

CRAWLEY'S SHORELINE CONSTRUCTION INC.

COMPILED - AS-BUILTS

**GALVESTON BAY FOUNDATION**

PROJECT NO. 10189630

GALVESTON COUNTY, TX

**INDEX TO SHEETS**

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**Submittal / Shop Drawing Review**

- No Exception Taken
- Make Corrections Noted
- Revise And Resubmit
- Rejected
- No Action Required By Engineer

Checking is for general conformance with design concept of the project and general compliance with the contract documents. Contractor shall be responsible for dimensions and quantities, techniques of construction, coordination of this work with that of other trades, and the satisfactory performance of the work.

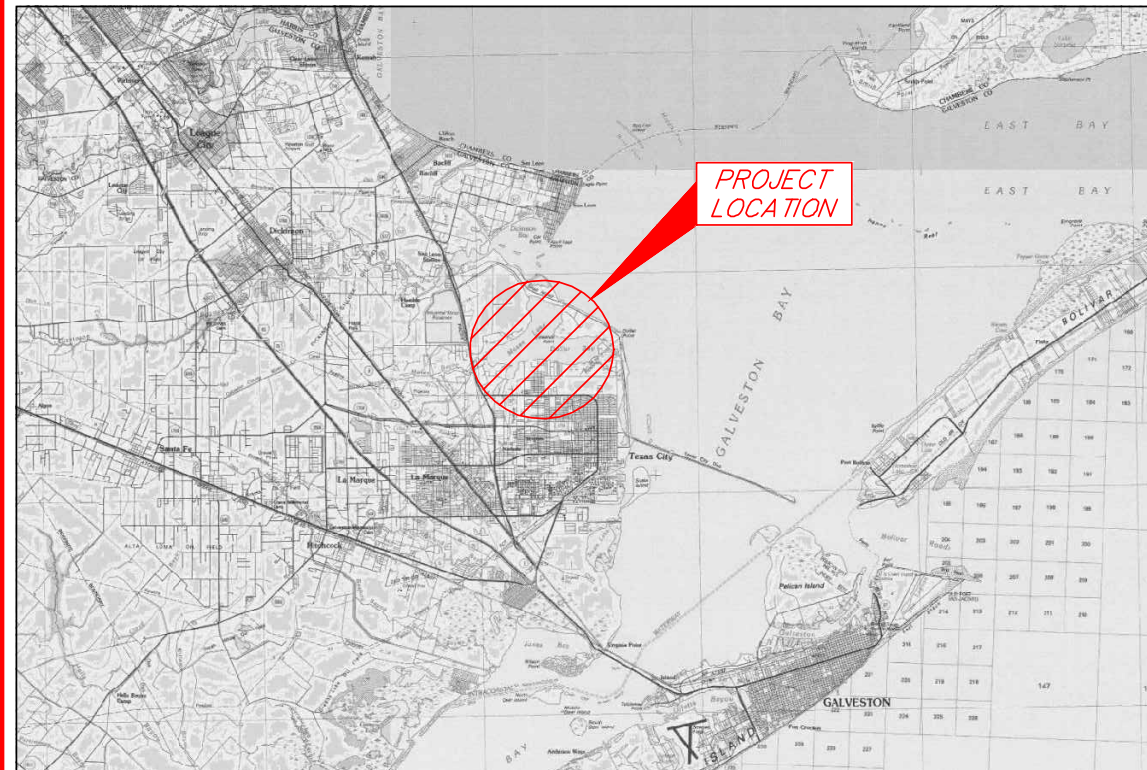
HDR

Texas Registered Engineering Firm F-754

Date 6/16/2021 By Chris LaPaola

Submittal / Shop Drawing No: Final Survey

Project No: 10189630



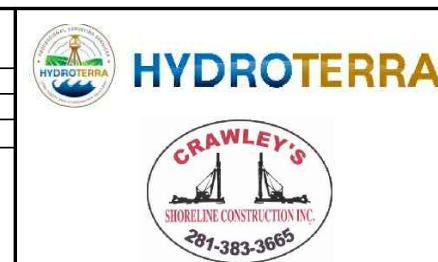
VICINITY MAP (N.T.S.)



THIS MAP REPRESENTS AN ACTUAL FIELD SURVEY MADE UNDER DIRECT SUPERVISION OF THE UNDERSIGNED.

*Keith J. Roberts*  
 KEITH J. ROBERTS, RPLS # 5353  
 HYDROTERRA TECHNOLOGIES, LLC  
 LAND SURVEYING FIRM NO. 10169000  
 212 JACOBS RUN  
 SCOTT, LOUISIANA 70583  
 (337) 706-8219

REVISED BY:	DATE:
PLAN SCALE SCALE: NTS 	
DATE: 06/09/2021	JOB# 2201113



CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
**GALVESTON BAY FOUNDATION**  
**DOLLAR BAY MARSH RESTORATION**  
 TITLE PAGE  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 1 OF 112

**SURVEY CONTROL POINTS**

NAME	NORTHING	EASTING	ELEVATION	DESCRIPTION
DOLLAR POINT 3	13728051.270	3275129.110	21.200	SURVEY MONUMENT
121820MHB1R	13723133.480	3254483.201	7.194	SET 1/2" REBAR
121820MHB2R	13723141.040	3254461.834	7.007	SET 1/2" REBAR
121820MHB3R	13723134.570	3254490.256	6.939	SET 1/2" REBAR
121820MHB4R	13723124.780	3254495.809	6.921	SET 1/2" REBAR



TEXAS SOUTH CENTRAL ZONE - NAD83 HPGN DATUM  
DERIVED VIA GPS KINEMATIC OBSERVATIONS

**ELEVATION DATUM RELATIONSHIPS**

DATUM	ELEVATION, FT NAVD
MEAN HIGHER HIGH WATER (MHHW)	0.73
MEAN HIGH WATER (MHW)	0.70
MEAN TIDE LEVEL (MTL)	0.19
MEAN SEA LEVEL (MSL)	0.24
MEAN LOW WATER (MLW)	-0.33
MEAN LOWER LOW WATER (MLLW)	-0.37

TIDAL DATUM RELATIONSHIPS SHOWN ARE BASED ON NOAA TIDE STATION 8771013 EAGLE POINT, TX.



**NOTES**

- ALL HORIZONTAL COORDINATES ARE BASED ON TEXAS SOUTH CENTRAL ZONE - NAD83 HPGN DATUM, US SURVEY FOOT AS DERIVED FROM PROJECT CONTROL (DOLLAR POINT 3) VIA GPS KINEMATIC OBSERVATIONS.
- ELEVATIONS ARE BASED ON NAVD 88 US SURVEY FEET (GEOID12B) AS DERIVED FROM PROJECT CONTROL (DOLLAR POINT 3).
- TOPOGRAPHIC SURVEY DATA ACQUISITION PERFORMED USING RTK POLING METHOD.
- THIS DRAWING INDICATES GENERAL CONDITIONS AT THE TIME OF SURVEY.
- PRE-CONSTRUCTION SURVEY DATA ACQUISITIONS WERE PERFORMED BY HYDROTERRA TECHNOLOGIES, LLC ON DECEMBER 17, 18, AND 19, 2020, JANUARY 25, 26, 27, 28, AND 29, 2021, MARCH 5, 2021, AND APRIL 6, 2021.
- POST CONSTRUCTION SURVEY DATA ACQUISITIONS WERE PERFORMED BY HYDROTERRA TECHNOLOGIES, LLC ON JANUARY 27, 2021, FEBRUARY 4, 24, AND 25, 2021, APRIL 6, 7, 12, 19, 21, AND 22, 2021, AND MAY 17 AND 18, 2021.

LEGEND	
	PROPOSED TERRACES
	PROPOSED BREAKWATERS
	SURVEY CONTROL POINT

REVISED BY:	DATE:
HORIZONTAL SCALE	
DATE: 06/09/2021	JOB# 2201113

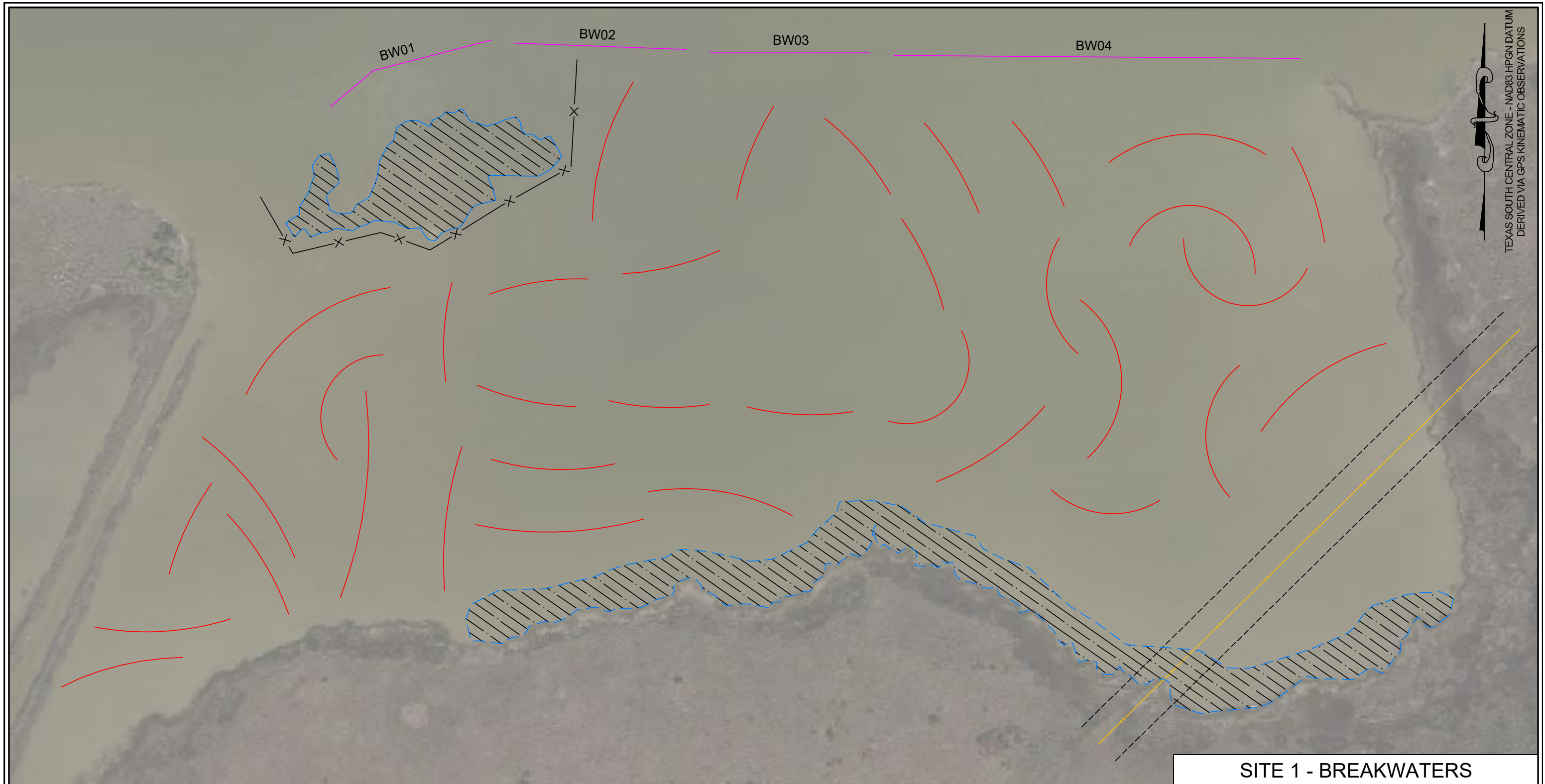
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**CRAWLEY'S SHORELINE CONSTRUCTION INC.**  
**COMPILED AS-BUILTS**  
**GALVESTON BAY FOUNDATION**  
**DOLLAR BAY MARSH RESTORATION**  
 OVERALL PLAN VIEW  
 GALVESTON COUNTY, TEXAS

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET:2 OF 112

TEXAS SOUTH CENTRAL ZONE - NAD83 HPGN DATUM  
 DERIVED VIA GPS KINEMATIC OBSERVATIONS



LEGEND	
	PROPOSED TERRACES
	EXISTING PIPELINE
	PIPELINE BUFFER
	PROPOSED BREAKWATERS
	ENVIRONMENTALLY SENSITIVE AREA
	PROPOSED SILT FENCE

REVISED BY:	DATE:
HORIZONTAL SCALE	
DATE: 06/09/2021	JOB# 2201113

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FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

**SITE 1 - BREAKWATERS**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 SITE 1 - BREAKWATERS PLAN VIEW  
 GALVESTON COUNTY, TEXAS

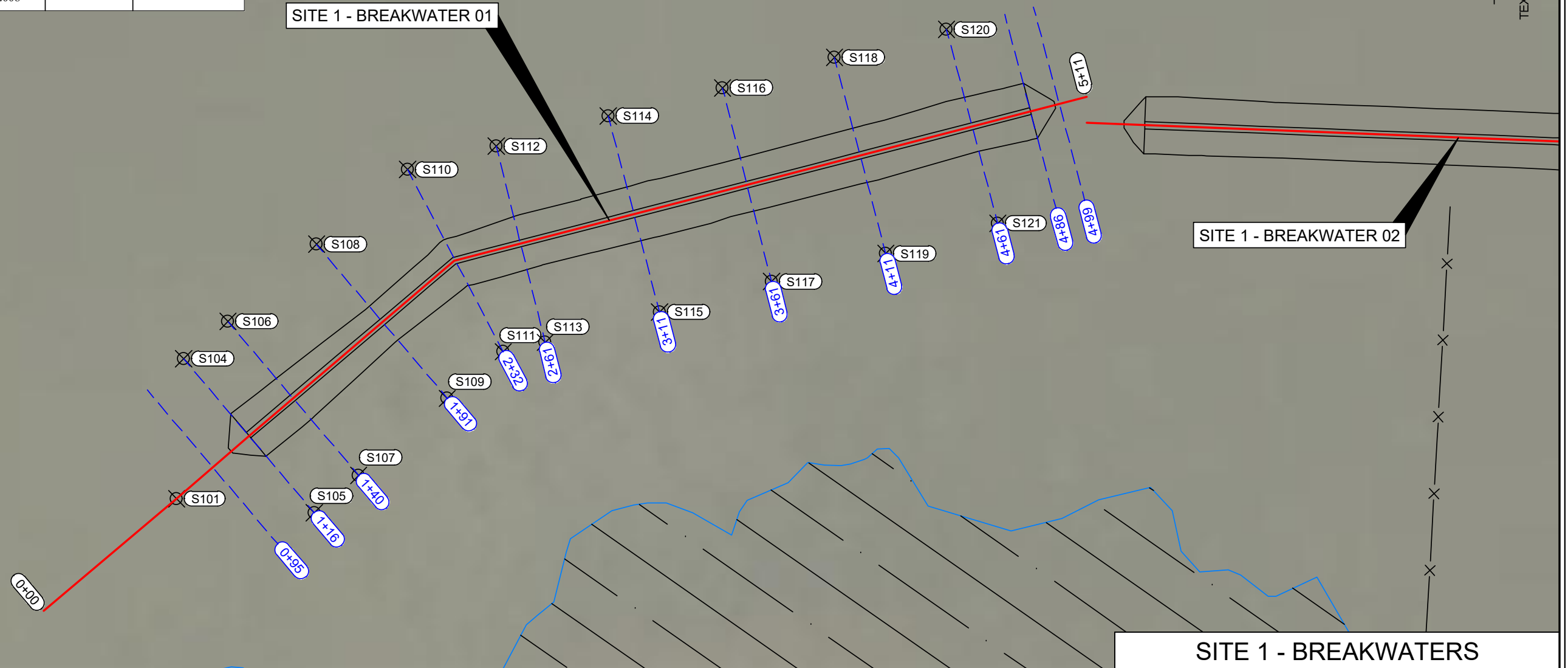
SHEET:3 OF 112

TEXAS SOUTH CENTRAL ZONE - NAD83 HPGN DATUM  
DERIVED VIA GPS KINEMATIC OBSERVATIONS

**Site 1 - Breakwater 01 Alignment**

PI Station	Northing	Easting	Distance	Direction
0+00.00	13,723,128.0000'	3,268,364.0000'		
			74.52'	N49° 53' 57"E
0+74.52	13,723,176.0000'	3,268,421.0000'		
			41.11'	N48° 56' 43"E
1+15.63	13,723,203.0000'	3,268,452.0000'		
			115.62'	N49° 33' 36"E
2+31.25	13,723,278.0000'	3,268,540.0000'		
			280.16'	N75° 28' 25"E
5+11.41	13,723,348.2707'	3,268,811.2008'		

Name	Northing	Easting
S101	13723176	3268421
S102	N/A	N/A
S103	N/A	N/A
S104	13723236	3268424
S105	13723170	3268480
S106	13723252	3268443
S107	13723186	3268499
S108	13723285	3268481
S109	13723219	3268537
S110	13723317	3268520
S111	13723239	3268561
S112	13723327	3268558
S113	13723243	3268579
S114	13723340	3268606
S115	13723256	3268628
S116	13723352	3268655
S117	13723269	3268676
S118	13723365	3268703
S119	13723281	3268725
S120	13723377	3268751
S121	13723294	3268773



**LEGEND**

- BREAKWATER ALIGNMENT
- BREAKWATER TEMPLATE
- - - SURVEYED CROSS-SECTION

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**HORIZONTAL SCALE**

50' 0' 25' 50'

DATE: 06/09/2021    JOB# 2201113

**HYDROTERRA**

**CRAWLEY'S**  
SHORELINE CONSTRUCTION INC.  
281-383-3665

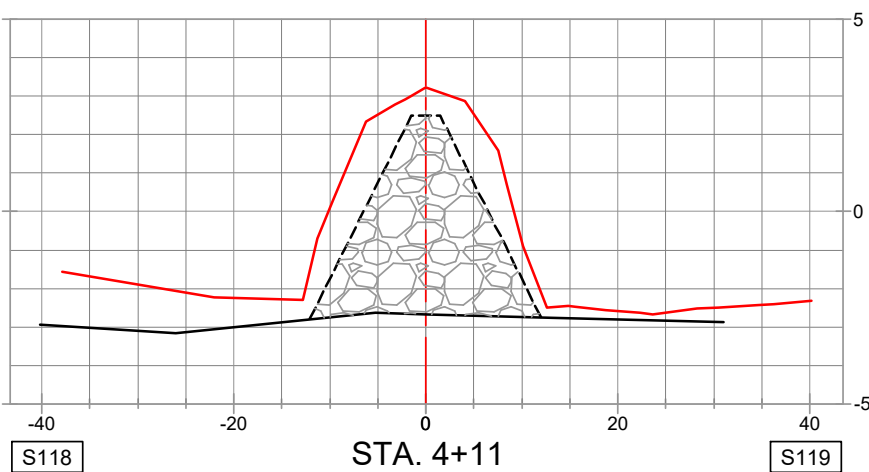
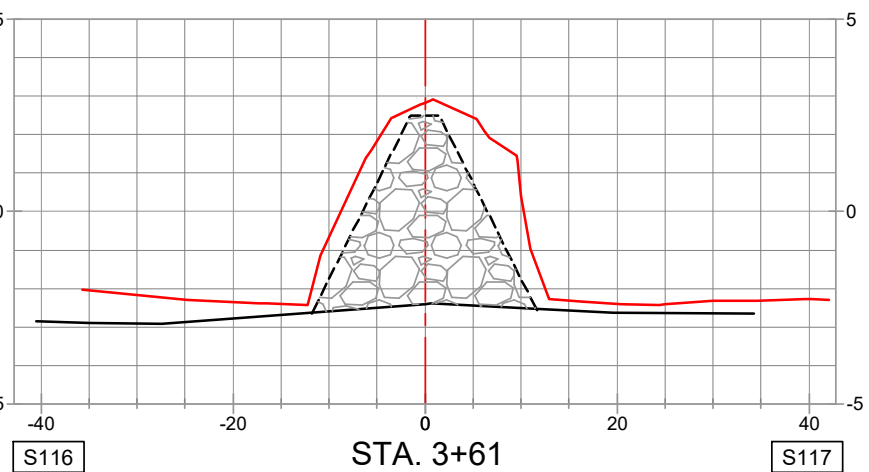
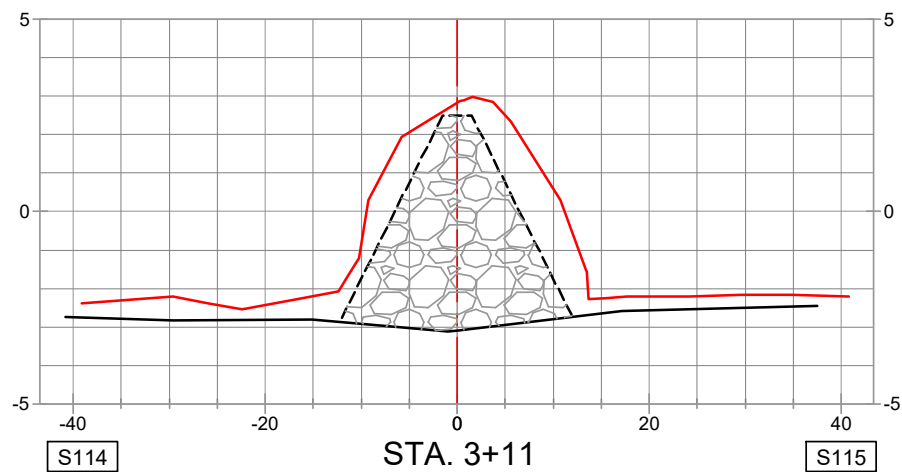
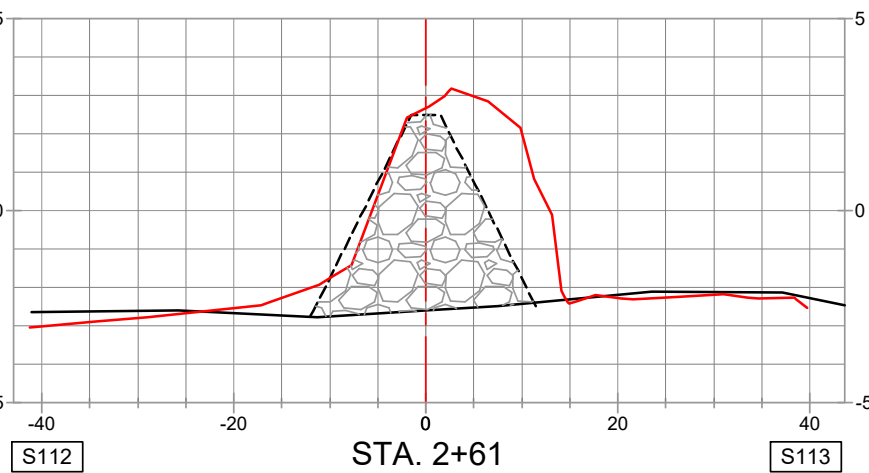
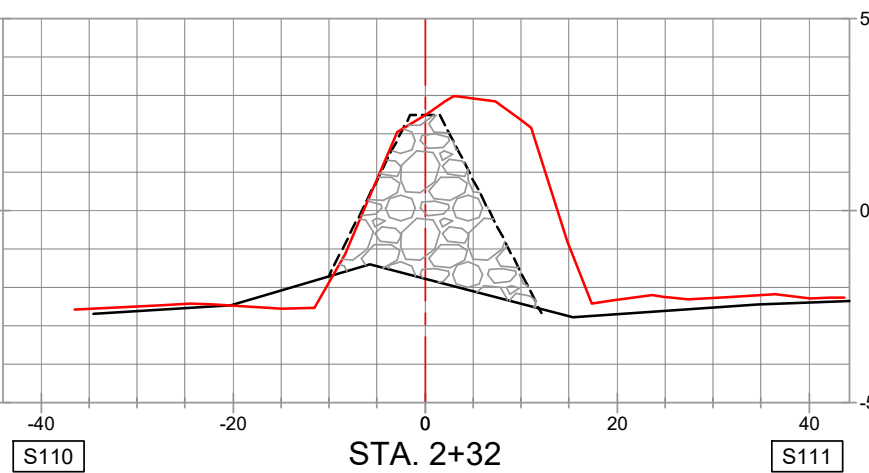
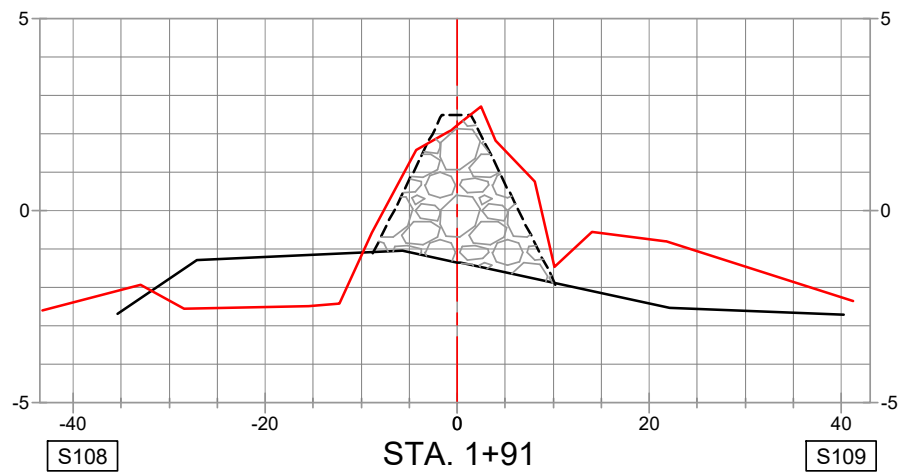
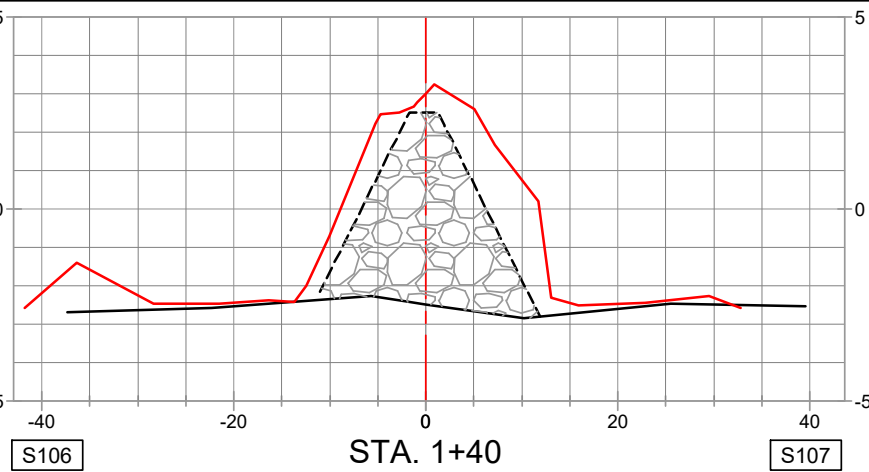
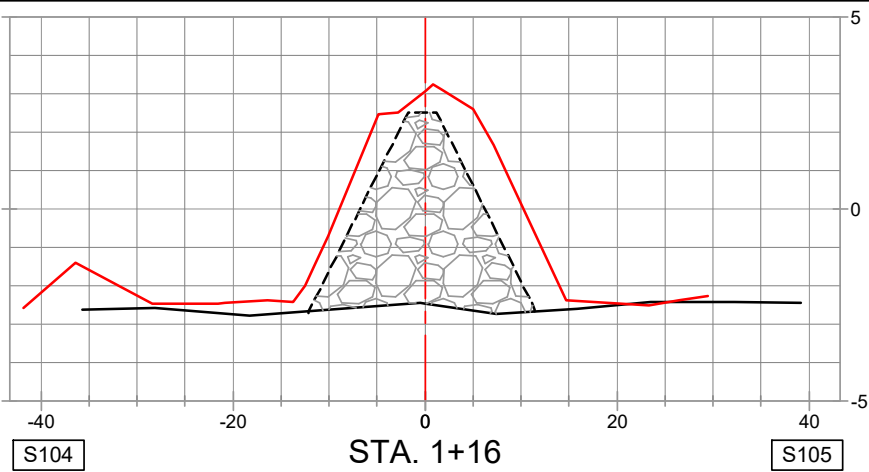
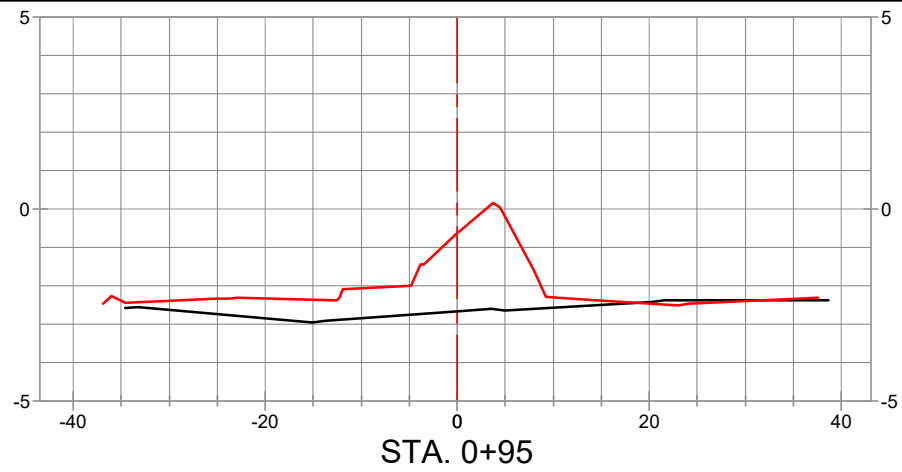
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FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

**SITE 1 - BREAKWATERS**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
SITE 1 - BREAKWATER 01 SURVEY PLAN VIEW  
GALVESTON COUNTY, TEXAS

SHEET: 4 OF 112



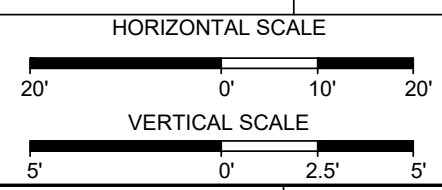
**NOTES**

- 1.) BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

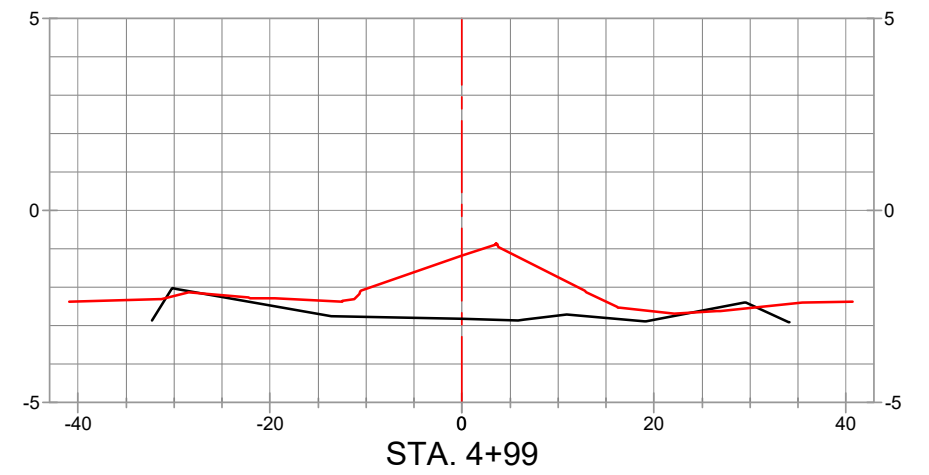
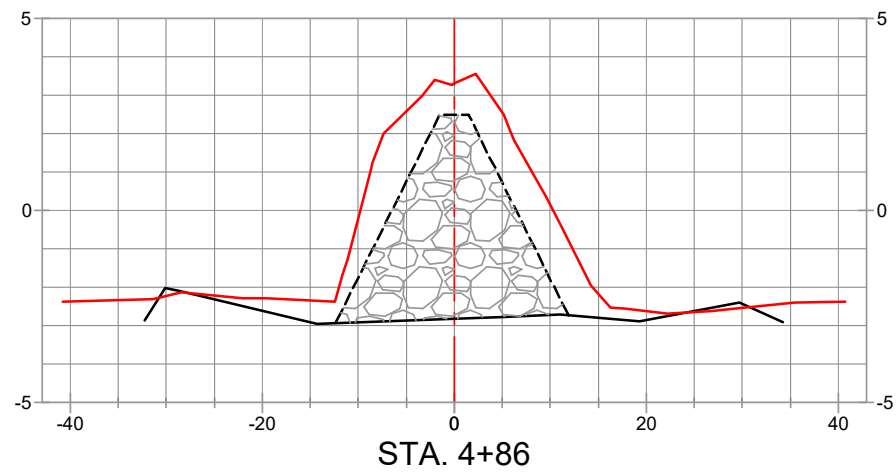
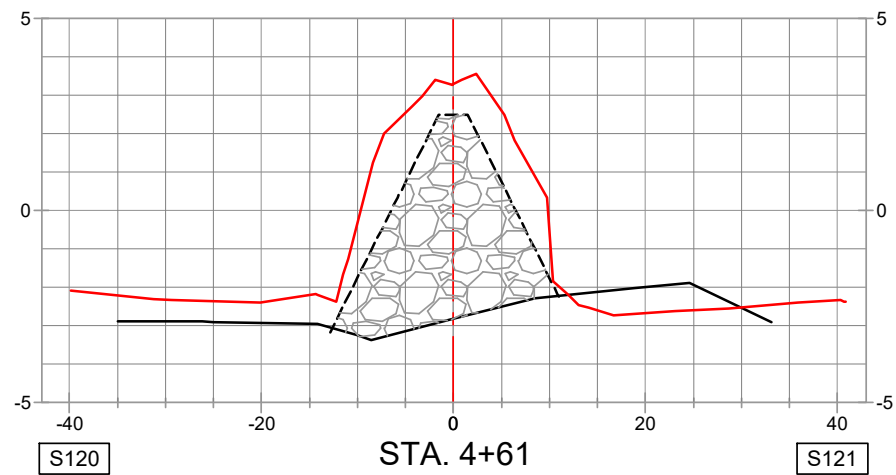
**LEGEND**

- PRE-CONSTRUCTION SURVEY (01/25/2021)
- AS-BUILT SURVEY (04/07/2021)
- TEMPLATE
- VOLUME IN PLACE WITHIN TEMPLATE
- BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



**CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 1 BREAKWATER 01 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS**



SITE 1 - BW01 VOLUME IN PLACE WITHIN TEMPLATE			
Station	Area	Volume	Cumulative Volume
0+95.07	0.00	0.00	0.00
1+15.63	67.14	25.56	25.56
1+40.47	65.34	60.94	86.49
1+90.79	40.45	98.59	185.09
2+31.71	51.21	68.83	253.92
2+60.60	64.37	61.84	315.77
3+10.81	76.10	130.61	446.37
3+60.89	64.69	130.58	576.96
4+10.98	69.64	124.59	701.54
4+60.58	72.48	130.54	832.08
4+86.41	72.14	69.18	901.26
4+99.11	0.00	16.97	918.22



**NOTES**

- BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

- PRE-CONSTRUCTION SURVEY (01/25/2021)
- AS-BUILT SURVEY (04/07/2021)
- - - TEMPLATE
- VOLUME IN PLACE WITHIN TEMPLATE
- · - · - BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE

VERTICAL SCALE

DATE: 06/09/2021      JOB# 2201113

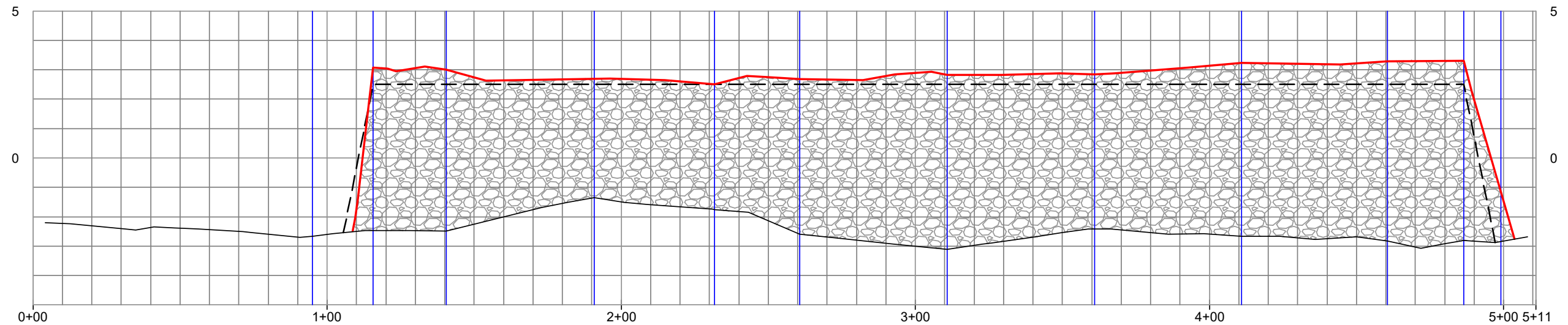
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FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 1 BREAKWATER 01 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS

SHEET: 6 OF 112

SITE 1 - BREAKWATER 01 PROFILE



NOTES

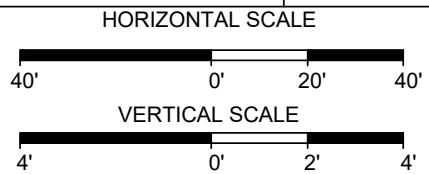
- 1.) BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

LEGEND

- PRE-CONSTRUCTION SURVEY
- AS-BUILT SURVEY
- TEMPLATE
- VOLUME IN PLACE
- SURVEYED CROSS-SECTION

REVISED BY:

DATE:



**HYDROTERRA**



CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 1 BREAKWATER 01 PROFILE VIEW  
 GALVESTON COUNTY, TEXAS

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JOB# 2201113

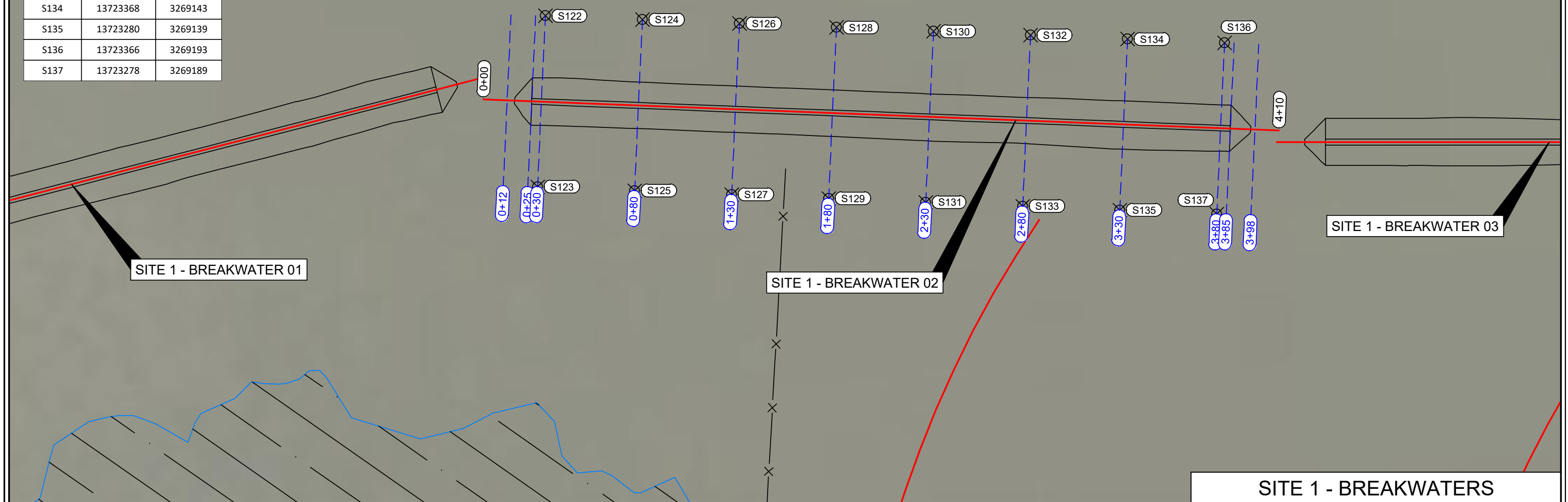
FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET:7 OF 112

Name	Northing	Easting
S122	13723380	3268843
S123	13723292	3268839
S124	13723378	3268893
S125	13723290	3268889
S126	13723376	3268943
S127	13723288	3268939
S128	13723374	3268993
S129	13723286	3268989
S130	13723372	3269043
S131	13723284	3269039
S132	13723370	3269093
S133	13723282	3269089
S134	13723368	3269143
S135	13723280	3269139
S136	13723366	3269193
S137	13723278	3269189

Site 1 - Breakwater 02 Alignment				
PI Station	Northing	Easting	Distance	Direction
0+00.00	13,723,336.9715'	3,268,811.0189'		
			410.27'	S87° 46' 23"E
4+10.27	13,723,321.0285'	3,269,220.9811'		

TEXAS SOUTH CENTRAL ZONE - NAD83 HPGN DATUM  
DERIVED VIA GPS KINEMATIC OBSERVATIONS



**LEGEND**

- BREAKWATER ALIGNMENT
- BREAKWATER TEMPLATE
- - - SURVEYED CROSS-SECTION

REVISD BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**HORIZONTAL SCALE**

50' — 0' — 25' — 50'

DATE: 06/09/2021    JOB# 2201113

**HYDROTERRA**

**CRAWLEY'S**  
SHORELINE CONSTRUCTION INC.  
281-383-3665

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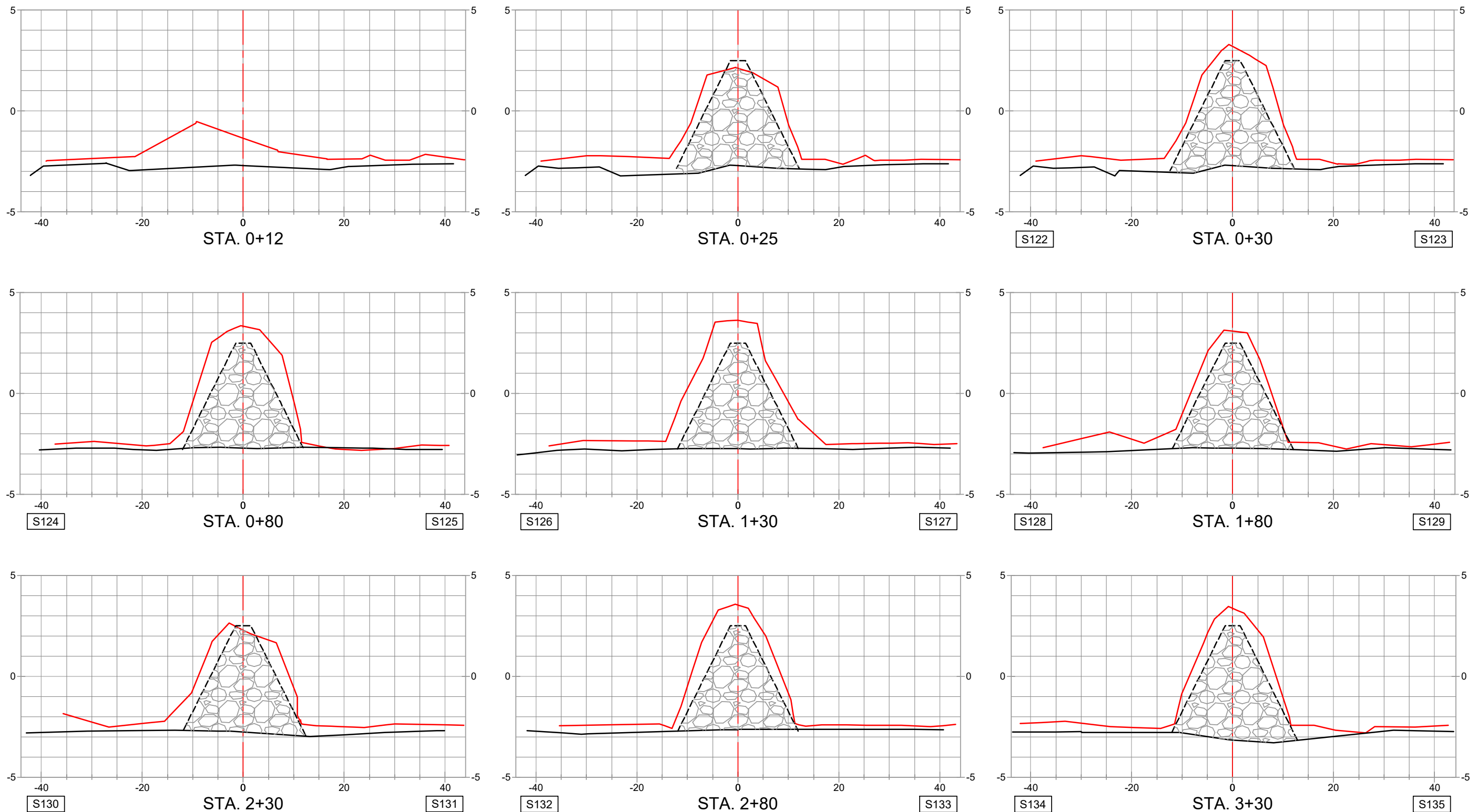
FILE: Dollar Bay Marsh - Compiled As-Built.dwg

**SITE 1 - BREAKWATERS**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
SITE 1 - BREAKWATER 02 SURVEY PLAN VIEW  
GALVESTON COUNTY, TEXAS

SHEET: 8 OF 112





**NOTES**

- 1.) BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

- PRE-CONSTRUCTION SURVEY (01/25/2021)
- AS-BUILT SURVEY (04/07/2021)
- - - TEMPLATE
- [Hatched Box] VOLUME IN PLACE WITHIN TEMPLATE
- - - BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE  
 20' 0' 10' 20'

VERTICAL SCALE  
 5' 0' 2.5' 5'

DATE: 06/09/2021 JOB# 2201113

HYDROTERRA

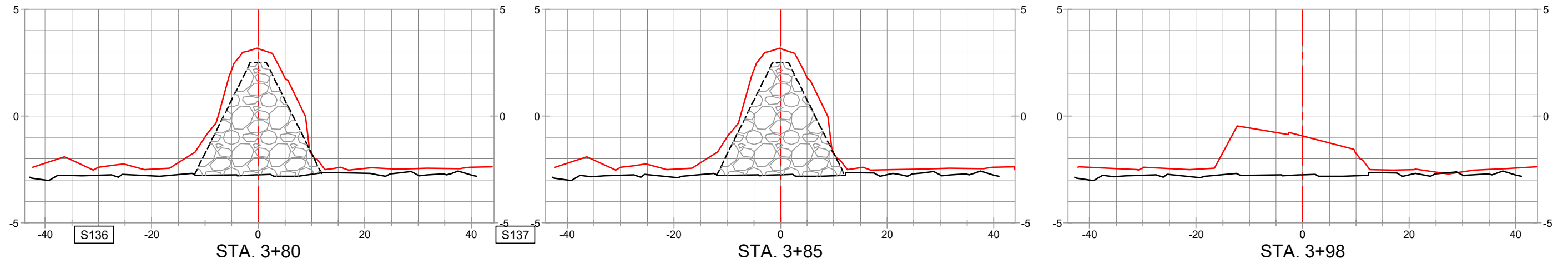
CRAWLEY'S SHORELINE CONSTRUCTION INC.  
281-383-3665

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 1 BREAKWATER 02 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET:9 OF 112



SITE 1 - BW02 VOLUME IN PLACE WITHIN TEMPLATE			
Station	Area	Volume	Cumulative Volume
0+12.30	0.00	0.00	0.00
0+25.00	71.89	16.91	16.91
0+29.99	73.70	13.47	30.37
0+80.04	69.48	132.68	163.06
1+30.08	70.28	129.52	292.58
1+80.12	70.08	130.07	422.65
2+30.16	70.94	130.68	553.32
2+80.20	68.64	129.34	682.66
3+30.24	79.38	137.16	819.83
3+80.28	71.39	139.71	959.54
3+85.27	71.40	13.21	972.75
3+97.97	0.00	16.79	989.54



**NOTES**

- BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

- PRE-CONSTRUCTION SURVEY (01/25/2021)
- AS-BUILT SURVEY (04/07/2021)
- - - TEMPLATE
- VOLUME IN PLACE WITHIN TEMPLATE
- - - BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE

VERTICAL SCALE

DATE: 06/09/2021 JOB# 2201113

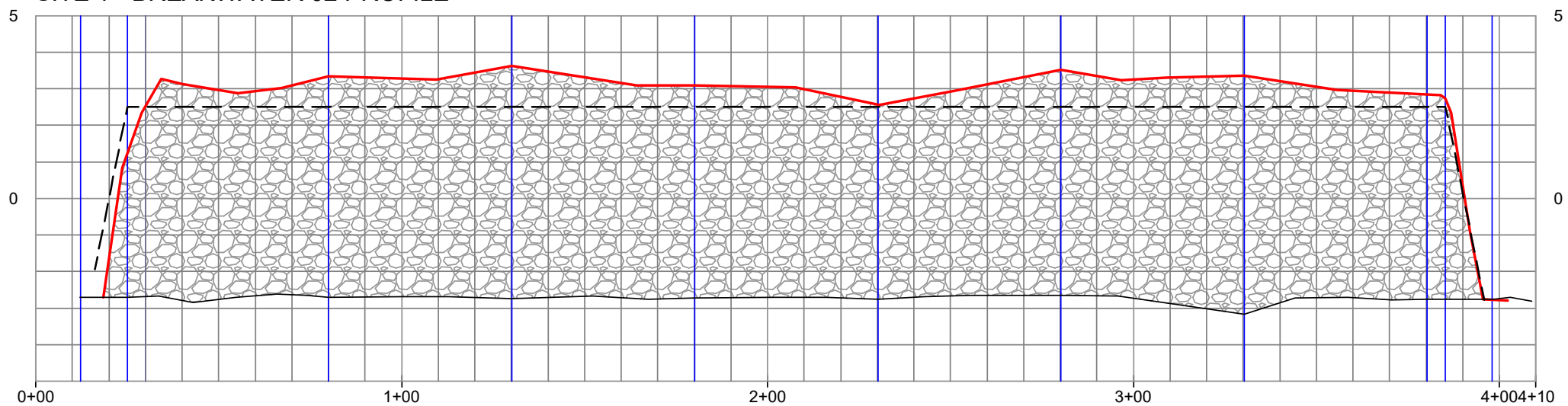
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 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 1 BREAKWATER 02 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS

SHEET: 10 OF 112

SITE 1 - BREAKWATER 02 PROFILE



NOTES

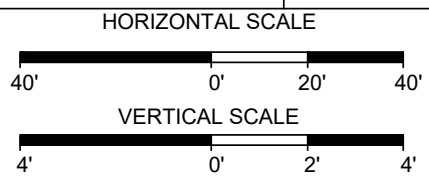
- 1.) BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

LEGEND

- PRE-CONSTRUCTION SURVEY
- AS-BUILT SURVEY
- TEMPLATE
- VOLUME IN PLACE
- SURVEYED CROSS-SECTION

REVISED BY:

DATE:



**HYDROTERRA**



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 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 1 BREAKWATER 02 PROFILE VIEW  
 GALVESTON COUNTY, TEXAS

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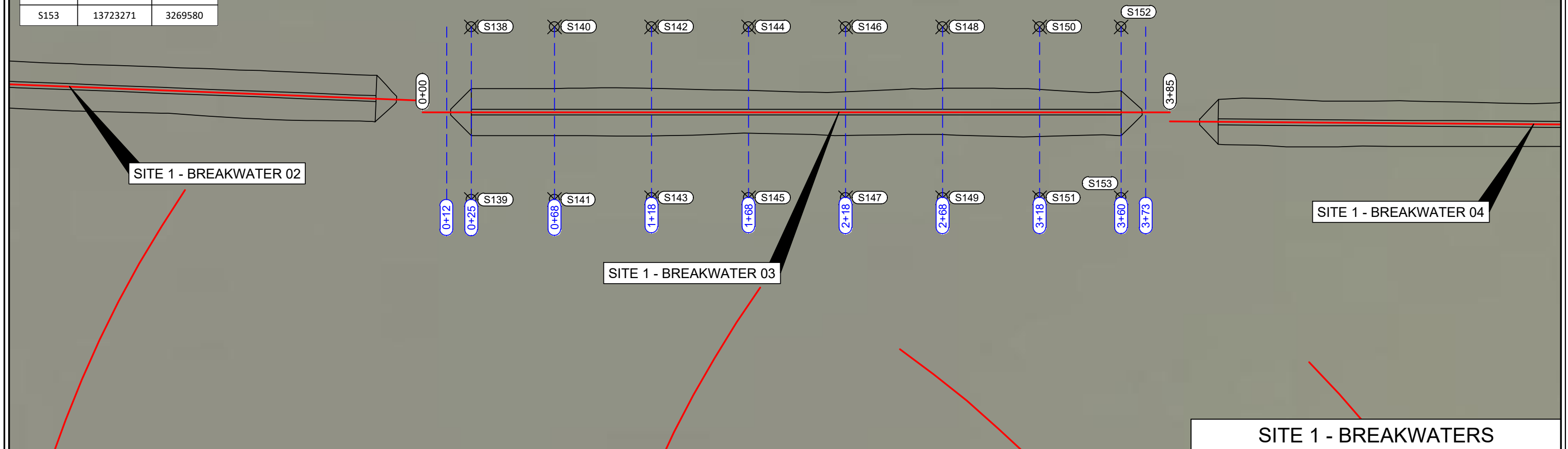
FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 11 OF 112

Name	Northing	Easting
S138	13723359	3269245
S139	13723270	3269245
S140	13723359	3269288
S141	13723270	3269288
S142	13723359	3269338
S143	13723271	3269338
S144	13723359	3269388
S145	13723271	3269388
S146	13723359	3269438
S147	13723271	3269438
S148	13723359	3269488
S149	13723271	3269488
S150	13723359	3269538
S151	13723271	3269538
S152	13723359	3269580
S153	13723271	3269580

Site 1 - Breakwater 03 Alignment				
PI Station	Northing	Easting	Distance	Direction
0+00.00	13,723,315.0000'	3,269,220.0000'		
			385.00'	N90° 00' 00"E
3+85.00	13,723,315.0000'	3,269,605.0000'		

TEXAS SOUTH CENTRAL ZONE - NAD83 HPGN DATUM  
DERIVED VIA GPS KINEMATIC OBSERVATIONS



**LEGEND**

- BREAKWATER ALIGNMENT
- BREAKWATER TEMPLATE
- - - SURVEYED CROSS-SECTION

REVISD BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**HORIZONTAL SCALE**

50' — 0' — 25' — 50'

DATE: 06/09/2021    JOB# 2201113

**HYDROTERRA**

**CRAWLEY'S**  
SHORELINE CONSTRUCTION INC.  
281-383-3665

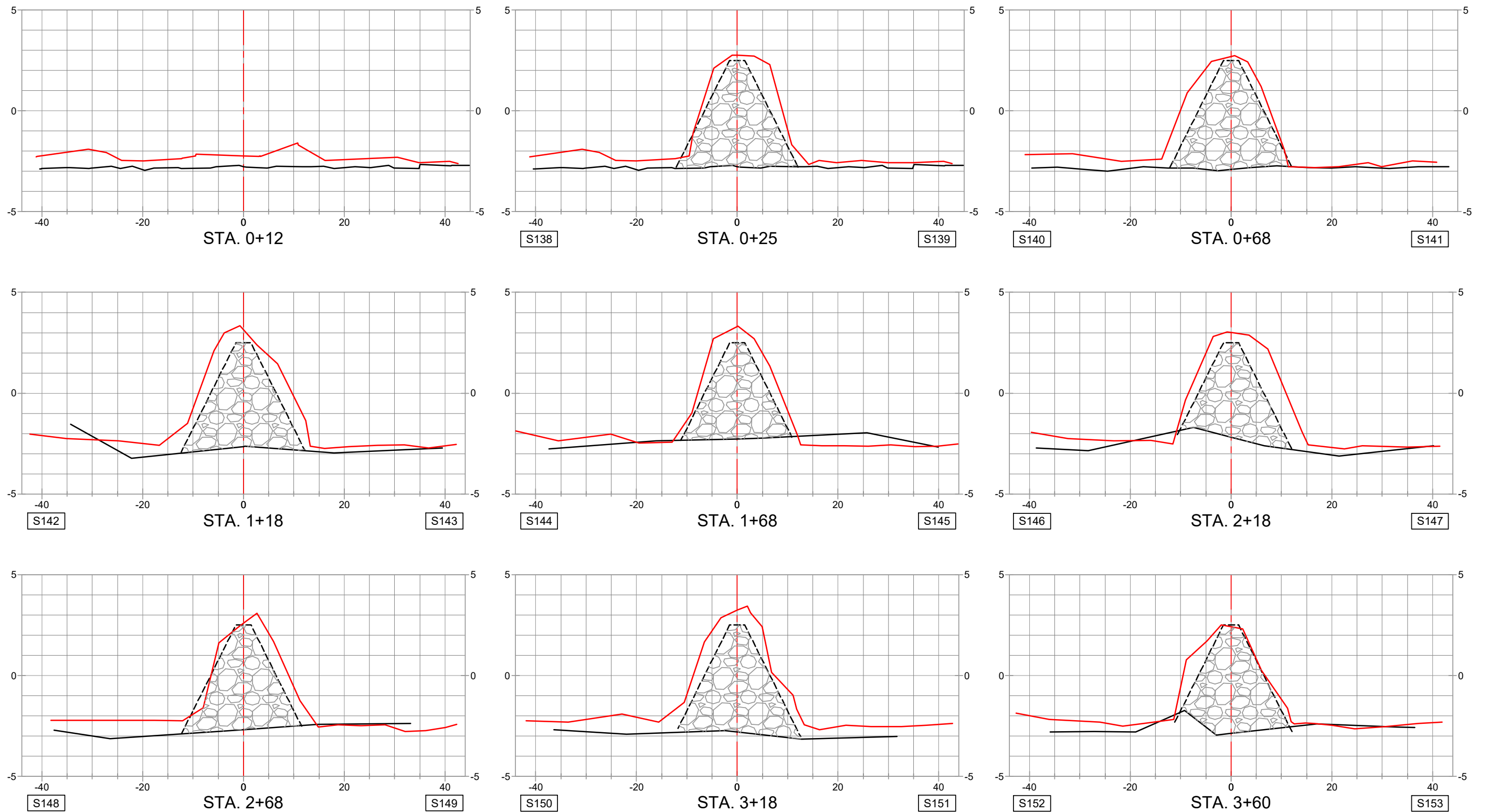
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

**SITE 1 - BREAKWATERS**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
SITE 1 - BREAKWATER 03 SURVEY PLAN VIEW  
GALVESTON COUNTY, TEXAS

SHEET: 12 OF 112



**NOTES**

- 1.) BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

- PRE-CONSTRUCTION SURVEY (01/25/2021)
- AS-BUILT SURVEY (04/07/2021)
- - - TEMPLATE
- ▨ VOLUME IN PLACE WITHIN TEMPLATE
- · - · - BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE  
 20' 0' 10' 20'

VERTICAL SCALE  
 5' 0' 2.5' 5'

DATE: 06/09/2021 JOB# 2201113

HYDROTERRA

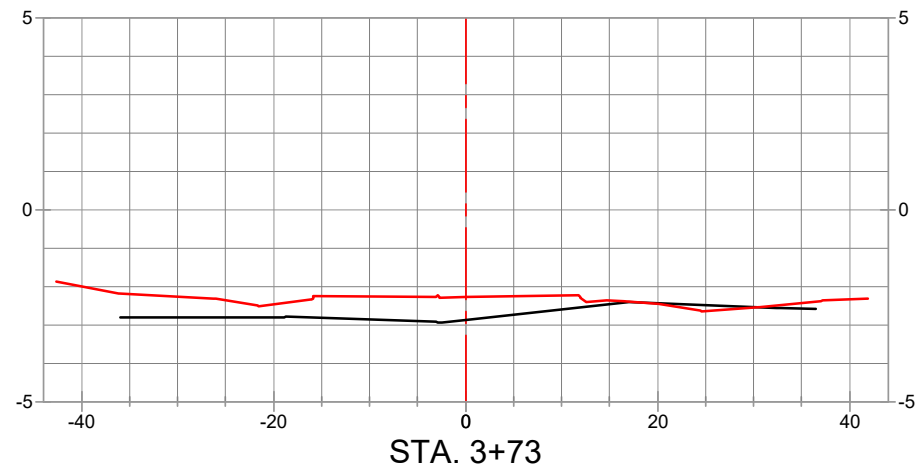
CRAWLEY'S SHORELINE CONSTRUCTION INC.  
281-383-3665

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 1 BREAKWATER 03 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 13 OF 112



SITE 1 - BW03 VOLUME IN PLACE WITHIN TEMPLATE			
Station	Area	Volume	Cumulative Volume
0+12.30	0.00	0.00	0.00
0+25.00	70.97	16.69	16.69
0+68.00	72.81	114.49	131.18
1+18.00	71.51	133.63	264.81
1+68.00	59.69	121.48	386.30
2+18.00	58.69	109.61	495.91
2+68.00	67.30	116.66	612.57
3+18.00	74.02	130.86	743.43
3+60.00	66.32	109.16	852.59
3+72.70	0.00	15.60	868.19



**NOTES**

- BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

- PRE-CONSTRUCTION SURVEY (01/25/2021)
- AS-BUILT SURVEY (04/07/2021)
- - - TEMPLATE
- VOLUME IN PLACE WITHIN TEMPLATE
- - - BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE

VERTICAL SCALE

DATE: 06/09/2021      JOB# 2201113

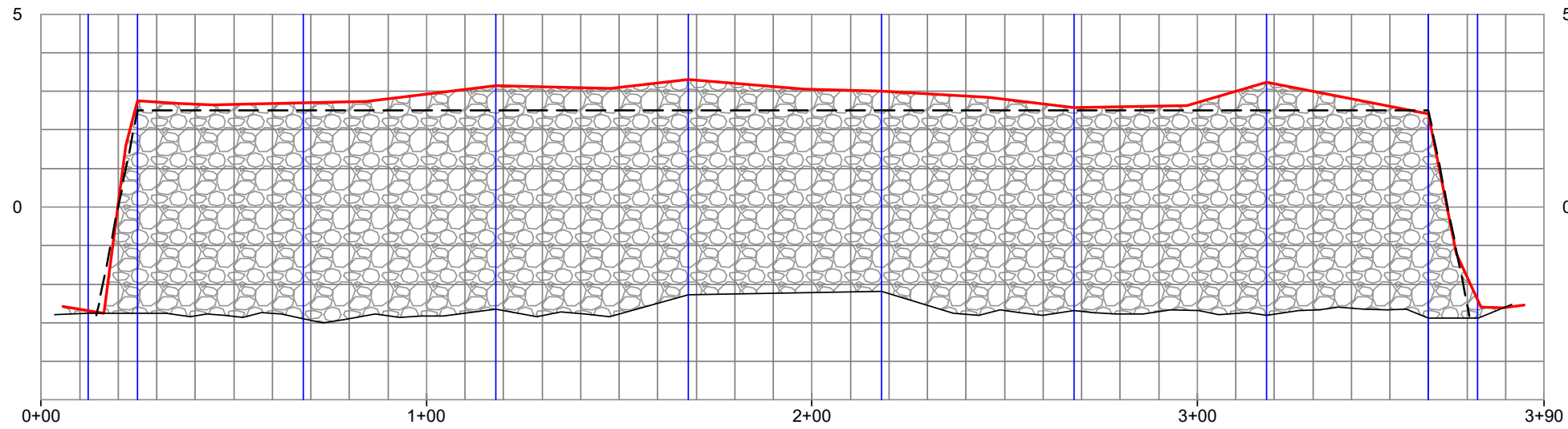
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 1 BREAKWATER 03 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS

SHEET: 14 OF 112

SITE 1 - BREAKWATER 03 PROFILE



NOTES

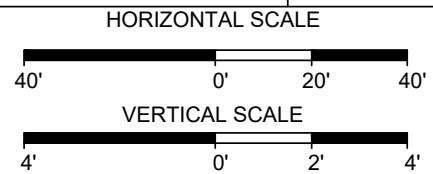
- 1.) BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

LEGEND

- PRE-CONSTRUCTION SURVEY
- AS-BUILT SURVEY
- TEMPLATE
- VOLUME IN PLACE
- SURVEYED CROSS-SECTION

REVISED BY:

DATE:



**HYDROTERRA**



CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 1 BREAKWATER 03 PROFILE VIEW  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

JOB# 2201113

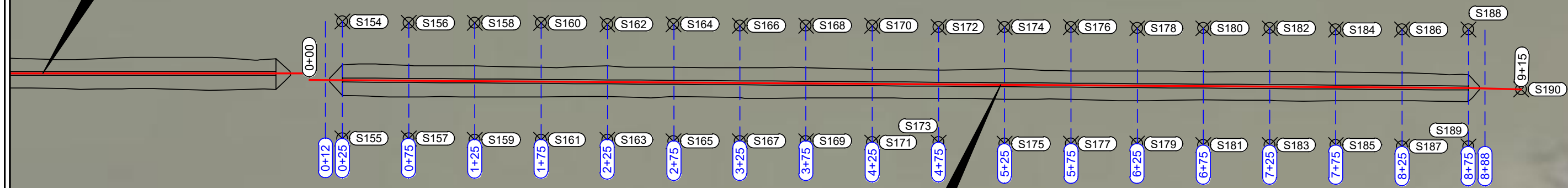
FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 15 OF 112



Site 1 - Breakwater 04 Alignment				
PI Station	Northing	Easting	Distance	Direction
0+00.00	13,723,310.1765'	3,269,605.0006'		
			875.02'	S89° 35' 44"E
8+75.02	13,723,304.0000'	3,270,480.0000'		
			40.01'	S88° 34' 04"E
9+15.03	13,723,303.0000'	3,270,520.0000'		

SITE 1 - BREAKWATER 03



SITE 1 - BREAKWATER 04

Name	Northing	Easting
S154	13723354	3269630
S155	13723266	3269630
S156	13723353	3269680
S157	13723266	3269680
S158	13723353	3269730
S159	13723265	3269730
S160	13723353	3269780
S161	13723265	3269780
S162	13723352	3269830
S163	13723265	3269830
S164	13723352	3269880
S165	13723264	3269880
S166	13723351	3269930

Name	Northing	Easting
S167	13723264	3269930
S168	13723351	3269980
S169	13723264	3269980
S170	13723351	3270030
S171	13723263	3270030
S172	13723350	3270080
S173	13723263	3270080
S174	13723350	3270130
S175	13723262	3270130
S176	13723350	3270180
S177	13723262	3270180
S178	13723349	3270230
S179	13723262	3270230

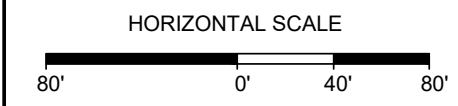
Name	Northing	Easting
S180	13723349	3270280
S181	13723261	3270280
S182	13723349	3270330
S183	13723261	3270330
S184	13723348	3270380
S185	13723261	3270380
S186	13723348	3270430
S187	13723260	3270430
S188	13723348	3270480
S189	13723260	3270480
S190	13723303	3270520

**SITE 1 - BREAKWATERS**  
 CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 1 - BREAKWATER 04 SURVEY PLAN VIEW  
 GALVESTON COUNTY, TEXAS



LEGEND	
	BREAKWATER ALIGNMENT
	BREAKWATER TEMPLATE
	SURVEYED CROSS-SECTION

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



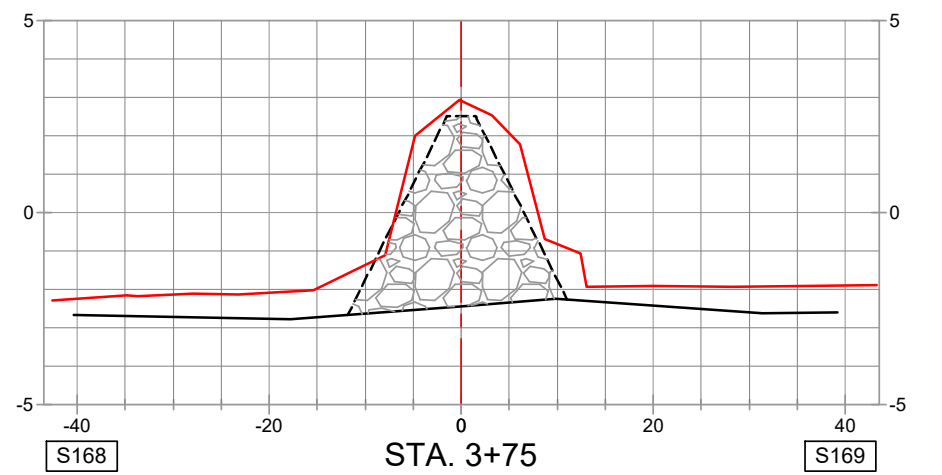
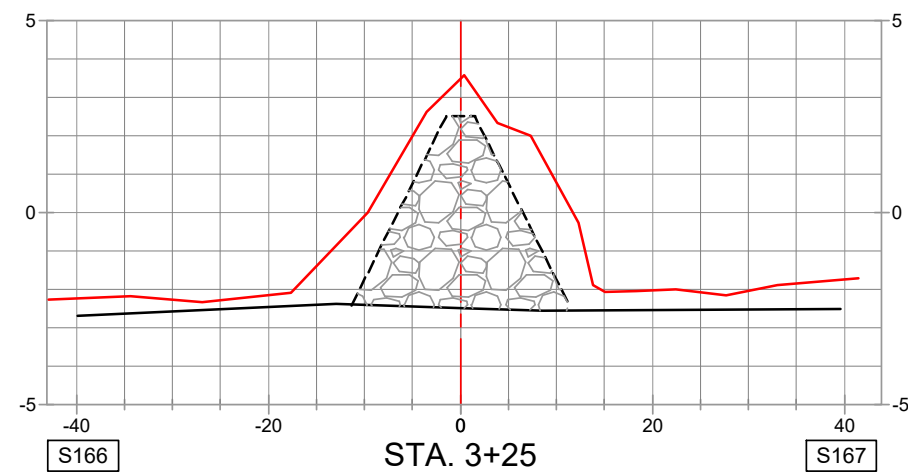
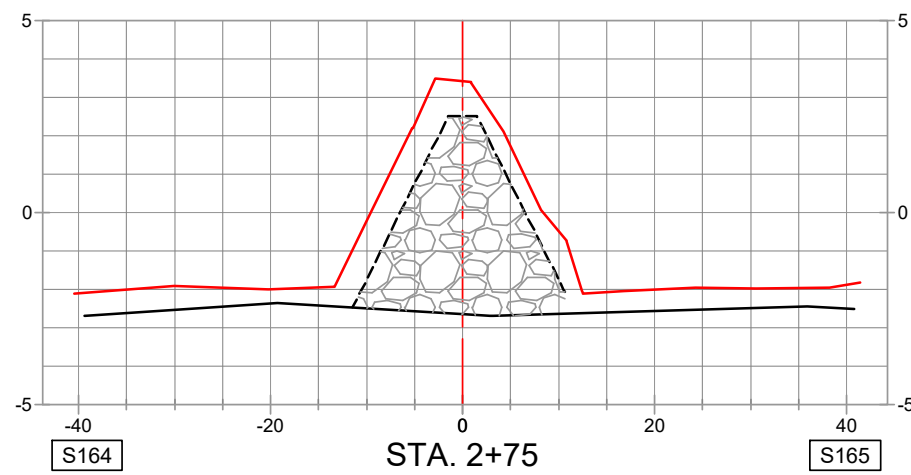
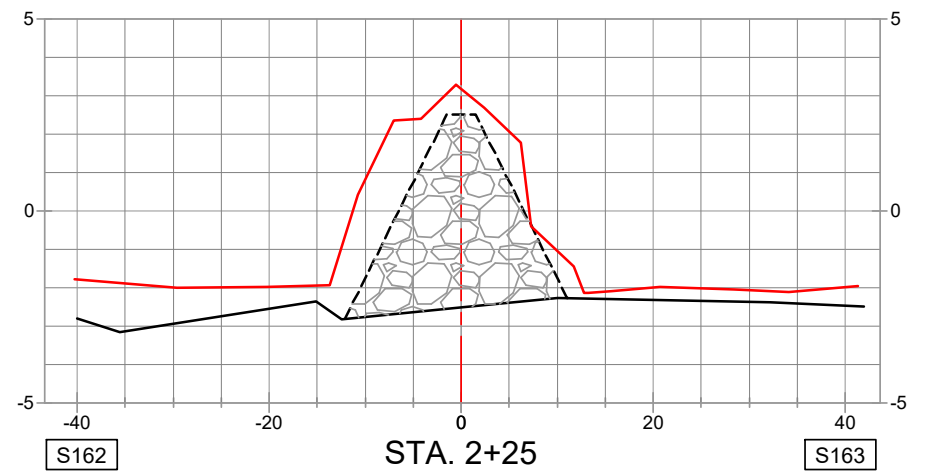
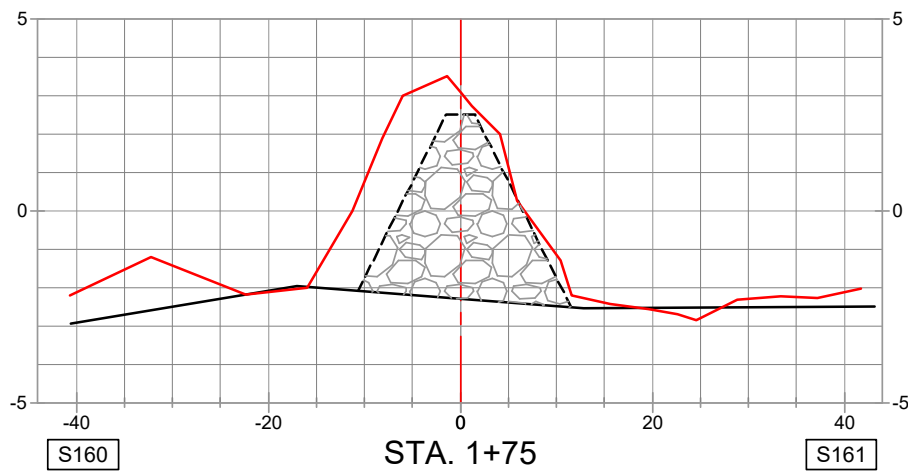
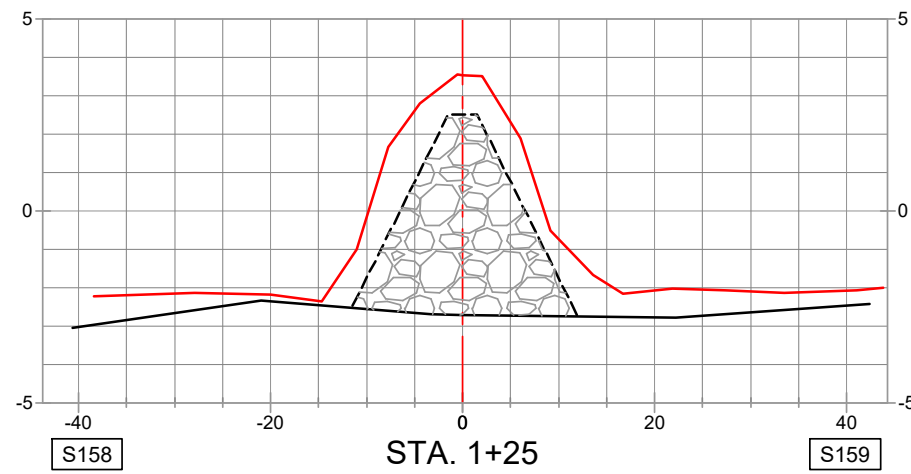
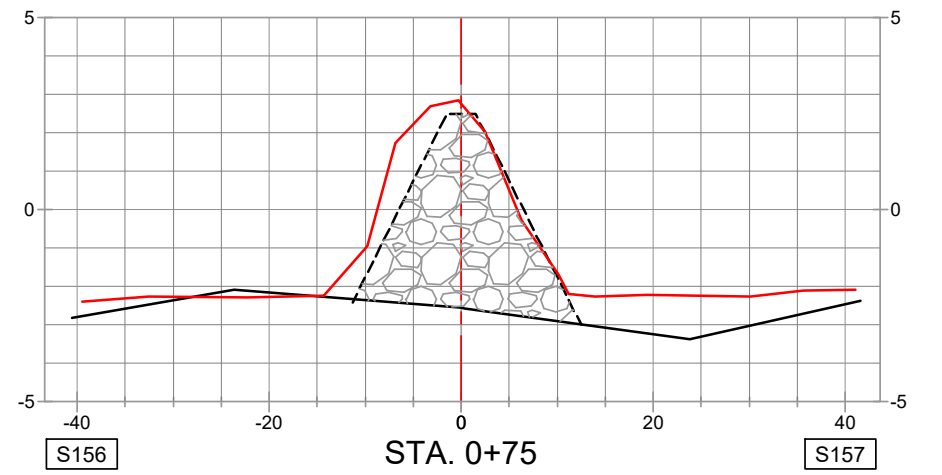
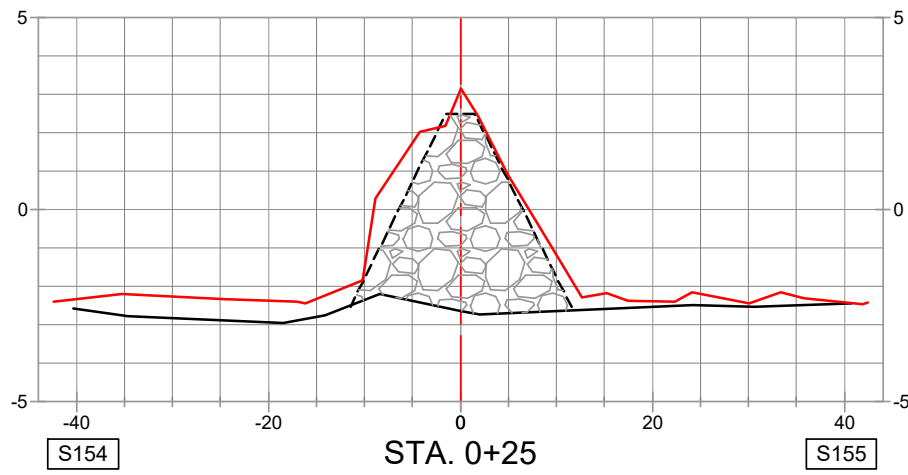
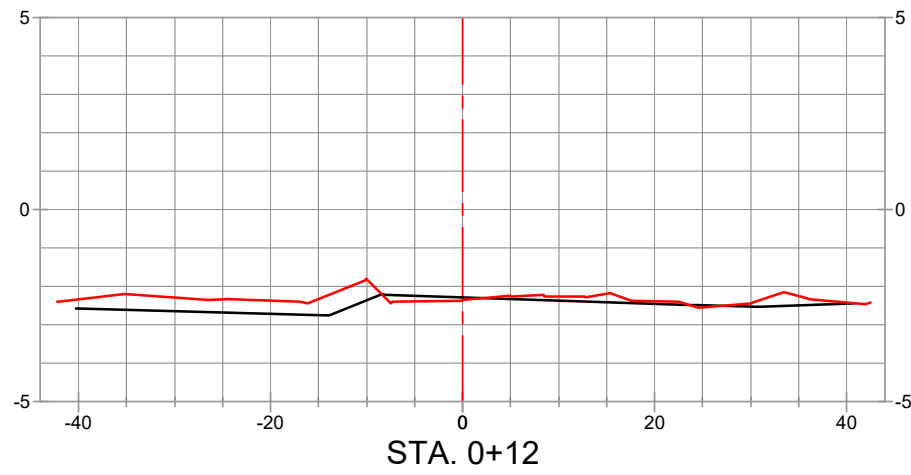
DATE: 06/09/2021 JOB# 2201113



PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg





**NOTES**

- 1.) BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

- PRE-CONSTRUCTION SURVEY (01/25/2021)
- AS-BUILT SURVEY (04/07/2021)
- - - TEMPLATE
- [Hatched Box] VOLUME IN PLACE WITHIN TEMPLATE
- - - BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE  
 20' 0' 10' 20'

VERTICAL SCALE  
 5' 0' 2.5' 5'

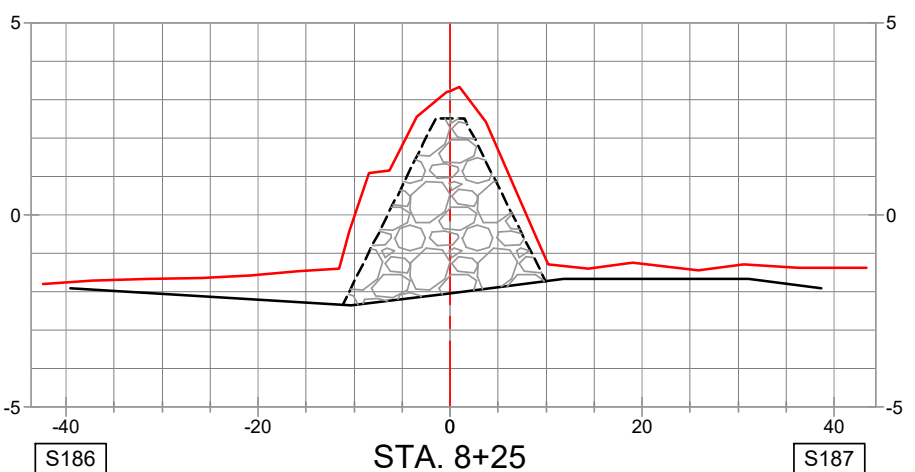
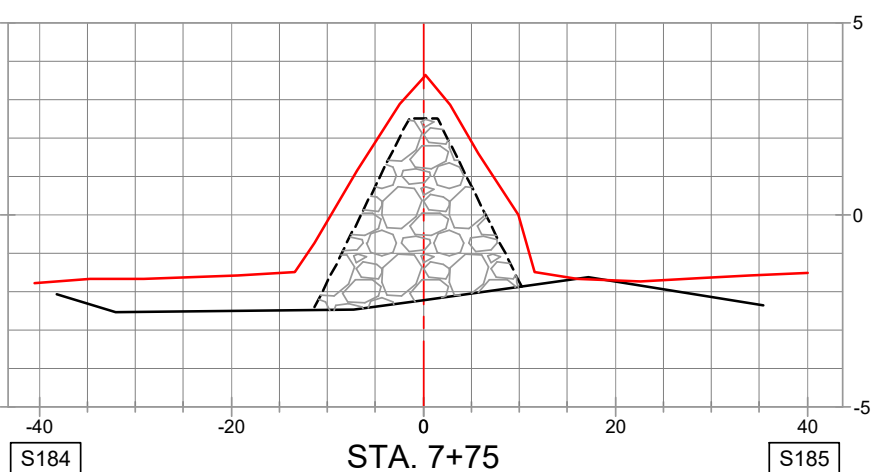
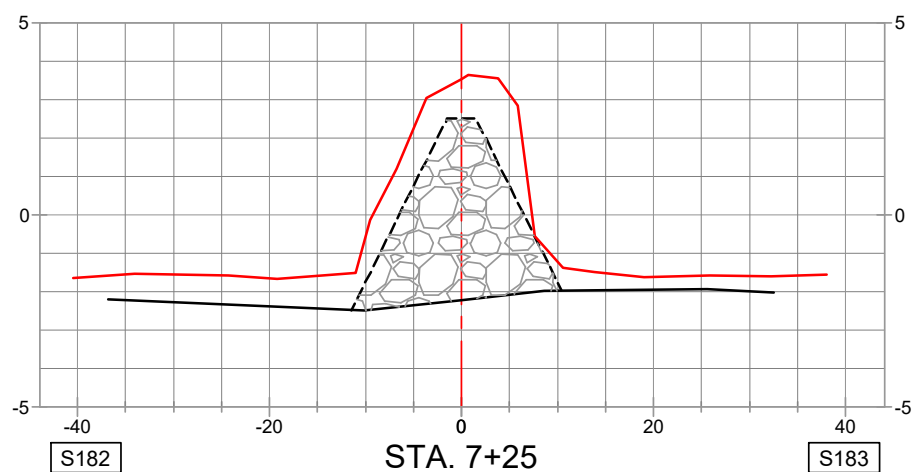
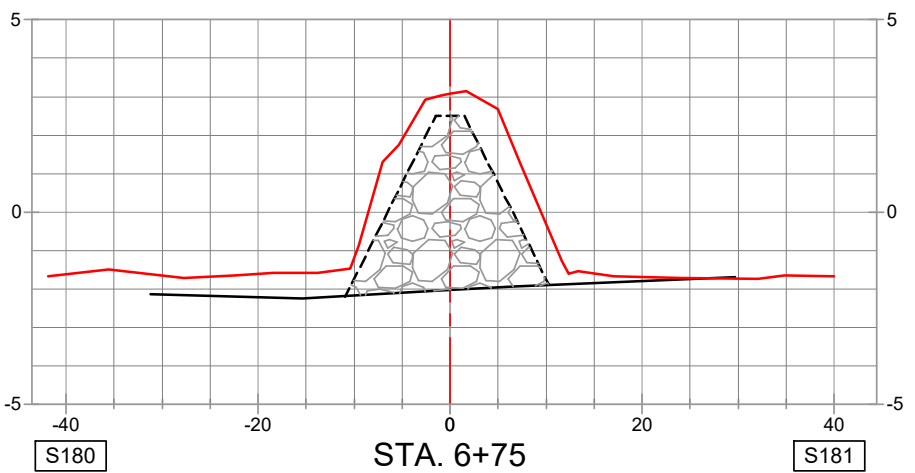
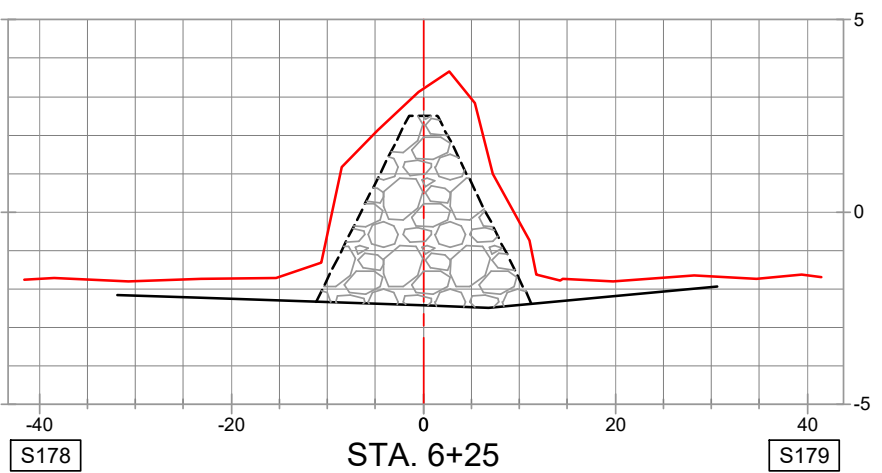
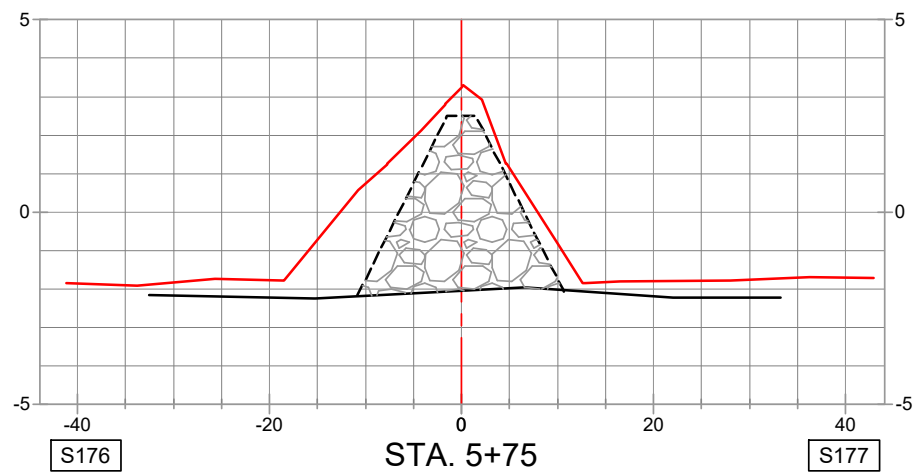
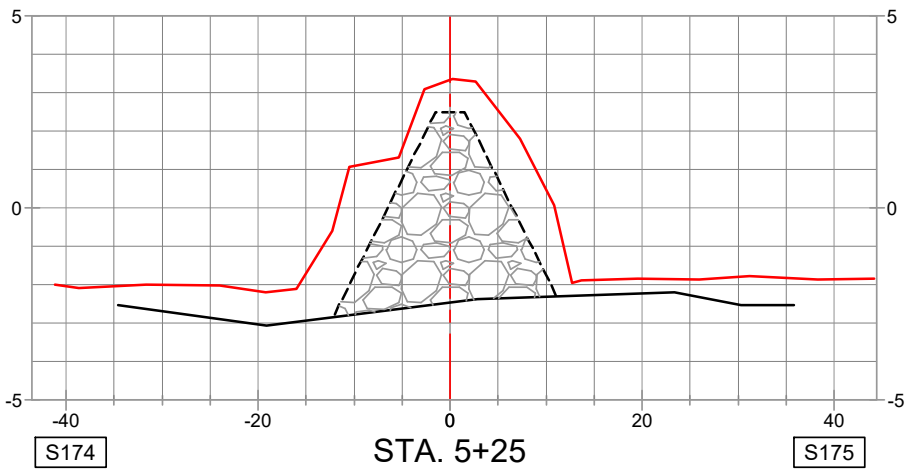
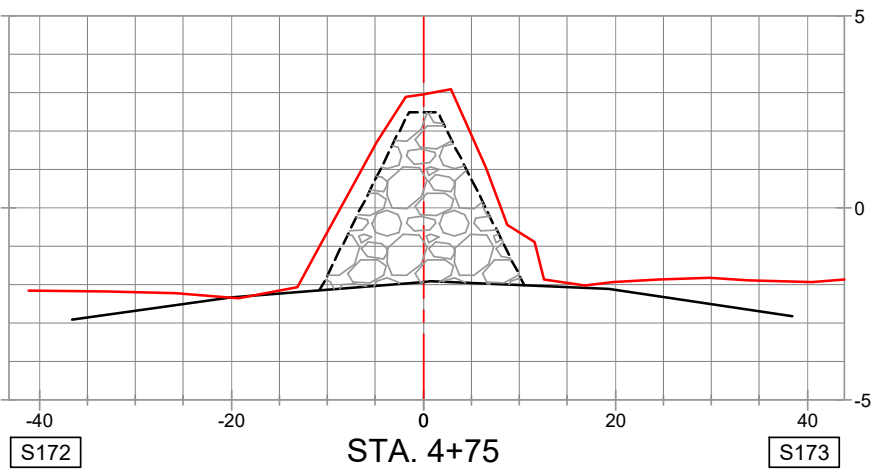
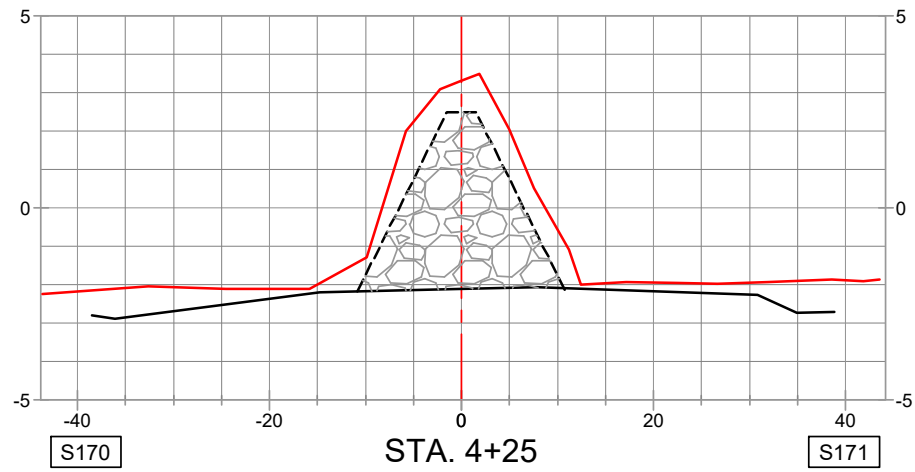
DATE: 06/09/2021 JOB# 2201113

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Built.dwg

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 1 BREAKWATER 04 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS

SHEET: 17 OF 112



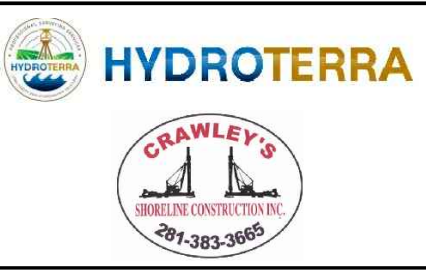
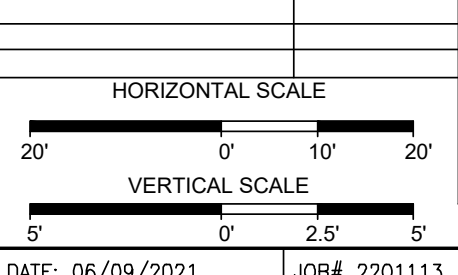
**NOTES**

- 1.) BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

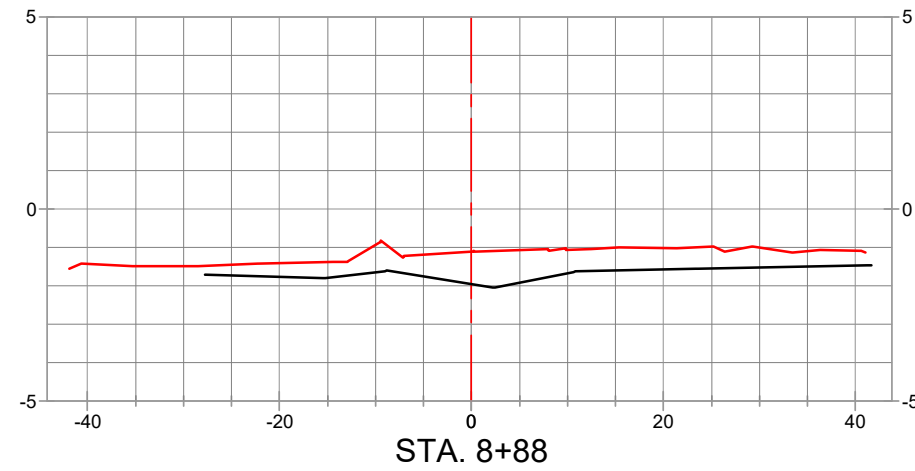
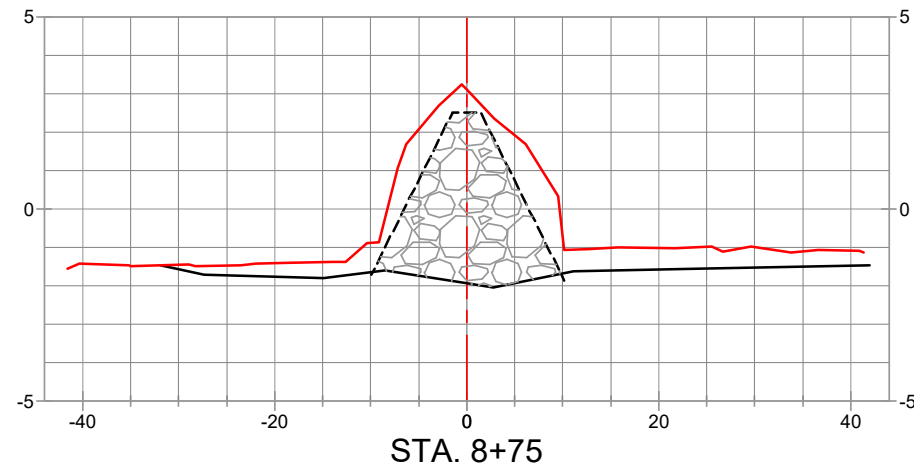
**LEGEND**

- PRE-CONSTRUCTION SURVEY (01/25/2021)
- AS-BUILT SURVEY (04/07/2021)
- TEMPLATE
- VOLUME IN PLACE WITHIN TEMPLATE
- BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



**CRAWLEY'S SHORELINE CONSTRUCTION INC.**  
**COMPILED AS-BUILTS**  
**GALVESTON BAY FOUNDATION**  
**DOLLAR BAY MARSH RESTORATION**  
 SITE 1 BREAKWATER 04 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS



SITE 1 - BW04 VOLUME IN PLACE WITHIN TEMPLATE			
Station	Area	Volume	Cumulative Volume
0+12.30	0.00	0.00	0.00
0+25.00	65.45	15.39	15.39
0+75.00	65.90	121.63	137.02
1+25.00	69.30	125.20	262.22
1+75.00	60.58	120.27	382.48
2+25.00	65.65	116.89	499.37
2+75.31	67.37	123.92	623.29
3+25.01	64.60	121.47	744.76
3+75.01	63.35	118.47	863.23
4+25.01	56.43	110.90	974.14
4+75.01	53.92	102.18	1076.31
5+25.01	65.06	110.17	1186.48
5+75.21	55.45	112.03	1298.51
6+25.01	63.13	109.35	1407.86
6+75.02	54.90	109.29	1517.15
7+25.02	59.00	105.47	1622.62
7+75.02	58.86	109.13	1731.75
8+25.02	55.10	105.52	1837.27
8+75.02	50.30	97.60	1934.87
8+87.72	0.00	11.83	1946.70



**NOTES**

- BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

- PRE-CONSTRUCTION SURVEY (01/25/2021)
- AS-BUILT SURVEY (04/07/2021)
- - - TEMPLATE
- VOLUME IN PLACE WITHIN TEMPLATE
- · - · BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE  

 VERTICAL SCALE

DATE: 06/09/2021 JOB# 2201113

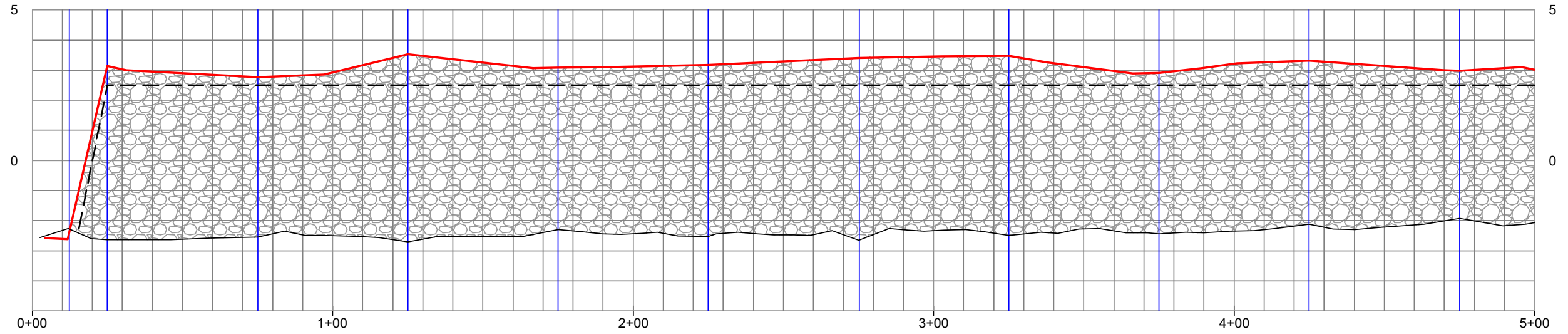
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

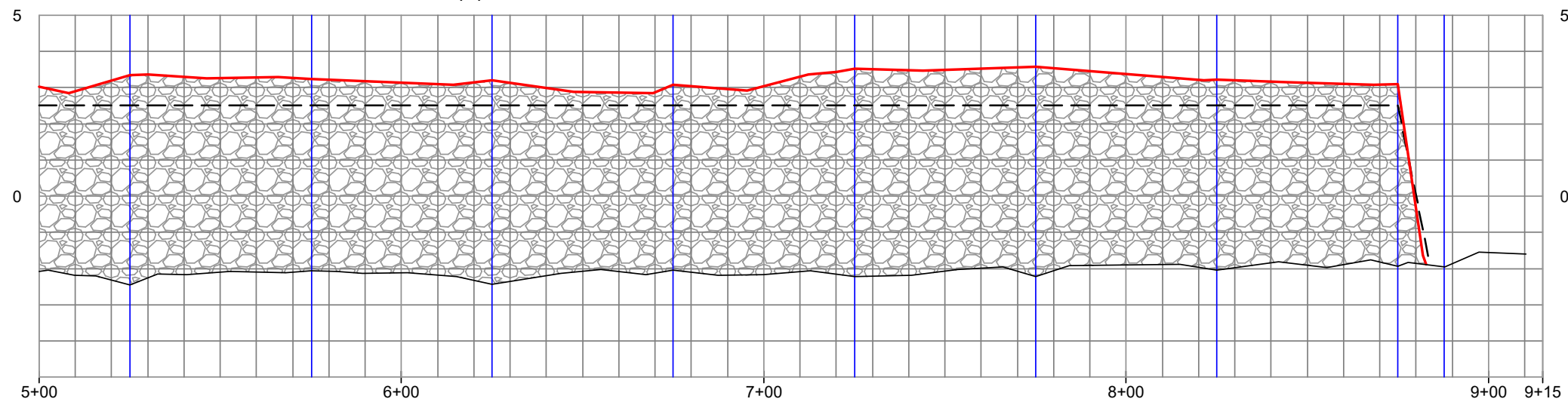
CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 1 BREAKWATER 04 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS

SHEET: 19 OF 112

SITE 1 - BREAKWATER 04 PROFILE



SITE 1 - BREAKWATER 04 PROFILE (1)



**NOTES**

- BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

- PRE-CONSTRUCTION SURVEY
- AS-BUILT SURVEY
- - - TEMPLATE
- [Hatched Box] VOLUME IN PLACE
- | SURVEYED CROSS-SECTION

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE  
40' 0' 20' 40'

VERTICAL SCALE  
4' 0' 2' 4'

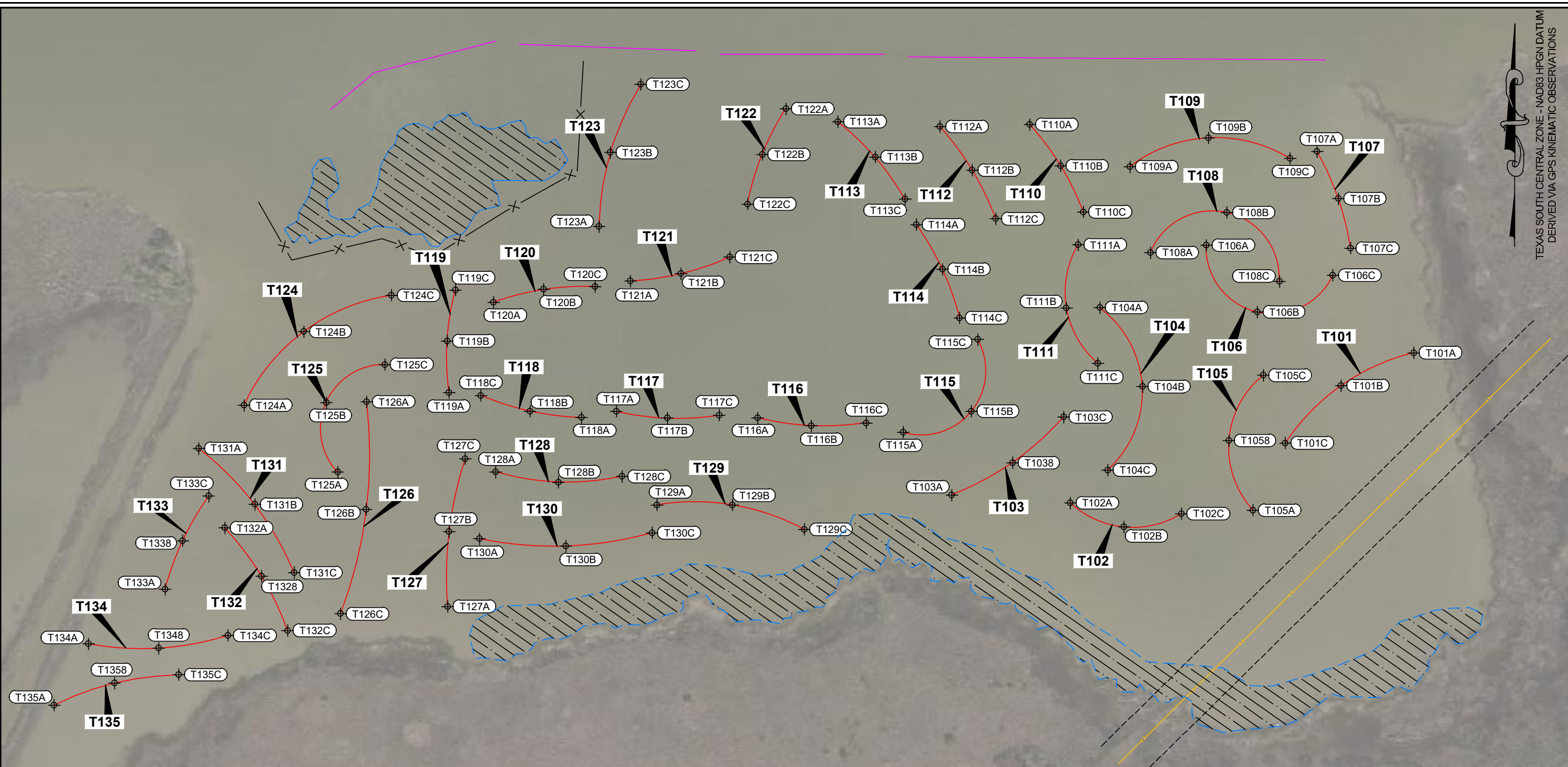
DATE: 06/09/2021 JOB# 2201113

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 1 BREAKWATER 04 PROFILE VIEW  
 GALVESTON COUNTY, TEXAS

SHEET: 20 OF 112



**SITE 1 - TERRACES**

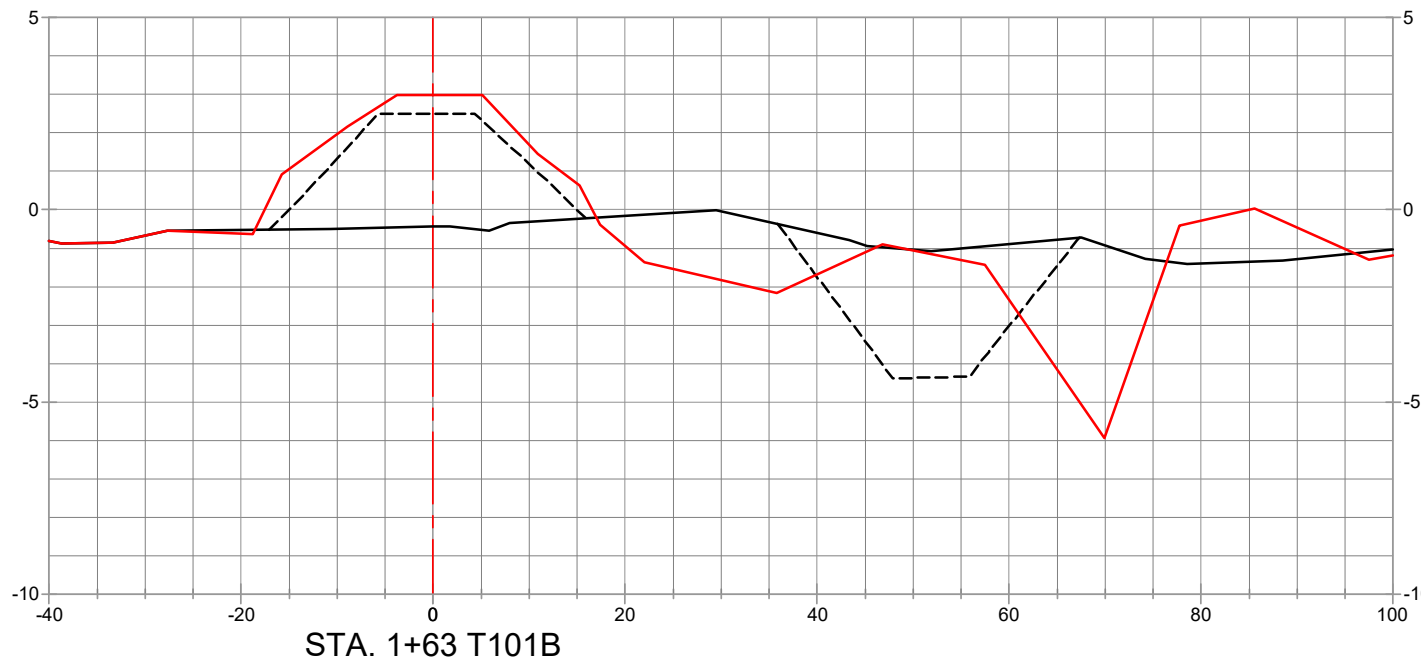
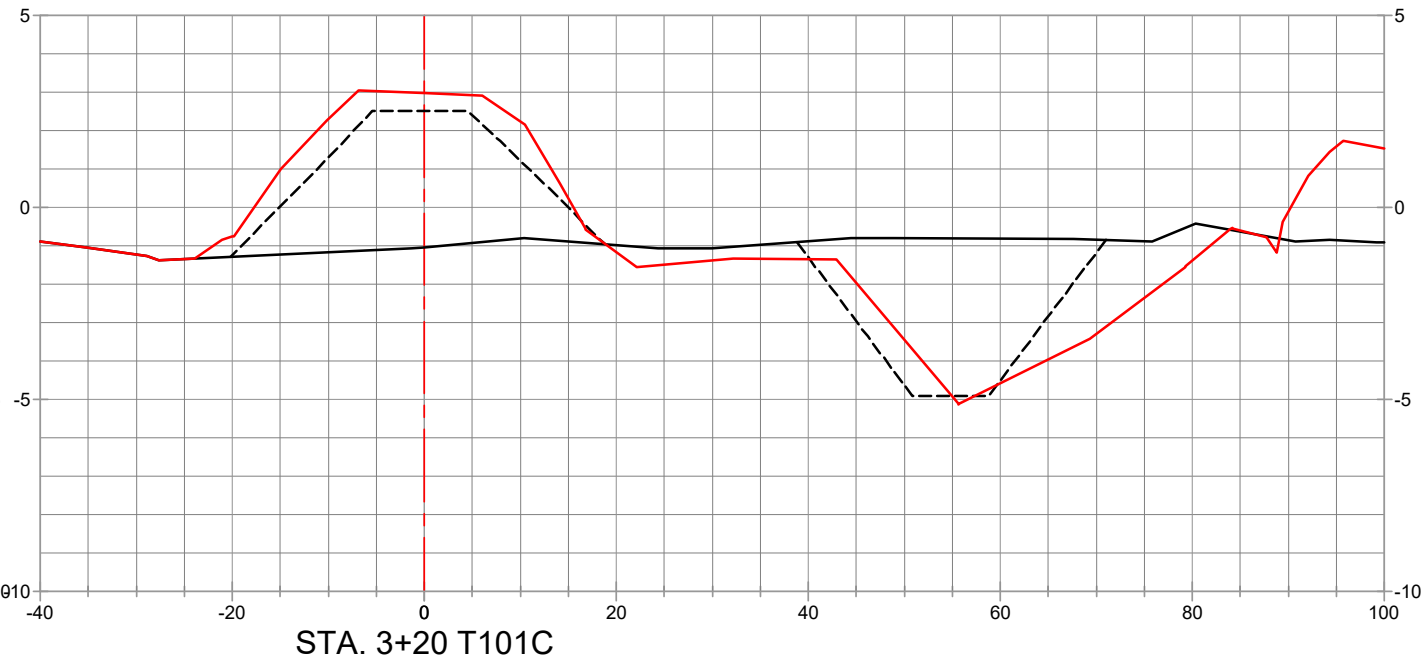
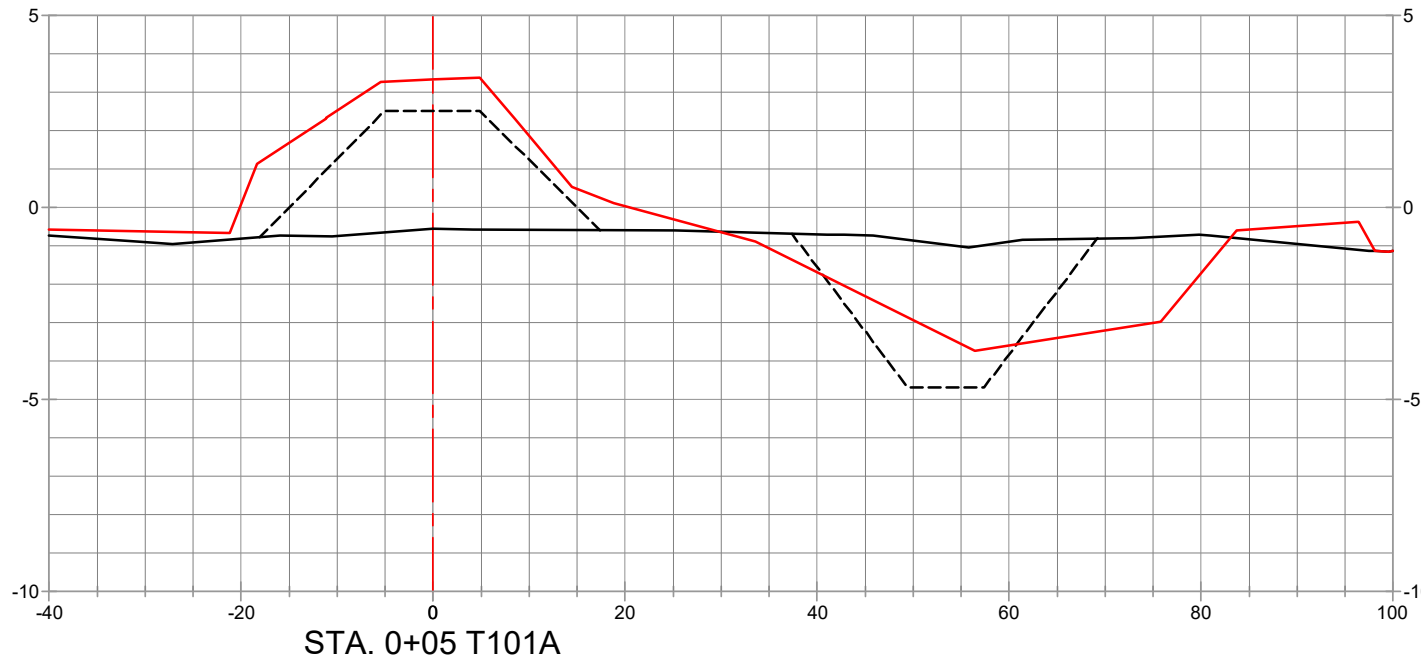
CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 1 - TERRACES PLAN VIEW  
 GALVESTON COUNTY, TEXAS



LEGEND	
	PROPOSED TERRACES
	EXISTING PIPELINE
	PIPELINE BUFFER
	PROPOSED BREAKWATERS
	ENVIRONMENTALLY SENSITIVE AREA
	PROPOSED SILT FENCE

REVISED BY:	DATE:
HORIZONTAL SCALE	

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583



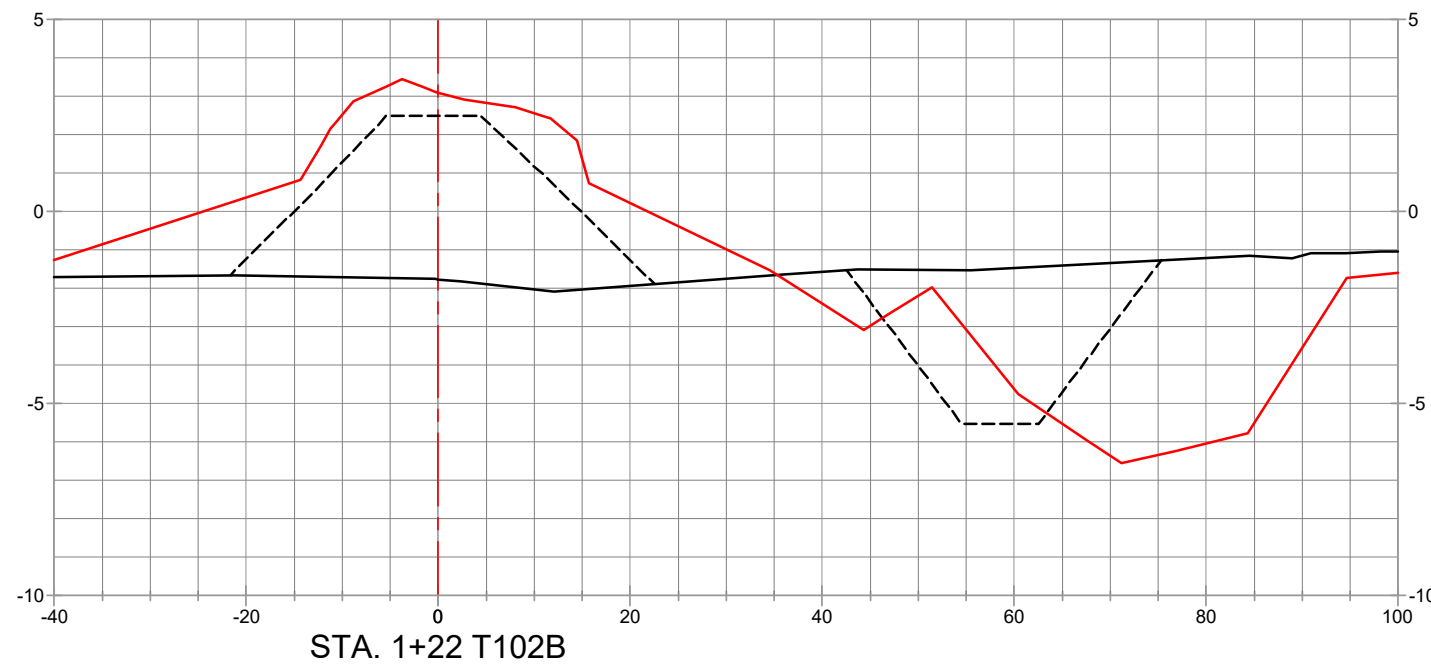
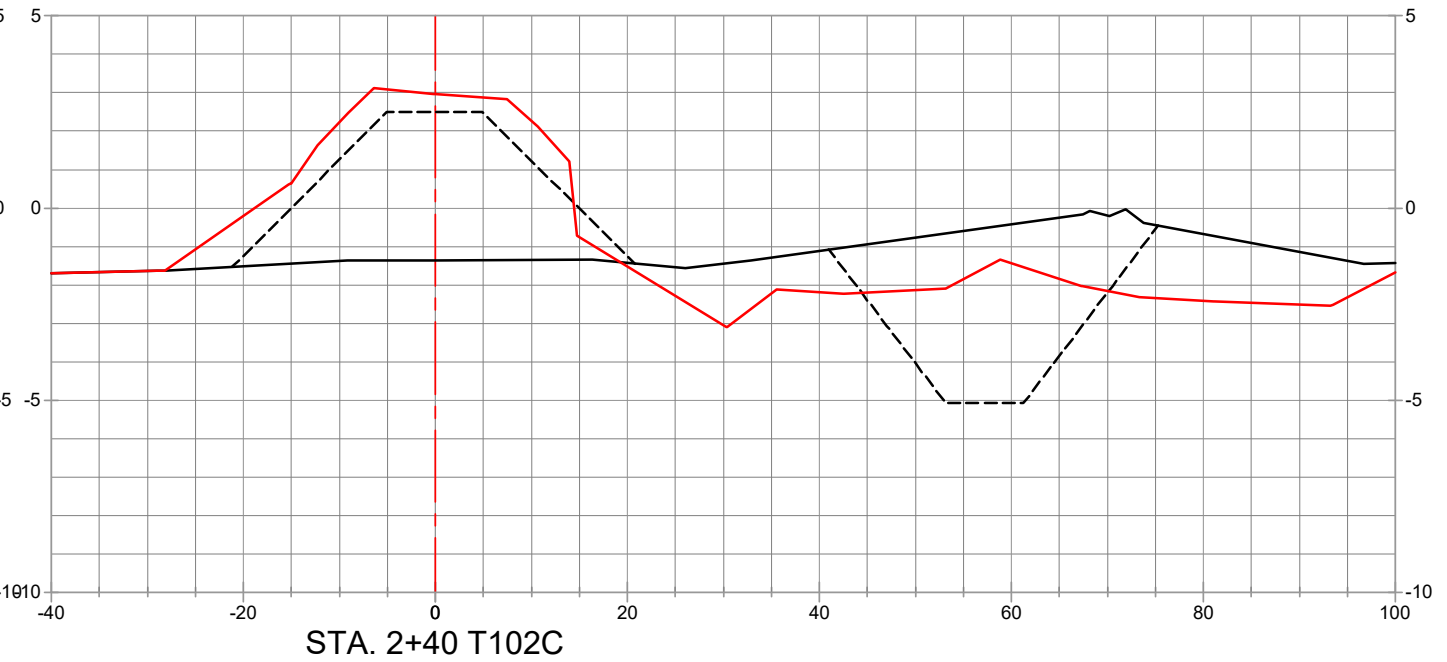
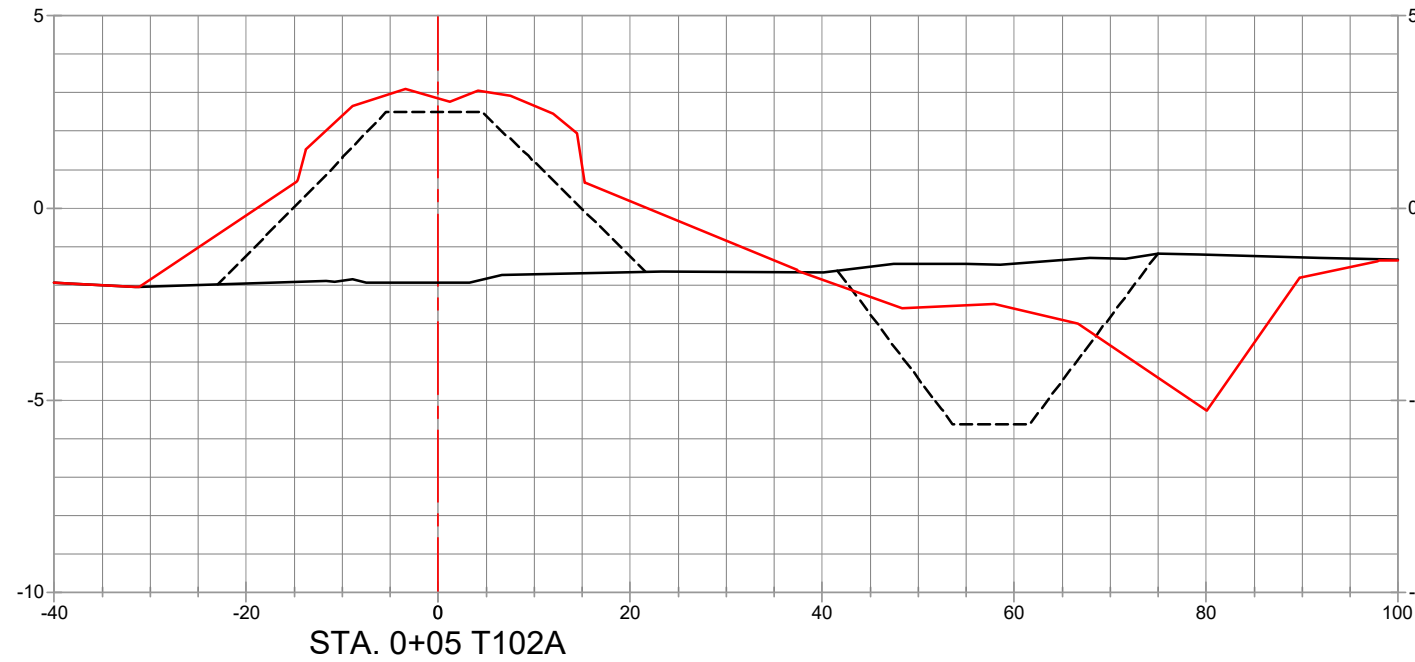
LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/22/2021)

REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

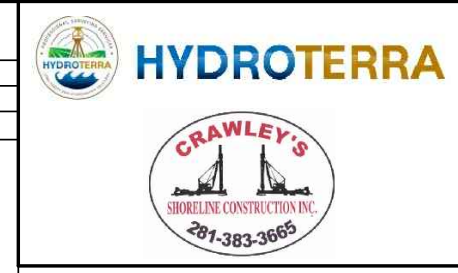
**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T101 SECTIONS  
 GALVESTON COUNTY, TEXAS



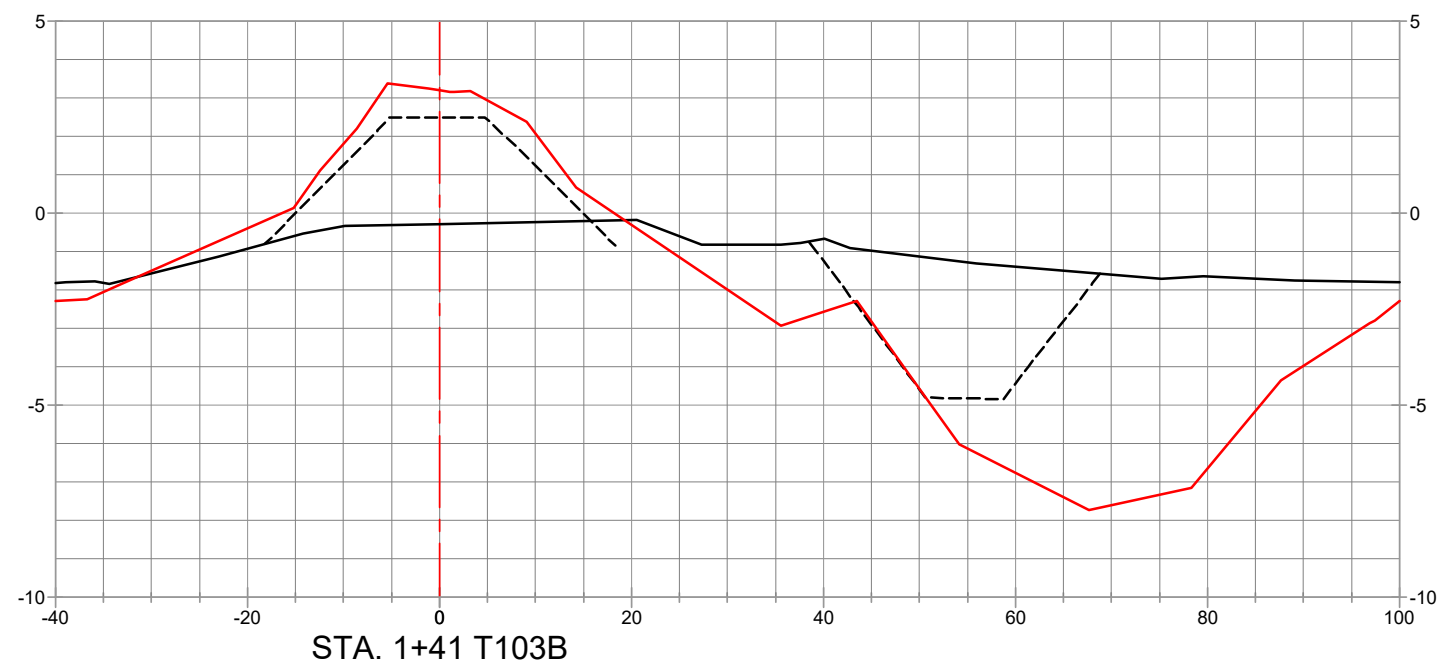
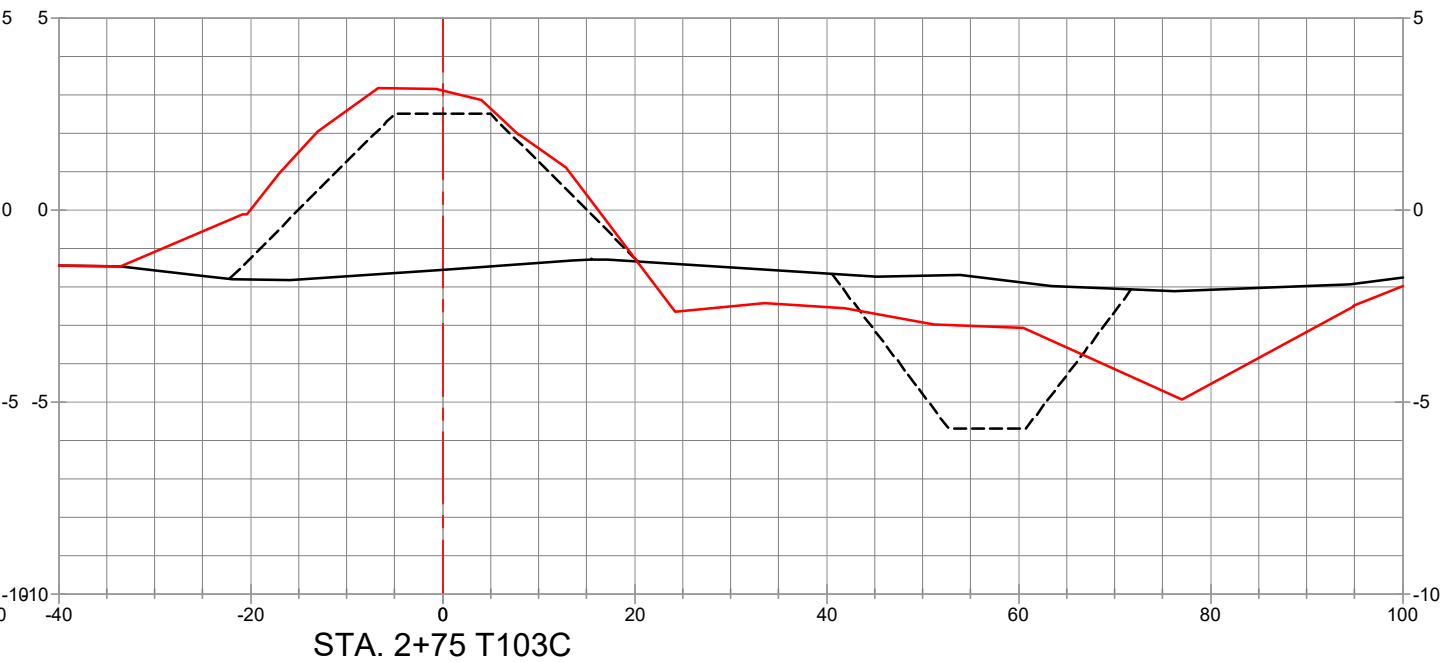
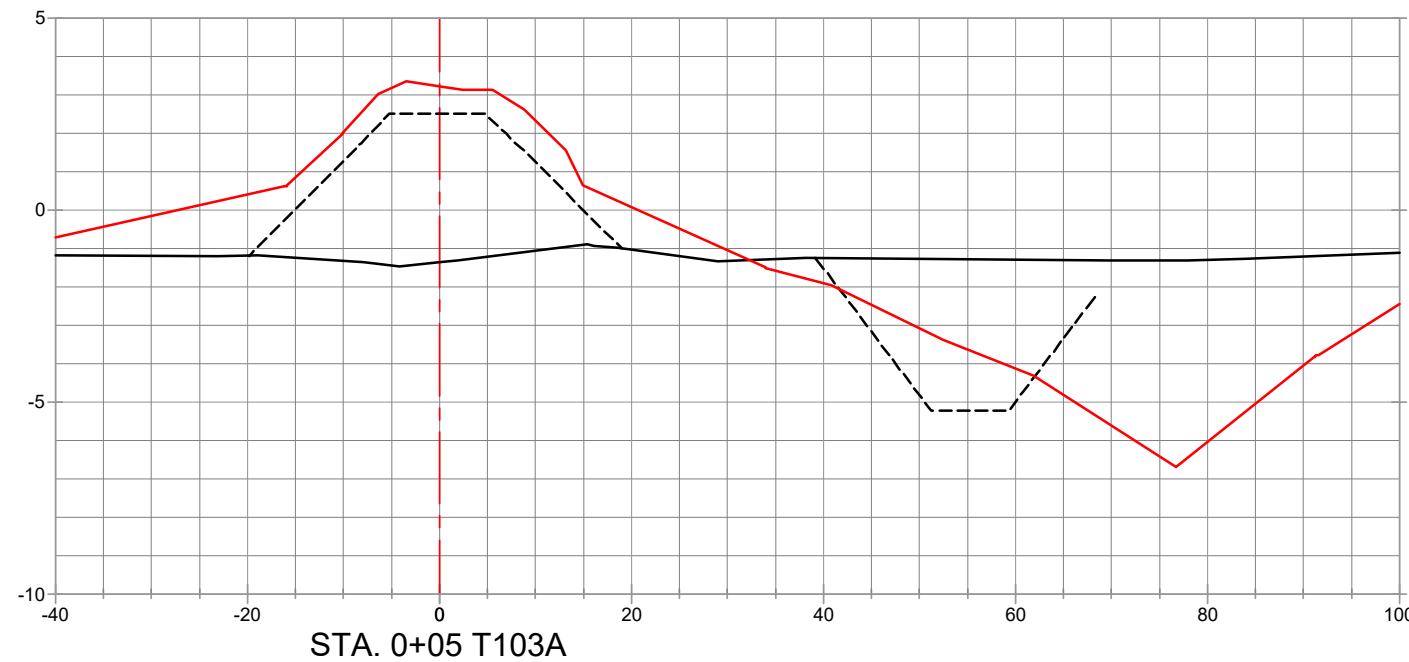
LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/22/2021)

REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113



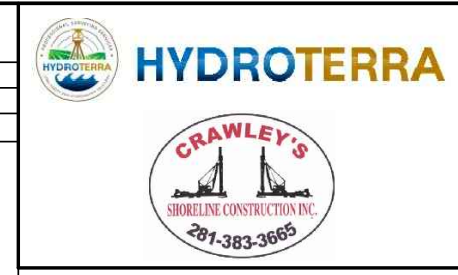
**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
**COMPILED AS-BUILTS**  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T102 SECTIONS  
 GALVESTON COUNTY, TEXAS



LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/22/2021)

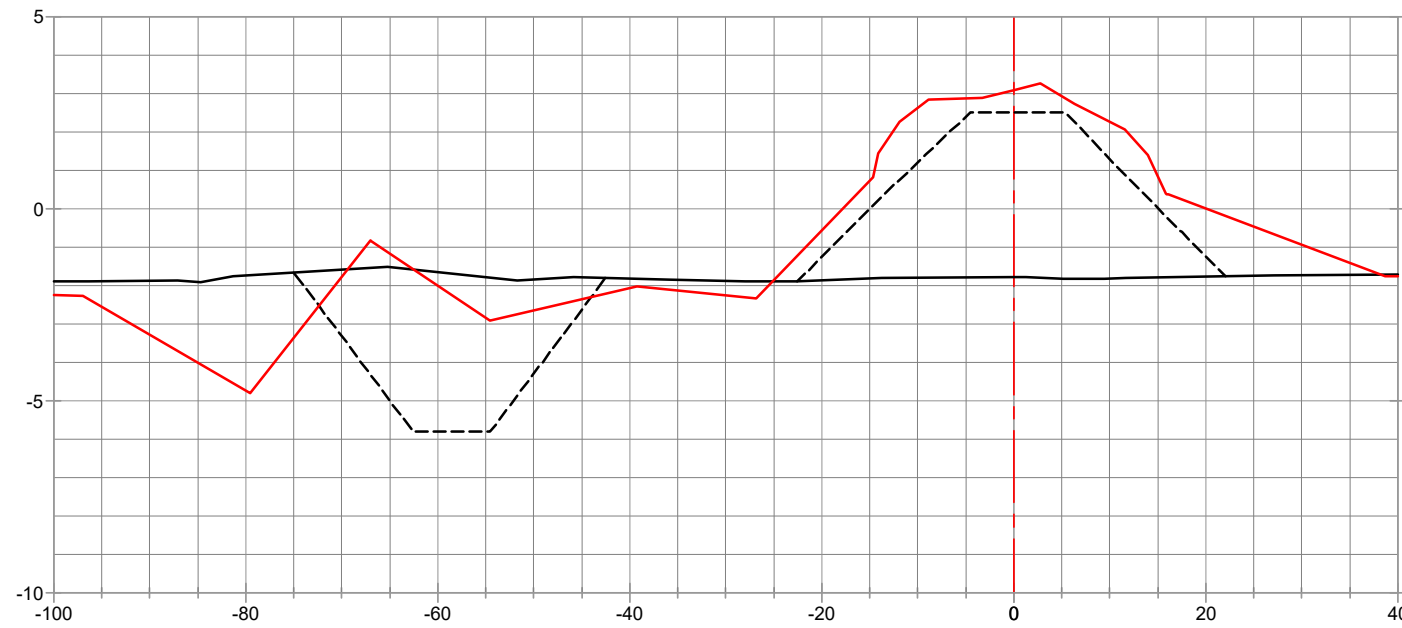
REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113



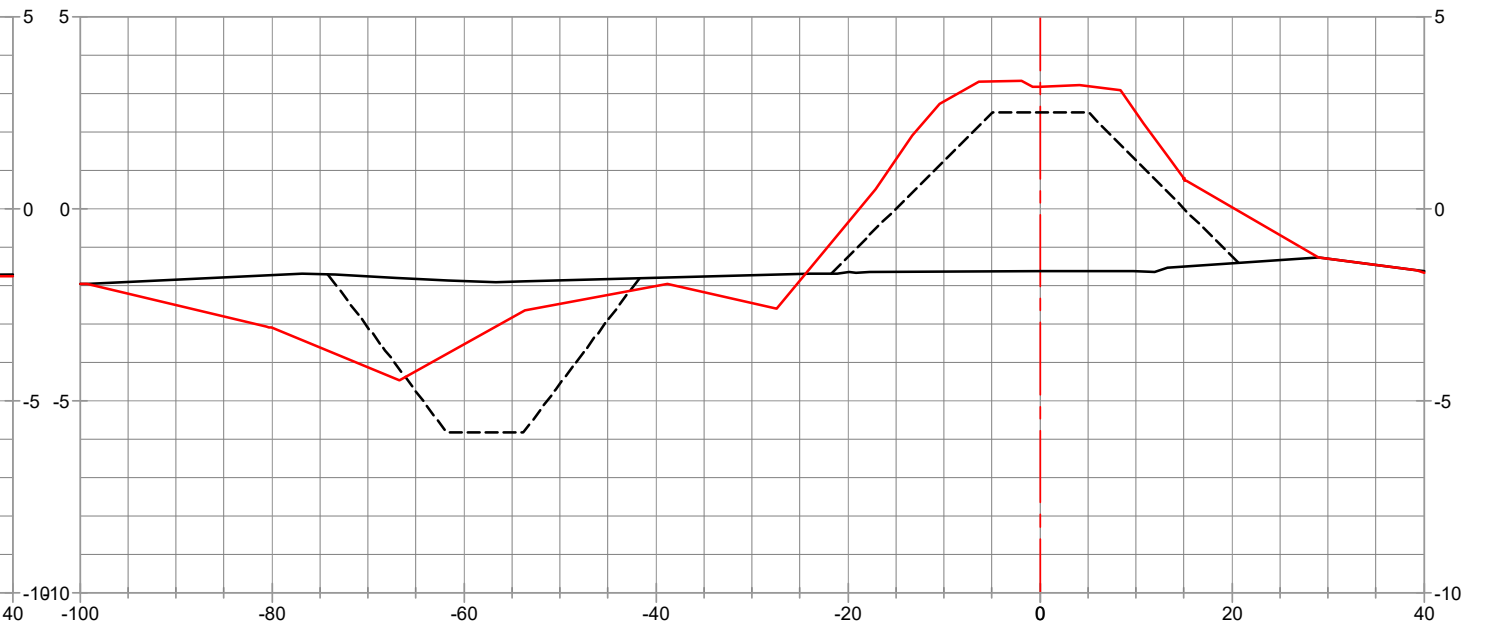
**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
**COMPILED AS-BUILTS**  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T103 SECTIONS  
 GALVESTON COUNTY, TEXAS

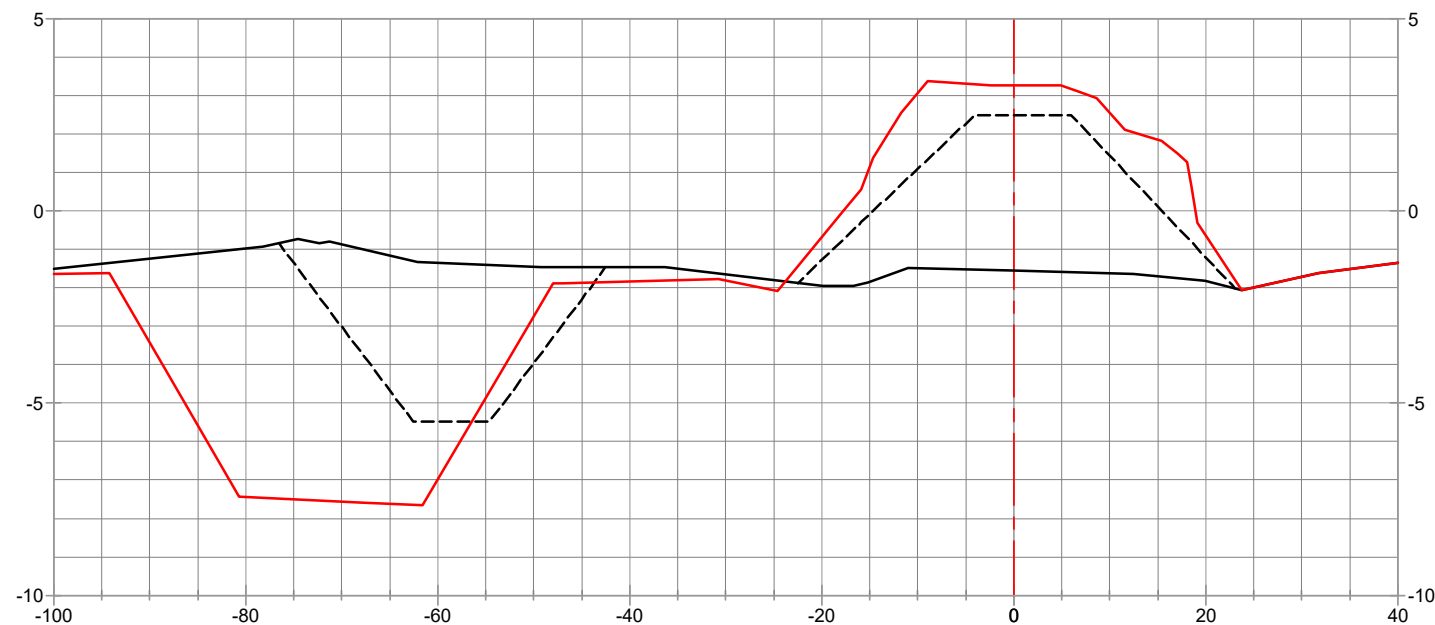




STA. 0+05 T104C



STA. 3+75 T104A



STA. 1+89 T104B



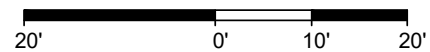
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (04/22/2021)

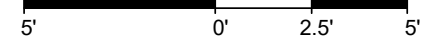
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T104 SECTIONS  
 GALVESTON COUNTY, TEXAS

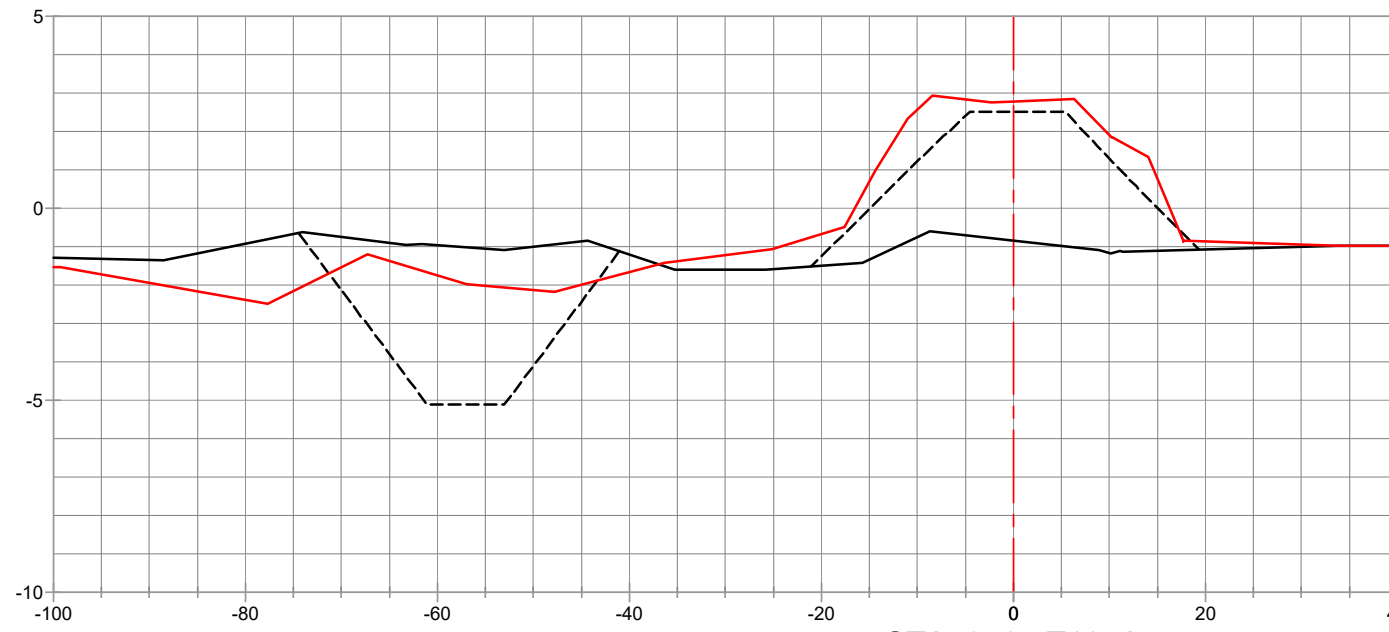
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

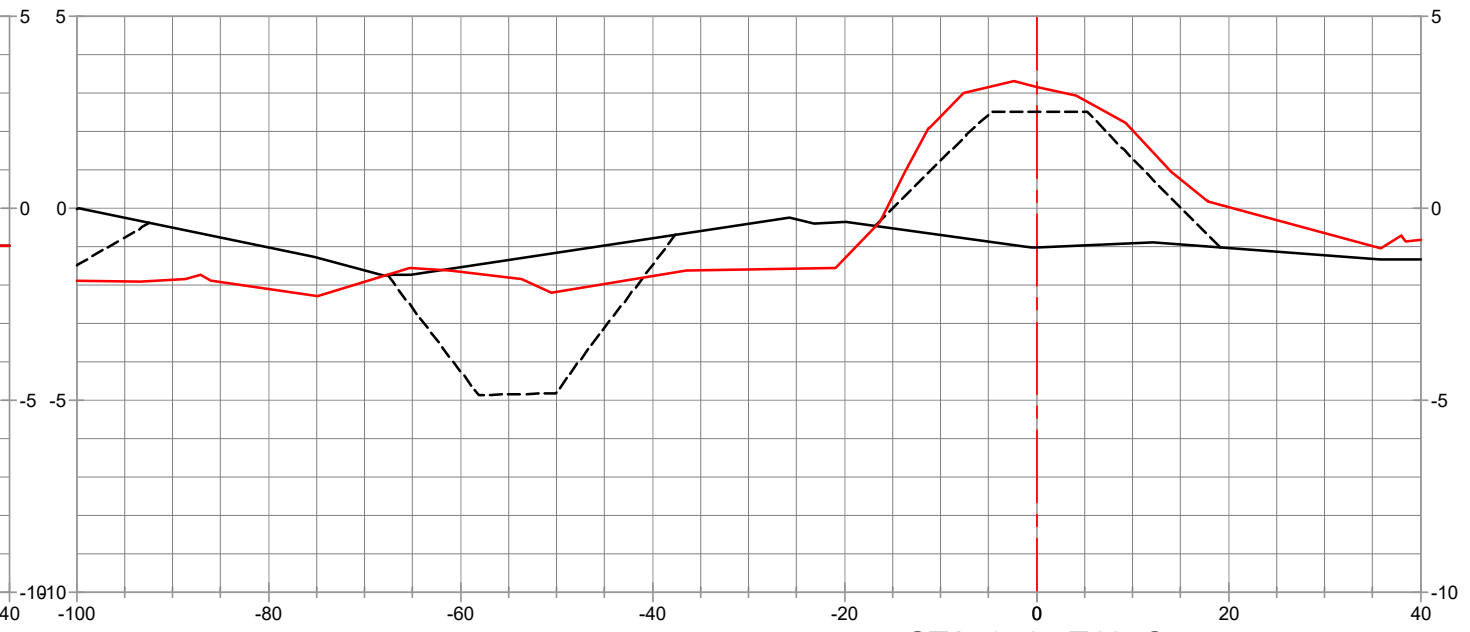
JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

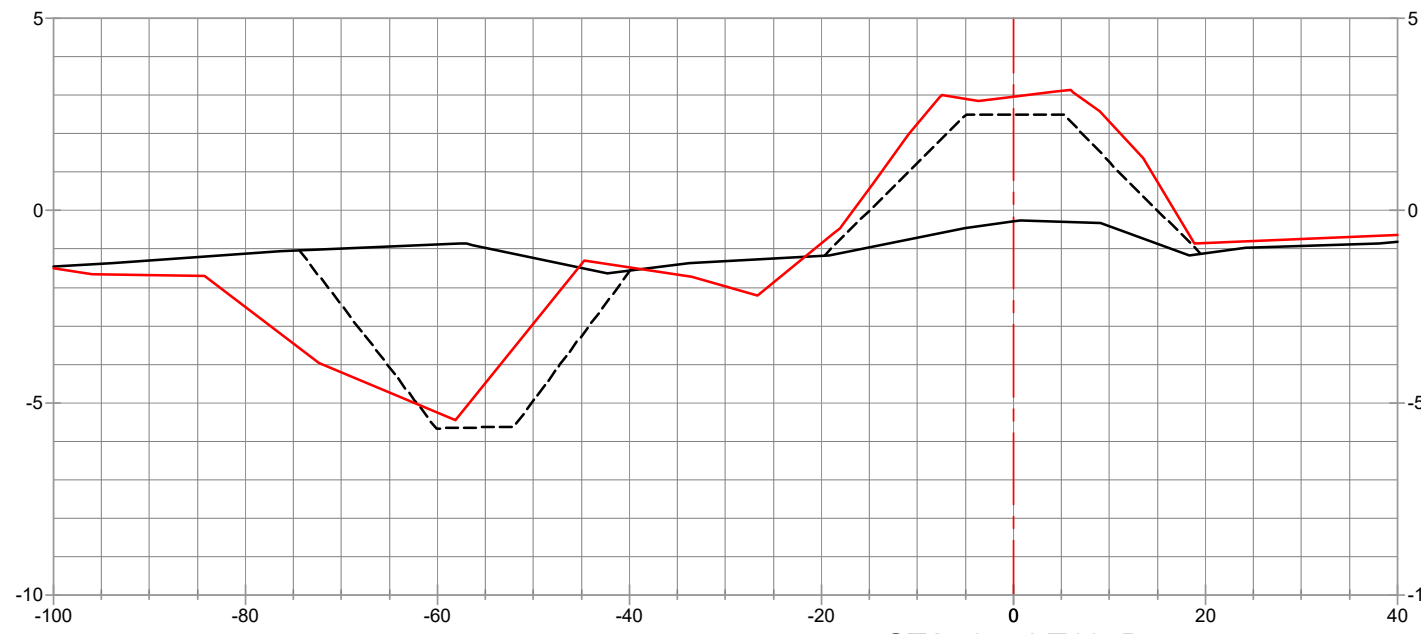
SHEET:25 OF 112



STA. 0+05 T105A



STA. 3+05 T105C

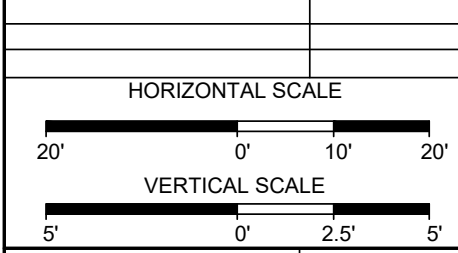


STA. 1+54 T105B



LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/22/2021)

REVISED BY:	DATE:



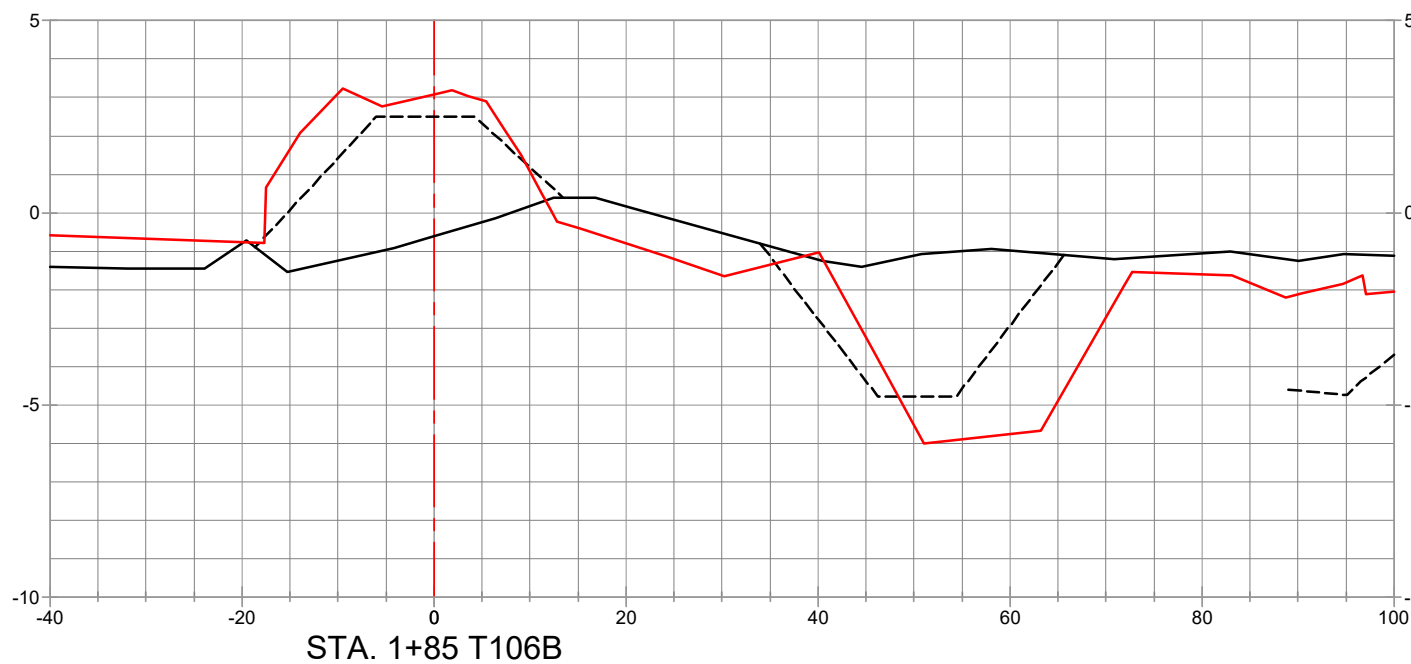
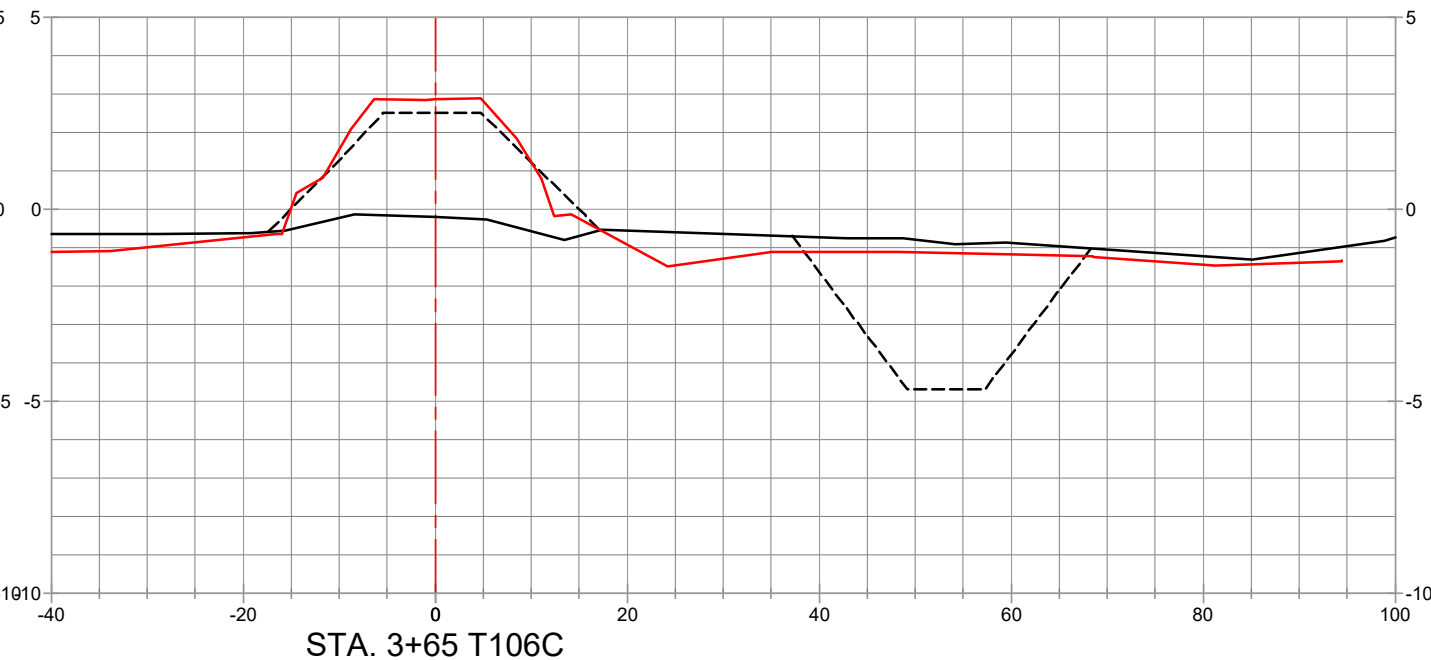
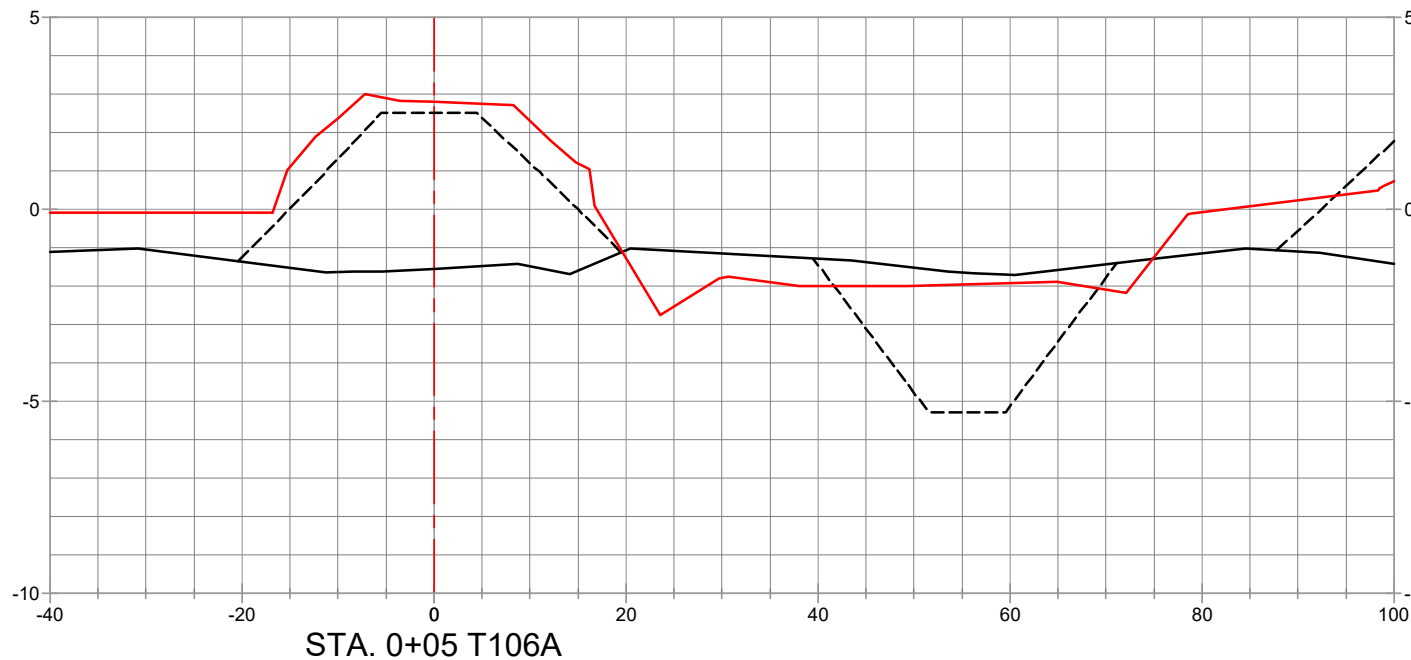
DATE: 06/09/2021	JOB# 2201113
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PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

**SITE 1 - TERRACES**  
 CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 T105 SECTIONS  
 GALVESTON COUNTY, TEXAS



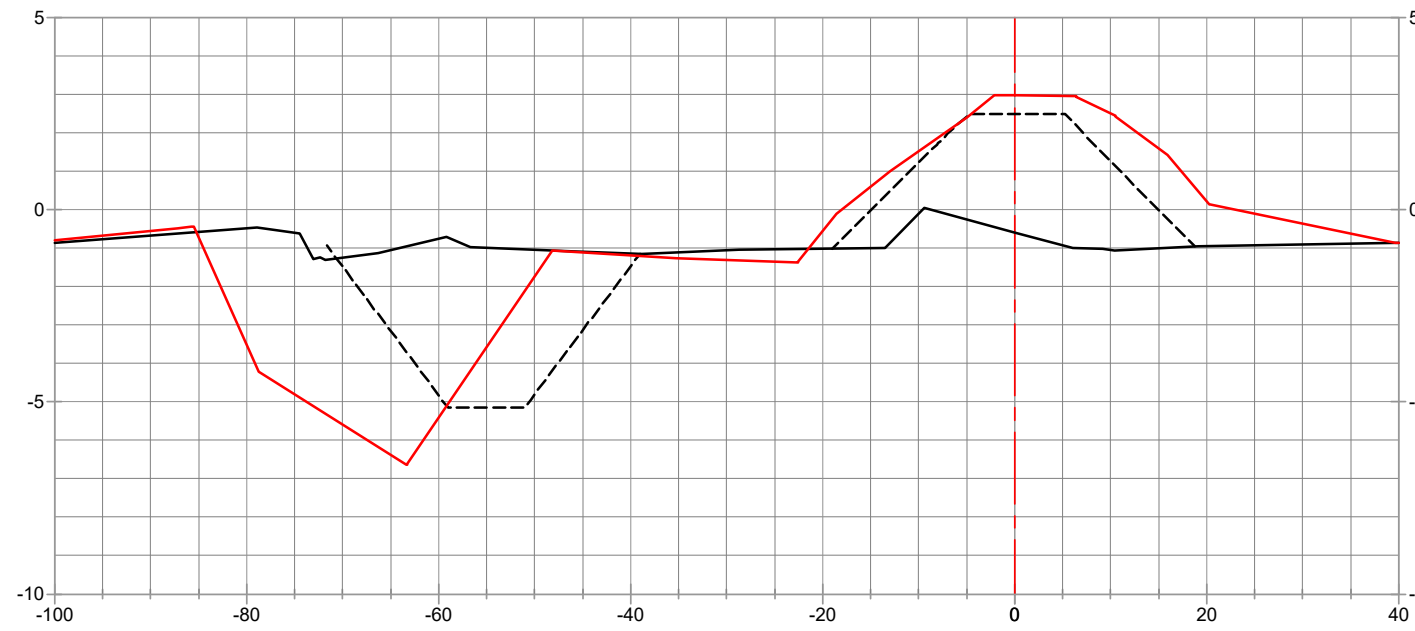
LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/22/2021)

REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113

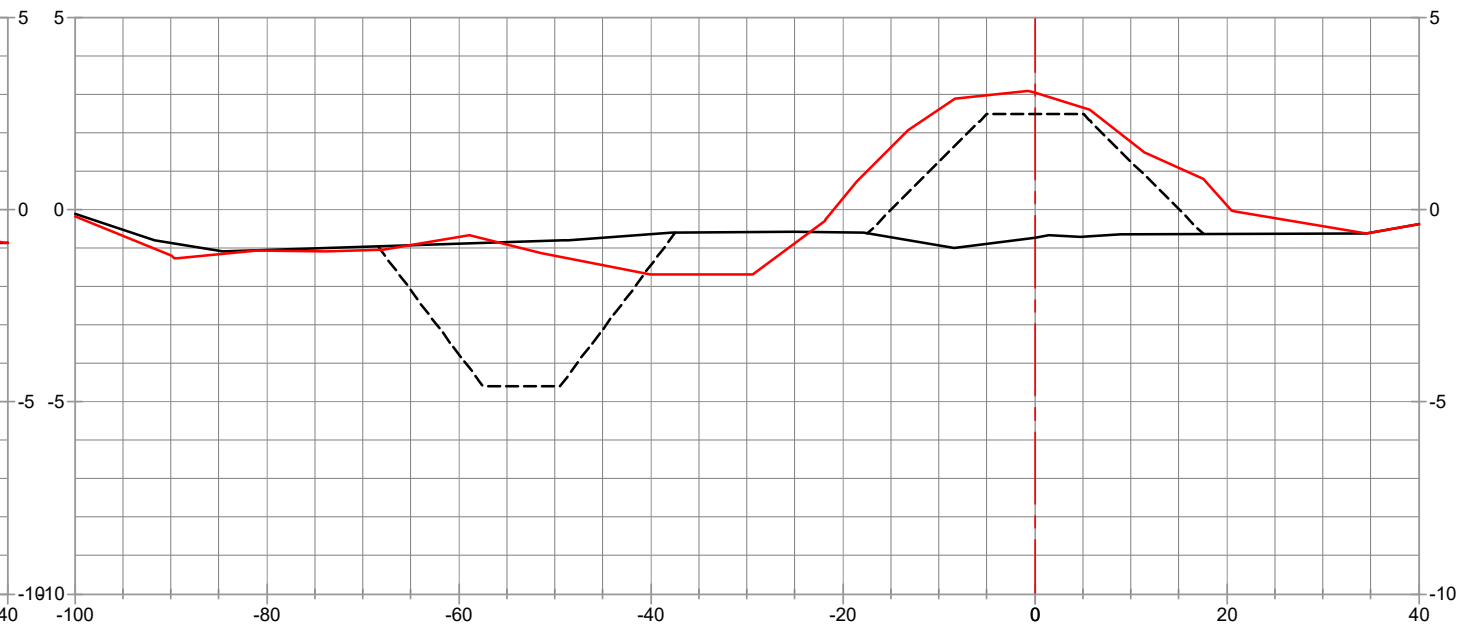
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

**SITE 1 - TERRACES**

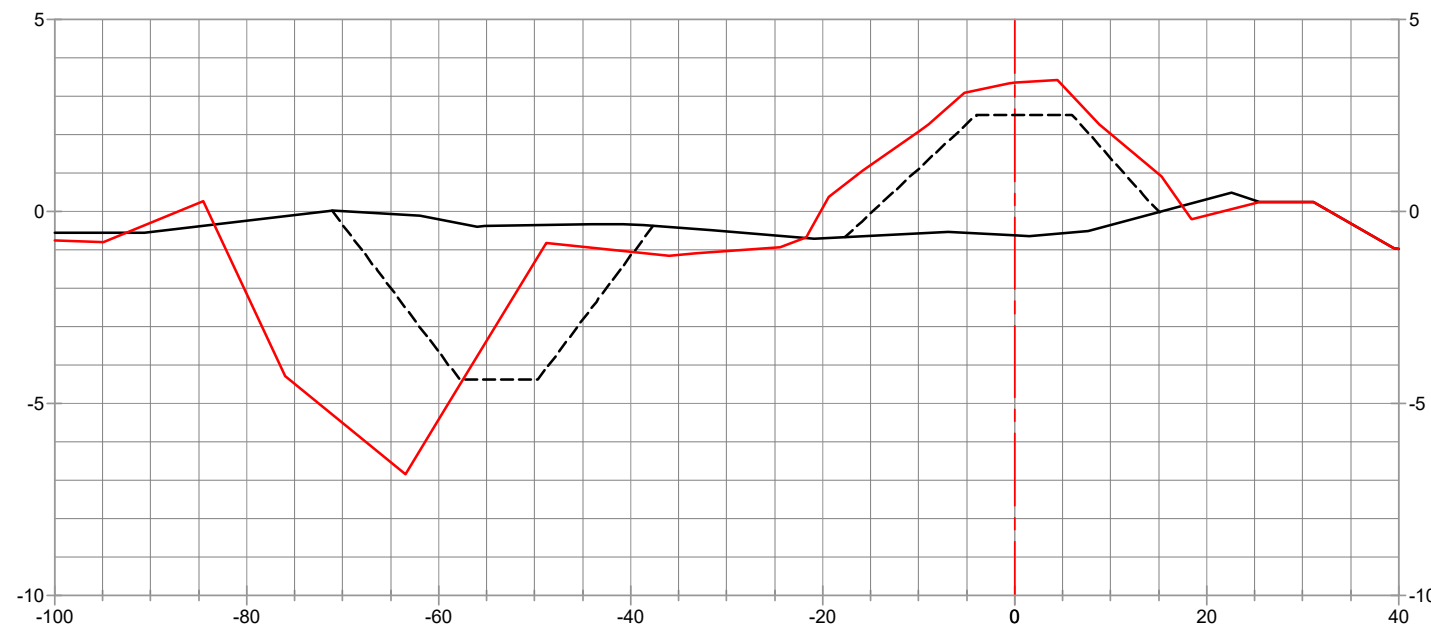
CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T106 SECTIONS  
 GALVESTON COUNTY, TEXAS



STA. 0+05 T107A



STA. 2+05 T107C



STA. 1+05 T107B



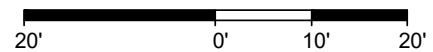
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (04/22/2021)

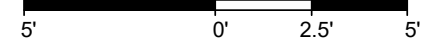
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T107 SECTIONS  
 GALVESTON COUNTY, TEXAS

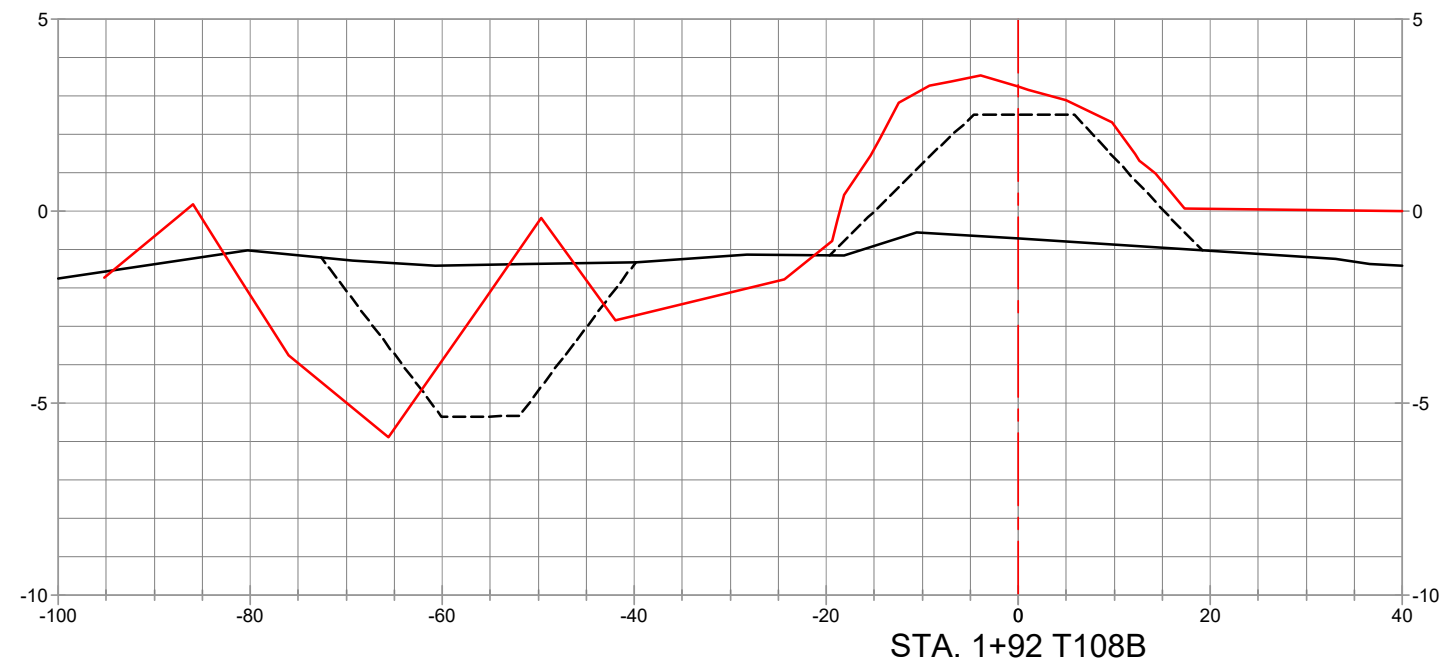
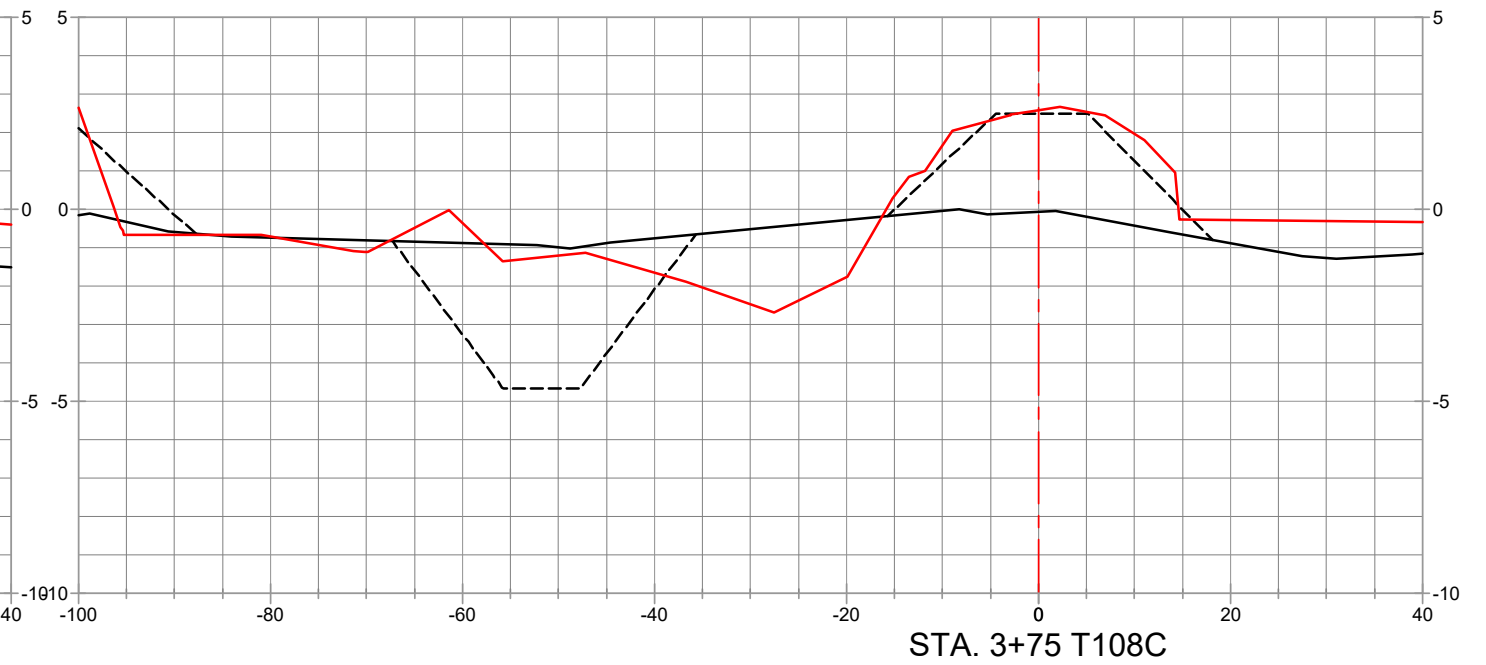
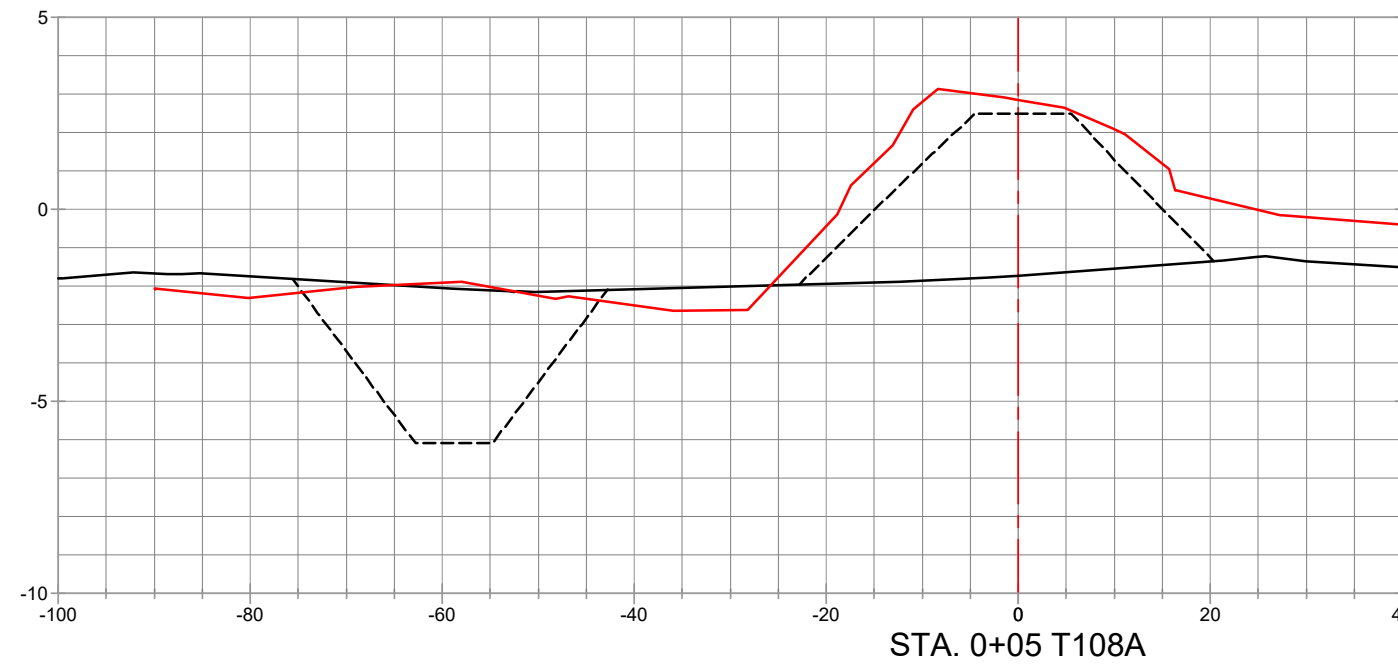
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 28 OF 112



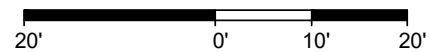
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (04/22/2021)

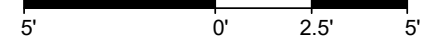
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T108 SECTIONS  
 GALVESTON COUNTY, TEXAS

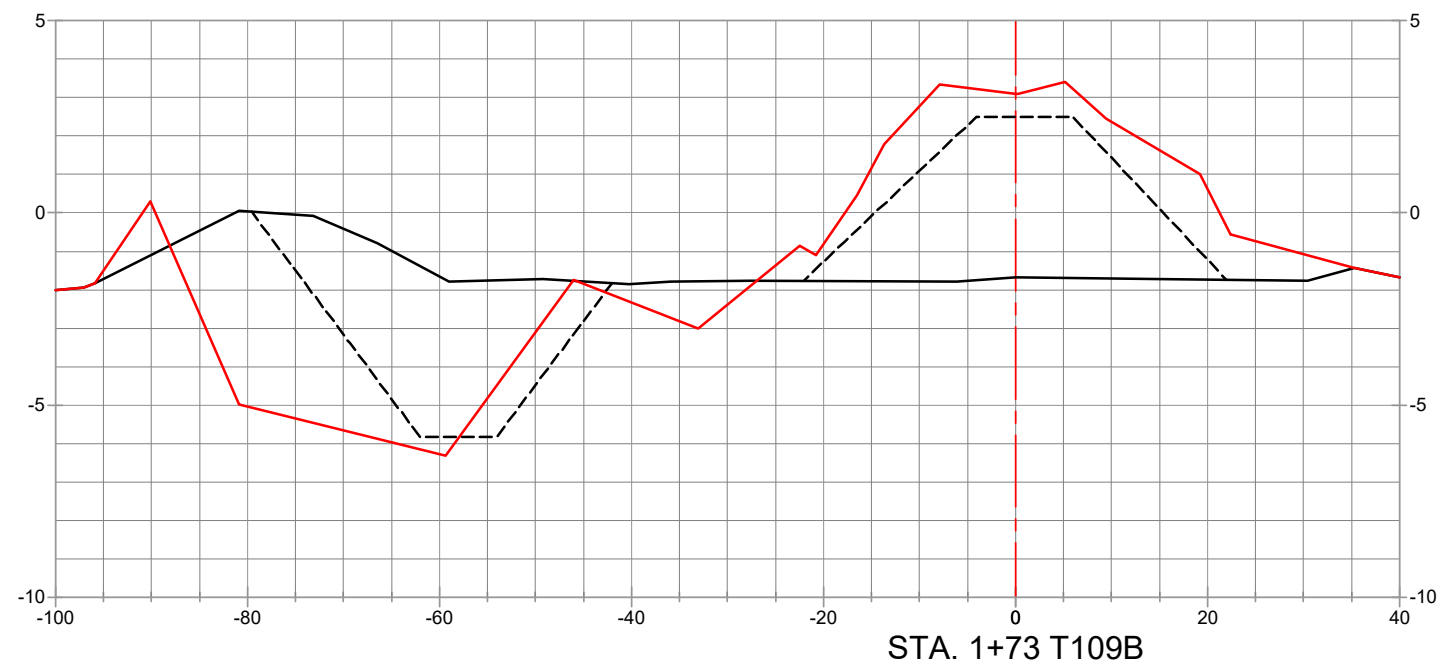
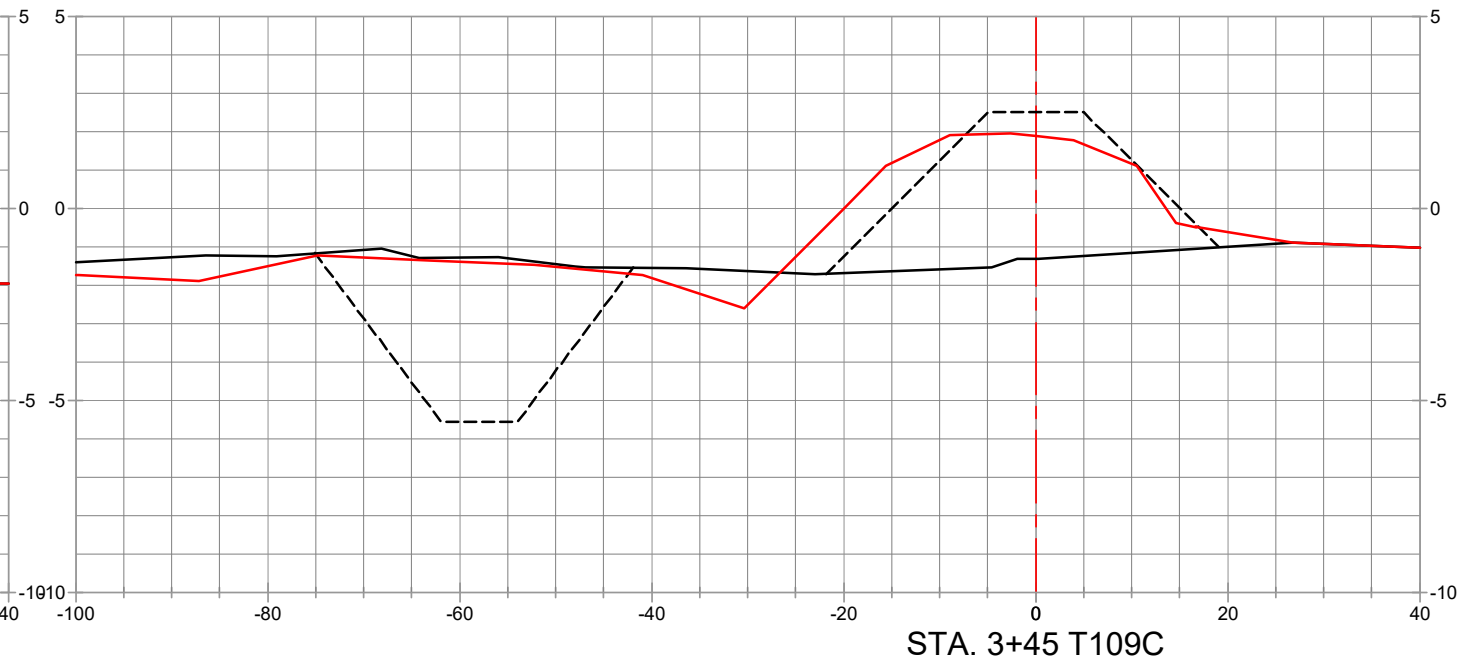
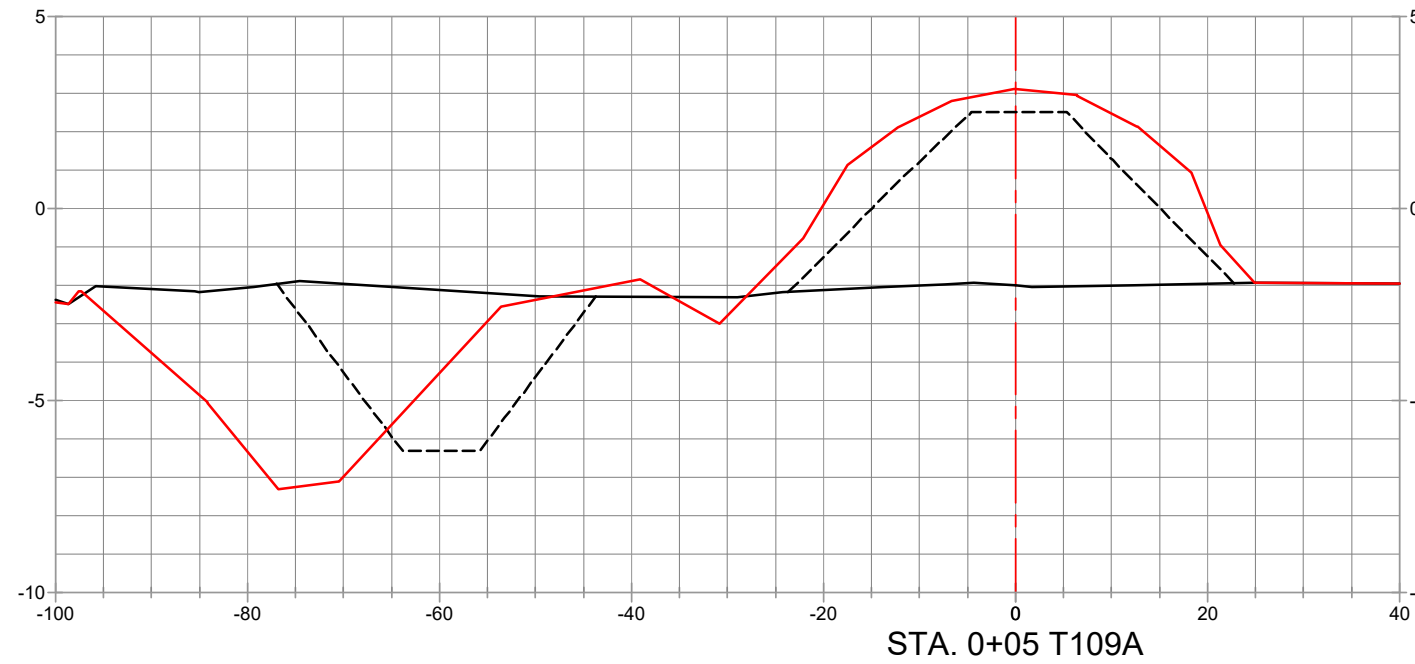
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 29 OF 112



LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/22/2021)

REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113

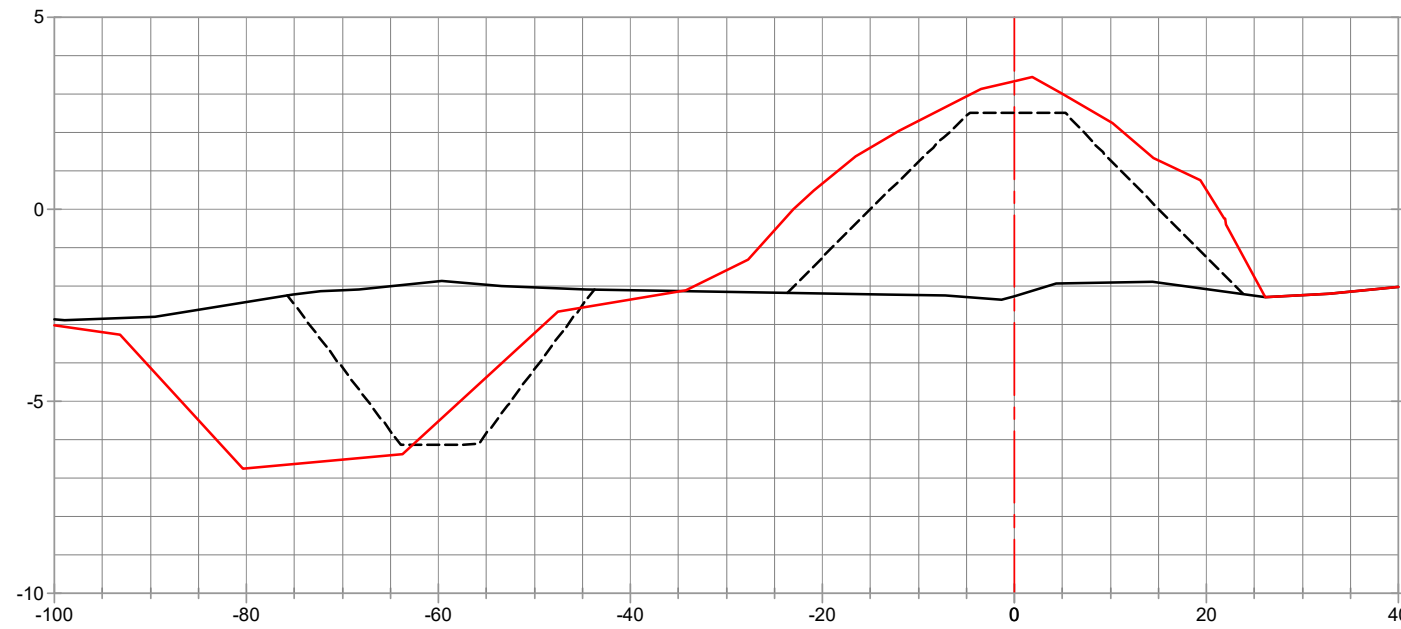
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

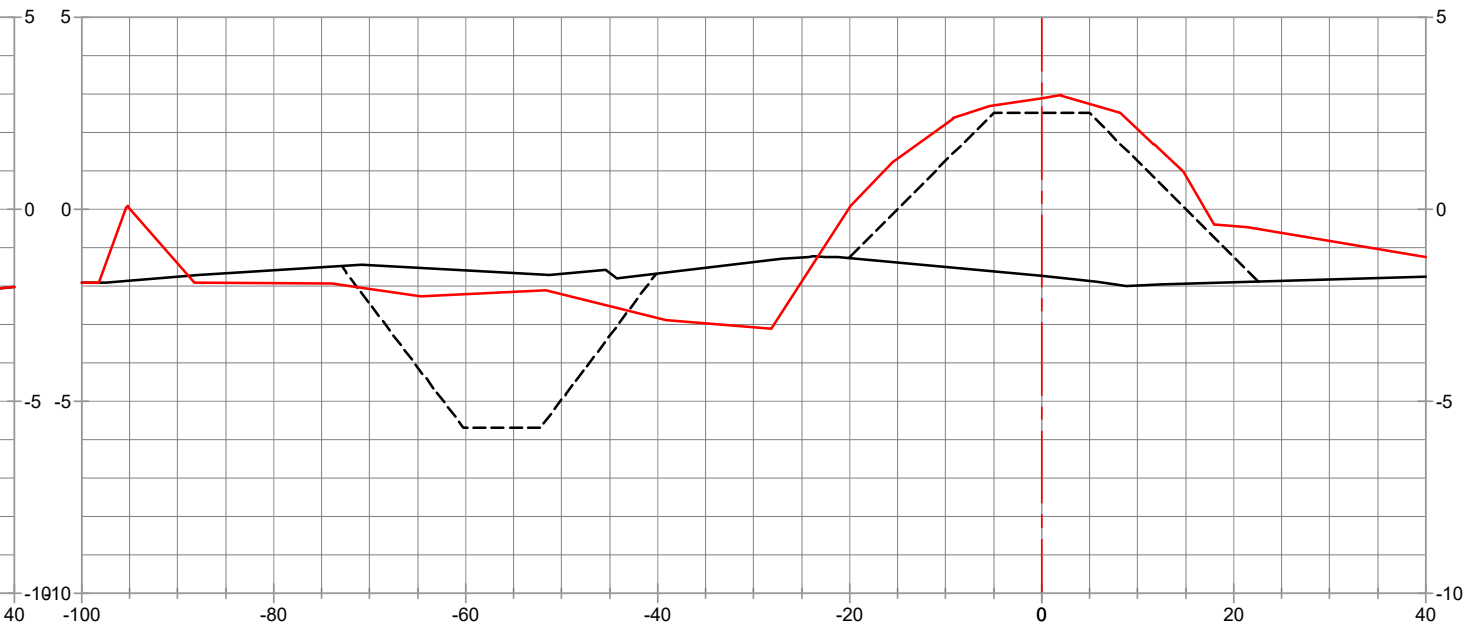
**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T109 SECTIONS  
 GALVESTON COUNTY, TEXAS

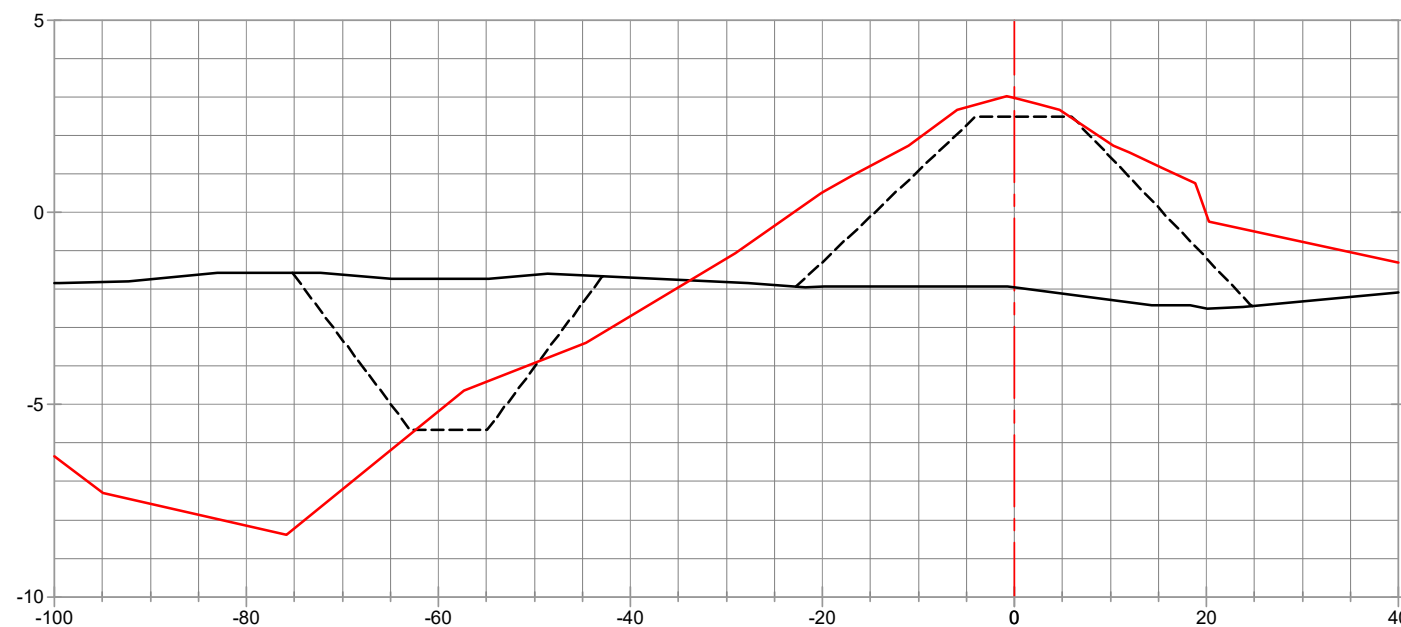
SHEET: 30 OF 112



STA. 0+06 T110A



STA. 2+03 T110C



STA. 1+05 T110B



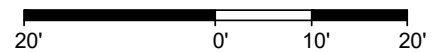
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (04/21/2021)

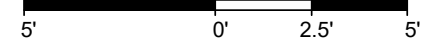
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T110 SECTIONS  
 GALVESTON COUNTY, TEXAS

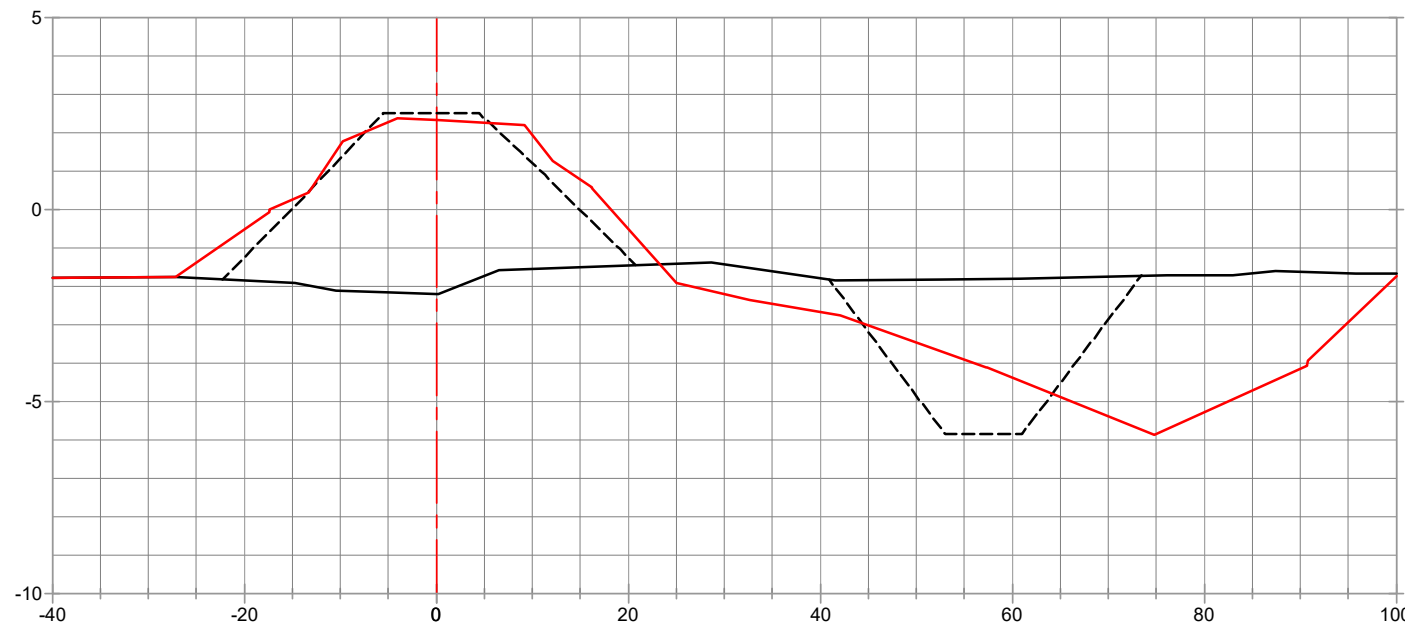
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

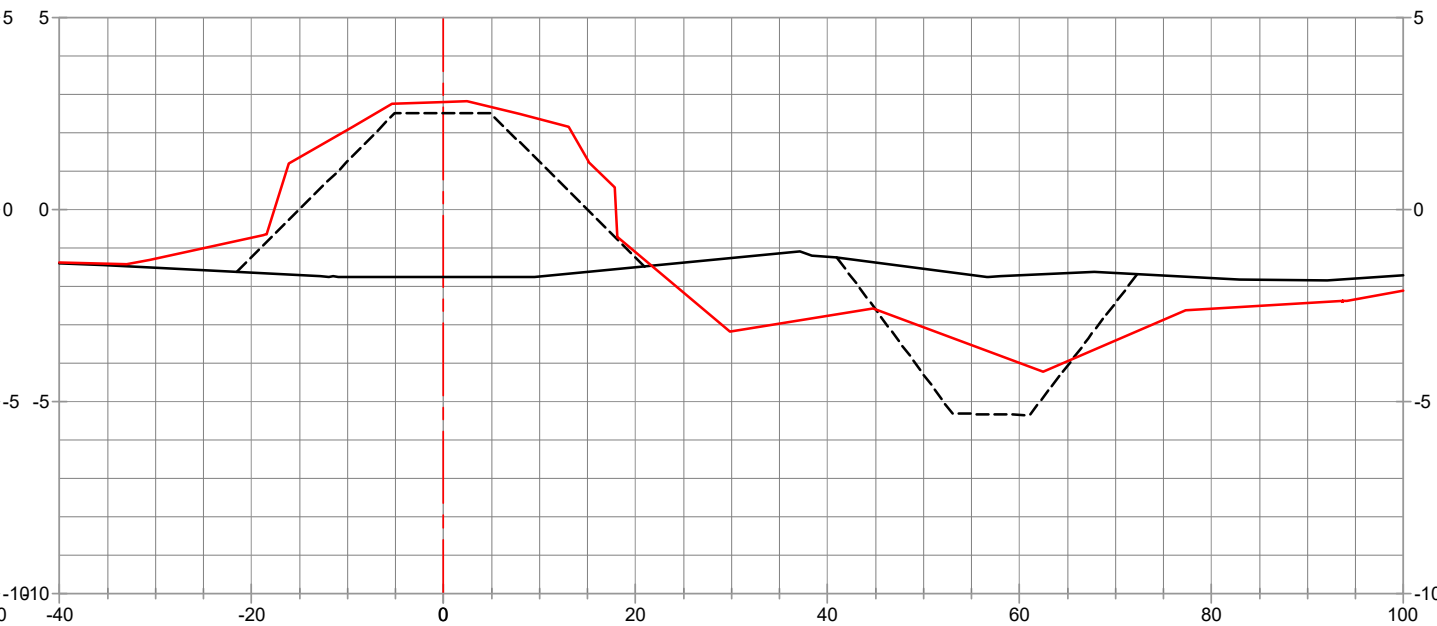
JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

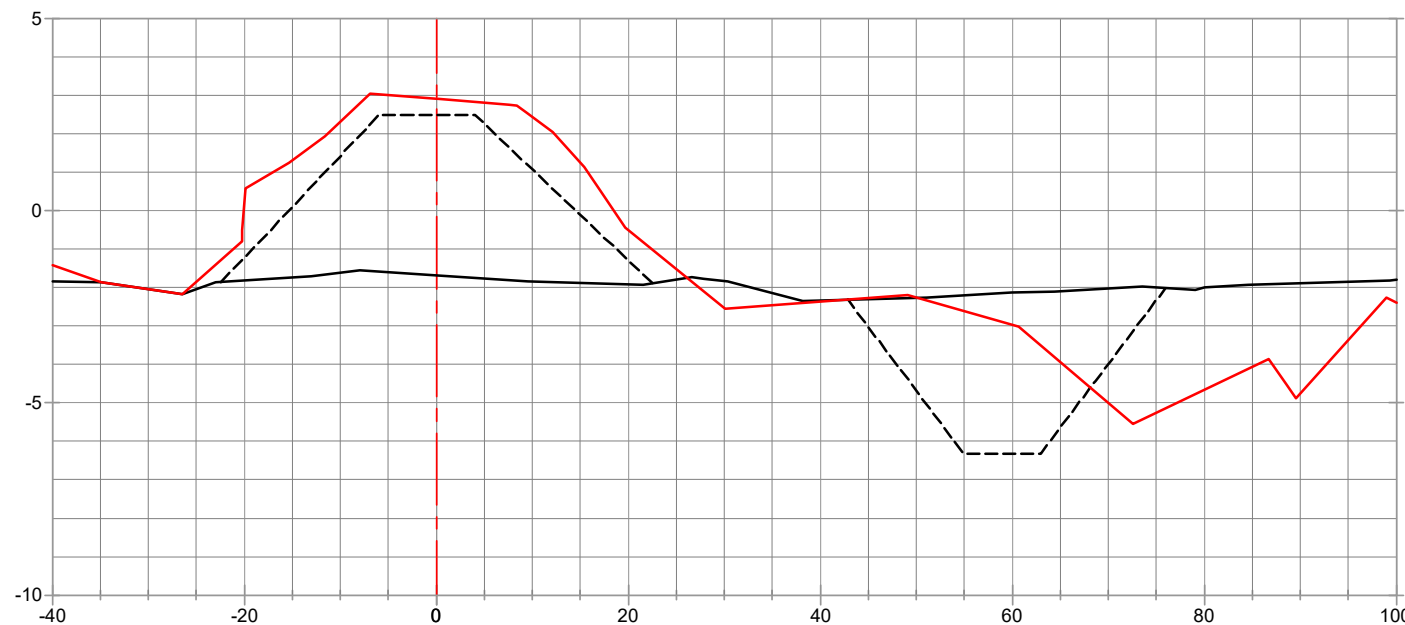
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STA. 0+06 T111A



STA. 2+65 T111C



STA. 1+34 T111B



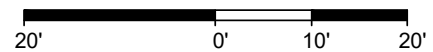
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (04/21/2021)

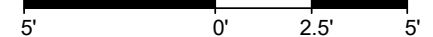
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T111 SECTIONS  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

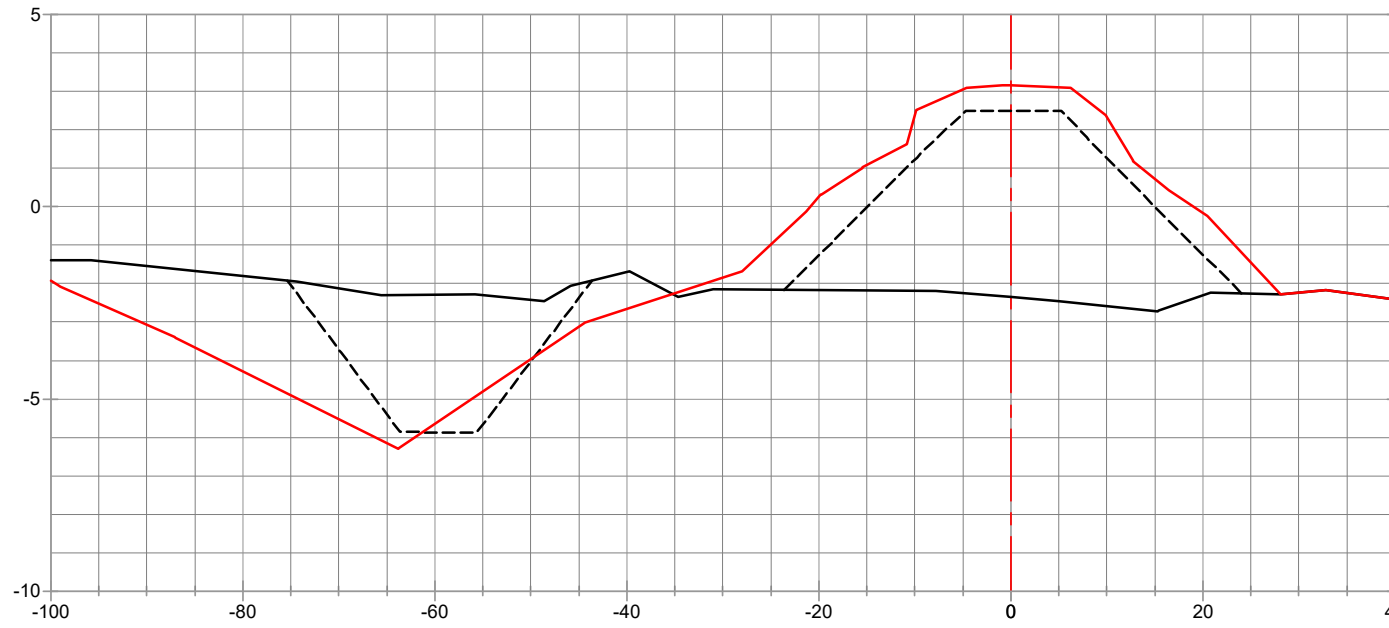
DATE: 06/09/2021

JOB# 2201113

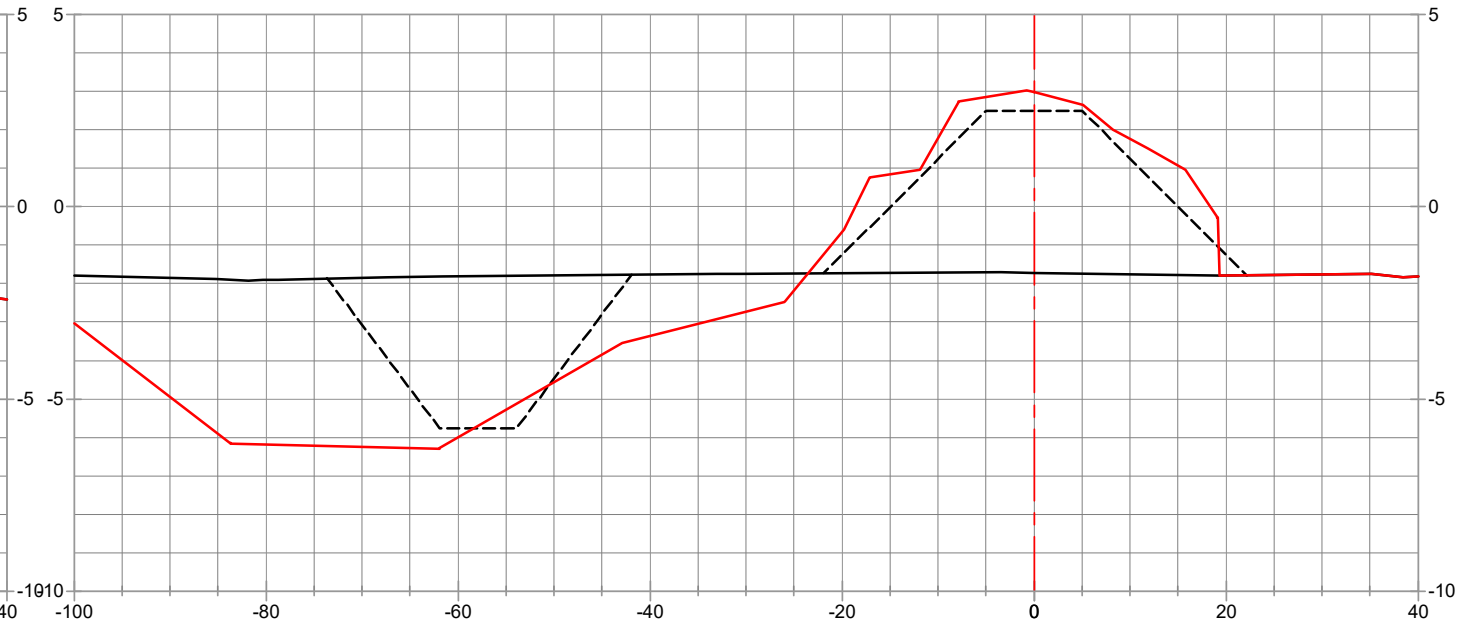
FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 32 OF 112

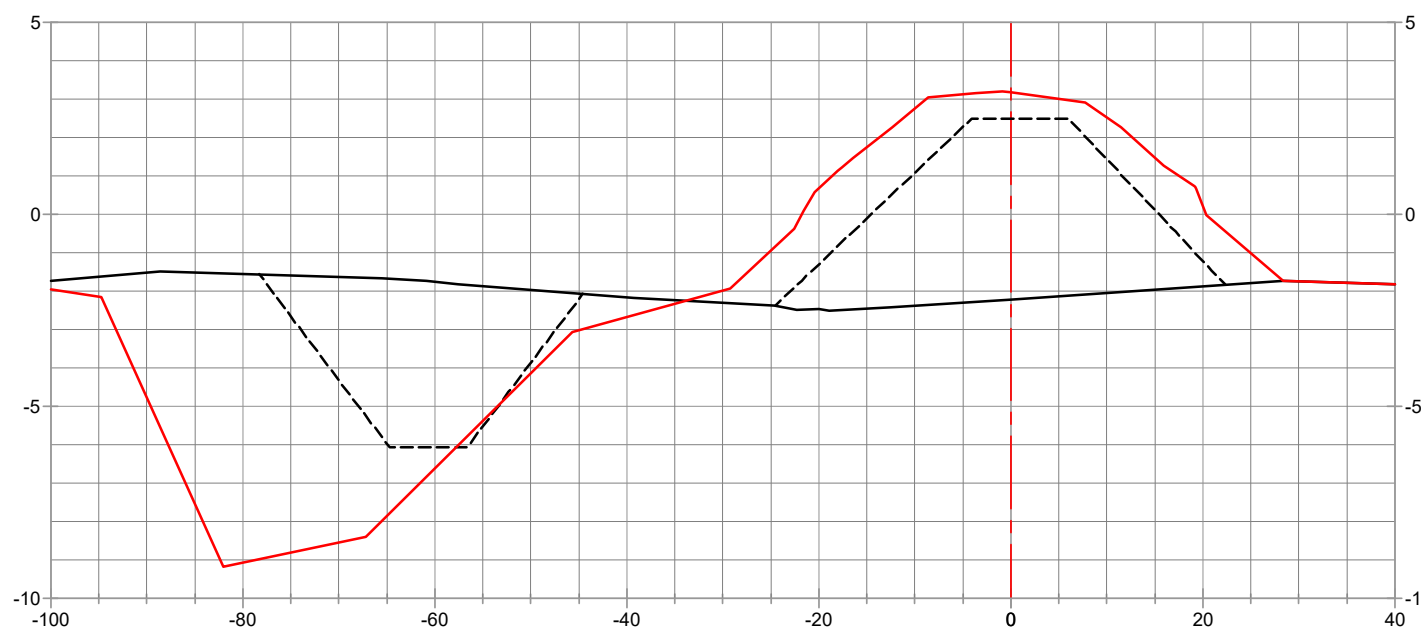




STA. 0+05 T112A



STA. 2+20 T112C

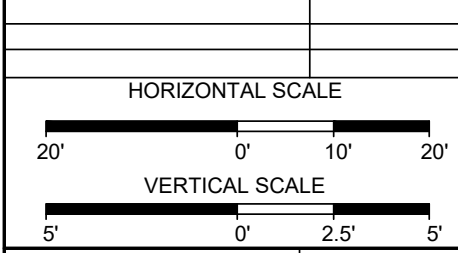


STA. 1+11 T112B

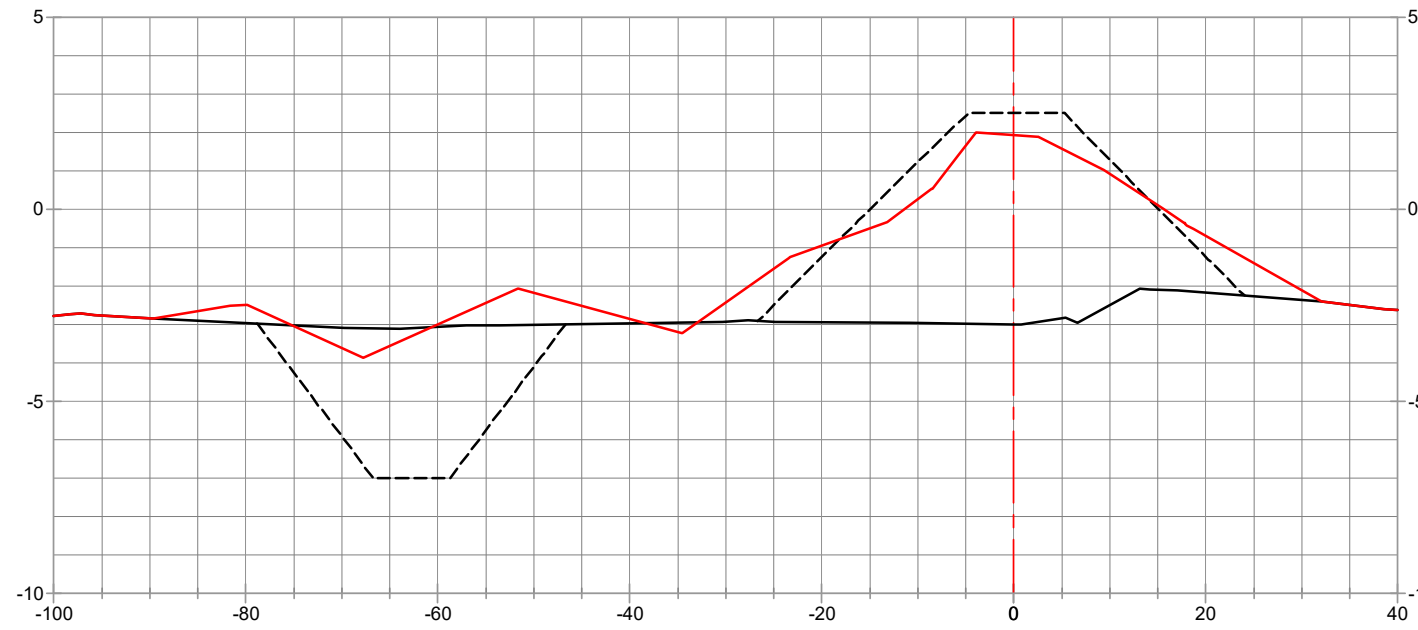


LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/21/2021)

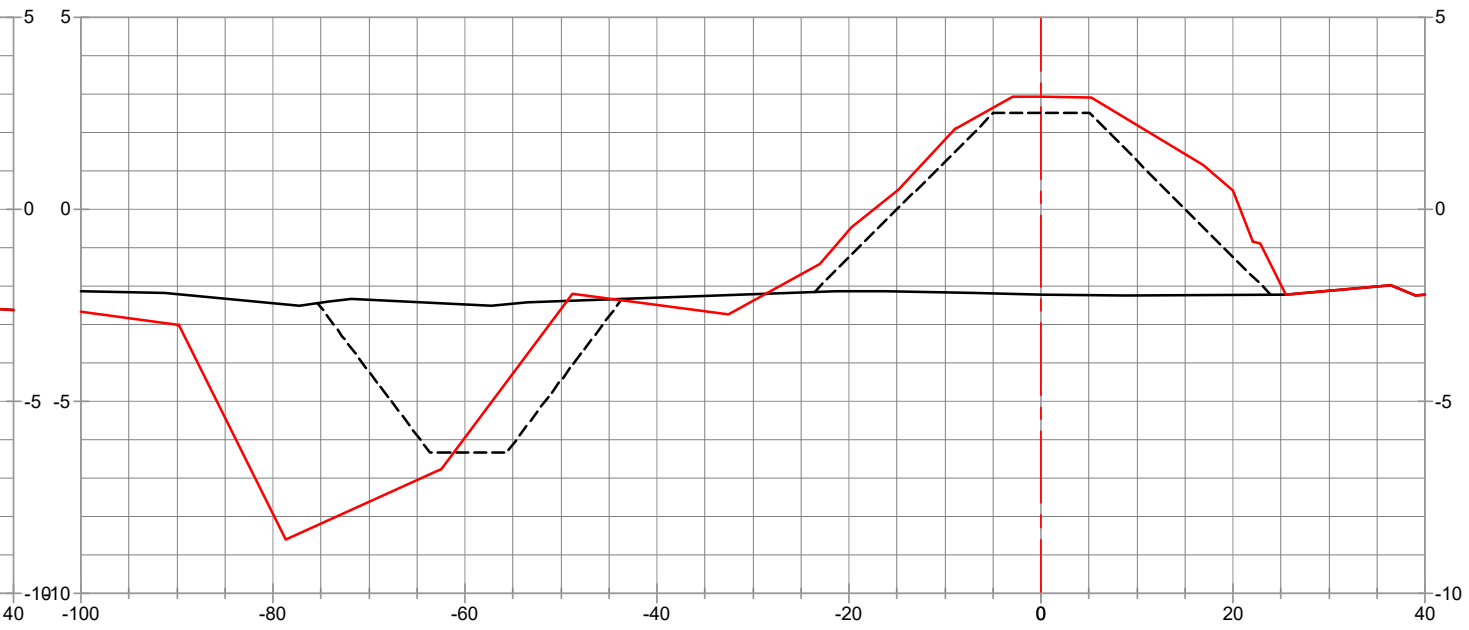
REVISED BY:	DATE:



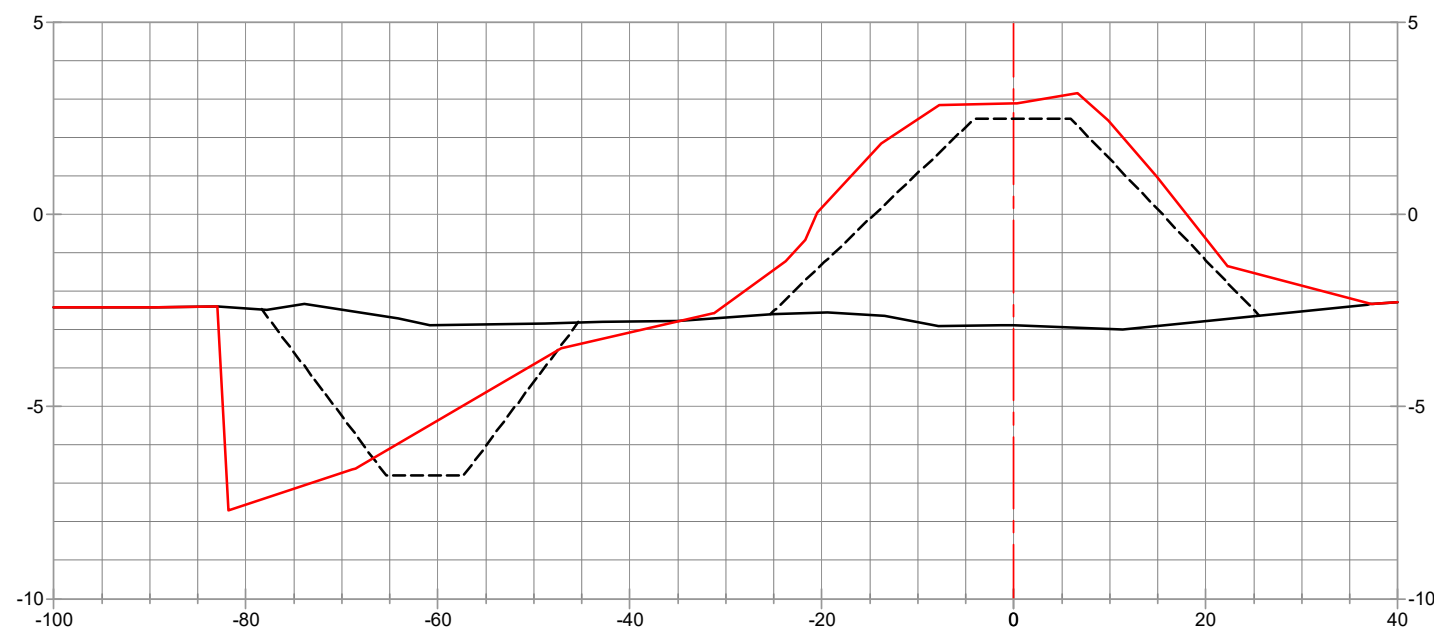
**SITE 1 - TERRACES**  
 CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 T112 SECTIONS  
 GALVESTON COUNTY, TEXAS



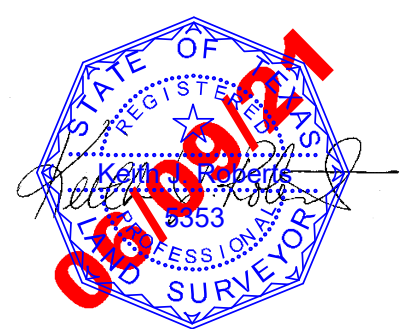
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STA. 2+05 T113C

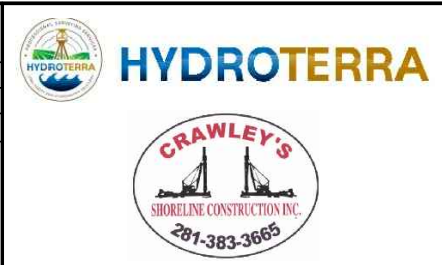
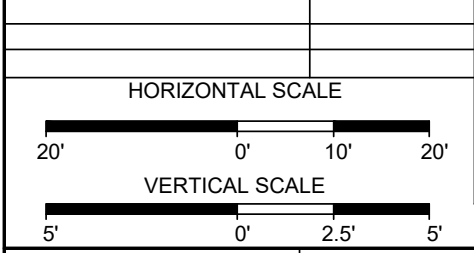


STA. 1+05 T113B

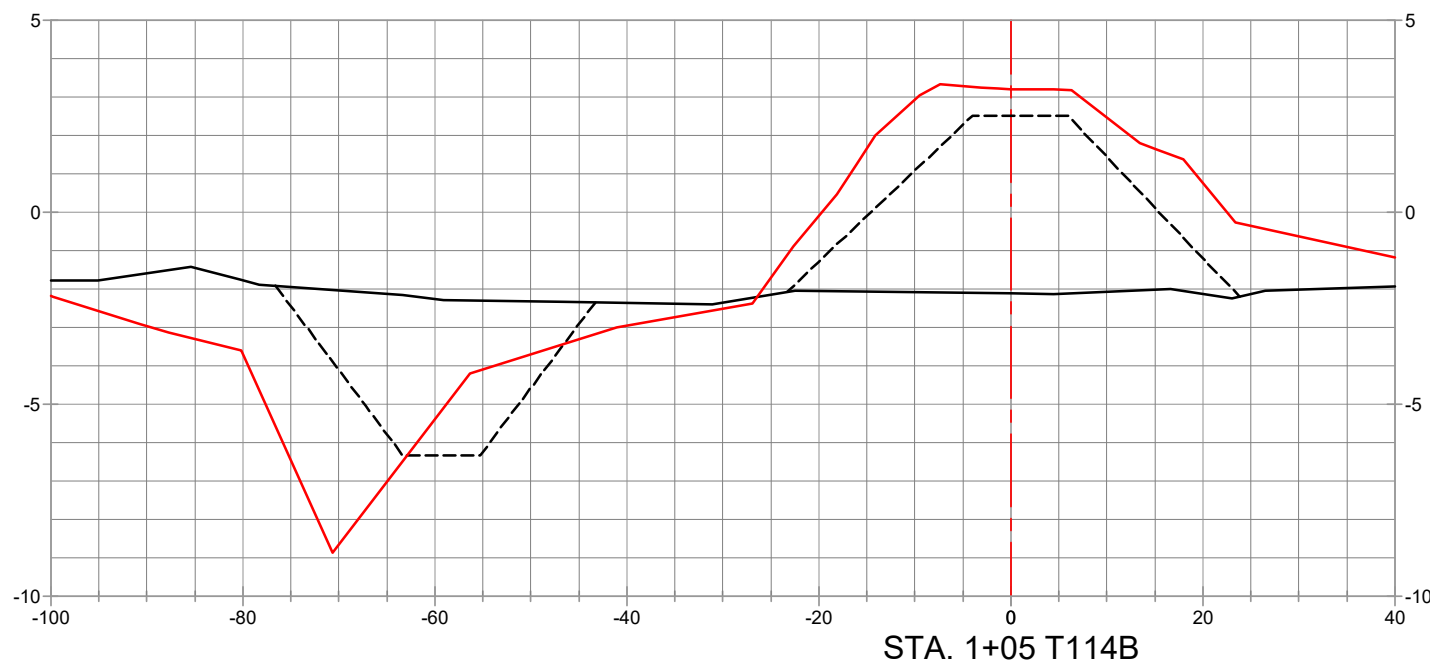
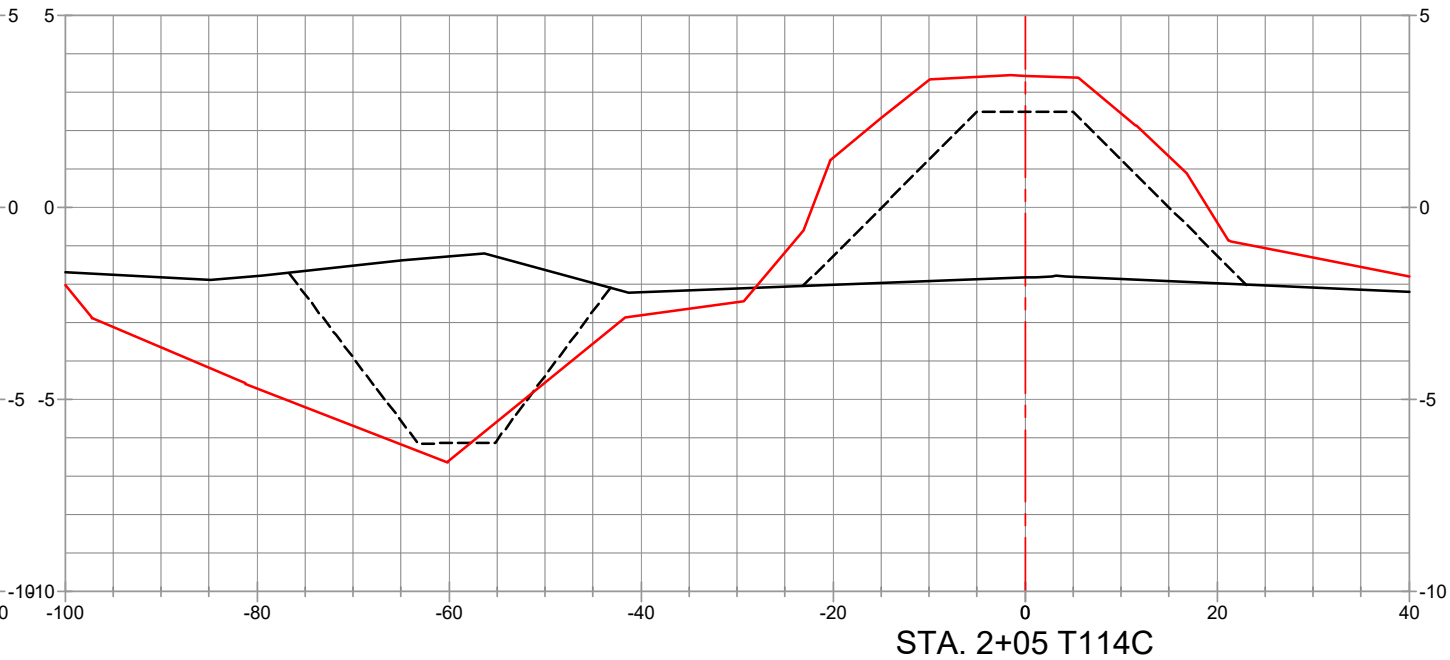
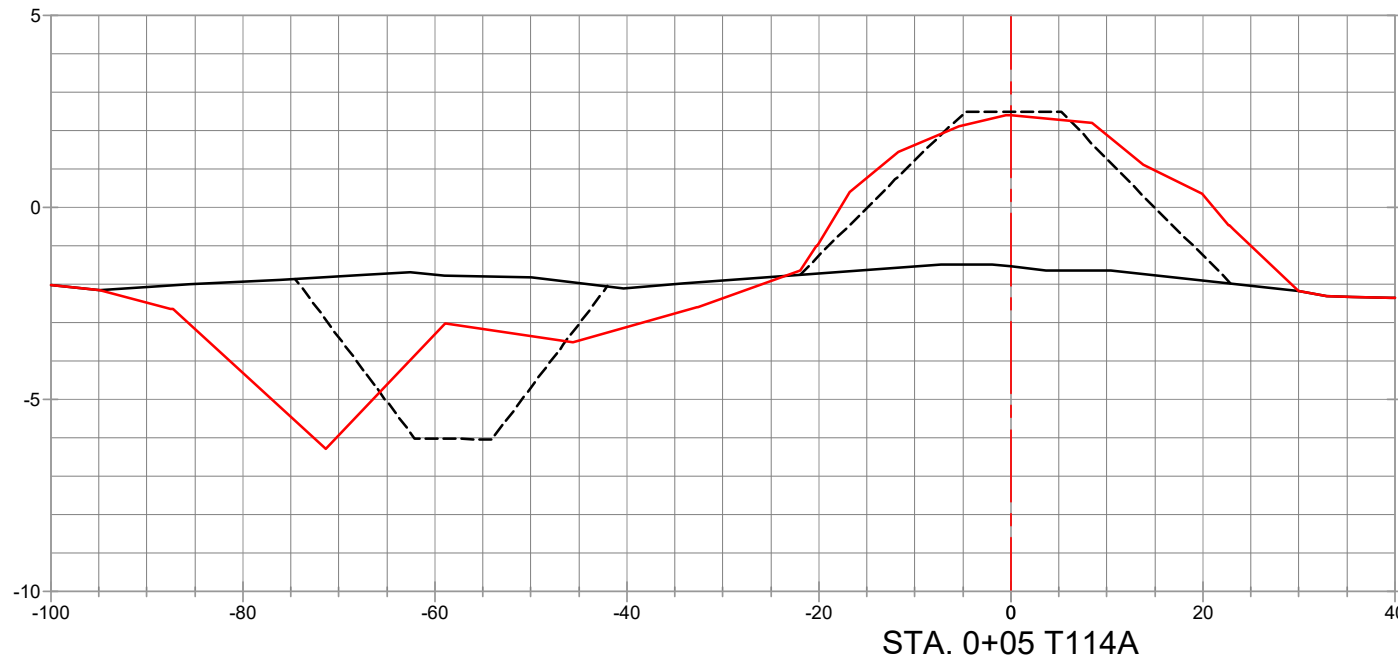


LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/21/2021)

REVISED BY:	DATE:



**SITE 1 - TERRACES**  
 CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 T113 SECTIONS  
 GALVESTON COUNTY, TEXAS



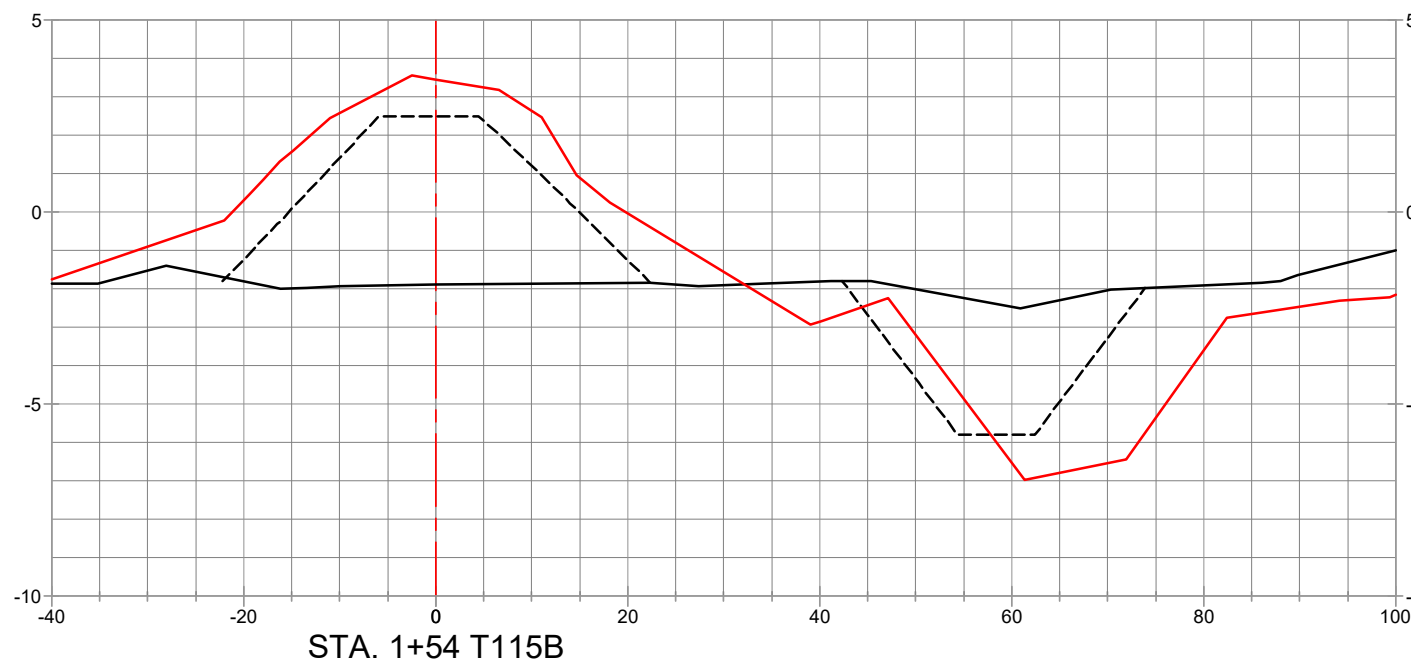
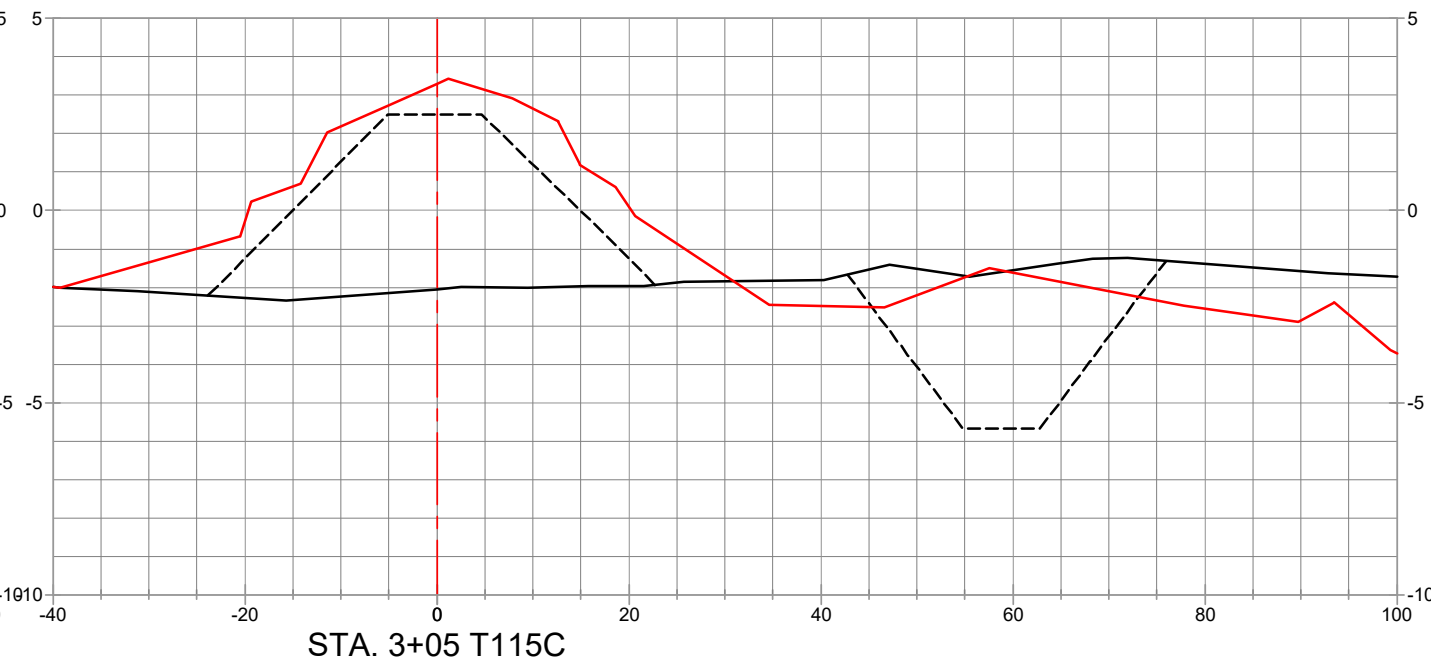
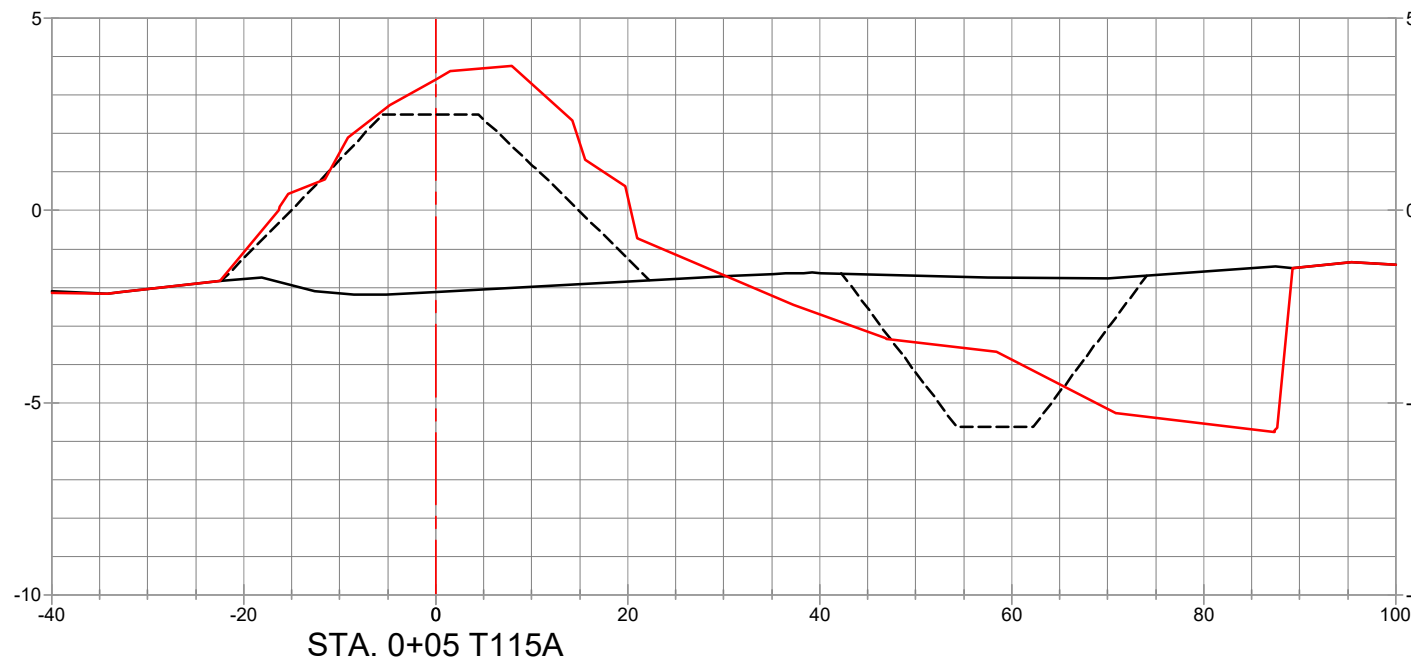
LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/21/2021)

REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

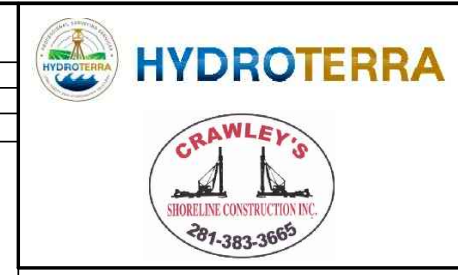
**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T114 SECTIONS  
 GALVESTON COUNTY, TEXAS



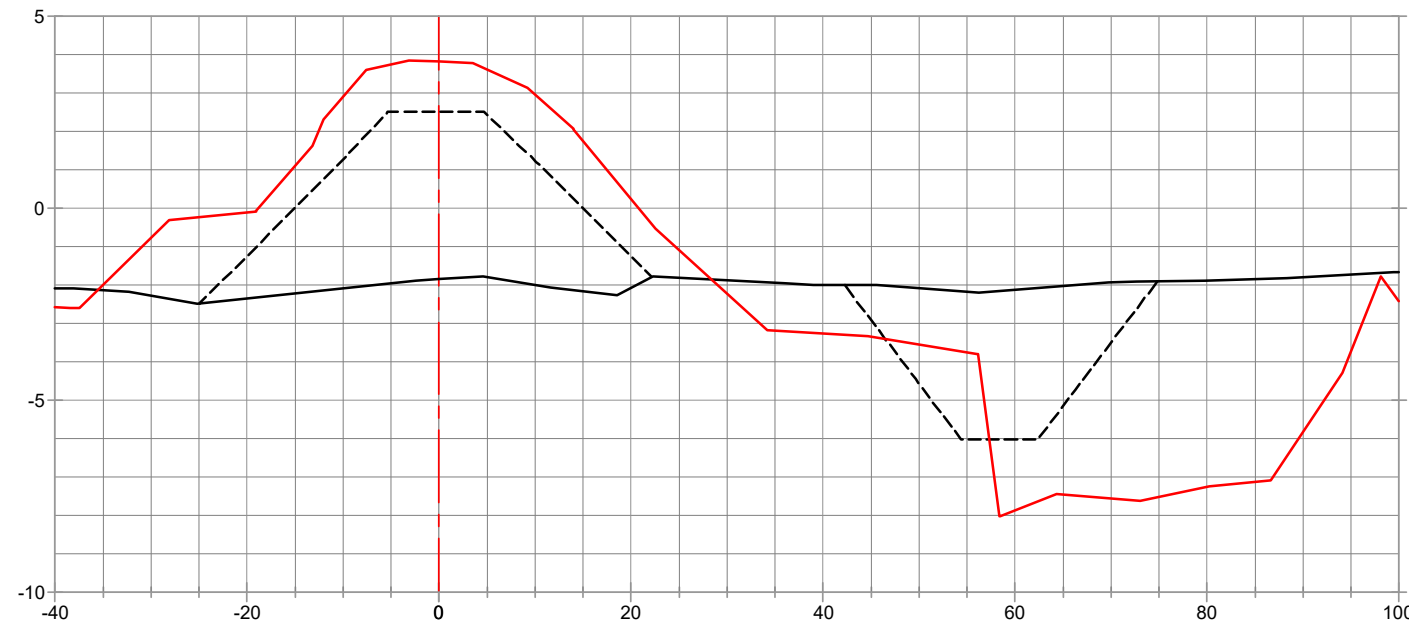
LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/21/2021)

REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113

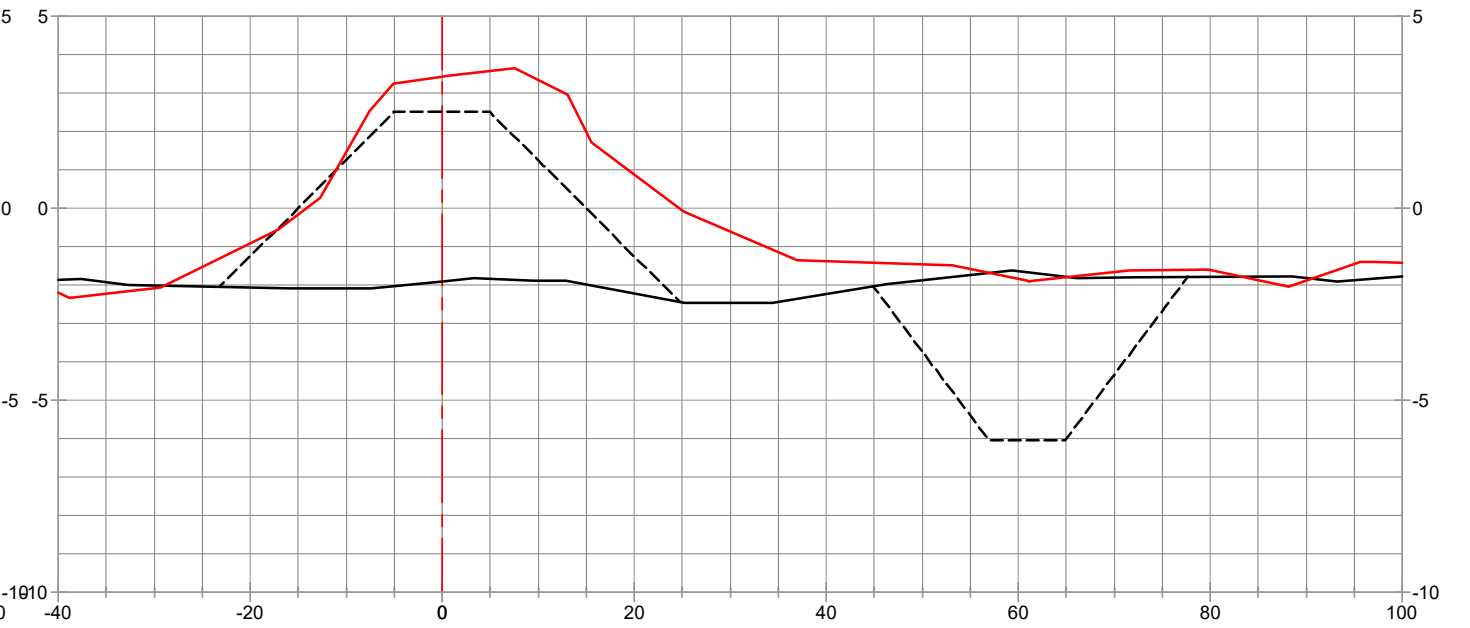


**SITE 1 - TERRACES**

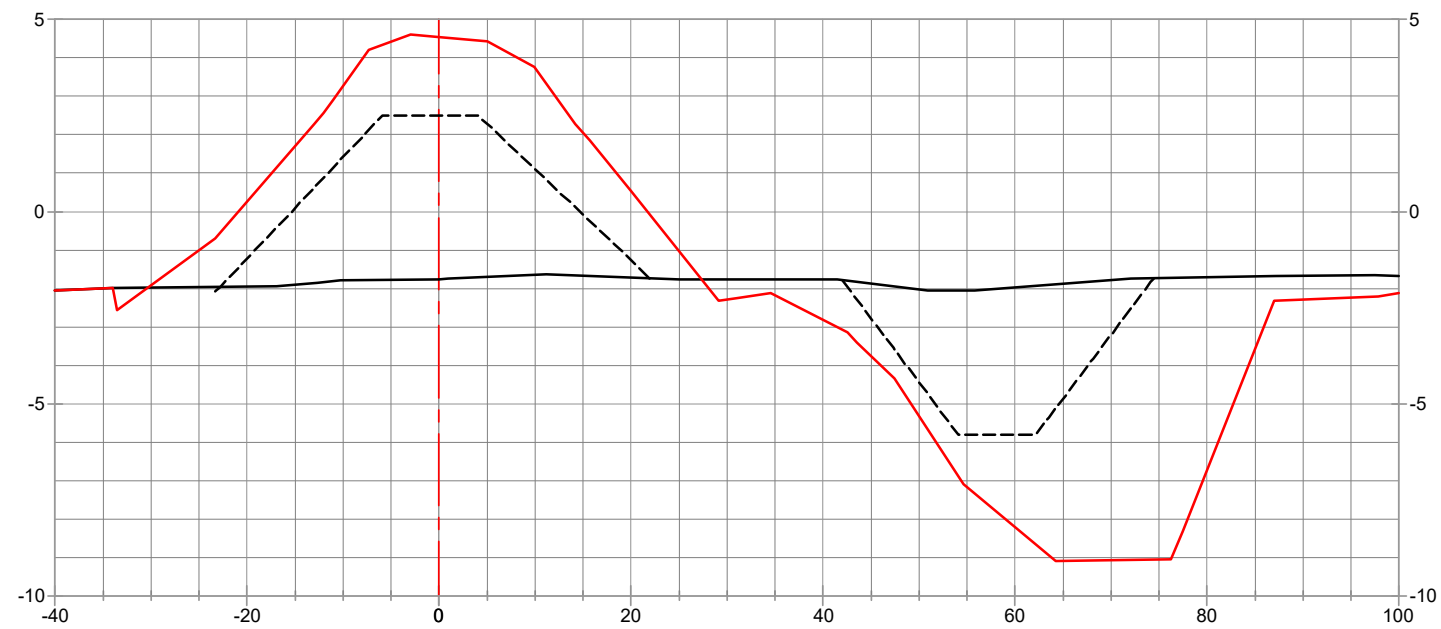
CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T115 SECTIONS  
 GALVESTON COUNTY, TEXAS



STA. 0+06 T116A



STA. 2+20 T116C



STA. 1+11 T116B



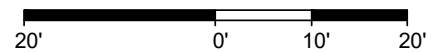
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- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (04/12/2021)

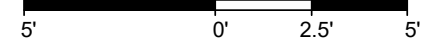
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T116 SECTIONS  
 GALVESTON COUNTY, TEXAS

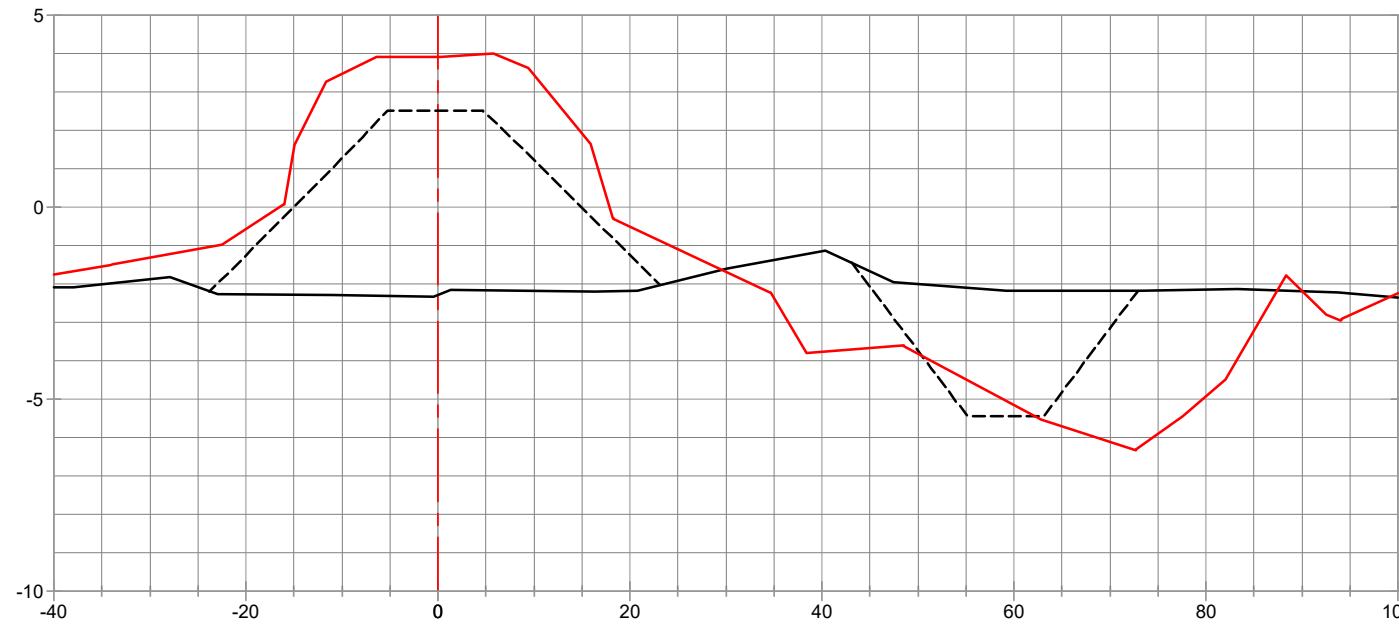
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

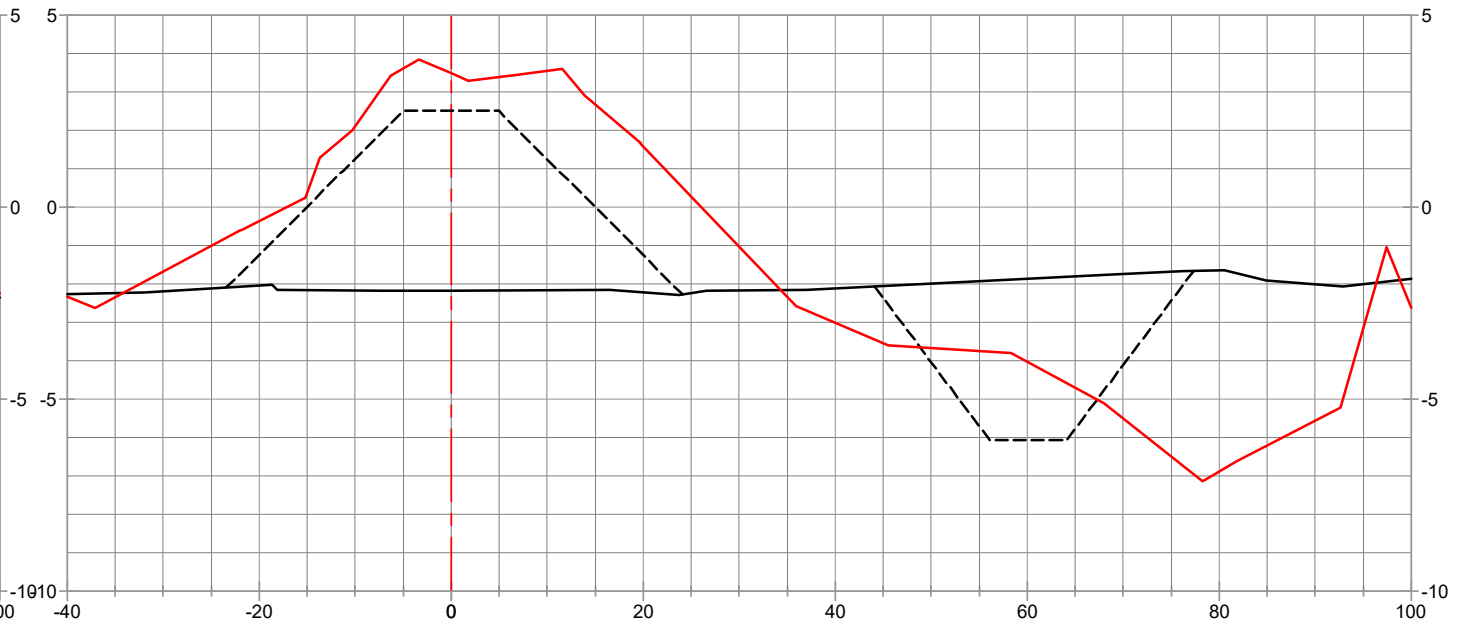
JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

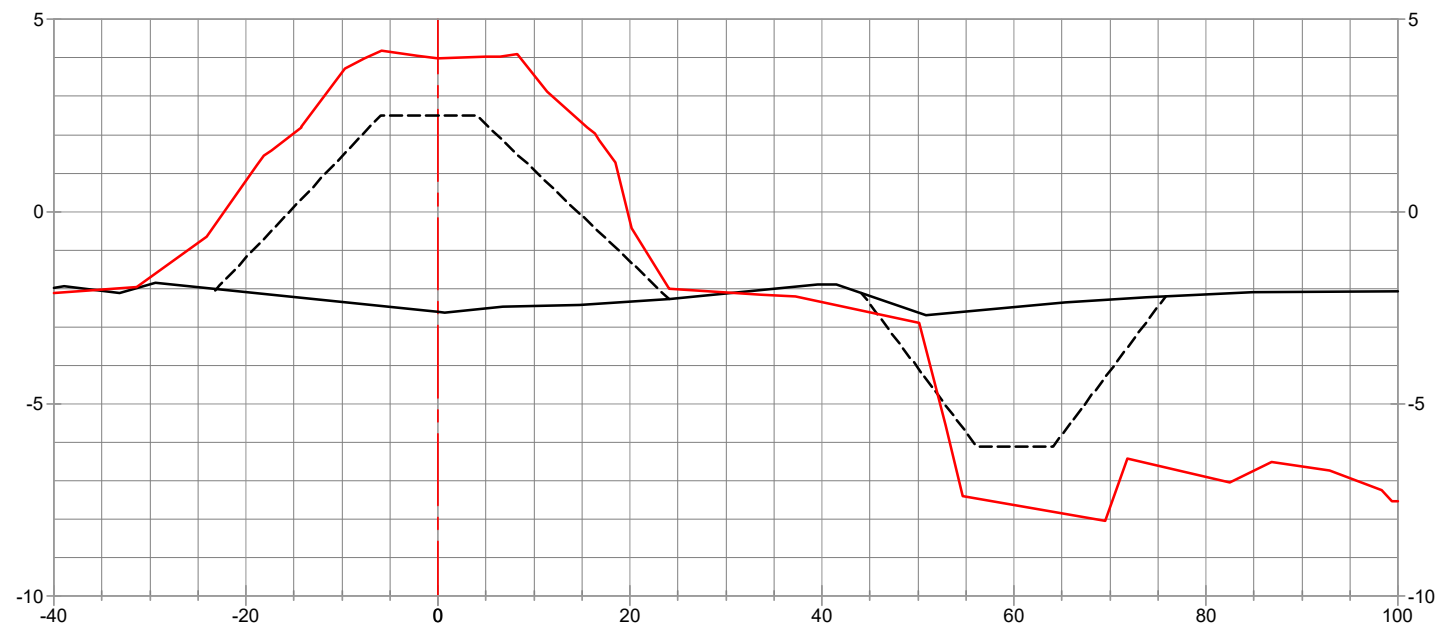
SHEET: 37 OF 112



STA. 0+05 T117A



STA. 2+09 T117C



STA. 1+05 T117B



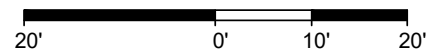
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (04/12/2021)

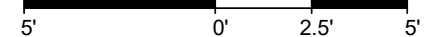
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T117 SECTIONS  
 GALVESTON COUNTY, TEXAS

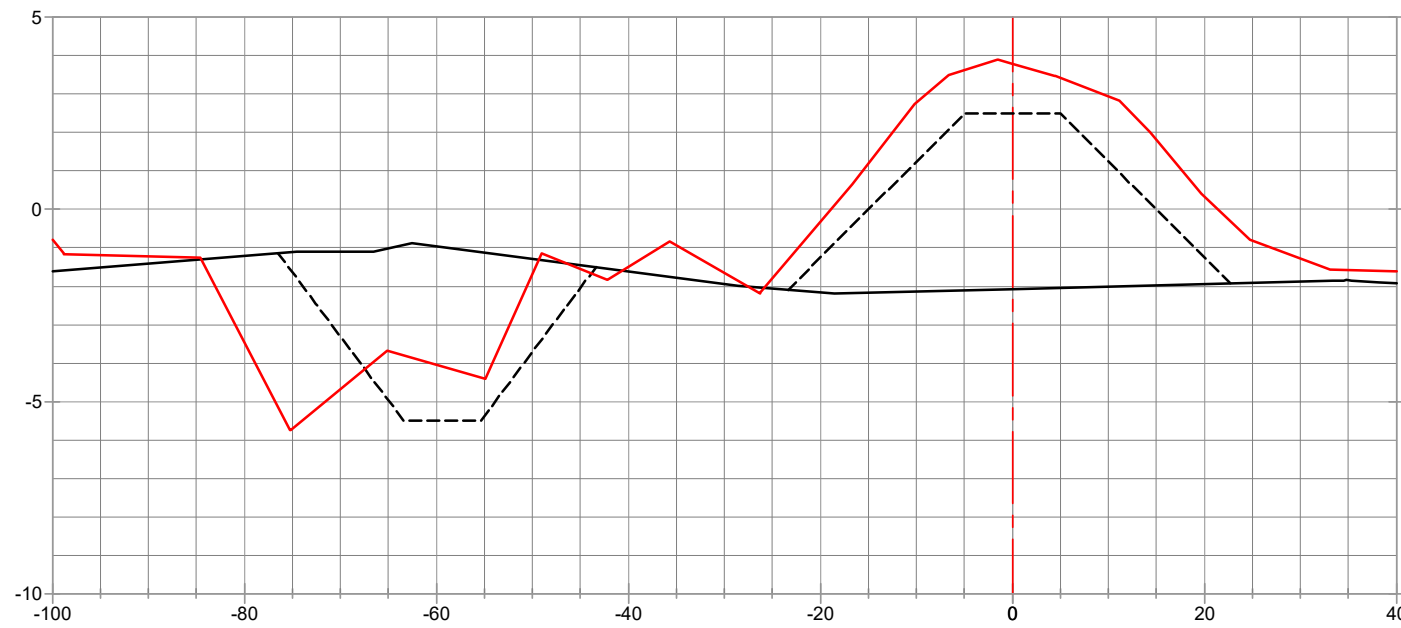
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

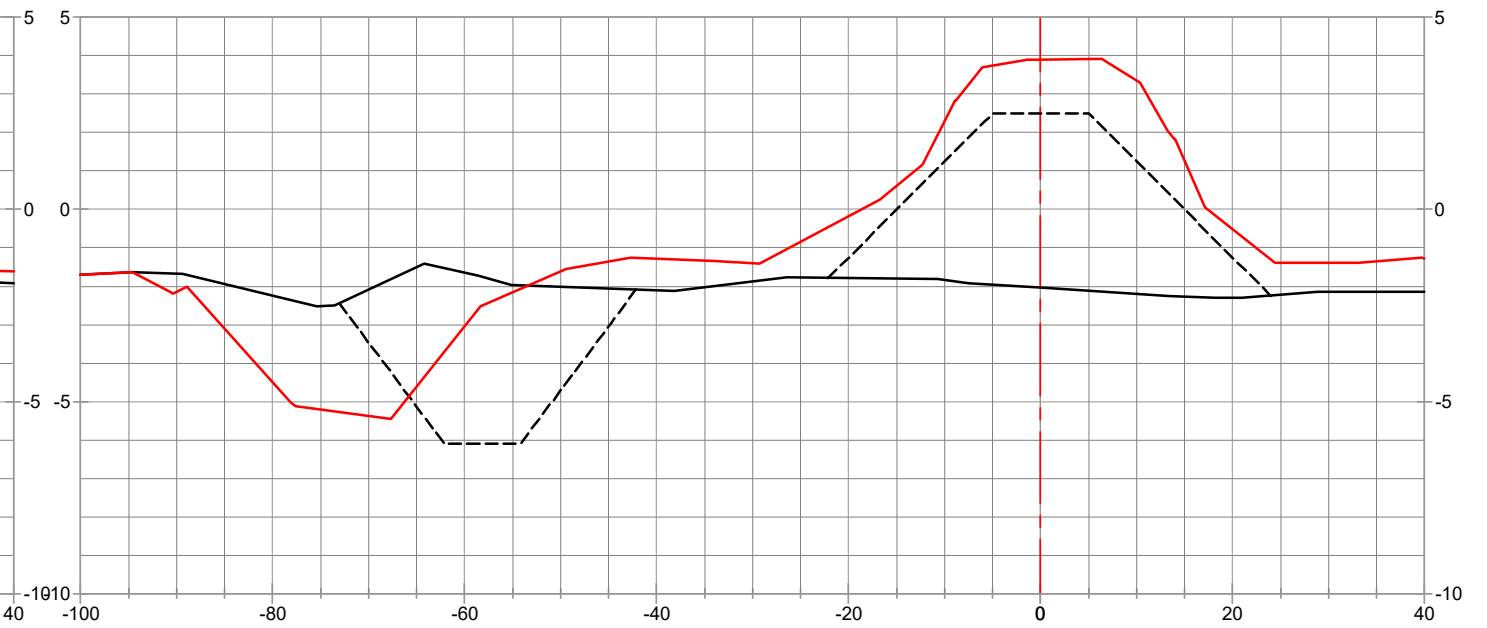
JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

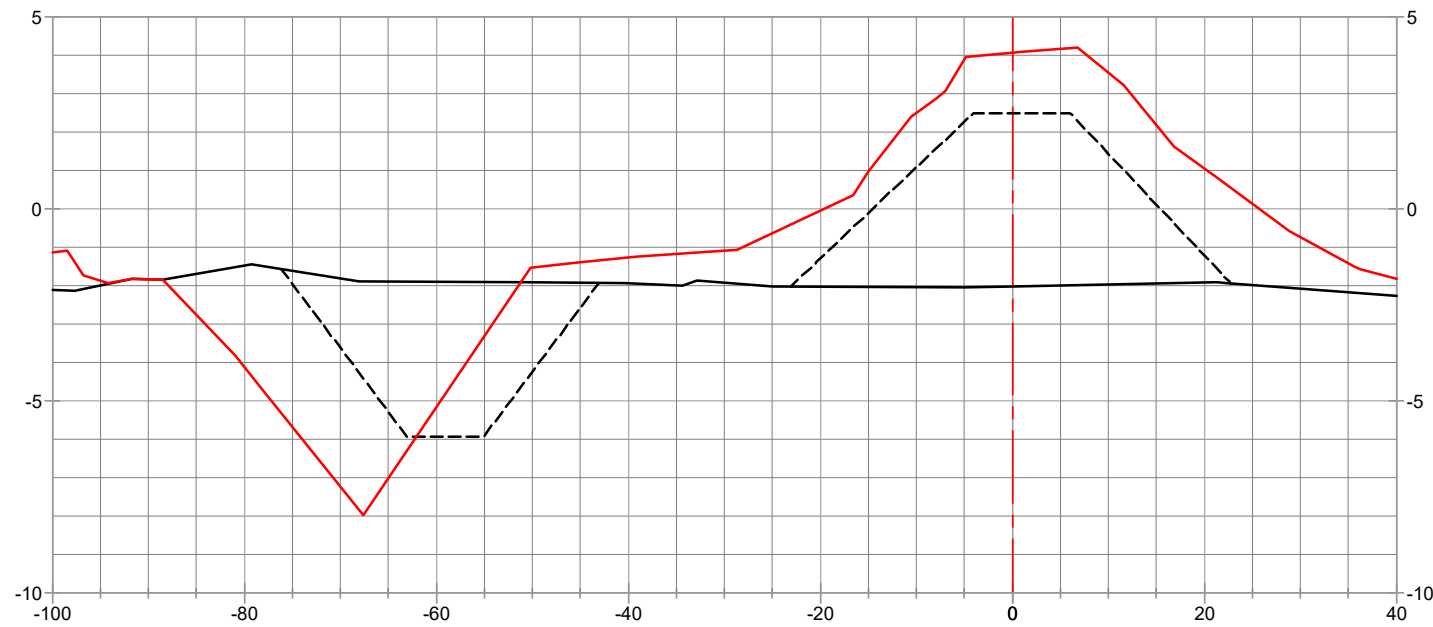
SHEET: 38 OF 112



STA. 0+05 T118A



STA. 2+10 T118C



STA. 1+06 T118B



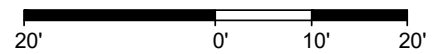
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (04/06/2021)

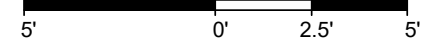
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T118 SECTIONS  
 GALVESTON COUNTY, TEXAS

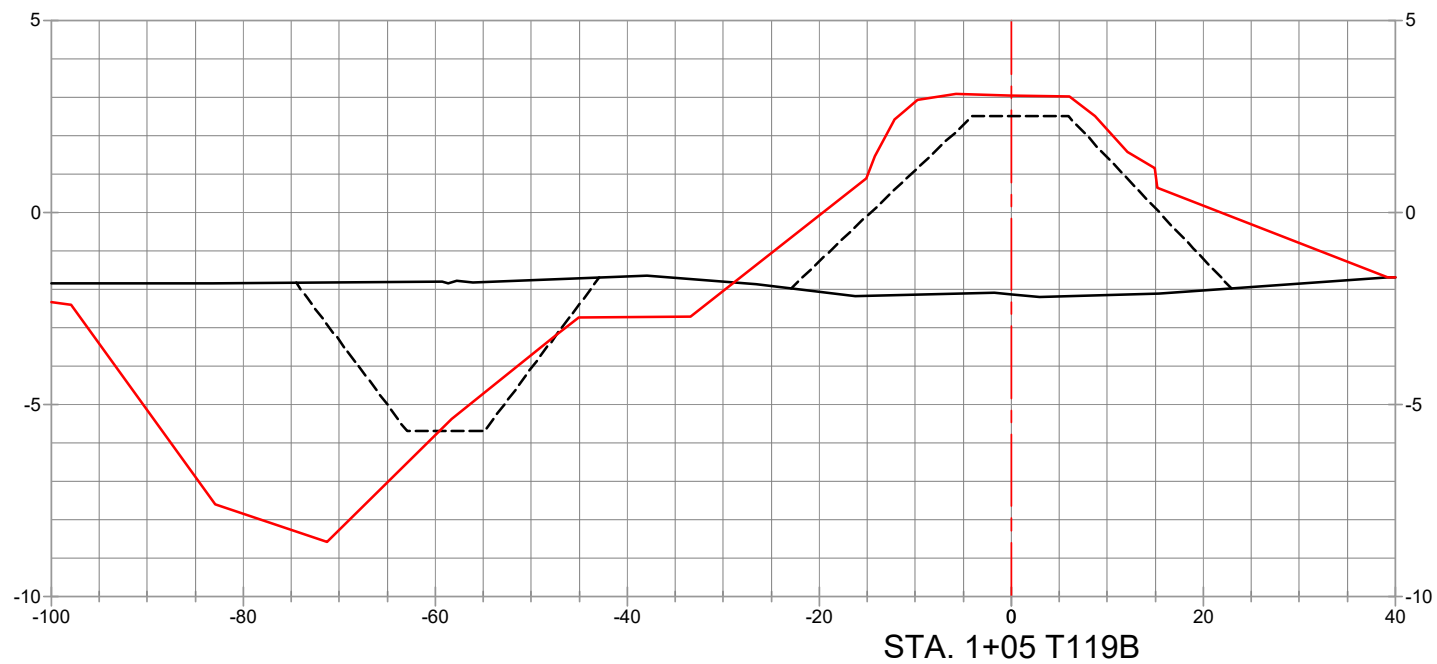
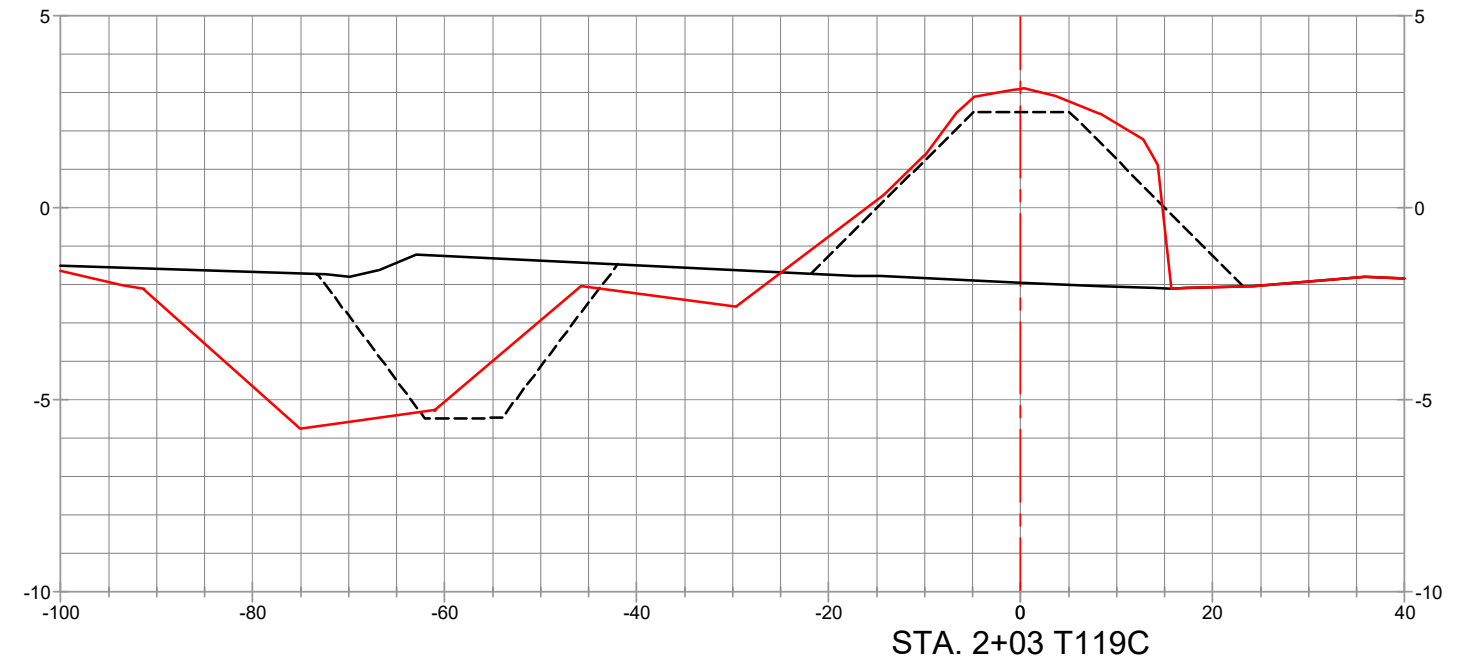
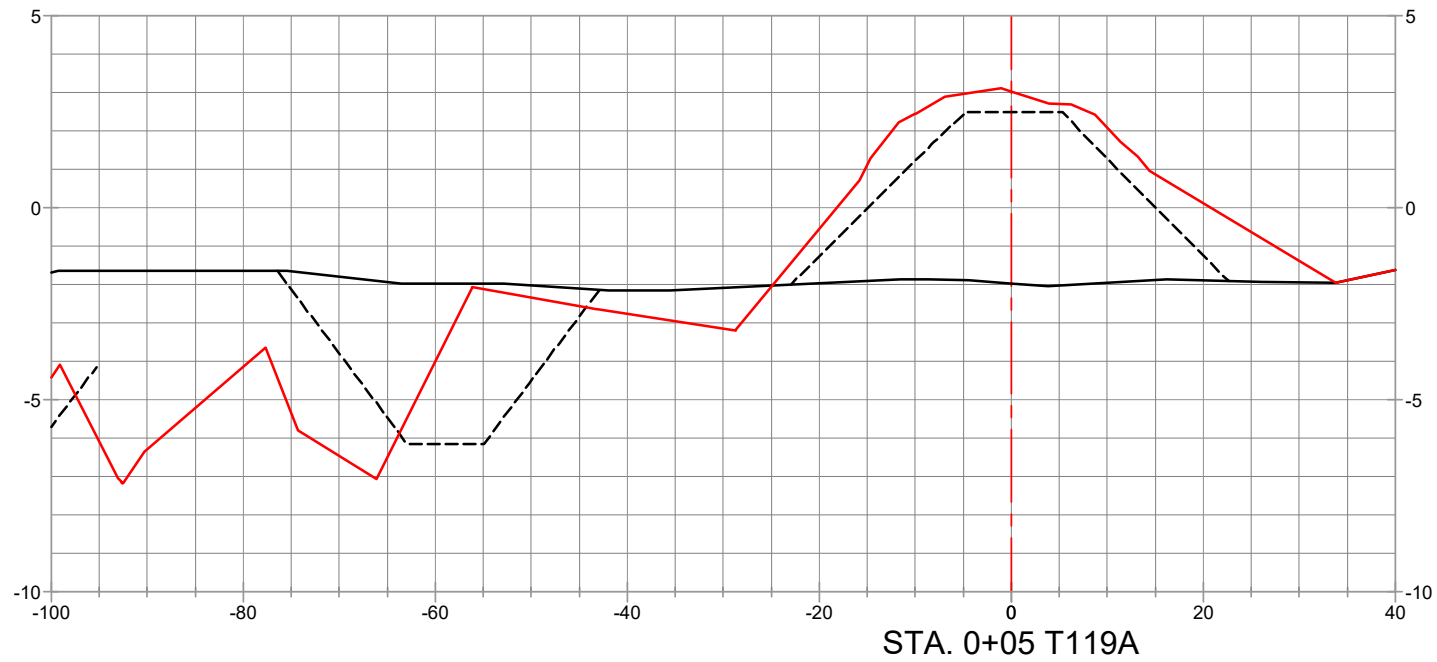
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 39 OF 112



LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/19/2021)

REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113

**HYDROTERRA**

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

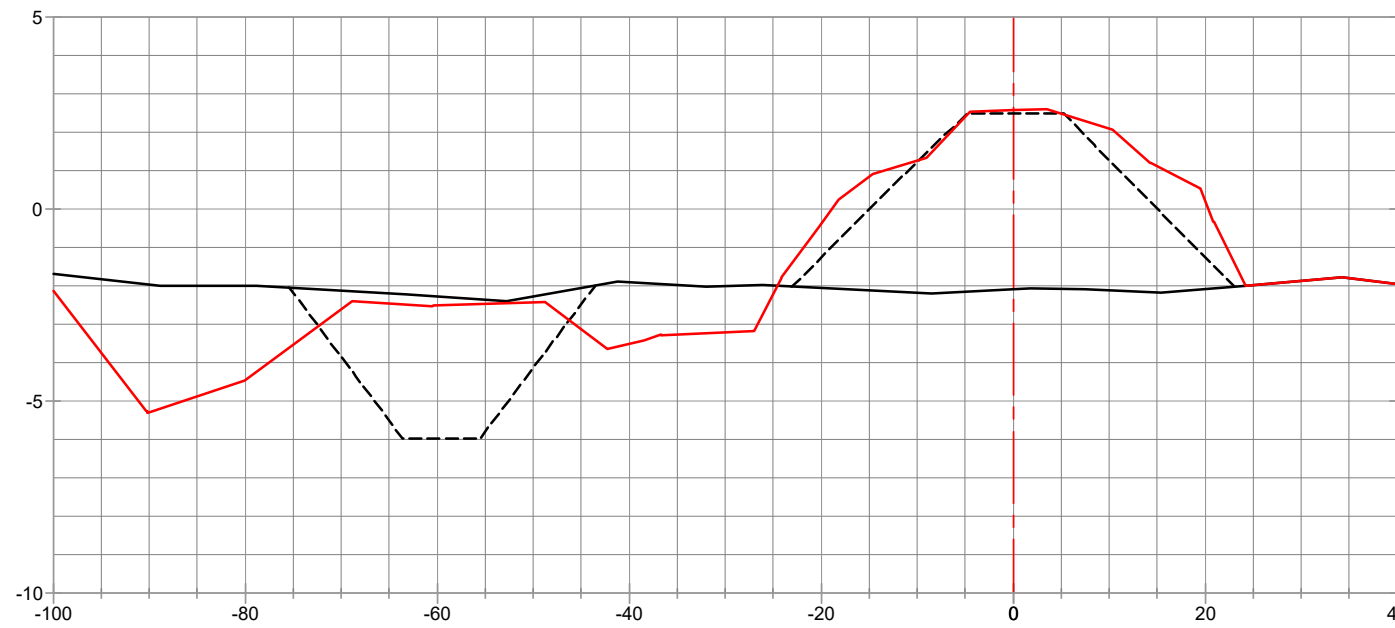
**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T119 SECTIONS  
 GALVESTON COUNTY, TEXAS

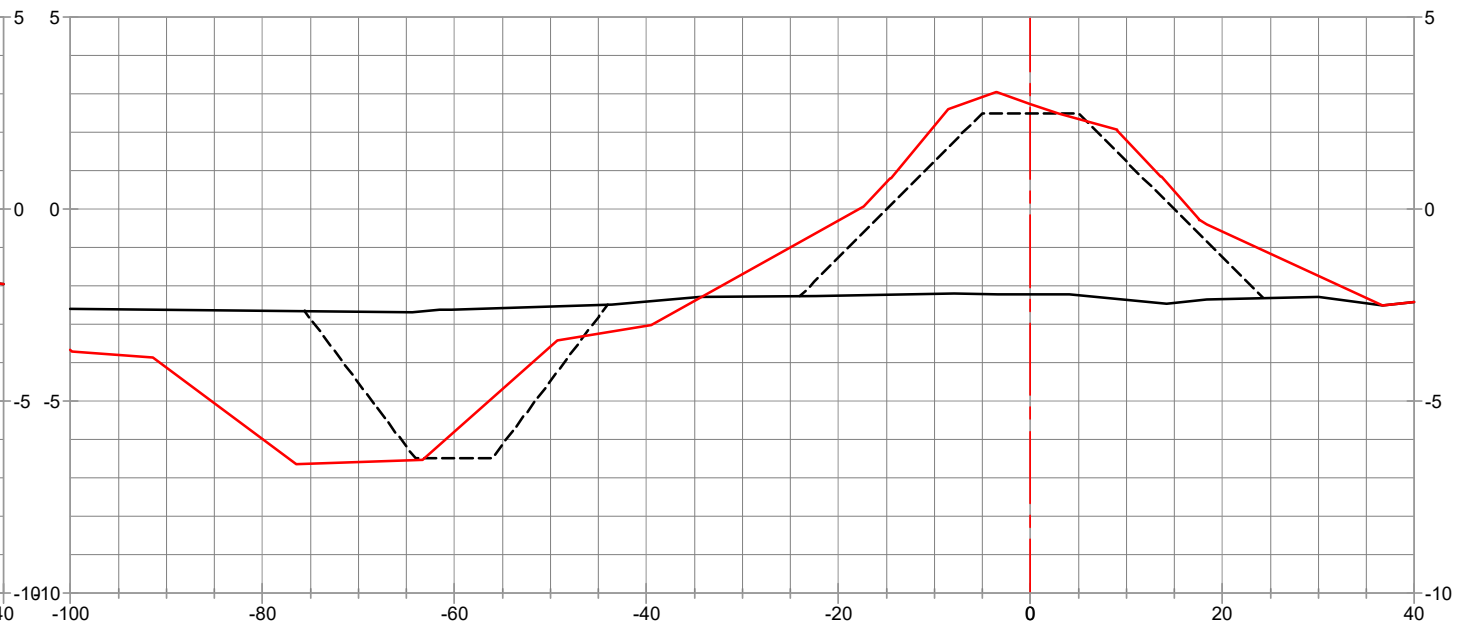
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

SHEET: 40 OF 112

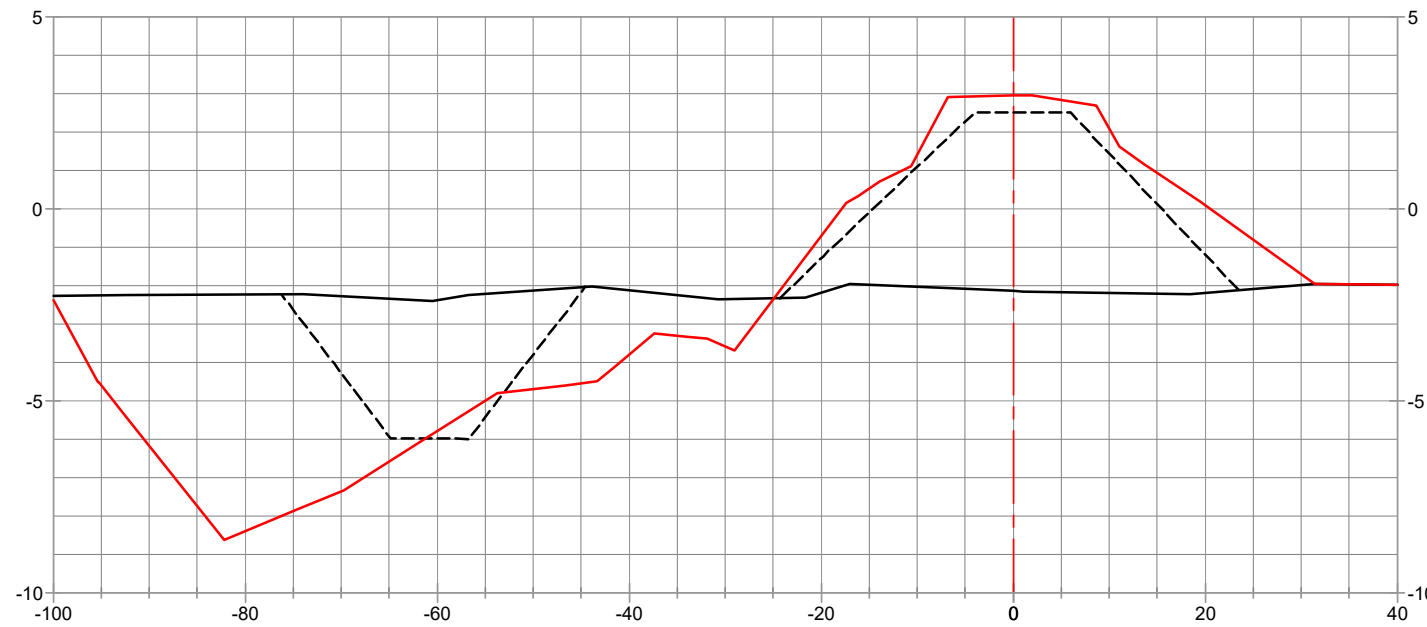




STA. 0+05 T120A



STA. 2+10 T120C

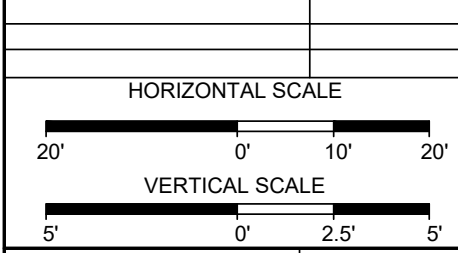


STA. 1+05 T120B



LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/21/2021)

REVISED BY:	DATE:

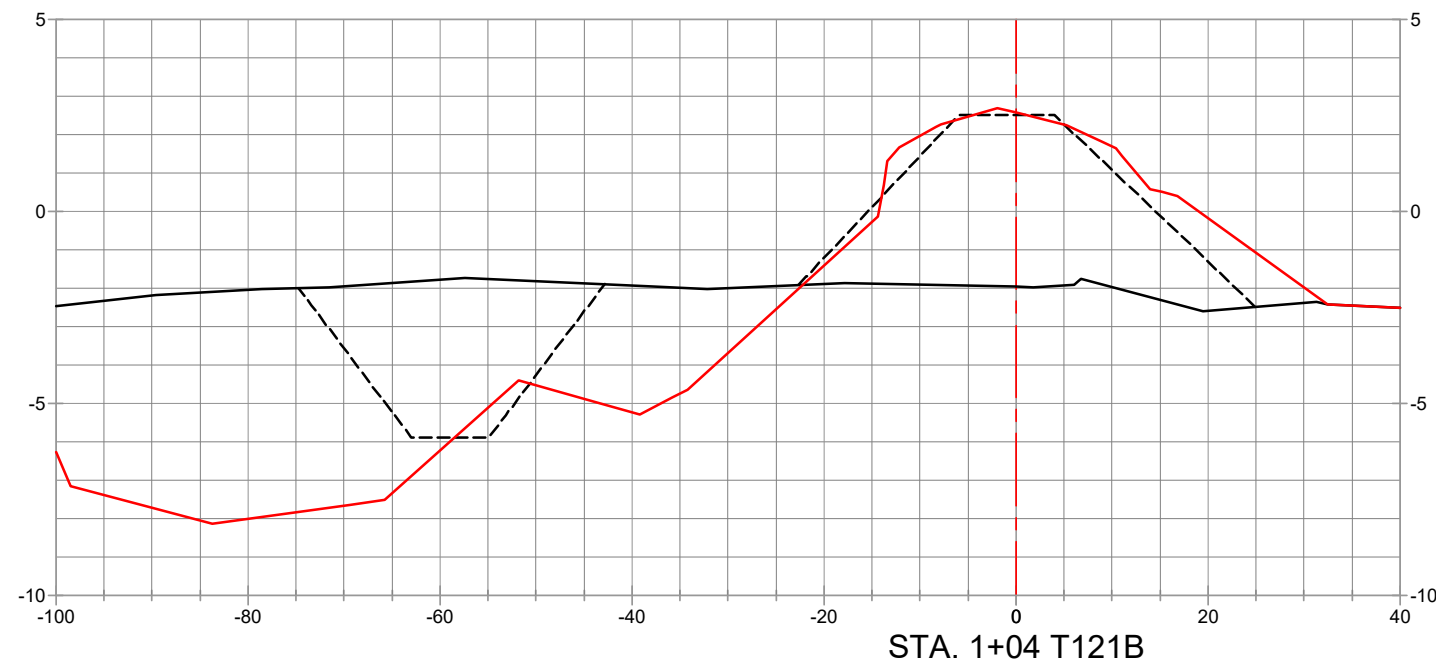
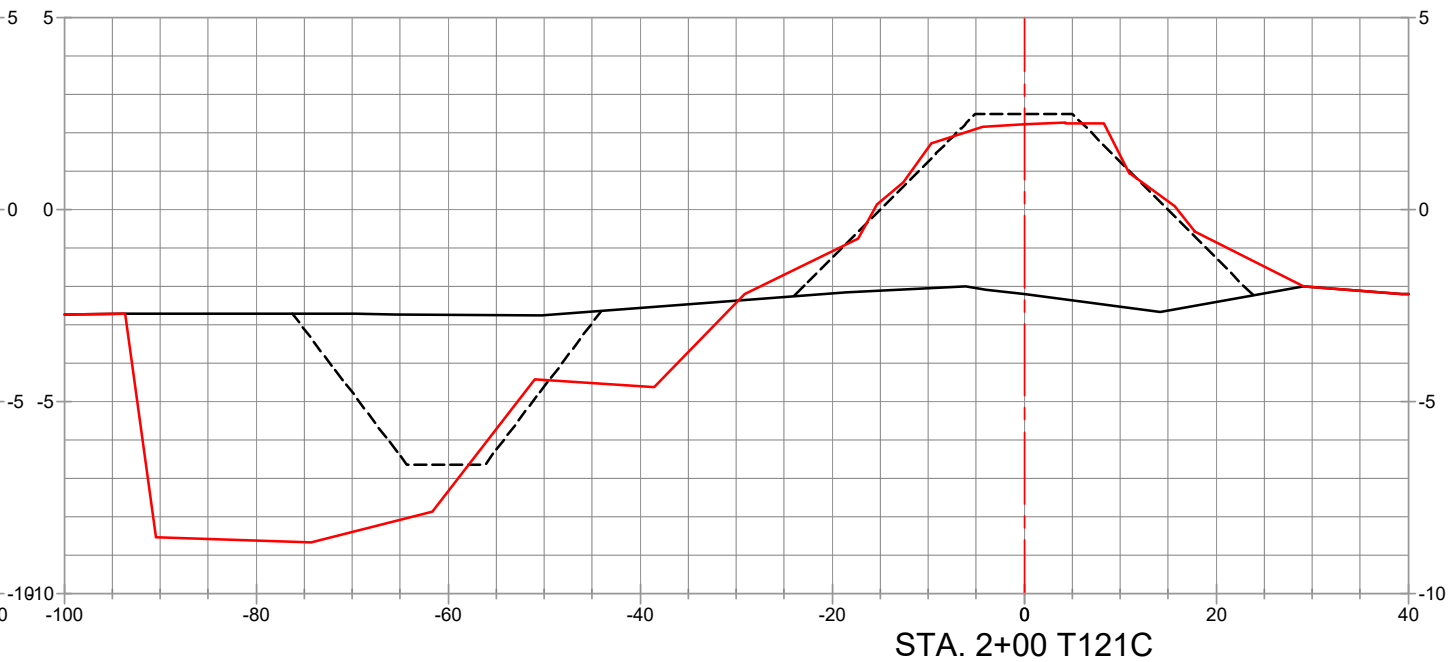
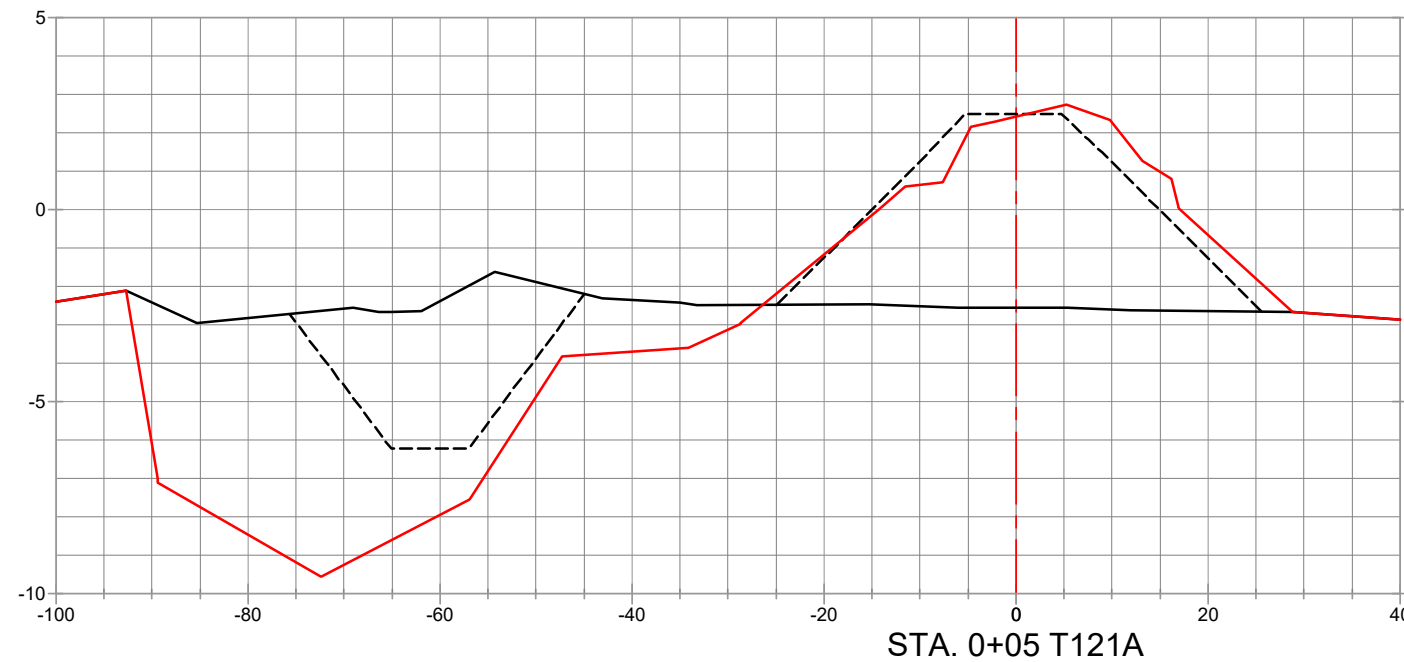


DATE: 06/09/2021	JOB# 2201113
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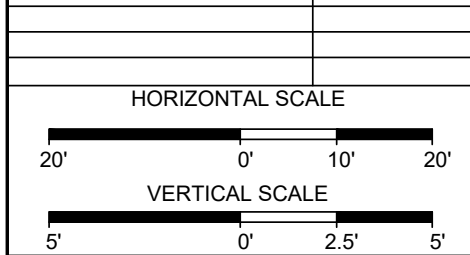
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

**SITE 1 - TERRACES**  
 CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 T120 SECTIONS  
 GALVESTON COUNTY, TEXAS



LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/21/2021)

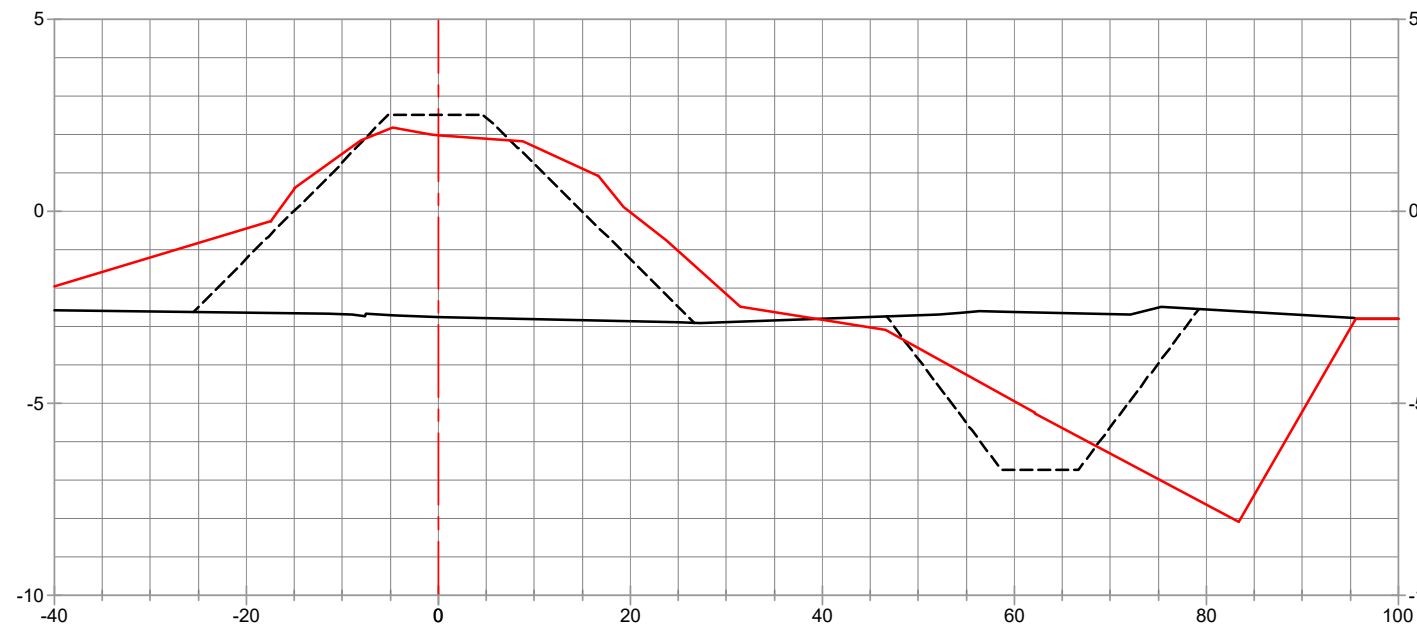
REVISED BY:	DATE:



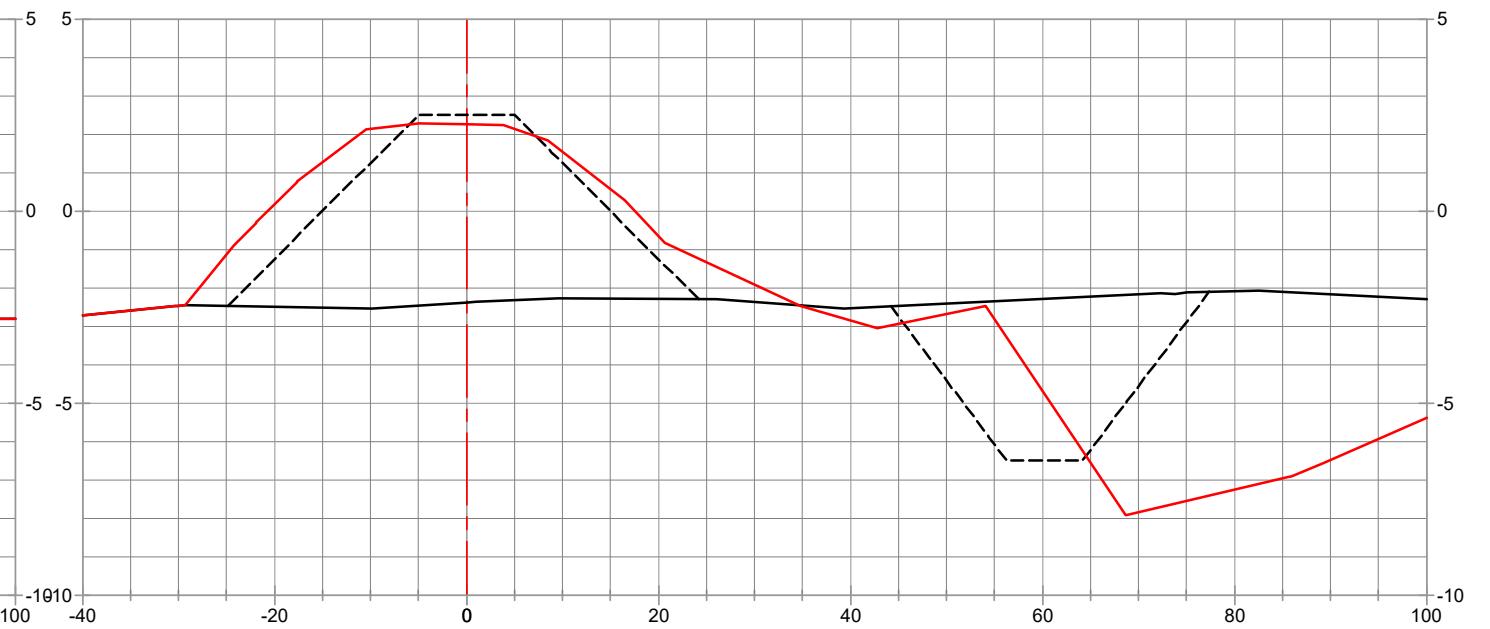
**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
**COMPILED AS-BUILTS**  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T121 SECTIONS  
 GALVESTON COUNTY, TEXAS

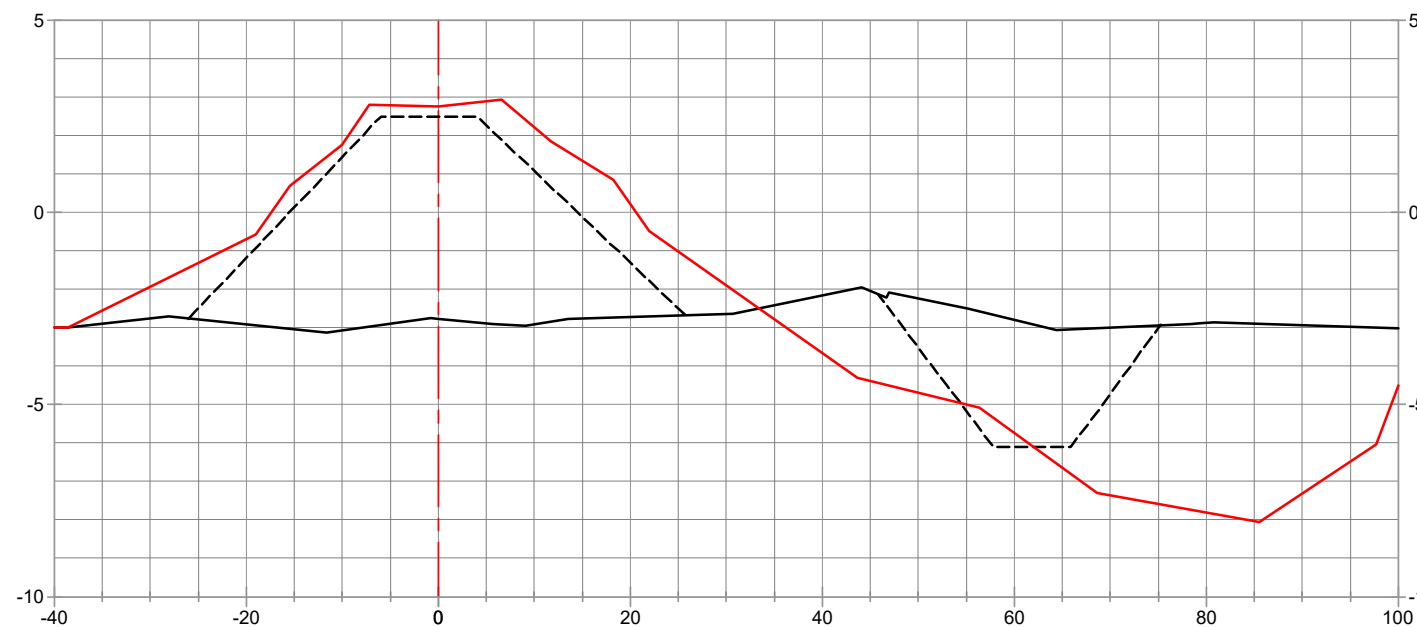
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583



STA. 0+05 T122A



STA. 2+09 T122C



STA. 1+05 T122B



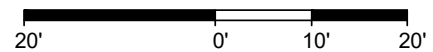
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (04/21/2021)

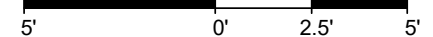
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T122 SECTIONS  
 GALVESTON COUNTY, TEXAS

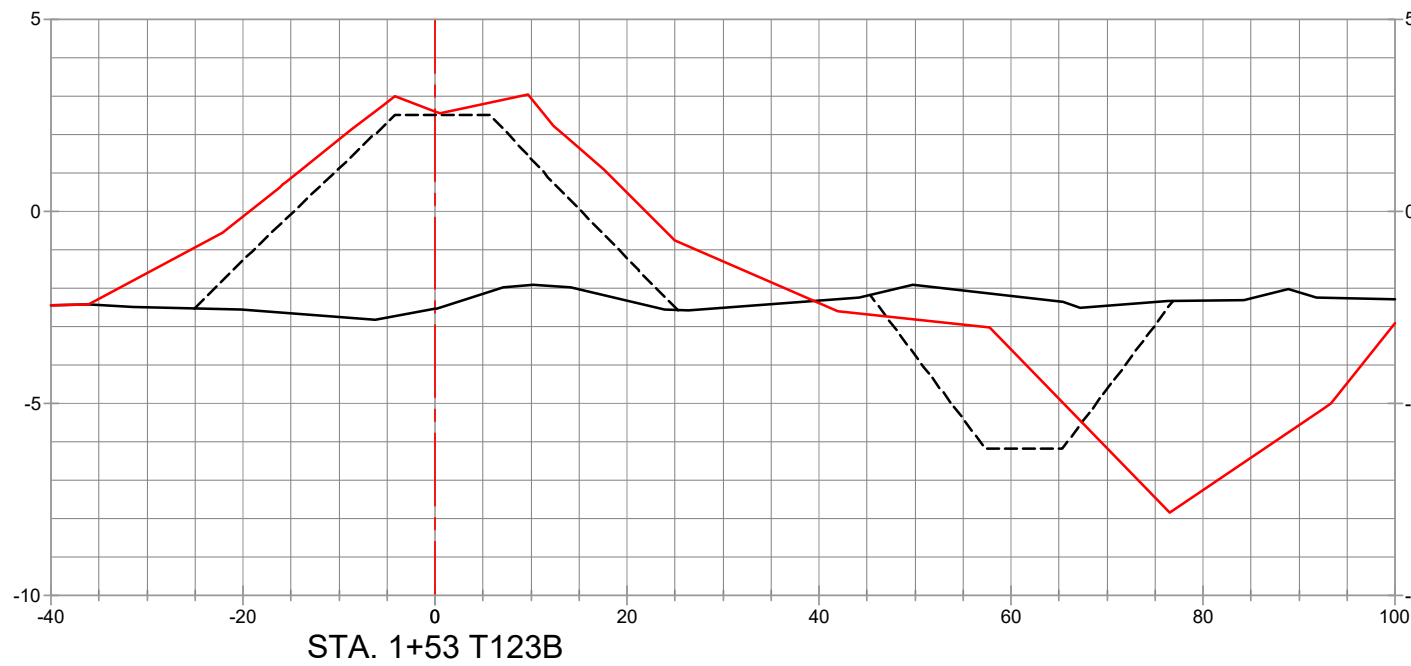
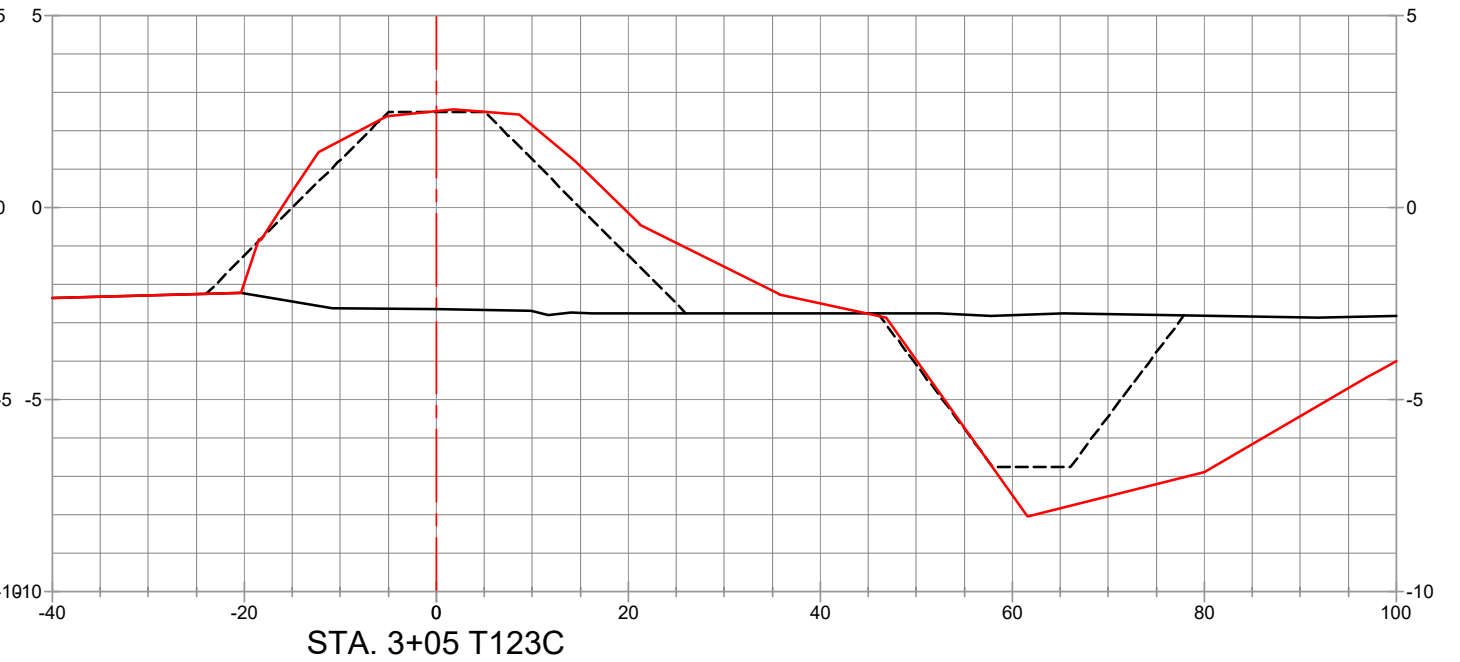
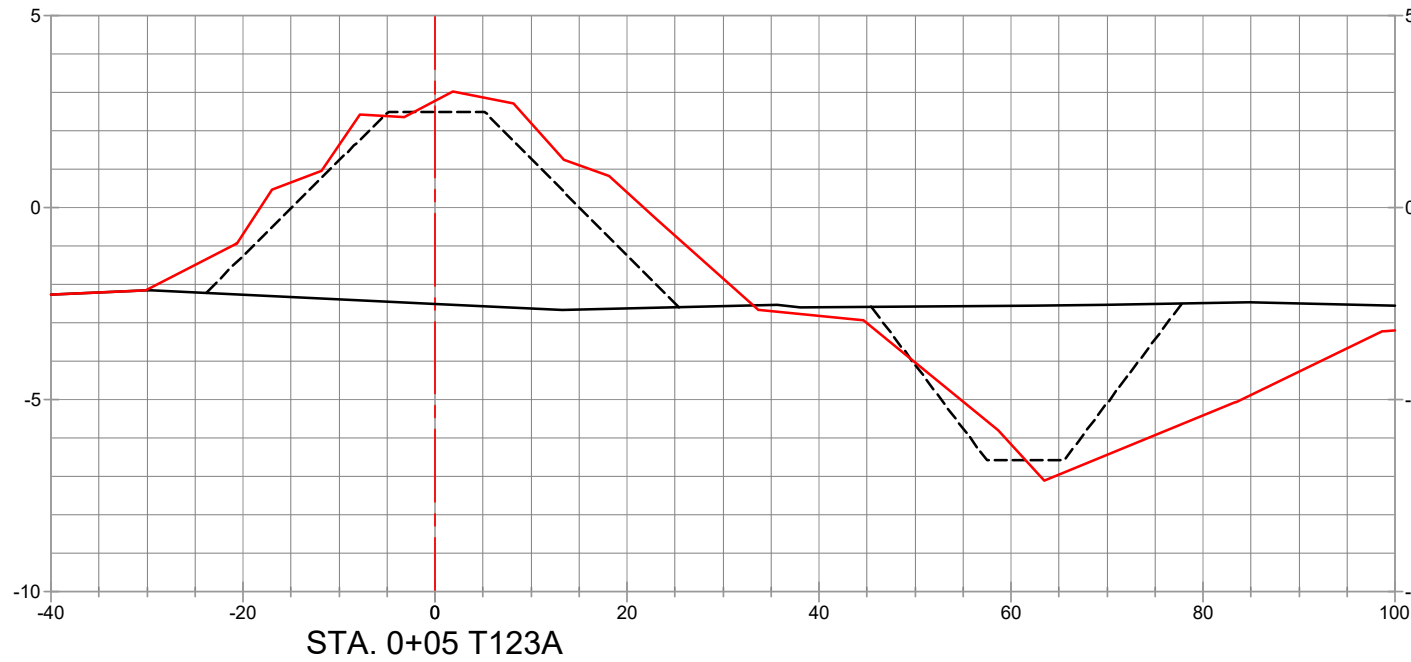
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

JOB# 2201113

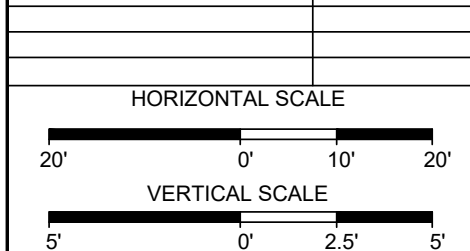
FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 43 OF 112

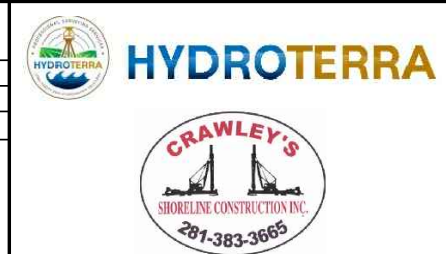


LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/21/2021)

REVISED BY:	DATE:



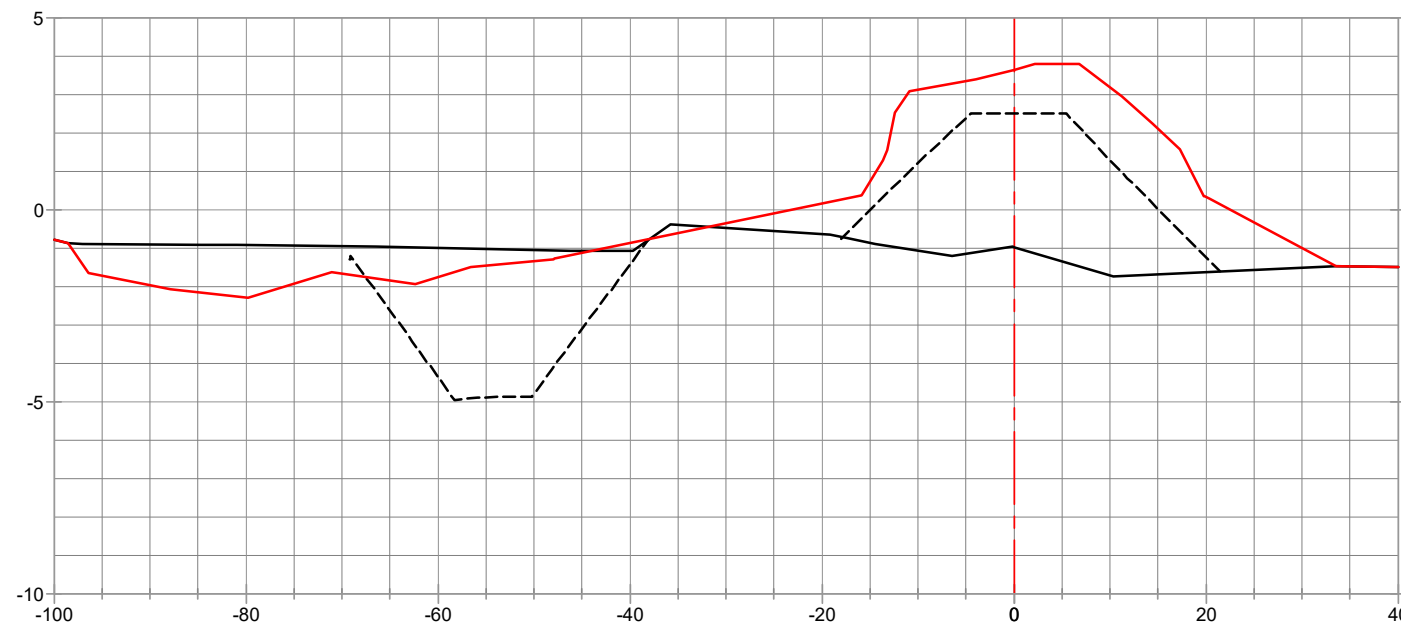
DATE: 06/09/2021	JOB# 2201113
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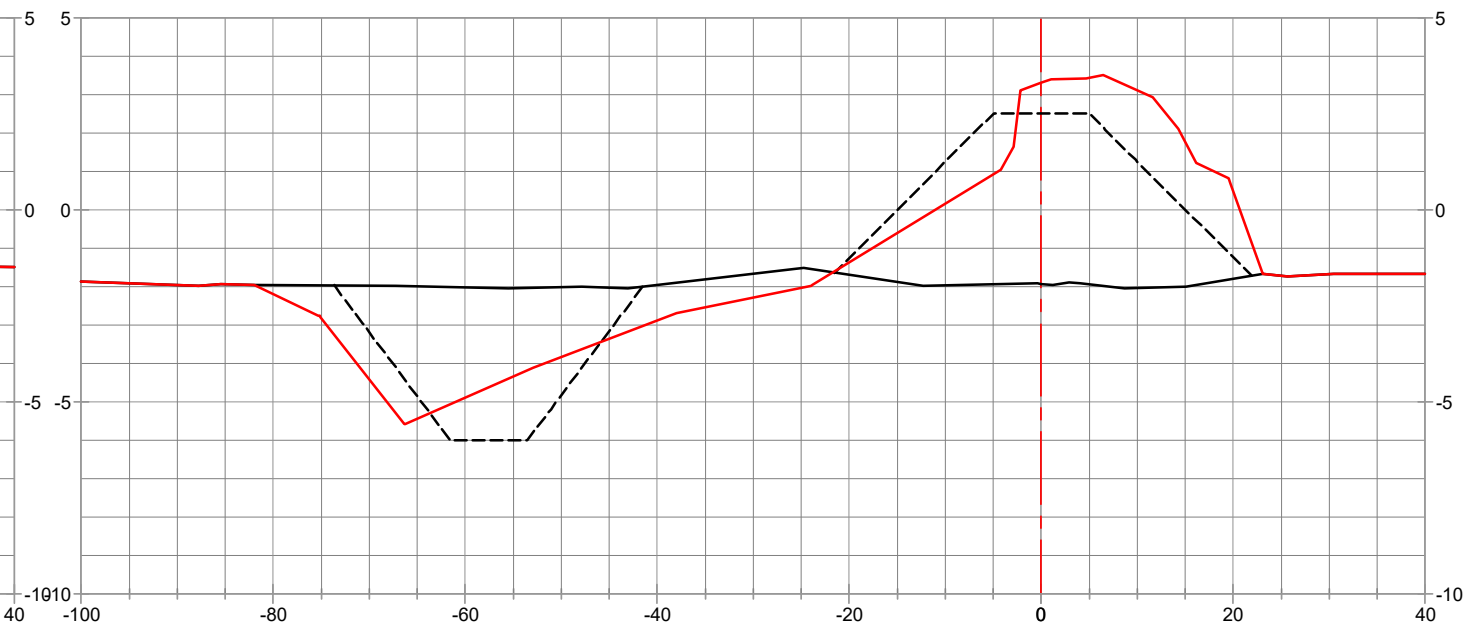
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

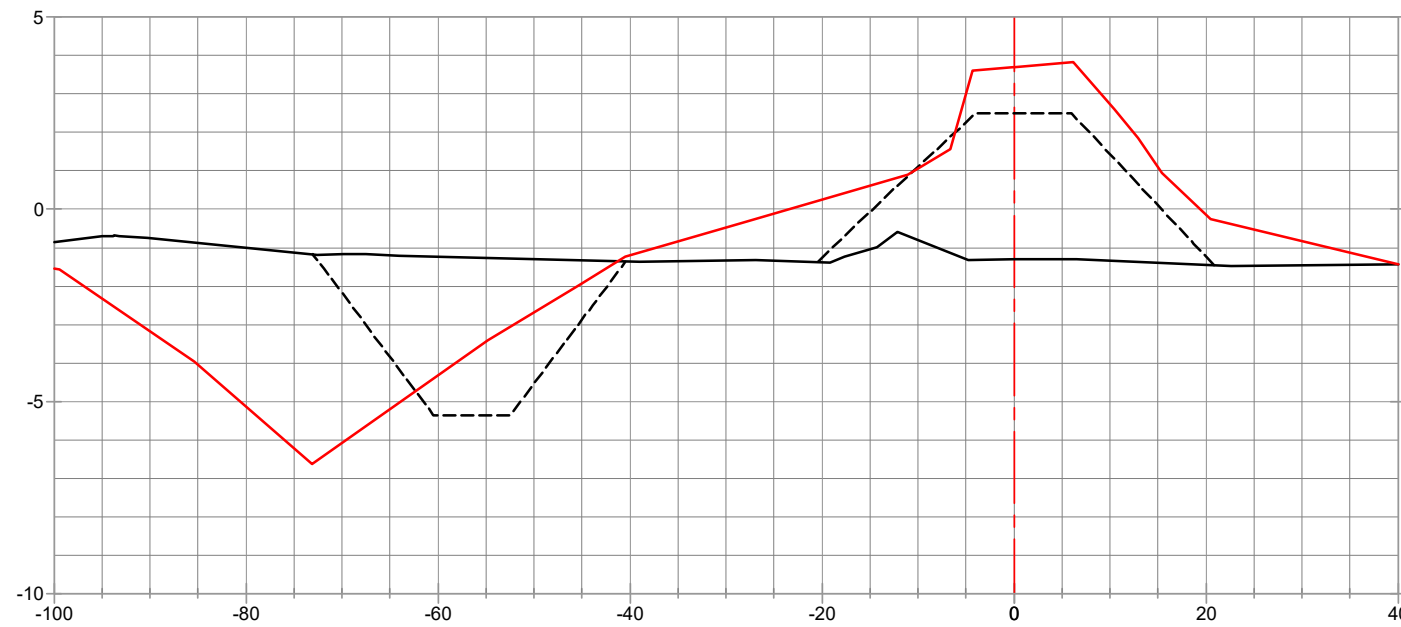
**SITE 1 - TERRACES**  
 CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 T123 SECTIONS  
 GALVESTON COUNTY, TEXAS



STA. 0+07 T124A



STA. 3+90 T124C



STA. 1+95 T124B



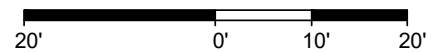
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (04/19/2021)

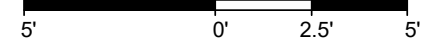
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T124 SECTIONS  
 GALVESTON COUNTY, TEXAS

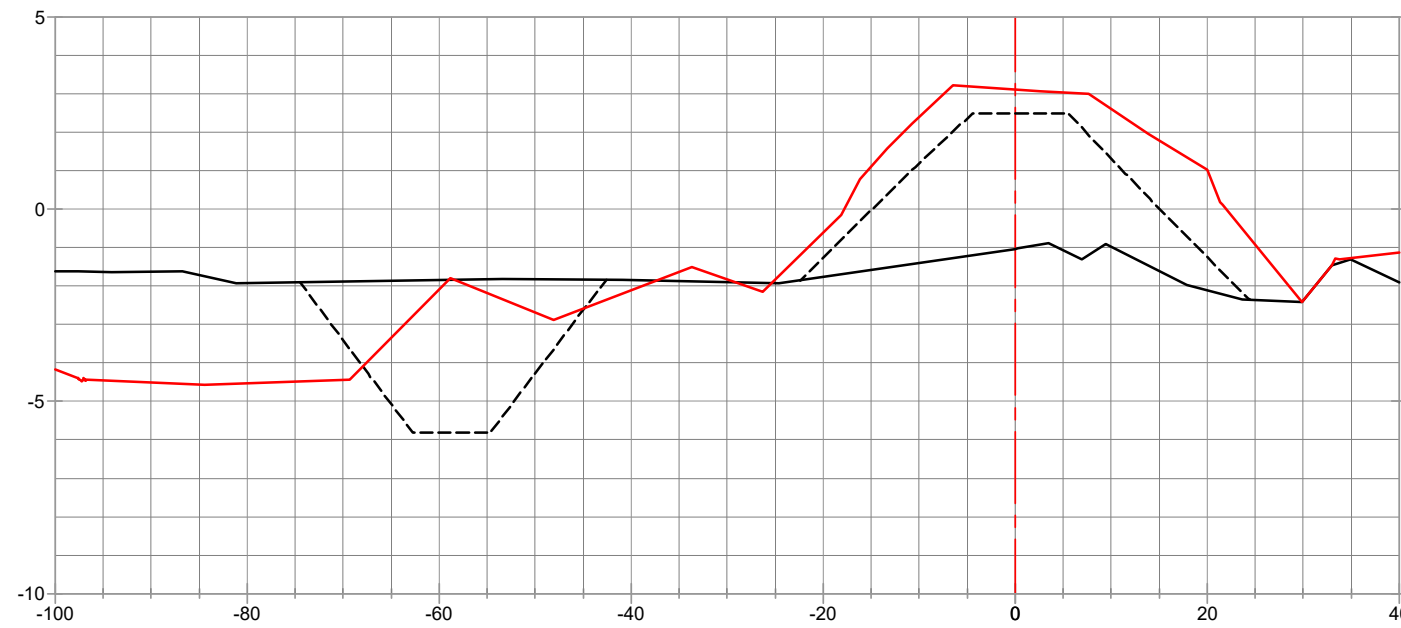
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

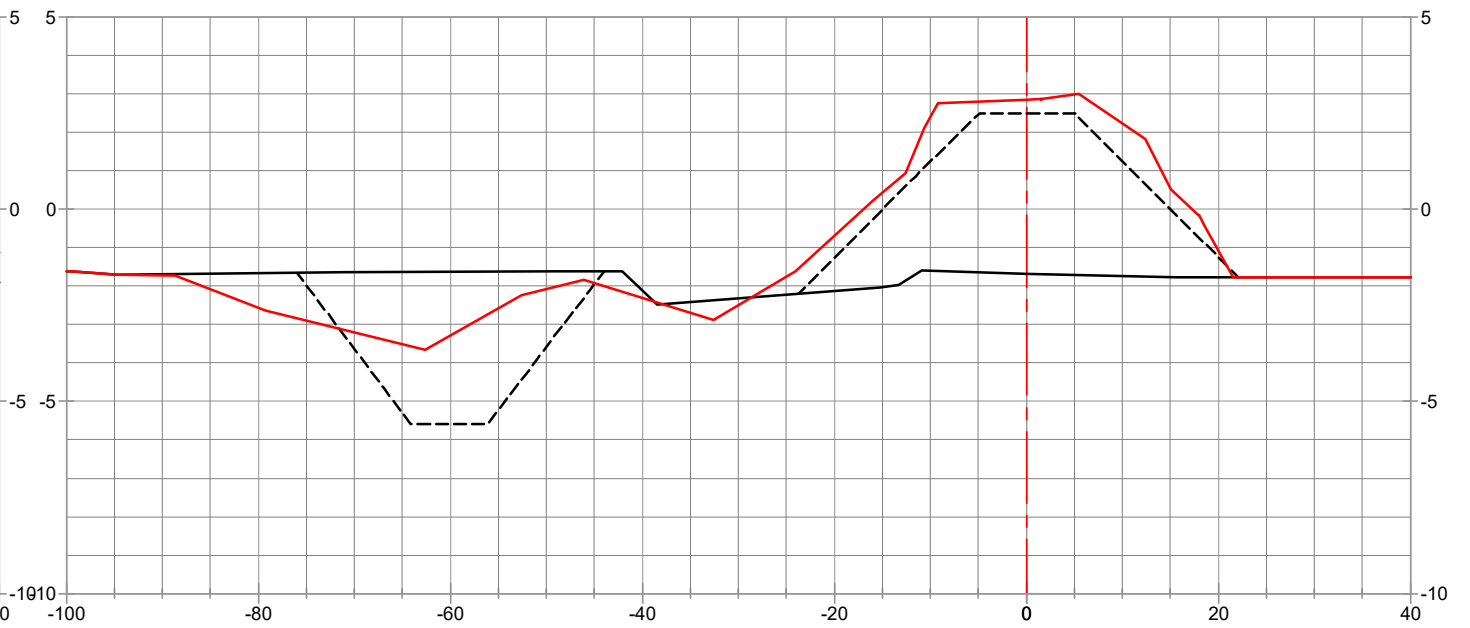
JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

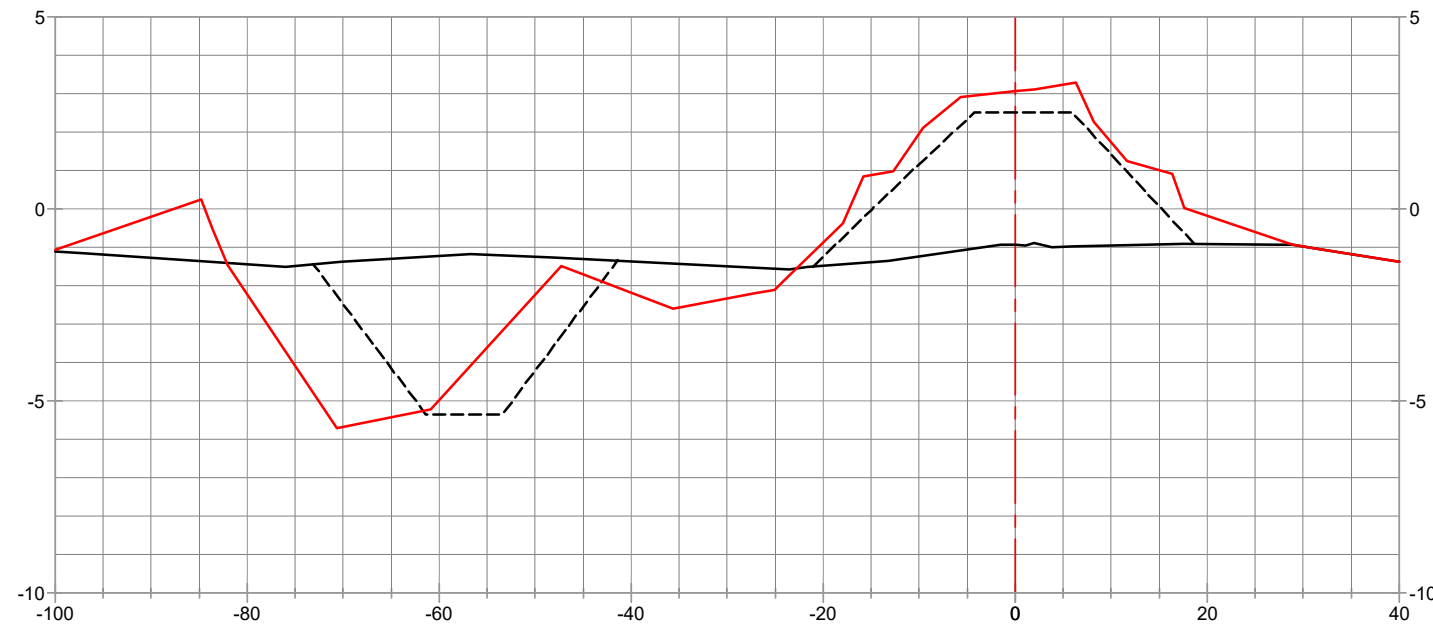
SHEET: 45 OF 112



STA. 0+05 T125A



STA. 3+00 T125C



STA. 1+51 T125B



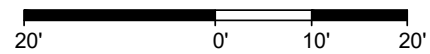
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (04/21/2021)

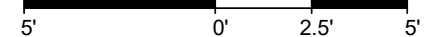
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T125 SECTIONS  
 GALVESTON COUNTY, TEXAS

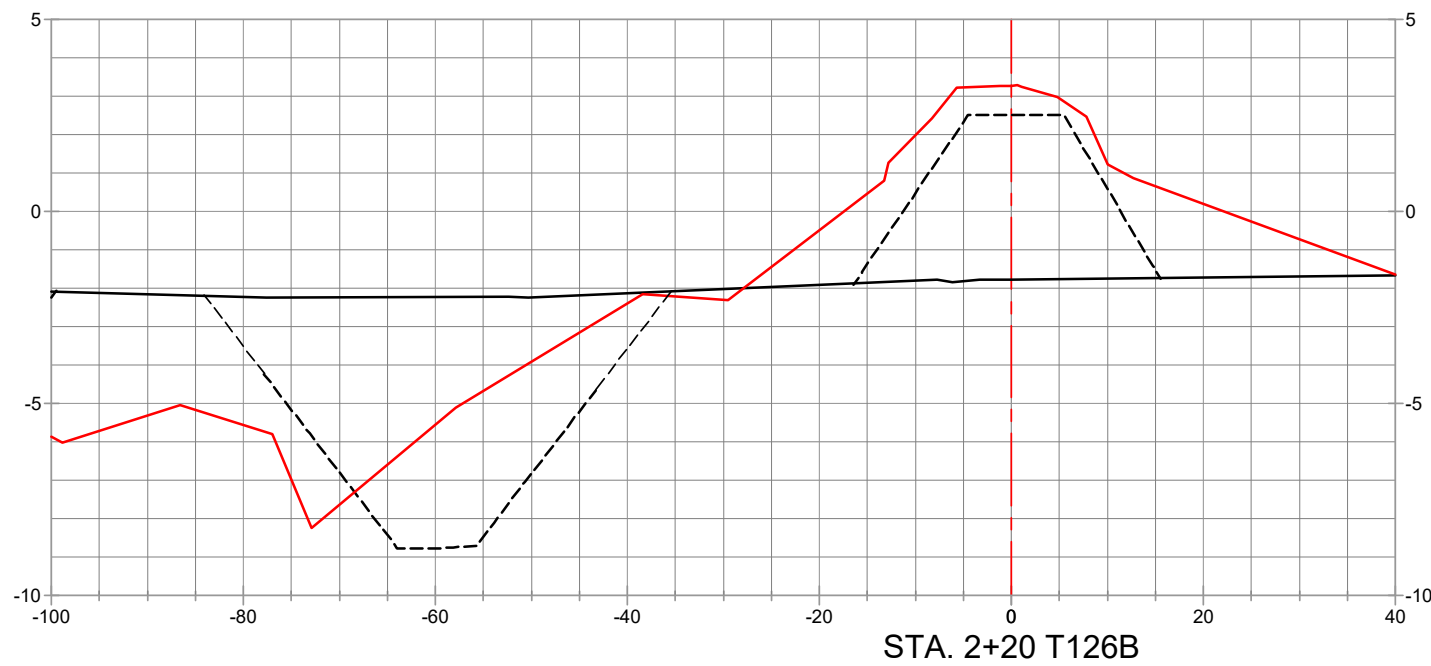
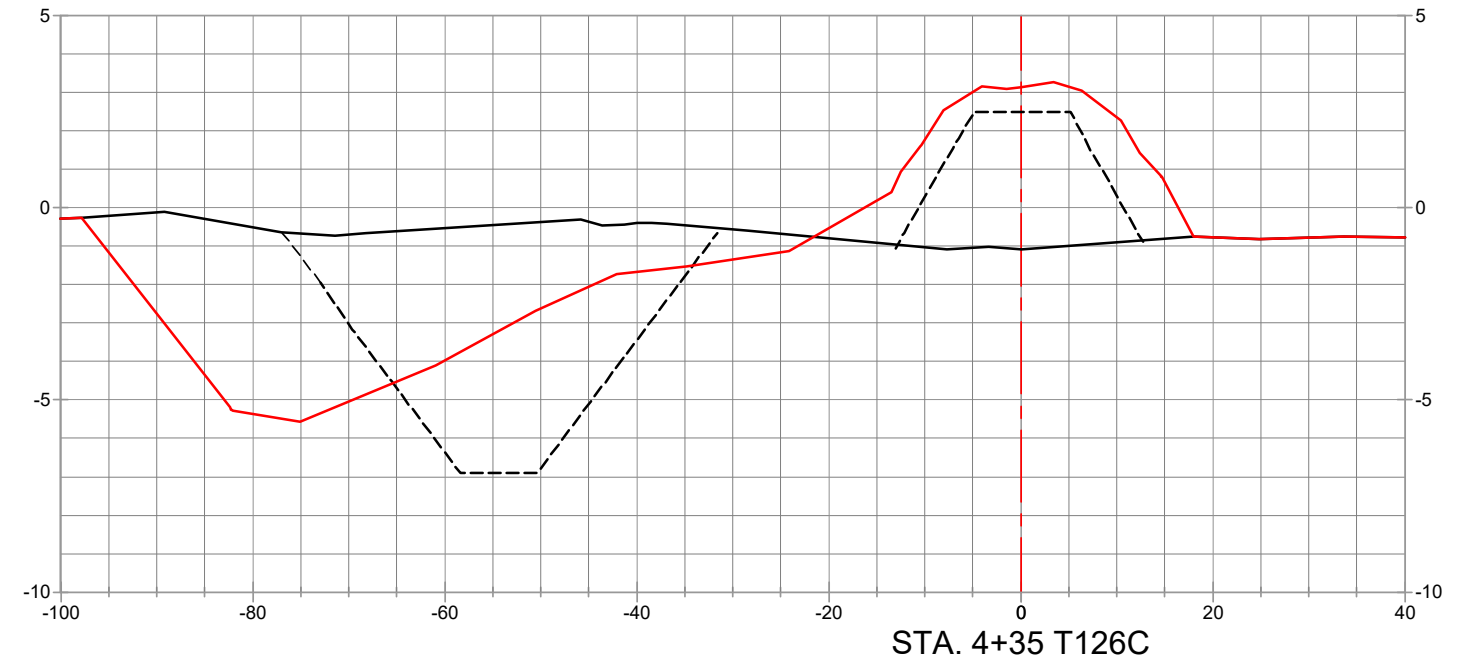
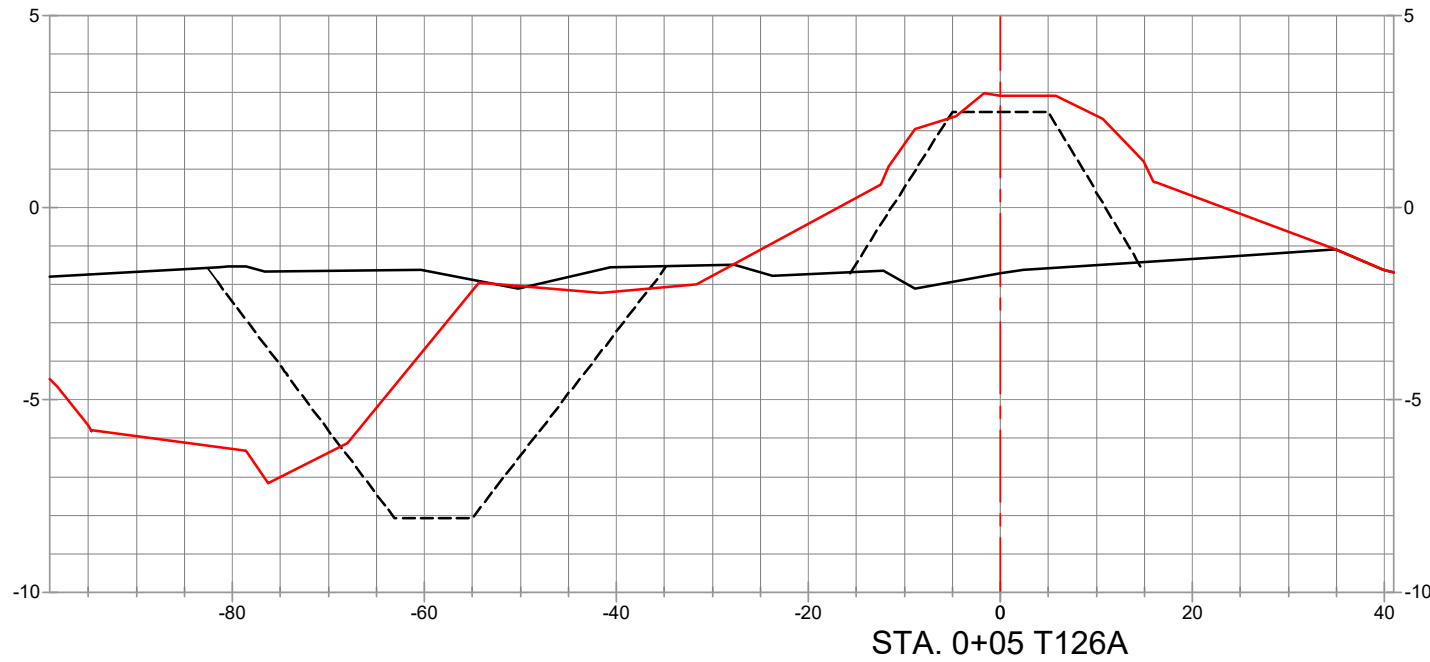
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET:46 OF 112



LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/19/2021)

REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113

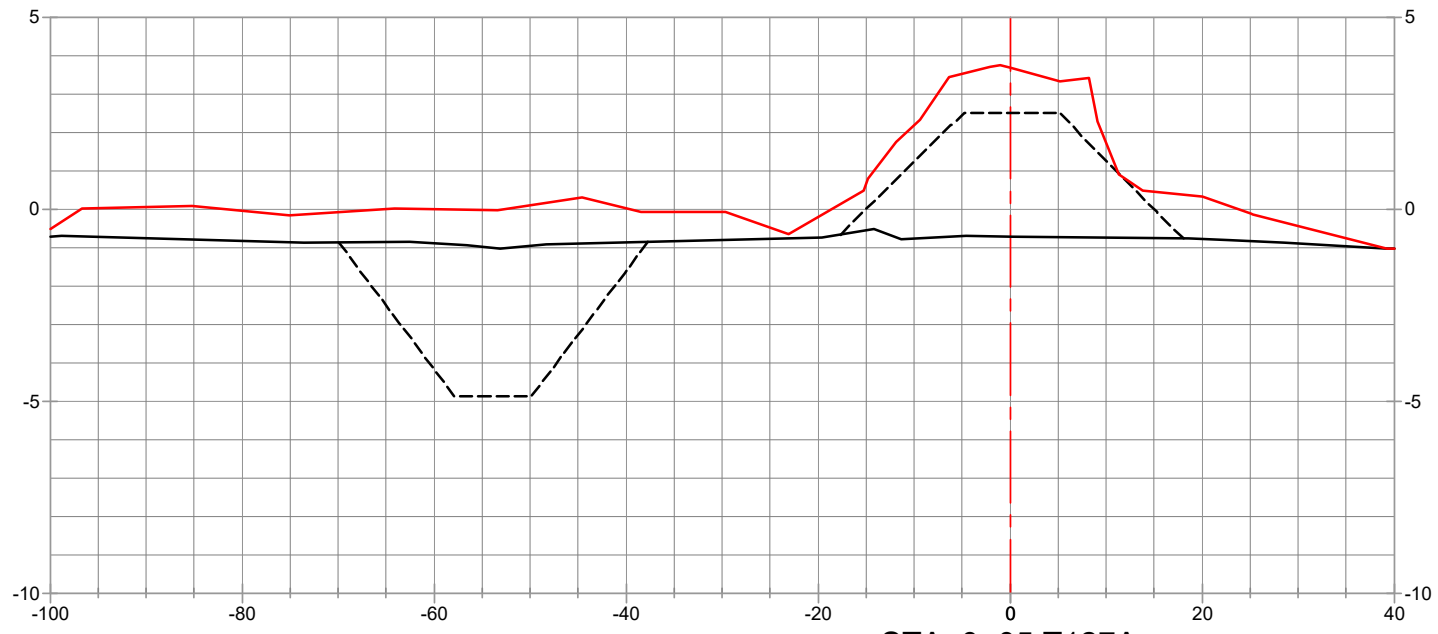
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

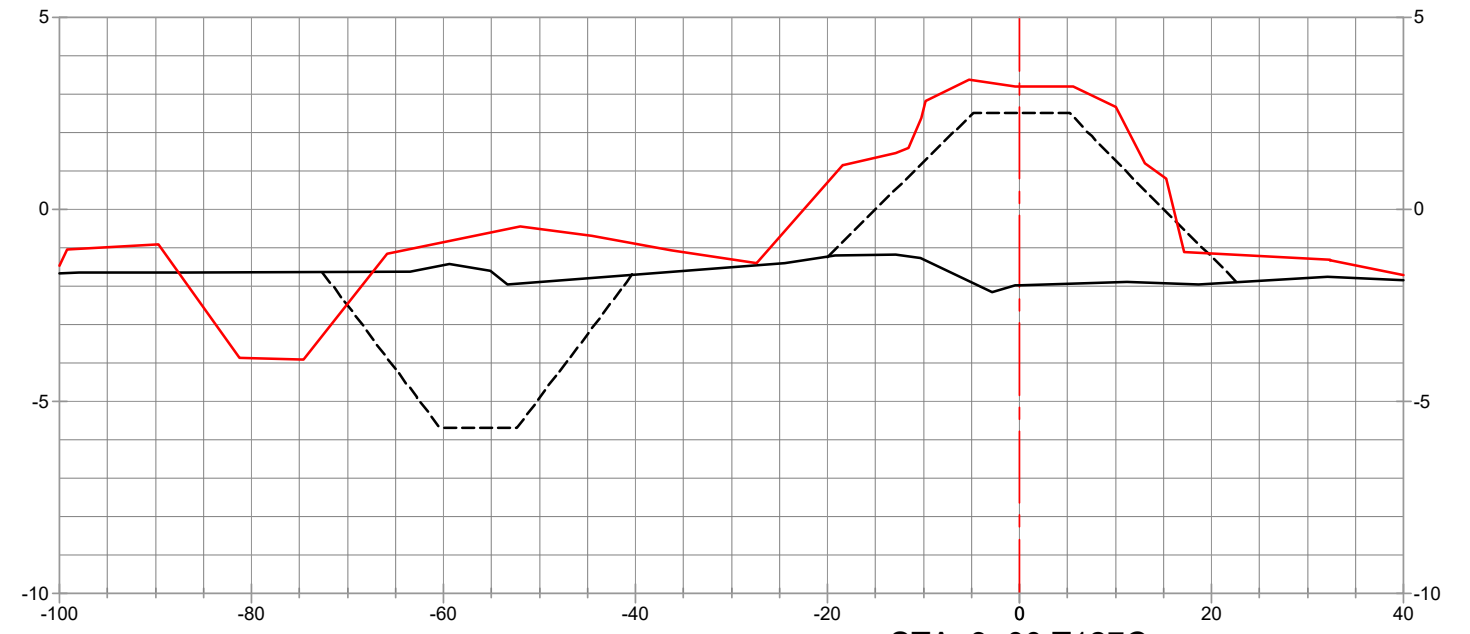
**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 T126 SECTIONS  
 GALVESTON COUNTY, TEXAS

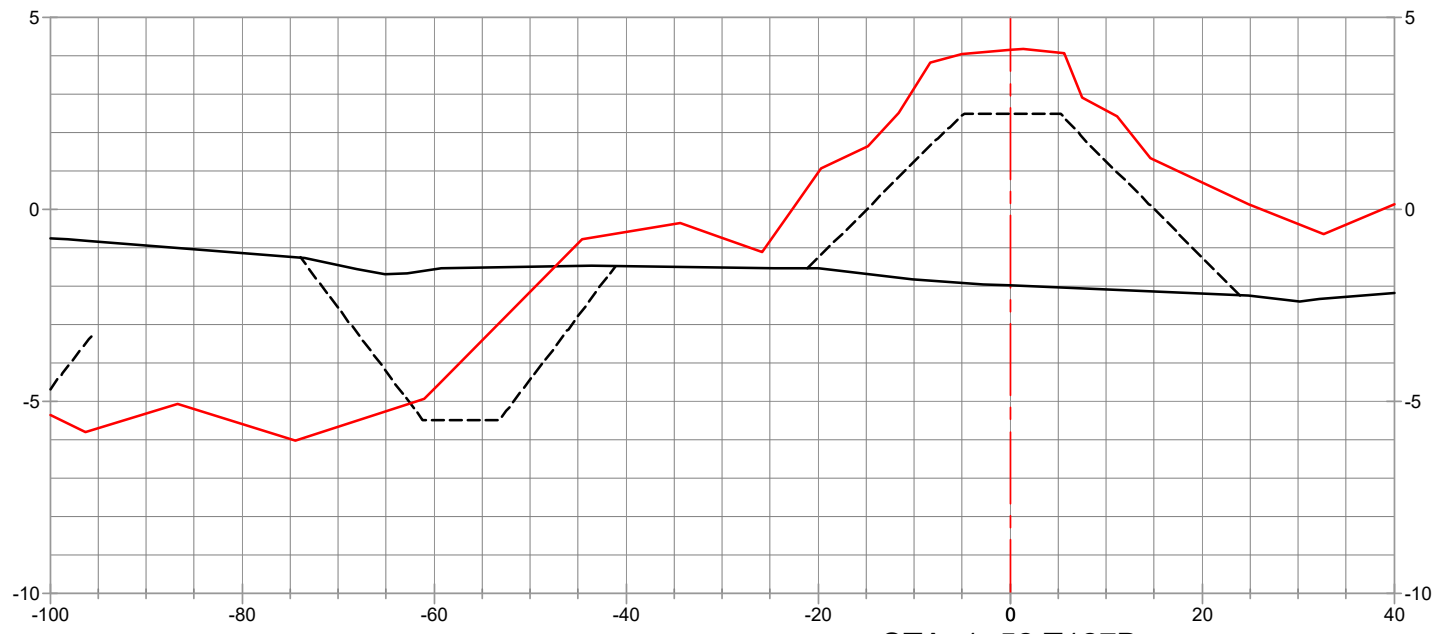
SHEET: 47 OF 112



STA. 0+05 T127A



STA. 3+00 T127C



STA. 1+52 T127B



LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/19/2021)

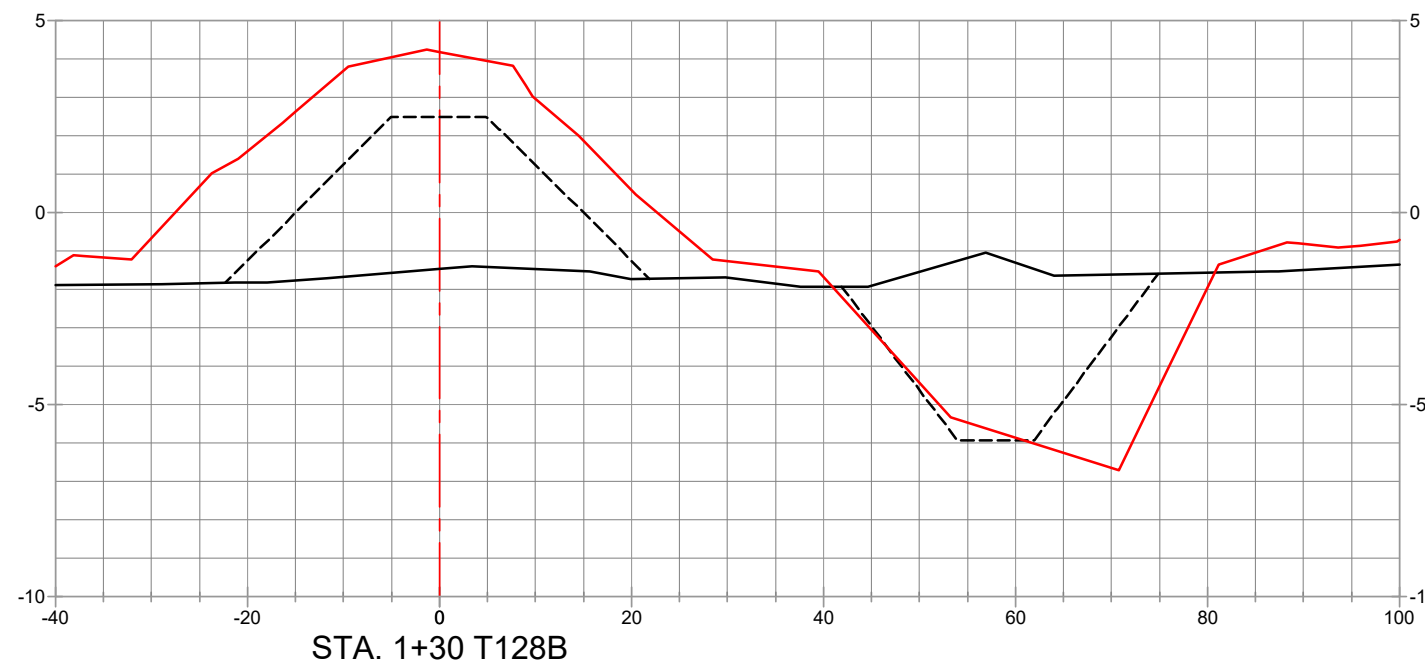
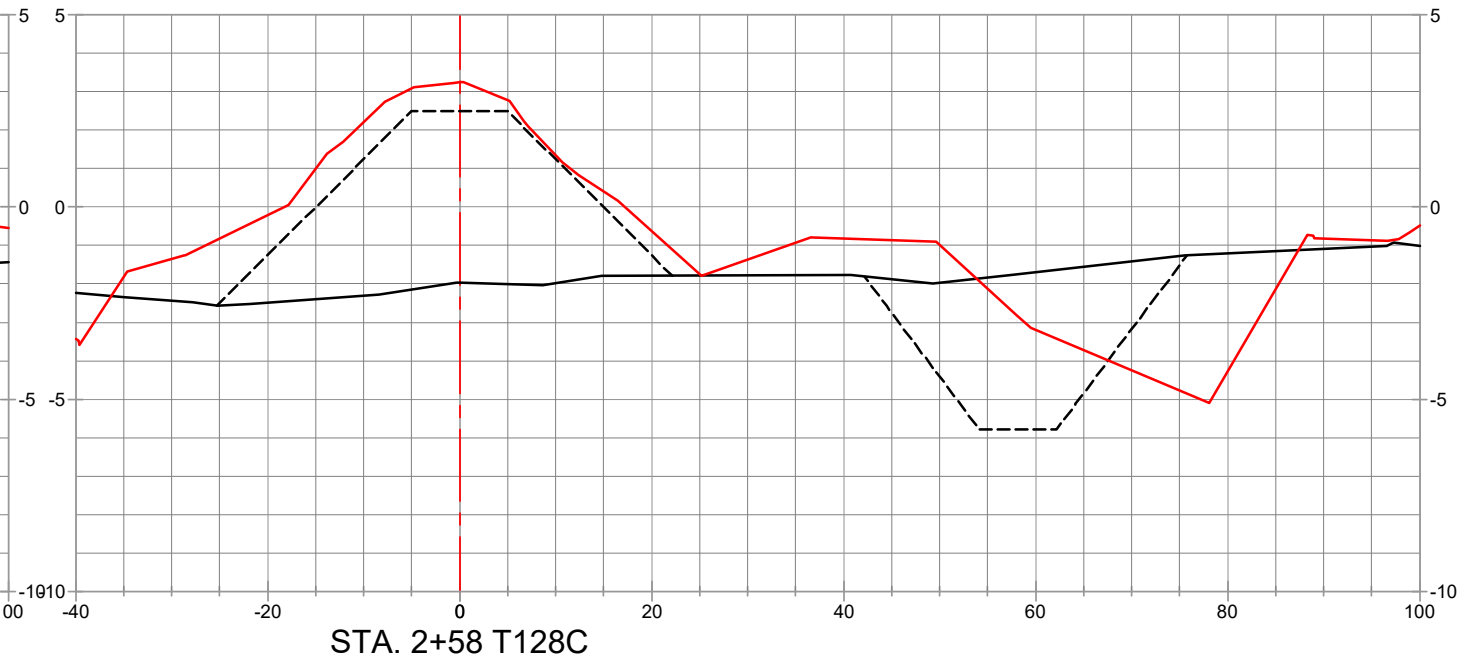
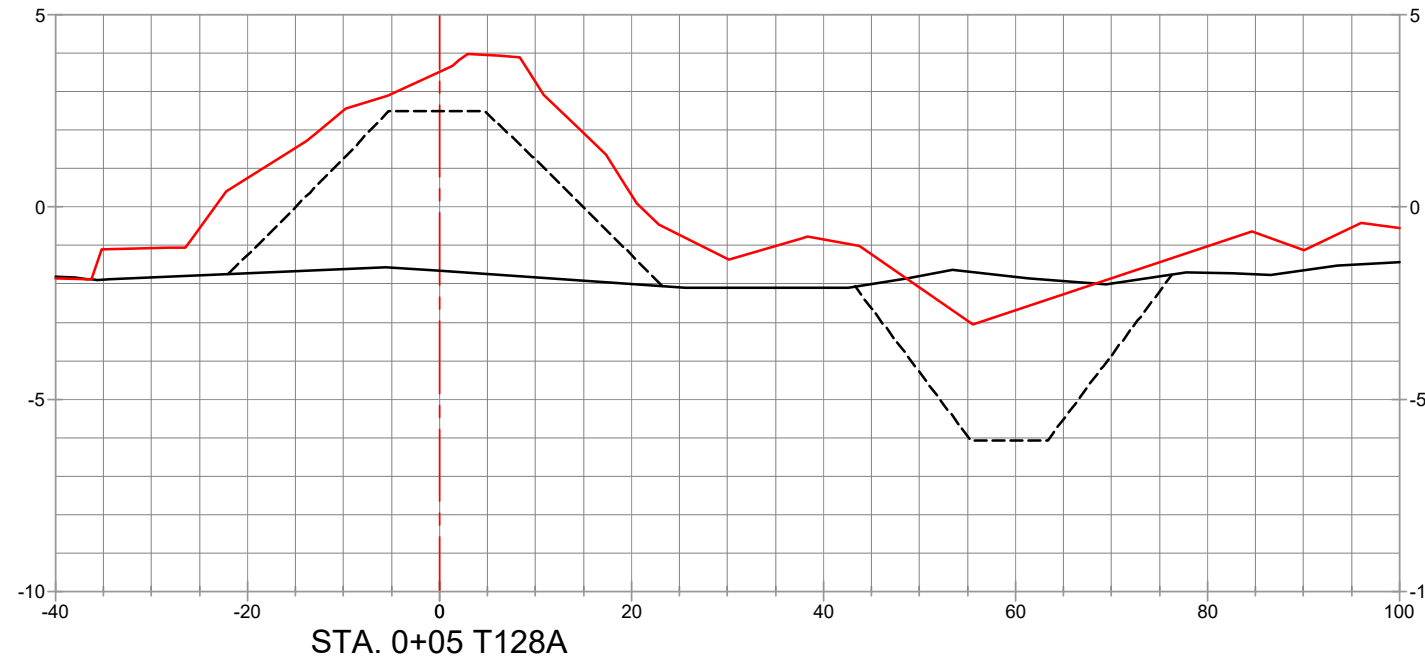
REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T127 SECTIONS  
 GALVESTON COUNTY, TEXAS





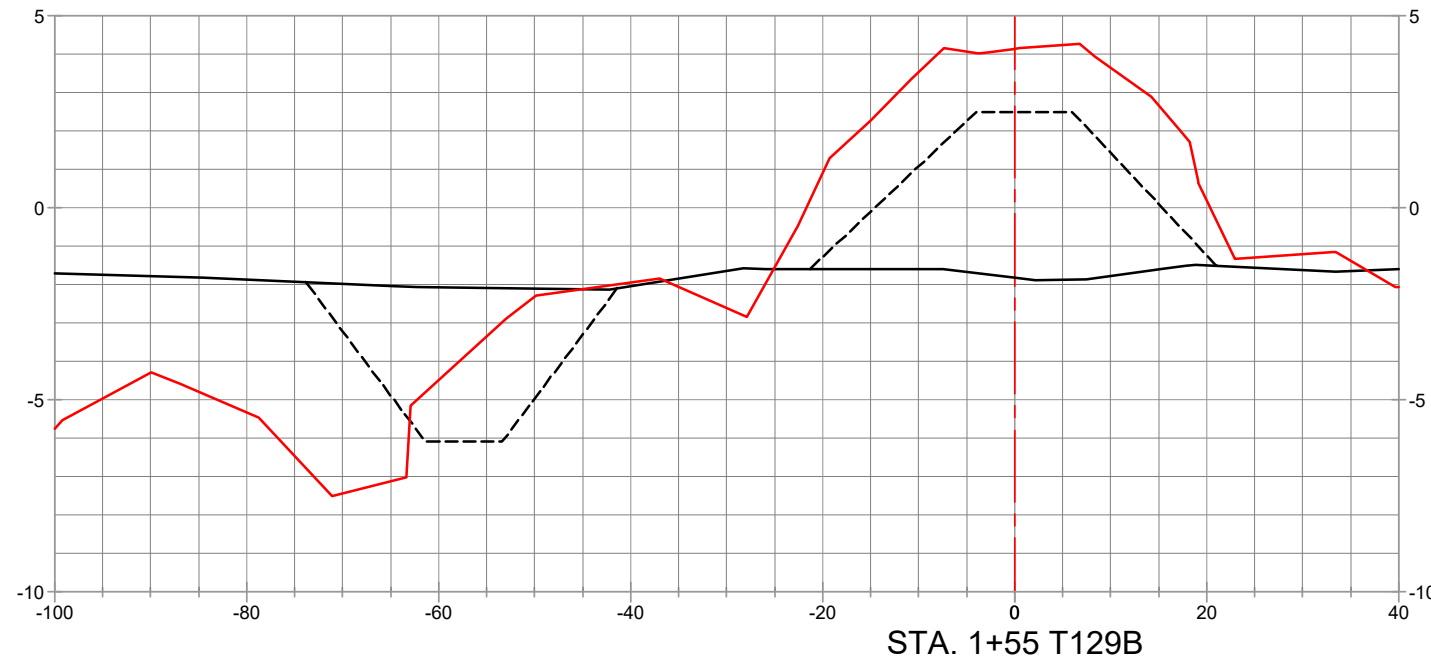
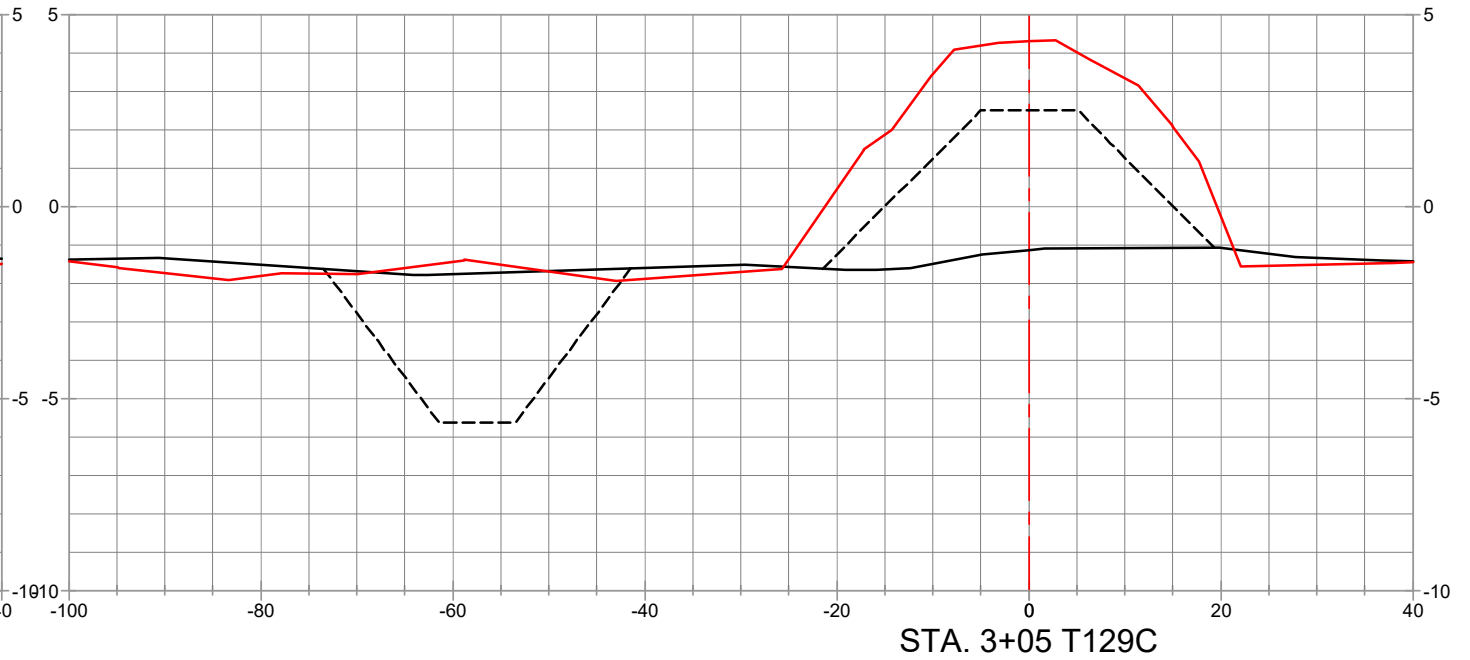
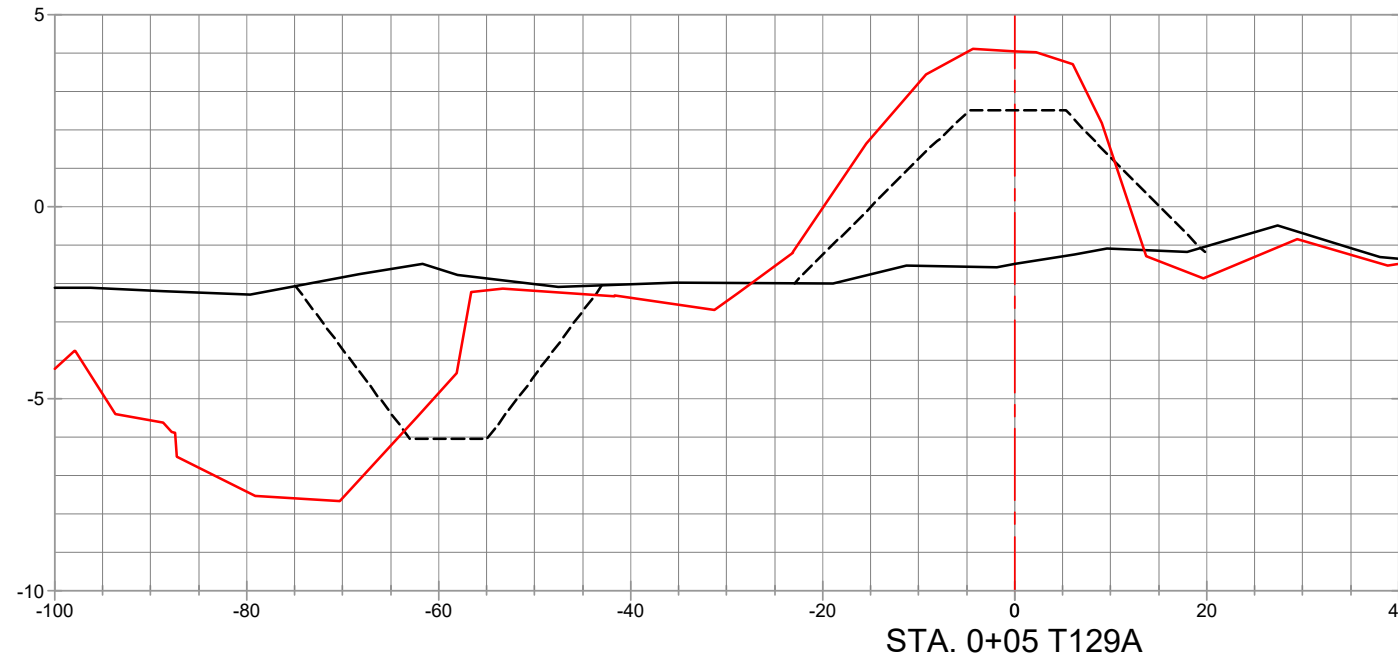
LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/06/2021)

REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
**COMPILED AS-BUILTS**  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T128 SECTIONS  
 GALVESTON COUNTY, TEXAS



LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/12/2021)

REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113

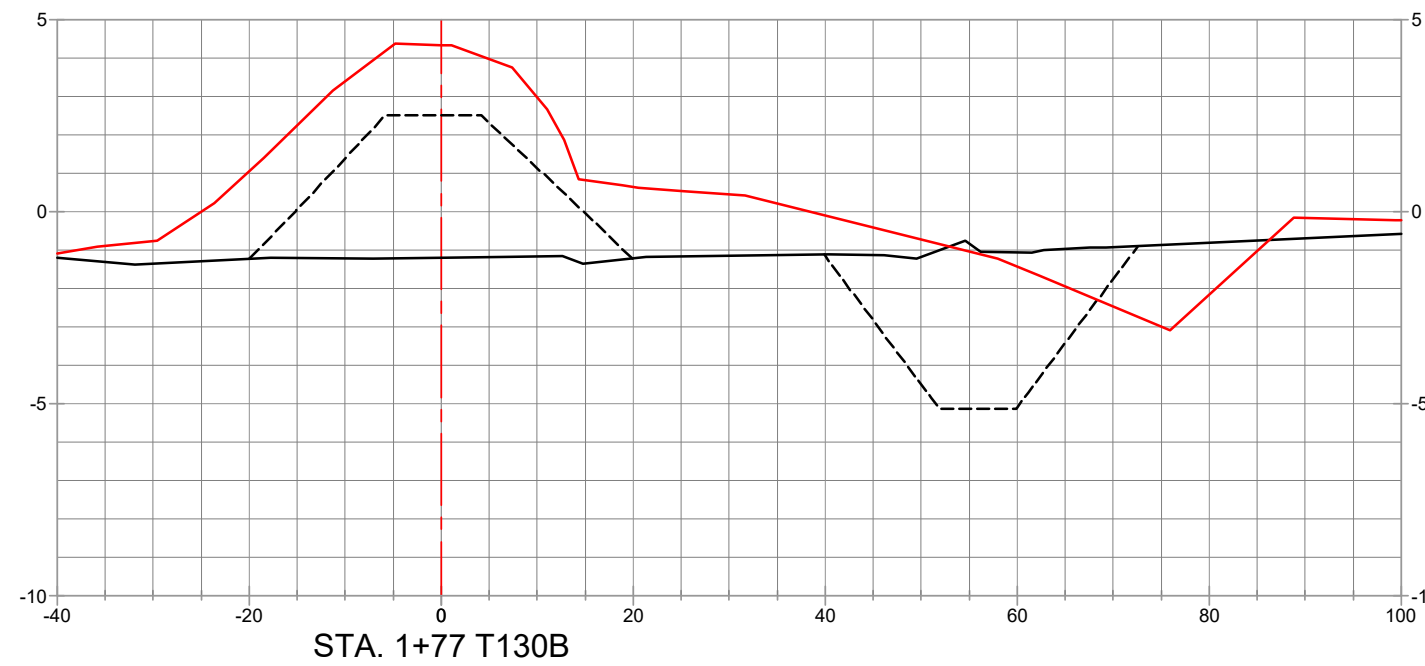
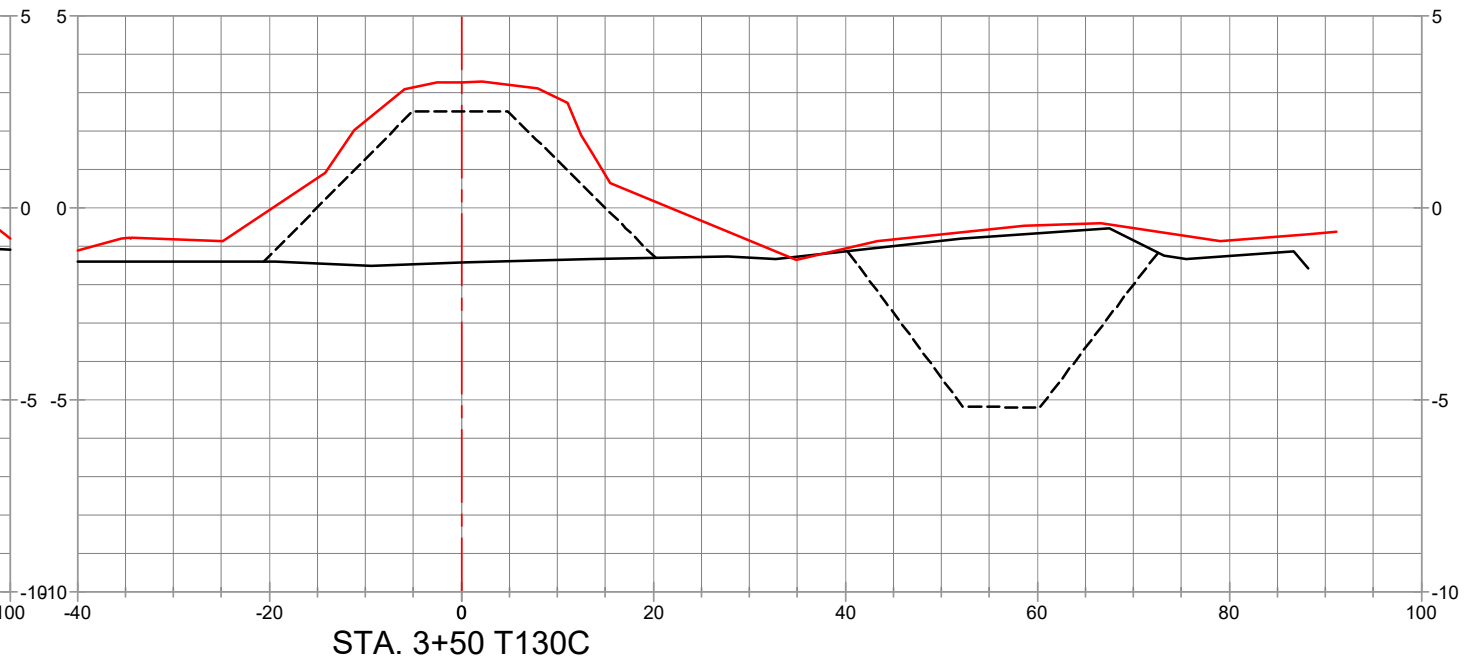
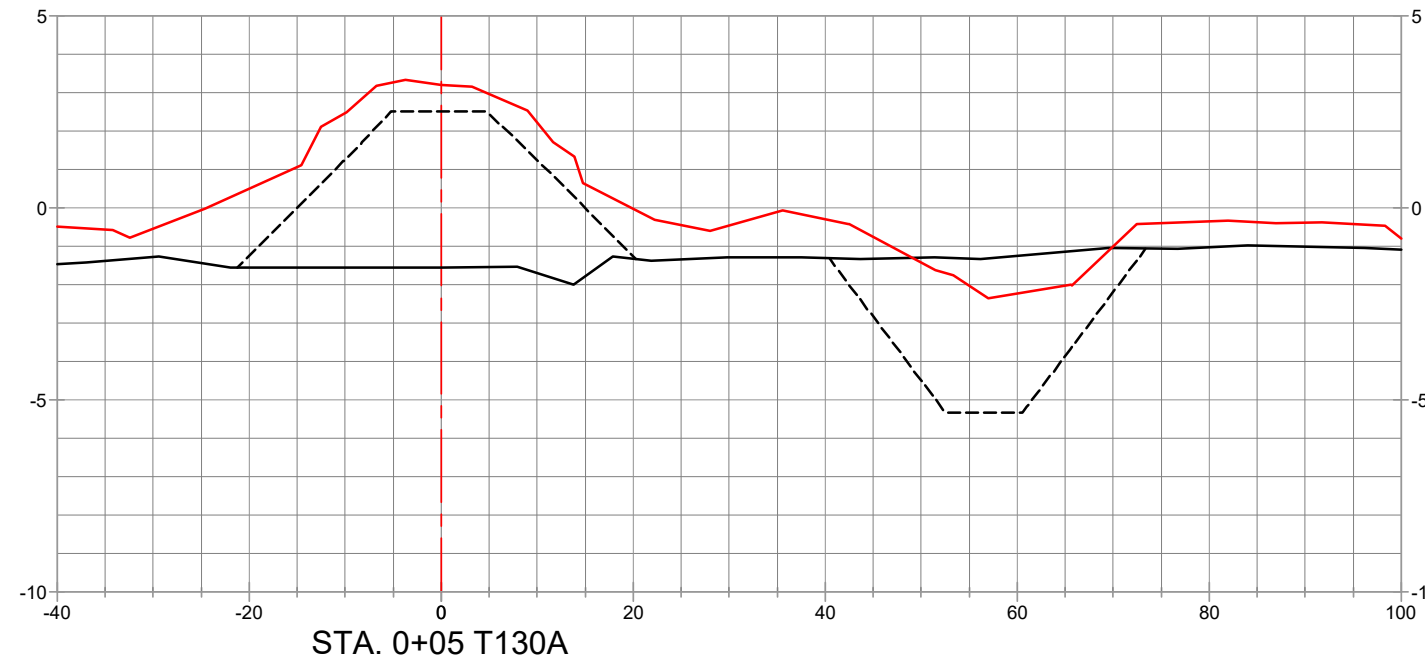
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
**COMPILED AS-BUILTS**  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T129 SECTIONS  
 GALVESTON COUNTY, TEXAS

SHEET: 50 OF 112



LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/06/2021)

REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113

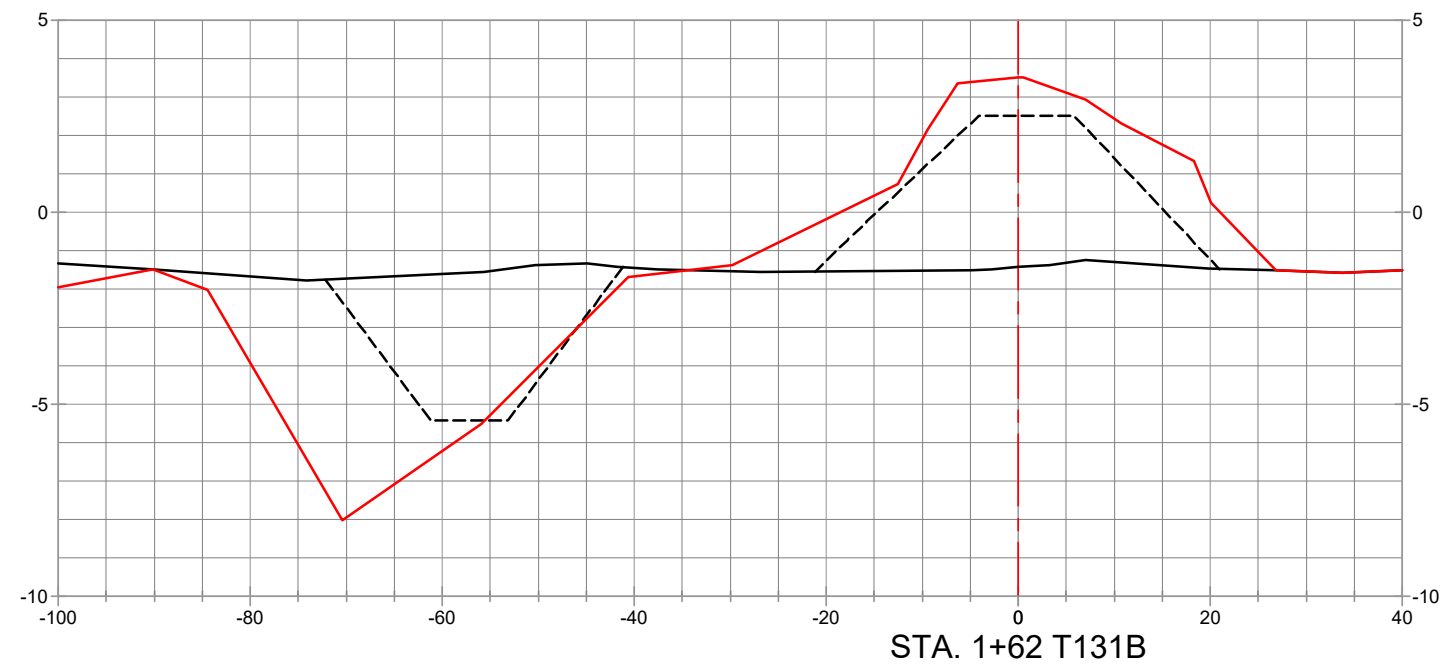
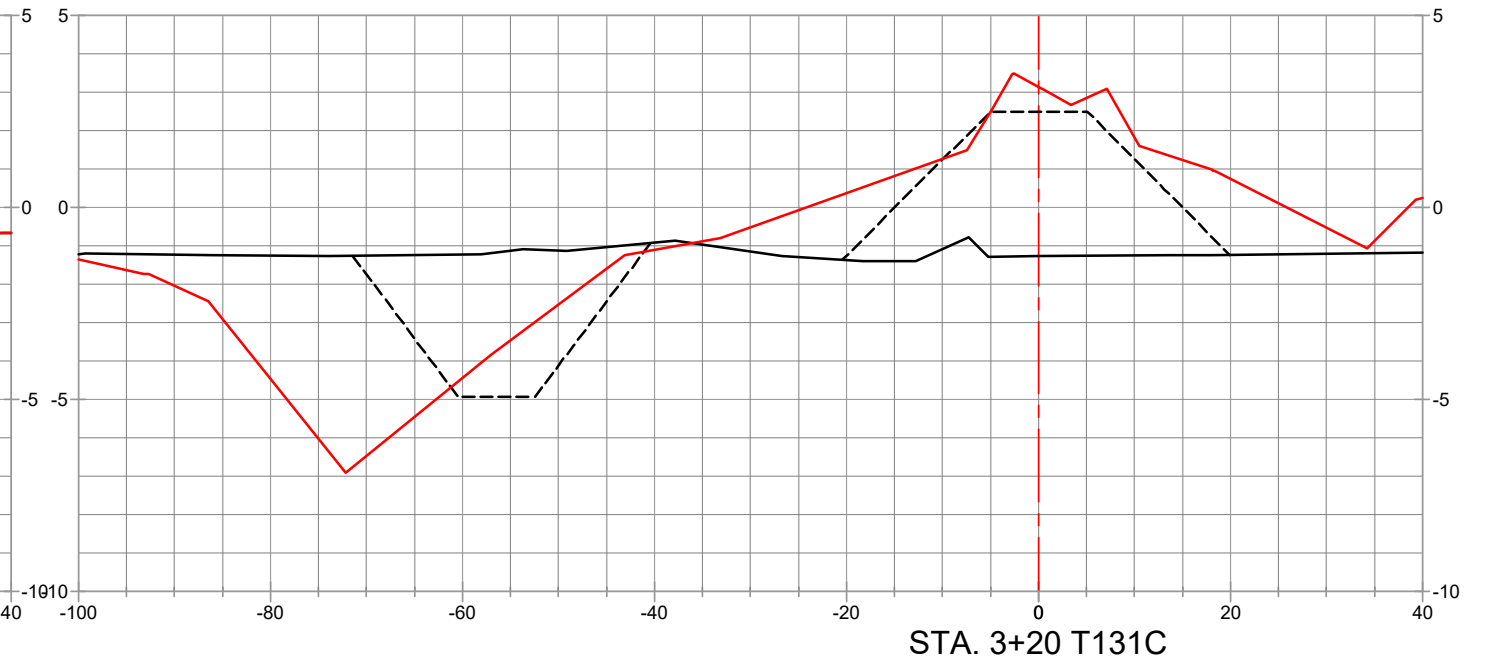
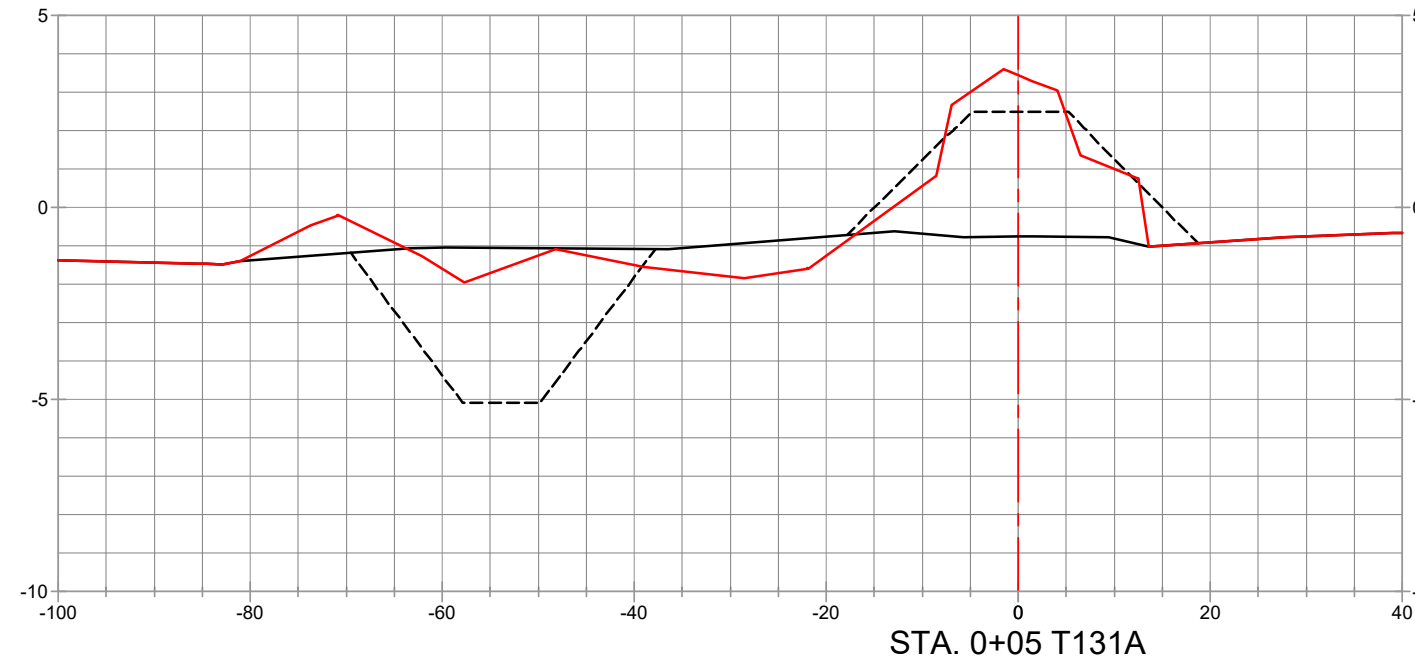
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T130 SECTIONS  
 GALVESTON COUNTY, TEXAS

SHEET: 51 OF 112



LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/19/2021)

REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113

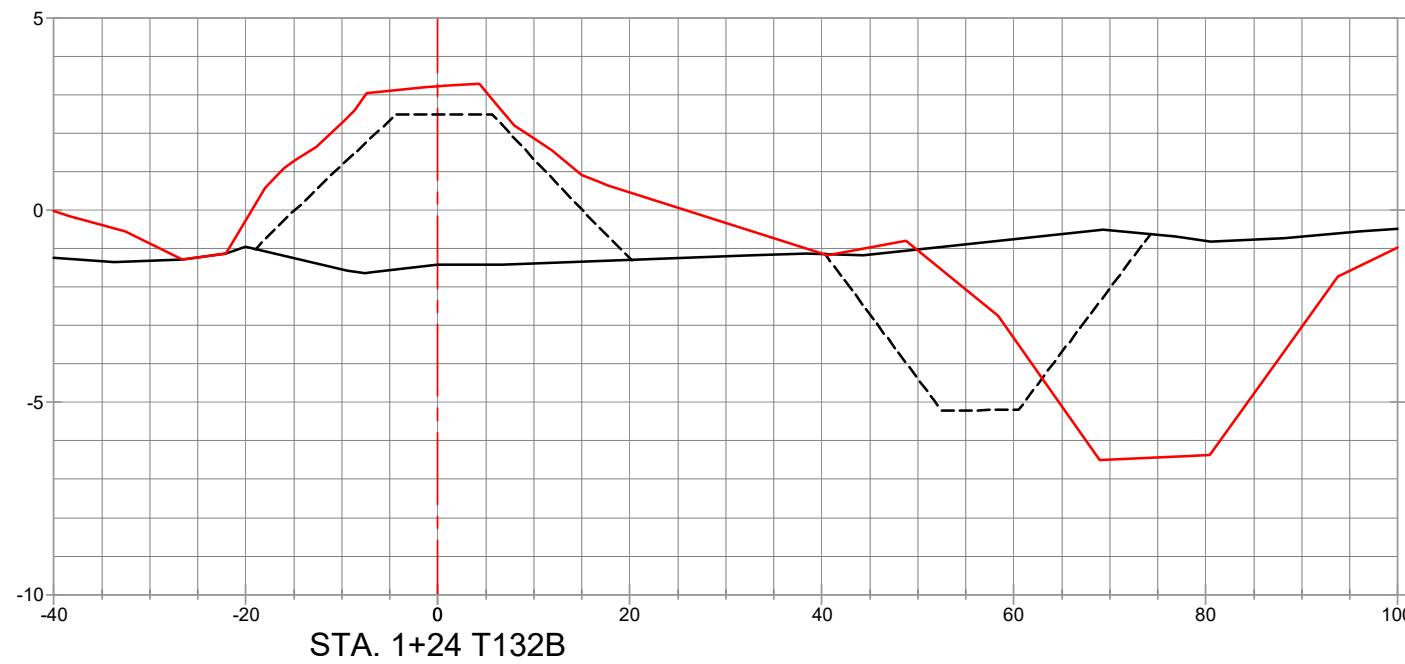
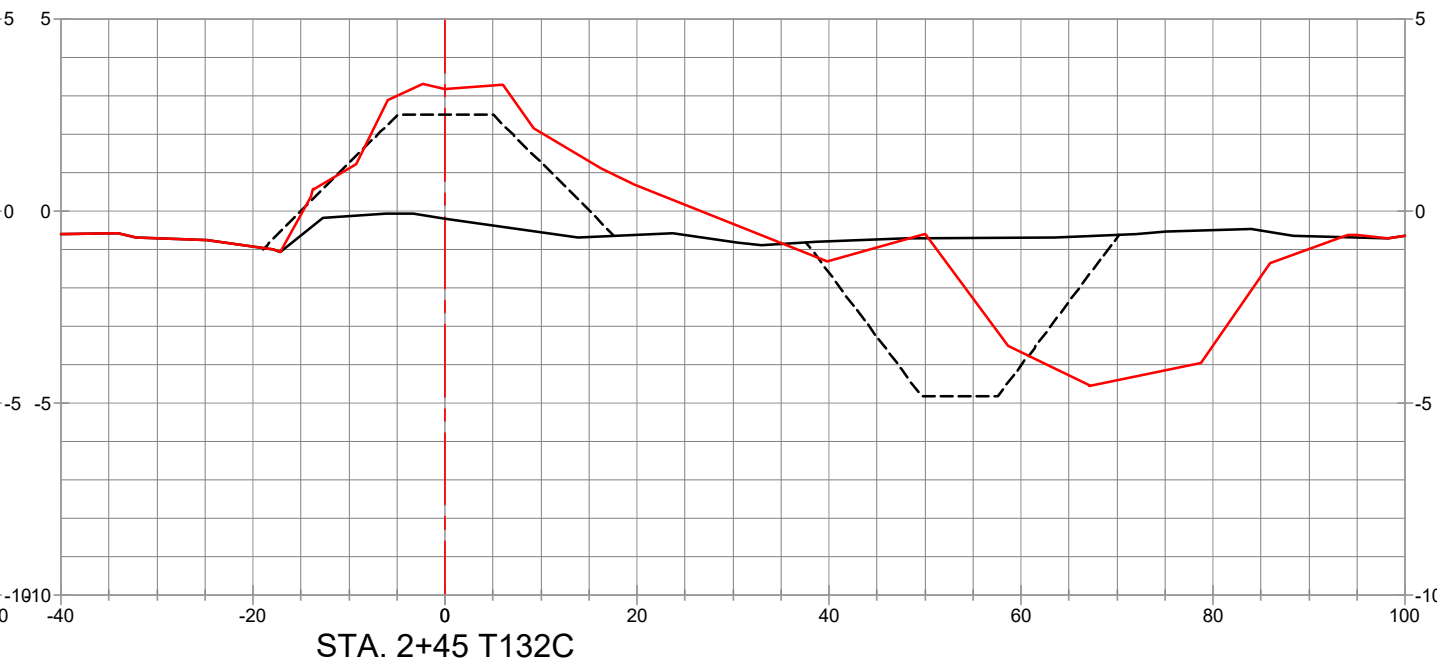
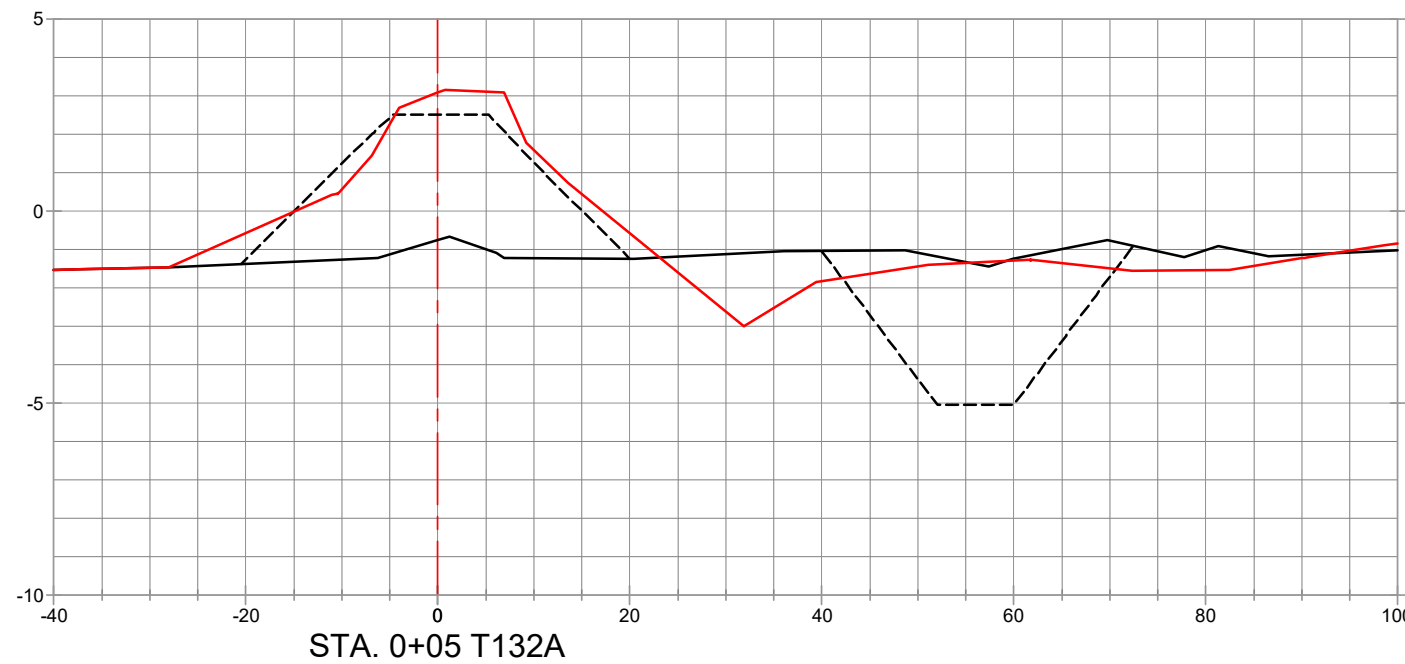
**HYDROTERRA**

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

**SITE 1 - TERRACES**

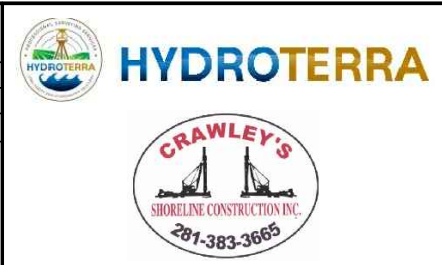
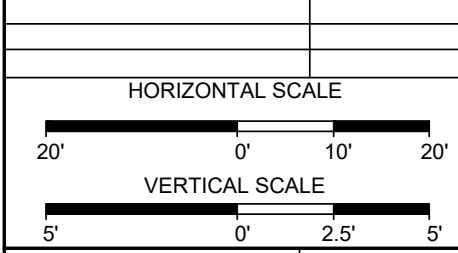
CRAWLEY'S SHORELINE CONSTRUCTION INC.  
**COMPILED AS-BUILTS**  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T131 SECTIONS  
 GALVESTON COUNTY, TEXAS

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg
SHEET: 52 OF 112



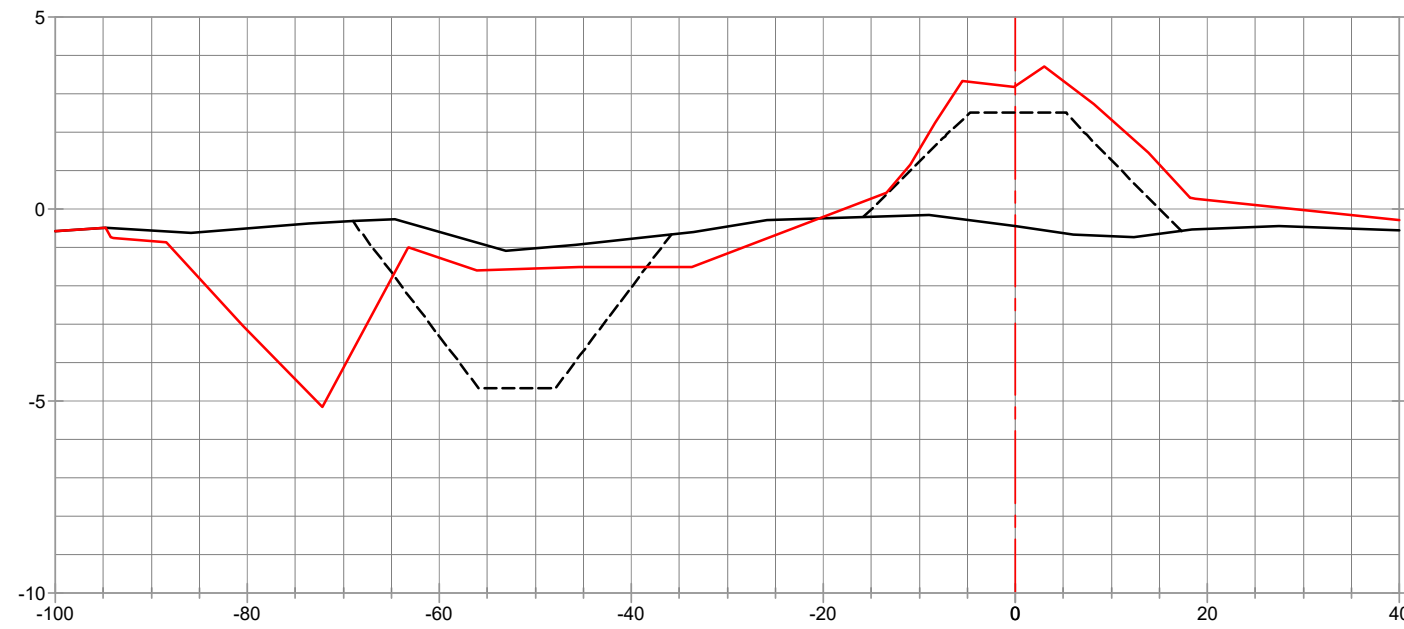
LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (04/19/2021)

REVISED BY:	DATE:

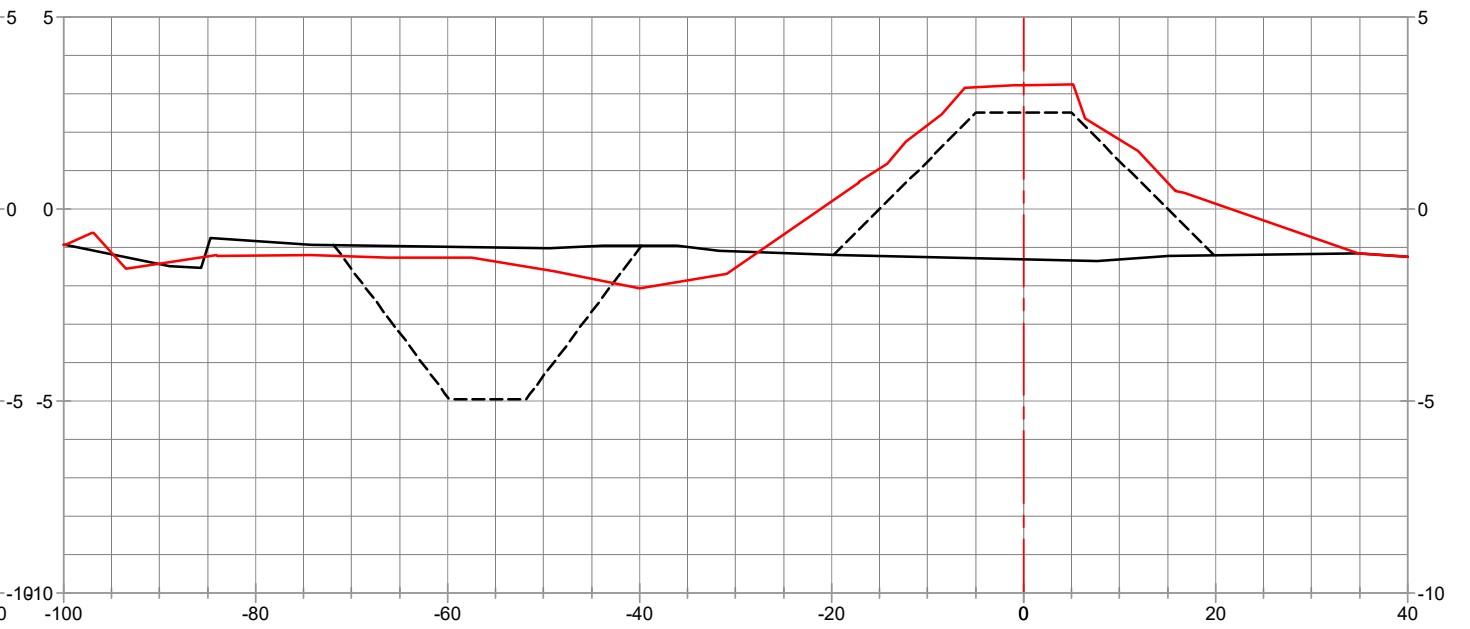


**SITE 1 - TERRACES**  
 CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 T132 SECTIONS  
 GALVESTON COUNTY, TEXAS

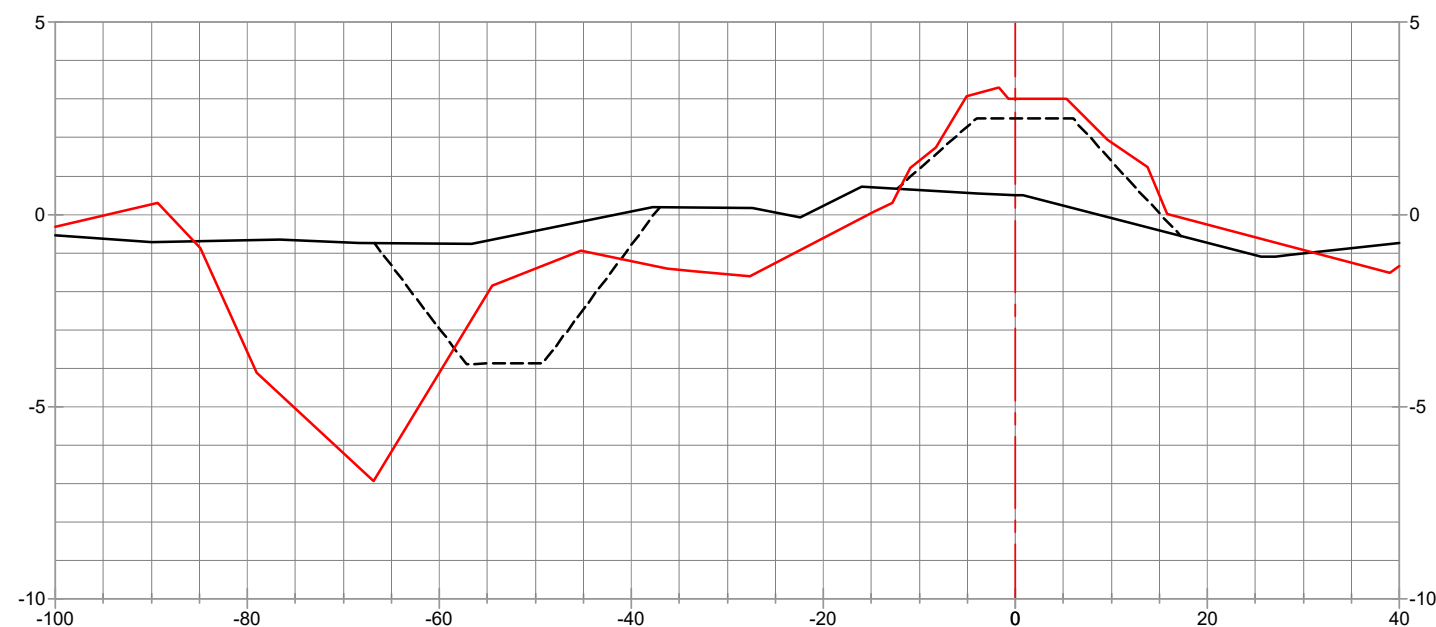
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583



STA. 0+05 T133A



STA. 2+10 T133C



STA. 1+05 T133B



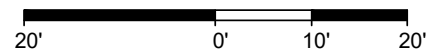
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (04/19/2021)

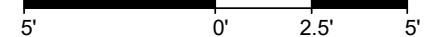
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T133 SECTIONS  
 GALVESTON COUNTY, TEXAS

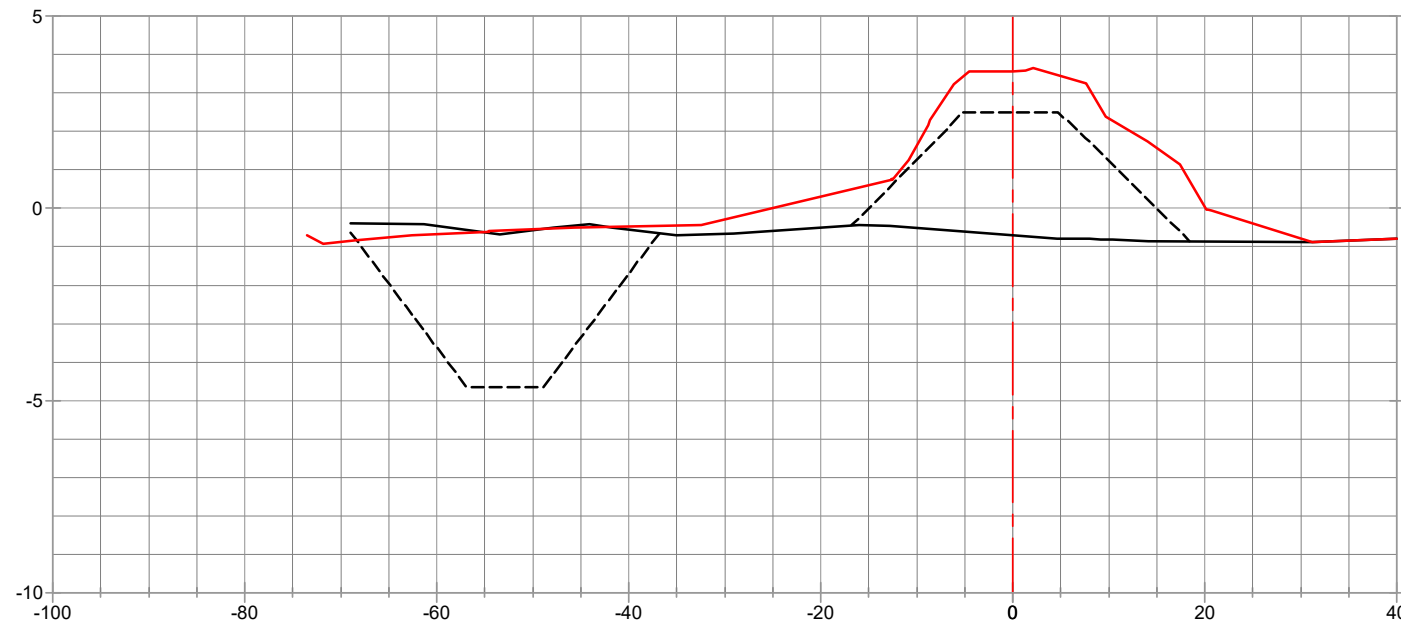
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

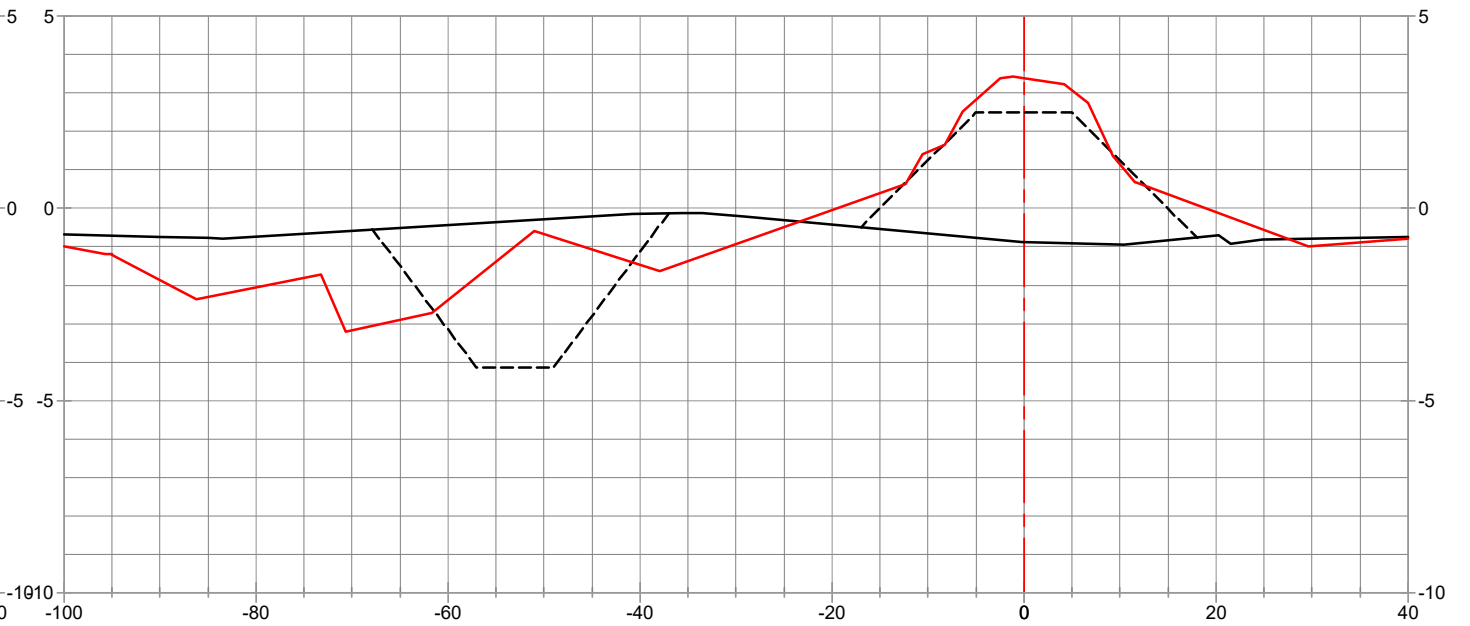
JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

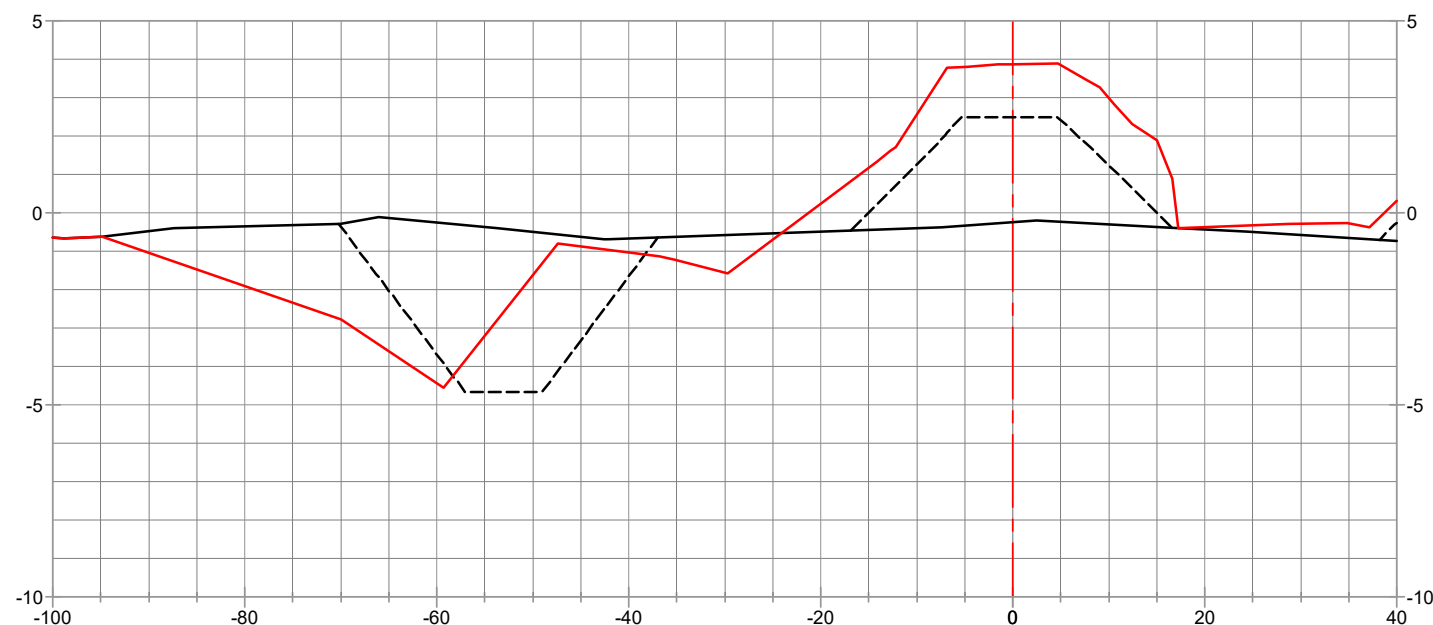
SHEET:54 OF 112



STA. 0+05 T134A



STA. 2+80 T134C



STA. 1+44 T134B



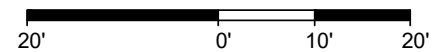
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (04/19/2021)

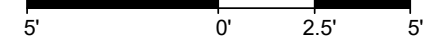
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

**CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 T134 SECTIONS  
 GALVESTON COUNTY, TEXAS**

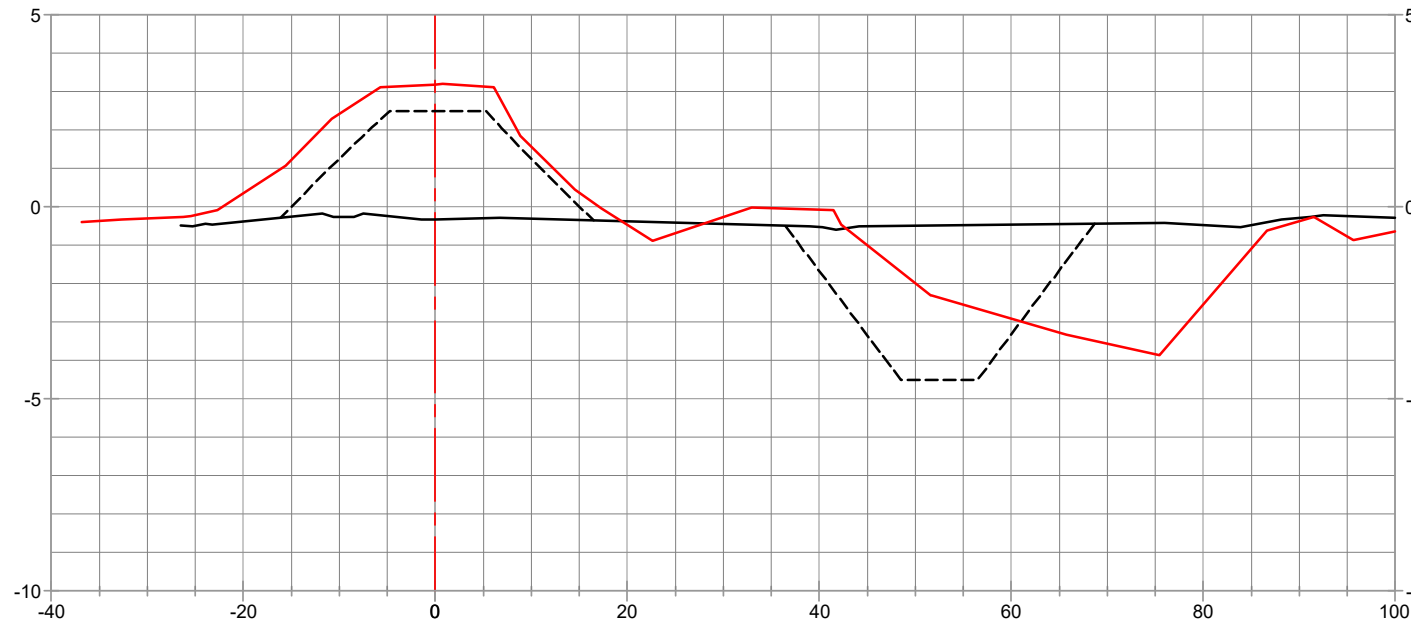
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

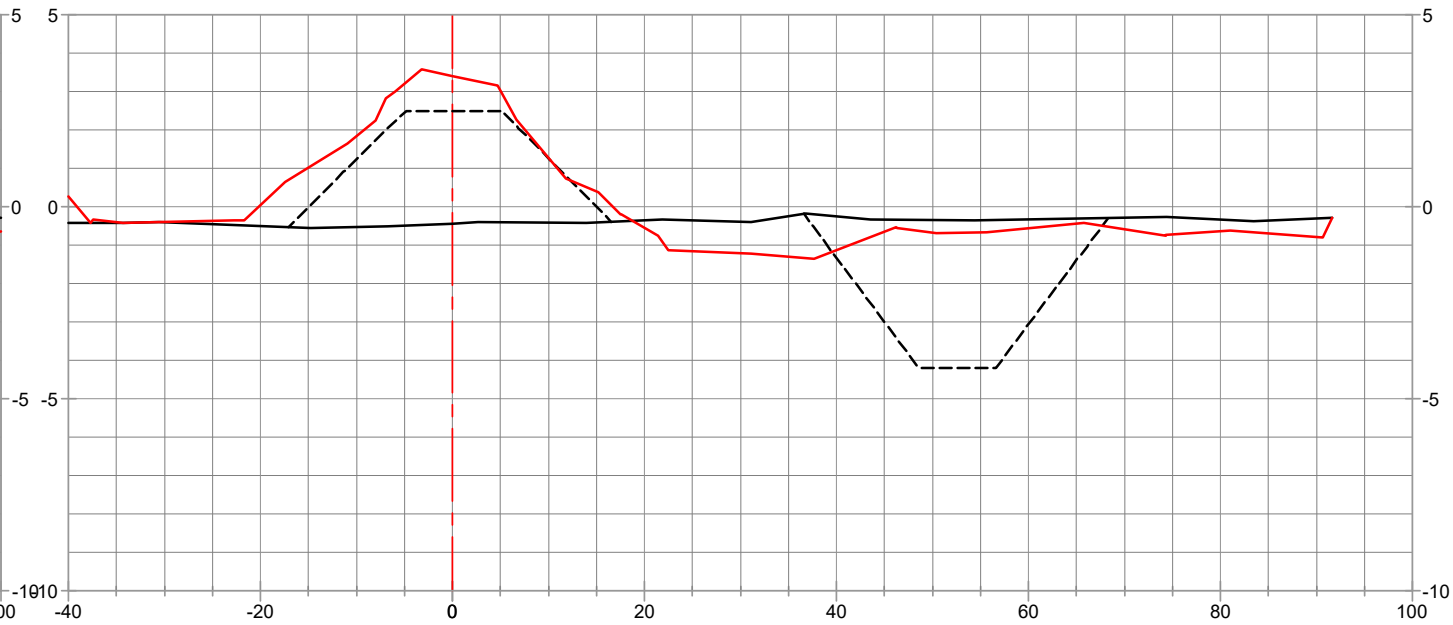
JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

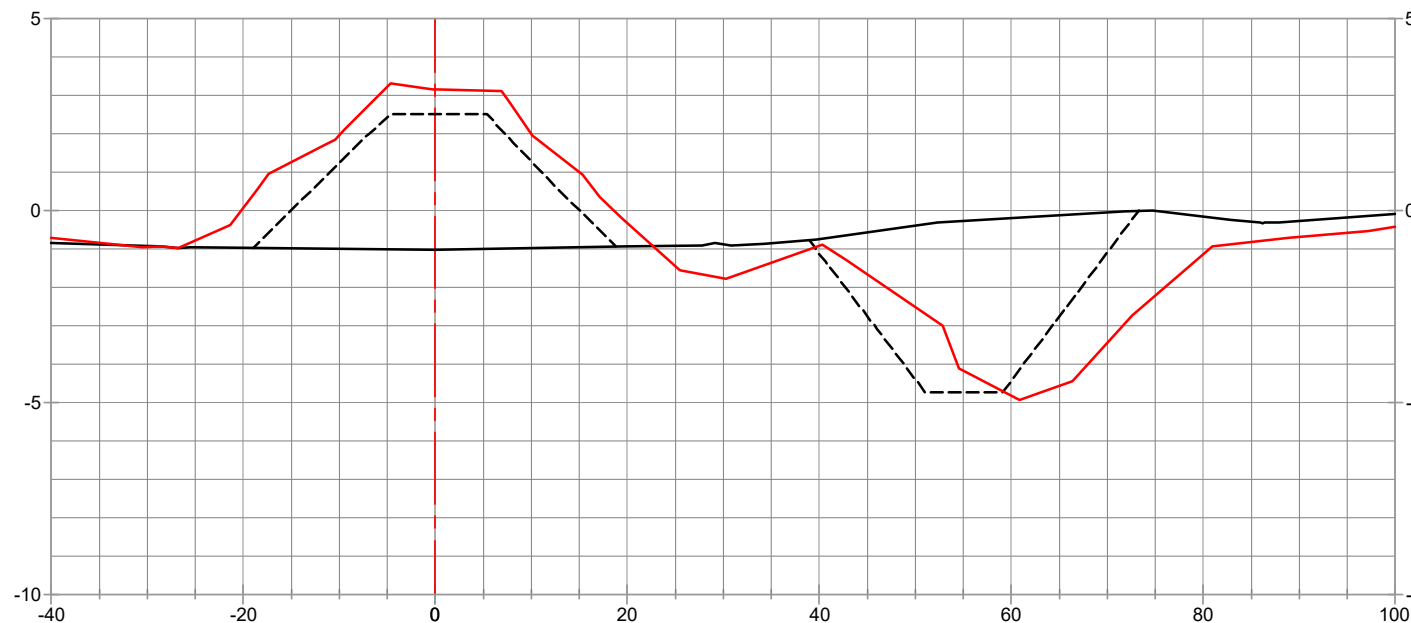
SHEET:55 OF 112



STA. 0+05 T135A



STA. 2+60 T135C



STA. 1+31 T135B



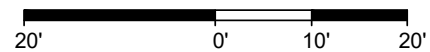
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (04/21/2021)

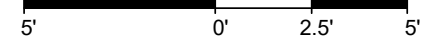
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

**CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 T135 SECTIONS  
 GALVESTON COUNTY, TEXAS**

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

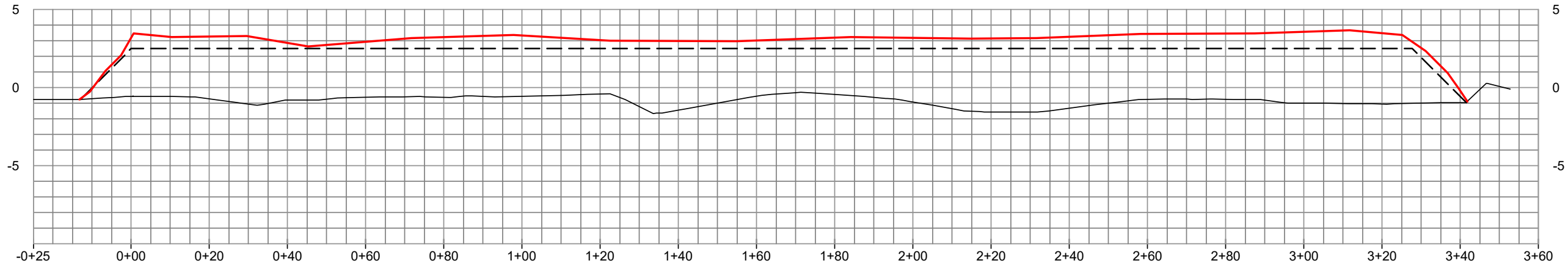
JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

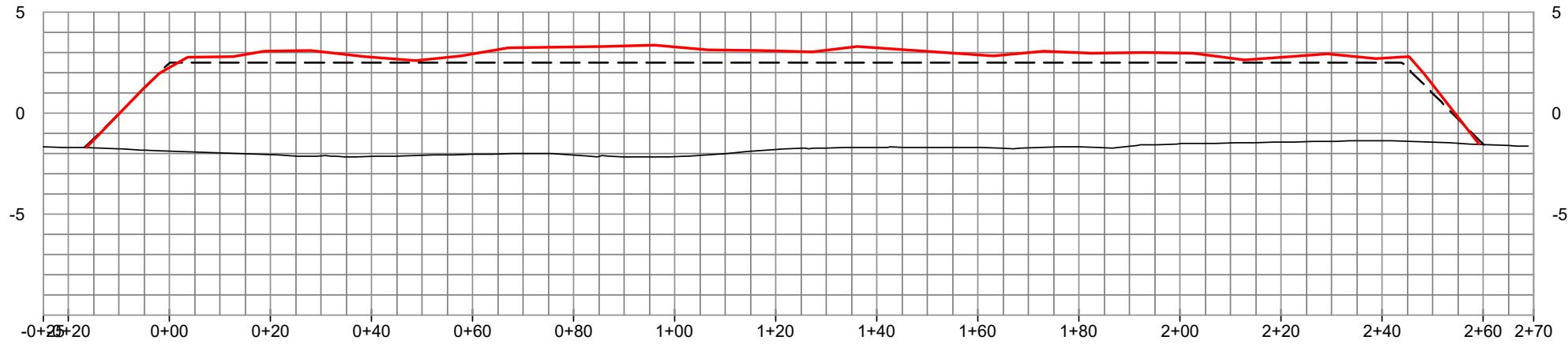
SHEET:56 OF 112



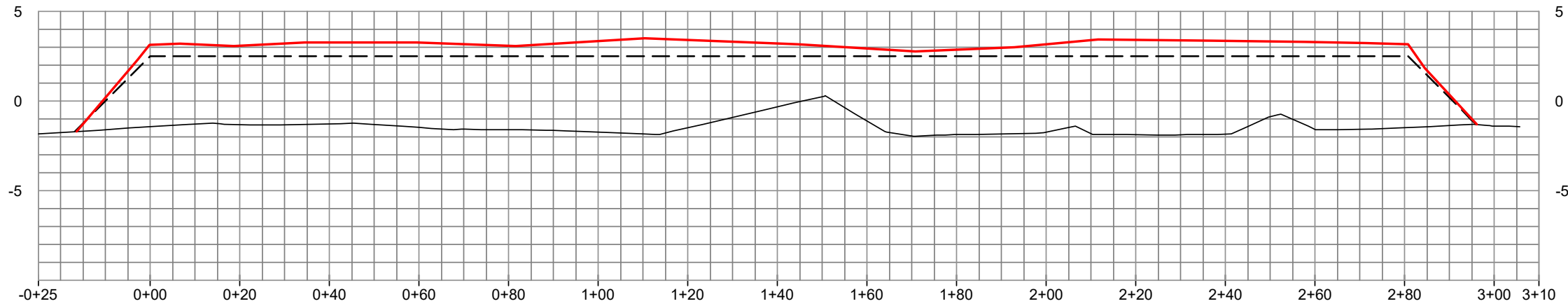
T-101



T-102



T-103



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 PROFILE VIEWS  
 GALVESTON COUNTY, TEXAS



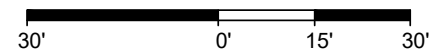
**LEGEND**

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY

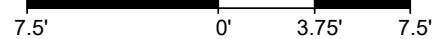
REVISED BY:

DATE:

**HORIZONTAL SCALE**



**VERTICAL SCALE**



**HYDROTERRA**



PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

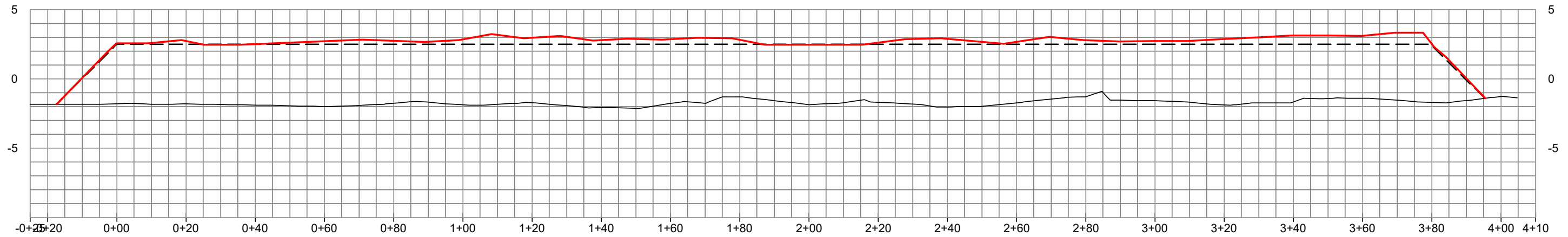
DATE: 06/09/2021

JOB# 2201113

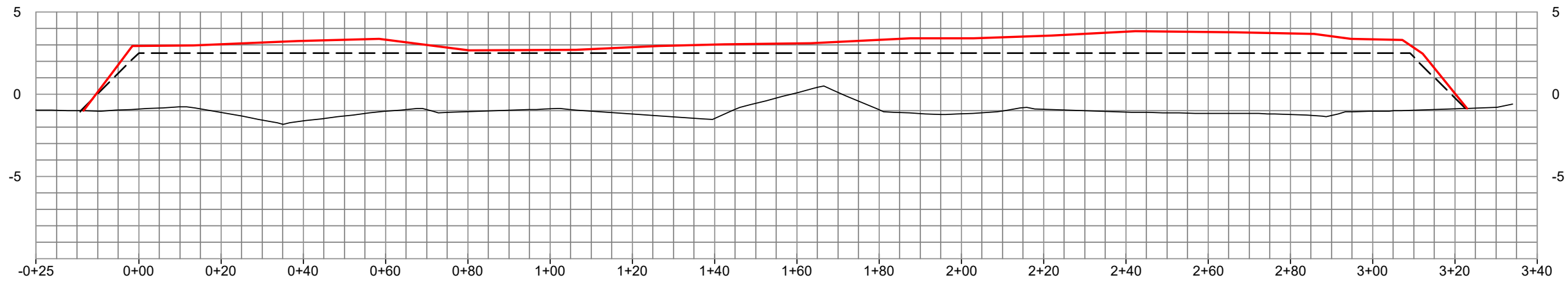
FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET:57 OF 112

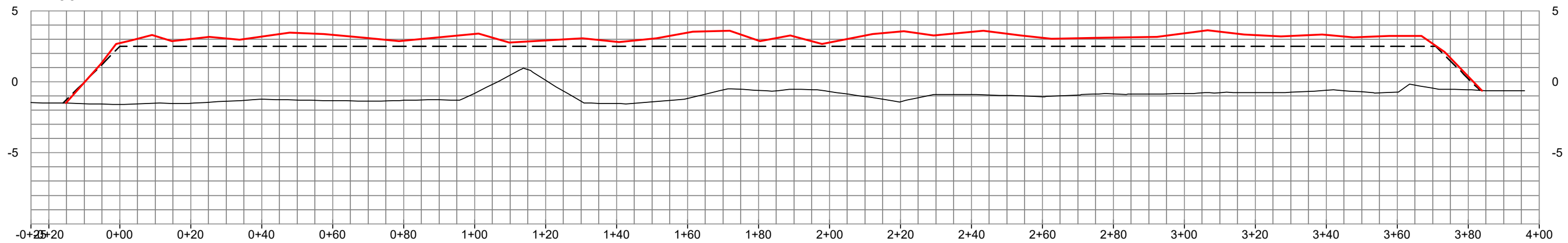
T-104



T-105



T-106



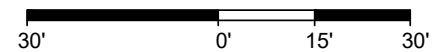
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY

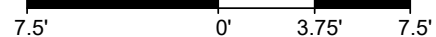
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



DATE: 06/09/2021

JOB# 2201113



HYDROTERRA



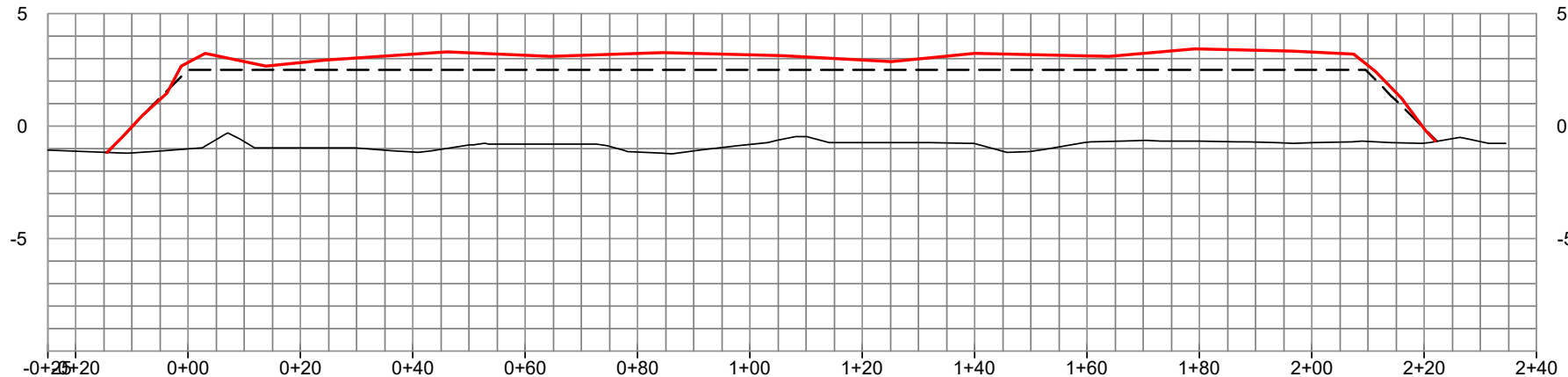
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Built.dwg

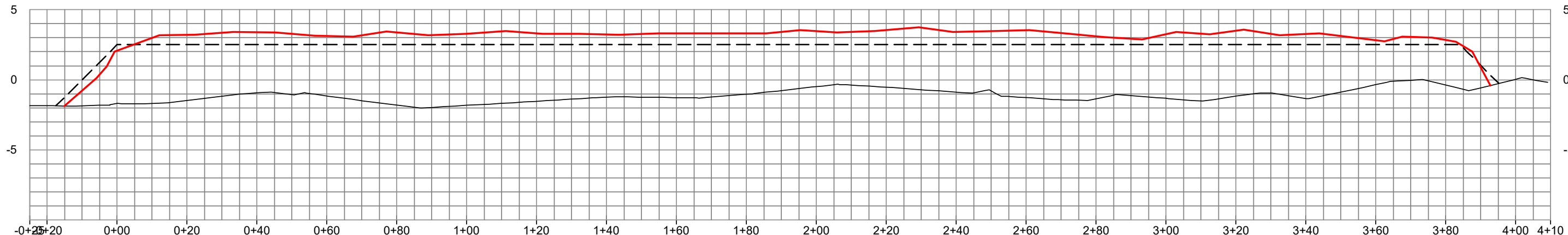
SITE 1 - TERRACES

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 PROFILE VIEWS  
 GALVESTON COUNTY, TEXAS

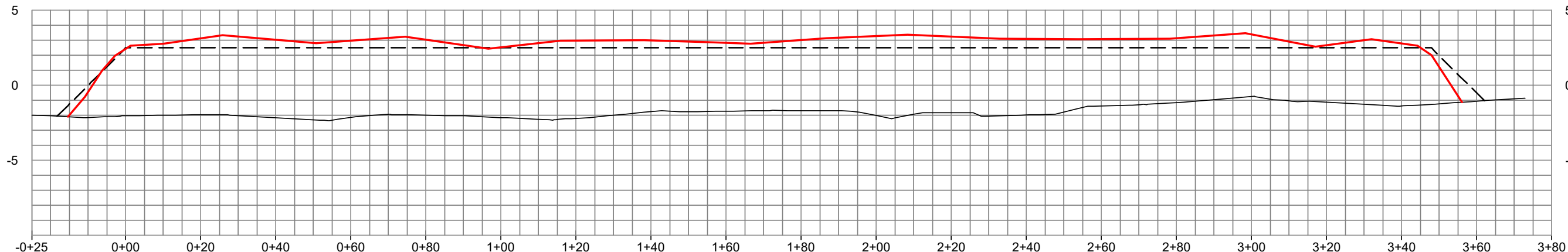
T-107



T-108



T-109



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 PROFILE VIEWS  
 GALVESTON COUNTY, TEXAS

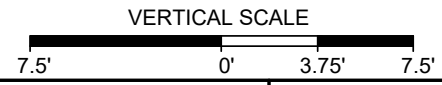
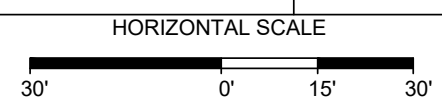


**LEGEND**

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY

REVISED BY:

DATE:



PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

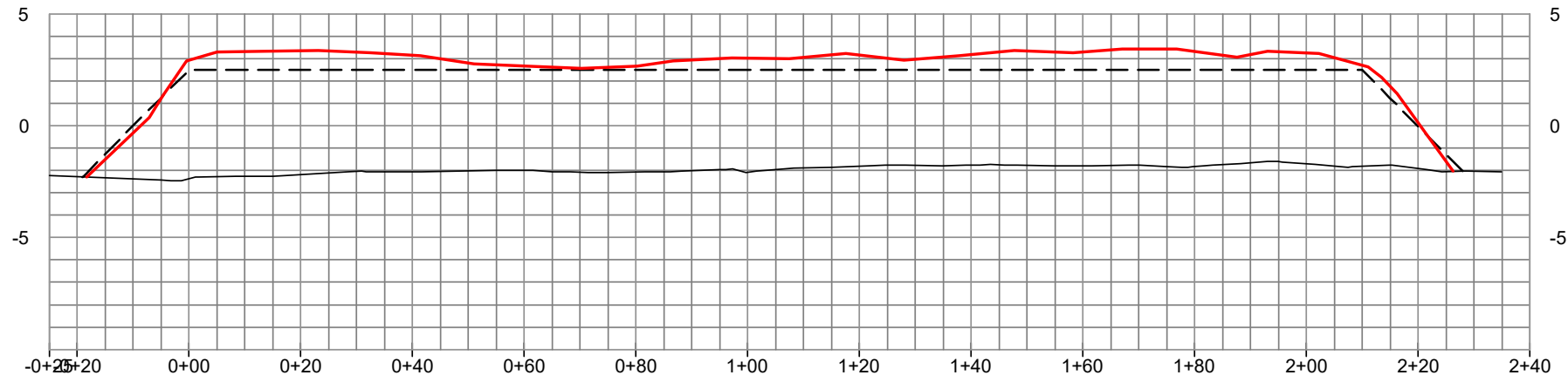
DATE: 06/09/2021

JOB# 2201113

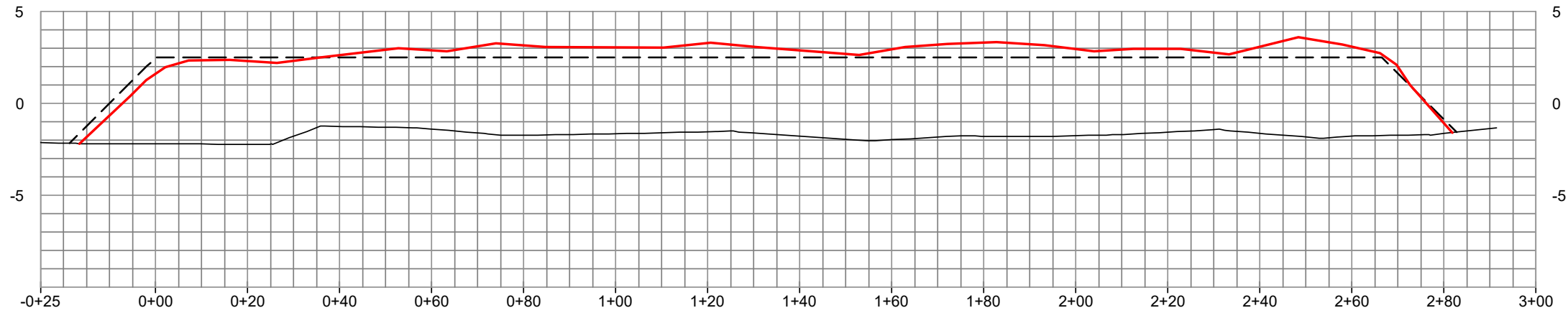
FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 59 OF 112

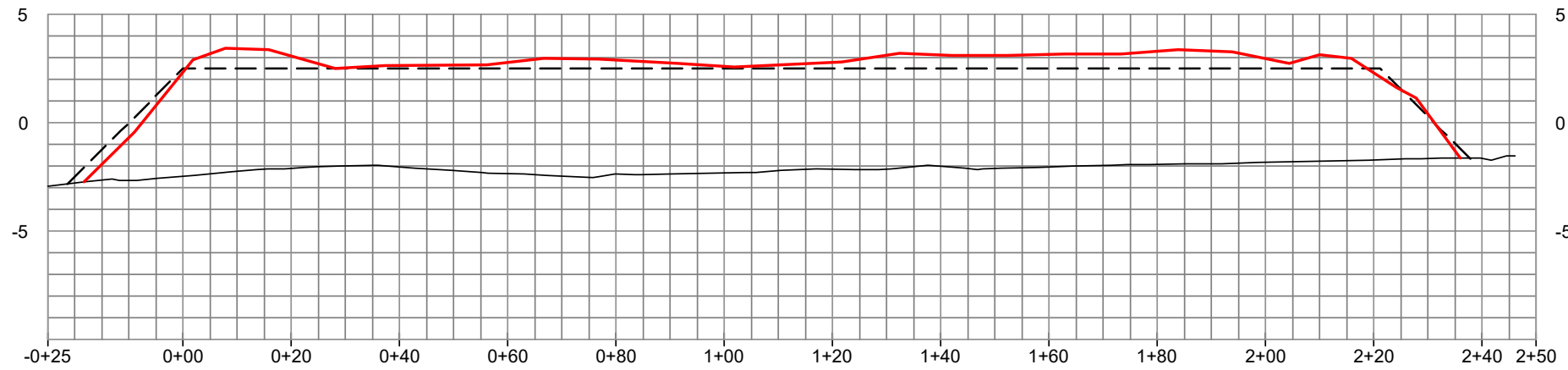
T-110



T-111



T-112



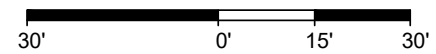
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY

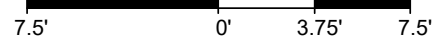
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



HYDROTERRA



SITE 1 - TERRACES

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 PROFILE VIEWS  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

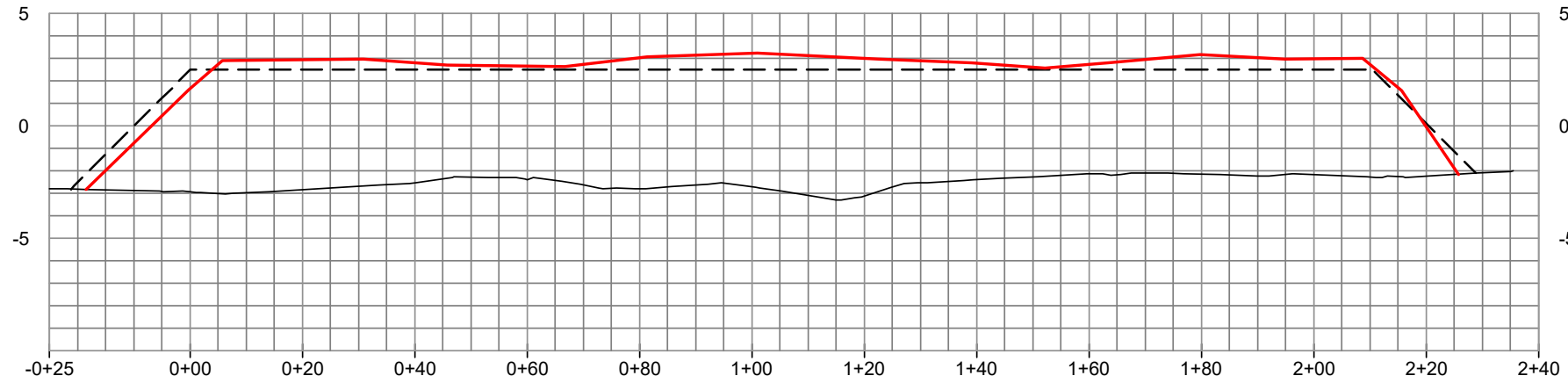
DATE: 06/09/2021

JOB# 2201113

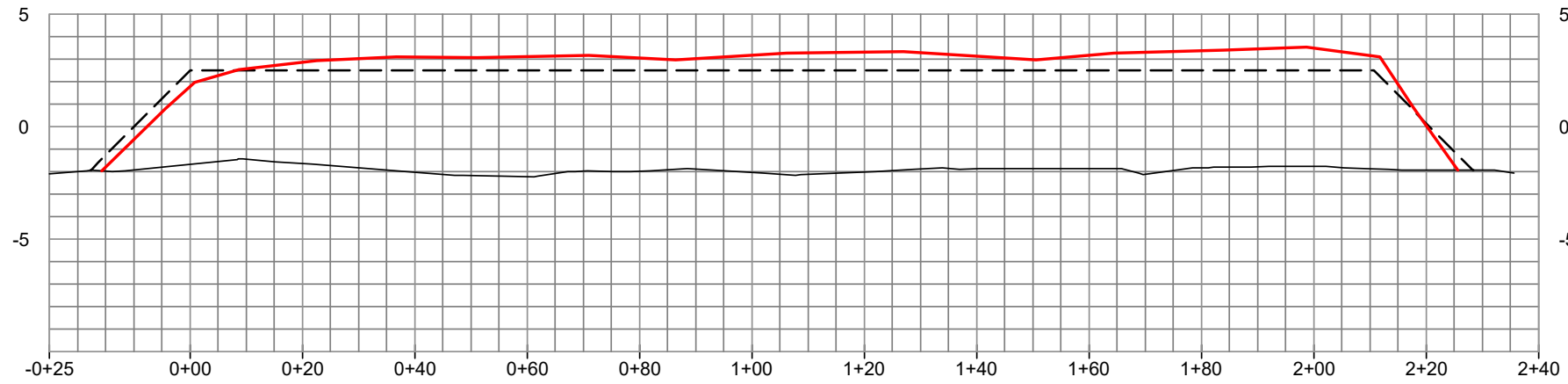
FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET:60 OF 112

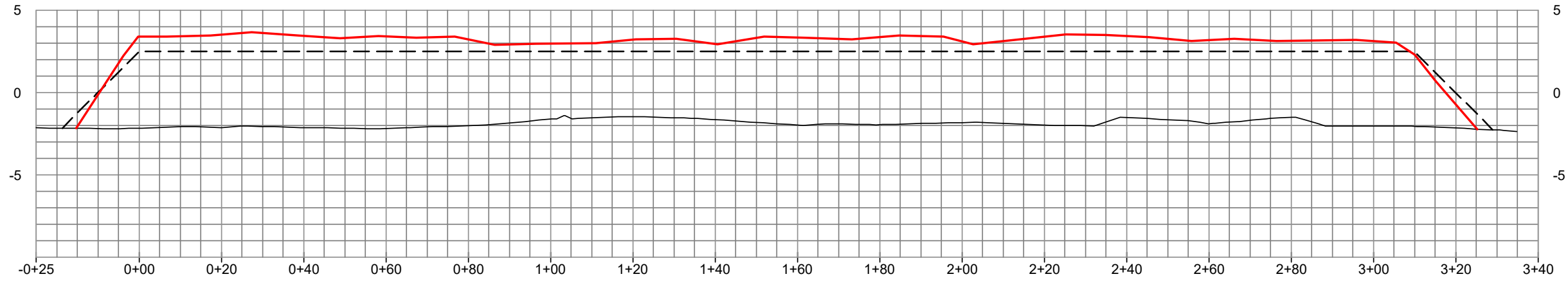
T-113



T-114



T-115



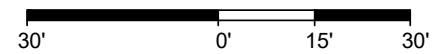
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY

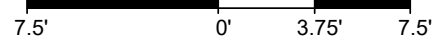
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

**CRAWLEY'S SHORELINE CONSTRUCTION INC.**  
**COMPILED AS-BUILTS**  
**GALVESTON BAY FOUNDATION**  
**DOLLAR BAY MARSH RESTORATION**  
 PROFILE VIEWS  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

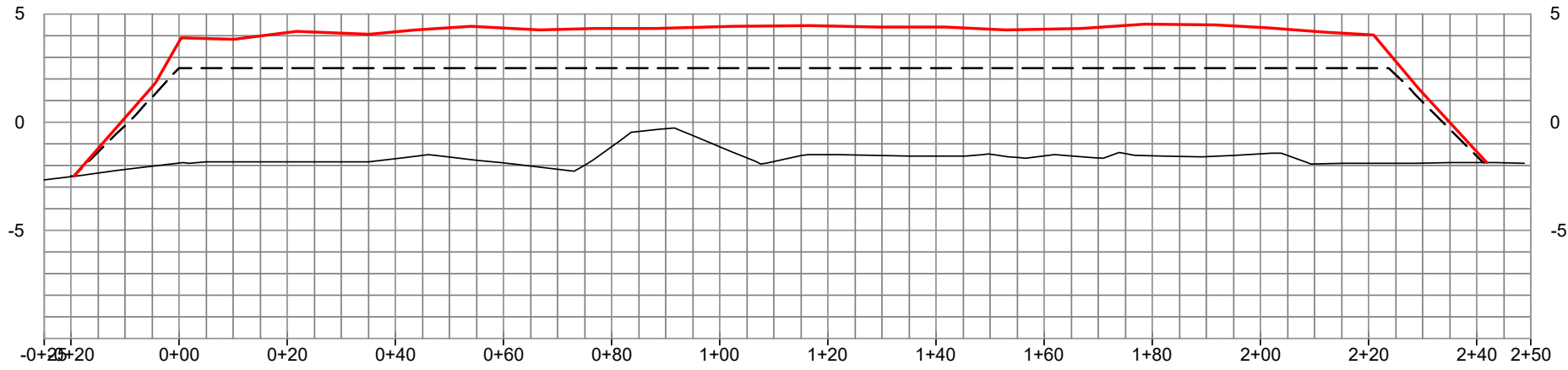
DATE: 06/09/2021

JOB# 2201113

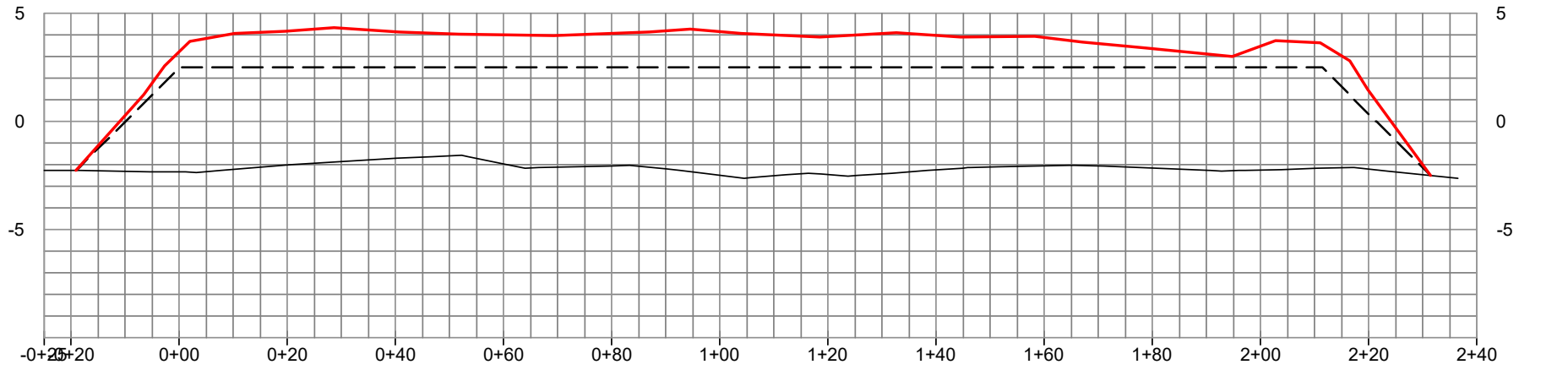
FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET:61 OF 112

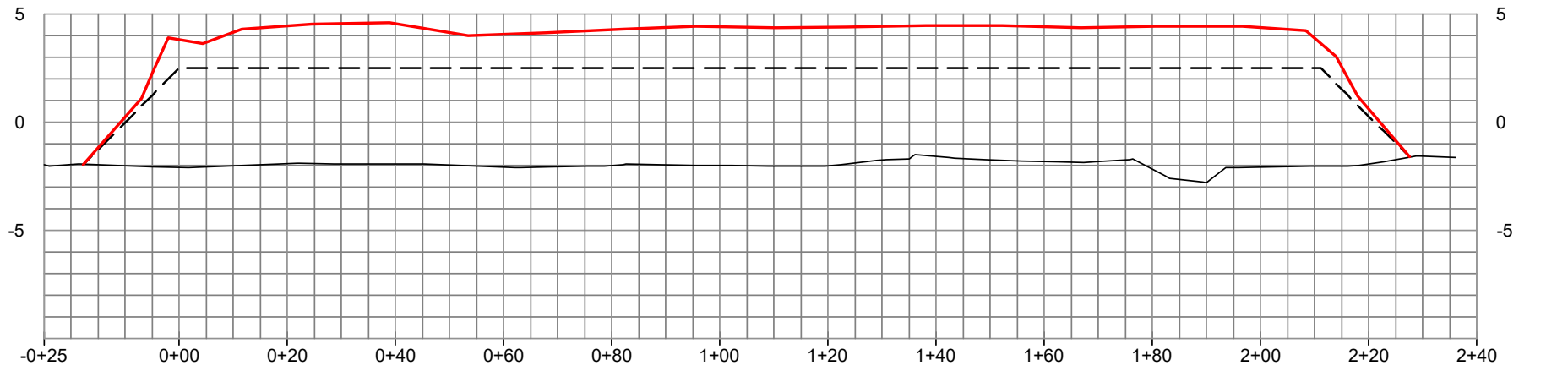
T-116



T-117



T-118



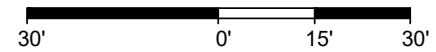
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY

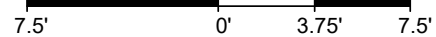
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



DATE: 06/09/2021

JOB# 2201113



HYDROTERRA



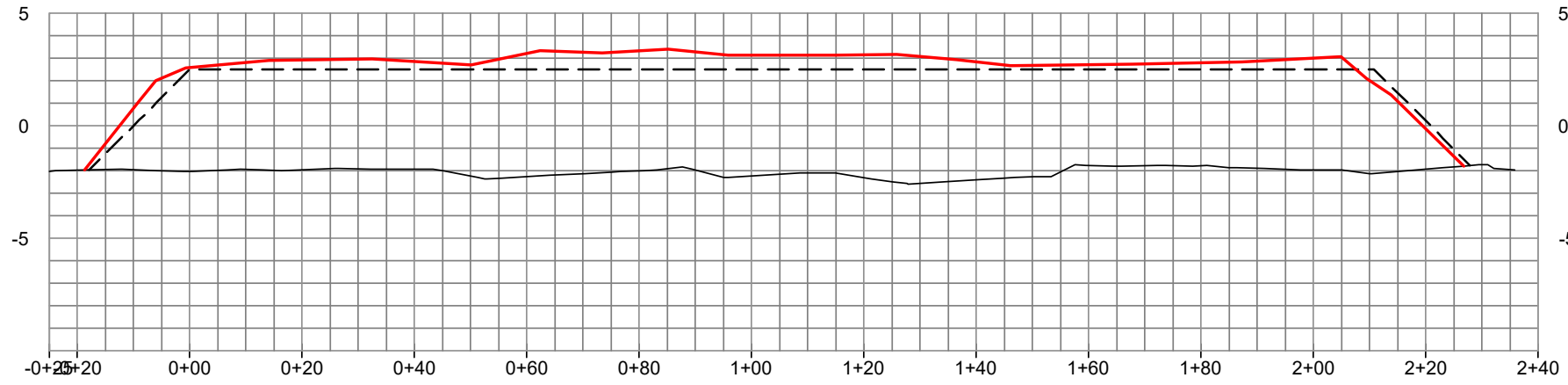
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

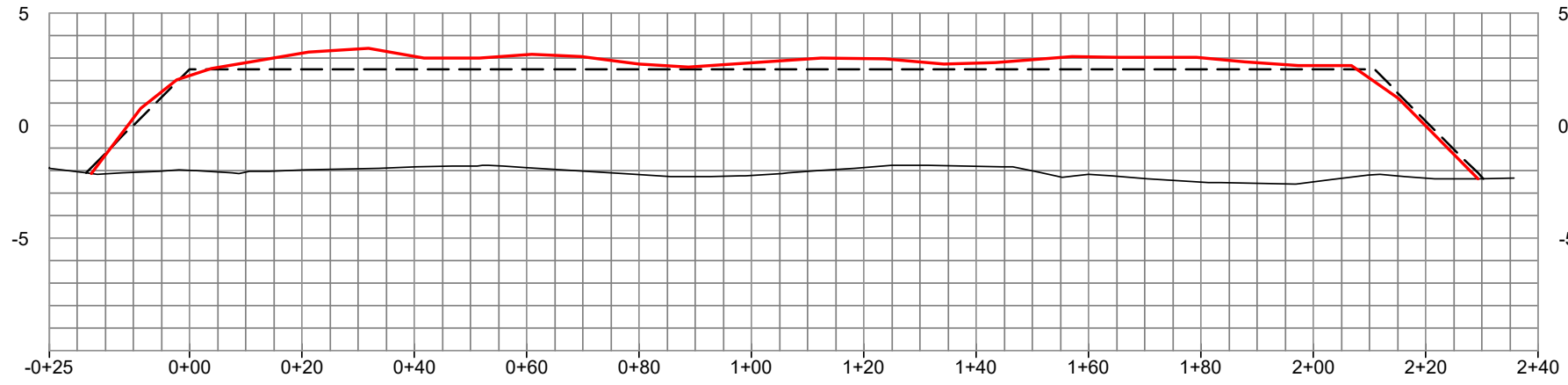
SITE 1 - TERRACES

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 PROFILE VIEWS  
 GALVESTON COUNTY, TEXAS

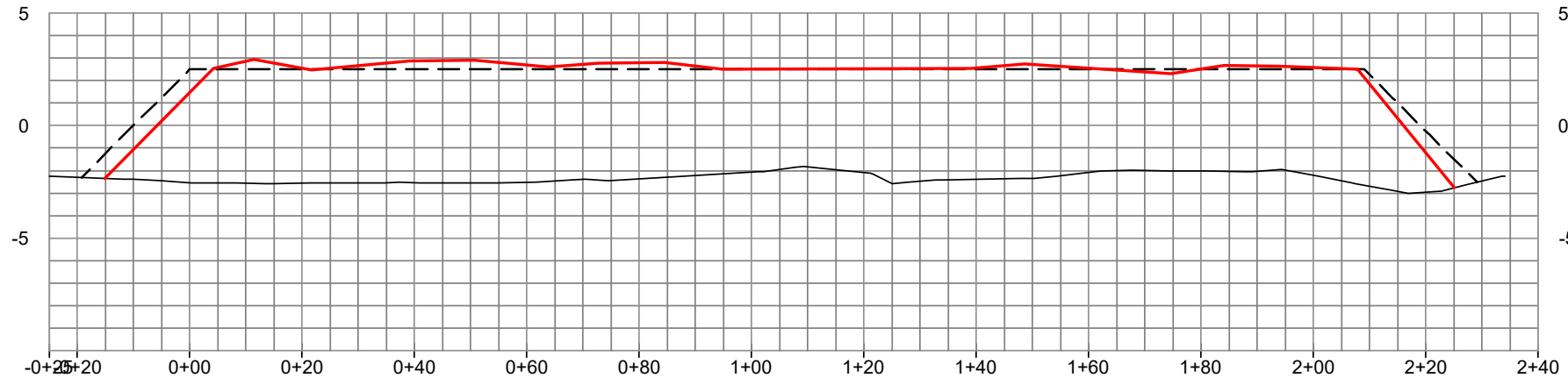
T-119



T-120



T-121



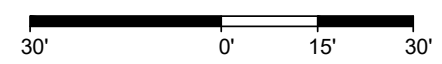
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY

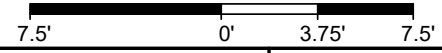
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 PROFILE VIEWS  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

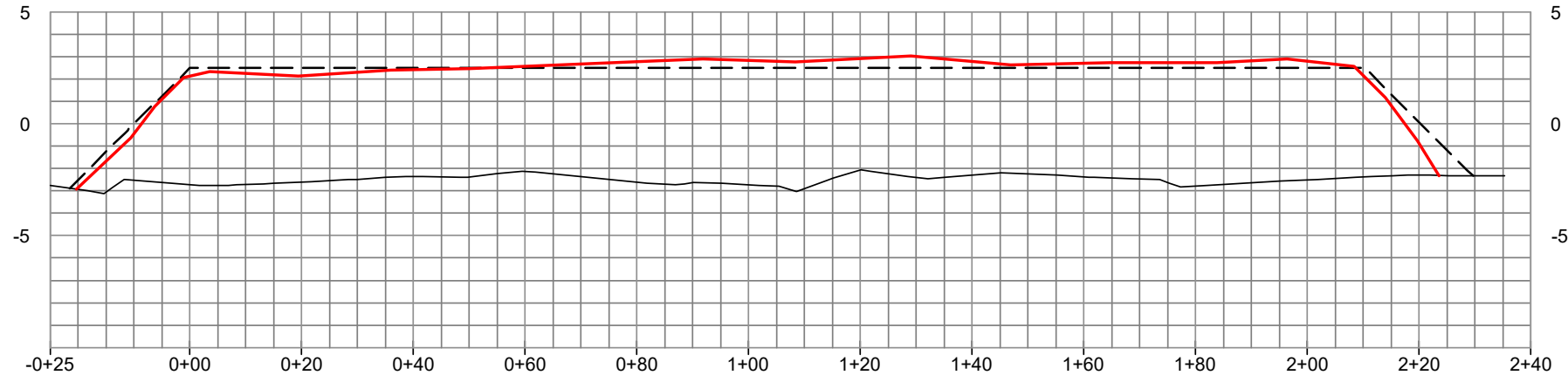
DATE: 06/09/2021

JOB# 2201113

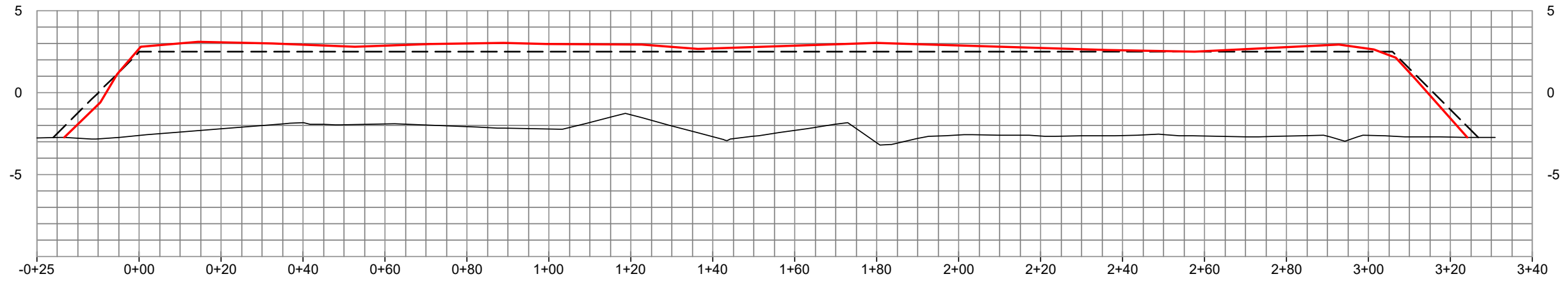
FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 63 OF 112

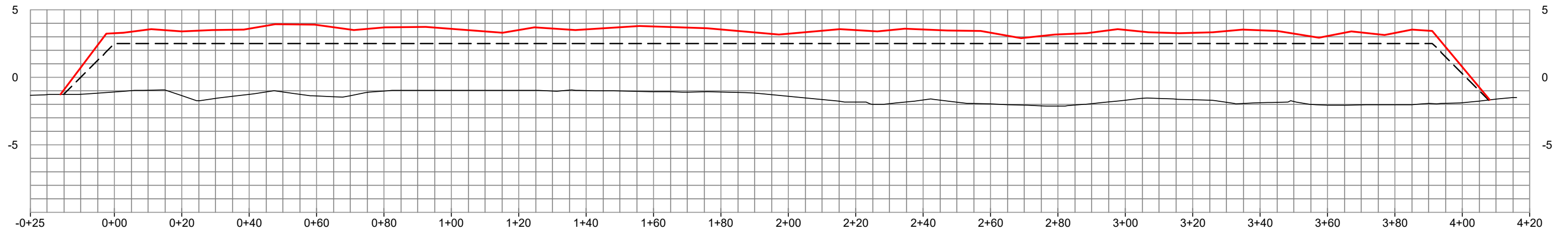
T-122



T-123



T-124



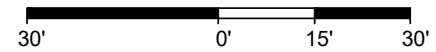
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY

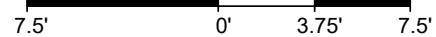
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 PROFILE VIEWS  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

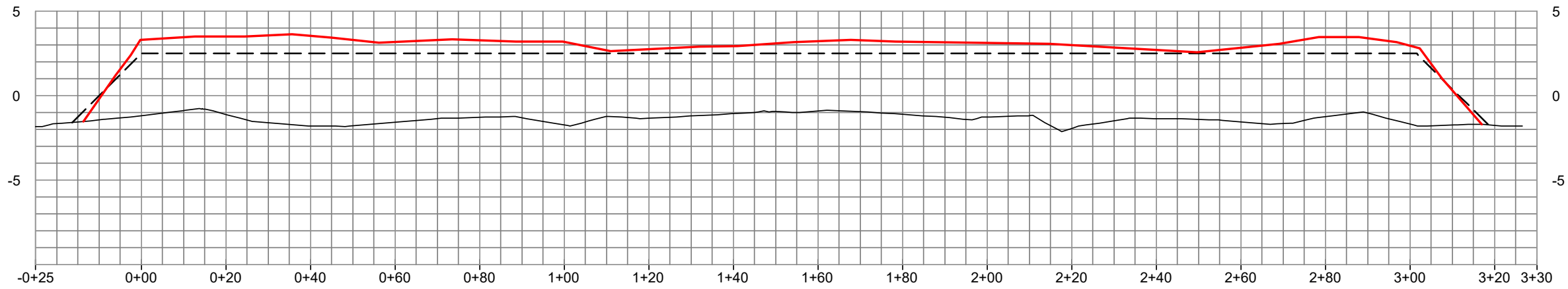
JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

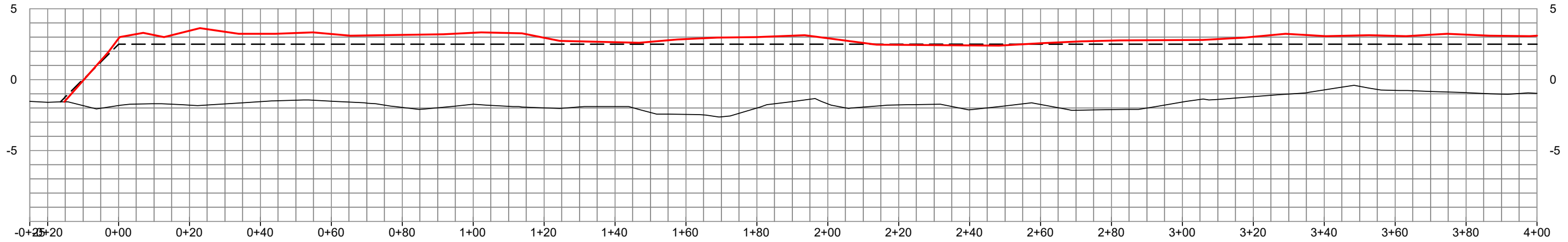
SHEET: 64 OF 112



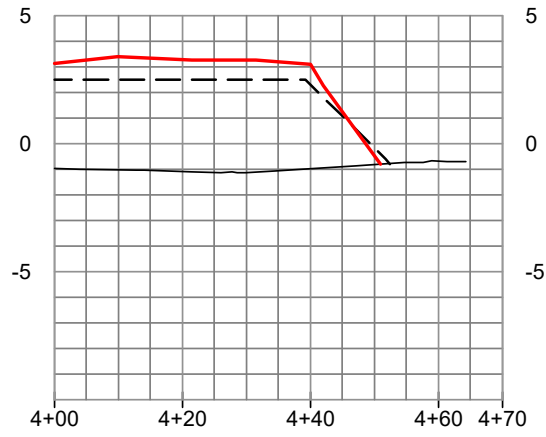
T-125



T-126



T-126



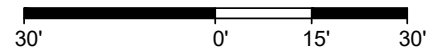
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY

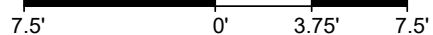
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 1 - TERRACES**

**CRAWLEY'S SHORELINE CONSTRUCTION INC.**  
**COMPILED AS-BUILTS**  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 PROFILE VIEWS  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

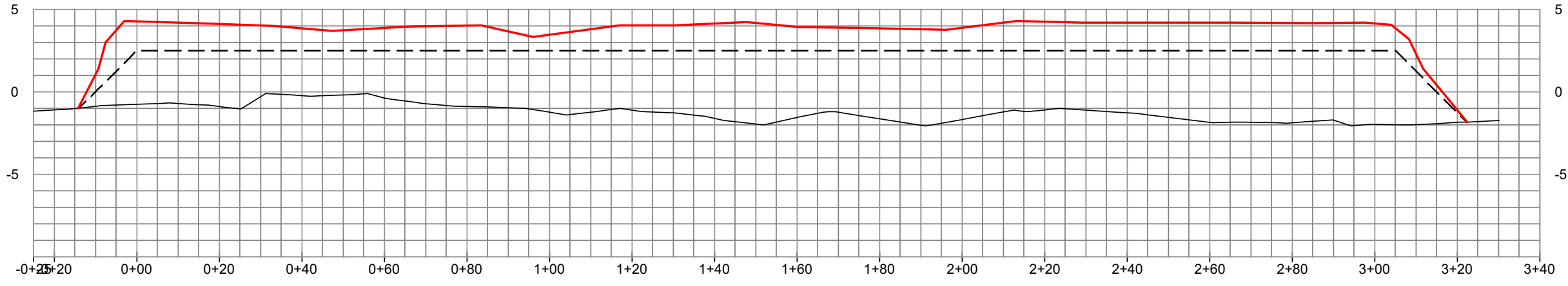
DATE: 06/09/2021

JOB# 2201113

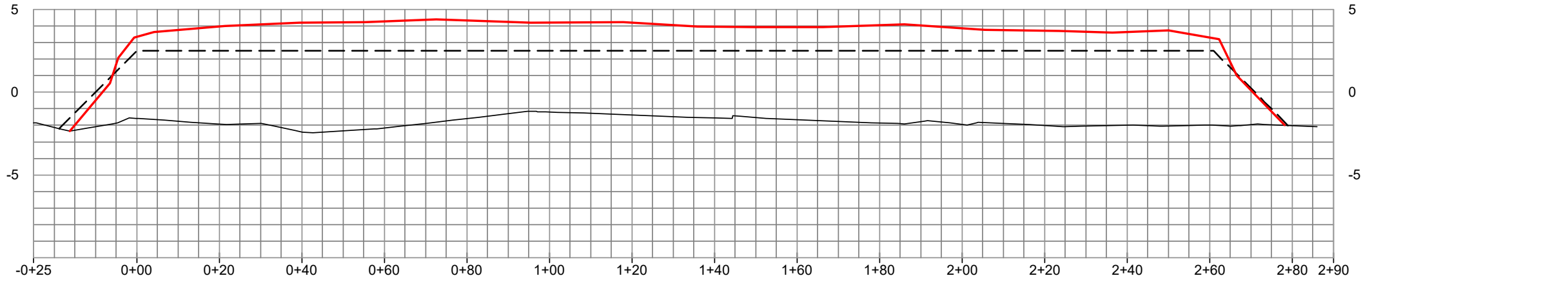
FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 65 OF 112

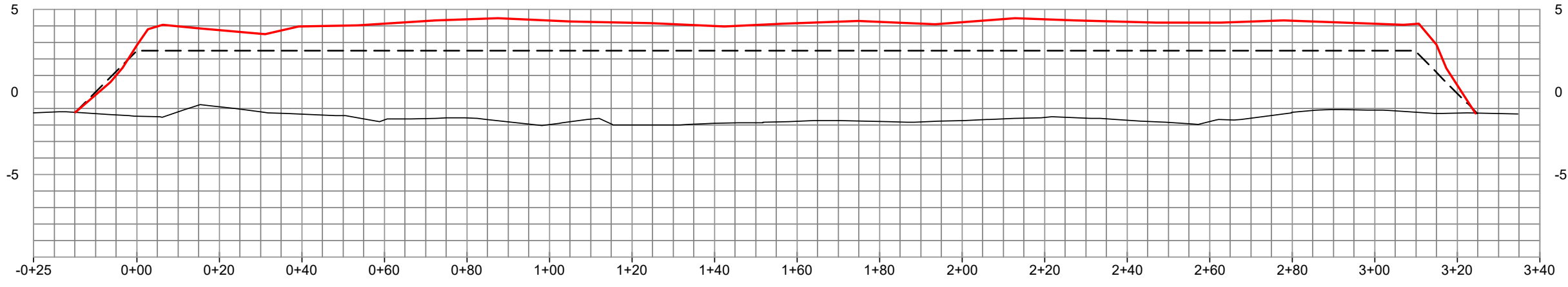
T-127



T-128



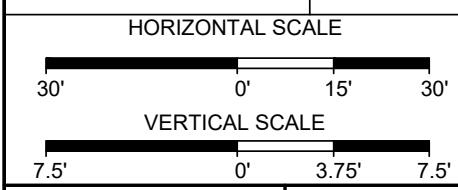
T-129



LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



DATE: 06/09/2021 JOB# 2201113



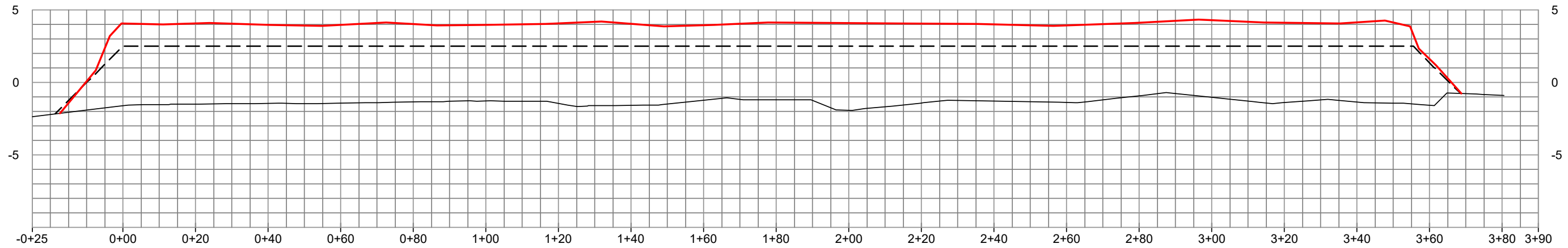
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

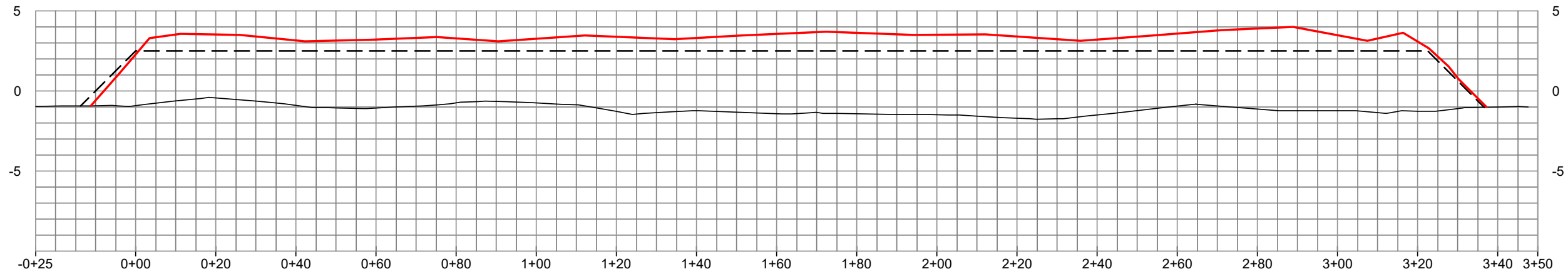
SITE 1 - TERRACES

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 PROFILE VIEWS  
 GALVESTON COUNTY, TEXAS

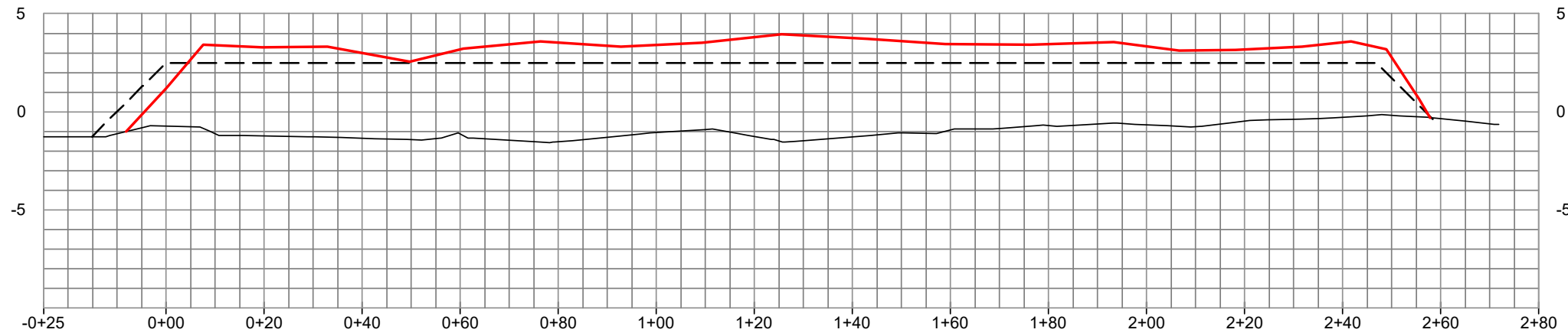
T-130



T-131



T-132



**SITE 1 - TERRACES**

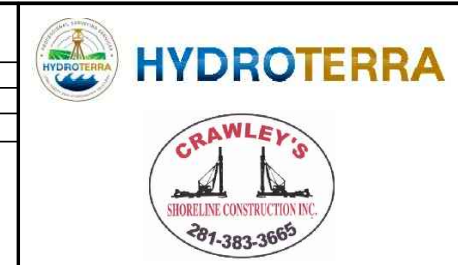
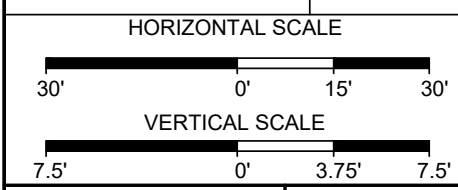
CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 PROFILE VIEWS  
 GALVESTON COUNTY, TEXAS



**LEGEND**

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

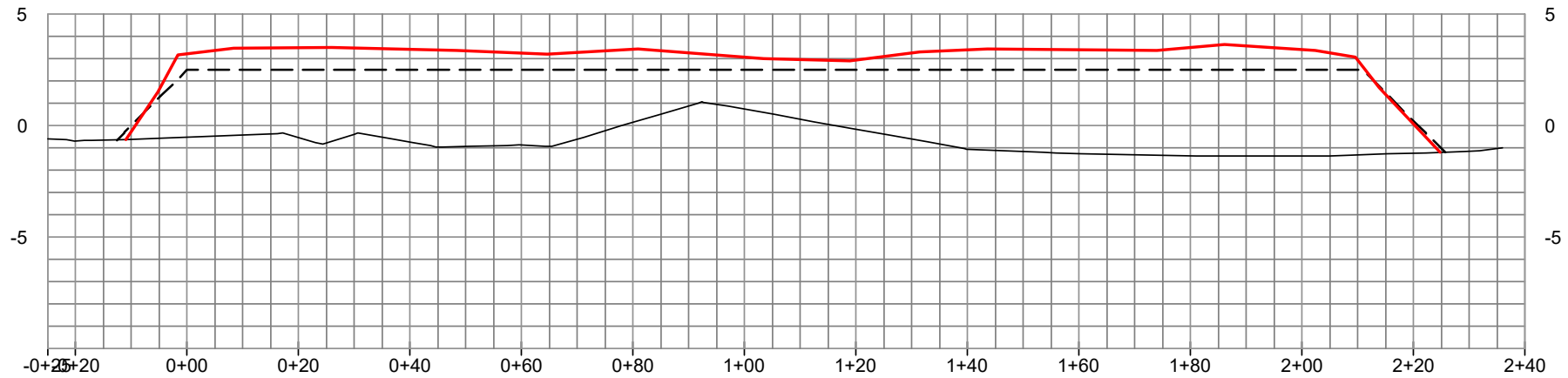


PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

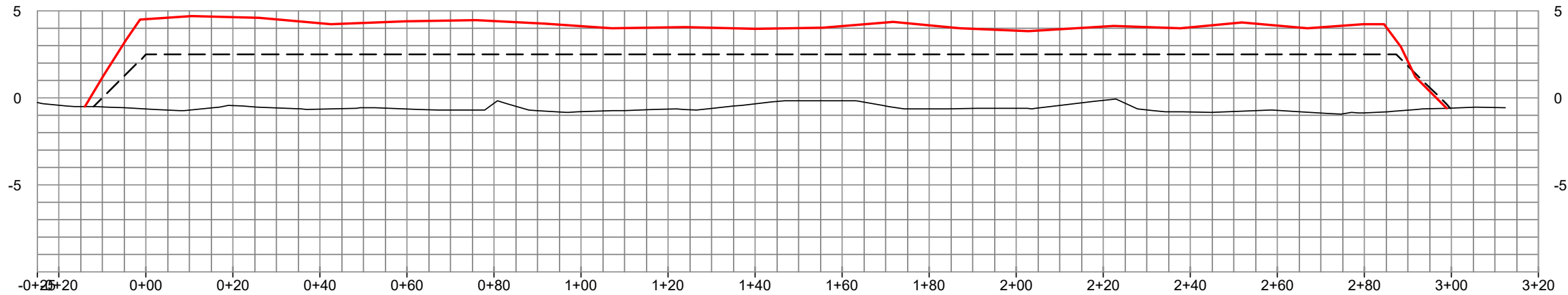
DATE: 06/09/2021 JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

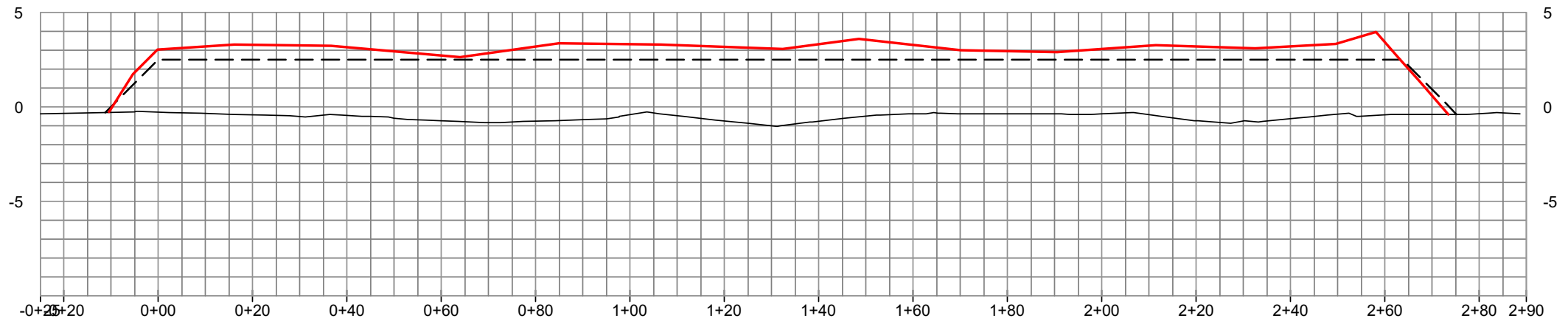
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T-134



T-135



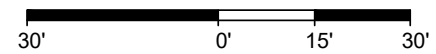
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY

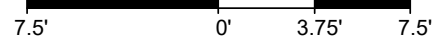
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



DATE: 06/09/2021

JOB# 2201113



**HYDROTERRA**



PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

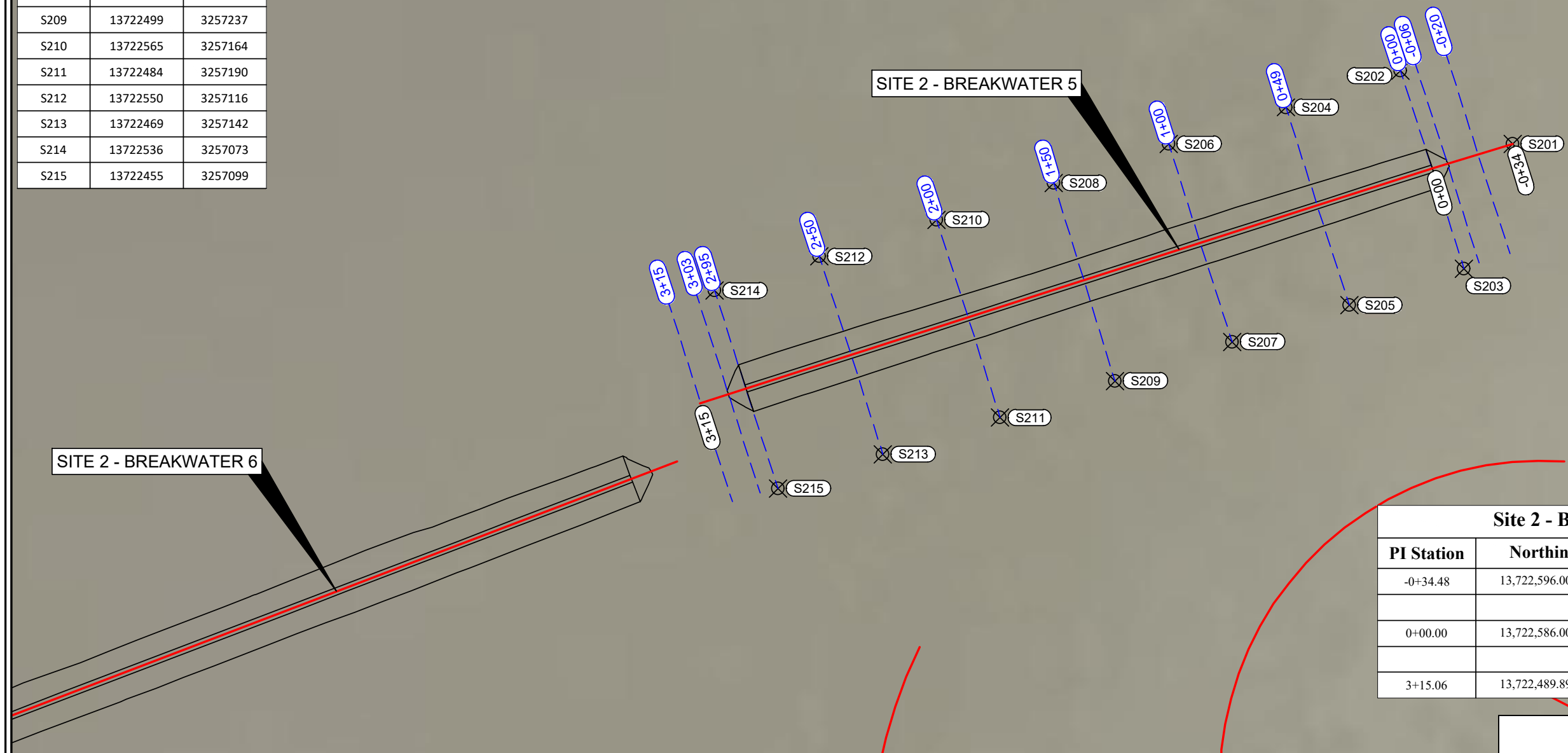
FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

**SITE 1 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 PROFILE VIEWS  
 GALVESTON COUNTY, TEXAS

Name	Northing	Easting
S201	13722596	3257400
S202	13722626	3257354
S203	13722545	3257380
S204	13722611	3257307
S205	13722530	3257333
S206	13722596	3257259
S207	13722515	3257285
S208	13722580	3257212
S209	13722499	3257237
S210	13722565	3257164
S211	13722484	3257190
S212	13722550	3257116
S213	13722469	3257142
S214	13722536	3257073
S215	13722455	3257099

TEXAS SOUTH CENTRAL ZONE - NAD83 HPGN DATUM  
DERIVED VIA GPS KINEMATIC OBSERVATIONS



PI Station	Northing	Easting	Distance	Direction
-0+34.48	13,722,596.0000'	3,257,400.0000'		
			34.48'	S73° 08' 30"W
0+00.00	13,722,586.0000'	3,257,367.0000'		
			315.06'	S72° 14' 26"W
3+15.06	13,722,489.8996'	3,257,066.9531'		

**SITE 2 - BREAKWATERS**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
SITE 2 - BREAKWATER 05 SURVEY PLAN VIEW  
GALVESTON COUNTY, TEXAS

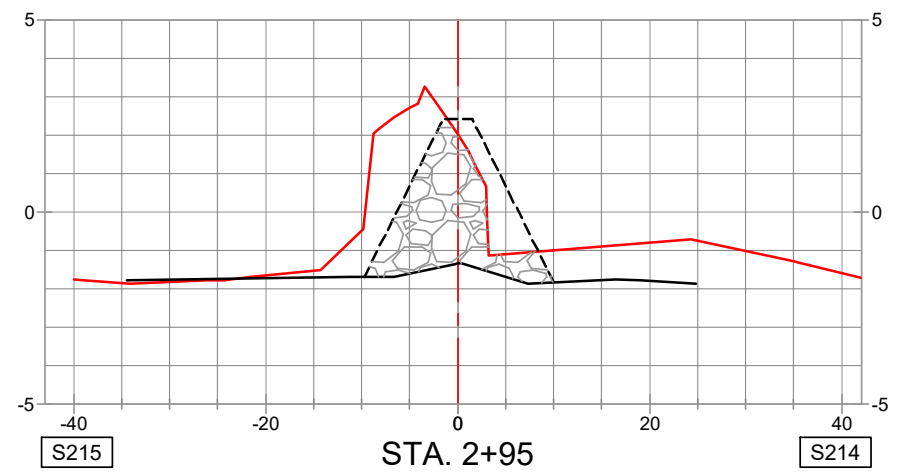
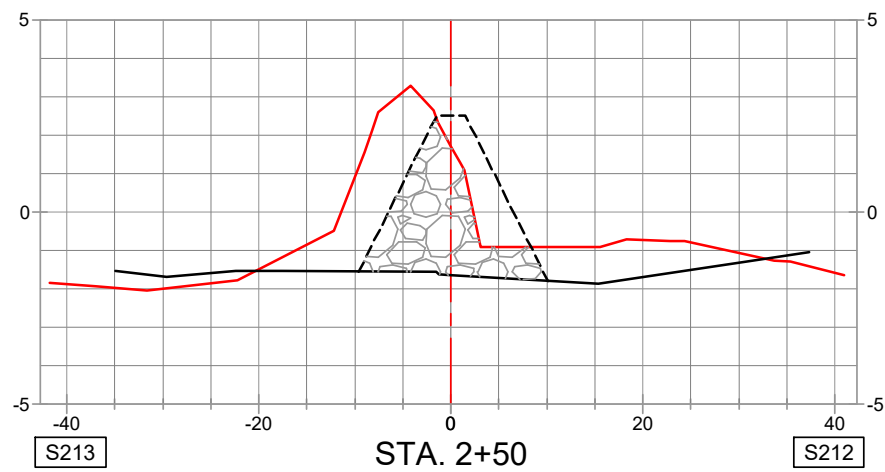
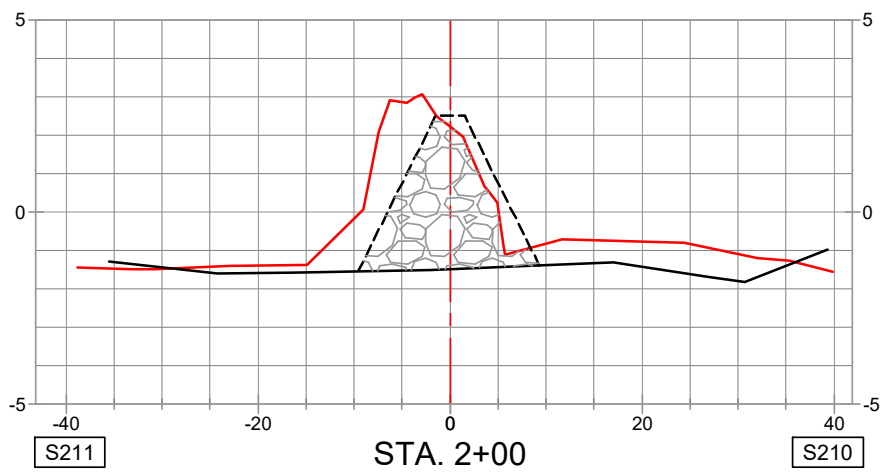
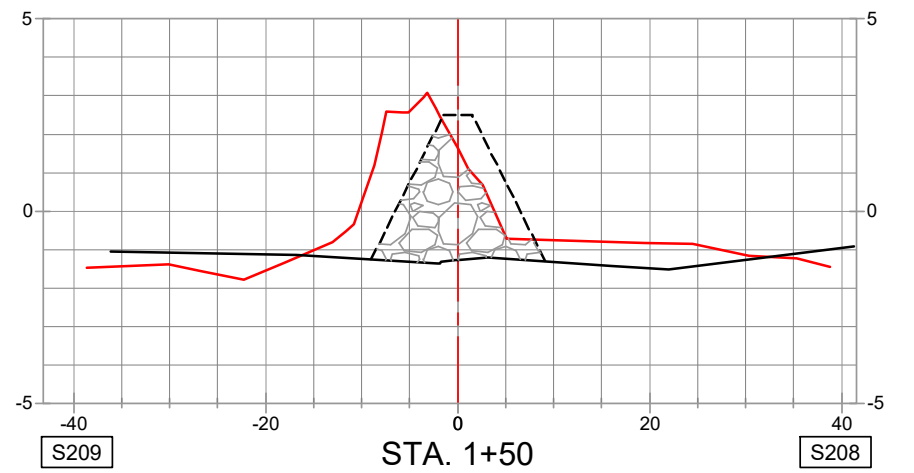
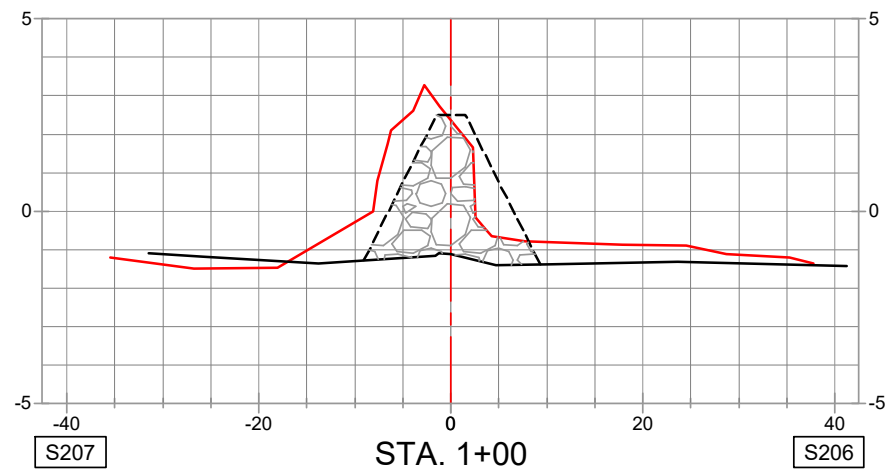
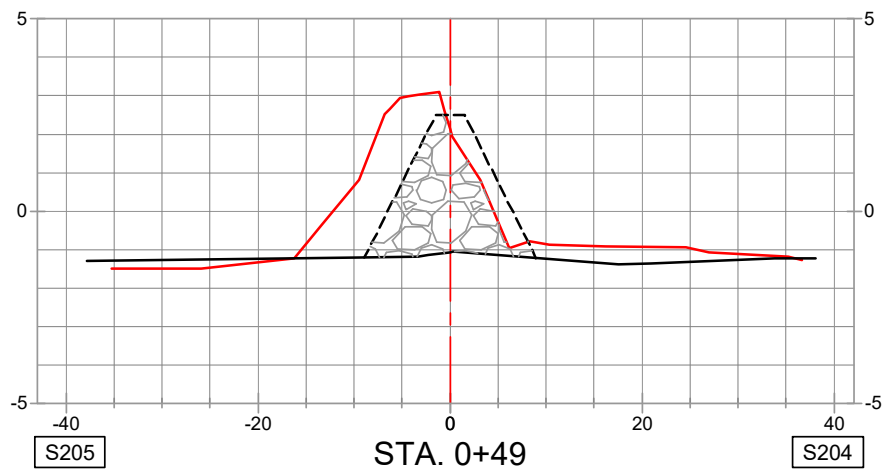
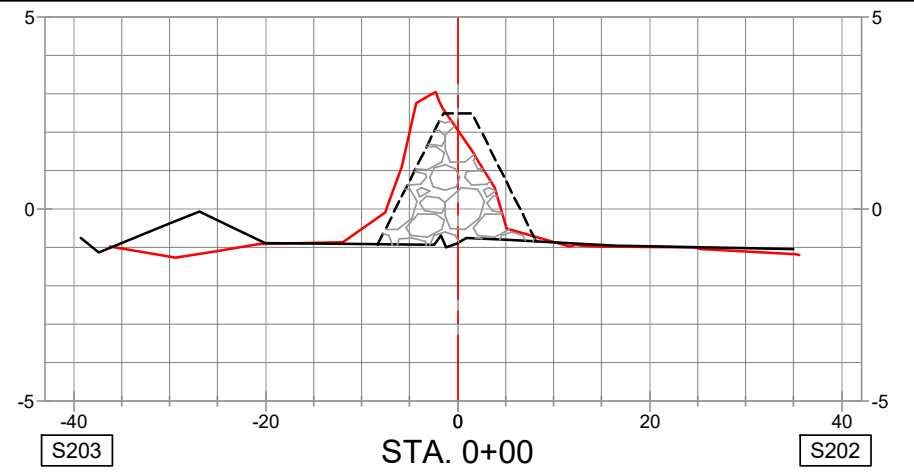
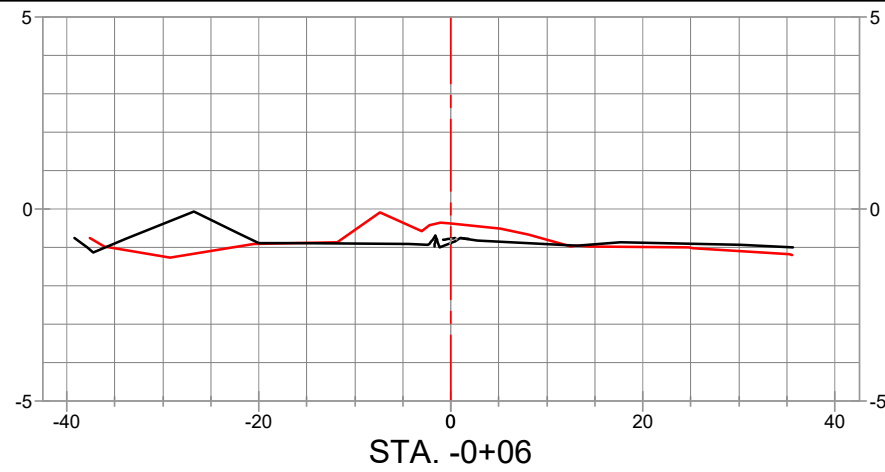
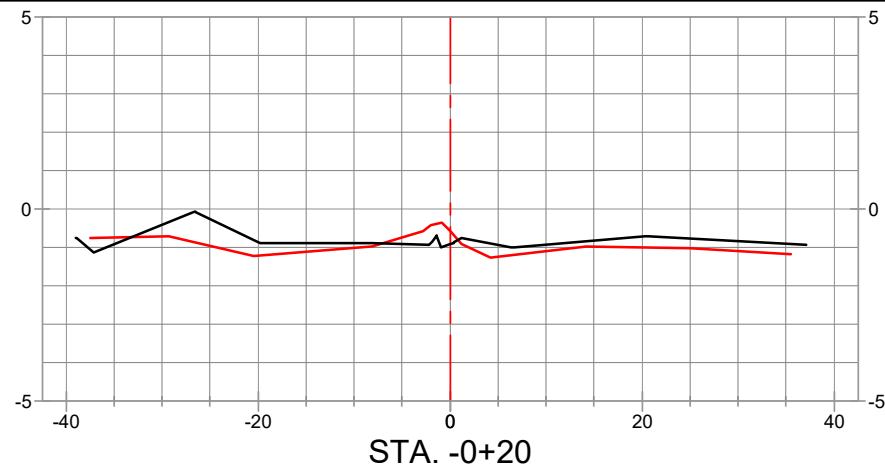


LEGEND	
<span style="color: red;">—</span>	BREAKWATER ALIGNMENT
<span style="color: black;">—</span>	BREAKWATER TEMPLATE
<span style="color: blue;">- - -</span>	SURVEYED CROSS-SECTION

REVISED BY:	DATE:
HORIZONTAL SCALE	

**HYDROTERRA**

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583



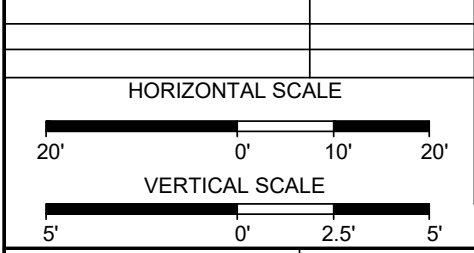
**NOTES**

- 1.) BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

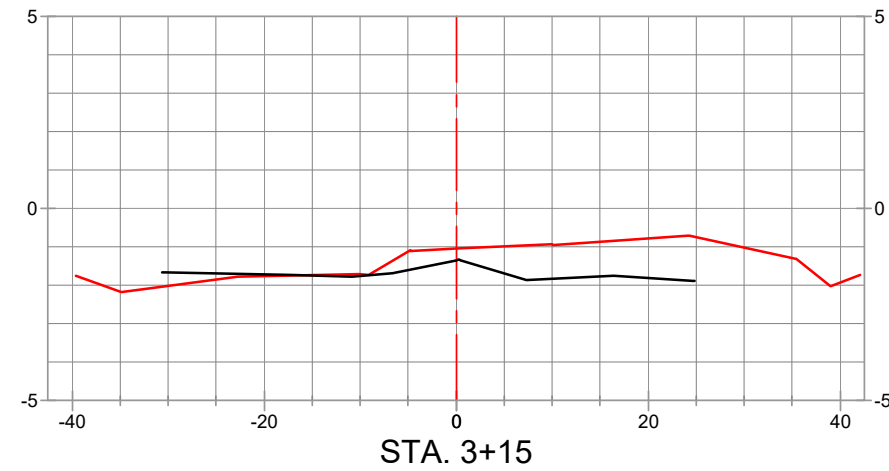
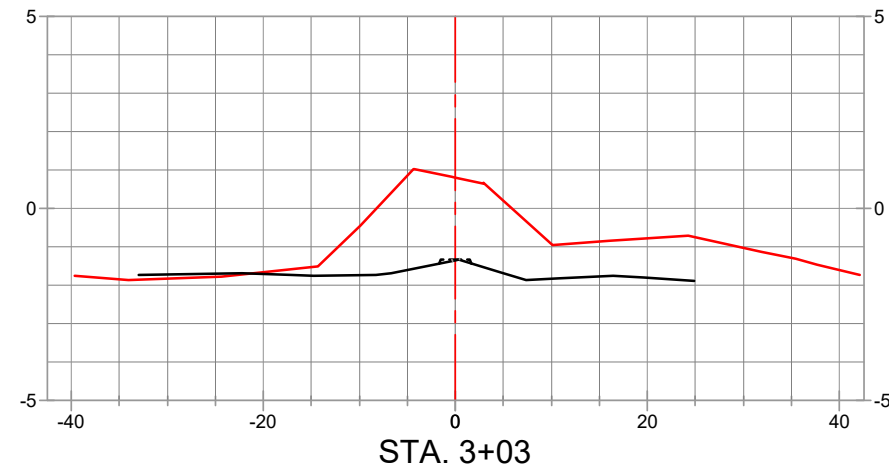
**LEGEND**

- PRE-CONSTRUCTION SURVEY (12/19/2020)
- AS-BUILT SURVEY (01/27/2021)
- TEMPLATE
- VOLUME IN PLACE WITHIN TEMPLATE
- BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



CRAWLEY'S SHORELINE CONSTRUCTION INC.  
**COMPILED AS-BUILTS**  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 SITE 2 BREAKWATER 05 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS



SITE 2 - BW05 VOLUME IN PLACE WITHIN TEMPLATE			
Station	Area	Volume	Cumulative Volume
-0+19.60	0.00	0.00	0.00
-0+06.46	0.28	0.07	0.07
0+00.15	26.09	3.23	3.30
0+49.49	30.84	52.01	55.31
0+99.78	31.60	58.14	113.45
1+49.89	30.31	57.45	170.89
1+99.71	37.58	62.64	233.53
2+49.99	34.41	67.04	300.57
2+95.22	34.43	57.65	358.22
3+02.71	0.17	4.81	363.02
3+14.66	0.00	0.04	363.06



**NOTES**

- BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

- PRE-CONSTRUCTION SURVEY (12/19/2020)
- AS-BUILT SURVEY (01/27/2021)
- - - TEMPLATE
- VOLUME IN PLACE WITHIN TEMPLATE
- - - BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE

VERTICAL SCALE

DATE: 06/09/2021 JOB# 2201113

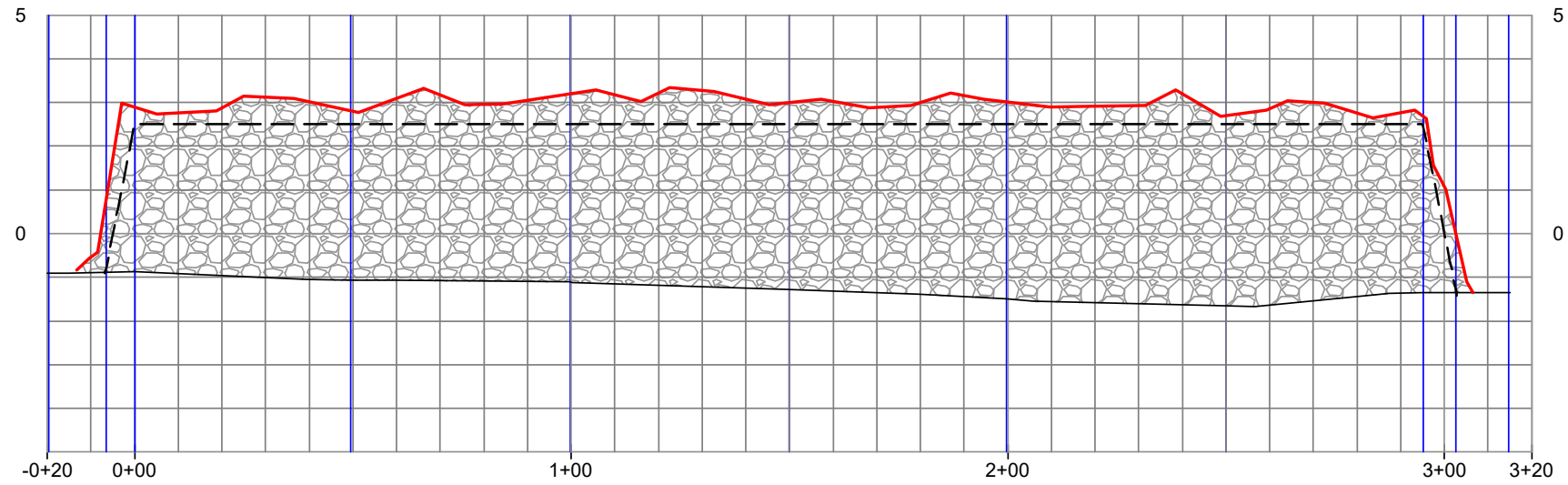
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 2 BREAKWATER 05 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 71 OF 112

SITE 2 - BREAKWATER 05 PROFILE



NOTES

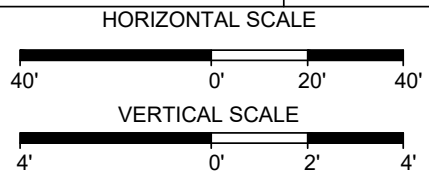
- 1.) BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

LEGEND

- PRE-CONSTRUCTION SURVEY
- AS-BUILT SURVEY
- TEMPLATE
- VOLUME IN PLACE
- SURVEYED CROSS-SECTION

REVISED BY:

DATE:



CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 2 BREAKWATER 05 PROFILE VIEW  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

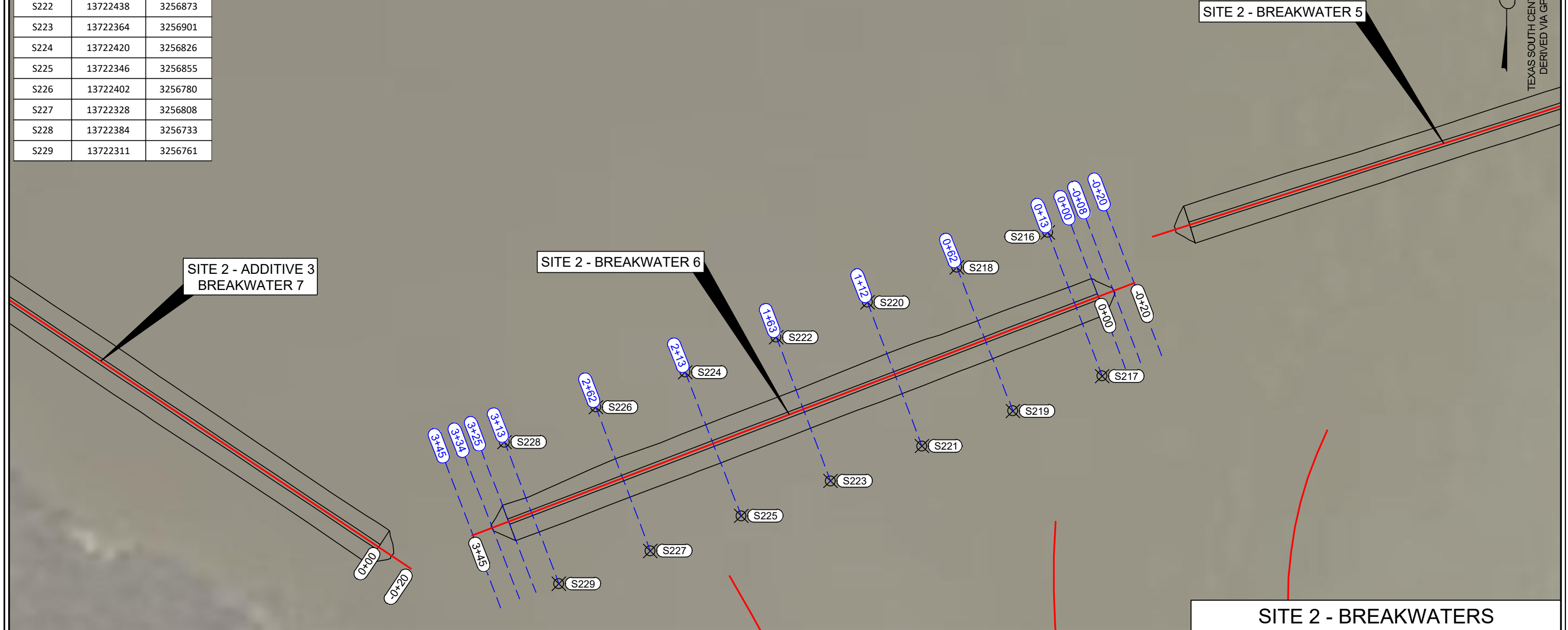
SHEET: 72 OF 112



Name	Northing	Easting
S216	13722492	3257013
S217	13722418	3257041
S218	13722474	3256966
S219	13722400	3256995
S220	13722456	3256920
S221	13722382	3256948
S222	13722438	3256873
S223	13722364	3256901
S224	13722420	3256826
S225	13722346	3256855
S226	13722402	3256780
S227	13722328	3256808
S228	13722384	3256733
S229	13722311	3256761

Site 2 - Breakwater 6 Alignment Report				
PI Station	Northing	Easting	Distance	Direction
-0+20.00	13,722,466.1301'	3,257,057.6859'		
			365.38'	S69° 06' 51"W
3+45.38	13,722,335.8699'	3,256,716.3141'		

TEXAS SOUTH CENTRAL ZONE - NAD83 HPGN DATUM  
DERIVED VIA GPS KINEMATIC OBSERVATIONS



**LEGEND**

- BREAKWATER ALIGNMENT
- BREAKWATER TEMPLATE
- - - SURVEYED CROSS-SECTION

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**HORIZONTAL SCALE**

50'      0'      25'      50'

DATE: 06/09/2021      JOB# 2201113

**HYDROTERRA**

**CRAWLEY'S**  
SHORELINE CONSTRUCTION INC.  
281-383-3665

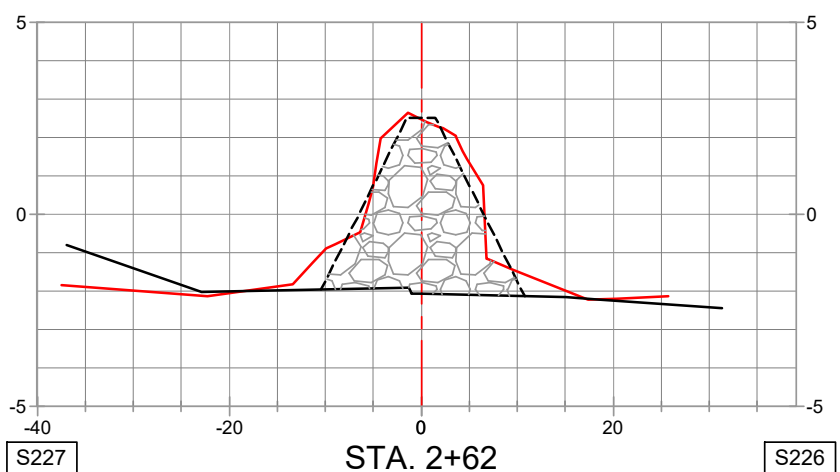
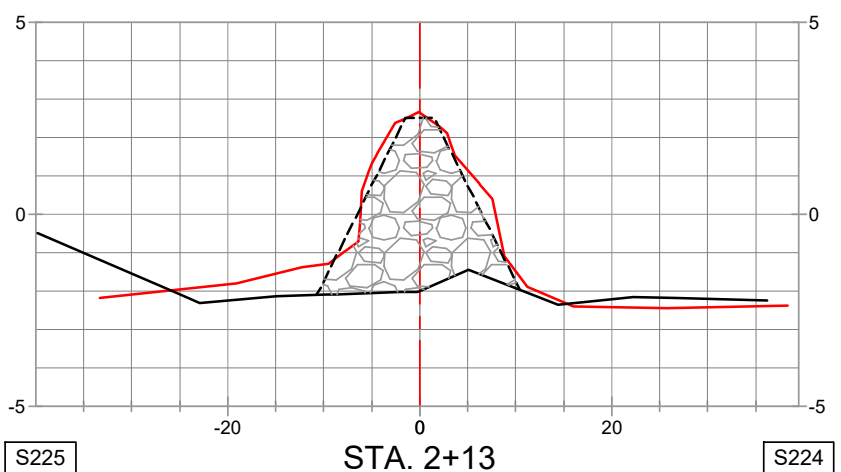
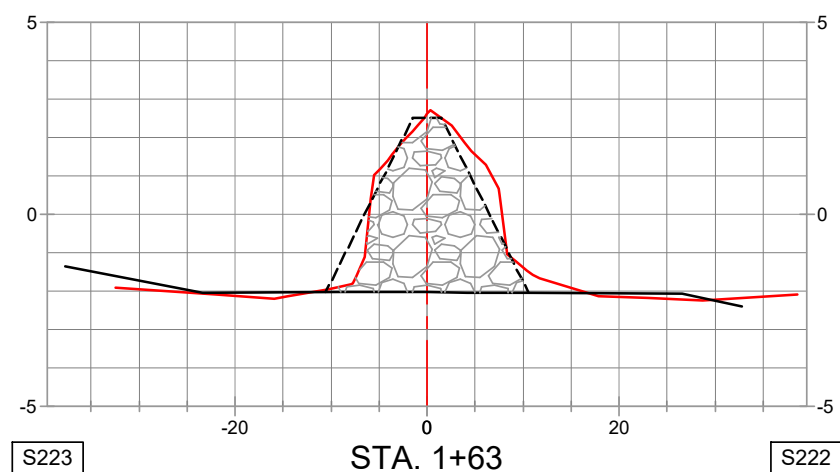
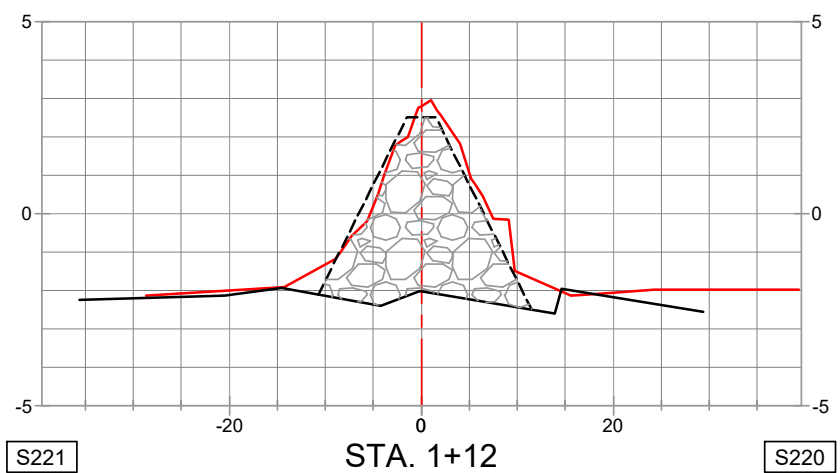
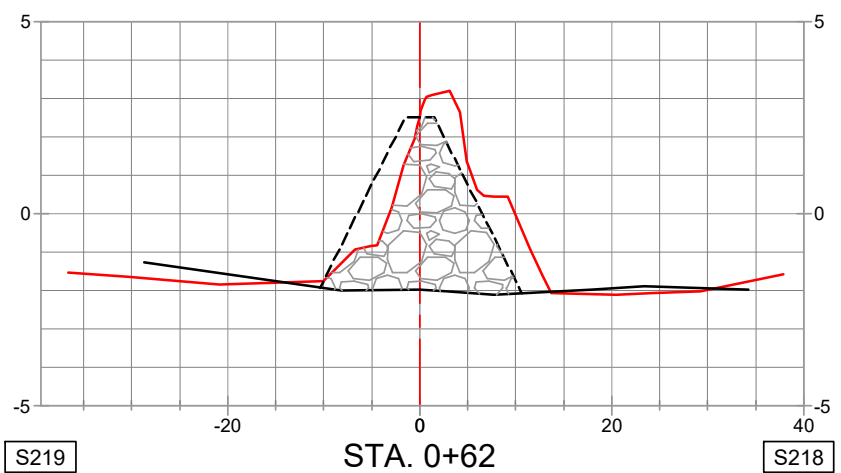
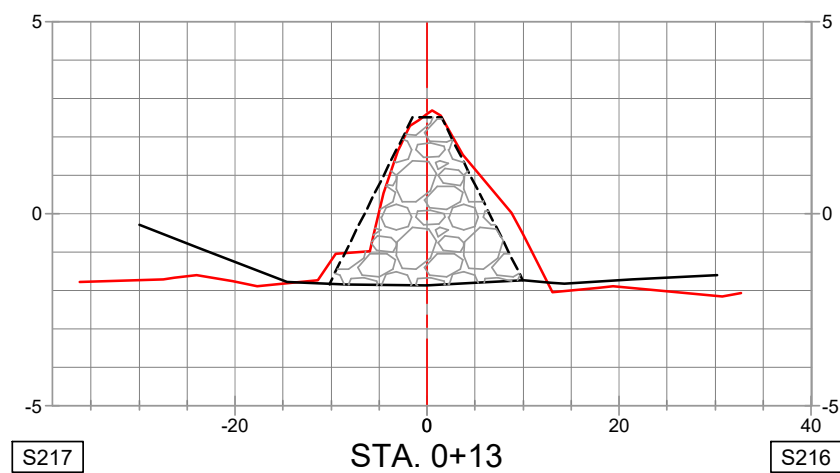
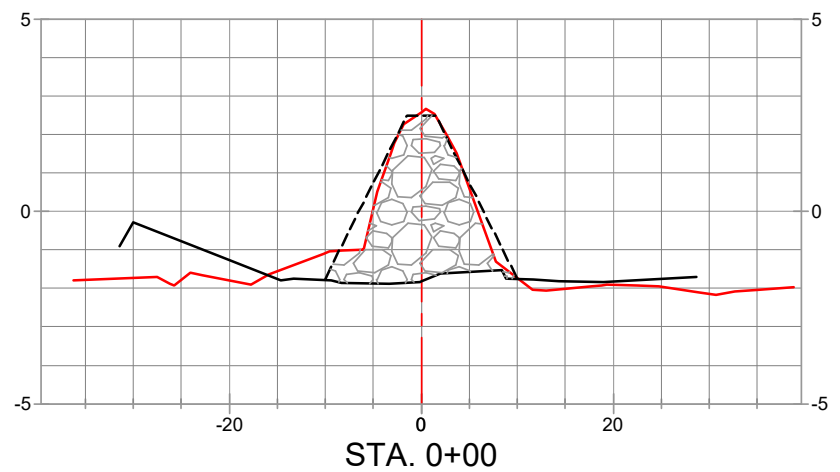
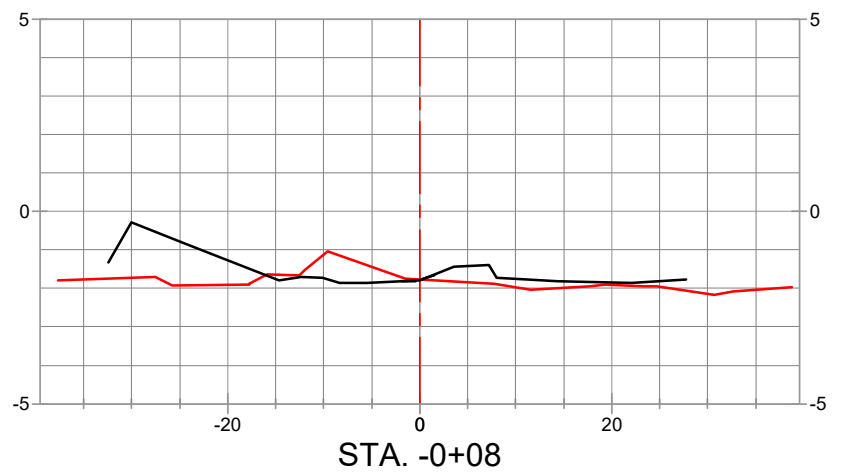
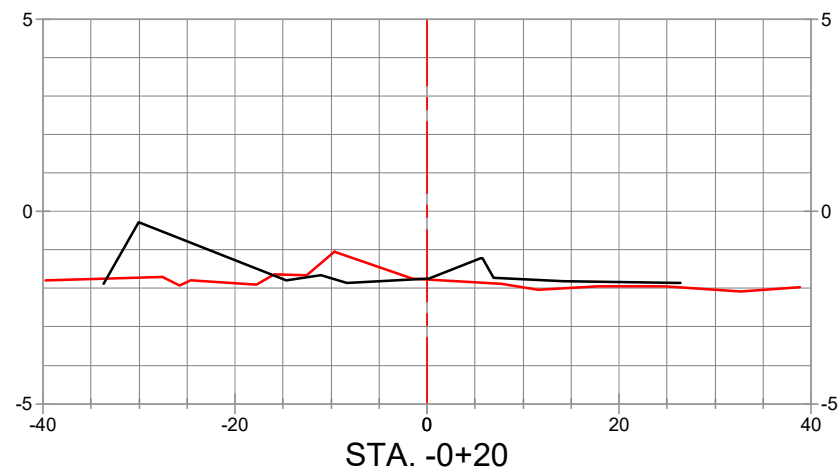
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

**SITE 2 - BREAKWATERS**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
SITE 2 - BREAKWATER 06 SURVEY PLAN VIEW  
GALVESTON COUNTY, TEXAS

SHEET: 73 OF 112



**NOTES**

- 1.) BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

- PRE-CONSTRUCTION SURVEY (12/19/2020)
- AS-BUILT SURVEY (02/04/2021)
- - - TEMPLATE
- ◻ VOLUME IN PLACE WITHIN TEMPLATE
- - - BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE  
 20' 0' 10' 20'

VERTICAL SCALE  
 5' 0' 2.5' 5'

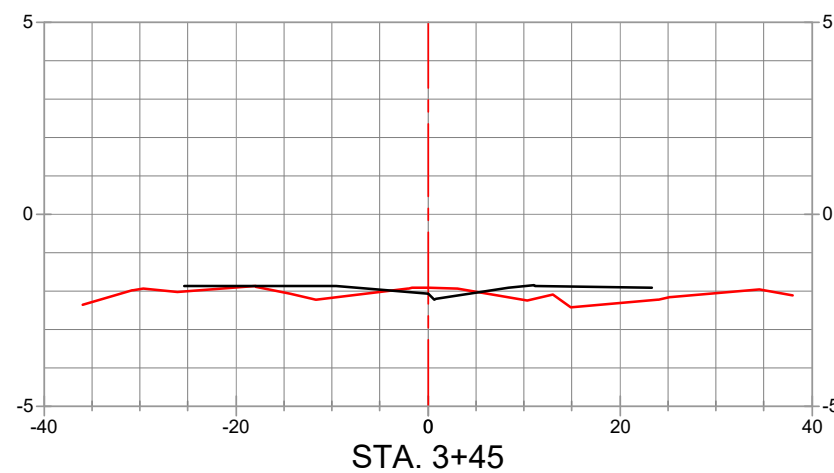
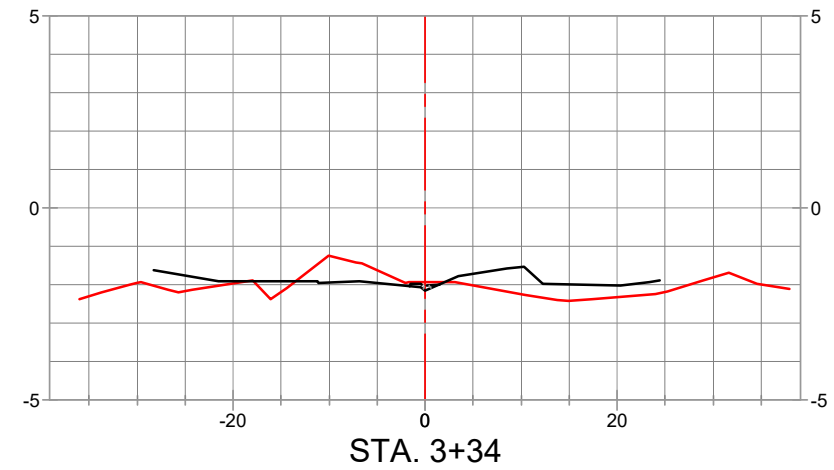
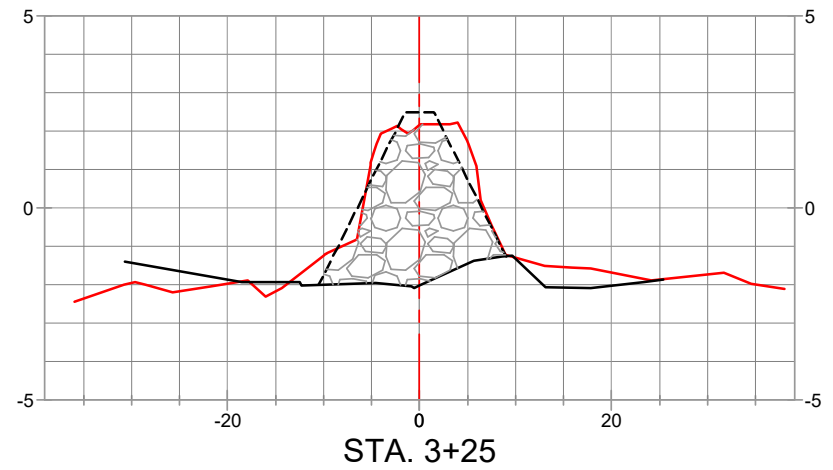
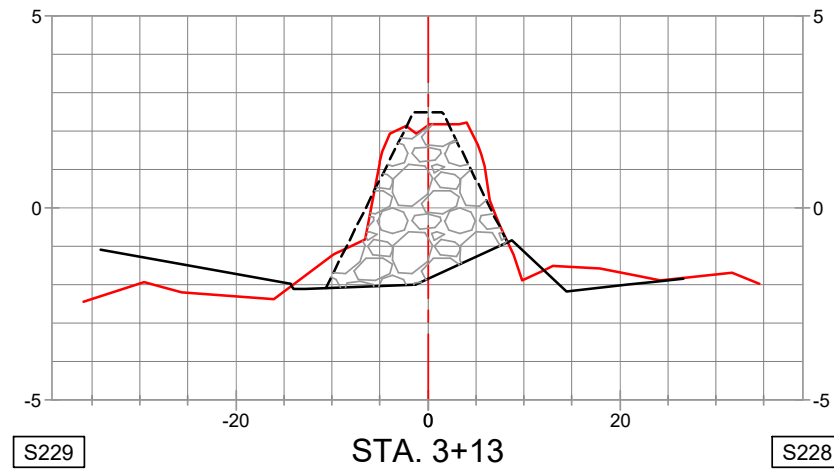
DATE: 06/09/2021 JOB# 2201113

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Built.dwg

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 2 BREAKWATER 06 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS

SHEET: 74 OF 112



SITE 2 - BW06 VOLUME IN PLACE WITHIN TEMPLATE			
Station	Area	Volume	Cumulative Volume
-0+19.60	0.00	0.00	0.00
-0+08.29	0.01	0.00	0.00
0+00.10	43.42	6.74	6.75
0+12.64	47.14	21.03	27.77
0+62.50	44.43	84.55	112.32
1+12.36	56.68	93.37	205.69
1+62.69	50.77	100.15	305.84
2+12.55	50.43	93.45	399.29
2+62.41	52.23	94.79	494.08
3+12.56	45.05	90.35	584.43
3+25.28	46.61	21.58	606.01
3+34.33	0.20	7.84	613.86
3+44.98	0.00	0.04	613.90



**NOTES**

- BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

- PRE-CONSTRUCTION SURVEY (12/19/2020)
- AS-BUILT SURVEY (02/04/2021)
- - - TEMPLATE
- VOLUME IN PLACE WITHIN TEMPLATE
- - - BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE

VERTICAL SCALE

DATE: 06/09/2021 JOB# 2201113

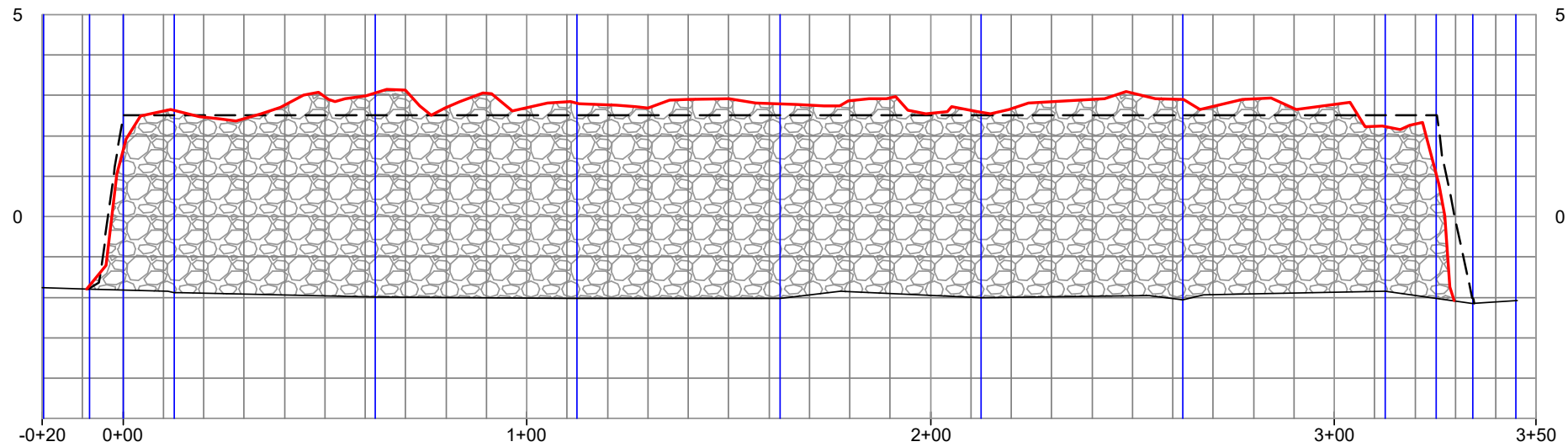
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 2 BREAKWATER 06 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS

SHEET: 75 OF 112

SITE 2 - BREAKWATER 06 PROFILE



NOTES

- 1.) BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

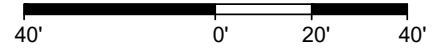
LEGEND

- PRE-CONSTRUCTION SURVEY
- AS-BUILT SURVEY
- TEMPLATE
- VOLUME IN PLACE
- SURVEYED CROSS-SECTION

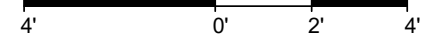
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 2 BREAKWATER 06 PROFILE VIEW  
 GALVESTON COUNTY, TEXAS

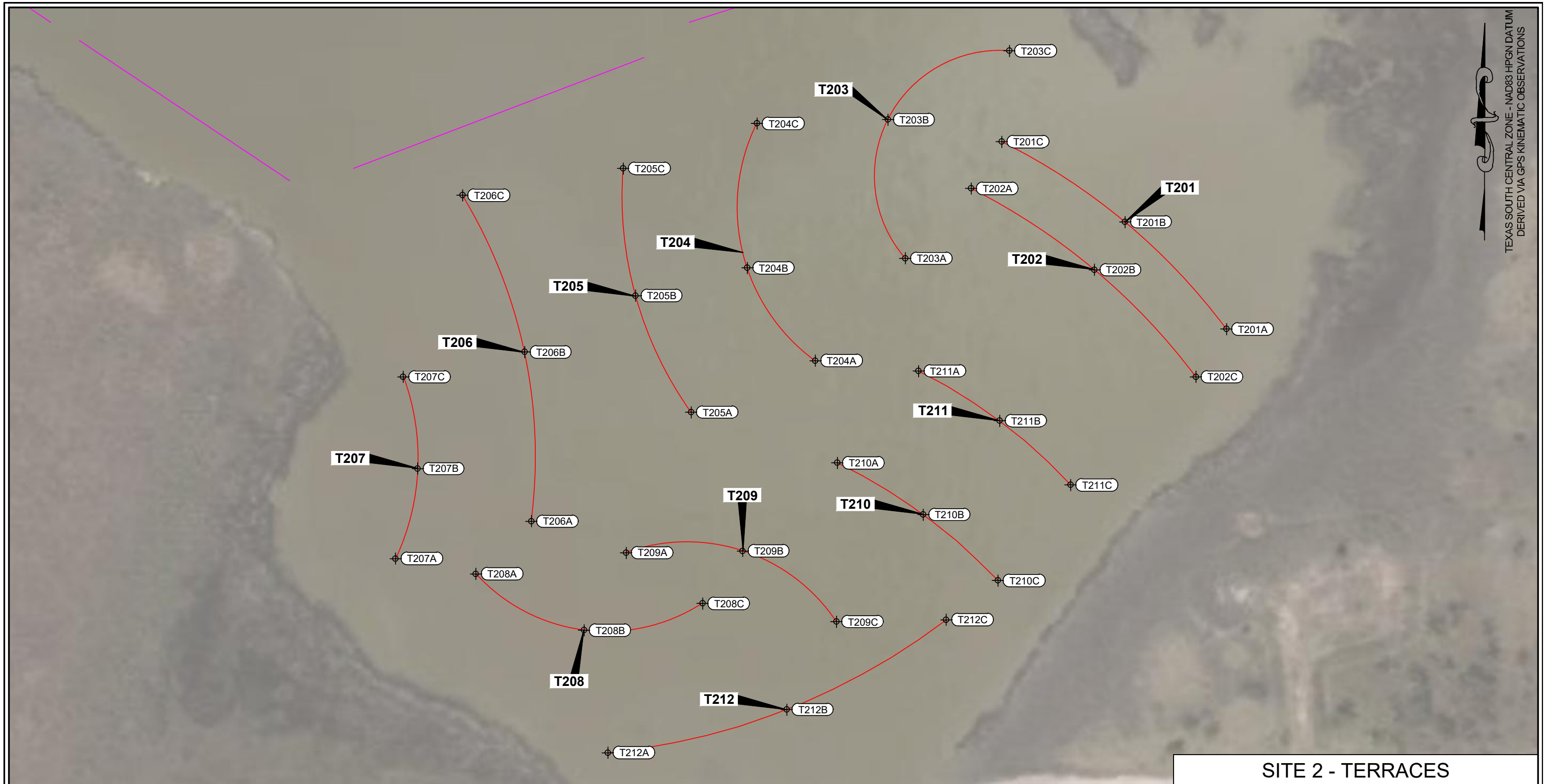
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

JOB# 2201113

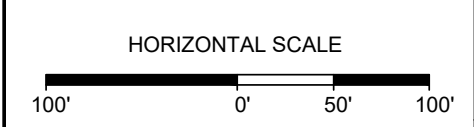
FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 76 OF 112



LEGEND	
<span style="color: red;">—</span>	PROPOSED TERRACES
<span style="color: magenta;">—</span>	PROPOSED BREAKWATERS

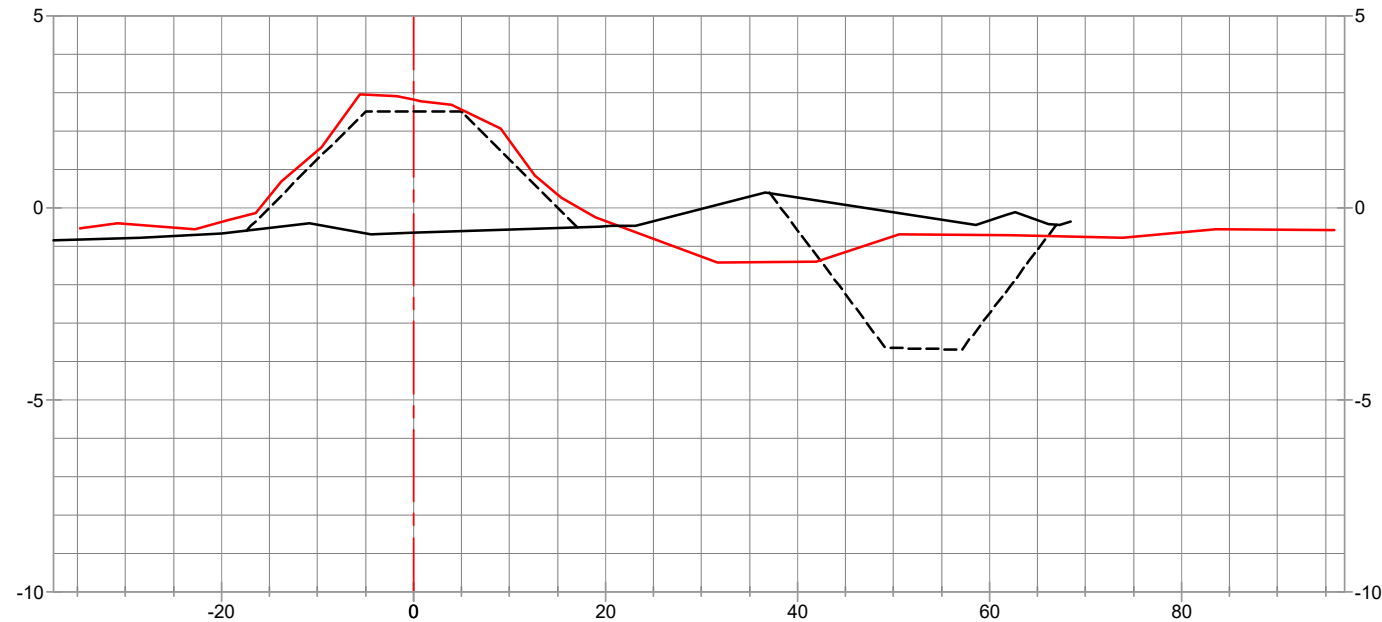
REVISED BY:	DATE:



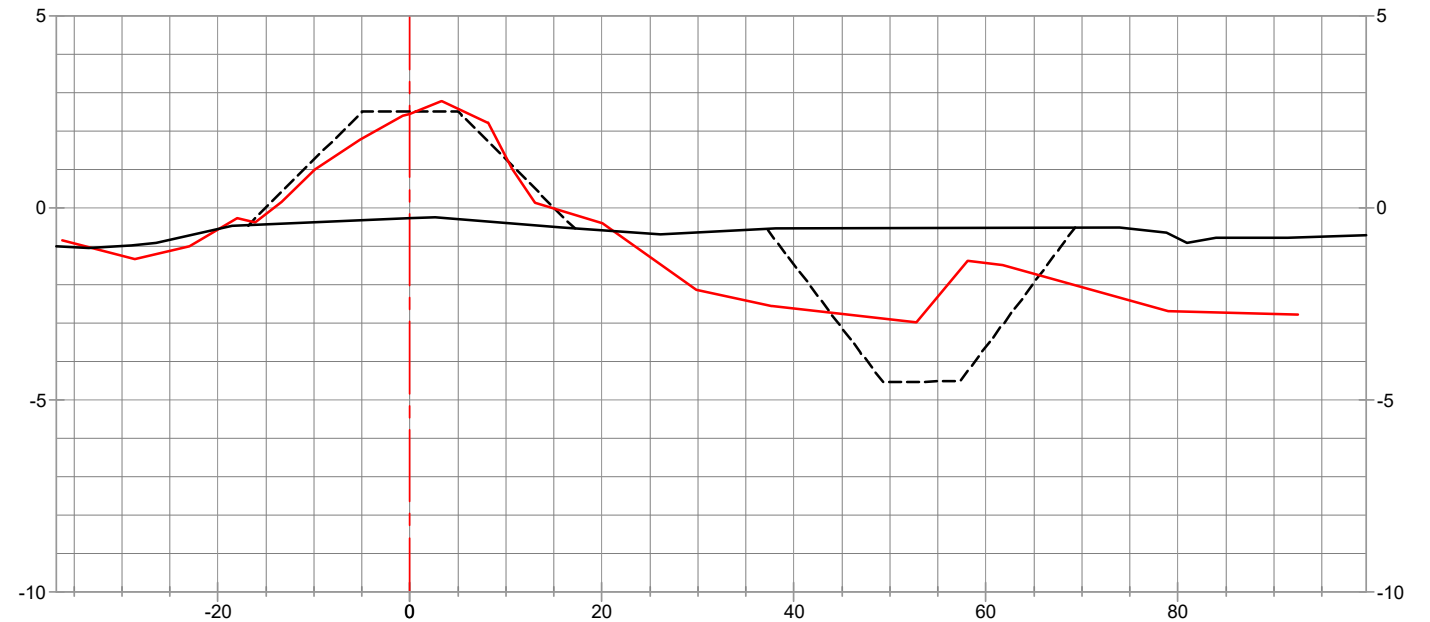
**SITE 2 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 2 – TERRACES PLAN VIEW  
 GALVESTON COUNTY, TEXAS

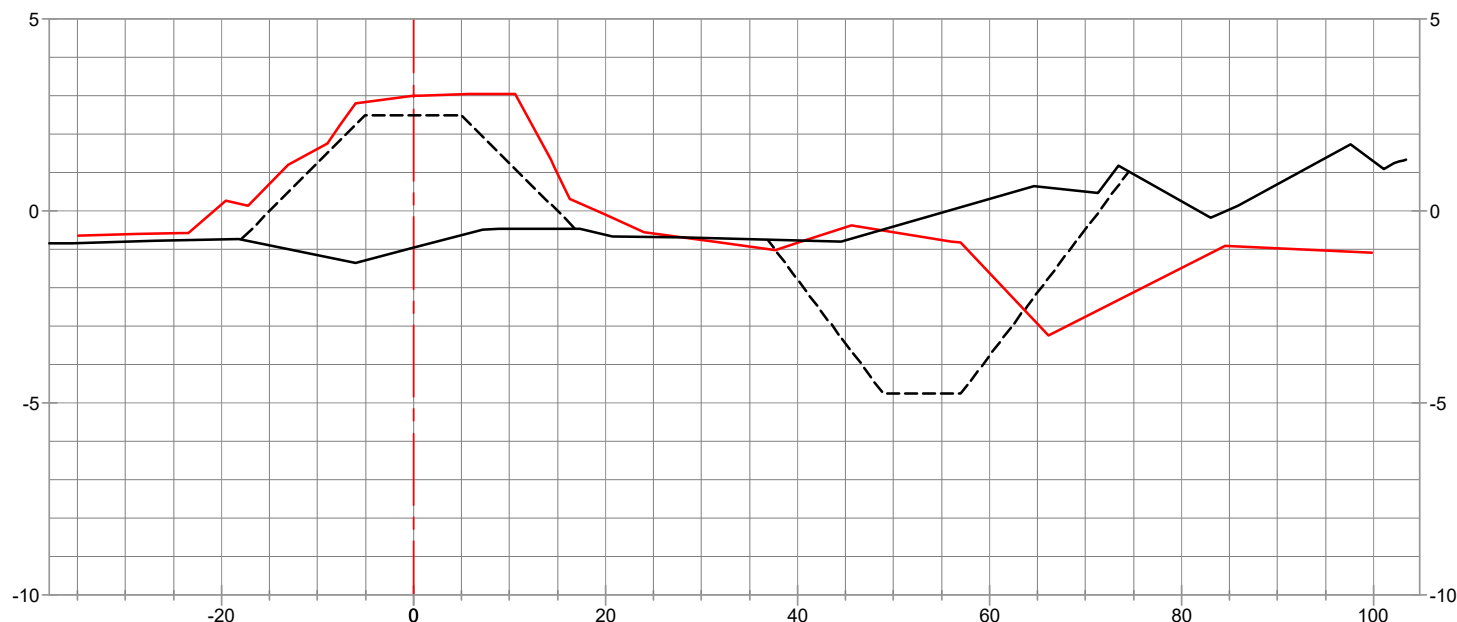
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STA. 0+00 T201A



STA. 3+09 T201C



STA. 1+55 T201B



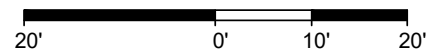
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (02/24/2021 & 02/25/2021)

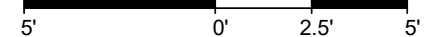
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 2 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T201 SECTIONS  
 GALVESTON COUNTY, TEXAS

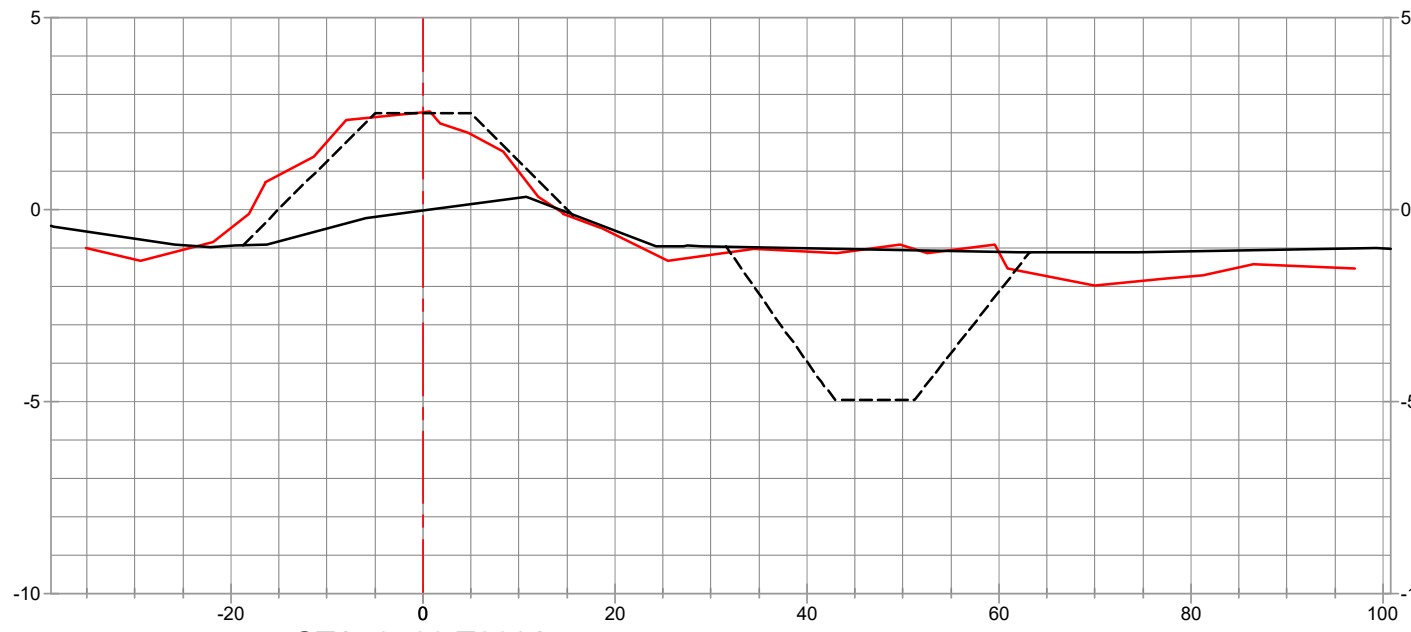
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

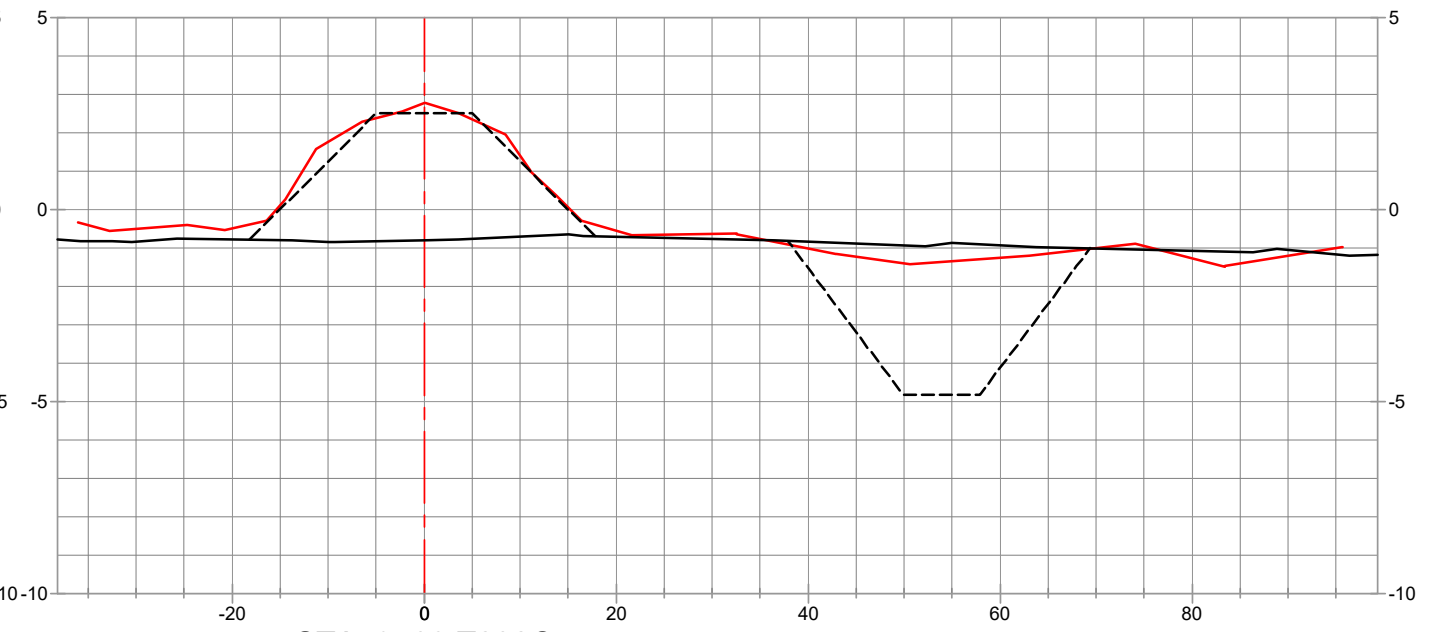
JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

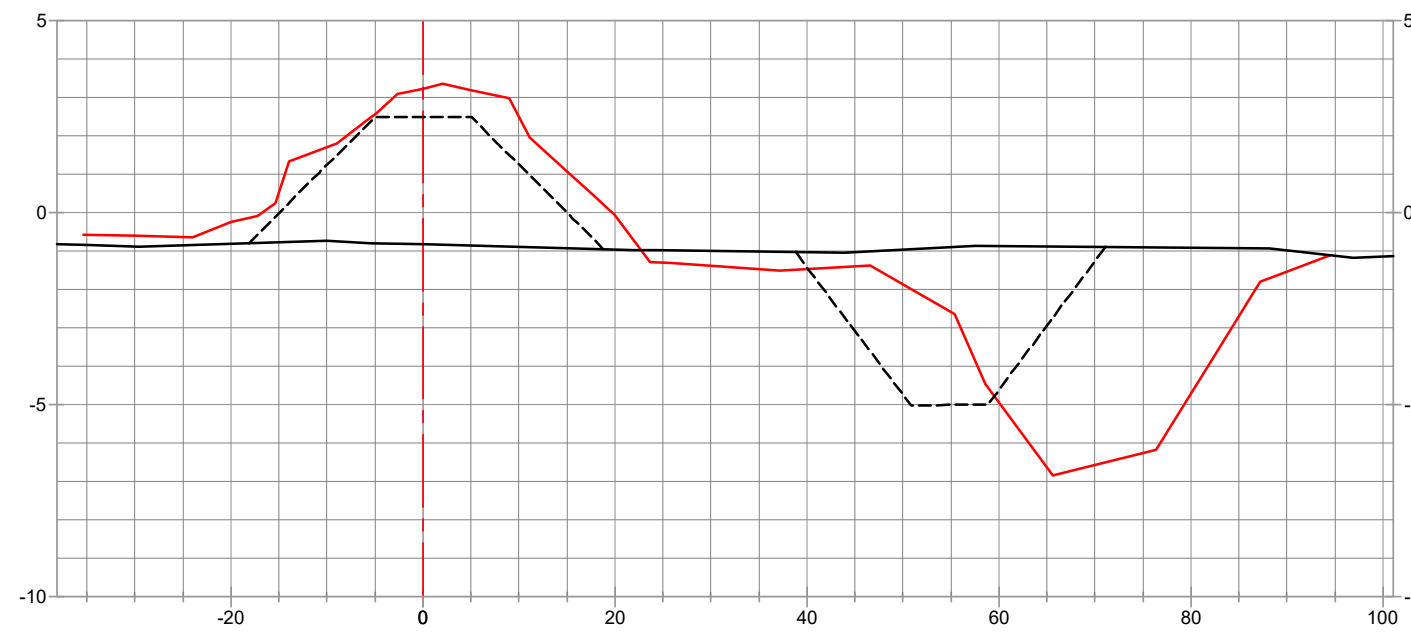
SHEET: 78 OF 112



STA. 0+00 T202A



STA. 3+09 T202C



STA. 1+55 T202B



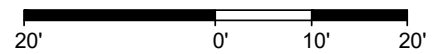
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (02/24/2021 & 02/25/2021)

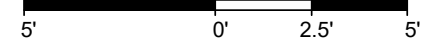
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 2 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 T202 SECTIONS  
 GALVESTON COUNTY, TEXAS

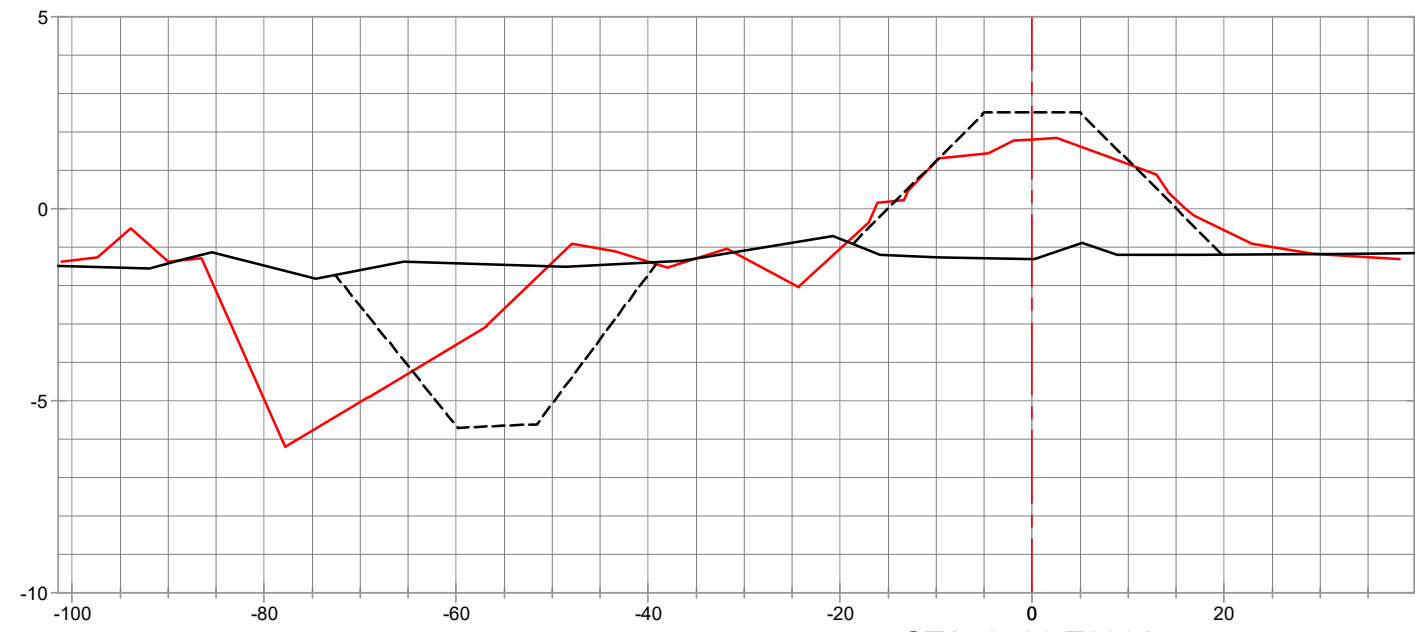
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

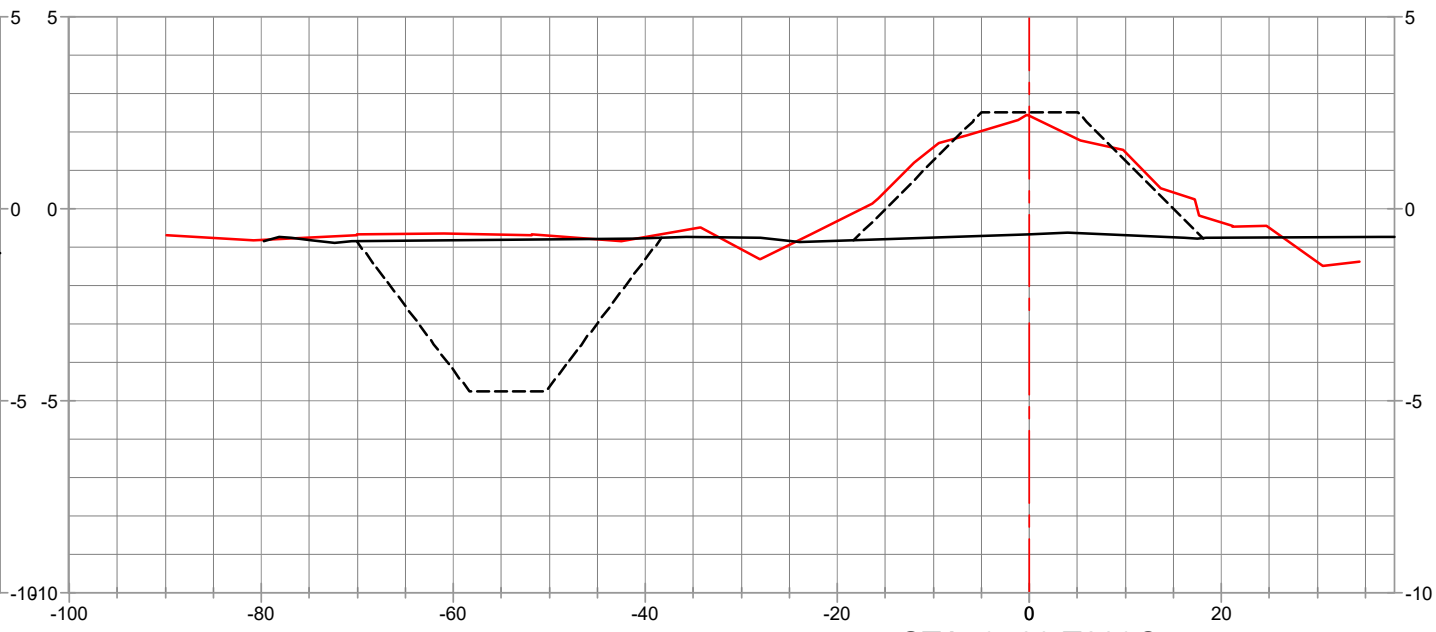
JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

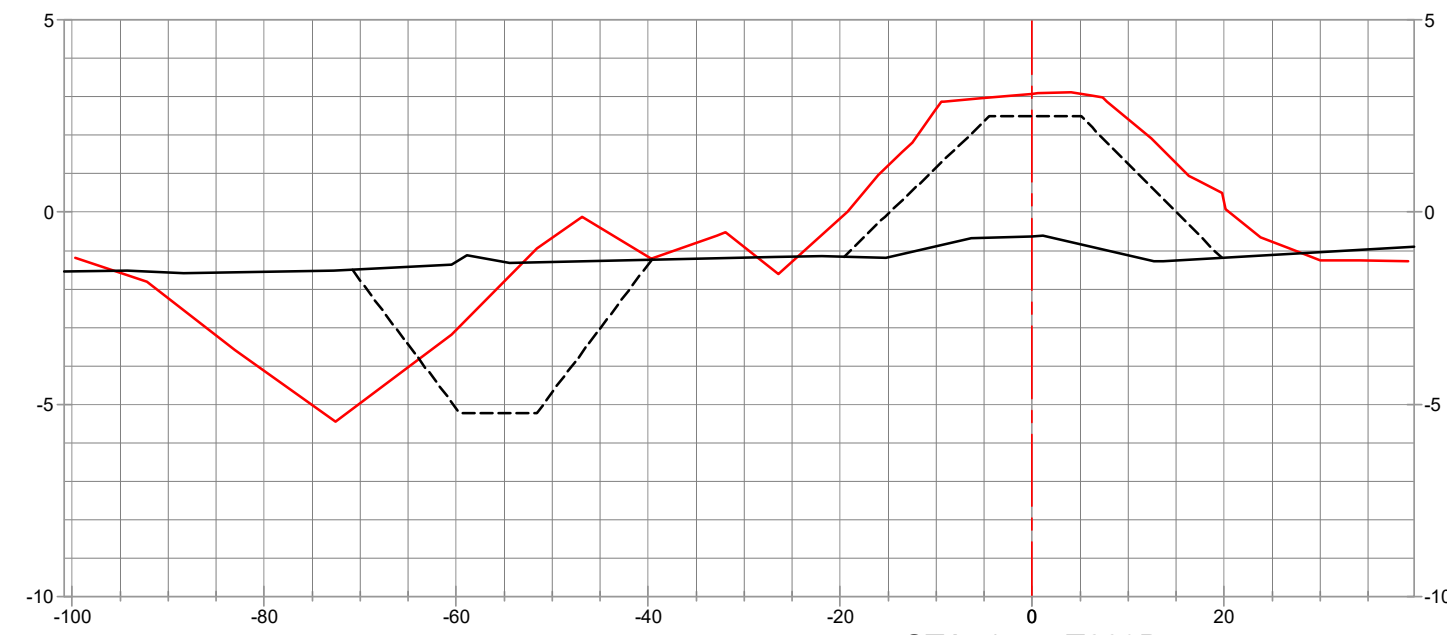
SHEET: 79 OF 112



STA. 0+00 T203A



STA. 3+09 T203C



STA. 1+55 T203B



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	TEMPLATE
	POST CONSTRUCTION SURVEY (02/24/2021 & 02/25/2021)

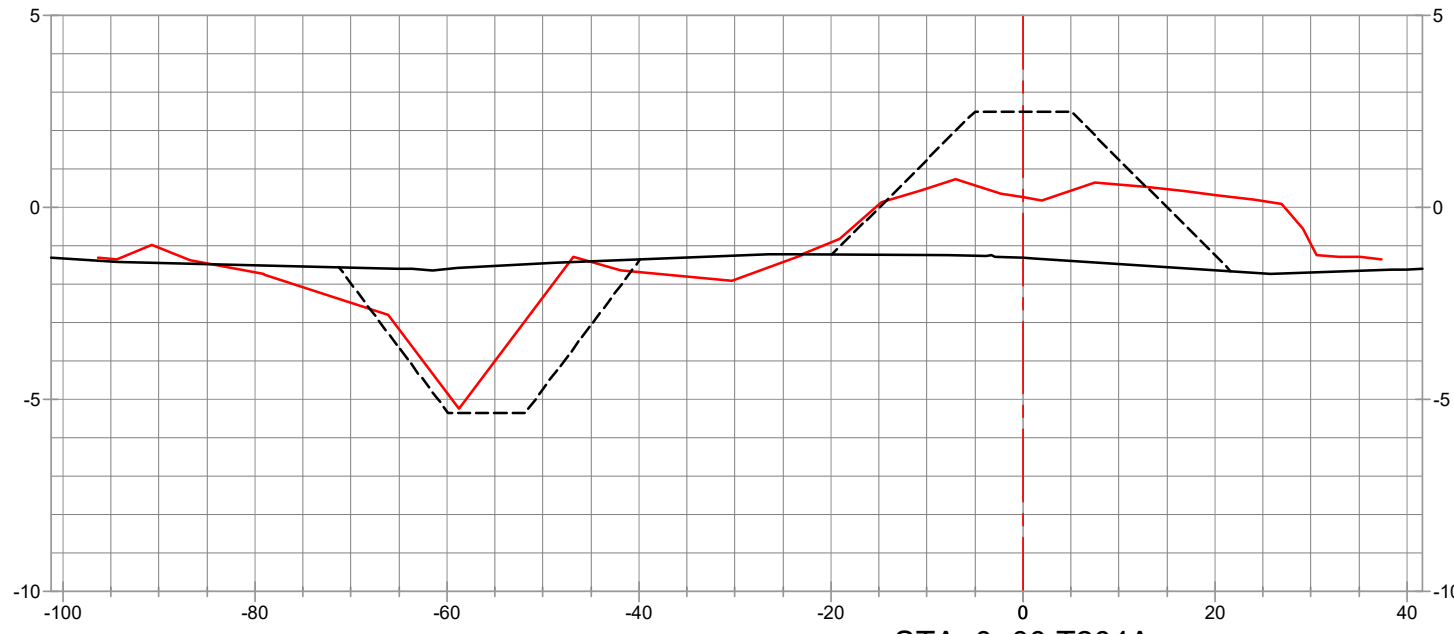
REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113



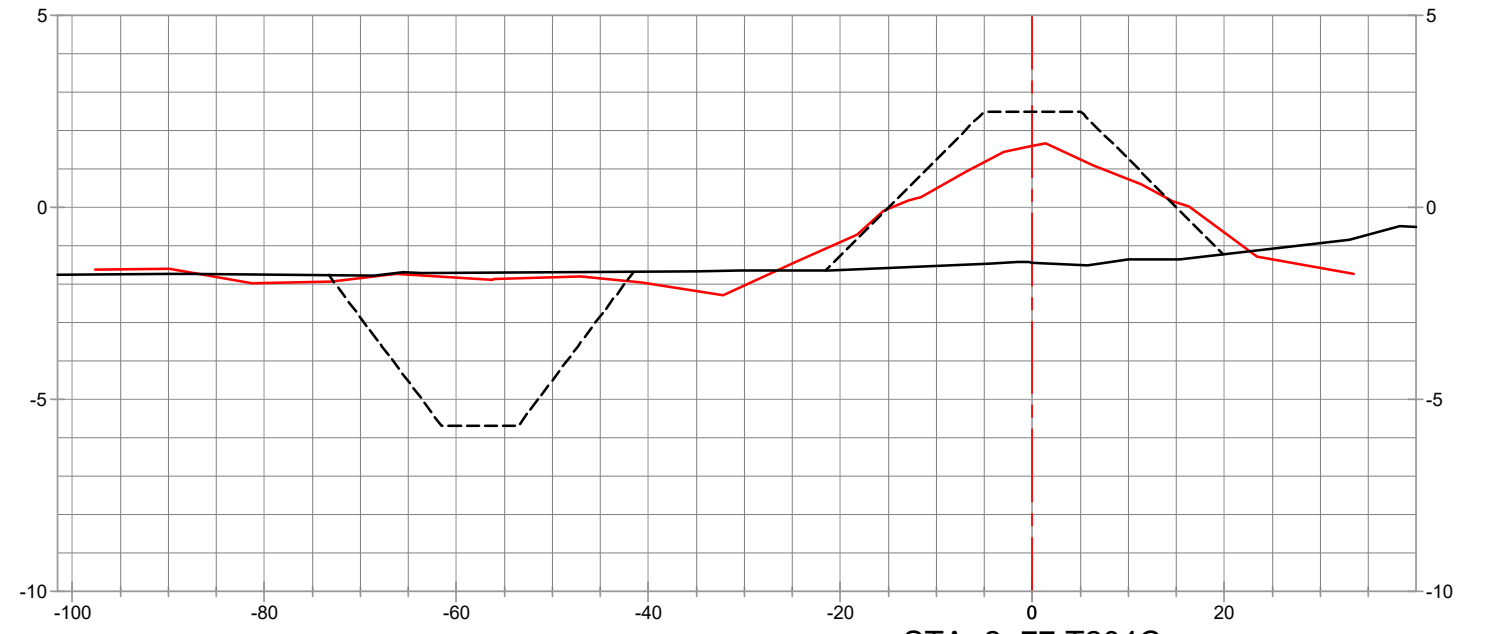
**SITE 2 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T203 SECTIONS  
 GALVESTON COUNTY, TEXAS

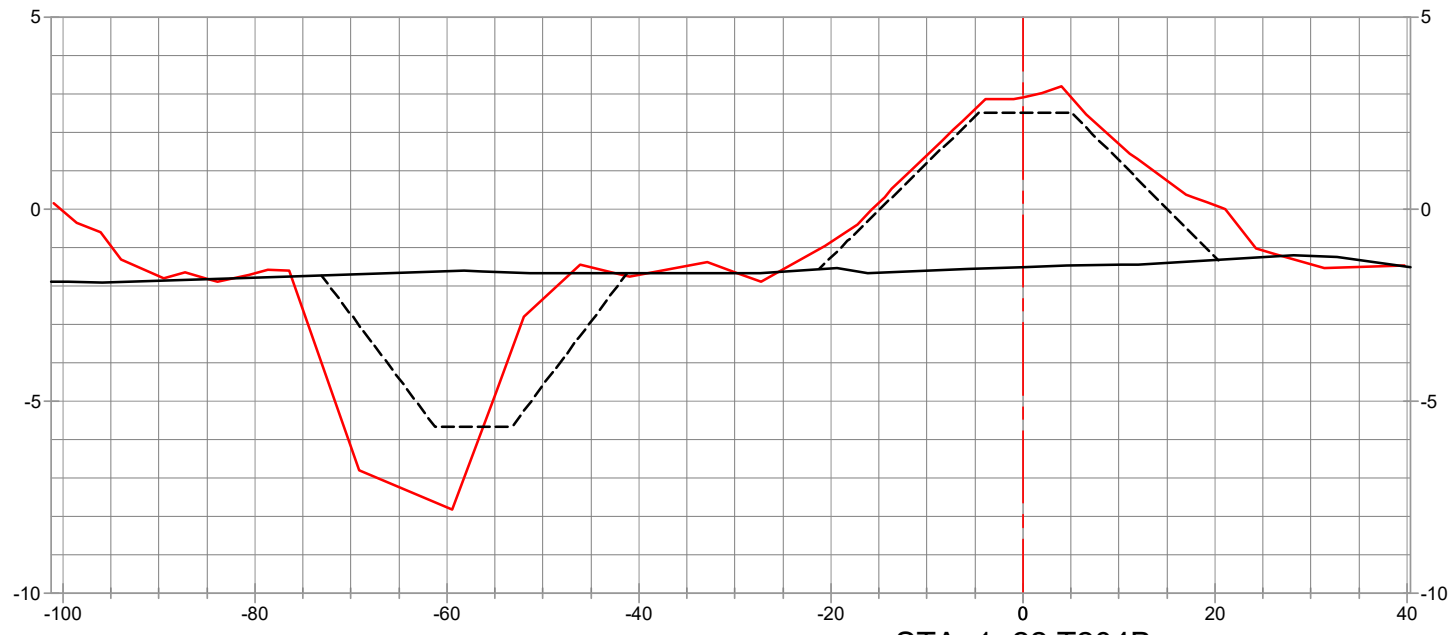




STA. 0+00 T204A



STA. 2+77 T204C



STA. 1+22 T204B

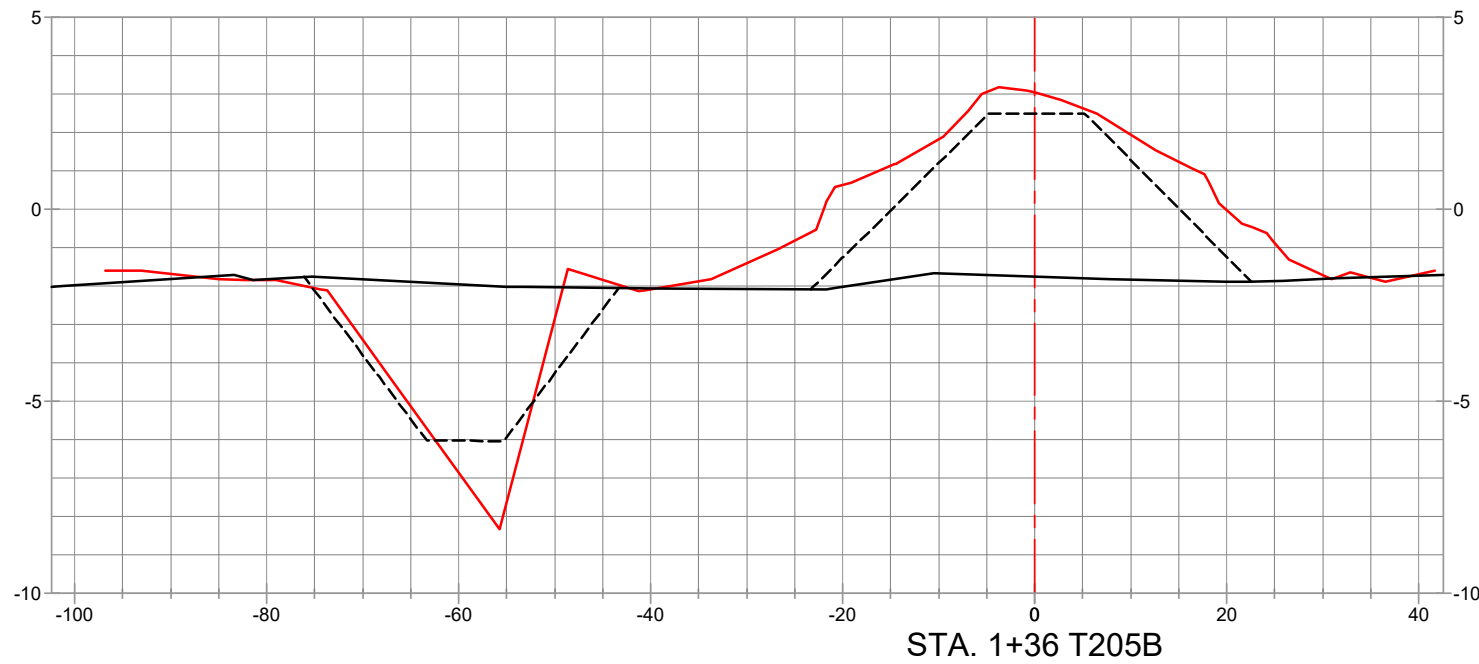
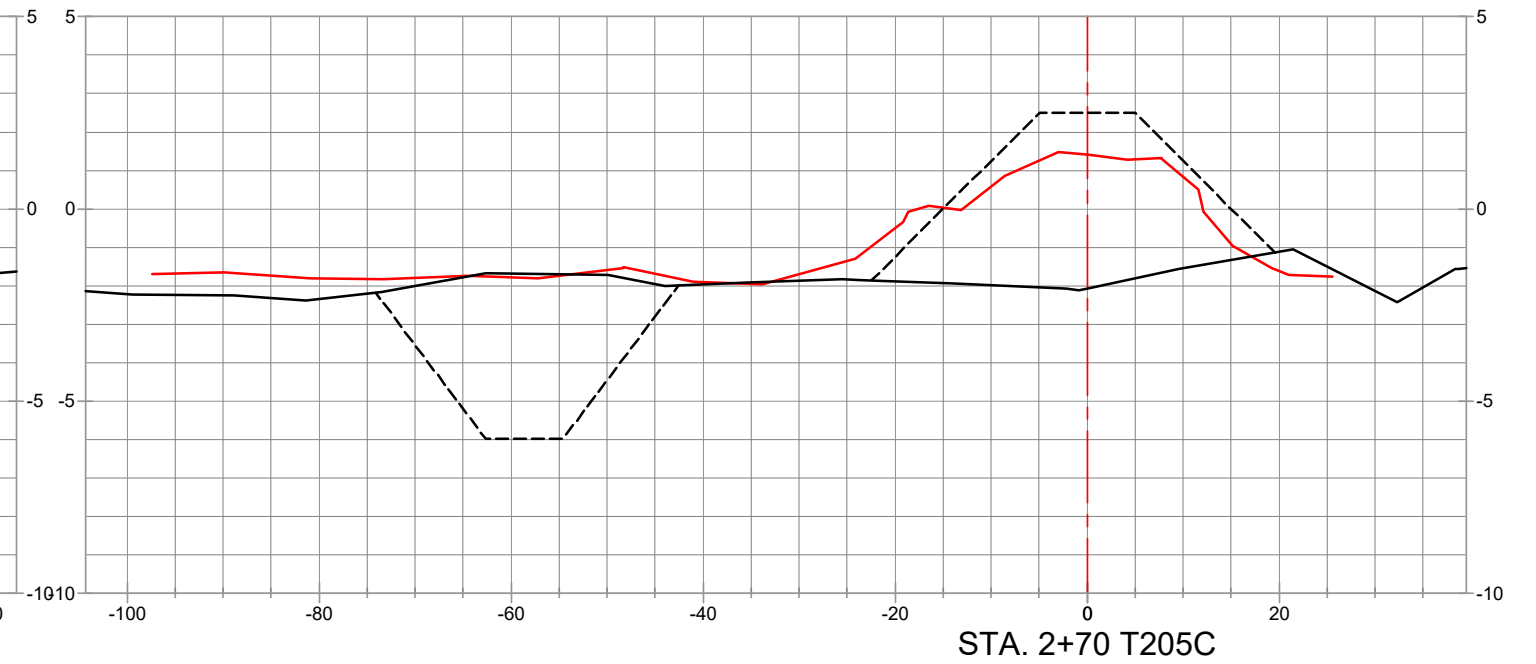
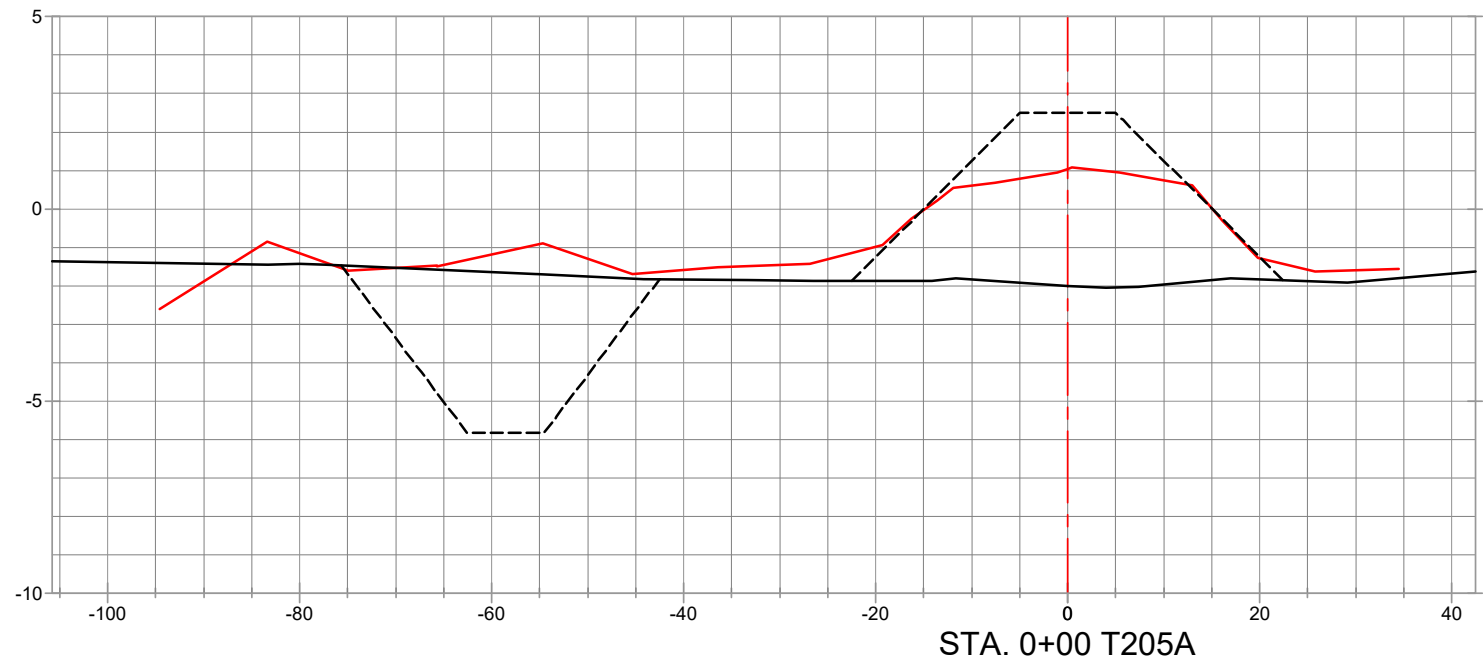


LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (02/24/2021 & 02/25/2021)

REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113

**SITE 2 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T204 SECTIONS  
 GALVESTON COUNTY, TEXAS



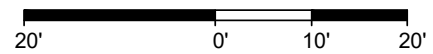
**LEGEND**

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (02/24/2021 & 02/25/2021)

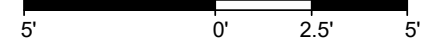
REVISED BY:

DATE:

**HORIZONTAL SCALE**



**VERTICAL SCALE**



**HYDROTERRA**



PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

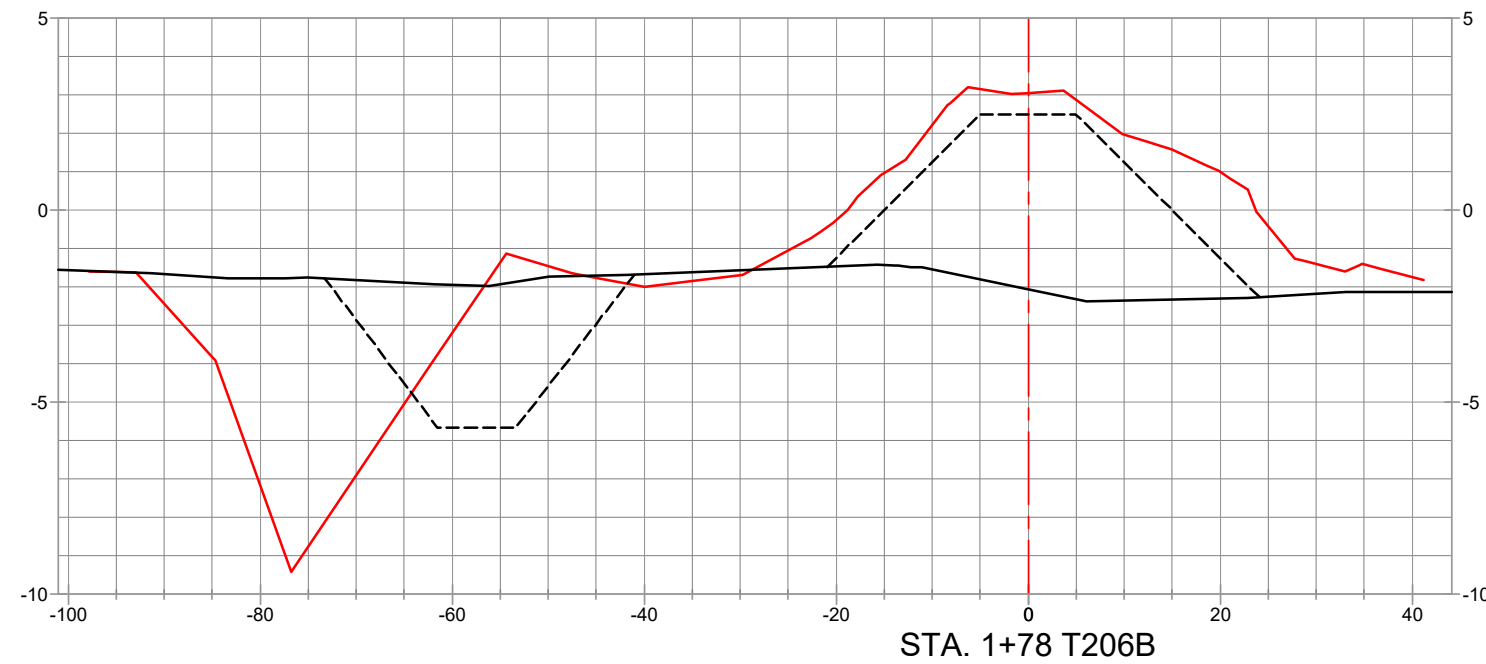
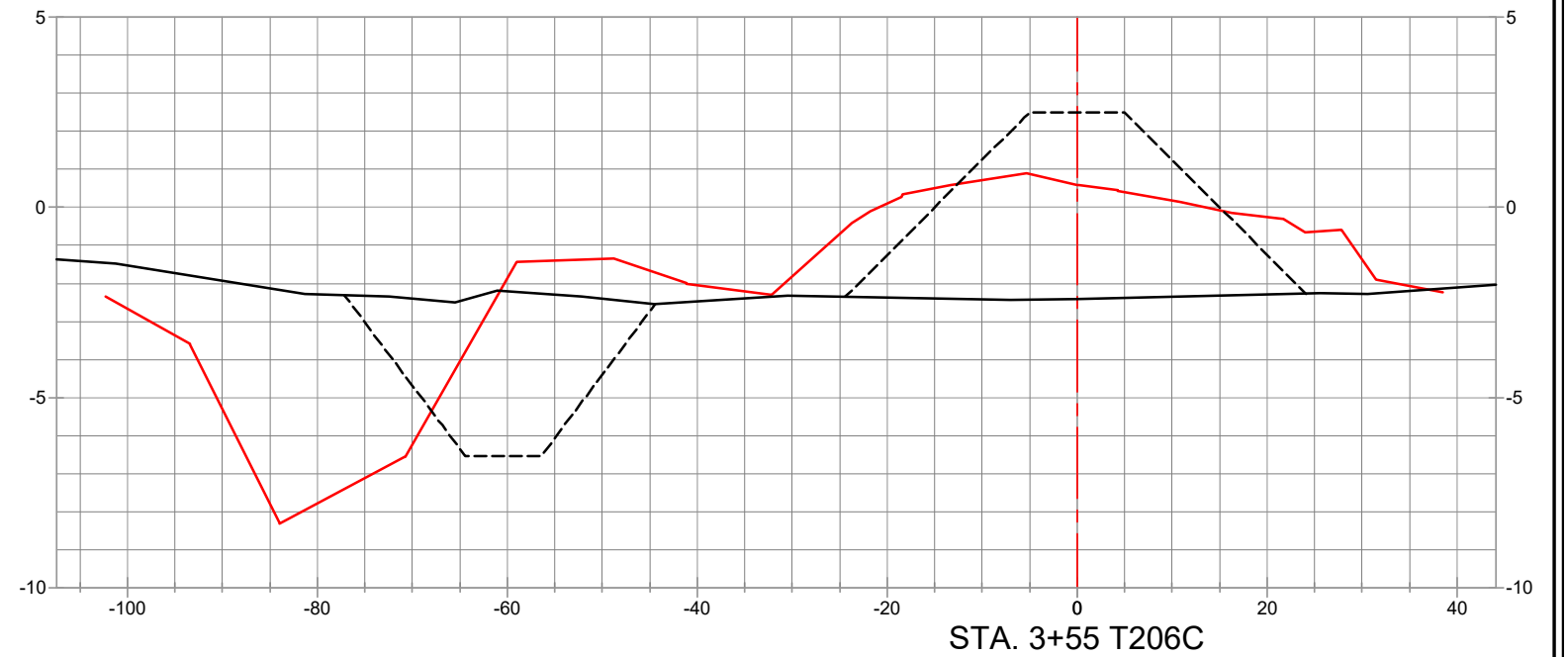
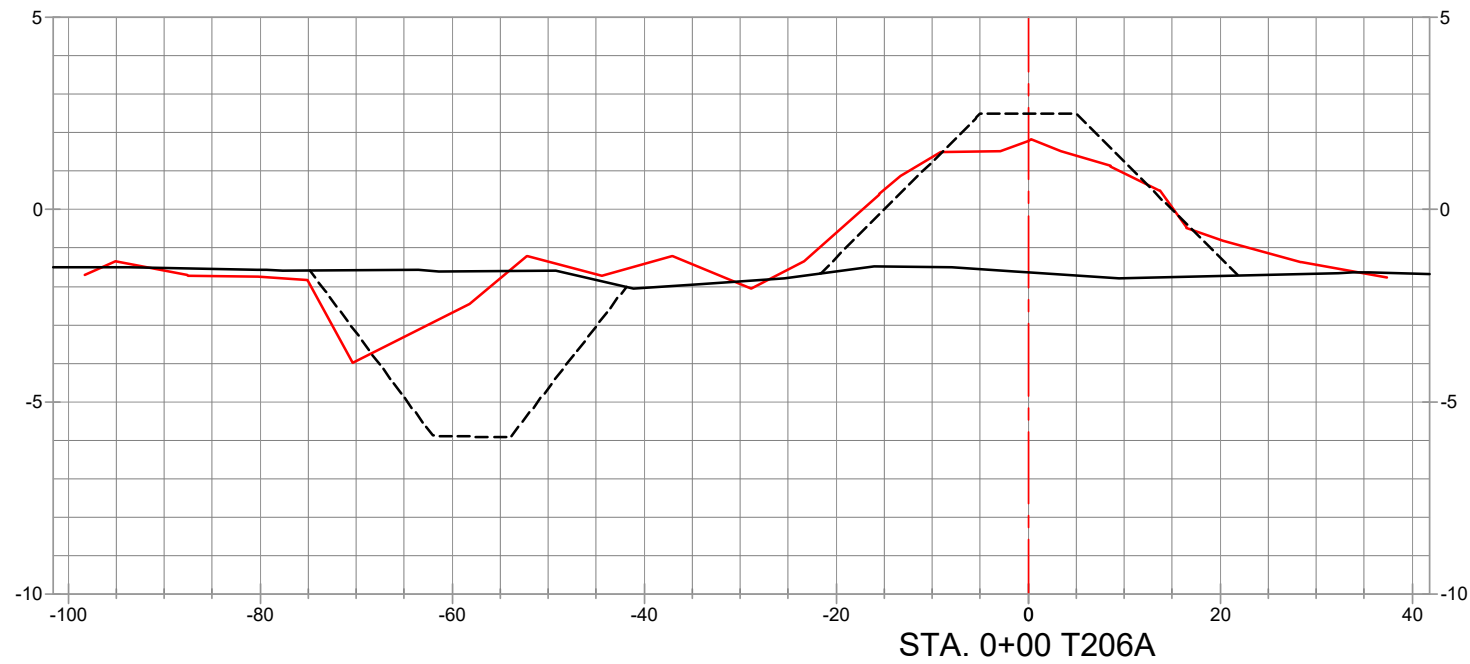
JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET:82 OF 112

**SITE 2 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 T205 SECTIONS  
 GALVESTON COUNTY, TEXAS



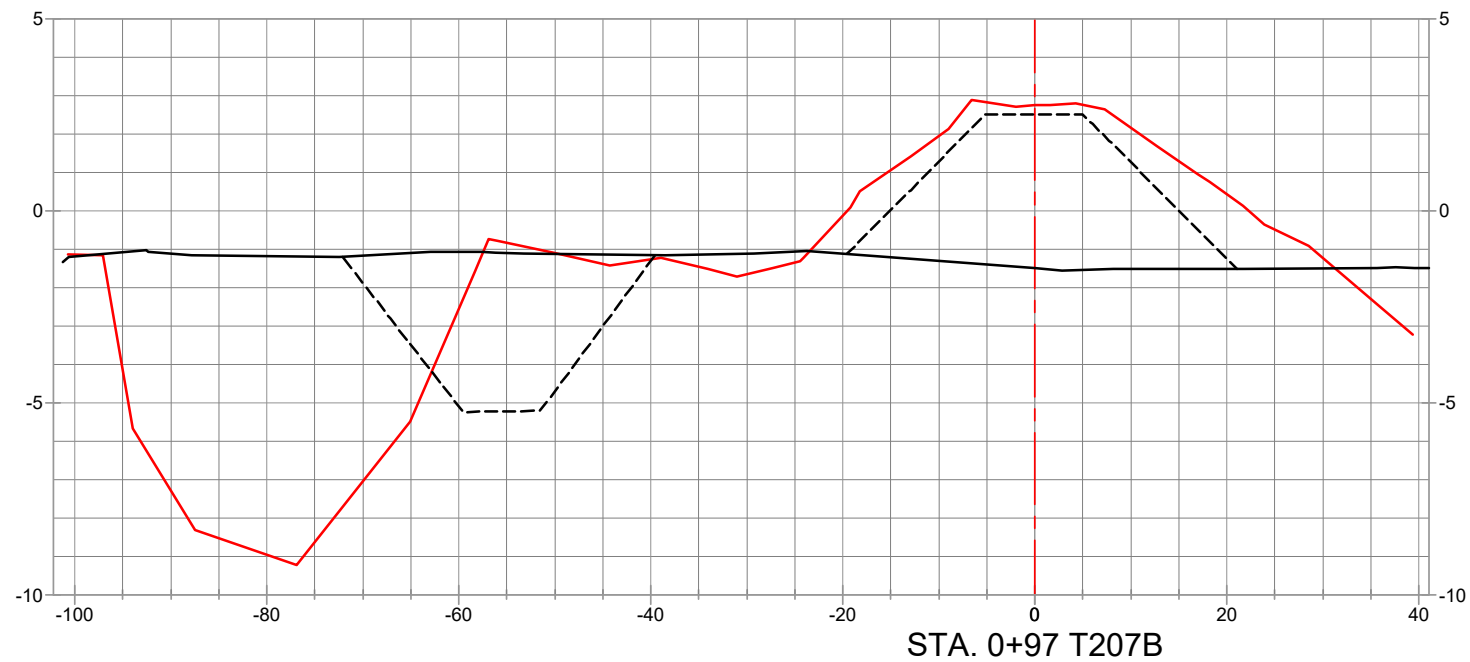
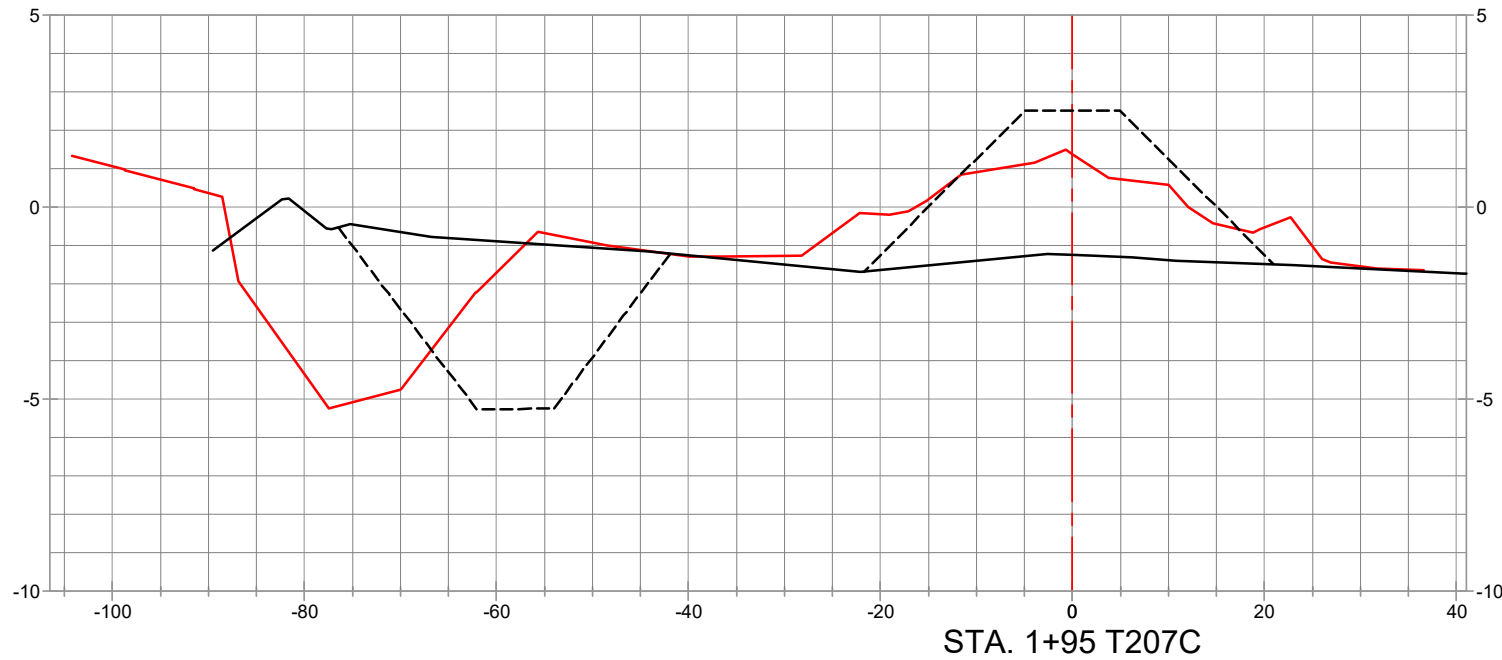
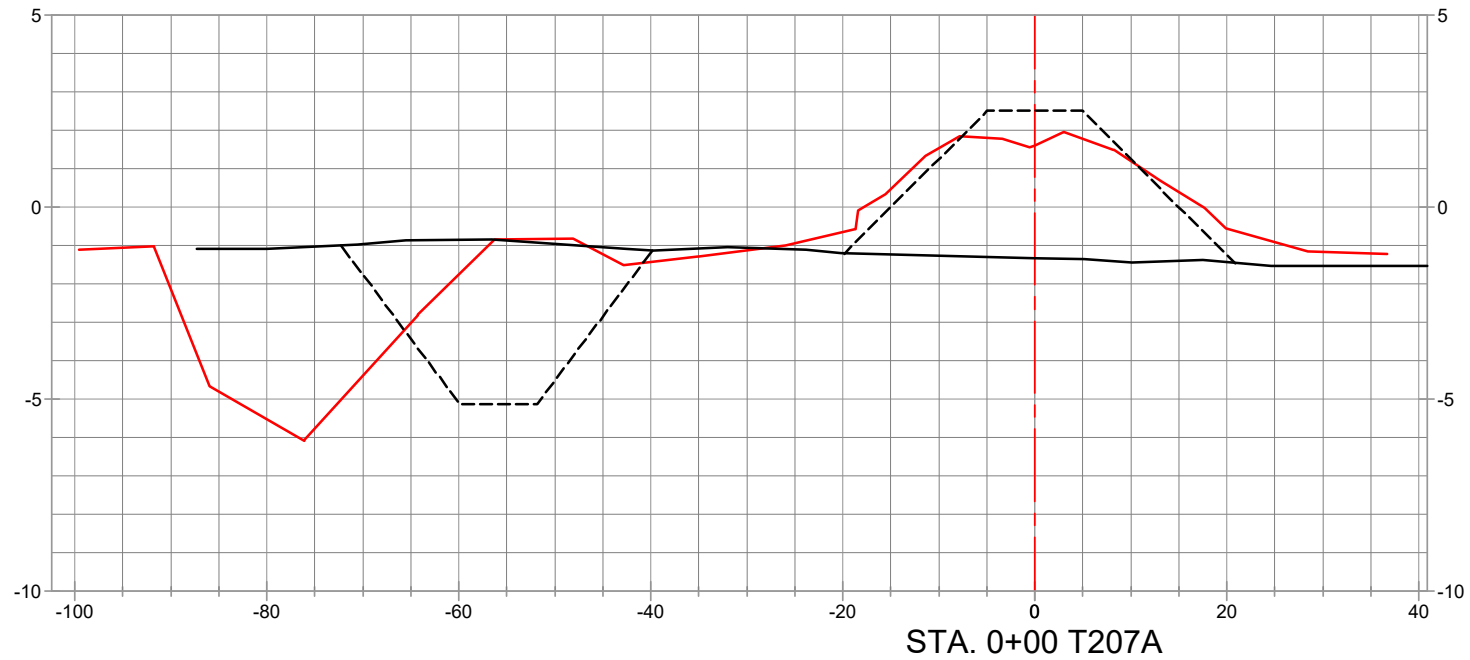
LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (02/24/2021 & 02/25/2021)

REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

**SITE 2 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T206 SECTIONS  
 GALVESTON COUNTY, TEXAS

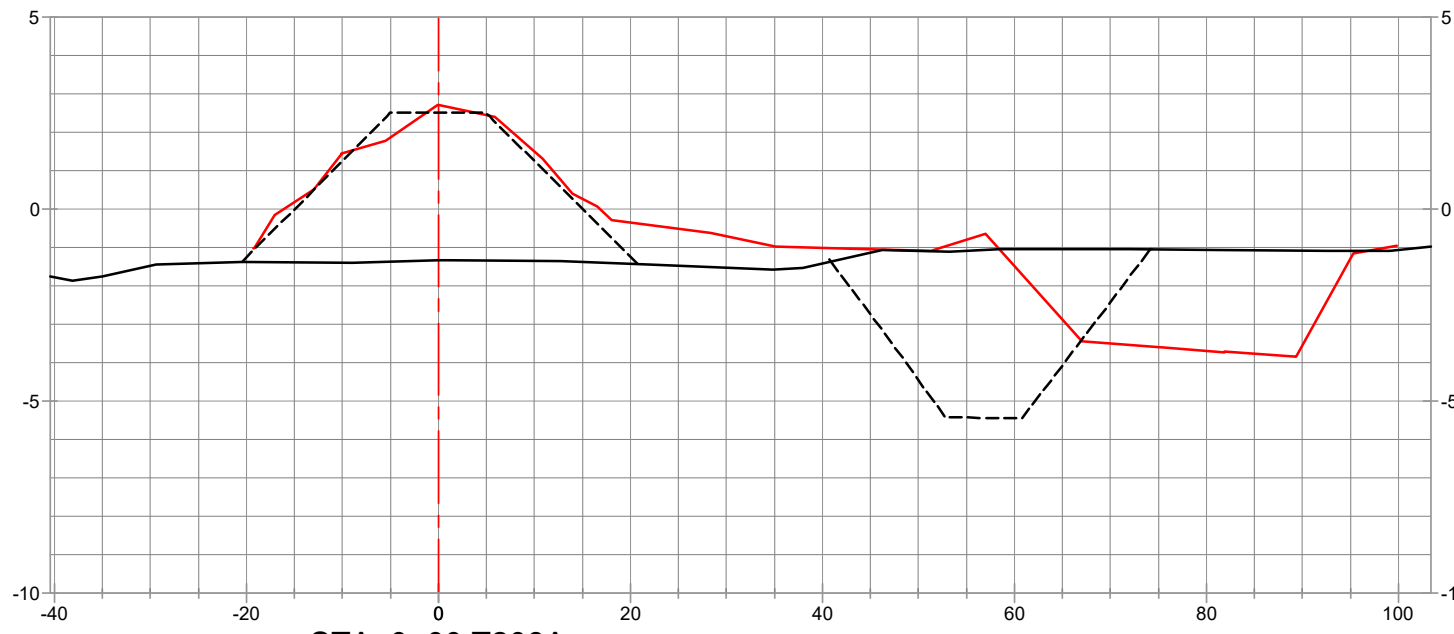


LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (02/24/2021 & 02/25/2021)

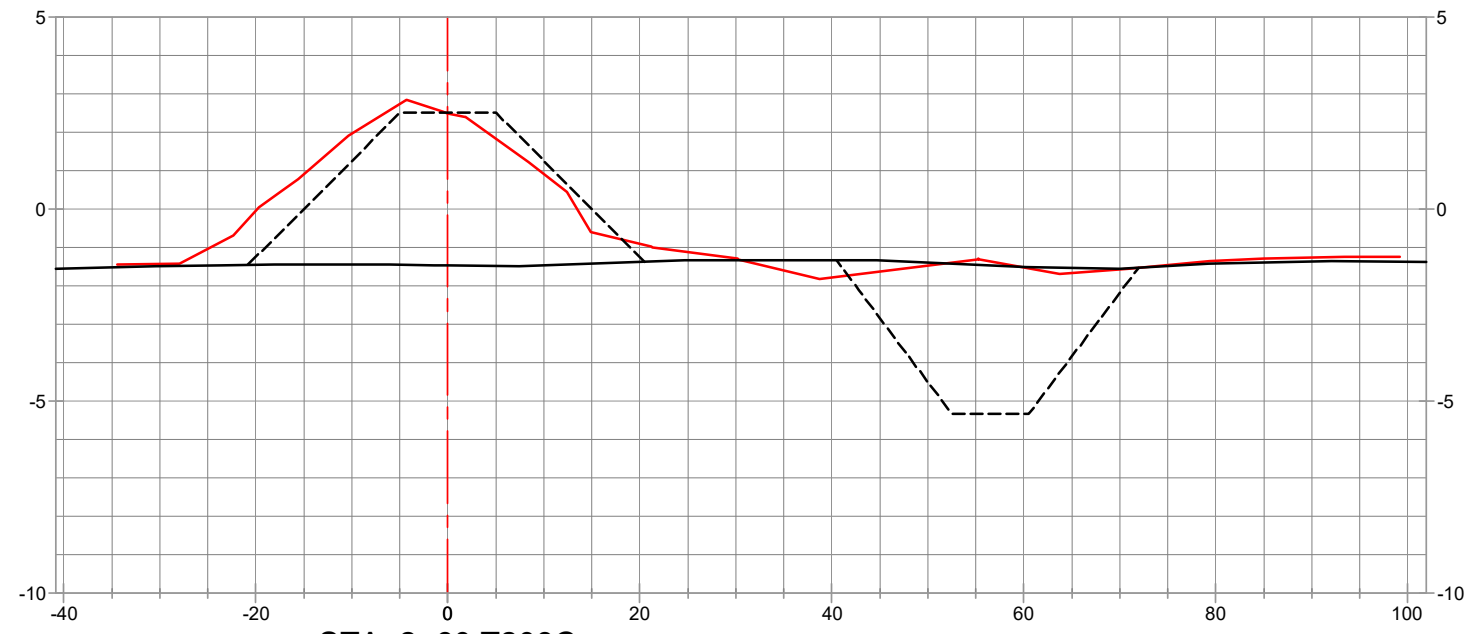
REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113



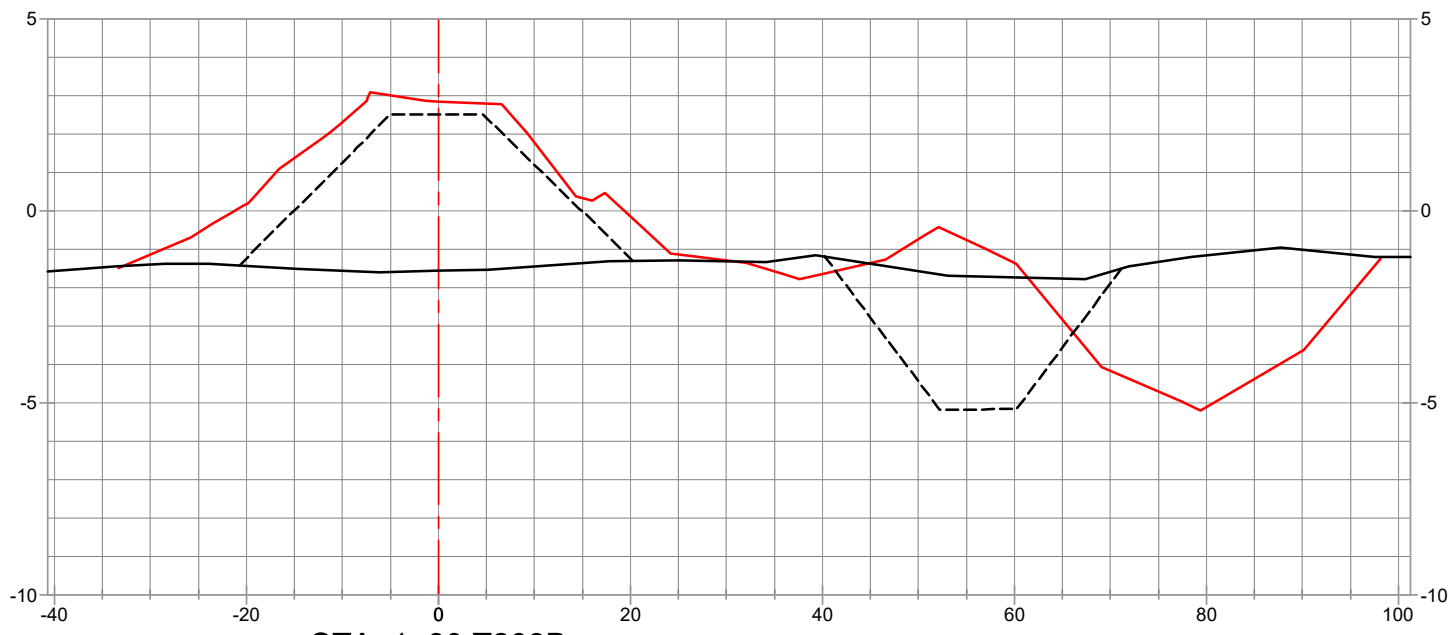
**SITE 2 - TERRACES**  
 CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 T207 SECTIONS  
 GALVESTON COUNTY, TEXAS



STA. 0+00 T208A



STA. 2+60 T208C



STA. 1+30 T208B



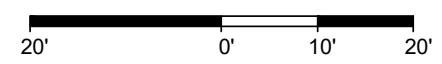
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (02/24/2021 & 02/25/2021)

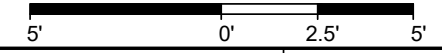
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 2 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T208 SECTIONS  
 GALVESTON COUNTY, TEXAS

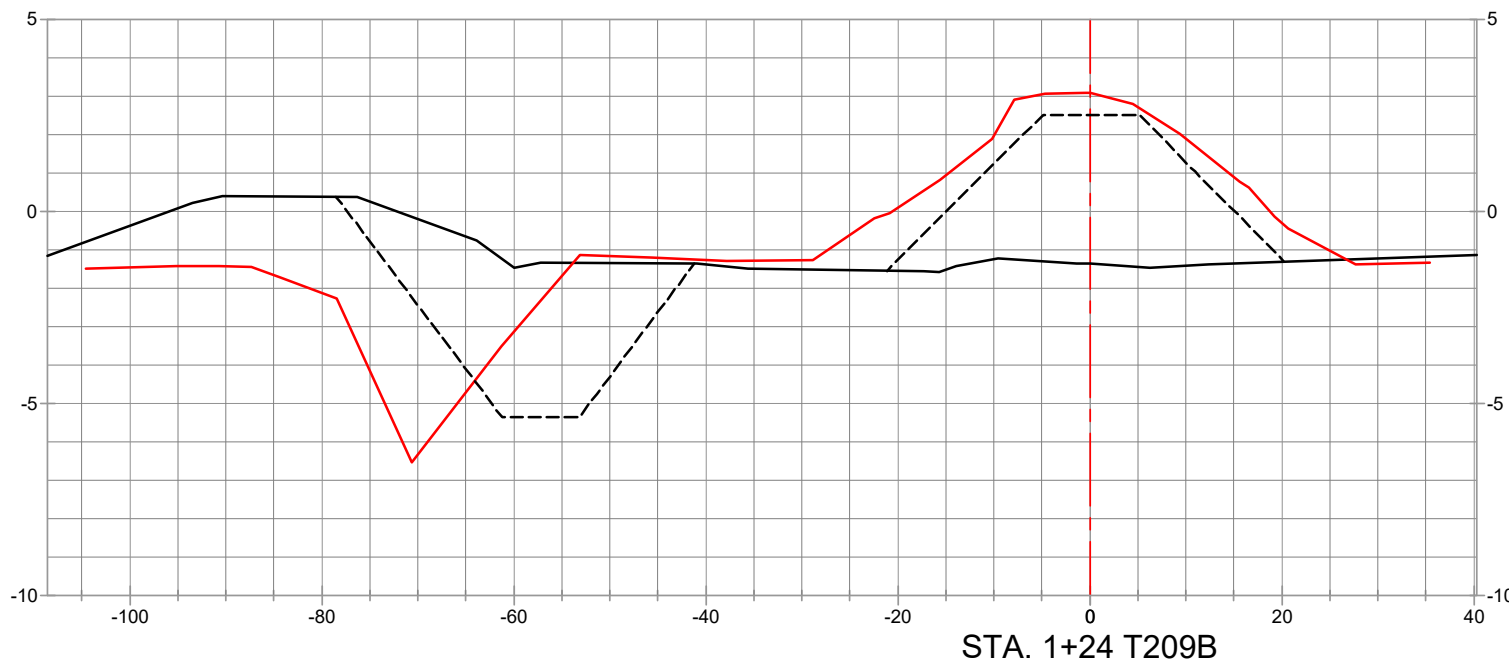
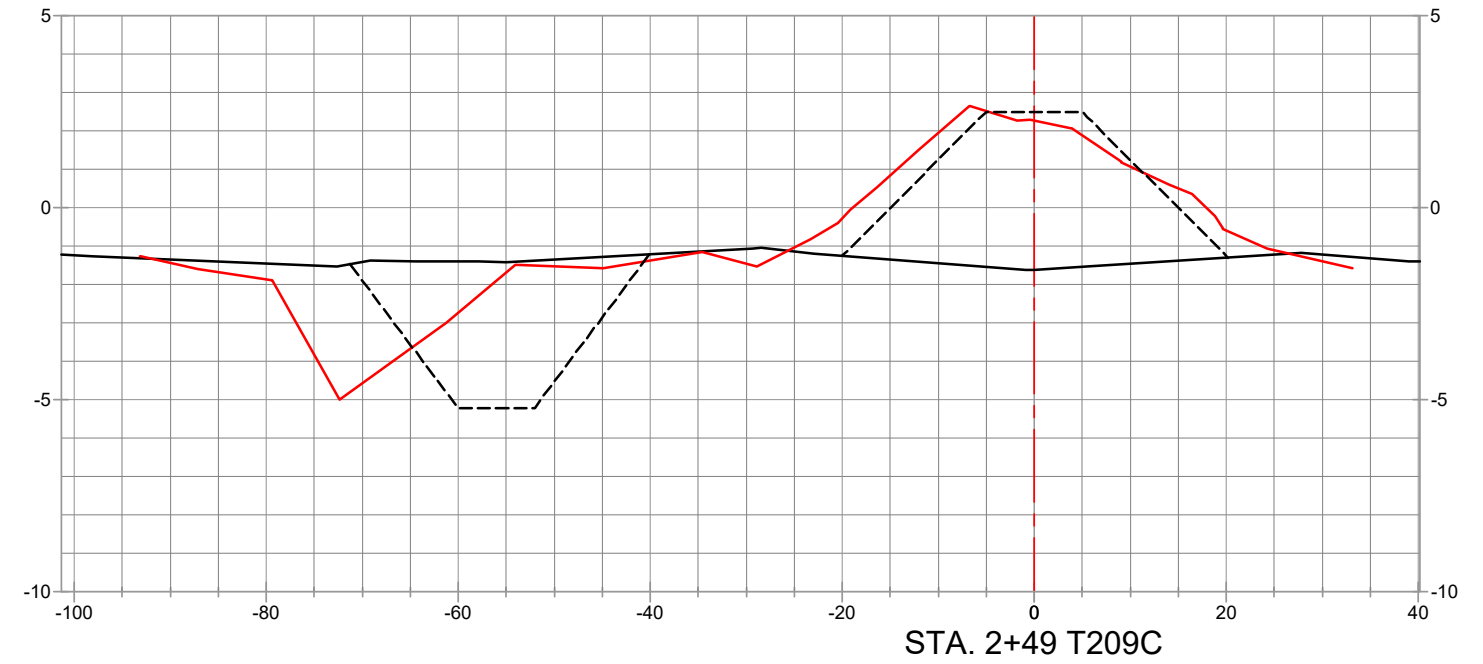
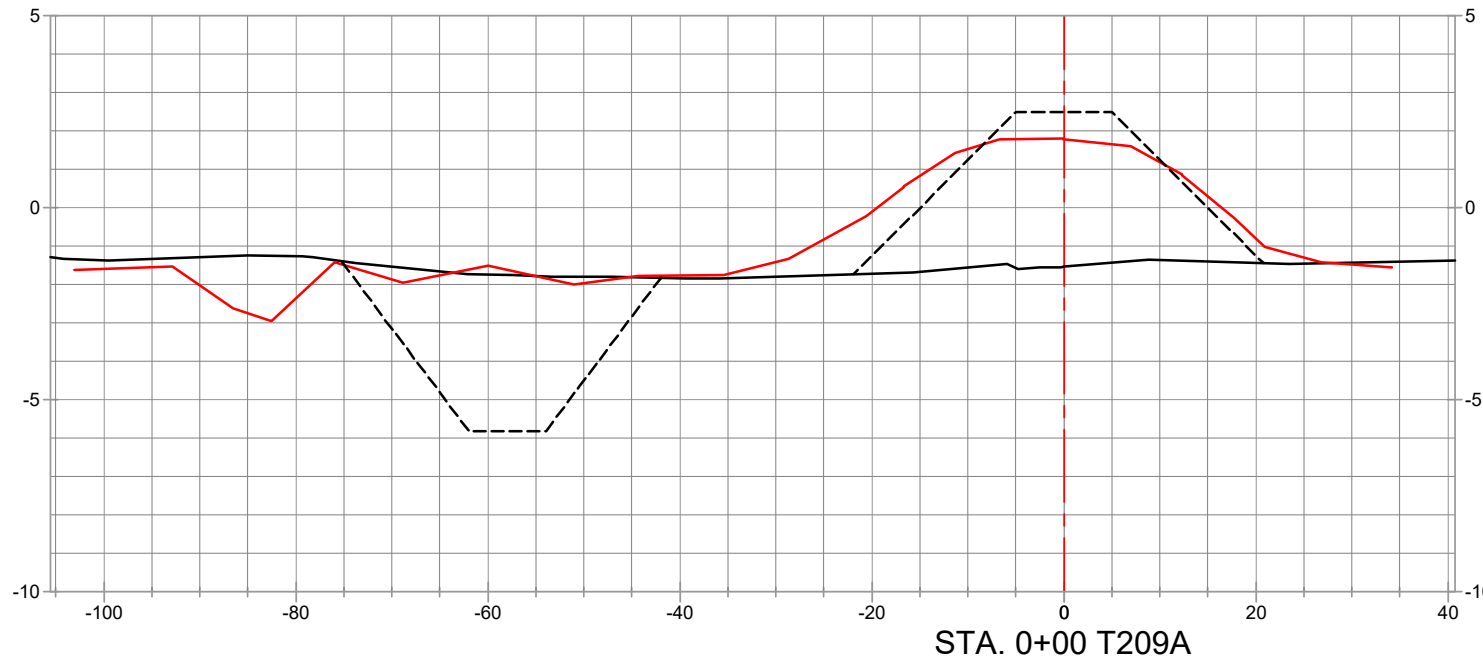
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET:85 OF 112



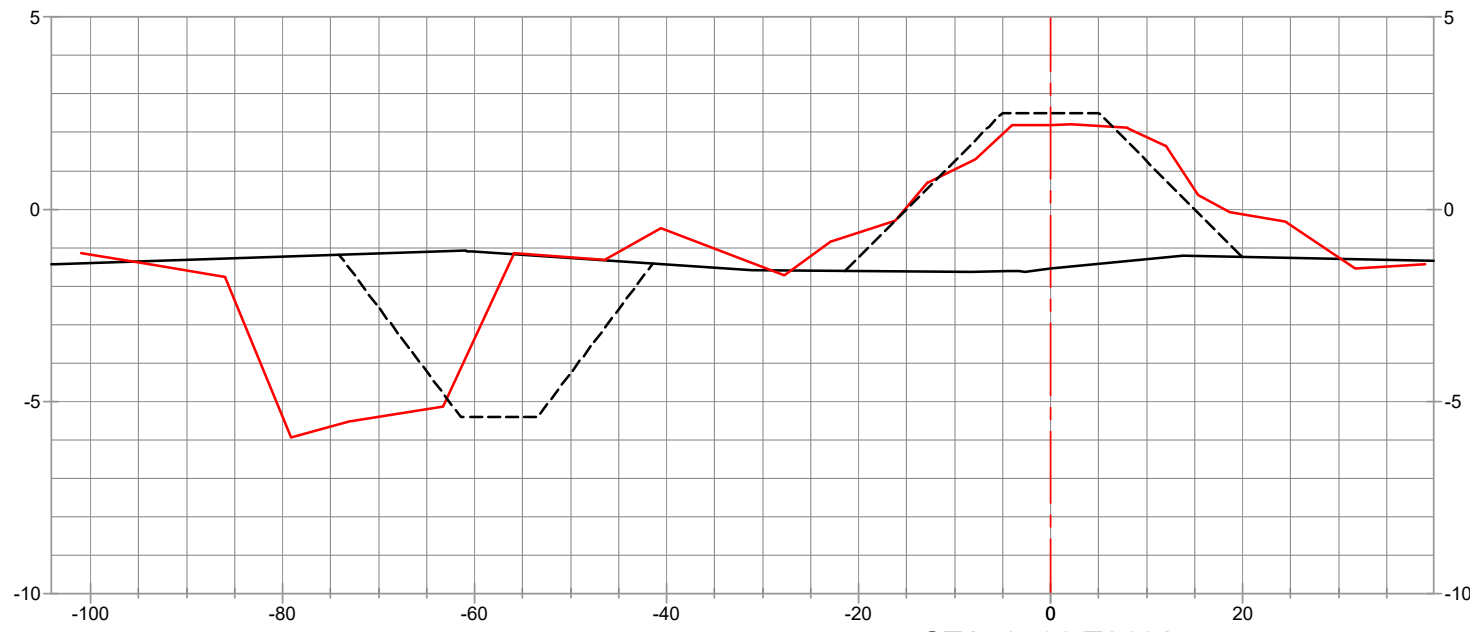
LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY (02/24/2021 & 02/25/2021)

REVISED BY:	DATE:
HORIZONTAL SCALE	
VERTICAL SCALE	
DATE: 06/09/2021	JOB# 2201113

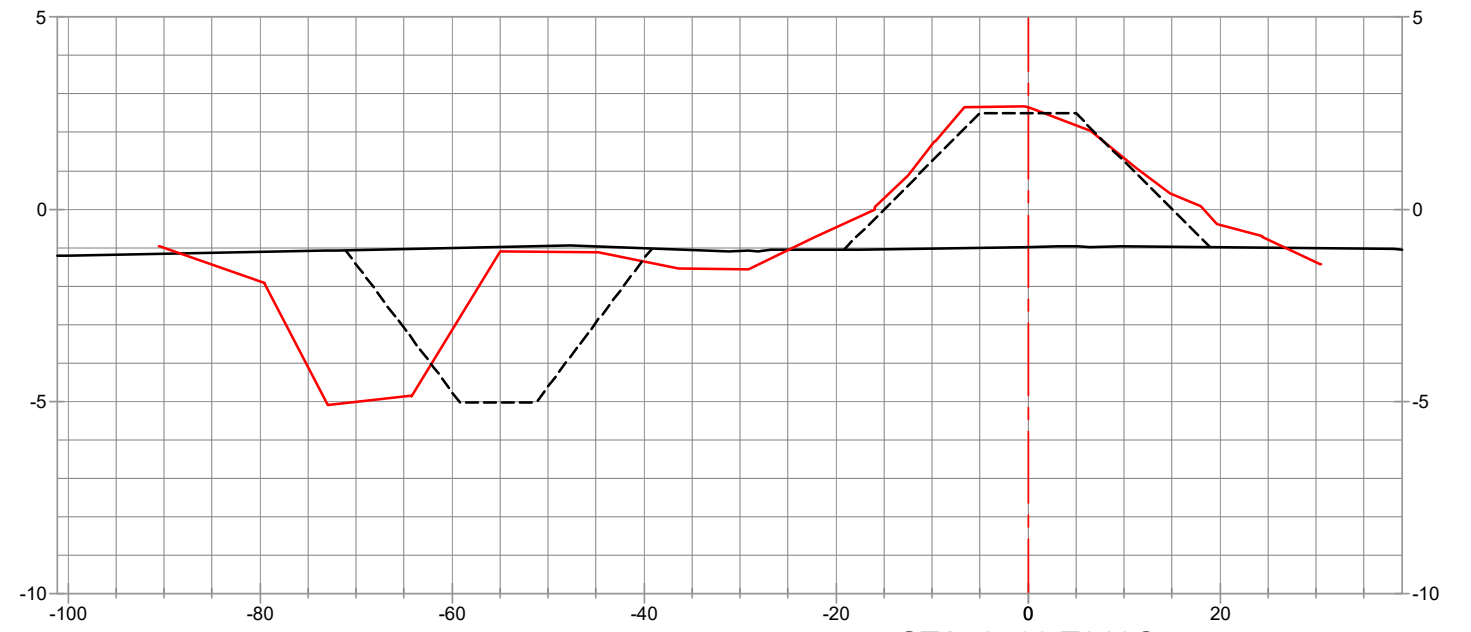
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

**SITE 2 - TERRACES**

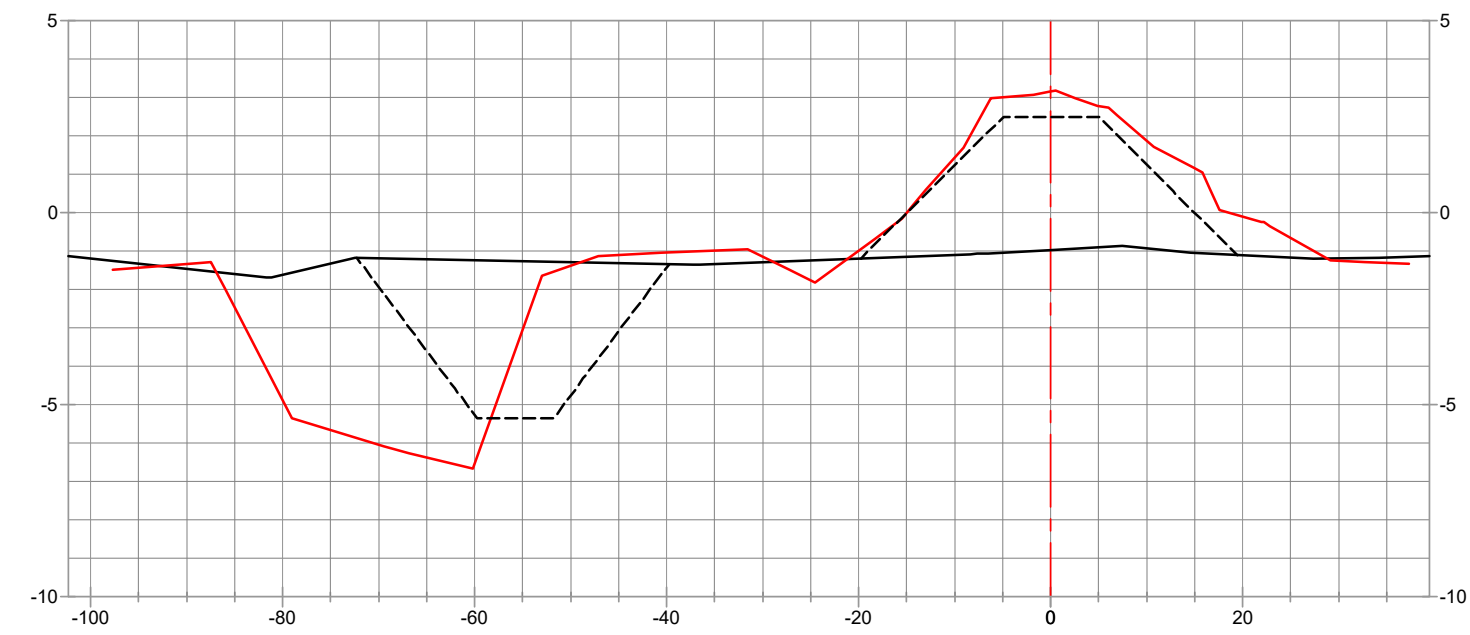
CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T209 SECTIONS  
 GALVESTON COUNTY, TEXAS



STA. 0+00 T210A



STA. 2+09 T210C



STA. 1+05 T210B



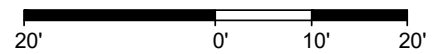
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (02/24/2021 & 02/25/2021)

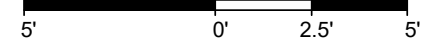
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 2 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T210 SECTIONS  
 GALVESTON COUNTY, TEXAS

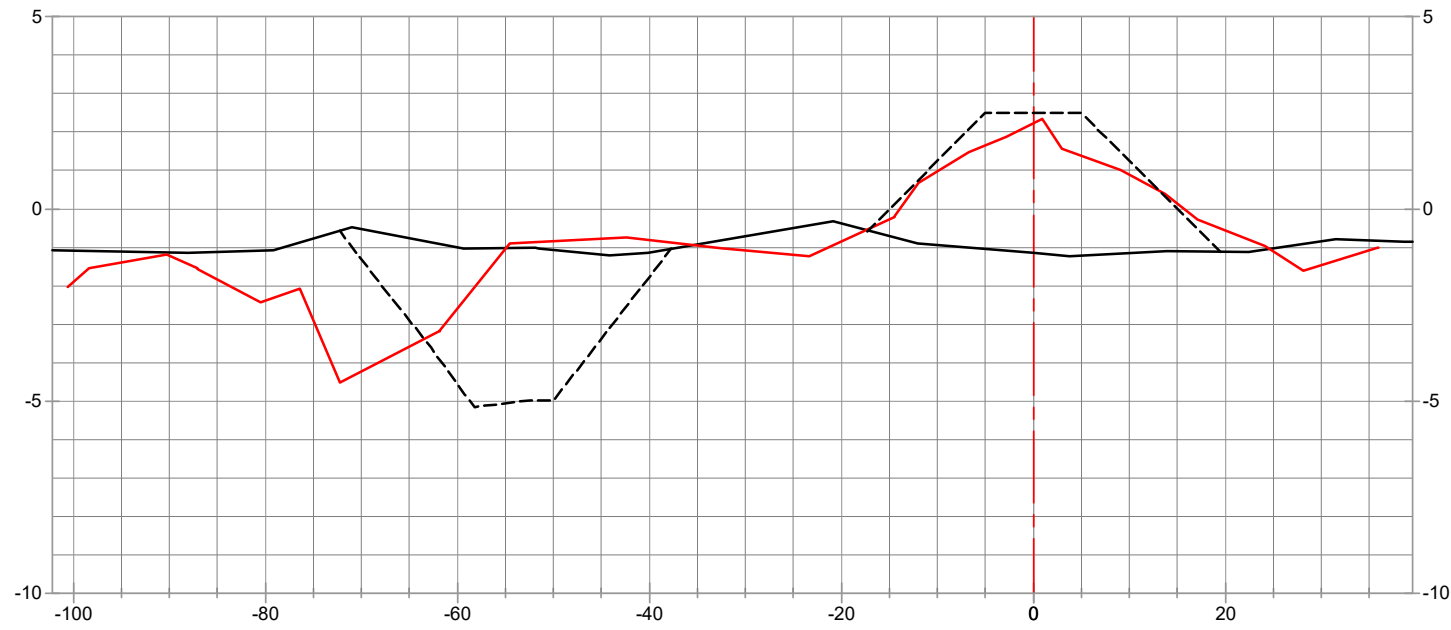
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

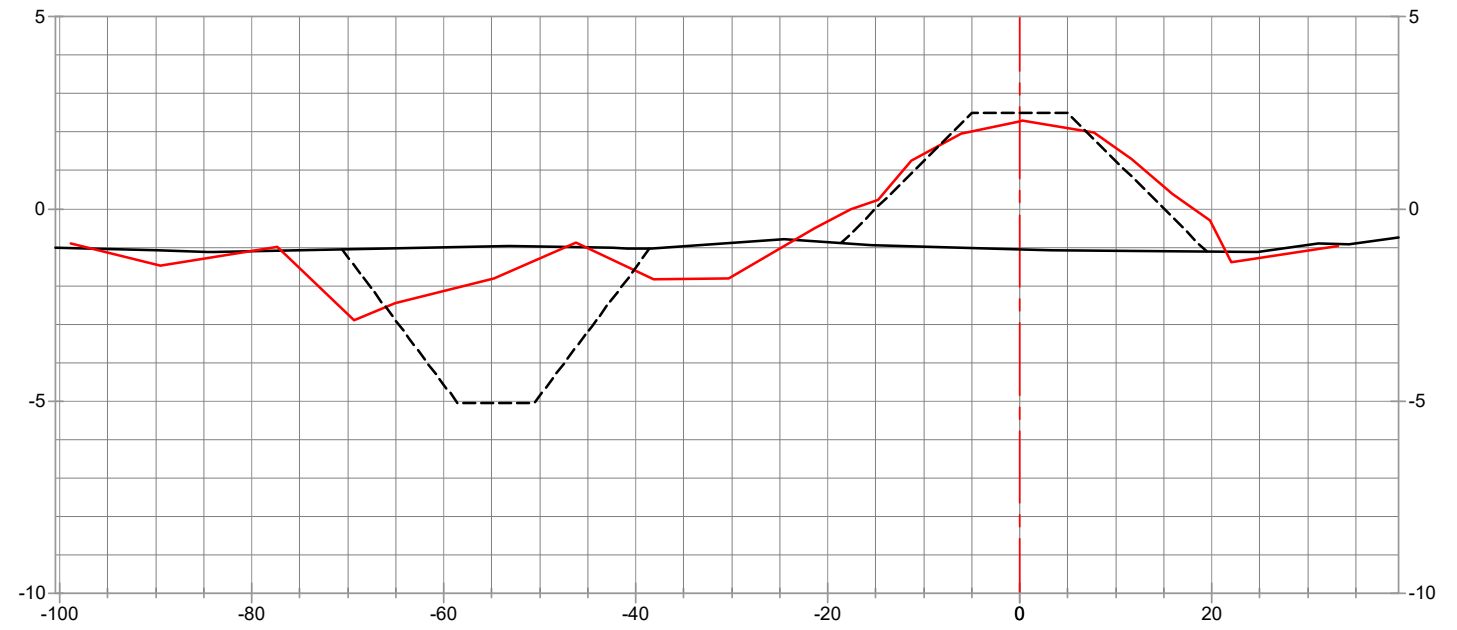
JOB# 2201113

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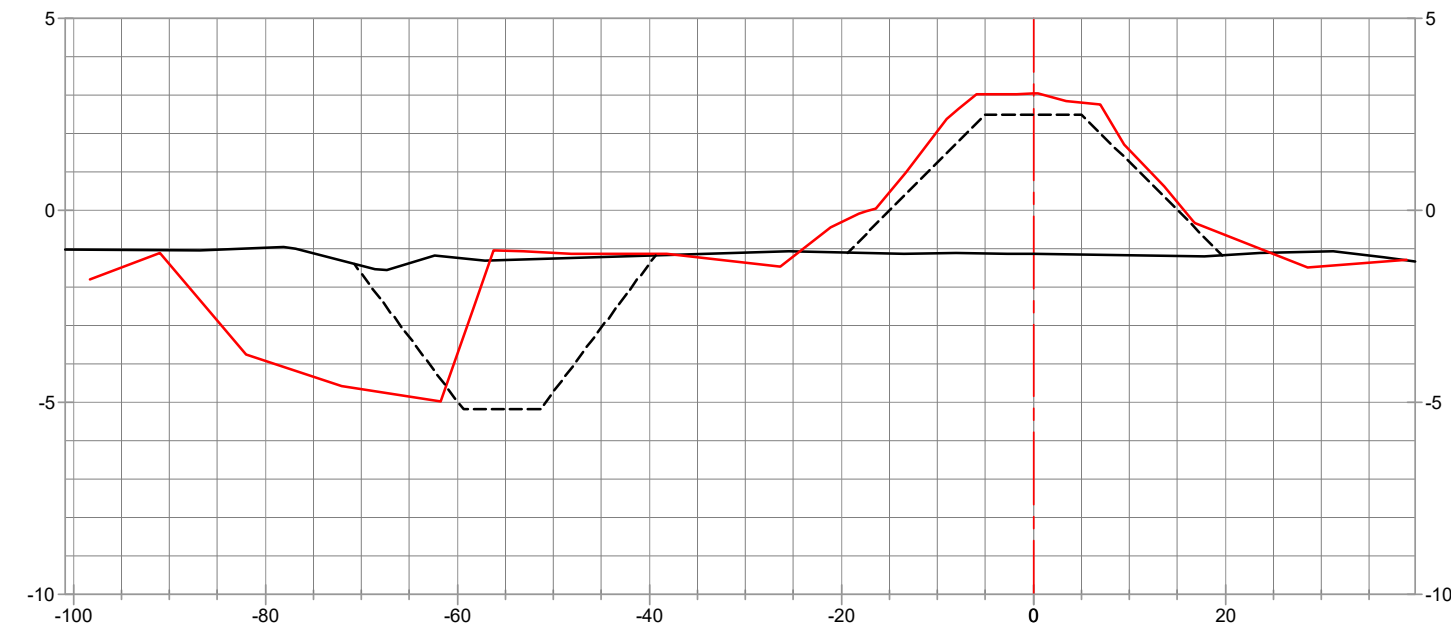
SHEET:87 OF 112



STA. 0+00 T211A



STA. 2+00 T211C



STA. 1+00 T211B



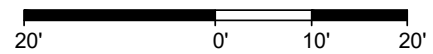
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (02/24/2021 & 02/25/2021)

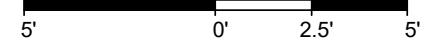
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 2 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T211 SECTIONS  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

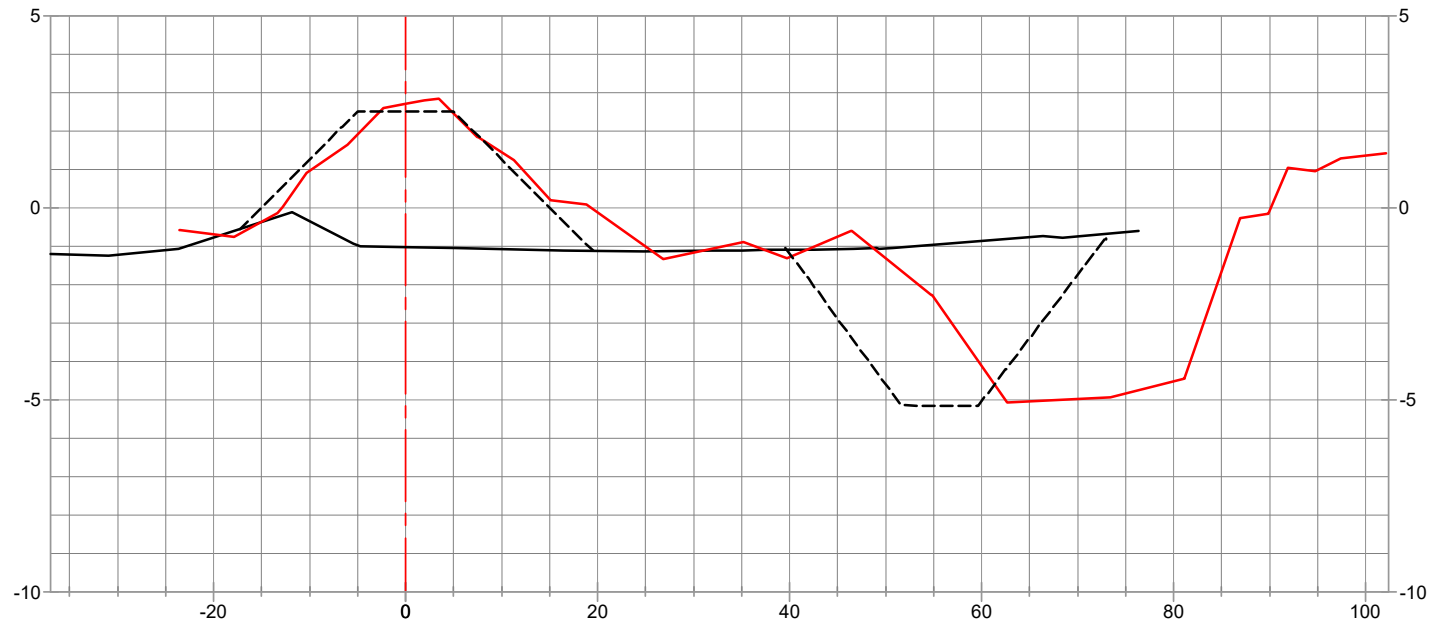
DATE: 06/09/2021

JOB# 2201113

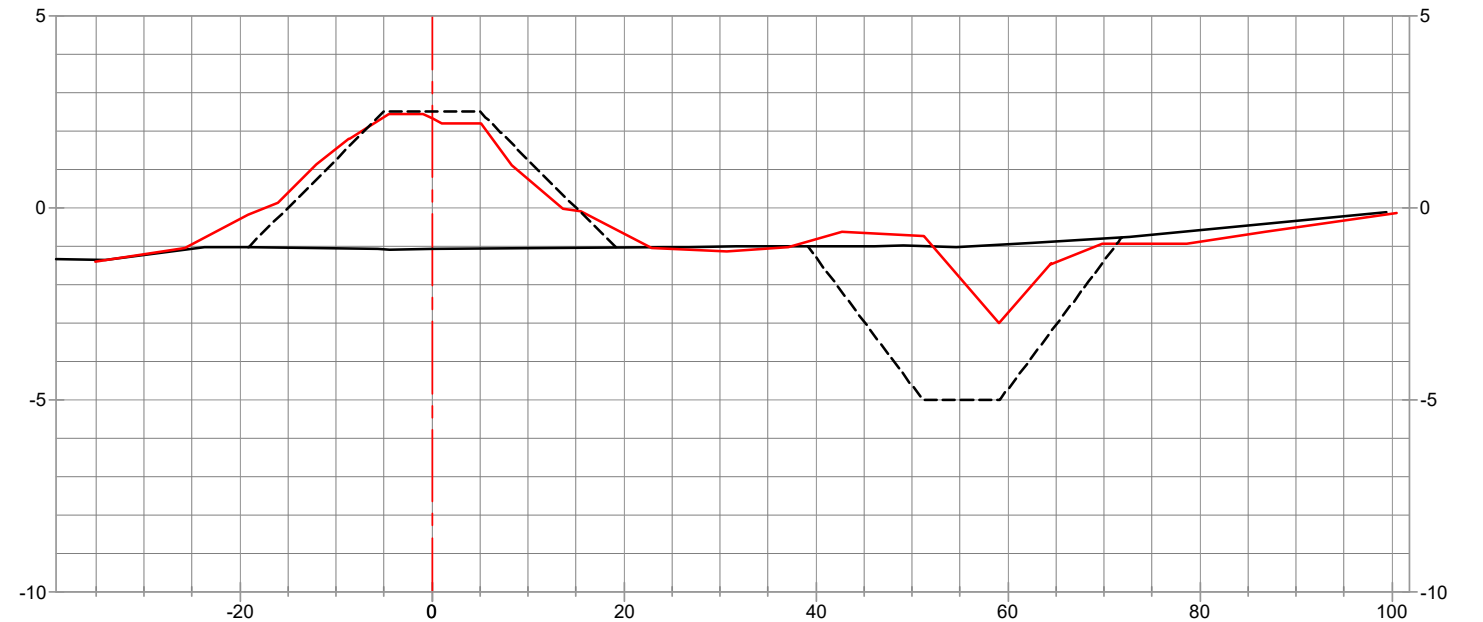
FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET:88 OF 112

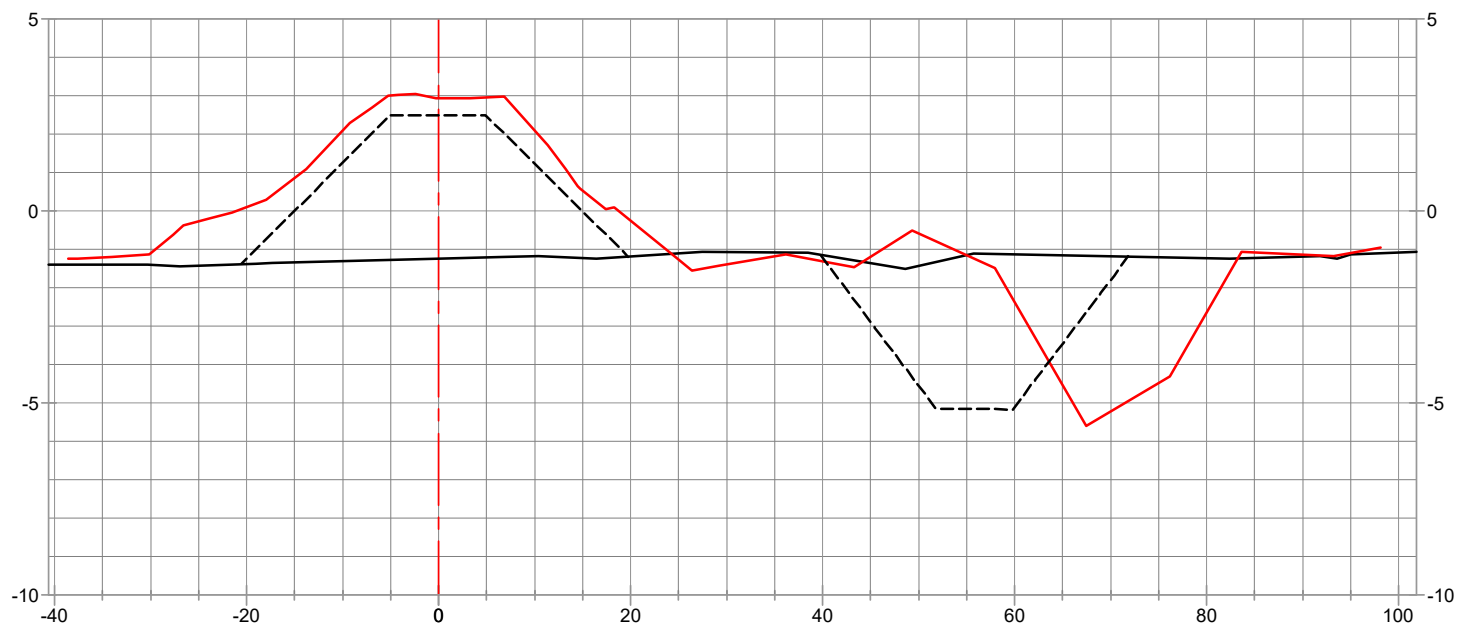




STA. 0+00 T212A



STA. 3+85 T212C



STA. 1+93 T212B



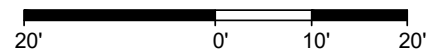
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY (02/24/2021 & 02/25/2021)

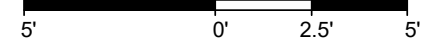
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 2 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 T212 SECTIONS  
 GALVESTON COUNTY, TEXAS

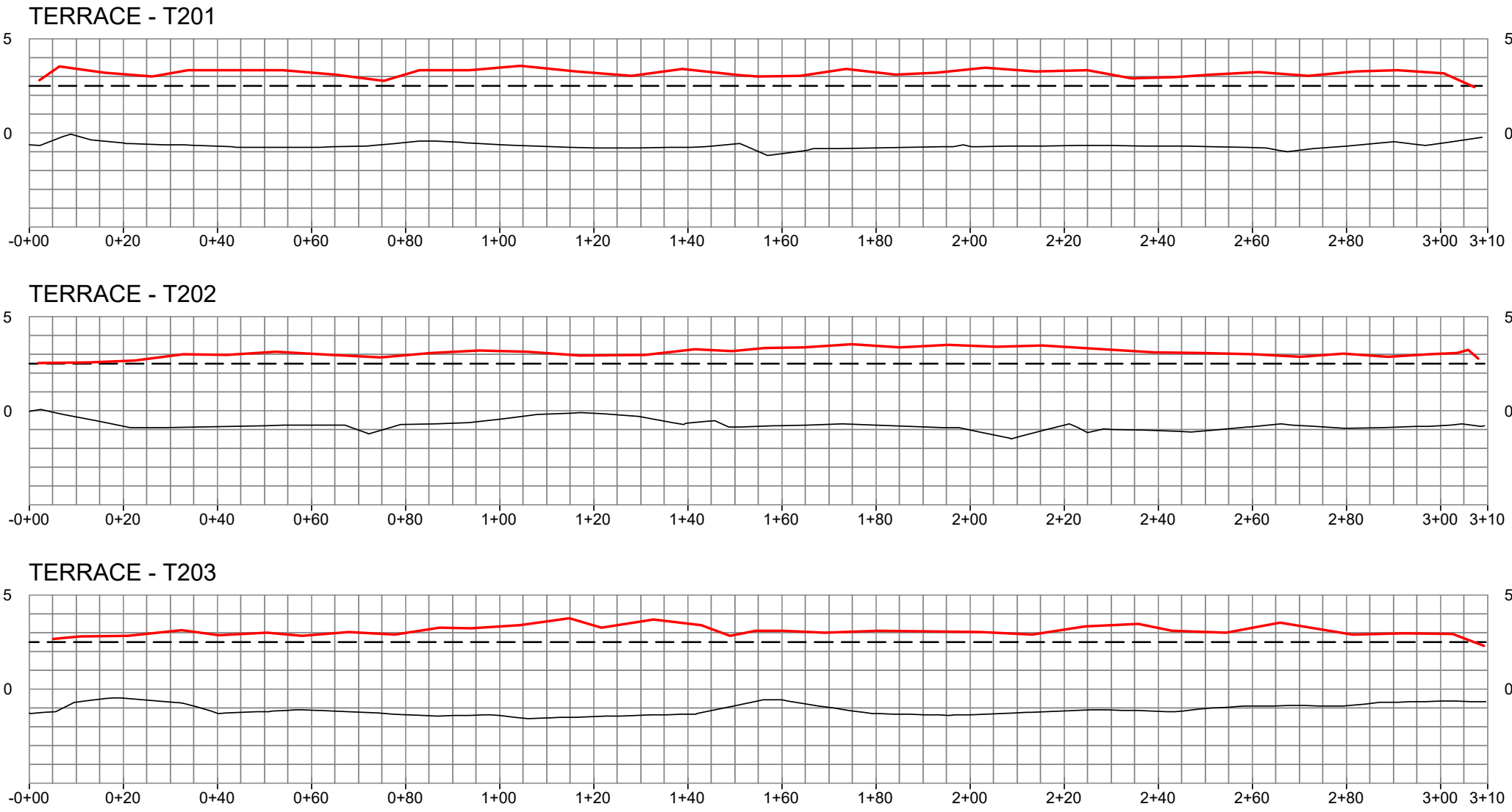
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

JOB# 2201113

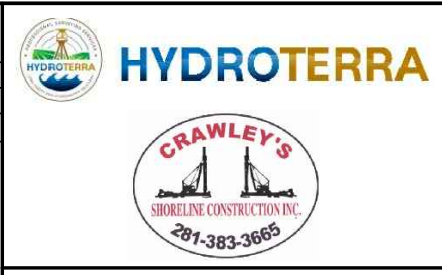
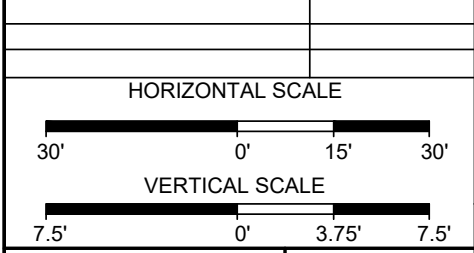
FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET:89 OF 112



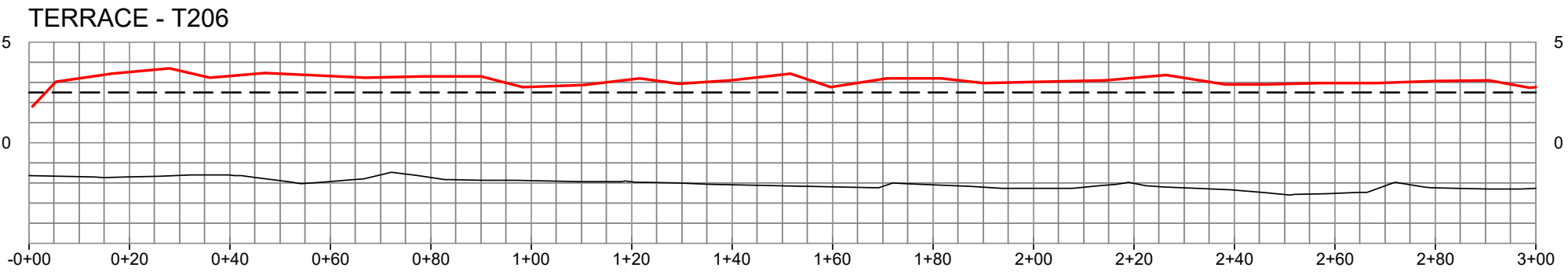
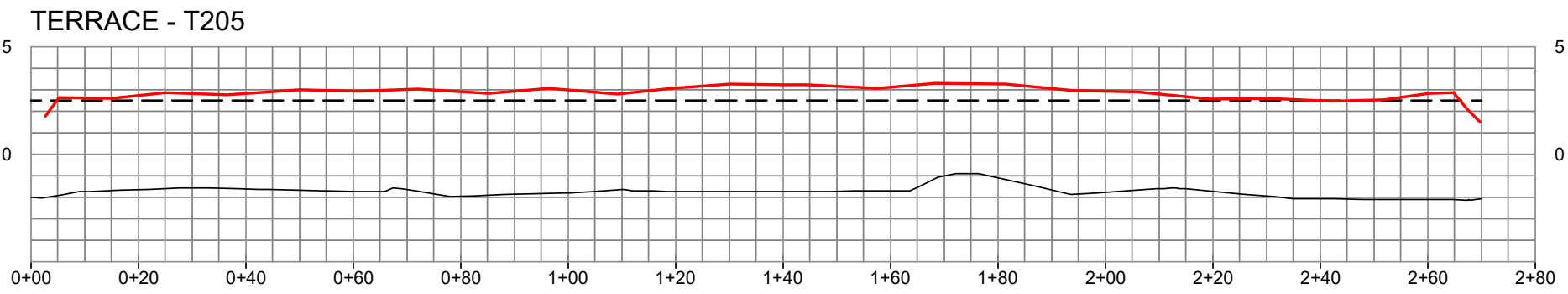
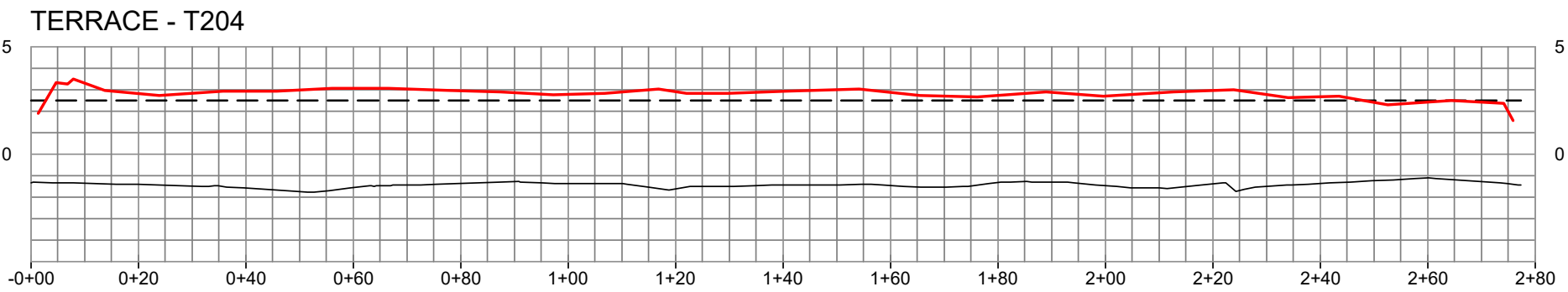
LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY

REVISED BY:	DATE:



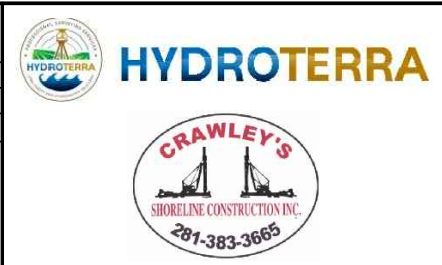
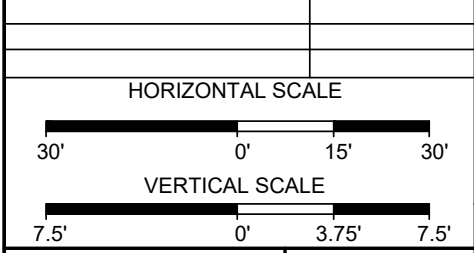
**SITE 2 - TERRACES**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 PROFILE VIEWS  
 GALVESTON COUNTY, TEXAS



LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY

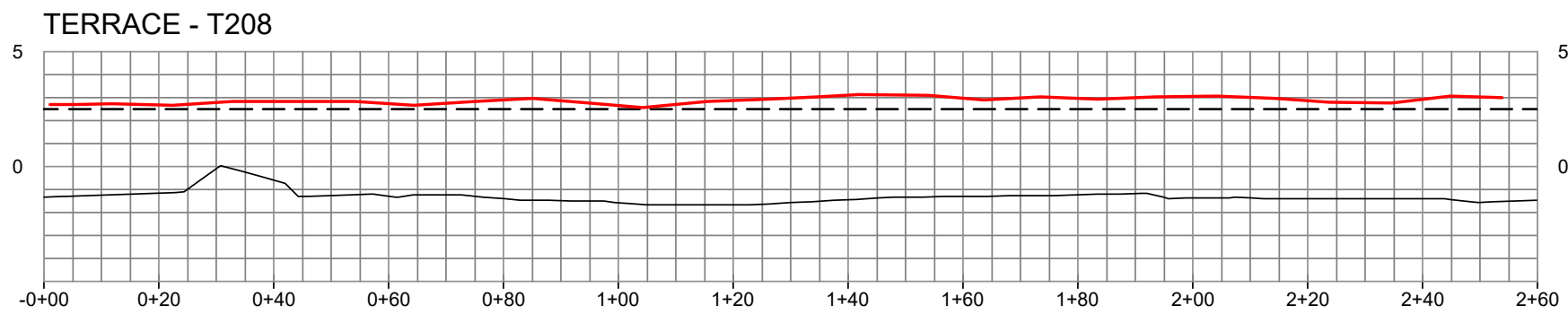
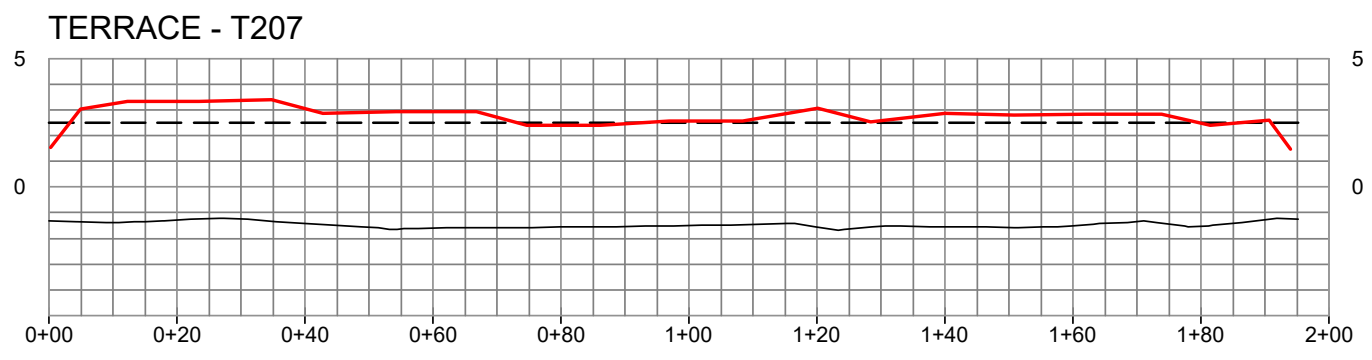
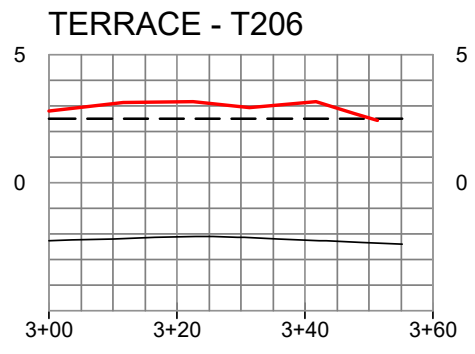
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**SITE 2 - TERRACES**

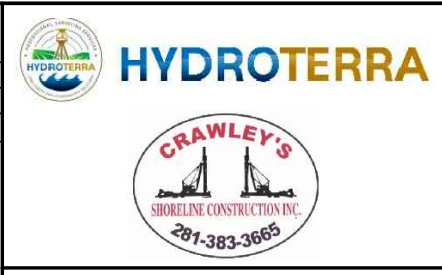
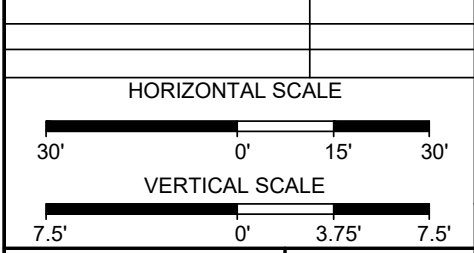
CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 PROFILE VIEWS  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583



LEGEND	
	PRE-CONSTRUCTION SURVEY (01/29/2021)
	TEMPLATE
	POST CONSTRUCTION SURVEY

REVISED BY:	DATE:

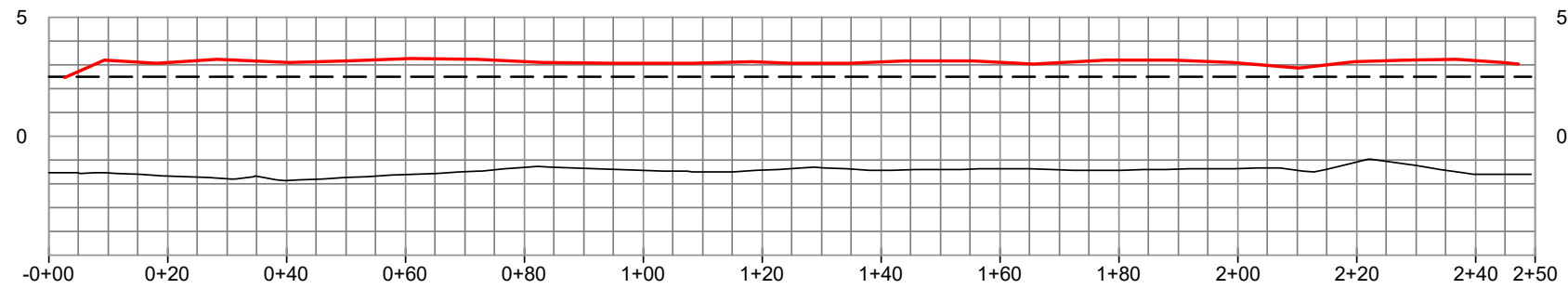


**SITE 2 - TERRACES**

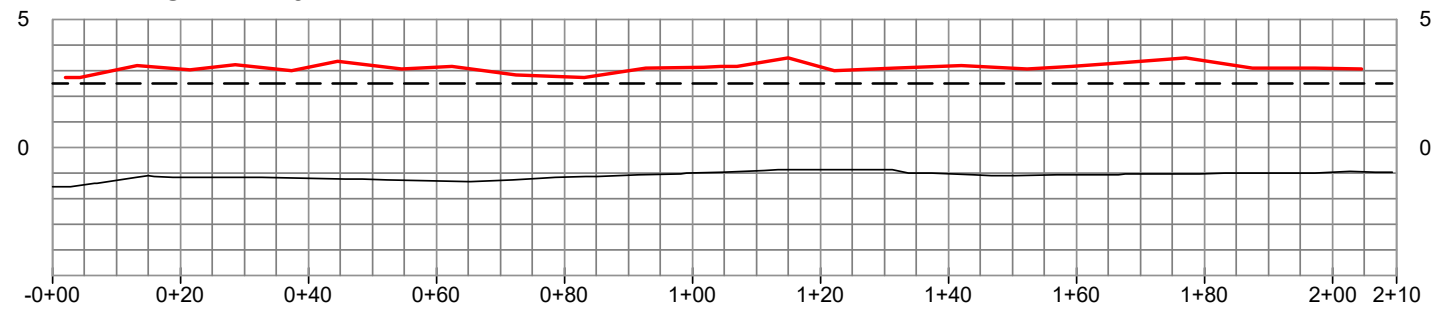
CRAWLEY'S SHORELINE CONSTRUCTION INC.  
**COMPILED AS-BUILTS**  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
 PROFILE VIEWS  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

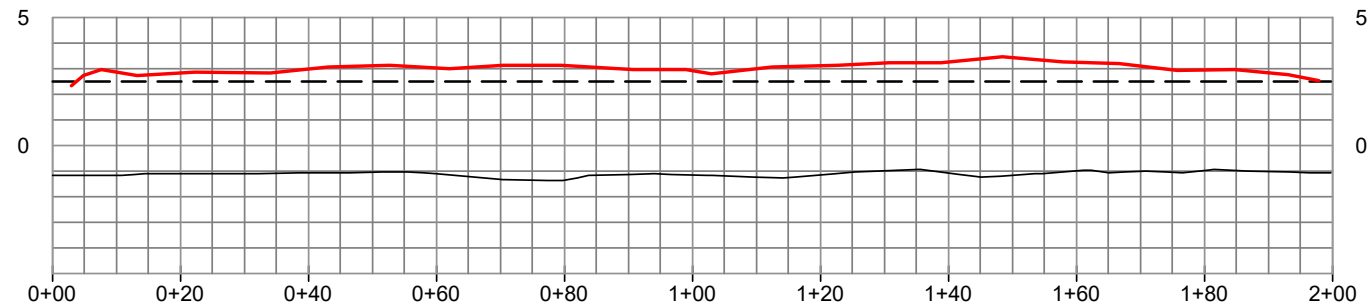
TERRACE - T209



TERRACE - T210



TERRACE - T211



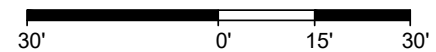
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY

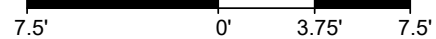
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



DATE: 06/09/2021

JOB# 2201113



**HYDROTERRA**



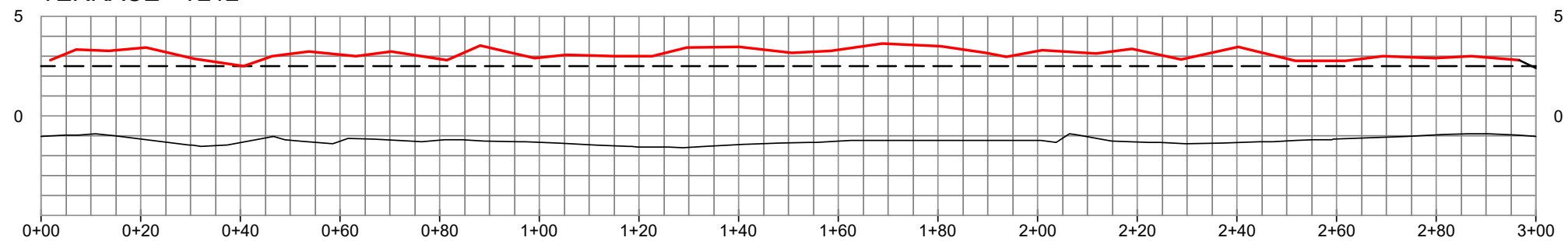
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

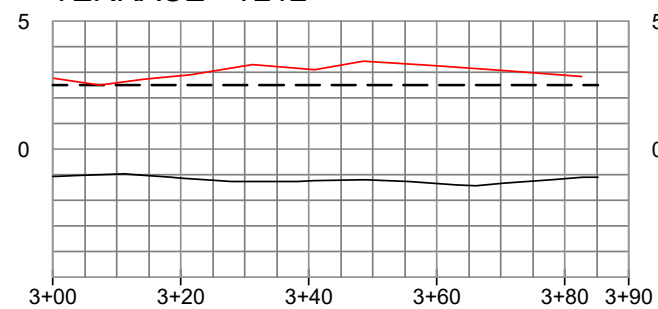
**SITE 2 - TERRACES**

**CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 PROFILE VIEWS  
 GALVESTON COUNTY, TEXAS**

TERRACE - T212



TERRACE - T212



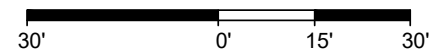
LEGEND

- PRE-CONSTRUCTION SURVEY (01/29/2021)
- TEMPLATE
- POST CONSTRUCTION SURVEY

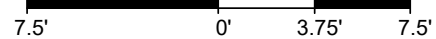
REVISED BY:

DATE:

HORIZONTAL SCALE



VERTICAL SCALE



**HYDROTERRA**



**SITE 2 - TERRACES**

**CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 PROFILE VIEWS  
 GALVESTON COUNTY, TEXAS**

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

JOB# 2201113

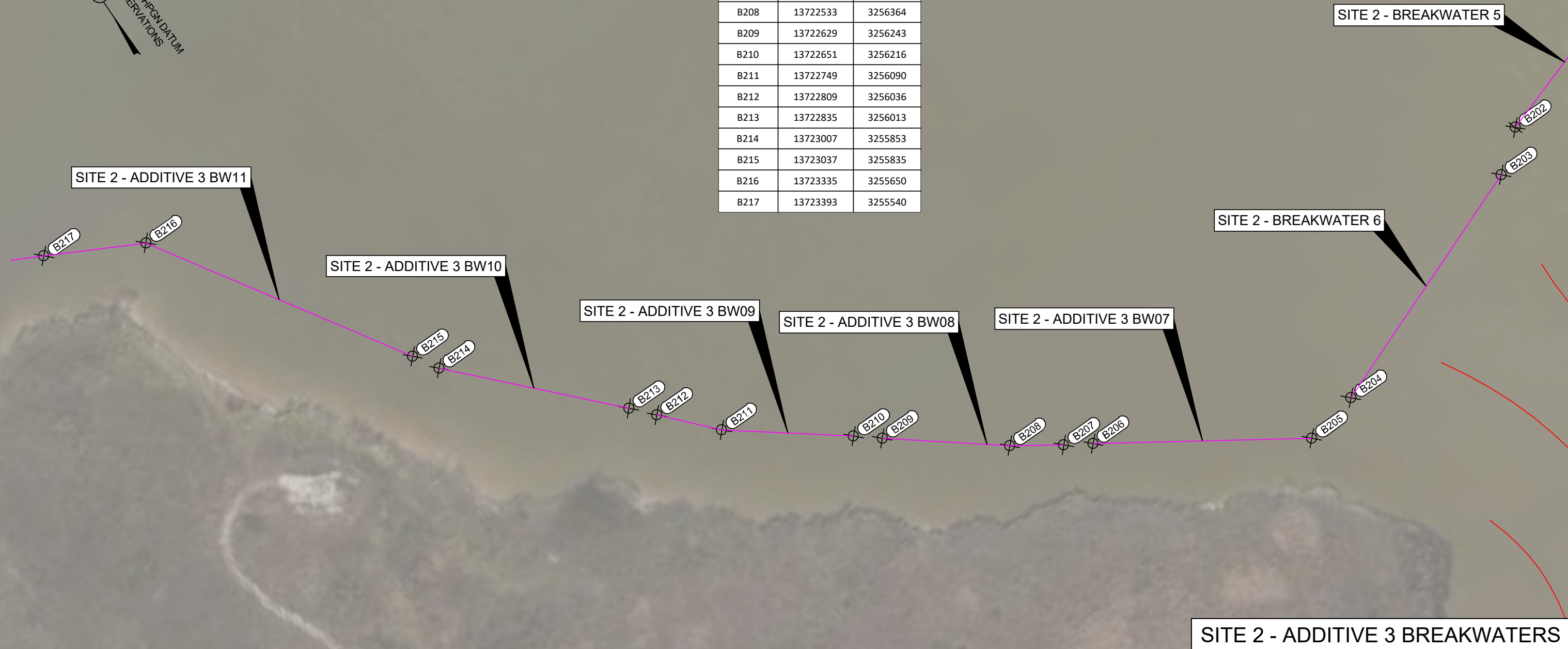
FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET:94 OF 112

TEXAS SOUTH CENTRAL ZONE - NAD83 HPGN DATUM  
DERIVED VIA GPS KINEMATIC OBSERVATIONS

**SITE 2 - ADDITIVE 3  
BREAKWATER  
COORDINATES**

Name	Northing	Easting
B205	13722330	3256668
B206	13722477	3256448
B207	13722496	3256418
B208	13722533	3256364
B209	13722629	3256243
B210	13722651	3256216
B211	13722749	3256090
B212	13722809	3256036
B213	13722835	3256013
B214	13723007	3255853
B215	13723037	3255835
B216	13723335	3255650
B217	13723393	3255540



LEGEND	
	PROPOSED BREAKWATERS
	PROPOSED TERRACES

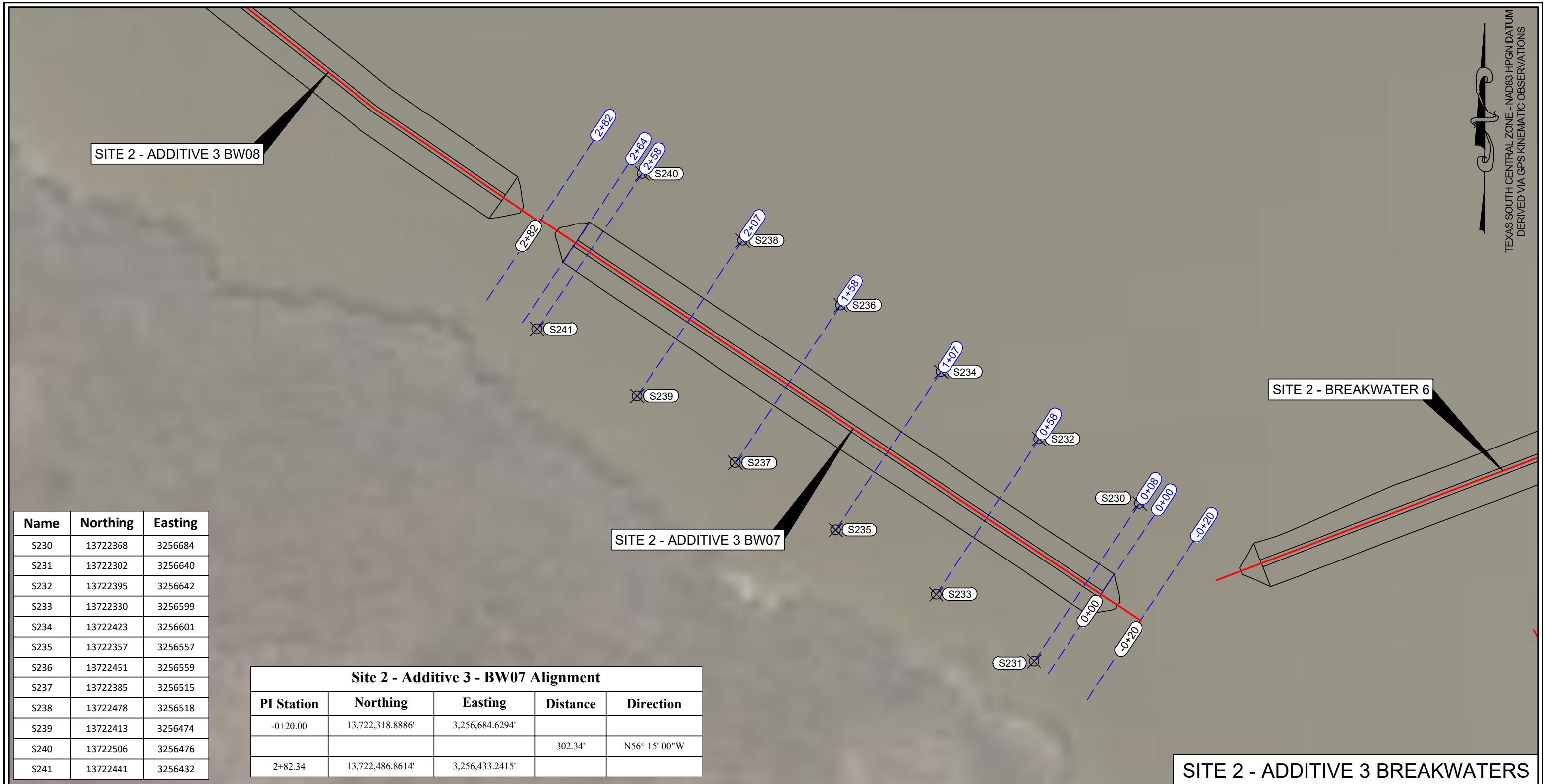
REVISED BY:	DATE:
HORIZONTAL SCALE	
DATE: 06/09/2021	JOB# 2201113

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

**SITE 2 - ADDITIVE 3 BREAKWATERS**  
 CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 2 - ADDITIVE 3 BREAKWATERS PLAN VIEW  
 GALVESTON COUNTY, TEXAS

SHEET: 95 OF 112

TEXAS SOUTH CENTRAL ZONE - NAD83 HPGN DATUM  
DERIVED VIA GPS KINEMATIC OBSERVATIONS



Name	Northing	Easting
S230	13722368	3256684
S231	13722302	3256640
S232	13722395	3256642
S233	13722330	3256599
S234	13722423	3256601
S235	13722357	3256557
S236	13722451	3256559
S237	13722385	3256515
S238	13722478	3256518
S239	13722413	3256474
S240	13722506	3256476
S241	13722441	3256432

Site 2 - Additive 3 - BW07 Alignment				
PI Station	Northing	Easting	Distance	Direction
-0+20.00	13,722,318.8886'	3,256,684.6294'		
			302.34'	N56° 15' 00"W
2+82.34	13,722,486.8614'	3,256,433.2415'		



**LEGEND**

- BREAKWATER ALIGNMENT
- BREAKWATER TEMPLATE
- - - SURVEYED CROSS-SECTION

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE

DATE: 06/09/2021 JOB# 2201113

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

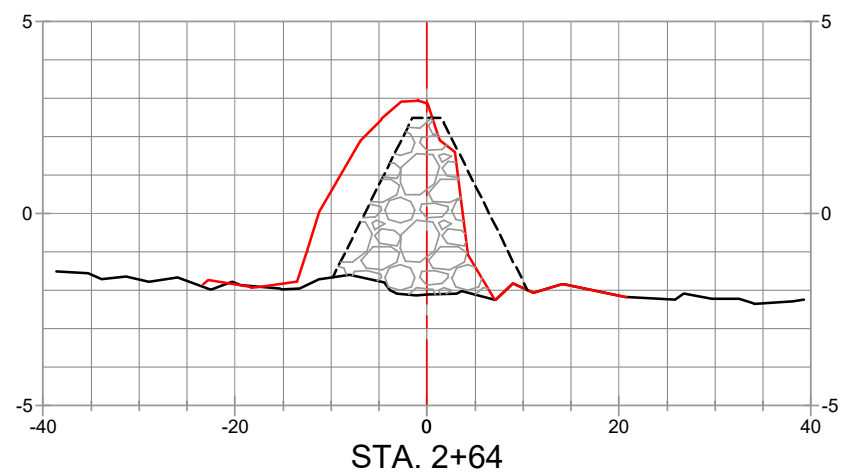
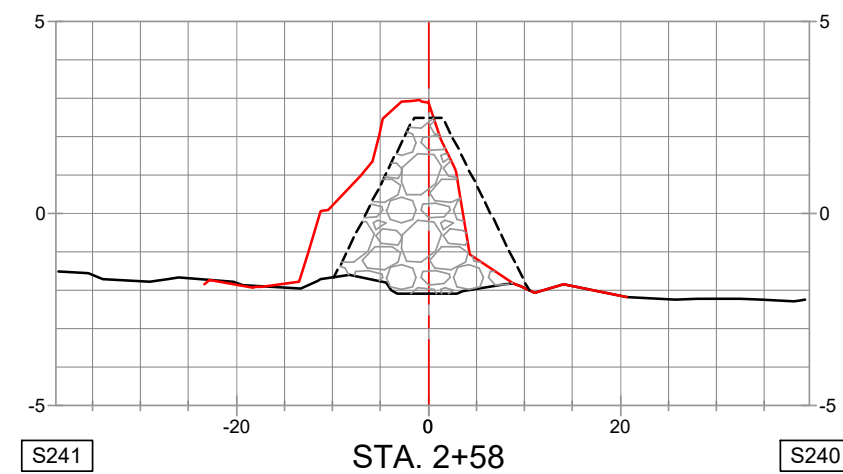
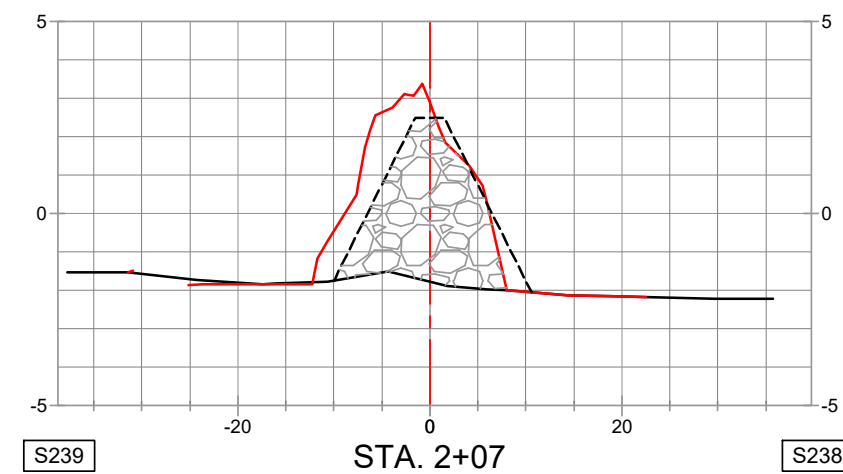
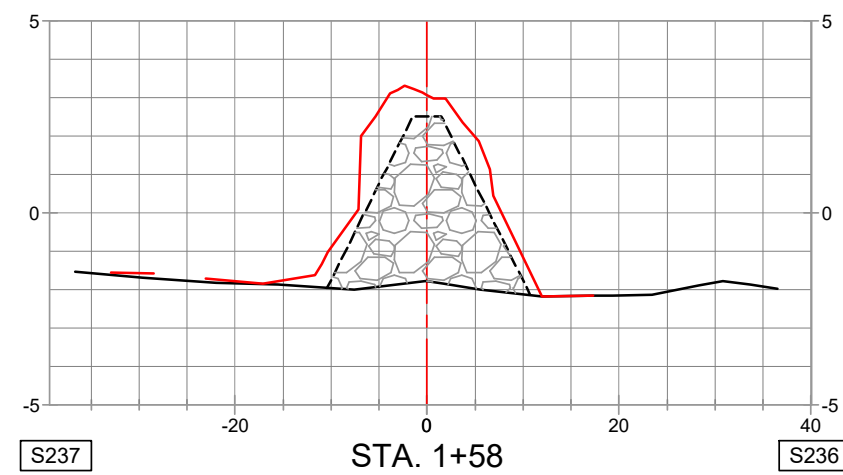
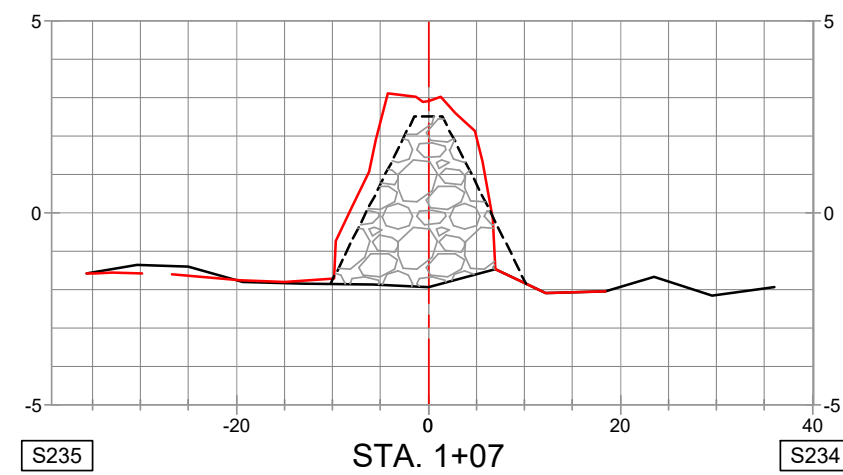
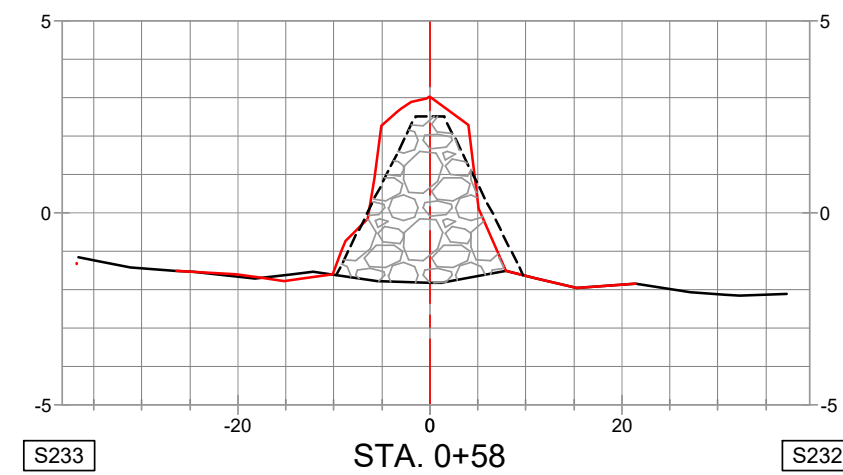
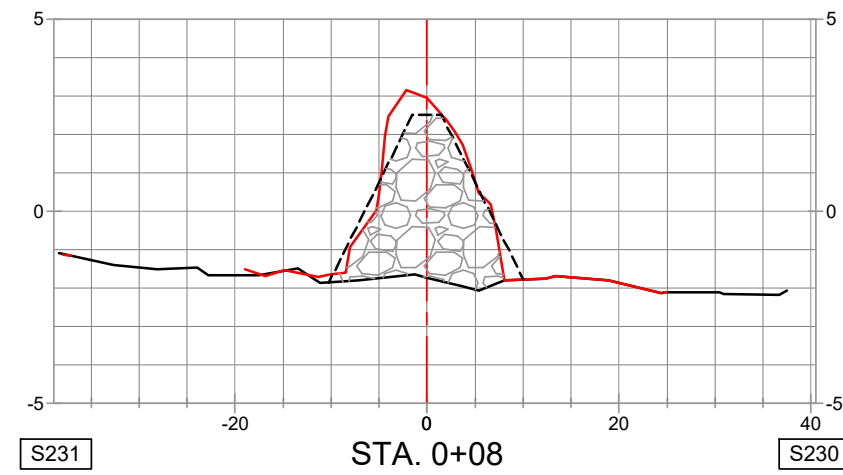
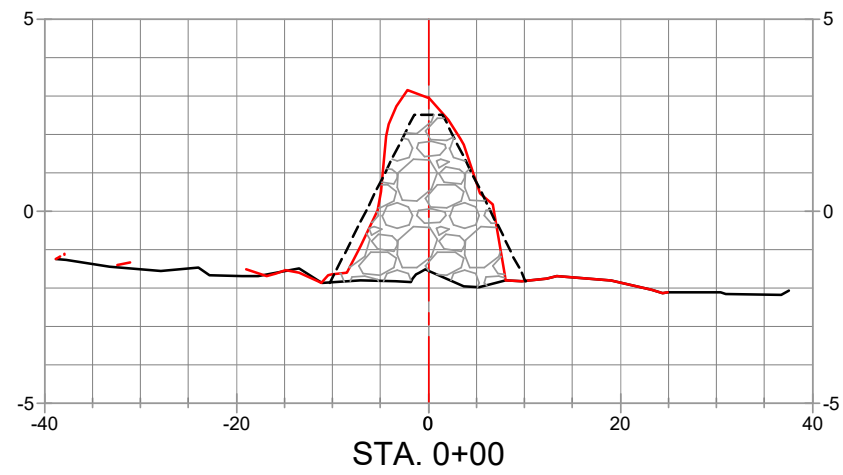
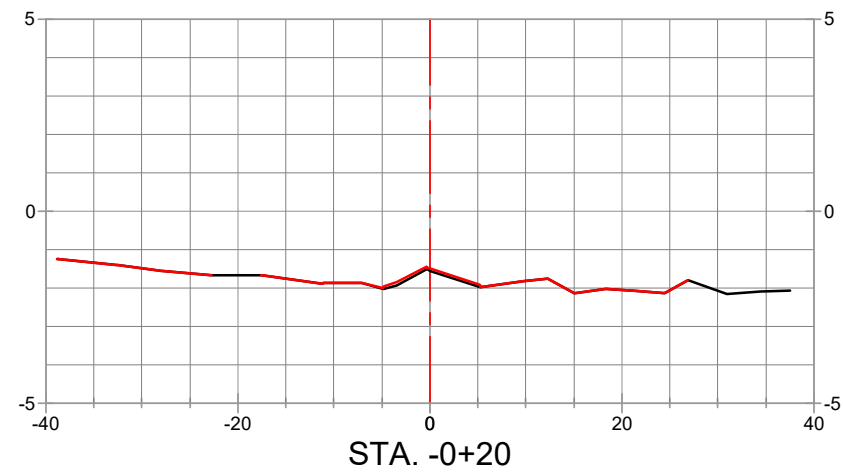
FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

**SITE 2 - ADDITIVE 3 BREAKWATERS**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 2 - ADDITIVE 3 BW07 SURVEY PLAN VIEW  
 GALVESTON COUNTY, TEXAS

SHEET: 96 OF 112





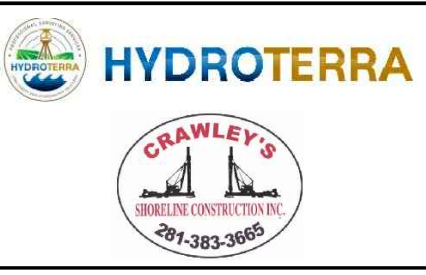
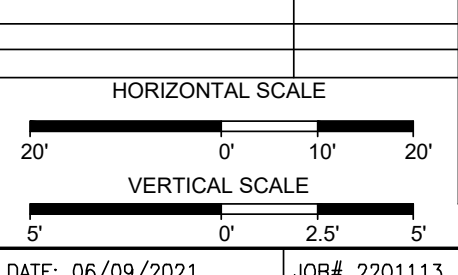
**NOTES**

- 1.) BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

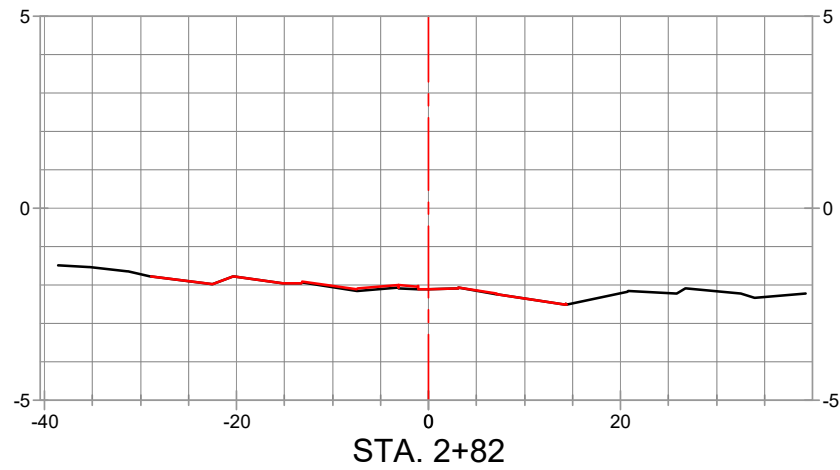
**LEGEND**

- PRE-CONSTRUCTION SURVEY (03/05/2021)
- AS-BUILT SURVEY (05/17/2021 & 05/18/2021)
- TEMPLATE
- VOLUME IN PLACE WITHIN TEMPLATE
- BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



**CRAWLEY'S SHORELINE CONSTRUCTION INC.**  
**COMPILED AS-BUILTS**  
**GALVESTON BAY FOUNDATION**  
**DOLLAR BAY MARSH RESTORATION**  
 SITE 2 – ADDITIVE 3 BW07 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS



**Site 2 - Additive 3 BW07  
Volume in Place Within  
Template**

Station	Area	Volume	Cumulative Volume
-0+19.70	0.00	0.00	0.00
0+00.00	45.99	16.78	16.78
0+07.77	46.83	13.35	30.13
0+57.55	45.23	84.88	115.00
1+07.33	47.28	85.29	200.30
1+57.81	52.65	93.41	293.70
2+07.18	45.79	90.00	383.70
2+57.66	41.73	81.81	465.51
2+64.39	41.90	10.42	475.93
2+82.04	0.00	13.70	489.63



**NOTES**

- BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

- PRE-CONSTRUCTION SURVEY (03/05/2021)
- AS-BUILT SURVEY (05/17/2021 & 05/18/2021)
- TEMPLATE
- VOLUME IN PLACE WITHIN TEMPLATE
- BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_


HORIZONTAL SCALE

20'      0'      10'      20'


VERTICAL SCALE

5'      0'      2.5'      5'

DATE: 06/09/2021      JOB# 2201113



HYDROTERRA

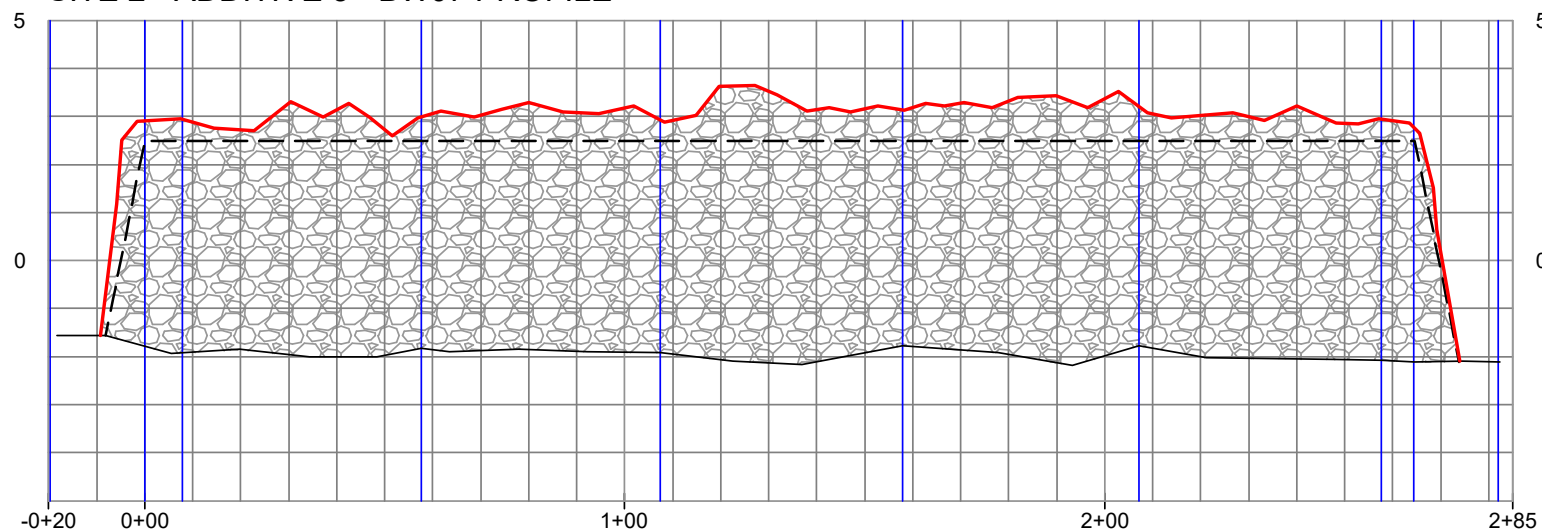


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**CRAWLEY'S SHORELINE CONSTRUCTION INC.**  
**COMPILED AS-BUILTS**  
**GALVESTON BAY FOUNDATION**  
**DOLLAR BAY MARSH RESTORATION**  
 SITE 2 - ADDITIVE 3 BW07 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg      SHEET:98 OF 112

SITE 2 - ADDITIVE 3 - BW07 PROFILE



**NOTES**

- 1.) BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

- PRE-CONSTRUCTION SURVEY
- AS-BUILT SURVEY
- - - TEMPLATE
- [Hatched Box] VOLUME IN PLACE
- | SURVEYED CROSS-SECTION

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE  
 40' 0' 20' 40'

VERTICAL SCALE  
 4' 0' 2' 4'

DATE: 06/09/2021 JOB# 2201113



CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 2 - ADDITIVE 3 BW07 PROFILE VIEW  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 99 OF 112

SITE 2 - ADDITIVE 3 BW09

SITE 2 - ADDITIVE 3 BW08

SITE 2 - ADDITIVE 3 BW07

Name	Northing	Easting
S242	13722530	3256441
S243	13722464	3256397
S244	13722552	3256407
S245	13722486	3256363
S246	13722565	3256390
S247	13722502	3256340
S248	13722579	3256370
S249	13722518	3256320
S250	13722611	3256330
S251	13722549	3256281
S252	13722642	3256291
S253	13722580	3256242
S254	13722660	3256268
S255	13722599	3256219

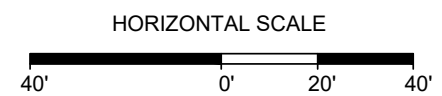
PI Station	Northing	Easting	Distance	Direction
-0+17.75	13,722,485.9665'	3,256,432.6435'		
			83.21'	N55° 34' 54"W
0+65.46	13,722,533.0000'	3,256,364.0000'		
			171.87'	N51° 34' 19"W
2+37.33	13,722,639.8211'	3,256,229.3609'		



**LEGEND**

- BREAKWATER ALIGNMENT
- BREAKWATER TEMPLATE
- - - SURVEYED CROSS-SECTION

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



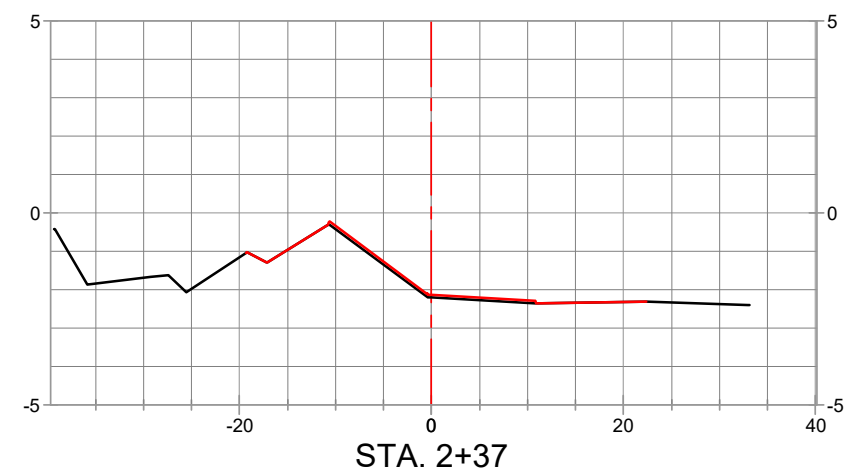
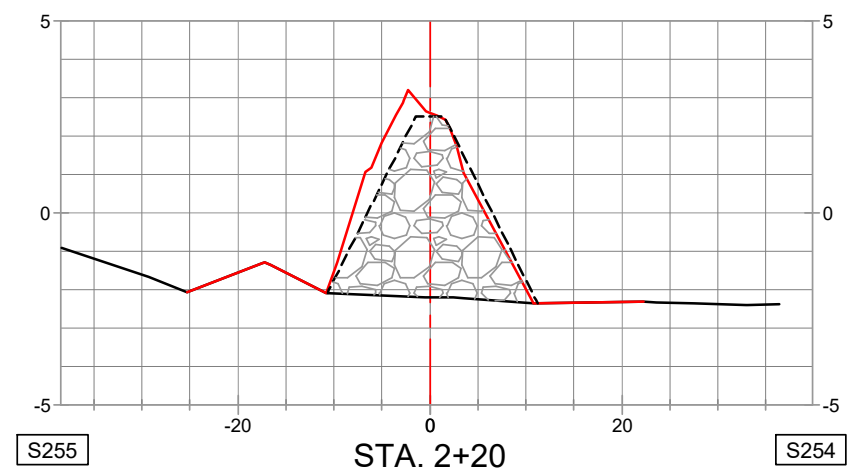
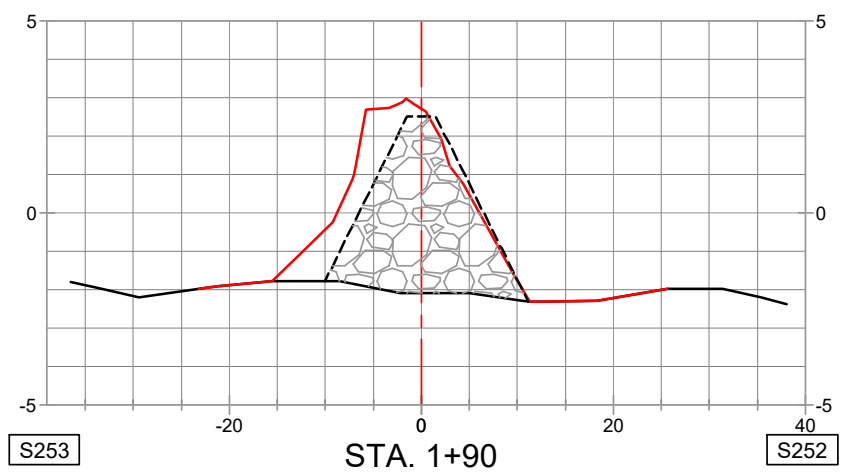
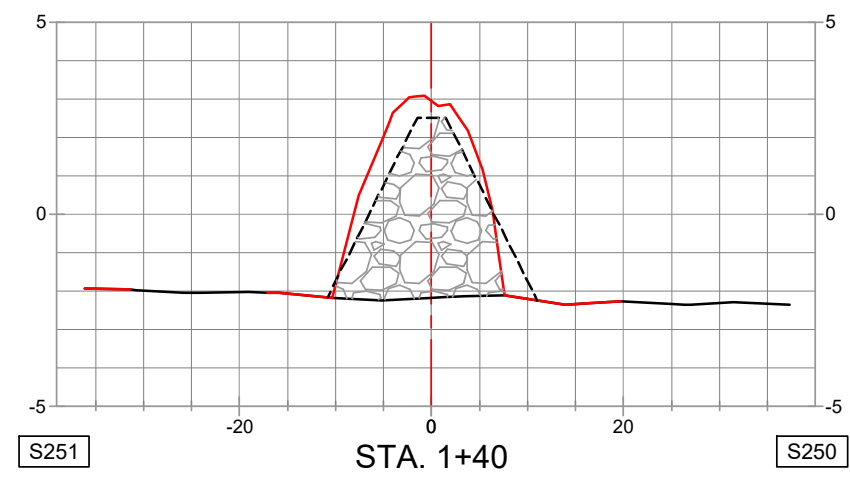
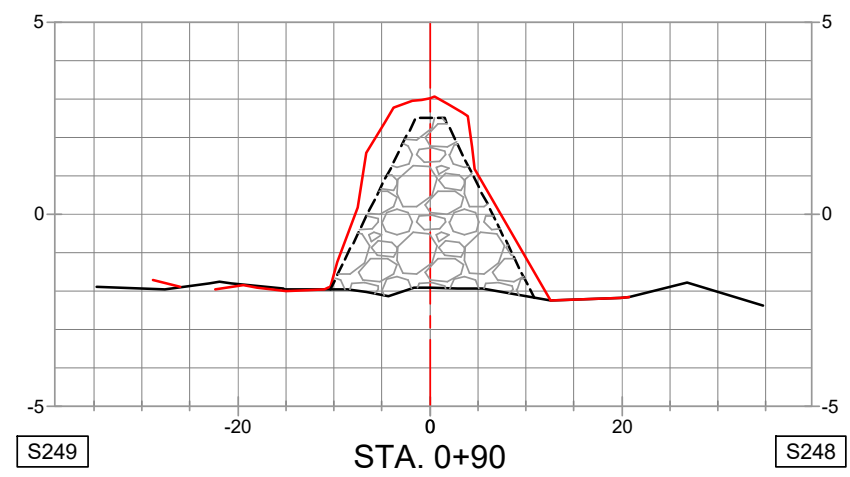
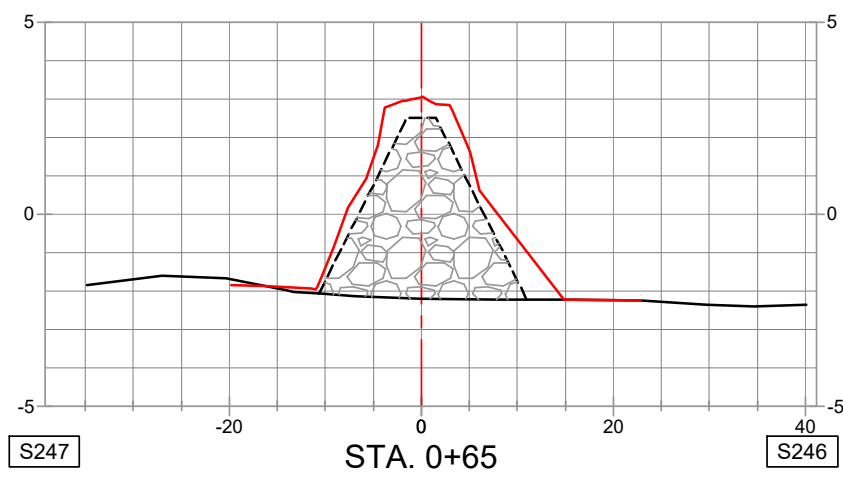
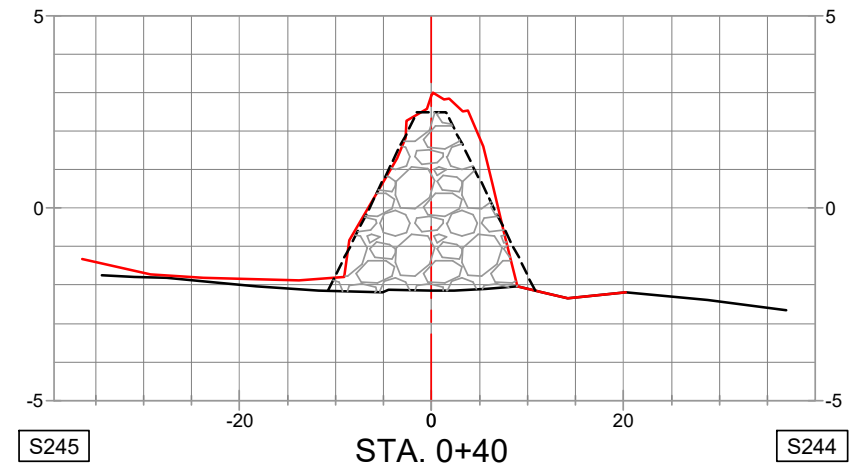
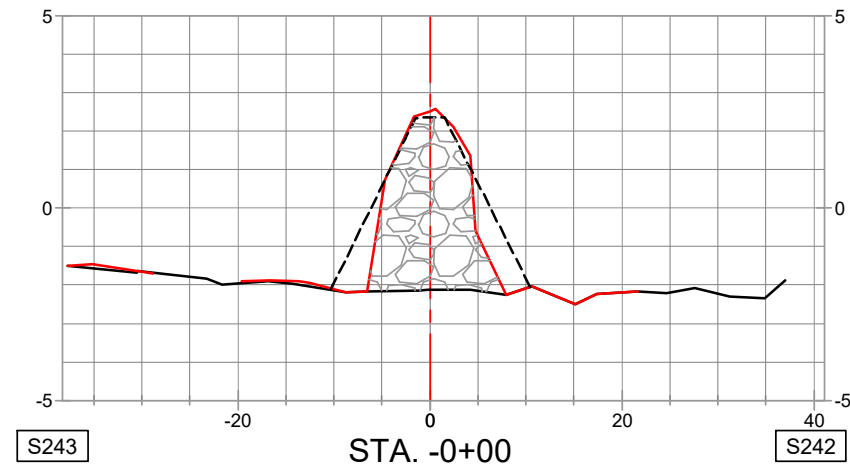
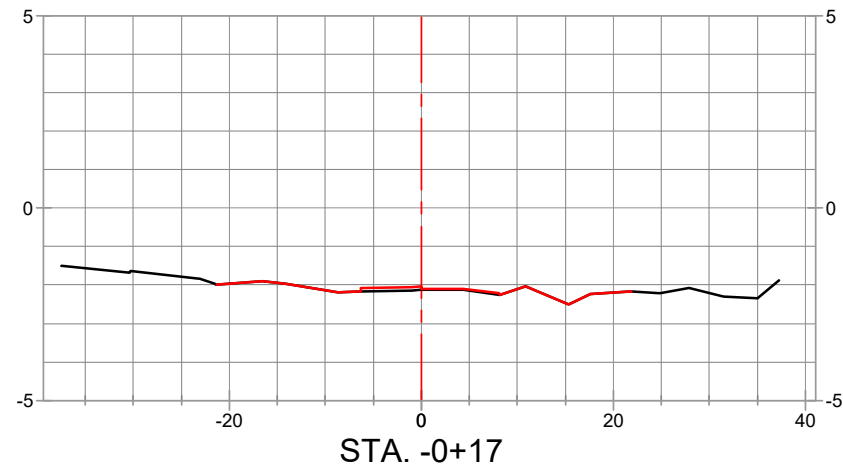
DATE: 06/09/2021 JOB# 2201113

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

**SITE 2 - ADDITIVE 3 BREAKWATERS**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
COMPILED AS-BUILTS  
GALVESTON BAY FOUNDATION  
DOLLAR BAY MARSH RESTORATION  
SITE 2 - ADDITIVE 3 BW08 SURVEY PLAN VIEW  
GALVESTON COUNTY, TEXAS



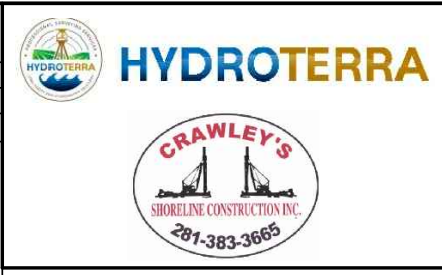
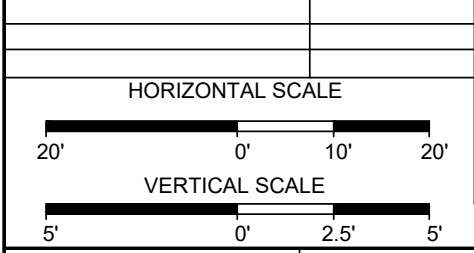
**NOTES**

- 1.) BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

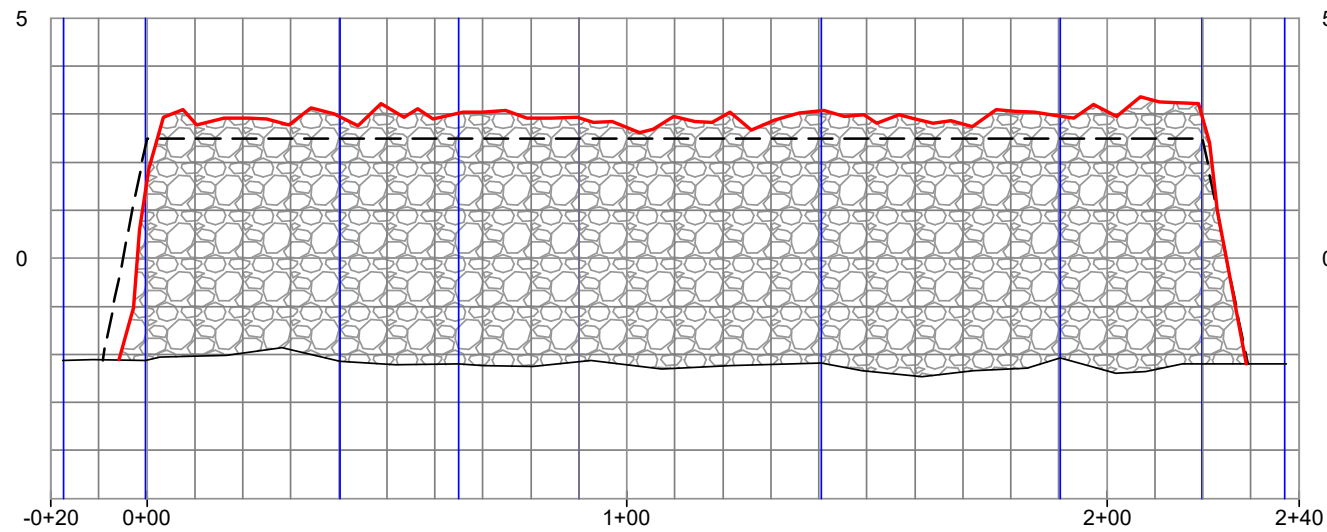
- PRE-CONSTRUCTION SURVEY (03/05/2021)
- AS-BUILT SURVEY (05/17/2021 & 05/18/2021)
- TEMPLATE
- VOLUME IN PLACE WITHIN TEMPLATE
- BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



**CRAWLEY'S SHORELINE CONSTRUCTION INC.**  
**COMPILED AS-BUILTS**  
**GALVESTON BAY FOUNDATION**  
**DOLLAR BAY MARSH RESTORATION**  
 SITE 2 - ADDITIVE 3 BW08 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS

SITE 2 - ADDITIVE 3 - BW08 PROFILE



Site 2 - Additive 3 BW08 Volume in Place Within Template			
Station	Area	Volume	Cumulative Volume
-0+17.45	0.00	0.00	0.00
-0+00.28	42.05	13.37	13.37
0+40.22	54.70	72.56	85.94
0+64.99	58.00	51.69	137.63
0+89.98	53.94	51.81	189.44
1+40.50	54.17	101.13	290.57
1+90.32	52.59	98.49	389.06
2+19.84	55.60	59.14	448.21
2+37.03	0.00	17.70	465.90



**NOTES**

- BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

- PRE-CONSTRUCTION SURVEY
- AS-BUILT SURVEY
- - - TEMPLATE
- VOLUME IN PLACE
- | SURVEYED CROSS-SECTION

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE  
40' 0' 20' 40'

VERTICAL SCALE  
4' 0' 2' 4'

DATE: 06/09/2021 JOB# 2201113

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 2 - ADDITIVE 3 BW08 PROFILE VIEW  
 GALVESTON COUNTY, TEXAS

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 102 OF 112

SITE 2 - ADDITIVE 3 BW10

SITE 2 - ADDITIVE 3 BW09

SITE 2 - ADDITIVE 3 BW08

SITE 2 - ADDITIVE 3 BREAKWATERS

Name	Northing	Easting
S256	13722682	3256240
S257	13722619	3256191
S258	13722706	3256210
S259	13722643	3256161
S260	13722737	3256171
S261	13722674	3256122
S262	13722768	3256131
S263	13722705	3256082
S264	13722781	3256115
S265	13722720	3256063
S266	13722798	3256099
S267	13722746	3256040
S268	13722835	3256066
S269	13722783	3256007

Site 2 - Additive 3 - BW09 Alignment				
PI Station	Northing	Easting	Distance	Direction
-0+17.41	13,722,640.3115'	3,256,229.7423'		
			177.03'	N52° 07' 30"W
1+59.62	13,722,749.0000'	3,256,090.0000'		
			98.08'	N41° 59' 14"W
2+57.70	13,722,821.9017'	3,256,024.3885'		



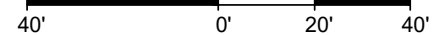
LEGEND

- BREAKWATER ALIGNMENT
- BREAKWATER TEMPLATE
- - - SURVEYED CROSS-SECTION

REVISED BY:

DATE:

HORIZONTAL SCALE



HYDROTERRA



PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

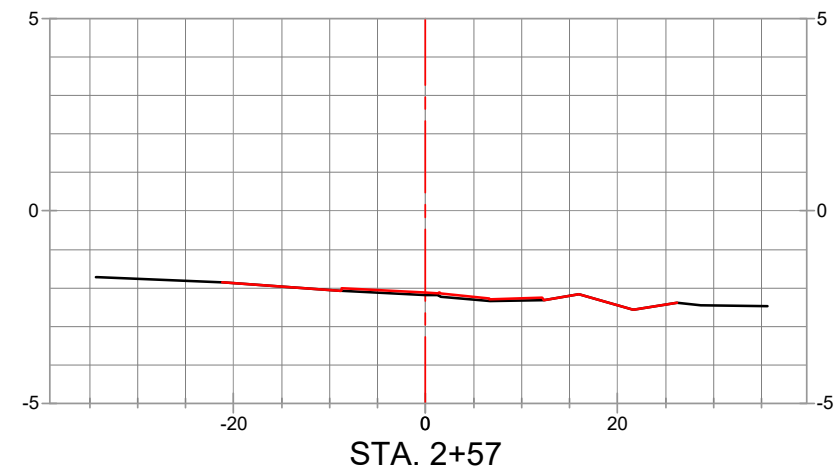
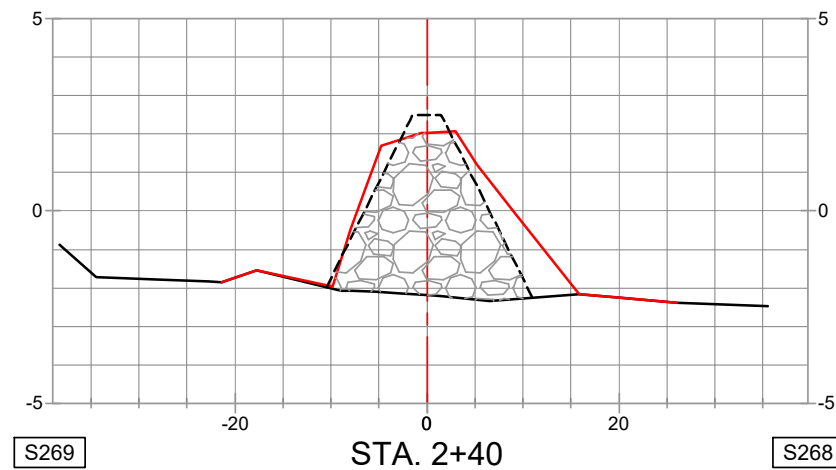
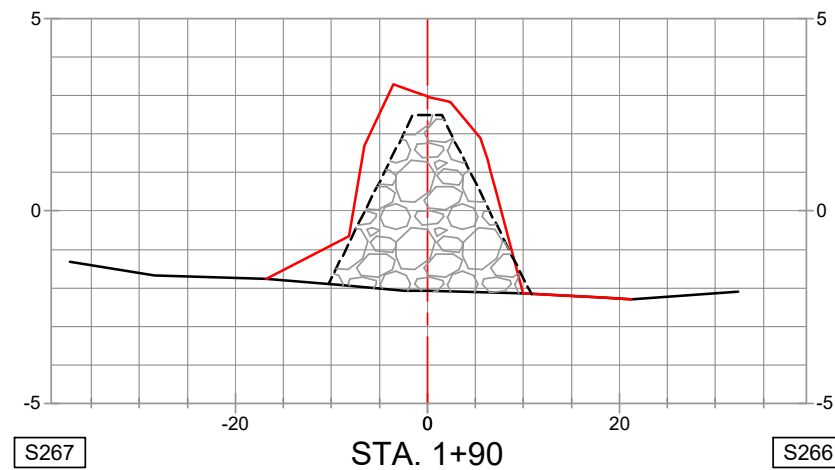
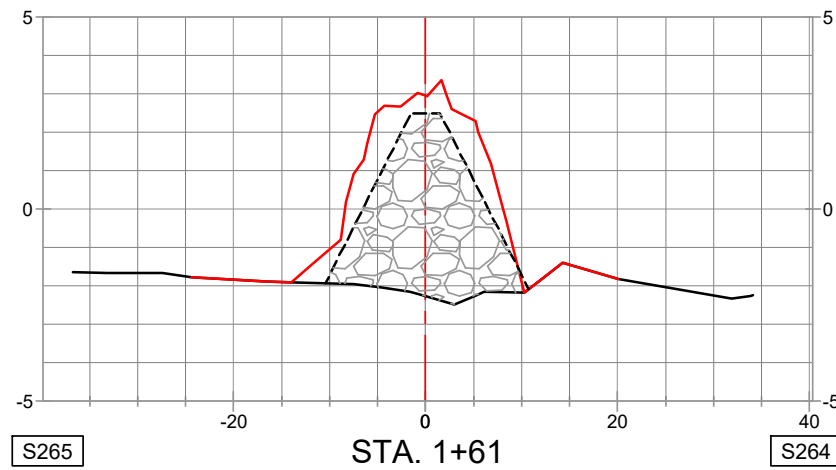
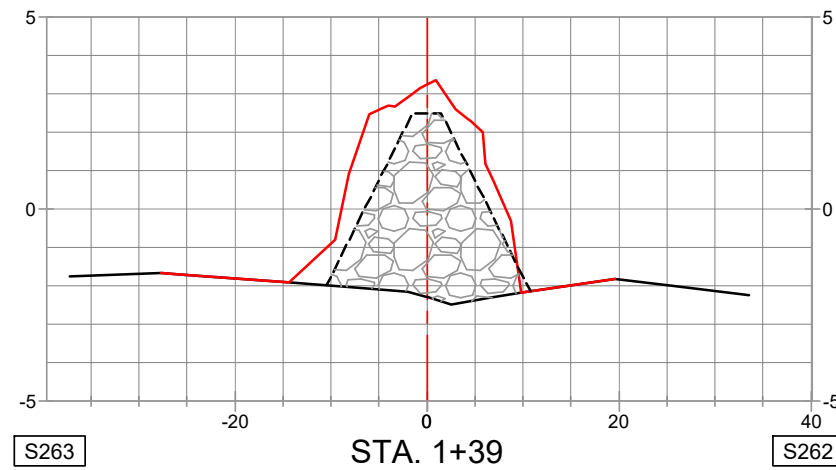
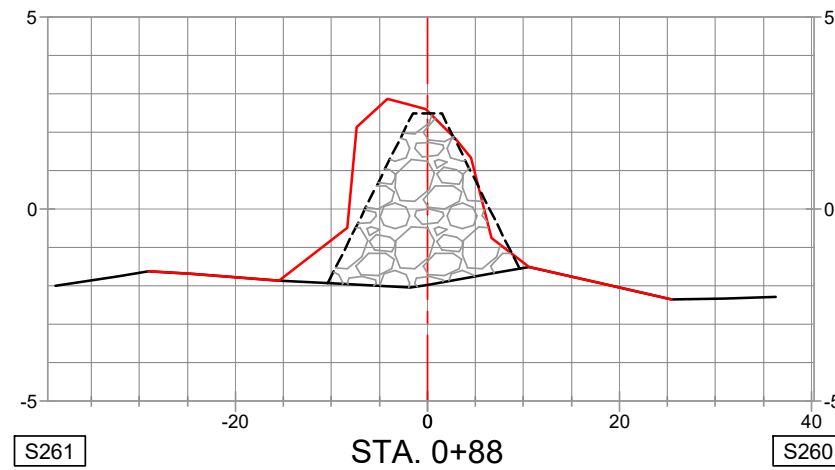
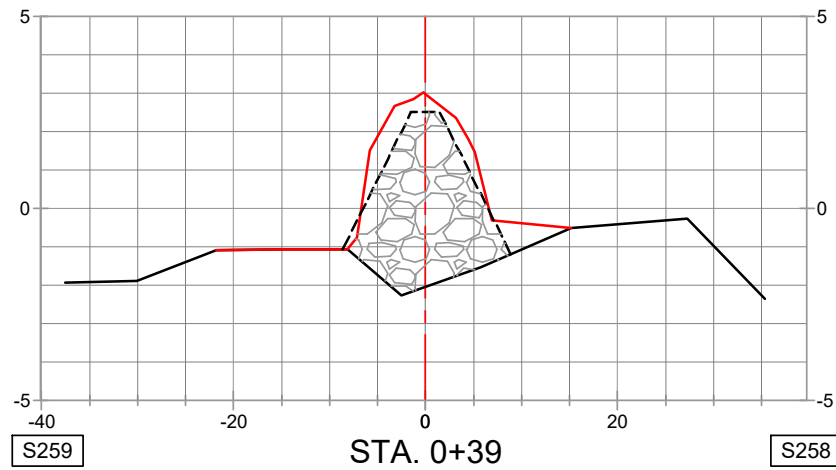
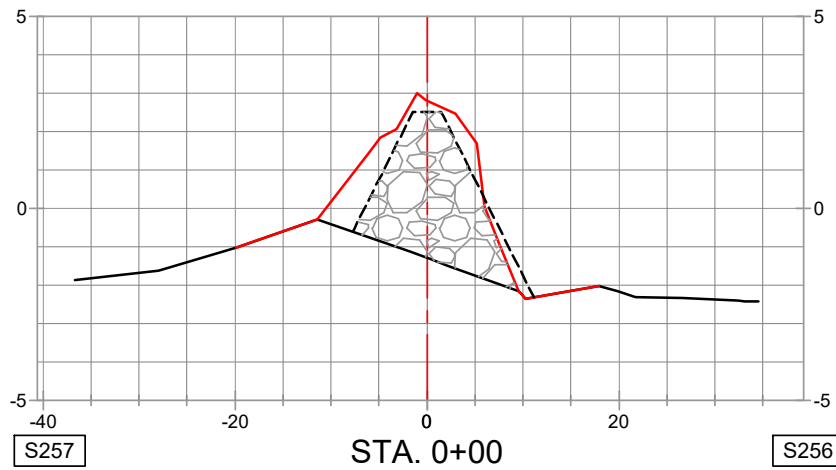
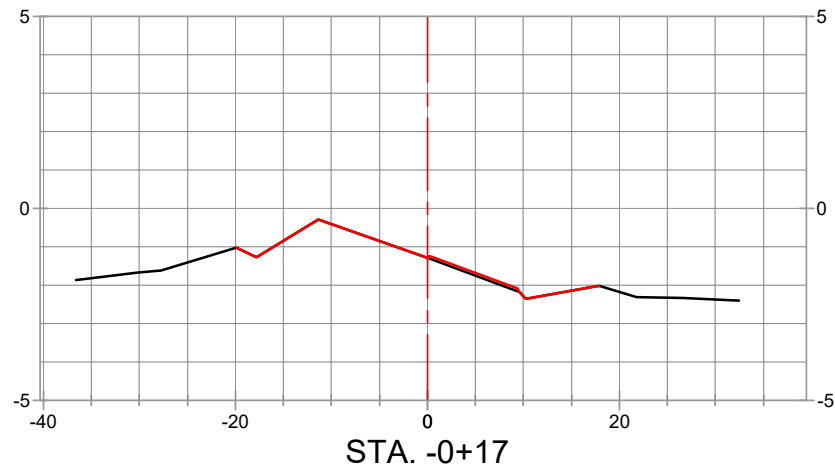
CRAWLEY'S SHORELINE CONSTRUCTION INC.  
COMPILED AS-BUILTS  
GALVESTON BAY FOUNDATION  
DOLLAR BAY MARSH RESTORATION  
SITE 2 - ADDITIVE 3 BW09 SURVEY PLAN VIEW  
GALVESTON COUNTY, TEXAS

DATE: 06/09/2021

JOB# 2201113

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 103 OF 112



**NOTES**

- BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

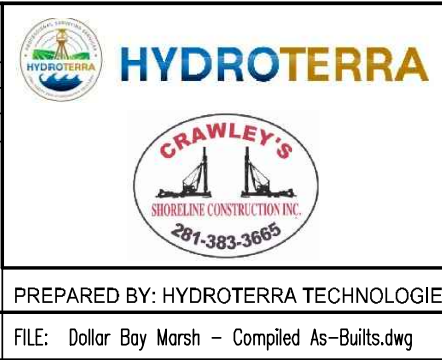
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- AS-BUILT SURVEY (05/17/2021 & 05/18/2021)
- - - TEMPLATE
- ▨ VOLUME IN PLACE WITHIN TEMPLATE
- - - BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE  
 20' 0' 10' 20'

VERTICAL SCALE  
 5' 0' 2.5' 5'

DATE: 06/09/2021 JOB# 2201113



CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 2 - ADDITIVE 3 BW09 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS

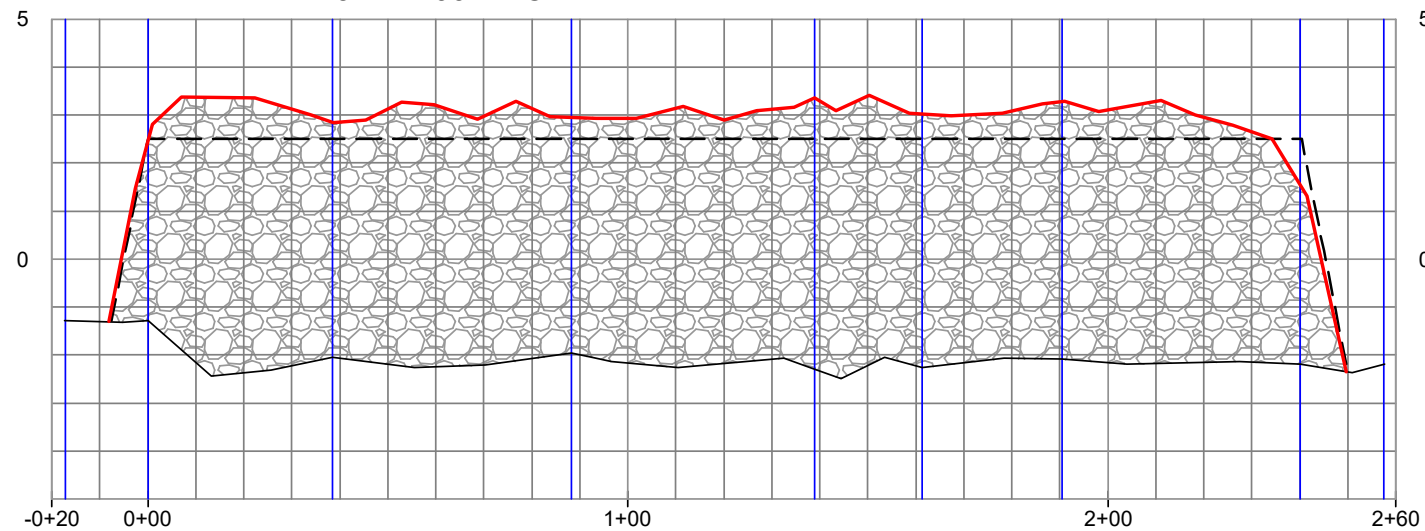
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

SHEET: 104 OF 112



SITE 2 - ADDITIVE 3 - BW09 PROFILE



Site 2 - Additive 3 BW09 Volume in Place Within Template			
Station	Area	Volume	Cumulative Volume
-0+17.11	0.00	0.00	0.00
0+00.09	39.51	12.58	12.58
0+38.50	46.82	61.41	74.00
0+88.32	49.71	89.05	163.05
1+38.93	58.07	101.01	264.06
1+61.37	57.43	47.95	312.00
1+90.44	54.97	60.49	372.50
2+40.02	55.98	101.87	474.36
2+57.40	0.00	18.03	492.39



**NOTES**

- BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

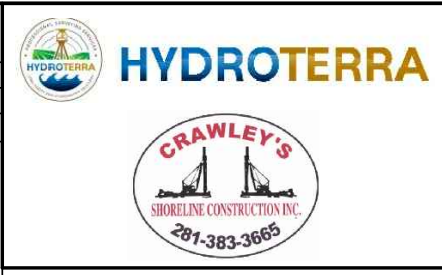
- PRE-CONSTRUCTION SURVEY
- AS-BUILT SURVEY
- - - TEMPLATE
- [Hatched Box] VOLUME IN PLACE
- | SURVEYED CROSS-SECTION

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE  
40' 0' 20' 40'

VERTICAL SCALE  
4' 0' 2' 4'

DATE: 06/09/2021 JOB# 2201113



CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 2 – ADDITIVE 3 BW09 PROFILE VIEW  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583  
 FILE: Dollar Bay Marsh – Compiled As-Builts.dwg SHEET: 105 OF 112

SITE 2 - ADDITIVE 3 BW11

SITE 2 - ADDITIVE 3 BW10

SITE 2 - ADDITIVE 3 BW09

SITE 2 - ADDITIVE 3 BREAKWATERS

Name	Northing	Easting
S270	13722874	3256031
S271	13722822	3255972
S272	13722912	3255997
S273	13722859	3255939
S274	13722949	3255964
S275	13722896	3255905
S276	13722986	3255930
S277	13722933	3255872
S278	13723023	3255897
S279	13722970	3255838

PI Station	Northing	Easting	Distance	Direction
-0+17.36	13,722,822.2872'	3,256,024.8259'		
			270.12'	N42° 55' 48"W
2+52.76	13,723,020.0683'	3,255,840.8434'		

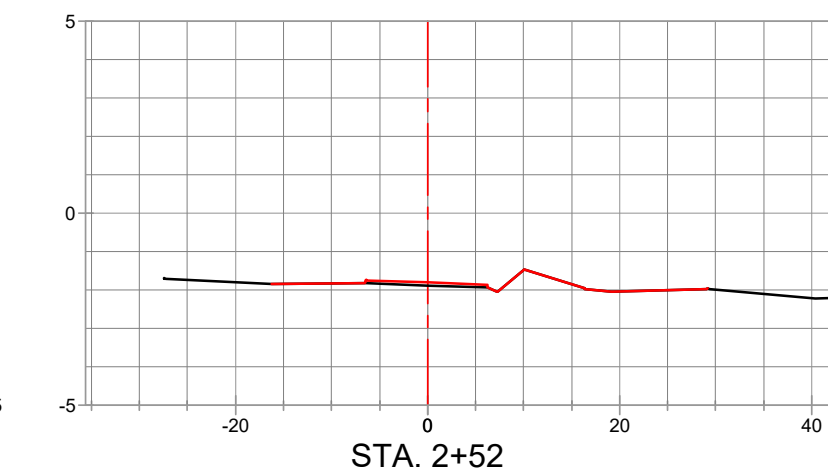
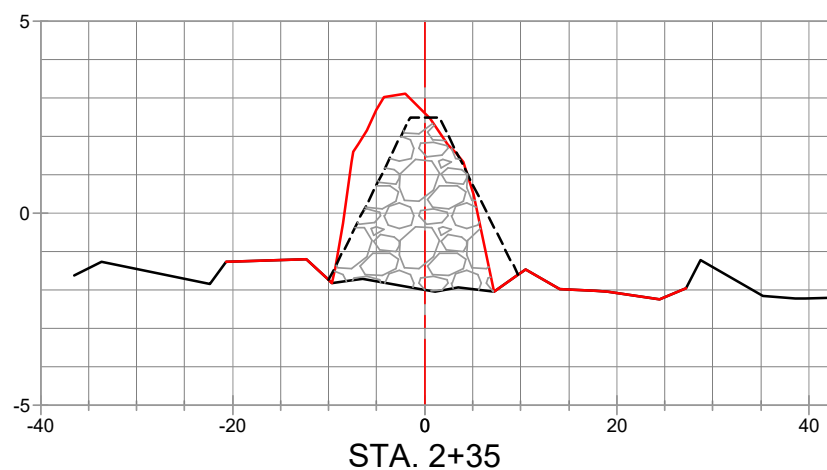
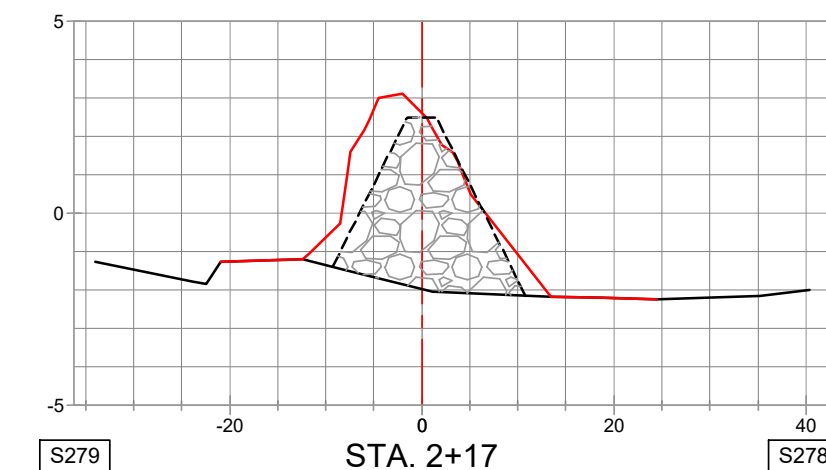
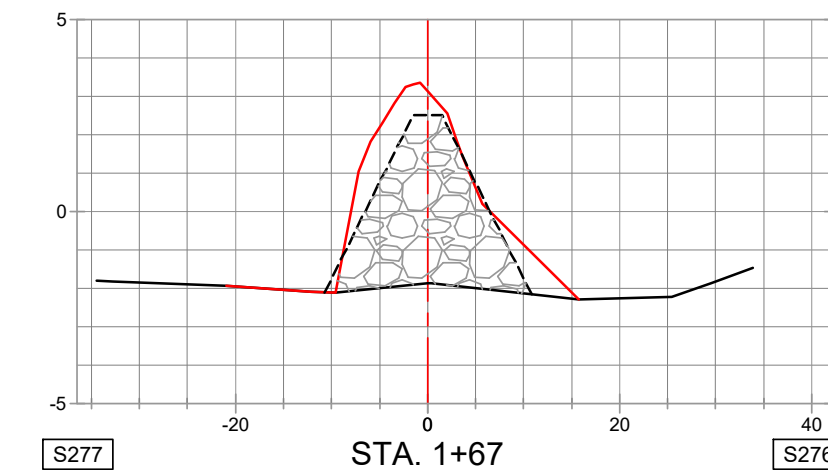
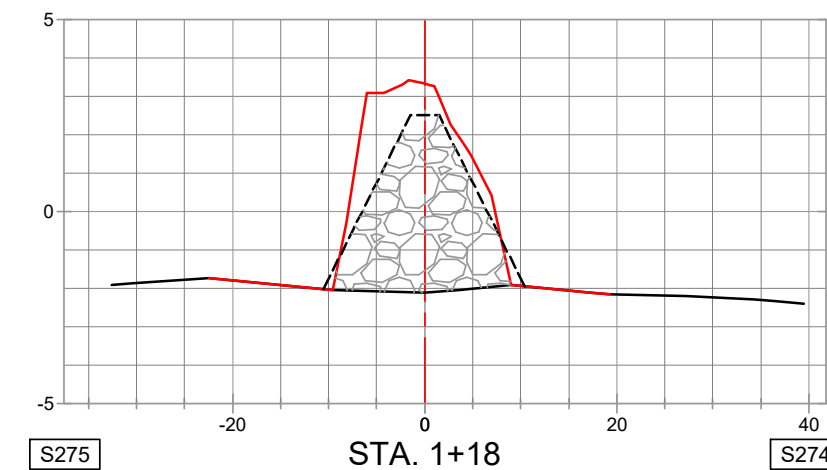
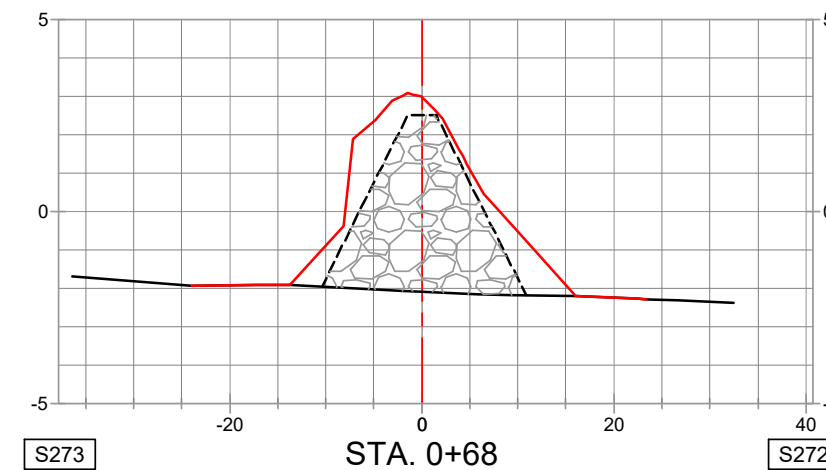
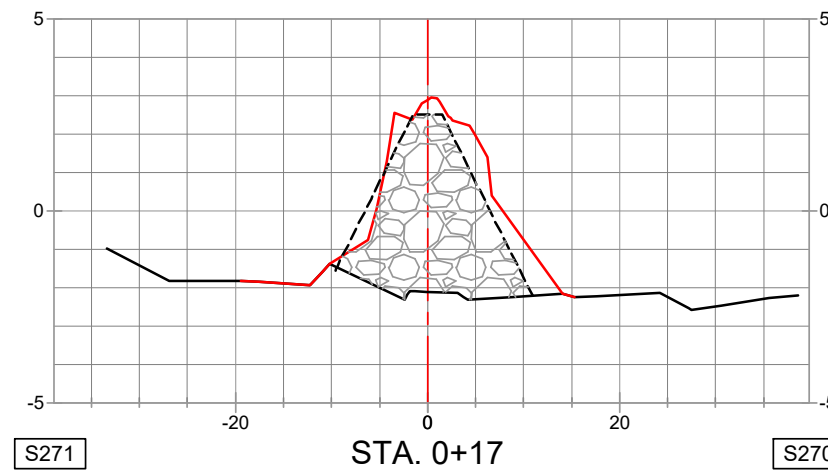
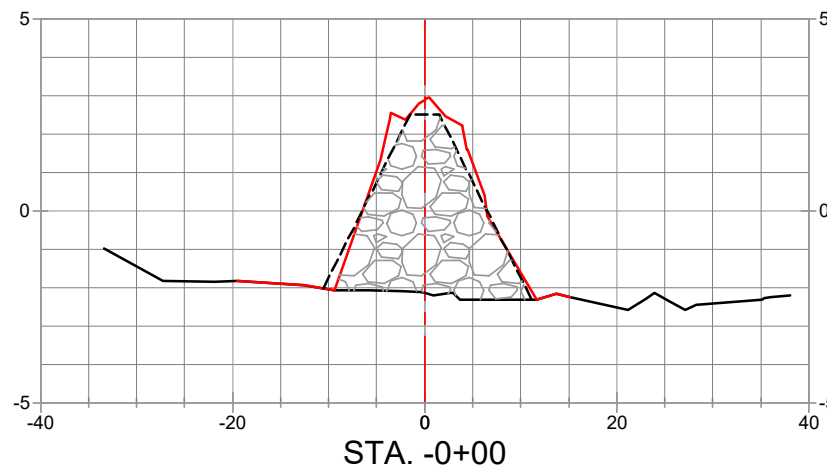
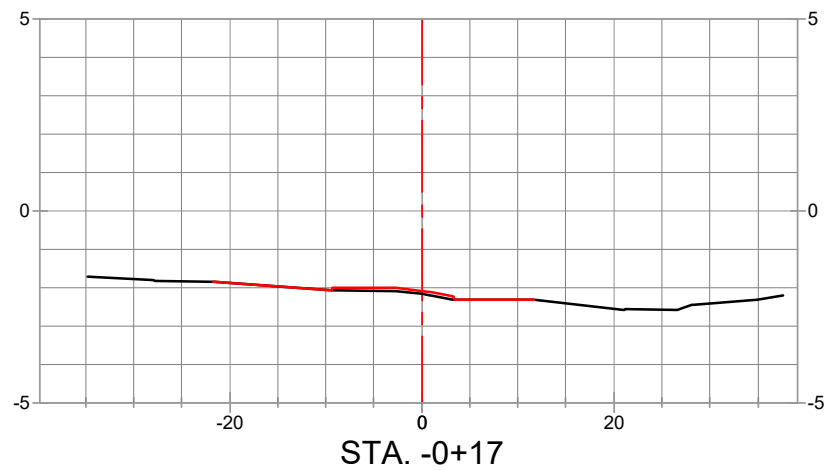


- LEGEND**
- BREAKWATER ALIGNMENT
  - BREAKWATER TEMPLATE
  - - - SURVEYED CROSS-SECTION

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
COMPILED AS-BUILTS  
GALVESTON BAY FOUNDATION  
DOLLAR BAY MARSH RESTORATION  
SITE 2 - ADDITIVE 3 BW10 SURVEY PLAN VIEW  
GALVESTON COUNTY, TEXAS



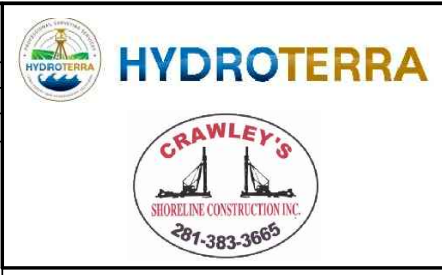
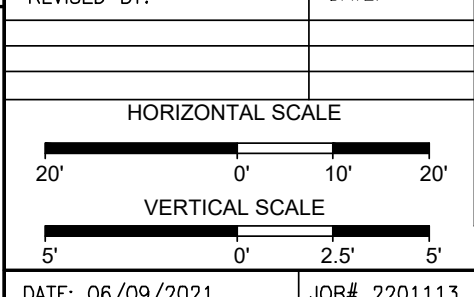
**NOTES**

- 1.) BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

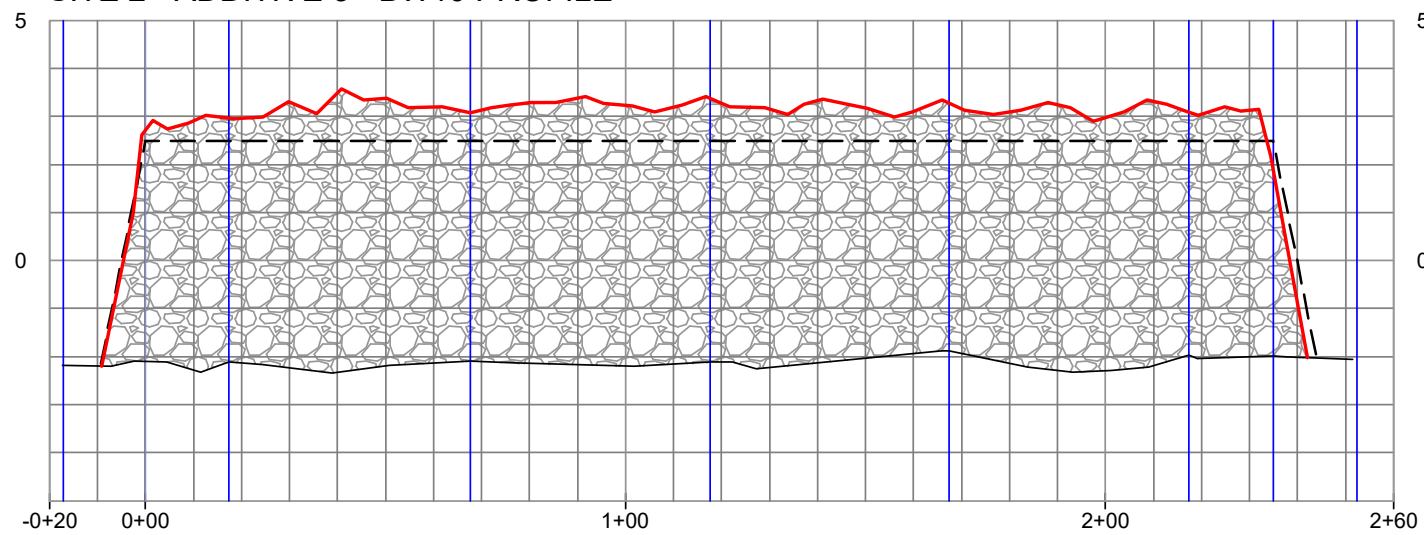
- PRE-CONSTRUCTION SURVEY (03/05/2021)
- AS-BUILT SURVEY (05/17/2021 & 05/18/2021)
- - - TEMPLATE
- ▨ VOLUME IN PLACE WITHIN TEMPLATE
- · - · - BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



**CRAWLEY'S SHORELINE CONSTRUCTION INC.**  
**COMPILED AS-BUILTS**  
**GALVESTON BAY FOUNDATION**  
**DOLLAR BAY MARSH RESTORATION**  
 SITE 2 – ADDITIVE 3 BW10 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS

SITE 2 - ADDITIVE 3 - BW10 PROFILE



Site 2 - Additive 3 BW10 Volume in Place Within Template			
Station	Area	Volume	Cumulative Volume
-0+17.06	0.00	0.00	0.00
-0+00.00	56.42	17.83	17.83
0+17.36	53.57	35.37	53.19
0+67.64	55.77	101.80	154.99
1+17.57	53.71	101.23	256.22
1+67.47	53.36	98.93	355.16
2+17.41	50.47	96.04	451.19
2+34.91	46.55	31.45	482.64
2+52.46	0.00	15.13	497.77



**NOTES**

- BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

- PRE-CONSTRUCTION SURVEY
- AS-BUILT SURVEY
- TEMPLATE
- VOLUME IN PLACE
- SURVEYED CROSS-SECTION

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE  
40' 0' 20' 40'

VERTICAL SCALE  
4' 0' 2' 4'

DATE: 06/09/2021 JOB# 2201113



CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 2 - ADDITIVE 3 BW10 PROFILE VIEW  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583  
 FILE: Dollar Bay Marsh - Compiled As-Builts.dwg SHEET: 108 OF 112

Name	Northing	Easting
S280	13723057	3255868
S281	13723016	3255801
S282	13723100	3255841
S283	13723059	3255775
S284	13723143	3255815
S285	13723101	3255748
S286	13723185	3255789
S287	13723144	3255722
S288	13723228	3255763
S289	13723186	3255696
S290	13723270	3255736
S291	13723229	3255670
S292	13723313	3255710
S293	13723272	3255643
S294	13723363	3255677
S295	13723306	3255623
S296	13723393	3255625
S297	13723323	3255588
S298	13723410	3255591
S299	13723341	3255555
S300	13723428	3255558
S301	13723358	3255521
S302	13723412	3255504



PI Station	Northing	Easting	Distance	Direction
0+00.00	13,723,022.1384'	3,255,844.2262'		
			17.49'	N31° 49' 56"W
0+17.49	13,723,037.0000'	3,255,835.0000'		
			350.75'	N31° 49' 56"W
3+68.25	13,723,335.0000'	3,255,650.0000'		
			124.35'	N62° 11' 55"W
4+92.60	13,723,393.0000'	3,255,540.0000'		
			40.71'	N62° 10' 33"W
5+33.31	13,723,412.0000'	3,255,504.0000'		

TEXAS SOUTH CENTRAL ZONE - NAD83 HPGN DATUM  
DERIVED VIA GPS KINEMATIC OBSERVATIONS



LEGEND	
<span style="color: red;">—</span>	BREAKWATER ALIGNMENT
<span style="color: black;">—</span>	BREAKWATER TEMPLATE
<span style="color: blue;">- - -</span>	SURVEYED CROSS-SECTION

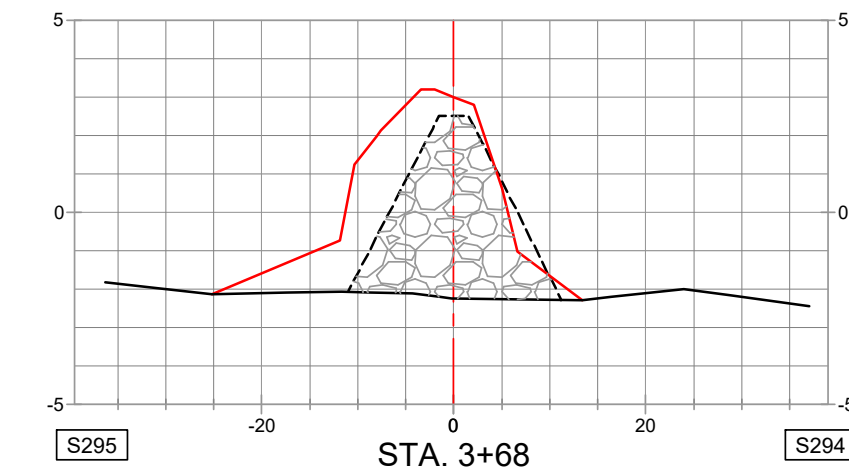
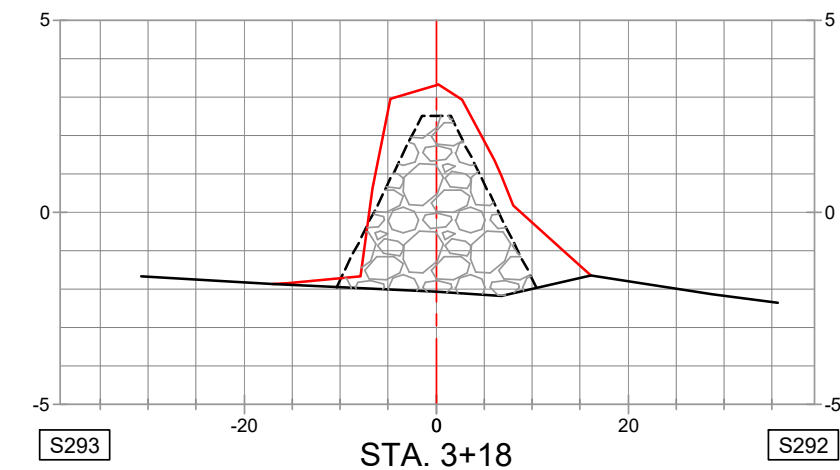
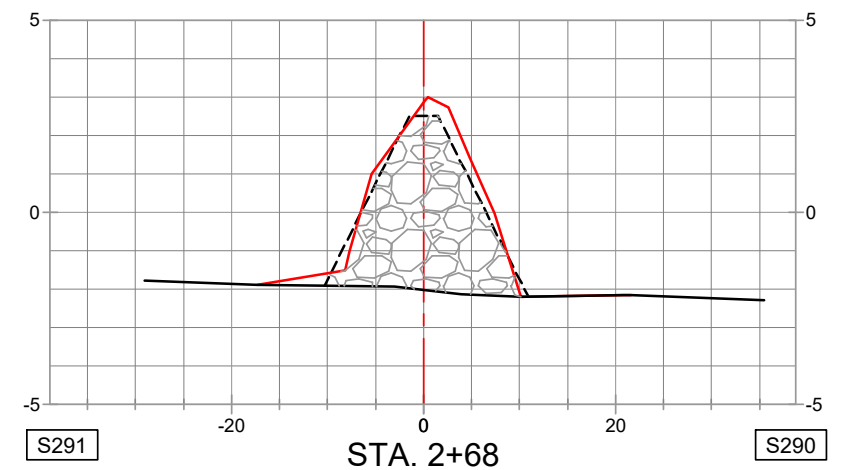
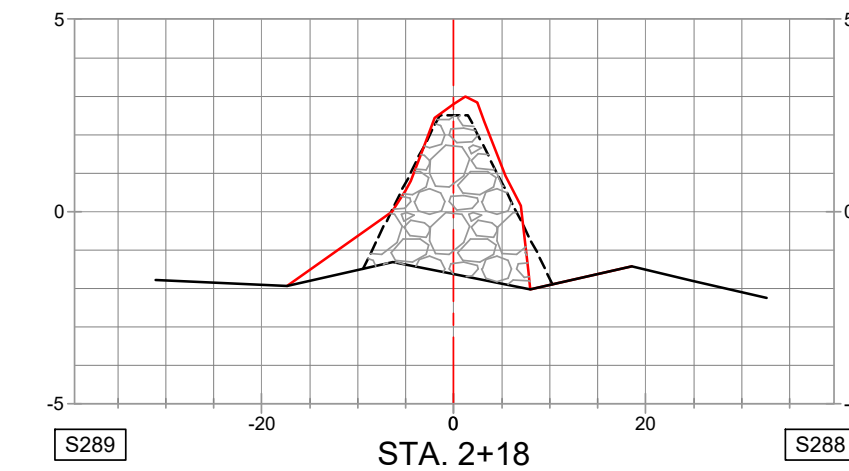
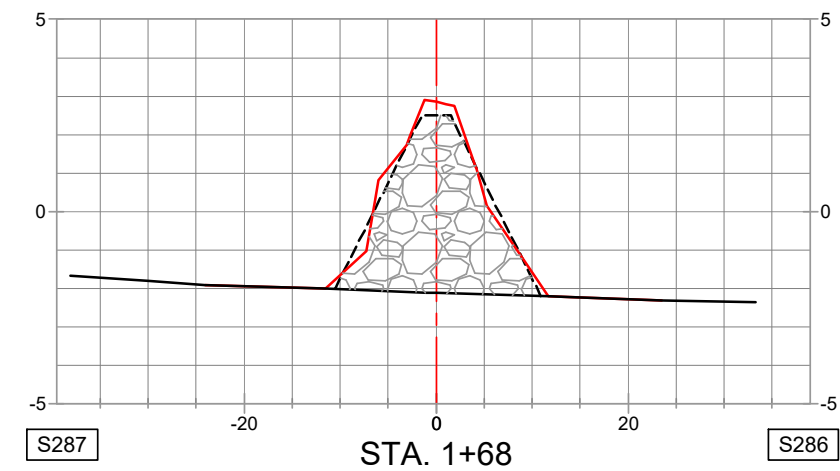
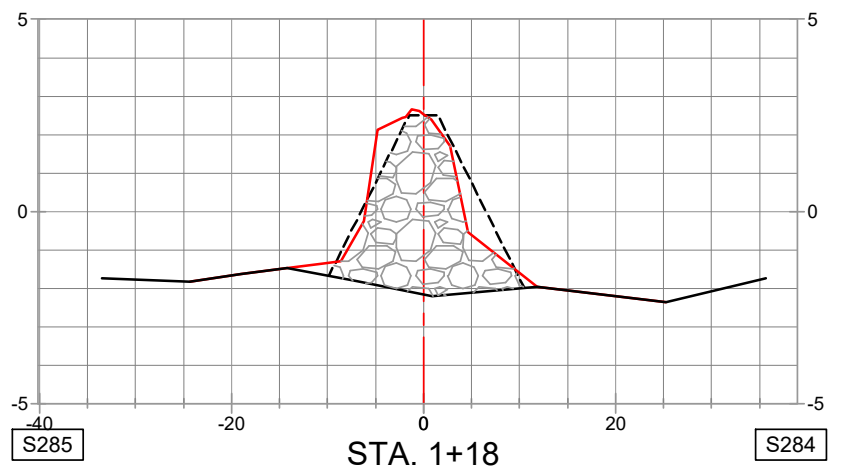
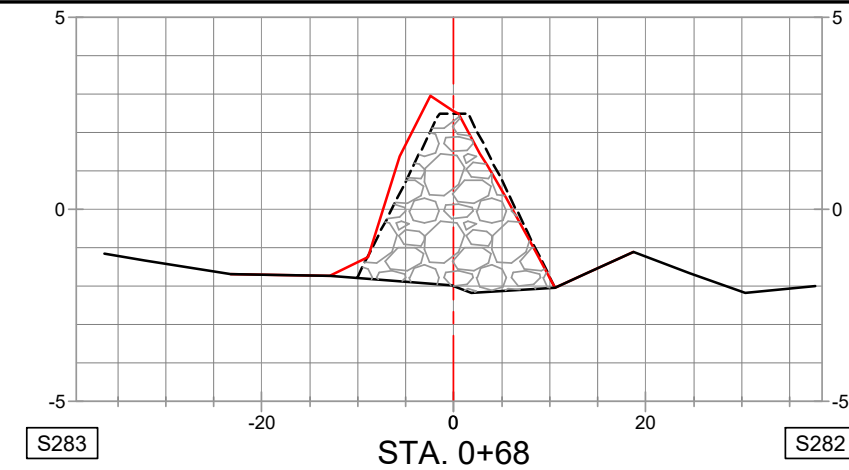
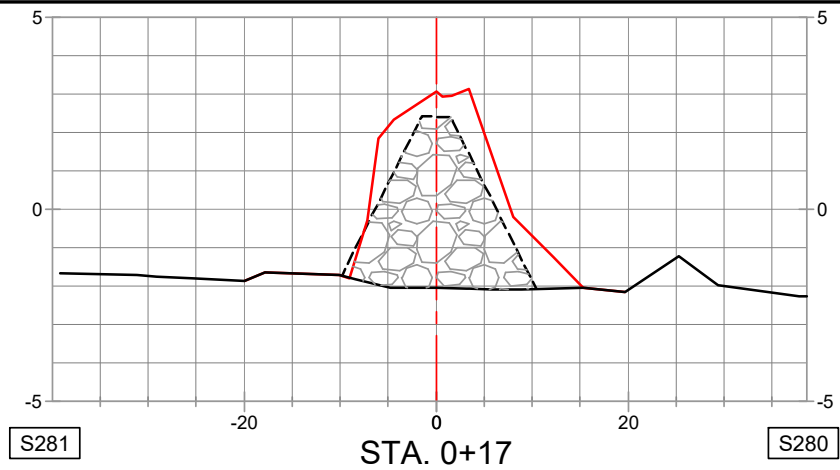
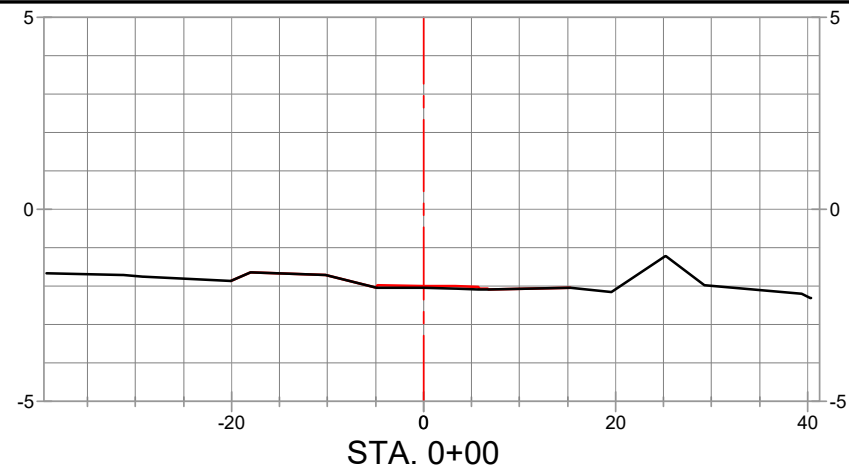
REVISED BY:	DATE:
HORIZONTAL SCALE	

**CRAWLEY'S**  
SHORELINE CONSTRUCTION INC.  
281-383-3665

**SITE 2 - ADDITIVE 3 BREAKWATERS**

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
COMPILED AS-BUILTS  
*GALVESTON BAY FOUNDATION*  
*DOLLAR BAY MARSH RESTORATION*  
SITE 2 - ADDITIVE 3 BW11 SURVEY PLAN VIEW  
GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583



**NOTES**

- 1.) BREAKWATER TEMPLATE CROWN ELEVATION SHOWN IS +2.5' NAVD88.
- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

- PRE-CONSTRUCTION SURVEY (03/05/2021 & 04/06/2021)
- AS-BUILT SURVEY (05/17/2021 & 05/18/2021)
- - - TEMPLATE
- ▨ VOLUME IN PLACE WITHIN TEMPLATE
- · - · - BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE  
 20' 0' 10' 20'

VERTICAL SCALE  
 5' 0' 2.5' 5'

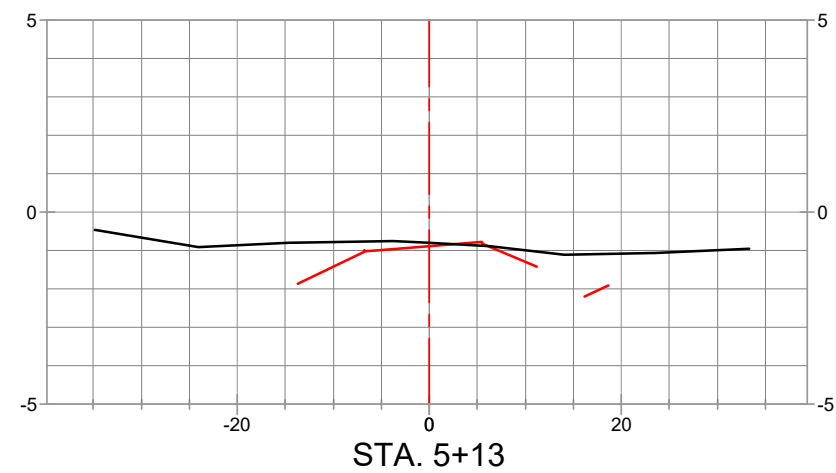
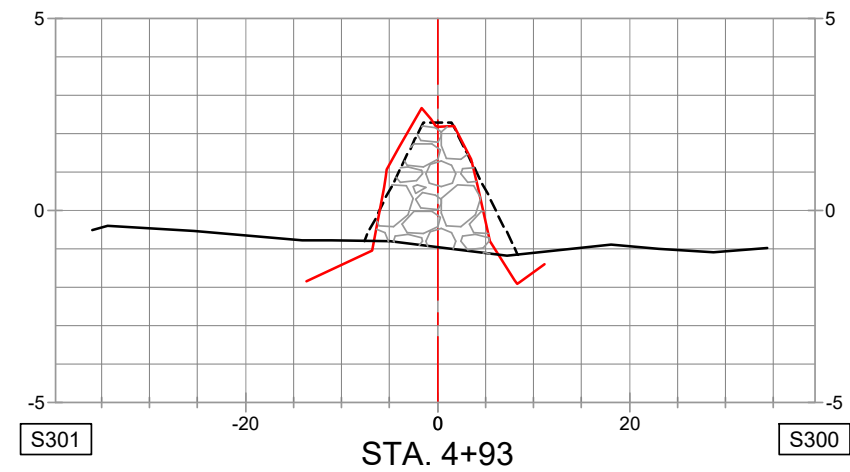
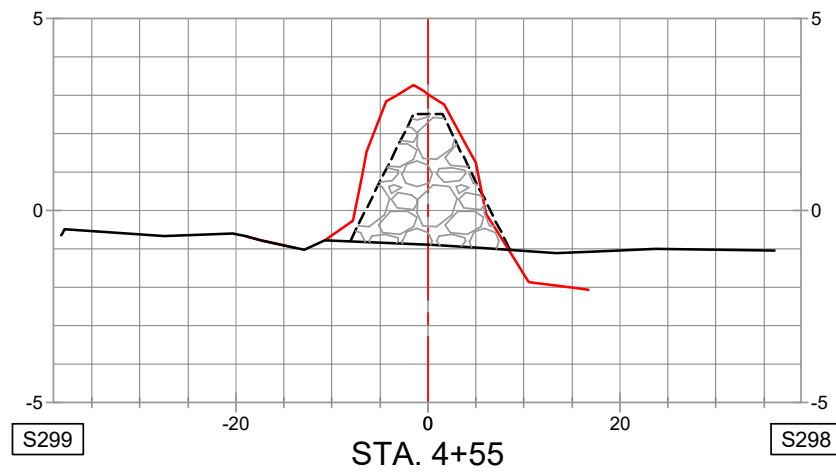
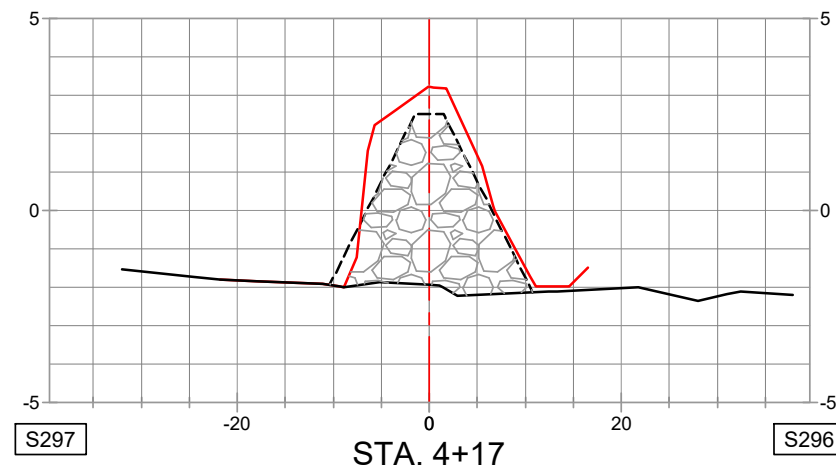
DATE: 06/09/2021 JOB# 2201113

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

FILE: Dollar Bay Marsh - Compiled As-Built.dwg

**CRAWLEY'S SHORELINE CONSTRUCTION INC.**  
**COMPILED AS-BUILTS**  
**GALVESTON BAY FOUNDATION**  
**DOLLAR BAY MARSH RESTORATION**  
 SITE 2 - ADDITIVE 3 BW11 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS

SHEET: 110 OF 112



Site 2 - Additive 3 BW11  
Volume in Place Within  
Template

Station	Area	Volume	Cumulative Volume
0+00.20	0.00	0.00	0.00
0+17.33	51.93	16.47	16.47
0+67.84	51.38	96.64	113.11
1+17.93	47.68	91.88	205.00
1+67.75	54.42	94.19	299.19
2+17.57	44.66	91.42	390.60
2+67.65	53.37	90.92	481.53
3+18.16	53.92	100.35	581.88
3+67.89	56.95	102.10	683.98
4+17.45	52.96	101.02	785.00
4+55.25	32.79	60.02	845.02
4+93.04	27.31	42.06	887.08
5+12.84	0.00	10.01	897.10



**NOTES**

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- BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

**LEGEND**

- PRE-CONSTRUCTION SURVEY (03/05/2021 & 04/06/2021)
- AS-BUILT SURVEY (05/17/2021 & 05/18/2021)
- TEMPLATE
- VOLUME IN PLACE WITHIN TEMPLATE
- BREAKWATER ALIGNMENT

REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

HORIZONTAL SCALE

VERTICAL SCALE

DATE: 06/09/2021      JOB# 2201113

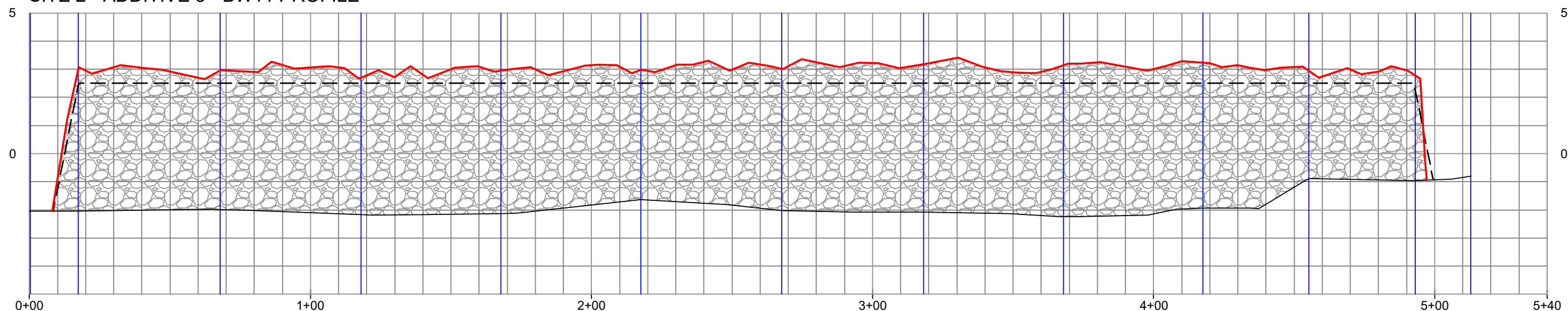
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FILE: Dollar Bay Marsh - Compiled As-Builts.dwg

CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 2 - ADDITIVE 3 BW11 CROSS-SECTION VIEWS  
 GALVESTON COUNTY, TEXAS

SHEET: 111 OF 112

SITE 2 - ADDITIVE 3 - BW11 PROFILE



NOTES

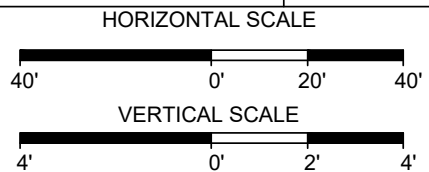
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- 2.) BREAKWATER TEMPLATE SIDE SLOPES SHOWN ARE 2H:1V.

LEGEND

- PRE-CONSTRUCTION SURVEY
- AS-BUILT SURVEY
- TEMPLATE
- VOLUME IN PLACE
- SURVEYED CROSS-SECTION

REVISED BY:

DATE:



CRAWLEY'S SHORELINE CONSTRUCTION INC.  
 COMPILED AS-BUILTS  
 GALVESTON BAY FOUNDATION  
 DOLLAR BAY MARSH RESTORATION  
 SITE 2 - ADDITIVE 3 BW11 PROFILE VIEW  
 GALVESTON COUNTY, TEXAS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 212 JACOBS RUN, SCOTT, LA 70583

DATE: 06/09/2021

JOB# 2201113

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SHEET: 112 OF 112