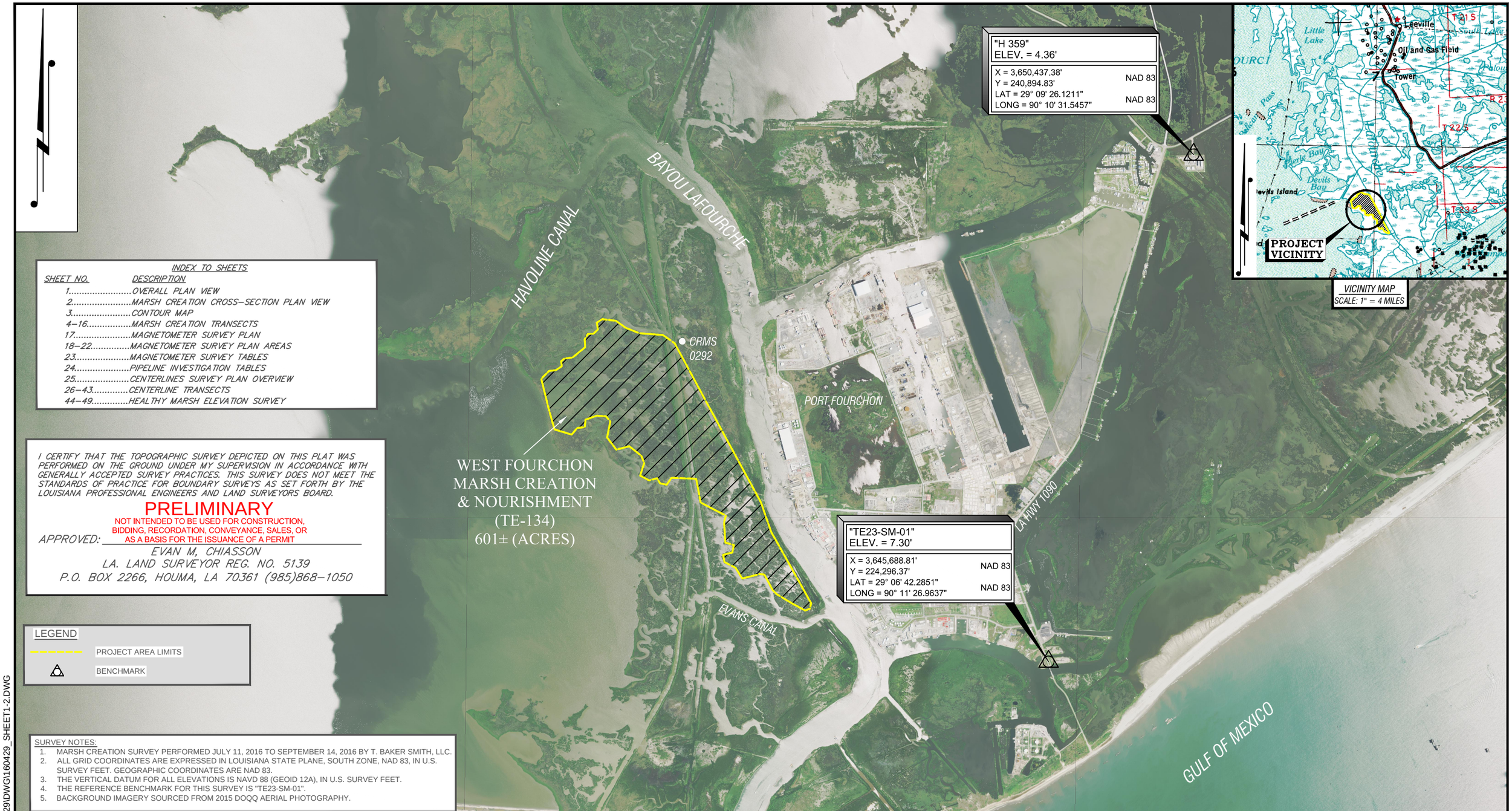


INDEX TO SHEETS

I CERTIFY THAT THE TOPOGRAPHIC SURVEY DEPICTED ON THIS PLAT WAS PERFORMED ON THE GROUND UNDER MY SUPERVISION IN ACCORDANCE WITH GENERALLY ACCEPTED SURVEY PRACTICES. THIS SURVEY DOES NOT MEET THE STANDARDS OF PRACTICE FOR BOUNDARY SURVEYS AS SET FORTH BY THE LOUISIANA PROFESSIONAL ENGINEERS AND LAND SURVEYORS BOARD.

PRELIMINARY

NOT INTENDED TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES, OR AS A BASIS FOR THE ISSUANCE OF A PERMIT

APPROVED: _____

EVAN M. CHIASSON
LA. LAND SURVEYOR REG. NO. 5139
P.O. BOX 2266, HOUMA, LA 70361 (985)868-1050

LEGEND

- PROJECT AREA LIMITS
- BENCHMARK

SURVEY NOTES:

1. MARSH CREATION SURVEY PERFORMED JULY 11, 2016 TO SEPTEMBER 14, 2016 BY T. BAKER SMITH, LLC.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD 83, IN U.S. SURVEY FEET. GEOGRAPHIC COORDINATES ARE NAD 83.
3. THE VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD 88 (GEOID 12A), IN U.S. SURVEY FEET.
4. THE REFERENCE BENCHMARK FOR THIS SURVEY IS "TE23-SM-01".
5. BACKGROUND IMAGERY SOURCED FROM 2015 DOQQ AERIAL PHOTOGRAPHY.

1/4/2017 - P:\Y-2016\2016.0429\DWG\160429_SHEET1-2.DWG

CPRA

TBS T. BAKER SMITH
SOLUTIONS START HERE
412 South Van Ave, Houma, LA 70363
(985)868-1050 - tbsmith.com

SCALE IN FEET
3000' 1500' 0' 3000'

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

REVISION DESCRIPTION:
--

DRAWN BY:	EMC	APPROVED BY:	KAK
DATE:	12/8/16	JOB NO:	2016.0429
DRAWING NAME:	160429_SHEET1-2.DWG		

PROJECTION: LA SOUTH ZONE 1702
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SHEET NO: 1 OF 49

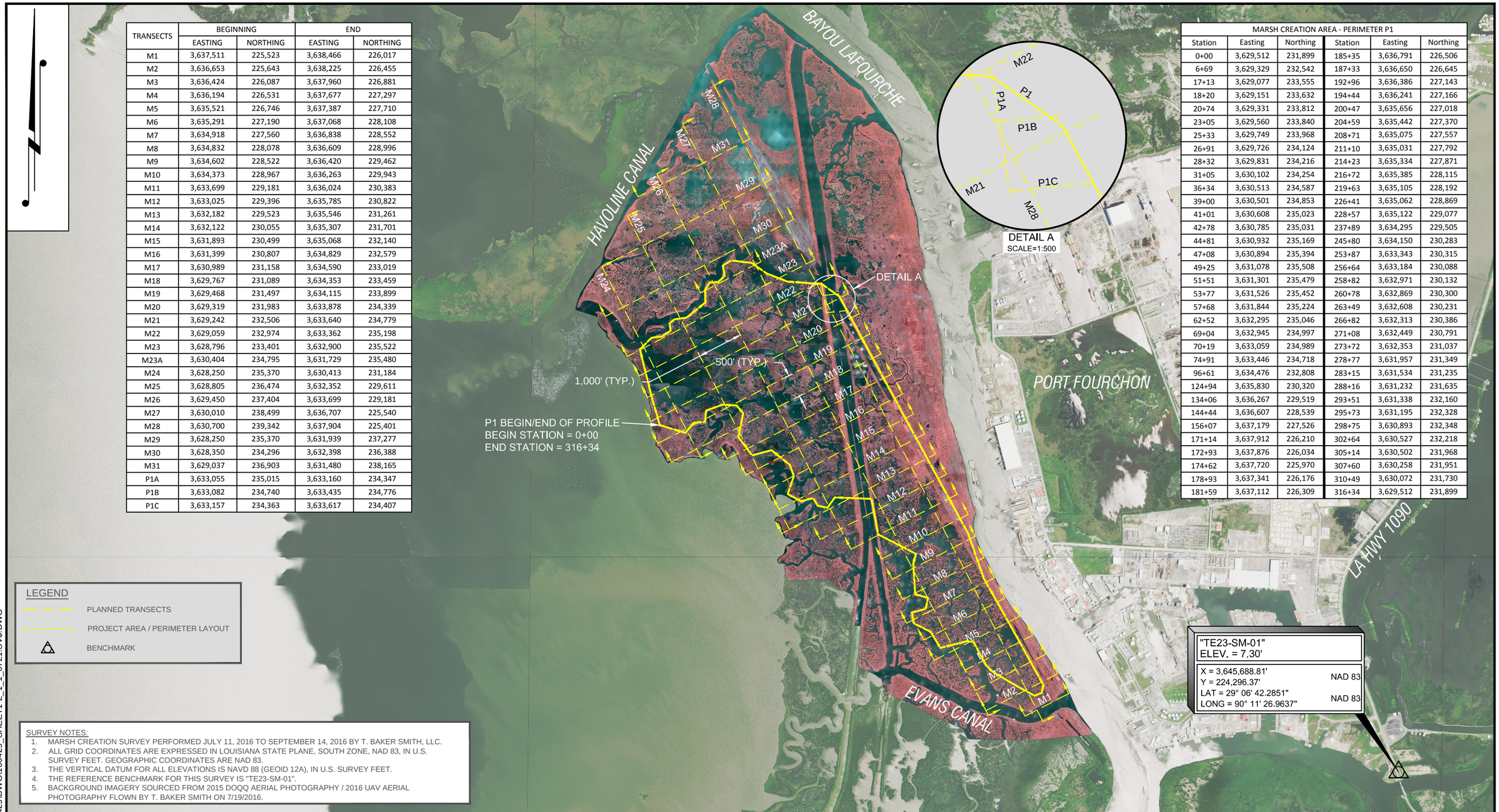
OVERALL PLAN VIEW

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)

COASTAL PROTECTION AND RESTORATION AUTHORITY OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA

TRANSECTS	BEGINNING		END	
	EASTING	NORTHING	EASTING	NORTHING
M1	3,637,511	225,523	3,638,466	226,017
M2	3,636,653	225,643	3,638,225	226,455
M3	3,636,424	226,087	3,637,960	226,881
M4	3,636,194	226,531	3,637,677	227,297
M5	3,635,521	226,746	3,637,387	227,710
M6	3,635,291	227,190	3,637,068	228,108
M7	3,634,918	227,560	3,636,838	228,552
M8	3,634,832	228,078	3,636,609	228,996
M9	3,634,602	228,522	3,636,420	229,462
M10	3,634,373	228,967	3,636,263	229,943
M11	3,633,699	229,181	3,636,024	230,383
M12	3,633,025	229,396	3,635,785	230,822
M13	3,632,182	229,523	3,635,546	231,261
M14	3,632,122	230,055	3,635,307	231,701
M15	3,631,893	230,499	3,635,068	232,140
M16	3,631,399	230,807	3,634,829	232,579
M17	3,630,989	231,158	3,634,590	233,019
M18	3,629,767	231,089	3,634,353	233,459
M19	3,629,468	231,497	3,634,115	233,899
M20	3,629,319	231,983	3,633,878	234,339
M21	3,629,242	232,506	3,633,640	234,779
M22	3,629,059	232,974	3,633,362	235,198
M23	3,628,796	233,401	3,632,900	235,522
M23A	3,630,404	234,795	3,631,729	235,480
M24	3,628,250	235,370	3,630,413	231,184
M25	3,628,805	236,474	3,632,352	229,611
M26	3,629,450	237,404	3,633,699	229,181
M27	3,630,010	238,499	3,636,707	225,540
M28	3,630,700	239,342	3,637,904	225,401
M29	3,628,250	235,370	3,631,939	237,277
M30	3,628,350	234,296	3,632,398	236,388
M31	3,629,037	236,903	3,631,480	238,165
P1A	3,633,055	235,015	3,633,160	234,347
P1B	3,633,082	234,740	3,633,435	234,776
P1C	3,633,157	234,363	3,633,617	234,407

MARSH CREATION AREA - PERIMETER P1					
Station	Easting	Northing	Station	Easting	Northing
0+00	3,629,512	231,899	185+35	3,636,791	226,506
6+69	3,629,329	232,542	187+33	3,636,650	226,645
17+13	3,629,077	233,555	192+96	3,636,386	227,143
18+20	3,629,151	233,632	194+44	3,636,241	227,166
20+74	3,629,331	233,812	200+47	3,635,656	227,018
23+05	3,629,560	233,840	204+59	3,635,442	227,370
25+33	3,629,749	233,968	208+71	3,635,075	227,557
26+91	3,629,726	234,124	211+10	3,635,031	227,792
28+32	3,629,831	234,216	214+23	3,635,334	227,871
31+05	3,630,102	234,254	216+72	3,635,385	228,115
36+34	3,630,513	234,587	219+63	3,635,105	228,192
39+00	3,630,501	234,853	226+41	3,635,062	228,869
41+01	3,630,608	235,023	228+57	3,635,122	229,077
42+78	3,630,785	235,031	237+89	3,634,295	229,505
44+81	3,630,932	235,169	245+80	3,634,150	230,283
47+08	3,630,894	235,394	253+87	3,633,343	230,315
49+25	3,631,078	235,508	256+64	3,633,184	230,088
51+51	3,631,301	235,479	258+82	3,632,971	230,132
53+77	3,631,526	235,452	260+78	3,632,869	230,300
57+68	3,631,844	235,224	263+49	3,632,608	230,231
62+52	3,632,295	235,046	266+82	3,632,313	230,386
69+04	3,632,945	234,997	271+08	3,632,449	230,791
70+19	3,633,059	234,989	273+72	3,632,353	231,037
74+91	3,633,446	234,718	278+77	3,631,957	231,349
96+61	3,634,476	232,808	283+15	3,631,534	231,235
124+94	3,635,830	230,320	288+16	3,631,232	231,635
134+06	3,636,267	229,519	293+51	3,631,338	232,160
144+44	3,636,607	228,539	295+73	3,631,195	232,328
156+07	3,637,179	227,526	298+75	3,630,893	232,348
171+14	3,637,912	226,210	302+64	3,630,527	232,218
172+93	3,637,876	226,034	305+14	3,630,502	231,968
174+62	3,637,720	225,970	307+60	3,630,258	231,951
178+93	3,637,341	226,176	310+49	3,630,072	231,730
181+59	3,637,112	226,309	316+34	3,629,512	231,899



LEGEND

- PLANNED TRANSECTS
- PROJECT AREA / PERIMETER LAYOUT
- BENCHMARK

SURVEY NOTES:

1. MARSH CREATION SURVEY PERFORMED JULY 11, 2016 TO SEPTEMBER 14, 2016 BY T. BAKER SMITH, LLC.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD 83, IN U.S. SURVEY FEET. GEOGRAPHIC COORDINATES ARE NAD 83.
3. THE VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD 88 (GEOID 12A), IN U.S. SURVEY FEET.
4. THE REFERENCE BENCHMARK FOR THIS SURVEY IS "TE23-SM-01".
5. BACKGROUND IMAGERY SOURCED FROM 2015 DOQQ AERIAL PHOTOGRAPHY / 2016 UAV AERIAL PHOTOGRAPHY FLOWN BY T. BAKER SMITH ON 7/19/2016.

CPRA

T. BAKER SMITH
SOLUTIONS START HERE
412 South Van Ave, Houma, LA 70363
(985)868-1050 - tbsmith.com

SCALE IN FEET

2000' 1000' 0' 2000'

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

REVISION DESCRIPTION:
--

DRAWN BY:	EMC	APPROVED BY:	KAK
DATE:	12/8/16	JOB NO:	2016.0429
DRAWING NAME:	E0429_SHEET1-2_1_1_6721.SV$.DWG		

PROJECTION: LA SOUTH ZONE 1702
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

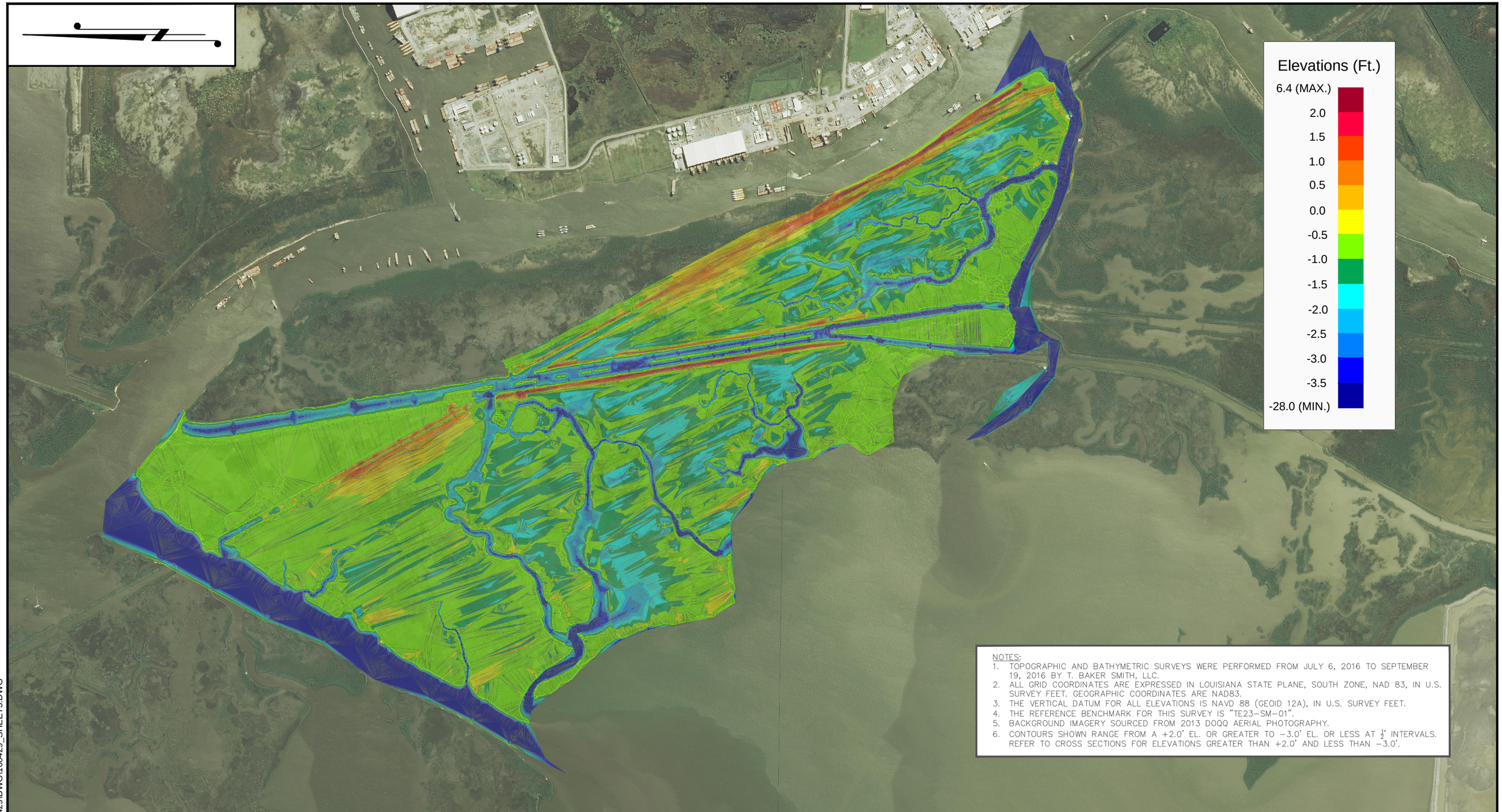
SHEET NO: 2 OF 49

MARSH CREATION CROSS-SECTION PLAN VIEW

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)

COASTAL PROTECTION AND RESTORATION AUTHORITY OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA

1/4/2017 - P:\Y-2016\2016.0429\DWG\160429_SHEET1-2_1_1_6721.SV$.DWG



NOTES:
1. TOPOGRAPHIC AND BATHYMETRIC SURVEYS WERE PERFORMED FROM JULY 6, 2016 TO SEPTEMBER 19, 2016 BY T. BAKER SMITH, LLC.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD 83, IN U.S. SURVEY FEET. GEOGRAPHIC COORDINATES ARE NAD83.
3. THE VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD 88 (GEOID 12A), IN U.S. SURVEY FEET.
4. THE REFERENCE BENCHMARK FOR THIS SURVEY IS "TE23-SM-01".
5. BACKGROUND IMAGERY SOURCED FROM 2013 DOQQ AERIAL PHOTOGRAPHY.
6. CONTOURS SHOWN RANGE FROM A +2.0' EL. OR GREATER TO -3.0' EL. OR LESS AT ½' INTERVALS. REFER TO CROSS SECTIONS FOR ELEVATIONS GREATER THAN +2.0' AND LESS THAN -3.0'.

NOTES:

CPRA

TBS T. BAKER SMITH
SOLUTIONS START HERE
412 South Van Ave, Houma, LA 70363
(985)868-1050 - tbsmith.com

SCALE IN FEET
1500' 750' 0' 1500'

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

REVISION DESCRIPTION:
--

DRAWN BY:	ADS	APPROVED BY:	KAK
DATE:	12/08/2016	JOB NO:	2016.0429
DRAWING NAME:	Contour Map.dwg		

PROJECTION: LOUISIANA SOUTH
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SHEET NO: 3 OF 29

CONTOUR MAP

WEST FOURCHON MARSH CREATION
& NOURISHMENT (TE-134)
COASTAL PROTECTION AND RESTORATION AUTHORITY
OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA

1/4/2017 - P:\Y-2016\2016.0429\DWG\160429_SHEET3.DWG

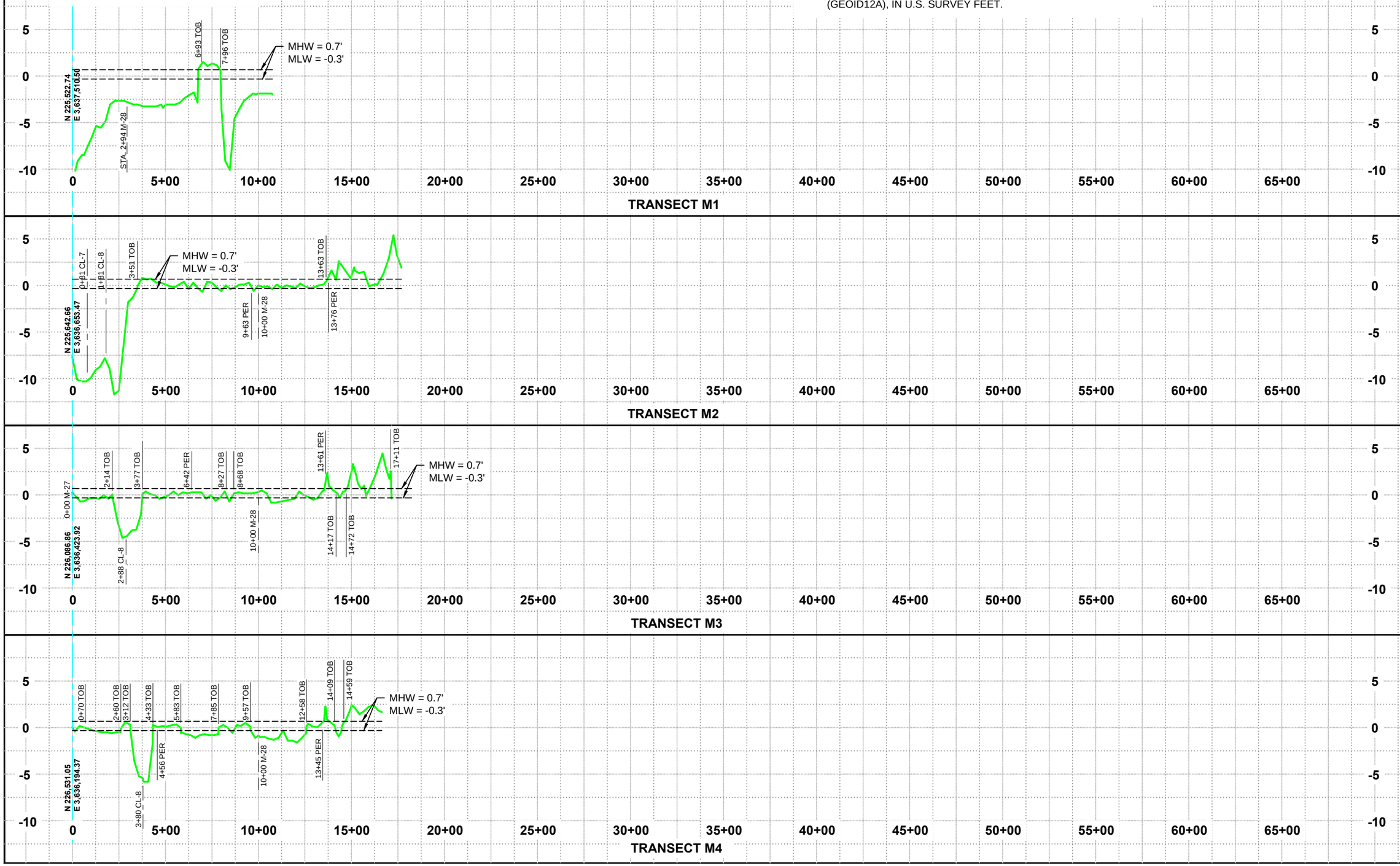
HORIZONTAL SCALE: 1" = 500'
500' 250' 0' 500'
VERTICAL SCALE: 1" = 20'
10' 5' 0' 10'

LEGEND

- T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)
- WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING NORTHWESTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



CROSS SECTIONS
TRANSECTS 1, 2, 3 & 4

DATE: 12/08/2016

SHEET 4 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: EMC

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH

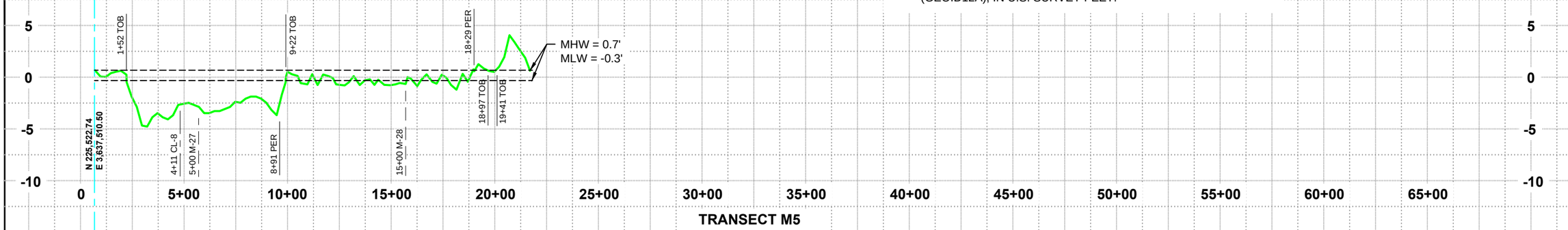
HORIZONTAL SCALE: 1" = 500'
500' 250' 0' 500'
VERTICAL SCALE: 1" = 20'
10' 5' 0' 10'

LEGEND

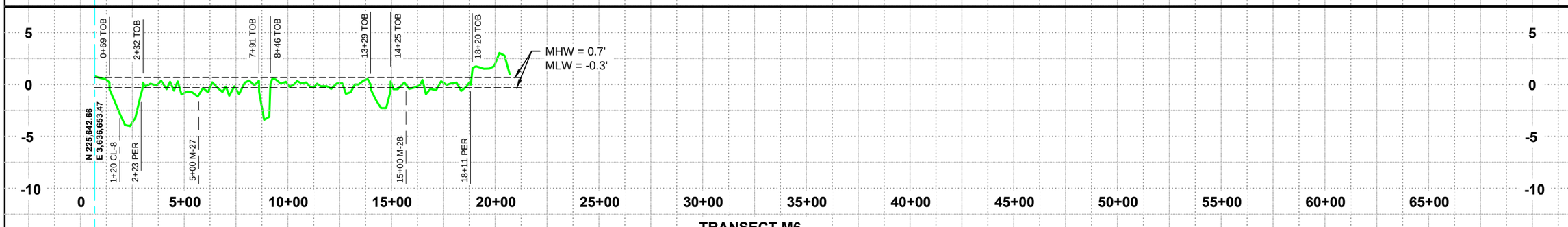
- T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)
- WATER SURFACE

NOTES

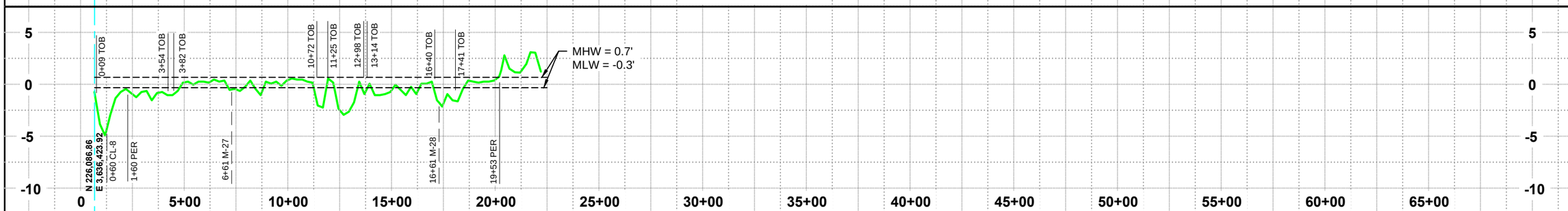
1. ALL PROFILES SHOWN ARE LOOKING NORTHWESTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



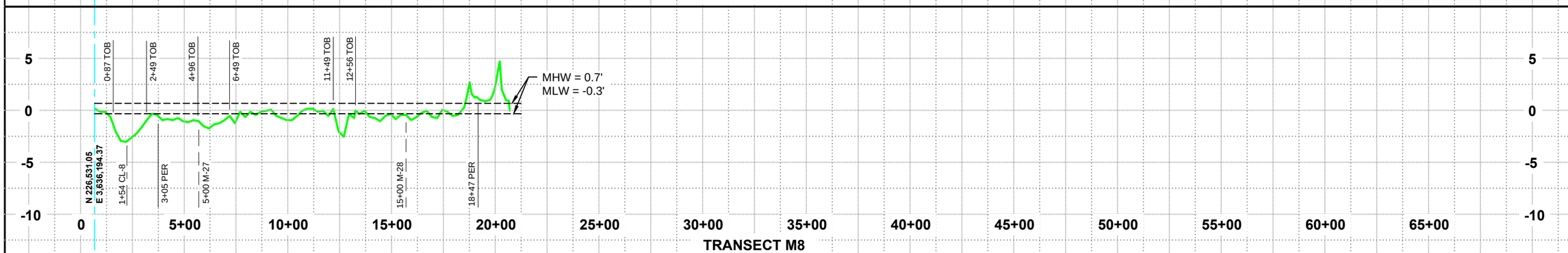
TRANSECT M5



TRANSECT M6



TRANSECT M7



TRANSECT M8

CROSS SECTIONS
TRANSECTS 5, 6, 7, & 8

DATE: 12/08/2016

SHEET 5 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: EMC

DESIGNED BY:

REV	DATE	DESCRIPTION	BY

T. BAKER SMITH
SOLUTIONS START HERE
4750 South Gray Ave. Houma, LA 70360
www.tbsmith.com

HORIZONTAL SCALE: 1" = 500'
500' 250' 0' 500'
VERTICAL SCALE: 1" = 20'
10' 5' 0' 10'

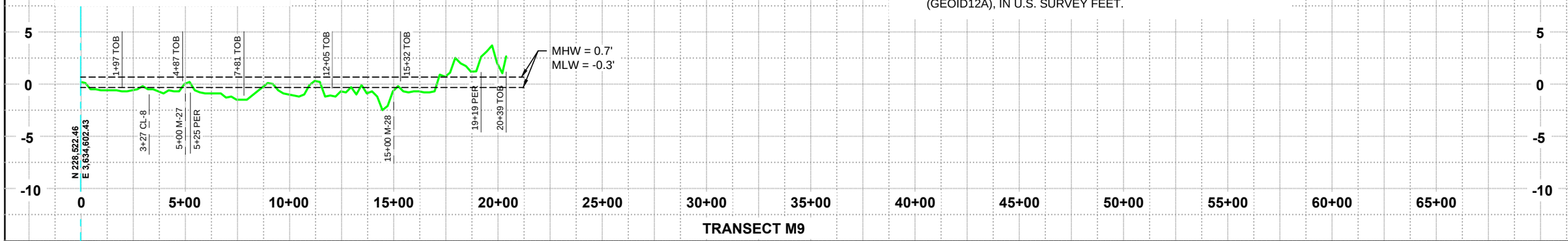
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

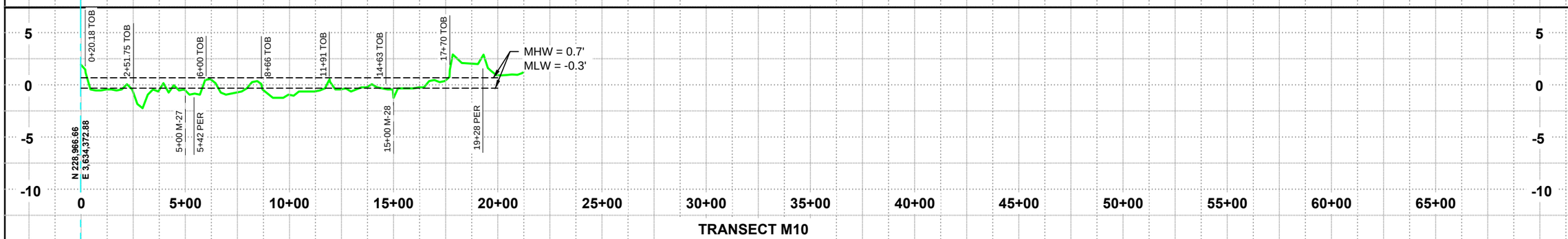
WATER SURFACE

NOTES

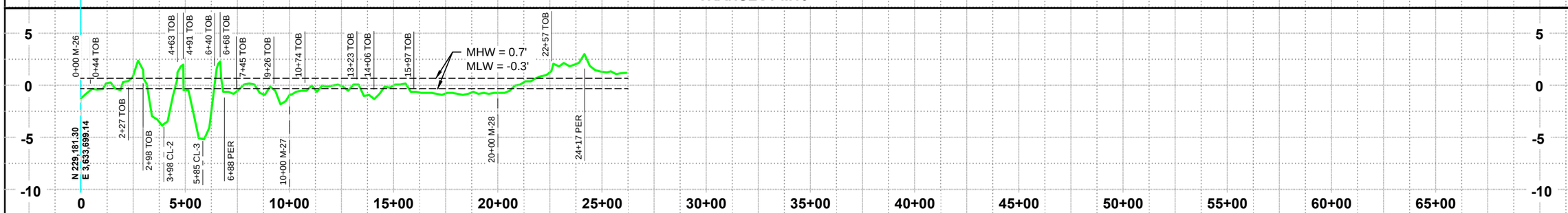
1. ALL PROFILES SHOWN ARE LOOKING NORTHWESTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



TRANSECT M9



TRANSECT M10



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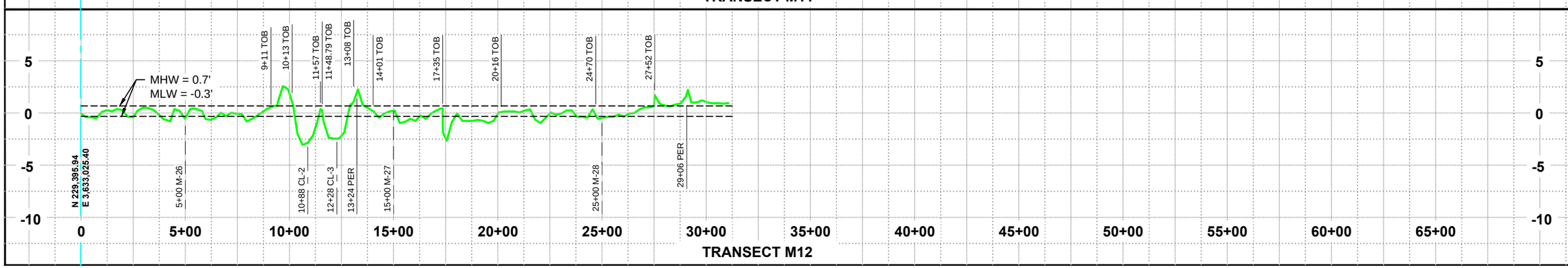


TRANSECT M12

CROSS SECTIONS
TRANSECTS 9, 10, 11, & 12

DATE: 12/08/2016

SHEET 6 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: EMC

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
T. BAKER SMITH, LLC
416 South Main St., Houma, LA 70360
985.876.7711 - 800.256.7711
www.tbsllc.com - Houma/Thibodaux

HORIZONTAL SCALE: 1" = 500'

500' 250' 0' 500'

VERTICAL SCALE: 1" = 20'

10' 5' 0' 10'

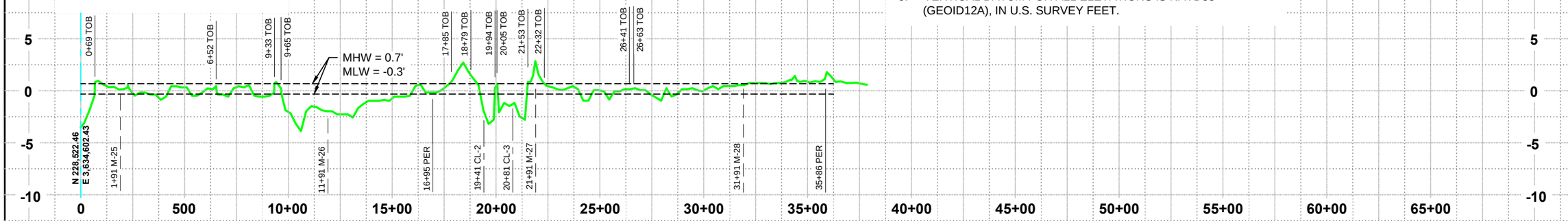
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING NORTHWESTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



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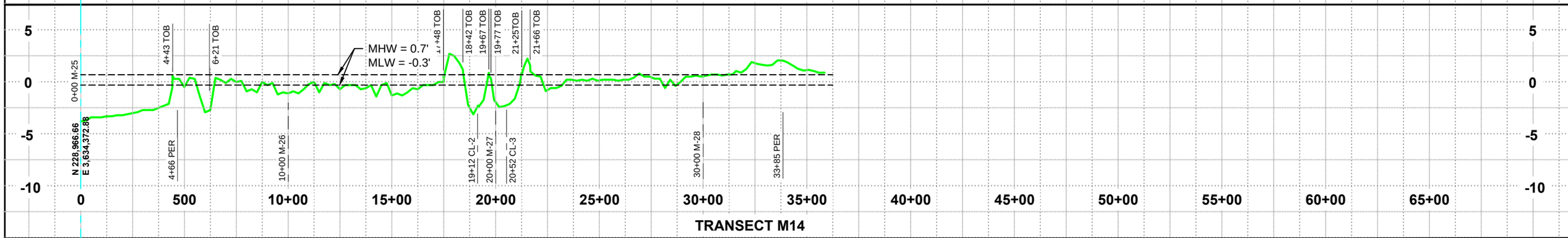

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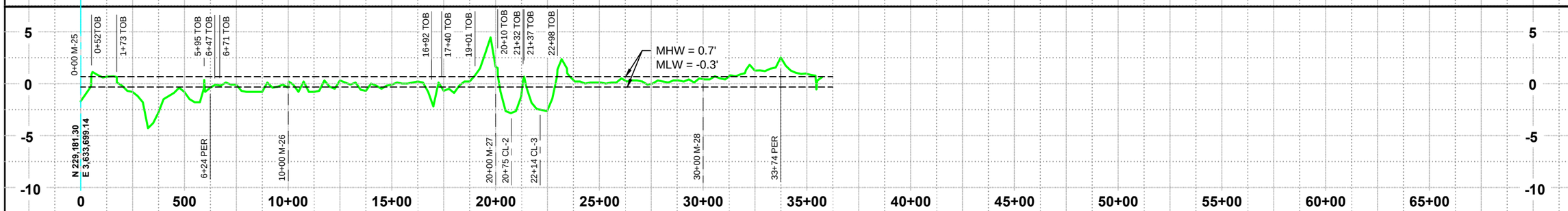

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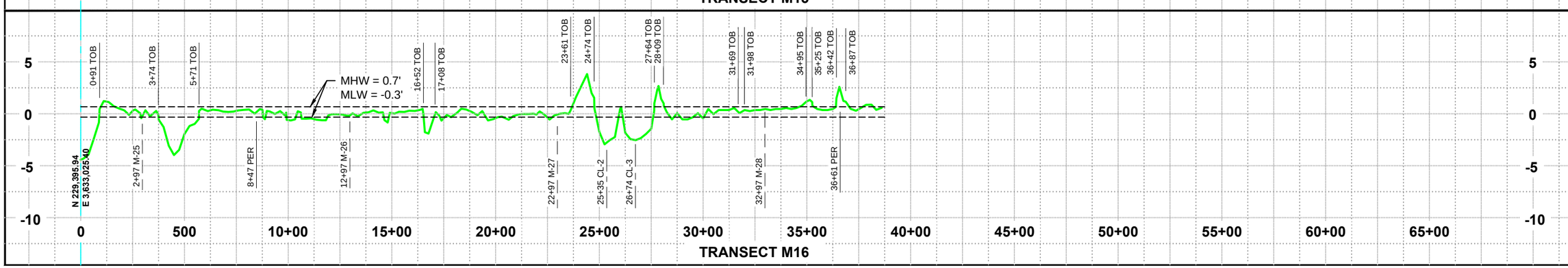


TRANSECT M16

CROSS SECTIONS
TRANSECTS 13, 14, 15, & 16

DATE: 12/08/2016

SHEET 7 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: EMC

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
T. BAKER SMITH, LLC
4150 South Park Ave., Houma, LA 70360
geospatial • data • innovation

HORIZONTAL SCALE: 1" = 500'

500' 250' 0' 500'

VERTICAL SCALE: 1" = 20'

10' 5' 0' 10'

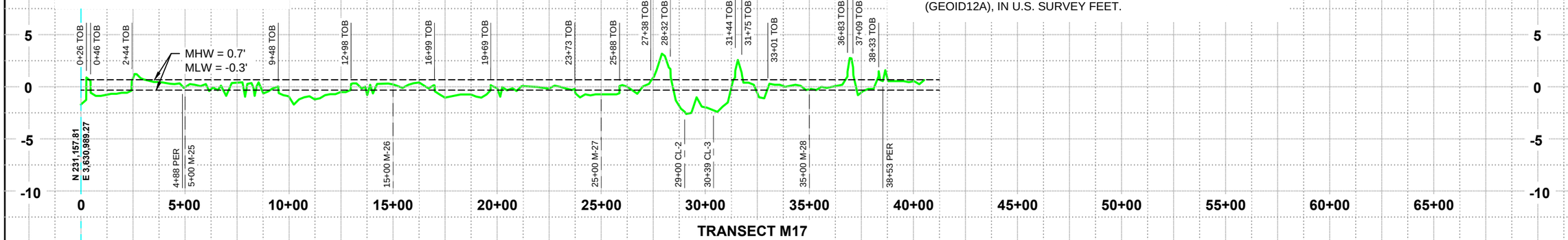
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING NORTHWESTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



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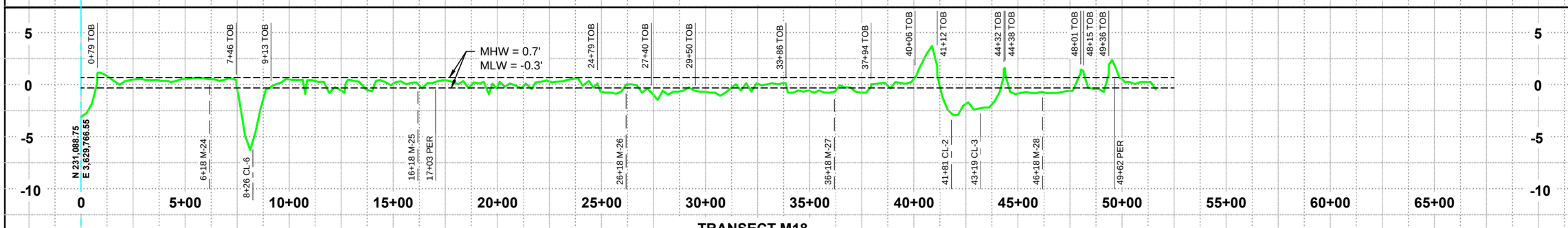
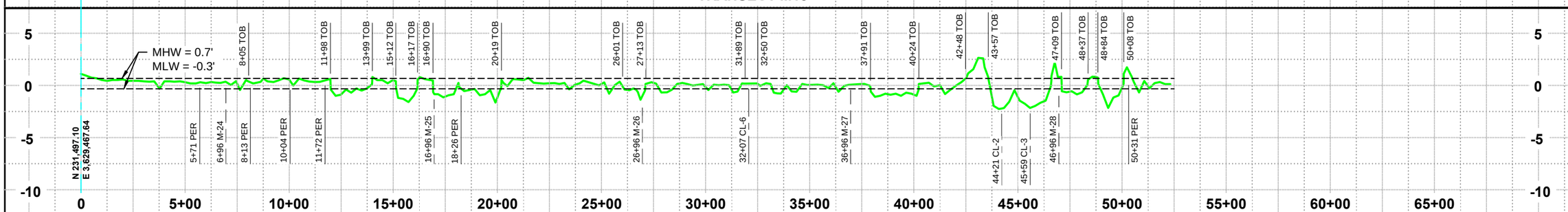


TRANSECT M18



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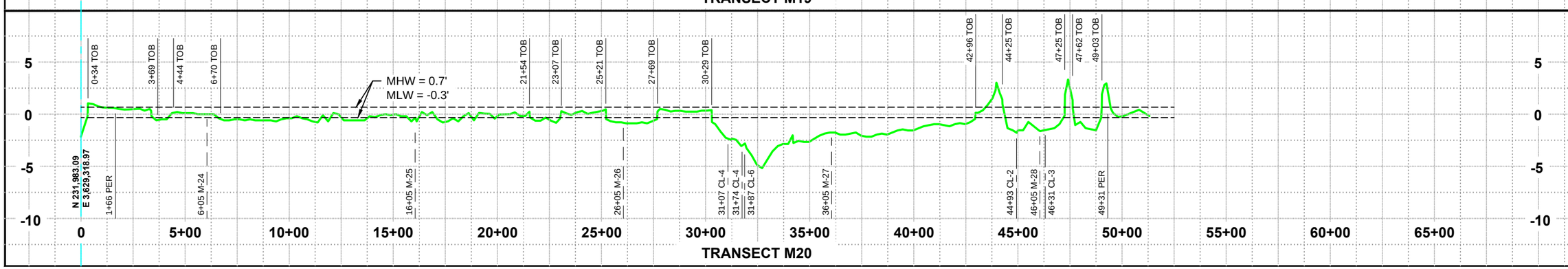


TRANSECT M20

CROSS SECTIONS
TRANSECTS 17, 18, 19, & 20

DATE: 12/08/2016

SHEET 8 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: EMC

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
T. BAKER SMITH, LLC
416 South Van Ave., Houma, LA 70360
985-868-1092 - Fax 985-872-0279
www.tbsmith.com

HORIZONTAL SCALE: 1" = 500'

500' 250' 0' 500'

VERTICAL SCALE: 1" = 20'

10' 5' 0' 10'

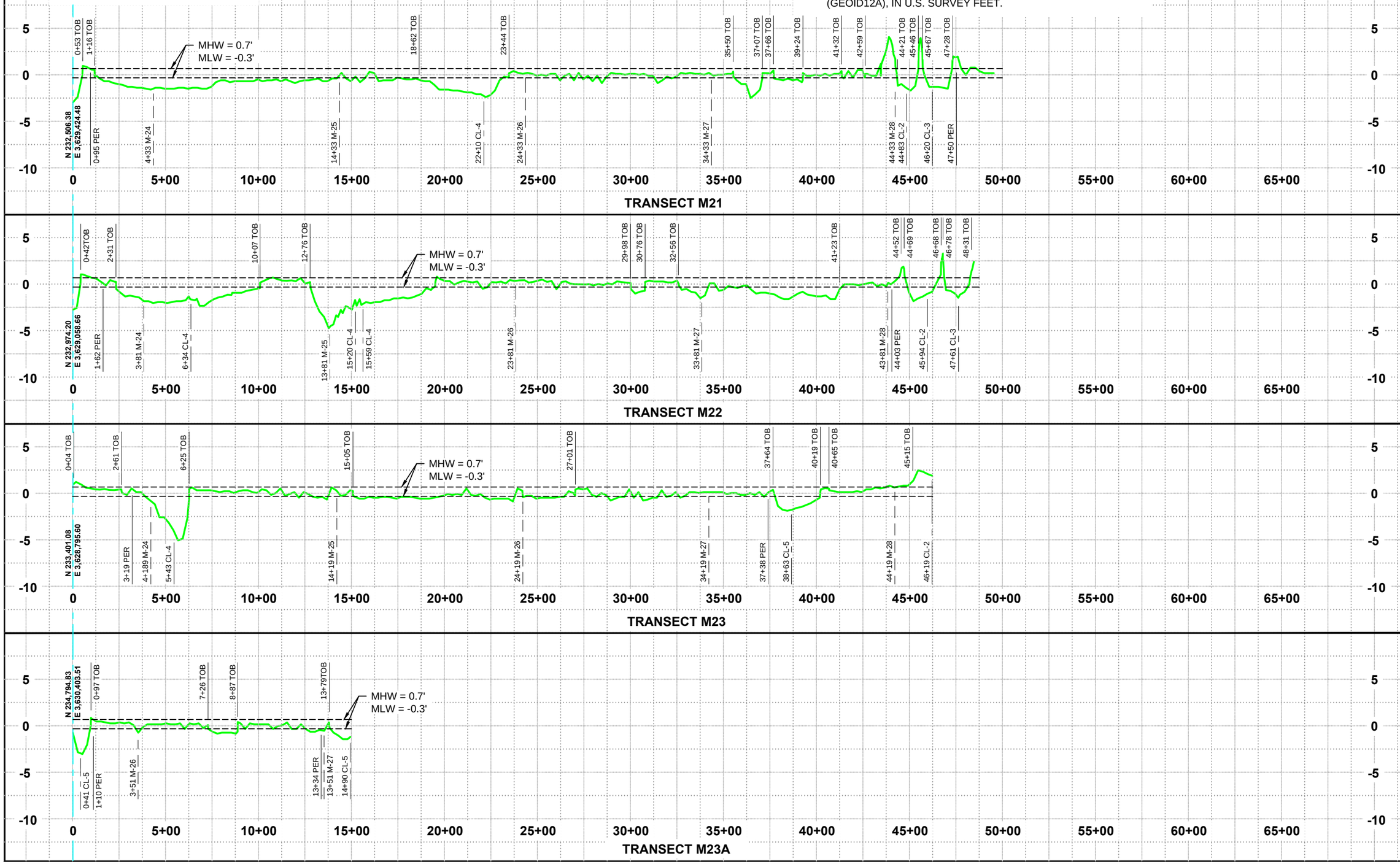
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING NORTHWESTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



CROSS SECTIONS
TRANSECTS 21, 22, 23, & 23A

DATE: 12/08/2016

SHEET 9 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: EMC

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
ENGINEERS & SURVEYORS
416 South Jefferson Place, Houma, LA 70360
Geodetic • Hydro • Construction

HORIZONTAL SCALE: 1" = 500'
500' 250' 0' 500'
VERTICAL SCALE: 1" = 20'
10' 5' 0' 10'

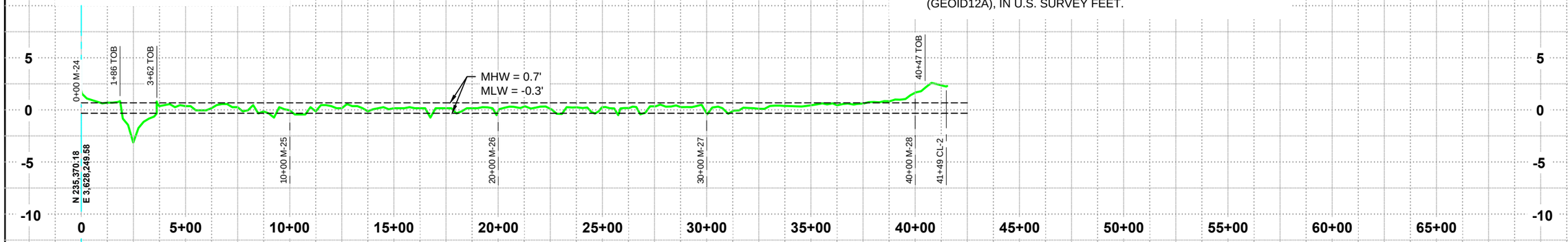
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

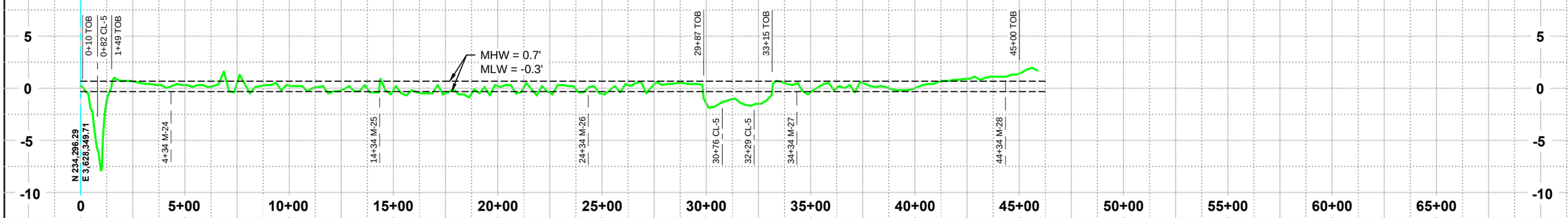
WATER SURFACE

NOTES

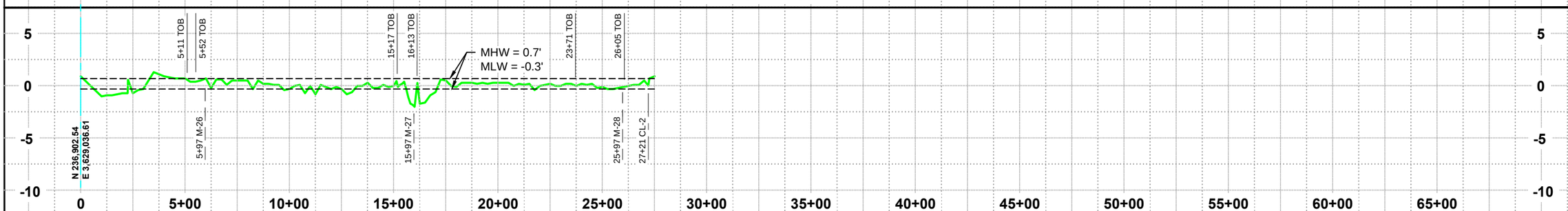
1. ALL PROFILES SHOWN ARE LOOKING NORTHWESTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



TRANSECT M29



TRANSECT M30



TRANSECT M31

CROSS SECTIONS
TRANSECTS 29, 30, & 31

DATE: 12/08/2016

SHEET 10 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: EMC

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
SURVEYING & MAPPING
419 South Larry Ave., Houma, LA 70363
geospatial-tbsc.com

HORIZONTAL SCALE: 1" = 500'
500' 250' 0' 500'
VERTICAL SCALE: 1" = 20'
10' 5' 0' 10'

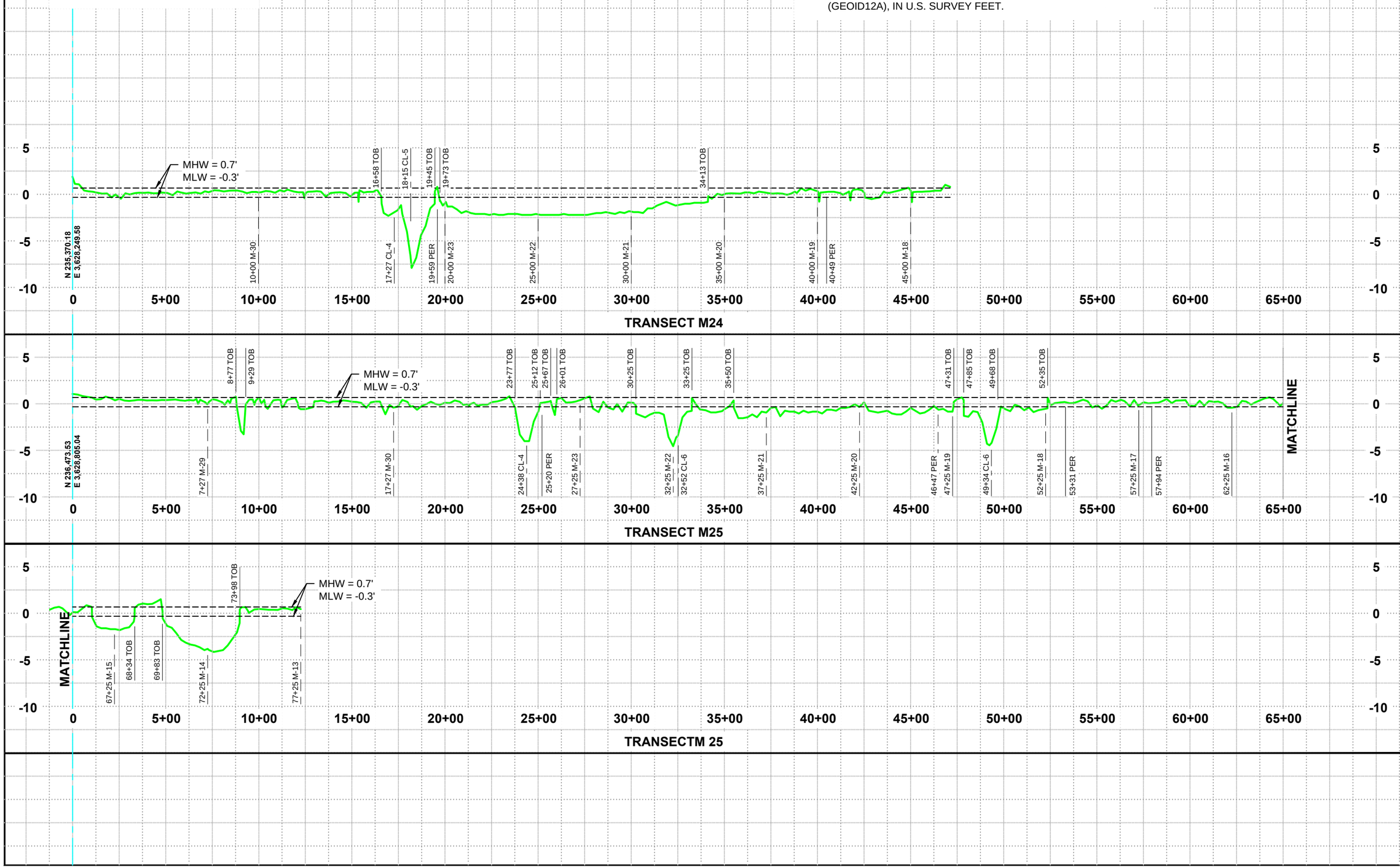
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING NORTHEASTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



CROSS SECTIONS
TRANSECTS 1, 2, 3 & 4

DATE: 12/08/2016

SHEET 11 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DESIGNED BY:

DRAWN BY: EMC

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
ENGINEERS & PLANNERS
419 South Main Ave. Houma, LA 70360
www.tbs-llc.com

HORIZONTAL SCALE: 1" = 500'

500' 250' 0' 500'

VERTICAL SCALE: 1" = 20'

10' 5' 0' 10'

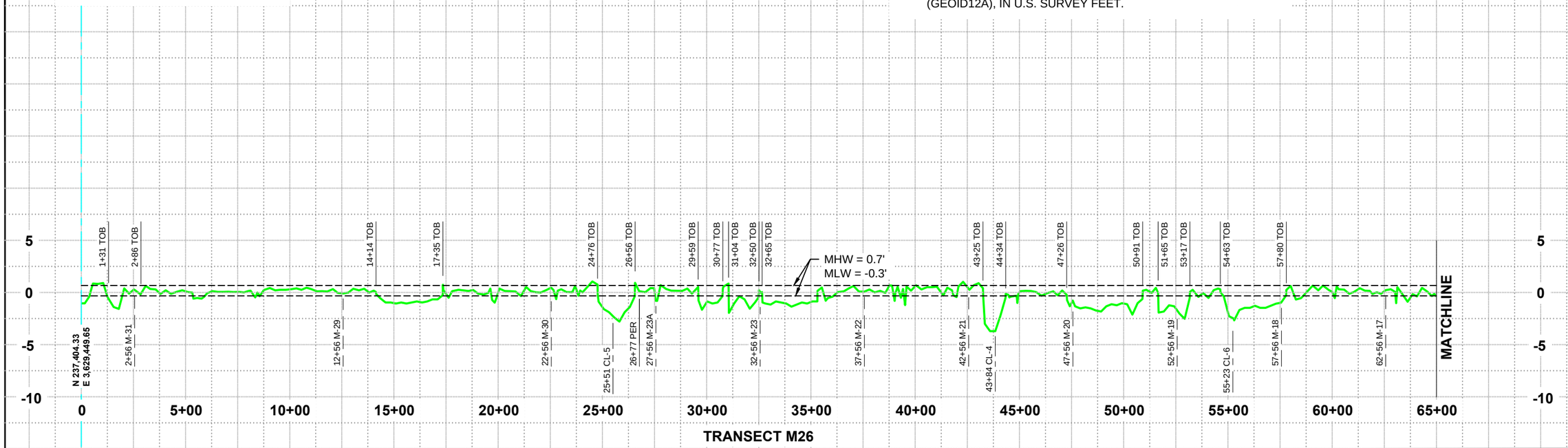
LEGEND

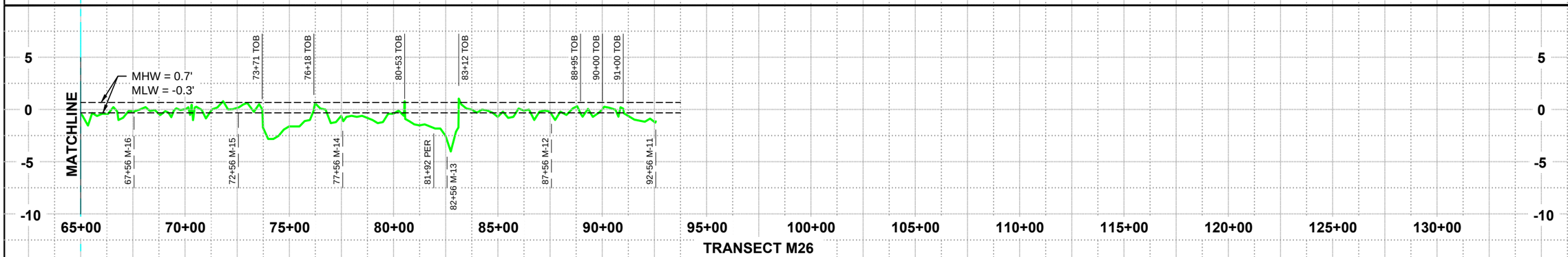
T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING NORTHEASTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.





CROSS SECTIONS
TRANSECT 26

DATE: 12/08/2016

SHEET 12 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: EMC

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
GEOTECHNICAL & MARINE
416 South Main Ave., Houma, LA 70360
geotech@tbs-llc.com

HORIZONTAL SCALE: 1" = 500'
500' 250' 0' 500'
VERTICAL SCALE: 1" = 20'
10' 5' 0' 10'

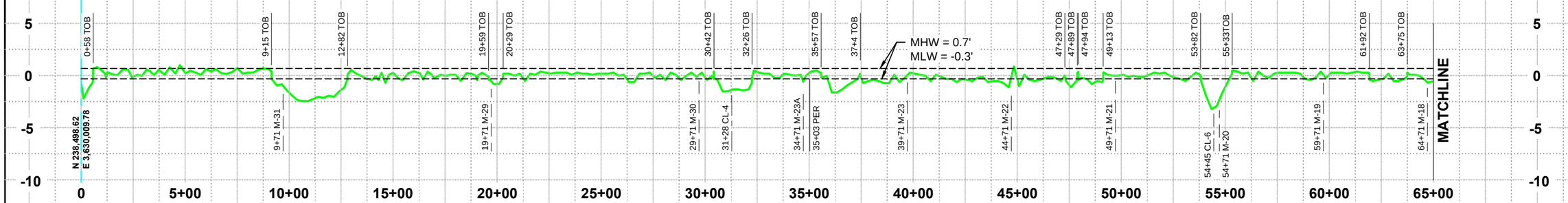
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

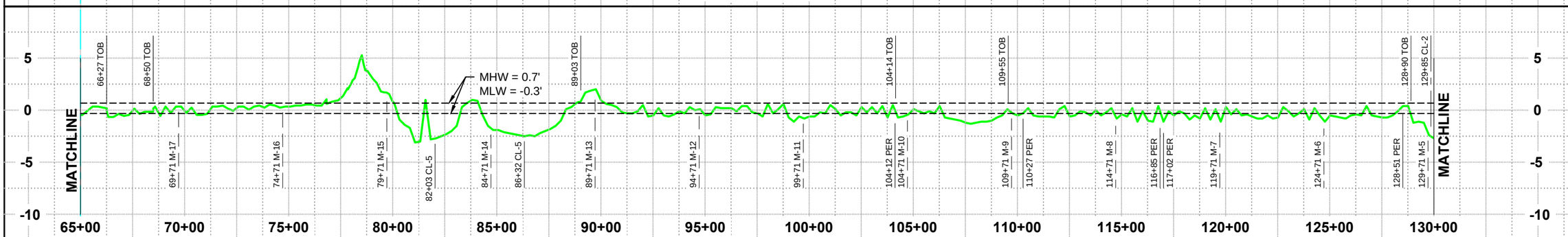
WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING NORTHEASTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



TRANSECT M27



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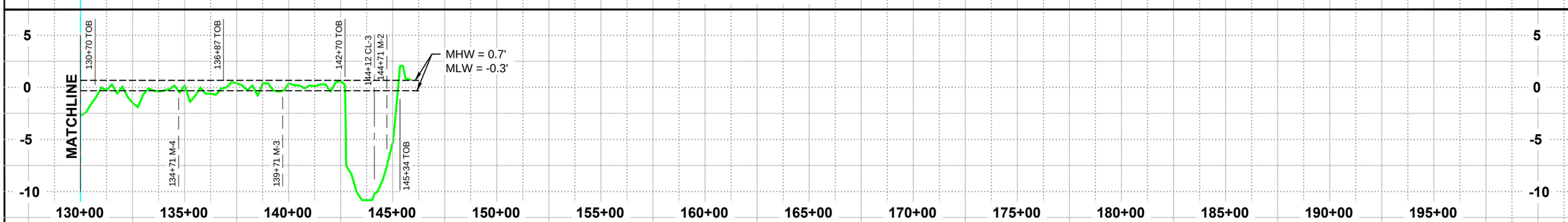

TRANSECT M27

CROSS SECTIONS
TRANSECT 27

DATE: 12/08/2016

SHEET 13 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DESIGNED BY:

DRAWN BY: EMC

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
ENGINEERS & SURVEYORS
419 South Main Ave. Houma, LA 70360
985-876-7000 - Bakersmith.com
TBS

HORIZONTAL SCALE: 1" = 500'
500' 250' 0' 500'
VERTICAL SCALE: 1" = 20'
10' 5' 0' 10'

LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING NORTHEASTERLY.
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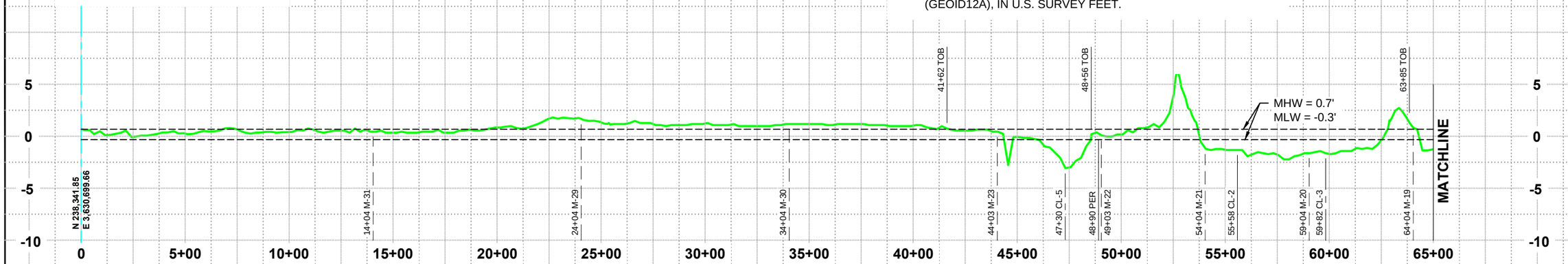

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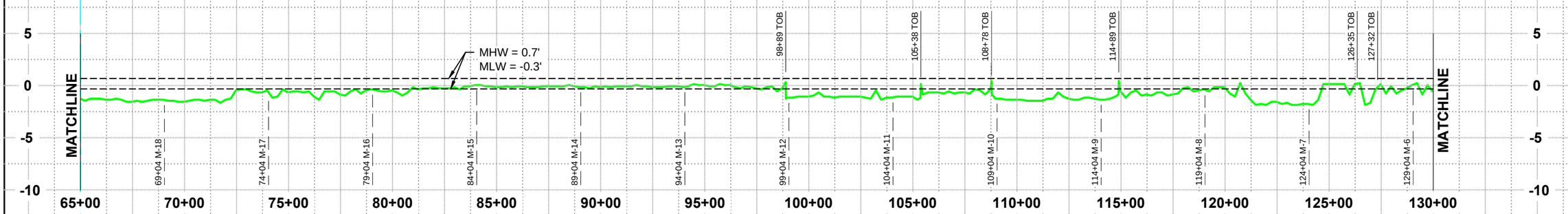

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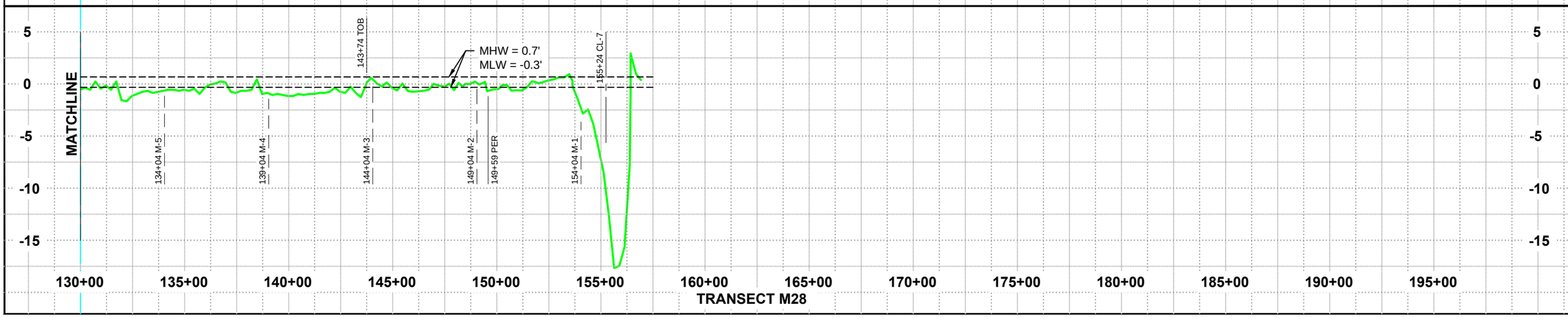


TRANSECT M28

CROSS SECTIONS
TRANSECT 28

DATE: 12/08/2016

SHEET 14 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: EMC

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
SOUTHERN STRATEGIES
418 South Larry Ave. Houma, LA 70360
geologists • biologists • land surveyors

HORIZONTAL SCALE: 1" = 500'
500' 250' 0' 500'
VERTICAL SCALE: 1" = 20'
10' 5' 0' 10'

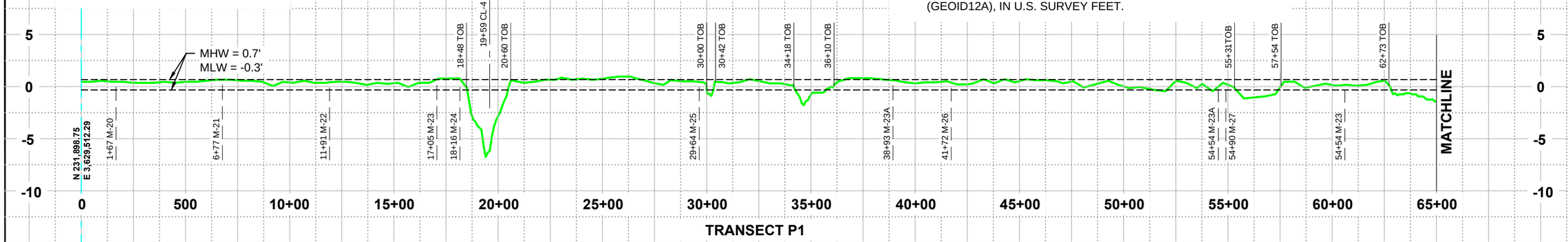
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

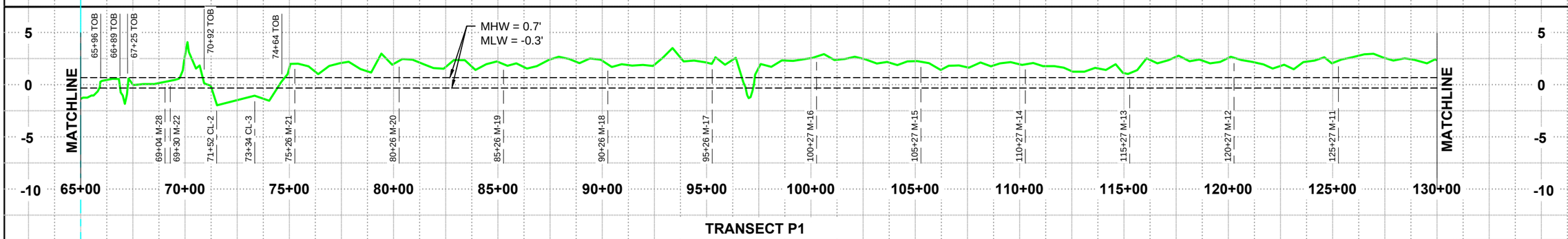
WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING NORTHEASTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



TRANSECT P1



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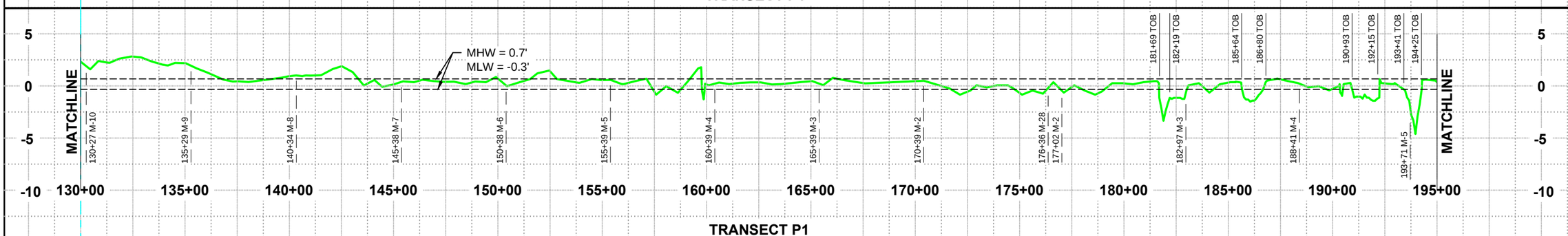
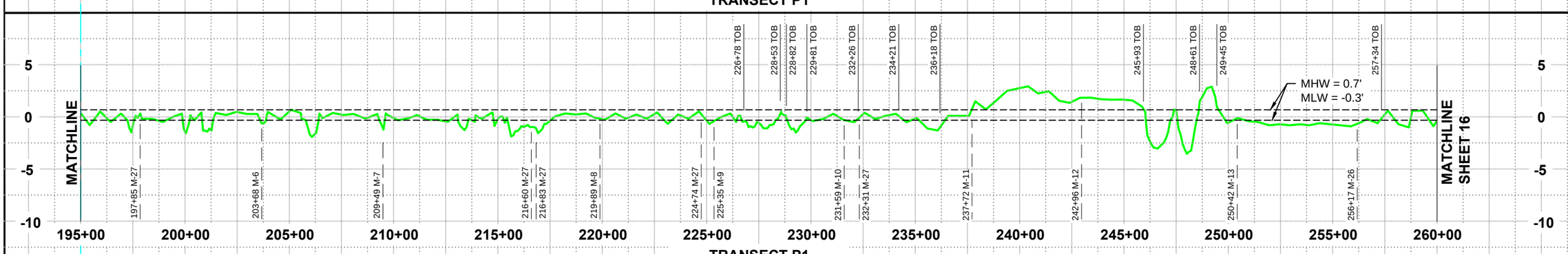


TRANSECT P1



TRANSECT P1

CROSS SECTIONS
TRANSECT P1

DATE: 12/08/2016

SHEET 15 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: EMC

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
GEOTECHNICAL & SURVEYING
4150 Bienville Ave., Houma, LA 70360
(985)876-7500 - Geotechnical

HORIZONTAL SCALE: 1" = 500'

500' 250' 0' 500'

VERTICAL SCALE: 1" = 20'

10' 5' 0' 10'

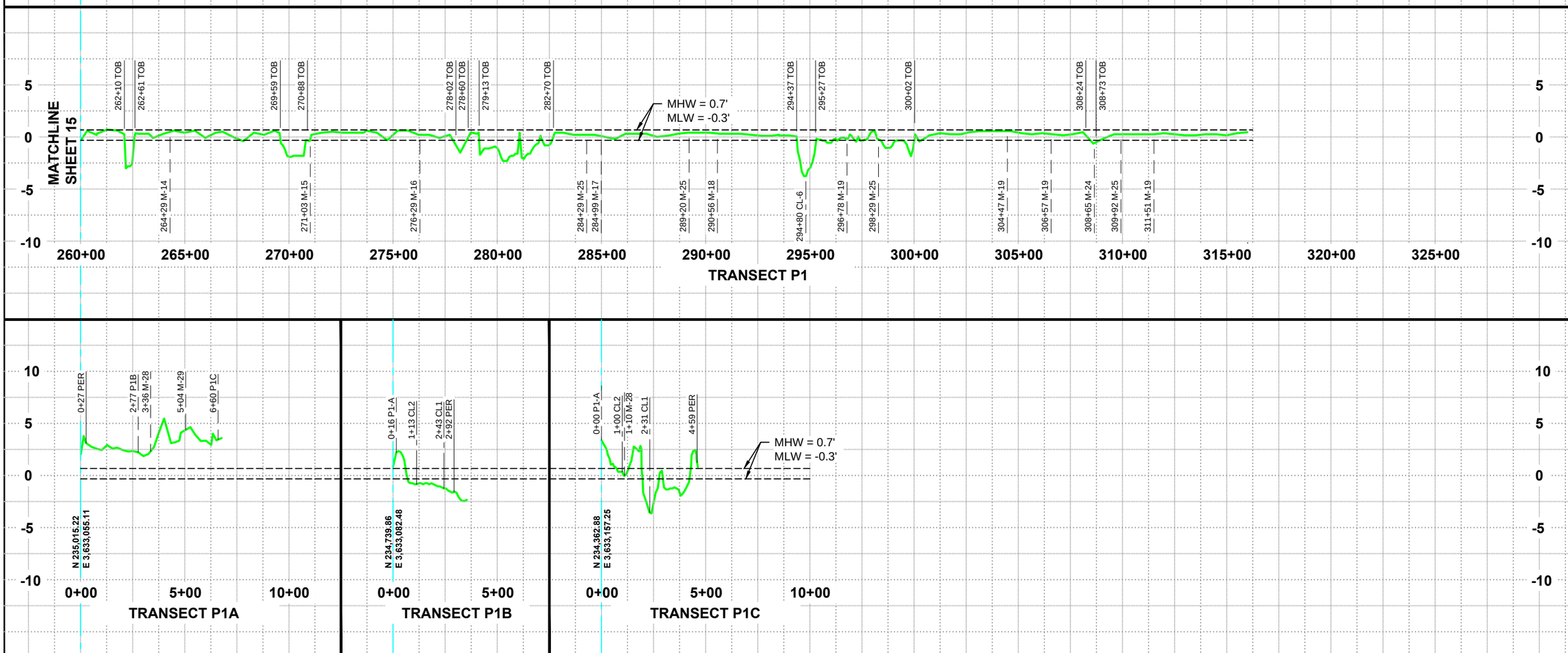
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING NORTHEASTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



CROSS SECTIONS
TRANSECT P1

DATE: 12/08/2016

SHEET 16 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: EMC

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

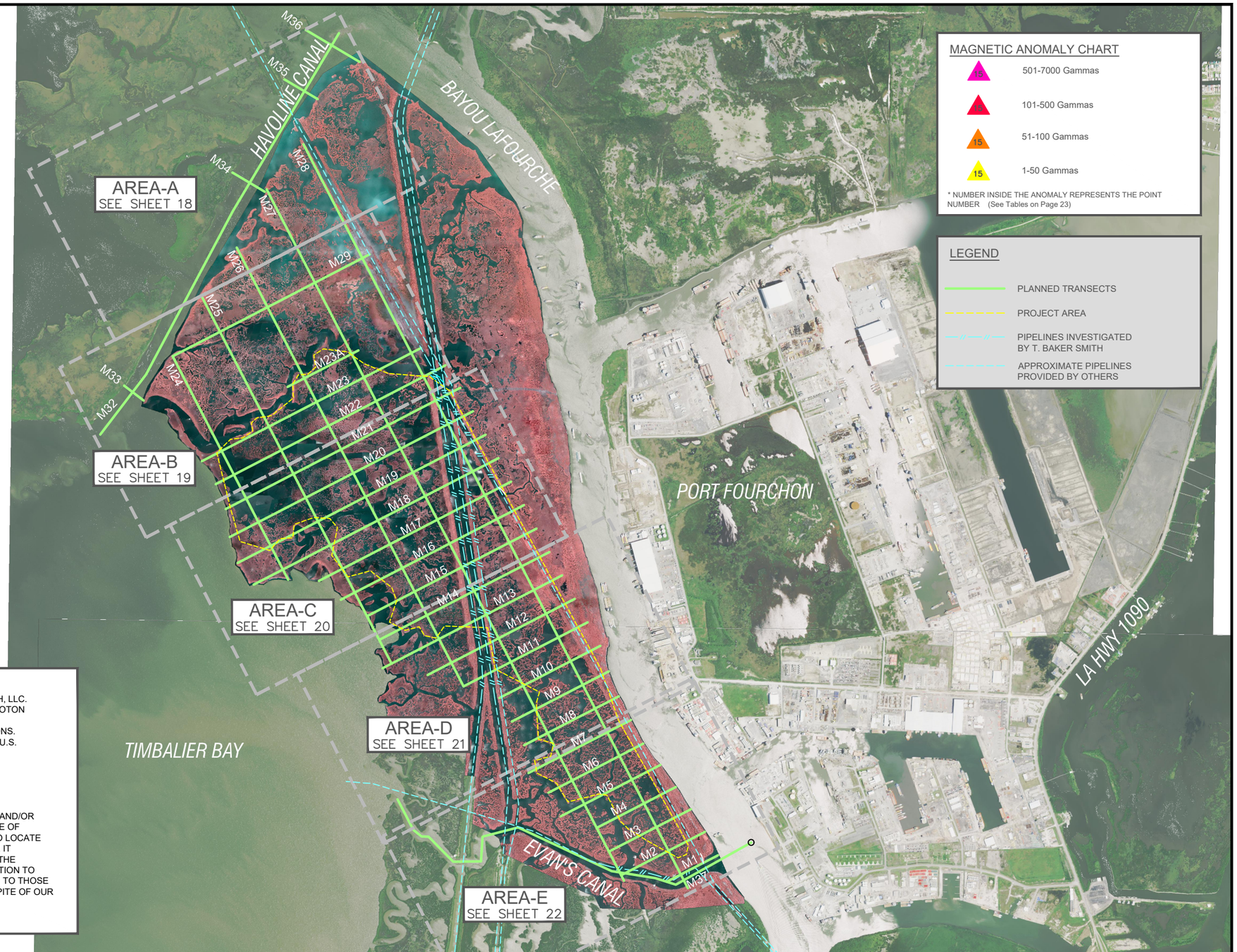
T. BAKER SMITH
SOLUTIONS BY DESIGN
418 South Larry Pate, Houma, LA 70363
geospatial • mapping • development

TRANSECTS	BEGINNING		END	
	EASTING	NORTHING	EASTING	NORTHING
M1	3,637,511	225,523	3,638,466	226,017
M2	3,636,653	225,643	3,638,225	226,455
M3	3,636,424	226,087	3,637,960	226,881
M4	3,636,194	226,531	3,637,677	227,297
M5	3,635,521	226,746	3,637,387	227,710
M6	3,635,291	227,190	3,637,068	228,108
M7	3,634,918	227,560	3,636,838	228,552
M8	3,634,832	228,078	3,636,609	228,996
M9	3,634,602	228,522	3,636,420	229,462
M10	3,634,373	228,967	3,636,263	229,943
M11	3,633,699	229,181	3,636,024	230,383
M12	3,633,025	229,396	3,635,785	230,822
M13	3,632,182	229,523	3,635,546	231,261
M14	3,632,122	230,055	3,635,307	231,701
M15	3,631,893	230,499	3,635,068	232,140
M16	3,631,399	230,807	3,634,829	232,579
M17	3,630,989	231,158	3,634,590	233,019
M18	3,629,767	231,089	3,634,353	233,459
M19	3,629,468	231,497	3,634,115	233,899
M20	3,629,319	231,983	3,633,878	234,339
M21	3,629,242	232,506	3,633,640	234,779
M22	3,629,059	232,974	3,633,362	235,198
M23	3,628,796	233,401	3,632,900	235,522
M23A	3,630,404	234,795	3,631,729	235,480
M24	3,628,250	235,370	3,630,413	231,184
M25	3,628,805	236,474	3,632,352	229,611
M26	3,629,450	237,404	3,633,699	229,181
M27	3,630,010	238,499	3,636,707	225,540
M28	3,630,700	239,342	3,637,904	225,401
M29	3,628,250	235,370	3,631,939	237,277
M32	3,626,893	233,902	3,631,367	241,426
M33	3,627,340	234,819	3,627,707	234,539
M34	3,629,371	238,812	3,629,977	238,451
M35	3,630,344	240,561	3,630,967	240,190
M36	3,630,743	241,487	3,631,755	240,884
M37	3,639,090	226,257	3,632,463	227,066

SURVEY NOTES:

1. MAGNETOMETER SURVEY PERFORMED AUGUST 16, 2016 TO AUGUST 19, 2016 BY T. BAKER SMITH, LLC.
2. SURVEY PERFORMED USING AUTOMATED HYDROGRAPHIC SURVEY SYSTEM CONSISTING OF PROTON MAGNETOMETER, RTK GPS & COMPUTER BASED DATA COLLECTION/NAVIGATION SYSTEM.
3. FIELD INVESTIGATIONS WERE PERFORMED TO DETERMINE OBSTRUCTION OR PIPELINE LOCATIONS.
4. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD 83, IN U.S. SURVEY FEET. GEOGRAPHIC COORDINATES ARE NAD 83.
5. THE VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD 88 (GEOID 12A), IN U.S. SURVEY FEET.
6. BACKGROUND IMAGERY SOURCED FROM 2013 DOQQ AERIAL PHOTOGRAPHY.

DISCLAIMER:
T. BAKER SMITH, LLC. USES PIPELINE LOCATING EQUIPMENT WHICH MAY INCLUDE MAGNETOMETERS AND/OR GRADIOMETERS IN AN EFFORT TO LOCATE UNDERGROUND AND UNDERWATER PIPELINES IN ADVANCE OF DRILLING, CONSTRUCTION, OR ABANDONMENT ACTIVITY. WHILE REASONABLE EFFORTS ARE MADE TO LOCATE ALL PIPELINES, THE EQUIPMENT USED AND THE CHARACTERISTICS OF PIPELINES THEMSELVES MAKE IT PRACTICALLY IMPOSSIBLE TO GUARANTEE TOTAL SUCCESS. ACCORDINGLY, IT IS INCUMBENT UPON THE OPERATORS AND/OR CONTRACTORS CONDUCTING OPERATIONS INCLUDING DREDGING AND EXCAVATION TO CONDUCT THEIR OPERATIONS WITH EXTREME CAUTION AND RECOGNIZE THAT HAZARDS IN ADDITION TO THOSE DETECTED AND MARKED BY T. BAKER SMITH, LLC. MAY EXIST WITHIN THE AREAS OF OPERATION IN SPITE OF OUR MOST DILIGENT EFFORTS.



CPRA

TBS T. BAKER SMITH
SOLUTIONS START HERE
412 South Van Ave, Houma, LA 70363
(985)868-1050 - tbsmith.com

SCALE IN FEET
2000' 1000' 0' 2000'

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

REVISION DESCRIPTION:
--

DRAWN BY:	EMC	APPROVED BY:	KAK
DATE:	12/8/16	JOB NO:	2016.0429
DRAWING NAME:	160429_SHEET17-24.DWG		

PROJECTION: LA SOUTH ZONE 1702
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

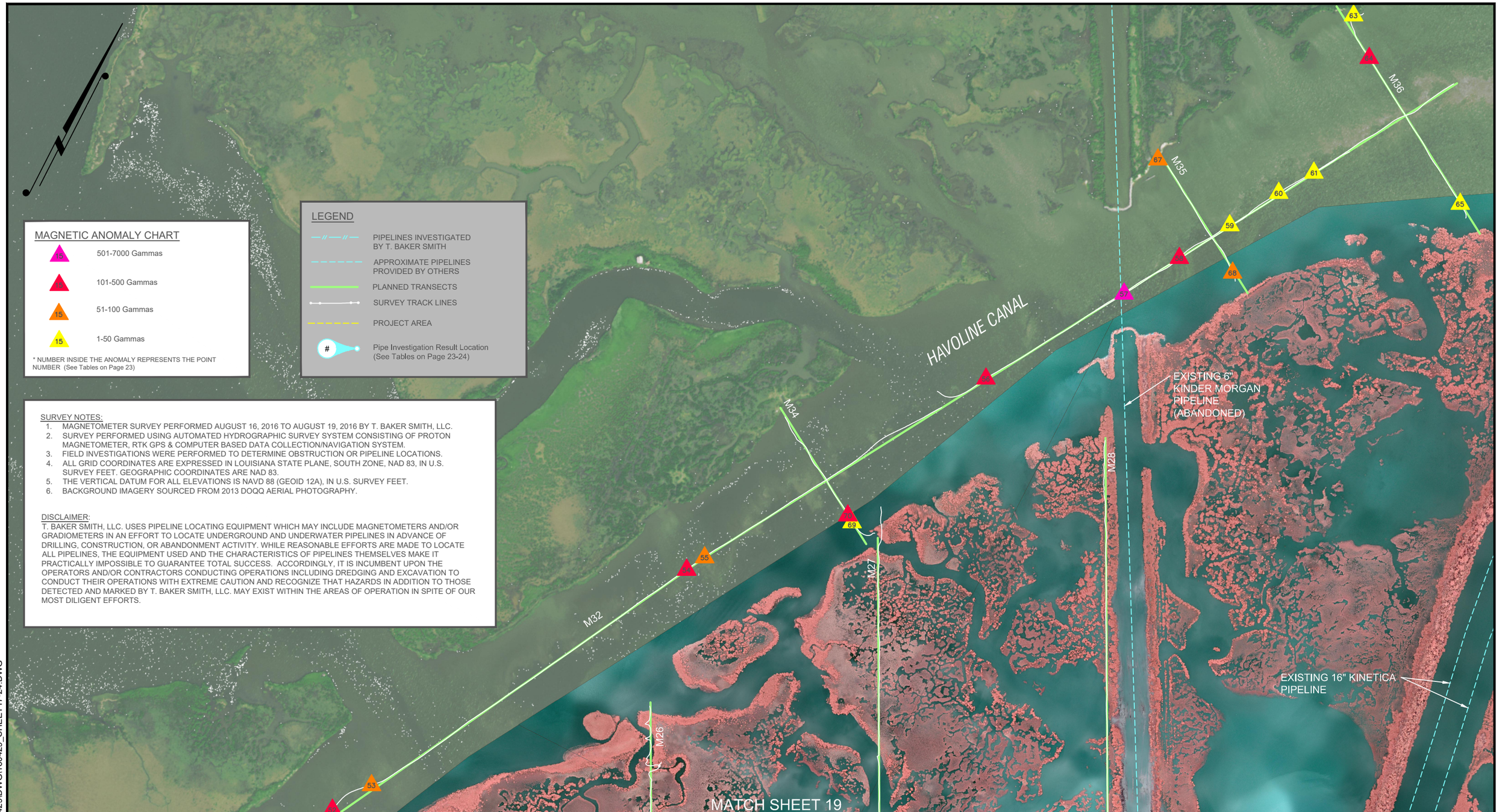
SHEET NO: 17 OF 49

MAGNETOMETER SURVEY PLAN

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)

COASTAL PROTECTION AND RESTORATION AUTHORITY OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA

1/4/2017 - P:\Y-2016\2016.0429\DWG\160429_SHEET17-24.DWG



MAGNETIC ANOMALY CHART

- 501-7000 Gammas
- 101-500 Gammas
- 51-100 Gammas
- 1-50 Gammas

* NUMBER INSIDE THE ANOMALY REPRESENTS THE POINT NUMBER (See Tables on Page 23)

LEGEND

- PIPELINES INVESTIGATED BY T. BAKER SMITH
- APPROXIMATE PIPELINES PROVIDED BY OTHERS
- PLANNED TRANSECTS
- SURVEY TRACK LINES
- PROJECT AREA
- Pipe Investigation Result Location (See Tables on Page 23-24)

SURVEY NOTES:

1. MAGNETOMETER SURVEY PERFORMED AUGUST 16, 2016 TO AUGUST 19, 2016 BY T. BAKER SMITH, LLC.
2. SURVEY PERFORMED USING AUTOMATED HYDROGRAPHIC SURVEY SYSTEM CONSISTING OF PROTON MAGNETOMETER, RTK GPS & COMPUTER BASED DATA COLLECTION/NAVIGATION SYSTEM.
3. FIELD INVESTIGATIONS WERE PERFORMED TO DETERMINE OBSTRUCTION OR PIPELINE LOCATIONS.
4. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD 83, IN U.S. SURVEY FEET. GEOGRAPHIC COORDINATES ARE NAD 83.
5. THE VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD 88 (GEOID 12A), IN U.S. SURVEY FEET.
6. BACKGROUND IMAGERY SOURCED FROM 2013 DOQQ AERIAL PHOTOGRAPHY.

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TBS T. BAKER SMITH
SOLUTIONS START HERE
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(985)868-1050 - tbsmith.com

SCALE IN FEET
400' 200' 0' 400'

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

REVISION DESCRIPTION:
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DRAWN BY:	EMC	APPROVED BY:	KAK
DATE:	12/8/16	JOB NO:	2016.0429
DRAWING NAME:	160429_SHEET17-24.DWG		

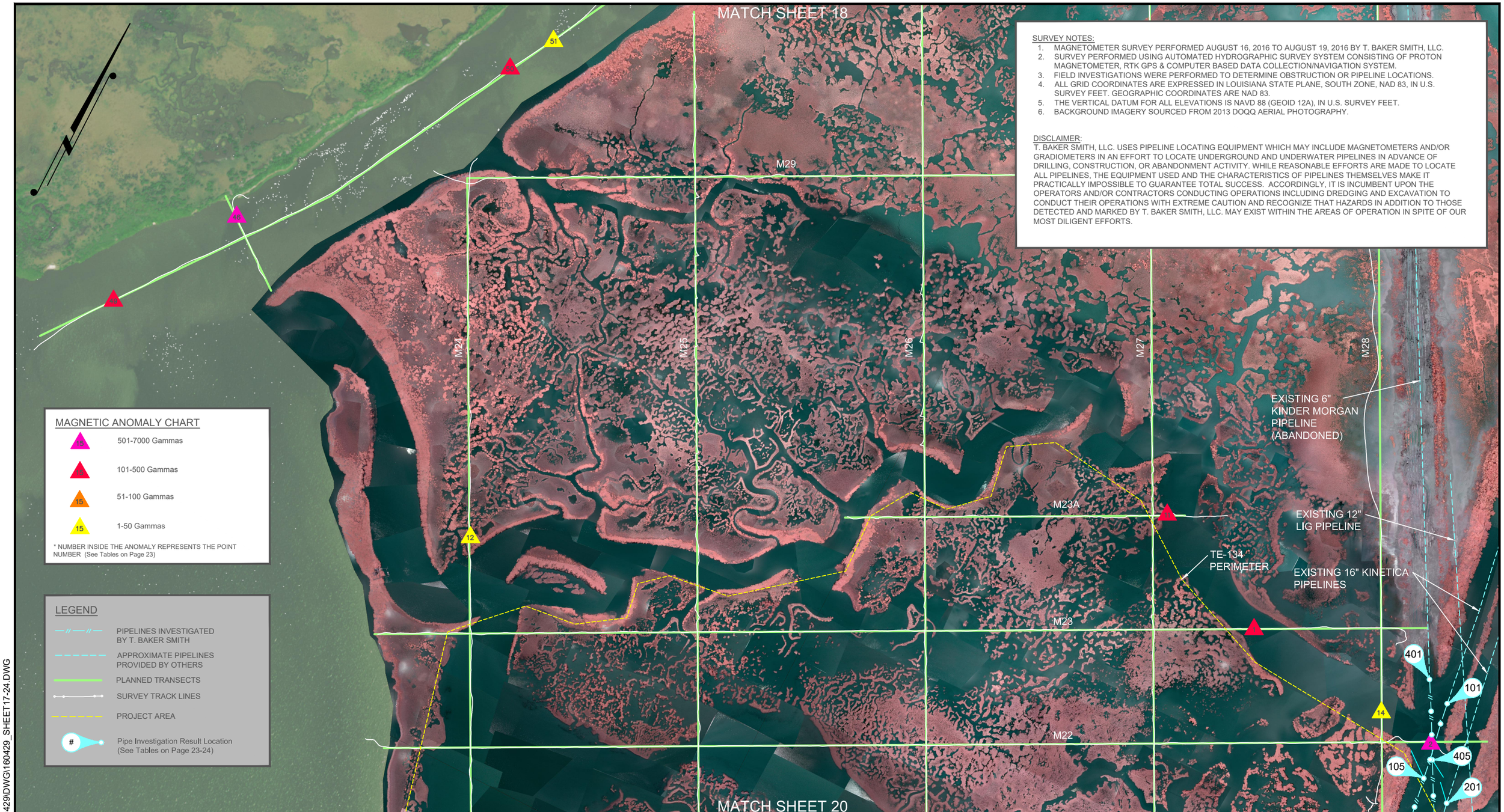
PROJECTION: LA SOUTH ZONE 1702
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SHEET NO: 18 OF 49

MAGNETOMETER SURVEY PLAN AREA-A

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)

COASTAL PROTECTION AND RESTORATION AUTHORITY OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA



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400' 200' 0' 400'

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

REVISION DESCRIPTION:
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DRAWN BY:	EMC	APPROVED BY:	KAK
DATE:	12/8/16	JOB NO:	2016.0429
DRAWING NAME:	160429_SHEET17-24.DWG		

PROJECTION: LA SOUTH ZONE 1702
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SHEET NO: 19 OF 49

MAGNETOMETER SURVEY PLAN AREA-B

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)

COASTAL PROTECTION AND RESTORATION AUTHORITY OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA

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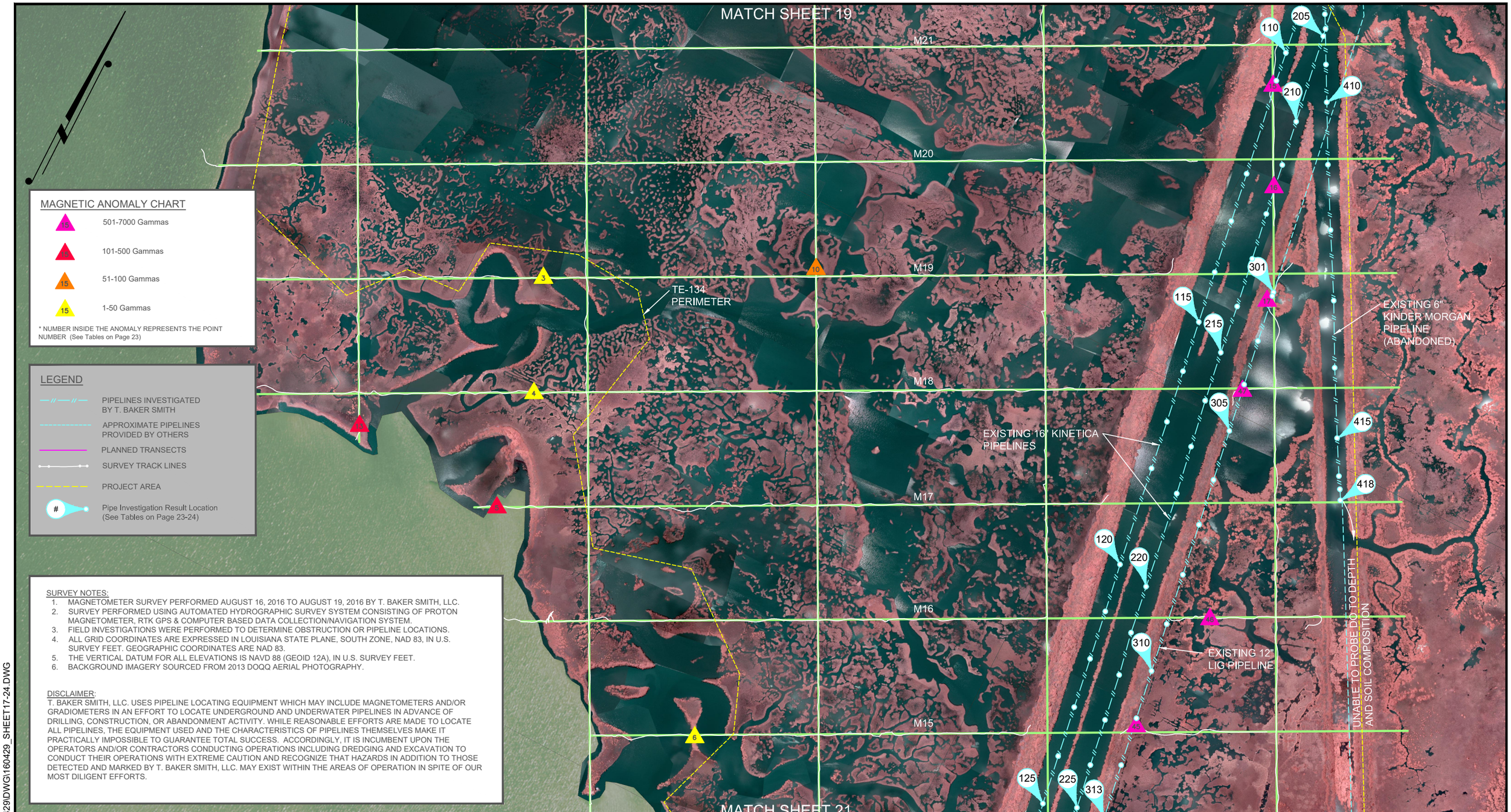

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NOTES:

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400' 200' 0' 400'

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REVISION DESCRIPTION:
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DRAWN BY:	EMC	APPROVED BY:	KAK
DATE:	12/8/16	JOB NO:	2016.0429
DRAWING NAME:	160429_SHEET17-24.DWG		

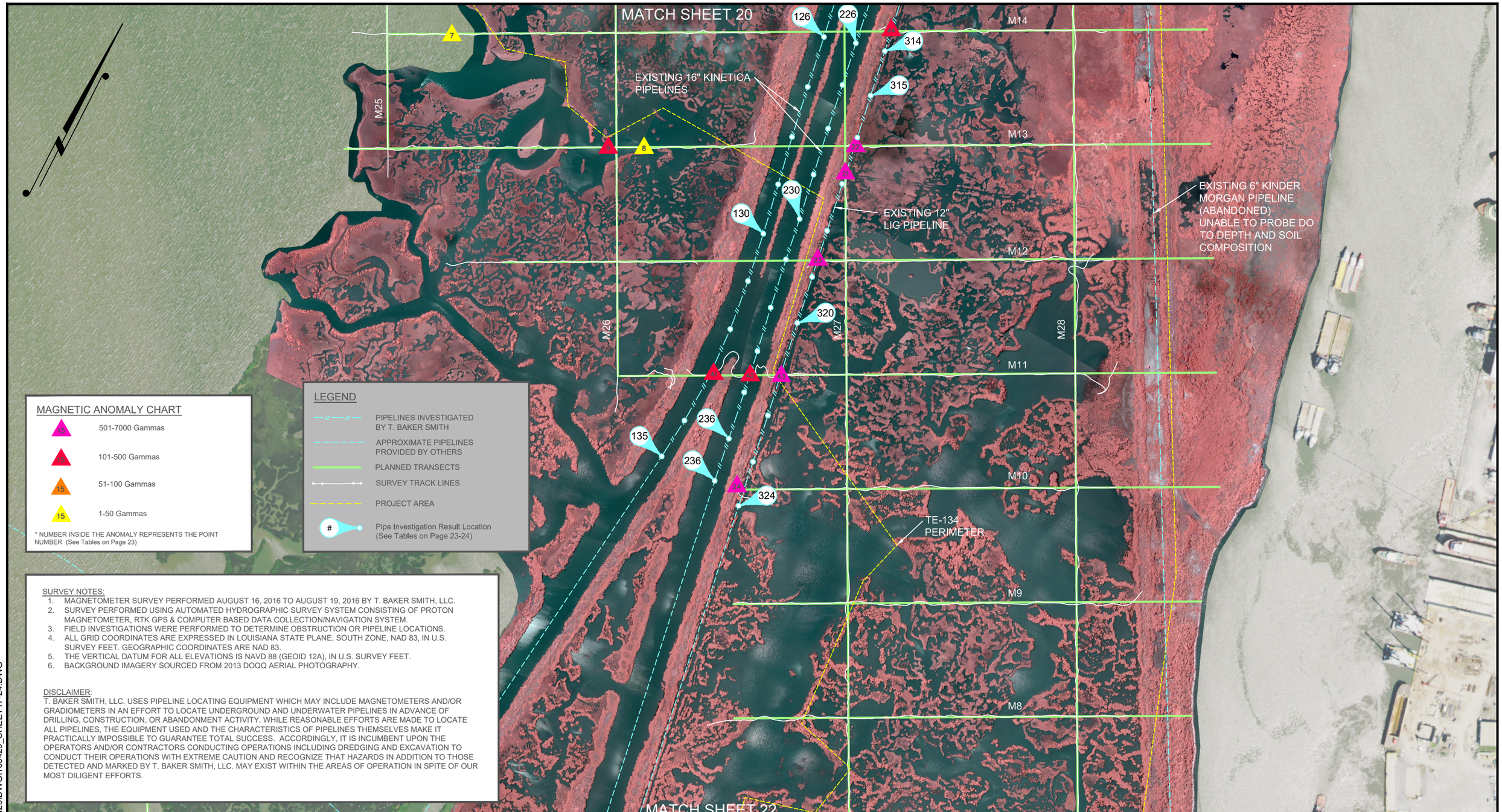
PROJECTION: LA SOUTH ZONE 1702
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SHEET NO: 20 OF 49

MAGNETOMETER SURVEY PLAN AREA-C

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)

COASTAL PROTECTION AND RESTORATION AUTHORITY OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA



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400' 200' 0' 400'

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REVISION DESCRIPTION:
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DRAWN BY:	EMC	APPROVED BY:	KAK
DATE:	12/8/16	JOB NO:	2016.0429
DRAWING NAME:	160429_SHEET17-24.DWG		

PROJECTION: LA SOUTH ZONE 1702
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SHEET NO: 21 OF 49

MAGNETOMETER SURVEY PLAN AREA-D

WEST FOURCHON MARSH CREATION
& NOURISHMENT (TE-134)
COASTAL PROTECTION AND RESTORATION AUTHORITY
OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA

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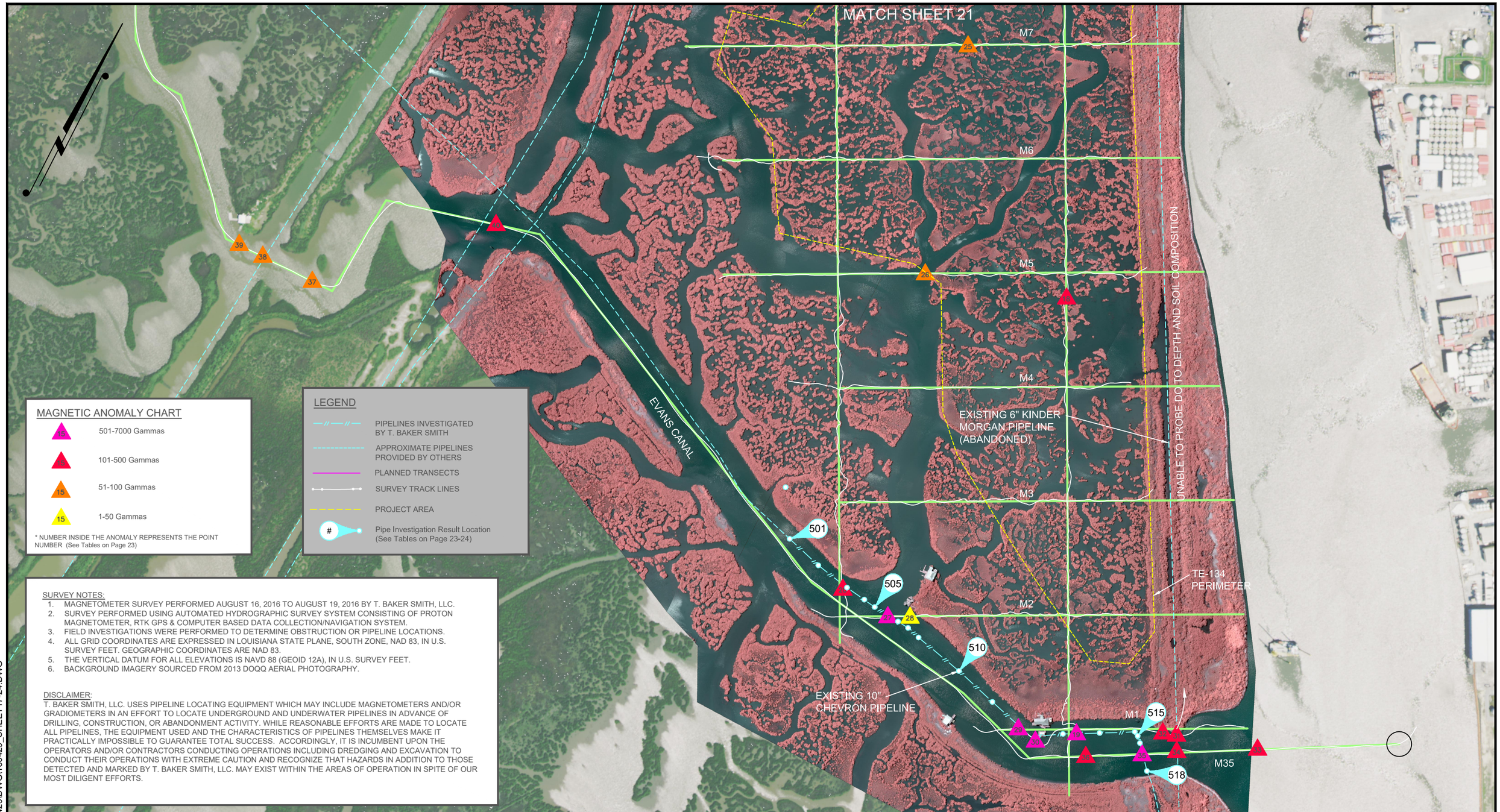

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400' 200' 0' 400'

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REVISION DESCRIPTION:
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DRAWN BY:	EMC	APPROVED BY:	KAK
DATE:	12/8/16	JOB NO:	2016.0429
DRAWING NAME:	160429_SHEET17-24.DWG		

PROJECTION: LA SOUTH ZONE 1702
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SHEET NO: 22 OF 49

MAGNETOMETER SURVEY PLAN AREA-E

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
COASTAL PROTECTION AND RESTORATION AUTHORITY OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA

1/4/2017 - P:\Y-2016\2016.0429\DWG\160429_SHEET17-24.DWG

Magnetic Anomaly Table and Investigation Results

Point No.	Coordinates (NAD 83)		Coordinates (NAD 83)		GAMMAS (nT)	INVESTIGATION RESULTS
	Easting	Northing	Latitude	Longitude		
1	3,632,225	235,175	29°08'31.28''	90°13'57.55''	226	CRAB TRAP
2	3,633,145	235,079	29°08'30.24''	90°13'47.20''	1393	PIPELINE
3	3,630,804	232,190	29°08'01.86''	90°14'13.90''	25	CLEARED
4	3,630,995	231,722	29°07'57.21''	90°14'11.80''	41	CLEARED
5	3,631,078	231,204	29°07'52.08''	90°14'10.92''	155	CRAB TRAP
6	3,632,304	230,702	29°07'46.99''	90°13'57.15''	43	CLEARED
7	3,632,375	230,181	29°07'41.83''	90°13'56.40''	25	CLEARED
8	3,633,348	230,123	29°07'41.16''	90°13'45.44''	21	CLEARED
9	3,633,208	230,053	29°07'40.48''	90°13'47.03''	215	CRAB TRAP
10	3,631,847	232,765	29°08'07.45''	90°14'02.08''	59	CLEARED
11	3,631,657	235,450	29°08'34.05''	90°14'03.93''	141	DEBRIS
12	3,628,977	233,973	29°08'19.69''	90°14'34.30''	26	CLEARED
13	3,630,382	231,249	29°07'52.58''	90°14'18.76''	203	DEBRIS
14	3,632,889	235,103	29°08'30.50''	90°13'50.08''	30	CLEARED
15	3,633,263	234,385	29°08'23.36''	90°13'45.94''	953	PIPELINE
16	3,633,468	233,992	29°08'19.45''	90°13'43.67''	902	PIPELINE
17	3,633,678	233,564	29°08'15.19''	90°13'41.34''	4524	PIPELINE
18	3,636,906	227,336	29°07'13.23''	90°13'05.64''	126	CRAB TRAP
19	3,637,810	225,655	29°06'56.50''	90°12'55.62''	703	PIPELINE
20	3,636,611	225,755	29°06'57.61''	90°13'09.13''	212	PIPELINE
21	3,634,183	230,424	29°07'44.06''	90°13'36.00''	1579	PIPELINE
22	3,634,169	230,550	29°07'45.31''	90°13'36.14''	1693	PIPELINE
23	3,634,247	230,032	29°07'40.18''	90°13'35.32''	3114	PIPELINE
24	3,634,381	228,990	29°07'29.84''	90°13'33.92''	1156	CLEARED
25	3,636,020	228,123	29°07'21.11''	90°13'15.54''	91	CRAB TRAP
26	3,636,306	227,149	29°07'11.44''	90°13'12.41''	71	CRAB TRAP
27	3,636,842	225,737	29°06'57.41''	90°13'06.53''	1554	PIPELINE
28	3,636,929	225,779	29°06'57.82''	90°13'05.54''	41	DEBRIS
29	3,637,573	225,559	29°06'55.57''	90°12'58.31''	927	PIPELINE
30	3,637,665	225,544	29°06'55.42''	90°12'57.28''	846	PIPELINE
31	3,638,203	225,849	29°06'58.38''	90°12'51.18''	355	PIPELINE
32	3,638,145	225,830	29°06'58.20''	90°12'51.83''	386	CLEARED
33	3,638,547	225,955	29°06'59.40''	90°12'47.28''	308	CLEARED
34	3,638,236	225,785	29°06'57.75''	90°12'50.81''	150	PIPELINE
35	3,638,108	225,704	29°06'56.96''	90°12'52.26''	805	PIPELINE

Magnetic Anomaly Table and Investigation Results

Point No.	Coordinates (NAD 83)		Coordinates (NAD 83)		GAMMAS (nT)	INVESTIGATION RESULTS
	Easting	Northing	Latitude	Longitude		
36	3,637,892	225,585	29°06'55.80''	90°12'54.71''	150	DEBRIS
37	3,633,929	225,901	29°06'59.32''	90°13'39.35''	50	CLEARED
38	3,633,687	225,901	29°06'59.33''	90°13'42.08''	76	CLEARED
39	3,633,571	225,900	29°06'59.34''	90°13'43.39''	87	DEBRIS
40	3,634,534	226,488	29°07'05.07''	90°13'32.47''	272	CLEARED
41	3,634,067	229,382	29°07'33.75''	90°13'37.41''	429	PIPELINE
42	3,634,213	229,448	29°07'34.40''	90°13'35.76''	123	PIPELINE
43	3,634,336	229,507	29°07'34.97''	90°13'34.37''	887	PIPELINE
44	3,634,078	231,073	29°07'50.49''	90°13'37.11''	372	PIPELINE
45	3,634,001	231,620	29°07'55.92''	90°13'37.92''	1656	PIPELINE
46	3,634,075	232,183	29°08'01.48''	90°13'37.02''	1250	CLEARED
47	3,633,749	233,137	29°08'10.95''	90°13'40.59''	916	PIPELINE
48	3,627,424	234,761	29°08'27.63''	90°14'51.73''	796	POSSIBLE ANCHOR
49	3,627,109	234,187	29°08'21.98''	90°14'55.34''	103	CRAB TRAP
50	3,628,198	235,886	29°08'38.70''	90°14'42.89''	124	DEBRIS
51	3,628,312	236,080	29°08'40.61''	90°14'41.58''	47	DEBRIS
52	3,628,421	236,354	29°08'43.31''	90°14'40.32''	197	DEBRIS
53	3,628,525	236,528	29°08'45.02''	90°14'39.13''	82	DEBRIS
54	3,629,327	237,995	29°08'59.47''	90°14'29.93''	140	DEBRIS
55	3,629,372	238,080	29°09'00.30''	90°14'29.41''	59	DEBRIS
56	3,630,115	239,337	29°09'12.68''	90°14'20.90''	343	DEBRIS
57	3,630,485	239,943	29°09'18.64''	90°14'16.66''	1011	PIPELINE
58	3,630,630	240,193	29°09'21.10''	90°14'15.00''	218	CRAB TRAP
59	3,630,761	240,421	29°09'23.34''	90°14'13.49''	17	CLEARED
60	3,630,888	240,644	29°09'25.54''	90°14'12.04''	38	CLEARED
61	3,630,985	240,793	29°09'27.01''	90°14'10.93''	27	CLEARED
62	3,631,051	240,901	29°09'28.07''	90°14'10.18''	56	CLEARED
63	3,630,827	241,486	29°09'33.89''	90°14'12.64''	32	CLEARED
64	3,630,973	241,351	29°09'32.53''	90°14'11.01''	279	CRAB TRAP
65	3,631,618	240,963	29°09'28.63''	90°14'03.77''	50	CLEARED
66	3,631,521	241,021	29°09'29.21''	90°14'04.86''	64	CLEARED
67	3,630,350	240,535	29°09'24.51''	90°14'18.12''	82	CRAB TRAP
68	3,630,867	240,241	29°09'21.56''	90°14'12.32''	65	CRAB TRAP
69	3,629,878	238,510	29°09'04.51''	90°14'23.66''	41	CLEARED
70	3,629,848	238,528	29°09'04.70''	90°14'24.00''	297	CRAB TRAP

16" KINETICA PIPELINE

DRAWING NO.	SURVEY STA	COORDINATES (NAD83)		COORDINATES (NAD83)		T.O.P. ELEV (NAVD88)	COVER
		EASTING	NORTHING	LATITUDE	LONGITUDE		
COPY	0+00	3,633,130	235,267	29°08'32.10''	90°13'47.34''	-10.1	7.4
102	0+94	3,633,145	235,175	29°08'31.19''	90°13'47.19''	-8.1	7.1
103	1+81	3,633,161	235,088	29°08'30.33''	90°13'47.01''	-7.6	6.9
104	2+58	3,633,175	235,013	29°08'29.59''	90°13'46.86''	-8.1	7.7
105	3+44	3,633,187	234,928	29°08'28.74''	90°13'46.73''	-11.9	11.2
106	3+74	3,633,193	234,899	29°08'28.45''	90°13'46.67''	-12.7	11.8
107	4+76	3,633,209	234,797	29°08'27.44''	90°13'46.50''	-12.6	11.7
108	5+52	3,633,220	234,722	29°08'26.70''	90°13'46.39''	-13.2	11.7
109	6+30	3,633,233	234,645	29°08'25.94''	90°13'46.25''	-13.8	12.6
110	7+40	3,633,249	234,537	29°08'24.86''	90°13'46.08''	-12.9	11.8
111	8+68	3,633,267	234,410	29°08'23.60''	90°13'45.89''	-12.8	11.6
112	12+95	3,633,336	233,989	29°08'19.43''	90°13'45.16''	-13.5	12.4
113	15+13	3,633,370	233,773	29°08'17.29''	90°13'44.80''	-14.9	13.8
114	17+47	3,633,407	233,542	29°08'15.00''	90°13'44.41''	-12.0	10.5
115	19+76	3,633,444	233,316	29°08'12.76''	90°13'44.02''	-13.1	11.5
116	22+02	3,633,479	233,093	29°08'10.55''	90°13'43.64''	-12.6	11.0
117	24+33	3,633,517	232,865	29°08'08.29''	90°13'43.24''	-12.7	10.6
118	26+47	3,633,550	232,653	29°08'06.19''	90°13'42.89''	-12.5	10.4
119	28+70	3,633,583	232,433	29°08'04.01''	90°13'42.54''	-12.9	10.8
120	30+90	3,633,618	232,216	29°08'01.86''	90°13'42.17''	-13.4	11.3
121	33+04	3,633,654	232,005	29°07'59.76''	90°13'41.79''	-13.9	11.9
122	35+22	3,633,688	231,790	29°07'57.63''	90°13'41.42''	-13.5	11.6
123	37+44	3,633,722	231,570	29°07'55.45''	90°13'41.06''	-14.7	12.6
124	39+69	3,633,757	231,348	29°07'53.24''	90°13'40.69''	-14.1	11.8
125	41+87	3,633,792	231,132	29°07'51.11''	90°13'40.33''	-13.4	11.1
126	44+12	3,633,829	230,911	29°07'48.92''	90°13'39.93''	-13.4	11.1
127	46+42	3,633,865	230,684	29°07'46.67''	90°13'39.55''	-16.0	13.7
128	48+70	3,633,903	230,459	29°07'44.43''	90°13'39.14''	-15.3	12.7
129	50+87	3,633,943	230,246	29°07'42.32''	90°13'38.71''	-14.5	12.2
130	53+12	3,633,984	230,024	29°07'40.12''	90°13'38.28''	-13.7	11.6
131	55+29	3,634,018	229,810	29°07'38.00''	90°13'37.92''	-13.7	11.9
132	57+53	3,634,044	229,588	29°07'35.79''	90°13'37.65''	-14.1	12.0
133	59+84	3,634,056	229,357	29°07'33.51''	90°13'37.54''	-13.3	9.9
134	62+01	3,634,047	229,140	29°07'31.36''	90°13'37.67''	-14.9	10.8
135	63+87	3,634,030	228,955	29°07'29.54''	90°13'37.88''	-13.1	10.2

Note:
All anomalies investigated by conventional crew by probing a 25 foot radius around anomaly. Investigation results showing "cleared" denote nothing located in the area.

1/4/2017 - P:\Y-2016\2016.0429\DWG\160429_SHEET17-24.DWG

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(985)868-1050 - tbsmith.com

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

REVISION DESCRIPTION:
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DRAWN BY:	EMC	APPROVED BY:	KAK
DATE:	12/8/16	JOB NO:	2016.0429
DRAWING NAME:	160429_SHEET17-24.DWG		

PROJECTION: LA SOUTH ZONE 1702
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SHEET NO: 23 OF 49

MAGNETOMETER SURVEY (TABLES)

WEST FOURCHON MARSH CREATION
& NOURISHMENT (TE-134)
COASTAL PROTECTION AND RESTORATION AUTHORITY
OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA

16" KINETICA PIPELINE

DRAWING NO.	SURVEY STA	COORDINATES (NAD83)		COORDINATES (NAD83)		T.O.P. ELEV (NAVD88)	COVER
		EASTING	NORTHING	LATITUDE	LONGITUDE		
201	0+00	3,633,326	234,876	29°08'28.21''	90°13'45.17''	-10.6	9.5
202	0+59	3,633,337	234,818	29°08'27.64''	90°13'45.05''	-10.0	8.9
203	1+07	3,633,345	234,771	29°08'27.17''	90°13'44.97''	-9.8	8.1
204	1+69	3,633,356	234,709	29°08'26.56''	90°13'44.85''	-10.6	9.1
205	2+03	3,633,361	234,676	29°08'26.23''	90°13'44.80''	-10.8	9.5
206	2+60	3,633,371	234,620	29°08'25.67''	90°13'44.70''	-11.4	10.1
207	2+95	3,633,376	234,585	29°08'25.33''	90°13'44.64''	-11.6	10.2
208	3+85	3,633,390	234,496	29°08'24.45''	90°13'44.49''	-11.6	8.8
209	4+46	3,633,401	234,437	29°08'23.86''	90°13'44.38''	-12.2	9.4
210	5+94	3,633,425	234,290	29°08'22.40''	90°13'44.12''	-11.7	10.6
211	7+93	3,633,457	234,094	29°08'20.46''	90°13'43.78''	-12.0	10.6
212	10+18	3,633,492	233,871	29°08'18.25''	90°13'43.41''	-12.0	10.2
213	12+24	3,633,526	233,668	29°08'16.24''	90°13'43.04''	-12.2	10.4
214	14+42	3,633,562	233,453	29°08'14.11''	90°13'42.67''	-11.6	9.5
215	16+56	3,633,590	233,241	29°08'12.01''	90°13'42.38''	-12.5	10.2
216	18+77	3,633,624	233,023	29°08'09.84''	90°13'42.01''	-12.7	10.4
217	20+87	3,633,661	232,816	29°08'07.79''	90°13'41.62''	-12.4	10.1
218	23+02	3,633,698	232,605	29°08'05.70''	90°13'41.23''	-12.0	9.9
219	25+30	3,633,734	232,379	29°08'03.46''	90°13'40.84''	-11.7	9.4
220	27+29	3,633,763	232,182	29°08'01.51''	90°13'40.54''	-11.8	10.1
221	29+41	3,633,796	231,973	29°07'59.43''	90°13'40.19''	-11.6	9.9
222	31+33	3,633,834	231,784	29°07'57.56''	90°13'39.79''	-10.2	8.5
223	33+39	3,633,868	231,581	29°07'55.55''	90°13'39.42''	-11.5	9.1
224	35+46	3,633,900	231,377	29°07'53.52''	90°13'39.08''	-12.2	10.0
225	37+42	3,633,932	231,184	29°07'51.61''	90°13'38.74''	-11.8	9.3
226	39+78	3,633,966	230,951	29°07'49.29''	90°13'38.39''	-12.2	9.7
227	41+70	3,633,997	230,761	29°07'47.42''	90°13'38.06''	-11.0	8.6
228	43+70	3,634,027	230,563	29°07'45.45''	90°13'37.73''	-12.3	9.6
229	45+82	3,634,062	230,354	29°07'43.38''	90°13'37.37''	-12.4	9.8
230	47+85	3,634,096	230,153	29°07'41.39''	90°13'37.01''	-11.6	9.0
231	49+72	3,634,123	229,969	29°07'39.56''	90°13'36.72''	-12.3	9.8
232	51+92	3,634,159	229,751	29°07'37.40''	90°13'36.34''	-12.4	10.3
233	53+92	3,634,194	229,555	29°07'35.46''	90°13'35.97''	-11.8	5.1
234	55+81	3,634,224	229,368	29°07'33.61''	90°13'35.65''	-12.1	8.2
235	57+94	3,634,256	229,158	29°07'31.52''	90°13'35.31''	-12.2	8.7
236	59+88	3,634,285	228,965	29°07'29.61''	90°13'35.01''	-12.5	8.8

12" LIG PIPELINE

DRAWING NO.	SURVEY STA	COORDINATES (NAD83)		COORDINATES (NAD83)		T.O.P. ELEV (NAVD88)	COVER
		EASTING	NORTHING	LATITUDE	LONGITUDE		
301	0+00	3,633,675	233,580	29°08'15.35''	90°13'41.38''	-3.7	3.9
302	0+09	3,633,677	233,571	29°08'15.26''	90°13'41.36''	-3.6	3.8
303	2+23	3,633,711	233,360	29°08'13.17''	90°13'40.99''	-3.5	3.8
304	4+22	3,633,744	233,163	29°08'11.22''	90°13'40.64''	-5.1	4.0
305	6+35	3,633,779	232,953	29°08'09.14''	90°13'40.28''	-4.5	3.5
306	8+60	3,633,814	232,731	29°08'06.93''	90°13'39.90''	-4.5	4.1
307	10+66	3,633,846	232,527	29°08'04.91''	90°13'39.56''	-4.7	4.7
308	12+95	3,633,882	232,301	29°08'02.67''	90°13'39.18''	-4.8	4.5
309	15+22	3,633,918	232,077	29°08'00.45''	90°13'38.81''	-4.5	4.1
310	17+38	3,633,952	231,864	29°07'58.34''	90°13'38.44''	-4.2	4.4
311	19+54	3,633,986	231,650	29°07'56.22''	90°13'38.08''	-4.7	4.5
312	21+70	3,634,020	231,437	29°07'54.11''	90°13'37.72''	-4.4	4.3
313	24+12	3,634,058	231,199	29°07'51.74''	90°13'37.32''	-4.6	3.8
314	26+36	3,634,095	230,977	29°07'49.54''	90°13'36.93''	-4.8	4.0
315	28+40	3,634,128	230,776	29°07'47.55''	90°13'36.58''	-4.4	4.0
316	30+33	3,634,159	230,586	29°07'45.66''	90°13'36.25''	-4.3	4.3
317	32+46	3,634,192	230,375	29°07'43.57''	90°13'35.90''	-4.9	4.2
318	34+62	3,634,226	230,162	29°07'41.47''	90°13'35.54''	-4.5	4.1
319	36+74	3,634,260	229,953	29°07'39.39''	90°13'35.18''	-4.9	4.1
320	38+85	3,634,294	229,744	29°07'37.32''	90°13'34.82''	-4.8	4.1
321	40+99	3,634,327	229,533	29°07'35.23''	90°13'34.47''	-5.3	4.4
322	43+10	3,634,362	229,325	29°07'33.17''	90°13'34.09''	-4.8	3.8
323	45+22	3,634,396	229,115	29°07'31.09''	90°13'33.74''	-4.5	4.7
324	47+25	3,634,427	228,915	29°07'29.10''	90°13'33.40''	-4.5	3.9

6" KINDER MORGAN PIPELINE (ABANDONED)

DRAWING NO.	SURVEY STA	COORDINATES (NAD83)		COORDINATES (NAD83)		T.O.P. ELEV (NAVD88)	COVER
		EASTING	NORTHING	LATITUDE	LONGITUDE		
401	0+00	3,633,013	235,326	29°08'32.70''	90°13'48.65''	-12.7	12.9
402	1+40	3,633,083	235,205	29°08'31.49''	90°13'47.88''	-12.9	11.5
403	2+43	3,633,132	235,114	29°08'30.59''	90°13'47.34''	-12.8	10.8
404	3+04	3,633,161	235,061	29°08'30.06''	90°13'47.01''	-12.5	11.7
405	3+54	3,633,184	235,017	29°08'29.62''	90°13'46.76''	-13.0	12.2
406	5+12	3,633,260	234,878	29°08'28.24''	90°13'45.92''	-14.2	13.4
407	6+42	3,633,324	234,765	29°08'27.11''	90°13'45.21''	-15.7	13.9
408	7+39	3,633,370	234,679	29°08'26.26''	90°13'44.70''	-15.2	13.5
409	8+62	3,633,428	234,571	29°08'25.18''	90°13'44.06''	-14.5	12.7
410	10+26	3,633,506	234,426	29°08'23.74''	90°13'43.20''	-12.6	11.0
411	12+99	3,633,634	234,185	29°08'21.34''	90°13'41.77''	-13.5	11.7
412	15+85	3,633,774	233,936	29°08'18.86''	90°13'40.22''	-13.1	11.6
413	18+94	3,633,927	233,667	29°08'16.19''	90°13'38.53''	-12.6	12.1
414	21+87	3,634,063	233,408	29°08'13.61''	90°13'37.02''	-12.5	11.9
415	24+95	3,634,212	233,139	29°08'10.93''	90°13'35.37''	-11.2	10.6
416	26+61	3,634,295	232,994	29°08'09.49''	90°13'34.46''	-12.3	11.8
417	27+19	3,634,325	232,945	29°08'09.00''	90°13'34.12''	-13.1	12.5
418	27+67	3,634,348	232,903	29°08'08.58''	90°13'33.86''	-13.9	13.3

10" CHEVRON PIPELINE

DRAWING NO.	SURVEY STA	COORDINATES (NAD83)		COORDINATES (NAD83)		T.O.P. ELEV (NAVD88)	COVER
		EASTING	NORTHING	LATITUDE	LONGITUDE		
501	0+00	3,636,304	225,846	29°06'58.54''	90°13'12.59''	-15.7	8.0
502	1+71	3,636,468	225,800	29°06'58.06''	90°13'10.74''	-16.0	8.5
503	3+30	3,636,624	225,770	29°06'57.75''	90°13'08.98''	-14.2	6.4
506	5+39	3,636,831	225,743	29°06'57.47''	90°13'06.65''	-16.1	7.8
509	7+16	3,637,003	225,717	29°06'57.20''	90°13'04.72''	-13.2	5.7
510	9+46	3,637,227	225,667	29°06'56.68''	90°13'02.20''	-14.2	7.1
511	11+45	3,637,419	225,613	29°06'56.12''	90°13'00.04''	-16.6	11.5
512	14+84	3,637,758	225,628	29°06'56.24''	90°12'56.22''	-14.8	12.4
513	16+45	3,637,899	225,704	29°06'56.98''	90°12'54.62''	-15.1	11.5
514	17+99	3,638,034	225,779	29°06'57.71''	90°12'53.09''	-14.2	10.8
515	18+21	3,638,054	225,769	29°06'57.61''	90°12'52.87''	-15.9	12.6
516	18+54	3,638,076	225,745	29°06'57.37''	90°12'52.61''	-18.9	14.4
517	19+17	3,638,118	225,698	29°06'56.90''	90°12'52.15''	-19.1	2.8
518	19+80	3,638,159	225,650	29°06'56.42''	90°12'51.69''	-20.0	--
504	4+25	3,636,718	225,756	29°06'57.61''	90°13'07.93''	-14.1	6.1
505	4+78	3,636,771	225,749	29°06'57.53''	90°13'07.33''	-13.2	6.1
507	5+98	3,636,890	225,737	29°06'57.40''	90°13'05.99''	-14.6	2.5
508	6+52	3,636,943	225,734	29°06'57.37''	90°13'05.39''	-16.6	6.4

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

REVISION DESCRIPTION:
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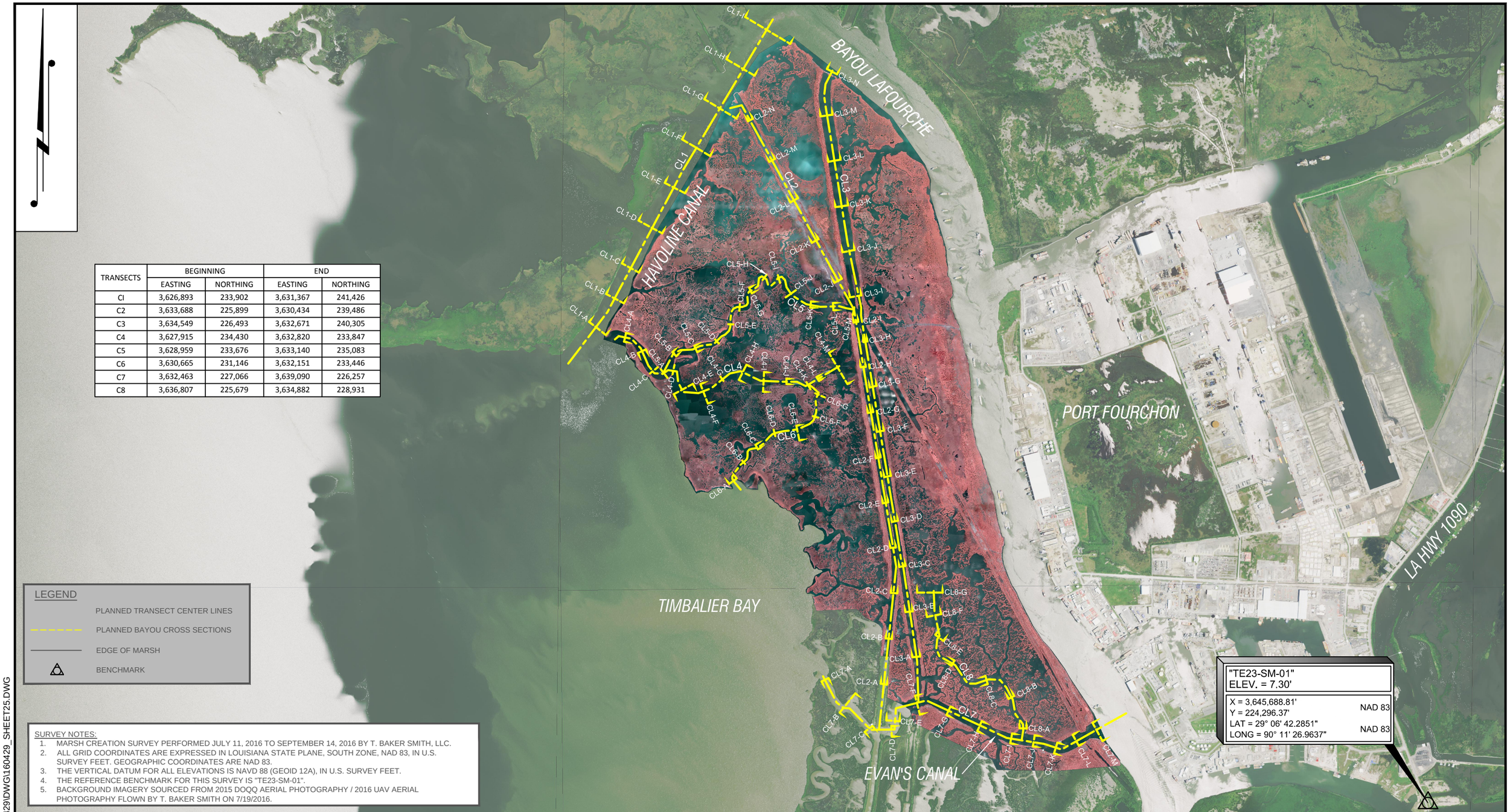
DRAWN BY: EMC | APPROVED BY: KAK
DATE: 12/8/16 | JOB NO: 2016.0429
DRAWING NAME: 160429_SHEET17-24.DWG
PROJECTION: LA SOUTH ZONE 1702
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET
SHEET NO: 24 OF 49

PIPELINE INVESTIGATION (TABLES)

WEST FOURCHON MARSH CREATION
& NOURISHMENT (TE-134)
COASTAL PROTECTION AND RESTORATION AUTHORITY
OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA



TRANSECTS	BEGINNING		END	
	EASTING	NORTHING	EASTING	NORTHING
CI	3,626,893	233,902	3,631,367	241,426
C2	3,633,688	225,899	3,630,434	239,486
C3	3,634,549	226,493	3,632,671	240,305
C4	3,627,915	234,430	3,632,820	233,847
C5	3,628,959	233,676	3,633,140	235,083
C6	3,630,665	231,146	3,632,151	233,446
C7	3,632,463	227,066	3,639,090	226,257
C8	3,636,807	225,679	3,634,882	228,931

LEGEND

- PLANNED TRANSECT CENTER LINES
- PLANNED BAYOU CROSS SECTIONS
- EDGE OF MARSH
- BENCHMARK

SURVEY NOTES:

1. MARSH CREATION SURVEY PERFORMED JULY 11, 2016 TO SEPTEMBER 14, 2016 BY T. BAKER SMITH, LLC.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD 83, IN U.S. SURVEY FEET. GEOGRAPHIC COORDINATES ARE NAD 83.
3. THE VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD 88 (GEOID 12A), IN U.S. SURVEY FEET.
4. THE REFERENCE BENCHMARK FOR THIS SURVEY IS "TE23-SM-01".
5. BACKGROUND IMAGERY SOURCED FROM 2015 DOQQ AERIAL PHOTOGRAPHY / 2016 UAV AERIAL PHOTOGRAPHY FLOWN BY T. BAKER SMITH ON 7/19/2016.

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SCALE IN FEET
2000' 1000' 0' 2000'

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

REVISION DESCRIPTION:
--

DRAWN BY: EMC	APPROVED BY: KJK
DATE: 12/08/16	JOB NO: 2016.0429
DRAWING NAME: 160429_SHEET25.DWG	
PROJECTION: LA SOUTH ZONE 1702 GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET	
SHEET NO: 25 OF 49	

CENTER LINES SURVEY PLAN OVERVIEW

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)

COASTAL PROTECTION AND RESTORATION AUTHORITY OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA

1/3/2017 - P:\Y-2016\2016.0429\DWG\160429_SHEET25.DWG

HORIZONTAL SCALE: 1" = 500'

500' 250' 0' 500'

VERTICAL SCALE: 1" = 50'

10' 5' 0' 10'

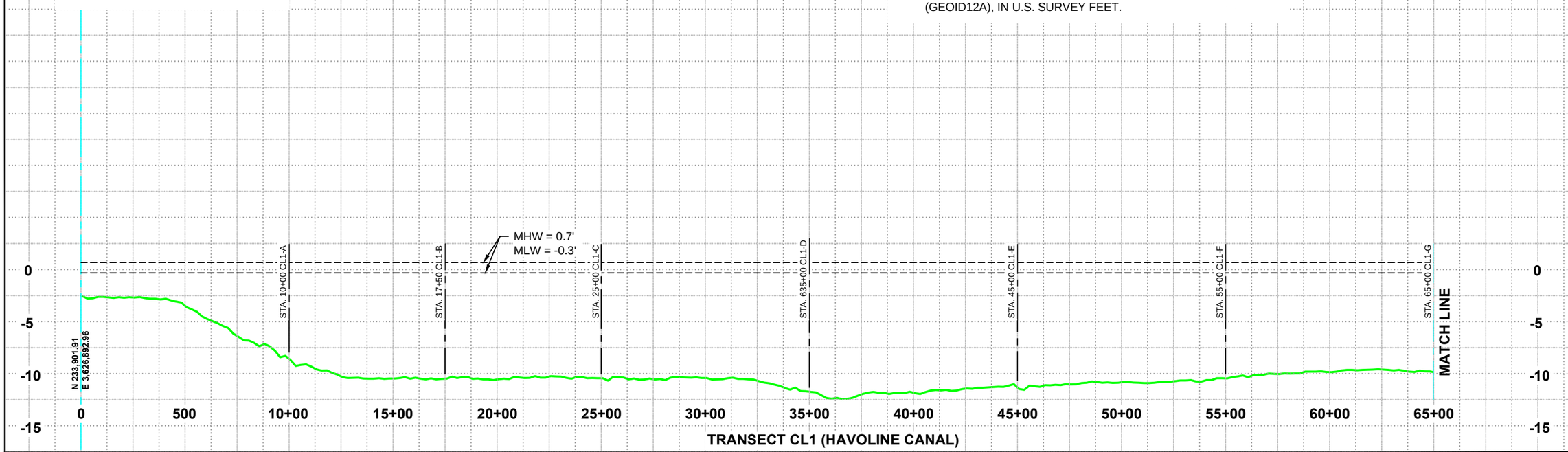
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

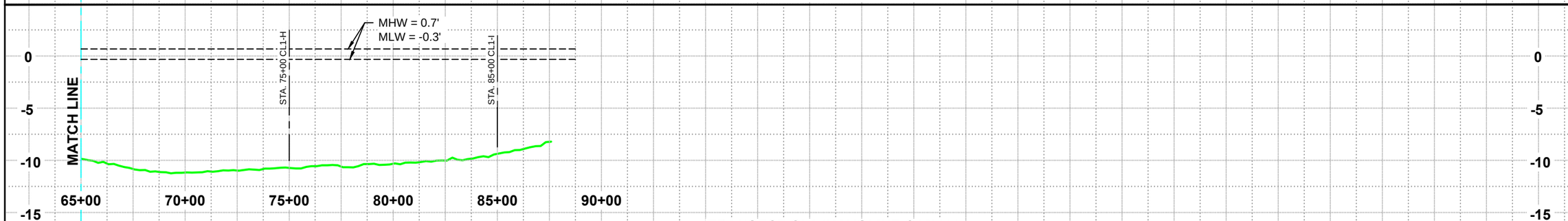
WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING NORTHWESTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



TRANSECT CL1 (HAVOLINE CANAL)



TRANSECT CL1 (HAVOLINE CANAL)

CROSS SECTIONS
CENTERLINE 1

DATE: 12/08/2016

SHEET 26 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
A DIVISION OF T. BAKER SMITH, LLC
4150 South Airport Rd., Houma, LA 70363
985.868.1200 - Houma

HORIZONTAL SCALE: 1" = 100'
100' 50' 0' 100'
VERTICAL SCALE: 1" = 10'
10' 5' 0' 10'

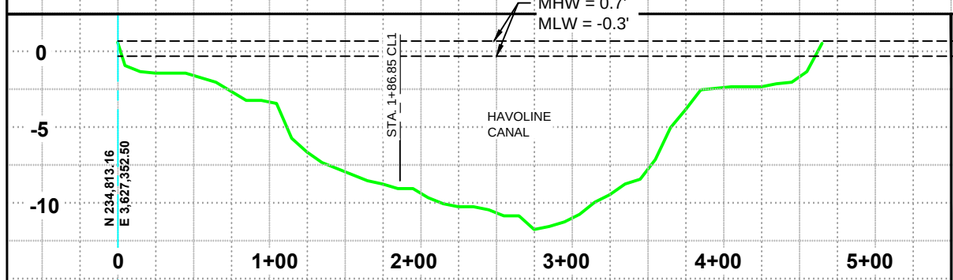
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

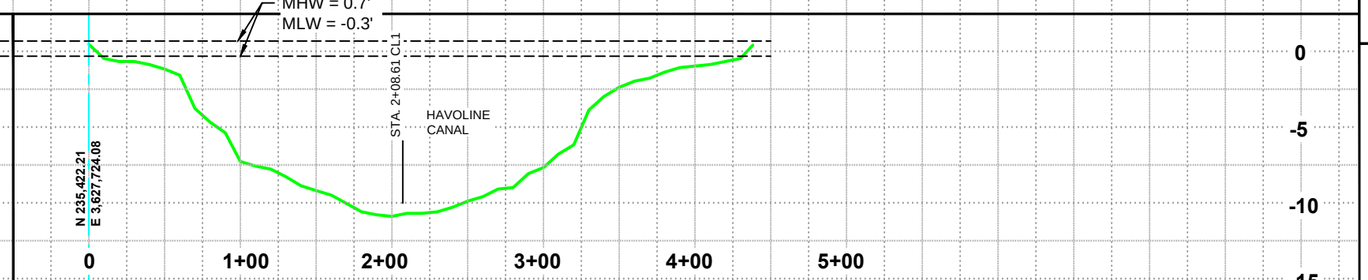
WATER SURFACE

NOTES

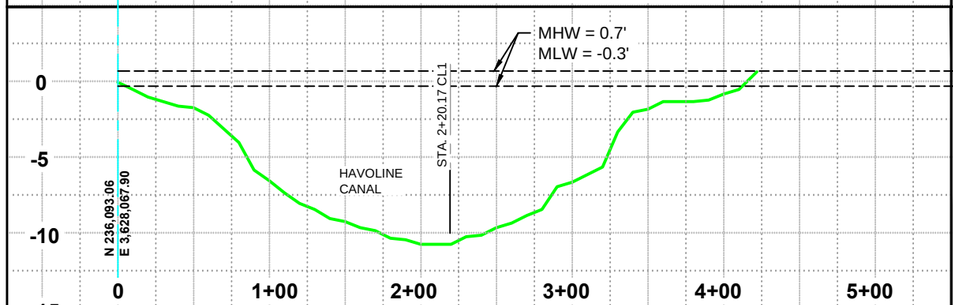
1. ALL PROFILES SHOWN ARE LOOKING AS NOTED.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



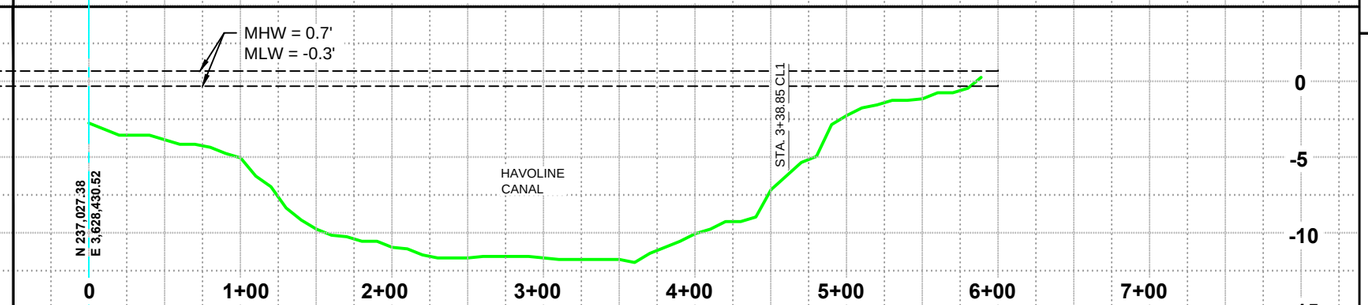
TRANSECT CL1-A (LOOKING NE)



TRANSECT CL1-B (LOOKING NE)



TRANSECT CL1-C (LOOKING NE)



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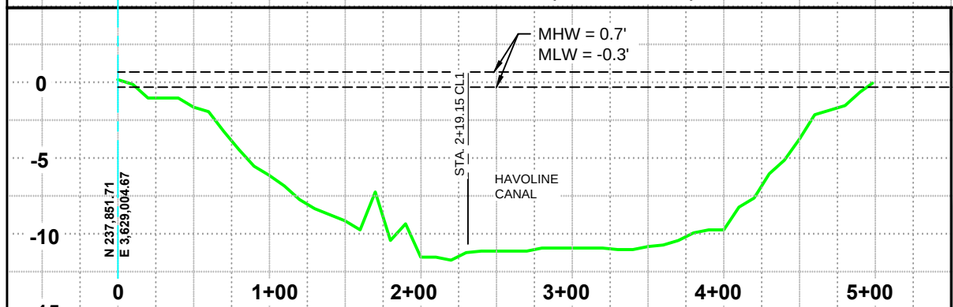
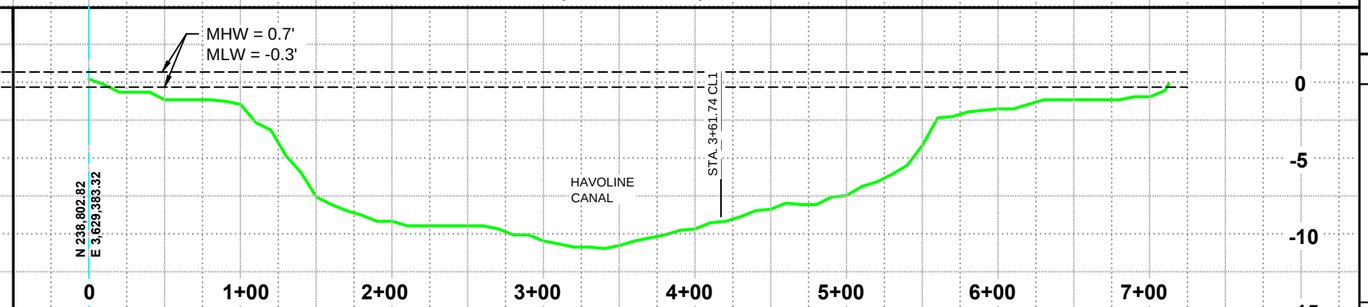
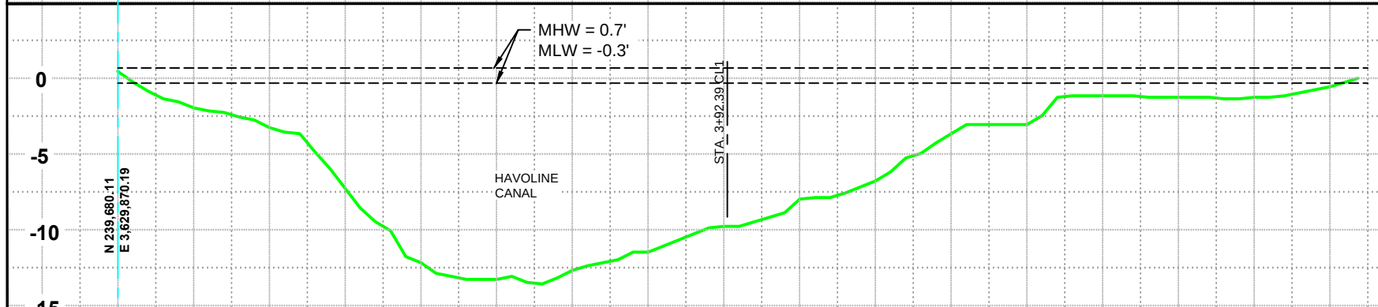


TRANSECT CL1-E (LOOKING NE)



TRANSECT CL1-F (LOOKING NE)



TRANSECT CL1-G (LOOKING NE)

CROSS SECTIONS
CENTERLINE 1

SHEET 27 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
ENGINEERS & PLANNERS
419 South Jerry Ave. Houma, LA 70363
(985)851-1888 - Servicing Louisiana

HORIZONTAL SCALE: 1" = 100'

100' 50' 0' 100'

VERTICAL SCALE: 1" = 10'

10' 5' 0' 10'

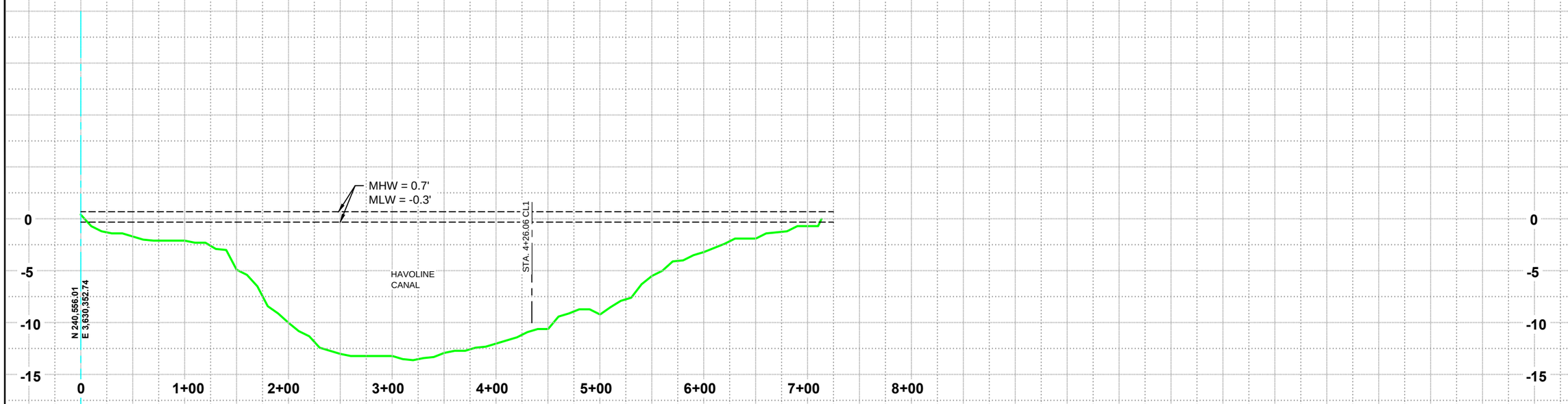
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

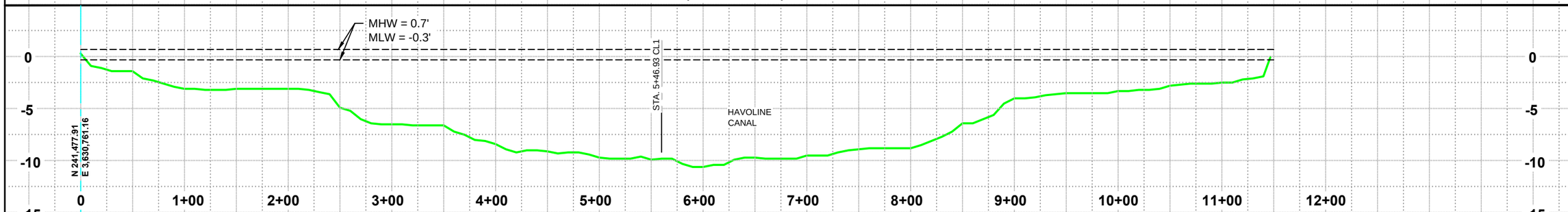
WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING AS NOTED.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



TRANSECT CL1-H (LOOKING NE)



TRANSECT CL1-I (LOOKING NE)

CROSS SECTIONS
CENTERLINE 1

DATE: 12/08/2016

SHEET 28 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH

HORIZONTAL SCALE: 1" = 500'

500' 250' 0' 500'

VERTICAL SCALE: 1" = 50'

10' 5' 0' 10'

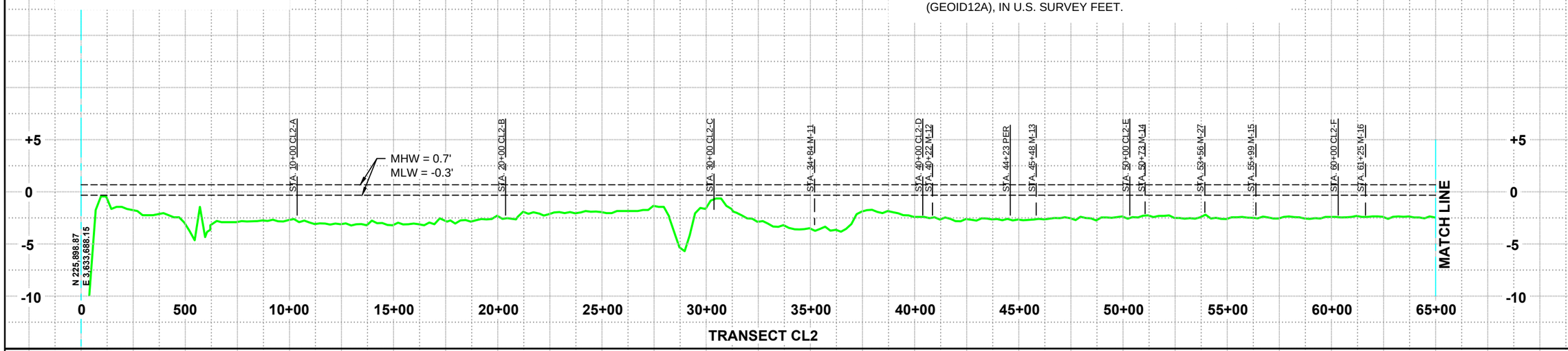
LEGEND

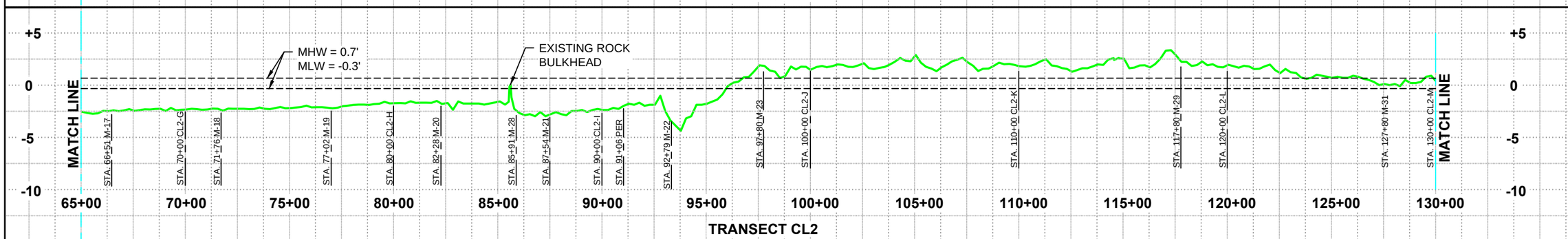
T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

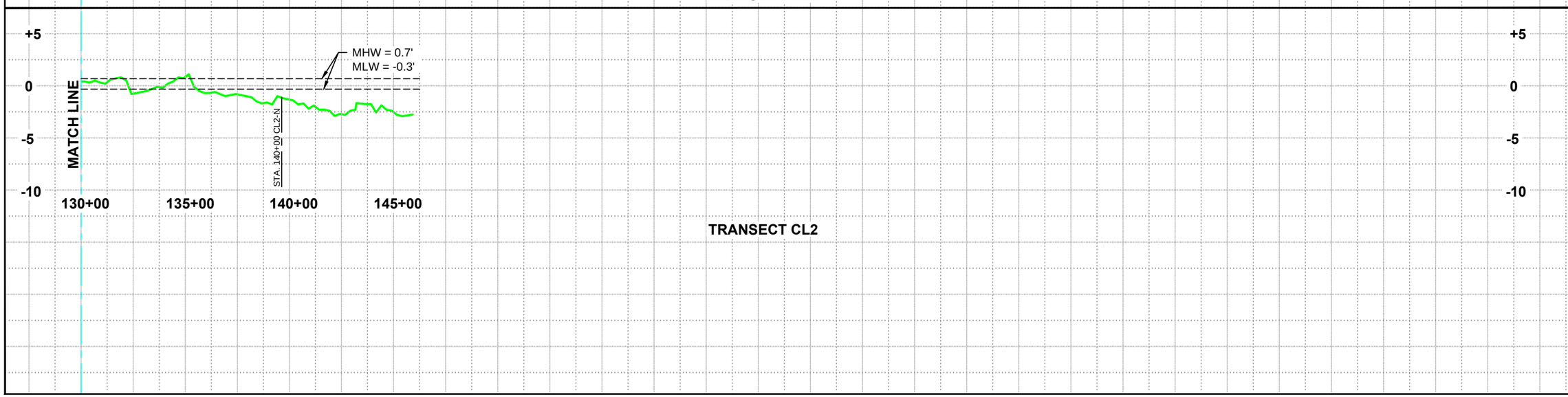
WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING WESTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.







CROSS SECTIONS
CENTERLINE 2

DATE: 12/08/2016

SHEET 29 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
ENGINEERS & SURVEYORS
4150 South Isle Park, Houma, LA 70360
985-868-1666 - www.tbsmith.com

HORIZONTAL SCALE: 1" = 100'
100' 50' 0' 100'
VERTICAL SCALE: 1" = 10'
10' 5' 0' 10'

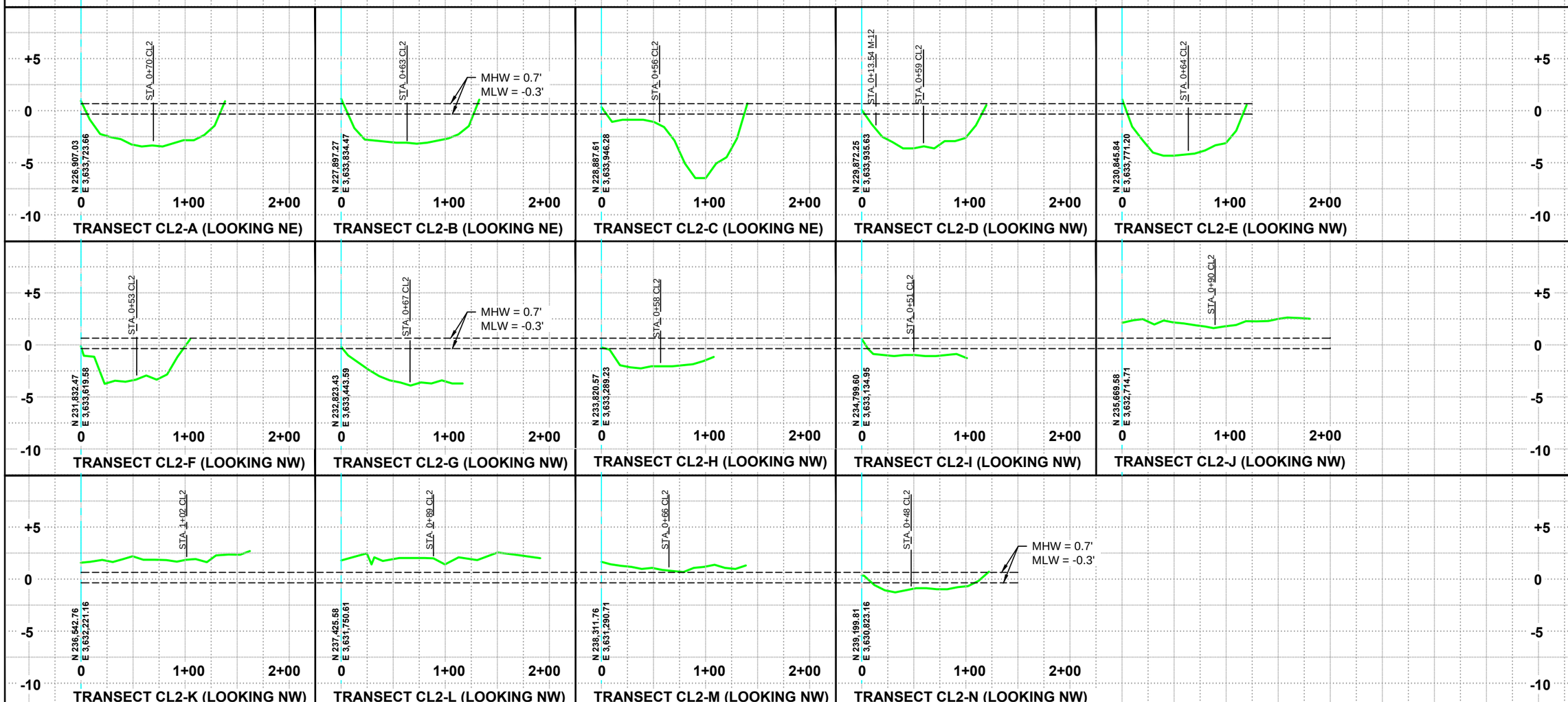
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING AS NOTED.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



CROSS SECTIONS
CENTERLINE 2

DATE: 12/08/2016

SHEET 30 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH

HORIZONTAL SCALE: 1" = 500'

500' 250' 0' 500'

VERTICAL SCALE: 1" = 50'

10' 5' 0' 10'

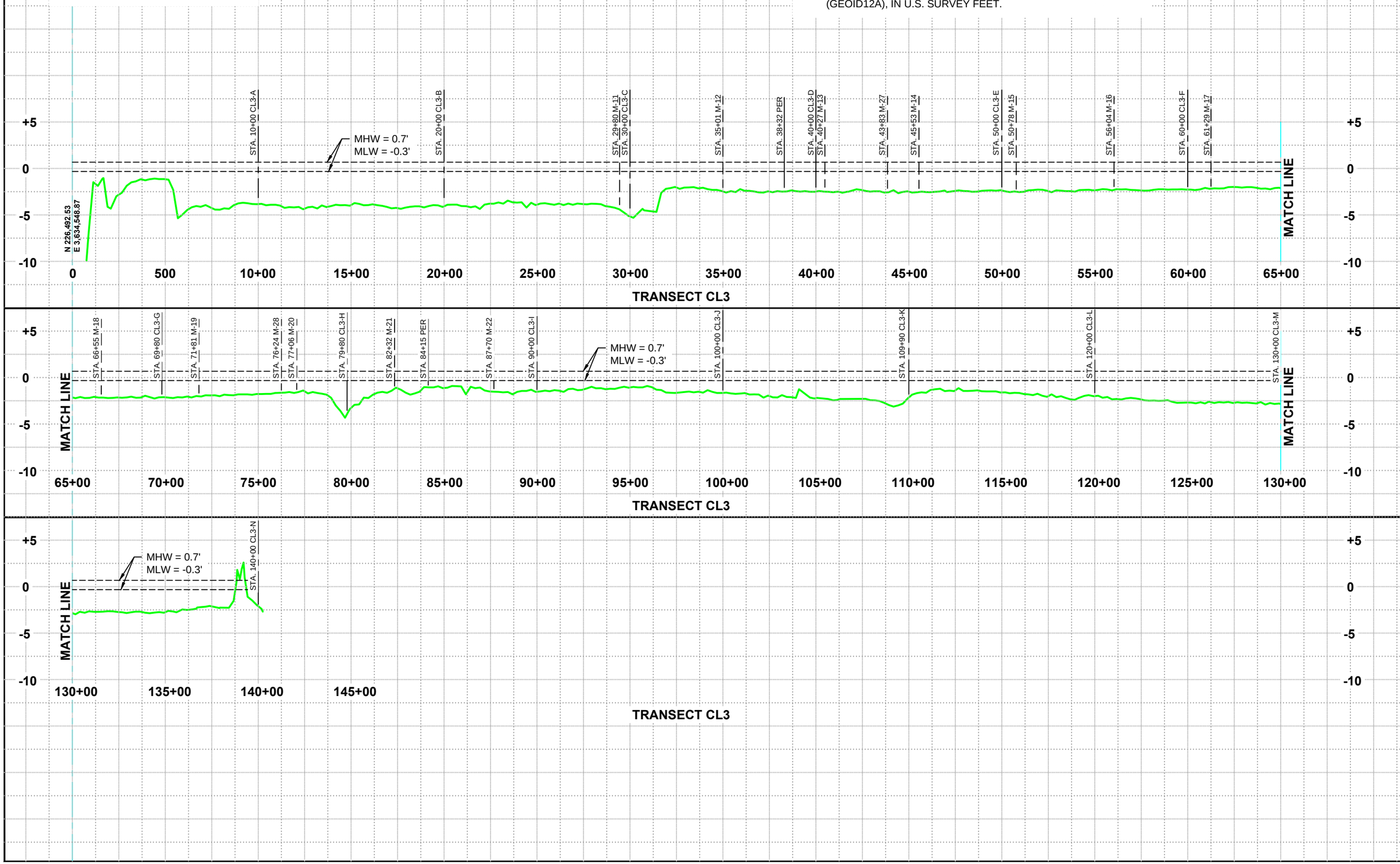
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING WESTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



CROSS SECTIONS
CENTERLINE 3

DATE: 12/08/2016

SHEET 31 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
CONSULTING ENGINEERS

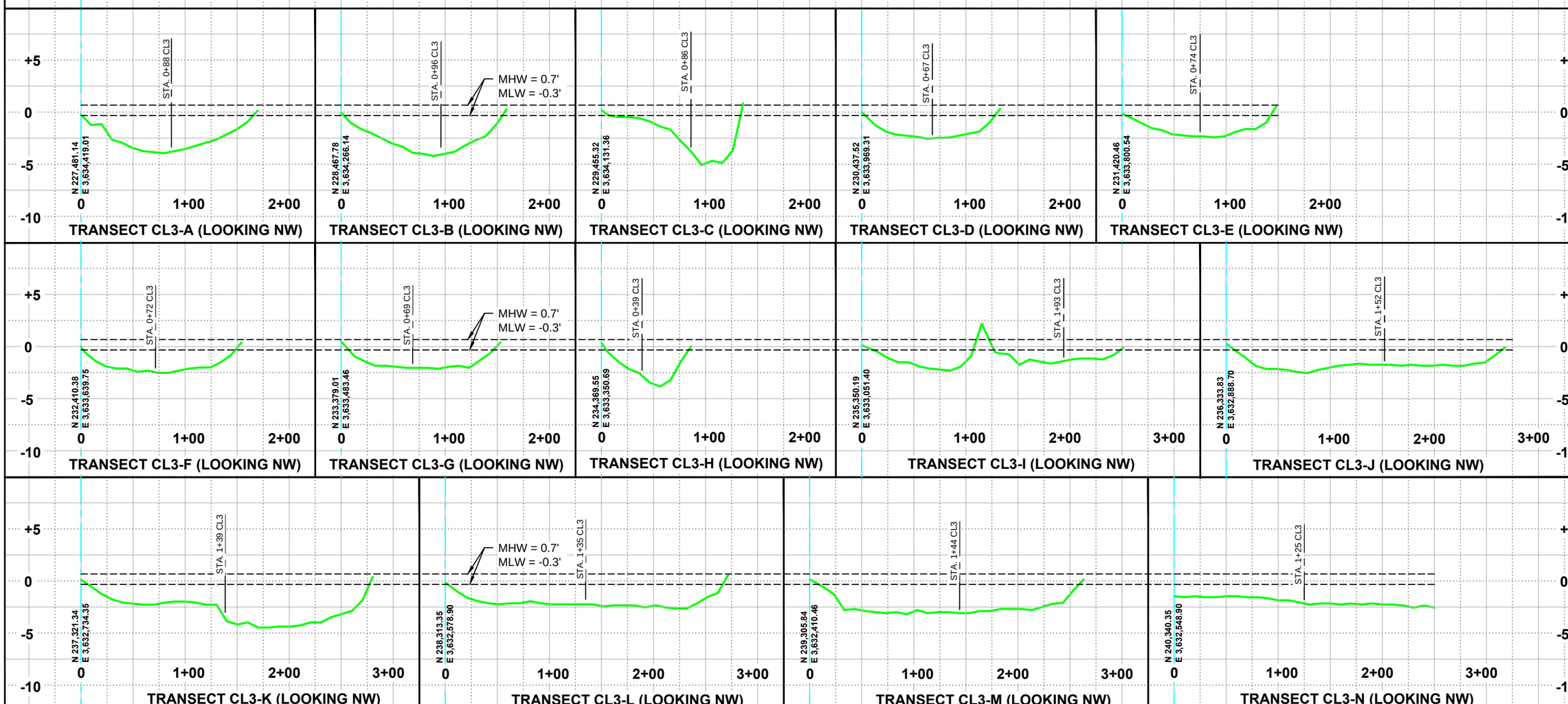
HORIZONTAL SCALE: 1" = 100'
100' 50' 0' 100'
VERTICAL SCALE: 1" = 10'
10' 5' 0' 10'

LEGEND

- T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)
- WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING AS NOTED.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



CROSS SECTIONS
CENTERLINE 3

DATE: 12/08/2016

SHEET 32 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH

HORIZONTAL SCALE: 1" = 500'

500' 250' 0' 500'

VERTICAL SCALE: 1" = 50'

10' 5' 0' 10'

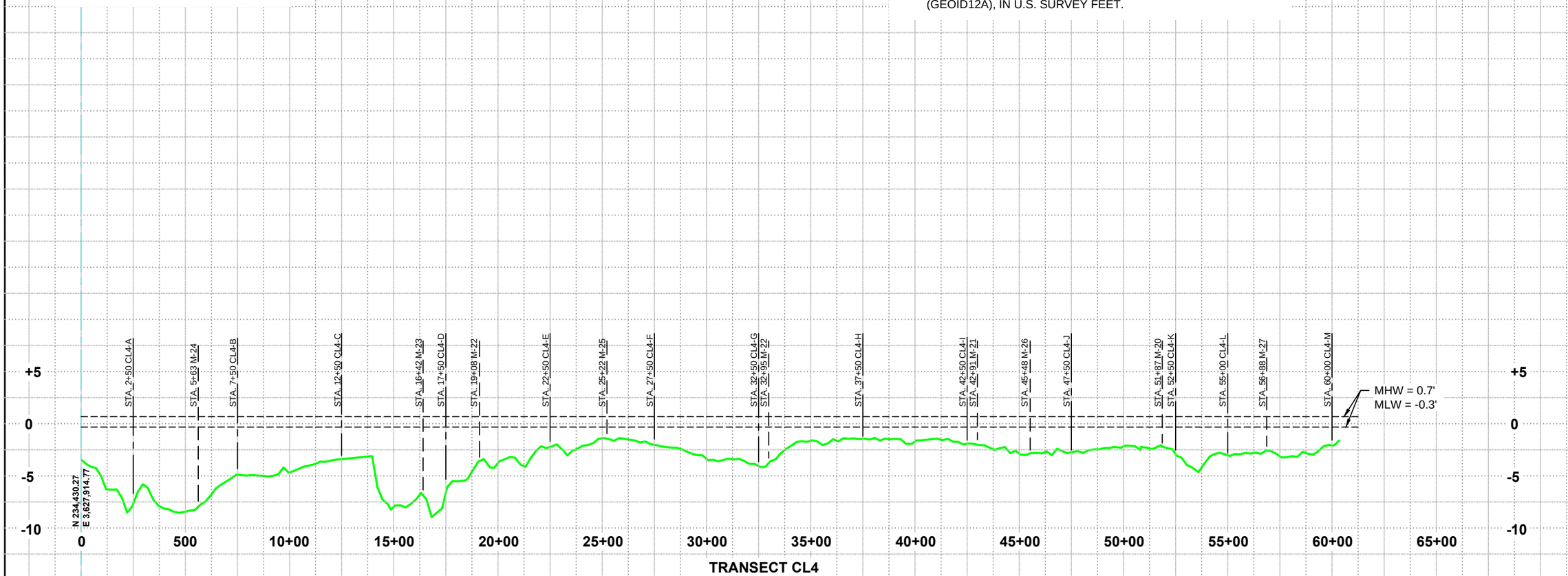
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING NORTHERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



CROSS SECTIONS
CENTERLINE 4

DATE: 12/08/2016

SHEET 33 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
A LIVE OAK COMPANY
419 South Van Ave., Houma, LA 70360
(985)851-7000 - Benchmark

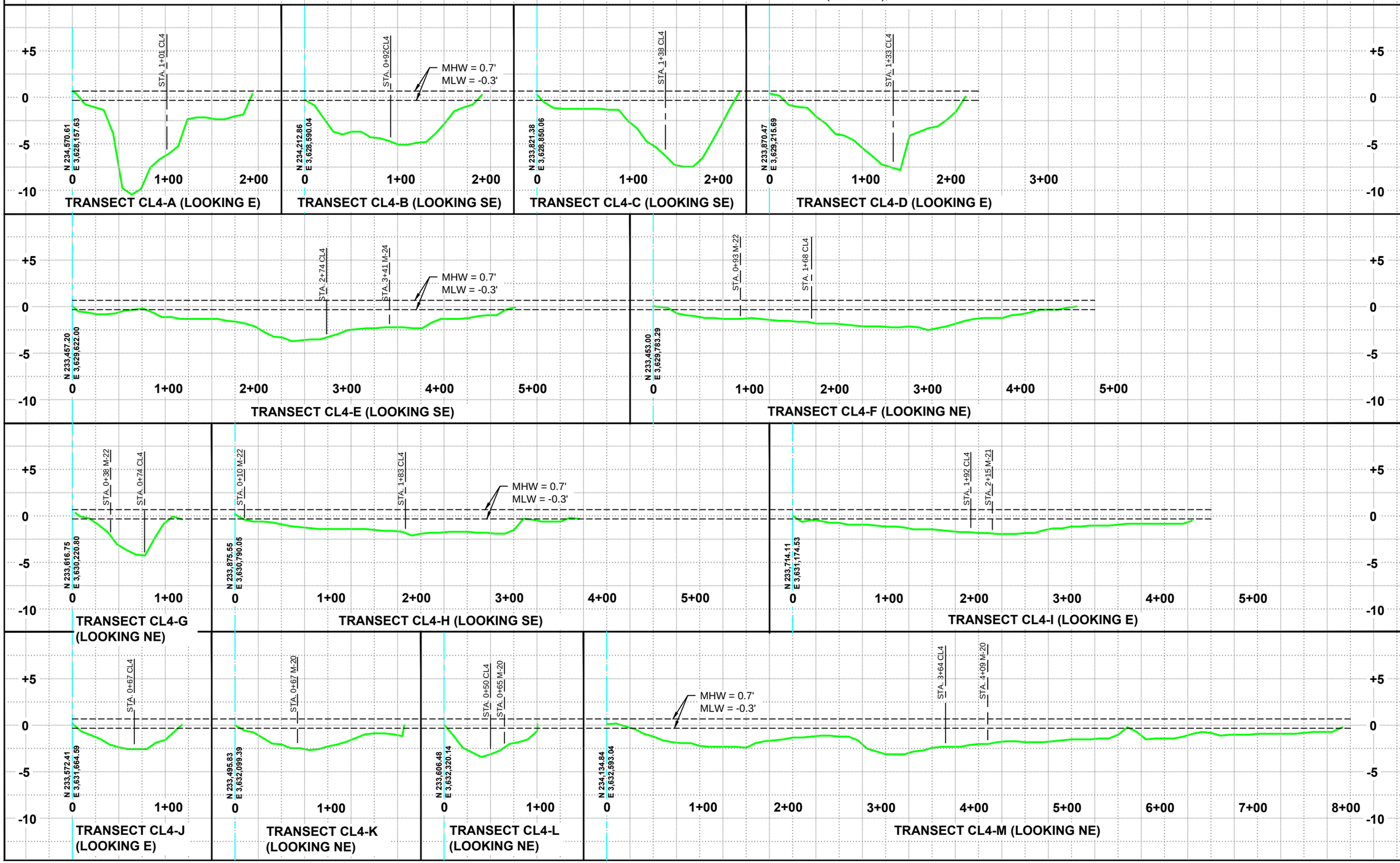
HORIZONTAL SCALE: 1" = 100'
100' 50' 0' 100'
VERTICAL SCALE: 1" = 10'
10' 5' 0' 10'

LEGEND

- T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)
- WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING AS NOTED.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



CROSS SECTIONS
CENTERLINE 4

DATE: 12/08/2016

SHEET 34 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
CONSULTING ENGINEERS
TBS

HORIZONTAL SCALE: 1" = 500'

500' 250' 0' 500'

VERTICAL SCALE: 1" = 50'

10' 5' 0' 10'

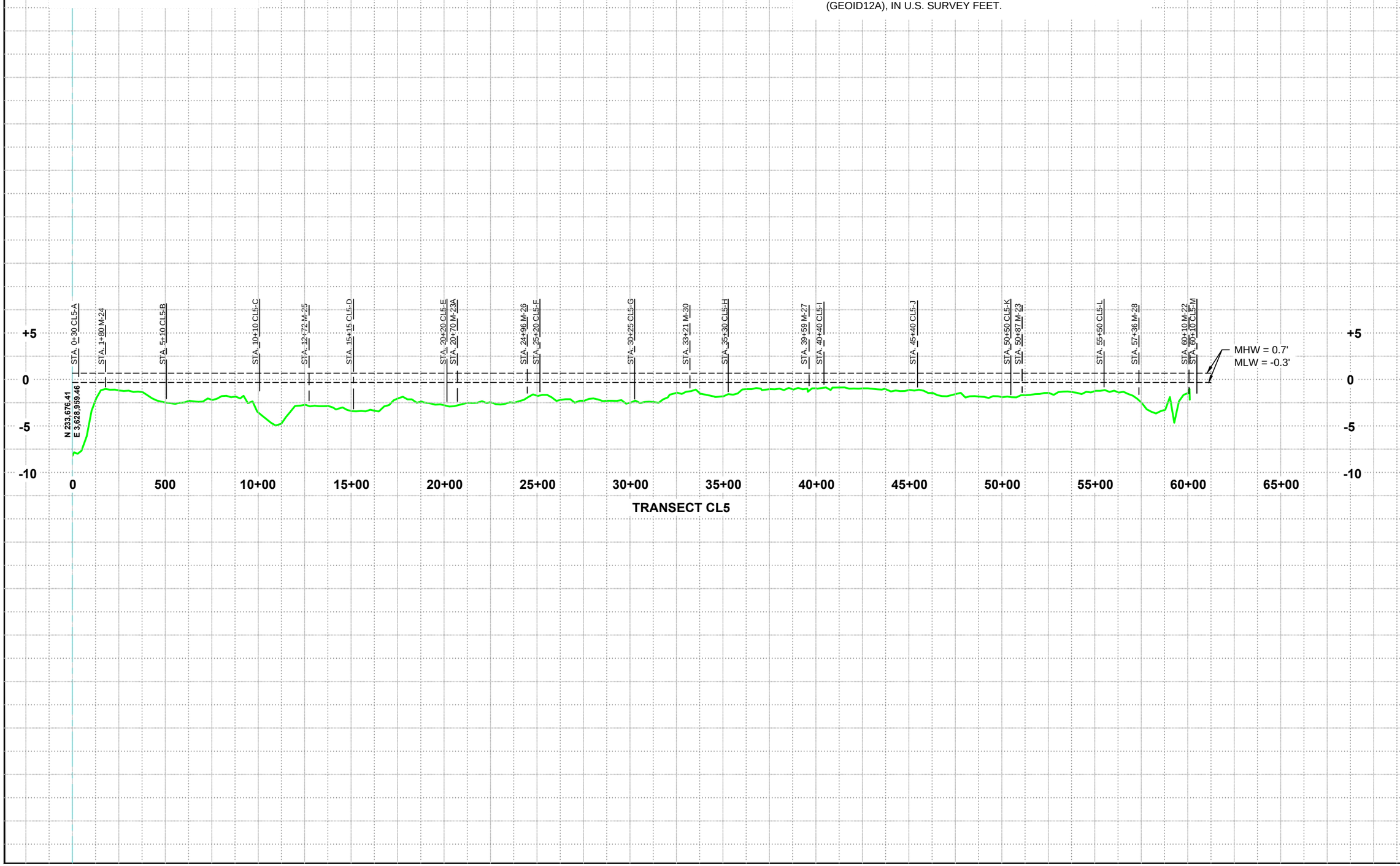
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING NORTH WESTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



CROSS SECTIONS
CENTERLINE 5

DATE: 12/08/2016

SHEET 35 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
CONSULTING ENGINEERS
4150 South Ventress Road, Houma, LA 70363
985-868-1200 - 985-868-1201

HORIZONTAL SCALE: 1" = 100'
100' 50' 0' 100'
VERTICAL SCALE: 1" = 10'
10' 5' 0' 10'

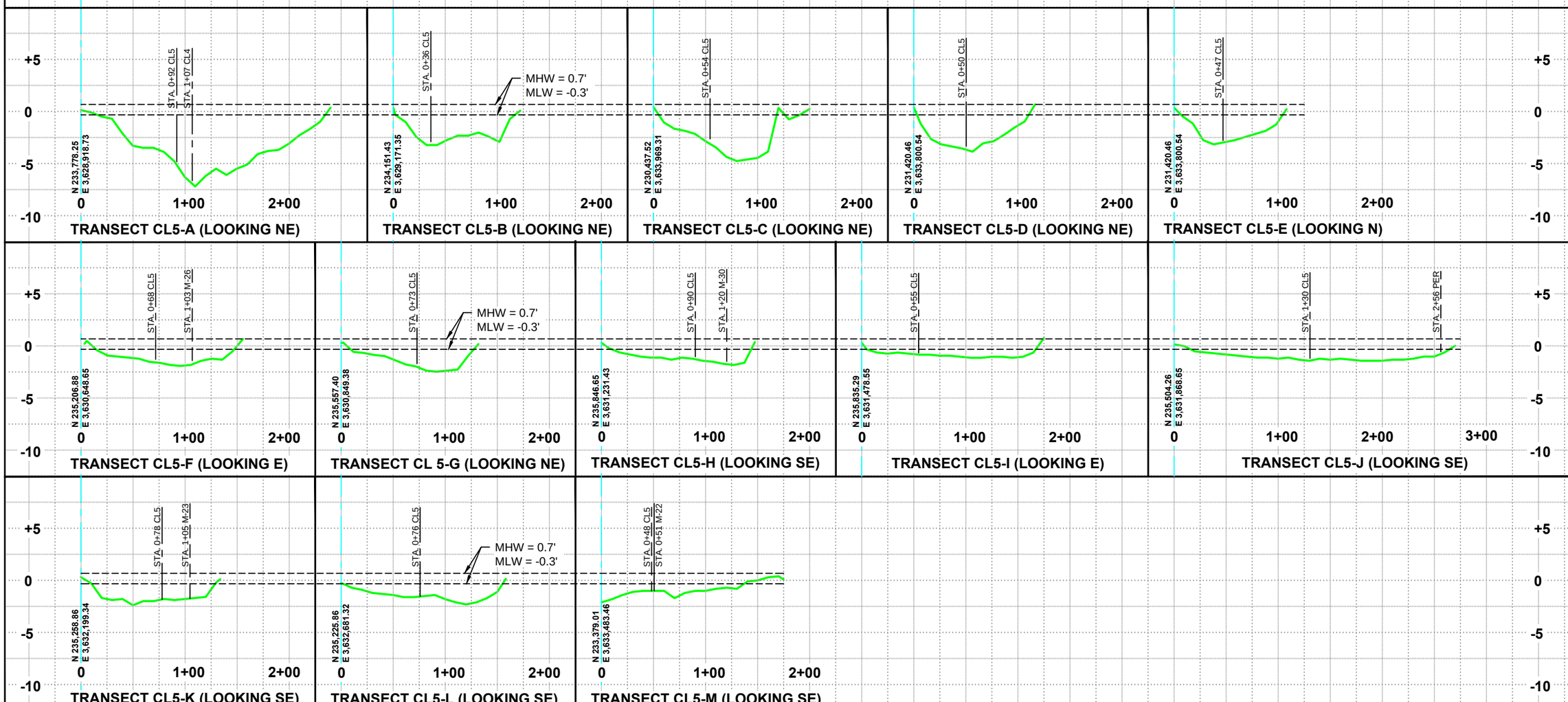
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING AS NOTED.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



CROSS SECTIONS
CENTERLINE 5

DATE: 12/08/2016

SHEET 36 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH

HORIZONTAL SCALE: 1" = 500'

500' 250' 0' 500'

VERTICAL SCALE: 1" = 50'

10' 5' 0' 10'

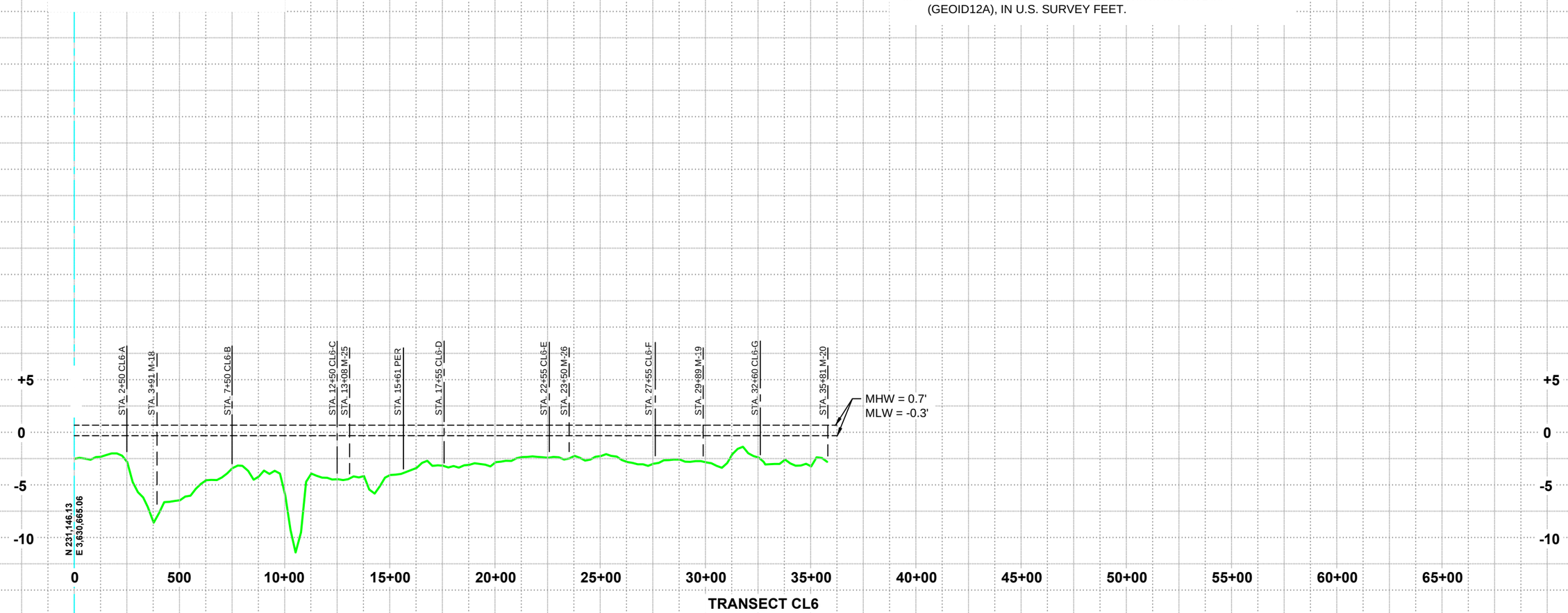
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING NORTH WESTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



CROSS SECTIONS
CENTERLINE 6

DATE: 12/08/2016

SHEET 37 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
A LIBERTY ENGINEERING
419 South Van Ave., Houma, LA 70360
(985)868-7500 - tbsmith.com

HORIZONTAL SCALE: 1" = 100'

100' 50' 0' 100'

VERTICAL SCALE: 1" = 10'

10' 5' 0' 10'

LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING AS NOTED.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
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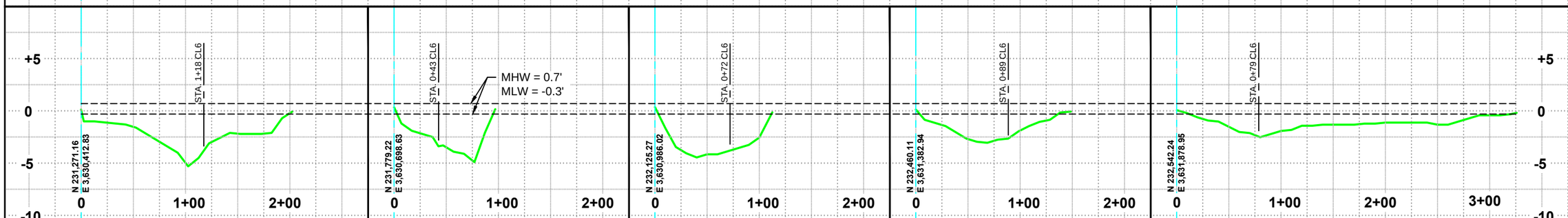


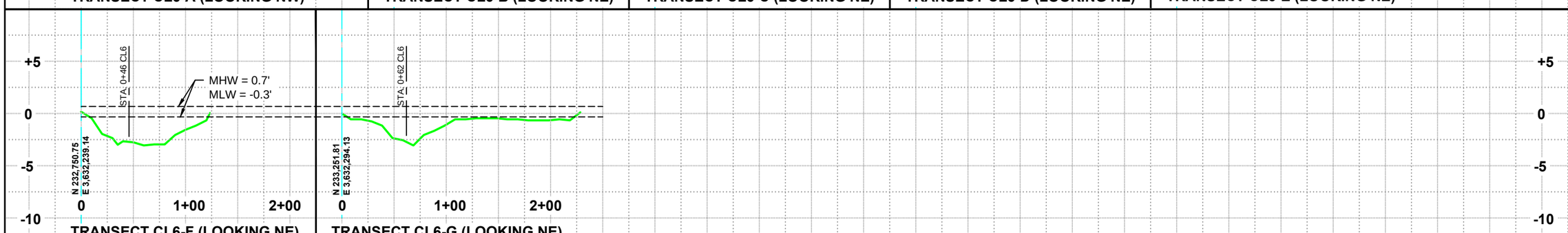
TRANSECT CL6-A (LOOKING NW)

TRANSECT CL6-B (LOOKING NE)

TRANSECT CL6-C (LOOKING NE)

TRANSECT CL6-D (LOOKING NE)

TRANSECT CL6-E (LOOKING NE)



TRANSECT CL6-F (LOOKING NE)

TRANSECT CL6-G (LOOKING NE)

CROSS SECTIONS
CENTERLINE 6

DATE: 12/08/2016

SHEET 38 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
SURVEYING & MAPPING
419 South Main Ave., Houma, LA 70360
985-868-1555 - Servicing Louisiana

HORIZONTAL SCALE: 1" = 500'
500' 250' 0' 500'
VERTICAL SCALE: 1" = 50'
10' 5' 0' 10'

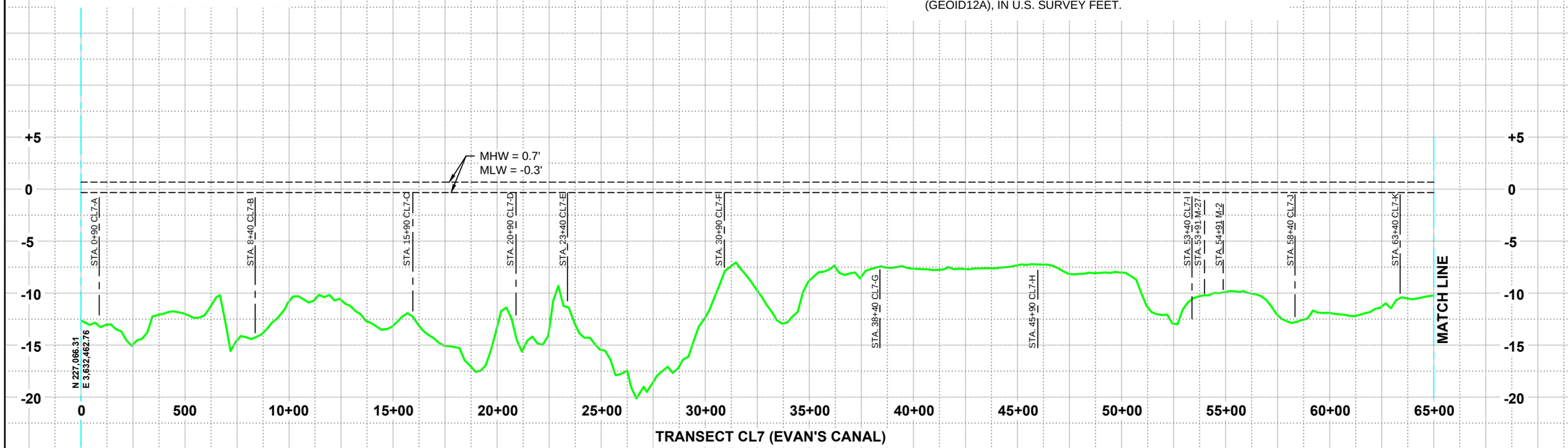
LEGEND

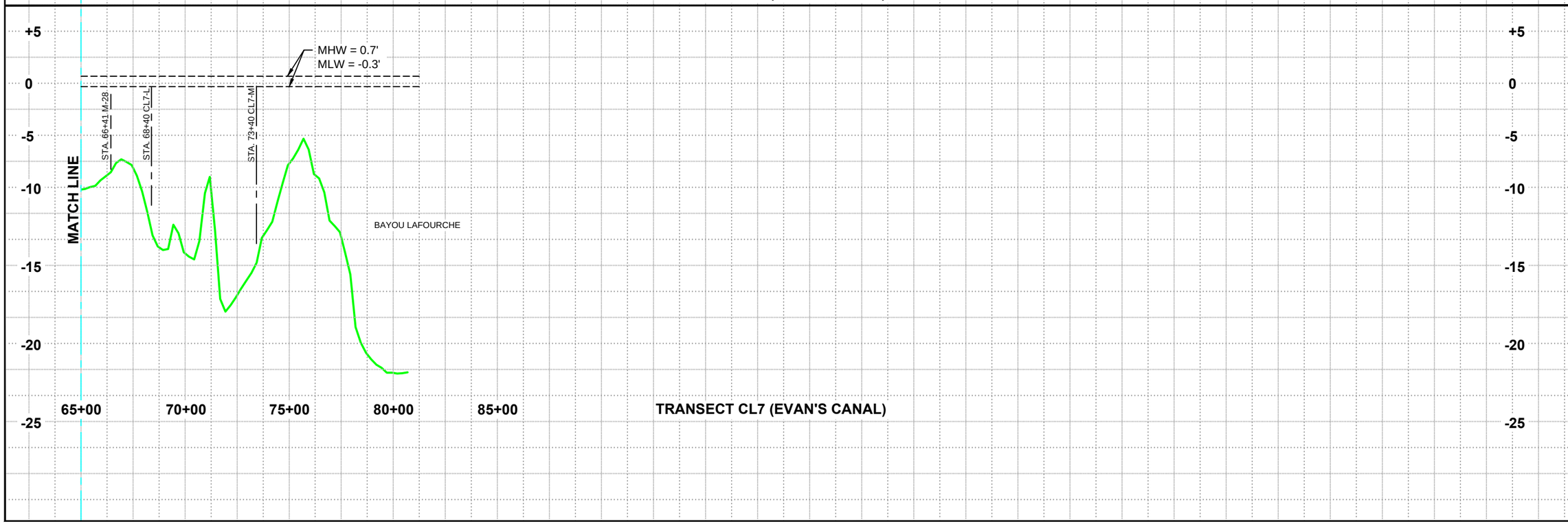
T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING NORTHERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.





CROSS SECTIONS
CENTERLINE 7

DATE: 12/08/2016

SHEET 39 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH

HORIZONTAL SCALE: 1" = 100'
100' 50' 0' 100'
VERTICAL SCALE: 1" = 10'
10' 5' 0' 10'

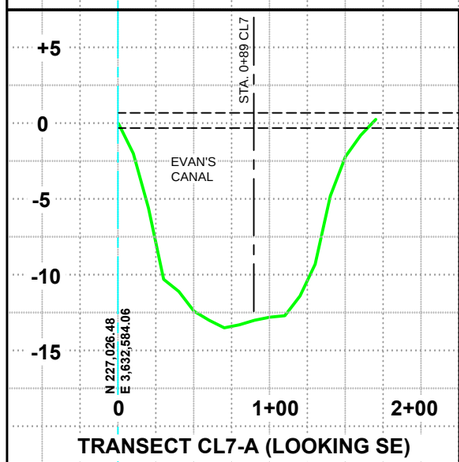
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

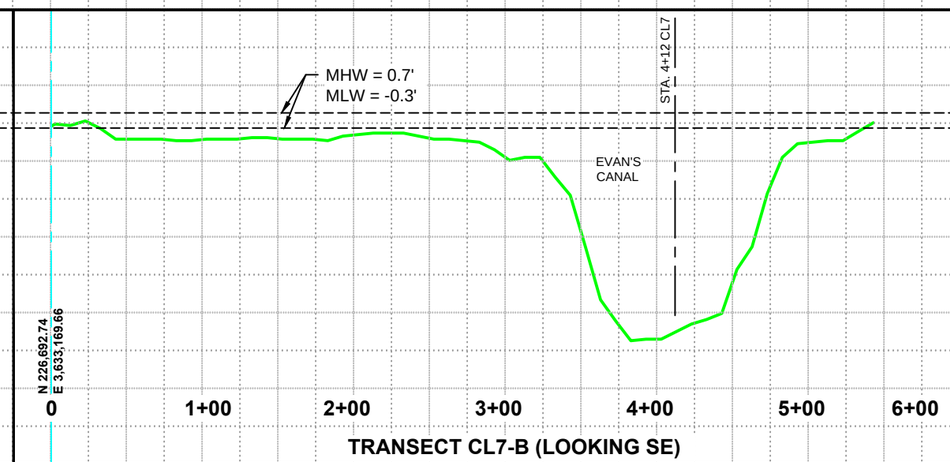
WATER SURFACE

NOTES

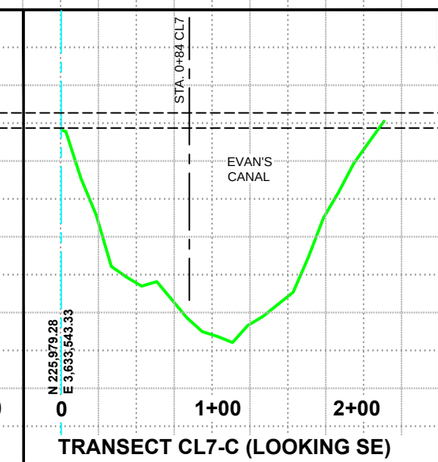
1. ALL PROFILES SHOWN ARE LOOKING AS NOTED..
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



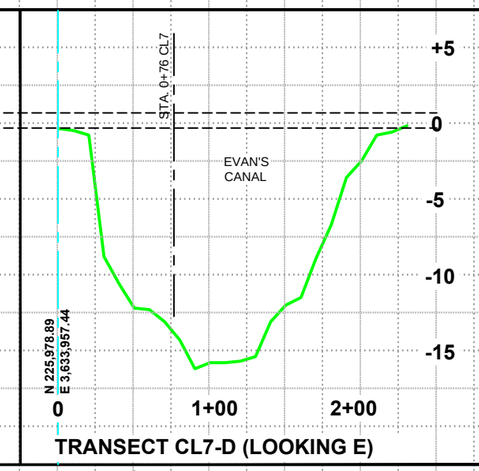
TRANSECT CL7-A (LOOKING SE)



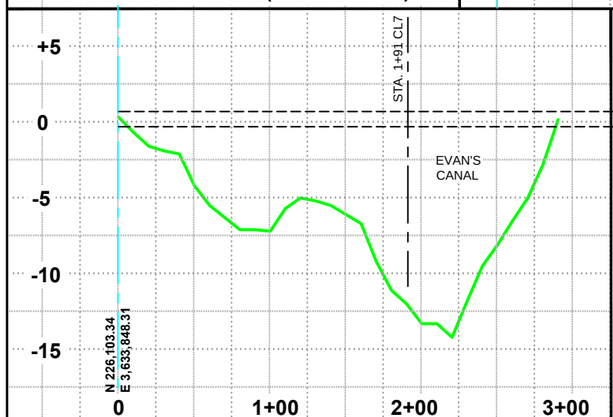
TRANSECT CL7-B (LOOKING SE)



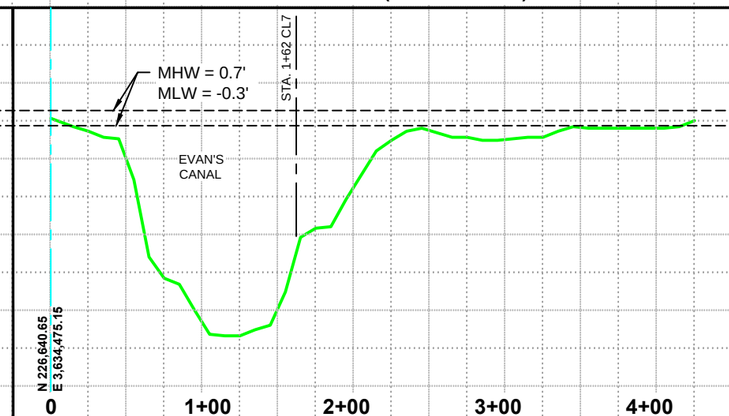
TRANSECT CL7-C (LOOKING SE)



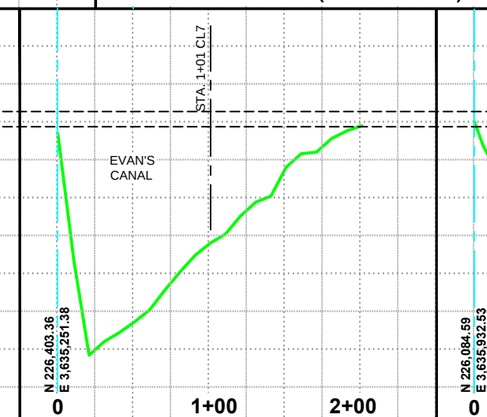
TRANSECT CL7-D (LOOKING E)



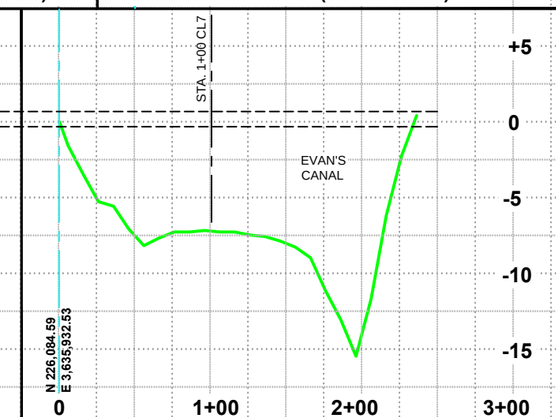
TRANSECT CL7-E (LOOKING N)



TRANSECT CL7-F (LOOKING NE)



TRANSECT CL7-G (LOOKING SE)



TRANSECT CL7-H (LOOKING SE)

CROSS SECTIONS
CENTERLINE 7

DATE: 12/08/2016

SHEET 40 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
ENGINEERS & PLANNERS
419 South Jerry Dale, Houma, LA 70363
(985)851-1888 - (800)256-2227

HORIZONTAL SCALE: 1" = 100'

100' 50' 0' 100'

VERTICAL SCALE: 1" = 10'

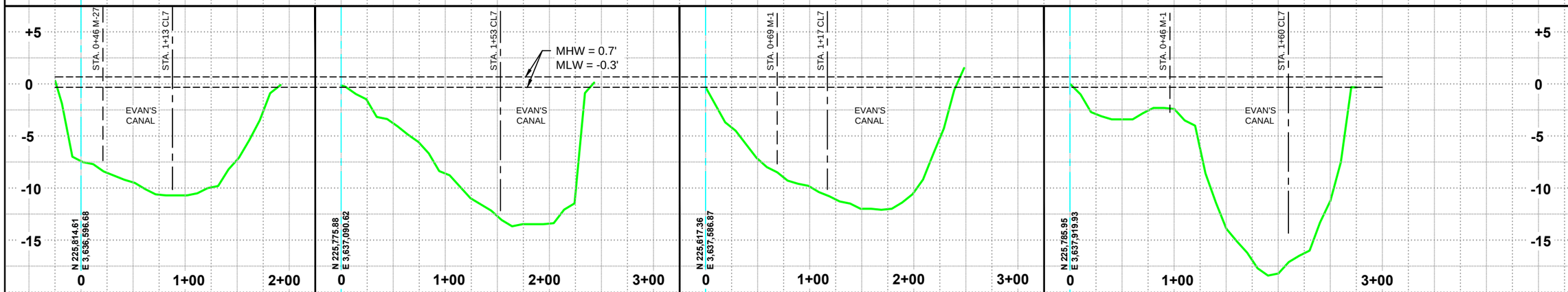
LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING AS NOTED.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.

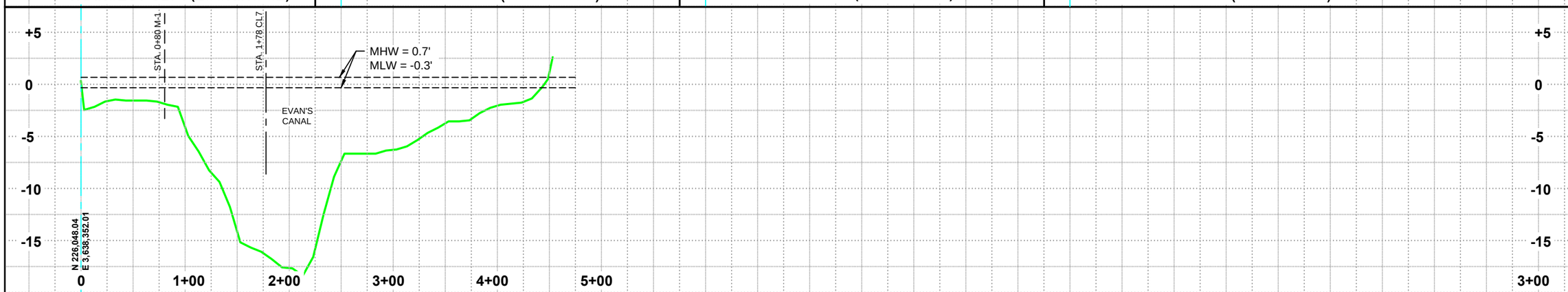


TRANSECT CL7-I (LOOKING SE)

TRANSECT CL7-J (LOOKING SE)

TRANSECT CL7-K (LOOKING SE)

TRANSECT CL7-L (LOOKING NE)



TRANSECT CL7-M (LOOKING NE)

CROSS SECTIONS
CENTERLINE 7

DATE: 12/08/2016

SHEET 41 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
SURVEYING & MAPPING
419 South Main Ave. Houma, LA 70360
985/851-1888 - Servicing Louisiana

HORIZONTAL SCALE: 1" = 500'

500' 250' 0' 500'

VERTICAL SCALE: 1" = 50'

10' 5' 0' 10'

LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING EASTERLY.
2. ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET.
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.

CROSS SECTIONS
CENTERLINE 8

DATE: 12/08/2016

SHEET 42 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
A LIMITED LIABILITY COMPANY
419 South Van Ave., Houma, LA 70360
(985)851-1888 - Bennett.com

HORIZONTAL SCALE: 1" = 100'

100' 50' 0' 100'

VERTICAL SCALE: 1" = 10'

10' 5' 0' 10'

LEGEND

T. BAKER SMITH, LLC SURVEY (7/11/16 - 9/14/16)

WATER SURFACE

NOTES

1. ALL PROFILES SHOWN ARE LOOKING AS NOTED.
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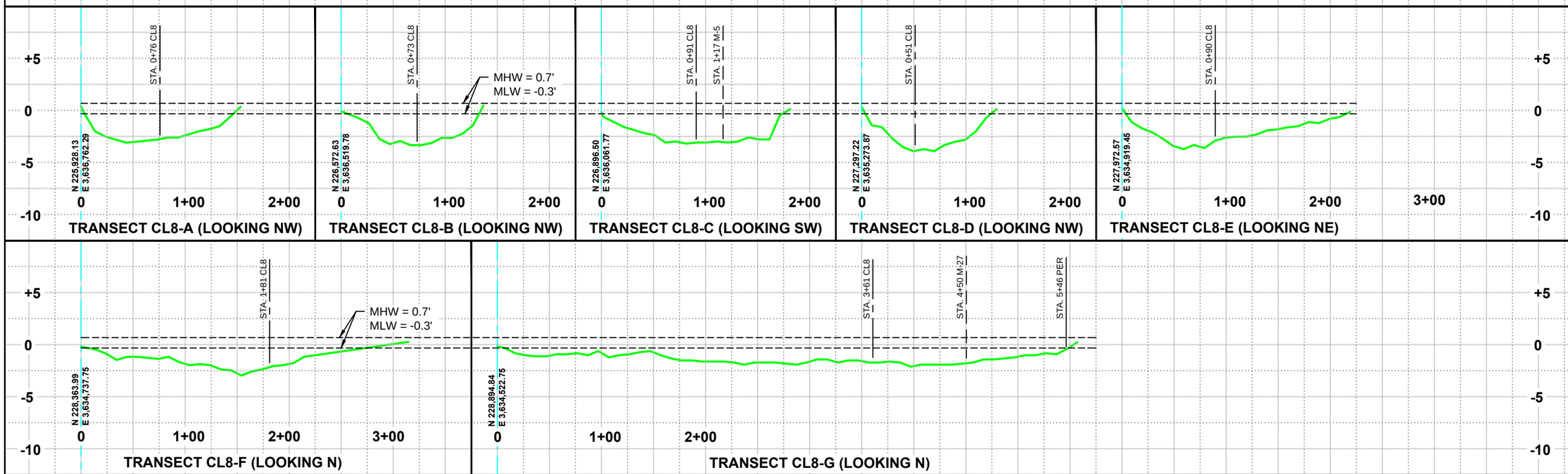
3. VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A), IN U.S. SURVEY FEET.



CROSS SECTIONS
CENTERLINE 8

DATE: 12/08/2016

SHEET 43 OF 49

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)
LAFOURCHE PARISH, LOUISIANA

STATE PROJECT NUMBER: TE-134

FEDERAL PROJECT NUMBER:

APPROVED BY: KAK

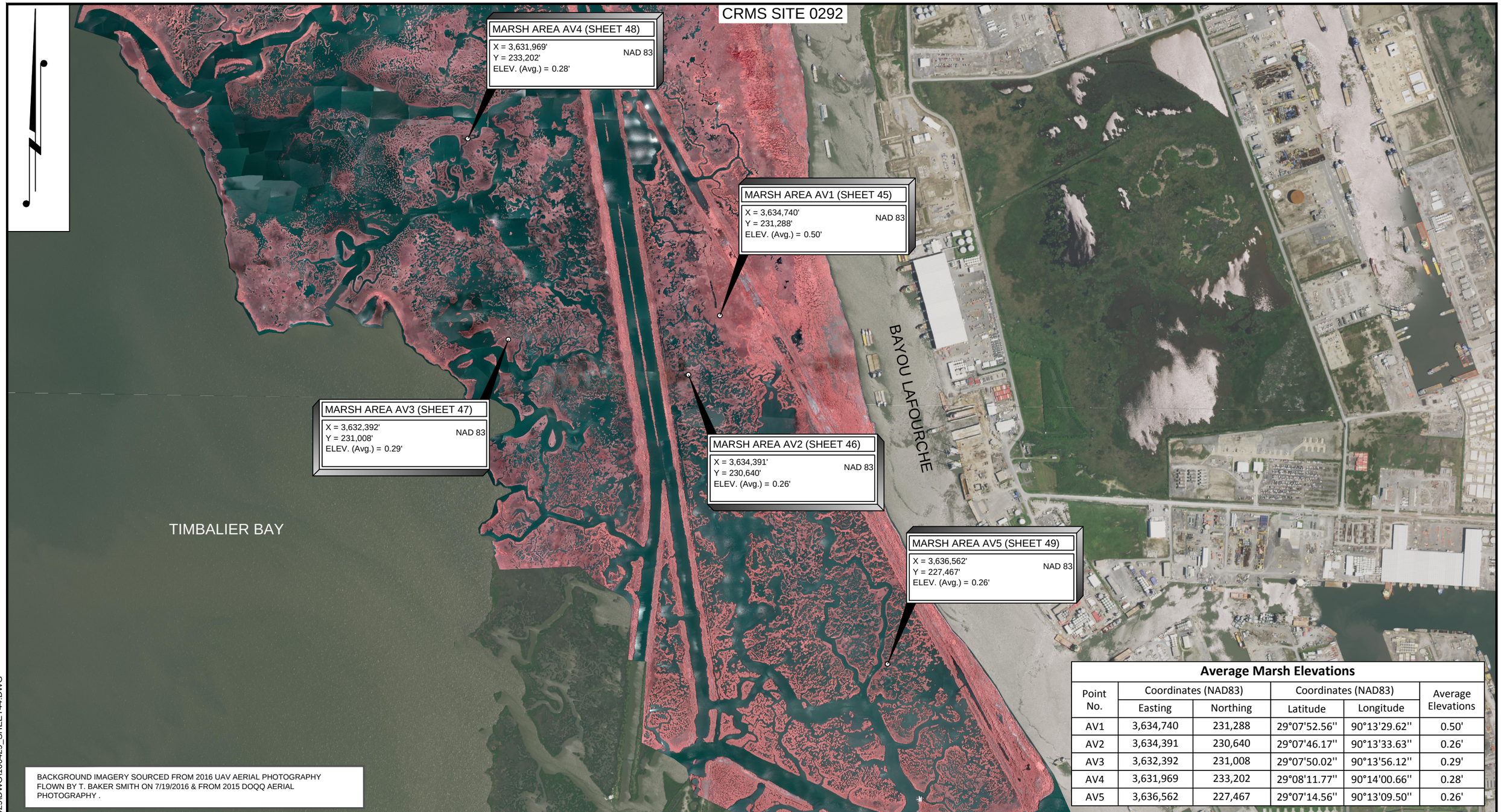
COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL ST., SUITE 1501
BATON ROUGE, LOUISIANA 70801

DRAWN BY: JPW

DESIGNED BY:

REV.	DATE	DESCRIPTION	BY

T. BAKER SMITH
ENGINEERS & PLANNERS
419 South Main Ave., Houma, LA 70360
985/868-1666 • 800/256-8693



BACKGROUND IMAGERY SOURCED FROM 2016 UAV AERIAL PHOTOGRAPHY FLOWN BY T. BAKER SMITH ON 7/19/2016 & FROM 2015 DOQQ AERIAL PHOTOGRAPHY .

Average Marsh Elevations

Point No.	Coordinates (NAD83)		Coordinates (NAD83)		Average Elevations
	Easting	Northing	Latitude	Longitude	
AV1	3,634,740	231,288	29°07'52.56''	90°13'29.62''	0.50'
AV2	3,634,391	230,640	29°07'46.17''	90°13'33.63''	0.26'
AV3	3,632,392	231,008	29°07'50.02''	90°13'56.12''	0.29'
AV4	3,631,969	233,202	29°08'11.77''	90°14'00.66''	0.28'
AV5	3,636,562	227,467	29°07'14.56''	90°13'09.50''	0.26'

NOTES:

CPRA

TBS T. BAKER SMITH
SOLUTIONS START HERE
412 South Van Ave, Houma, LA 70363
(985)868-1050 - tbsmith.com

SCALE IN FEET
1000' 500' 0' 1000'

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

REVISION DESCRIPTION:
--

DRAWN BY:	EMC	APPROVED BY:	KAK
DATE:	10/18/16	JOB NO:	2016.0429
DRAWING NAME:	160429_SHEET44.DWG		

PROJECTION: LA SOUTH ZONE 1702
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

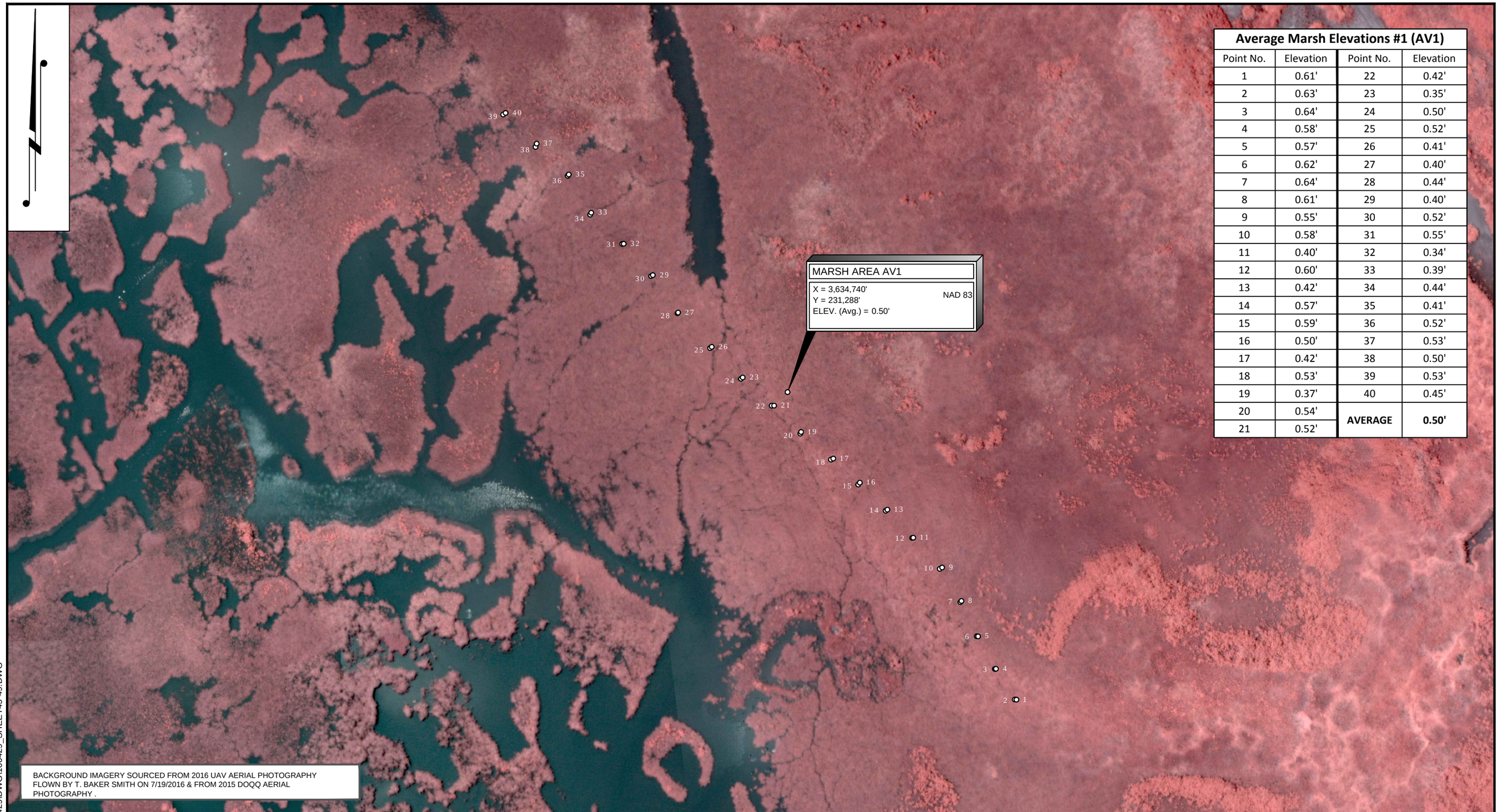
SHEET NO: 44 OF 49

HEALTHY MARSH ELEVATION SURVEY

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)

COASTAL PROTECTION AND RESTORATION AUTHORITY OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA

1/4/2017 - P:\Y-2016\2016.0429\DWG\160429_SHEET44.DWG



BACKGROUND IMAGERY SOURCED FROM 2016 UAV AERIAL PHOTOGRAPHY FLOWN BY T. BAKER SMITH ON 7/19/2016 & FROM 2015 DOQQ AERIAL PHOTOGRAPHY .

Average Marsh Elevations #1 (AV1)

Point No.	Elevation	Point No.	Elevation
1	0.61'	22	0.42'
2	0.63'	23	0.35'
3	0.64'	24	0.50'
4	0.58'	25	0.52'
5	0.57'	26	0.41'
6	0.62'	27	0.40'
7	0.64'	28	0.44'
8	0.61'	29	0.40'
9	0.55'	30	0.52'
10	0.58'	31	0.55'
11	0.40'	32	0.34'
12	0.60'	33	0.39'
13	0.42'	34	0.44'
14	0.57'	35	0.41'
15	0.59'	36	0.52'
16	0.50'	37	0.53'
17	0.42'	38	0.50'
18	0.53'	39	0.53'
19	0.37'	40	0.45'
20	0.54'	**AVERAGE**	**0.50'**
21	0.52'		

NOTES:

CPRA

TBS T. BAKER SMITH
SOLUTIONS START HERE
412 South Van Ave, Houma, LA 70363
(985)868-1050 - tbsmith.com

SCALE IN FEET
60' 30' 0' 60'

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

REVISION DESCRIPTION:
--

DRAWN BY:	EMC	APPROVED BY:	KAK
DATE:	12/08/16	JOB NO:	2016.0429
DRAWING NAME:	160429_SHEET45-49.DWG		

PROJECTION: LA SOUTH ZONE 1702
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

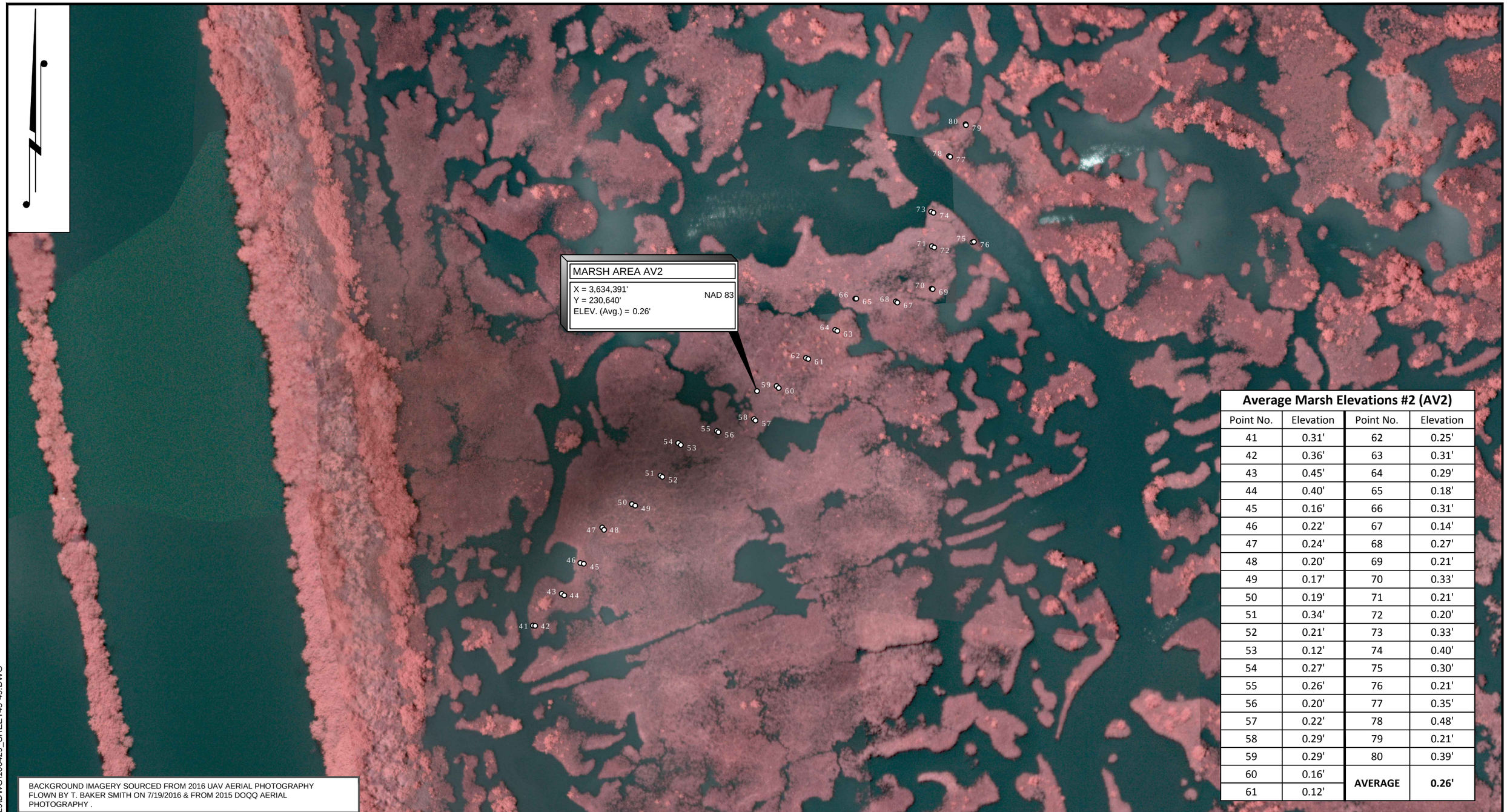
SHEET NO: 45 OF 49

HEALTHY MARSH ELEVATION SURVEY

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)

COASTAL PROTECTION AND RESTORATION AUTHORITY OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA

1/4/2017 - P:\Y-2016\2016.0429\DWG\160429_SHEET45-49.DWG



BACKGROUND IMAGERY SOURCED FROM 2016 UAV AERIAL PHOTOGRAPHY FLOWN BY T. BAKER SMITH ON 7/19/2016 & FROM 2015 DOQQ AERIAL PHOTOGRAPHY .

Average Marsh Elevations #2 (AV2)

Point No.	Elevation	Point No.	Elevation
41	0.31'	62	0.25'
42	0.36'	63	0.31'
43	0.45'	64	0.29'
44	0.40'	65	0.18'
45	0.16'	66	0.31'
46	0.22'	67	0.14'
47	0.24'	68	0.27'
48	0.20'	69	0.21'
49	0.17'	70	0.33'
50	0.19'	71	0.21'
51	0.34'	72	0.20'
52	0.21'	73	0.33'
53	0.12'	74	0.40'
54	0.27'	75	0.30'
55	0.26'	76	0.21'
56	0.20'	77	0.35'
57	0.22'	78	0.48'
58	0.29'	79	0.21'
59	0.29'	80	0.39'
60	0.16'	AVERAGE	0.26'
61	0.12'		

NOTES:

CPRA

TBS T. BAKER SMITH
SOLUTIONS START HERE
412 South Van Ave, Houma, LA 70363
(985)868-1050 - tbsmith.com

SCALE IN FEET
60' 30' 0' 60'

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

REVISION DESCRIPTION:
--

DRAWN BY: EMC	APPROVED BY: KAK
DATE: 12/08/16	JOB NO: 2016.0429
DRAWING NAME: 160429_SHEET45-49.DWG	
PROJECTION: LA SOUTH ZONE 1702 GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET	
SHEET NO: 46 OF 49	

HEALTHY MARSH ELEVATION SURVEY

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)

COASTAL PROTECTION AND RESTORATION AUTHORITY OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA

1/4/2017 - P:\Y-2016\2016.0429\DWG\160429_SHEET45-49.DWG

BACKGROUND IMAGERY SOURCED FROM 2016 UAV AERIAL PHOTOGRAPHY FLOWN BY T. BAKER SMITH ON 7/19/2016 & FROM 2015 DOQQ AERIAL PHOTOGRAPHY .

Average Marsh Elevations #3 (AV3)

Point No.	Elevation	Point No.	Elevation
81	0.28'	102	0.34'
82	0.42'	103	0.34'
83	0.38'	104	0.27'
84	0.32'	105	0.29'
85	0.34'	106	0.17'
86	0.49'	107	0.38'
87	0.34'	108	0.40'
88	0.41'	109	0.28'
89	0.38'	110	0.16'
90	0.32'	111	0.30'
91	0.24'	112	0.33'
92	0.40'	113	0.26'
93	0.37'	114	0.16'
94	0.22'	115	0.13'
95	0.05'	116	0.31'
96	0.31'	117	0.30'
97	0.21'	118	0.19'
98	0.32'	119	0.26'
99	0.32'	120	0.37'
100	0.13'	**AVERAGE**	**0.29'**
101	0.22'		

NOTES:

CPRA

TBS T. BAKER SMITH
SOLUTIONS START HERE
412 South Van Ave, Houma, LA 70363
(985)868-1050 - tbsmith.com

SCALE IN FEET
60' 30' 0' 60'

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

REVISION DESCRIPTION:
--

DRAWN BY:	EMC	APPROVED BY:	KAK
DATE:	12/08/16	JOB NO:	2016.0429
DRAWING NAME:	160429_SHEET45-49.DWG		

PROJECTION: LA SOUTH ZONE 1702
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SHEET NO: 47 OF 49

HEALTHY MARSH ELEVATION SURVEY

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)

COASTAL PROTECTION AND RESTORATION AUTHORITY OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA

1/4/2017 - P:\Y-2016\2016.0429\DWG\160429_SHEET45-49.DWG

Average Marsh Elevations #4 (AV4)

Point No.	Elevation	Point No.	Elevation
121	0.16'	142	0.28'
122	0.30'	143	0.14'
123	0.30'	144	0.41'
124	0.14'	145	0.41'
125	0.17'	146	0.24'
126	0.36'	147	0.30'
127	0.35'	148	0.42'
128	0.25'	149	0.25'
129	0.19'	150	0.33'
130	0.29'	151	0.23'
131	0.20'	152	0.35'
132	0.36'	153	0.17'
133	0.36'	154	0.17'
134	0.28'	155	0.25'
135	0.26'	156	0.37'
136	0.40'	157	0.25'
137	0.21'	158	0.32'
138	0.35'	159	0.21'
139	0.19'	160	0.37'
140	0.38'	**AVERAGE**	**0.28'**
141	0.40'		

NOTES:

CPRA

TBS T. BAKER SMITH
SOLUTIONS START HERE
412 South Van Ave, Houma, LA 70363
(985)868-1050 - tbsmith.com

SCALE IN FEET
60' 30' 0' 60'

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

REVISION DESCRIPTION:
--

DRAWN BY:	EMC	APPROVED BY:	KAK
DATE:	12/08/16	JOB NO:	2016.0429
DRAWING NAME:	160429_SHEET45-49.DWG		

PROJECTION: LA SOUTH ZONE 1702
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88
GRID UNITS: US SURVEY FEET

SHEET NO: 48 OF 49

HEALTHY MARSH ELEVATION SURVEY

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)

COASTAL PROTECTION AND RESTORATION AUTHORITY OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA

1/4/2017 - P:\Y-2016\2016.0429\DWG\160429_SHEET45-49.DWG

BACKGROUND IMAGERY SOURCED FROM 2016 UAV AERIAL PHOTOGRAPHY FLOWN BY T. BAKER SMITH ON 7/19/2016 & FROM 2015 DOQQ AERIAL PHOTOGRAPHY .

Average Marsh Elevations #5 (AV5)

Point No.	Elevation	Point No.	Elevation
161	0.07'	182	0.48'
162	0.37'	183	-0.08'
163	0.28'	184	0.20'
164	0.11'	185	0.15'
165	0.10'	186	0.03'
166	0.27'	187	0.32'
167	0.37'	188	0.44'
168	0.21'	189	0.28'
169	-0.02'	190	0.42'
170	0.21'	191	0.27'
171	0.42'	192	0.15'
172	0.33'	193	0.08'
173	0.39'	194	0.24'
174	0.52'	195	0.26'
175	0.28'	196	0.40'
176	0.40'	197	0.31'
177	0.23'	198	0.07'
178	0.15'	199	0.31'
179	0.31'	200	0.44'
180	0.36'	AVERAGE	0.26'
181	0.31'		

NOTES:

CPRA

TBS T. BAKER SMITH
SOLUTIONS START HERE
412 South Van Ave, Houma, LA 70363
(985)868-1050 - tbsmith.com

SCALE IN FEET
60' 30' 0' 60'

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

REVISION DESCRIPTION:
--

DRAWN BY: EMC	APPROVED BY: KAK
DATE: 12/08/16	JOB NO: 2016.0429
DRAWING NAME: 160429_SHEET45-49.DWG	
PROJECTION: LA SOUTH ZONE 1702 GEO. DATUM: NAD83 | VERT. DATUM: NAVD88 GRID UNITS: US SURVEY FEET	
SHEET NO: 49 OF 49	

HEALTHY MARSH ELEVATION SURVEY

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134)

COASTAL PROTECTION AND RESTORATION AUTHORITY OF LOUISIANA
LAFOURCHE PARISH, LOUISIANA

1/4/2017 - P:\Y-2016\2016.0429\DWG\160429_SHEET45-49.DWG