Horizontal Datum NAD83(2011) LSZ(1702)Ft
Vertical Datum NAVD88 Height (Geoid 12a) Ft

PLAN

1,000 0 1,000 2,000
U.S. SURVEY FEET (1"=1,000')

LEGEND

T-1 - T-68	MARSH TRANSECTS
T-69 - T-78	LAKE TRANSECTS
T-79 - T114	CL 1 TRANSECTS
T-115- T121	CL 2 TRANSECTS
M-1 TO M-28	MAG LINES

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

BAYOU DECADE RIDGE AND MARSH CREATION RESTORATION (TE-0138)

Terrebonne Parish, Louisiana

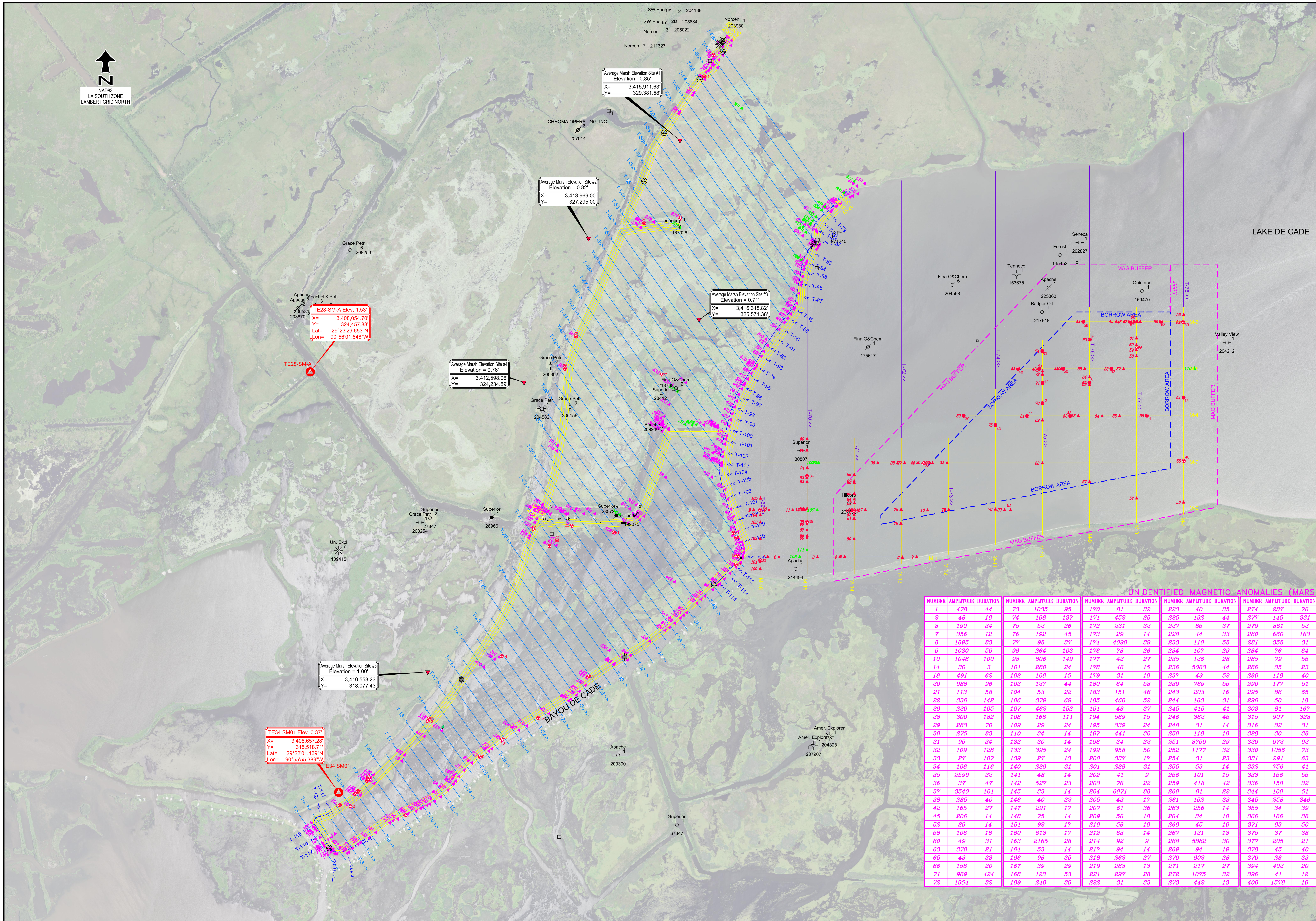
PREPARED BY: OCEANEERING

OCEANEERING INTERNATIONAL, INC.
730 E. KALISTE SALOOM RD.
LAFAYETTE, LA 70508
(337) 210-0000
LA Reg. No. 747

JOB No: 186333		DATE: April 26, 2018	
DRW: REP	CKD: AO	SHEET 1 of 13	REV. 0
FILE: 186333-OII-DRW-DET-001.DWG			

M. J. BREAUX
PROFESSIONAL LAND SURVEYOR
LOUISIANA REGISTRATION NO. 4497

SIZE: 34" X 22" DATE: 04/26/2018 TIME: 14:58 FILENAME: L:\CPRA\186333-BAYOU DE CADE\186333-OII-DRW-DET-001.DWG



UNIDENTIFIED MAGNETIC ANOMALIES (BORROW AREA)

NUMBER	AMPLITUDE	DURATION	NUMBER	AMPLITUDE	DURATION	NUMBER	AMPLITUDE	DURATION
1	165	39	36	1389	42	71	92	54
2	35	36	37	555	9	72	31	39
3	201	142	38	106	18	73	24	20
4	8	6	39	60	16	74	741	41
5	91	8	40	3790	26	75	121	32
6	22	60	41	333	38	76	40	20
7	18	83	42	2038	39	77	219	42
8	1304	66	43	77	13	78	120	33
9	121	58	44	225	46	79	112	34
10	66	33	45	275	18	80	111	33
11	368	51	46	78	22	81	115	25
12	24	29	47	60	27	82	150	31
13	175	16	48	732	34	83	59	23
14	1152	34	49	55	10	84	78	36
15	156	21	50	122	25	85	130	42
16	117	17	51	247	28	86	64	32
17	362	18	52	53	8	87	40	24
18	28	12	53	135	28	88	26	53
19	57	41	54	2914	17	89	264	49
20	8896	48	55	81	33	90	138	33
21	98	27	56	112	67	91	34	29
22	62	94	57	249	36	92	22	26
23	1587	40	58	44	8	93	67	23
24	141	22	59	84	19	94	38	118
25	3941	45	60	38	31	95	15	25
26	119	38	61	38	9	96	36	65
27	29	14	62	692	34	97	36	27
28	339	26	63	66	16	98	44	32
29	1226	73	64	513	27	99	1396	35
30	659	23	65	66	19	100	163	102
31	478	26	66	1511	17	101	44	19
32	137	38	67	934	23	102	27	29
33	43	47	68	196	37	103	28	36
34	38	39	69	26	38	104	38	25
35	37	14	70	129	39	105	15	17

IDENTIFIED MAGNETIC ANOMALIES

NUMBER	AMPLITUDE	DURATION
23	3049	127
24	413	75
25	752	72
276	1134	397
298	357	214
335	754	283
381	1168	151
596	151	82
601	985	114
602	3219	163
603	927	69
604	37	36
605	64	57
606	1681	82
607	249	136
608	32	109
611	1684	46
617	587	82

UNIDENTIFIED MAGNETIC ANOMALIES (MARSH AREA)

NUMBER	AMPLITUDE	DURATION	NUMBER	AMPLITUDE	DURATION	NUMBER	AMPLITUDE	DURATION	NUMBER	AMPLITUDE	DURATION
1	478	44	73	1035	95	170	81	32	223	40	35
2	48	16	74	198	137	171	452	25	225	192	44
3	190	34	75	52	26	172	231	32	227	85	37
7	356	12	76	192	45	173	29	14	228	44	33
8	1895	83	77	95	37	174	4090	39	233	110	55
9	1030	59	96	264	103	176	78	26	234	107	29
10	1046	100	98	806	149	177	42	27	235	126	28
14	30	3	101	280	24	178	46	15	236	5063	44
18	491	62	102	106	15	179	31	10	237	49	52
20	988	96	103	127	44	180	64	53	239	769	55
21	113	58	104	53	22	183	151	46	243	203	16
22	336	142	106	379	69	185	460	52	244	163	31
26	229	105	107	462	152	191	48	37	245	415	41
28	300	182	108	168	111	194	569	15	246	362	45
29	283	70	109	29	24	195	339	24	248	31	14
30	275	83	110	34	14	197	441	30	250	118	16
31	95	34	132	30	14	198	34	22	251	3759	29
32	109	128	133	395	24	199	958	50	252	1177	32
33	27	107	139	27	13	200	337	17	254	31	23
34	108	116	140	226	31	201	228	31	255	53	14
35	2599	22	141	48	14	202	41	9	256	101	15
36	37	47	142	527	23	203	76	22	259	418	42
37	3540	101	145	33	14	204	6071	88	260	61	22
38	285	40	146	40	22	205	43	17	261	152	33
42	165	27	147	291	17	207	61	36	263	256	14
45	206	14	148	75	14	209	56	18	264	34	10
52	29	14	151	92	17	210	58	10	266	45	19
58	106	18	160	613	17	212	63	14	267	121	13
60	49	31	163	2165	28	214	92	9	268	5882	30
63	370	21	164	53	14	217	94	14	269	94	19
65	43	33	166	98	35	218	262	27	270	602	28
66	158	20	167	39	29	219	263	13	271	217	27
71	969	424	168	123	53	221	297	28	272	1075	32
72	1954	32	169	240	39	222	31	33	273	442	13

NUMBER	AMPLITUDE	DURATION	NUMBER	AMPLITUDE	DURATION	NUMBER	AMPLITUDE	DURATION	NUMBER	AMPLITUDE	DURATION
274	287	76	413	572	95	473	30	22	510	1217	70
277	145	331	416	164	16	474	10941	103	512	402	84
279	361	52	420	128	23	475	14704	36	513	275	64
280	660	163	426	36	5	476	15379	182	514	525	159
281	355	31	427	33	6	477	329	51	515	523	294
284	76	64	428	363	118	478	65	42	516	83	47
285	79	55	430	42	20	479	101	29	517	32	13
286	35	23	432	38	35	480	57	13	526	190	27
289	118	40	438	166	25	481	173	138	527	550	24
290	177	51	442	3154	79	482	286	50	528	42	18
295	86	65	444	115	60	483	239	128	529	31	28
296	50	18	445	283	49	484	237	87	530	172	60
303	81	167	446	112	18	485	1824	136	531	186	35
315	907	323	447	67	28	486	130	89	534	36	20
316	32	31	448	515	63	487	91	33	535	42	43
328	30	38	450	143	39	488	158	24	536	86	42
329	972	92	451	36	8	489	206	58	539	156	20
330	1056	73	452	1626	57	490	46	99	544	223	20
331	291	63	453	33	658	491	55	103	548	443	33
332	756	41	456	1385	28	492	1494	97	549	109	13
333	156	55	457	622	50	494	30	101	550	326	23
336	158	32	458	84	20	496	27	38	557	153	17
344	100	51	459	60	17	497	53	11	560	2159	137
345	258	346	461	398	49	498	724	64	575	99	110
355	34	39	462	245	34	499	73	13	600	216	18
366	186	38	463	85	51	500	94	84	609	43	105
371	63	50	464	1190	72	501	287	28	610	51	70
375	37	38	465	314	24	502	249	168	613	88	14
377	205	21	466	635	50	504	32	10	616	933	9
378	45	40	467	2289	45	505	71	66	620	826	32
379	28	33	468	116	15	506	317	34			
394	402	20	469	1263	32	507	48	29			
396	41	12	470	164	20	508	1345	43			
400	1576	19	471	101	18	509	1377	24			

PLAN

1,000 0 1,000 2,000
U.S. SURVEY FEET (1"=1,000')

Horizontal Datum NAD83(2011) LSZ(1702)Ft
Vertical Datum NAVD88 Height (Geoid 12a) Ft

NOTE: ALL MAG ANOMALIES WERE INVESTIGATED SEE SHEETS 3 AND 4 FOR MORE DETAILS.

LEGEND

T-1 - T-68	MARSH TRANSECTS
T-69 - T-78	LAKE TRANSECTS
T-79 - T114	CL 1 TRANSECTS
T-115- T121	CL 2 TRANSECTS
M-1 TO M-28	MAG LINES

CPRA
COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

BAYOU DECADE RIDGE AND MARSH CREATION RESTORATION (TE-0138)

Terrebonne Parish, Louisiana

PREPARED BY: OCEANEERING®
OCEANEERING INTERNATIONAL, INC.
730 E. KALISTE SALOOM RD.
LAFAYETTE, LA 70508
(337) 210-0000
LA Reg. No. 747

JOB No: 186333
DATE: April 27, 2018
DRW: REP CKD: AO
FILE: 186333-OII-DRW-DET-001-02.DWG

REV. 0

EXISTING 4"

POINT	X COORDINATE	Y COORDINATE	WATER DEPTH	COVER
1	3,416,937.66'	331,637.38'	0.0'	RISER
2	3,416,949.17'	331,671.25'	0.1'	N/A
3	3,416,965.49'	331,684.39'	0.1'	N/A
4	3,417,081.32'	331,576.59'	0.1'	2.0'
5	3,417,092.90'	331,480.55'	0.1'	1.0'
6	3,417,020.35'	331,363.23'	0.1'	N/A
7	3,416,966.71'	331,279.86'	0.1'	N/A
8	3,416,864.28'	331,143.90'	0.1'	N/A
9	3,416,797.20'	331,027.35'	0.1'	N/A
10	3,416,753.36'	330,943.76'	0.1'	N/A
11	3,416,754.57'	330,918.02'	0.1'	4.0'
12	3,416,824.34'	330,782.37'	0.1'	3.0'
13	3,416,894.78'	330,645.93'	0.1'	3.5'
14	3,416,969.90'	330,501.24'	0.1'	3.0'
15	3,417,028.40'	330,390.47'	2.0'	2.0'
16	3,417,102.68'	330,249.89'	2.0'	0.7'
17	3,417,160.34'	330,135.83'	0.1'	4.0'
18	3,417,223.17'	330,019.77'	1.0'	2.2'
19	3,417,264.76'	329,940.74'	2.0'	1.8'
20	3,417,328.15'	329,821.45'	3.0'	1.0'
21	3,417,405.18'	329,675.74'	3.0'	0.9'
22	3,417,481.36'	329,532.23'	3.0'	0.0'
23	3,417,558.07'	329,377.84'	3.5'	0.0'
24	3,417,625.73'	329,243.52'	3.0'	1.0'
25	3,417,717.21'	329,075.03'	2.0'	1.0'
26	3,417,821.55'	328,877.19'	2.0'	1.8'
27	3,417,908.78'	328,716.44'	2.0'	1.9'
28	3,417,983.80'	328,566.88'	0.1'	3.3'
29	3,418,047.20'	328,445.67'	1.0'	2.7'
30	3,418,132.04'	328,285.35'	1.2'	2.5'
31	3,418,215.06'	328,126.59'	2.0'	2.0'
32	3,418,284.93'	327,994.46'	2.0'	2.0'
33	3,418,353.35'	327,863.32'	2.0'	2.0'
34	3,418,432.17'	327,711.94'	1.0'	2.5'
35	3,418,508.11'	327,569.85'	0.1'	3.9'
36	3,418,569.48'	327,459.52'	2.0'	2.8'
37	3,418,628.33'	327,361.11'	0.0'	3.0'
38	3,418,674.55'	327,290.11'	0.0'	2.3'
39	3,418,691.63'	327,267.68'	0.0'	1.5'
40	3,418,717.53'	327,233.23'	0.0'	N/A
41	3,418,712.76'	327,225.60'	0.0'	N/A

EXISTING 4"

POINT	X COORDINATE	Y COORDINATE	WATER DEPTH	COVER
42	3,415,700.60'	329,728.47'	N/A	2.4'
43	3,415,686.25'	329,737.20'	N/A	4.9'
44	3,415,680.83'	329,741.05'	N/A	5.0'
45	3,415,759.04'	329,800.74'	N/A	3.3'
46	3,415,852.24'	329,923.31'	N/A	3.1'
47	3,415,935.29'	330,039.10'	N/A	2.6'
48	3,416,004.20'	330,135.06'	N/A	3.0'
49	3,416,080.31'	330,240.66'	N/A	2.8'
50	3,416,141.63'	330,326.85'	N/A	2.5'
51	3,416,207.56'	330,418.40'	N/A	3.0'
52	3,416,258.97'	330,488.68'	N/A	3.4'
53	3,416,304.91'	330,553.89'	N/A	2.6'
54	3,416,352.63'	330,621.34'	N/A	2.8'
55	3,416,418.11'	330,710.84'	N/A	3.0'
56	3,416,480.67'	330,774.69'	N/A	1.5'
57	3,416,543.13'	330,852.76'	N/A	0.4'
58	3,416,603.35'	330,912.42'	N/A	1.3'
59	3,416,627.09'	330,959.32'	N/A	0.0'
60	3,416,710.49'	331,106.28'	N/A	0.0'
61	3,416,739.97'	331,148.85'	N/A	2.0'
62	3,416,790.72'	331,211.96'	N/A	2.5'
63	3,416,835.01'	331,270.59'	N/A	2.3'
64	3,416,892.47'	331,350.68'	N/A	2.5'
65	3,416,933.42'	331,409.67'	N/A	2.7'
66	3,416,987.17'	331,476.47'	N/A	4.0'
67	3,417,035.96'	331,538.82'	N/A	4.7'
68	3,417,093.05'	331,610.46'	N/A	5.0'
69	3,417,179.94'	331,710.21'	N/A	5.2'

EXISTING 8"

POINT	X COORDINATE	Y COORDINATE	WATER DEPTH	COVER
70	3,419,698.51'	328,366.26'	1.0'	3.9'
71	3,419,555.09'	328,293.23'	1.0'	4.0'
72	3,419,408.53'	328,207.51'	1.0'	3.2'
73	3,419,270.51'	328,116.08'	1.0'	4.0'
74	3,419,074.72'	327,988.56'	1.0'	3.0'
75	3,418,939.82'	327,906.15'	0.0'	4.0'
76	3,418,810.41'	327,808.92'	0.0'	4.5'
77	3,418,741.10'	327,728.23'	0.0'	4.0'
78	3,418,682.80'	327,576.69'	0.3'	2.9'
79	3,418,678.45'	327,430.26'	0.0'	2.0'
80	3,418,695.38'	327,313.21'	0.0'	6.0'
81	3,418,716.19'	327,224.65'	0.0'	N/A

EXISTING 3 & 4" FLOWLINES

POINT	X COORDINATE	Y COORDINATE	WATER DEPTH	COVER
82	3,415,609.14'	323,419.97'	0.0'	RISER
83	3,415,679.19'	323,398.69'	0.0'	5.0'
84	3,415,728.50'	323,390.89'	0.0'	3.0'
85	3,415,900.16'	323,375.89'	0.0'	5.0'
86	3,416,021.20'	323,364.25'	0.0'	5.0'
87	3,416,208.99'	323,344.11'	0.0'	5.0'
88	3,416,367.62'	323,329.63'	0.0'	4.5'
89	3,416,474.98'	323,320.81'	0.0'	4.0'
90	3,416,666.97'	323,301.73'	0.5'	3.5'
91	3,416,780.88'	323,290.16'	0.0'	5.0'
92	3,416,899.51'	323,276.53'	0.0'	5.0'
93	3,416,942.28'	323,271.87'	0.3'	3.8'
94	3,416,946.52'	323,273.26'	0.0'	N/A
95	3,416,950.50'	323,282.81'	0.0'	N/A
96	3,416,958.40'	323,374.86'	0.5'	4.0'
97	3,416,970.84'	323,474.85'	0.0'	6.1'
98	3,416,989.96'	323,562.34'	0.5'	6.1'
99	3,417,031.82'	323,753.67'	0.0'	6.3'
100	3,417,100.64'	323,947.78'	0.0'	7.0'
101	3,417,161.67'	324,068.47'	0.0'	7.1'
102	3,417,217.61'	324,167.77'	0.0'	7.3'
103	3,417,276.95'	324,260.16'	0.0'	7.2'
104	3,417,324.45'	324,335.26'	0.0'	7.0'
105	3,417,414.79'	324,486.59'	0.0'	7.7'
106	3,417,495.66'	324,621.07'	0.0'	6.0'
107	3,417,514.11'	324,659.55'	0.0'	6.1'
108	3,417,603.29'	324,835.54'	0.0'	6.3'
109	3,417,703.10'	325,018.90'	0.0'	6.3'
110	3,417,813.96'	325,183.21'	0.0'	6.3'
111	3,417,919.84'	325,334.38'	0.0'	6.5'
112	3,417,983.46'	325,413.55'	0.0'	6.8'
113	3,418,046.26'	325,495.98'	0.0'	6.4'
114	3,418,105.32'	325,577.32'	0.0'	7.5'
115	3,418,158.51'	325,647.21'	0.0'	7.2'
116	3,418,270.84'	325,800.33'	0.0'	5.9'
117	3,418,322.41'	325,864.99'	0.0'	6.7'
118	3,418,353.06'	325,922.00'	0.0'	6.2'
119	3,418,385.64'	326,063.09'	0.0'	4.5'
120	3,418,411.31'	326,181.83'	0.0'	6.3'
121	3,418,433.85'	326,299.88'	0.0'	6.4'
122	3,418,454.01'	326,409.78'	0.0'	6.0'
123	3,418,474.91'	326,546.11'	0.1'	6.0'
124	3,418,495.58'	326,675.77'	0.3'	5.7'
125	3,418,540.91'	326,931.85'	0.1'	5.9'
126	3,418,550.18'	326,964.96'	0.1'	5.9'
127	3,418,562.87'	327,010.74'	1.0'	5.0'
128	3,418,590.89'	327,112.65'	1.0'	5.0'
129	3,418,629.09'	327,238.27'	1.0'	3.8'
130	3,418,635.16'	327,257.06'	1.0'	3.0'
131	3,418,675.03'	327,241.06'	0.0'	3.4'

POINT	X COORDINATE	Y COORDINATE	DESCRIPTION
1	3,408,683.59'	315,245.01'	METAL DEBRIS
2	3,408,911.58'	315,222.72'	METAL DEBRIS
3	3,409,009.16'	315,483.02'	METAL DEBRIS
4	3,409,017.22'	315,494.28'	METAL DEBRIS
5	3,409,064.06'	315,545.19'	METAL DEBRIS
6	3,409,263.43'	315,762.70'	METAL DEBRIS
7	3,409,311.14'	315,804.55'	METAL DEBRIS
8	3,410,072.21'	315,030.27'	METAL LADDER
9	3,411,657.86'	316,278.92'	METAL DEBRIS
10	3,412,118.53'	316,636.97'	8IN PIPE
11	3,412,136.38'	316,644.91'	METAL CAGE
12	3,410,547.71'	317,026.36'	METAL DEBRIS
13	3,410,574.69'	317,090.86'	METAL DEBRIS
14	3,412,121.88'	318,413.42'	METAL DEBRIS
15	3,412,899.74'	317,099.73'	METAL CAGE
16	3,413,960.48'	317,981.59'	STEEL CABLE 1IN
17	3,417,098.34'	320,359.82'	METAL DEBRIS
18	3,417,135.90'	320,545.64'	METAL DEBRIS
19	3,417,103.58'	320,935.77'	METAL DEBRIS
20	3,417,047.20'	321,033.55'	METAL DEBRIS
21	3,414,506.00'	321,045.77'	METAL DEBRIS
22	3,413,608.90'	321,185.79'	METAL DEBRIS
23	3,413,298.14'	320,874.25'	METAL DEBRIS
24	3,413,138.77'	320,755.44'	2IN STEEL PIPE
25	3,412,801.22'	321,107.25'	METAL DEBRIS
26	3,413,470.83'	324,520.02'	METAL DEBRIS
27	3,415,518.66'	324,401.02'	METAL DEBRIS
28	3,413,700.83'	325,209.48'	METAL DEBRIS
29	3,415,147.73'	327,616.39'	METAL DEBRIS
30	3,415,919.51'	327,715.33'	METAL DEBRIS
31	3,416,421.98'	330,738.51'	5 FOOT PIPE
32	3,416,623.65'	331,196.65'	1IN PIPE

SURVEY FEATURES

- BUOY
- FOUND METAL DEBRIS
- EXISTING ANCHOR
- AVERAGE MARSH ELEVATION SITE
- SURVEY_GAGE

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

PREPARED BY: OCEANEERING

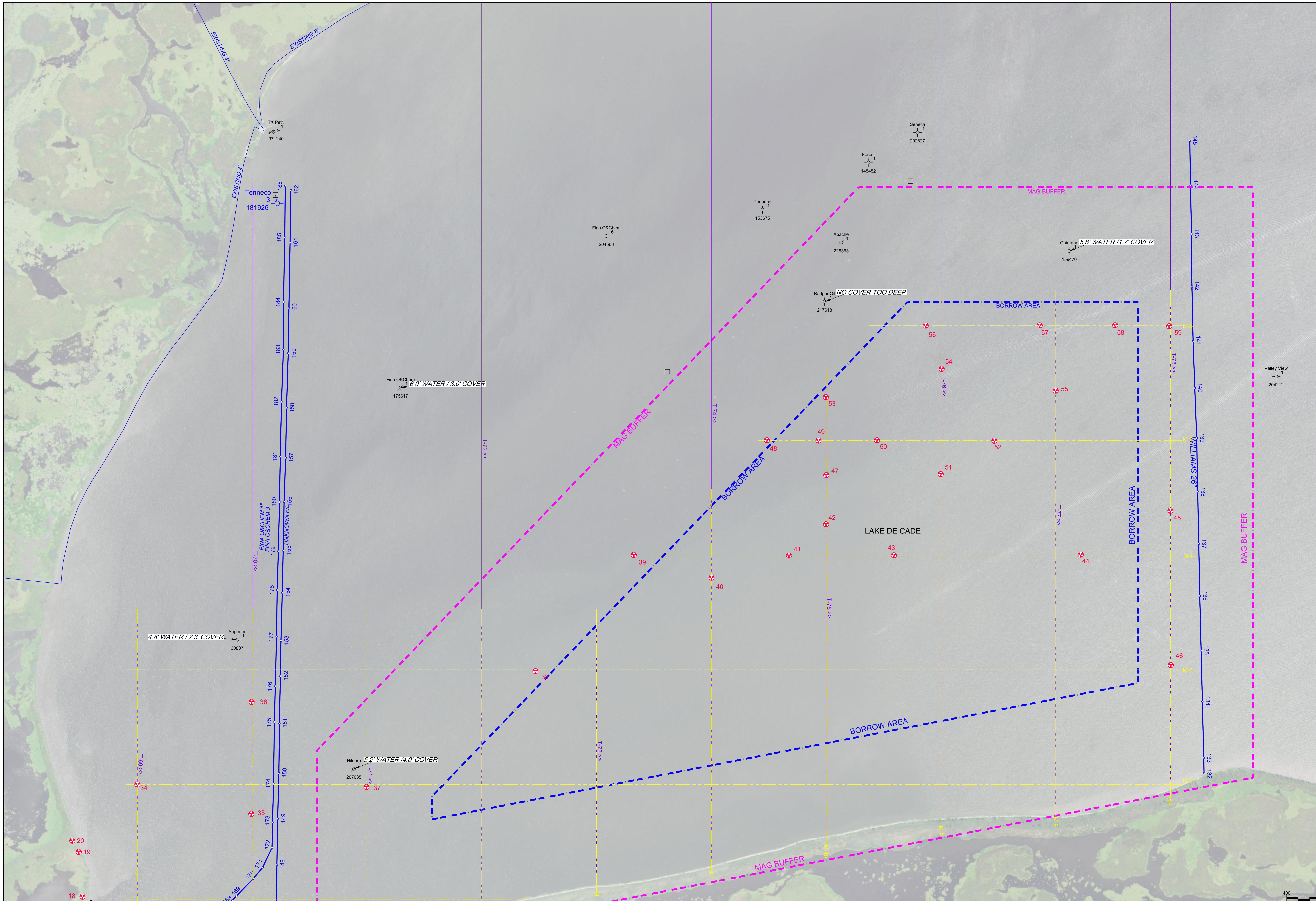
OCEANEERING INTERNATIONAL, INC.
730 E. KALISTE SALOOM RD.
LAFAYETTE, LA 70508
(337) 210-0000
LA Reg. No. 747

BAYOU DECADE RIDGE AND MARSH CREATION RESTORATION (TE-0138)

Terrebonne Parish, Louisiana

JOB No: 186333 | DATE: April 27, 2018
DRW: VIT | CKD: AO
FILE: 186333-OII-DRW-DET-002.DWG | SHEET 3 of 11 | REV. 0

SIZE: 22" X 34" DATE: 04/27/2018 TIME: 12:56 FILENAME: L:\CPRA\186333-BAYOU DE CADE\186333-OII-DRW-DET-002.DWG



26" WILLIAMS

POINT	X COORDINATE	Y COORDINATE	WATER DEPTH	COVER
132	3,426,905.81'	321,622.82'	1.5'	15.7'
133	3,426,903.21'	321,755.70'	8.2'	6.8'
134	3,426,891.59'	322,246.62'	5.2'	8.8'
135	3,426,881.01'	322,690.50'	6.0'	10.0'
136	3,426,868.89'	323,167.46'	6.0'	11.5'
137	3,426,859.95'	323,621.24'	5.9'	9.8'
138	3,426,850.77'	324,078.75'	5.5'	9.2'
139	3,426,842.14'	324,543.24'	5.2'	12.3'
140	3,426,825.24'	324,978.73'	5.5'	13.5'
141	3,426,810.48'	325,388.17'	6.0'	12.2'
142	3,426,800.83'	325,860.96'	8.0'	10.0'
143	3,426,796.86'	326,321.30'	6.2'	10.8'
144	3,426,788.04'	326,747.73'	5.2'	10.5'
145	3,426,782.05'	327,134.55'	5.7'	9.3'

UNKNOWN FL

POINT	X COORDINATE	Y COORDINATE	WATER DEPTH	COVER
146	3,418,817.43'	320,270.16'	6.0'	1.9'
147	3,418,825.95'	320,434.92'	5.0'	4.0'
148	3,418,830.02'	320,822.05'	4.5'	3.3'
149	3,418,836.68'	321,224.06'	5.2'	3.8'
150	3,418,847.42'	321,622.35'	8.0'	3.8'
151	3,418,851.88'	322,055.67'	5.1'	3.8'
152	3,418,859.96'	322,468.46'	5.1'	3.5'
153	3,418,865.19'	322,776.88'	5.1'	4.2'
154	3,418,876.79'	323,194.02'	5.5'	2.3'
155	3,418,884.81'	323,561.40'	5.2'	2.8'
156	3,418,892.44'	323,987.35'	5.4'	1.0'
157	3,418,906.05'	324,371.09'	5.3'	3.4'
158	3,418,913.82'	324,806.78'	5.1'	3.8'
159	3,418,928.64'	325,283.21'	5.6'	3.7'
160	3,418,934.64'	325,676.74'	5.6'	4.2'
161	3,418,944.50'	326,247.25'	5.3'	3.5'
162	3,418,951.22'	326,704.39'	5.8'	3.2'

3" & 1" FINA O&CHEM

POINT	X COORDINATE	Y COORDINATE	WATER DEPTH	COVER
163	3,418,367.79'	320,268.38'	6.0'	2.0'
164	3,418,278.10'	320,278.81'	0.0'	0.0'
165	3,418,253.77'	320,332.48'	5.5'	4.7'
166	3,418,250.70'	320,346.14'	0.0'	0.0'
167	3,418,328.17'	320,411.29'	4.5'	2.6'
168	3,418,441.51'	320,513.83'	5.0'	3.0'
169	3,418,477.48'	320,550.82'	0.0'	0.0'
170	3,418,622.98'	320,701.24'	4.8'	3.4'
171	3,418,706.17'	320,800.34'	0.0'	0.0'
172	3,418,787.11'	320,973.02'	4.5'	3.5'
173	3,418,792.20'	321,194.30'	4.5'	2.5'
174	3,418,800.80'	321,528.06'	8.0'	3.0'
175	3,418,807.79'	322,068.13'	4.5'	3.5'
176	3,418,815.96'	322,381.06'	5.0'	3.5'
177	3,418,826.62'	322,811.64'	5.1'	3.5'
178	3,418,833.03'	323,218.51'	5.0'	4.0'
179	3,418,843.05'	323,557.03'	5.2'	3.8'
180	3,418,852.68'	323,986.27'	5.3'	3.7'
181	3,418,859.57'	324,382.03'	5.2'	3.1'
182	3,418,870.11'	324,858.83'	5.5'	3.0'
183	3,418,886.79'	325,313.94'	5.3'	3.0'
184	3,418,887.18'	325,728.93'	5.5'	3.5'
185	3,418,898.86'	326,292.35'	5.2'	2.8'
186	3,418,902.95'	326,742.08'	5.1'	3.6'

POINT	X COORDINATE	Y COORDINATE	DESCRIPTION
33	3,417,613.89'	320,449.97'	METAL DEBRIS
34	3,417,614.13'	321,523.41'	METAL DEBRIS
35	3,418,606.70'	321,267.07'	METAL DEBRIS
36	3,418,609.58'	322,243.00'	METAL DEBRIS
37	3,419,610.21'	321,501.70'	METAL DEBRIS
38	3,421,081.91'	322,510.69'	METAL DEBRIS
39	3,421,938.42'	323,524.21'	METAL DEBRIS
40	3,422,615.33'	323,326.65'	METAL DEBRIS
41	3,423,290.52'	323,519.55'	METAL DEBRIS
42	3,423,613.65'	323,792.22'	METAL DEBRIS
43	3,424,204.24'	323,520.89'	METAL DEBRIS
44	3,425,832.05'	323,527.46'	METAL DEBRIS
45	3,426,612.43'	323,910.33'	METAL DEBRIS
46	3,426,615.77'	322,564.16'	METAL DEBRIS
47	3,423,615.67'	324,220.12'	METAL DEBRIS
48	3,423,097.25'	324,524.31'	METAL DEBRIS
49	3,423,546.49'	324,521.51'	METAL DEBRIS
50	3,424,047.90'	324,521.51'	METAL DEBRIS
51	3,424,612.36'	324,228.47'	METAL DEBRIS
52	3,425,079.32'	324,520.33'	METAL DEBRIS
53	3,423,612.15'	324,900.88'	METAL DEBRIS
54	3,424,620.23'	325,146.52'	METAL DEBRIS
55	3,425,613.73'	324,956.48'	METAL DEBRIS
56	3,424,481.70'	325,523.97'	METAL DEBRIS
57	3,425,473.98'	325,525.41'	METAL DEBRIS
58	3,426,131.94'	325,526.44'	METAL DEBRIS
59	3,426,602.12'	325,518.95'	METAL DEBRIS

N
NAD83
LA SOUTH ZONE
LAMBERT GRID NORTH

400 0 400 800
U.S. SURVEY FEET (1"=400')

SURVEY FEATURES
BUOY
FOUND METAL DEBRIS
EXISTING ANCHOR
AVERAGE MARSH ELEVATION SITE
SURVEY_GAGE

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

PREPARED BY:
OCEANEERING INTERNATIONAL, INC.
730 E. KALISTE SALOOM RD.
LAFAYETTE, LA 70508
(337) 210-0000
LA Reg. No. 747

BAYOU DECADE RIDGE AND MARSH CREATION RESTORATION (TE-0138)
Terrebonne Parish, Louisiana

JOB: 186333	DRW: VIT	DATE: APRIL 26, 2018	
CKD:	APP: AO	SHEET 4 of 13	REV. 0
DOC: 186333-OII-DRW-DET-003-01			

X-SECTIONS T-2 TO T-4

HORIZONTAL 40' 0' 40' SCALE IN FEET

VERTICAL 20' 0' 20' SCALE IN FEET

X-SECTIONS T-1, T-5 TO T-10
(EXCEPT T-9)

HORIZONTAL 50' 0' 50' SCALE IN FEET

VERTICAL 20' 0' 20' SCALE IN FEET

X-SECTION T-9 TO T-11

HORIZONTAL 60' 0' 60' SCALE IN FEET

VERTICAL 20' 0' 20' SCALE IN FEET

Horizontal Datum NAD83(2011) LSZ(1702)Ft
Vertical Datum NAVD88 Height (Geoid 12a) Ft

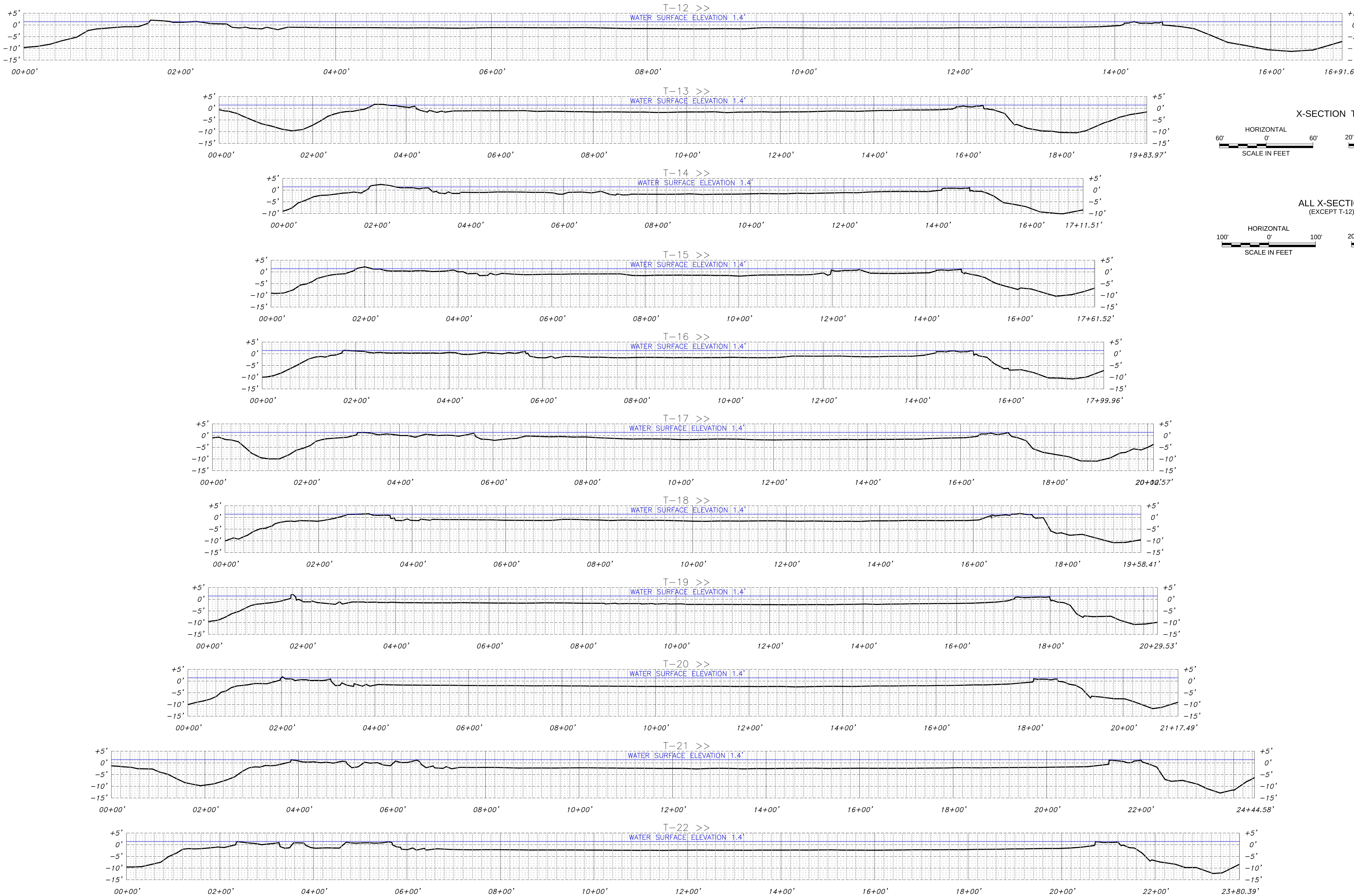
COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

BAYOU DECADE RIDGE AND MARSH CREATION RESTORATION (TE-0138)
TRANSECTS
Terrebonne Parish, Louisiana

PREPARED BY: OCEANEERING INTERNATIONAL, INC.
730 E. KALISTE SALOOM RD.
LAFAYETTE, LA 70508
(337) 210-0000
LA Reg. No. 747

JOB No: 186333		DATE: April 26, 2018	
DRW: VIT	CKD: AO	SHEET 5 of 13	REV. 0
FILE: 186333-OII-DRW-DET-004.DWG			

SIZE: 34" X 22" DATE: 04/27/2018 TIME: 09:05 FILENAME: L:\CPRA\186333-BAYOU DE CADE\186333-OII-DRW-DET-004.DWG



X-SECTION T-12

HORIZONTAL 60' 0' 60' SCALE IN FEET

VERTICAL 20' 0' 20' SCALE IN FEET

ALL X-SECTIONS
(EXCEPT T-12)

HORIZONTAL 100' 0' 100' SCALE IN FEET

VERTICAL 20' 0' 20' SCALE IN FEET

Horizontal Datum NAD83(2011) LSZ(1702)Ft
Vertical Datum NAVD88 Height (Geoid 12a) Ft

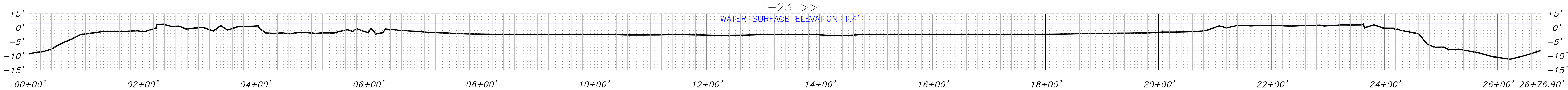
COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

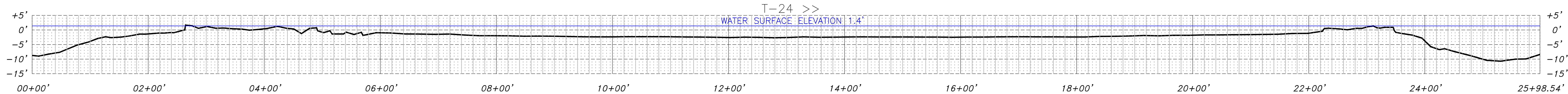
BAYOU DECADE RIDGE AND MARSH CREATION RESTORATION (TE-0138)
TRANSECTS
Terrebonne Parish, Louisiana

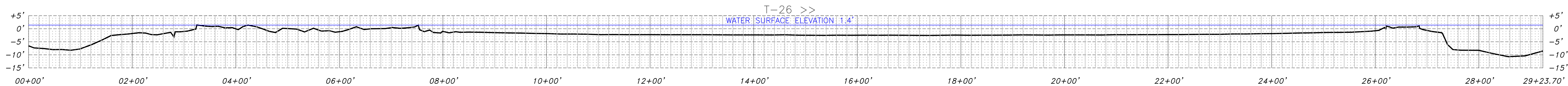
PREPARED BY: OCEANEERING
OCEANEERING INTERNATIONAL, INC.
730 E. KALISTE SALOOM RD.
LAFAYETTE, LA 70508
(337) 210-0000
LA Reg. No. 747

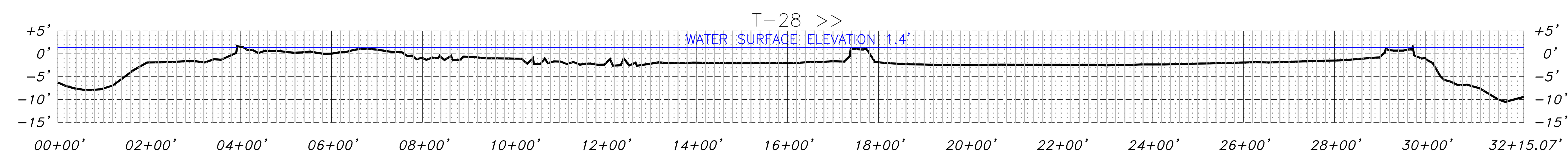
JOB No: 186333		DATE: April 26, 2018
DRW: VIT	CKD: AO	SHEET 6 of 13
FILE: 186333-OII-DRW-DET-004.DWG		REV: 0

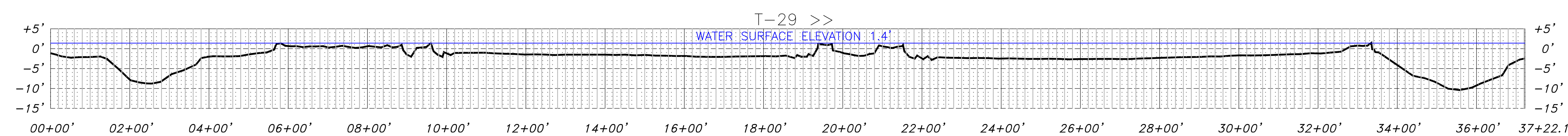
SIZE: 34" X 22" DATE: 04/27/2018 TIME: 09:09 FILENAME: L:\CPRA\186333-BAYOU DE CADE\186333-OII-DRW-DET-004.DWG

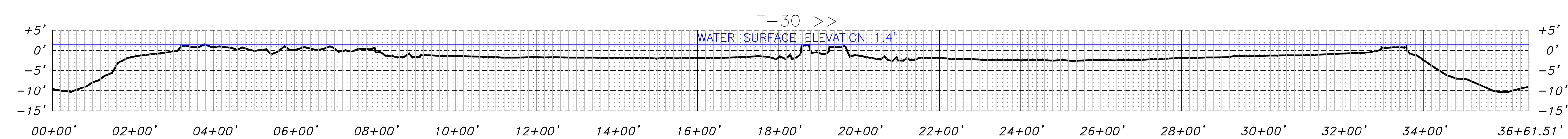


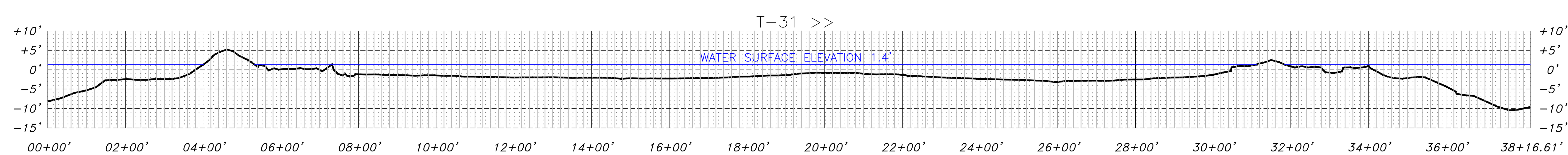


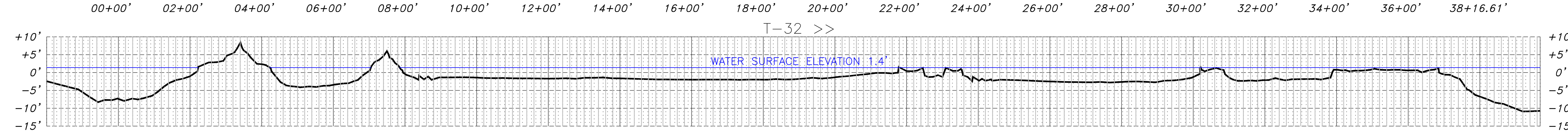


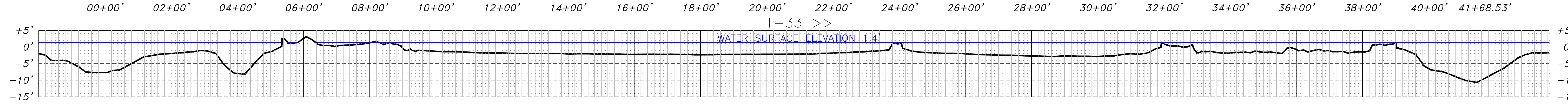


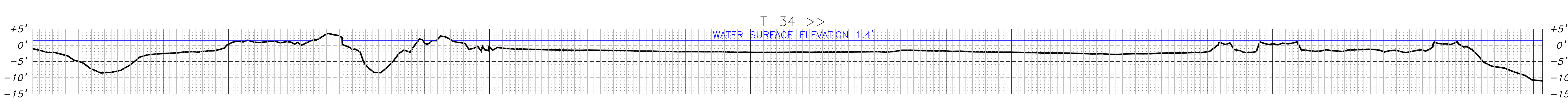












X-SECTION T-23 TO T-27

HORIZONTAL: 100' 0' 100' — SCALE IN FEET

VERTICAL: 20' 0' 20' — SCALE IN FEET

X-SECTION T-28 TO T-34

HORIZONTAL: 200' 0' 200' — SCALE IN FEET

VERTICAL: 20' 0' 20' — SCALE IN FEET

Horizontal Datum NAD83(2011) LSZ(1702)Ft
Vertical Datum NAVD88 Height (Geoid 12a) Ft

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

BAYOU DECADE RIDGE AND MARSH CREATION RESTORATION (TE-0138)
TRANSECTS
Terrebonne Parish, Louisiana

PREPARED BY: OCEANEERING®
OCEANEERING INTERNATIONAL, INC.
730 E. KALISTE SALOOM RD.
LAFAYETTE, LA 70508
(337) 210-0000
LA Reg. No. 747

JOB No: 186333		DATE: April 26, 2018	
DRW: VIT	CKD: AO	SHEET 7 of 13	REV. 0
FILE: 186333-OII-DRW-DET-004.DWG			

SIZE: 34" X 22" DATE: 04/27/2018 TIME: 09:09 FILENAME: L:\CPRA\186333-BAYOU DE CADE\186333-OII-DRW-DET-004.DWG

ALL X-SECTIONS

HORIZONTAL
200' 0' 200'
SCALE IN FEET

VERTICAL
20' 0' 20'
SCALE IN FEET

Horizontal Datum NAD83(2011) LSZ(1702)Ft
Vertical Datum NAVD88 Height (Geoid 12a) Ft

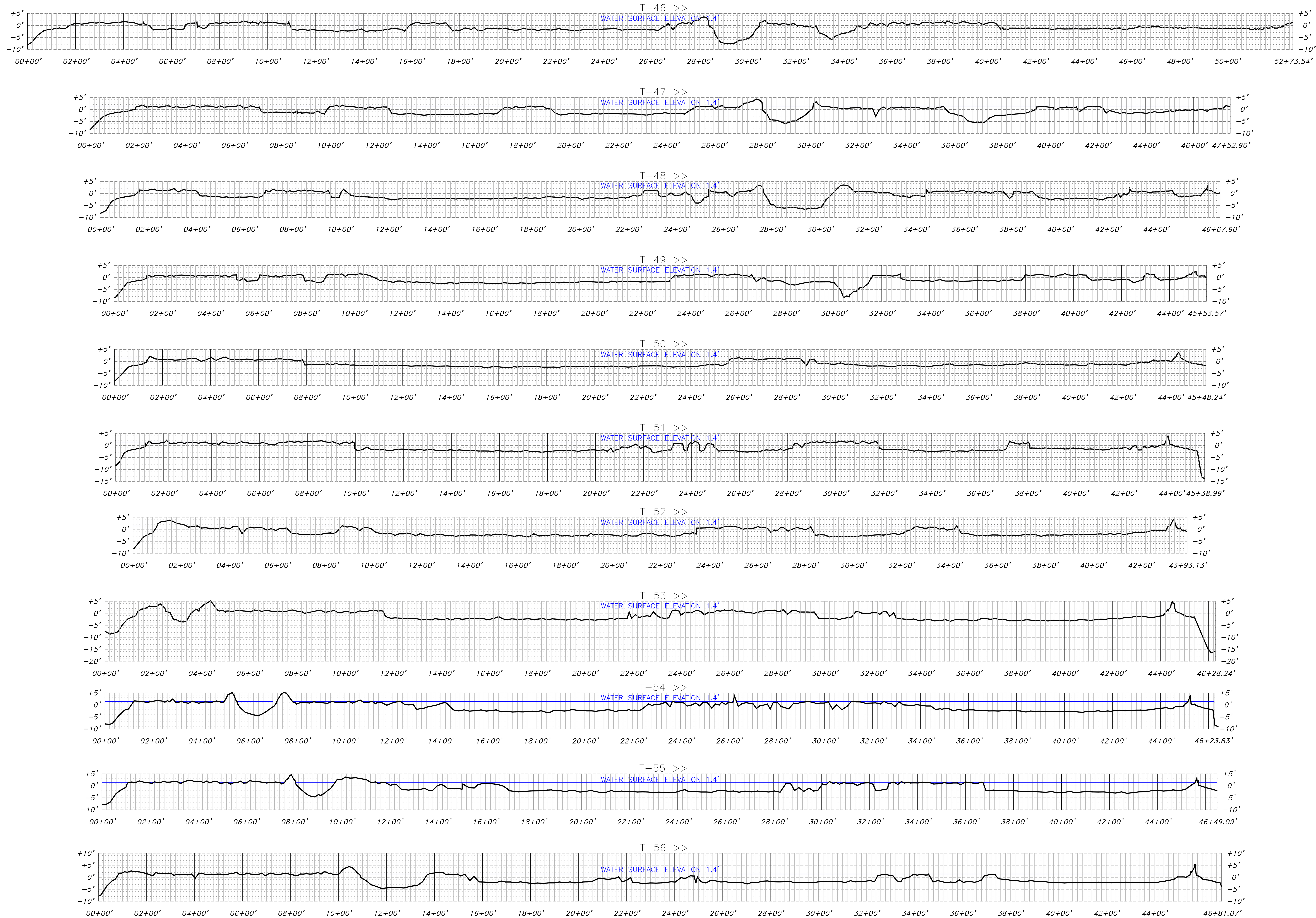
COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

BAYOU DECADE RIDGE AND MARSH CREATION RESTORATION (TE-0138)
TRANSECTS
Terrebonne Parish, Louisiana

PREPARED BY:
OCEANEERING INTERNATIONAL, INC.
730 E. KALISTE SALOOM RD.
LAFAYETTE, LA 70508
(337) 210-0000
LA Reg. No. 747

JOB No: 186333		DATE: April 26, 2018	
DRW: VIT	CKD: AO	SHEET 8 of 13	REV. 0
FILE: 186333-OII-DRW-DET-004.DWG			

SIZE: 34" X 22" DATE: 04/27/2018 TIME: 09:10 FILENAME: L:\CPRA\186333-BAYOU DE CADE\186333-OII-DRW-DET-004.DWG



ALL X-SECTIONS

HORIZONTAL
200' 0' 200'
SCALE IN FEET

VERTICAL
20' 0' 20'
SCALE IN FEET

Horizontal Datum NAD83(2011) LSZ(1702)Ft
Vertical Datum NAVD88 Height (Geoid 12a) Ft

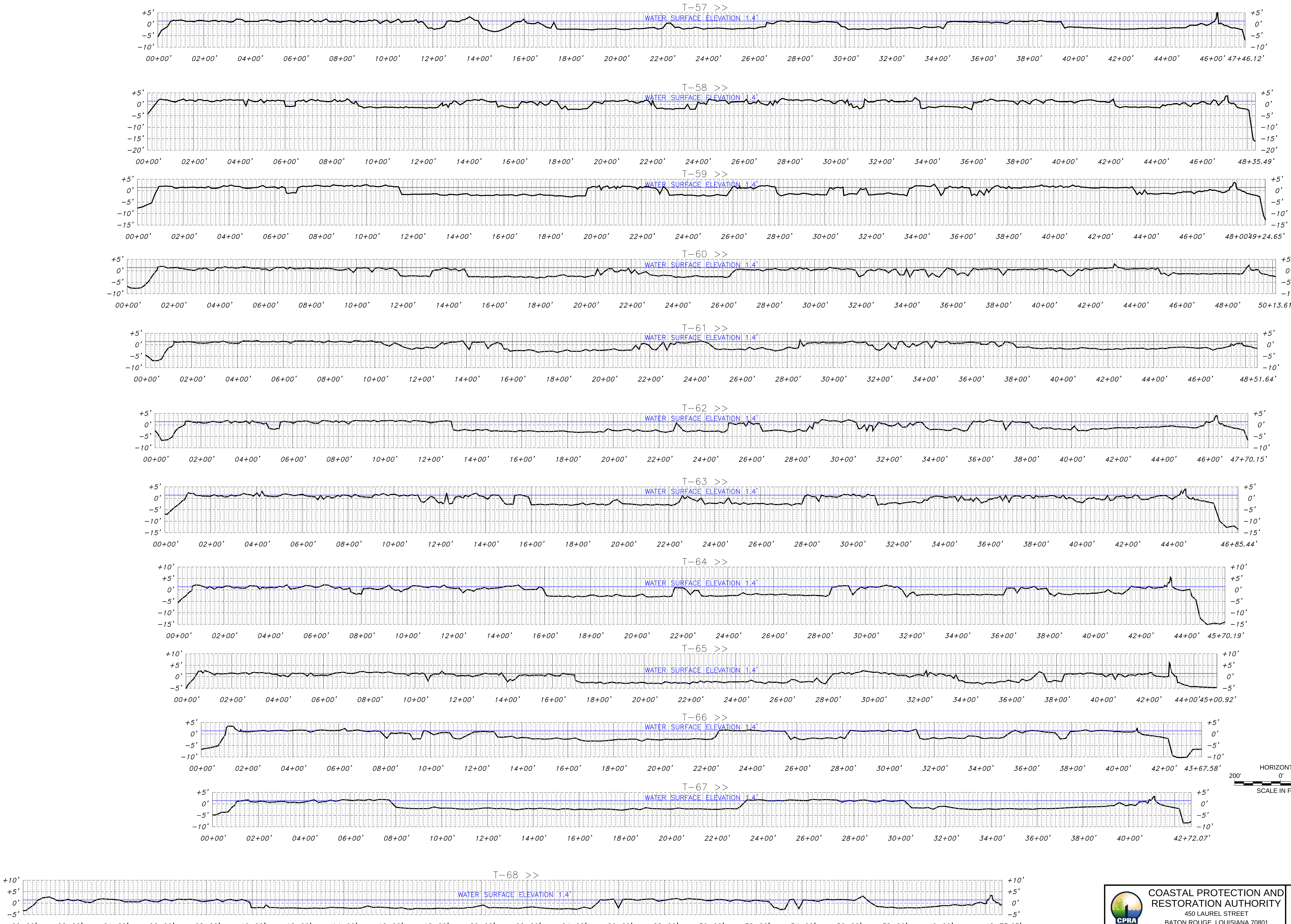
COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

PREPARED BY: OCEANEERING
OCEANEERING INTERNATIONAL, INC.
730 E. KALISTE SALOOM RD.
LAFAYETTE, LA 70508
(337) 210-0000
LA Reg. No. 747

BAYOU DECADE RIDGE AND MARSH CREATION RESTORATION (TE-0138)
TRANSECTS
Terrebonne Parish, Louisiana

JOB No: 186333	DATE: April 26, 2018
DRW: VIT CKD: AO	SHEET 9 of 13 REV: 0
FILE: 186333-OII-DRW-DET-004.DWG	

SIZE: 34" X 22" DATE: 04/27/2018 TIME: 09:11 FILENAME: L:\CPRA\186333-BAYOU DE CADE\186333-OII-DRW-DET-004.DWG



ALL X-SECTIONS

HORIZONTAL
200' 0' 200'
SCALE IN FEET

VERTICAL
20' 0' 20'
SCALE IN FEET

Horizontal Datum NAD83(2011) LSZ(1702)Ft
Vertical Datum NAVD88 Height (Geoid 12a) Ft

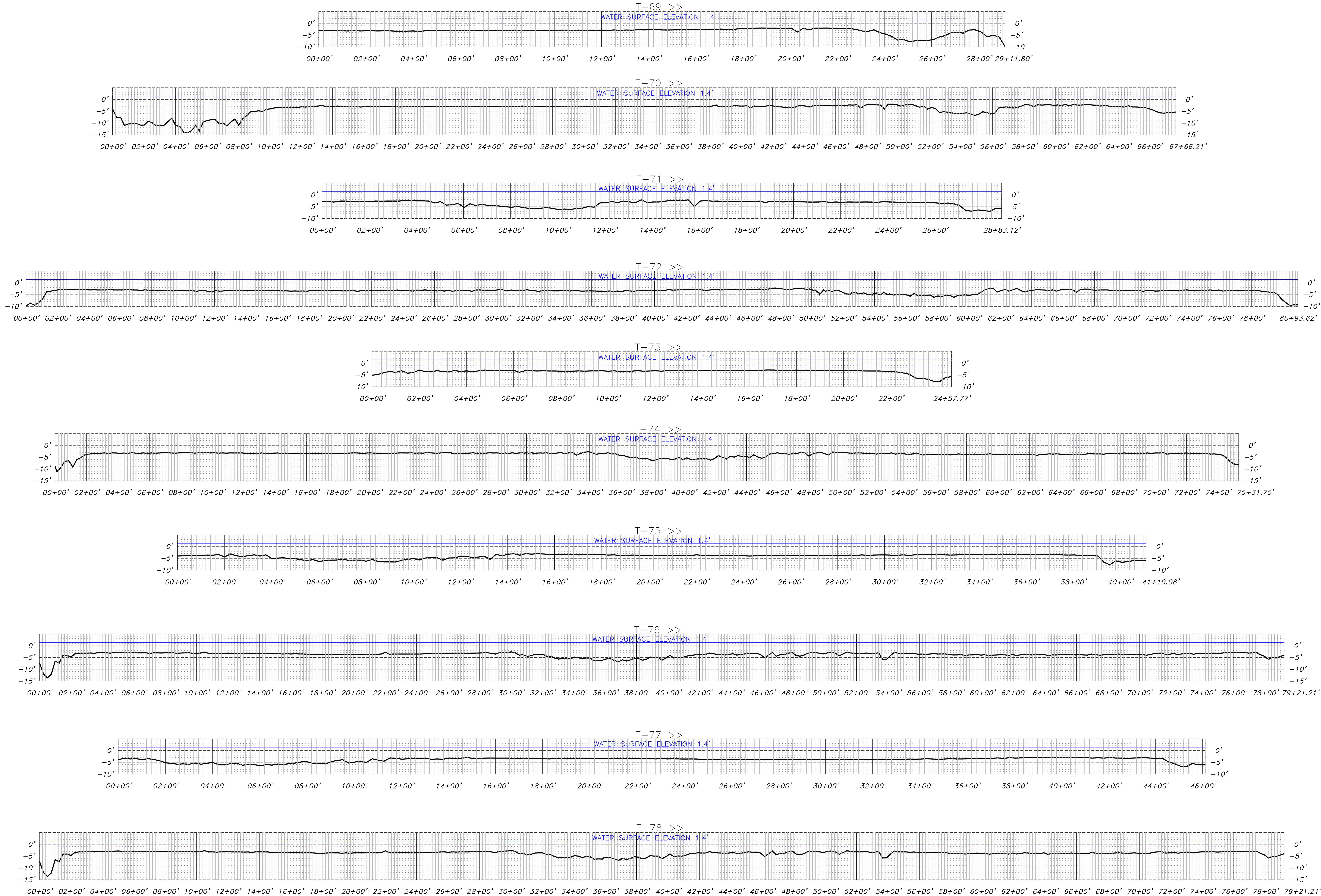
COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

PREPARED BY: OCEANEERING
OCEANEERING INTERNATIONAL, INC.
730 E. KALISTE SALOOM RD.
LAFAYETTE, LA 70508
(337) 210-0000
LA Reg. No. 747

BAYOU DECADE RIDGE AND MARSH CREATION RESTORATION (TE-0138)
TRANSECTS
Terrebonne Parish, Louisiana

JOB No: 186333	DATE: April 26, 2018
DRW: VIT	CKD: AO
FILE: 186333-OII-DRW-DET-004.DWG	SHEET 10 of 13
	REV: 0

SIZE: 34" X 22" DATE: 04/27/2018 TIME: 09:14 FILENAME: L:\CPRA\186333-BAYOU DE CADE\186333-OII-DRW-DET-004.DWG



X-SECTION T-70, T-72, T-74, T-76 & T-78

HORIZONTAL 300' 0' 300' SCALE IN FEET

VERTICAL 20' 0' 20' SCALE IN FEET

X-SECTION T-69, T-71, T-73, T-75, T77

HORIZONTAL 200' 0' 200' SCALE IN FEET

VERTICAL 20' 0' 20' SCALE IN FEET

Horizontal Datum NAD83(2011) LSZ(1702)Ft
Vertical Datum NAVD88 Height (Geoid 12a) Ft

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

PREPARED BY: OCEANEERING
OCEANEERING INTERNATIONAL, INC.
730 E. KALISTE SALOOM RD.
LAFAYETTE, LA 70508
(337) 210-0000
LA Reg. No. 747

BAYOU DECADE RIDGE AND MARSH CREATION RESTORATION (TE-0138)
TRANSECTS
Terrebonne Parish, Louisiana

JOB No: 186333		DATE: April 26, 2018	
DRW: VIT	CKD: AO	SHEET 11 of 13	REV: 0
FILE: 186333-OII-DRW-DET-004.DWG			

SIZE: 34" X 22" DATE: 04/27/2018 TIME: 09:17 FILENAME: L:\CPRA\186333-BAYOU DE CADE\186333-OII-DRW-DET-004.DWG

ALL X-SECTIONS

HORIZONTAL: 100' 0' 100' SCALE IN FEET

VERTICAL: 20' 0' 20' SCALE IN FEET

Horizontal Datum NAD83(2011) LSZ(1702)Ft
Vertical Datum NAVD88 Height (Geoid 12a) Ft

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

BAYOU DECADE RIDGE AND MARSH CREATION RESTORATION (TE-0138)
TRANSECTS
Terrebonne Parish, Louisiana

PREPARED BY: OCEANEERING
OCEANEERING INTERNATIONAL, INC.
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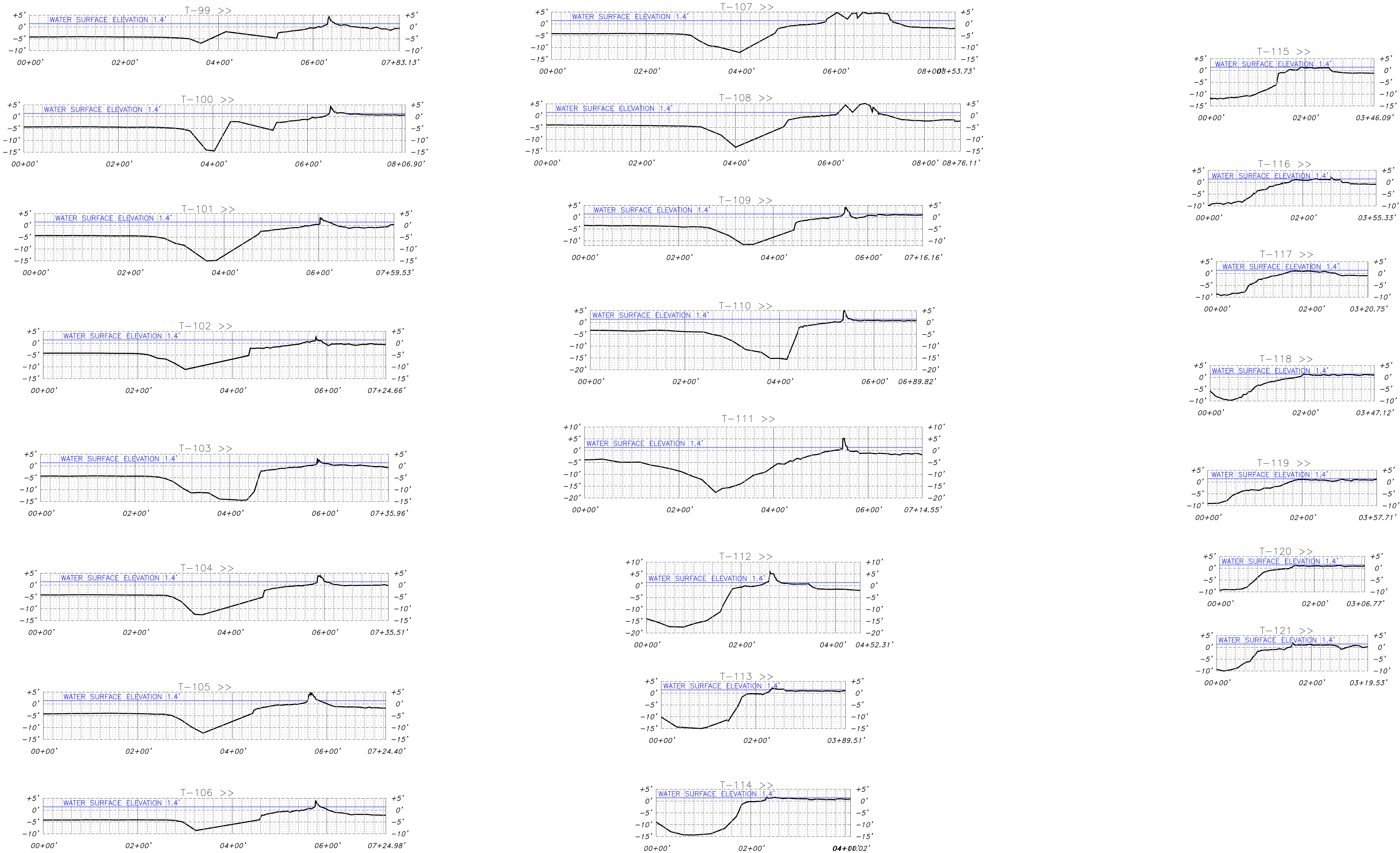
LAFAYETTE, LA 70508
(337) 210-0000
LA Reg. No. 747

JOB No: 186333	DATE: April 26, 2018
DRW: VIT	CKD: AO
FILE: 186333-OII-DRW-DET-004.DWG	

SHEET 12 of 13 REV: 0



ALL X-SECTIONS

HORIZONTAL
100' 0' 100'
SCALE IN FEET

VERTICAL
20' 0' 20'
SCALE IN FEET

Horizontal Datum NAD83(2011) LSZ(1702)Ft
Vertical Datum NAVD88 Height (Geoid 12a) Ft

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

BAYOU DECADE RIDGE AND MARSH CREATION RESTORATION (TE-0138)
TRANSECTS
Terrebonne Parish, Louisiana

PREPARED BY: OCEANEERING

OCEANEERING INTERNATIONAL, INC.
730 E. KALISTE SALOOM RD.
LAFAYETTE, LA 70508
(337) 210-0000
LA Reg. No. 747

JOB No: 186333		DATE: April 26, 2018	
DRW: VIT	CKD: AO	SHEET 13 of 13	REV: 0
FILE: 186333-OII-DRW-DET-004.DWG			

SIZE: 34" X 22" DATE: 04/27/2018 TIME: 09:18 FILENAME: L:\CPRA\186333-BAYOU DE CADE\186333-OII-DRW-DET-004.DWG