

NOTES:

- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#4205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.0000330 AND CONVERGENCE ANGLE IS +00° 27' 37".
- COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT:
NGS MONUMENT "DP0723 877 5244 A" (PUBLISHED)
N: 17,192,410.33'
E: 1,311,878.51'
ELEV: 8.90' NAVD88
- ALL OTHER MONUMENTS ARE REFERENCED AS MEASURED AND SHOWN HEREON.
- ALL POSITIONS AND ELEVATIONS RECORDED USING SURVEY GRADE, RTK GPS. EQUIPMENT: TRIMBLE R8R10.
- THE LITTORAL BOUNDARY IS BASED ON THE MEAN HIGH WATER (MHW) CONTOUR. MHW ELEVATION OF 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON (8775296), CORPUS CHRISTI, TX, AND (8775244), NUECES BAY, TEXAS.
- TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
- REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 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 SAN PATRICIO COUNTY CENTRAL APPRAISAL DISTRICT.
- NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE 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

Instrument #2023020354, Official Public Records of Nueces County, Texas.
Instrument #733377, Official Public Records of San Patricio County, Texas.

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 21, 2022
SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ

JMS 7/6/2023
JAMES M. NAISMITH RPLS, LLSL

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

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

COVERPAGE
NOT TO SCALE

DRAWN BY:	CDW	APPROVED BY:	JMN
DATE:	04/10/2023	JOB NO.:	2022.1784
DRAWING NAME:	PCCA-CBS_NUECES_BAY_21DEC2022_FINAL		
PROJECTION:	TEXAS SOUTH ZONE		
GEO. DATUM:	NAD83 (2011) VERT. DATUM: NAVD88		
GRID UNITS:	US SURVEY FEET		
SHEET NO.:	1	OF	28

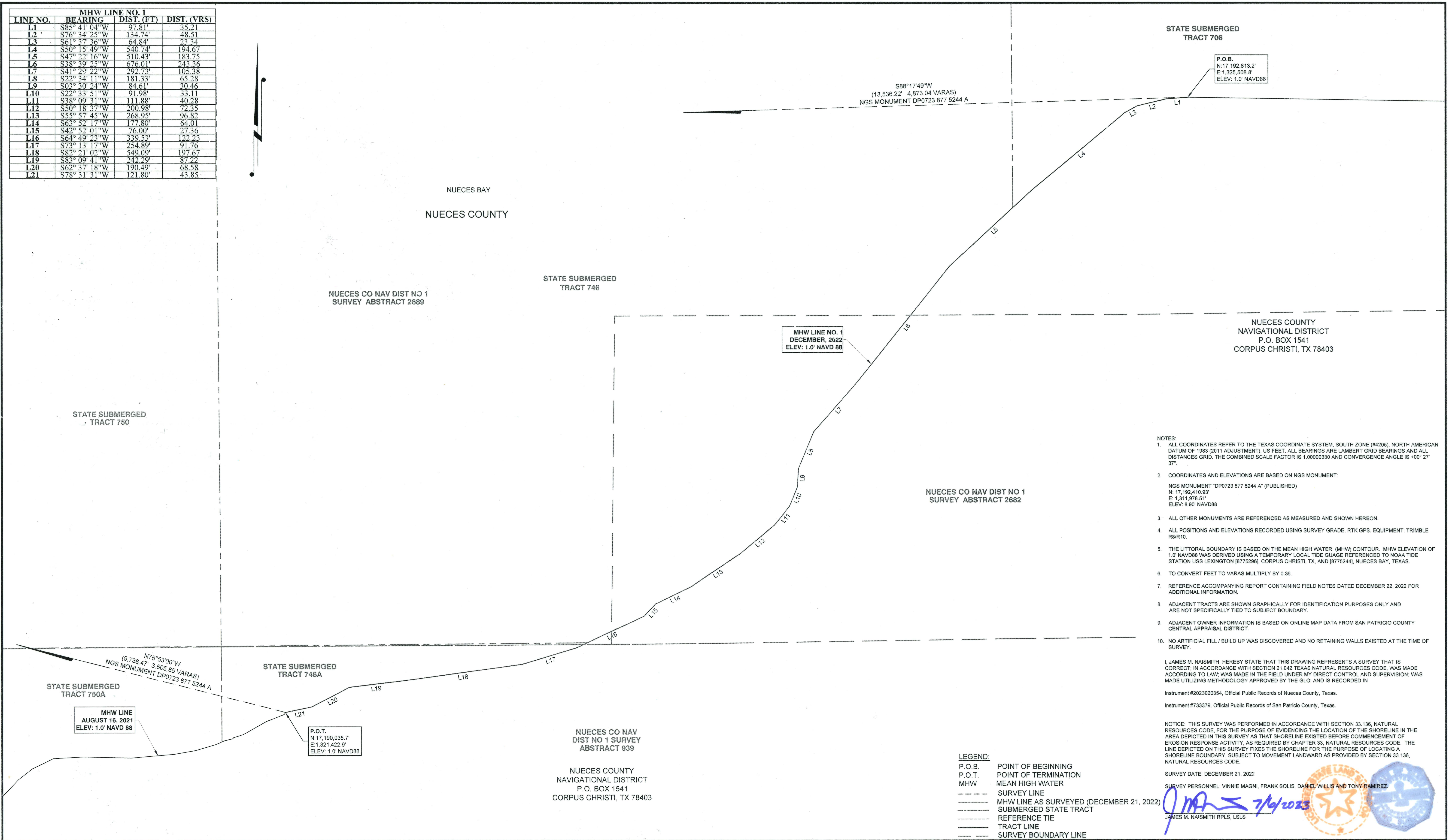
COASTAL BOUNDARY SURVEY
NUECES COUNTY & SAN PATRICIO COUNTY

Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A, Nueces County and San Patricio County, Texas.

SAN PAT. 10 97294

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1	S85° 41' 04" W	97.81'	35.21
L2	S76° 34' 25" W	134.74'	48.51
L3	S61° 37' 36" W	64.84'	23.34
L4	S50° 15' 49" W	540.74'	194.67
L5	S47° 22' 16" W	510.43'	183.75
L6	S38° 39' 25" W	676.01'	243.36
L7	S41° 29' 22" W	292.73'	105.38
L8	S22° 34' 11" W	181.33'	65.28
L9	S03° 30' 24" W	84.61'	30.46
L10	S22° 33' 51" W	91.98'	33.11
L11	S38° 09' 31" W	111.88'	40.28
L12	S50° 18' 37" W	200.98'	72.35
L13	S55° 57' 45" W	268.95'	96.82
L14	S63° 52' 17" W	177.80'	64.01
L15	S42° 52' 01" W	76.00'	27.36
L16	S64° 49' 23" W	339.53'	122.23
L17	S73° 13' 17" W	254.89'	91.76
L18	S82° 21' 02" W	549.09'	197.67
L19	S83° 09' 41" W	242.29'	87.22
L20	S62° 37' 18" W	190.49'	68.58
L21	S78° 31' 31" W	121.80'	43.85

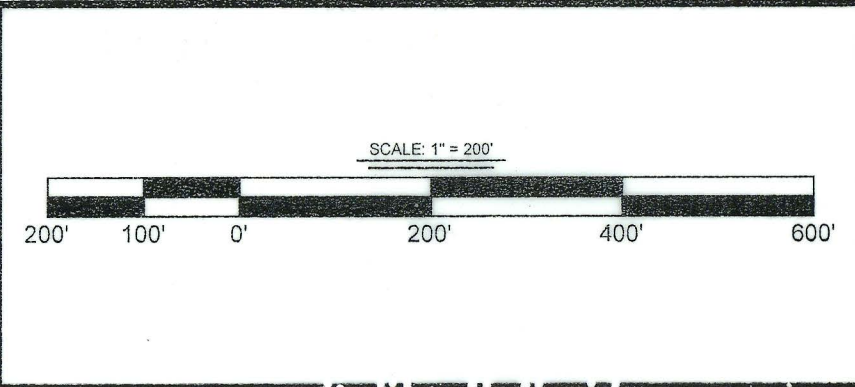
11/29/2022 - PLY-20221202 - 17841DWG12-4.5-2023IPCCA-CBS_NUECES BAY_21DEC2022_FINAL.DWG



- CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MCY DREDGED MATERIAL TO:
- COMBAT EROSION BY PROVIDING 395 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 2000' BREAKWATER (TO TIE INTO THE CURRENTLY PLANNED 4000' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 8.2 FT/YR.
 - NOURISH DEGRADED HABITAT BY CONVERTING 208 ACRES OF OPEN WATER INTO ESTUARINE MARSH.
 - CREATE 120 ACRES OF AN INTERTIDAL LIVING SHORELINE TO PROVIDE SHORELINE PROTECTION AND PREVENT ROAD OVERTOPPING IN THE HORSESHOE.
 - BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITL. WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

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

T. BAKER SMITH
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(361)334-5719 - tbsmith.com
TBPLS #10194575



DRAWN BY: CDW	APPROVED BY: JMN
DATE: 04/10/2023	JOB NO: 2022.1784
DRAWING NAME: PCCA-CBS_NUECES BAY_21DEC2022_FINAL	
PROJECTION: TEXAS SOUTH ZONE	
GEO. DATUM: NAD83 (2011) VERT. DATUM: NAVD88	
GRID UNITS: US SURVEY FEET	
SHEET NO: 2	OF 28

COASTAL BOUNDARY SURVEY
NUECES COUNTY & SAN PATRICIO COUNTY

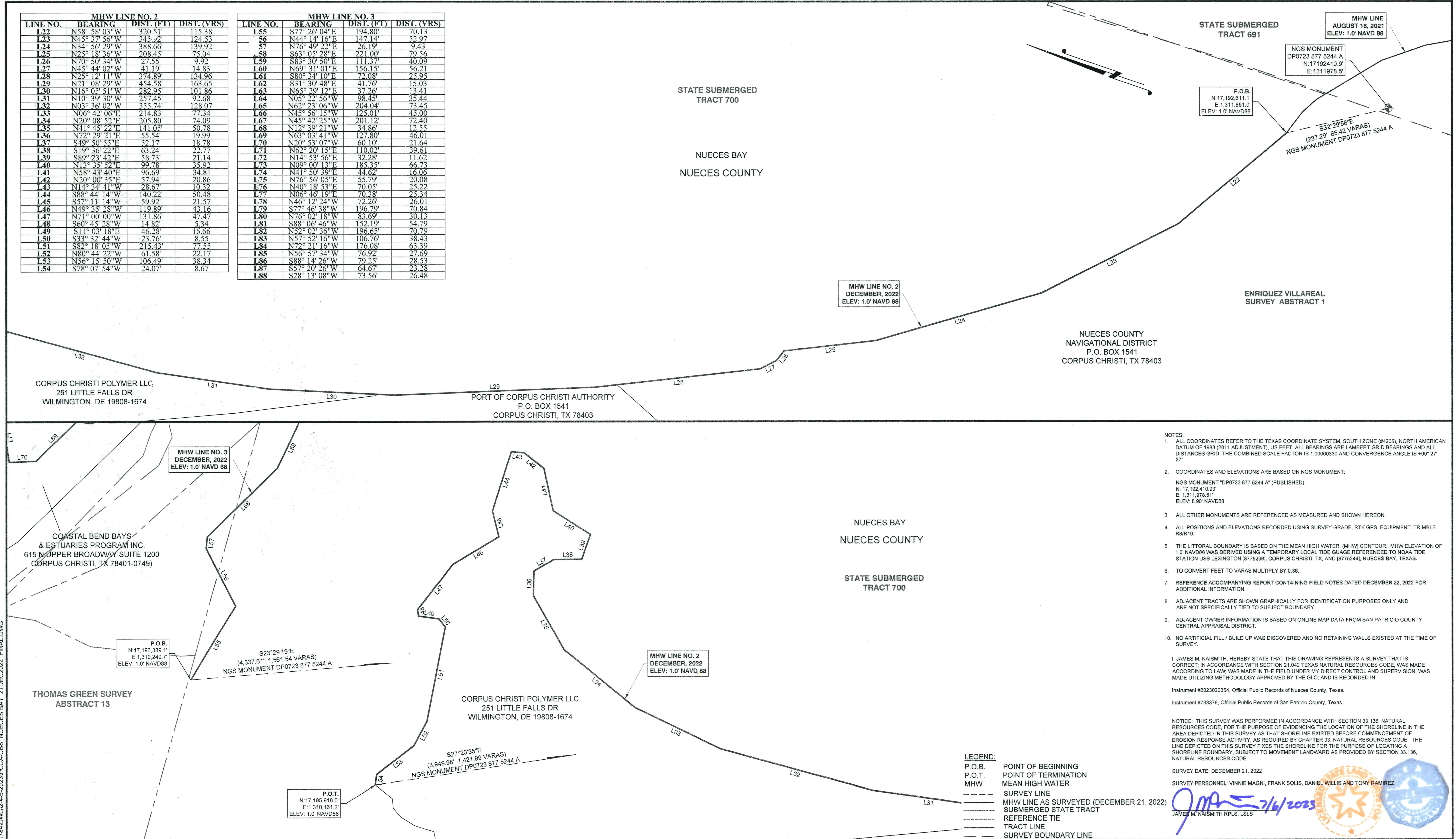
Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A, Nueces County and San Patricio County, Texas.

- NOTES:
1. ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.00000330 AND CONVERGENCE ANGLE IS +00° 27' 37".
 2. COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT:
NGS MONUMENT "DP0723 877 5244 A" (PUBLISHED)
N: 17,192,410.93
E: 1,311,978.51
ELEV: 8.90' NAVD88
 3. ALL OTHER MONUMENTS ARE REFERENCED AS MEASURED AND SHOWN HEREON.
 4. ALL POSITIONS AND ELEVATIONS RECORDED USING SURVEY GRADE, RTK GPS. EQUIPMENT: TRIMBLE R8/R10.
 5. THE LITTORAL BOUNDARY IS BASED ON THE MEAN HIGH WATER (MHW) CONTOUR. MHW ELEVATION OF 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON [8775298], CORPUS CHRISTI, TX, AND [8775244], NUECES BAY, TEXAS.
 6. TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 7. REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 FOR ADDITIONAL INFORMATION.
 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 SAN PATRICIO COUNTY CENTRAL APPRAISAL DISTRICT.
 10. NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE 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
Instrument #2023020354, Official Public Records of Nueces County, Texas.
Instrument #733379, Official Public Records of San Patricio County, Texas.
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- SURVEY DATE: DECEMBER 21, 2022
SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ
JAMES M. NAISMITH RPLS, LLSL

SANDAT.10 97294 ②

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L22	N58° 38' 03"W	320.51'	115.38'
L23	N45° 37' 56"W	345.22'	124.53'
L24	N34° 56' 29"W	388.66'	139.92'
L25	N25° 18' 36"W	208.45'	75.04'
L26	N70° 50' 34"W	27.55'	9.92'
L27	N45° 44' 02"W	41.19'	14.83'
L28	N25° 12' 11"W	374.89'	134.96'
L29	N21° 08' 29"W	454.58'	163.65'
L30	N16° 05' 51"W	282.95'	101.86'
L31	N10° 39' 30"W	257.45'	92.68'
L32	N03° 36' 02"W	355.74'	128.07'
L33	N06° 42' 06"E	214.83'	77.34'
L34	N20° 08' 52"E	205.80'	74.09'
L35	N41° 45' 22"E	141.05'	50.78'
L36	N72° 29' 21"E	55.54'	19.99'
L37	S49° 50' 55"E	52.17'	18.78'
L38	S19° 36' 22"E	63.24'	22.77'
L39	S89° 23' 42"E	58.73'	21.14'
L40	N13° 35' 52"E	99.78'	35.92'
L41	N58° 43' 40"E	96.69'	34.81'
L42	N20° 00' 35"E	57.94'	20.86'
L43	N14° 34' 41"W	28.67'	10.32'
L44	S88° 44' 14"W	140.22'	50.48'
L45	S57° 11' 14"W	59.92'	21.57'
L46	N49° 53' 28"W	119.89'	43.16'
L47	N71° 00' 00"W	131.86'	47.47'
L48	S60° 45' 28"W	14.82'	5.34'
L49	S11° 03' 18"E	46.28'	16.66'
L50	S33° 32' 44"W	23.76'	8.55'
L51	S82° 18' 05"W	215.43'	77.55'
L52	N80° 44' 22"W	61.58'	22.17'
L53	N56° 15' 50"W	106.49'	38.34'
L54	S78° 07' 54"W	24.07'	8.67'

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L55	S77° 26' 04"E	194.80'	70.13'
L56	N44° 14' 16"E	147.14'	52.97'
L57	N76° 49' 22"E	26.19'	9.43'
L58	S63° 05' 28"E	221.00'	79.56'
L59	S83° 30' 50"E	111.37'	40.09'
L60	N69° 31' 01"E	156.15'	56.21'
L61	S80° 34' 10"E	72.08'	25.95'
L62	S31° 30' 48"E	41.76'	15.03'
L63	N65° 29' 12"E	37.26'	13.41'
L64	N05° 22' 56"W	98.45'	35.44'
L65	N62° 23' 06"W	204.04'	73.45'
L66	N45° 56' 15"W	125.01'	45.00'
L67	N45° 42' 25"W	201.12'	72.40'
L68	N19° 39' 21"W	34.86'	12.55'
L69	N63° 03' 41"W	127.80'	46.01'
L70	N20° 53' 07"W	60.10'	21.64'
L71	N62° 20' 15"E	110.02'	39.61'
L72	N14° 53' 56"E	32.28'	11.62'
L73	N09° 00' 13"E	185.35'	66.73'
L74	N41° 50' 39"E	44.62'	16.06'
L75	N76° 56' 05"E	55.79'	20.08'
L76	N40° 18' 53"E	70.05'	25.22'
L77	N06° 46' 19"E	70.38'	25.34'
L78	N46° 12' 24"W	72.26'	26.01'
L79	S77° 46' 38"W	196.79'	70.84'
L80	N76° 02' 18"W	83.69'	30.13'
L81	S88° 06' 46"W	152.19'	54.79'
L82	N52° 02' 36"W	196.65'	70.79'
L83	N57° 52' 16"W	106.76'	38.43'
L84	N72° 21' 16"W	176.08'	63.39'
L85	N56° 57' 34"W	76.92'	27.69'
L86	S88° 14' 26"W	79.25'	28.53'
L87	S57° 20' 26"W	64.67'	23.28'
L88	S28° 13' 08"W	73.56'	26.48'



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SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ

JM 7/6/2023
JAMES M. NAISMITH RPLS, LLSL

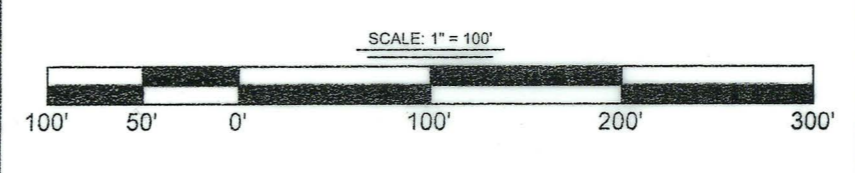
- LEGEND:
- P.O.B. POINT OF BEGINNING
 - P.O.T. POINT OF TERMINATION
 - MHW MEAN HIGH WATER
 - SURVEY LINE
 - MHW LINE AS SURVEYED (DECEMBER 21, 2022)
 - SUBMERGED STATE TRACT
 - REFERENCE TIE
 - TRACT LINE
 - SURVEY BOUNDARY LINE

CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MCY DREDGED MATERIAL TO:

- COMBAT EROSION BY PROVIDING 365 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 200' BREAKWATER (TO THE INTO THE CURRENTLY PLANNED 400' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 8.2 FT/YR.
- NOURISH DEGRADED HABITAT BY CONVERTING 208 ACRES OF OPEN WATER INTO ESTUARINE MARSH.
- CREATE 120 ACRES OF AN INTERTIDAL LIVING SHORELINE TO PROVIDE SHORELINE PROTECTION AND PREVENT ROAD OVERTOPPING IN THE HORSESHOE.
- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

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SHEET NO: 3	OF 28

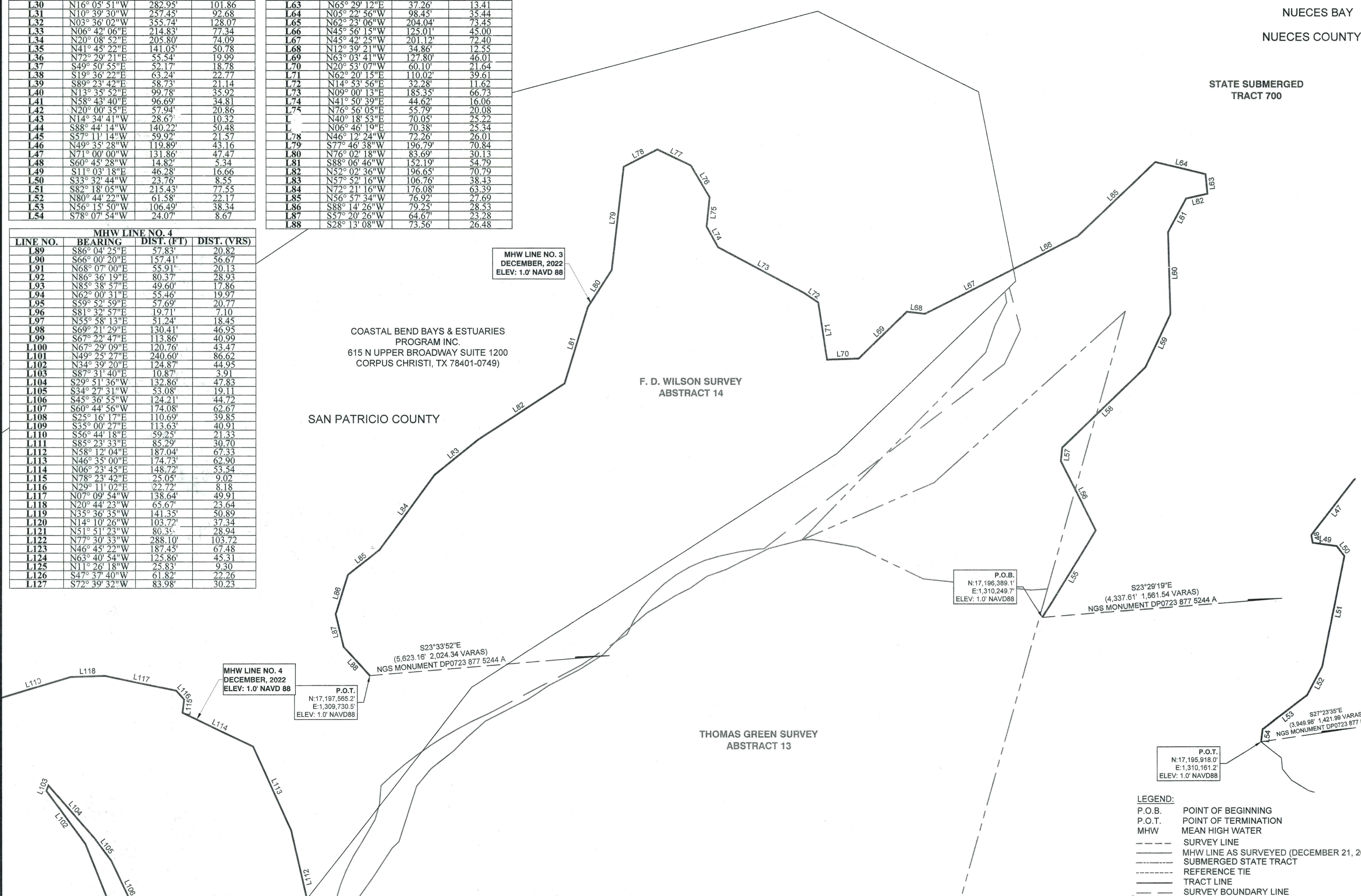
COASTAL BOUNDARY SURVEY
NUECES COUNTY & SAN PATRICIO COUNTY
Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A, Nueces County and San Patricio County, Texas.

SAN PAT. 10 97294

MHW LINE NO. 2			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L22	N58° 58' 03"W	320.51'	115.38
L23	N45° 37' 56"W	345.92'	124.53
L24	N34° 56' 29"W	388.66'	139.92
L25	N25° 18' 36"W	208.45'	75.04
L26	N70° 50' 34"W	27.55'	9.92
L27	N45° 44' 02"W	41.19'	14.83
L28	N25° 12' 11"W	374.89'	134.96
L29	N21° 08' 29"W	454.88'	163.65
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L31	N10° 39' 30"W	257.45'	92.68
L32	N03° 36' 02"W	355.74'	128.07
L33	N06° 42' 06"E	214.83'	77.34
L34	N20° 08' 52"E	205.80'	74.09
L35	N41° 45' 22"E	141.05'	50.78
L36	N72° 29' 21"E	55.54'	19.99
L37	S49° 50' 55"E	52.17'	18.78
L38	S19° 36' 22"E	63.24'	22.77
L39	S89° 23' 42"E	58.73'	21.14
L40	N13° 35' 52"E	99.78'	35.92
L41	N58° 43' 40"E	96.69'	34.81
L42	N20° 00' 35"E	57.94'	20.86
L43	N14° 34' 41"W	28.67'	10.32
L44	S88° 44' 14"W	140.32'	50.48
L45	S57° 11' 14"W	59.92'	21.57
L46	N49° 35' 28"W	119.89'	43.16
L47	N71° 00' 00"W	131.86'	47.47
L48	S60° 45' 28"W	14.82'	5.34
L49	S11° 03' 18"E	46.28'	16.66
L50	S33° 32' 44"W	23.76'	8.55
L51	S82° 18' 05"W	215.43'	77.55
L52	N80° 44' 22"W	61.58'	22.17
L53	N56° 15' 50"W	106.49'	38.34
L54	S78° 07' 54"W	24.07'	8.67

MHW LINE NO. 3			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L55	S77° 26' 04"E	194.80'	70.13
L56	N44° 14' 16"E	147.14'	52.97
L57	N76° 49' 22"E	26.19'	9.43
L58	S63° 05' 28"E	221.00'	79.56
L59	S83° 30' 50"E	111.37'	40.09
L60	N69° 31' 01"E	156.15'	56.21
L61	S80° 34' 10"E	72.08'	25.95
L62	S51° 30' 48"E	41.76'	15.03
L63	N65° 29' 12"E	37.26'	13.41
L64	N05° 22' 56"W	98.45'	35.44
L65	N62° 23' 06"W	204.04'	73.45
L66	N45° 56' 15"W	125.01'	45.00
L67	N45° 42' 25"W	201.12'	72.40
L68	N12° 39' 21"W	34.86'	12.55
L69	N63° 03' 41"W	127.80'	46.01
L70	N20° 53' 07"W	60.10'	21.64
L71	N62° 20' 15"E	110.02'	39.61
L72	N14° 53' 56"E	32.28'	11.62
L73	N09° 00' 13"E	185.35'	66.73
L74	N41° 50' 39"E	44.62'	16.06
L75	N76° 56' 05"E	55.79'	20.08
L76	N40° 18' 53"E	70.05'	25.22
L77	N06° 46' 19"E	70.38'	25.34
L78	N46° 12' 24"W	72.26'	26.01
L79	S77° 46' 38"W	196.79'	70.84
L80	N76° 02' 18"W	83.69'	30.13
L81	S88° 06' 46"W	152.19'	54.79
L82	N52° 02' 36"W	196.65'	70.79
L83	N57° 52' 16"W	106.76'	38.43
L84	N72° 21' 16"W	176.08'	63.39
L85	N56° 57' 34"W	76.92'	27.69
L86	S88° 14' 26"W	79.25'	28.53
L87	S57° 20' 26"W	64.67'	23.28
L88	S28° 13' 08"W	73.56'	26.48

MHW LINE NO. 4			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L89	S86° 04' 25"E	57.83'	20.82
L90	S66° 00' 20"E	157.41'	56.67
L91	N68° 07' 00"E	55.91'	20.13
L92	N86° 36' 19"E	80.37'	28.93
L93	N85° 38' 57"E	49.60'	17.86
L94	N62° 00' 31"E	55.46'	19.97
L95	S59° 52' 59"E	57.69'	20.77
L96	S81° 32' 57"E	19.71'	7.10
L97	N55° 58' 13"E	51.24'	18.45
L98	S69° 21' 29"E	130.41'	46.95
L99	S67° 22' 47"E	113.86'	40.99
L100	N67° 29' 09"E	120.76'	43.47
L101	N49° 25' 27"E	240.60'	86.62
L102	N34° 39' 20"E	124.87'	44.95
L103	S87° 31' 40"E	10.87'	3.91
L104	S29° 51' 36"W	132.86'	47.83
L105	S34° 27' 31"W	53.08'	19.11
L106	S45° 36' 55"W	124.21'	44.72
L107	S60° 44' 56"W	174.08'	62.67
L108	S23° 16' 17"E	110.69'	39.85
L109	S35° 00' 27"E	113.63'	40.91
L110	S56° 44' 18"E	59.25'	21.33
L111	S85° 23' 33"E	85.29'	30.70
L112	N58° 12' 04"E	187.04'	67.33
L113	N46° 35' 00"E	174.73'	62.90
L114	N06° 23' 45"E	148.72'	53.54
L115	N78° 23' 42"E	25.05'	9.02
L116	N29° 11' 02"E	22.72'	8.18
L117	N07° 09' 54"W	138.64'	49.91
L118	N20° 44' 23"W	65.67'	23.64
L119	N35° 36' 35"W	141.35'	50.89
L120	N14° 10' 26"W	103.72'	37.34
L121	N51° 51' 23"W	80.35'	28.94
L122	N77° 30' 33"W	288.10'	103.72
L123	N46° 45' 27"W	187.45'	67.48
L124	N63° 40' 54"W	125.86'	45.31
L125	N11° 26' 18"W	25.83'	9.30
L126	S47° 37' 40"W	61.82'	22.26
L127	S72° 39' 32"W	83.98'	30.23



NUECES BAY
NUECES COUNTY

STATE SUBMERGED
TRACT 700

COASTAL BEND BAYS & ESTUARIES
PROGRAM INC.
615 N UPPER BROADWAY SUITE 1200
CORPUS CHRISTI, TX 78401-0749)

F. D. WILSON SURVEY
ABSTRACT 14

SAN PATRICIO COUNTY

THOMAS GREEN SURVEY
ABSTRACT 13

- NOTES:
- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#4205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.00000330 AND CONVERGENCE ANGLE IS +00° 27' 37".
 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT:
NGS MONUMENT DP0723 877 5244 A (PUBLISHED)
N: 17,192,410.93'
E: 1,311,978.51'
ELEV: 8.90' 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 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON [8775296], CORPUS CHRISTI, TX, AND [8775244], NUECES BAY, TEXAS.
 - TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 - REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 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 SAN PATRICIO COUNTY CENTRAL APPRAISAL DISTRICT.
 - NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE 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
Instrument #2023020354, Official Public Records of Nueces County, Texas.
Instrument #733379, Official Public Records of San Patricio County, Texas.

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 21, 2022
SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ.

- LEGEND:
- P.O.B. POINT OF BEGINNING
 - P.O.T. POINT OF TERMINATION
 - MHW MEAN HIGH WATER
 - SURVEY LINE
 - MHW LINE AS SURVEYED (DECEMBER 21, 2022)
 - SUBMERGED STATE TRACT
 - REFERENCE TIE
 - TRACT LINE
 - SURVEY BOUNDARY LINE

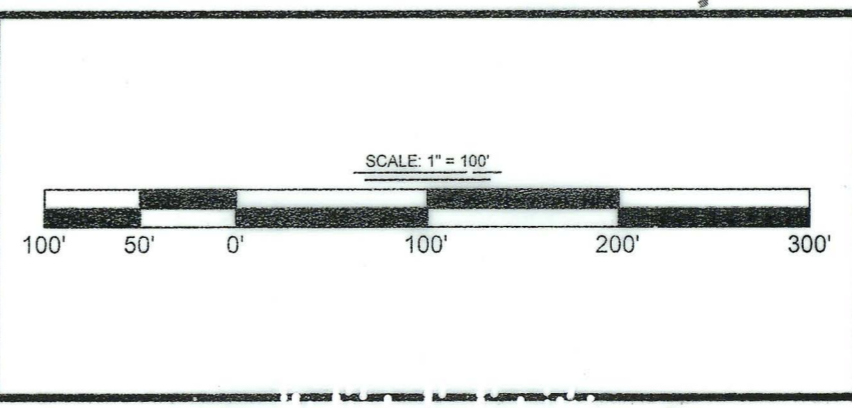
11/9/2022 - P:\Y-2022\2022-1784DWG\2-4-5-2023\PCCA-CBS-NUECES BAY_21DEC2022_FINAL.DWG

CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MCY DREDGED MATERIAL TO:

- COMBAT EROSION BY PROVIDING 395 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 2000' BREAKWATER (TO TIE INTO THE CURRENTLY PLANNED 4000' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 8.2 FT/YR.
- NOURISH DEGRADED HABITAT BY CONVERTING 206 ACRES OF OPEN WATER INTO ESTUARINE MARSH.
- CREATE 120 ACRES OF AN INTERTIDAL LIVING SHORELINE TO PROVIDE SHORELINE PROTECTION AND PREVENT ROAD OVERTOPPING IN THE HORSESHOE.
- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

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

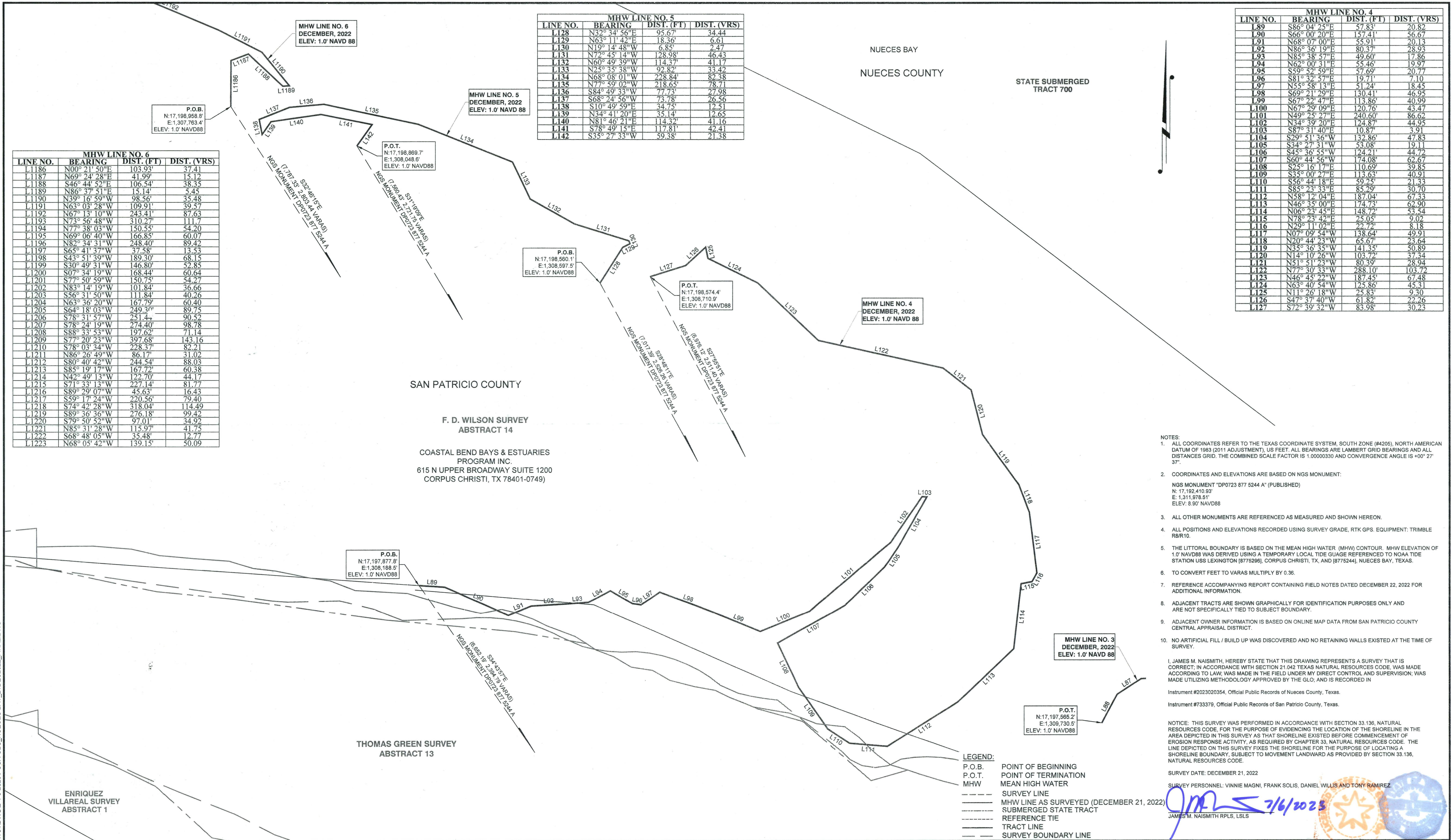


DRAWN BY:	CDW	APPROVED BY:	JMN
DATE:	04/10/2023	JOB NO.:	2022-1784
DRAWING NAME: PCCA-CBS_NUECES BAY_21DEC2022_FINAL			
PROJECTION: TEXAS SOUTH ZONE GEO. DATUM: NAD83 (2011) VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET			
SHEET NO.:	4	OF	28

COASTAL BOUNDARY SURVEY
NUECES COUNTY & SAN PATRICIO COUNTY

Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northern and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A, Nueces County and San Patricio County, Texas.

SANPAT.10 99294



MHW LINE NO. 6
DECEMBER, 2022
ELEV: 1.0' NAVD88

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1186	N00° 21' 50"E	103.93'	37.41
L1187	N69° 24' 28"E	41.99'	15.12
L1188	S46° 44' 52"E	106.54'	38.35
L1189	N86° 37' 51"E	15.14'	5.45
L1190	N39° 16' 59"W	98.56'	35.48
L1191	N63° 03' 28"W	109.91'	39.57
L1192	N67° 13' 10"W	243.41'	87.63
L1193	N73° 56' 48"W	310.27'	111.7
L1194	N77° 38' 03"W	150.55'	54.20
L1195	N69° 06' 40"W	166.85'	60.07
L1196	N82° 34' 31"W	248.40'	89.42
L1197	S65° 41' 37"W	37.58'	13.33
L1198	S43° 41' 39"W	189.30'	68.15
L1199	S30° 49' 31"W	146.80'	52.85
L1200	S07° 34' 19"W	168.44'	60.64
L1201	S77° 50' 59"W	150.75'	54.27
L1202	N83° 14' 19"W	101.84'	36.66
L1203	S56° 31' 50"W	111.84'	40.26
L1204	N63° 36' 20"W	167.79'	60.40
L1205	S64° 18' 03"W	249.30'	89.75
L1206	S78° 31' 57"W	251.4'	90.52
L1207	S78° 24' 19"W	274.40'	98.78
L1208	S88° 33' 53"W	197.62'	71.14
L1209	S77° 20' 23"W	397.62'	143.16
L1210	S78° 03' 34"W	228.37'	82.21
L1211	N86° 26' 49"W	86.17'	31.02
L1212	S80° 40' 42"W	244.54'	88.03
L1213	S85° 19' 17"W	167.72'	60.38
L1214	N42° 49' 13"W	122.70'	44.17
L1215	S71° 33' 13"W	227.14'	81.77
L1216	S89° 29' 07"W	45.63'	16.43
L1217	S59° 17' 24"W	220.56'	79.40
L1218	S74° 42' 28"W	318.04'	114.49
L1219	S89° 36' 36"W	276.18'	99.42
L1220	S79° 50' 52"W	97.01'	34.92
L1221	N85° 31' 28"W	115.97'	41.75
L1222	S68° 48' 05"W	35.48'	12.77
L1223	N68° 05' 42"W	139.15'	50.09

MHW LINE NO. 5
DECEMBER, 2022
ELEV: 1.0' NAVD88

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1128	N33° 34' 56"E	95.67'	34.44
L1129	N63° 11' 42"E	18.36'	6.61
L1130	N19° 14' 48"W	6.85'	2.47
L1131	N72° 45' 14"W	128.98'	46.43
L1132	N60° 49' 39"W	114.37'	41.17
L1133	N25° 35' 38"W	92.82'	33.42
L1134	N68° 08' 01"W	228.84'	82.38
L1135	N77° 59' 02"W	218.65'	78.71
L1136	S84° 49' 33"W	77.73'	27.98
L1137	S68° 24' 56"W	73.78'	26.56
L1138	S10° 49' 59"E	34.75'	12.51
L1139	N34° 41' 20"E	35.14'	12.65
L1140	N81° 46' 21"E	114.32'	41.16
L1141	S78° 49' 15"E	117.81'	42.41
L1142	S35° 27' 33"W	59.38'	21.38

MHW LINE NO. 4
DECEMBER, 2022
ELEV: 1.0' NAVD88

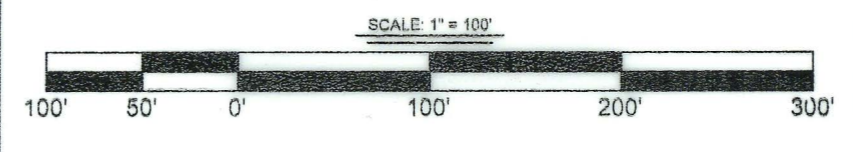
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L89	S86° 04' 25"E	57.83'	20.82
L90	S66° 00' 20"E	157.41'	56.67
L91	N68° 07' 00"E	55.91'	20.13
L92	N86° 36' 19"E	80.37'	28.93
L93	N85° 38' 57"E	49.60'	17.86
L94	N62° 00' 31"E	55.46'	19.97
L95	S59° 52' 59"E	57.69'	20.77
L96	S81° 32' 57"E	19.71'	7.10
L97	N55° 58' 13"E	51.24'	18.45
L98	S69° 21' 29"E	130.41'	46.95
L99	S67° 22' 47"E	113.86'	40.99
L100	N67° 29' 09"E	120.76'	43.47
L101	N49° 25' 27"E	240.60'	86.62
L102	N34° 39' 20"E	124.87'	44.95
L103	S87° 31' 40"E	10.87'	3.91
L104	S29° 51' 36"W	132.86'	47.83
L105	S34° 27' 31"W	53.08'	19.11
L106	S45° 36' 55"W	124.21'	44.72
L107	S60° 44' 56"W	174.08'	62.67
L108	S25° 16' 17"E	110.69'	39.85
L109	S35° 00' 27"E	113.63'	40.91
L110	S56° 44' 18"E	59.25'	21.33
L111	S85° 23' 33"E	85.29'	30.70
L112	N58° 12' 04"E	187.04'	67.33
L113	N46° 35' 00"E	174.73'	62.90
L114	N06° 23' 45"E	148.72'	53.54
L115	N78° 23' 42"E	25.05'	9.02
L116	N29° 11' 02"E	22.72'	8.18
L117	N07° 09' 54"W	138.64'	49.91
L118	N20° 44' 23"W	65.67'	23.64
L119	N35° 36' 35"W	141.35'	50.89
L120	N14° 10' 26"W	103.72'	37.34
L121	N51° 51' 23"W	80.39'	28.94
L122	N77° 30' 33"W	288.10'	103.72
L123	N46° 45' 22"W	187.45'	67.48
L124	N63° 40' 54"W	125.86'	45.31
L125	N1° 26' 18"W	25.83'	9.30
L126	S47° 37' 40"W	61.82'	22.26
L127	S72° 39' 32"W	83.98'	30.23

CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MCY DREDGED MATERIAL TO:

- COMBAT EROSION BY PROVIDING 395 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 200' BREAKWATER (TO TIE INTO THE CURRENTLY PLANNED 400' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 8.2 FT/YR.
- NOURISH DEGRADED HABITAT BY CONVERTING 206 ACRES OF OPEN WATER INTO ESTUARINE MARSH.
- CREATE 120 ACRES OF AN INTERTIDAL LIVING SHORELINE TO PROVIDE SHORELINE PROTECTION AND PREVENT ROAD OVERTOPPING IN THE HORSESHOE.
- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

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



LEGEND:

- POINT OF BEGINNING
- POINT OF TERMINATION
- MEAN HIGH WATER
- SURVEY LINE
- MHW LINE AS SURVEYED (DECEMBER 21, 2022)
- SUBMERGED STATE TRACT
- REFERENCE TIE
- TRACT LINE
- SURVEY BOUNDARY LINE

DRAWN BY:	CDW	APPROVED BY:	JMN
DATE:	04/10/2023	JOB NO.:	2022.1784
DRAWING NAME: PCCA-CBS NUECES BAY_21DEC2022_FINAL			
PROJECTION: TEXAS SOUTH ZONE GEO. DATUM: NAD83 (2011) VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET			
SHEET NO.:	5	OF	28

COASTAL BOUNDARY SURVEY
NUECES COUNTY & SAN PATRICIO COUNTY

Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odum Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A. Nueces County and San Patricio County, Texas.

DATE: DECEMBER 21, 2022
SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ
JAMES M. NAISMITH RPLS, L.S.L.S.

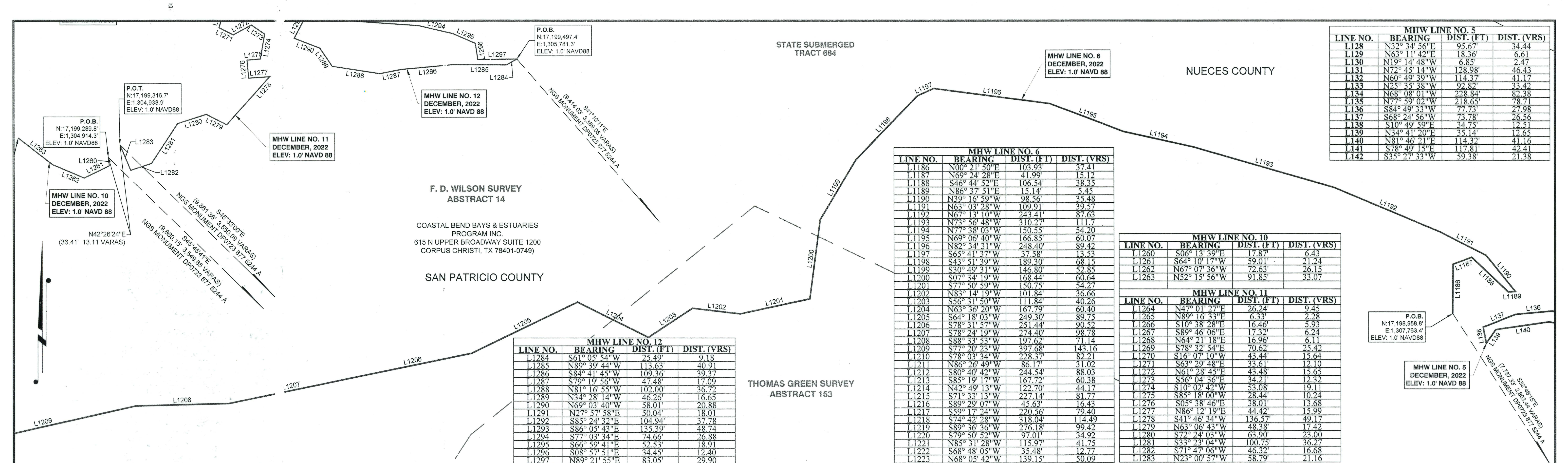
- NOTES:
1. ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#4205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.0000330 AND CONVERGENCE ANGLE IS +00° 27' 37".
 2. COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT:
NGS MONUMENT "DP0723 877 5244 A" (PUBLISHED)
N: 17,198,410.9'
E: 1,311,978.61'
ELEV: 8.90' NAVD88
 3. ALL OTHER MONUMENTS ARE REFERENCED AS MEASURED AND SHOWN HEREON.
 4. ALL POSITIONS AND ELEVATIONS RECORDED USING SURVEY GRADE, RTK GPS. EQUIPMENT: TRIMBLE R8/R10.
 5. THE LITTORAL BOUNDARY IS BASED ON THE MEAN HIGH WATER (MHW) CONTOUR. MHW ELEVATION OF 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON (8775296), CORPUS CHRISTI, TX, AND (8775244), NUECES BAY, TEXAS.
 6. TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 7. REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 FOR ADDITIONAL INFORMATION.
 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 SAN PATRICIO COUNTY CENTRAL APPRAISAL DISTRICT.
 10. NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE 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
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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.

SAN PATRICO 97294

11/9/2022 - PLY-2022-022-1784DWG02-4-5-2023PCCA-CBS_NUECES BAY_21DEC2022_FINAL.DWG



MHW LINE NO. 5			
LINE NO.	BEARING	DIST. (FT.)	DIST. (VRS)
L1228	N32° 34' 56" E	95.67'	34.44
L1229	N63° 11' 42" E	18.36'	6.61
L1230	N19° 14' 48" W	6.85'	2.47
L1231	N72° 45' 14" W	128.98'	46.43
L1232	N60° 49' 30" W	114.37'	41.17
L1233	N25° 35' 38" W	92.82'	33.42
L1234	N68° 08' 01" W	228.84'	83.38
L1235	N77° 59' 02" W	218.65'	78.71
L1236	S84° 49' 33" W	77.73'	27.98
L1237	S68° 24' 56" W	73.78'	26.56
L1238	S10° 49' 59" E	34.75'	12.51
L1239	S34° 41' 20" E	35.14'	12.65
L1240	N81° 46' 21" E	114.32'	41.16
L1241	S78° 49' 15" E	117.81'	42.41
L1242	S35° 27' 33" W	59.38'	21.38

MHW LINE NO. 6			
LINE NO.	BEARING	DIST. (FT.)	DIST. (VRS)
L1186	N00° 21' 50" E	103.93'	37.41
L1187	N69° 24' 28" E	41.99'	15.12
L1188	S46° 44' 52" E	106.54'	38.35
L1189	N86° 37' 51" E	15.14'	5.45
L1190	N39° 16' 59" W	98.56'	35.48
L1191	N63° 03' 28" W	109.91'	39.57
L1192	N67° 13' 10" W	243.41'	87.63
L1193	N73° 56' 48" W	310.27'	111.7
L1194	N77° 38' 03" W	150.53'	54.20
L1195	N69° 06' 40" W	166.83'	60.07
L1196	N82° 34' 11" W	248.80'	89.42
L1197	S65° 41' 37" W	37.58'	13.33
L1198	S43° 31' 39" W	189.30'	68.15
L1199	S30° 49' 31" W	146.80'	52.85
L1200	S07° 34' 19" W	168.44'	60.64
L1201	S77° 50' 59" W	150.75'	54.27
L1202	N83° 14' 19" W	101.84'	36.66
L1203	S56° 31' 50" W	111.84'	40.26
L1204	N63° 36' 20" W	167.79'	60.40
L1205	S64° 18' 03" W	249.30'	89.75
L1206	S78° 31' 57" W	251.44'	90.52
L1207	S78° 24' 19" W	274.40'	98.78
L1208	S88° 33' 53" W	197.62'	71.14
L1209	S77° 20' 23" W	397.68'	143.16
L1210	S78° 03' 34" W	228.37'	82.21
L1211	N86° 26' 49" W	86.17'	31.02
L1212	N86° 40' 42" W	244.54'	88.03
L1213	S85° 19' 17" W	167.72'	60.38
L1214	N42° 49' 13" W	122.70'	44.17
L1215	S71° 33' 13" W	227.14'	81.77
L1216	S89° 29' 07" W	45.63'	16.43
L1217	S59° 17' 24" W	220.56'	79.40
L1218	S74° 42' 28" W	318.04'	114.49
L1219	S89° 36' 36" W	276.18'	99.42
L1220	S79° 50' 52" W	97.01'	34.92
L1221	N85° 31' 28" W	115.97'	41.75
L1222	S68° 48' 05" W	35.48'	12.77
L1223	N68° 05' 42" W	139.15'	50.09

MHW LINE NO. 10			
LINE NO.	BEARING	DIST. (FT.)	DIST. (VRS)
L1260	S06° 13' 39" E	17.87'	6.43
L1261	S64° 10' 17" W	59.01'	21.24
L1262	N67° 07' 36" W	72.63'	26.15
L1263	N52° 15' 56" W	91.85'	33.07

MHW LINE NO. 11			
LINE NO.	BEARING	DIST. (FT.)	DIST. (VRS)
L1264	N47° 01' 27" E	26.24'	9.45
L1265	N89° 16' 33" E	6.33'	2.28
L1266	S10° 38' 28" E	16.46'	5.93
L1267	S89° 46' 06" E	17.32'	6.24
L1268	N64° 21' 18" E	16.96'	6.11
L1269	S78° 32' 54" E	70.62'	25.42
L1270	S16° 07' 10" W	43.44'	15.64
L1271	S63° 29' 48" E	33.61'	12.10
L1272	N61° 28' 45" E	43.48'	15.65
L1273	S56° 04' 36" E	34.21'	12.32
L1274	S10° 02' 42" W	53.08'	19.11
L1275	S85° 18' 00" W	28.44'	10.24
L1276	S05° 38' 46" E	38.01'	13.68
L1277	N86° 12' 19" E	44.42'	15.99
L1278	S41° 46' 34" W	136.57'	49.17
L1279	N63° 06' 43" W	48.38'	17.42
L1280	S72° 24' 03" W	63.90'	23.00
L1281	S33° 23' 04" W	100.75'	36.27
L1282	S71° 47' 06" W	46.32'	16.68
L1283	N23° 00' 57" W	58.79'	21.16

MHW LINE NO. 12			
LINE NO.	BEARING	DIST. (FT.)	DIST. (VRS)
L1284	S61° 05' 54" W	25.49'	9.18
L1285	N89° 39' 44" W	113.63'	40.91
L1286	S84° 41' 45" W	109.36'	39.37
L1287	S79° 19' 56" W	47.48'	17.09
L1288	N81° 16' 55" W	102.00'	36.72
L1289	N34° 28' 14" W	46.26'	16.65
L1290	N69° 03' 40" W	58.01'	20.88
L1291	N27° 57' 58" E	50.04'	18.01
L1292	S85° 24' 32" E	104.94'	37.78
L1293	S86° 05' 43" E	135.39'	48.74
L1294	S77° 03' 34" E	74.66'	26.88
L1295	S66° 59' 41" E	52.53'	18.91
L1296	S08° 57' 51" E	34.45'	12.40
L1297	N89° 21' 55" E	83.05'	29.90

MHW LINE NO. 7			
LINE NO.	BEARING	DIST. (FT.)	DIST. (VRS)
L1224	N86° 32' 03" E	44.50'	16.02
L1225	N20° 52' 58" E	93.19'	33.55
L1226	N72° 23' 31" E	82.58'	29.73
L1227	S77° 20' 12" E	59.39'	21.38
L1228	S35° 39' 30" E	85.53'	30.79
L1229	S19° 39' 56" E	64.02'	23.05
L1230	S72° 56' 29" E	55.97'	20.15
L1231	S62° 05' 59" E	109.61'	39.46
L1232	S50° 46' 47" E	99.57'	35.85
L1233	S29° 08' 14" E	95.53'	34.39
L1234	S79° 02' 50" E	83.79'	30.16
L1235	N65° 30' 52" E	55.86'	20.11
L1236	N42° 22' 59" E	106.17'	38.22
L1237	N84° 57' 26" E	253.68'	84.12
L1238	N00° 34' 47" E	28.46'	10.25

MHW LINE NO. 8			
LINE NO.	BEARING	DIST. (FT.)	DIST. (VRS)
L1239	S00° 32' 46" W	54.02'	19.45
L1240	S35° 12' 47" E	37.99'	13.68
L1241	N53° 48' 14" E	96.30'	34.67
L1242	N66° 58' 43" E	23.55'	8.48
L1243	N25° 09' 55" E	74.21'	26.72
L1244	N45° 17' 23" W	34.55'	12.44

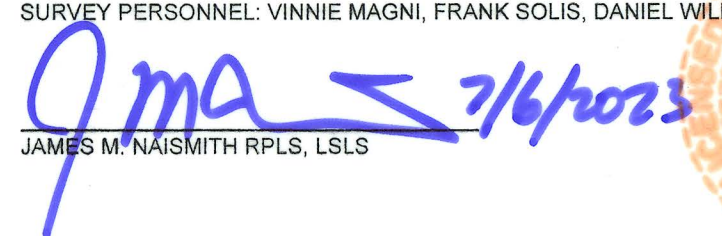
- NOTES:
- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#4205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.0000330 AND CONVERGENCE ANGLE IS +0° 27' 37".
 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT. NGS MONUMENT #DP0723 877 5244 A* (PUBLISHED) N: 17,192,410.83' E: 1,311,978.51' ELEV: 8.90' 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 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON [8775249], CORPUS CHRISTI, TX, AND [8775244], NUECES BAY, TEXAS.
 - TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 - REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 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 SAN PATRICIO COUNTY CENTRAL APPRAISAL DISTRICT.
 - NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE 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

Instrument #2023020354, Official Public Records of Nueces County, Texas.
Instrument #733378, Official Public Records of San Patricio County, Texas.

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 21, 2022
SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ

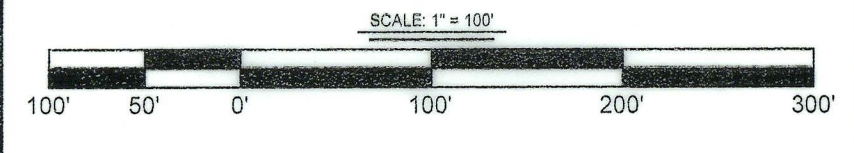
 7/6/2023
JAMES M. NAISMITH RPLS, LSLs

CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 9 MCM DREDGED MATERIAL TO:

- COMBAT EROSION BY PROVIDING 395 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 2000' BREAKWATER (TO TIE INTO THE CURRENTLY PLANNED 4000' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 8.2 FT/YR.
- NOURISH DEGRADED HABITAT BY CONVERTING 206 ACRES OF OPEN WATER INTO ESTUARINE MARSH.
- CREATE 120 ACRES OF AN INTERTIDAL LIVING SHORELINE TO PROVIDE SHORELINE PROTECTION AND PREVENT ROAD OVERTOPPING IN THE HORSESHOE.
- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BAY SITE.

REV. NO.	REV. DATE	REV. DESCRIPTION	REV. BY
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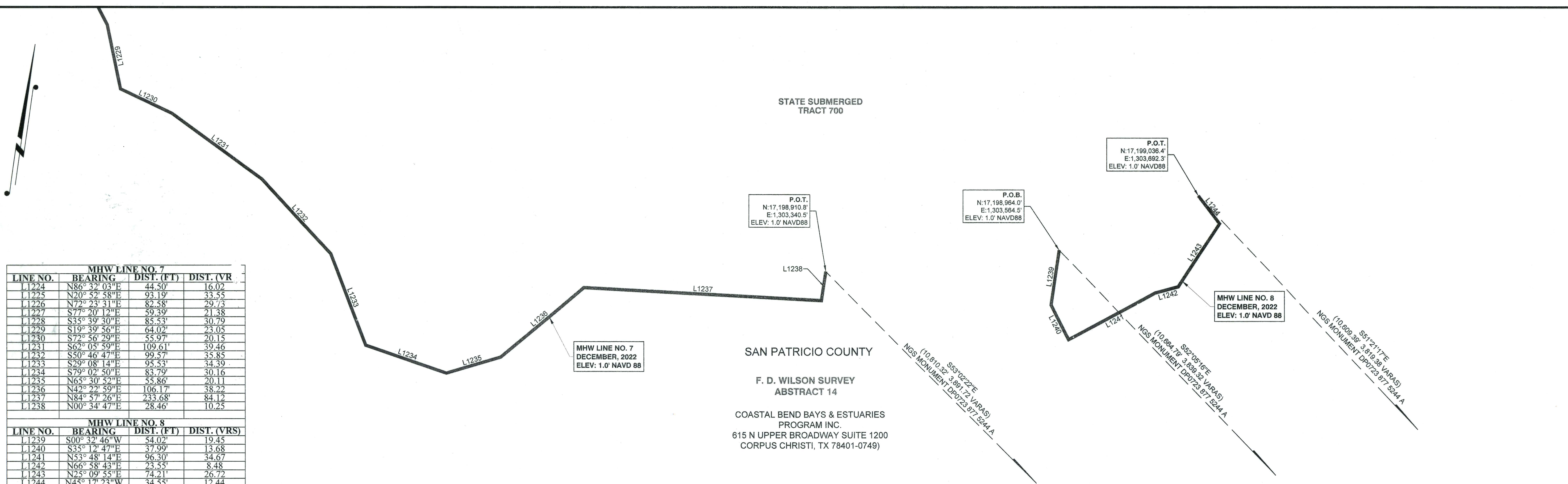
 **T. BAKER SMITH**
A CENTURY OF SOLUTIONS
3854 FM 1069
Aransas Pass, TX 78336
(361)334-5719 - tbsmith.com
TBPLS #10194575



DRAWN BY: CDW	APPROVED BY: JMN
DATE: 04/10/2023	JOB NO: 2022.1784
DRAWING NAME: PCCA-CBS_NUECES_BAY_21DEC2022_FINAL	
PROJECTION: TEXAS SOUTH ZONE	
GEO. DATUM: NAD83 (2011) VERT. DATUM: NAVD88	
GRID UNITS: US SURVEY FEET	
SHEET NO: 6	OF 28

COASTAL BOUNDARY SURVEY
NUECES COUNTY & SAN PATRICIO COUNTY

Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northernly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.D. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No. 5, same being the 691, 700, 706, 745, 746, 746A and 750A. Nueces County and San Patricio County, Texas.



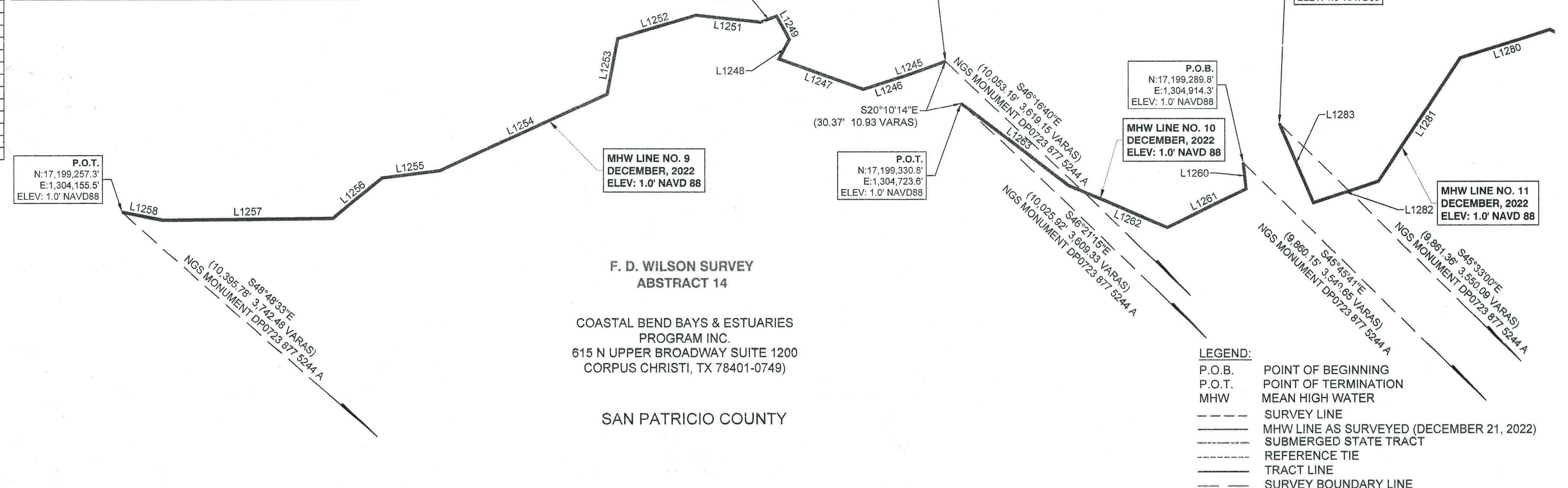
MHW LINE NO. 7			
LINE NO.	BEARING	DIST. (FT)	DIST. (VR)
L1224	N86° 32' 03" E	44.50'	16.02'
L1225	N20° 52' 58" E	93.19'	33.55'
L1226	N72° 23' 31" E	82.58'	29.73'
L1227	S77° 20' 12" E	59.39'	21.38'
L1228	S35° 39' 30" E	85.53'	30.79'
L1229	S19° 39' 56" E	64.02'	23.05'
L1230	S72° 56' 29" E	55.97'	20.15'
L1231	S62° 05' 59" E	109.61'	39.46'
L1232	S50° 46' 47" E	99.57'	35.85'
L1233	S29° 08' 14" E	95.53'	34.39'
L1234	S79° 02' 50" E	83.79'	30.16'
L1235	N65° 30' 52" E	55.86'	20.11'
L1236	N42° 22' 59" E	106.17'	38.22'
L1237	N84° 57' 26" E	233.68'	84.12'
L1238	N00° 34' 47" E	28.46'	10.25'

MHW LINE NO. 8			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1239	S00° 32' 46" W	54.02'	19.45'
L1240	S35° 12' 47" E	37.99'	13.68'
L1241	N53° 48' 14" E	96.30'	34.67'
L1242	N66° 58' 43" E	23.55'	8.48'
L1243	N25° 09' 55" E	74.21'	26.72'
L1244	N45° 17' 23" W	34.55'	12.44'

MHW LINE NO. 10			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1260	S06° 13' 39" E	17.87'	6.43'
L1261	S64° 10' 17" W	59.01'	21.24'
L1262	N67° 07' 36" W	72.63'	26.15'
L1263	N52° 15' 56" W	91.85'	33.07'

MHW LINE NO. 11			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1264	N47° 01' 27" E	26.24'	9.45'
L1265	N89° 16' 33" E	6.33'	2.28'
L1266	S10° 38' 28" E	16.46'	5.93'
L1267	S89° 46' 06" E	17.32'	6.24'
L1268	N64° 21' 18" E	16.96'	6.11'
L1269	S78° 32' 54" E	70.62'	25.42'
L1270	S16° 07' 10" W	43.44'	15.64'
L1271	S63° 29' 48" E	33.61'	12.10'
L1272	N61° 28' 45" E	43.48'	15.65'
L1273	S56° 04' 36" E	34.21'	12.32'
L1274	S10° 02' 42" W	53.08'	19.11'
L1275	S85° 18' 00" W	28.44'	10.24'
L1276	S05° 38' 46" E	38.01'	13.68'
L1277	N86° 12' 19" E	44.42'	15.99'
L1278	S41° 46' 34" W	156.57'	49.17'
L1279	N63° 06' 43" W	43.38'	17.42'
L1280	S72° 24' 03" W	63.90'	23.00'
L1281	S33° 23' 04" W	100.75'	36.27'
L1282	S71° 47' 06" W	46.32'	16.68'
L1283	N23° 00' 57" W	58.79'	21.16'

MHW LINE NO. 9			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1245	S70° 01' 08" W	25.55'	9.20'
L1246	S72° 06' 50" W	33.24'	11.97'
L1247	N70° 04' 40" W	60.66'	21.84'
L1248	N27° 52' 32" E	15.14'	5.45'
L1249	N28° 54' 55" W	18.04'	6.49'
L1250	S69° 09' 45" W	11.72'	4.22'
L1251	N83° 42' 42" W	43.91'	15.81'
L1252	S73° 17' 22" W	55.37'	19.93'
L1253	S10° 44' 46" W	38.36'	13.81'
L1254	S65° 15' 28" W	124.84'	44.94'
L1255	S82° 46' 31" W	39.44'	14.20'
L1256	S50° 56' 20" W	42.86'	15.43'
L1257	S89° 32' 13" W	115.10'	41.44'
L1258	N79° 23' 31" W	28.08'	10.11'



NOTES:

- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#4205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.0000330 AND CONVERGENCE ANGLE IS +00° 27' 37".
- COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT:
NGS MONUMENT "DP0723 877 5244 A" (PUBLISHED)
N: 17,192,410.93'
E: 1,311,878.51'
ELEV: 8.50' NAVD88
- ALL OTHER MONUMENTS ARE REFERENCED AS MEASURED AND SHOWN HEREON.
- ALL POSITIONS AND ELEVATIONS RECORDED USING SURVEY GRADE, RTK GPS. EQUIPMENT: TRIMBLE R8R10.
- THE LITTORAL BOUNDARY IS BASED ON THE MEAN HIGH WATER (MHW) CONTOUR. MHW ELEVATION OF 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON (8775286), CORPUS CHRISTI, TX, AND (8775244), NUECES BAY, TEXAS.
- TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
- REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 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 SAN PATRICIO COUNTY CENTRAL APPRAISAL DISTRICT.
- NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE 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

Instrument #2023020354, Official Public Records of Nueces County, Texas.
Instrument #733379, Official Public Records of San Patricio County, Texas.

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 21, 2022
SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ

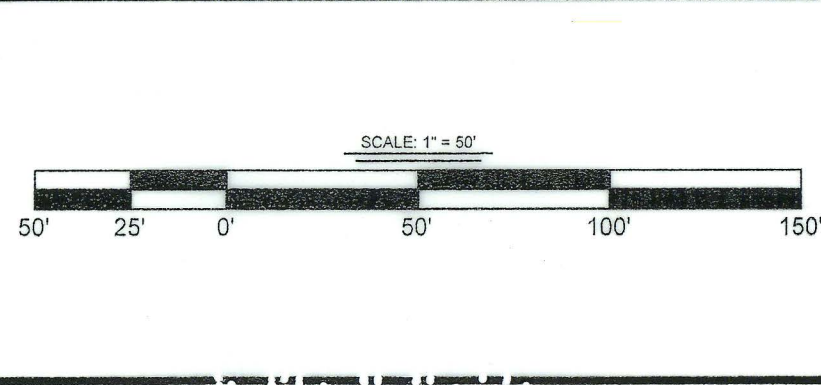
LEGEND:
 P.O.B. POINT OF BEGINNING
 P.O.T. POINT OF TERMINATION
 MHW MEAN HIGH WATER
 --- SURVEY LINE
 - - - MHW LINE AS SURVEYED (DECEMBER 21, 2022)
 - - - SUBMERGED STATE TRACT
 - - - REFERENCE TIE
 - - - TRACT LINE
 - - - SURVEY BOUNDARY LINE

CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MCY DREDGED MATERIAL TO:

- COMBAT EROSION BY PROVIDING 395 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 2000' BREAKWATER (TO TIE INTO THE CURRENTLY PLANNED 4000' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 8.2 FT/YR.
- NOURISH DEGRADED HABITAT BY CONVERTING 206 ACRES OF OPEN WATER INTO ESTUARINE MARSH.
- CREATE 120 ACRES OF AN INTERTIDAL LIVING SHORELINE TO PROVIDE SHORELINE PROTECTION AND PREVENT ROAD OVERTOPPING IN THE HORSESHOE.
- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

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
 TBPUS #10194575



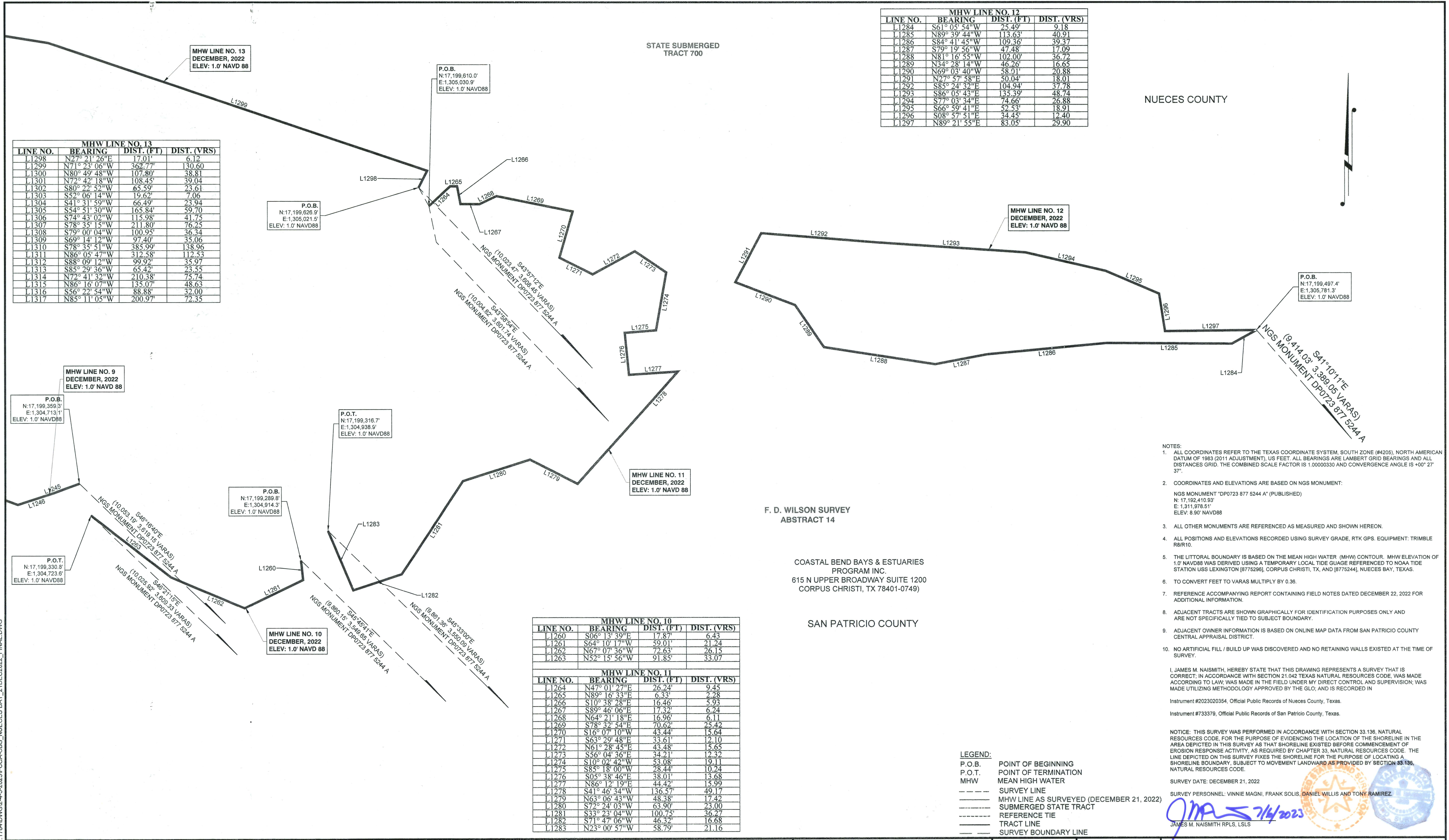
DRAWN BY:	CDW	APPROVED BY:	JMN
DATE:	04/10/2023	JOB NO.:	2022.1784
DRAWING NAME:	PCCA-CBS_NUECES BAY_21DEC2022_FINAL		
PROJECTION:	TEXAS SOUTH ZONE		
GEO. DATUM:	NAD83 (2011) VERT. DATUM: NAVD88		
GRID UNITS:	US SURVEY FEET		
SHEET NO.:	7	OF	28

COASTAL BOUNDARY SURVEY
 NUECES COUNTY & SAN PATRICIO COUNTY

Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A. Nueces County and San Patricio County, Texas.

11/9/2022 - P:\Y\2022\2022-1784\DWG\32-4-5-2023\PCCA-CBS_NUECES BAY_21DEC2022_FINAL.DWG

SAN DAT. 10 97294



MHW LINE NO. 12			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1284	S61° 05' 54"W	25.49'	9.18
L1285	N89° 39' 44"W	113.63'	40.91
L1286	S84° 41' 45"W	109.36'	39.37
L1287	S79° 19' 56"W	47.48'	17.09
L1288	N81° 16' 55"W	102.00'	36.72
L1289	N34° 28' 14"W	46.26'	16.65
L1290	N69° 03' 40"W	58.01'	20.88
L1291	N27° 57' 58"E	50.04'	18.01
L1292	S85° 24' 32"E	104.94'	37.78
L1293	S86° 05' 43"E	135.39'	48.74
L1294	S77° 03' 34"E	74.66'	26.88
L1295	S66° 59' 41"E	52.53'	18.91
L1296	S08° 57' 51"E	34.45'	12.40
L1297	N89° 21' 55"E	83.05'	29.90

MHW LINE NO. 13			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1298	N27° 21' 26"E	17.01'	6.12
L1299	N71° 23' 06"W	362.77'	130.60
L1300	N80° 49' 48"W	107.80'	38.81
L1301	N72° 42' 18"W	108.45'	39.04
L1302	S80° 22' 52"W	65.59'	23.61
L1303	S52° 06' 14"W	19.62'	7.06
L1304	S41° 31' 59"W	66.49'	23.94
L1305	S54° 51' 30"W	165.84'	59.70
L1306	S74° 43' 02"W	115.98'	41.75
L1307	S78° 35' 15"W	211.80'	76.25
L1308	S79° 00' 04"W	100.95'	36.34
L1309	S69° 14' 12"W	97.40'	35.06
L1310	S78° 35' 51"W	385.99'	138.96
L1311	N86° 05' 47"W	312.58'	112.53
L1312	S88° 09' 12"W	99.92'	35.97
L1313	S85° 29' 36"W	65.42'	23.55
L1314	N72° 41' 32"W	210.38'	75.74
L1315	N86° 16' 07"W	135.07'	48.63
L1316	S56° 22' 54"W	88.88'	32.00
L1317	N85° 11' 05"W	200.97'	72.35

MHW LINE NO. 10			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1260	S06° 13' 39"E	17.87'	6.43
L1261	S64° 10' 17"W	59.01'	21.24
L1262	N67° 07' 36"W	72.63'	26.15
L1263	N52° 15' 56"W	91.85'	33.07

MHW LINE NO. 11			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1264	N47° 01' 27"E	26.24'	9.45
L1265	N89° 16' 33"E	6.33'	2.28
L1266	S10° 38' 28"E	16.46'	5.93
L1267	S89° 46' 06"E	17.32'	6.24
L1268	N64° 21' 18"E	16.96'	6.11
L1269	S78° 32' 54"E	70.62'	25.42
L1270	S16° 07' 10"W	43.44'	15.64
L1271	S63° 29' 48"E	33.61'	12.10
L1272	N61° 28' 45"E	43.48'	15.65
L1273	S56° 04' 36"E	34.21'	12.32
L1274	S10° 02' 42"W	53.08'	19.11
L1275	S85° 18' 00"W	28.44'	10.24
L1276	S05° 38' 46"E	38.01'	13.68
L1277	N86° 12' 19"E	44.42'	15.99
L1278	S41° 46' 34"W	136.57'	49.17
L1279	N63° 06' 43"W	48.38'	17.42
L1280	S73° 24' 03"W	63.90'	23.00
L1281	S33° 23' 04"W	100.75'	36.27
L1282	S71° 47' 06"W	46.32'	16.68
L1283	N23° 00' 57"W	58.79'	21.16

LEGEND:
 P.O.B. POINT OF BEGINNING
 P.O.T. POINT OF TERMINATION
 MHW MEAN HIGH WATER
 SURVEY LINE
 MHW LINE AS SURVEYED (DECEMBER 21, 2022)
 SUBMERGED STATE TRACT
 REFERENCE TIE
 TRACT LINE
 SURVEY BOUNDARY LINE

- NOTES:
- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.00000330 AND CONVERGENCE ANGLE IS +0° 27' 37".
 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT:
 NGS MONUMENT "DP0723 877 5244 A" (PUBLISHED)
 N: 17,192,410.93'
 E: 1,311,978.51'
 ELEV: 8.90' NAVD88
 - ALL OTHER MONUMENTS ARE REFERENCED AS MEASURED AND SHOWN HEREON.
 - ALL POSITIONS AND ELEVATIONS RECORDED USING SURVEY GRADE, RTK GPS. EQUIPMENT: TRIMBLE R8R10.
 - THE LITTORAL BOUNDARY IS BASED ON THE MEAN HIGH WATER (MHW) CONTOUR. MHW ELEVATION OF 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON [8775286], CORPUS CHRISTI, TX, AND [8775244], NUECES BAY, TEXAS.
 - TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 - REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 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 SAN PATRICIO COUNTY CENTRAL APPRAISAL DISTRICT.
 - NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE TIME OF SURVEY.

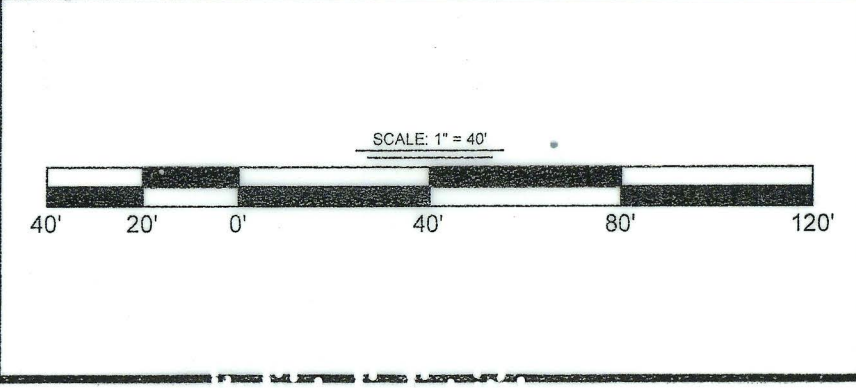
I, JAMES M. NAISMITH, HEREBY STATE THAT THIS DRAWING REPRESENTS A SURVEY THAT IS CORRECT; IN ACCORDANCE WITH SECTION 21.042 TEXAS NATURAL RESOURCES CODE, WAS MADE ACCORDING TO LAW; WAS MADE IN THE FIELD UNDER MY DIRECT CONTROL AND SUPERVISION; WAS MADE UTILIZING METHODOLOGY APPROVED BY THE GLO, AND IS RECORDED IN
 Instrument #2023020354, Official Public Records of Nueces County, Texas.
 Instrument #733379, Official Public Records of San Patricio County, Texas.

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 21, 2022
 SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ
 JAMES M. NAISMITH RPLS, LLSLS

CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 6 MCY DREDGED MATERIAL TO:
 • COMBAT EROSION BY PROVIDING 365 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 200' BREAKWATER (TO TIE INTO THE CURRENTLY PLANNED 400' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 8.2 FT/YR.
 • NOURISH DEGRADED HABITAT BY CONVERTING 206 ACRES OF OPEN WATER INTO ESTUARINE MARSH.
 • CREATE 120 ACRES OF AN INTERTIDAL LIVING SHORELINE TO PROVIDE SHORELINE PROTECTION AND PREVENT ROAD OVERTOPPING IN THE HORSESHOE.
 • BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

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: JMN
DATE: 04/10/2023	JOB NO: 2022-1784
DRAWING NAME: PCCA-CBS_NUECES_BAY_21DEC2022_FINAL	
PROJECTION: TEXAS SOUTH ZONE	
GEO. DATUM: NAD83 (2011) VERT. DATUM: NAVD88	
GRID UNITS: US SURVEY FEET	
SHEET NO: 8	OF 28

COASTAL BOUNDARY SURVEY
 NUECES COUNTY & SAN PATRICIO COUNTY
 Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A. Nueces County and San Patricio County, Texas.

11/9/2022 - P:\1-2022\2022-1784\DWG\2-4-5-2023\PCCA-CBS_NUECES_BAY_21DEC2022_FINAL.DWG

SANPAT.10 97294

MHW LINE NO. 7				
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)	
L1224	N86° 32' 03"E	44.50'	16.02	
L1225	N20° 52' 58"E	93.19'	33.55	
L1226	N72° 23' 31"E	82.58'	29.73	
L1227	S77° 20' 12"E	59.39'	21.38	
L1228	S35° 39' 30"E	85.53'	30.79	
L1229	S19° 39' 56"E	64.02'	23.05	
L1230	S72° 56' 29"E	55.97'	20.15	
L1231	S62° 05' 59"E	109.61'	39.46	
L1232	S50° 46' 47"E	99.57'	35.85	
L1233	S29° 08' 14"E	95.53'	34.39	
L1234	S79° 02' 50"E	83.79'	30.16	
L1235	N65° 30' 52"E	55.86'	20.11	
L1236	N45° 22' 59"E	106.17'	38.22	
L1237	N84° 57' 26"E	233.68'	84.12	
L1238	N00° 34' 47"E	28.46'	10.25	

MHW LINE NO. 9				
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)	
L1245	S70° 01' 08"W	25.55'	9.20	
L1246	S72° 06' 50"W	33.24'	11.97	
L1247	N70° 04' 40"W	60.66'	21.84	
L1248	N27° 52' 32"E	15.14'	5.45	
L1249	N28° 54' 55"W	18.04'	6.49	
L1250	S69° 09' 45"W	11.72'	4.22	
L1251	N83° 42' 42"W	43.91'	15.81	
L1252	S73° 17' 22"W	55.37'	19.93	
L1253	S10° 44' 46"W	38.36'	13.81	
L1254	S65° 15' 28"W	124.84'	44.94	
L1255	S82° 46' 31"W	39.44'	14.20	
L1256	S50° 56' 20"W	42.86'	15.43	
L1257	S89° 32' 13"W	115.10'	41.44	
L1258	N79° 23' 31"W	28.08'	10.11	

MHW LINE NO. 10				
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)	
L1260	S06° 13' 39"E	17.87'	6.43	
L1261	S64° 10' 17"W	59.01'	21.24	
L1262	N67° 07' 36"W	72.63'	26.15	
L1263	N52° 15' 56"W	91.85'	33.07	

MHW LINE NO. 11				
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)	
L1264	N47° 01' 27"E	26.24'	9.45	
L1265	N89° 16' 33"E	6.33'	2.28	
L1266	S10° 38' 28"E	16.46'	5.93	
L1267	S89° 46' 06"E	17.32'	6.24	
L1268	N64° 21' 18"E	16.96'	6.11	
L1269	S78° 32' 54"E	70.62'	25.42	
L1270	S16° 07' 10"W	43.44'	15.64	
L1271	S63° 29' 48"E	33.61'	12.10	
L1272	N61° 28' 45"E	43.48'	15.65	
L1273	S56° 04' 36"E	34.21'	12.32	
L1274	S10° 02' 42"W	53.08'	19.11	
L1275	S85° 18' 00"W	28.44'	10.24	
L1276	S05° 38' 46"E	38.01'	13.68	
L1277	N86° 12' 19"E	44.42'	15.99	
L1278	S41° 46' 34"W	136.57'	49.17	
L1279	N63° 06' 43"W	48.38'	17.42	
L1280	S72° 24' 03"W	63.90'	23.00	
L1281	S33° 23' 04"W	100.75'	36.27	
L1282	S71° 47' 06"W	46.32'	16.68	
L1283	N23° 00' 57"W	58.79'	21.16	

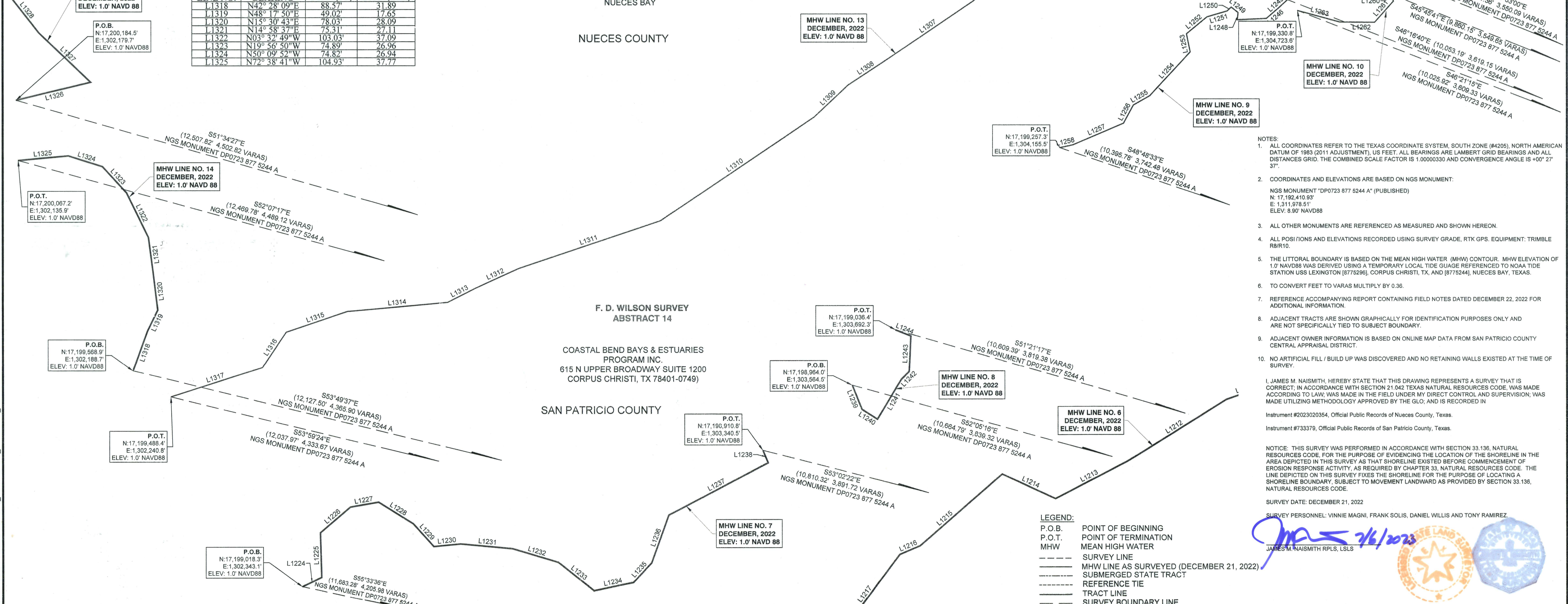
MHW LINE NO. 13				
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)	
L1298	N27° 21' 26"E	17.01'	6.12	
L1299	N71° 23' 06"W	362.77'	130.60	
L1300	N80° 49' 48"W	107.80'	38.81	
L1301	N72° 42' 18"W	108.45'	39.04	
L1302	S80° 22' 52"W	65.59'	23.61	
L1303	S52° 06' 14"W	19.62'	7.06	
L1304	S41° 31' 59"W	66.49'	23.94	
L1305	S54° 51' 30"W	165.84'	59.70	
L1306	S74° 43' 02"W	115.98'	41.75	
L1307	S78° 35' 15"W	211.80'	76.25	
L1308	S79° 00' 04"W	100.95'	36.34	
L1309	S69° 14' 12"W	97.40'	35.06	
L1310	S78° 35' 51"W	385.99'	138.96	
L1311	N86° 05' 47"W	312.58'	112.53	
L1312	S88° 09' 12"W	99.92'	35.97	
L1313	S85° 29' 36"W	65.42'	23.55	
L1314	N72° 41' 32"W	210.38'	75.74	
L1315	N86° 16' 07"W	135.07'	48.63	
L1316	S56° 22' 54"W	88.88'	32.00	
L1317	N85° 11' 05"W	200.97'	72.35	

MHW LINE NO. 8				
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)	
L1239	S00° 32' 46"W	54.02'	19.45	
L1240	S35° 12' 47"E	37.99'	13.68	
L1241	N53° 48' 14"E	96.30'	34.67	
L1242	N66° 58' 43"E	23.55'	8.48	
L1243	N25° 09' 55"E	74.21'	26.72	
L1244	N45° 17' 23"W	34.55'	12.44	

MHW LINE NO. 10				
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)	
L1260	S06° 13' 39"E	17.87'	6.43	
L1261	S64° 10' 17"W	59.01'	21.24	
L1262	N67° 07' 36"W	72.63'	26.15	
L1263	N52° 15' 56"W	91.85'	33.07	

MHW LINE NO. 15				
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)	
L1326	N17° 200.184.5'	E:1,302,179.7'	ELEV: 1.0' NAVD88	

MHW LINE NO. 14				
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)	
L1318	N42° 28' 09"E	88.57'	31.89	
L1319	N48° 17' 50"E	49.02'	17.65	
L1320	N15° 30' 43"E	78.03'	28.09	
L1321	N14° 58' 37"E	75.31'	27.11	
L1322	N03° 32' 49"W	103.03'	37.09	
L1323	N19° 56' 50"W	74.89'	26.96	
L1324	N50° 09' 52"W	74.82'	26.94	
L1325	N72° 38' 41"W	104.93'	37.77	



- NOTES:
- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#4205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LABERTY GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.00000330 AND CONVERGENCE ANGLE IS +00° 27' 37".
 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT.
 - 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 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON (8775296), CORPUS CHRISTI, TX, AND (8775244), NUECES BAY, TEXAS.
 - TO CONVERT FEET TO VARAS MULTIPLY BY 0.35.
 - REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 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 SAN PATRICIO COUNTY CENTRAL APPRAISAL DISTRICT.
 - NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE 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

Instrument #2023020354, Official Public Records of Nueces County, Texas.
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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 21, 2022
 SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ

LEGEND:

- P.O.B. POINT OF BEGINNING
- P.O.T. POINT OF TERMINATION
- MHW MEAN HIGH WATER
- SURVEY LINE
- MHW LINE AS SURVEYED (DECEMBER 21, 2022)
- SUBMERGED STATE TRACT
- REFERENCE TIE
- TRACT LINE
- SURVEY BOUNDARY LINE

DATE: 04/10/2023 JOB NO: 2022.1784
 DRAWING NAME: PCCA-CBS_NUECES BAY_21DEC2022_FINAL
 PROJECTION: TEXAS SOUTH ZONE
 GEO. DATUM: NAD83 (2011) | VERT. DATUM: NAVD88
 GRID UNITS: US SURVEY FEET

SHEET NO: 9 OF 28

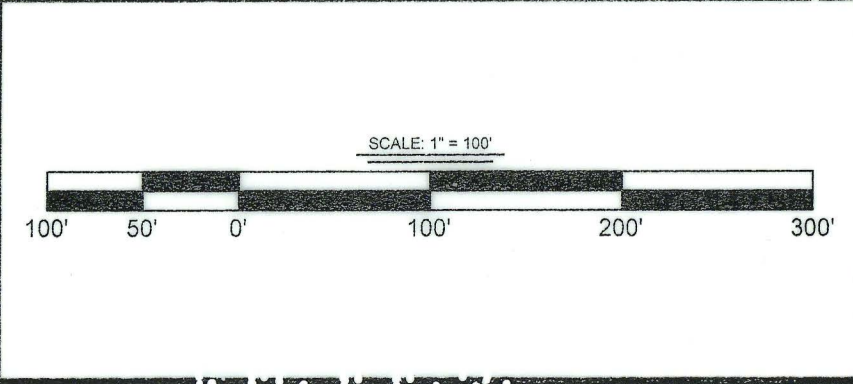
COASTAL BOUNDARY SURVEY
 NUECES COUNTY & SAN PATRICIO COUNTY
 Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odum Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A. Nueces County and San Patricio County, Texas.

CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MC OF REDGED MATERIAL TO:

- COMBAT EROSION BY PROVIDING 395 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 2000' BREAKWATER (TO TIE INTO THE CURRENTLY PLANNED 4000' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 8.2 FT/YR.
- NOURISH DEGRADED HABITAT BY CONVERTING 206 ACRES OF OPEN WATER INTO ESTUARINE MARSH.
- CREATE 120 ACRES OF AN INTERTIDAL LIVING SHORELINE TO PROVIDE SHORELINE PROTECTION AND PREVENT ROAD OVERTOPPING IN THE HORSESHOE.
- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

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: JMN
DATE: 04/10/2023	JOB NO: 2022.1784
DRAWING NAME: PCCA-CBS_NUECES BAY_21DEC2022_FINAL	
PROJECTION: TEXAS SOUTH ZONE	
GEO. DATUM: NAD83 (2011) VERT. DATUM: NAVD88	
GRID UNITS: US SURVEY FEET	
SHEET NO: 9	OF 28

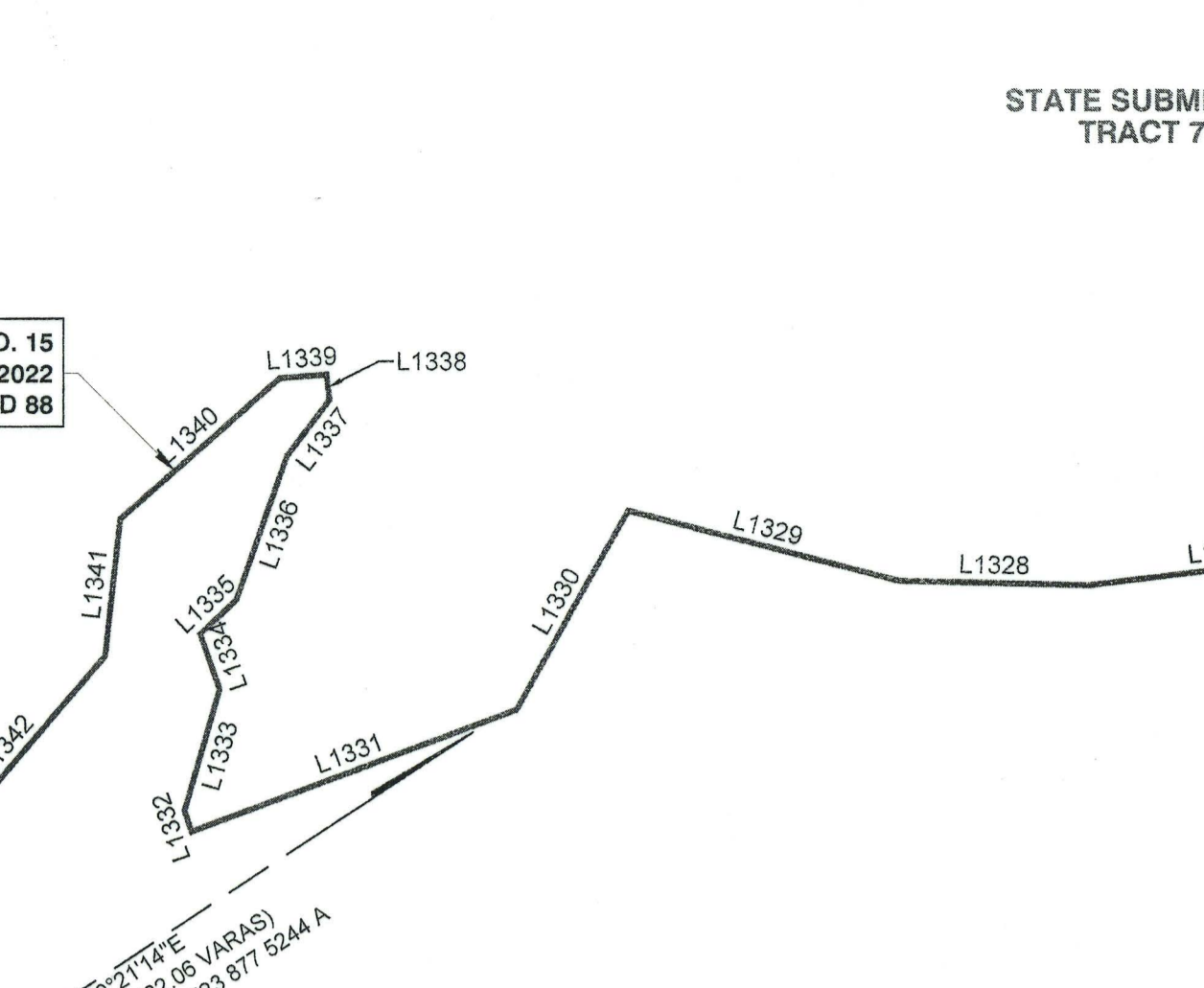
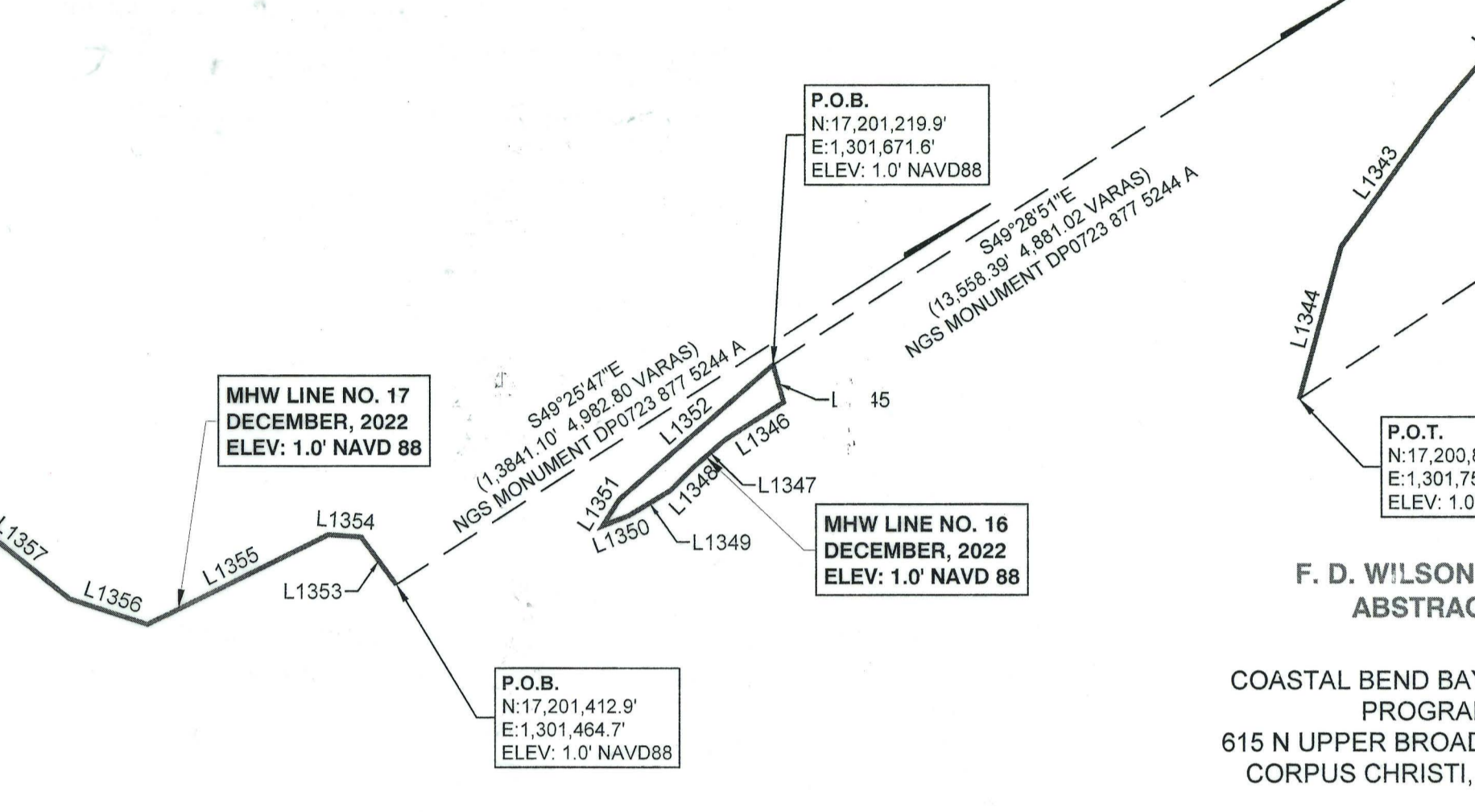
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 NUECES COUNTY & SAN PATRICIO COUNTY
 Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odum Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A. Nueces County and San Patricio County, Texas.

11/9/2022 - P:\Y-2022\2022.1784\DWG\32.4-5-2023\PCCA-CBS_NUECES BAY_21DEC2022_FINAL.DWG

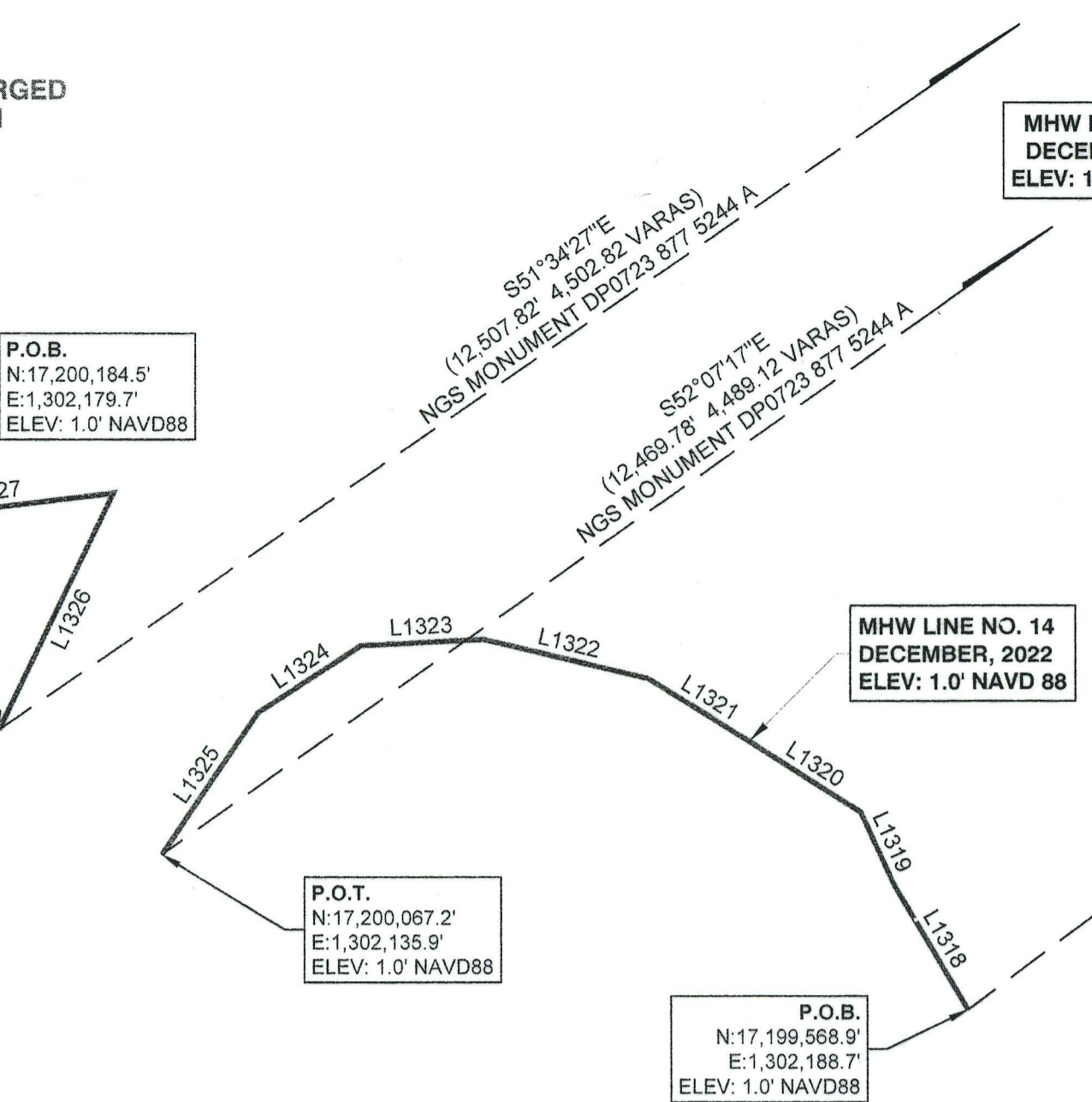
SAN PAT. CO 97294

MHW LINE NO. 13			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1298	N27° 21' 26"E	17.01'	6.12
L1299	N71° 23' 06"W	362.77'	130.60
L1300	N80° 49' 48"W	107.80'	38.81
L1301	N72° 42' 18"W	108.45'	39.04
L1302	S80° 22' 58"W	65.59'	22.06
L1303	S52° 06' 14"W	19.62'	7.06
L1304	S41° 31' 59"W	66.49'	23.94
L1305	S54° 51' 30"W	165.84'	59.70
L1306	S74° 43' 02"W	115.98'	41.75
L1307	S78° 35' 15"W	211.80'	76.25
L1308	S79° 00' 04"W	100.95'	36.34
L1309	S69° 14' 12"W	97.40'	35.06
L1310	S78° 35' 51"W	385.99'	138.96
L1311	N86° 05' 47"W	312.58'	112.53
L1312	S88° 09' 12"W	99.92'	35.97
L1313	S85° 29' 36"W	65.42'	23.55
L1314	N72° 41' 32"W	210.38'	75.74
L1315	N86° 16' 07"W	135.07'	48.63
L1316	S56° 22' 54"W	88.88'	32.00
L1317	N85° 11' 05"W	200.97'	72.35

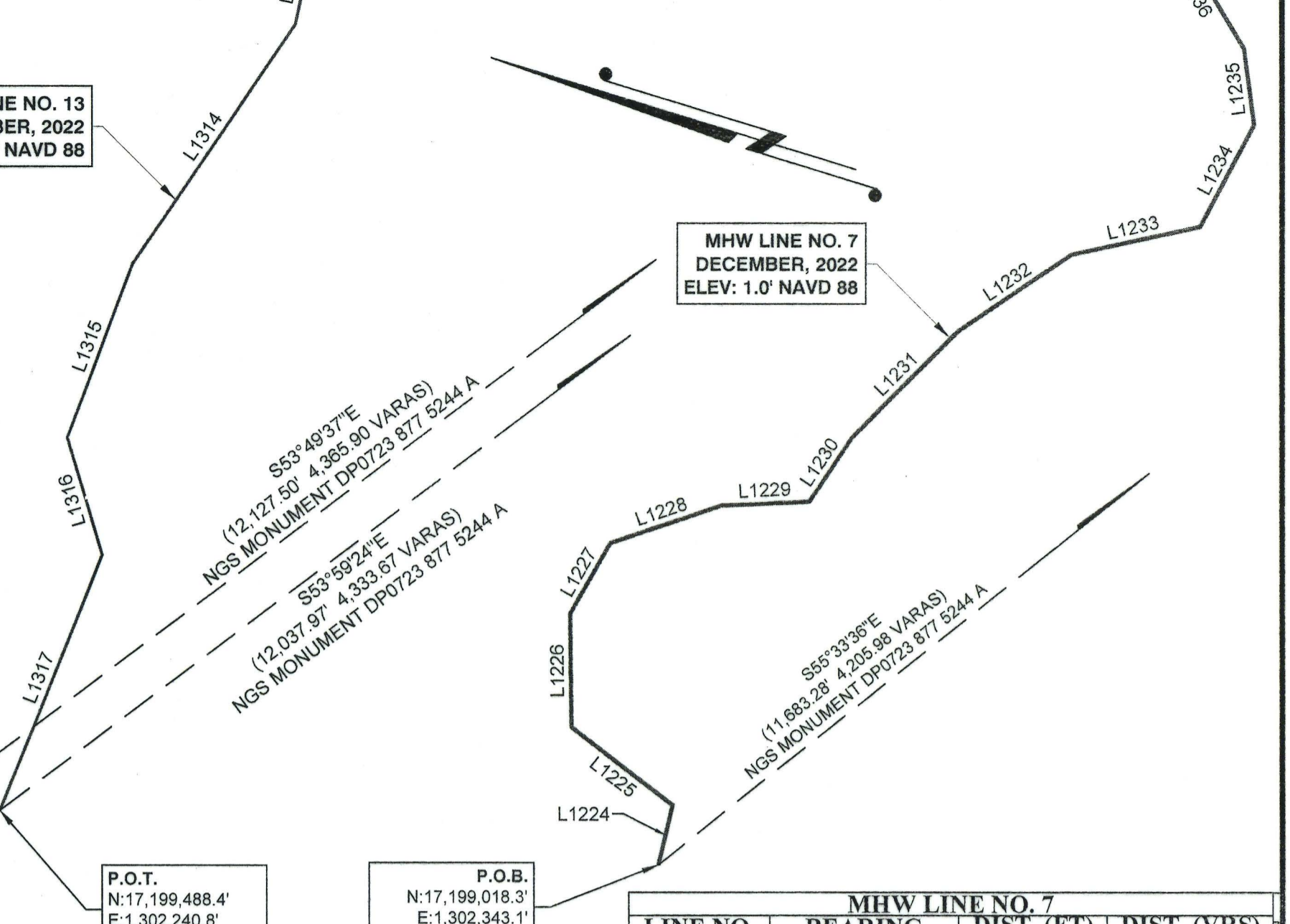
MHW LINE NO. 16			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1345	S57° 05' 14"W	25.10'	9.04
L1346	N49° 25' 22"W	44.92'	16.17
L1347	N57° 36' 28"W	26.45'	9.52
L1348	N62° 00' 44"W	22.25'	8.01
L1349	N47° 45' 15"W	31.67'	11.40
L1350	N37° 47' 40"W	18.15'	6.53
L1351	S74° 15' 05"E	19.75'	7.11
L1352	S57° 59' 35"E	132.94'	47.86



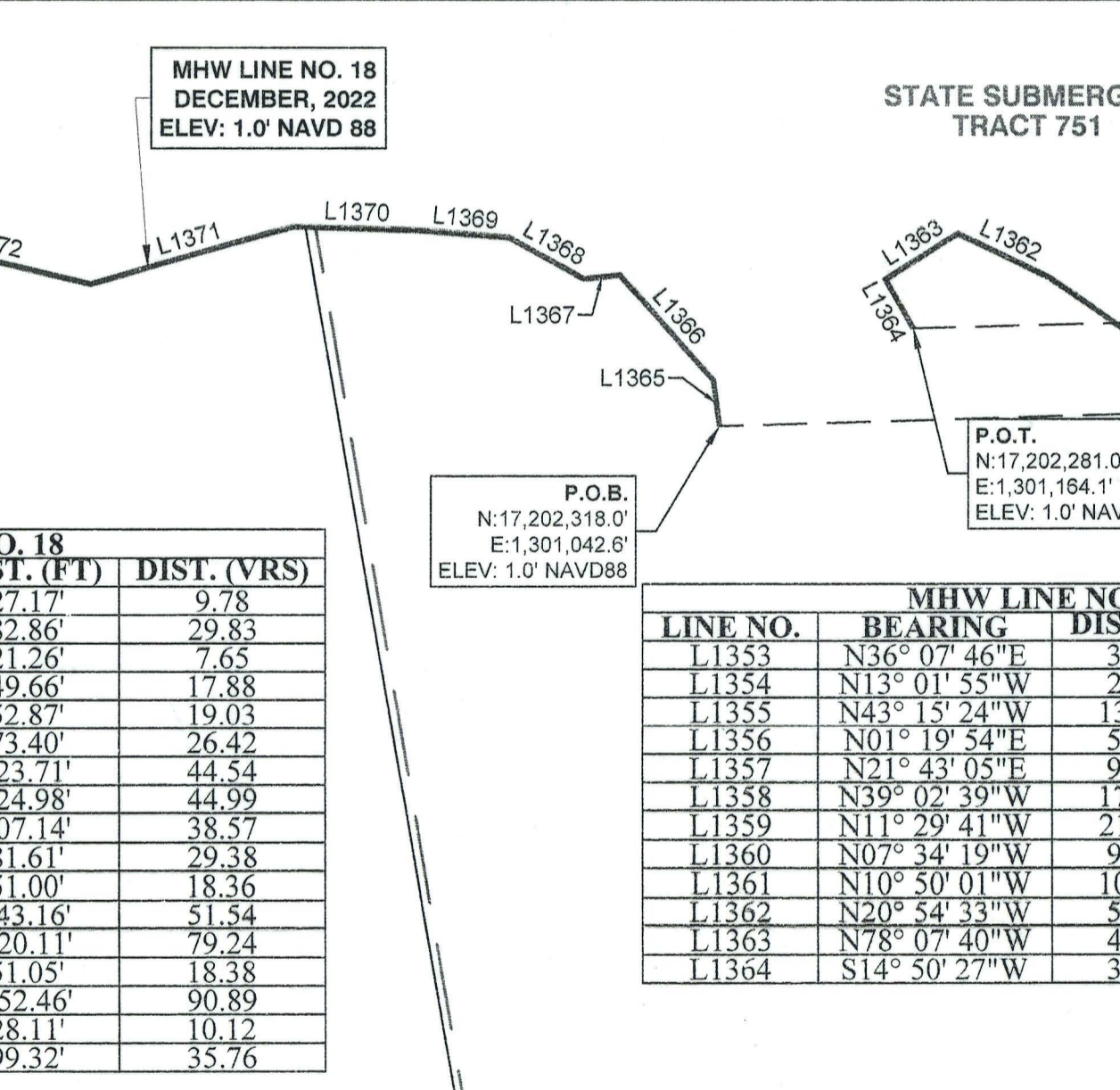
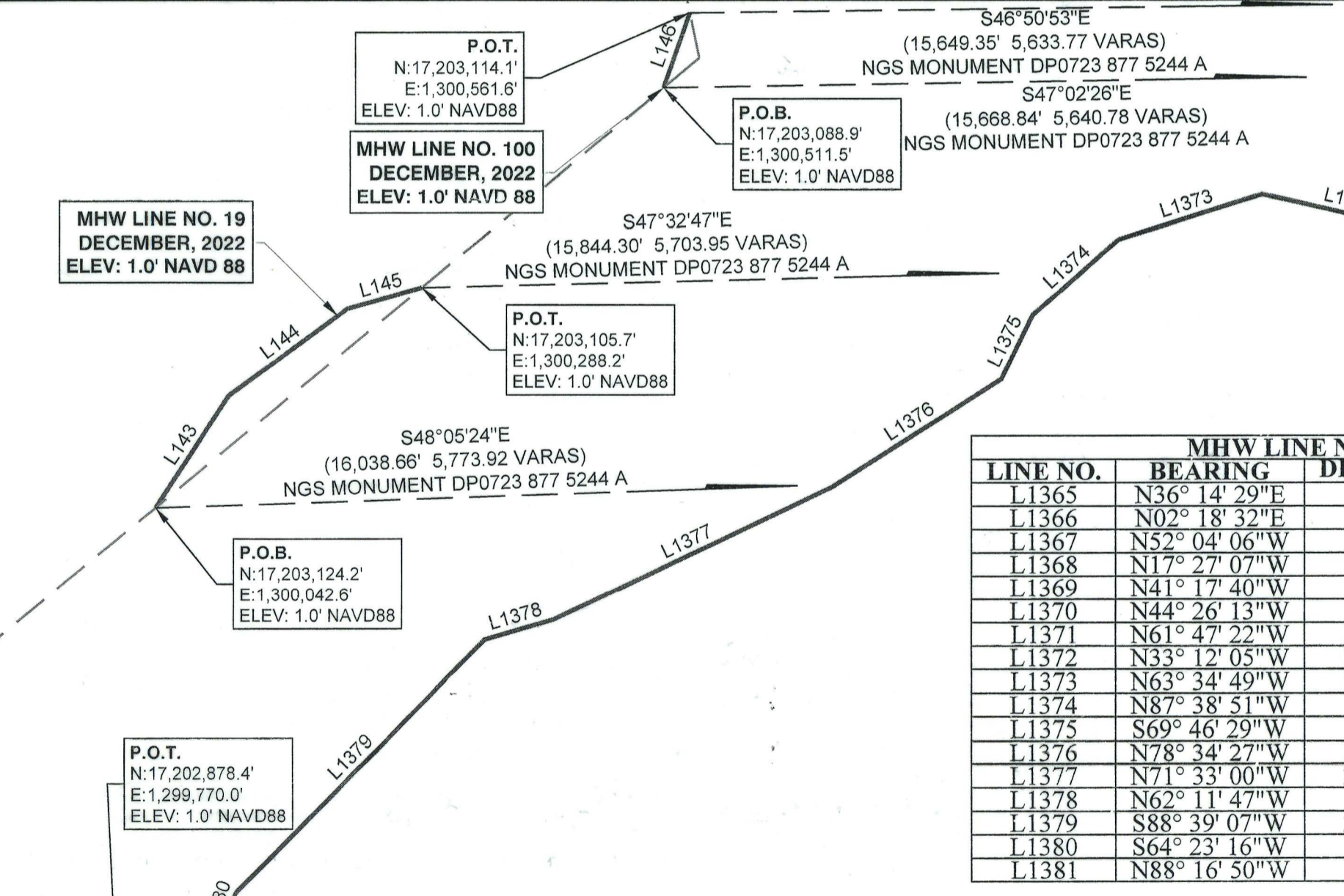
MHW LINE NO. 15			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1326	S81° 04' 32"E	160.44'	57.76
L1327	N23° 54' 56"W	149.28'	53.74
L1328	N15° 41' 07"W	103.88'	37.40
L1329	N02° 29' 33"W	152.41'	54.87
L1330	N77° 43' 03"W	124.00'	44.64
L1331	N37° 37' 18"W	189.43'	68.19
L1332	N54° 03' 27"E	12.01'	4.32
L1333	N89° 13' 39"E	68.98'	24.83
L1334	N53° 41' 33"E	31.83'	11.46
L1335	S60° 11' 48"E	26.94'	9.70
L1336	S87° 32' 33"E	83.49'	30.06
L1337	S69° 37' 43"E	37.98'	13.67
L1338	N66° 46' 48"E	13.77'	4.96
L1339	N21° 37' 10"W	25.72'	9.26
L1340	N58° 16' 34"W	115.59'	41.61
L1341	S79° 21' 53"W	75.10'	27.04
L1342	N66° 25' 50"W	144.43'	51.99
L1343	N71° 12' 13"W	104.47'	37.61
L1344	S88° 27' 47"W	102.53'	36.91



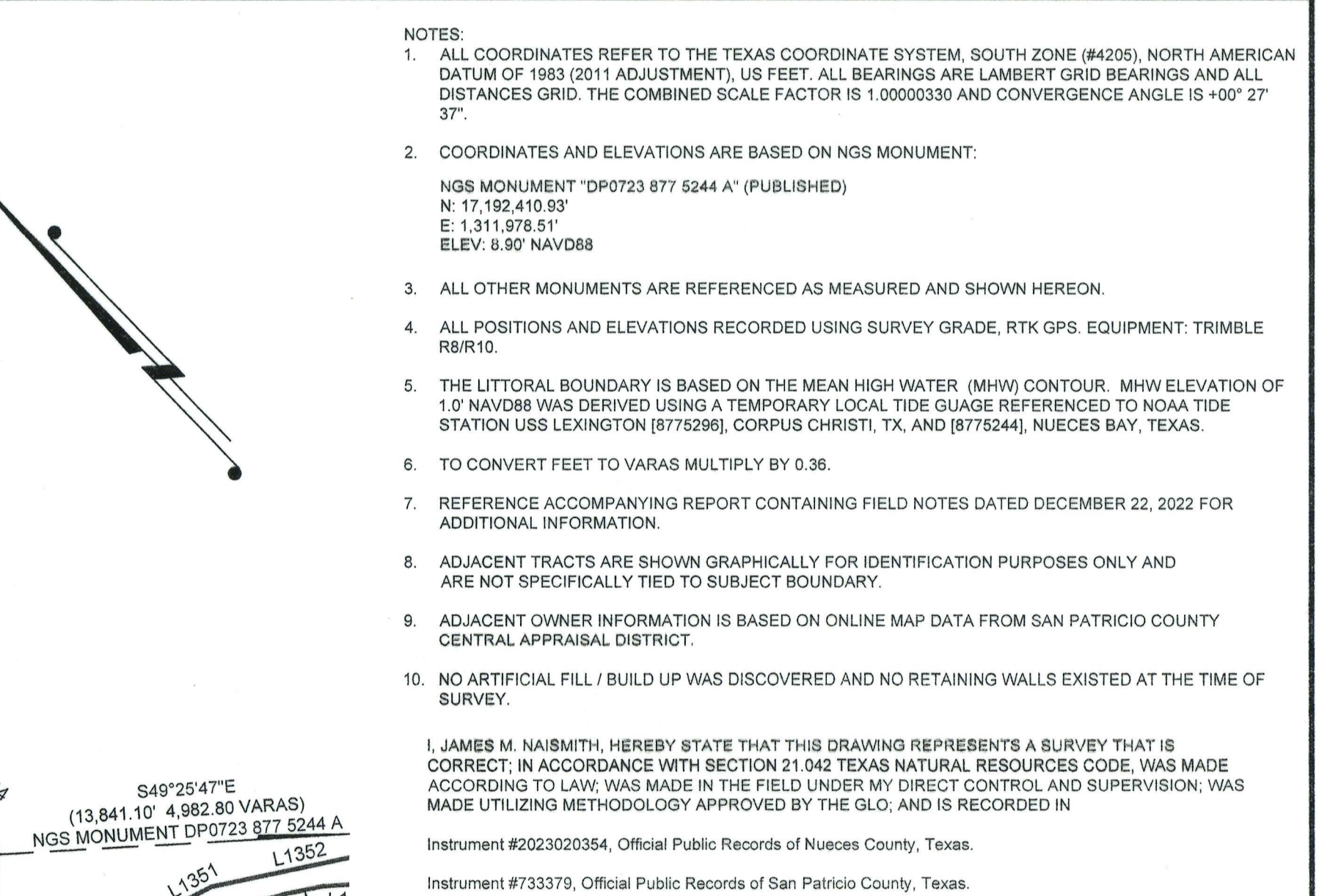
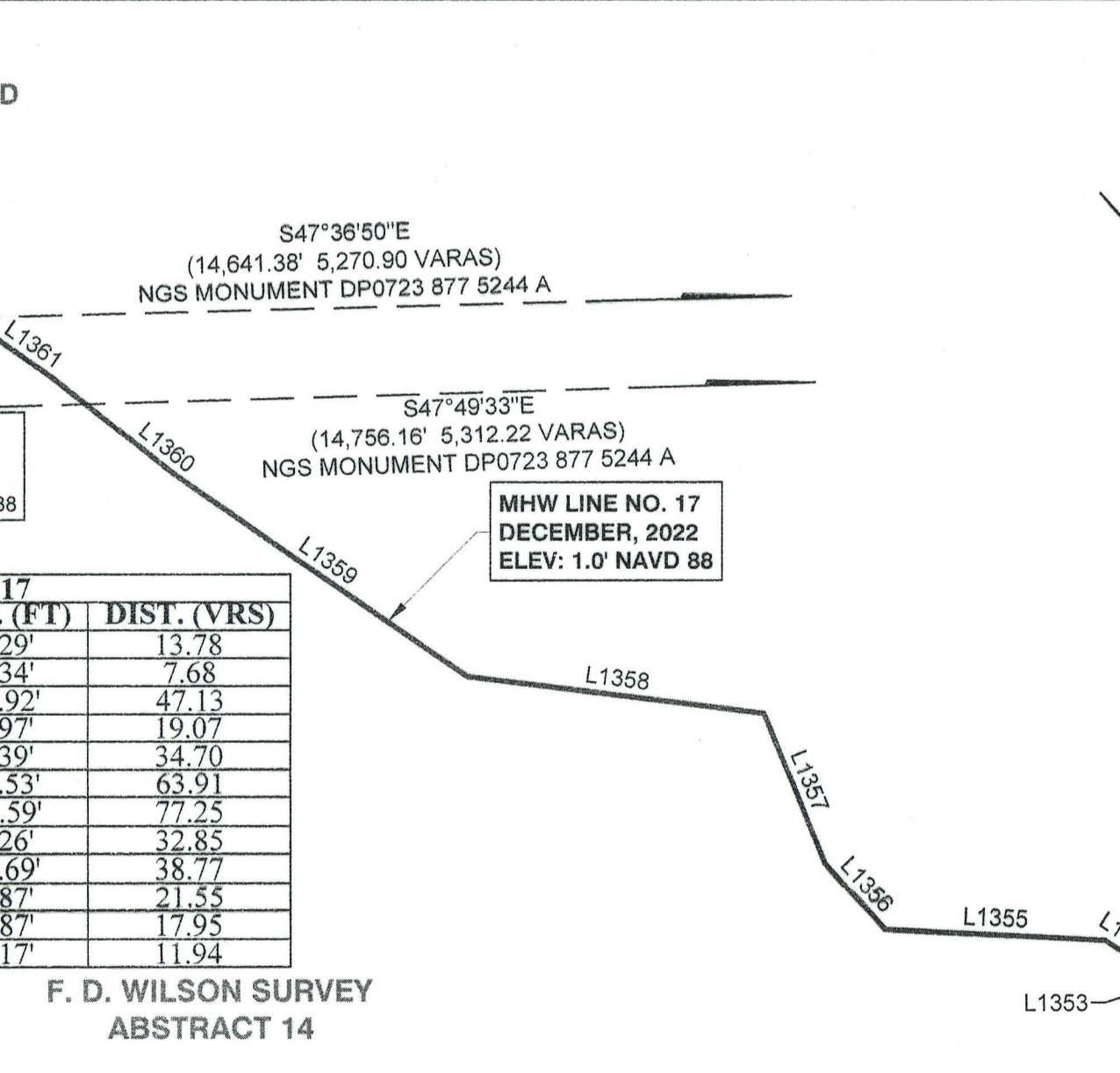
MHW LINE NO. 14			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1318	N42° 28' 09"E	88.57'	31.89
L1319	N48° 17' 50"E	49.02'	17.65
L1320	N15° 30' 43"E	78.03'	28.09
L1321	N14° 58' 37"E	75.31'	27.11
L1322	N03° 32' 49"W	103.03'	37.09
L1323	N19° 56' 50"W	74.89'	26.96
L1324	N50° 09' 52"W	74.82'	26.94
L1325	N72° 38' 41"W	104.93'	37.77



MHW LINE NO. 7			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1224	N86° 37' 03"E	44.50'	16.02
L1225	N20° 52' 58"E	93.19'	33.55
L1226	N72° 23' 31"E	82.58'	29.73
L1227	S77° 20' 12"E	59.39'	21.38
L1228	S35° 39' 30"E	64.02'	23.79
L1229	S19° 39' 56"E	64.02'	23.79
L1230	S72° 56' 29"E	55.97'	20.15
L1231	S62° 05' 59"E	109.61'	39.46
L1232	S50° 46' 47"E	99.57'	35.85
L1233	S29° 08' 14"E	95.53'	34.39
L1234	S79° 02' 50"E	83.79'	30.16
L1235	N65° 30' 52"E	55.86'	20.11
L1236	N42° 22' 59"E	106.17'	38.22
L1237	N84° 57' 26"E	233.68'	84.12
L1238	N00° 34' 47"E	28.46'	10.25



MHW LINE NO. 17			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1353	N36° 07' 46"E	38.29'	13.78
L1354	N13° 01' 55"W	21.34'	7.68
L1355	N43° 15' 24"W	130.92'	47.13
L1356	N01° 19' 54"E	52.97'	19.07
L1357	N21° 43' 05"E	96.39'	34.70
L1358	N39° 02' 39"W	177.53'	63.91
L1359	N11° 29' 41"W	214.59'	77.25
L1360	N07° 34' 19"W	91.26'	32.85
L1361	N10° 50' 01"W	107.69'	38.77
L1362	N20° 54' 33"W	59.87'	21.55
L1363	N78° 07' 40"W	49.87'	17.95
L1364	S14° 50' 27"W	33.17'	11.94



- NOTES:
- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#4205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.00000330 AND CONVERGENCE ANGLE IS +00° 27' 37".
 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT.
 - 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 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON (8775296), CORPUS CHRISTI, TX, AND (8775244), NUECES BAY, TEXAS.
 - TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 - REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 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 SAN PATRICIO COUNTY CENTRAL APPRAISAL DISTRICT.
 - NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE TIME OF SURVEY.

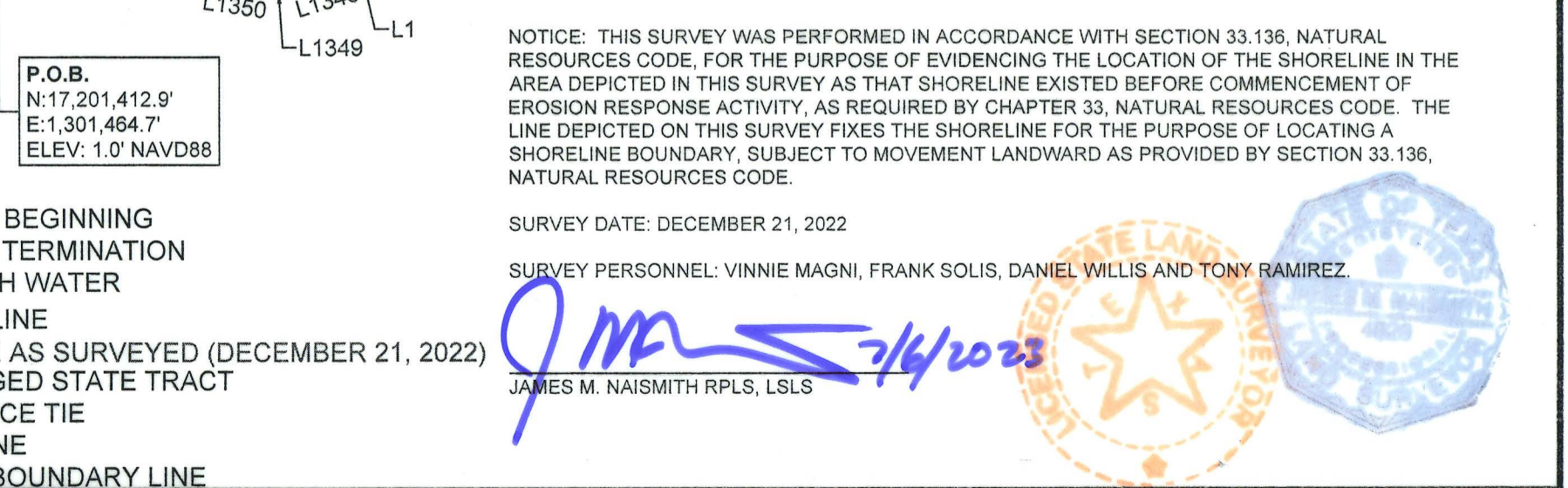
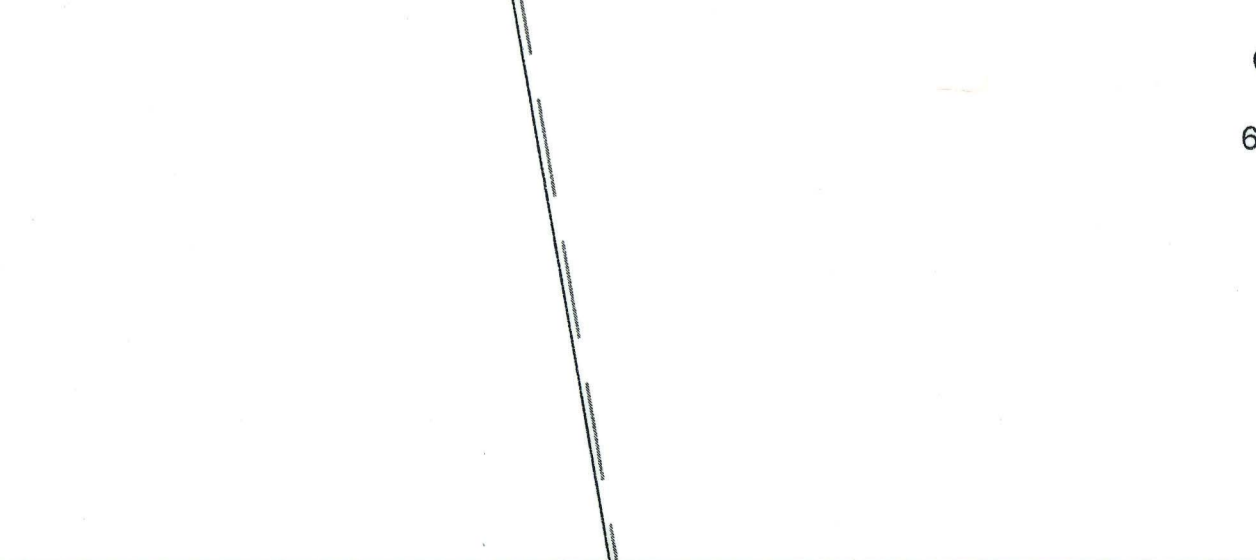
I, JAMES M. NAISMITH, HEREBY STATE THAT THIS DRAWING REPRESENTS A SURVEY THAT IS CORRECT, IN ACCORDANCE WITH SECTION 21.042 TEXAS NATURAL RESOURCES CODE. THIS SURVEY WAS MADE ACCORDING TO LAW, WAS MADE IN THE FIELD UNDER MY DIRECT CONTROL AND SUPERVISION, WAS MADE UTILIZING METHODOLOGY APPROVED BY THE GLO, AND IS RECORDED IN INSTRUMENT #2023020354, OFFICIAL PUBLIC RECORDS OF NUECES COUNTY, TEXAS. INSTRUMENT #733379, OFFICIAL PUBLIC RECORDS OF SAN PATRICIO COUNTY, TEXAS.

NOTICE: THIS SURVEY WAS PERFORMED IN ACCORDANCE WITH SECTION 33.138, 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 33.138, NATURAL RESOURCES CODE.

SURVEY DATE: DECEMBER 21, 2022

SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ.

JAMES M. NAISMITH RPLS, LSLS



CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MCY DREDGED MATERIAL TO:

- COMBAT EROSION BY PROVIDING 395 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 2000' BREAKWATER (TO TIE INTO THE CURRENTLY PLANNED 4000' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 6.2 FT/YR.
- NOURISH DEGRADED HABITAT BY CONVERTING 206 ACRES OF OPEN WATER INTO ESTUARINE MARSH.
- CREATE 120 ACRES OF AN INTERTIDAL LIVING SHORELINE TO PROVIDE SHORELINE PROTECTION AND PREVENT ROAD OVERTOPPING IN THE HORSESHOE.
- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

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

SCALE: 1" = 100'

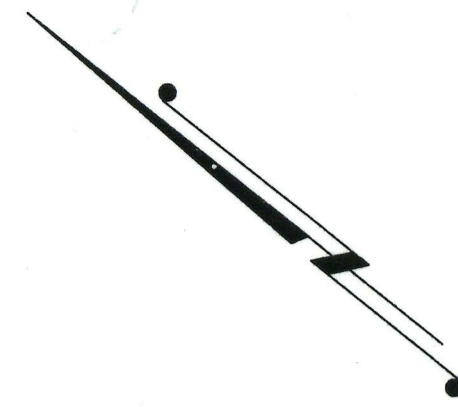
DRAWN BY:	CDW	APPROVED BY:	JMN
DATE:	04/10/2023	JOB NO.:	2022.1784
DRAWING NAME:	PCCA-CBS_NUECES_BAY_21DEC2022_FINAL		
PROJECTION:	TEXAS SOUTH ZONE		
GEO. DATUM:	NAD83 (2011) VERT. DATUM: NAVD88		
GRID UNITS:	US SURVEY FEET		
SHEET NO.:	10	OF	28

COASTAL BOUNDARY SURVEY
NUECES COUNTY & SAN PATRICIO COUNTY

Being the Littoral Boundary of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A, Nueces County and San Patricio County, Texas.

11/02/2022 - P:\Y-2022\2022.1784\DWG\2-4-5-2023\PCCA-CBS_NUECES_BAY_21DEC2022_FINAL.DWG

- NOTES:
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 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT:
NGS MONUMENT "DP0723 877 5244 A" (PUBLISHED)
N: 17,192,410.93'
E: 1,311,978.51'
ELEV: 8.90' NAVD83
 - ALL OTHER MONUMENTS ARE REFERENCED AS MEASURED AND SHOWN HEREON.
 - ALL POSITIONS AND ELEVATIONS RECORDED USING SURVEY GRADE, RTK GPS, EQUIPMENT: TRIMBLE R8R10.
 - THE LITTORAL BOUNDARY IS BASED ON THE MEAN HIGH WATER (MHW) CONTOUR. MHW ELEVATION OF 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON (8775296), CORPUS CHRISTI, TX, AND (8775244), NUECES BAY, TEXAS.
 - TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 - REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 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 SAN PATRICIO COUNTY CENTRAL APPRAISAL DISTRICT.
 - NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE TIME OF SURVEY.



**T. M. MC KAMEY SURVEY
ABSTRACT 6**

KENNETH G. MCKAMEY, ET AL
P.O. BOX 76
GREGORY, TX 78359

COASTAL BEND BAYS & ESTUARIES
PROGRAM INC.
615 N. UPPER BROADWAY SUITE 1200
CORPUS CHRISTI, TX 78401-0749

MHW LINE
JUNE 16, 2021
ELEV: 1.0' NAVD 88

STATE SUBMERGED
TRACT 684

STATE OF TEXAS
102.78 ACRE ACCRETION
(NO ADDRESS LISTED)

NUECES COUNTY

STATE SUBMERGED
TRACT 745

STATE OF TEXAS
ABSTRACT 9
SAN PATRICIO COUNTY

KENNETH G. MCKAMEY, ET AL
P.O. BOX 76
GREGORY, TX 78359

**T. M. MC KAMEY SURVEY
ABSTRACT 6**

NGS MONUMENT "DP0723 877 5244 A" (PUBLISHED)
N: 17,192,410.93'
E: 1,311,978.51'
ELEV: 8.90' NAVD88

COASTAL BEND BAYS & ESTUARIES
PROGRAM INC.
615 N. UPPER BROADWAY SUITE 1200
CORPUS CHRISTI, TX 78401-0749

A. E. RAMSEY SURVEY
ABSTRACT 7

STATE OF TEXAS
102.78 ACRE ACCRETION
(NO ADDRESS LISTED)

J.D. WHEELER
(NO ADDRESS LISTED)

T.A. FISHER
(NO ADDRESS LISTED)

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

Instrument #2023020354, Official Public Records of Nueces County, Texas.
Instrument #733379, Official Public Records of San Patricio County, Texas.

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 21, 2022
SURVEY PERSONNEL: WINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ

JAMES M. NAISMITH RPLS, LLS

- LEGEND:**
- P.O.B. POINT OF BEGINNING
 - P.O.T. POINT OF TERMINATION
 - MHW MEAN HIGH WATER
 - SURVEY LINE
 - MHW LINE AS SURVEYED (DECEMBER 21, 2022)
 - SUBMERGED STATE TRACT
 - REFERENCE TIE
 - TRACT LINE
 - SURVEY BOUNDARY LINE

CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MCY DREDGED MATERIAL TO:

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REV. NO.	REV. DATE	REV. DESCRIPTION	REV. BY
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REVISIONS			

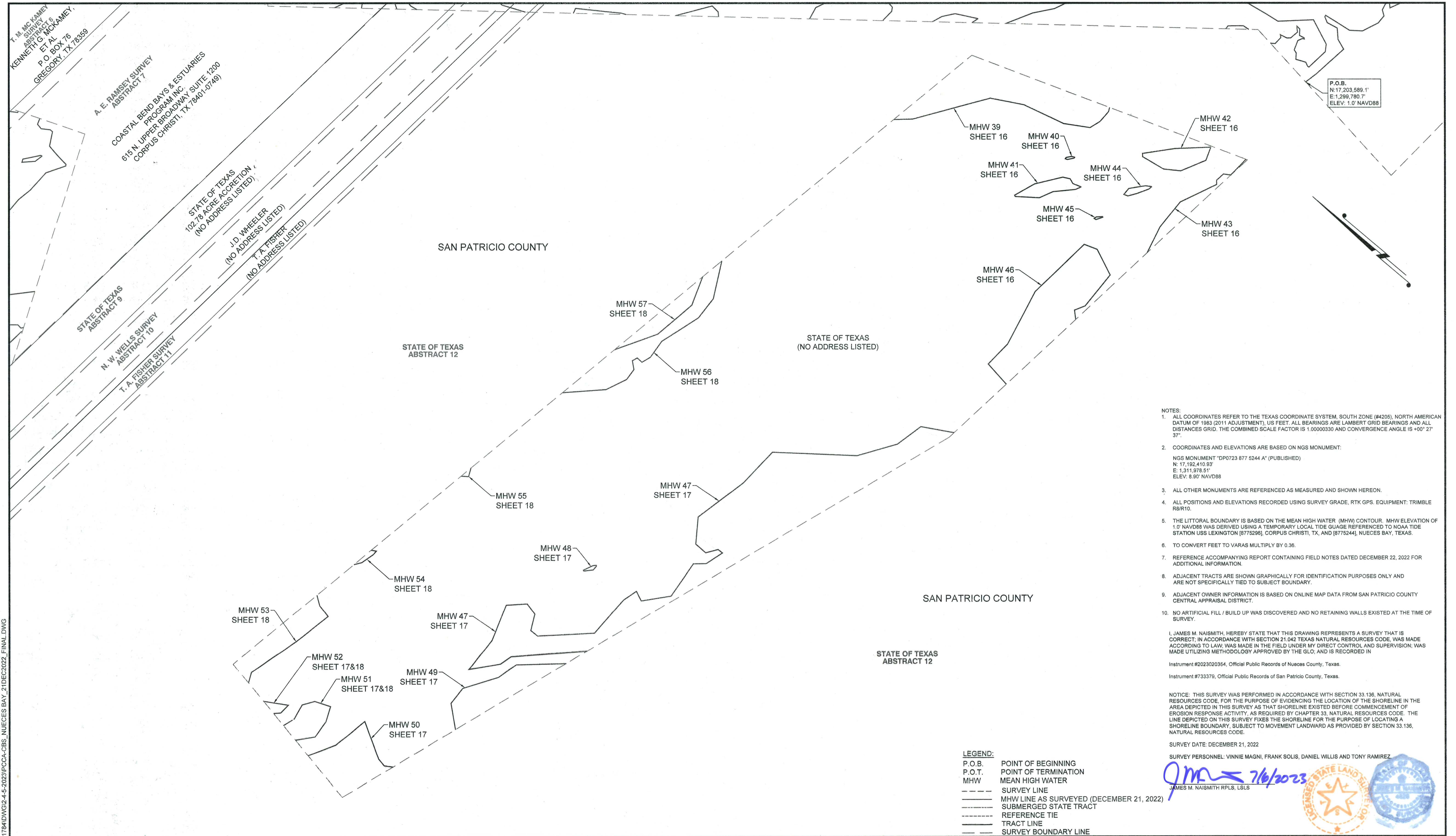
T. BAKER SMITH
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(361)334-5719 - tbsmith.com
TBPLS #10194575

COVERPAGE
NOT TO SCALE

DRAWN BY:	CDW	APPROVED BY:	JMN
DATE:	04/10/2023	JOB NO.:	2022.1784
DRAWING NAME: PCCA-CBS_NUECES_BAY_21DEC2022_FINAL			
PROJECTION: TEXAS SOUTH ZONE GEO. DATUM: NAD83 (2011) VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET			
SHEET NO.:	11	OF	28

COASTAL BOUNDARY SURVEY
NUECES COUNTY & SAN PATRICIO COUNTY
Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 705, 745, 746, 746A and 750A, Nueces County and San Patricio County, Texas.

11/9/2022, P:\Y-2023\2022-1784\DWG\2-4-5-2023\PCCA-CBS_NUECES_BAY_21DEC2022_FINAL.DWG



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N: 17,192,410.83'
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SURVEY DATE: DECEMBER 21, 2022
SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ

LEGEND:
 P.O.B. POINT OF BEGINNING
 P.O.T. POINT OF TERMINATION
 MHW MEAN HIGH WATER
 - - - - SURVEY LINE
 - - - - MHW LINE AS SURVEYED (DECEMBER 21, 2022)
 - - - - SUBMERGED STATE TRACT
 - - - - REFERENCE TIE
 - - - - TRACT LINE
 - - - - SURVEY BOUNDARY LINE

JM 7/6/2023
 JAMES M. NAISMITH RPLS, LSLs

11/19/2022 - P:\Y-2022\2022.1784\DWG\2-4-5-2023\PCCA-CBS_NUECES BAY_21DEC2022_FINAL.DWG

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- CREATE 129 ACRES OF AN INTERTIDAL LIVING SHORELINE TO PROVIDE SHORELINE PROTECTION AND PREVENT ROAD OVERTOPPING IN THE HORSESHOE.
- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

REV. NO.	REV. DATE	REV. DESCRIPTION	REV. BY.
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REVISIONS			

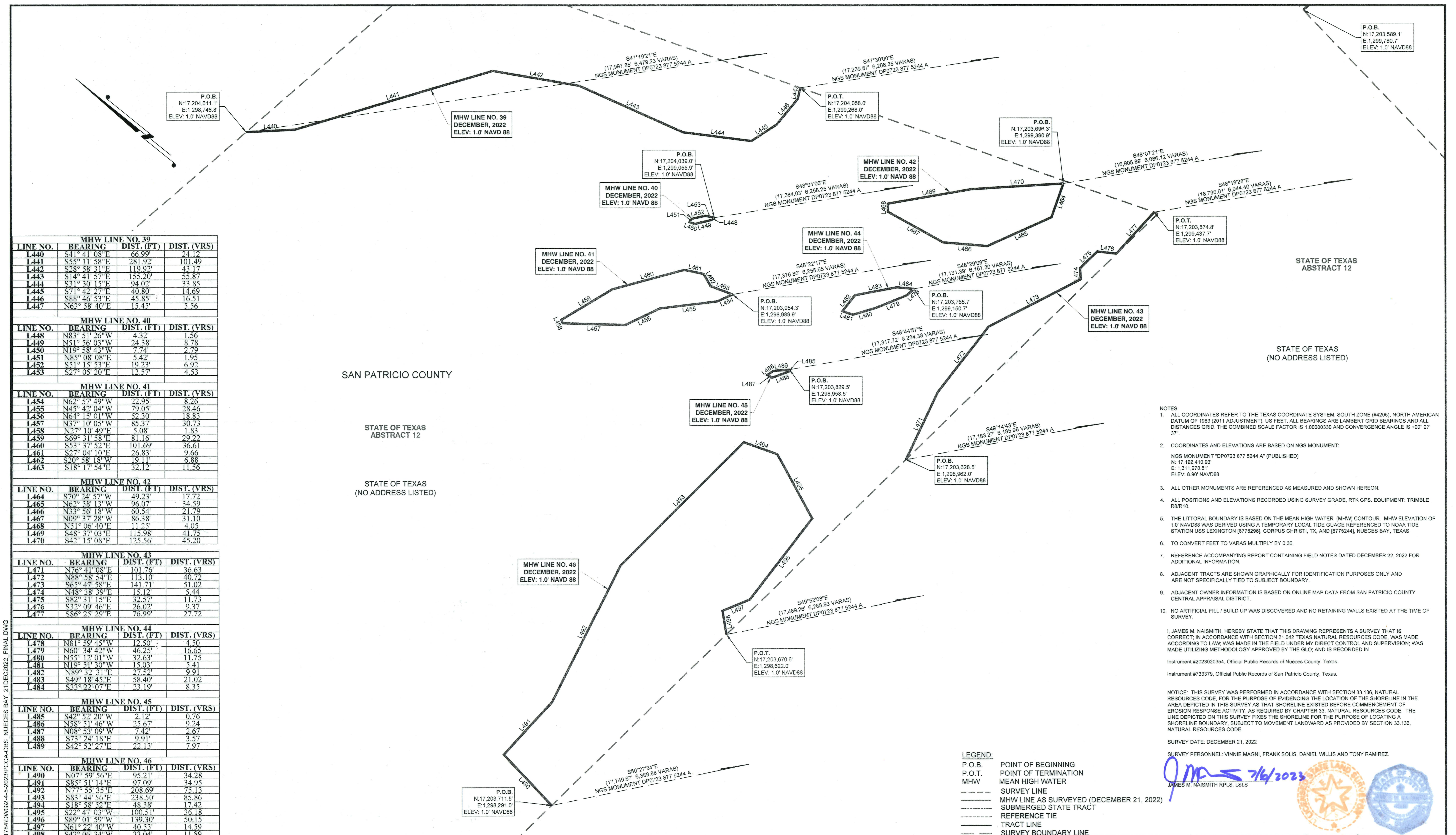
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DATE:	04/10/2023	JOB NO.:	2022-1784
DRAWING NAME:	PCCA-CBS_NUECES BAY_21DEC2022_FINAL		
PROJECTION:	TEXAS SOUTH ZONE		
GEO. DATUM:	NAD83 (2011) VERT. DATUM: NAVD88		
GRID UNITS:	US SURVEY FEET		
SHEET NO.:	15	OF	28

COASTAL BOUNDARY SURVEY
 NUECES COUNTY & SAN PATRICIO COUNTY

Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odom Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A, Nueces County and San Patricio County, Texas.



MHW LINE NO. 39

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L440	S41° 41' 08" E	66.99'	24.12
L441	S55° 11' 58" E	281.92'	101.49
L442	S28° 58' 31" E	119.92'	43.17
L443	S14° 41' 57" E	155.20'	55.87
L444	S31° 30' 15" E	94.02'	33.85
L445	S71° 42' 27" E	40.80'	14.69
L446	S88° 46' 53" E	45.85'	16.51
L447	N63° 58' 40" E	15.45'	5.56

MHW LINE NO. 40

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L448	N83° 51' 26" W	4.32'	1.56
L449	N51° 56' 03" W	24.38'	8.78
L450	N19° 58' 43" W	7.74'	2.79
L451	N85° 08' 08" E	3.42'	1.25
L452	S51° 15' 53" E	19.23'	6.92
L453	S27° 05' 20" E	12.57'	4.53

MHW LINE NO. 41

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L454	N62° 57' 49" W	22.95'	8.26
L455	N45° 42' 04" W	79.05'	28.46
L456	N64° 15' 01" W	52.30'	18.83
L457	N37° 10' 05" W	85.37'	30.73
L458	N27° 10' 49" E	5.08'	1.83
L459	S69° 31' 58" E	81.16'	29.22
L460	S53° 37' 52" E	101.69'	36.61
L461	S27° 04' 10" E	26.83'	9.66
L462	S20° 58' 18" W	19.11'	6.88
L463	S18° 17' 54" E	32.12'	11.56

MHW LINE NO. 42

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L464	S70° 24' 57" W	49.23'	17.72
L465	N62° 58' 13" W	96.07'	34.59
L466	N33° 56' 18" W	60.54'	21.79
L467	N09° 37' 28" W	86.38'	31.10
L468	N51° 06' 40" E	11.25'	4.05
L469	S48° 37' 03" E	115.98'	41.75
L470	S42° 15' 08" E	125.56'	45.20

MHW LINE NO. 43

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L471	N76° 41' 08" E	101.76'	36.63
L472	N88° 58' 54" E	113.10'	40.72
L473	S65° 47' 58" E	141.71'	51.02
L474	N48° 58' 39" E	15.12'	5.44
L475	S82° 31' 15" E	32.57'	11.73
L476	S32° 09' 46" E	26.02'	9.37
L477	S86° 25' 29" E	76.99'	27.72

MHW LINE NO. 44

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L478	N81° 59' 45" W	12.50'	4.50
L479	N60° 34' 42" W	46.25'	16.65
L480	N55° 12' 01" W	32.63'	11.75
L481	N19° 51' 30" W	15.03'	5.41
L482	N89° 32' 31" E	27.52'	9.91
L483	S49° 18' 45" E	58.40'	21.02
L484	S33° 22' 07" E	23.19'	8.35

MHW LINE NO. 45

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L485	S42° 52' 20" W	2.12'	0.76
L486	N58° 51' 46" W	25.67'	9.24
L487	N08° 53' 09" W	7.42'	2.67
L488	S73° 24' 18" E	9.91'	3.57
L489	S42° 52' 27" E	22.13'	7.97

MHW LINE NO. 46

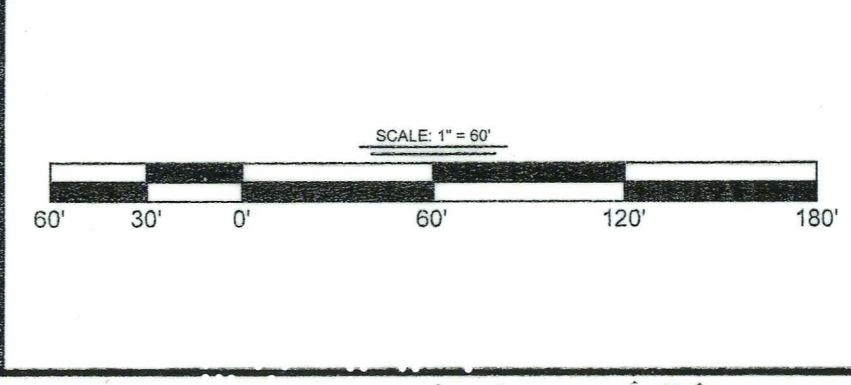
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L490	N07° 59' 56" E	95.21'	34.28
L491	S85° 51' 14" E	97.09'	34.95
L492	N77° 55' 35" E	208.69'	75.13
L493	S83° 44' 56" E	238.50'	85.86
L494	S18° 58' 52" E	48.38'	17.42
L495	S22° 47' 03" W	100.51'	36.18
L496	S89° 01' 59" W	139.30'	50.15
L497	N61° 22' 40" W	40.53'	14.59
L498	S42° 06' 34" W	33.04'	11.89

CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MCY DREDGED MATERIAL TO

- COMBAT EROSION BY PROVIDING 395 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 2000' BREAKWATER (TO TIE INTO THE CURRENTLY PLANNED 4000' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 8.2 FT/YR.
- NOURISH DEGRADED HABITAT BY CONVERTING 205 ACRES OF OPEN WATER INTO ESTUARINE MARSH.
- CREATE 120 ACRES OF AN INTERTIDAL LIVING SHORELINE TO PROVIDE SHORELINE PROTECTION AND PREVENT ROAD OVERTOPPING IN THE HORSESHOE.
- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

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



LEGEND:

- P.O.B. POINT OF BEGINNING
- P.O.T. POINT OF TERMINATION
- MHW MEAN HIGH WATER
- SURVEY LINE
- MHW LINE AS SURVEYED (DECEMBER 21, 2022)
- SUBMERGED STATE TRACT
- REFERENCE TIE
- TRACT LINE
- SURVEY BOUNDARY LINE

DRAWN BY:	CDW	APPROVED BY:	JMN
DATE:	04/10/2023	JOB NO.:	2022.1784
DRAWING NAME:	PCCA-CBS_NUECES_BAY_21DEC2022_FINAL		
PROJECTION:	TEXAS SOUTH ZONE		
GEO. DATUM:	NAD83 (2011) VERT. DATUM: NAVD88		
GRID UNITS:	US SURVEY FEET		
SHEET NO.:	16	OF	28

COASTAL BOUNDARY SURVEY
NUECES COUNTY & SAN PATRICIO COUNTY

Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villalreal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A, Nueces County and San Patricio County, Texas.

- NOTES:
1. ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#4205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.00000330 AND CONVERGENCE ANGLE IS +0° 27' 37".
 2. COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT:
NGS MONUMENT "DP0723 877 5244 A" (PUBLISHED)
N: 17,192,410.93'
E: 1,311,978.51'
ELEV: 8.90' NAVD88
 3. ALL OTHER MONUMENTS ARE REFERENCED AS MEASURED AND SHOWN HEREON.
 4. ALL POSITIONS AND ELEVATIONS RECORDED USING SURVEY GRADE, RTK GPS, EQUIPMENT: TRIMBLE R8/R10.
 5. THE LITTORAL BOUNDARY IS BASED ON THE MEAN HIGH WATER (MHW) CONTOUR. MHW ELEVATION OF 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON (8775296), CORPUS CHRISTI, TX, AND (8775244), NUECES BAY, TEXAS.
 6. TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 7. REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 FOR ADDITIONAL INFORMATION.
 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 SAN PATRICIO COUNTY CENTRAL APPRAISAL DISTRICT.
 10. NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE 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 GEO, AND IS RECORDED IN

Instrument #2023020354, Official Public Records of Nueces County, Texas.
Instrument #733379, Official Public Records of San Patricio County, Texas.

NOTICE: THIS SURVEY WAS PERFORMED IN ACCORDANCE WITH SECTION 33.135, 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 21, 2022
SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ.

Signature: James M. Naismith, dated 7/6/2023.
Seal of the State of Texas.
Seal of the Surveyor General of Texas.

11/19/2022 - P:\V-2022\2022.1784\DWG\3-4-5-2023\PCCA-CBS_NUECES_BAY_21DEC2022_FINAL.DWG

MHW LINE NO. 48			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L526	N88° 43' 52"W	18.06'	6.50
L527	N46° 23' 01"W	33.47'	12.05
L528	N22° 57' 04"E	3.19'	1.15
L529	S65° 16' 56"E	38.00'	13.68
L530	S44° 32' 41"E	11.21'	4.04
L531	S27° 39' 04"W	2.88'	1.04

MHW LINE NO. 47
DECEMBER, 2022
ELEV: 1.0' NAVD88

STATE OF TEXAS
(NO ADDRESS LISTED)

SAN PATRICIO COUNTY

MHW LINE NO. 47			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L499	N44° 25' 44"W	267.81'	96.41
L500	N73° 30' 01"W	44.95'	16.18
L501	N49° 41' 26"W	112.21'	40.40
L502	N88° 32' 54"E	128.99'	46.44
L503	N71° 52' 16"E	134.74'	48.51
L504	S43° 40' 50"E	73.42'	26.43
L505	S13° 15' 16"W	45.32'	16.32
L506	S63° 43' 40"W	59.22'	21.32
L507	S00° 49' 34"E	30.72'	11.06
L508	S42° 59' 31"E	200.50'	72.18
L509	S88° 49' 56"E	156.19'	56.23
L510	S74° 11' 43"E	53.72'	19.34
L511	S23° 24' 28"W	37.69'	13.57
L512	S49° 15' 10"E	106.19'	38.23
L513	N84° 45' 56"E	137.56'	49.52
L514	S40° 58' 29"E	45.18'	16.26
L515	S73° 00' 50"E	67.47'	24.29
L516	N00° 48' 16"W	19.23'	6.92
L517	N54° 51' 56"W	45.18'	16.26
L518	N01° 26' 44"E	46.45'	16.72
L519	N54° 57' 32"E	95.86'	34.51
L520	S77° 05' 41"E	200.82'	72.30
L521	S86° 48' 07"E	146.81'	52.85
L522	S37° 43' 10"E	297.40'	107.06
L523	S55° 57' 19"E	147.49'	53.10
L524	S76° 51' 25"E	102.78'	37.00
L525	S29° 43' 36"E	118.69'	42.73

P.O.T.
N:17,203,742.2'
E:1,298,042.7'
ELEV: 1.0' NAVD88

STATE OF TEXAS
(NO ADDRESS LISTED)

- NOTES:
- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#4205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.00000330 AND CONVERGENCE ANGLE IS +0° 27' 37".
 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT:
NGS MONUMENT "DP0723 877 5244 A" (PUBLISHED)
N: 17,192,410.93'
E: 1,311,978.51'
ELEV: 8.80' 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 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON (8775296), CORPUS CHRISTI, TX, AND (8775244), NUECES BAY, TEXAS.
 - TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 - REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 FOR ADDITIONAL INFORMATION.
 - ADJACENT TRACTS ARE SHOWN GRAPHICALLY FOR IDENTIFICATION PURPOSES ONLY AND ARE NOT SPECIFICALLY TIED TO SUBJECT BOUNDARY.
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 - NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE 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
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- SURVEY DATE: DECEMBER 21, 2022
SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ

MHW LINE NO. 49			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L532	N40° 01' 43"E	92.08'	33.15
L533	N88° 28' 37"E	66.97'	24.11
L534	S57° 09' 13"E	131.31'	47.27
L535	S75° 16' 35"E	76.29'	27.46
L536	S41° 31' 31"E	175.69'	63.25

MHW LINE NO. 50			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L537	S60° 12' 09"E	104.18'	37.50
L538	S79° 04' 24"E	130.88'	47.12
L539	S29° 30' 50"W	140.51'	50.58
L540	S09° 28' 16"W	29.83'	10.74
L541	S32° 13' 31"E	31.07'	11.19

MHW LINE NO. 51			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L542	S71° 22' 26"E	44.45'	16.00
L543	N80° 08' 14"E	55.75'	20.07
L544	S55° 29' 32"E	45.79'	16.48
L545	S21° 40' 37"E	58.51'	21.06
L546	S67° 15' 42"W	54.56'	19.64
L547	S85° 54' 29"W	64.46'	23.21
L548	N49° 53' 10"W	70.32'	25.32

MHW LINE NO. 52			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L549	S31° 00' 52"E	87.73'	31.58
L550	N85° 21' 45"W	38.17'	13.74
L551	N43° 23' 31"W	24.88'	8.96

SAN PATRICIO COUNTY

STATE OF TEXAS
(NO ADDRESS LISTED)

STATE OF TEXAS
ABSTRACT 12

MHW LINE NO. 48			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L526	N88° 43' 52"W	18.06'	6.50
L527	N46° 23' 01"W	33.47'	12.05
L528	N22° 57' 04"E	3.19'	1.15
L529	S65° 16' 56"E	38.00'	13.68
L530	S44° 32' 41"E	11.21'	4.04
L531	S27° 39' 04"W	2.88'	1.04

MHW LINE NO. 48
DECEMBER, 2022
ELEV: 1.0' NAVD88

P.O.B.
N:17,204,401.8'
E:1,296,875.7'
ELEV: 1.0' NAVD88

(19,284.04' 8,942.25' VARAS)
NGS MONUMENT DP0723 877 5244 A

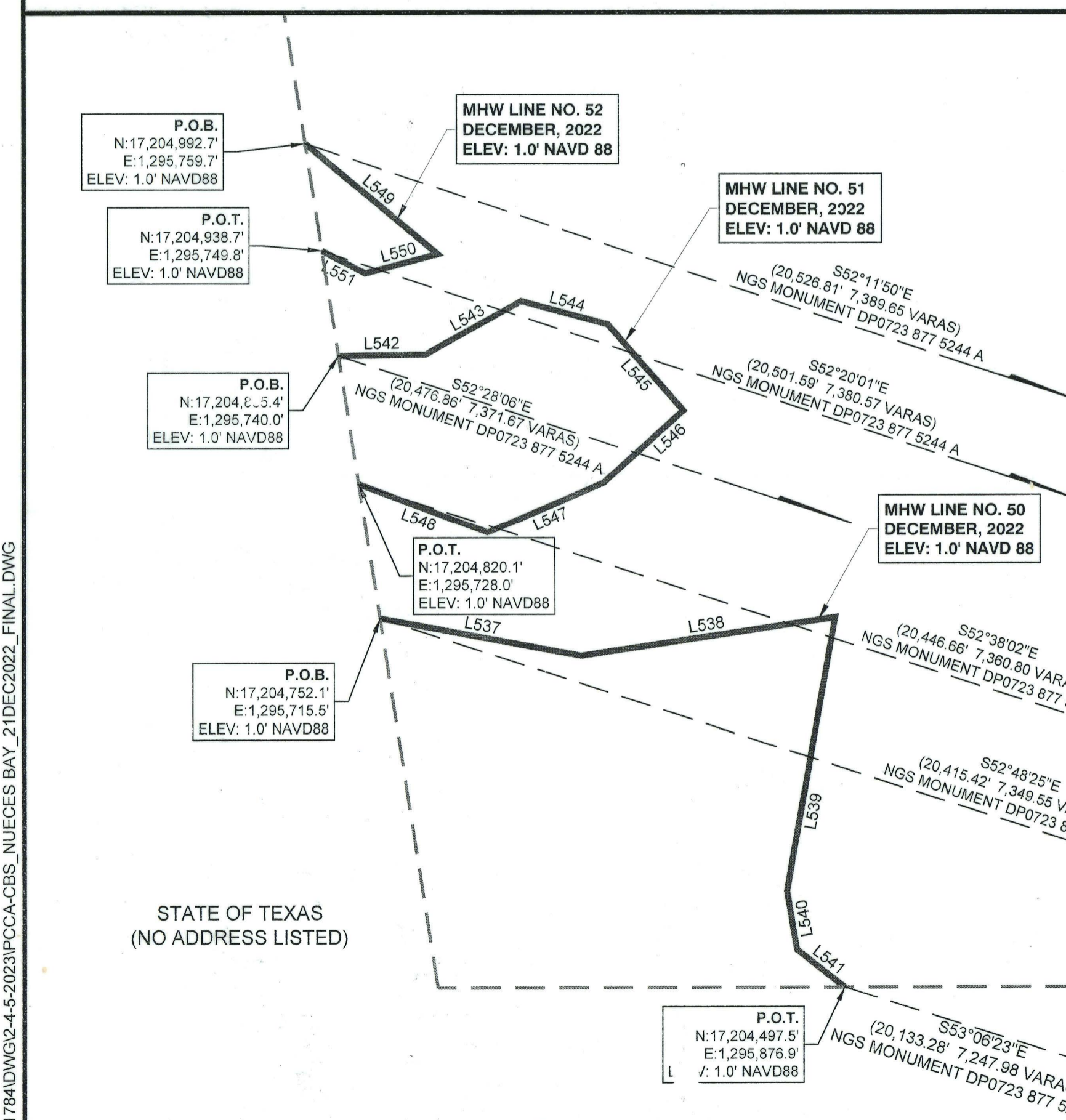
- LEGEND:
- P.O.B. POINT OF BEGINNING
 - P.O.T. POINT OF TERMINATION
 - MHW MEAN HIGH WATER
 - SURVEY LINE
 - MHW LINE AS SURVEYED (DECEMBER 21, 2022)
 - SUBMERGED STATE TRACT
 - REFERENCE TIE
 - TRACT LINE
 - SURVEY BOUNDARY LINE

P.O.B.
N:17,204,234.8'
E:1,296,825.2'
ELEV: 1.0' NAVD88

P.O.T.
N:17,204,283.0'
E:1,296,544.8'
ELEV: 1.0' NAVD88

P.O.B.
N:17,204,412.9'
E:1,296,117.9'
ELEV: 1.0' NAVD88

P.O.T.
N:17,204,497.5'
E:1,295,876.9'
ELEV: 1.0' NAVD88



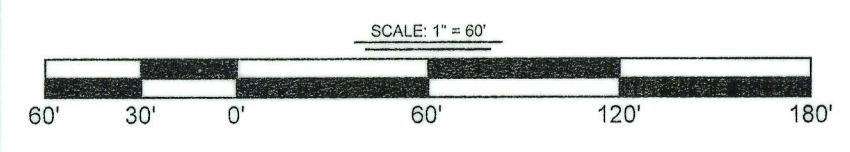
STATE OF TEXAS
(NO ADDRESS LISTED)

CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MCY DREDGED MATERIAL TO

- COMBAT EROSION BY PROVIDING 395 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 2000' BREAKWATER (TO TIE INTO THE CURRENTLY PLANNED 4000' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 8.2 FT/YR.
- NOURISH DEGRADED HABITAT BY CONVERTING 206 ACRES OF OPEN WATER INTO ESTUARINE MARSH.
- CREATE 120 ACRES OF AN INTERTIDAL LIVING SHORELINE TO PROVIDE SHORELINE PROTECTION AND PREVENT ROAD OVERTOPPING IN THE HORSESHOE.
- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

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:	JMM
DATE:	04/10/2023	JOB NO.:	2022.1784
DRAWING NAME:	PCCA-CBS, NUECES BAY_21DEC2022_FINAL		
PROJECTION:	TEXAS SOUTH ZONE		
GEO. DATUM:	NAD83 (2011) VERT. DATUM: NAVD88		
GRID UNITS:	US SURVEY FEET		
SHEET NO.:	17	OF	28

COASTAL BOUNDARY SURVEY
NUECES COUNTY & SAN PATRICIO COUNTY

Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villalreal Survey, Abstract No. 1, I. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A. Nueces Bay and San Patricio County, Texas.

Signature: JMM 7/6/2023
JAMES M. NAISMITH RPLS, LLSL

MHW LINE NO. 51			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L542	S71° 22' 26"E	44.45'	16.00
L543	N80° 08' 14"E	55.75'	20.07
L544	S55° 09' 32"E	45.79'	16.48
L545	S21° 40' 37"E	54.51'	21.06
L546	S67° 15' 42"W	54.56'	19.64
L547	S85° 54' 29"W	64.46'	23.21
L548	N49° 53' 10"W	70.32'	25.32

MHW LINE NO. 52			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L549	S31° 00' 52"E	87.73'	31.58
L550	N85° 21' 45"W	38.17'	13.74
L551	N43° 23' 31"W	24.88'	8.96

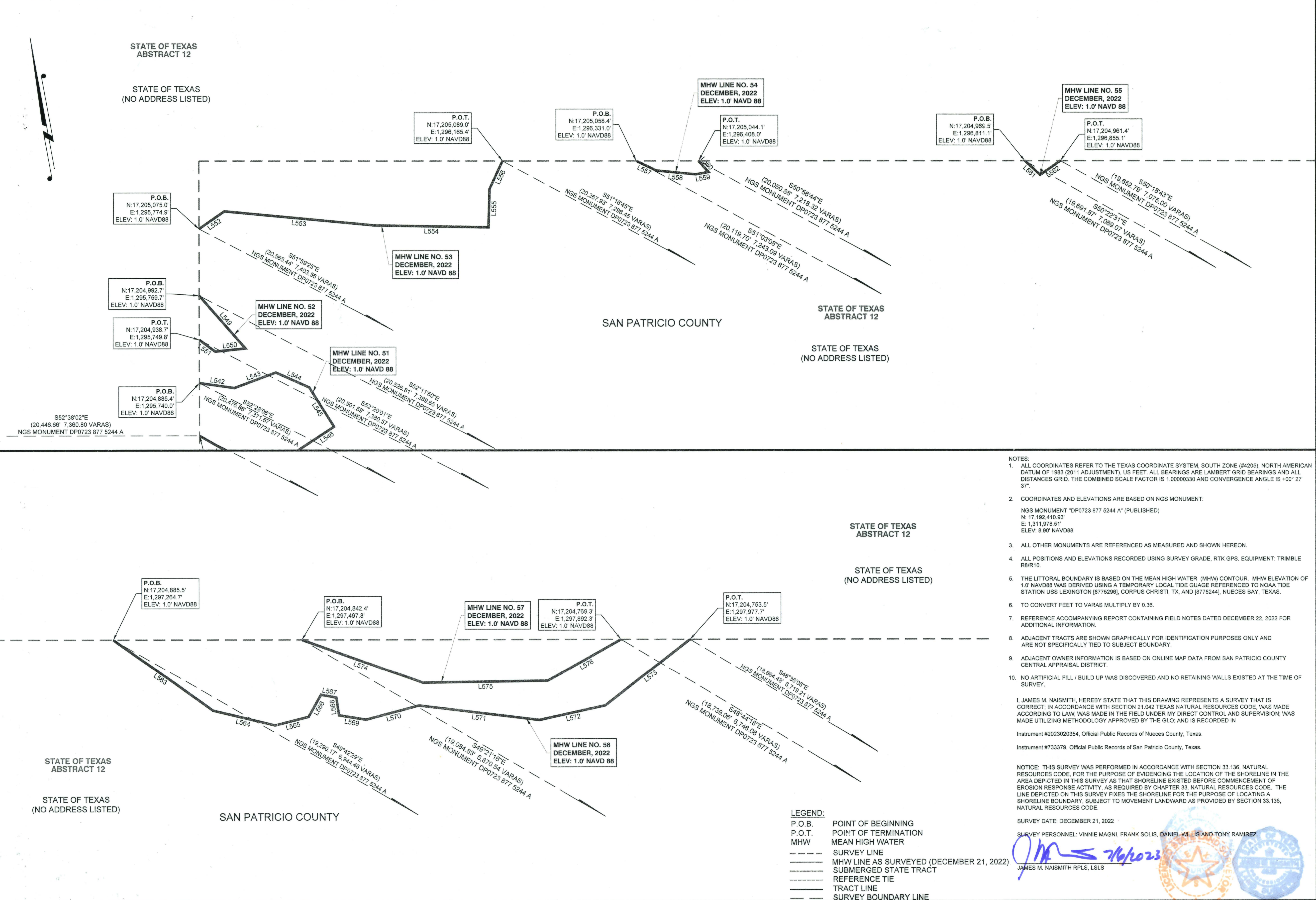
MHW LINE NO. 53			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L552	N65° 51' 51"E	38.69'	13.93
L553	S74° 11' 03"E	189.55'	68.24
L554	S78° 32' 08"E	143.29'	51.58
L555	N15° 03' 08"E	47.69'	17.17
L556	N35° 20' 08"E	38.85'	13.99

MHW LINE NO. 54			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L557	S53° 59' 25"E	28.14'	10.13
L558	S73° 58' 41"E	49.42'	17.79
L559	S89° 38' 55"E	16.31'	5.87
L560	N30° 47' 38"W	18.65'	6.71

MHW LINE NO. 55			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L561	S36° 50' 04"E	26.32'	9.48
L562	N65° 24' 20"E	31.04'	11.17

MHW LINE NO. 56			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L563	S44° 10' 09"E	153.67'	55.32
L564	S66° 12' 57"E	80.24'	28.89
L565	N86° 22' 09"E	43.27'	15.58
L566	N39° 54' 31"E	31.60'	11.38
L567	S68° 55' 15"E	19.74'	7.11
L568	S01° 57' 44"W	22.31'	8.03
L569	S70° 33' 01"E	34.48'	12.41
L570	N85° 41' 24"E	68.53'	24.67
L571	S72° 40' 19"E	152.70'	54.97
L572	N88° 12' 07"E	84.78'	30.52
L573	N62° 36' 50"E	135.15'	48.65

MHW LINE NO. 57			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L574	S59° 49' 53"E	161.60'	58.18
L575	S80° 23' 03"E	156.85'	56.47
L576	N71° 02' 24"E	105.84'	38.10



- NOTES:
- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#4205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT). US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.0000330 AND CONVERGENCE ANGLE IS +00° 27' 37".
 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT:
NGS MONUMENT "DP0723 877 5244 A" (PUBLISHED)
N: 17,192,410.93'
E: 1,311,978.51'
ELEV: 8.97' 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 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON [8775289], CORPUS CHRISTI, TX, AND [8775244], NUECES BAY, TEXAS.
 - TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 - REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 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 SAN PATRICIO COUNTY CENTRAL APPRAISAL DISTRICT.
 - NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE 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 GEO; AND IS RECORDED IN
- Instrument #2023020354, Official Public Records of Nueces County, Texas.
Instrument #733379, Official Public Records of San Patricio County, Texas.
- 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 21, 2022
SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ

LEGEND:
 P.O.B. POINT OF BEGINNING
 P.O.T. POINT OF TERMINATION
 MHW MEAN HIGH WATER
 --- SURVEY LINE
 - - - - - SUBMERGED STATE TRACT
 - - - - - REFERENCE TIE
 - - - - - TRACT LINE
 - - - - - SURVEY BOUNDARY LINE

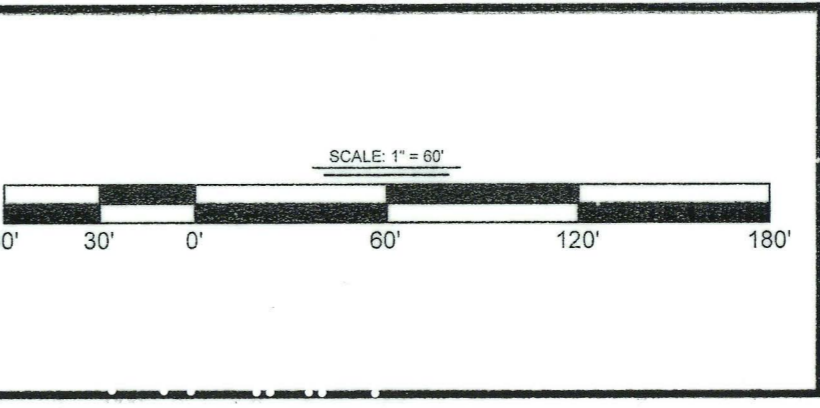
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CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MCY DREDGED MATERIAL TO:

- COMBAT EROSION BY PROVIDING 395 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 2000' BREAKWATER (TO TIE INTO THE CURRENTLY PLANNED 2000' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 8.2 FT/YR.
- NOURISH DEGRADED HABITAT BY CONVERTING 206 ACRES OF OPEN WATER INTO ESTUARINE MARSH.
- CREATE 120 ACRES OF AN INTERTIDAL LIVING SHORELINE TO PROVIDE SHORELINE PROTECTION AND PREVENT ROAD OVERTOPPING IN THE HORSESHOE.
- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

REV. NO.	REV. DATE	REV. DESCRIPTION	REV. BY
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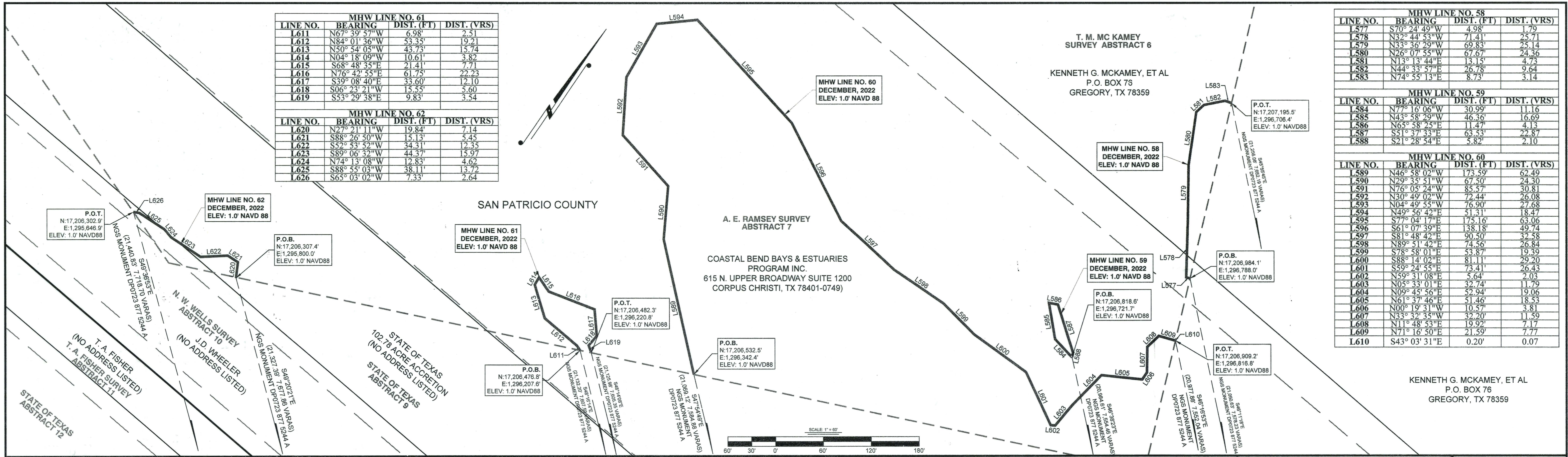
T. BAKER SMITH
 A CENTURY OF SOLUTIONS
 3854 FM 1069
 Aransas Pass, TX 78336
 (361)334-5719 - tbsmith.com
 TBPLS #10194575



DRAWN BY:	CDW	APPROVED BY:	JMN
DATE:	04/10/2023	JOB NO.:	2022.1784
DRAWING NAME:	PCCA-CBS_NUECES BAY_21DEC2022_FINAL		
PROJECTION:	TEXAS SOUTH ZONE		
GEO. DATUM:	NAD83 (2011) VERT. DATUM: NAVD88		
GRID UNITS:	US SURVEY FEET		
SHEET NO.:	18	OF	28

COASTAL BOUNDARY SURVEY
 NUECES COUNTY & SAN PATRICIO COUNTY

Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odum Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No. 684, 689A, 691, 700, 706, 745, 746, 746A and 750A. Nueces County and San Patricio County, Texas.



MHW LINE NO. 61

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L611	N67° 39' 57" W	6.98'	2.51
L612	N84° 01' 36" W	53.35'	19.21
L613	N50° 54' 05" W	43.73'	15.74
L614	N04° 18' 09" W	10.61'	3.82
L615	S68° 48' 35" E	21.41'	7.71
L616	N76° 42' 55" E	61.75'	22.23
L617	S39° 08' 40" E	33.60'	12.10
L618	S06° 23' 21" W	13.55'	5.60
L619	S53° 29' 38" E	9.83'	3.54

MHW LINE NO. 62

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L620	N27° 21' 11" W	19.84'	7.14
L621	S88° 26' 50" W	15.13'	5.45
L622	S52° 53' 52" W	34.31'	12.35
L623	S89° 06' 32" W	44.37'	15.97
L624	N74° 13' 08" W	12.83'	4.62
L625	S88° 55' 03" W	38.11'	13.72
L626	S65° 03' 02" W	7.33'	2.64

MHW LINE NO. 58

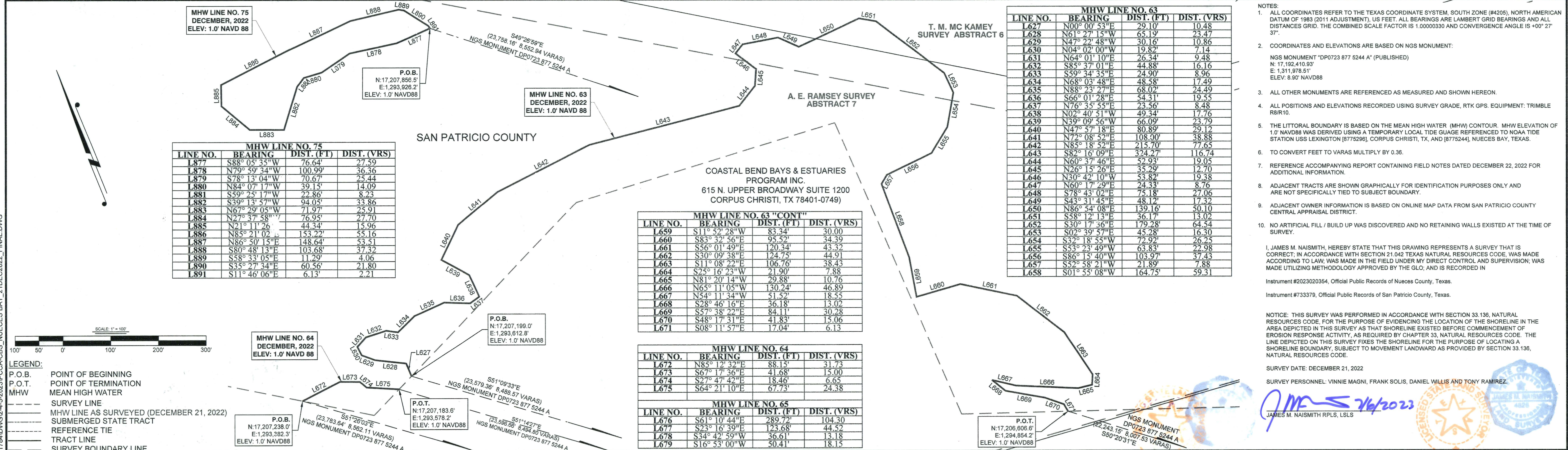
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L577	S70° 24' 49" W	4.98'	1.79
L578	N32° 44' 53" W	71.41'	25.71
L579	N33° 36' 29" W	69.83'	25.14
L580	N26° 07' 55" W	67.67'	24.36
L581	N13° 13' 44" E	13.15'	4.73
L582	N44° 33' 57" E	26.78'	9.64
L583	N74° 55' 13" E	8.73'	3.14

MHW LINE NO. 59

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L584	N77° 16' 06" W	30.99'	11.16
L585	N43° 58' 29" W	46.36'	16.69
L586	N65° 58' 25" E	11.47'	4.13
L587	S51° 37' 33" E	63.53'	22.87
L588	S21° 28' 54" E	5.82'	2.10

MHW LINE NO. 60

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L589	N46° 58' 02" W	173.59'	62.49
L590	N29° 35' 51" W	67.50'	24.30
L591	N76° 05' 24" W	85.57'	30.81
L592	N30° 49' 02" W	72.44'	26.08
L593	N04° 49' 55" W	76.90'	27.68
L594	N49° 56' 42" E	51.31'	18.47
L595	S77° 04' 17" E	175.16'	63.06
L596	S61° 07' 39" E	138.18'	49.74
L597	S81° 48' 42" E	90.30'	32.58
L598	N89° 51' 42" E	74.36'	26.84
L599	S78° 58' 01" E	53.87'	19.39
L600	S88° 14' 02" E	81.11'	29.20
L601	S59° 24' 55" E	73.41'	26.43
L602	N59° 31' 08" E	5.64'	2.03
L603	N05° 33' 01" E	32.74'	11.79
L604	N09° 45' 56" E	52.94'	19.06
L605	N61° 37' 46" E	51.46'	18.53
L606	N00° 19' 31" W	10.57'	3.81
L607	N33° 32' 35" W	32.20'	11.59
L608	N11° 48' 53" E	19.92'	7.17
L609	N71° 16' 50" E	21.59'	7.77
L610	S43° 03' 31" E	0.20'	0.07



MHW LINE NO. 75

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L877	S88° 05' 35" W	76.64'	27.59
L878	N79° 59' 34" W	100.99'	36.36
L879	S78° 13' 04" W	70.67'	25.44
L880	N84° 07' 17" W	39.15'	14.09
L881	S59° 25' 17" W	22.86'	8.23
L882	S39° 13' 57" W	94.05'	33.86
L883	N67° 29' 05" W	71.97'	25.91
L884	N27° 37' 58" W	76.95'	27.70
L885	N21° 11' 26" W	44.34'	15.96
L886	N85° 21' 02" E	153.22'	55.16
L887	N86° 50' 15" E	148.64'	53.51
L888	S80° 48' 13" E	103.68'	37.32
L889	S58° 33' 05" E	11.29'	4.06
L890	S35° 27' 34" E	60.56'	21.80
L891	S11° 46' 06" E	6.13'	2.21

MHW LINE NO. 63 "CONT"

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L659	S11° 52' 28" W	83.34'	30.00
L660	S83° 32' 56" E	95.52'	34.39
L661	S56° 01' 49" E	120.34'	43.32
L662	S30° 09' 38" E	124.75'	44.91
L663	S11° 08' 22" E	106.76'	38.43
L664	S25° 16' 23" W	21.90'	7.88
L665	N81° 20' 14" W	29.88'	10.76
L666	N65° 11' 05" W	130.24'	46.89
L667	N54° 11' 34" W	51.52'	18.55
L668	S28° 46' 16" E	36.11'	13.02
L669	S57° 38' 22" E	84.11'	30.28
L670	S48° 17' 31" E	41.83'	15.06
L671	S08° 11' 57" E	17.04'	6.13

MHW LINE NO. 64

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L672	N85° 12' 32" E	88.15'	31.73
L673	S67° 17' 36" E	41.68'	15.00
L674	S27° 47' 42" E	18.46'	6.65
L675	S64° 21' 10" E	67.73'	24.38

MHW LINE NO. 65

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L676	S61° 10' 44" E	289.72'	104.30
L677	S23° 16' 39" E	123.68'	44.52
L678	S34° 42' 59" W	36.61'	13.18
L679	S16° 53' 00" W	50.41'	18.15

MHW LINE NO. 63

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L627	N00° 00' 53" E	29.10'	10.48
L628	N61° 27' 15" W	65.19'	23.47
L629	N47° 22' 48" W	30.16'	10.86
L630	N04° 02' 00" W	19.82'	7.14
L631	N64° 01' 10" E	26.34'	9.48
L632	S85° 37' 01" E	44.88'	16.16
L633	S59° 34' 35" E	24.90'	8.96
L634	N68° 03' 48" E	48.58'	17.49
L635	N88° 23' 27" E	68.02'	24.49
L636	S66° 01' 28" E	54.31'	19.55
L637	N76° 35' 55" E	23.56'	8.48
L638	N02° 40' 51" W	49.34'	17.76
L639	N39° 09' 56" W	66.09'	23.79
L640	N47° 57' 18" E	80.89'	29.12
L641	N72° 08' 52" E	108.90'	38.88
L642	N85° 18' 52" E	215.70'	77.65
L643	S82° 16' 09" E	324.27'	116.74
L644	N60° 37' 46" E	52.93'	19.05
L645	N26° 15' 26" E	35.29'	12.70
L646	N30° 42' 10" W	53.82'	19.38
L647	N60° 17' 09" E	24.33'	8.76
L648	S78° 43' 02" E	75.18'	27.06
L649	S43° 31' 45" E	48.12'	17.32
L650	N86° 54' 08" E	139.16'	50.10
L651	S58° 12' 13" E	36.17'	13.02
L652	S30° 17' 36" E	179.28'	64.54
L653	S02° 39' 57" E	45.28'	16.30
L654	S32° 18' 55" W	72.92'	26.25
L655	S53° 23' 49" W	63.83'	22.98
L656	S86° 15' 40" W	103.97'	37.43
L657	S52° 58' 21" W	21.89'	7.88
L658	S01° 55' 08" W	164.75'	59.31

NOTES:

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E: 1,311,978.51'
ELEV: 8.90' NAVD88
- ALL OTHER MONUMENTS ARE REFERENCED AS MEASURED AND SHOWN HEREON.
- ALL POSITIONS AND ELEVATIONS RECORDED USING SURVEY GRADE, RTK GPS. EQUIPMENT: TRIMBLE R8R10.
- THE LITTORAL BOUNDARY IS BASED ON THE MEAN HIGH WATER (MHW) CONTOUR. MHW ELEVATION OF 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USX LEXINGTON (8775296), CORPUS CHRISTI, TX, AND (8775244), NUECES BAY, TEXAS.
- TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
- REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 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 SAN PATRICIO COUNTY CENTRAL APPRAISAL DISTRICT.
- NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE 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

Instrument #2023020354, Official Public Records of Nueces County, Texas.
Instrument #733379, Official Public Records of San Patricio County, Texas.

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 21, 2022
SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ.

LEGEND:

- P.O.B. POINT OF BEGINNING
- P.O.T. POINT OF TERMINATION
- MHW MEAN HIGH WATER
- SURVEY LINE
- MHW LINE AS SURVEYED (DECEMBER 21, 2022)
- SUBMERGED STATE TRACT
- REFERENCE TIE
- TRACT LINE
- SURVEY BOUNDARY LINE

CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MCY DREDGED MATERIAL TO:

- COMBAT EROSION BY PROVIDING 395 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 2000' BREAKWATER (TO TIE INTO THE CURRENTLY PLANNED 4000' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 6.2 FT/YR.
- NOURISH DEGRADED HABITAT BY CONVERTING 206 ACRES OF OPEN WATER INTO ESTUARINE MARSH.
- CREATE 120 ACRES OF AN INTERTIDAL LIVING SHORELINE TO PROVIDE SHORELINE PROTECTION AND PREVENT ROAD OVERTOPPING IN THE HORSESHOE.
- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

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

SCALE AS NOTED

DRAWN BY:	CDW	APPROVED BY:	JMN
DATE:	04/10/2023	JOB NO.:	2022.1784
DRAWING NAME:	PCCA-CBS_NUECES BAY_21DEC2022_FINAL		
PROJECTION: TEXAS SOUTH ZONE	GEO. DATUM: NAD83 (2011) VERT. DATUM: NAVD88		
GRID UNITS:	US SURVEY FEET		
SHEET NO.:	20	OF	28

COASTAL BOUNDARY SURVEY
NUECES COUNTY & SAN PATRICIO COUNTY

Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odom Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No. 5's 684, 689A, 691, 700, 706, 745, 746, 746A and 750A. Nueces County and San Patricio County, Texas.

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L725	S50° 01' 41"E	28.99'	10.44'
L726	N73° 33' 43"E	40.71'	14.66'
L727	S76° 45' 32"E	81.82'	29.46'
L728	S48° 39' 37"E	21.30'	7.74'
L729	S00° 35' 26"E	19.21'	6.92'
L730	S71° 02' 47"E	30.11'	10.84'
L731	N42° 51' 21"E	55.06'	19.82'
L732	N75° 28' 34"E	24.96'	8.99'
L733	S81° 53' 16"E	128.62'	46.30'
L734	N72° 08' 24"E	66.35'	23.89'
L735	S80° 22' 41"E	130.42'	46.95'
L736	N50° 23' 56"E	35.86'	12.91'
L737	S89° 51' 15"E	110.00'	39.60'
L738	S78° 24' 53"E	61.59'	22.17'
L739	S22° 40' 54"E	28.83'	10.38'
L740	S02° 16' 31"E	213.49'	76.86'
L741	S24° 17' 54"E	104.56'	37.64'
L742	S03° 29' 43"W	43.40'	15.62'
L743	S17° 30' 43"W	226.53'	81.55'
L744	S33° 33' 18"W	297.76'	107.19'
L745	S11° 55' 42"E	96.69'	34.81'
L746	S57° 34' 33"E	237.40'	85.46'
L747	S64° 35' 50"E	88.24'	31.77'
L748	S82° 30' 39"E	63.35'	22.81'
L749	S39° 07' 44"E	26.61'	9.58'
L750	S71° 13' 53"E	151.89'	54.68'
L751	N67° 38' 38"E	154.17'	55.50'
L752	N75° 41' 14"E	128.55'	46.28'
L753	N31° 56' 38"E	22.96'	8.27'
L754	N30° 34' 22"W	24.00'	8.64'
L755	N63° 13' 55"W	85.66'	30.84'
L756	S70° 20' 17"W	49.57'	17.85'
L757	N58° 09' 06"W	12.75'	4.59'
L758	N42° 03' 11"E	18.77'	6.76'
L759	N19° 29' 49"W	23.53'	8.47'
L760	N42° 16' 26"W	43.25'	15.57'
L761	N68° 38' 50"W	42.68'	15.36'
L762	S79° 30' 38"W	25.43'	9.15'
L763	N55° 48' 21"W	151.57'	54.57'
L764	S52° 55' 01"W	70.24'	25.29'
L765	S87° 51' 37"W	70.71'	25.46'
L766	N24° 00' 42"W	68.66'	24.72'
L767	N03° 27' 22"W	67.23'	24.20'
L768	N21° 19' 35"E	123.96'	44.63'
L769	N14° 47' 26"E	140.47'	50.57'
L770	N04° 44' 03"E	222.45'	80.08'
L771	N78° 14' 54"E	51.70'	18.61'
L772	N25° 53' 06"E	54.78'	19.72'
L773	S81° 06' 19"E	1.84'	0.66'
L774	S12° 13' 12"E	14.39'	5.26'
L775	S43° 10' 53"E	88.99'	32.04'
L776	S69° 51' 56"E	56.42'	20.31'
L777	N05° 42' 22"E	12.53'	4.51'
L778	N37° 55' 25"W	230.73'	83.06'
L779	N12° 24' 22"W	33.57'	12.09'
L780	N23° 48' 45"E	98.82'	35.58'

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L689	S18° 45' 19"E	162.50'	58.50'
L690	S31° 54' 07"W	130.21'	46.88'
L691	S88° 31' 32"W	54.02'	19.45'
L692	S39° 01' 21"W	31.57'	11.37'
L693	S07° 27' 32"W	65.95'	23.74'
L694	S67° 07' 27"W	116.97'	42.11'
L695	N68° 38' 36"W	81.36'	29.29'
L696	S85° 37' 39"W	92.73'	33.38'
L697	S45° 10' 24"W	71.48'	25.73'
L698	S11° 36' 32"W	73.88'	26.60'
L699	S33° 30' 16"E	30.99'	11.16'
L700	S01° 02' 42"E	47.32'	17.04'
L701	S49° 42' 42"E	49.46'	17.81'
L702	S13° 34' 14"E	19.34'	6.96'
L703	S27° 07' 13"W	43.19'	15.55'
L704	S60° 43' 36"W	23.66'	8.52'
L705	S34° 51' 20"W	42.69'	15.37'
L706	S80° 27' 08"W	21.70'	7.81'
L707	N54° 44' 00"W	43.39'	15.62'
L708	N25° 18' 32"W	46.96'	16.91'
L709	N13° 51' 38"W	80.56'	29.00'
L710	N70° 01' 59"W	57.72'	20.78'
L711	S46° 44' 58"E	46.37'	16.69'
L712	S11° 53' 37"E	44.18'	15.90'
L713	S55° 25' 48"W	42.26'	15.21'
L714	S67° 01' 18"W	210.31'	75.71'
L715	N54° 11' 26"W	108.77'	39.16'
L716	N27° 54' 15"W	88.91'	32.01'
L717	N75° 45' 37"W	33.05'	11.90'
L718	S81° 15' 54"W	65.39'	23.54'
L719	S56° 30' 13"W	158.42'	57.03'
L720	S17° 30' 22"W	21.42'	7.71'
L721	S39° 18' 33"E	89.58'	32.25'
L722	S05° 08' 55"W	81.38'	29.30'
L723	S45° 50' 12"E	44.84'	16.14'
L724	S09° 39' 03"E	41.81'	15.05'

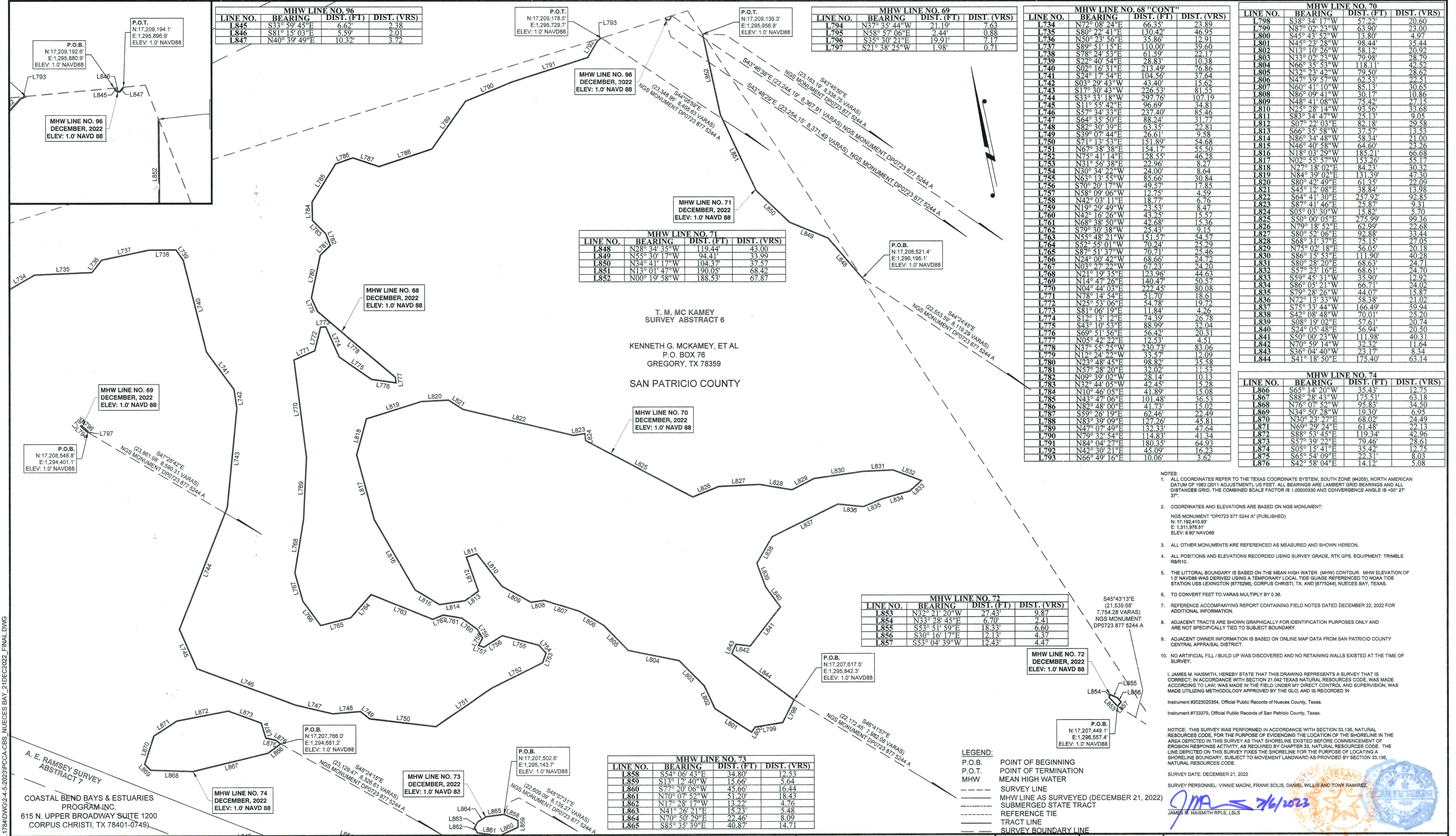
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L794	N37° 35' 44"W	21.19'	7.63'
L795	N58° 57' 06"E	2.44'	0.88'
L796	S35° 30' 21"E	19.91'	7.17'
L797	S21° 38' 25"W	1.98'	0.71'

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L866	S65° 14' 20"W	35.43'	12.75'
L867	S88° 28' 43"W	175.51'	63.18'
L868	N76° 07' 52"W	95.83'	34.50'
L869	N34° 05' 28"W	19.30'	6.95'
L870	N30° 23' 27"E	68.02'	24.49'
L871	N69° 29' 24"E	61.48'	22.13'
L872	S88° 53' 45"E	119.34'	42.96'
L873	S57° 39' 22"E	79.46'	28.61'
L874	S05° 15' 41"E	35.42'	12.75'
L875	S65° 54' 09"E	22.31'	8.03'
L876	S42° 58' 04"E	14.12'	5.08'

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L680	S44° 21' 26"W	4.60'	1.66'
L681	N87° 10' 03"W	37.44'	13.48'
L682	N59° 57' 26"W	61.86'	22.27'
L683	N18° 48' 34"W	17.95'	6.46'
L684	N46° 35' 37"E	7.04'	2.53'
L685	N84° 50' 10"E	20.11'	7.24'
L686	S70° 14' 23"E	35.11'	12.64'
L687	S53° 56' 23"E	41.23'	14.84'
L688	S26° 19' 30"E	19.00'	6.84'

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L650	S51° 13' 21"E	8,902.49 (VARAS)	
L651	S50° 58' 59"E	8,841.11 (VARAS)	
L652	S51° 18' 22"E	8,870.09 (VARAS)	
L653	S51° 13' 21"E	8,802.49 (VARAS)	
L654	S51° 13' 21"E	8,720.44 (VARAS)	
L655	S51° 13' 21"E	8,638.39 (VARAS)	
L656	S51° 13' 21"E	8,556.34 (VARAS)	
L657	S51° 13' 21"E	8,474.29 (VARAS)	
L658	S51° 13' 21"E	8,392.24 (VARAS)	
L659	S51° 13' 21"E	8,310.19 (VARAS)	
L660	S51° 13' 21"E	8,228.14 (VARAS)	
L661	S51° 13' 21"E	8,146.09 (VARAS)	
L662	S51° 13' 21"E	8,064.04 (VARAS)	
L663	S51° 13' 21"E	7,981.99 (VARAS)	
L664	S51° 13' 21"E	7,900.00 (VARAS)	
L665	S51° 13' 21"E	7,817.95 (VARAS)	
L666	S51° 13' 21"E	7,735.90 (VARAS)	
L667	S51° 13' 21"E	7,653.85 (VARAS)	
L668	S51° 13' 21"E	7,571.80 (VARAS)	
L669	S51° 13' 21"E	7,489.75 (VARAS)	
L670	S51° 13' 21"E	7,407.70 (VARAS)	
L671	S51° 13' 21"E	7,325.65 (VARAS)	
L672	S51° 13' 21"E	7,243.60 (VARAS)	
L673	S51° 13' 21"E	7,161.55 (VARAS)	
L674	S51° 13' 21"E	7,079.50 (VARAS)	
L675	S51° 13' 21"E	7,000.00 (VARAS)	
L676	S51° 13' 21"E	6,918.05 (VARAS)	
L677	S51° 13' 21"E	6,836.10 (VARAS)	
L678	S51° 13' 21"E	6,754.15 (VARAS)	
L679	S51° 13' 21"E	6,672.20 (VARAS)	
L680	S51° 13' 21"E	6,590.25 (VARAS)	
L681	S51° 13' 21"E	6,508.30 (VARAS)	
L682	S51° 13' 21"E	6,426.35 (VARAS)	
L683	S51° 13' 21"E	6,344.40 (VARAS)	
L684	S51° 13' 21"E	6,262.45 (VARAS)	
L685	S51° 13' 21"E	6,180.50 (VARAS)	
L686	S51° 13' 21"E	6,098.55 (VARAS)	
L687	S51° 13' 21"E	6,016.60 (VARAS)	
L688	S51° 13' 21"E	5,934.65 (VARAS)	
L689	S51° 13' 21"E	5,852.70 (VARAS)	
L690	S51° 13' 21"E	5,770.75 (VARAS)	
L691	S51° 13' 21"E	5,688.80 (VARAS)	
L692	S51° 13' 21"E	5,606.85 (VARAS)	
L693	S51° 13' 21"E	5,524.90 (VARAS)	
L694	S51° 13' 21"E	5,442.95 (VARAS)	
L695	S51° 13' 21"E	5,361.00 (VARAS)	
L696	S51° 13' 21"E	5,279.05 (VARAS)	
L697	S51° 13' 21"E	5,197.10 (VARAS)	
L698	S51° 13' 21"E	5,115.15 (VARAS)	
L699	S51° 13' 21"E	5,033.20 (VARAS)	
L700	S51° 13' 21"E	4,951.25 (VARAS)	
L701	S51° 13' 21"E	4,869.30 (VARAS)	
L702	S51° 13' 21"E	4,787.35 (VARAS)	
L703	S51° 13' 21"E	4,705.40 (VARAS)	
L704	S51° 13' 21"E	4,623.45 (VARAS)	
L705	S51° 13' 21"E	4,541.50 (VARAS)	
L706	S51° 13' 21"E	4,459.55 (VARAS)	
L707	S51° 13' 21"E	4,377.60 (VARAS)	
L708	S51° 13' 21"E	4,295.65 (VARAS)	
L709	S51° 13' 21"E	4,213.70 (VARAS)	
L710	S51° 13' 21"E	4,131.75 (VARAS)	
L711	S51° 13' 21"E	4,049.80 (VARAS)	
L712	S51° 13' 21"E	3,967.85 (VARAS)	
L713	S51° 13' 21"E	3,885.90 (VARAS)	
L714	S51° 13' 21"E	3,803.95 (VARAS)	
L715	S51° 13' 21"E	3,722.00 (VARAS)	
L716	S51° 13' 21"E	3,640.05 (VARAS)	
L717	S51° 13' 21"E	3,558.10 (VARAS)	
L718	S51° 13' 21"E	3,476.15 (VARAS)	
L719	S51° 13' 21"E	3,394.20 (VARAS)	
L720	S51° 13' 21"E	3,312.25 (VARAS)	
L721	S51° 13' 21"E	3,230.30 (VARAS)	
L722	S51° 13' 21"E	3,148.35 (VARAS)	
L723	S51° 13' 21"E	3,066.40 (VARAS)	
L724	S51° 13' 21"E	2,984.45 (VARAS)	
L725	S51° 13' 21"E	2,902.50 (VARAS)	
L726	S51° 13' 21"E	2,820.55 (VARAS)	
L727	S51° 13' 21"E	2,738.60 (VARAS)	
L728	S51° 13' 21"E	2,656.65 (VARAS)	
L729	S51° 13' 21"E	2,574.70 (VARAS)	
L730	S51° 13' 21"E	2,492.75 (VARAS)	
L731	S51° 13' 21"E	2,410.80 (VARAS)	
L732	S51° 13' 21"E	2,328.85 (VARAS)	
L733	S51° 13' 21"E	2,246.90 (VARAS)	
L734	S51° 13' 21"E	2,164.95 (VARAS)	
L735	S51° 13' 21"E	2,083.00 (VARAS)	
L736	S51° 13' 21"E	2,001.05 (VARAS)	
L737	S51° 13' 21"E	1,919.10 (VARAS)	
L738	S51° 13' 21"E	1,837.15 (VARAS)	
L739	S51° 13' 21"E	1,755.20 (VARAS)	
L740	S51° 13' 21"E	1,673.25 (VARAS)	
L741	S51° 13' 21"E	1,591.30 (VARAS)	
L742	S51° 13' 21"E	1,509.35 (VARAS)	
L743	S51° 13' 21"E	1,427.40 (VARAS)	
L744	S51° 13' 21"E	1,345.45 (VARAS)	
L745	S51° 13' 21"E	1,263.50 (VARAS)	
L746	S51° 13' 21"E	1,181.55 (VARAS)	
L747	S51° 13' 21"E	1,099.60 (VARAS)	
L748	S51° 13' 21"E	1,017.65 (VARAS)	
L749	S51° 13' 21"E	935.70 (VARAS)	
L750	S51° 13' 21"E	853.75 (VARAS)	
L751	S51° 13' 21"E	771.80 (VARAS)	
L752	S51° 13' 21"E	689.85 (VARAS)	
L753	S51° 13' 21"E	607.90 (VARAS)	
L754	S51° 13' 21"E	525.95 (VARAS)	
L755	S51° 13' 21"E	444.00 (VARAS)	
L756	S51° 13' 21"E	362.05 (VARAS)	
L757	S51° 13' 21"E	280.10 (VARAS)	
L758	S51° 13' 21"E	198.15 (VARAS)	
L759	S51° 13' 21"E	116.20 (VARAS)	
L760	S51° 13' 21"E	34.25 (VARAS)	

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L650	S51° 13' 21"E	8,902.49 (VARAS)	
L651	S50° 58' 59"E	8,841.11 (VARAS)	
L652	S51° 18' 22"E	8,870.09 (VARAS)	
L653	S51° 13' 21"E	8,802.49 (VARAS)	
L654	S51° 13' 21"E	8,720.44 (VARAS)	
L655	S51° 13' 21"E	8,638.39 (VARAS)	
L656	S51° 13' 21"E	8,556.34 (VARAS)	
L657	S51° 13' 21"E	8,474.29 (VARAS)	
L658	S51° 13' 21"E	8,392.24 (VARAS)	
L659	S51° 13' 21"E	8,310.19 (VARAS)	
L660	S51° 13' 21"E	8,228.14 (VARAS)	
L661	S51° 13' 21"E	8,146.09 (VARAS)	
L662	S51° 13' 21"E		



LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L845	S33° 59' 45"E	6.62'	2.38
L846	S81° 15' 03"E	5.59'	2.01
L847	N40° 39' 49"E	10.32'	3.72

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L794	N37° 35' 44"W	21.19'	7.63
L795	N58° 57' 06"E	2.44'	0.88
L796	S35° 30' 21"E	19.91'	7.17
L797	S21° 38' 25"W	1.98'	0.71

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L734	N72° 08' 24"E	66.35'	23.89
L735	S80° 22' 41"E	130.42'	46.95
L736	N50° 23' 56"E	35.86'	12.91
L737	S89° 51' 15"E	110.00'	39.60
L738	S78° 24' 53"E	61.59'	22.17
L739	S72° 40' 54"E	28.83'	10.38
L740	S02° 16' 31"E	213.49'	76.86
L741	S24° 17' 54"E	104.56'	37.64
L742	S03° 29' 43"W	43.40'	15.62
L743	S17° 30' 43"W	226.53'	81.55
L744	S33° 33' 18"W	297.76'	107.19
L745	S11° 55' 42"E	96.69'	34.81
L746	S57° 34' 33"E	237.40'	85.46
L747	S64° 35' 50"E	88.24'	31.77
L748	S82° 30' 39"E	63.35'	22.81
L749	S39° 07' 44"E	26.61'	9.58
L750	S71° 13' 53"E	151.89'	54.68
L751	N67° 38' 38"E	154.17'	55.50
L752	N75° 41' 14"E	128.55'	46.28
L753	N31° 56' 38"E	22.96'	8.27
L754	N30° 34' 22"W	24.00'	8.64
L755	N63° 13' 55"W	85.66'	30.84
L756	S70° 20' 17"W	49.57'	17.85
L757	N58° 09' 06"W	12.75'	4.59
L758	N42° 03' 11"E	18.77'	6.47
L759	N19° 29' 49"W	23.53'	8.47
L760	N42° 16' 26"W	43.25'	15.57
L761	N68° 38' 50"W	42.68'	15.36
L762	S79° 30' 38"W	25.43'	9.15
L763	N55° 48' 21"W	151.57'	54.57
L764	S52° 55' 01"W	70.24'	25.29
L765	S87° 51' 37"W	70.71'	25.46
L766	N24° 00' 42"W	68.66'	24.72
L767	N03° 27' 22"W	67.23'	24.20
L768	N21° 19' 35"E	123.96'	44.63
L769	N14° 47' 26"E	140.47'	50.57
L770	N04° 44' 03"E	222.45'	80.08
L771	N78° 14' 54"E	51.70'	18.61
L772	N25° 53' 06"E	54.78'	19.72
L773	S81° 06' 19"E	11.84'	4.26
L774	S12° 13' 12"E	74.39'	26.78
L775	S43° 10' 53"E	88.99'	32.04
L776	S69° 51' 56"E	56.42'	20.51
L777	N05° 42' 22"E	12.53'	4.51
L778	N37° 55' 25"W	230.73'	83.06
L779	N12° 24' 22"W	33.57'	12.09
L780	N23° 48' 45"E	98.82'	35.58
L781	N57° 28' 20"E	32.02'	11.53
L782	N09° 39' 02"W	28.14'	10.13
L783	N32° 44' 05"W	42.45'	15.28
L784	N10° 46' 05"E	41.89'	15.08
L785	N43° 47' 06"E	101.48'	36.53
L786	N82° 48' 00"E	41.73'	15.02
L787	S59° 26' 19"E	62.46'	22.49
L788	N83° 39' 09"E	127.26'	45.81
L789	N47° 07' 49"E	132.33'	47.64
L790	N79° 32' 54"E	114.83'	41.34
L791	N84° 04' 27"E	180.35'	64.93
L792	N42° 30' 21"E	45.09'	16.23
L793	N66° 49' 16"E	10.06'	3.62

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L848	N28° 34' 35"W	119.44'	43.00
L849	N55° 30' 17"W	94.41'	33.99
L850	N34° 41' 17"W	104.37'	37.57
L851	N13° 01' 47"W	190.05'	68.42
L852	N00° 19' 58"W	188.53'	67.87

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L853	N37° 21' 20"W	27.43'	9.87
L854	N33° 28' 45"E	6.70'	2.41
L855	S53° 51' 59"E	18.33'	6.60
L856	S30° 16' 17"E	12.13'	4.37
L857	S53° 04' 39"W	12.43'	4.47

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L858	S54° 06' 43"E	34.80'	12.53
L859	S13° 12' 40"W	15.66'	5.64
L860	S77° 20' 06"W	45.66'	16.44
L861	N70° 07' 52"W	51.20'	18.43
L862	N17° 28' 17"W	13.22'	4.76
L863	N41° 26' 21"E	15.23'	5.48
L864	N70° 50' 29"E	22.46'	8.09
L865	S85° 35' 39"E	40.87'	14.71

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L798	S38° 34' 17"W	57.22'	20.60
L799	N87° 02' 23"W	63.90'	23.00
L800	S45° 43' 52"W	13.80'	4.97
L801	N45° 23' 28"W	98.44'	35.44
L802	N13° 10' 26"W	58.12'	20.92
L803	N33° 02' 23"W	79.98'	28.79
L804	N66° 35' 53"W	118.11'	42.52
L805	N32° 23' 42"W	79.50'	28.62
L806	N47° 39' 57"W	62.53'	22.51
L807	N60° 41' 10"W	85.13'	30.65
L808	N86° 09' 41"W	30.17'	10.86
L809	N48° 41' 08"W	75.42'	27.15
L810	N25° 28' 14"W	93.56'	33.68
L811	S83° 34' 47"E	25.13'	9.05
L812	S07° 27' 03"E	68.51'	24.71
L813	S66° 55' 58"W	37.57'	13.53
L814	N86° 34' 48"W	58.34'	21.00
L815	N46° 40' 58"W	64.60'	23.26
L816	N18° 03' 29"W	185.21'	66.68
L817	N02° 55' 57"W	153.26'	55.17
L818	N27° 18' 02"E	84.23'	30.32
L819	N84° 39' 02"E	131.39'	47.30
L820	S80° 42' 49"E	61.35'	22.09
L821	S45° 12' 08"E	38.84'	13.98
L822	S64° 41' 30"E	257.92'	92.85
L823	S87° 41' 46"E	25.87'	9.31
L824	S05° 03' 30"W	15.82'	5.70
L825	S50° 00' 05"E	275.99'	99.36
L826	N79° 18' 52"E	62.99'	22.68
L827	S80° 52' 06"E	92.88'	33.44
L828	S68° 31' 37"E	75.15'	27.05
L829	N75° 02' 18"E	56.05'	20.18
L830	S86° 15' 53"E	111.90'	40.28
L831	S89° 28' 20"E	68.63'	24.71
L832	S57° 23' 16"E	68.51'	24.70
L833	S59° 45' 31"W	35.90'	12.92
L834	S86° 05' 21"W	66.71'	24.02
L835	S79° 28' 26"W	44.07'	15.87
L836	N72° 13' 33"W	58.38'	21.02
L837	S75° 33' 44"W	166.49'	59.94
L838	S42° 08' 48"W	70.01'	25.20
L839	S08° 19' 02"E	57.61'	20.74
L840	S24° 05' 48"E	56.94'	20.50
L841	S50° 00' 23"W	111.98'	40.31
L842	N70° 59' 14"W	32.32'	11.64
L843	S36° 04' 40"W	23.17'	8.34
L844	S41° 18' 50"E	175.40'	63.14

LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L866	S65° 14' 20"W	35.43'	12.75
L867	S88° 28' 43"W	175.51'	63.18
L868	N76° 07' 52"W	95.83'	34.50
L869	N34° 50' 28"W	19.30'	6.95
L870	N30° 23' 27"E	68.02'	24.49
L871	N69° 29' 24"E	61.48'	22.13
L872	S88° 53' 45"E	79.46'	28.61
L873	S57° 30' 22"E	79.46'	28.61
L874	S05° 15' 41"E	12.75'	4.59
L875	S65° 54' 09"E	22.31'	8.03
L876	S42° 58' 04"E	14.12'	5.08

- NOTES:
- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#4205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.00000330 AND CONVERGENCE ANGLE IS +00° 27' 37".
 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT: NGS MONUMENT "DP0723 877 5244 A" (PUBLISHED) N: 17,208,521.4' E: 1,296,195.1' ELEV: 1.0' NAVD88
 - ALL OTHER MONUMENTS ARE REFERENCED AS MEASURED AND SHOWN HEREON.
 - ALL POSITIONS AND ELEVATIONS RECORDED USING SURVEY GRADE, RTK GPS. EQUIPMENT: TRIMBLE RBR10.
 - THE LITTORAL BOUNDARY IS BASED ON THE MEAN HIGH WATER (MHW) CONTOUR. MHW ELEVATION OF 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON [8775298], CORPUS CHRISTI, TX, AND [8775244], NUECES BAY, TEXAS.
 - TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 - REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 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 SAN PATRICIO COUNTY CENTRAL APPRAISAL DISTRICT.
 - NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE 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 Instrument #2023020354, Official Public Records of Nueces County, Texas. Instrument #733379, Official Public Records of San Patricio County, Texas.
- NOTICE: THIS SURVEY WAS PERFORMED IN ACCORDANCE WITH SECTION 133.136, 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 FOR THE PURPOSE OF LOCATING A SHORELINE BOUNDARY, SUBJECT TO MOVEMENT LANDWARD AS PROVIDED BY SECTION 133.136, NATURAL RESOURCES CODE.
- SURVEY DATE: DECEMBER 21, 2022
 SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ

LEGEND:
 P.O.B. POINT OF BEGINNING
 P.O.T. POINT OF TERMINATION
 MHW MEAN HIGH WATER
 --- SURVEY LINE
 --- MHW LINE AS SURVEYED (DECEMBER 21, 2022)
 --- SUBMERGED STATE TRACT
 --- REFERENCE TIE
 --- TRACT LINE
 --- SURVEY BOUNDARY LINE

CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MCY DREDGED MATERIAL TO:

- COMBAT EROSION BY PROVIDING 395 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 2000' BREAKWATER (TO TIE INTO THE CURRENTLY PLANNED 4000' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 8.2 FT/YR.
- NOURISH DEGRADED HABITAT BY CONVERTING 208 AC OF OPEN WATER INTO ESTUARINE MARSH.
- CREATE 120 ACRES OF AN INTERTIDAL LIVING SHORELINE TO PROVIDE SHORELINE PROTECTION AND PREVENT ROAD OVERTOPPING IN THE HORSESHOE.
- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

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

SCALE 1" = 60'
 60' 30' 0' 60' 120' 180'

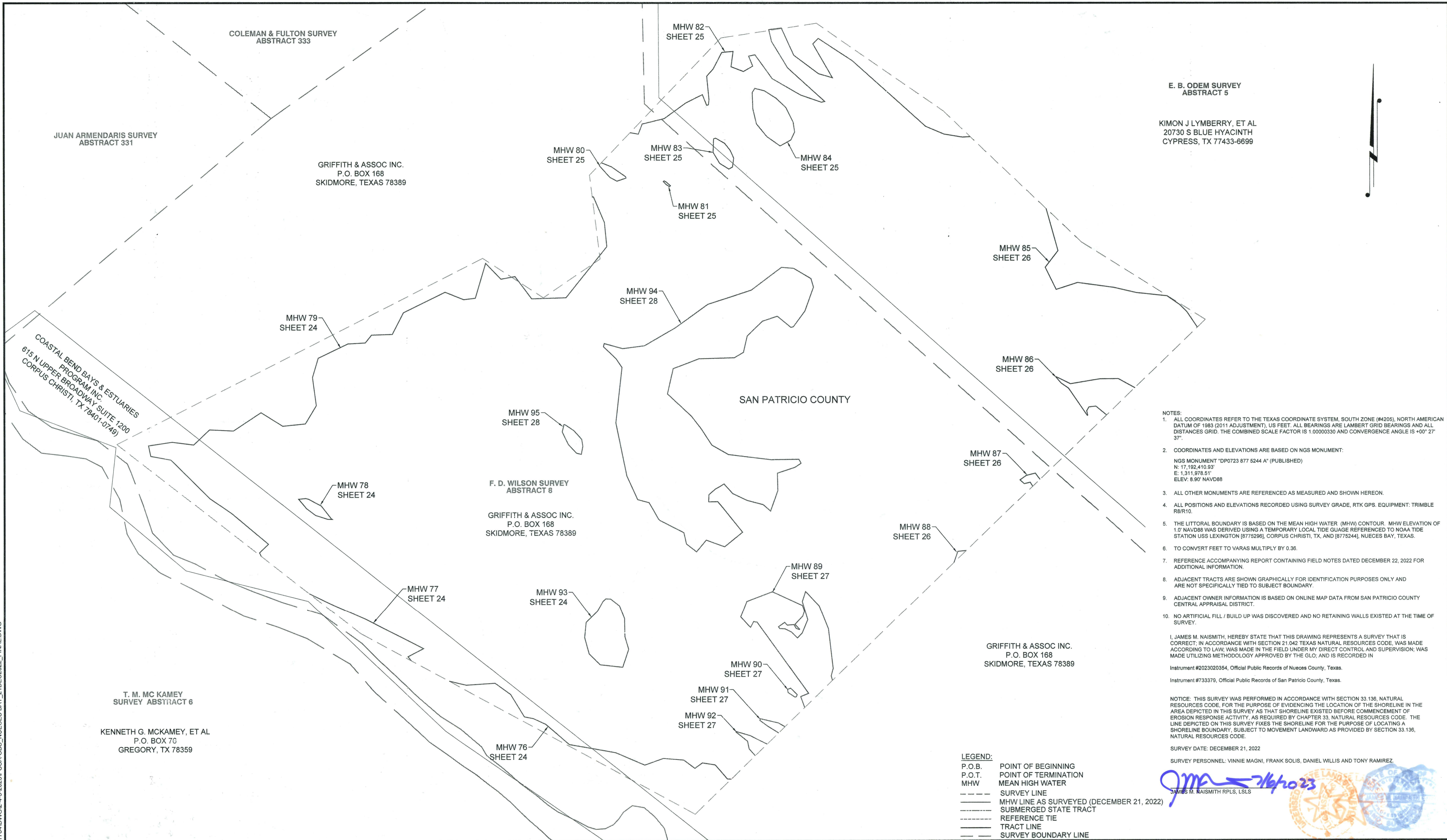
DRAWN BY: CDW APPROVED BY: JMN
 DATE: 04/10/2023 JOB NO: 2022.1784
 DRAWING NAME: PCCA-CBS NUECES BAY 21DEC2022_FINAL
 GEO. DATUM: NAD83 (2011) | VERT. DATUM: NAVD88
 GRID UNITS: US SURVEY FEET
 SHEET NO: 22 OF 28

COASTAL BOUNDARY SURVEY
 NUECES COUNTY & SAN PATRICIO COUNTY

Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northernly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southernly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A. Nueces County and San Patricio County, Texas.

JAMES M. NAISMITH RPLS, LLSLS
 7/6/2023

11/9/2022 - P:\Y-2022\2022-1784\DWG\2-4-5-2023\PCCA-CBS NUECES BAY_21DEC2022_FINAL.DWG



**E. B. ODEM SURVEY
ABSTRACT 5**

KIMON J LYMBERRY, ET AL
20730 S BLUE HYACINTH
CYPRESS, TX 77433-6699

- NOTES:**
- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#4205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.00000330 AND CONVERGENCE ANGLE IS +00° 27' 37".
 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT:
NGS MONUMENT "DP0723 877 5244 A" (PUBLISHED)
N: 17,192,410.93'
E: 1,311,978.51'
ELEV: 8.90' 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 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON (8775296), CORPUS CHRISTI, TX, AND (8775244), NUECES BAY, TEXAS.
 - TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 - REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 FOR ADDITIONAL INFORMATION.
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 - NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE 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 G.L.O., AND IS RECORDED IN

Instrument #2023020354, Official Public Records of Nueces County, Texas.
Instrument #733370, Official Public Records of San Patricio County, Texas.

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 21, 2022

SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ

JMA 12/21/23
JAMES M. NAISMITH RPLS, LSL

LEGEND:
 P.O.B. POINT OF BEGINNING
 P.O.T. POINT OF TERMINATION
 MHW MEAN HIGH WATER
 ——— SURVEY LINE
 - - - - MHW LINE AS SURVEYED (DECEMBER 21, 2022)
 - - - - SUBMERGED STATE TRACT
 - - - - REFERENCE TIE
 - - - - TRACT LINE
 - - - - SURVEY BOUNDARY LINE

11/02/2022 - P:\N-2022\2022_1784\DWG\2-4-5-2023\PCCA-CBS_NUECES BAY_21DEC2022_FINAL.DWG

CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MCY DREDGED MATERIAL TO:

- COMBAT EROSION BY PROVIDING 395 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 2000' BREAKWATER (TO TIE INTO THE CURRENTLY PLANNED 4000' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 3.2 FT/YR.
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- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

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

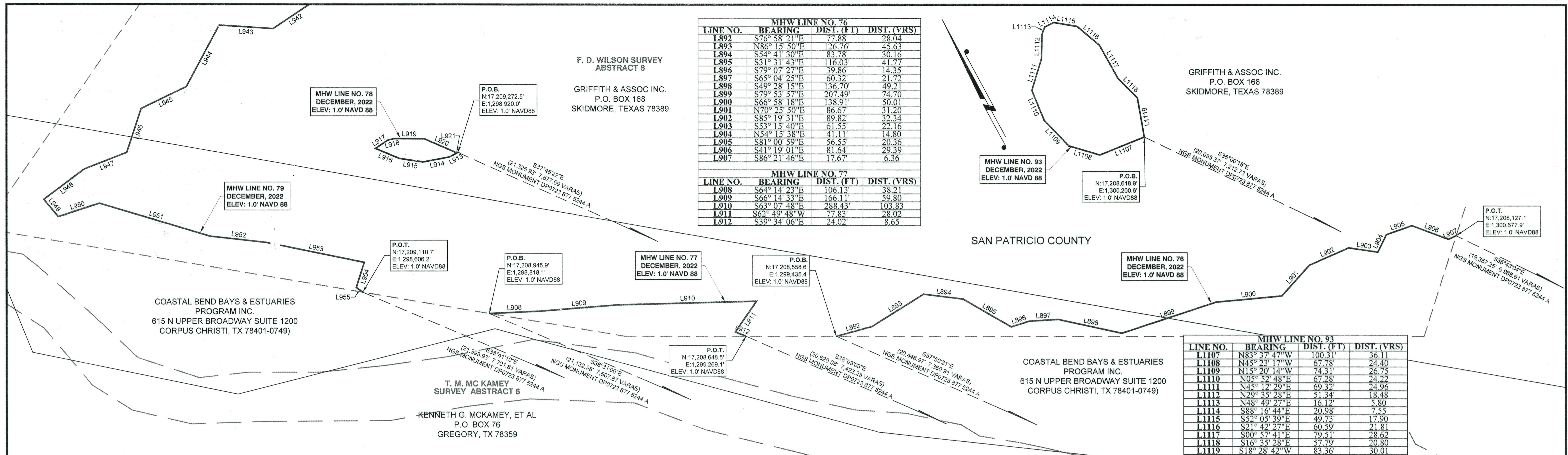
T. BAKER SMITH
A CENTURY OF SOLUTIONS
3854 FM 1069
Aransas Pass, TX 78336
(361)334-5719 - tbsmith.com
TBPLS #10194575

COVERPAGE
NOT TO SCALE

DRAWN BY:	CDW	APPROVED BY:	JMN
DATE:	04/10/2023	JOB NO.:	2022.1784
DRAWING NAME:	PCCA-CBS_NUECES BAY_21DEC2022_FINAL		
GEO. DATUM:	NAD83 (2011) VERT. DATUM: NAVD88		
GRID UNITS:	US SURVEY FEET		
SHEET NO.:	23	OF	28

COASTAL BOUNDARY SURVEY
NUECES COUNTY & SAN PATRICIO COUNTY

Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A, Nueces County and San Patricio County, Texas.

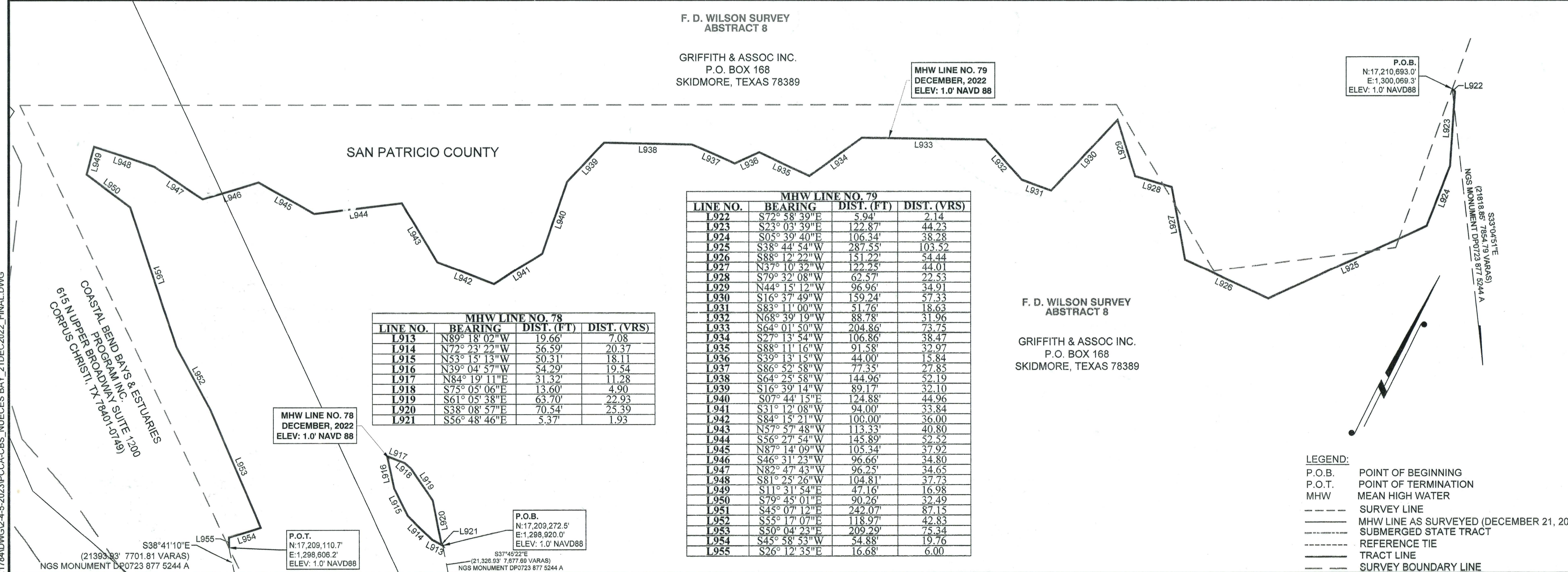


MHW LINE NO. 76			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L892	S76° 58' 21" E	77.88'	28.04
L893	N86° 15' 50" E	126.76'	45.63
L894	S54° 41' 30" E	83.78'	30.16
L895	S31° 31' 43" E	116.03'	41.77
L896	S79° 07' 27" E	39.86'	14.35
L897	S65° 04' 25" E	60.32'	21.72
L898	S49° 28' 15" E	136.70'	49.21
L899	S79° 53' 57" E	207.49'	74.70
L900	S66° 58' 18" E	138.91'	50.01
L901	N70° 25' 50" E	86.67'	31.20
L902	S85° 19' 31" E	89.82'	32.34
L903	S53° 15' 40" E	61.55'	22.16
L904	N54° 15' 38" E	41.11'	14.80
L905	S81° 00' 59" E	56.55'	20.36
L906	S41° 19' 01" E	81.64'	29.39
L907	S86° 21' 46" E	17.67'	6.36

MHW LINE NO. 77			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L908	S64° 14' 23" E	106.13'	38.21
L909	S66° 14' 33" E	166.11'	59.80
L910	S63° 07' 48" E	288.43'	103.83
L911	S62° 49' 48" W	77.83'	28.02
L912	S39° 34' 06" E	24.02'	8.65

MHW LINE NO. 93			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1107	N83° 37' 47" W	100.31'	36.11
L1108	N45° 23' 17" W	67.78'	24.40
L1109	N1° 52' 14" W	74.31'	26.75
L1110	N05° 52' 48" E	67.28'	24.22
L1111	N45° 12' 29" E	69.32'	24.96
L1112	N29° 35' 28" E	51.34'	18.48
L1113	N48° 49' 27" E	16.12'	5.80
L1114	S88° 16' 44" E	20.98'	7.55
L1115	S52° 05' 39" E	49.73'	17.90
L1116	S21° 42' 27" E	60.59'	21.81
L1117	S00° 57' 41" E	79.51'	28.62
L1118	S16° 35' 28" E	57.79'	20.80
L1119	S18° 28' 42" W	83.36'	30.01

- NOTES:
- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.0000330 AND CONVERGENCE ANGLE IS +00° 27' 37".
 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT: NGS MONUMENT "DP0723 877 5244 A" (PUBLISHED) N: 17,210,693.0' E: 1,300,059.3' ELEV: 1.0' NAVD88
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Instrument #733379, Official Public Records of San Patricio County, Texas.



MHW LINE NO. 79			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L922	S77° 58' 39" E	5.94'	2.14
L923	S23° 03' 39" E	122.87'	44.23
L924	S05° 39' 40" E	106.34'	38.28
L925	S38° 44' 54" W	287.55'	103.52
L926	S89° 12' 22" W	151.22'	54.44
L927	N37° 10' 35" W	122.25'	44.01
L928	S79° 32' 08" W	62.57'	22.53
L929	N44° 15' 12" W	96.96'	34.91
L930	S16° 37' 49" W	159.24'	57.33
L931	S83° 11' 00" W	51.76'	18.63
L932	N68° 39' 19" W	88.78'	31.96
L933	S64° 01' 50" W	204.86'	73.75
L934	S27° 13' 54" W	106.86'	38.47
L935	S88° 11' 16" W	91.58'	32.97
L936	S39° 13' 15" W	44.00'	15.84
L937	S86° 52' 58" W	77.35'	27.85
L938	S64° 25' 58" W	144.96'	52.19
L939	S16° 39' 14" W	89.17'	32.10
L940	S07° 44' 15" E	124.88'	44.96
L941	S31° 12' 08" W	94.00'	33.84
L942	S84° 15' 21" W	100.00'	36.00
L943	N57° 57' 48" W	113.33'	40.80
L944	S56° 27' 54" W	145.89'	52.52
L945	N87° 14' 09" W	105.34'	37.92
L946	S46° 31' 23" W	96.66'	34.80
L947	N82° 47' 43" W	96.25'	34.65
L948	S81° 25' 26" W	104.81'	37.73
L949	S11° 31' 54" E	47.16'	16.98
L950	S79° 45' 01" E	90.26'	32.49
L951	S45° 07' 12" E	242.07'	87.15
L952	S55° 17' 07" E	118.97'	42.83
L953	S50° 04' 23" E	209.29'	75.34
L954	S45° 58' 53" W	54.88'	19.76
L955	S26° 12' 35" E	16.68'	6.00

MHW LINE NO. 78			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L913	N89° 18' 02" W	19.66'	7.08
L914	N72° 23' 22" W	56.59'	20.37
L915	N53° 15' 13" W	50.31'	18.11
L916	N39° 04' 57" W	54.29'	19.54
L917	N84° 19' 11" E	31.32'	11.28
L918	S75° 05' 06" E	13.60'	4.90
L919	S61° 05' 38" E	63.70'	22.93
L920	S38° 08' 57" E	70.54'	25.39
L921	S56° 48' 46" E	5.37'	1.93

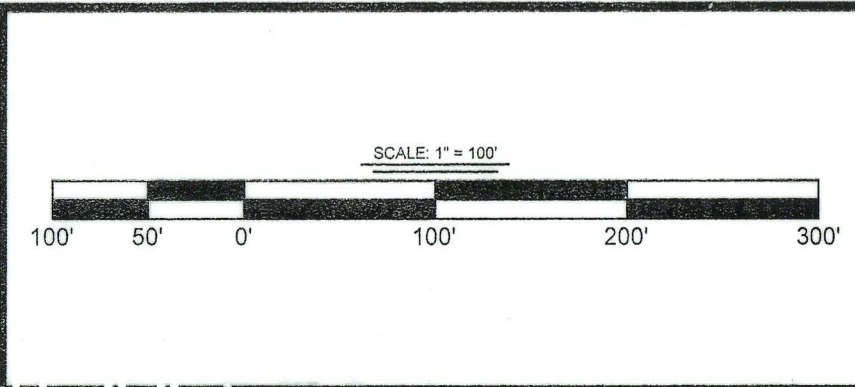
- LEGEND:
- P.O.B. POINT OF BEGINNING
 - P.O.T. POINT OF TERMINATION
 - MHW MEAN HIGH WATER
 - SURVEY LINE
 - MHW LINE AS SURVEYED (DECEMBER 21, 2022)
 - SUBMERGED STATE TRACT
 - REFERENCE TIE
 - TRACT LINE
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CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MCY DREDGED MATERIAL TO:

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- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

REV. NO.	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:	JMN
DATE:	04/10/2023	JOB NO.:	2022.1784
DRAWING NAME:	PCCA-CBS NUECES BAY_21DEC2022_FINAL		
PROJECTION:	TEXAS SOUTH ZONE		
GEO. DATUM:	NAD83 (2011) VERT. DATUM: NAVD88		
GRID UNITS:	US SURVEY FEET		
SHEET NO.:	24	OF	28

COASTAL BOUNDARY SURVEY
NUECES COUNTY & SAN PATRICIO COUNTY

Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odum Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A. Nueces County and San Patricio County, Texas.

SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ
JAMES M. NAISMITH RPLS, LSLs

1/19/2022 - PNY-20220202-1784DWG02-4-5-2023PCCA-CBS_NUECES BAY_21DEC2022_FINAL.DWG

MHW LINE NO. 80				
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)	
L956	S21° 31' 52"E	5.37'	1.93	
L957	S42° 03' 03"E	67.08'	24.15	
L958	S61° 29' 03"E	35.42'	12.75	
L959	N71° 08' 11"E	42.31'	15.23	
L960	N15° 32' 03"W	6.12'	2.20	
L961	N54° 53' 04"W	75.81'	27.29	
L962	N68° 00' 32"W	48.63'	17.51	

MHW LINE NO. 81				
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)	
L963	N57° 59' 16"W	18.09'	6.51	
L964	N42° 49' 48"W	17.69'	6.37	
L965	N49° 03' 22"E	4.90'	1.76	
L966	S58° 25' 57"E	11.86'	4.27	
L967	S48° 00' 19"E	23.48'	8.45	
L968	S45° 19' 58"W	5.48'	1.97	

MHW LINE NO. 83				
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)	
L1004	N57° 46' 44"W	47.60'	17.14	
L1005	N30° 37' 15"W	56.15'	20.21	
L1006	N01° 58' 49"E	59.33'	21.36	
L1007	N73° 10' 02"E	9.70'	3.49	
L1008	S60° 11' 41"E	44.96'	16.19	
L1009	S38° 31' 46"E	18.88'	6.80	
L1010	S38° 25' 22"E	19.06'	6.86	
L1011	S25° 45' 00"E	22.26'	8.01	
L1012	S23° 01' 57"E	16.90'	6.08	
L1013	S08° 02' 27"W	39.43'	14.19	
L1014	S60° 07' 14"W	18.29'	6.58	

GRIFFITH & ASSOC INC.
P.O. BOX 168
SKIDMORE, TEXAS 78389

P.O.T.
N:17,210,974.5'
E:1,300,236.9'
ELEV: 1.0' NAVD88

S32°18'49"E
(21,965.21' 7,907.48 VARAS)
NGS MONUMENT DP0723 877 5244 A

P.O.B.
N:17,210,933.0'
E:1,300,100.8'
ELEV: 1.0' NAVD88

P.O.T.
N:17,210,842.7'
E:1,300,110.1'
ELEV: 1.0' NAVD88

P.O.B.
N:17,210,693.0'
E:1,300,069.3'
ELEV: 1.0' NAVD88

MHW LINE NO. 79
DECEMBER, 2022
ELEV: 1.0' NAVD 88

E. B. ODEM SURVEY
ABSTRACT 5

KIMON J LYMBERRY, ET AL
20730 S BLUE HYACINTH
CYPRESS, TX 77433-6699

E. B. ODEM SURVEY
ABSTRACT 5

KIMON J LYMBERRY, ET AL
20730 S BLUE HYACINTH
CYPRESS, TX 77433-6699

MHW LINE NO. 82				
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)	
L969	S86° 37' 02"W	34.26'	12.33	
L970	N80° 43' 06"W	82.44'	29.68	
L971	N67° 19' 24"W	88.30'	31.79	
L972	N48° 07' 42"W	433.21'	155.96	
L973	N56° 56' 39"W	178.95'	64.42	
L974	S45° 26' 08"W	33.67'	12.12	
L975	S30° 07' 29"E	172.36'	62.05	
L976	N73° 46' 50"W	64.01'	23.04	
L977	N53° 12' 24"W	135.71'	48.86	
L978	N24° 57' 38"W	131.22'	47.24	
L979	S82° 51' 59"W	55.48'	19.97	
L980	S13° 09' 37"E	52.48'	18.89	
L981	S31° 27' 11"E	135.28'	48.70	
L982	S47° 41' 03"E	22.86'	8.39	
L983	S78° 27' 05"W	15.53'	5.59	
L984	N70° 47' 38"W	96.48'	34.73	
L985	N59° 55' 02"W	144.54'	52.03	
L986	N35° 48' 50"W	129.77'	46.72	
L987	S77° 47' 40"W	28.38'	10.22	
L988	S22° 24' 56"E	47.39'	17.06	
L989	S60° 05' 51"W	47.56'	17.12	
L990	N69° 10' 47"W	58.72'	21.14	
L991	N07° 37' 49"E	67.99'	24.48	
L992	S85° 07' 57"W	49.85'	17.95	
L993	S27° 23' 58"W	81.94'	29.50	
L994	S41° 48' 04"W	42.79'	15.40	
L995	S05° 30' 40"E	104.31'	37.55	
L996	S06° 10' 17"W	22.64'	8.15	
L997	S74° 59' 32"W	8.42'	3.03	
L998	N21° 49' 02"W	50.74'	18.27	
L999	S63° 16' 55"W	82.52'	29.71	
L1000	S54° 09' 13"W	117.05'	42.14	
L1001	S76° 25' 41"W	99.78'	35.92	
L1002	S21° 10' 43"W	47.50'	17.10	
L1003	N79° 47' 27"W	36.63'	13.19	

MHW LINE NO. 84				
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)	
L1015	N54° 56' 36"W	71.05'	25.58	
L1016	N39° 20' 51"W	71.43'	25.71	
L1017	N13° 28' 53"W	68.14'	24.53	
L1018	N02° 03' 23"W	71.60'	25.78	
L1019	N30° 43' 10"E	21.92'	7.89	
L1020	S75° 47' 39"E	42.99'	15.48	
L1021	S57° 22' 25"E	62.04'	22.33	
L1022	S46° 05' 41"E	60.41'	21.75	
L1023	S26° 24' 33"E	70.66'	25.44	
L1024	S08° 42' 14"E	43.05'	15.50	
L1025	S25° 41' 42"W	38.70'	13.93	
L1026	S61° 25' 02"W	34.55'	12.64	

P.O.B.
N:17,210,956.4'
E:1,301,736.1'
ELEV: 1.0' NAVD88

S28°54'41"E
(21,185.88' 7,626.92 VARAS)
NGS MONUMENT DP0723 877 5244 A

- NOTES:
- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#4205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.00000330 AND CONVERGENCE ANGLE IS +00° 27' 37".
 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT:
NGS MONUMENT "DP0723 877 5244 A" (PUBLISHED)
N: 17,192,410.93'
E: 1,311,978.51'
ELEV: 8.90' 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 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON (8775286), CORPUS CHRISTI, TX, AND (8775244), NUECES BAY, TEXAS.
 - TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 - REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 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 SAN PATRICIO COUNTY CENTRAL APPRAISAL DISTRICT.
 - NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE 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
Instrument #2023020354, Official Public Records of Nueces County, Texas.
Instrument #733379, Official Public Records of San Patricio County, Texas.

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 21, 2022
SURVEY PERSONNEL: WINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ

JMA 1/6/2023
JAMES M. NAISMITH RPLS, LLSLS

LEGEND:
P.O.B. POINT OF BEGINNING
P.O.T. POINT OF TERMINATION
MHW MEAN HIGH WATER
SURVEY LINE
MHW LINE AS SURVEYED (DECEMBER 21, 2022)
SUBMERGED STATE TRACT
REFERENCE TIE
TRACT LINE
SURVEY BOUNDARY LINE

DRAWN BY: CDW APPROVED BY: JMN
DATE: 04/10/2023 JOB NO: 2022.1784
DRAWING NAME: PCCA-CBS_NUECES BAY_21DEC2022_FINAL
PROJECTION: TEXAS SOUTH ZONE
GEO. DATUM: NAD83 (2011) | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET
SHEET NO: 25 OF 28

COASTAL BOUNDARY SURVEY
NUECES COUNTY & SAN PATRICIO COUNTY
Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villarey Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A, Nueces County and San Patricio County, Texas.

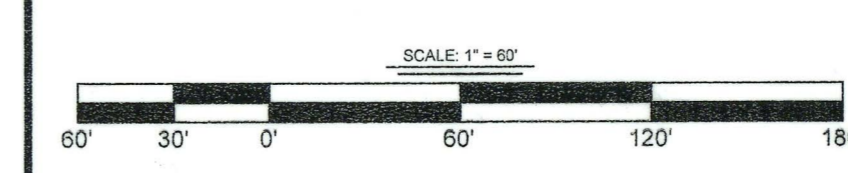
11/9/2022 - PLY-202202022-1784DWG02-4-5-2023-PCCA-CBS_NUECES BAY_21DEC2022_FINAL.DWG

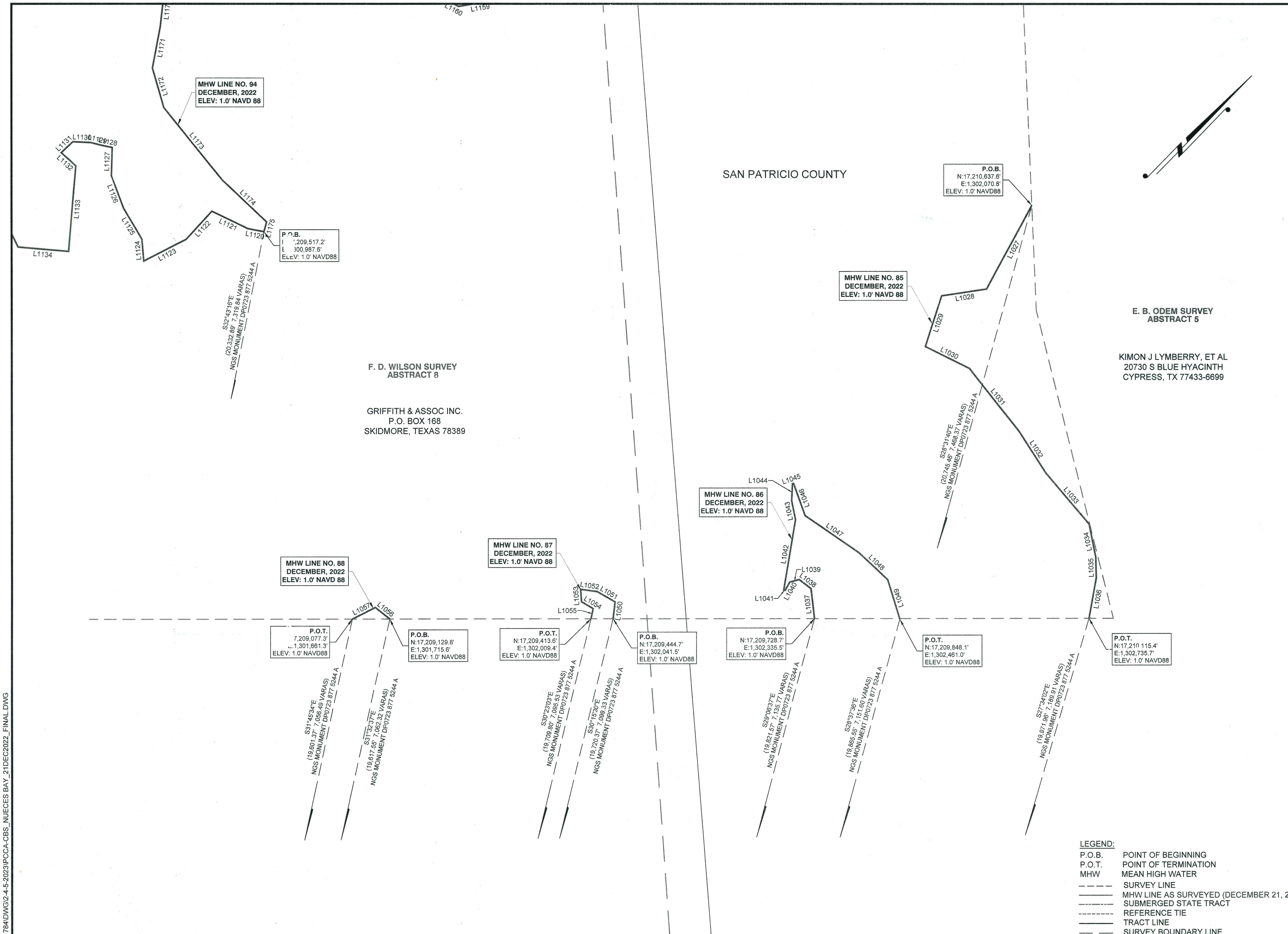
CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MCY DREDGED MATERIAL TO:

- COMBAT EROSION BY PROVIDING 395 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 2000' BREAKWATER (TO TIE INTO THE CURRENTLY PLANNED 4000' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 8.2 FT/YR.
- NOURISH DEGRADED HABITAT BY CONVERTING 206 ACRES OF OPEN WATER INTO ESTUARINE MARSH.
- CREATE 120 ACRES OF AN INTERTIDAL LIVING SHORELINE TO PROVIDE SHORELINE PROTECTION AND PREVENT ROAD OVERTOPPING IN THE HORSESHOE.
- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

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





MHW LINE NO. 85			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1027	S15° 30' 36"E	192.22'	69.20
L1028	S37° 23' 17"W	92.14'	33.17
L1029	S26° 07' 32"E	108.29'	38.98
L1030	N72° 18' 27"E	99.47'	35.81
L1031	S82° 18' 55"E	161.68'	58.20
L1032	S76° 57' 16"E	100.71'	36.26
L1033	S84° 03' 10"E	136.08'	48.99
L1034	S55° 20' 36"E	68.19'	24.55
L1035	S45° 27' 37"E	43.22'	15.56
L1036	S33° 49' 11"E	83.30'	29.99

MHW LINE NO. 86			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1037	N50° 35' 34"W	61.26'	22.05
L1038	S83° 33' 19"W	30.47'	10.97
L1039	S30° 29' 11"W	19.66'	7.08
L1040	S14° 07' 39"E	19.49'	7.02
L1041	S52° 20' 25"W	2.68'	0.96
L1042	N34° 34' 12"W	145.90'	52.52
L1043	N55° 17' 23"W	39.72'	14.30
L1044	N41° 02' 40"W	33.93'	12.21
L1045	N26° 59' 38"E	2.39'	0.86
L1046	S63° 40' 52"E	69.54'	25.03
L1047	N80° 32' 32"E	132.24'	47.61
L1048	N89° 25' 25"E	80.51'	28.98
L1049	S61° 04' 20"E	84.31'	30.35

MHW LINE NO. 87			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1050	N37° 14' 03"W	34.36'	12.37
L1051	S76° 05' 38"W	41.61'	14.98
L1052	S54° 05' 46"W	34.02'	12.25
L1053	S47° 55' 06"E	25.28'	9.10
L1054	N76° 38' 05"E	27.21'	9.80
L1055	S32° 40' 56"E	21.12'	7.60

MHW LINE NO. 88			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1056	S84° 32' 57"W	37.46'	13.49
L1057	S19° 12' 58"W	51.85'	18.67

E. B. ODEM SURVEY
ABSTRACT 5

KIMON J LYMBERRY, ET AL
20730 S BLUE HYACINTH
CYPRESS, TX 77433-6699

F. D. WILSON SURVEY
ABSTRACT 8

GRIFFITH & ASSOC INC.
P.O. BOX 168
SKIDMORE, TEXAS 78389

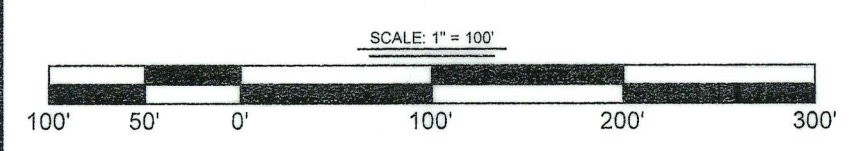
- NOTES:
- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#4205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.00000330 AND CONVERGENCE ANGLE IS +00° 27' 37".
 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT:
NGS MONUMENT "DP0723 877 5244 A" (PUBLISHED)
N: 17,192,410.93'
E: 1,311,978.51'
ELEV: 8.90' 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 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON [8775296], CORPUS CHRISTI, TX, AND [8775244], NUECES BAY, TEXAS.
 - TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 - REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 FOR ADDITIONAL INFORMATION.
 - ADJACENT TRACTS ARE SHOWN GRAPHICALLY FOR IDENTIFICATION PURPOSES ONLY AND ARE NOT SPECIFICALLY TIED TO SUBJECT BOUNDARY.
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SURVEY DATE: DECEMBER 21, 2022
SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ.

JMS 7/6/2023
JAMES M. NAISMITH RPLS, LLSLS

- LEGEND:
- P.O.B. POINT OF BEGINNING
 - P.O.T. POINT OF TERMINATION
 - MHW MEAN HIGH WATER
 - SURVEY LINE
 - MHW LINE AS SURVEYED (DECEMBER 21, 2022)
 - SUBMERGED STATE TRACT
 - REFERENCE TIE
 - TRACT LINE
 - SURVEY BOUNDARY LINE



T. BAKER SMITH
A CENTURY OF SOLUTIONS
3854 FM 1069
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TBPLS #10194575

CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MCY DREDGED MATERIAL TO:

- COMBAT EROSION BY PROVIDING 395 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 2000' BREAKWATER (TO TIE INTO THE CURRENTLY PLANNED 4000' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 8.2 FT/YR
- NOURISH DEGRADED HABITAT BY CONVERTING 206 ACRES OF OPEN WATER INTO ESTUARINE MARSH.
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- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

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

DRAWN BY:	CDW	APPROVED BY:	JMN
DATE:	04/10/2023	JOB NO.:	2022.1784
DRAWING NAME: PCCA-CBS_NUECES BAY_21DEC2022_FINAL			
PROJECTION: TEXAS SOUTH ZONE			
GEO. DATUM: NAD83 (2011) VERT. DATUM: NAVD88			
GRID UNITS: US SURVEY FEET			
SHEET NO.:	26	OF	28

COASTAL BOUNDARY SURVEY
NUECES COUNTY & SAN PATRICIO COUNTY

Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A, Nueces County and San Patricio County, Texas.

11/09/2022 - P:\Y-2022\2022.1784\DWG\32-4-5-2023\PCCA-CBS_NUECES BAY_21DEC2022_FINAL.DWG

P.O.B.
N:17,208,618.9'
E:1,300,200.8'
ELEV: 1.0' NAVD88

F. D. WILSON SURVEY
ABSTRACT 8

GRIFFITH & ASSOC. INC.
P.O. BOX 168
SKIDMORE, TEXAS 78389

NUECES BAY

SAN PATRICIO COUNTY

F. D. WILSON SURVEY
ABSTRACT 8

GRIFFITH & ASSOC. INC.
P.O. BOX 168
SKIDMORE, TEXAS 78389

MHW LINE NO. 76			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L892	S76° 58' 21"E	77.88'	28.04
L893	N86° 15' 50"E	126.76'	45.63
L894	S54° 41' 30"E	83.78'	30.16
L895	S31° 31' 43"E	116.03'	41.77
L896	S79° 07' 27"E	39.86'	14.35
L897	S65° 04' 25"E	60.32'	21.72
L898	S49° 28' 15"E	136.70'	49.21
L899	S79° 53' 57"E	207.49'	74.70
L900	S66° 58' 18"E	138.91'	50.01
L901	N70° 25' 50"E	86.67'	31.20
L902	S85° 19' 31"E	89.82'	32.34
L903	S53° 15' 40"E	61.55'	22.16
L904	N54° 15' 38"E	41.11'	14.80
L905	S81° 00' 59"E	56.55'	20.36
L906	S41° 19' 01"E	81.64'	29.39
L907	S86° 21' 46"E	17.67'	6.36

MHW LINE NO. 89			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1058	N20° 02' 04"W	51.46'	18.53
L1059	N67° 55' 58"E	37.80'	13.61
L1060	N35° 50' 14"W	385.47'	138.77
L1061	N79° 46' 29"W	15.83'	5.70
L1062	S28° 07' 05"W	28.48'	10.25
L1063	N43° 41' 10"W	63.43'	22.83
L1064	N71° 45' 09"E	74.03'	26.65
L1065	N69° 03' 19"E	119.62'	43.06
L1066	S65° 21' 03"E	146.31'	52.67
L1067	S19° 24' 25"E	26.60'	9.58
L1068	S19° 10' 02"W	24.45'	8.80
L1069	S43° 25' 32"W	48.51'	17.46
L1070	S43° 37' 31"E	29.62'	10.66
L1071	S34° 34' 51"W	1.71'	0.62
L1072	N70° 44' 01"W	15.67'	5.64
L1073	N28° 34' 53"W	18.71'	6.74
L1074	S85° 33' 36"W	30.36'	10.93
L1075	N43° 03' 48"W	16.42'	5.91
L1076	S55° 18' 38"W	33.45'	12.04
L1077	S55° 20' 52"E	9.37'	3.37
L1078	S86° 36' 39"E	24.02'	8.65
L1079	S63° 52' 53"E	31.29'	11.26
L1080	S45° 00' 43"E	37.44'	13.48
L1081	N43° 33' 12"E	29.86'	10.75
L1082	N23° 00' 08"E	63.71'	22.94
L1083	N16° 51' 02"W	83.83'	30.18
L1084	N17° 59' 56"E	46.96'	16.91
L1085	S43° 06' 49"E	87.64'	31.55
L1086	S22° 02' 48"E	108.71'	39.14
L1087	S06° 44' 58"E	176.40'	63.50
L1088	S15° 42' 54"W	33.63'	12.11
L1089	S16° 20' 02"E	20.60'	7.42

MHW LINE NO. 90			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1090	N56° 17' 58"W	36.39'	13.10
L1091	N08° 34' 25"W	13.84'	4.98
L1092	N71° 12' 47"E	14.56'	5.24
L1093	S45° 40' 06"E	39.77'	14.32
L1094	S21° 00' 47"W	9.92'	3.57
L1095	S76° 30' 57"W	6.52'	2.35

MHW LINE NO. 91			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1096	N58° 08' 11"W	56.63'	20.39
L1097	N53° 29' 57"W	43.26'	15.57
L1098	N23° 34' 33"E	7.62'	2.74
L1099	S76° 47' 24"E	80.96'	29.15
L1100	S59° 30' 50"E	33.64'	12.11

MHW LINE NO. 92			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1101	N41° 35' 02"W	40.37'	14.53
L1102	N11° 34' 07"W	34.25'	12.51
L1103	N52° 19' 54"W	64.79'	23.32
L1104	N40° 14' 20"E	2.78'	1.00
L1105	S73° 57' 19"E	64.40'	23.18
L1106	S63° 19' 05"E	82.89'	29.84

- NOTES:
- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#4205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES ARE GRID. THE COMBINED SCALE FACTOR IS 1.00000330 AND CONVERGENCE ANGLE IS +30" 27' 37".
 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT:
NGS MONUMENT "DP0723 877 5244 A" (PUBLISHED)
N: 17,192,410.93'
E: 1,311,978.51'
ELEV: 8.90' 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 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON [8775296], CORPUS CHRISTI, TX, AND [8775244], NUECES BAY, TEXAS.
 - TO CONVERT FEET TO VARAS MULTIPLY BY 0.38.
 - REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 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 SAN PATRICIO COUNTY CENTRAL APPRAISAL DISTRICT.
 - NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE 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

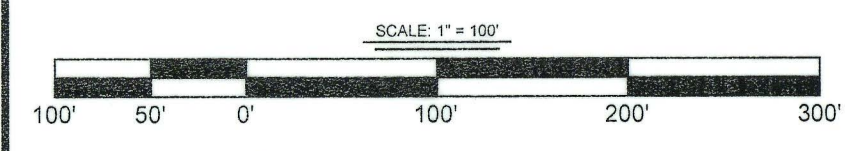
Instrument #2023020354, Official Public Records of Nueces County, Texas.
Instrument #733379, Official Public Records of San Patricio County, Texas.

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 21, 2022
SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ

JAMES M. NAISMITH RPLS, LSLIS

- LEGEND:
- P.O.B. POINT OF BEGINNING
 - P.O.T. POINT OF TERMINATION
 - MHW MEAN HIGH WATER
 - SURVEY LINE
 - MHW LINE AS SURVEYED (DECEMBER 21, 2022)
 - SUBMERGED STATE TRACT
 - REFERENCE TIE
 - TRACT LINE
 - SURVEY BOUNDARY LINE



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:	JMN
DATE:	04/10/2023	JOB NO.:	2022.1784
DRAWING NAME:	PCCA-CBS_NUECES_BAY_21DEC2022_FINAL		
PROJECTION:	TEXAS SOUTH ZONE		
GEO. DATUM:	NAD83 (2011) VERT. DATUM: NAVD88		
GRID UNITS:	US SURVEY FEET		
SHEET NO.:	27	OF	28

COASTAL BOUNDARY SURVEY
NUECES COUNTY & SAN PATRICIO COUNTY

Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.s 684, 689A, 691, 700, 706, 745, 746, 746A, and 750A. Nueces Bay and San Patricio County, Texas.

11/9/2022 - P.V. 2022-2022-1784DWG30-4-5-2023PCCA-CBS_NUECES_BAY_21DEC2022_FINAL.DWG

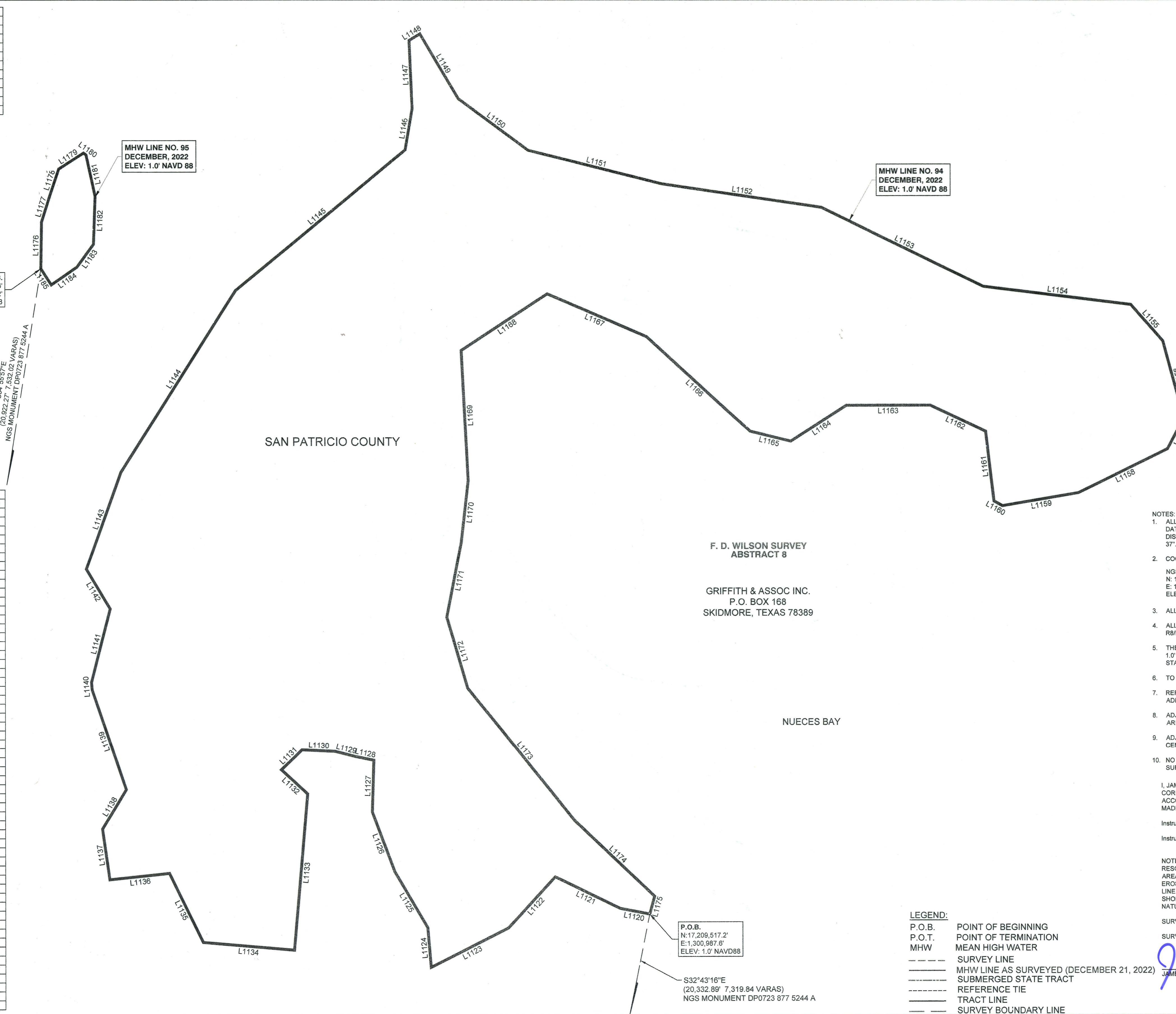
CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MCY DREDGED MATERIAL TO:

- COMBAT EROSION BY PROVIDING 395 ACRES OF SACRIFICIAL EROSION PROTECTION ALONG WITH CONSTRUCTION OF A 200' BREAKWATER (TO THE INTO THE CURRENTLY PLANNED 400' BREAKWATER) IN THE NUECES DELTA WHICH IS ERODING AT 8.2 FT/YR.
- NOURISH DEGRADED HABITAT BY CONVERTING 206 ACRES OF OPEN WATER INTO ESTUARINE MARSH.
- CREATE 120 ACRES OF AN INTERTIDAL LIVING SHORELINE TO PROVIDE SHORELINE PROTECTION AND PREVENT ROAD OVERTOPPING IN THE HORSESHOE.
- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

REV. NO.	REV. DATE	REV. DESCRIPTION	REV. BY:
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MHW LINE NO. 95			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1176	N43° 07' 16"W	52.02'	18.73
L1177	N26° 26' 39"W	32.21'	11.60
L1178	N25° 25' 48"W	29.80'	10.73
L1179	N13° 36' 15"E	32.94'	11.86
L1180	N81° 07' 28"E	3.50'	1.26
L1181	S56° 18' 53"E	47.31'	17.03
L1182	S41° 58' 42"E	53.11'	19.12
L1183	S08° 04' 07"E	31.44'	11.32
L1184	S11° 08' 36"W	35.08'	12.63
L1185	N76° 39' 08"W	21.61'	7.78

MHW LINE NO. 94			
LINE NO.	BEARING	DIST. (FT)	DIST. (VRS)
L1120	S56° 52' 29"W	33.43'	12.03
L1121	S71° 48' 31"W	80.72'	29.06
L1122	S01° 17' 51"E	77.29'	27.82
L1123	S19° 03' 00"W	96.84'	34.86
L1124	N48° 52' 29"W	44.50'	16.02
L1125	N74° 39' 12"W	72.28'	26.02
L1126	N64° 32' 47"W	70.73'	25.46
L1127	N47° 15' 42"W	57.41'	20.67
L1128	S57° 29' 14"W	21.60'	7.78
L1129	S60° 09' 40"W	22.85'	8.23
L1130	S48° 38' 38"W	37.09'	13.35
L1131	S02° 15' 10"W	31.87'	11.47
L1132	N88° 44' 46"E	39.75'	14.31
L1133	S39° 02' 09"E	173.89'	62.60
L1134	S50° 58' 03"W	102.07'	36.75
L1135	N70° 06' 26"W	85.73'	30.86
L1136	S40° 00' 52"W	67.02'	24.13
L1137	N52° 08' 22"W	56.57'	20.37
L1138	N12° 37' 58"W	51.10'	18.40
L1139	N62° 51' 12"W	117.78'	42.40
L1140	N48° 33' 03"W	8.46'	3.05
L1141	N29° 44' 15"W	85.03'	30.61
L1142	N74° 49' 23"W	51.91'	18.69
L1143	N24° 22' 28"W	115.10'	41.44
L1144	N11° 33' 43"W	239.21'	86.12
L1145	N06° 25' 34"E	246.26'	88.65
L1146	N34° 20' 49"W	46.72'	16.82
L1147	N46° 31' 30"W	76.39'	27.50
L1148	N14° 49' 16"E	14.23'	5.12
L1149	S74° 33' 11"E	84.25'	30.33
L1150	N82° 29' 01"E	96.86'	34.87
L1151	N60° 01' 03"E	154.10'	55.48
L1152	N54° 21' 16"E	180.05'	64.82
L1153	N72° 08' 55"E	201.24'	72.45
L1154	N53° 01' 37"E	166.33'	59.88
L1155	S85° 28' 42"E	53.91'	19.41
L1156	S59° 14' 15"E	88.80'	31.97
L1157	S16° 16' 33"E	39.01'	14.04
L1158	S19° 56' 09"W	110.94'	39.94
L1159	S36° 19' 24"W	86.25'	31.05
L1160	S74° 47' 23"W	10.90'	3.92
L1161	N50° 50' 04"W	78.17'	28.14
L1162	S71° 24' 24"W	68.43'	24.63
L1163	S45° 56' 19"W	93.54'	33.67
L1164	S13° 08' 19"W	73.97'	26.63
L1165	S59° 08' 12"W	46.74'	16.83
L1166	S88° 20' 49"W	156.33'	56.28
L1167	S69° 12' 38"W	120.87'	43.51
L1168	S12° 54' 54"W	114.96'	41.39
L1169	S47° 00' 56"E	145.04'	52.21
L1170	S37° 32' 48"E	69.90'	25.16
L1171	S33° 08' 54"E	85.25'	30.69
L1172	S60° 08' 39"E	82.94'	29.86
L1173	S82° 57' 46"E	189.78'	68.32
L1174	N89° 17' 44"E	122.83'	44.22
L1175	S28° 30' 21"E	20.57'	7.41



- NOTES:
- ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH ZONE (#4205), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE COMBINED SCALE FACTOR IS 1.00000330 AND CONVERGENCE ANGLE IS +00° 27' 37".
 - COORDINATES AND ELEVATIONS ARE BASED ON NGS MONUMENT:
NGS MONUMENT "DP0723 877 5244 A" (PUBLISHED)
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ELEV: 8.90' NAVD88
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 - THE LITTORAL BOUNDARY IS BASED ON THE MEAN HIGH WATER (MHW) CONTOUR. MHW ELEVATION OF 1.0' NAVD88 WAS DERIVED USING A TEMPORARY LOCAL TIDE GAUGE REFERENCED TO NOAA TIDE STATION USS LEXINGTON [877528], CORPUS CHRISTI, TX, AND [8775244], NUECES BAY, TEXAS.
 - TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 - REFERENCE ACCOMPANYING REPORT CONTAINING FIELD NOTES DATED DECEMBER 22, 2022 FOR ADDITIONAL INFORMATION.
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 - ADJACENT OWNER INFORMATION IS BASED ON ONLINE MAP DATA FROM SAN PATRICIO COUNTY CENTRAL APPRAISAL DISTRICT.
 - NO ARTIFICIAL FILL / BUILD UP WAS DISCOVERED AND NO RETAINING WALLS EXISTED AT THE 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
Instrument #2023020354, Official Public Records of Nueces County, Texas.
Instrument #733379, Official Public Records of San Patricio County, Texas.

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 21, 2022
SURVEY PERSONNEL: VINNIE MAGNI, FRANK SOLIS, DANIEL WILLIS AND TONY RAMIREZ.



- LEGEND:
- P.O.B. POINT OF BEGINNING
 - P.O.T. POINT OF TERMINATION
 - MHW MEAN HIGH WATER
 - SURVEY LINE
 - MHW LINE AS SURVEYED (DECEMBER 21, 2022)
 - SUBMERGED STATE TRACT
 - REFERENCE TIE
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11/19/2022 - PLY-2022-02-17841DWG02-4-5-2023PCCA-CBS_NUECES BAY_21DEC2022_FINAL.DWG

CORPUS CHRISTI SHIP CHANNEL IMPROVEMENT PROJECT - CONTRACT 4 - INNER HARBOR ENTIRE PROJECT WILL BENEFICIALLY USE 5 MOY DREDGED MATERIAL TO:

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- BOLSTER LOCAL ECONOMIC AND COMMERCIAL ENTITIES WITH THE CREATION OF A 200-ACRE INDUSTRIAL BU SITE.

REV. NO.	REV. DATE	REV. DESCRIPTION	REV. BY
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T. BAKER SMITH
A CENTURY OF SOLUTIONS
3854 FM 1069
Aransas Pass, TX 78336
(361)334-5719 - tbsmith.com
TBPLS #10194575

SCALE: 1" = 100'

DRAWN BY:	CDW	APPROVED BY:	JMN
DATE:	04/10/2023	JOB NO.:	2022.1784
DRAWING NAME:	PCCA-CBS_NUECES BAY_21DEC2022_FINAL		
GEO. DATUM:	NAD83 (2011) VERT. DATUM: NAVD88		
GRID UNITS:	US SURVEY FEET		
SHEET NO.:	28	OF	28

COASTAL BOUNDARY SURVEY
NUECES COUNTY & SAN PATRICIO COUNTY

Being the Littoral Boundary line of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A. Nueces County and San Patricio County, Texas.



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

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. San Patricio, SK No. 10
File Date 7/23/24 by L. Parsons

**Surveying Services
Coastal Boundary Survey**

Project: San Patricio Co. Nueces Bay BU Sites, Nueces, and San Patricio County

Project No: SL-20220073

Project Manager: Amy Nunez, Dianna Ramirez, Coastal Field Operations.

Surveyor: James M. Naismith, Licensed State Land Surveyor

Description: Coastal Boundary Survey dated December 21, 2022, being the Littoral Boundary line along the Mean High Water (MHW) lines of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 745, 706, 746, 746A and 750A, San Patricio and Nueces County Texas, in connections with GLO No SL20220073. Centroid coordinates 27.860163° N, 97.519034° W. A copy of the survey has been filed under Instrument No. 733370, Official Public Records San Patricio County, Texas, and Instrument No. 2023020354, Official Public Records, Nueces 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:

David Klotz, Staff Surveyor

7/15/2024

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.

by:

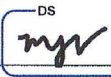
Signed: ^{DocuSigned by:}
Jennifer G Jones
Jennifer Jones E70CDF09B56540E...
Chief Clerk, Deputy Land Commissioner


7/18/2024
Date

Filed as: *Tex.Nat.Res.Code* San Patricio County, NRC Article 33.136 Sketch No. 10
Tex. Nat. Res. Code §33.136

ROUTING FOR INTERNAL DOCUSIGN PACKET

Staff Surveyor ^{DS} 

Surveying ^{DS} 

Legal ^{DS} 

Director ^{DS} 

Dep. Gen. Counsel ^{DS} 

Gen. Counsel ^{DS} 

1700 North Congress Avenue, Austin, Texas 78701-1495
P.O. Box 12873, Austin, Texas 78711-2873
512-463-5001 glo.texas.gov

T. Baker Smith, LLC

3854 FM 1069
Aransas Pass, TX 78336
(361) 334-5719
FIRM #10194575



COASTAL BOUNDARY SURVEY, DECEMBER 21, 2022

Being the Littoral Boundary line along the Mean High Water (MHW) lines of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 745, 706, 746, 746A and 750A, San Patricio County and Nueces County Texas.



Figure 1: Nueces Bay shoreline within surveyed area.

This report accompanies a map of survey dated December 21, 2022.



Figure 2: Typical Nueces Bay shoreline within surveyed area.



Figure 3: Typical Nueces Bay shoreline within surveyed area.

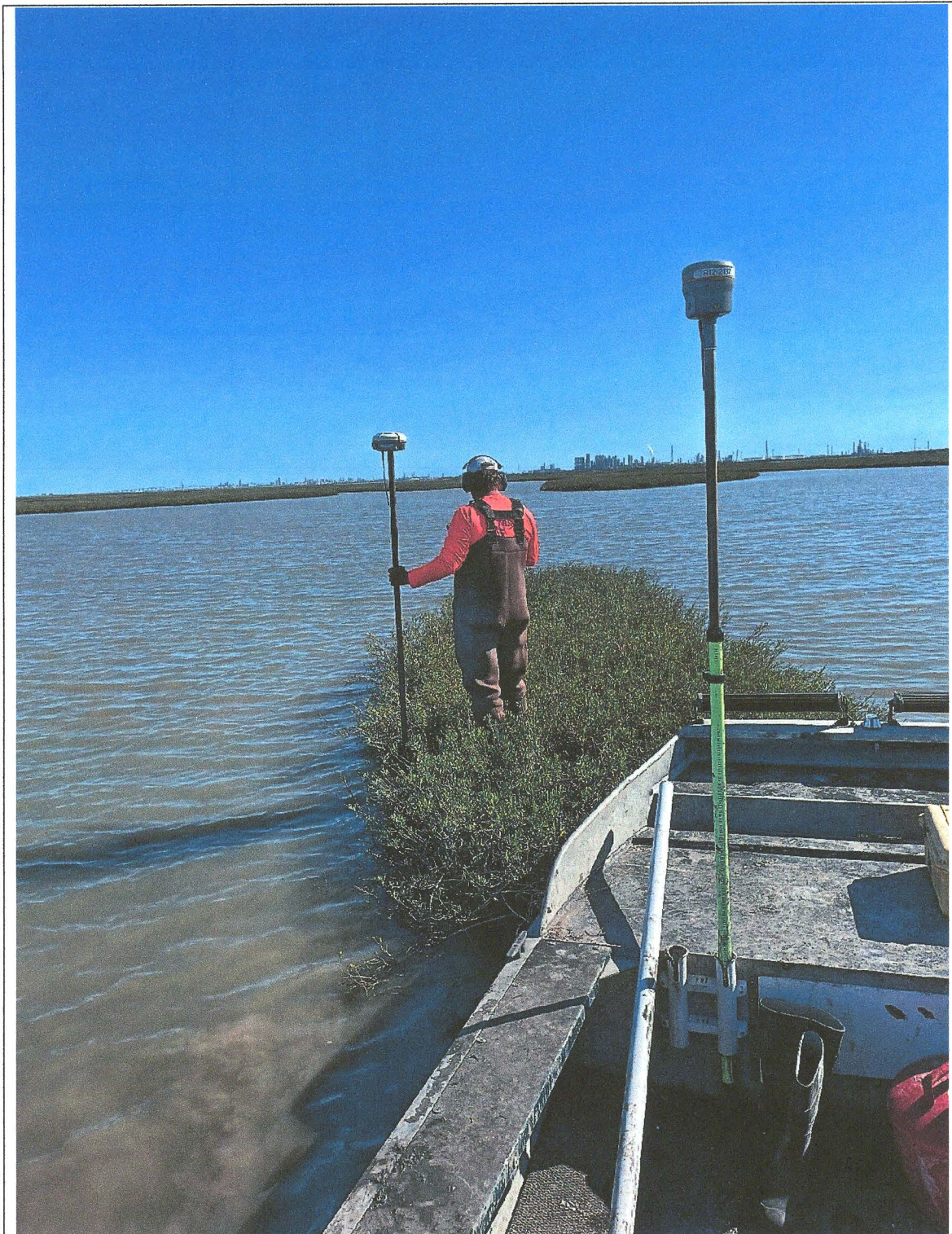


Figure 4: Typical Nueces Bay shoreline within surveyed area.

All survey work was performed using survey grade RTK GPS base and rover: Trimble R8/R10 Receivers. The survey was conducted December 21, 2022. NGS benchmarks used as primary control for the survey. Datum is NAD 83 (2011), South Zone, Texas Coordinate System (US Feet). Orthometric heights referenced to NAVD88 datum (Geoid 18).

SURVEY CONTROL:

Primary Control Point:

“DP0723 877 5244 A” (PUBLISHED)

Secondary Control Points:

None

	Northing	Easting	Elevation
NGS MONUMENTS			
DP0723 877 5244 A (PUBLISHED)	17,192,410.93'	1,311,978.51'	8.90'

The Littoral Boundary is based on the Mean High Water (MHW) line contour. MHW elevation of 1.0' NAVD88 was derived using a temporary local tide gauge referenced to NOAA Tide Station USS Lexington [8775296], Corpus Christi, Texas, and [8775244], Nueces Bay, Texas.

FIELD NOTES for the Littoral Boundary line along the Mean High Water (MHW) lines of Nueces Bay, Being a portion of the Northerly and Easterly boundary lines of the E. Villareal Survey, Abstract No. 1, T. Green Survey, Abstract Nos. 13 and 153, F.D. Wilson Survey, Abstract Nos. 8 & 14, State of Texas Survey, Abstract Nos. 9 & 12, T.A. Fisher Survey, Abstract No. 11, N.W. Wells Survey, Abstract No. 10, A.E. Ramsey Survey, Abstract No. 7, T.M. Mc Kamey Survey, Abstract No. 6 and the E.B. Odem Survey, Abstract No. 5, same being the Southerly and Westerly Boundary lines of Nueces Bay and State Submerged Tract No.'s 684, 689A, 691, 700, 706, 745, 746, 746A and 750A. Nueces County and San Patricio County, Texas.

Thence along Nueces Bay shoreline and said Mean High Water (MHW) line, the following 1381 courses and distances:

Mean High Water line No. 1 (MHW 1):

Beginning on Mean High Water line No. 1 (MHW 1), having coordinates of (N: 17,192,813.2', E: 1,325,508.8', ELEV: 1.0' NAVD88) from which NGS Monument “DP0723 877 5244 A (N: 17,192,410.9', 1,311,978.5', ELEV: 8.90') used for primary control bears S 88°17'49" W, a distance of 13,536.22' (4,873.04 Varas);

- L1) S85° 41' 04"W, a distance of 97.81' (35.21 Varas);
- L2) S76° 34' 25"W, a distance of 134.74' (48.51 Varas);
- L3) S61° 37' 36"W, a distance of 64.84' (23.34 Varas);

L4) S50° 15' 49"W, a distance of 540.74' (194.67 Varas);
 L5) S47° 22' 16"W, a distance of 510.43' (183.75 Varas);
 L6) S38° 39' 25"W, a distance of 676.01' (243.36 Varas);
 L7) S41° 29' 22"W, a distance of 292.73' (105.38 Varas);
 L8) S22° 34' 11"W, a distance of 181.33' (65.28 Varas);
 L9) S03° 30' 24"W, a distance of 84.61' (30.46 Varas);
 L10) S22° 33' 51"W, a distance of 91.98' (33.11 Varas);
 L11) S38° 09' 31"W, a distance of 111.88' (40.28 Varas);
 L12) S50° 18' 37"W, a distance of 200.98' (72.35 Varas);
 L13) S55° 57' 45"W, a distance of 268.95' (96.82 Varas);
 L14) S63° 52' 17"W, a distance of 177.80' (64.01 Varas);
 L15) S42° 52' 01"W, a distance of 76.00' (27.36 Varas);
 L16) S64° 49' 23"W, a distance of 339.53' (122.23 Varas);
 L17) S73° 13' 17"W, a distance of 254.89' (91.76 Varas);
 L18) S82° 21' 02"W, a distance of 549.09' (197.67 Varas);
 L19) S83° 09' 41"W, a distance of 242.29' (87.22 Varas);
 L20) S62° 37' 18"W, a distance of 190.49' (68.58 Varas);
 L21) S78° 31' 31"W, a distance of 121.80' (43.85 Varas) to the **Point of Termination** having coordinates of (N: 17,190,035.7', E: 1,321,422.9', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears N 75°53'00" W, a distance of 9,738.47 (3,505.85 Varas);

Mean High Water line No. 2 (MHW 2):

Beginning on Mean High Water line No. 2 (MHW 2), having coordinates of (N: 17,192,611.1', E: 1,311,851.0', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90') used for primary control bears S 32°29'58" E, a distance of 237.29' (85.42 Varas);

L22) N58° 58' 03"W, a distance of 320.51' (115.38 Varas);
 L23) N45° 37' 56"W, a distance of 345.92' (124.53 Varas);
 L24) N34° 56' 29"W, a distance of 388.66' (139.92 Varas);
 L25) N25° 18' 36"W, a distance of 208.45' (75.04 Varas);
 L26) N70° 50' 34"W, a distance of 27.55' (9.92 Varas);
 L27) N45° 44' 02"W, a distance of 41.19' (14.83 Varas);
 L28) N25° 12' 11"W, a distance of 374.89' (134.96 Varas);
 L29) N21° 08' 29"W, a distance of 454.58' (163.65 Varas);
 L30) N16° 05' 51"W, a distance of 282.95' (101.86 Varas);
 L31) N10° 39' 30"W, a distance of 257.45' (92.68 Varas);
 L32) N03° 36' 02"W, a distance of 355.74' (128.07 Varas);
 L33) N06° 42' 06"E, a distance of 214.83' (77.34 Varas);
 L34) N20° 08' 52"E, a distance of 205.80' (74.09 Varas);
 L35) N41° 45' 22"E, a distance of 141.05' (50.78 Varas);
 L36) N72° 29' 21"E, a distance of 55.54' (19.99 Varas);

L37) S49° 50' 55"E, a distance of 52.17' (18.78 Varas);
 L38) S19° 36' 22"E, a distance of 63.24' (22.77 Varas);
 L39) S89° 23' 42"E, a distance of 58.73' (21.14 Varas);
 L40) N13° 35' 52"E, a distance of 99.78' (35.92 Varas);
 L41) N58° 43' 40"E, a distance of 96.69' (34.81 Varas);
 L42) N20° 00' 35"E, a distance of 57.94' (20.86 Varas);
 L43) N14° 34' 41"W, a distance of 28.67' (10.32 Varas);
 L44) S88° 44' 14"W, a distance of 140.22' (50.48 Varas);
 L45) S57° 11' 14"W, a distance of 59.92' (21.57 Varas);
 L46) N49° 35' 28"W, a distance of 119.89' (43.16 Varas);
 L47) N71° 00' 00"W, a distance of 131.86' (47.47 Varas);
 L48) S60° 45' 28"W, a distance of 14.82' (5.34 Varas);
 L49) S11° 03' 18"E, a distance of 46.28' (16.66 Varas);
 L50) S33° 32' 44"W, a distance of 23.76' (8.55 Varas);
 L51) S82° 18' 05"W, a distance of 215.43' (77.55 Varas);
 L52) N80° 44' 22"W, a distance of 61.58' (22.17 Varas);
 L53) N56° 15' 50"W, a distance of 106.49' (38.34 Varas);
 L54) S78° 07' 54"W, a distance of 24.07' (8.67 Varas) to the **Point of Termination**
 having coordinates of (N: 17,195,918.0', E: 1,310,161.2', ELEV: 1.0' NAVD88),
 from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E:
 1,311,978.5' Elev: 8.90') bears S 27°23'35" E, a distance of 3,949.98' (1,421.99
 Varas);

Mean High Water line No. 3 (MHW 3):

Beginning on Mean High Water line No. 3 (MHW 3), having coordinates of (N:
 17,196,389.1', E: 1,310,249.7', ELEV: 1.0' NAVD88) from which NGS Monument
 "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90') used for
 primary control bears S 23°29'19" E, a distance of 4,337.61' (1,561.54 Varas);

L55) S77° 26' 04"E, a distance of 194.80' (70.13 Varas);
 L56) N44° 14' 16"E, a distance of 147.14' (52.97 Varas);
 L57) N76° 49' 22"E, a distance of 26.19' (9.43 Varas);
 L58) S63° 05' 28"E, a distance of 221.00' (79.56 Varas);
 L59) S83° 30' 50"E, a distance of 111.37' (40.09 Varas);
 L60) N69° 31' 01"E, a distance of 156.15' (56.21 Varas);
 L61) S80° 34' 10"E, a distance of 72.08' (25.95 Varas);
 L62) S31° 30' 48"E, a distance of 41.76' (15.03 Varas);
 L63) N65° 29' 12"E, a distance of 37.26' (13.41 Varas);
 L64) N05° 22' 56"W, a distance of 98.45' (35.44 Varas);
 L65) N62° 23' 06"W, a distance of 204.04' (73.45 Varas);
 L66) N45° 56' 15"W, a distance of 125.01' (45.00 Varas);
 L67) N45° 42' 25"W, a distance of 201.12' (72.40 Varas);
 L68) N12° 39' 21"W, a distance of 34.86' (12.55 Varas);

L69) N63° 03' 41"W, a distance of 127.80' (46.01 Varas);
 L70) N20° 53' 07"W, a distance of 60.10' (21.64 Varas);
 L71) N62° 20' 15"E, a distance of 110.02' (39.61 Varas);
 L72) N14° 53' 56"E, a distance of 32.28' (11.62 Varas);
 L73) N09° 00' 13"E, a distance of 185.35' (66.73 Varas);
 L74) N41° 50' 39"E, a distance of 44.62' (16.06 Varas);
 L75) N76° 56' 05"E, a distance of 55.79' (20.08 Varas);
 L76) N40° 18' 53"E, a distance of 70.05' (25.22 Varas);
 L77) N06° 46' 19"E, a distance of 70.38' (25.34 Varas);
 L78) N46° 12' 24"W, a distance of 72.26' (26.01 Varas);
 L79) S77° 46' 38"W, a distance of 196.79' (70.84 Varas);
 L80) N76° 02' 18"W, a distance of 83.69' (30.13 Varas);
 L81) S88° 06' 46"W, a distance of 152.19' (54.79 Varas);
 L82) N52° 02' 36"W, a distance of 196.65' (70.79 Varas);
 L83) N57° 52' 16"W, a distance of 106.76' (38.43 Varas);
 L84) N72° 21' 16"W, a distance of 176.08' (63.39 Varas);
 L85) N56° 57' 34"W, a distance of 76.92' (27.69 Varas);
 L86) S88° 14' 26"W, a distance of 79.25' (28.53 Varas);
 L87) S57° 20' 26"W, a distance of 64.67' (23.28 Varas);
 L88) S28° 13' 08"W, a distance of 73.56' (26.48 Varas) to the **Point of Termination** having coordinates of (N: 17,197,565.2', E: 1,309,730.5', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S23° 33' 52"E, a distance of 5,623.16' (2,024.34 Varas);

Mean High Water line No. 4 (MHW 4):

Beginning on Mean High Water line No. 4 (MHW 4), having coordinates of (N: 17,197,877.8', E: 1,308,188.5', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90'), used for primary control bears S34° 43' 57"E, a distance of 6,652.19' (2,394.79 Varas);

L89) S86° 04' 25"E, a distance of 57.83' (20.82 Varas);
 L90) S66° 00' 20"E, a distance of 157.41' (56.67 Varas);
 L91) N68° 07' 00"E, a distance of 55.91' (20.13 Varas);
 L92) N86° 36' 19"E, a distance of 80.37' (28.93 Varas);
 L93) N85° 38' 57"E, a distance of 49.60' (17.86 Varas);
 L94) N62° 00' 31"E, a distance of 55.46' (19.97 Varas);
 L95) S59° 52' 59"E, a distance of 57.69' (20.77 Varas);
 L96) S81° 32' 57"E, a distance of 19.71' (7.10 Varas);
 L97) N55° 58' 13"E, a distance of 51.24' (18.45 Varas);
 L98) S69° 21' 29"E, a distance of 130.41' (46.95 Varas);
 L99) S67° 22' 47"E, a distance of 113.86' (40.99 Varas);
 L100) N67° 29' 09"E, a distance of 120.76' (43.47 Varas);

L101) N49° 25' 27"E, a distance of 240.60' (86.62 Varas);
 L102) N34° 39' 20"E, a distance of 124.87' (44.95 Varas);
 L103) S87° 31' 40"E, a distance of 10.87' (3.91 Varas);
 L104) S29° 51' 36"W, a distance of 132.86' (47.83 Varas);
 L105) S34° 27' 31"W, a distance of 53.08' (19.11 Varas);
 L106) S45° 36' 55"W, a distance of 124.21' (44.72 Varas);
 L107) S60° 44' 56"W, a distance of 174.08' (62.67 Varas);
 L108) S25° 16' 17"E, a distance of 110.69' (39.85 Varas);
 L109) S35° 00' 27"E, a distance of 113.63' (40.91 Varas);
 L110) S56° 44' 18"E, a distance of 59.25' (21.33 Varas);
 L111) S85° 23' 33"E, a distance of 85.29' (30.70 Varas);
 L112) N58° 12' 04"E, a distance of 187.04' (67.33 Varas);
 L113) N46° 35' 00"E, a distance of 174.73' (62.90 Varas);
 L114) N06° 23' 45"E, a distance of 148.72' (53.54 Varas);
 L115) N78° 23' 42"E, a distance of 25.05' (9.02 Varas);
 L116) N29° 11' 02"E, a distance of 22.72' (8.18 Varas);
 L117) N07° 09' 54"W, a distance of 138.64' (49.91 Varas);
 L118) N20° 44' 23"W, a distance of 65.67' (23.64 Varas);
 L119) N35° 36' 35"W, a distance of 141.35' (50.89 Varas);
 L120) N14° 10' 26"W, a distance of 103.72' (37.34 Varas);
 L121) N51° 51' 23"W, a distance of 80.39' (28.94 Varas);
 L122) N77° 30' 33"W, a distance of 288.10' (103.72 Varas);
 L123) N46° 45' 22"W, a distance of 187.45' (67.48 Varas);
 L124) N63° 40' 54"W, a distance of 125.86' (45.31 Varas);
 L125) N11° 26' 18"W, a distance of 25.83' (9.30 Varas);
 L126) S47° 37' 40"W, a distance of 61.82' (22.26 Varas);
 L127) S72° 39' 32"W, a distance of 83.98' (30.23 Varas) to the **Point of Termination** having coordinates of (N: 17,198,574.4', E: 1,308,710.9', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S27° 55' 51"E, a distance of 6,976.12' (2,511.40 Varas);

Mean High Water line No. 5 (MHW 5):

Beginning on Mean High Water line No. 5 (MHW 5), having coordinates of (N: 17,198,560.1', E: 1,308,597.5', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90'), used for primary control bears S28° 48' 11"E, a distance of 7,017.39' (2,526.26 Varas);

L128) N32° 34' 56"E, a distance of 95.67' (34.44 Varas);
 L129) N63° 11' 42"E, a distance of 18.36' (6.61 Varas);
 L130) N19° 14' 48"W, a distance of 6.85' (2.47 Varas);
 L131) N72° 45' 14"W, a distance of 128.98' (46.43 Varas);

L132) N60° 49' 39"W, a distance of 114.37' (41.17 Varas);
L133) N25° 35' 38"W, a distance of 92.82' (33.42 Varas);
L134) N68° 08' 01"W, a distance of 228.84' (82.38 Varas);
L135) N77° 59' 02"W, a distance of 218.65' (78.71 Varas);
L136) S84° 49' 33"W, a distance of 77.73' (27.98 Varas);
L137) S68° 24' 56"W, a distance of 73.78' (26.56 Varas);
L138) S10° 49' 59"E, a distance of 34.75' (12.51 Varas);
L139) N34° 41' 20"E, a distance of 35.14' (12.65 Varas);
L140) N81° 46' 21"E, a distance of 114.32' (41.16 Varas);
L141) S78° 49' 15"E, a distance of 117.81' (42.41 Varas);
L142) S35° 27' 33"W, a distance of 59.38' (21.38 Varas) to the **Point of Termination** having coordinates of (N: 17,198,869.7', E: 1,308,048.6', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S31° 19' 09"E, a distance of 7,560.43' (2,721.75 Varas);

Mean High Water line No. 19 (MHW 19):

Beginning on Mean High Water line No. 19 (MHW 19), having coordinates of (N: 17,203,124.2', E: 1,300,042.6', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90'), used for primary control bears S48° 05' 24"E, a distance of 16,038.66' (5,773.92 Varas);

L143) N77° 08' 14"E, a distance of 95.44' (34.36 Varas);
L144) S82° 27' 43"E, a distance of 104.97' (37.79 Varas);
L145) S61° 50' 54"E, a distance of 54.96' (19.79 Varas) to the **Point of Termination** having coordinates of (N: 17,203,105.7', E: 1,300,288.2', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90'), used for primary control bears S47° 32' 47"E, a distance of 15,844.30' (5,703.95 Varas);

Mean High Water line No. 100 (MHW 100):

Beginning on Mean High Water line No. 100 (MHW 100), having coordinates of (N: 17,203,088.9, E: 1,300,511.5, ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90'), used for primary control bears S47° 02' 26"E, a distance of 15,668.84 (5,640.78 Varas);

L146) N63° 22' 55"E, a distance of 56.11' (20.20 Varas) to the **Point of Termination** having coordinates of (N: 17,203,114.1', E: 1,300,561.6', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90'), used for primary control bears S46° 50' 53"E, a distance of 15,649.35' (5,633.77 Varas);

Mean High Water line No. 97 (MHW 97):

Beginning on Mean High Water line No. 97 (MHW 97), having coordinates of (N: 17,203,589.1', E: 1,299,780.7', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90'), used for primary control bears S47° 29' 52"E, a distance of 16,544.98' (5,956.19 Varas);

- L147) S77° 14' 49"E, a distance of 47.53' (17.11 Varas);
- L148) S82° 00' 43"E, a distance of 128.45' (46.24 Varas);
- L149) N19° 55' 22"E, a distance of 39.37' (14.17 Varas);
- L150) N45° 48' 19"E, a distance of 39.49' (14.22 Varas);
- L151) N11° 46' 04"W, a distance of 39.64' (14.27 Varas);
- L152) N27° 48' 19"E, a distance of 21.94' (7.90 Varas);
- L153) N78° 44' 50"E, a distance of 5.69' (2.05 Varas);
- L154) S08° 25' 30"E, a distance of 98.06' (35.30 Varas);
- L155) S37° 09' 21"E, a distance of 45.76' (16.47 Varas);
- L156) S66° 31' 17"E, a distance of 61.47' (22.13 Varas);
- L157) N89° 37' 21"E, a distance of 31.88' (11.48 Varas);
- L158) N34° 39' 57"E, a distance of 22.02' (7.93 Varas);
- L159) N76° 57' 52"E, a distance of 23.94' (8.62 Varas);
- L160) S56° 54' 18"E, a distance of 14.74' (5.31 Varas);
- L161) S44° 09' 33"W, a distance of 18.55' (6.68 Varas);
- L162) S64° 12' 27"E, a distance of 75.27' (27.10 Varas);
- L163) S78° 54' 23"E, a distance of 197.33' (71.04 Varas);
- L164) S89° 51' 29"E, a distance of 32.29' (11.62 Varas);
- L165) N73° 31' 18"E, a distance of 67.62' (24.34 Varas);
- L166) S41° 24' 34"E, a distance of 15.92' (5.73 Varas);
- L167) S81° 16' 13"E, a distance of 75.24' (27.09 Varas);
- L168) N07° 14' 15"W, a distance of 5.94' (2.14 Varas);
- L169) N72° 00' 33"W, a distance of 55.07' (19.83 Varas);
- L170) N05° 49' 53"W, a distance of 19.84' (7.14 Varas);
- L171) N37° 33' 06"W, a distance of 66.13' (23.81 Varas);
- L172) N44° 57' 46"W, a distance of 193.30' (69.59 Varas);
- L173) N70° 45' 36"W, a distance of 34.66' (12.48 Varas);
- L174) N62° 56' 24"W, a distance of 102.72' (36.98 Varas);
- L175) N35° 20' 30"W, a distance of 92.08' (33.15 Varas);
- L176) N03° 27' 12"W, a distance of 91.41' (32.91 Varas);
- L177) N53° 48' 34"E, a distance of 97.90' (35.24 Varas);
- L178) N84° 33' 08"E, a distance of 82.90' (29.84 Varas);

L179) S81° 44' 47"E, a distance of 73.98' (26.63 Varas);
 L180) N37° 38' 48"E, a distance of 24.02' (8.65 Varas);
 L181) N62° 46' 38"E, a distance of 34.87' (12.55 Varas);
 L182) S07° 25' 43"E, a distance of 18.02' (6.49 Varas);
 L183) S34° 56' 16"W, a distance of 48.55' (17.48 Varas);
 L184) S85° 05' 16"W, a distance of 22.42' (8.07 Varas);
 L185) S09° 34' 12"W, a distance of 52.48' (18.89 Varas);
 L186) S48° 31' 40"E, a distance of 20.78' (7.48 Varas);
 L187) S42° 15' 41"E, a distance of 0.31' (0.11 Varas);
 L188) S33° 56' 10"E, a distance of 75.09' (27.03 Varas);
 L189) S11° 46' 49"W, a distance of 44.78' (16.12 Varas);
 L190) S16° 10' 52"E, a distance of 55.38' (19.94 Varas);
 L191) S29° 55' 20"E, a distance of 60.10' (21.64 Varas);
 L192) S32° 59' 24"E, a distance of 49.48' (17.81 Varas);
 L193) S50° 05' 10"E, a distance of 77.61' (27.94 Varas);
 L194) S27° 05' 25"E, a distance of 183.04' (65.89 Varas);
 L195) S30° 55' 18"W, a distance of 117.05' (42.14 Varas);
 L196) S09° 34' 59"W, a distance of 129.59' (46.65 Varas) to the **Point of Termination** having coordinates of (N: 17,203,181.2', E: 1,300,603.7', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S46° 33' 50"E, a distance of 15,664.77 (5,639.32 Varas);

Mean High Water line No. 98 (MHW 98):

Beginning on Mean High Water line No. 98 (MHW 98), having coordinates of (N: 17,204,526.2', E: 1,299,257.7', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90'), used for primary control bears S46° 23' 48"E, a distance of 17,567.01' (6,324.12 Varas);

L197) S61° 13' 07"E, a distance of 101.78' (36.64 Varas);
 L198) S51° 30' 54"E, a distance of 77.42' (27.87 Varas);
 L199) S65° 54' 43"E, a distance of 126.92' (45.69 Varas);
 L200) S56° 24' 04"E, a distance of 128.34' (46.20 Varas);
 L201) S60° 59' 08"E, a distance of 178.69' (64.33 Varas);
 L202) S16° 45' 00"E, a distance of 94.12' (33.88 Varas);
 L203) S08° 22' 53"E, a distance of 39.42' (14.19 Varas);
 L204) S26° 17' 20"E, a distance of 82.57' (29.73 Varas);
 L205) S07° 35' 30"W, a distance of 38.74' (13.95 Varas);
 L206) S09° 40' 20"E, a distance of 132.04' (47.53 Varas);
 L207) S08° 13' 09"E, a distance of 48.72' (17.54 Varas);
 L208) S42° 27' 02"E, a distance of 125.01' (45.00 Varas);
 L209) S21° 57' 33"W, a distance of 95.72' (34.46 Varas);
 L210) S57° 06' 42"W, a distance of 26.52' (9.55 Varas);

L211) N83° 07' 03"W, a distance of 78.44' (28.24 Varas);
L212) N16° 13' 20"W, a distance of 5.18' (1.86 Varas);
L213) N25° 43' 31"E, a distance of 16.05' (5.78 Varas);
L214) N23° 54' 38"W, a distance of 36.40' (13.10 Varas);
L215) N53° 29' 11"E, a distance of 22.45' (8.08 Varas);
L216) N15° 41' 02"E, a distance of 12.75' (4.59 Varas);
L217) N71° 29' 36"E, a distance of 35.16' (12.66 Varas);
L218) S62° 54' 45"E, a distance of 17.26' (6.21 Varas);
L219) S28° 17' 55"E, a distance of 7.01' (2.52 Varas);
L220) N39° 44' 56"E, a distance of 4.15' (1.49 Varas);
L221) N13° 09' 34"W, a distance of 18.20' (6.55 Varas);
L222) N52° 01' 21"E, a distance of 22.38' (8.06 Varas);
L223) N03° 51' 49"E, a distance of 13.49' (4.86 Varas);
L224) S51° 14' 56"W, a distance of 5.29' (1.90 Varas);
L225) S42° 48' 18"W, a distance of 15.10' (5.44 Varas);
L226) N79° 38' 35"W, a distance of 31.15' (11.21 Varas);
L227) N41° 52' 01"W, a distance of 13.09' (4.71 Varas);
L228) N14° 20' 48"W, a distance of 25.60' (9.22 Varas);
L229) S40° 53' 50"W, a distance of 10.08' (3.63 Varas);
L230) N86° 19' 52"W, a distance of 28.75' (10.35 Varas);
L231) N34° 41' 07"W, a distance of 17.00' (6.12 Varas) to the **Point of Termination** having coordinates of (N: 17,203,771.2', E: 1,299,804.7', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S46° 58' 48"E, a distance of 16,651.03 (5,994.37 Varas);

Mean High Water line No. 99 (MHW 99):

Beginning on Mean High Water line No. 99 (MHW 99), having coordinates of (N: 17,203,922.7', E: 1,299,742.1', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S46° 44' 51"E, a distance of 16,800.31' (6,048.11 Varas);

L232) N88° 20' 15"E, a distance of 12.80' (4.61 Varas);
L233) S40° 47' 44"E, a distance of 53.07' (19.11 Varas);
L234) S07° 11' 44"E, a distance of 23.11' (8.32 Varas) to the **Point of Termination** having coordinates of (N: 17,203,860.0', E: 1,299,792.5', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S46° 47' 09"E, a distance of 16,720.64' (6,019.43 Varas);

Mean High Water line No. 20 (MHW 20):

Beginning on Mean High Water line No. 20 (MHW 20), having coordinates of (N: 17,204,727.4', E: 1,299,096.2', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S46° 17' 11"E, a distance of 17,822.68' (6,416.16 Varas);

L235) S68° 30' 39"E, a distance of 38.43' (13.83 Varas);

L236) S52° 08' 40"E, a distance of 47.13' (16.97 Varas);

L237) S27° 55' 24"E, a distance of 80.26' (28.89 Varas);

L238) S07° 13' 08"W, a distance of 1.51' (0.54 Varas);

L239) N73° 23' 16"W, a distance of 24.31' (8.75 Varas) to the **Point of**

Termination having coordinates of (N: 17,204,618.9', E: 1,299,183.3', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S46° 20' 44"E, a distance of 17,684.79' (6,366.52 Varas);

Mean High Water line No. 21 (MHW 21):

Beginning on Mean High Water line No. 21 (MHW 21), having coordinates of (N: 17,205,063.4', E: 1,298,826.4', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S46° 06' 33"E, a distance of 18,250.01' (6,570.00 Varas);

L240) N78° 27' 40"E, a distance of 45.36' (16.33 Varas);

L241) S66° 08' 22"E, a distance of 95.18' (34.26 Varas);

L242) S16° 17' 50"E, a distance of 40.68' (14.64 Varas);

L243) S76° 46' 12"E, a distance of 62.35' (22.45 Varas);

L244) S38° 39' 00"E, a distance of 41.46' (14.93 Varas);

L245) S07° 33' 42"W, a distance of 81.04' (29.17 Varas);

L246) S58° 44' 09"W, a distance of 15.57' (5.61 Varas);

L247) N85° 28' 37"W, a distance of 45.12' (16.24 Varas) to the **Point of**

Termination having coordinates of (N: 17,204,863.4', E: 1,298,987.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S46° 12' 49"E, a distance of 17,995.69' (6,478.45 Varas);

Mean High Water line No. 22 (MHW 22):

Beginning on Mean High Water line No. 22 (MHW 22), having coordinates of (N: 17,205,431.1', E: 1,298,531.3', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S45° 55' 28"E, a distance of 18,717.77' (6,738.40 Varas);

L248) S55° 02' 02"E, a distance of 133.65' (48.11 Varas);

L249) S05° 30' 42"W, a distance of 29.22' (10.52 Varas);

L250) S43° 43' 53"W, a distance of 17.22' (6.20 Varas) to the **Point of**

Termination having coordinates of (N: 17,205,313.0', E: 1,298,626.1', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S45° 58' 58"E, a distance of 18,567.49' (6,684.30 Varas);

Mean High Water line No. 23 (MHW 23):

Beginning on Mean High Water line No. 23 (MHW 23), having coordinates of (N: 17,205,711.1', E: 1,298,306.5', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S45° 47' 23"E, a distance of 19,074.05' (6,866.66 Varas);

L251) N74° 10' 17"E, a distance of 18.73' (6.74 Varas);

L252) S34° 07' 38"E, a distance of 163.93' (59.01 Varas);

L253) S23° 03' 00"E, a distance of 14.86' (5.35 Varas) to the **Point of**

Termination having coordinates of (N: 17,205,566.9', E: 1,298,422.3', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S45° 51' 31"E, a distance of 18,890.46' (6,800.57 Varas);

Mean High Water line No. 24 (MHW 24):

Beginning on Mean High Water line No. 24 (MHW 24), having coordinates of (N: 17,206,618.9', E: 1,297,709.3', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S45° 07' 23"E, a distance of 20,136.50' (7,249.14 Varas);

L254) S68° 19' 32"E, a distance of 44.30' (15.95 Varas);

L255) S44° 37' 09"E, a distance of 140.43' (50.55 Varas);

L256) S17° 20' 18"E, a distance of 107.08' (38.55 Varas);

L257) S49° 23' 15"E, a distance of 128.14' (46.13 Varas);

L258) S65° 26' 24"E, a distance of 196.51' (70.74 Varas);

L259) N79° 59' 43"W, a distance of 50.77' (18.28 Varas);
L260) N86° 40' 41"W, a distance of 25.02' (9.01 Varas);
L261) S21° 25' 04"W, a distance of 37.02' (13.33 Varas);
L262) S26° 37' 06"E, a distance of 16.36' (5.89 Varas);
L263) S64° 01' 19"E, a distance of 116.04' (41.77 Varas);
L264) N44° 26' 22"E, a distance of 66.64' (23.99 Varas);
L265) S50° 01' 54"E, a distance of 256.29' (92.26 Varas);
L266) S55° 02' 49"E, a distance of 94.34' (33.96 Varas);
L267) S42° 17' 20"W, a distance of 15.38' (5.54 Varas);
L268) S86° 12' 07"W, a distance of 19.63' (7.07 Varas);
L269) N76° 54' 04"W, a distance of 246.66' (88.80 Varas);
L270) S63° 48' 46"W, a distance of 67.96' (24.47 Varas);
L271) S01° 56' 56"W, a distance of 66.84' (24.06 Varas);
L272) S23° 18' 38"E, a distance of 85.30' (30.71 Varas) to the **Point of Termination** having coordinates of (N: 17,205,842.7', E: 1,298,200.9', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90'), used for primary control bears S45° 43' 42"E, a distance of 19,241.48' (6,926.93 Varas);

Mean High Water line No. 25 (MHW 25):

Beginning on Mean High Water line No. 25 (MHW 25), having coordinates of (N: 17,206,195.4', E: 1,297,917.8', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90'), used for primary control bears S45° 34' 07"E, a distance of 19,690.48 (7,088.57 Varas);

L273) N30° 39' 00"E, a distance of 38.97' (14.03 Varas);
L274) S72° 21' 56"E, a distance of 31.82' (11.46 Varas);
L275) S10° 43' 32"W, a distance of 55.17' (19.86 Varas);
L276) S09° 47' 17"E, a distance of 25.09' (9.03 Varas) to the **Point of Termination** having coordinates of (N: 17,206,140.3', E: 1,297,962.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90'), used for primary control bears S45° 35' 35"E, a distance of 19,620.39' (7,063.34 Varas);

Mean High Water line No. 26 (MHW 26):

Beginning on Mean High Water line No. 26 (MHW 26), having coordinates of (N: 17,206,365.8, E: 1,297,781.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90'), used for primary control bears S45° 29' 37"E, a distance of 19,907.52' (7,166.71 Varas);

L277) S65° 08' 35"E, a distance of 33.11' (11.92 Varas);
L278) N69° 57' 30"E, a distance of 25.04' (9.01 Varas);
L279) S50° 43' 43"E, a distance of 40.24' (14.49 Varas);
L280) N65° 19' 54"E, a distance of 41.74' (15.03 Varas);
L281) S33° 51' 12"E, a distance of 17.52' (6.31 Varas);
L282) S58° 08' 10"W, a distance of 86.45' (31.12 Varas) to the **Point of Termination** having coordinates of (N: 17,206,292.3', E: 1,297,840.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90'), used for primary control bears S45° 31' 33"E, a distance of 19,813.88' (7,133.00 Varas);

Mean High Water line No. 27 (MHW 27):

Beginning on Mean High Water line No. 27 (MHW 27), having coordinates of (N: 17,206,768.3', E: 1,297,869.4', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90'), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90'), used for primary control bears S44° 30' 01"E, a distance of 20,129.60' (7,246.66' Varas);

L283) S86° 13' 16"E, a distance of 46.99' (16.92 Varas);
L284) S51° 43' 30"E, a distance of 100.95' (36.34 Varas);
L285) N65° 47' 11"E, a distance of 12.56' (4.52 Varas);
L286) N01° 47' 12"W, a distance of 48.04' (17.29 Varas);
L287) N64° 18' 45"E, a distance of 58.34' (21.00 Varas);
L288) S82° 11' 26"E, a distance of 11.85' (4.27 Varas);
L289) S72° 57' 42"E, a distance of 86.48' (31.13 Varas);
L290) S60° 48' 21"E, a distance of 66.45' (23.92 Varas);
L291) S50° 10' 56"E, a distance of 92.50' (33.30 Varas);
L292) N62° 05' 45"E, a distance of 5.68' (2.04 Varas);
L293) N07° 29' 20"W, a distance of 67.69' (24.37 Varas);
L294) N32° 32' 45"E, a distance of 81.06' (29.18 Varas);
L295) N35° 05' 43"W, a distance of 39.05' (14.06 Varas) to the **Point of Termination** having coordinates of (N: 17,206,832.6', E: 1,298,298.9', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90'), used for primary control bears S43° 19' 41"E, a distance of 19,877.56' (7,155.90 Varas);

Mean High Water line No. 28 (MHW 28):

Beginning on Mean High Water line No. 28 (MHW 28), having coordinates of (N: 17,206,831.5', E: 1,298,375.9', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S43° 19' 41"E, a distance of 19,823.80' (7,136.57 Varas);

L296) S25° 00' 40"E, a distance of 57.67' (20.76 Varas);

L297) S65° 28' 52"E, a distance of 79.50' (28.62 Varas);

L298) N30° 49' 02"E, a distance of 47.58' (17.13 Varas);

L299) N37° 24' 45"W, a distance of 54.28' (19.54 Varas) to the **Point of**

Termination having coordinates of (N: 17,206,830.2', E: 1,298,464.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S43° 08' 42"E, a distance of 19,762.52' (7,114.51 Varas);

Mean High Water line No. 29 (MHW 29):

Beginning on Mean High Water line No. 29 (MHW 29), having coordinates of (N: 17,206,828.2', E: 1,298,600.4', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S42° 51' 32"E, a distance of 19,668.05' (7,080.50 Varas);

L300) S52° 07' 42"E, a distance of 11.87' (4.27 Varas);

L301) S54° 32' 58"E, a distance of 268.90' (96.80 Varas);

L302) S41° 55' 56"E, a distance of 93.83' (33.78 Varas);

L303) S11° 07' 25"W, a distance of 53.35' (19.21 Varas);

L304) S36° 51' 28"E, a distance of 53.29' (19.18 Varas);

L305) S79° 56' 10"E, a distance of 130.47' (46.97 Varas);

L306) N27° 55' 05"E, a distance of 121.53' (43.75 Varas) to the **Point of**

Termination having coordinates of (N: 17,206,584.8', E: 1,299,098.5', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S42° 15' 43"E, a distance of 19,151.80' (6,894.65 Varas);

Mean High Water line No. 30 (MHW 30):

Beginning on Mean High Water line No. 30 (MHW 30), having coordinates of (N: 17,206,604.9', E: 1,299,329.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S41° 42' 25"E, a distance of 19,012.60' (6,844.54 Varas);

L307) S75° 01' 19"E, a distance of 60.83' (21.90 Varas);

L308) N47° 56' 41"E, a distance of 13.13' (4.73 Varas) to the **Point of Termination** having coordinates of (N: 17,206,604.9', E: 1,299,329.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S41° 33' 59"E, a distance of 18,961.90' (6,826.28 Varas);

Mean High Water line No. 31 (MHW 31):

Beginning on Mean High Water line No. 31 (MHW 31), having coordinates of (N: 17,206,500.0', E: 1,299,485.5', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S41° 33' 50"E, a distance of 18,830.25 (6,778.89 Varas);

L309) S01° 49' 28"E, a distance of 97.73' (35.18 Varas);
L310) S29° 24' 26"E, a distance of 34.38' (12.38 Varas);
L311) S78° 10' 37"E, a distance of 48.27' (17.38 Varas);
L312) N54° 40' 41"E, a distance of 15.29' (5.50 Varas);
L313) N16° 17' 32"W, a distance of 61.68' (22.20 Varas) to the **Point of Termination** having coordinates of (N: 17,206,598.0', E: 1,299,397.5', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S41° 33' 43"E, a distance of 18,736.85' (6,745.27 Varas);

Mean High Water line No. 32 (MHW 32):

Beginning on Mean High Water line No. 32 (MHW 32), having coordinates of (N: 17,206,175.5', E: 1,299,777.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S41° 33' 18"E, a distance of 18,393.99' (6,621.84 Varas);

L314) N47° 08' 55"W, a distance of 193.41' (69.63 Varas);
L315) S89° 34' 02"W, a distance of 5.30' (1.91 Varas);
L316) S33° 47' 37"E, a distance of 59.07' (21.27 Varas);
L317) S45° 00' 59"E, a distance of 95.91' (34.53 Varas);
L318) S38° 39' 35"E, a distance of 0.09' (0.03 Varas);
L319) S29° 26' 24"E, a distance of 150.71' (54.26 Varas);
L320) S37° 15' 33"E, a distance of 77.25' (27.81 Varas);
L321) S34° 29' 20"E, a distance of 139.01' (50.04 Varas);
L322) S60° 10' 22"W, a distance of 97.49' (35.10 Varas);
L323) N85° 39' 56"W, a distance of 21.44' (7.72 Varas);
L324) S89° 40' 01"W, a distance of 34.41' (12.39 Varas);
L325) N52° 24' 35"W, a distance of 33.82' (12.18 Varas);

L326) N88° 54' 15"W, a distance of 112.94' (40.66 Varas);
 L327) S53° 45' 22"W, a distance of 195.81' (70.49 Varas);
 L328) S06° 52' 10"W, a distance of 66.82' (24.06 Varas);
 L329) S57° 27' 23"W, a distance of 82.93' (29.85 Varas);
 L330) S14° 30' 37"E, a distance of 8.33' (3.00 Varas);
 L331) N70° 03' 08"E, a distance of 193.02' (69.49 Varas);
 L332) N87° 22' 26"E, a distance of 49.11' (17.68 Varas);
 L333) N66° 47' 39"E, a distance of 182.42' (65.67 Varas);
 L334) N78° 54' 29"E, a distance of 238.12' (85.72 Varas);
 L335) S53° 13' 53"E, a distance of 267.86' (96.43 Varas);
 L336) S26° 59' 33"E, a distance of 258.30' (92.99 Varas);
 L337) S33° 08' 36"W, a distance of 99.70' (35.89 Varas);
 L338) S06° 52' 36"E, a distance of 22.10' (7.96 Varas);
 L339) S83° 13' 34"E, a distance of 103.35' (37.21 Varas);
 L340) S35° 34' 15"E, a distance of 54.25' (19.53 Varas);
 L341) S36° 49' 36"E, a distance of 125.32' (45.12 Varas);
 L342) S40° 20' 42"W, a distance of 63.91' (23.01 Varas);
 L343) S06° 38' 15"E, a distance of 42.88' (15.44 Varas);
 L344) S30° 03' 13"W, a distance of 9.55' (3.44 Varas);
 L345) N75° 06' 09"W, a distance of 49.79' (17.92 Varas);
 L346) S66° 21' 57"W, a distance of 557.55' (200.72 Varas);
 L347) S83° 34' 25"W, a distance of 103.64' (37.31 Varas);
 L348) N69° 41' 50"W, a distance of 245.37' (88.33 Varas);
 L349) S48° 14' 32"E, a distance of 35.93' (12.93 Varas);
 L350) S68° 33' 17"E, a distance of 95.62' (34.42 Varas);
 L351) S58° 43' 26"E, a distance of 118.83' (42.78 Varas);
 L352) S89° 21' 54"E, a distance of 118.22' (42.56 Varas);
 L353) S88° 48' 10"E, a distance of 88.55' (31.88 Varas);
 L354) N78° 56' 39"E, a distance of 163.27' (58.78 Varas);
 L355) N46° 41' 35"E, a distance of 15.29' (5.50 Varas);
 L356) N04° 31' 02"E, a distance of 64.17' (23.10 Varas);
 L357) N39° 40' 20"E, a distance of 52.59' (18.93 Varas);
 L358) N86° 25' 39"E, a distance of 118.28' (42.58 Varas);
 L359) S73° 17' 17"E, a distance of 94.10' (33.88 Varas);
 L360) N45° 21' 48"E, a distance of 107.61' (38.74 Varas);
 L361) S69° 50' 40"E, a distance of 137.79' (49.60 Varas);
 L362) S85° 33' 26"E, a distance of 142.66 (51.36 Varas) to the **Point of Termination** having coordinates of (N: 17,204,932.6, E: 1,300,794.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S41° 46' 18"E, a distance of 16,789.48' (6,044.21 Varas);

Mean High Water line No. 33 (MHW 33):

Beginning on Mean High Water line No. 33 (MHW 33), having coordinates of (N: 17,206,023.3', E: 1,299,913.7', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90')", used for primary control bears S41° 33' 03"E, a distance of 18,189.46' (6,548.21 Varas);

L369) S37° 47' 22"E, a distance of 53.87' (19.39 Varas);

L370) S02° 11' 07"E, a distance of 26.54' (9.55 Varas);

L371) S64° 18' 17"E, a distance of 54.79' (19.72 Varas) to the **Point of**

Termination having coordinates of (N: 17,205,930.5', E: 1,299,997.1', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S41° 32' 54"E, a distance of 18,064.67' (6,503.28 Varas);

Mean High Water line No. 34 (MHW 34):

Beginning on Mean High Water line No. 34 (MHW 34), having coordinates of (N: 17,204,455.0', E: 1,299,570.9', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90') used for primary control bears S45° 51' 06"E, a distance of 17,291.88' (6,225.08 Varas);

L372) S78° 12' 04"E, a distance of 111.11' (40.00 Varas);

L373) N81° 23' 50"E, a distance of 65.38' (23.54 Varas);

L374) N58° 35' 51"E, a distance of 54.95' (19.78 Varas);

L375) S62° 20' 55"E, a distance of 60.44' (21.76 Varas);

L376) N40° 39' 03"E, a distance of 76.37' (27.49 Varas);

L377) N57° 06' 01"E, a distance of 22.04' (7.93 Varas);

L378) N42° 19' 30"W, a distance of 71.77' (25.84 Varas);

L379) N63° 06' 00"W, a distance of 134.30' (48.35 Varas);

L380) N05° 21' 45"E, a distance of 35.05' (12.62 Varas);

L381) S84° 48' 11"E, a distance of 66.46' (23.93 Varas);

L382) N64° 57' 11"E, a distance of 91.10' (32.80 Varas);

L383) N88° 48' 09"E, a distance of 121.53' (43.75 Varas);

L384) S46° 45' 41"E, a distance of 55.53' (19.99 Varas);

L385) N87° 12' 45"E, a distance of 200.07' (72.03 Varas);

L386) N58° 23' 30"E, a distance of 86.57' (31.17 Varas);

L387) N89° 57' 32"E, a distance of 69.61' (25.06 Varas);

L388) S44° 06' 59"E, a distance of 218.55' (78.68 Varas);

L389) S89° 29' 56"E, a distance of 110.94' (39.94 Varas);

L390) S62° 14' 06"E, a distance of 114.01' (41.04 Varas);

L391) S41° 09' 42"E, a distance of 39.77' (14.32 Varas);

L392) S29° 50' 42"E, a distance of 10.36' (3.73 Varas);

L393) S01° 08' 46"E, a distance of 118.37' (42.61 Varas);

L394) N73° 19' 04"W, a distance of 34.63' (12.47 Varas);

L395) S81° 57' 14"W, a distance of 44.58' (16.05 Varas);
L396) S66° 06' 17"W, a distance of 0.35' (0.13 Varas);
L397) S49° 44' 54"W, a distance of 41.52' (14.95 Varas);
L398) S88° 24' 44"W, a distance of 47.28' (17.02 Varas);
L399) N23° 11' 29"W, a distance of 60.78' (21.88 Varas);
L400) S89° 54' 48"W, a distance of 79.21' (28.52 Varas);
L401) N84° 15' 57"W, a distance of 45.04' (16.21 Varas);
L402) S05° 16' 30"W, a distance of 32.72' (11.78 Varas);
L403) S63° 44' 39"W, a distance of 182.56' (65.72 Varas);
L404) N74° 45' 25"W, a distance of 60.59' (21.81 Varas);
L405) N82° 11' 38"W, a distance of 122.22' (44.00 Varas);
L406) N87° 20' 23"W, a distance of 161.16' (58.02 Varas);
L407) N79° 43' 45"W, a distance of 260.57' (93.81 Varas);
L408) N57° 50' 08"W, a distance of 189.71' (68.30 Varas) to the **Point of Beginning**;

Mean High Water line No. 35 (MHW 35):

Beginning on Mean High Water line No. 35 (MHW 35), having coordinates of (N: 17,204,476.4', E: 1,299,527.9', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90') used for primary control bears S45° 54' 00"E, a distance of 17,337.63' (6,241.55 Varas);

L409) N65° 43' 08"W, a distance of 44.58' (16.05 Varas);
L410) N58° 27' 43"W, a distance of 15.01' (5.40 Varas);
L411) N43° 26' 29"W, a distance of 10.63' (3.83 Varas);
L412) S74° 36' 18"E, a distance of 9.98' (3.59 Varas);
L413) S66° 15' 56"E, a distance of 46.76' (16.83 Varas);
L414) S33° 45' 18"E, a distance of 14.95' (5.38 Varas) to the **Point of Beginning**;

Mean High Water line No. 36 (MHW 36):

Beginning on Mean High Water line No. 36 (MHW 36), having coordinates of (N: 17,205,008.4', E: 1,299,321.2', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90') used for primary control bears S45° 08' 09"E, a distance of 17,857.90' (6,428.84 Varas);

L415) S55° 37' 29"W, a distance of 13.04' (4.69 Varas);
L416) N88° 39' 24"W, a distance of 36.69' (13.21 Varas);
L417) N79° 21' 48"W, a distance of 45.46' (16.37 Varas);
L418) N85° 57' 13"W, a distance of 18.71' (6.74 Varas);
L419) N18° 27' 33"E, a distance of 3.74' (1.35 Varas);

L420) N86° 05' 06"E, a distance of 63.27' (22.78 Varas);
L421) S76° 35' 11"E, a distance of 47.76' (17.19 Varas) to the **Point of Beginning**;

Mean High Water line No. 37 (MHW 37):

Beginning on Mean High Water line No. 37 (MHW 37), having coordinates of (N: 17,205,610.6', E: 1,298,949.7', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90') used for primary control bears S44° 37' 37"E, a distance of 18,546.75' (6,676.83 Varas);

L422) N10° 05' 17"E, a distance of 1.66' (0.60 Varas);
L423) N59° 01' 05"E, a distance of 72.93' (26.25 Varas);
L424) S88° 54' 48"E, a distance of 34.80' (12.53 Varas);
L425) S74° 13' 38"E, a distance of 70.52' (25.39 Varas);
L426) S29° 54' 13"W, a distance of 2.69' (0.97 Varas);
L427) N84° 03' 01"W, a distance of 58.56' (21.08 Varas);
L428) S76° 10' 35"W, a distance of 68.43' (24.63 Varas);
L429) S80° 19' 05"W, a distance of 40.02' (14.41 Varas) to the **Point of Beginning**;

Mean High Water line No. 38 (MHW 38):

Beginning on Mean High Water line No. 38 (MHW 38), having coordinates of (N: 17,205,706.9, E: 1,298,721.3', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90') used for primary control bears S44° 54' 59"E, a distance of 18,775.97' (6,759.35 Varas);

L430) S66° 30' 18"W, a distance of 6.62' (2.38 Varas);
L431) N68° 40' 47"W, a distance of 26.40' (9.50 Varas);
L432) N71° 50' 19"W, a distance of 24.83' (8.94 Varas);
L433) N70° 30' 55"W, a distance of 22.67' (8.16 Varas);
L434) N74° 36' 29"W, a distance of 11.49' (4.14 Varas);
L435) N41° 53' 42"W, a distance of 101.75' (36.63 Varas);
L436) N02° 23' 53"W, a distance of 80.21' (28.88 Varas);
L437) N21° 28' 41"E, a distance of 53.96' (19.43 Varas);
L438) S73° 00' 11"E, a distance of 85.83' (30.90 Varas);
L439) S15° 13' 53"E, a distance of 213.82' (76.98 Varas) to the **Point of Beginning**;

Mean High Water line No. 39 (MHW 39):

Beginning on Mean High Water line No. 39 (MHW 39), having coordinates of (N: 17,204,611.1', E: 1,298,746.8', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5', Elev: 8.90') used for primary control bears S47° 19' 21"E, a distance of 17,997.85' (6,479.23 Varas);

L440) S41° 41' 08"E, a distance of 66.99' (24.12 Varas);

L441) S55° 11' 58"E, a distance of 281.92' (101.49 Varas);

L442) S28° 58' 31"E, a distance of 119.92' (43.17 Varas);

L443) S14° 41' 57"E, a distance of 155.20' (55.87 Varas);

L444) S31° 30' 15"E, a distance of 94.02' (33.85 Varas);

L445) S71° 42' 27"E, a distance of 40.80' (14.69 Varas);

L446) S88° 46' 53"E, a distance of 45.85' (16.51 Varas);

L447) N63° 58' 40"E, a distance of 15.45' (5.56 Varas) to the **Point of**

Termination having coordinates of (N: 17,204,058.0', E: 1,299,268.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S47° 30' 00"E, a distance of 17,239.87' (6,206.35 Varas);

Mean High Water line No. 40 (MHW 40):

Beginning on Mean High Water line No. 40 (MHW 40), having coordinates of (N: 17,204,039.0', E: 1,299,055.9', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S48° 01' 06"E, a distance of 17,384.03' (6,258.25 Varas);

L448) N83° 51' 26"W, a distance of 4.32' (1.56 Varas);

L449) N51° 56' 03"W, a distance of 24.38' (8.78 Varas);

L450) N19° 58' 43"W, a distance of 7.74' (2.79 Varas);

L451) N85° 08' 08"E, a distance of 5.42' (1.95 Varas);

L452) S51° 15' 53"E, a distance of 19.23' (6.92 Varas);

L453) S27° 05' 20"E, a distance of 12.57' (4.53 Varas) to the **Point of Beginning;**

Mean High Water line No. 41 (MHW 41):

Beginning on Mean High Water line No. 41 (MHW 41), having coordinates of (N: 17,203,954.3', E: 1,298,989.9', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S48° 22' 17"E, a distance of 17,376.80' (6,255.65 Varas);

L454) N62° 57' 49"W, a distance of 22.95' (8.26 Varas);
L455) N45° 42' 04"W, a distance of 79.05' (28.46 Varas);
L456) N64° 15' 01"W, a distance of 52.30' (18.83 Varas);
L457) N37° 10' 05"W, a distance of 85.37' (30.73 Varas);
L458) N27° 10' 49"E, a distance of 5.08' (1.83 Varas);
L459) S69° 31' 58"E, a distance of 81.16' (29.22 Varas);
L460) S53° 37' 52"E, a distance of 101.69' (36.61 Varas);
L461) S27° 04' 10"E, a distance of 26.83' (9.66 Varas);
L462) S20° 58' 18"W, a distance of 19.11' (6.88 Varas);
L463) S18° 17' 54"E, a distance of 32.12' (11.56 Varas) to the **Point of Beginning**;

Mean High Water line No. 42 (MHW 42):

Beginning on Mean High Water line No. 42 (MHW 42), having coordinates of (N: 17,203,696.3', E: 1,299,390.9', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S48° 07' 21"E, a distance of 16,905.89' (6,086.12 Varas);

L464) S70° 24' 57"W, a distance of 49.23' (17.72 Varas);
L465) N62° 58' 13"W, a distance of 96.07' (34.59 Varas);
L466) N33° 56' 18"W, a distance of 60.54' (21.79 Varas);
L467) N09° 37' 28"W, a distance of 86.38' (31.10 Varas);
L468) N51° 06' 40"E, a distance of 11.25' (4.05 Varas);
L469) S48° 37' 03"E, a distance of 115.98' (41.75 Varas);
L470) S42° 15' 08"E, a distance of 125.56' (45.20 Varas) to the **Point of Beginning**;

Mean High Water line No. 43 (MHW 43):

Beginning on Mean High Water line No. 43 (MHW 43), having coordinates of (N: 17,203,628.5', E: 1,298,962.0', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S49° 14' 43"E, a distance of 17,183.27' (6,185.98 Varas);

L471) N76° 41' 08"E, a distance of 101.76' (36.63 Varas);
L472) N88° 58' 54"E, a distance of 113.10' (40.72 Varas);
L473) S65° 47' 58"E, a distance of 141.71' (51.02 Varas);
L474) N48° 38' 39"E, a distance of 15.12' (5.44 Varas);
L475) S82° 31' 15"E, a distance of 32.57' (11.73 Varas);
L476) S32° 09' 46"E, a distance of 26.02' (9.37 Varas);

L477) S86° 25' 29"E, a distance of 76.99' (27.72 Varas) to the **Point of Termination** having coordinates of (N: 17,203,574.8', E: 1,299,437.7', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S48° 19' 28"E, a distance of 16,790.01' (6,044.40 Varas);

Mean High Water line No. 44 (MHW 44):

Beginning on Mean High Water line No. 44 (MHW 44), having coordinates of (N: 17,203,765.7', E: 1,299,150.7', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S48° 29' 09"E, a distance of 17,131.39' (6,167.30 Varas);
L478) N81° 59' 45"W, a distance of 12.50' (4.50 Varas);
L479) N60° 34' 42"W, a distance of 46.25' (16.65 Varas);
L480) N55° 12' 01"W, a distance of 32.63' (11.75 Varas);
L481) N19° 51' 30"W, a distance of 15.03' (5.41 Varas);
L482) N89° 32' 31"E, a distance of 27.52' (9.91 Varas);
L483) S49° 18' 45"E, a distance of 58.40' (21.02 Varas);
L484) S33° 22' 07"E, a distance of 23.19' (8.35 Varas) to the **Point of Beginning**;

Mean High Water line No. 45 (MHW 45):

Beginning on Mean High Water line No. 45 (MHW 45), having coordinates of (N: 17,203,829.5', E: 1,298,958.5', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S48° 44' 57"E, a distance of 17,317.72' (6,234.38 Varas);

L485) S42° 52' 20"W, a distance of 2.12' (0.76 Varas);
L486) N58° 51' 46"W, a distance of 25.67' (9.24 Varas);
L487) N08° 53' 09"W, a distance of 7.42' (2.67 Varas);
L488) S73° 24' 18"E, a distance of 9.91' (3.57 Varas);
L489) S42° 52' 27"E, a distance of 22.13' (7.97 Varas) to the **Point of Beginning**;

Mean High Water line No. 46 (MHW 46):

Beginning on Mean High Water line No. 46 (MHW 46), having coordinates of (N: 17,203,711.5', E: 1,298,291.0', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S50° 27' 24"E, a distance of 17,749.67' (6,389.88 Varas);

L490) N07° 59' 56"E, a distance of 95.21' (34.28 Varas);
 L491) S85° 51' 14"E, a distance of 97.09' (34.95 Varas);
 L492) N77° 55' 35"E, a distance of 208.69' (75.13 Varas);
 L493) S83° 44' 56"E, a distance of 238.50' (85.86 Varas);
 L494) S18° 58' 52"E, a distance of 48.38' (17.42 Varas);
 L495) S22° 47' 03"W, a distance of 100.51' (36.18 Varas);
 L496) S89° 01' 59"W, a distance of 139.30' (50.15 Varas);
 L497) N61° 22' 40"W, a distance of 40.53' (14.59 Varas);
 L498) S42° 06' 34"W, a distance of 33.04' (11.89 Varas) to the **Point of Termination** having coordinates of (N: 17,203,670.6', E: 1,298,622.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S49° 52' 08"E, a distance of 17,469.26' (6,288.93 Varas);

Mean High Water line No. 47 (MHW 47):

Beginning on Mean High Water line No. 47 (MHW 47), having coordinates of (N: 17,204,234.8', E: 1,296,625.2', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S52° 23' 59"E, a distance of 19,378.55' (6,976.28 Varas);

L499) N44° 25' 44"W, a distance of 267.81' (96.41 Varas);
 L500) N73° 30' 01"W, a distance of 44.95' (16.18 Varas);
 L501) N49° 41' 26"W, a distance of 112.21' (40.40 Varas);
 L502) N88° 32' 54"E, a distance of 128.99' (46.44 Varas);
 L503) N71° 52' 16"E, a distance of 134.74' (48.51 Varas);
 L504) S43° 40' 50"E, a distance of 73.42' (26.43 Varas);
 L505) S13° 15' 16"W, a distance of 45.32' (16.32 Varas);
 L506) S63° 43' 40"W, a distance of 59.22' (21.32 Varas);
 L507) S00° 49' 34"E, a distance of 30.72' (11.06 Varas);
 L508) S42° 59' 31"E, a distance of 200.50' (72.18 Varas);
 L509) S88° 49' 56"E, a distance of 156.19' (56.23 Varas);
 L510) S74° 11' 43"E, a distance of 53.72' (19.34 Varas);
 L511) S23° 24' 28"W, a distance of 37.69' (13.57 Varas);
 L512) S49° 15' 10"E, a distance of 106.19' (38.23 Varas);
 L513) N84° 45' 56"E, a distance of 137.56' (49.52 Varas);
 L514) S40° 58' 29"E, a distance of 45.18' (16.26 Varas);
 L515) S73° 00' 50"E, a distance of 67.47' (24.29 Varas);
 L516) N00° 48' 16"W, a distance of 19.23' (6.92 Varas);
 L517) N54° 51' 56"W, a distance of 45.18' (16.26 Varas);
 L518) N01° 26' 44"E, a distance of 46.45' (16.72 Varas);
 L519) N54° 57' 32"E, a distance of 95.86' (34.51 Varas);
 L520) S77° 05' 41"E, a distance of 200.82' (72.30 Varas);
 L521) S86° 48' 07"E, a distance of 146.81' (52.85 Varas);

L522) S37° 43' 10"E, a distance of 297.40' (107.06 Varas);
L523) S55° 57' 19"E, a distance of 147.49' (53.10 Varas);
L524) S76° 51' 25"E, a distance of 102.78' (37.00 Varas);
L525) S29° 43' 36"E, a distance of 118.69' (42.73 Varas) to the **Point of Termination** having coordinates of (N: 17,203,742.2', E: 1,298,042.7', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S50° 53' 07"E, a distance of 17,961.17' (6,466.02 Varas);

Mean High Water line No. 48 (MHW 48):

Beginning on Mean High Water line No. 48 (MHW 48), having coordinates of (N: 17,204,401.8', E: 1,296,875.7', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S51° 33' 08"E, a distance of 19,284.04' (6,942.25 Varas);

L526) N88° 43' 52"W, a distance of 18.06' (6.50 Varas);
L527) N46° 23' 01"W, a distance of 33.47' (12.05 Varas);
L528) N22° 57' 04"E, a distance of 3.19' (1.15 Varas);
L529) S65° 16' 56"E, a distance of 38.00' (13.68 Varas);
L530) S44° 32' 41"E, a distance of 11.21' (4.04 Varas);
L531) S27° 39' 04"W, a distance of 2.88' (1.04 Varas) to the **Point of Beginning**;

Mean High Water line No. 49 (MHW 49):

Beginning on Mean High Water line No. 49 (MHW 49), having coordinates of (N: 17,204,412.9', E: 1,296,117.9', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S52° 53' 05"E, a distance of 19,889.87' (7,160.35 Varas);

L532) N40° 01' 43"E, a distance of 92.08' (33.15 Varas);
L533) N88° 28' 37"E, a distance of 66.97' (24.11 Varas);
L534) S57° 09' 13"E, a distance of 131.31' (47.27 Varas);
L535) S75° 16' 35"E, a distance of 76.29' (27.46 Varas);
L536) S41° 31' 31"E, a distance of 175.69' (63.25 Varas) to the **Point of Termination** having coordinates of (N: 17,204,263.0', E: 1,296,544.6', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S52° 28' 42"E, a distance of 19,459.64' (7,005.47 Varas);

Mean High Water line No. 50 (MHW 50):

Beginning on Mean High Water line No. 50 (MHW 50), having coordinates of (N: 17,204,752.1', E: 1,295,715.5', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S52° 48' 25"E, a distance of 20,415.42' (7,349.55 Varas);

L537) S60° 12' 09"E, a distance of 104.18' (37.50 Varas);

L538) S79° 04' 24"E, a distance of 130.88' (47.12 Varas);

L539) S29° 30' 50"W, a distance of 140.51' (50.58 Varas);

L540) S09° 28' 16"W, a distance of 29.83' (10.74 Varas);

L541) S32° 13' 31"E, a distance of 31.07' (11.19 Varas) to the **Point of**

Termination having coordinates of (N: 17,204,497.5', E: 1,295,876.9', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S53° 06' 23"E, a distance of 20,133.28' (7,247.98 Varas);

Mean High Water line No. 51 (MHW 51):

Beginning on Mean High Water line No. 51 (MHW 51), having coordinates of (N: 17,204,885.4', E: 1,295,740.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S52° 28' 06"E, a distance of 20,476.86' (7,371.67 Varas);

L542) S71° 22' 26"E, a distance of 44.45' (16.00 Varas);

L543) N80° 08' 14"E, a distance of 55.75' (20.07 Varas);

L544) S55° 29' 32"E, a distance of 45.79' (16.48 Varas);

L545) S21° 40' 37"E, a distance of 58.51' (21.06 Varas);

L546) S67° 15' 42"W, a distance of 54.56' (19.64 Varas);

L547) S85° 54' 29"W, a distance of 64.46' (23.21 Varas);

L548) N49° 53' 10"W, a distance of 70.32' (25.32 Varas) to the **Point of**

Termination having coordinates of (N: 17,204,820.1', E: 1,295,728.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S52° 38' 02"E, a distance of 20,446.66' (7,360.80 Varas);

Mean High Water line No. 52 (MHW 52):

Beginning on Mean High Water line No. 52 (MHW 52), having coordinates of (N: 17,204,992.7', E: 1,295,759.7', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S52° 11' 50"E, a distance of 20,526.81' (7,389.65 Varas);

L549) S31° 00' 52"E, a distance of 87.73' (31.58 Varas);

L550) N85° 21' 45"W, a distance of 38.17' (13.74 Varas);

L551) N43° 23' 31"W, a distance of 24.88' (8.96 Varas) to the **Point of**

Termination having coordinates of (N: 17,204,938.7', E: 1,295,749.8', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S52° 20' 01"E, a distance of 20,501.59' (7,380.57 Varas);

Mean High Water line No. 53 (MHW 53):

Beginning on Mean High Water line No. 53 (MHW 53), having coordinates of (N: 17,205,075.0', E: 1,295,774.9', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S51° 59' 25"E, a distance of 20,565.44' (7,403.56 Varas);

L552) N65° 51' 51"E, a distance of 38.69' (13.93 Varas);

L553) S74° 11' 03"E, a distance of 189.55' (68.24 Varas);

L554) S78° 32' 08"E, a distance of 143.29' (51.58 Varas);

L555) N12° 03' 08"E, a distance of 47.69' (17.17 Varas);

L556) N35° 20' 08"E, a distance of 38.85' (13.99 Varas) to the **Point of**

Termination having coordinates of (N: 17,205,089.0', E: 1,296,165.4', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S51° 16' 45"E, a distance of 20,267.93' (7,296.45 Varas);

Mean High Water line No. 54 (MHW 54):

Beginning on Mean High Water line No. 54 (MHW 54), having coordinates of (N: 17,205,058.4', E: 1,296,331.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S51° 03' 28"E, a distance of 20,119.70' (7,243.09 Varas);

L557) S53° 59' 25"E, a distance of 28.14' (10.13 Varas);

L558) S73° 58' 41"E, a distance of 49.42' (17.79 Varas);

L559) S89° 38' 55"E, a distance of 16.31' (5.87 Varas);

L560) N30° 47' 38"W, a distance of 18.65' (6.71 Varas) to the **Point of Termination** having coordinates of (N: 17,205,044.1', E: 1,296,408.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S50° 56' 44"E, a distance of 20,050.88' (7,218.32 Varas);

Mean High Water line No. 55 (MHW 55):

Beginning on Mean High Water line No. 55 (MHW 55), having coordinates of (N: 17,204,969.5', E: 1,296,811.1', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S50° 22' 31"E, a distance of 19,691.87' (7,089.07 Varas);

L561) S36° 50' 04"E, a distance of 26.32' (9.48 Varas);

L562) N65° 24' 20"E, a distance of 31.04' (11.17 Varas) to the **Point of Termination** having coordinates of (N: 17,204,961.4', E: 1,296,855.1', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S50° 18' 43"E, a distance of 19,652.79' (7,075.00 Varas);

Mean High Water line No. 56 (MHW 56):

Beginning on Mean High Water line No. 56 (MHW 56), having coordinates of (N: 17,204,885.5', E: 1,297,264.7', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S49° 42' 29"E, a distance of 19,290.17' (6,944.46 Varas);

L563) S44° 10' 09"E, a distance of 153.67' (55.32 Varas);

L564) S66° 12' 57"E, a distance of 80.24' (28.89 Varas);

L565) N86° 22' 09"E, a distance of 43.27' (15.58 Varas);

L566) N39° 54' 31"E, a distance of 31.60' (11.38 Varas);

L567) S68° 55' 15"E, a distance of 19.74' (7.11 Varas);

L568) S01° 57' 44"W, a distance of 22.31' (8.03 Varas);

L569) S70° 33' 01"E, a distance of 34.48' (12.41 Varas);

L570) N85° 41' 24"E, a distance of 68.53' (24.67 Varas);

L571) S72° 40' 19"E, a distance of 152.70' (54.97 Varas);

L572) N88° 12' 07"E, a distance of 84.78' (30.52 Varas);

L573) N62° 36' 50"E, a distance of 135.15' (48.65 Varas) to the **Point of**

Termination having coordinates of (N: 17,204,753.5', E: 1,297,977.7', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S48° 36' 06"E, a distance of 18,664.48' (6,719.21 Varas);

Mean High Water line No. 57 (MHW 57):

Beginning on Mean High Water line No. 57 (MHW 57), having coordinates of (N: 17,204,842.4', E: 1,297,497.8', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S49° 21' 16"E, a distance of 19,084.83' (6,870.54 Varas);

L574) S59° 49' 53"E, a distance of 161.60' (58.18 Varas);

L575) S80° 23' 03"E, a distance of 156.85' (56.47 Varas);

L576) N71° 02' 24"E, a distance of 105.84' (38.10 Varas) to the **Point of Termination** having coordinates of (N: 17,204,769.3', E: 1,297,892.3', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S48° 44' 18"E, a distance of 18,739.06' (6,746.06 Varas);

Mean High Water line No. 58 (MHW 58):

Beginning on Mean High Water line No. 58 (MHW 58), having coordinates of (N: 17,206,984.1', E: 1,296,788.0', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S46° 11' 18"E, a distance of 21,050.63' (7,578.23 Varas);

L577) S70° 24' 49"W, a distance of 4.98' (1.79 Varas);

L578) N32° 44' 53"W, a distance of 71.41' (25.71 Varas);

L579) N33° 36' 29"W, a distance of 69.83' (25.14 Varas);

L580) N26° 07' 55"W, a distance of 67.67' (24.36 Varas);

L581) N13° 13' 44"E, a distance of 13.15' (4.73 Varas);

L582) N44° 33' 57"E, a distance of 26.78' (9.64 Varas);

L583) N74° 55' 13"E, a distance of 8.73' (3.14 Varas) to the **Point of Termination** having coordinates of (N: 17,207,195.5', E: 1,296,706.4', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S45° 55' 45"E, a distance of 21,256.08' (7,652.19 Varas);

Mean High Water line No. 59 (MHW 59):

Beginning on Mean High Water line No. 59 (MHW 59), having coordinates of (N: 17,206,818.6', E: 1,296,721.7', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S46° 38' 23"E, a distance of 20,984.61' (7,554.46 Varas);

- L584) N77° 16' 06"W, a distance of 30.99' (11.16 Varas);
- L585) N43° 58' 29"W, a distance of 46.36' (16.69 Varas);
- L586) N65° 58' 25"E, a distance of 11.47' (4.13 Varas);
- L587) S51° 37' 33"E, a distance of 63.53' (22.87 Varas);
- L588) S21° 28' 54"E, a distance of 5.82' (2.10 Varas) to the **Point of Beginning**;

Mean High Water line No. 60 (MHW 60):

Beginning on Mean High Water line No. 60 (MHW 60), having coordinates of (N: 17,206,532.5', E: 1,296,342.4', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S47° 54' 49"E, a distance of 21,069.12' (7,584.88 Varas);

- L589) N46° 58' 02"W, a distance of 173.59' (62.49 Varas);
- L590) N29° 35' 51"W, a distance of 67.50' (24.30 Varas);
- L591) N76° 05' 24"W, a distance of 85.57' (30.81 Varas);
- L592) N30° 49' 02"W, a distance of 72.44' (26.08 Varas);
- L593) N04° 49' 55"W, a distance of 76.90' (27.68 Varas);
- L594) N49° 56' 42"E, a distance of 51.31' (18.47 Varas);
- L595) S77° 04' 17"E, a distance of 175.16' (63.06 Varas);
- L596) S61° 07' 39"E, a distance of 138.18' (49.74 Varas);
- L597) S81° 48' 42"E, a distance of 90.50' (32.58 Varas);
- L598) N89° 51' 42"E, a distance of 74.56' (26.84 Varas);
- L599) S78° 58' 01"E, a distance of 53.87' (19.39 Varas);
- L600) S88° 14' 02"E, a distance of 81.11' (29.20 Varas);
- L601) S59° 24' 55"E, a distance of 73.41' (26.43 Varas);
- L602) N59° 31' 08"E, a distance of 5.64' (2.03 Varas);
- L603) N05° 33' 01"E, a distance of 32.74' (11.79 Varas);
- L604) N09° 45' 56"E, a distance of 52.94' (19.06 Varas);
- L605) N61° 37' 46"E, a distance of 51.46' (18.53 Varas);
- L606) N00° 19' 31"W, a distance of 10.57' (3.81 Varas);
- L607) N33° 32' 35"W, a distance of 32.20' (11.59 Varas);
- L608) N11° 48' 53"E, a distance of 19.92' (7.17 Varas);
- L609) N71° 16' 50"E, a distance of 21.59' (7.77 Varas);
- L610) S43° 03' 31"E, a distance of 0.20' (0.07 Varas) to the **Point of Termination** having coordinates of (N: 17,206,909.2', E: 1,296,816.8', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S46° 16' 53"E, a distance of 20,977.88' (7,552.04 Varas);

Mean High Water line No. 61 (MHW 61):

Beginning on Mean High Water line No. 61 (MHW 61), having coordinates of (N: 17,206,476.8', E: 1,296,207.6', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S48° 16' 14"E, a distance of 21,132.20 (7,607.59 Varas);

L611) N67° 39' 57"W, a distance of 6.98' (2.51 Varas);
L612) N84° 01' 36"W, a distance of 53.35' (19.21 Varas);
L613) N50° 54' 05"W, a distance of 43.73' (15.74 Varas);
L614) N04° 18' 09"W, a distance of 10.61' (3.82 Varas);
L615) S68° 48' 35"E, a distance of 21.41' (7.71 Varas);
L616) N76° 42' 55"E, a distance of 61.75' (22.23 Varas);
L617) S39° 08' 40"E, a distance of 33.60' (12.10 Varas);
L618) S06° 23' 21"W, a distance of 15.55' (5.60 Varas);
L619) S53° 29' 38"E, a distance of 9.83' (3.54 Varas) to the **Point of Termination** having coordinates of (N: 17,206,482.3', E: 1,296,220.8', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S48° 14' 08"E, a distance of 21,125.98 (7,605.35 Varas);

Mean High Water line No. 62 (MHW 62):

Beginning on Mean High Water line No. 62 (MHW 62), having coordinates of (N: 17,206,307.4', E: 1,295,800.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S49° 20' 21"E, a distance of 21,327.39 (7,677.86 Varas);

L620) N27° 21' 11"W, a distance of 19.84' (7.14 Varas);
L621) S88° 26' 50"W, a distance of 15.13' (5.45 Varas);
L622) S52° 53' 52"W, a distance of 34.31' (12.35 Varas);
L623) S89° 06' 32"W, a distance of 44.37' (15.97 Varas);
L624) N74° 13' 08"W, a distance of 12.83' (4.62 Varas);
L625) S88° 55' 03"W, a distance of 38.11' (13.72 Varas);
L626) S65° 03' 02"W, a distance of 7.33' (2.64 Varas) to the **Point of Termination** having coordinates of (N: 17,206,302.9', E: 1,295,646.9', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S49° 36' 53"E, a distance of 21,440.83 (7,718.70 Varas);

Mean High Water line No. 63 (MHW 63):

Beginning on Mean High Water line No. 63 (MHW 63), having coordinates of (N: 17,207,199.0', E: 1,293,612.8', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S51° 09' 33"E, a distance of 23,579.36' (8,488.57 Varas);

- L627) N00° 00' 53"E, a distance of 29.10' (10.48 Varas);
- L628) N61° 27' 15"W, a distance of 65.19' (23.47 Varas);
- L629) N47° 22' 48"W, a distance of 30.16' (10.86 Varas);
- L630) N04° 02' 00"W, a distance of 19.82' (7.14 Varas);
- L631) N64° 01' 10"E, a distance of 26.34' (9.48 Varas);
- L632) S85° 37' 01"E, a distance of 44.88' (16.16 Varas);
- L633) S59° 34' 35"E, a distance of 24.90' (8.96 Varas);
- L634) N68° 03' 48"E, a distance of 48.58' (17.49 Varas);
- L635) N88° 23' 27"E, a distance of 68.02' (24.49 Varas);
- L636) S66° 01' 28"E, a distance of 54.31' (19.55 Varas);
- L637) N76° 35' 55"E, a distance of 23.56' (8.48 Varas);
- L638) N02° 40' 51"W, a distance of 49.34' (17.76 Varas);
- L639) N39° 09' 56"W, a distance of 66.09' (23.79 Varas);
- L640) N47° 57' 18"E, a distance of 80.89' (29.12 Varas);
- L641) N72° 08' 52"E, a distance of 108.00' (38.88 Varas);
- L642) N85° 18' 52"E, a distance of 215.70' (77.65 Varas);
- L643) S82° 16' 09"E, a distance of 324.27' (116.74 Varas);
- L644) N60° 37' 46"E, a distance of 52.93' (19.05 Varas);
- L645) N26° 15' 26"E, a distance of 35.29' (12.70 Varas);
- L646) N30° 42' 10"W, a distance of 53.82' (19.38 Varas);
- L647) N60° 17' 29"E, a distance of 24.33' (8.76 Varas);
- L648) S78° 43' 02"E, a distance of 75.18' (27.06 Varas);
- L649) S43° 31' 45"E, a distance of 48.12' (17.32 Varas);
- L650) N86° 54' 08"E, a distance of 139.16' (50.10 Varas);
- L651) S58° 12' 13"E, a distance of 36.17' (13.02 Varas);
- L652) S30° 17' 36"E, a distance of 179.28' (64.54 Varas);
- L653) S02° 39' 57"E, a distance of 45.28' (16.30 Varas);
- L654) S32° 18' 55"W, a distance of 72.92' (26.25 Varas);
- L655) S53° 23' 49"W, a distance of 63.83' (22.98 Varas);
- L656) S86° 15' 40"W, a distance of 103.97' (37.43 Varas);
- L657) S52° 58' 21"W, a distance of 21.89' (7.88 Varas);
- L658) S01° 55' 08"W, a distance of 164.75' (59.31 Varas);
- L659) S11° 52' 28"W, a distance of 83.34' (30.00 Varas);
- L660) S83° 32' 56"E, a distance of 95.52' (34.39 Varas);
- L661) S56° 01' 49"E, a distance of 120.34' (43.32 Varas);
- L662) S30° 09' 38"E, a distance of 124.75' (44.91 Varas);
- L663) S11° 08' 22"E, a distance of 106.76' (38.43 Varas);
- L664) S25° 16' 23"W, a distance of 21.90' (7.88 Varas);
- L665) N81° 20' 14"W, a distance of 29.88' (10.76 Varas);

L666) N65° 11' 05"W, a distance of 130.24' (46.89 Varas);
L667) N54° 11' 34"W, a distance of 51.52' (18.55 Varas);
L668) S28° 46' 16"E, a distance of 36.18' (13.02 Varas);
L669) S57° 38' 22"E, a distance of 84.11' (30.28 Varas);
L670) S48° 17' 31"E, a distance of 41.83' (15.06 Varas);
L671) S08° 11' 57"E, a distance of 17.04' (6.13 Varas) to the **Point of Termination** having coordinates of (N: 17,206,606.6', E: 1,294,854.2', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S50° 20' 31"E, a distance of 22,243.15' (8,007.53 Varas);

Mean High Water line No. 64 (MHW 64):

Beginning on Mean High Water line No. 64 (MHW 64), having coordinates of (N: 17,207,238.0', E: 1,293,382.3', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S51° 26' 03"E, a distance of 23,783.64' (8,562.11 Varas);

L672) N85° 12' 32"E, a distance of 88.15' (31.73 Varas);
L673) S67° 17' 36"E, a distance of 41.68' (15.00 Varas);
L674) S27° 47' 42"E, a distance of 18.46' (6.65 Varas);
L675) S64° 21' 10"E, a distance of 67.73' (24.38 Varas) to the **Point of Termination** having coordinates of (N: 17,207,183.6', E: 1,293,578.2', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S51° 14' 27"E, a distance of 23,596.66' (8,494.80 Varas);

Mean High Water line No. 65 (MHW 65):

Beginning on Mean High Water line No. 65 (MHW 65), having coordinates of (N: 17,207,814.3', E: 1,292,747.7', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S51° 18' 22"E, a distance of 24,639.13 (8,870.22 Varas);

L676) S61° 10' 44"E, a distance of 289.72' (104.30 Varas);
L677) S23° 16' 39"E, a distance of 123.68' (44.52 Varas);
L678) S34° 42' 59"W, a distance of 36.61' (13.18 Varas);
L679) S16° 53' 00"W, a distance of 50.41' (18.15 Varas) to the **Point of Termination** having coordinates of (N: 17,207,482.7', E: 1,293,015.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S51° 31' 23"E, a distance of 24,223.44' (8,720.44 Varas);

Mean High Water line No. 66 (MHW 66):

Beginning on Mean High Water line No. 66 (MHW 66), having coordinates of (N: 17,207,885.8', E: 1,292,880.2', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S50° 58' 59"E, a distance of 24,580.87' (8,849.11 Varas);

L680) S44° 21' 26"W, a distance of 4.60' (1.66 Varas);
L681) N87° 10' 03"W, a distance of 37.44' (13.48 Varas);
L682) N59° 57' 26"W, a distance of 61.86' (22.27 Varas);
L683) N18° 48' 34"W, a distance of 17.95' (6.46 Varas);
L684) N46° 35' 37"E, a distance of 7.04' (2.53 Varas);
L685) N84° 50' 10"E, a distance of 20.11' (7.24 Varas);
L686) S70° 14' 23"E, a distance of 35.11' (12.64 Varas);
L687) S53° 56' 23"E, a distance of 41.23' (14.84 Varas);
L688) S26° 19' 30"E, a distance of 19.00' (6.84 Varas) to the **Point of Beginning**;

Mean High Water line No. 67 (MHW 67):

Beginning on Mean High Water line No. 67 (MHW 67), having coordinates of (N: 17,208,818.6', E: 1,293,757.5', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S47° 59' 51"E, a distance of 24,519.69' (8,827.09 Varas);

L689) S18° 45' 19"E, a distance of 162.50' (58.50 Varas);
L690) S31° 54' 07"W, a distance of 130.21' (46.88 Varas);
L691) S88° 31' 32"W, a distance of 54.02' (19.45 Varas);
L692) S39° 01' 21"W, a distance of 31.57' (11.37 Varas);
L693) S07° 27' 32"W, a distance of 65.95' (23.74 Varas);
L694) S67° 07' 27"W, a distance of 116.97' (42.11 Varas);
L695) N68° 38' 36"W, a distance of 81.36' (29.29 Varas);
L696) S85° 37' 39"W, a distance of 92.73' (33.38 Varas);
L697) S45° 10' 24"W, a distance of 71.48' (25.73 Varas);
L698) S11° 36' 32"W, a distance of 73.88' (26.60 Varas);
L699) S33° 30' 16"E, a distance of 30.99' (11.16 Varas);
L700) S01° 02' 42"E, a distance of 47.32' (17.04 Varas);
L701) S49° 42' 42"E, a distance of 49.46' (17.81 Varas);
L702) S13° 34' 14"E, a distance of 19.34' (6.96 Varas);
L703) S27° 07' 13"W, a distance of 43.19' (15.55 Varas);
L704) S60° 43' 36"W, a distance of 23.66' (8.52 Varas);
L705) S34° 51' 20"W, a distance of 42.69' (15.37 Varas);
L706) S80° 27' 08"W, a distance of 21.70' (7.81 Varas);
L707) N54° 44' 00"W, a distance of 43.39' (15.62 Varas);
L708) N25° 18' 32"W, a distance of 46.96' (16.91 Varas);

L709) N13° 51' 38"W, a distance of 80.56' (29.00 Varas);
 L710) N70° 01' 59"W, a distance of 57.72' (20.78 Varas);
 L711) S46° 44' 58"E, a distance of 46.37' (16.69 Varas);
 L712) S11° 53' 37"E, a distance of 44.18' (15.90 Varas);
 L713) S55° 25' 48"W, a distance of 42.26' (15.21 Varas);
 L714) S67° 01' 18"W, a distance of 210.31' (75.71 Varas);
 L715) N54° 11' 26"W, a distance of 108.77' (39.16 Varas);
 L716) N27° 54' 15"W, a distance of 88.91' (32.01 Varas);
 L717) N75° 45' 37"W, a distance of 33.05' (11.90 Varas);
 L718) S81° 15' 54"W, a distance of 65.39' (23.54 Varas);
 L719) S56° 30' 13"W, a distance of 158.42' (57.03 Varas);
 L720) S17° 30' 22"W, a distance of 21.42' (7.71 Varas);
 L721) S39° 18' 33"E, a distance of 89.58' (32.25 Varas);
 L722) S05° 08' 55"W, a distance of 81.38' (29.30 Varas);
 L723) S45° 50' 12"E, a distance of 44.84' (16.14 Varas);
 L724) S09° 39' 03"E, a distance of 41.81' (15.05 Varas) to the **Point of Termination** having coordinates of (N: 17,207,898.7', E: 1,292,700.1', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S51° 13' 21"E, a distance of 24,729.13' (8,902.49 Varas);

Mean High Water line No. 68 (MHW 68):

Beginning on Mean High Water line No. 68 (MHW 68), having coordinates of (N: 17,208,941.3', E: 1,293,919.4', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S47° 31' 50"E, a distance of 24,482.35' (8,813.65 Varas);

L725) S50° 01' 41"E, a distance of 28.99' (10.44 Varas);
 L726) N73° 33' 43"E, a distance of 40.71' (14.66 Varas);
 L727) S76° 45' 32"E, a distance of 81.82' (29.46 Varas);
 L728) S48° 39' 37"E, a distance of 21.50' (7.74 Varas);
 L729) S00° 35' 26"E, a distance of 19.21' (6.92 Varas);
 L730) S71° 02' 47"E, a distance of 30.11' (10.84 Varas);
 L731) N42° 51' 21"E, a distance of 55.06' (19.82 Varas);
 L732) N75° 28' 34"E, a distance of 24.96' (8.99 Varas);
 L733) S81° 53' 16"E, a distance of 128.62' (46.30 Varas);
 L734) N72° 08' 24"E, a distance of 66.35' (23.89 Varas);
 L735) S80° 22' 41"E, a distance of 130.42' (46.95 Varas);
 L736) N50° 23' 56"E, a distance of 35.86' (12.91 Varas);
 L737) S89° 51' 15"E, a distance of 110.00' (39.60 Varas);
 L738) S78° 24' 53"E, a distance of 61.59' (22.17 Varas);
 L739) S22° 40' 54"E, a distance of 28.83' (10.38 Varas);

- L740) S02° 16' 31"E, a distance of 213.49' (76.86 Varas);
- L741) S24° 17' 54"E, a distance of 104.56' (37.64 Varas);
- L742) S03° 29' 43"W, a distance of 43.40' (15.62 Varas);
- L743) S17° 30' 43"W, a distance of 226.53' (81.55 Varas);
- L744) S33° 33' 18"W, a distance of 297.76' (107.19 Varas);
- L745) S11° 55' 42"E, a distance of 96.69' (34.81 Varas);
- L746) S57° 34' 33"E, a distance of 237.40' (85.46 Varas);
- L747) S64° 35' 50"E, a distance of 88.24' (31.77 Varas);
- L748) S82° 30' 39"E, a distance of 63.35' (22.81 Varas);
- L749) S39° 07' 44"E, a distance of 26.61' (9.58 Varas);
- L750) S71° 13' 53"E, a distance of 151.89' (54.68 Varas);
- L751) N67° 38' 38"E, a distance of 154.17' (55.50 Varas);
- L752) N75° 41' 14"E, a distance of 128.55' (46.28 Varas);
- L753) N31° 56' 38"E, a distance of 22.96' (8.27 Varas);
- L754) N30° 34' 22"W, a distance of 24.00' (8.64 Varas);
- L755) N63° 13' 55"W, a distance of 85.66' (30.84 Varas);
- L756) S70° 20' 17"W, a distance of 49.57' (17.85 Varas);
- L757) N58° 09' 06"W, a distance of 12.75' (4.59 Varas);
- L758) N42° 03' 11"E, a distance of 18.77' (6.76 Varas);
- L759) N19° 29' 49"W, a distance of 23.53' (8.47 Varas);
- L760) N42° 16' 26"W, a distance of 43.25' (15.57 Varas);
- L761) N68° 38' 50"W, a distance of 42.68' (15.36 Varas);
- L762) S79° 30' 38"W, a distance of 25.43' (9.15 Varas);
- L763) N55° 48' 21"W, a distance of 151.57' (54.57 Varas);
- L764) S52° 55' 01"W, a distance of 70.24' (25.29 Varas);
- L765) S87° 51' 37"W, a distance of 70.71' (25.46 Varas);
- L766) N24° 00' 42"W, a distance of 68.66' (24.72 Varas);
- L767) N03° 27' 22"W, a distance of 67.23' (24.20 Varas);
- L768) N21° 19' 35"E, a distance of 123.96' (44.63 Varas);
- L769) N14° 47' 26"E, a distance of 140.47' (50.57 Varas);
- L770) N04° 44' 03"E, a distance of 222.45' (80.08 Varas);
- L771) N78° 14' 54"E, a distance of 51.70' (18.61 Varas);
- L772) N25° 53' 06"E, a distance of 54.78' (19.72 Varas);
- L773) S81° 06' 19"E, a distance of 11.84' (4.26 Varas);
- L774) S12° 13' 12"E, a distance of 74.39' (26.78 Varas);
- L775) S43° 10' 53"E, a distance of 88.99' (32.04 Varas);
- L776) S69° 51' 56"E, a distance of 56.42' (20.31 Varas);
- L777) N05° 42' 22"E, a distance of 12.53' (4.51 Varas);
- L778) N37° 55' 25"W, a distance of 230.73' (83.06 Varas);
- L779) N12° 24' 22"W, a distance of 33.57' (12.09 Varas);
- L780) N23° 48' 45"E, a distance of 98.82' (35.58 Varas);
- L781) N57° 28' 20"E, a distance of 32.02' (11.53 Varas);
- L782) N09° 39' 02"W, a distance of 28.14' (10.13 Varas);
- L783) N32° 44' 05"W, a distance of 42.45' (15.28 Varas);
- L784) N10° 46' 05"E, a distance of 41.89' (15.08 Varas);
- L785) N43° 47' 06"E, a distance of 101.48' (36.53 Varas);

L786) N82° 48' 00"E, a distance of 41.73' (15.02 Varas);
L787) S59° 26' 19"E, a distance of 62.46' (22.49 Varas);
L788) N83° 39' 09"E, a distance of 127.26' (45.81 Varas);
L789) N47° 07' 49"E, a distance of 132.33' (47.64 Varas);
L790) N79° 32' 54"E, a distance of 114.83' (41.34 Varas);
L791) N84° 04' 27"E, a distance of 180.35' (64.93 Varas);
L792) N42° 30' 21"E, a distance of 45.09' (16.23 Varas);
L793) N66° 49' 16"E, a distance of 10.06' (3.62 Varas) to the **Point of Termination** having coordinates of (N: 17,209,178.5', E: 1,295,729.7', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S44° 05' 59"E, a distance of 23,348.96' (8,405.63 Varas);

Mean High Water line No. 69 (MHW 69):

Beginning on Mean High Water line No. 69 (MHW 69), having coordinates of (N: 17,208,548.8', E: 1,294,401.1', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S47° 26' 42"E, a distance of 23,861.98' (8,590.31 Varas);

L794) N37° 35' 44"W, a distance of 21.19' (7.63 Varas);
L795) N58° 57' 06"E, a distance of 2.44' (0.88 Varas);
L796) S35° 30' 21"E, a distance of 19.91' (7.17 Varas);
L797) S21° 38' 25"W, a distance of 1.98' (0.71 Varas)) to the **Point of Beginning**;

Mean High Water line No. 70 (MHW 70):

Beginning on Mean High Water line No. 70 (MHW 70), having coordinates of (N: 17,207,617.5', E: 1,295,842.3', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S46° 41' 57"E, a distance of 22,172.45' (7,982.08 Varas);

L798) S38° 34' 17"W, a distance of 57.22' (20.60 Varas);
L799) N87° 02' 23"W, a distance of 63.90' (23.00 Varas);
L800) S45° 43' 52"W, a distance of 13.80' (4.97 Varas);
L801) N45° 23' 28"W, a distance of 98.44' (35.44 Varas);
L802) N13° 10' 26"W, a distance of 58.12' (20.92 Varas);
L803) N33° 02' 23"W, a distance of 79.98' (28.79 Varas);
L804) N66° 35' 53"W, a distance of 118.11' (42.52 Varas);
L805) N32° 23' 42"W, a distance of 79.50' (28.62 Varas);
L806) N47° 39' 57"W, a distance of 62.53' (22.51 Varas);
L807) N60° 41' 10"W, a distance of 85.13' (30.65 Varas);

L808) N86° 09' 41"W, a distance of 30.17' (10.86 Varas);
L809) N48° 41' 08"W, a distance of 75.42' (27.15 Varas);
L810) N25° 28' 14"W, a distance of 93.56' (33.68 Varas);
L811) S83° 34' 47"W, a distance of 25.13' (9.05 Varas);
L812) S07° 22' 03"E, a distance of 82.18' (29.58 Varas);
L813) S66° 35' 58"W, a distance of 37.57' (13.53 Varas);
L814) N86° 34' 48"W, a distance of 58.34' (21.00 Varas);
L815) N46° 40' 58"W, a distance of 64.60' (23.26 Varas);
L816) N18° 03' 29"W, a distance of 185.21' (66.68 Varas);
L817) N02° 55' 57"W, a distance of 153.26' (55.17 Varas);
L818) N27° 18' 02"E, a distance of 84.23' (30.32 Varas);
L819) N84° 39' 02"E, a distance of 131.39' (47.30 Varas);
L820) S80° 42' 49"E, a distance of 61.35' (22.09 Varas);
L821) S45° 12' 08"E, a distance of 38.84' (13.98 Varas);
L822) S64° 41' 30"E, a distance of 257.92' (92.85 Varas);
L823) S87° 41' 46"E, a distance of 25.87' (9.31 Varas);
L824) S05° 03' 30"W, a distance of 15.82' (5.70 Varas);
L825) S50° 00' 05"E, a distance of 275.99' (99.36 Varas);
L826) N79° 18' 52"E, a distance of 62.99' (22.68 Varas);
L827) S80° 52' 06"E, a distance of 92.88' (33.44 Varas);
L828) S68° 31' 37"E, a distance of 75.15' (27.05 Varas);
L829) N75° 02' 18"E, a distance of 56.05' (20.18 Varas);
L830) S86° 15' 53"E, a distance of 111.90' (40.28 Varas);
L831) S80° 28' 20"E, a distance of 68.63' (24.71 Varas);
L832) S57° 23' 16"E, a distance of 68.61' (24.70 Varas);
L833) S59° 45' 31"W, a distance of 35.90' (12.92 Varas);
L834) S86° 05' 21"W, a distance of 66.71' (24.02 Varas);
L835) S79° 28' 26"W, a distance of 44.07' (15.87 Varas);
L836) N72° 13' 33"W, a distance of 58.38' (21.02 Varas);
L837) S75° 33' 44"W, a distance of 166.49' (59.94 Varas);
L838) S42° 08' 48"W, a distance of 70.01' (25.20 Varas);
L839) S08° 19' 02"E, a distance of 57.61' (20.74 Varas);
L840) S24° 05' 48"E, a distance of 56.94' (20.50 Varas);
L841) S50° 00' 23"W, a distance of 111.98' (40.31 Varas);
L842) N70° 59' 14"W, a distance of 32.32' (11.64 Varas);
L843) S36° 04' 40"W, a distance of 23.17' (8.34 Varas);
L844) S41° 18' 50"E, a distance of 175.40' (63.14 Varas) to the **Point of Beginning;**

Mean High Water line No. 96 (MHW 96):

Beginning on Mean High Water line No. 96 (MHW 96), having coordinates of (N: 17,209,192.6', E: 1,295,880.9', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S43° 48' 29"E, a distance of 23,254.15' (8,371.49Varas);

L845) S33° 59' 45"E, a distance of 6.62' (2.38 Varas);
L846) S81° 15' 03"E, a distance of 5.59' (2.01 Varas);

L847) N40° 39' 49"E, a distance of 10.32' (3.72 Varas) to the **Point of Termination** having coordinates of (N: 17,209,194.1', E: 1,295,896.9', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S43° 46' 38"E, a distance of 23,244.19' (8,367.91 Varas);

Mean High Water line No. 71 (MHW 71):

Beginning on Mean High Water line No. 71 (MHW 71), having coordinates of (N: 17,208,521.4', E: 1,296,195.1', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S44° 24' 45"E, a distance of 22,553.59' (8,119.29 Varas);

L848) N28° 34' 35"W, a distance of 119.44' (43.00 Varas);
L849) N55° 30' 17"W, a distance of 94.41' (33.99 Varas);
L850) N34° 41' 17"W, a distance of 104.37' (37.57 Varas);
L851) N13° 01' 47"W, a distance of 190.05' (68.42 Varas);
L852) N00° 19' 58"W, a distance of 188.53' (67.87 Varas) to the **Point of Termination** having coordinates of (N: 17,209,139.3', E: 1,295,956.8', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S43° 45' 50"E, a distance of 23,163.19' (8,338.75 Varas);

Mean High Water line No. 72 (MHW 72):

Beginning on Mean High Water line No. 72 (MHW 72), having coordinates of (N: 17,207,449.1', E: 1,296,557.4', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S45° 43' 13"E, a distance of 21,539.68' (7,754.28 Varas);

L853) N32° 21' 20"W, a distance of 27.43' (9.87 Varas);

L854) N33° 28' 45"E, a distance of 6.70' (2.41 Varas);
L855) S53° 51' 59"E, a distance of 18.33' (6.60 Varas);
L856) S30° 16' 17"E, a distance of 12.13' (4.37 Varas);
L857) S53° 04' 39"W, a distance of 12.43' (4.47 Varas) to the **Point of Beginning**;

Mean High Water line No. 73 (MHW 73):

Beginning on Mean High Water line No. 73 (MHW 73), having coordinates of (N: 17,207,502.6', E: 1,295,143.7', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S48° 07' 31"E, a distance of 22,609.09' (8,139.27 Varas);

L858) S54° 06' 43"E, a distance of 34.80' (12.53 Varas);
L859) S13° 12' 40"W, a distance of 15.66' (5.64 Varas);
L860) S77° 20' 06"W, a distance of 45.66' (16.44 Varas);
L861) N70° 07' 52"W, a distance of 51.20' (18.43 Varas);
L862) N17° 28' 17"W, a distance of 13.22' (4.76 Varas);
L863) N41° 26' 21"E, a distance of 15.23' (5.48 Varas);
L864) N70° 50' 29"E, a distance of 22.46' (8.09 Varas);
L865) S85° 35' 39"E, a distance of 40.87' (14.71 Varas) to the **Point of Beginning**;

Mean High Water line No. 74 (MHW 74):

Beginning on Mean High Water line No. 74 (MHW 74), having coordinates of (N: 17,207,766.0', E: 1,294,681.2', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S48° 24' 15"E, a distance of 23,129.47' (8,326.61 Varas);

L866) S65° 14' 20"W, a distance of 35.43' (12.75 Varas);
L867) S88° 28' 43"W, a distance of 175.51' (63.18 Varas);
L868) N76° 07' 52"W, a distance of 95.83' (34.50 Varas);
L869) N34° 50' 28"W, a distance of 19.30' (6.95 Varas);
L870) N30° 23' 27"E, a distance of 68.02' (24.49 Varas);
L871) N69° 29' 24"E, a distance of 61.48' (22.13 Varas);
L872) S88° 53' 45"E, a distance of 119.34' (42.96 Varas);
L873) S57° 39' 22"E, a distance of 79.46' (28.61 Varas);
L874) S05° 15' 41"E, a distance of 35.42' (12.75 Varas);
L875) S65° 54' 09"E, a distance of 22.31' (8.03 Varas);
L876) S42° 58' 04"E, a distance of 14.12' (5.08 Varas) to the **Point of Beginning**;

Mean High Water line No. 75 (MHW 75):

Beginning on Mean High Water line No. 75 (MHW 75), having coordinates of (N: 17,207,856.5', E: 1,293,926.2', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S49° 26' 59"E, a distance of 23,758.16' (8,552.94 Varas); L877) S88° 05' 35"W, a distance of 76.64' (27.59 Varas); L878) N79° 59' 34"W, a distance of 100.99' (36.36 Varas); L879) S78° 13' 04"W, a distance of 70.67' (25.44 Varas); L880) N84° 07' 17"W, a distance of 39.15' (14.09 Varas); L881) S59° 25' 17"W, a distance of 22.86' (8.23 Varas); L882) S39° 13' 57"W, a distance of 94.05' (33.86 Varas); L883) N67° 29' 05"W, a distance of 71.97' (25.91 Varas); L884) N27° 37' 58"W, a distance of 76.95' (27.70 Varas); L885) N21° 11' 26"E, a distance of 44.34' (15.96 Varas); L886) N85° 21' 02"E, a distance of 153.22' (55.16 Varas); L887) N86° 50' 15"E, a distance of 148.64' (53.51 Varas); L888) S80° 48' 13"E, a distance of 103.68' (37.32 Varas); L889) S58° 33' 05"E, a distance of 11.29' (4.06 Varas); L890) S35° 27' 34"E, a distance of 60.56' (21.80 Varas); L891) S11° 46' 06"E, a distance of 6.13' (2.21 Varas) to the **Point of Beginning;**

Mean High Water line No. 76 (MHW 76):

Beginning on Mean High Water line No. 76 (MHW 76), having coordinates of (N: 17,208,558.6', E: 1,299,435.4', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S37° 50' 21"E, a distance of 20,446.97' (7,360.91 Varas);

L892) S76° 58' 21"E, a distance of 77.88' (28.04 Varas);
L893) N86° 15' 50"E, a distance of 126.76' (45.63 Varas);
L894) S54° 41' 30"E, a distance of 83.78' (30.16 Varas);
L895) S31° 31' 43"E, a distance of 116.03' (41.77 Varas);
L896) S79° 07' 27"E, a distance of 39.86' (14.35 Varas);
L897) S65° 04' 25"E, a distance of 60.32' (21.72 Varas);
L898) S49° 28' 15"E, a distance of 136.70' (49.21 Varas);
L899) S79° 53' 57"E, a distance of 207.49' (74.70 Varas);
L900) S66° 58' 18"E, a distance of 138.91' (50.01 Varas);
L901) N70° 25' 50"E, a distance of 86.67' (31.20 Varas);
L902) S85° 19' 31"E, a distance of 89.82' (32.34 Varas);
L903) S53° 15' 40"E, a distance of 61.55' (22.16 Varas);
L904) N54° 15' 38"E, a distance of 41.11' (14.80 Varas);

L905) S81° 00' 59"E, a distance of 56.55' (20.36 Varas);
L906) S41° 19' 01"E, a distance of 81.64' (29.39 Varas);

L907) S86° 21' 46"E, a distance of 17.67' (6.36 Varas) to the **Point of Termination** having coordinates of (N: 17,208,127.1', E: 1,300,677.9', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S35° 43' 04"E, a distance of 19,357.25' (6,968.61 Varas);

Mean High Water line No. 77 (MHW 77):

Beginning on Mean High Water line No. 77 (MHW 77), having coordinates of (N: 17,208,945.9', E: 1,298,818.1', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S38° 31' 00"E, a distance of 21,132.98' (7,607.87 Varas);

L908) S64° 14' 23"E, a distance of 106.13' (38.21 Varas);
L909) S66° 14' 33"E, a distance of 166.11' (59.80 Varas);
L910) S63° 07' 48"E, a distance of 288.43' (103.83 Varas);
L911) S62° 49' 48"W, a distance of 77.83' (28.02 Varas);
L912) S39° 34' 06"E, a distance of 24.02' (8.65 Varas) to the **Point of Termination** having coordinates of (N: 17,208,648.5', E: 1,299,269.1', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S38° 03' 03"E, a distance of 20,620.08' (7,423.23 Varas);

Mean High Water line No. 78 (MHW 78):

Beginning on Mean High Water line No. 78 (MHW 78), having coordinates of (N: 17,209,272.5', E: 1,298,920.0', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S37° 45' 22"E, a distance of 21,326.93' (7,677.69 Varas);

L913) N89° 18' 02"W, a distance of 19.66' (7.08 Varas);
L914) N72° 23' 22"W, a distance of 56.59' (20.37 Varas);
L915) N53° 15' 13"W, a distance of 50.31' (18.11 Varas);
L916) N39° 04' 57"W, a distance of 54.29' (19.54 Varas);
L917) N84° 19' 11"E, a distance of 31.32' (11.28 Varas);
L918) S75° 05' 06"E, a distance of 13.60' (4.90 Varas);
L919) S61° 05' 38"E, a distance of 63.70' (22.93 Varas);
L920) S38° 08' 57"E, a distance of 70.54' (25.39 Varas);
L921) S56° 48' 46"E, a distance of 5.37' (1.93 Varas) to the **Point of Beginning**;

Mean High Water line No. 79 (MHW 79):

Beginning on Mean High Water line No. 79 (MHW 79), having coordinates of (N: 17,210,693.0', E: 1,300,069.3', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S33° 04' 51"E, a distance of 21,818.85 (7,854.79 Varas);

L922) S72° 58' 39"E, a distance of 5.94' (2.14 Varas);

L923) S23° 03' 39"E, a distance of 122.87' (44.23 Varas);

L924) S05° 39' 40"E, a distance of 106.34' (38.28 Varas);

L925) S38° 44' 54"W, a distance of 287.55' (103.52 Varas);

L926) S88° 12' 22"W, a distance of 151.22' (54.44 Varas);

L927) N37° 10' 32"W, a distance of 122.25' (44.01 Varas);

L928) S79° 32' 08"W, a distance of 62.57' (22.53 Varas);

L929) N44° 15' 12"W, a distance of 96.96' (34.91 Varas);

L930) S16° 37' 49"W, a distance of 159.24' (57.33 Varas);

L931) S83° 11' 00"W, a distance of 51.76' (18.63 Varas);

L932) N68° 39' 19"W, a distance of 88.78' (31.96 Varas);

L933) S64° 01' 50"W, a distance of 204.86' (73.75 Varas);

L934) S27° 13' 54"W, a distance of 106.86' (38.47 Varas);

L935) S88° 11' 16"W, a distance of 91.58' (32.97 Varas);

L936) S39° 13' 15"W, a distance of 44.00' (15.84 Varas);

L937) S86° 52' 58"W, a distance of 77.35' (27.85 Varas);

L938) S64° 25' 58"W, a distance of 144.96' (52.19 Varas);

L939) S16° 39' 14"W, a distance of 89.17' (32.10 Varas);

L940) S07° 44' 15"E, a distance of 124.88' (44.96 Varas);

L941) S31° 12' 08"W, a distance of 94.00' (33.84 Varas);

L942) S84° 15' 21"W, a distance of 100.00' (36.00 Varas);

L943) N57° 57' 48"W, a distance of 113.33' (40.80 Varas);

L944) S56° 27' 54"W, a distance of 145.89' (52.52 Varas);

L945) N87° 14' 09"W, a distance of 105.34' (37.92 Varas);

L946) S46° 31' 23"W, a distance of 96.66' (34.80 Varas);

L947) N82° 47' 43"W, a distance of 96.25' (34.65 Varas);

L948) S81° 25' 26"W, a distance of 104.81' (37.73 Varas);

L949) S11° 31' 54"E, a distance of 47.16' (16.98 Varas);

L950) S79° 45' 01"E, a distance of 90.26' (32.49 Varas);

L951) S45° 07' 12"E, a distance of 242.07' (87.15 Varas);

L952) S55° 17' 07"E, a distance of 118.97' (42.83 Varas);

L953) S50° 04' 23"E, a distance of 209.29' (75.34 Varas);

L954) S45° 58' 53"W, a distance of 54.88' (19.76 Varas);

L955) S26° 12' 35"E, a distance of 16.68' (6.00 Varas) to the **Point of Termination** having coordinates of (N: 17,209,110.7', E: 1,298,606.2', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S38° 41' 10"E, a distance of 21,393.93' (7,701.81 Varas);

Mean High Water line No. 80 (MHW 80):

Beginning on Mean High Water line No. 80 (MHW 80), having coordinates of (N: 17,210,833.0', E: 1,300,100.8', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S32° 48' 43"E, a distance of 21,919.27' (7,890.94 Varas);

L956) S21° 31' 52"E, a distance of 5.37' (1.93 Varas);
L957) S42° 03' 03"E, a distance of 67.08' (24.15 Varas);
L958) S61° 29' 03"E, a distance of 35.42' (12.75 Varas);
L959) N71° 08' 11"E, a distance of 42.31' (15.23 Varas);
L960) N15° 32' 03"W, a distance of 6.12' (2.20 Varas);
L961) N54° 53' 04"W, a distance of 75.81' (27.29 Varas);
L962) N68° 00' 32"W, a distance of 48.63' (17.51 Varas) to the **Point of Termination** having coordinates of (N: 17,210,842.7', E: 1,300,110.1', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S32° 46' 40"E, a distance of 21,922.36' (7,892.05 Varas);

Mean High Water line No. 81 (MHW 81):

Beginning on Mean High Water line No. 81 (MHW 81), having coordinates of (N: 17,210,736.9', E: 1,300,410.7', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S32° 15' 41"E, a distance of 21,671.53' (7,801.75 Varas);

L963) N57° 59' 16"W, a distance of 18.09' (6.51 Varas);
L964) N42° 49' 48"W, a distance of 17.69' (6.37 Varas);
L965) N49° 03' 22"E, a distance of 4.90' (1.76 Varas);
L966) S58° 25' 57"E, a distance of 11.86' (4.27 Varas);
L967) S48° 00' 19"E, a distance of 23.48' (8.45 Varas);
L968) S45° 19' 58"W, a distance of 5.48' (1.97 Varas) to the **Point of Beginning**;

Mean High Water line No. 82 (MHW 82):

Beginning on Mean High Water line No. 82 (MHW 82), having coordinates of (N: 17,210,956.4', E: 1,301,736.1', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S28° 54' 41"E, a distance of 21,185.88' (7,626.92 Varas);

L969) S86° 37' 02"W, a distance of 34.26' (12.33 Varas);

L970) N80° 43' 06"W, a distance of 82.44' (29.68 Varas);
 L971) N67° 19' 24"W, a distance of 88.30' (31.79 Varas);
 L972) N48° 07' 42"W, a distance of 433.21' (155.96 Varas);
 L973) N56° 56' 39"W, a distance of 178.95' (64.42 Varas);
 L974) S45° 26' 08"W, a distance of 33.67' (12.12 Varas);
 L975) S30° 07' 29"E, a distance of 172.36' (62.05 Varas);
 L976) N73° 46' 50"W, a distance of 64.01' (23.04 Varas);
 L977) N53° 12' 24"W, a distance of 135.71' (48.86 Varas);
 L978) N24° 57' 38"W, a distance of 131.22' (47.24 Varas);
 L979) S82° 21' 59"W, a distance of 55.48' (19.97 Varas);
 L980) S13° 09' 37"E, a distance of 52.48' (18.89 Varas);
 L981) S31° 27' 11"E, a distance of 135.28' (48.70 Varas);
 L982) S47° 41' 03"E, a distance of 221.86' (79.87 Varas);
 L983) S78° 27' 05"W, a distance of 15.53' (5.59 Varas);
 L984) N70° 47' 38"W, a distance of 96.48' (34.73 Varas);
 L985) N59° 55' 02"W, a distance of 144.54' (52.03 Varas);
 L986) N35° 48' 50"W, a distance of 129.77' (46.72 Varas);
 L987) S77° 47' 40"W, a distance of 28.38' (10.22 Varas);
 L988) S22° 24' 56"E, a distance of 47.39' (17.06 Varas);
 L989) S60° 05' 51"W, a distance of 47.56' (17.12 Varas);
 L990) N69° 10' 47"W, a distance of 58.72' (21.14 Varas);
 L991) N07° 37' 49"E, a distance of 67.99' (24.48 Varas);
 L992) S85° 07' 57"W, a distance of 49.85' (17.95 Varas);
 L993) S27° 23' 58"W, a distance of 81.94' (29.50 Varas);
 L994) S41° 48' 04"W, a distance of 42.79' (15.40 Varas);
 L995) S05° 30' 40"E, a distance of 104.31' (37.55 Varas);
 L996) S06° 10' 17"W, a distance of 22.64' (8.15 Varas);
 L997) S74° 29' 32"W, a distance of 8.42' (3.03 Varas);
 L998) N21° 49' 02"W, a distance of 50.74' (18.27 Varas);
 L999) S63° 16' 55"W, a distance of 82.52' (29.71 Varas);
 L1000) S54° 09' 13"W, a distance of 117.05' (42.14 Varas);
 L1001) S76° 25' 41"W, a distance of 99.78' (35.92 Varas);
 L1002) S21° 10' 43"W, a distance of 47.50' (17.10 Varas);
 L1003) N79° 47' 27"W, a distance of 36.63' (13.19 Varas) to the **Point of Termination** having coordinates of (N: 17,210,974.5', E: 1,300,236.9', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S32° 18' 49"E, a distance of 21,965.21' (7,907.48 Varas);

Mean High Water line No. 83 (MHW 83):

Beginning on Mean High Water line No. 83 (MHW 83), having coordinates of (N: 17,210,814.3', E: 1,300,671.8', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S31° 33' 57"E, a distance of 21,599.19' (7,775.71 Varas);

L1004) N57° 46' 44"W, a distance of 47.60' (17.14 Varas);
L1005) N30° 37' 15"W, a distance of 56.15' (20.21 Varas);
L1006) N01° 58' 49"E, a distance of 59.33' (21.36 Varas);
L1007) N73° 10' 02"E, a distance of 9.70' (3.49 Varas);
L1008) S60° 11' 41"E, a distance of 44.96' (16.19 Varas);
L1009) S38° 31' 46"E, a distance of 18.88' (6.80 Varas);
L1010) S38° 25' 22"E, a distance of 19.06' (6.86 Varas);
L1011) S25° 45' 00"E, a distance of 22.26' (8.01 Varas);
L1012) S23° 01' 57"E, a distance of 16.90' (6.08 Varas);
L1013) S08° 02' 27"W, a distance of 39.43' (14.19 Varas),
L1014) S60° 07' 14"W, a distance of 18.29' (6.58 Varas) to the **Point of Beginning**;

Mean High Water line No. 84 (MHW 84):

Beginning on Mean High Water line No. 84 (MHW 84), having coordinates of (N: 17,210,916.2', E: 1,300,897.6', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S30° 54' 47"E, a distance of 21,569.22' (7,764.92 Varas);

L1015) N54° 56' 36"W, a distance of 71.05' (25.58 Varas);
L1016) N39° 20' 51"W, a distance of 71.43' (25.71 Varas);
L1017) N13° 28' 53"W, a distance of 68.14' (24.53 Varas);
L1018) N02° 03' 23"W, a distance of 71.60' (25.78 Varas);
L1019) N30° 43' 10"E, a distance of 21.92' (7.89 Varas);
L1020) S75° 47' 39"E, a distance of 42.99' (15.48 Varas);
L1021) S57° 22' 25"E, a distance of 62.04' (22.33 Varas);
L1022) S46° 05' 41"E, a distance of 60.41' (21.75 Varas);
L1023) S26° 24' 33"E, a distance of 70.66' (25.44 Varas);
L1024) S08° 42' 14"E, a distance of 43.05' (15.50 Varas);
L1025) S25° 41' 42"W, a distance of 38.70' (13.93 Varas);
L1026) S61° 25' 02"W, a distance of 54.55' (19.64 Varas) to the **Point of Beginning**;

Mean High Water line No. 85 (MHW 85):

Beginning on Mean High Water line No. 85 (MHW 85), having coordinates of (N: 17,210,637.6', E: 1,302,070.8', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S28° 31' 40"E, a distance of 20,745.46' (7,468.37 Varas);

L1027) S15° 30' 36"E, a distance of 192.22' (69.20 Varas);
L1028) S37° 23' 17"W, a distance of 92.14' (33.17 Varas);
L1029) S26° 07' 32"E, a distance of 108.29' (38.98 Varas);
L1030) N72° 18' 27"E, a distance of 99.47' (35.81 Varas);
L1031) S82° 18' 55"E, a distance of 161.68' (58.20 Varas);
L1032) S76° 57' 16"E, a distance of 100.71' (36.26 Varas);
L1033) S84° 03' 10"E, a distance of 136.08' (48.99 Varas);
L1034) S55° 20' 36"E, a distance of 68.19' (24.55 Varas);
L1035) S45° 27' 37"E, a distance of 43.22' (15.56 Varas);
L1036) S33° 49' 11"E, a distance of 83.30' (29.99 Varas) to the **Point of Termination** having coordinates of (N: 17,210,115.4', E: 1,302,735.7', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S27° 34' 02"E, a distance of 19,971.96' (7,189.91 Varas);

Mean High Water line No. 86 (MHW 86):

Beginning on Mean High Water line No. 86 (MHW 86), having coordinates of (N: 17,209,728.7', E: 1,302,335.5', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S29° 06' 37"E, a distance of 19,821.57' (7,135.77 Varas);

L1037) N50° 35' 34"W, a distance of 61.26' (22.05 Varas);
L1038) S83° 33' 19"W, a distance of 30.47' (10.97 Varas);
L1039) S30° 29' 11"W, a distance of 19.66' (7.08 Varas);
L1040) S14° 07' 39"E, a distance of 19.49' (7.02 Varas);
L1041) S52° 20' 25"W, a distance of 2.68' (0.96 Varas);
L1042) N34° 34' 12"W, a distance of 145.90' (52.52 Varas);
L1043) N55° 17' 23"W, a distance of 39.72' (14.30 Varas);
L1044) N41° 02' 40"W, a distance of 33.93' (12.21 Varas);
L1045) N26° 59' 38"E, a distance of 2.39' (0.86 Varas);
L1046) S63° 40' 52"E, a distance of 69.54' (25.03 Varas);
L1047) N80° 32' 32"E, a distance of 132.24' (47.61 Varas);
L1048) N89° 25' 25"E, a distance of 80.51' (28.98 Varas);
L1049) S61° 04' 20"E, a distance of 84.31' (30.35 Varas) to the **Point of Termination** having coordinates of (N: 17,209,848.1', E: 1,302,461.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S28° 37' 36"E, a distance of 19,865.55' (7,151.60 Varas);

Mean High Water line No. 87 (MHW 87):

Beginning on Mean High Water line No. 87 (MHW 87), having coordinates of (N: 17,209,444.7', E: 1,302,041.5', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S30° 15' 30"E, a distance of 19,720.37' (7,099.33 Varas);

L1050) N37° 14' 03"W, a distance of 34.36' (12.37 Varas);

L1051) S76° 05' 38"W, a distance of 41.61' (14.98 Varas);

L1052) S54° 05' 46"W, a distance of 34.02' (12.25 Varas);

L1053) S47° 55' 06"E, a distance of 25.28' (9.10 Varas);

L1054) N76° 38' 05"E, a distance of 27.21' (9.80 Varas);

L1055) S32° 40' 56"E, a distance of 21.12' (7.60 Varas) to the **Point of**

Termination having coordinates of (N: 17,209,413.6', E: 1,302,009.4', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S30° 23' 03"E, a distance of 19,709.80' (7,095.53 Varas);

Mean High Water line No. 88 (MHW 88):

Beginning on Mean High Water line No. 88 (MHW 88), having coordinates of (N: 17,209,129.8', E: 1,301,715.6', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S31° 32' 37"E, a distance of 19,617.55' (7,062.32 Varas);

L1056) S84° 32' 57"W, a distance of 37.46' (13.49 Varas);

L1057) S19° 12' 58"W, a distance of 51.85' (18.67 Varas) to the **Point of**

Termination having coordinates of (N: 17,209,077.3', E: 1,301,661.3', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S31° 45' 34"E, a distance of 19,601.37' (7,056.49 Varas);

Mean High Water line No. 89 (MHW 89):

Beginning on Mean High Water line No. 89 (MHW 89), having coordinates of (N: 17,208,440.2', E: 1,301,001.9', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S34° 24' 10"E, a distance of 19,427.39' (6,993.86 Varas);

L1058) N20° 02' 04"W, a distance of 51.46' (18.53 Varas);

L1059) N67° 55' 58"E, a distance of 37.80' (13.61 Varas);

L1060) N35° 50' 14"W, a distance of 385.47' (138.77 Varas);

L1061) N79° 46' 29"W, a distance of 15.83' (5.70 Varas);
 L1062) S28° 07' 05"W, a distance of 28.48' (10.25 Varas);
 L1063) N43° 41' 10"W, a distance of 63.43' (22.83 Varas);
 L1064) N21° 45' 09"E, a distance of 74.03' (26.65 Varas);
 L1065) N69° 03' 19"E, a distance of 119.62' (43.06 Varas);
 L1066) S65° 21' 03"E, a distance of 146.31' (52.67 Varas);
 L1067) S19° 24' 25"E, a distance of 26.60' (9.58 Varas);
 L1068) S19° 10' 02"W, a distance of 24.45' (8.80 Varas);
 L1069) S43° 25' 32"W, a distance of 48.51' (17.46 Varas);
 L1070) S43° 37' 31"E, a distance of 29.62' (10.66 Varas);
 L1071) S34° 34' 51"W, a distance of 1.71' (0.62 Varas);
 L1072) N70° 44' 01"W, a distance of 15.67' (5.64 Varas);
 L1073) N28° 34' 53"W, a distance of 18.71' (6.74 Varas);
 L1074) S85° 33' 36"W, a distance of 30.36' (10.93 Varas);
 L1075) N43° 03' 48"W, a distance of 16.42' (5.91 Varas);
 L1076) S55° 18' 38"W, a distance of 33.45' (12.04 Varas);
 L1077) S35° 20' 52"E, a distance of 9.37' (3.37 Varas);
 L1078) S86° 36' 39"E, a distance of 24.02' (8.65 Varas);
 L1079) S63° 52' 23"E, a distance of 31.29' (11.26 Varas);
 L1080) S45° 00' 43"E, a distance of 37.44' (13.48 Varas);
 L1081) N43° 33' 12"E, a distance of 29.86' (10.75 Varas);
 L1082) N23° 00' 08"E, a distance of 63.71' (22.94 Varas);
 L1083) N16° 51' 02"W, a distance of 83.83' (30.18 Varas);
 L1084) N17° 59' 56"E, a distance of 46.96' (16.91 Varas);
 L1085) S43° 06' 49"E, a distance of 87.64' (31.55 Varas);
 L1086) S22° 02' 48"E, a distance of 108.71' (39.14 Varas);
 L1087) S06° 44' 58"E, a distance of 176.40' (63.50 Varas);
 L1088) S15° 42' 54"W, a distance of 33.63' (12.11 Varas);
 L1089) S16° 20' 02"E, a distance of 20.60' (7.42 Varas) to the **Point of Termination** having coordinates of (N: 17,208,559.0', E: 1,301,124.9', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S33° 54' 22"E, a distance of 19,456.68' (7,004.40 Varas);

Mean High Water line No. 90 (MHW 90):

Beginning on Mean High Water line No. 90 (MHW 90), having coordinates of (N: 17,208,486.4', E: 1,300,959.0', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S34° 25' 48"E, a distance of 19,489.79' (7,016.32 Varas);

L1090) N56° 17' 58"W, a distance of 36.39' (13.10 Varas);
 L1091) N08° 34' 25"W, a distance of 13.84' (4.98 Varas);
 L1092) N71° 12' 47"E, a distance of 14.56' (5.24 Varas);

L1093) S45° 40' 06"E, a distance of 39.77' (14.32 Varas);
L1094) S21° 00' 47"W, a distance of 9.92' (3.57 Varas);
L1095) S76° 30' 57"W, a distance of 6.52' (2.35 Varas) to the **Point of Beginning**;

Mean High Water line No. 91 (MHW 91):

Beginning on Mean High Water line No. 91 (MHW 91), having coordinates of (N: 17,208,328.8', E: 1,300,886.7', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S34° 52' 10"E, a distance of 19,401.27' (6,984.46 Varas);

L1096) N58° 08' 11"W, a distance of 56.63' (20.39 Varas);
L1097) N53° 29' 57"W, a distance of 43.26' (15.57 Varas);
L1098) N23° 34' 33"E, a distance of 7.62' (2.74 Varas);
L1099) S76° 47' 24"E, a distance of 80.96' (29.15 Varas);
L1100) S59° 30' 50"E, a distance of 33.64' (12.11 Varas) to the **Point of Termination** having coordinates of (N: 17,208,355.9', E: 1,300,914.6', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S34° 45' 22"E, a distance of 19,407.50' (6,986.70 Varas);

Mean High Water line No. 92 (MHW 92):

Beginning on Mean High Water line No. 92 (MHW 92), having coordinates of (N: 17,208,229.2', E: 1,300,783.5', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S35° 17' 17"E, a distance of 19,379.00' (6,976.44 Varas);

L1101) N41° 35' 02"W, a distance of 40.37' (14.53 Varas);
L1102) N11° 34' 07"W, a distance of 34.75' (12.51 Varas);
L1103) N52° 19' 54"W, a distance of 64.79' (23.32 Varas);
L1104) N40° 14' 20"E, a distance of 2.78' (1.00 Varas);
L1105) S73° 57' 19"E, a distance of 64.40' (23.18 Varas);
L1106) S63° 19' 05"E, a distance of 82.89' (29.84 Varas) to the **Point of Termination** having coordinates of (N: 17,208,280.1', E: 1,300,836.3', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S35° 04' 26"E, a distance of 19,390.26' (6,980.49 Varas);

Mean High Water line No. 93 (MHW 93):

Beginning on Mean High Water line No. 93 (MHW 93), having coordinates of (N: 17,208,618.9', E: 1,300,200.6', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S36° 00' 18"E, a distance of 20,035.37' (7,212.73 Varas);

L1107) N83° 37' 47"W, a distance of 100.31' (36.11 Varas);
L1108) N45° 23' 17"W, a distance of 67.78' (24.4 Varas);
L1109) N15° 20' 14"W, a distance of 74.31' (26.75 Varas);
L1110) N05° 52' 48"E, a distance of 67.28' (24.22 Varas);
L1111) N45° 12' 29"E, a distance of 69.32' (24.96 Varas);
L1112) N29° 35' 28"E, a distance of 51.34' (18.48 Varas);
L1113) N48° 49' 27"E, a distance of 16.12' (5.80 Varas);
L1114) S88° 16' 44"E, a distance of 20.98' (7.55 Varas);
L1115) S52° 05' 39"E, a distance of 49.73' (17.90 Varas);
L1116) S21° 42' 27"E, a distance of 60.59' (21.81 Varas);
L1117) S00° 57' 41"E, a distance of 79.51' (28.62 Varas);
L1118) S16° 35' 28"E, a distance of 57.79' (20.80 Varas);
L1119) S18° 28' 42"W, a distance of 83.36' (30.01 Varas) to the **Point of Beginning**;

Mean High Water line No. 94 (MHW 94):

Beginning on Mean High Water line No. 94 (MHW 94), having coordinates of (N: 17,209,517.2', E: 1,300,987.6', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S32° 43' 16"E, a distance of 20,332.89' (7,319.84 Varas);

L1120) S56° 52' 29"W, a distance of 33.43' (12.03 Varas);
L1121) S71° 48' 31"W, a distance of 80.72' (29.06 Varas);
L1122) S01° 17' 51"E, a distance of 77.29' (27.82 Varas);
L1123) S19° 03' 00"W, a distance of 96.84' (34.86 Varas);
L1124) N48° 52' 29"W, a distance of 44.50' (16.02 Varas);
L1125) N74° 39' 12"W, a distance of 72.28' (26.02 Varas);
L1126) N64° 32' 47"W, a distance of 70.73' (25.46 Varas);
L1127) N42° 15' 42"W, a distance of 57.41' (20.67 Varas);
L1128) S57° 29' 14"W, a distance of 21.60' (7.78 Varas);
L1129) S60° 09' 40"W, a distance of 22.85' (8.23 Varas);
L1130) S48° 38' 38"W, a distance of 37.09' (13.35 Varas);
L1131) S02° 15' 10"W, a distance of 31.87' (11.47 Varas);

L1132) N88° 44' 46"E, a distance of 39.75' (14.31 Varas);
L1133) S39° 02' 09"E, a distance of 173.89' (62.60 Varas);
L1134) S50° 58' 03"W, a distance of 102.07' (36.75 Varas);
L1135) N70° 06' 26"W, a distance of 85.73' (30.86 Varas);
L1136) S40° 00' 52"W, a distance of 67.02' (24.13 Varas);
L1137) N52° 08' 22"W, a distance of 56.57' (20.37 Varas);
L1138) N12° 37' 58"W, a distance of 51.10' (18.40 Varas);
L1139) N62° 51' 12"W, a distance of 117.78' (42.40 Varas);
L1140) N48° 33' 03"W, a distance of 8.46' (3.05 Varas);
L1141) N29° 44' 15"W, a distance of 85.03' (30.61 Varas);
L1142) N74° 49' 23"W, a distance of 51.91' (18.69 Varas);
L1143) N24° 22' 28"W, a distance of 115.10' (41.44 Varas);
L1144) N11° 33' 43"W, a distance of 239.21' (86.12 Varas);
L1145) N06° 25' 34"E, a distance of 246.26' (88.65 Varas);
L1146) N34° 20' 49"W, a distance of 46.72' (16.82 Varas);
L1147) N46° 31' 30"W, a distance of 76.39' (27.50 Varas);
L1148) N14° 49' 16"E, a distance of 14.23' (5.12 Varas);
L1149) S74° 33' 11"E, a distance of 84.25' (30.33 Varas);
L1150) N82° 29' 01"E, a distance of 96.86' (34.87 Varas);
L1151) N60° 01' 03"E, a distance of 154.10' (55.48 Varas);
L1152) N54° 21' 16"E, a distance of 180.05' (64.82 Varas);
L1153) N72° 08' 55"E, a distance of 201.24' (72.45 Varas);
L1154) N53° 01' 37"E, a distance of 166.33' (59.88 Varas);
L1155) S85° 28' 42"E, a distance of 53.91' (19.41 Varas);
L1156) S59° 14' 15"E, a distance of 88.80' (31.97 Varas);
L1157) S16° 16' 33"E, a distance of 39.01' (14.04 Varas);
L1158) S19° 56' 09"W, a distance of 110.94' (39.94 Varas);
L1159) S36° 19' 24"W, a distance of 86.25' (31.05 Varas);
L1160) S74° 47' 23"W, a distance of 10.90' (3.92 Varas);
L1161) N50° 50' 04"W, a distance of 78.17' (28.14 Varas);
L1162) S71° 24' 24"W, a distance of 68.43' (24.63 Varas);
L1163) S45° 56' 19"W, a distance of 93.54' (33.67 Varas);
L1164) S13° 08' 19"W, a distance of 73.97' (26.63 Varas);
L1165) S59° 47' 12"W, a distance of 46.74' (16.83 Varas);
L1166) S88° 20' 49"W, a distance of 156.33' (56.28 Varas);
L1167) S69° 12' 38"W, a distance of 120.87' (43.51 Varas);
L1168) S12° 54' 54"W, a distance of 114.96' (41.39 Varas);
L1169) S47° 00' 56"E, a distance of 145.04' (52.21 Varas);
L1170) S37° 32' 48"E, a distance of 69.90' (25.16 Varas);
L1171) S33° 08' 54"E, a distance of 85.25' (30.69 Varas);
L1172) S60° 08' 39"E, a distance of 82.94' (29.86 Varas);
L1173) S82° 57' 46"E, a distance of 189.78' (68.32 Varas);
L1174) N89° 17' 44"E, a distance of 122.83' (44.22 Varas);
L1175) S28° 30' 21"E, a distance of 20.57' (7.41 Varas) to the **Point of Beginning;**

Mean High Water line No. 95 (MHW 95):

Beginning on Mean High Water line No. 95 (MHW 95), having coordinates of (N: 17,209,563.6', E: 1,299,998.2', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S34° 55' 57"E, a distance of 20,922.27' (7,532.02 Varas);

- L1176) N43° 07' 16"W, a distance of 52.02' (18.73 Varas);
- L1177) N26° 26' 39"W, a distance of 32.21' (11.60 Varas);
- L1178) N25° 25' 48"W, a distance of 29.80' (10.73 Varas);
- L1179) N13° 36' 15"E, a distance of 32.94' (11.86 Varas);
- L1180) N81° 07' 28"E, a distance of 3.50' (1.26 Varas);
- L1181) S56° 18' 53"E, a distance of 47.31' (17.03 Varas);
- L1182) S41° 58' 42"E, a distance of 53.11' (19.12 Varas);
- L1183) S08° 04' 07"E, a distance of 31.44' (11.32 Varas);
- L1184) S11° 08' 36"W, a distance of 35.08' (12.63 Varas);
- L1185) N76° 39' 08"W, a distance of 21.61' (7.78 Varas) to the **Point of Beginning**;

Mean High Water line No. 6 (MHW 6):

Beginning on Mean High Water line No. 6 (MHW 6), having coordinates of (N: 17,198,958.8', E: 1,307,763.4', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S32° 46' 15"E, a distance of 7,787.33' (2,803.44 Varas);

- L1186) N00° 21' 50"E, a distance of 103.93' (37.41 Varas);
- L1187) N69° 24' 28"E, a distance of 41.99' (15.12 Varas);
- L1188) S46° 44' 52"E, a distance of 106.54' (38.35 Varas);
- L1189) N86° 37' 51"E, a distance of 15.14' (5.45 Varas);
- L1190) N39° 16' 59"W, a distance of 98.56' (35.48 Varas);
- L1191) N63° 03' 28"W, a distance of 109.91' (39.57 Varas);
- L1192) N67° 13' 10"W, a distance of 243.41' (87.63 Varas);
- L1193) N73° 56' 48"W, a distance of 310.27' (111.70 Varas);
- L1194) N77° 38' 03"W, a distance of 150.55' (54.20 Varas);
- L1195) N69° 06' 40"W, a distance of 166.85' (60.07 Varas);
- L1196) N82° 34' 31"W, a distance of 248.40' (89.42 Varas);
- L1197) S65° 41' 37"W, a distance of 37.58' (13.53 Varas);
- L1198) S43° 51' 39"W, a distance of 189.30' (68.15 Varas);
- L1199) S30° 49' 31"W, a distance of 146.80' (52.85 Varas);
- L1200) S07° 34' 19"W, a distance of 168.44' (60.64 Varas);

L1201) S77° 50' 59"W, a distance of 150.75' (54.27 Varas);
 L1202) N83° 14' 19"W, a distance of 101.84' (36.66 Varas);
 L1203) S56° 31' 50"W, a distance of 111.84' (40.26 Varas);
 L1204) N63° 36' 20"W, a distance of 167.79' (60.40 Varas);
 L1205) S64° 18' 03"W, a distance of 249.30' (89.75 Varas);
 L1206) S78° 31' 57"W, a distance of 251.44' (90.52 Varas);
 L1207) S78° 24' 19"W, a distance of 274.40' (98.78 Varas);
 L1208) S88° 33' 53"W, a distance of 197.62' (71.14 Varas);
 L1209) S77° 20' 23"W, a distance of 397.68' (143.16 Varas);
 L1210) S78° 03' 34"W, a distance of 228.37' (82.21 Varas);
 L1211) N86° 26' 49"W, a distance of 86.17' (31.02 Varas);
 L1212) S80° 40' 42"W, a distance of 244.54' (88.03 Varas);
 L1213) S85° 19' 17"W, a distance of 167.72' (60.38 Varas);
 L1214) N42° 49' 13"W, a distance of 122.70' (44.17 Varas);
 L1215) S71° 33' 13"W, a distance of 227.14' (81.77 Varas);
 L1216) S89° 29' 07"W, a distance of 45.63' (16.43 Varas);
 L1217) S59° 17' 24"W, a distance of 220.56' (79.40 Varas);
 L1218) S74° 42' 28"W, a distance of 318.04' (114.49 Varas);
 L1219) S89° 36' 36"W, a distance of 276.18' (99.42 Varas);
 L1220) S79° 50' 52"W, a distance of 97.01' (34.92 Varas);
 L1221) N85° 31' 28"W, a distance of 115.97' (41.75 Varas);
 L1222) S68° 48' 05"W, a distance of 35.48' (12.77 Varas);
 L1223) N68° 05' 42"W, a distance of 139.15' (50.09 Varas) to the **Point of Termination** having coordinates of (N: 17,198,433.4', E: 1,302,375.2', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S57° 54' 26"E, a distance of 11,335.52' (4,080.79 Varas);

Mean High Water line No. 7 (MHW 7):

Beginning on Mean High Water line No. 7 (MHW 7), having coordinates of (N: 17,199,018.3', E: 1,302,343.1', ELEV: 1.0' NAVD88) from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S55° 33' 36"E, a distance of 11,683.28' (4,205.98 Varas);

L1224) N86° 32' 03"E, a distance of 44.50' (16.02 Varas);
 L1225) N20° 52' 58"E, a distance of 93.19' (33.55 Varas);
 L1226) N72° 23' 31"E, a distance of 82.58' (29.73 Varas);
 L1227) S77° 20' 12"E, a distance of 59.39' (21.38 Varas);
 L1228) S35° 39' 30"E, a distance of 85.53' (30.79 Varas);
 L1229) S19° 39' 56"E, a distance of 64.02' (23.05 Varas);
 L1230) S72° 56' 29"E, a distance of 55.97' (20.15 Varas);
 L1231) S62° 05' 59"E, a distance of 109.61' (39.46 Varas);
 L1232) S50° 46' 47"E, a distance of 99.57' (35.85 Varas);

L1233) S29° 08' 14"E, a distance of 95.53' (34.39 Varas);
L1234) S79° 02' 50"E, a distance of 83.79' (30.16 Varas);
L1235) N65° 30' 52"E, a distance of 55.86' (20.11 Varas);
L1236) N42° 22' 59"E, a distance of 106.17' (38.22 Varas);
L1237) N84° 57' 26"E, a distance of 233.68' (84.12 Varas);
L1238) N00° 34' 47"E, a distance of 28.46' (10.25 Varas) to the **Point of Termination** having coordinates of (N: 17,198,910.8', E: 1,303,340.5', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S53° 02' 22"E, a distance of 10,810.32' (3,891.72 Varas);

Mean High Water line No. 8 (MHW 8):

Beginning on Mean High Water line No. 8 (MHW 8), having coordinates of (N: 17,198,964.0', E: 1,303,564.5', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S52° 05' 16"E, a distance of 10,664.79' (3,839.32 Varas);

L1239) S00° 32' 46"W, a distance of 54.02' (19.45 Varas);
L1240) S35° 12' 47"E, a distance of 37.99' (13.68 Varas);
L1241) N53° 48' 14"E, a distance of 96.30' (34.67 Varas);
L1242) N66° 58' 43"E, a distance of 23.55' (8.48 Varas);
L1243) N25° 09' 55"E, a distance of 74.21' (26.72 Varas);
L1244) N45° 17' 23"W, a distance of 34.55' (12.44 Varas) to the **Point of Termination** having coordinates of (N: 17,199,036.4', E: 1,303,692.3', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S51° 21' 17"E, a distance of 10,609.39' (3,819.38 Varas);

Mean High Water line No. 9 (MHW 9):

Beginning on Mean High Water line No. 9 (MHW 9) having coordinates of (N: 17,199,359.3', E: 1,304,713.1', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S46° 16' 40"E, a distance of 10,053.19' (3,619.15 Varas);

L1245) S70° 01' 08"W, a distance of 25.55' (9.20 Varas);
L1246) S72° 06' 50"W, a distance of 33.24' (11.97 Varas);
L1247) N70° 04' 40"W, a distance of 60.66' (21.84 Varas);
L1248) N27° 52' 32"E, a distance of 15.14' (5.45 Varas);
L1249) N28° 54' 55"W, a distance of 18.04' (6.49 Varas);

L1250) S69° 09' 45"W, a distance of 11.72' (4.22 Varas);
L1251) N83° 42' 42"W, a distance of 43.91' (15.81 Varas);
L1252) S73° 17' 22"W, a distance of 55.37' (19.93 Varas);
L1253) S10° 44' 46"W, a distance of 38.36' (13.81 Varas);
L1254) S65° 15' 28"W, a distance of 124.84' (44.94 Varas);
L1255) S82° 46' 31"W, a distance of 39.44' (14.20 Varas);
L1256) S50° 56' 20"W, a distance of 42.86' (15.43 Varas);
L1257) S89° 32' 13"W, a distance of 115.10' (41.44 Varas);
L1258) N79° 23' 31"W, a distance of 28.08' (10.11 Varas) to the **Point of Termination** having coordinates of (N: 17,199,257.3', E: 1,304,155.5', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S48° 48' 33"E, a distance of 10,395.78' (3,742.48 Varas);

Mean High Water line No. 10 (MHW 10):

Beginning on Mean High Water line No. 10 (MHW 10) having coordinates of (N: 17,199,289.8', E: 1,304,914.3', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S45° 45' 41"E, a distance of 9,860.15' (3,549.65 Varas);

L1260) S06° 13' 39"E, a distance of 17.87' (6.43 Varas);
L1261) S64° 10' 17"W, a distance of 59.01' (21.24 Varas);
L1262) N67° 07' 36"W, a distance of 72.63' (26.15 Varas);
L1263) N52° 15' 56"W, a distance of 91.85' (33.07 Varas) to the **Point of Termination** having coordinates of (N: 17,199,330.8', E: 1,304,723.6', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S46° 21' 15"E, a distance of 10,025.92' (3,609.33 Varas);

Mean High Water line No. 11 (MHW 11):

Beginning on Mean High Water line No. 11 (MHW 11) having coordinates of (N: 17,199,610.0', E: 1,305,030.9', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S43° 58' 54"E, a distance of 10,004.82' (3,601.74 Varas);

L1264) N47° 01' 27"E, a distance of 26.24' (9.45 Varas);
L1265) N89° 16' 33"E, a distance of 6.33' (2.28 Varas);
L1266) S10° 38' 28"E, a distance of 16.46' (5.93 Varas);

L1267) S89° 46' 06"E, a distance of 17.32' (6.24 Varas);
L1268) N64° 21' 18"E, a distance of 16.96' (6.11 Varas);
L1269) S78° 32' 54"E, a distance of 70.62' (25.42 Varas);
L1270) S16° 07' 10"W, a distance of 43.44' (15.64 Varas);
L1271) S63° 29' 48"E, a distance of 33.61' (12.10 Varas);
L1272) N61° 28' 45"E, a distance of 43.48' (15.65 Varas);
L1273) S56° 04' 36"E, a distance of 34.21' (12.32 Varas);
L1274) S10° 02' 42"W, a distance of 53.08' (19.11 Varas);
L1275) S85° 18' 00"W, a distance of 28.44' (10.24 Varas);
L1276) S05° 38' 46"E, a distance of 38.01' (13.68 Varas);
L1277) N86° 12' 19"E, a distance of 44.42' (15.99 Varas);
L1278) S41° 46' 34"W, a distance of 136.57' (49.17 Varas);
L1279) N63° 06' 43"W, a distance of 48.38' (17.42 Varas);
L1280) S72° 24' 03"W, a distance of 63.90' (23.00 Varas);
L1281) S33° 23' 04"W, a distance of 100.75' (36.27 Varas);
L1282) S71° 47' 06"W, a distance of 46.32' (16.68 Varas);
L1283) N23° 00' 57"W, a distance of 58.79' (21.16 Varas) to the **Point of Termination** having coordinates of (N: 17,199,316.7', E: 1,304,938.9', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S45° 33' 00"E, a distance of 9,861.36' (3,550.09 Varas);

Mean High Water line No. 12 (MHW 12):

Beginning on Mean High Water line No. 12 (MHW 12) having coordinates of (N: 17,199,497.4', E: 1,305,781.3', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S41° 10' 11"E, a distance of 9,414.03' (3,389.05 Varas);

L1284) S61° 05' 54"W, a distance of 25.49' (9.18 Varas);
L1285) N89° 39' 44"W, a distance of 113.63' (40.91 Varas);
L1286) S84° 41' 45"W, a distance of 109.36' (39.37 Varas);
L1287) S79° 19' 56"W, a distance of 47.48' (17.09 Varas);
L1288) N81° 16' 55"W, a distance of 102.00' (36.72 Varas);
L1289) N34° 28' 14"W, a distance of 46.26' (16.65 Varas);
L1290) N69° 03' 40"W, a distance of 58.01' (20.88 Varas);
L1291) N27° 57' 58"E, a distance of 50.04' (18.01 Varas);
L1292) S85° 24' 32"E, a distance of 104.94' (37.78 Varas);
L1293) S86° 05' 43"E, a distance of 135.39' (48.74 Varas);
L1294) S77° 03' 34"E, a distance of 74.66' (26.88 Varas);
L1295) S66° 59' 41"E, a distance of 52.53' (18.91 Varas);
L1296) S08° 57' 51"E, a distance of 34.45' (12.40 Varas);
L1297) N89° 21' 55"E, a distance of 83.05' (29.90 Varas) to the **Point of Beginning**;

Mean High Water line No. 13 (MHW 13):

Beginning on Mean High Water line No. 13 (MHW 13) having coordinates of (N: 17,199,626.9', E: 1,305,021.5', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S43° 57' 12"E, a distance of 10,023.47' (3,608.45 Varas);

L1298) N27° 21' 26"E, a distance of 17.01' (6.12 Varas);
L1299) N71° 23' 06"W, a distance of 362.77' (130.60 Varas);
L1300) N80° 49' 48"W, a distance of 107.80' (38.81 Varas);
L1301) N72° 42' 18"W, a distance of 108.45' (39.04 Varas);
L1302) S80° 22' 52"W, a distance of 65.59' (23.61 Varas);
L1303) S52° 06' 14"W, a distance of 19.62' (7.06 Varas);
L1304) S41° 31' 59"W, a distance of 66.49' (23.94 Varas);
L1305) S54° 51' 30"W, a distance of 165.84' (59.70 Varas);
L1306) S74° 43' 02"W, a distance of 115.98' (41.75 Varas);
L1307) S78° 35' 15"W, a distance of 211.80' (76.25 Varas);
L1308) S79° 00' 04"W, a distance of 100.95' (36.34 Varas);
L1309) S69° 14' 12"W, a distance of 97.40' (35.06 Varas);
L1310) S78° 35' 51"W, a distance of 385.99' (138.96 Varas);
L1311) N86° 05' 47"W, a distance of 312.58' (112.53 Varas);
L1312) S88° 09' 12"W, a distance of 99.92' (35.97 Varas);
L1313) S85° 29' 36"W, a distance of 65.42' (23.55 Varas);
L1314) N72° 41' 32"W, a distance of 210.38' (75.74 Varas);
L1315) N86° 16' 07"W, a distance of 135.07' (48.63 Varas);
L1316) S56° 22' 54"W, a distance of 88.88' (32.00 Varas);
L1317) N85° 11' 05"W, a distance of 200.97' (72.35 Varas) to the **Point of Termination** having coordinates of (N: 17,199,488.4', E: 1,302,240.8', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S53° 29' 24"E, a distance of 12,037.97' (4,333.67 Varas);

Mean High Water line No. 14 (MHW 14):

Beginning on Mean High Water line No. 14 (MHW 14) having coordinates of (N: 17,199,568.9', E: 1,302,188.7', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S53° 49' 37"E, a distance of 12,127.50' (4,365.90 Varas);

L1318) N42° 28' 09"E, a distance of 88.57' (31.89 Varas);
L1319) N48° 17' 50"E, a distance of 49.02' (17.65 Varas);
L1320) N15° 30' 43"E, a distance of 78.03' (28.09 Varas);
L1321) N14° 58' 37"E, a distance of 75.31' (27.11 Varas);
L1322) N03° 32' 49"W, a distance of 103.03' (37.09 Varas);

L1323) N19° 56' 50"W, a distance of 74.89' (26.96 Varas);
L1324) N50° 09' 52"W, a distance of 74.82' (26.94 Varas);
L1325) N72° 38' 41"W, a distance of 104.93' (37.77 Varas) to the **Point of Termination** having coordinates of (N: 17,200,067.2', E: 1,302,135.9', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S52° 07' 17"E, a distance of 12,469.78' (4,489.12 Varas);

Mean High Water line No. 15 (MHW 15):

Beginning on Mean High Water line No. 15 (MHW 15) having coordinates of (N: 17,200,184.5', E: 1,302,179.7', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S51° 34' 27"E, a distance of 12,507.82' (4,502.82 Varas);

L1326) S81° 04' 32"E, a distance of 160.44' (57.76 Varas);
L1327) N23° 54' 56"W, a distance of 149.28' (53.74 Varas);
L1328) N15° 41' 07"W, a distance of 103.88' (37.40 Varas);
L1329) N02° 29' 33"W, a distance of 152.41' (54.87 Varas);
L1330) N77° 43' 03"W, a distance of 124.00' (44.64 Varas);
L1331) N37° 37' 18"W, a distance of 189.43' (68.19 Varas);
L1332) N54° 03' 27"E, a distance of 12.01' (4.32 Varas);
L1333) N89° 13' 39"E, a distance of 68.98' (24.83 Varas);
L1334) N53° 41' 33"E, a distance of 31.83' (11.46 Varas);
L1335) S60° 11' 48"E, a distance of 26.94' (9.70 Varas);
L1336) S87° 32' 33"E, a distance of 83.49' (30.06 Varas);
L1337) S69° 37' 43"E, a distance of 37.98' (13.67 Varas);
L1338) N66° 46' 48"E, a distance of 13.77' (4.96 Varas);
L1339) N21° 37' 10"W, a distance of 25.72' (9.26 Varas);
L1340) N58° 16' 34"W, a distance of 115.59' (41.61 Varas);
L1341) S79° 21' 53"W, a distance of 75.10' (27.04 Varas);
L1342) N66° 25' 50"W, a distance of 144.43' (51.99 Varas);
L1343) N71° 12' 13"W, a distance of 104.47' (37.61 Varas);
L1344) S88° 27' 47"W, a distance of 102.53' (36.91 Varas) to the **Point of Termination** having coordinates of (N: 17,200,886.4', E: 1,301,750.2', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S50° 21' 14"E, a distance of 13,283.49' (4,782.06 Varas);

Mean High Water line No. 16 (MHW 16):

Beginning on Mean High Water line No. 16 (MHW 16) having coordinates of (N: 17,201,219.9', E: 1,301,671.6', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S49° 28' 51"E, a distance of 13,558.39' (4,881.02 Varas);

L1345) S57° 05' 14"W, a distance of 25.10' (9.04 Varas);
L1346) N49° 25' 22"W, a distance of 44.92' (16.17 Varas);
L1347) N57° 36' 28"W, a distance of 26.45' (9.52 Varas);
L1348) N62° 00' 44"W, a distance of 22.25' (8.01 Varas);
L1349) N47° 45' 15"W, a distance of 31.67' (11.40 Varas);
L1350) N37° 47' 40"W, a distance of 18.15' (6.53 Varas);
L1351) S74° 15' 05"E, a distance of 19.75' (7.11 Varas);
L1352) S57° 59' 35"E, a distance of 132.94' (47.86 Varas) to the **Point of Beginning**;

Mean High Water line No. 17 (MHW 17):

Beginning on Mean High Water line No. 17 (MHW 17) having coordinates of (N: 17,201,412.9', E: 1,301,464.7', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S49° 25' 47"E, a distance of 13,841.10' (4,982.80 Varas);


L1353) N36° 07' 46"E, a distance of 38.29' (13.78 Varas);
L1354) N13° 01' 55"W, a distance of 21.34' (7.68 Varas);
L1355) N43° 15' 24"W, a distance of 130.92' (47.13 Varas);
L1356) N01° 19' 54"E, a distance of 52.97' (19.07 Varas);
L1357) N21° 43' 05"E, a distance of 96.39' (34.70 Varas);
L1358) N39° 02' 39"W, a distance of 177.53' (63.91 Varas);
L1359) N11° 29' 41"W, a distance of 214.59' (77.25 Varas);
L1360) N07° 34' 19"W, a distance of 91.26' (32.85 Varas);
L1361) N10° 50' 01"W, a distance of 107.69' (38.77 Varas);
L1362) N20° 54' 33"W, a distance of 59.87' (21.55 Varas);
L1363) N78° 07' 40"W, a distance of 49.87' (17.95 Varas);
L1364) S14° 50' 27"W, a distance of 33.17' (11.94 Varas) to the **Point of Termination** having coordinates of (N: 17,202,281.0', E: 1,301,164.1', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S47° 36' 50"E, a distance of 14,641.38' (5,270.90 Varas);

Mean High Water line No. 18 (MHW 18):

Beginning on Mean High Water line No. 18 (MHW 18) having coordinates of (N: 17,202,318.0', E: 1,301,042.6', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') used for primary control bears S47° 49' 33"E, a distance of 14,756.16' (5,312.22 Varas);

- L1365) N36° 14' 29"E, a distance of 27.17' (9.78 Varas);
- L1366) N02° 18' 32"E, a distance of 82.86' (29.83 Varas);
- L1367) N52° 04' 06"W, a distance of 21.26' (7.65 Varas);
- L1368) N17° 27' 07"W, a distance of 49.66' (17.88 Varas);
- L1369) N41° 17' 40"W, a distance of 52.87' (19.03 Varas);
- L1370) N44° 26' 13"W, a distance of 73.40' (26.42 Varas);
- L1371) N61° 47' 22"W, a distance of 123.71' (44.54 Varas);
- L1372) N33° 12' 05"W, a distance of 124.98' (44.99 Varas);
- L1373) N63° 34' 49"W, a distance of 107.14' (38.57 Varas);
- L1374) N87° 38' 51"W, a distance of 81.61' (29.38 Varas);
- L1375) S69° 46' 29"W, a distance of 51.00' (18.36 Varas);
- L1376) N78° 34' 27"W, a distance of 143.16' (51.54 Varas);
- L1377) N71° 33' 00"W, a distance of 220.11' (79.24 Varas);
- L1378) N62° 11' 47"W, a distance of 51.05' (18.38 Varas);
- L1379) S88° 39' 07"W, a distance of 252.46' (90.89 Varas);
- L1380) S64° 23' 16"W, a distance of 28.11' (10.12 Varas);
- L1381) N88° 16' 50"W, a distance of 99.32' (35.76 Varas) to the **Point of Termination** having coordinates of (N: 17,202,878.4', E: 1,299,770.0', ELEV: 1.0' NAVD88), from which NGS Monument "DP0723 877 5244 A (N: 17,192,410.9', E: 1,311,978.5' Elev: 8.90') bears S49° 23' 26"E, a distance of 16,081.58' (5,789.37 Varas);

James M. Naismith, RPLS, LSLs

 6/6/2023

