162.31' (58.43 Varas);
- (L604) S73°05'22"E, a distance of 18.64' (6.71 Varas);
- (L605) S33°32'54"E, a distance of 90.85' (32.71 Varas);
- (L606) S55°28'58"E, a distance of 35.74' (12.87 Varas);
- (L607) S89°46'06"E, a distance of 34.62' (12.46 Varas);
- (L608) S63°42'15"E, a distance of 11.33' (4.08 Varas);
- (L609) S28°12'33"E, a distance of 23.32' (8.40 Varas);
- (L610) S46°54'31"E, a distance of 64.54' (23.23 Varas);

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- (L611) S36°14'13"E, a distance of 66.29' (23.86 Varas);
 - (L612) S35°40'11"E, a distance of 40.46' (14.57 Varas);
 - (L613) S31°09'52"E, a distance of 59.90' (21.56 Varas);
 - (L614) S52°01'56"E, a distance of 44.62' (16.06 Varas);
 - (L615) S78°17'26"E, a distance of 49.36' (17.77 Varas);
 - (L616) S50°55'17"E, a distance of 62.76' (22.59 Varas);
 - (L617) S51°00'23"E, a distance of 93.67' (33.72 Varas);
 - (L618) S50°41'23"E, a distance of 34.37' (12.37 Varas);
 - (L619) S76°56'28"E, a distance of 37.51' (13.50 Varas);
 - (L620) S74°29'07"E, a distance of 83.46' (30.05 Varas);
 - (L621) N06°53'11"E, a distance of 40.78' (14.68 Varas);
 - (L622) S87°24'33"E, a distance of 73.00' (26.28 Varas);
 - (L623) S73°38'41"E, a distance of 15.17' (5.46 Varas);
 - (L624) S73°38'41"E, a distance of 54.04' (19.45 Varas);
 - (L625) S73°38'41"E, a distance of 28.72' (10.34 Varas);
 - (L626) N73°20'02"E, a distance of 116.18' (41.82 Varas);
 - (L627) S47°08'56"E, a distance of 99.77' (35.92 Varas);
 - (L628) N62°08'12"E, a distance of 87.45' (31.48 Varas);
 - (L629) N54°26'19"E, a distance of 115.51' (41.58 Varas);
 - (L630) S33°12'38"E, a distance of 197.13' (70.97 Varas);
 - (L631) S67°07'30"E, a distance of 5.70' (2.05 Varas);
 - (L632) S23°35'03"E, a distance of 17.91' (6.45 Varas);
 - (L633) S62°36'42"E, a distance of 79.43' (28.59 Varas);
 - (L634) S81°13'04"E, a distance of 93.87' (33.79 Varas);
 - (L635) S72°30'16"E, a distance of 144.49' (52.02 Varas);
- (L636) S60°49'46"E, a distance of 137.39' (49.46 Varas)
to the **Point of Termination** having coordinates of (N: 13,634,729.9', E:
3,245,764.1', ELEV: 1.1' NAVD88), from which NGS Monument "HGCSO 62" (N:
13,645,727.12', E: 3,264,124.40' Elev: 6.3') bears N 59°04'47" E, a distance of
21,401.86' (7,704.67 Varas);

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Tract No. 3:

Beginning on Tract No. 3, having coordinates of (N: 13,633,313.2', E: 3,240,466.4', ELEV: 1.1' NAVD88) from which control point 1972 K 2009" (N: 13,596,213.62', E: 3,205,083.27', ELEV: 3.1') used for secondary control bears S 43°38'36" W, a distance of 51,267.42' (18,456.27 Varas);

- (L637) S50°56'53"E, a distance of 46.03' (16.57 Varas);
- (L638) S29°25'26"E, a distance of 35.54' (12.79 Varas);
- (L639) S44°05'34"E, a distance of 23.22' (8.36 Varas);
- (L640) S25°59'43"E, a distance of 18.35' (6.61 Varas);
- (L641) S72°31'51"E, a distance of 39.89' (14.36 Varas);
- (L642) N84°14'23"E, a distance of 31.29' (11.26 Varas);
- (L643) S45°00'40"E, a distance of 16.65' (5.99 Varas);
- (L644) S63°05'26"E, a distance of 70.47' (25.37 Varas);
- (L645) S48°41'13"E, a distance of 122.16' (43.98 Varas);
- (L646) S37°14'36"E, a distance of 98.14' (35.33 Varas);
- (L647) S23°34'10"E, a distance of 56.92' (20.49 Varas);
- (L648) S54°24'13"E, a distance of 12.61' (4.54 Varas);
- (L649) S12°47'28"E, a distance of 19.00' (6.84 Varas);
- (L650) S44°25'32"E, a distance of 6.34' (2.28 Varas);
- (L651) S05°12'00"E, a distance of 14.80' (5.33 Varas);
- (L652) S33°44'42"E, a distance of 11.29' (4.06 Varas);
- (L653) S01°30'05"E, a distance of 3.30' (1.19 Varas);
- (L654) S88°29'55"W, a distance of 4.87' (1.75 Varas);
- (L655) S46°39'18"W, a distance of 13.16' (4.74 Varas);
- (L656) S11°05'23"E, a distance of 21.49' (7.74 Varas);
- (L657) S09°03'12"W, a distance of 31.15' (11.21 Varas);

(L658) S02°55'09"W, a distance of 44.50' (16.02 Varas), from which NGS Monument "HGCS D 62" (N: 13,645,727.12', E: 3,264,124.40' Elev: 6.3') bears N 60°55'02" E, a distance of 26,608.61' (9,579.10 Varas);

- (L659) S55°34'16"W, a distance of 40.31' (14.51 Varas);
- (L660) S70°54'58"W, a distance of 20.48' (7.37 Varas);
- (L661) S82°21'20"W, a distance of 21.27' (7.66 Varas);
- (L662) S71°31'16"W, a distance of 23.44' (8.44 Varas);
- (L663) N39°03'32"W, a distance of 26.96' (9.71 Varas);
- (L664) N60°23'42"W, a distance of 31.11' (11.20 Varas);
- (L665) N40°38'10"W, a distance of 15.95' (5.74 Varas);
- (L666) N58°01'31"W, a distance of 71.51' (25.74 Varas);
- (L667) N53°45'11"W, a distance of 157.39' (56.66 Varas);
- (L668) N33°43'23"W, a distance of 64.54' (23.23 Varas);

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(L669) N53°05'36"W, a distance of 46.39' (16.70 Varas);
(L670) N40°20'33"W, a distance of 45.69' (16.45 Varas);
(L671) N63°52'27"W, a distance of 21.64' (7.79 Varas);
(L672) N50°37'28"W, a distance of 67.37' (24.25 Varas);
(L673) N31°25'27"W, a distance of 22.14' (7.97 Varas);
(L674) N14°15'14"W, a distance of 47.20' (16.99 Varas);
(L675) N42°48'18"E, a distance of 76.18' (27.42 Varas);
(L676) N25°05'30"E, a distance of 57.37' (20.65 Varas);
(L677) N54°27'19"E, a distance of 67.32' (24.24 Varas) to the **Point of Beginning**.

Tract No. 4:

Beginning on Tract No. 4, having coordinates of (N: 13,633,091.2, E: 3,242,161.6', ELEV: 1.1' NAVD88) from which control point 1972 K 2009" (N: 13,596,213.62', E: 3,205,083.27', ELEV: 3.1') used for secondary control bears S 45°09'20" W, a distance of 52,294.91' (18,826.17 Varas);

(L678) N01°39'04"E, a distance of 14.72' (5.30 Varas);
(L679) N58°09'35"E, a distance of 14.54' (5.23 Varas);
(L680) S70°17'51"E, a distance of 70.54' (25.39 Varas);
(L681) S47°57'23"E, a distance of 36.69' (13.21 Varas);

(L682) S27°29'03"E, a distance of 20.02' (7.21 Varas) from which NGS Monument "HGCS D 62" (N: 13,645,727.12', E: 3,264,124.40' Elev: 6.3') bears N 59°52'12" E, a distance of 25,260.09' (9,093.63 Varas);

(L683) S63°13'30"W, a distance of 30.01' (10.80 Varas);
(L684) N76°05'07"W, a distance of 46.87' (16.87 Varas);
(L685) N61°27'11"W, a distance of 37.16' (13.38 Varas);
(L686) N20°49'44"W, a distance of 30.19' (10.87 Varas) to the **Point of Beginning**.

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Tract No. 5:

Beginning on Tract No. 5, having coordinates of (N: 13,633,949.5', E: 3,241,582.0', ELEV: 1.1' NAVD88) from which control point 1972 K 2009" (N: 13,596,213.62', E: 3,205,083.27', ELEV: 3.1') used for secondary control bears S 44°02'43" W, a distance of 52,499.12' (18,899.68 Varas);

- (L687) N66°51'27"E, a distance of 52.97' (19.07 Varas);
- (L688) S78°03'45"E, a distance of 42.44' (15.28 Varas);
- (L689) S60°50'25"E, a distance of 113.13' (40.73 Varas);
- (L690) S66°52'01"E, a distance of 40.68' (14.64 Varas);
- (L691) S89°44'08"E, a distance of 75.80' (27.29 Varas);
- (L692) S70°16'38"E, a distance of 23.47' (8.45 Varas);
- (L693) S86°34'39"E, a distance of 76.89' (27.68 Varas);
- (L694) S78°33'31"E, a distance of 61.35' (22.09 Varas);
- (L695) S69°45'01"E, a distance of 80.90' (29.12 Varas);
- (L696) S58°26'40"E, a distance of 75.42' (27.15 Varas);
- (L697) S45°36'21"E, a distance of 59.99' (21.60 Varas);
- (L698) S35°56'05"E, a distance of 75.08' (27.03 Varas);

(L699) S12°42'02"E, a distance of 51.27' (18.46 Varas), from which NGS Monument "HGCS D 62" (N: 13,645,727.12', E: 3,264,124.40' Elev: 6.3') bears S 61°03'06" W, a distance of 24,961.59' (8,986.17 Varas);

- (L700) S52°53'52"W, a distance of 29.21' (10.52 Varas);
- (L701) N77°29'41"W, a distance of 77.13' (27.77 Varas);
- (L702) N52°34'02"W, a distance of 25.47' (9.17 Varas);
- (L703) N76°51'31"W, a distance of 87.00' (31.32 Varas);
- (L704) N84°30'57"W, a distance of 60.58' (21.81 Varas);
- (L705) N66°40'53"W, a distance of 98.65' (35.51 Varas);
- (L706) N37°55'32"W, a distance of 75.67' (27.24 Varas);
- (L707) N43°59'00"W, a distance of 79.06' (28.46 Varas);
- (L708) N67°22'12"W, a distance of 36.93' (13.29 Varas);
- (L709) S75°15'52"W, a distance of 36.84' (13.26 Varas);
- (L710) N83°50'54"W, a distance of 61.12' (22.00 Varas);
- (L711) N48°02'51"W, a distance of 110.74' (39.87 Varas);
- (L712) N53°07'26"W, a distance of 38.60' (13.90 Varas) to the **Point of Beginning.**

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Tract No. 6:

Beginning on Tract No. 6, having coordinates of (N: 13,635,826.7', E: 3,243,156.0', ELEV: 1.1' NAVD88) from which control point 1972 K 2009" (N: 13,596,213.62', E: 3,205,083.27', ELEV: 3.1') used for secondary control bears S 43°51'51" W, a distance of 54,942.96' (19,779.47 Varas);

(L713) N58°47'07"E, a distance of 67.94' (24.46 Varas);

(L714) S09°37'46"E, a distance of 21.69' (7.81 Varas);

(L715) S59°08'38"W, a distance of 23.77' (8.56 Varas), from which NGS Monument "HGCS D 62" (N: 13,645,727.12', E: 3,264,124.40' Elev: 6.3') bears N 64°41'27" E, a distance of 23,126.46' (8,325.53 Varas);

(L716) S79°23'20"W, a distance of 34.65' (12.47 Varas);

(L717) N56°50'39"W, a distance of 8.69' (3.13 Varas) to the **Point of Beginning**.

Tract No. 7:

Beginning on Tract No. 7, having coordinates of (N: 13,635,950.2', E: 3,243,065.9', ELEV: 1.1' NAVD88) from which control point 1972 K 2009" (N: 13,596,213.62', E: 3,205,083.27', ELEV: 3.1') used for secondary control bears S 43°42'26" W, a distance of 54,969.80' (19,789.13 Varas);

(L718) S88°17'45"E, a distance of 72.97' (26.27 Varas);

(L719) N60°02'40"E, a distance of 31.56' (11.36 Varas);

(L720) S67°49'09"E, a distance of 10.68' (3.84 Varas);

(L721) S46°53'17"E, a distance of 34.83' (12.54 Varas);

(L722) N77°23'43"E, a distance of 21.81' (7.85 Varas), from which NGS Monument "HGCS D 62" (N: 13,645,727.12', E: 3,264,124.40' Elev: 6.3') bears N 64°54'37" E, a distance of 23,079.21' (8,308.52 Varas);

(L723) S13°44'56"E, a distance of 31.13' (11.21 Varas);

(L724) S61°03'36"W, a distance of 29.41' (10.59 Varas);

(L725) N75°54'45"W, a distance of 115.61' (41.62 Varas);

(L726) N45°40'00"W, a distance of 36.95' (13.30 Varas) to the **Point of Beginning**.

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Tract No. 8:

Beginning on Tract No. 8, having coordinates of (N: 13,636,150.4', E: 3,242,911.2', ELEV: 1.1' NAVD88) from which control point 1972 K 2009" (N: 13,596,213.62', E: 3,205,083.27', ELEV: 3.1') used for secondary control bears S 43°26'48" W, a distance of 55,008.16' (19,802.94 Varas);

- (L727) N32°42'35"E, a distance of 14.83' (5.34 Varas);
- (L728) S83°19'27"E, a distance of 18.05' (6.50 Varas);
- (L729) S63°17'09"E, a distance of 9.79' (3.52 Varas);
- (L730) S22°12'23"E, a distance of 48.35' (17.41 Varas);
- (L731) S29°14'48"E, a distance of 26.96' (9.71 Varas);
- (L732) S45°23'38"E, a distance of 39.92' (14.37 Varas);
- (L733) N76°55'19"E, a distance of 13.21' (4.76 Varas);
- (L734) S74°13'29"E, a distance of 12.95' (4.66 Varas);
- (L735) N71°58'21"E, a distance of 23.43' (8.43 Varas);
- (L736) S86°57'08"E, a distance of 46.27' (16.66 Varas);

(L737) S56°04'12"E, a distance of 31.91' (11.49 Varas), from which NGS Monument "HGCS D 62" (N: 13,645,727.12', E: 3,264,124.40' Elev: 6.3') bears N 65°14'58" E, a distance of 23,122.41' (8,324.07 Varas);

- (L738) N83°04'42"W, a distance of 27.24' (9.81 Varas);
- (L739) S52°54'05"W, a distance of 33.01' (11.88 Varas);
- (L740) N82°37'36"W, a distance of 32.96' (11.87 Varas);
- (L741) N69°09'11"W, a distance of 37.99' (13.68 Varas);
- (L742) N50°59'42"W, a distance of 39.50' (14.22 Varas);
- (L743) N43°58'08"W, a distance of 46.25' (16.65 Varas);
- (L744) N34°19'57"W, a distance of 54.02' (19.45 Varas) to the **Point of Beginning**.

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Tract No. 9:

Beginning on Tract No. 9, having coordinates of (N: 13,635,661.2', E: 3,242,506.7', ELEV: 1.1' NAVD88) from which control point 1972 K 2009" (N: 13,596,213.62', E: 3,205,083.27', ELEV: 3.1') used for secondary control bears S 43°29'30" W, a distance of 54,374.84' (19,574.94 Varas);

- (L745) N47°24'21"W, a distance of 31.38' (11.30 Varas);
- (L746) N77°26'25"W, a distance of 32.93' (11.85 Varas);
- (L747) N33°42'13"W, a distance of 87.77' (31.60 Varas);
- (L748) N07°48'15"W, a distance of 65.70' (23.65 Varas);
- (L749) N06°32'31"E, a distance of 60.07' (21.63 Varas);
- (L750) N63°38'18"W, a distance of 49.79' (17.92 Varas);
- (L751) S59°07'29"W, a distance of 23.46' (8.45 Varas);
- (L752) N82°29'52"W, a distance of 42.74' (15.39 Varas);
- (L753) N15°25'00"W, a distance of 17.80' (6.41 Varas);
- (L754) S75°00'39"E, a distance of 34.84' (12.54 Varas);
- (L755) N55°52'11"E, a distance of 66.80' (24.05 Varas);

(L756) N21°22'19"E, a distance of 33.07' (11.91 Varas) from which NGS Monument "HGCS D 62" (N: 13,645,727.12', E: 3,264,124.40' Elev: 6.3') bears N 65°50'40" E, a distance of 23,820.34' (8,575.32 Varas);

- (L757) S21°33'30"E, a distance of 19.66' (7.08 Varas);
- (L758) S43°04'07"E, a distance of 30.93' (11.13 Varas);
- (L759) S73°18'34"E, a distance of 25.72' (9.26 Varas);
- (L760) S86°30'39"E, a distance of 24.88' (8.96 Varas);
- (L761) S64°17'41"E, a distance of 19.61' (7.06 Varas);
- (L762) S48°29'57"E, a distance of 96.42' (34.71 Varas);
- (L763) S24°47'21"E, a distance of 30.85' (11.11 Varas);
- (L764) S13°36'20"W, a distance of 44.97' (16.19 Varas);
- (L765) S18°44'22"W, a distance of 90.23' (32.48 Varas);
- (L766) S31°51'29"W, a distance of 45.82' (16.50 Varas) to the **Point of Beginning**.

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Tract No. 10:

Beginning on Tract No. 10, having coordinates of (N: 13,636,322.1', E: 3,241,335.4', ELEV: 1.1' NAVD88) from which control point 1972 K 2009" (N: 13,596,213.62', E: 3,205,083.27', ELEV: 3.1') used for secondary control bears S 42°06'32" W, a distance of 54,063.95' (19,463.02 Varas);
(L767) S42°43'20"E, a distance of 38.77' (13.96 Varas);
(L768) N77°51'44"E, a distance of 34.86' (12.55 Varas);
(L769) S59°18'36"E, a distance of 65.50' (23.58 Varas);
(L770) S02°25'28"E, a distance of 52.65' (18.95 Varas);
(L771) S46°21'15"W, a distance of 42.28' (15.22 Varas);
(L772) S31°36'24"E, a distance of 111.73' (40.22 Varas);
(L773) S15°13'14"W, a distance of 43.28' (15.58 Varas);
(L774) S68°28'42"W, a distance of 37.81' (13.61 Varas);
(L775) S38°51'38"E, a distance of 48.17' (17.34 Varas);
(L776) S64°50'31"E, a distance of 144.08' (51.87 Varas);
(L777) S27°38'15"E, a distance of 109.39' (39.38 Varas);
(L778) S79°51'55"E, a distance of 137.64' (49.55 Varas);
(L779) S72°11'28"E, a distance of 118.30' (42.59 Varas);
(L780) N29°05'12"E, a distance of 45.66' (16.44 Varas);
(L781) N81°26'27"E, a distance of 65.31' (23.51 Varas);
(L782) N85°28'41"E, a distance of 57.46' (20.69 Varas);
(L783) S86°48'23"E, a distance of 72.52' (26.11 Varas);
(L784) S50°35'59"E, a distance of 37.64' (13.55 Varas);
(L785) S79°42'10"E, a distance of 92.47' (33.29 Varas);
(L786) S03°54'02"E, a distance of 14.96' (5.39 Varas);
(L787) N84°32'29"E, a distance of 15.24' (5.49 Varas);
(L788) N15°15'46"W, a distance of 28.96' (10.43 Varas);
(L789) N62°33'10"W, a distance of 135.38' (48.74 Varas);
(L790) N54°13'07"W, a distance of 53.31' (19.19 Varas);
(L791) N37°39'58"E, a distance of 83.04' (29.89 Varas);
(L792) N01°12'34"E, a distance of 7.07' (2.55 Varas);

(L793) N45°51'10"W, a distance of 12.79' (4.60 Varas), from which NGS Monument "HGCS D 62" (N: 13,645,727.12', E: 3,264,124.40' Elev: 6.3') bears N 66°04'40" E, a distance of 24,063.66' (8,662.92 Varas);

(L794) N72°11'18"W, a distance of 12.88' (4.64 Varas);
(L795) S62°22'49"W, a distance of 12.75' (4.59 Varas);
(L796) N77°13'11"W, a distance of 12.82' (4.62 Varas);
(L797) S27°20'10"W, a distance of 26.42' (9.51 Varas);
(L798) S16°41'24"W, a distance of 20.07' (7.23 Varas);
(L799) S43°54'46"W, a distance of 13.75' (4.95 Varas);

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(L800) S77°07'03"W, a distance of 26.44' (9.52 Varas);
(L801) N78°46'24"W, a distance of 56.14' (20.21 Varas);
(L802) S56°39'02"W, a distance of 53.46' (19.25 Varas);
(L803) S81°19'00"W, a distance of 117.24' (42.21 Varas);
(L804) N56°07'19"W, a distance of 111.32' (40.08 Varas);
(L805) N32°43'42"W, a distance of 82.79' (29.80 Varas);
(L806) S81°37'06"W, a distance of 24.44' (8.80 Varas);
(L807) N49°44'21"W, a distance of 34.17' (12.30 Varas);
(L808) N06°32'28"W, a distance of 13.70' (4.93 Varas);
(L809) N25°25'01"W, a distance of 45.53' (16.39 Varas);
(L810) N12°27'03"W, a distance of 95.19' (34.27 Varas);
(L811) S36°43'47"W, a distance of 57.36' (20.65 Varas);
(L812) N39°29'44"W, a distance of 56.10' (20.20 Varas);
(L813) N05°38'03"W, a distance of 44.84' (16.14 Varas);
(L814) N24°47'08"E, a distance of 52.31' (18.83 Varas);
(L815) N47°29'45"W, a distance of 23.76' (8.55 Varas);
(L816) N74°53'00"W, a distance of 142.72' (51.38 Varas);
(L817) S85°51'32"W, a distance of 41.68' (15.00 Varas) to the **Point of Beginning.**

Tract No. 11:

Beginning on Tract No. 11, having coordinates of (N: 13,636,167.3', E: 3,241,295.7', ELEV: 1.1' NAVD88) from which control point 1972 K 2009" (N: 13,596,213.62', E: 3,205,083.27', ELEV: 3.1') used for secondary control bears S 42°11'17" W, a distance of 53,922.51' (19,412.10 Varas);

(L818) N49°24'01"E, a distance of 23.51' (8.46 Varas);
(L819) N13°00'56"W, a distance of 22.01' (7.92 Varas);
(L820) N59°52'11"W, a distance of 72.89' (26.24 Varas);
(L821) N28°12'10"W, a distance of 42.19' (15.19 Varas);
(L822) N42°43'02"E, a distance of 17.50' (6.30 Varas);
(L823) S79°56'28"W, a distance of 56.45' (20.32 Varas);
(L824) N62°11'41"W, a distance of 41.03' (14.77 Varas);
(L825) S80°08'53"W, a distance of 77.09' (27.75 Varas);
(L826) N66°38'54"W, a distance of 154.50' (55.62 Varas);
(L827) N81°11'33"W, a distance of 47.61' (17.14 Varas);
(L828) N15°27'16"W, a distance of 29.98' (10.79 Varas);
(L829) S85°38'13"E, a distance of 22.87' (8.23 Varas);
(L830) N42°59'29"E, a distance of 24.39' (8.78 Varas);
(L831) N23°48'48"E, a distance of 61.52' (22.15 Varas);
(L832) S88°31'10"W, a distance of 44.51' (16.02 Varas);
(L833) S71°15'09"W, a distance of 42.91' (15.45 Varas);

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- (L834) N77°48'06"W, a distance of 67.27' (24.22 Varas);
- (L835) N36°08'40"W, a distance of 32.55' (11.72 Varas);
- (L836) S80°45'11"W, a distance of 37.96' (13.67 Varas);
- (L837) S4°06'22"W, a distance of 21.46' (7.73 Varas);
- (L838) N83°46'58"W, a distance of 32.50' (11.70 Varas);
- (L839) N27°19'08"W, a distance of 29.06' (10.46 Varas);
- (L840) N57°42'29"W, a distance of 12.43' (4.47 Varas);
- (L841) N86°51'23"W, a distance of 33.72' (12.14 Varas);
- (L842) N68°31'36"W, a distance of 18.78' (6.76 Varas);

(L843) S13°47'28"W, a distance of 27.72' (9.98 Varas) from which NGS Monument "HGCS D 62" (N: 13,645,727.12', E: 3,264,124.40' Elev: 6.3') bears N 68°33'52" E, a distance of 25,250.28' (9,090.10 Varas);

- (L844) S62°34'31"W, a distance of 37.44' (13.48 Varas);
- (L845) S77°48'58"W, a distance of 68.39' (24.62 Varas);
- (L846) S53°30'09"W, a distance of 59.97' (21.59 Varas);
- (L847) S39°22'23"W, a distance of 18.74' (6.75 Varas);
- (L848) S27°50'22"E, a distance of 12.58' (4.53 Varas);
- (L849) N62°09'38"E, a distance of 51.99' (18.72 Varas);
- (L850) N80°33'39"E, a distance of 163.92' (59.01 Varas);
- (L851) S81°39'57"E, a distance of 36.95' (13.30 Varas);
- (L852) S68°04'52"E, a distance of 115.50' (41.58 Varas);
- (L853) S16°57'59"E, a distance of 29.72' (10.70 Varas);
- (L854) N48°48'06"E, a distance of 28.53' (10.27 Varas);
- (L855) S73°35'08"E, a distance of 12.92' (4.65 Varas);
- (L856) S55°18'59"E, a distance of 31.53' (11.35 Varas);
- (L857) S76°31'37"E, a distance of 41.89' (15.08 Varas);
- (L858) S69°39'34"E, a distance of 88.62' (31.90 Varas);
- (L859) S54°50'03"E, a distance of 72.74' (26.19 Varas);
- (L860) S65°12'05"E, a distance of 94.96' (34.19 Varas);
- (L861) N63°57'50"E, a distance of 63.81' (22.97 Varas);
- (L862) S53°01'24"E, a distance of 64.87' (23.35 Varas);
- (L863) S36°39'02"E, a distance of 62.72' (22.58 Varas) to the **Point of Beginning**.

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Tract No. 12:

Beginning on Tract No. 12, having coordinates of (N: 13,636,660.8', E: 3,241,513.7', ELEV: 1.1' NAVD88) from which control point 1972 K 2009" (N: 13,596,213.62', E: 3,205,083.27', ELEV: 3.1') used for secondary control bears S 42°00'33" W, a distance of 54,434.81' (19,596.53 Varas);

- (L864) S66°16'11"W, a distance of 16.53' (5.95 Varas);
- (L865) N77°57'31"W, a distance of 11.55' (4.16 Varas);
- (L866) S57°37'31"W, a distance of 28.78' (10.36 Varas);
- (L867) N88°42'08"W, a distance of 8.83' (3.18 Varas);
- (L868) N60°10'08"W, a distance of 54.64' (19.67 Varas);
- (L869) N88°02'54"W, a distance of 30.83' (11.10 Varas);

(L870) N50°03'03"W, a distance of 40.12' (14.44 Varas), from which NGS Monument "HGCS D 62" (N: 13,645,727.12', E: 3,264,124.40' Elev: 6.3') bears N 68°22'20" E, a distance of 24,504.45' (8,821.60 Varas);

- (L871) S85°37'29"W, a distance of 119.28' (42.94 Varas);
- (L872) S43°57'42"W, a distance of 47.62' (17.14 Varas);
- (L873) S00°07'14"W, a distance of 20.61' (7.42 Varas);
- (L874) S88°10'55"E, a distance of 25.53' (9.19 Varas);
- (L875) S50°42'33"E, a distance of 39.62' (14.26 Varas);
- (L876) S01°28'32"E, a distance of 57.32' (20.64 Varas);
- (L877) S39°54'20"W, a distance of 60.10' (21.64 Varas);
- (L878) S79°50'27"E, a distance of 26.65' (9.59 Varas);
- (L879) N28°45'41"E, a distance of 80.12' (28.84 Varas);
- (L880) N10°08'58"W, a distance of 46.53' (16.75 Varas);
- (L881) N66°09'15"E, a distance of 49.82' (17.94 Varas);
- (L882) S78°06'05"E, a distance of 51.80' (18.65 Varas);
- (L883) N72°30'43"E, a distance of 59.70' (21.49 Varas);
- (L884) S83°01'23"E, a distance of 61.58' (22.17 Varas);
- (L885) N48°01'39"E, a distance of 41.11' (14.80 Varas) to the **Point of Beginning**.

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Tract No. 13:

Beginning on Tract No. 13, having coordinates of (N: 13,636,712.6', E: 3,241,621.5', ELEV: 1.1' NAVD88) from which control point 1972 K 2009" (N: 13,596,213.62', E: 3,205,083.27', ELEV: 3.1') used for secondary control bears S 42°03'24" W, a distance of 54,545.50' (19,636.38 Varas);

- (L886) N69°17'14"E, a distance of 23.50' (8.46 Varas);
- (L887) S66°20'30"E, a distance of 15.87' (5.71 Varas);
- (L888) N64°50'17"E, a distance of 24.60' (8.86 Varas);
- (L889) N84°32'03"E, a distance of 25.51' (9.18 Varas);
- (L890) S63°59'01"E, a distance of 23.38' (8.42 Varas);
- (L891) S37°14'30"W, a distance of 4.58' (1.65 Varas);
- (L892) S21°19'54"E, a distance of 30.46' (10.97 Varas);
- (L893) S26°42'15"E, a distance of 16.96' (6.11 Varas);
- (L894) S67°24'45"E, a distance of 29.89' (10.76 Varas);
- (L895) S18°32'32"E, a distance of 58.82' (21.18 Varas);
- (L896) S15°56'08"E, a distance of 25.80' (9.29 Varas);
- (L897) S22°13'38"W, a distance of 10.87' (3.91 Varas);
- (L898) S63°21'59"E, a distance of 44.90' (16.16 Varas);

(L899) N83°22'14"E, a distance of 23.30' (8.39 Varas), from which NGS Monument "HGCS D 62" (N: 13,645,727.12', E: 3,264,124.40' Elev: 6.3') bears N 67°36'16" E, a distance of 24,085.87' (8,670.91 Varas);

- (L900) S23°13'41"E, a distance of 15.89' (5.72 Varas);
- (L901) S28°37'49"W, a distance of 9.09' (3.27 Varas);
- (L902) S89°31'43"W, a distance of 55.94' (20.14 Varas);
- (L903) N46°56'02"W, a distance of 25.14' (9.05 Varas);
- (L904) N08°24'21"W, a distance of 66.38' (23.90 Varas);
- (L905) N47°47'45"W, a distance of 62.54' (22.51 Varas);
- (L906) N87°00'38"W, a distance of 21.09' (7.59 Varas);
- (L907) N46°08'32"W, a distance of 23.07' (8.31 Varas);
- (L908) N37°40'21"W, a distance of 16.31' (5.87 Varas);
- (L909) N38°13'13"E, a distance of 14.30' (5.15 Varas);
- (L910) N73°57'08"W, a distance of 69.13' (24.89 Varas) to the **Point of Beginning.**

James M. Naismith, RPLS, LSLs

Handwritten signature of James M. Naismith
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9/27/2024



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ARTIFICIAL BUILD UP/FILL AREA SURVEY, MAY 02, 2024

This report accompanies a map of survey dated January 10, 2024.

Artificial Build Up/ Fill Area Report to accompany Coastal Boundary Survey of a portion of the Northerly boundary line of Hall & Jones Survey, Abstract No. 121, same being the Southerly boundary lines of West Galveston Bay and State Submerged Tract No. 56. Galveston County, Texas.



Figure 1: Galveston Bay shoreline within surveyed area.

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Galveston, SR No. 97
File Date 02/10/2025 by K. Schreiber

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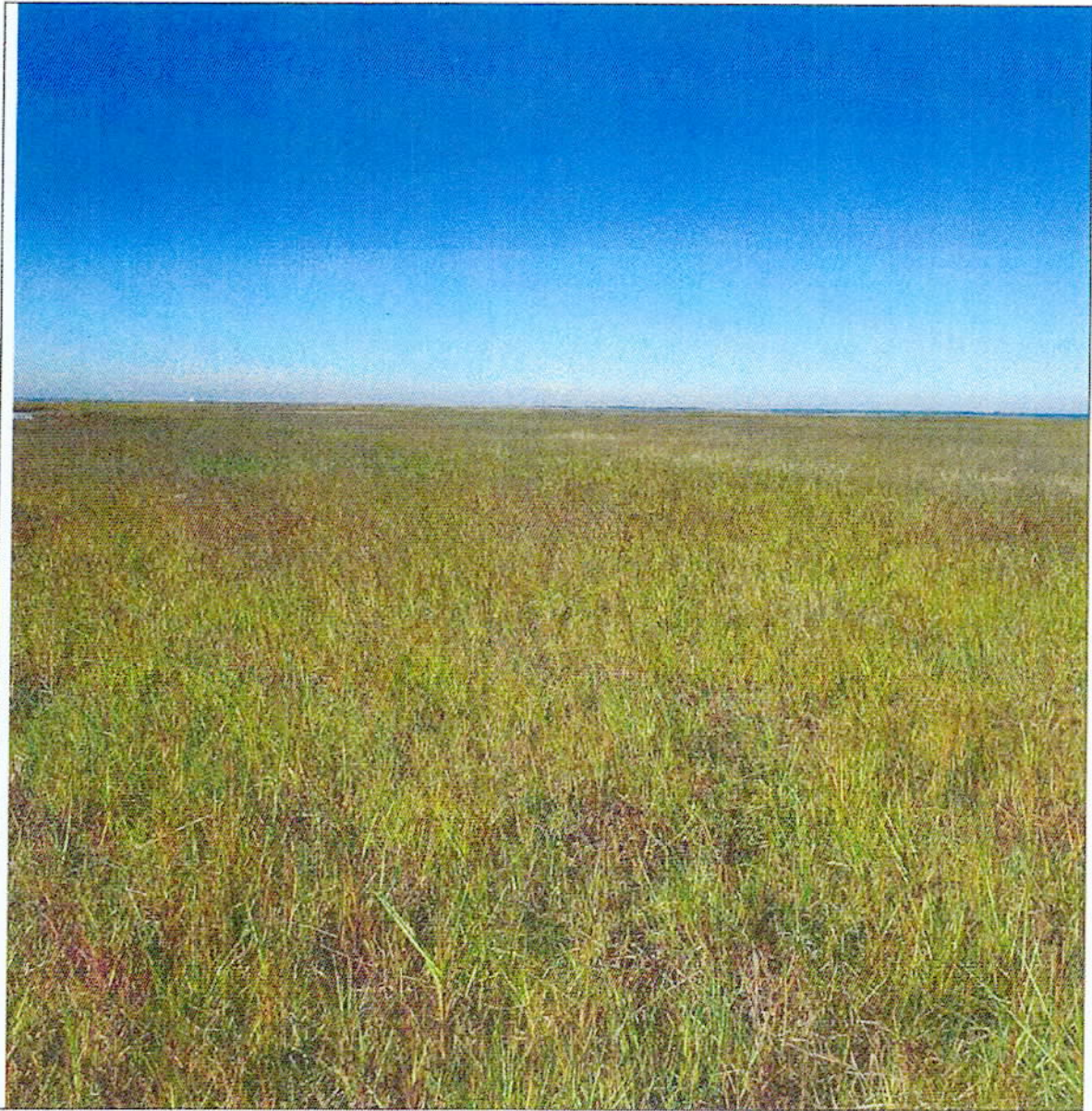


Figure 2: Galveston Bay shoreline within surveyed area.

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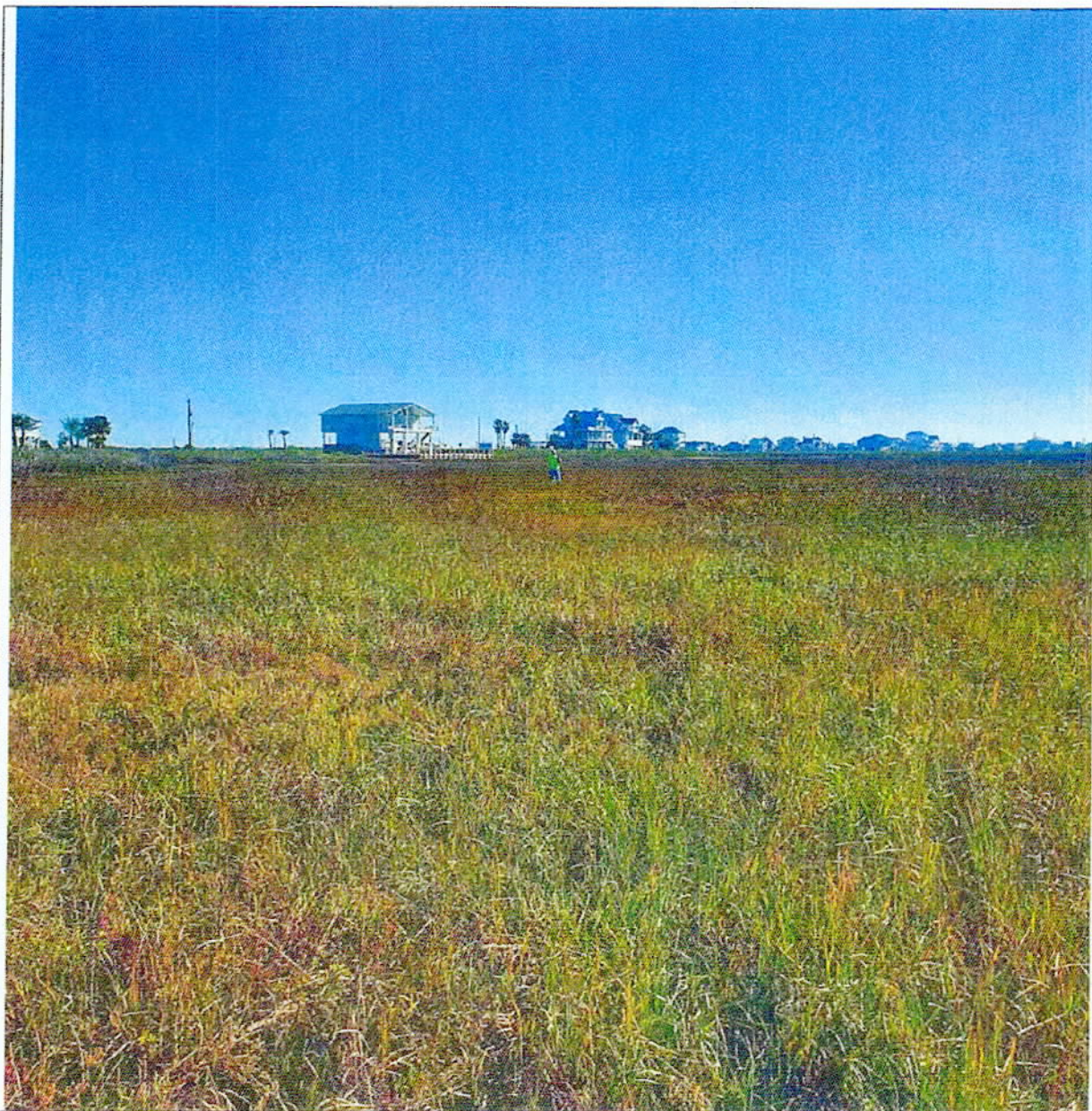


Figure 3: Typical Galveston Bay shoreline within surveyed area.

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Figure 4: Typical Galveston Bay shoreline within surveyed area.

All survey work was performed using survey grade RTK GPS base and rover: Trimble R8/R10 Receivers. The survey was conducted January 10, 2024. NGS benchmarks used as primary control for the survey.

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Datum is NAD 83 (2011), South Central Zone, Texas Coordinate System (US Feet).
Orthometric heights referenced to NAVD88 datum (Geoid 18).



Figure 5: NGS Monument "HGCD 62" PID: AW5708

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Figure 6: OPUS Monument "1972 K 2009"

SURVEY CONTROL:

Primary Control Point:

"HGCS D 62" PID: AW5708 (PUBLISHED)

Secondary Control Points:

"1972 K 2009" (OPUS)

	Northing	Easting	Elevation
NGS MONUMENTS			
"HGCS D 62" PID: AW5708 (PUBLISHED)	13,645,727.12'	3,264,124.40'	6.3'
OPUS MONUMENTS			
"1972 K 2009" (OPUS)	13,596,213.62'	3,205,083.27'	3.1'

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STATE OWNERSHIP BOUNDARY: As referenced to this survey, the elevation of MHW on the West Galveston Bay shoreline is 1.1' (NAVD88). The tide gauge is referenced to NOAA Tide Station Galveston Railroad Bridge TX [8771486], Galveston, Texas, and San Luis Pass TX [8771972], Galveston, Texas.

EXISTING FILL: There is apparent existing artificial fill in that portion of the current survey area where the previously established MHW/littoral boundary line (NRC Article 33.136 Sketch 57, March 22, 2018), (NRC Article 33.136 Sketch 63, June 6, 2018) and (NRC Article 33.136 Sketch 72, June 20, 2018), is landward of the current (January 10, 2024) MHW line, said area of artificial fill being described by metes and bounds as follows:

FIELD NOTES for Artificial Fill / Build Up along the Mean High Water (MHW) lines and the MHW line/littoral boundary established by Galveston County HDR 33.136 Sketch 57 coastal boundary survey performed on August 18-21, 2009, 33.136 Sketch 63 coastal boundary survey performed on December 16, 2009 and February 19, 2010, Naismith Marine 33.136 Sketch 72 coastal boundary survey performed on April 8-9 & June 5, 2013 and along the West Galveston Bay shoreline. Being a portion of the Northerly, Southerly, Easterly, and Westerly boundary lines of the Hall & Jones Survey, Abstract No. 121, same being the Northerly, Southerly, Easterly, and Westerly boundary lines of West Galveston Bay and State Submerged Tract No. 56. Galveston County, Texas.

Artificial Build up / Fill No. 1:

Beginning on **Artificial Build up / Fill No. 1**, having coordinates of (N: 13,634,755.6', E: 3,245,718.1', ELEV: 1.1' NAVD88) from which NGS Monument HGCS D 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 59°12'07" E, a distance of 21,428.16' (7,714.14 Varas);

- (L1) N60°49'46"W, a distance of 84.74' (30.51 Varas);
- (L2) N72°30'16"W, a distance of 144.49' (52.02 Varas);
- (L3) S81°03'19"E, a distance of 15.81' (5.69 Varas);
- (L4) N75°36'55"E, a distance of 51.76' (18.63 Varas);
- (L5) S66°16'40"E, a distance of 64.48' (23.21 Varas);
- (L6) S35°43'08"E, a distance of 26.92' (9.69 Varas);
- (L7) S56°24'36"E, a distance of 85.57' (30.81 Varas) to the **Point of Beginning**;

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Artificial Build up / Fill No. 2:

Beginning on Artificial Build up / Fill No. 2, having coordinates of (N: 13,634,907.6', E: 3,245,335.9', ELEV: 1.1' NAVD88) from which NGS Monument HGCSO 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 60°03'51" E, a distance of 21,681.12' (7,805.20 Varas);

(L8) N67°07'30"W, a distance of 5.70' (2.05 Varas);
(L9) N33°12'38"W, a distance of 191.16' (68.82 Varas);
(L10) S79°12'55"E, a distance of 29.56' (10.64 Varas);
(L11) S29°22'09"E, a distance of 33.59' (12.09 Varas);
(L12) S54°13'16"E, a distance of 23.19' (8.35 Varas);
(L13) S31°13'28"E, a distance of 70.50' (25.38 Varas);
(L14) S03°20'59"W, a distance of 28.89' (10.40 Varas);
(L15) S23°35'03"E, a distance of 26.91' (9.69 Varas) to the **Point of Beginning**;

Artificial Build up / Fill No. 3:

Beginning on Artificial Build up / Fill No. 3, having coordinates of (N: 13,635,071.3', E: 3,245,217.8', ELEV: 1.1' NAVD88) from which NGS Monument HGCSO 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 60°35'39" E, a distance of 21,702.66' (7,812.96 Varas);

(L16) S54°26'19"W, a distance of 109.57' (39.45 Varas);
(L17) S62°08'12"W, a distance of 87.45' (31.48 Varas);
(L19) N47°08'56"W, a distance of 93.78' (33.76 Varas);
(L20) N72°30'37"E, a distance of 9.76' (3.51 Varas);
(L21) S57°45'32"E, a distance of 47.65' (17.15 Varas);
(L22) S74°22'22"E, a distance of 53.01' (19.08 Varas);
(L23) N60°36'16"E, a distance of 23.43' (8.43 Varas);
(L24) N20°07'26"E, a distance of 15.99' (5.76 Varas);
(L25) S81°48'19"W, a distance of 22.80' (8.21 Varas);
(L26) N26°52'41"E, a distance of 34.55' (12.44 Varas);
(L27) N44°20'29"E, a distance of 43.61' (15.70 Varas);
(L28) S59°01'51"E, a distance of 13.04' (4.69 Varas);

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(L29) N89°02'22"E, a distance of 63.23' (22.76 Varas);
(L30) S79°12'55"E, a distance of 10.88' (3.92 Varas) to the **Point of Beginning**;

Artificial Build up / Fill No. 4:

Beginning on Artificial Build up / Fill No. 4, having coordinates of (N: 13,635,011.3', E: 3,244,900.6', ELEV: 1.1' NAVD88) from which NGS Monument HGCS D 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 60°51'49" E, a distance of 22,008.69' (7,923.13 Varas);

(L31) S73°20'02"W, a distance of 35.17' (12.66 Varas);
(L32) N73°38'41"W, a distance of 28.72' (10.34 Varas);
(L33) N73°38'41"W, a distance of 54.04' (19.45 Varas);
(L34) N88°06'02"E, a distance of 42.91' (15.45 Varas);
(L35) S64°31'24"E, a distance of 9.28' (3.34 Varas);
(L36) S06°29'13"E, a distance of 10.65' (3.83 Varas);
(L37) S76°30'16"E, a distance of 21.64' (7.79 Varas);
(L38) N82°50'12"E, a distance of 39.92' (14.37 Varas) to the **Point of Beginning**;

Artificial Build up / Fill No. 5:

Beginning on Artificial Build up / Fill No. 5, having coordinates of (N: 13,635,003.6', E: 3,244,651.9', ELEV: 1.1' NAVD88) from which NGS Monument HGCS D 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 61°09'30" E, a distance of 22,229.95' (8,002.78 Varas);

(L39) N80°29'58"E, a distance of 23.46 (8.45 Varas);
(L40) S80°02'20"E, a distance of 21.86' (7.87 Varas);
(L41) S06°53'11"W, a distance of 12.17' (4.38 Varas);
(L42) N74°29'07"W, a distance of 44.84' (16.14 Varas); to the **Point of Beginning**;

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Artificial Build up / Fill No. 6:

Beginning on Artificial Build up / Fill No. 6, having coordinates of (N: 13,635,500.3', E: 3,244,067.2', ELEV: 1.1' NAVD88) from which NGS Monument HGCS D 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 62°59'01" E, a distance of 22,513.95' (8,105.02 Varas);

- (L43) S09°56'03"E, a distance of 16.97' (6.11 Varas);
- (L44) N73°05'22"W, a distance of 18.64' (6.71 Varas);
- (L45) N33°49'00"W, a distance of 9.98' (3.59 Varas);
- (L46) N81°39'13"E, a distance of 20.68' (7.44 Varas) to the **Point of Beginning**;

Artificial Build up / Fill No. 7:

Beginning on Artificial Build up / Fill No. 7, having coordinates of (N: 13,635,846.7', E: 3,243,216.7', ELEV: 1.1' NAVD88) from which NGS Monument HGCS D 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 64°42'21" E, a distance of 23,124.76' (8,324.91 Varas);

- (L47) S35°06'35"W, a distance of 13.54' (4.87 Varas);
- (L48) S70°39'43"W, a distance of 26.36' (9.49 Varas);
- (L49) S75°49'41"W, a distance of 20.79' (7.48 Varas);
- (L50) N58°38'07"W, a distance of 10.86' (3.91 Varas);
- (L51) N59°26'12"E, a distance of 34.14' (12.29 Varas);
- (L52) N50°40'54"E, a distance of 21.08' (7.59 Varas);
- (L53) N79°43'16"E, a distance of 14.23' (5.12 Varas);
- (L54) S09°37'46"E, a distance of 14.21' (5.12 Varas); to the **Point of Beginning**;

Artificial Build up / Fill No. 8:

Beginning on Artificial Build up / Fill No. 8, having coordinates of (N: 13,635,941.1', E: 3,242,650.7', ELEV: 1.1' NAVD88) from which NGS Monument HGCS D 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 65°30'01" E, a distance of 23,598.43' (8,495.43 Varas);

- (L55) S13°50'37"E, a distance of 6.93' (2.49 Varas);
- (L56) S75°09'31"W, a distance of 6.89' (2.48 Varas);
- (L57) S35°40'46"E, a distance of 36.20' (13.03 Varas);
- (L58) S12°29'44"W, a distance of 31.46' (11.33 Varas);

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(L59) S17°16'56"E, a distance of 20.86' (7.51 Varas);
(L60) S67°55'27"E, a distance of 16.44' (5.92 Varas);
(L61) S00°34'48"W, a distance of 4.15' (1.49 Varas);
(L62) S72°18'02"W, a distance of 25.42' (9.15 Varas);
(L63) S86°35'39"W, a distance of 29.90' (10.76 Varas);
(L64) N17°35'58"E, a distance of 5.10' (1.84 Varas);
(L65) N55°58'14"E, a distance of 12.97' (4.67 Varas);
(L66) N68°17'12"W, a distance of 17.98' (6.47 Varas);
(L67) S36°31'56"W, a distance of 11.50' (4.14 Varas);
(L68) S75°54'48"W, a distance of 23.09' (8.31 Varas);
(L69) S24°57'27"W, a distance of 18.84' (6.78 Varas);
(L70) S46°52'13"W, a distance of 22.08' (7.95 Varas);
(L71) S32°35'02"W, a distance of 15.36' (5.53 Varas);
(L72) N13°36'20"E, a distance of 38.80' (13.97 Varas);
(L73) N24°47'21"W, a distance of 30.85' (11.11 Varas);
(L74) N48°29'57"W, a distance of 27.06' (9.74 Varas);
(L75) S72°41'32"E, a distance of 45.17' (16.26 Varas);
(L76) N17°07'37"E, a distance of 46.95' (16.90 Varas);
(L77) N58°35'17"E, a distance of 66.17' (23.82 Varas) to the **Point of Beginning**;

Artificial Build up / Fill No. 9:

Beginning on Artificial Build up / Fill No. 9, having coordinates of (N: 13,636,006.5', E: 3,242,366.1', ELEV: 1.1' NAVD88) from which NGS Monument HGCSO 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 65°55'37" E, a distance of 23,830.91' (8,579.13 Varas);

(L78) S41°51'16"W, a distance of 10.06' (3.62 Varas);
(L79) S00°31'59"W, a distance of 13.33' (4.80 Varas);
(L80) S65°09'58"E, a distance of 26.38' (9.50 Varas);
(L81) N38°05'58"E, a distance of 6.69' (2.41 Varas);
(L82) S74°57'54"E, a distance of 2.47' (0.89 Varas);
(L83) S21°22'19"W, a distance of 32.85' (11.83 Varas);
(L84) S55°52'11"W, a distance of 66.80' (24.05 Varas);
(L85) N75°00'39"W, a distance of 34.84' (12.54 Varas);
(L86) S15°25'00"E, a distance of 17.80' (6.41 Varas);
(L87) S82°29'52"E, a distance of 42.74' (15.39 Varas);
(L88) N59°07'29"E, a distance of 23.46' (8.45 Varas);
(L89) S63°38'18"E, a distance of 49.79' (17.92 Varas);
(L90) S06°32'31"W, a distance of 60.07' (21.63 Varas);
(L91) S07°48'15"E, a distance of 65.70' (23.65 Varas);

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- (L92) S33°42'13"E, a distance of 87.77' (31.60 Varas);
- (L93) S77°26'25"E, a distance of 32.93' (11.85 Varas);
- (L94) S47°24'21"E, a distance of 31.38' (11.30 Varas);
- (L95) S58°33'22"W, a distance of 14.27' (5.14 Varas);
- (L96) S39°40'03"W, a distance of 39.57' (14.25 Varas);
- (L97) S56°52'34"W, a distance of 41.31' (14.87 Varas);
- (L98) N53°43'38"W, a distance of 40.72' (14.66 Varas);
- (L99) S70°32'23"W, a distance of 19.38' (6.98 Varas);
- (L100) N70°59'19"W, a distance of 19.64' (7.07 Varas);
- (L101) S31°49'16"W, a distance of 65.95' (23.74 Varas);
- (L102) S21°44'33"W, a distance of 35.46' (12.77 Varas);
- (L103) S52°26'06"W, a distance of 40.15' (14.45 Varas);
- (L104) N22°40'47"E, a distance of 39.14' (14.09 Varas);
- (L105) N76°32'24"E, a distance of 16.40' (5.90 Varas);
- (L106) N01°03'26"W, a distance of 15.34' (5.52 Varas);
- (L107) N83°23'43"W, a distance of 26.68' (9.60 Varas);
- (L108) S50°46'49"W, a distance of 22.57' (8.13 Varas);
- (L109) N85°20'34"W, a distance of 23.99' (8.64 Varas);
- (L110) N40°12'03"W, a distance of 10.95' (3.94 Varas);
- (L111) S53°33'43"W, a distance of 22.90' (8.24 Varas);
- (L112) N81°01'03"W, a distance of 37.95' (13.66 Varas);
- (L113) S49°50'03"W, a distance of 14.26' (5.13 Varas);
- (L114) N61°17'15"W, a distance of 23.48' (8.45 Varas);
- (L115) S78°26'59"W, a distance of 27.15' (9.77 Varas);
- (L116) S21°35'57"E, a distance of 22.57' (8.13 Varas);
- (L117) S53°42'52"W, a distance of 2.82' (1.02 Varas);
- (L118) N43°06'56"W, a distance of 98.98' (35.63 Varas);
- (L119) N53°12'32"W, a distance of 47.53' (17.11 Varas);
- (L120) N30°08'46"E, a distance of 23.68' (8.52 Varas);
- (L121) N02°25'59"W, a distance of 14.37' (5.17 Varas);
- (L122) N48°15'01"W, a distance of 28.82' (10.38 Varas);
- (L123) S75°28'02"E, a distance of 20.79' (7.48 Varas);
- (L124) N05°10'09"W, a distance of 23.07' (8.31 Varas);
- (L125) N44°48'15"W, a distance of 83.60' (30.10 Varas);
- (L126) N15°47'29"W, a distance of 27.93' (10.05 Varas);
- (L127) N33°28'46"E, a distance of 8.14' (2.93 Varas);
- (L128) N52°11'47"W, a distance of 40.67' (14.64 Varas);
- (L129) N81°26'27"E, a distance of 41.45' (14.92 Varas);
- (L130) N85°28'41"E, a distance of 57.46' (20.69 Varas);
- (L131) S86°48'23"E, a distance of 72.52' (26.11 Varas);
- (L132) S50°35'59"E, a distance of 37.64' (13.55 Varas);
- (L133) S79°42'10"E, a distance of 92.47' (33.29 Varas);
- (L134) S03°54'02"E, a distance of 14.96' (5.39 Varas);

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(L135) N84°32'29"E, a distance of 15.24' (5.49 Varas);
(L136) N15°15'46"W, a distance of 28.96' (10.43 Varas);
(L137) N62°33'10"W, a distance of 135.38' (48.74 Varas);
(L138) N54°13'07"W, a distance of 53.31' (19.19 Varas);
(L139) N37°39'58"E, a distance of 43.01' (15.48 Varas);
(L140) S29°05'27"E, a distance of 25.78' (9.28 Varas);
(L141) N69°38'17"E, a distance of 18.94' (6.82 Varas);
(L142) S80°47'23"E, a distance of 14.61' (5.26 Varas);
(L143) N78°34'24"E, a distance of 40.08' (14.43 Varas);
(L144) N24°18'09"E, a distance of 14.20' (5.11 Varas);
(L145) N09°16'36"W, a distance of 19.98' (7.19 Varas);
(L146) N82°06'02"E, a distance of 6.04' (2.17 Varas);
(L147) S58°36'22"E, a distance of 11.67' (4.20 Varas);
(L148) N28°17'41"E, a distance of 19.88' (7.16 Varas);
(L149) N67°25'56"E, a distance of 38.17' (13.74 Varas);
(L150) N21°05'10"E, a distance of 14.28' (5.14 Varas);
(L151) N69°28'40"W, a distance of 16.89' (6.08 Varas);
(L152) N35°54'07"E, a distance of 13.00' (4.68 Varas);
(L153) S77°32'53"E, a distance of 35.53' (12.79 Varas);
(L154) N66°21'54"E, a distance of 29.78' (10.72 Varas);
(L155) S88°09'28"E, a distance of 42.62' (15.34 Varas);
(L156) S66°39'29"E, a distance of 15.38' (5.54 Varas) to the **Point of Beginning;**

Artificial Build up / Fill No. 10:

Beginning on Artificial Build up / Fill No. 10, having coordinates of (N: 13,635,818.8', E: 3,241,917.5', ELEV: 1.1' NAVD88) from which NGS Monument HGCS D 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 65°57'16" E, a distance of 24,317.12' (8,754.16 Varas);

(L157) N29°05'12"E, a distance of 39.28' (14.14 Varas);
(L158) S16°42'32"E, a distance of 34.08' (12.27 Varas);
(L159) S53°37'22"W, a distance of 12.93' (4.65 Varas);
(L160) N72°03'16"W, a distance of 19.43' (6.99 Varas); to the **Point of Beginning;**

Artificial Build up / Fill No. 11:

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Beginning on Artificial Build up / Fill No. 11, having coordinates of (N: 13,636,016.2', E: 3,241,676.6', ELEV: 1.1' NAVD88) from which NGS Monument HGCS D 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 66°36'24" E, a distance of 24,458.21' (8,804.96 Varas);

- (L161) N81°37'06"E, a distance of 101.83' (36.66 Varas);
- (L162) N88°08'03"E, a distance of 20.58' (7.41 Varas);
- (L163) S02°37'11"W, a distance of 5.01' (1.80 Varas);
- (L164) S75°31'10"E, a distance of 20.36' (7.33 Varas);
- (L165) N68°46'27"E, a distance of 18.49' (6.66 Varas);
- (L166) S62°01'01"E, a distance of 18.78' (6.76 Varas);
- (L167) N63°33'59"E, a distance of 13.26' (4.77 Varas);
- (L168) S61°42'16"E, a distance of 32.36' (11.65 Varas);
- (L169) N62°24'28"E, a distance of 21.48' (7.73 Varas);
- (L170) N49°24'52"E, a distance of 25.57' (9.21 Varas);
- (L171) N61°55'54"E, a distance of 33.14' (11.93 Varas);
- (L172) S89°42'45"E, a distance of 12.96' (4.67 Varas);
- (L173) S07°55'05"E, a distance of 10.85' (3.91 Varas);
- (L174) S20°30'48"W, a distance of 30.69' (11.05 Varas);
- (L175) S23°57'25"E, a distance of 15.73' (5.66 Varas);
- (L176) S74°47'26"E, a distance of 14.83' (5.34 Varas);
- (L177) S26°42'51"E, a distance of 8.60' (3.10 Varas);
- (L178) S40°29'48"W, a distance of 13.26' (4.77 Varas);
- (L179) S16°29'21"E, a distance of 38.50' (13.86 Varas);
- (L180) S44°37'30"E, a distance of 19.61' (7.06 Varas);
- (L181) N78°46'24"W, a distance of 29.87' (10.75 Varas);
- (L182) S56°39'02"W, a distance of 53.46' (19.25 Varas);
- (L183) S81°19'00"W, a distance of 117.24' (42.21 Varas);
- (L184) N56°07'19"W, a distance of 111.32' (40.08 Varas);
- (L185) N32°43'42"W, a distance of 82.79' (29.80 Varas); to the **Point of Beginning**;

Artificial Build up / Fill No. 12:

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Beginning on Artificial Build up / Fill No. 12, having coordinates of (N: 13,636,252.9' , E: 3,241,680.5', ELEV: 1.1' NAVD88) from which NGS Monument HGCSO 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 67°06'51" E, a distance of 24,361.66' (8,770.20 Varas);

- (L186) S58°10'17"W, a distance of 15.85' (5.71 Varas);
- (L187) S70°11'37"W, a distance of 12.22' (4.40 Varas);
- (L188) N84°57'36"W, a distance of 10.35' (3.73 Varas);
- (L189) S41°48'34"W, a distance of 12.41' (4.47 Varas);
- (L190) S23°18'05"W, a distance of 44.92' (16.17 Varas);
- (L191) N81°34'14"W, a distance of 21.02' (7.57 Varas);
- (L192) S79°43'52"W, a distance of 7.69' (2.77 Varas);
- (L193) S02°43'14"E, a distance of 8.01' (2.88 Varas);
- (L194) S35°22'47"E, a distance of 5.69' (2.05 Varas);
- (L195) S07°33'24"W, a distance of 26.19' (9.43 Varas);
- (L196) N12°27'03"W, a distance of 29.20' (10.51 Varas);
- (L197) S36°43'47"W, a distance of 57.36' (20.65 Varas);
- (L198) N39°29'44"W, a distance of 56.10' (20.20 Varas);
- (L199) N05°38'03"W, a distance of 44.84' (16.14 Varas);
- (L200) N24°47'08"E, a distance of 52.31' (18.83 Varas);
- (L201) N47°29'45"W, a distance of 23.76' (8.55 Varas);
- (L202) N74°53'00"W, a distance of 142.72' (51.38 Varas);
- (L204) S85°51'32"W, a distance of 41.68' (15.00 Varas);
- (L205) S42°43'20"E, a distance of 38.77' (13.96 Varas);
- (L206) N77°51'44"E, a distance of 34.86' (12.55 Varas);
- (L207) S59°18'36"E, a distance of 65.50' (23.58 Varas);
- (L208) S02°25'28"E, a distance of 52.65' (18.95 Varas);
- (L209) S46°21'15"W, a distance of 42.28' (15.22 Varas);
- (L210) S31°36'24"E, a distance of 111.73' (40.22 Varas);
- (L211) S15°13'14"W, a distance of 43.28' (15.58 Varas);
- (L212) S68°28'42"W, a distance of 37.81' (13.61 Varas);
- (L213) S38°51'38"E, a distance of 48.17' (17.34 Varas);
- (L214) S64°50'31"E, a distance of 144.08' (51.87 Varas);
- (L215) S27°38'15"E, a distance of 98.21' (35.36 Varas);
- (L216) N37°36'23"W, a distance of 49.53' (17.83 Varas);
- (L217) N51°56'33"W, a distance of 38.55' (13.88 Varas);
- (L218) N88°59'25"W, a distance of 17.88' (6.44 Varas);
- (L219) S37°18'01"W, a distance of 38.74' (13.95 Varas);
- (L220) S07°53'47"E, a distance of 38.25' (13.77 Varas);
- (L221) N86°37'36"W, a distance of 35.20' (12.67 Varas);
- (L222) S38°00'21"W, a distance of 52.65' (18.95 Varas);
- (L223) S30°13'53"E, a distance of 23.23' (8.36 Varas);

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- (L224) S10°15'18"W, a distance of 33.61' (12.10 Varas);
- (L225) S39°15'31"W, a distance of 33.94' (12.22 Varas);
- (L226) S87°59'28"W, a distance of 9.70' (3.49 Varas);
- (L227) N42°10'09"W, a distance of 82.48' (29.69 Varas);
- (L228) N30°07'50"W, a distance of 39.11' (14.08 Varas);
- (L229) N06°49'54"W, a distance of 26.13' (9.41 Varas);
- (L230) N53°55'13"W, a distance of 45.91' (16.53 Varas);
- (L231) S84°04'52"W, a distance of 17.96' (6.47 Varas);
- (L232) N05°15'16"E, a distance of 58.56' (21.08 Varas);
- (L233) N20°10'59"W, a distance of 49.97' (17.99 Varas);
- (L234) N40°52'52"E, a distance of 36.17' (13.02 Varas);
- (L235) N78°56'33"E, a distance of 46.46' (16.73 Varas);
- (L236) N16°19'14"W, a distance of 33.91' (12.21 Varas);
- (L237) N60°41'34"W, a distance of 48.73' (17.54 Varas);
- (L238) N47°09'29"W, a distance of 63.32' (22.80 Varas);
- (L239) N11°05'19"W, a distance of 28.23' (10.16 Varas);
- (L240) N89°34'24"E, a distance of 15.98' (5.75 Varas);
- (L241) N07°02'44"E, a distance of 28.88' (10.40 Varas);
- (L242) N34°09'07"W, a distance of 51.98' (18.71 Varas);
- (L243) S36°39'02"E, a distance of 54.71' (19.70 Varas);
- (L244) N49°24'01"E, a distance of 23.51' (8.46 Varas);
- (L245) N13°00'56"W, a distance of 22.01' (7.92 Varas);
- (L246) N59°52'11"W, a distance of 72.89' (26.24 Varas);
- (L247) N28°12'10"W, a distance of 42.19' (15.19 Varas);
- (L248) N42°43'02"E, a distance of 17.50' (6.30 Varas);
- (L249) S79°56'28"W, a distance of 56.45' (20.32 Varas);
- (L250) N62°11'41"W, a distance of 15.47' (5.57 Varas);
- (L251) S72°04'06"E, a distance of 11.99' (4.32 Varas);
- (L252) N64°12'02"E, a distance of 32.13' (11.57 Varas);
- (L253) N49°57'07"E, a distance of 33.54' (12.07 Varas);
- (L254) N41°36'47"E, a distance of 26.52' (9.55 Varas);
- (L255) N76°15'17"E, a distance of 15.66' (5.64 Varas);
- (L256) N87°00'51"E, a distance of 13.61' (4.90 Varas);
- (L257) S71°56'22"E, a distance of 16.31' (5.87 Varas);
- (L258) S41°41'53"E, a distance of 14.61' (5.26 Varas);
- (L259) S06°54'42"E, a distance of 20.38' (7.34 Varas);
- (L260) S32°16'22"E, a distance of 10.52' (3.79 Varas);
- (L261) N84°48'29"E, a distance of 16.40' (5.90 Varas);
- (L262) N01°10'58"W, a distance of 19.33' (6.96 Varas);
- (L263) N41°35'29"E, a distance of 11.85' (4.27 Varas);
- (L264) N79°59'38"E, a distance of 16.33' (5.88 Varas);
- (L265) S81°24'12"E, a distance of 15.66' (5.64 Varas);
- (L266) S75°26'38"E, a distance of 53.72' (19.34 Varas);

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(L267) S79°47'49"E, a distance of 17.61' (6.34 Varas);
(L268) S81°48'15"E, a distance of 34.36' (12.37 Varas);
(L269) S80°07'54"E, a distance of 31.65' (11.39 Varas);
(L270) S83°47'19"E, a distance of 20.74' (7.47 Varas);
(L271) S24°40'20"E, a distance of 16.29' (5.86 Varas);
(L272) S16°08'30"E, a distance of 11.83' (4.26 Varas);
(L273) S20°31'40"W, a distance of 10.19' (3.67 Varas);
(L274) S56°45'59"E, a distance of 9.44' (3.40 Varas);
(L275) S40°17'30"E, a distance of 24.92' (8.97 Varas);
(L276) S78°43'05"E, a distance of 9.61' (3.46 Varas);
(L277) N73°37'20"E, a distance of 17.77' (6.40 Varas);
(L278) N62°33'37"E, a distance of 18.40' (6.62 Varas);
(L279) S67°28'53"E, a distance of 18.20' (6.55 Varas);
(L280) N35°20'25"E, a distance of 16.10' (5.80 Varas);
(L281) N82°38'06"E, a distance of 12.65' (4.55 Varas);
(L282) N54°21'44"E, a distance of 14.90' (5.36 Varas);
(L283) N06°17'18"E, a distance of 7.43' (2.67 Varas);
(L284) N06°28'55"W, a distance of 9.99' (3.60 Varas);
(L285) N70°08'56"E, a distance of 13.82' (4.98 Varas);
(L286) S73°24'35"E, a distance of 13.56' (4.88 Varas);
(L287) S12°37'01"E, a distance of 9.17' (3.30 Varas);
(L288) S06°49'00"W, a distance of 11.83' (4.26 Varas);
(L289) S23°48'49"E, a distance of 13.92' (5.01 Varas) to the **Point of Beginning;**

Artificial Build up / Fill No. 13:

Beginning on Artificial Build up / Fill No. 13, having coordinates of (N: 13,636,234.3', E: 3,241,160.7', ELEV: 1.1' NAVD88) from which NGS Monument HGCS D 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 67°32'26" E, a distance of 24,848.41' (8,945.43 Varas);

(L290) N63°57'50"E, a distance of 50.89' (18.32 Varas);
(L291) S53°01'24"E, a distance of 64.87' (23.35 Varas);
(L292) S36°39'02"E, a distance of 8.01' (2.88 Varas);
(L293) N57°58'52"W, a distance of 64.76' (23.31 Varas);
(L294) S62°28'49"W, a distance of 36.51' (13.14 Varas);
(L295) N69°26'54"W, a distance of 16.06' (5.78 Varas) to the **Point of Beginning;**

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Artificial Build up / Fill No. 14:

Beginning on Artificial Build up / Fill No. 14, having coordinates of (N: 13,636,334.3', E: 3,241,143.4', ELEV: 1.1' NAVD88) from which NGS Monument HGCSD 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 67°46'09" E, a distance of 24,826.46' (8,937.53 Varas);

- (L296) S18°31'00"E, a distance of 42.51' (15.30 Varas);
- (L297) N62°11'41"W, a distance of 12.69' (4.57 Varas);
- (L298) S80°08'53"W, a distance of 77.09' (27.75 Varas);
- (L299) N66°38'54"W, a distance of 154.50' (55.62 Varas);
- (L300) N81°11'33"W, a distance of 47.61' (17.14 Varas);
- (L301) N15°27'16"W, a distance of 29.98' (10.79 Varas);
- (L302) S85°38'13"E, a distance of 22.87' (8.23 Varas);
- (L303) N42°59'29"E, a distance of 24.39' (8.78 Varas);
- (L304) N23°48'48"E, a distance of 61.52' (22.15 Varas);
- (L305) N86°28'56"E, a distance of 32.29' (11.62 Varas);
- (L306) S03°53'20"W, a distance of 1.22' (0.44 Varas);
- (L307) S67°17'44"W, a distance of 26.64' (9.59 Varas);
- (L308) S14°15'14"W, a distance of 19.22' (6.92 Varas);
- (L309) S17°16'29"W, a distance of 12.67' (4.56 Varas);
- (L310) S28°23'06"E, a distance of 15.54' (5.59 Varas);
- (L311) S24°02'20"W, a distance of 13.80' (4.97 Varas);
- (L312) S56°04'40"W, a distance of 15.95' (5.74 Varas);
- (L313) S02°37'12"E, a distance of 22.77' (8.20 Varas);
- (L314) S82°53'00"E, a distance of 33.13' (11.93 Varas);
- (L315) N86°00'01"E, a distance of 34.87' (12.55 Varas);
- (L316) S65°36'09"E, a distance of 9.92' (3.57 Varas);
- (L317) S78°07'21"E, a distance of 25.14' (9.05 Varas);
- (L318) S85°49'59"E, a distance of 35.08' (12.63 Varas);
- (L319) S77°06'59"E, a distance of 30.86' (11.11 Varas);
- (L320) N84°08'01"E, a distance of 19.99' (7.20 Varas);
- (L321) S79°39'15"E, a distance of 31.92' (11.49 Varas); to the **Point of Beginning**;

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Artificial Build up / Fill No. 15:

Beginning on Artificial Build up / Fill No. 15, having coordinates of (N: 13,636,520.7', E: 3,241,251.3', ELEV: 1.1' NAVD88) from which NGS Monument HGCS D 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 68°04'31" E, a distance of 24,656.41' (8,876.31 Varas);

(L322) S24°32'18"E, a distance of 11.02' (3.97 Varas);
(L323) S05°41'52"E, a distance of 11.20' (4.03 Varas);
(L324) S37°07'11"W, a distance of 8.26' (2.97 Varas);
(L325) S75°55'31"W, a distance of 21.67' (7.80 Varas);
(L326) N80°19'36"W, a distance of 8.03' (2.89 Varas);
(L327) N36°29'45"W, a distance of 6.68' (2.40 Varas);
(L328) S64°54'35"W, a distance of 4.62' (1.66 Varas);
(L329) N39°40'50"W, a distance of 6.64' (2.39 Varas);
(L330) N72°27'14"W, a distance of 2.37' (0.85 Varas);
(L331) N40°21'21"E, a distance of 5.09' (1.83 Varas);
(L332) S79°50'27"E, a distance of 27.19' (9.79 Varas);
(L333) N28°45'41"E, a distance of 26.65' (9.59 Varas) to the **Point of Beginning**;

Artificial Build up / Fill No. 16:

Beginning on Artificial Build up / Fill No. 16, having coordinates of (N: 13,636,627.6', E: 3,241,342.5', ELEV: 1.1' NAVD88) from which NGS Monument HGCS D 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 68°13'38" E, a distance of 24,531.93' (8,831.49 Varas);

(L334) S87°13'43"W, a distance of 15.91' (5.73 Varas);
(L335) S55°18'06"W, a distance of 30.60' (11.02 Varas);
(L336) S04°00'59"W, a distance of 10.32' (3.72 Varas);
(L337) S29°47'36"W, a distance of 12.63' (4.55 Varas);
(L338) S19°45'01"E, a distance of 11.24' (4.05 Varas);
(L339) S04°20'26"E, a distance of 7.87' (2.83 Varas);
(L340) S41°25'10"W, a distance of 9.05' (3.26 Varas);
(L341) N78°20'44"W, a distance of 11.48' (4.13 Varas);
(L342) S70°57'30"W, a distance of 7.73' (2.78 Varas);
(L343) N28°45'41"E, a distance of 5.54' (1.99 Varas);
(L344) N10°08'58"W, a distance of 46.53' (16.75 Varas);
(L345) N66°09'15"E, a distance of 49.82' (17.94 Varas);
(L346) S78°06'05"E, a distance of 28.78' (10.36 Varas) to the **Point of Beginning**;

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Artificial Build up / Fill No. 17:

Beginning on Artificial Build up / Fill No. 17, having coordinates of (N: 13,636,666.6', E: 3,241,539.9', ELEV: 1.1' NAVD88) from which NGS Monument HGCS D 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 68°08'24" E, a distance of 24,334.24' (8,760.33 Varas);

- (L347) S30°31'01"W, a distance of 12.86' (4.63 Varas);
- (L348) S16°06'17"W, a distance of 4.39' (1.58 Varas);
- (L349) S39°38'34"W, a distance of 6.04' (2.17 Varas);
- (L350) S61°37'38"E, a distance of 31.02' (11.17 Varas);
- (L351) S15°25'36"E, a distance of 14.03' (5.05 Varas);
- (L352) S09°38'42"W, a distance of 11.65' (4.19 Varas);
- (L353) S59°21'11"W, a distance of 10.11' (3.64 Varas);
- (L354) S55°57'51"W, a distance of 24.49' (8.82 Varas);
- (L355) S23°23'40"W, a distance of 14.78' (5.32 Varas);
- (L356) S68°54'38"W, a distance of 10.60' (3.82 Varas);
- (L357) N79°03'22"W, a distance of 13.29' (4.78 Varas);
- (L358) N38°38'53"W, a distance of 9.91' (3.57 Varas);
- (L359) N16°54'00"W, a distance of 11.68' (4.20 Varas);
- (L360) N21°36'43"E, a distance of 13.71' (4.94 Varas);
- (L361) N46°43'20"W, a distance of 12.09' (4.35 Varas);
- (L362) N78°55'25"W, a distance of 13.09' (4.71 Varas);
- (L363) N27°53'45"W, a distance of 11.34' (4.08 Varas);
- (L364) N83°51'07"W, a distance of 13.08' (4.71 Varas);
- (L365) S80°27'32"W, a distance of 10.18' (3.66 Varas);
- (L366) N56°47'57"W, a distance of 11.86' (4.27 Varas);
- (L367) N72°08'37"W, a distance of 16.44' (5.92 Varas);
- (L368) S77°39'48"W, a distance of 15.85' (5.71 Varas);
- (L369) S39°14'12"W, a distance of 17.31' (6.23 Varas);
- (L370) S78°04'50"W, a distance of 11.30' (4.07 Varas);
- (L371) N64°22'22"W, a distance of 13.14' (4.73 Varas);
- (L372) N71°29'09"E, a distance of 54.71' (19.70 Varas);
- (L373) S83°01'23"E, a distance of 61.58' (22.17 Varas);
- (L374) N48°01'39"E, a distance of 41.11' (14.80 Varas);
- (L375) N66°16'11"E, a distance of 19.75' (7.11 Varas);
- (L376) S74°50'26"E, a distance of 8.41' (3.03 Varas); to the **Point of Beginning**;

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Artificial Build up / Fill No. 18:

Beginning on Artificial Build up / Fill No. 18, having coordinates of (N: 13,636,613.9', E: 3,241,769.1', ELEV: 1.1' NAVD88) from which NGS Monument HGCS D 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 67°49'18" E, a distance of 24,141.49' (8,690.94 Varas);

- (L377) N76°18'47"W, a distance of 10.20' (3.67 Varas);
- (L378) N33°00'17"W, a distance of 14.61' (5.26 Varas);
- (L379) N50°13'35"W, a distance of 25.41' (9.15 Varas);
- (L380) N58°52'45"W, a distance of 7.00' (2.52 Varas);
- (L381) N65°55'30"W, a distance of 8.12' (2.92 Varas);
- (L382) N73°11'27"W, a distance of 4.01' (1.44 Varas);
- (L383) S87°00'38"E, a distance of 12.36' (4.45 Varas);
- (L384) S47°47'45"E, a distance of 57.12' (20.56 Varas) to the **Point of Beginning**;

Artificial Build up / Fill No. 19:

Beginning on Artificial Build up / Fill No. 19, having coordinates of (N: 13,636,527.9', E: 3,241,857.1', ELEV: 1.1' NAVD88) from which NGS Monument HGCS D 62 (N: 13,645,727.12', E: 3,264,124.40', ELEV: 6.3) bears N 67°33'11" E, a distance of 24,092.72' (8,673.38 Varas);

- (L385) S63°22'29"W, a distance of 10.12' (3.64 Varas);
- (L386) S77°29'28"W, a distance of 13.38' (4.82 Varas);
- (L387) S65°22'39"W, a distance of 9.93' (3.57 Varas);
- (L388) S83°36'01"W, a distance of 11.25' (4.05 Varas);
- (L389) N62°30'27"W, a distance of 20.03' (7.21 Varas);
- (L390) N70°41'48"W, a distance of 14.46' (5.21 Varas);
- (L391) N48°59'38"W, a distance of 13.31' (4.79 Varas);
- (L392) N30°44'25"W, a distance of 13.05' (4.70 Varas);
- (L393) N13°59'43"E, a distance of 13.20' (4.75 Varas);
- (L394) N00°12'00"W, a distance of 12.32' (4.44 Varas);
- (L395) N09°58'31"E, a distance of 11.96' (4.31 Varas);
- (L396) N05°03'48"W, a distance of 13.80' (4.97 Varas);
- (L397) N01°07'10"E, a distance of 12.57' (4.53 Varas);
- (L398) S47°47'45"E, a distance of 2.96' (1.07 Varas);
- (L399) S08°24'21"E, a distance of 66.38' (23.90 Varas);

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(L400) S46°56'02"E, a distance of 25.14' (9.05 Varas);

(L401) N89°31'43"E, a distance of 55.94' (20.14 Varas); to the **Point of Beginning**;

James M. Naismith, RPLS, LSLS No. 4828

JMN → 9/27/2024
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