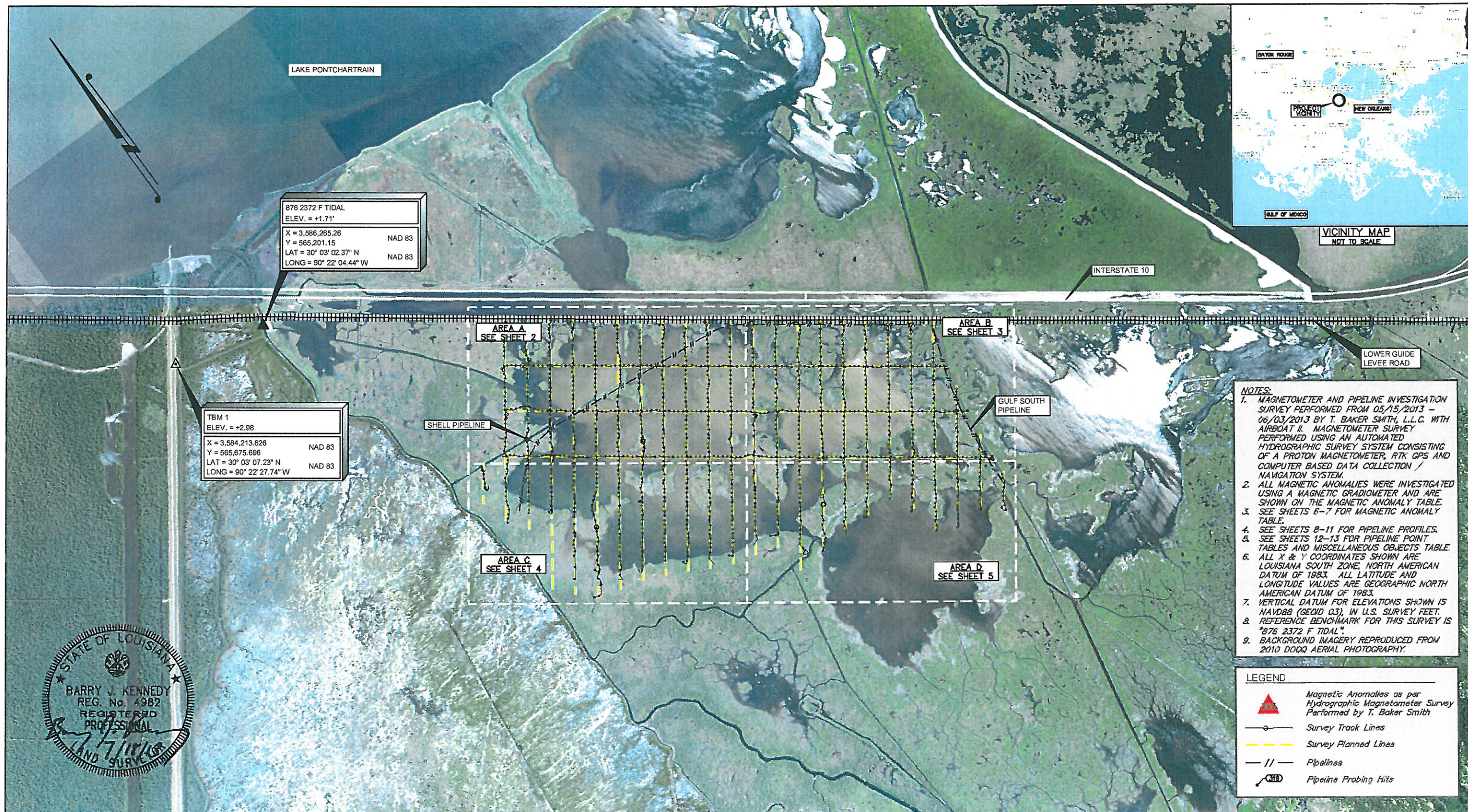






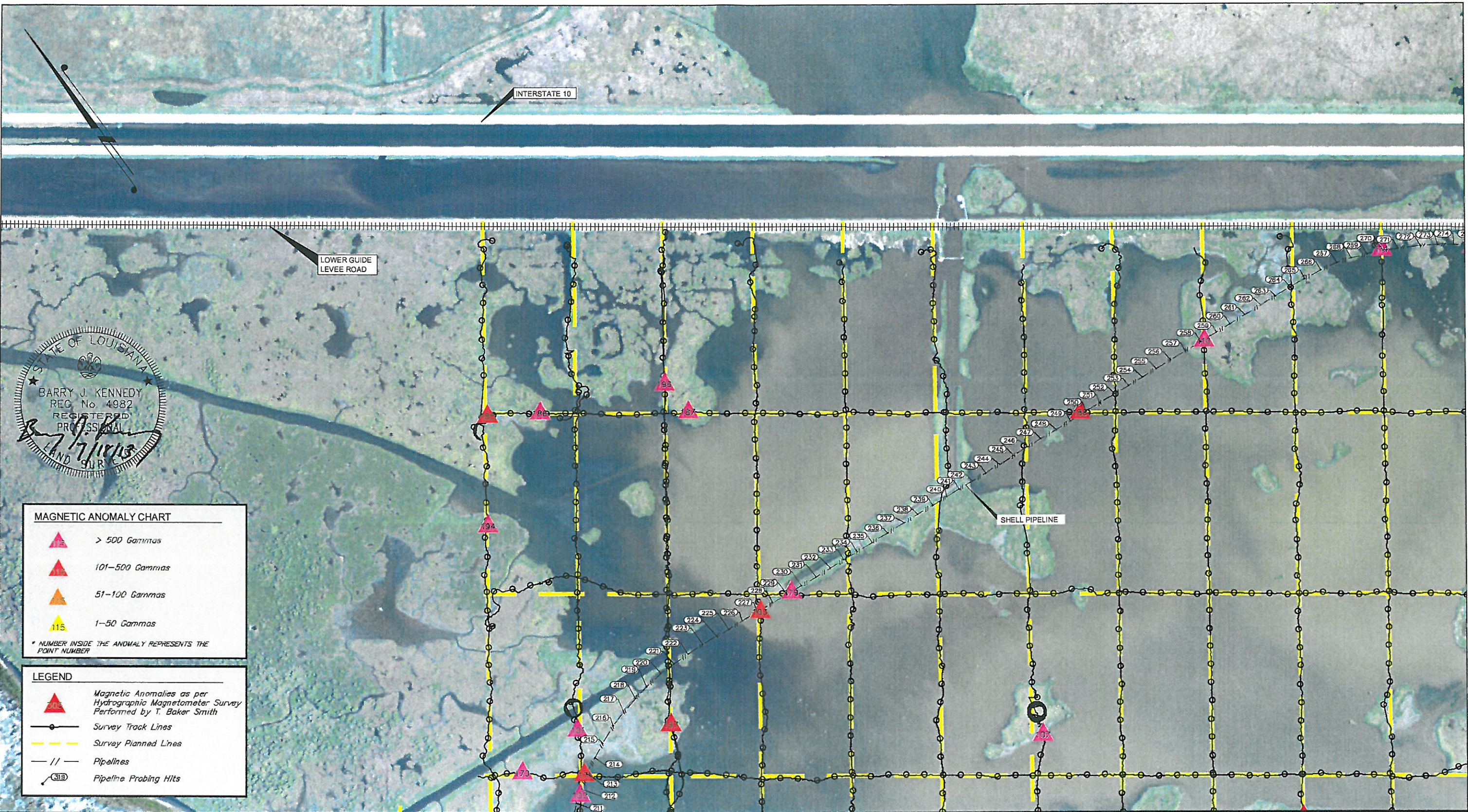
T. BAKER SMITH 1913
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412 South Van Ave., Houma, LA 70363
(855) 633-1060 - tb-smith.com

SCALE: 1" = 2000'
2000' 1000' 0' 2000'

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

DRAWN BY:	LDE	APPROVED BY:	BJK
DATE:	07/18/2013	JOB NO:	2013.0381
DRAWING NAME: 1-OVERALL SITE PLAN.DWG			
PROJECTION: LA 83-SF-MOD GEO. DATUM: NAD83 VERT. DATUM: NAVD88, Gd03 GRID UNITS: US SURVEY FEET			
SHEET NO: 1		OF 13	

OVERALL SITE PLAN
PO-133 LABRANCH CENTRAL MARSH CREATION
MAGNETOMETER SURVEY
FOR
U.S.D.A.
NATURAL RESOURCES CONSERVATION SERVICE
ST. CHARLES PARISH, LOUISIANA



MAGNETIC ANOMALY CHART

- > 500 Gammas
- 101-500 Gammas
- 51-100 Gammas
- 1-50 Gammas

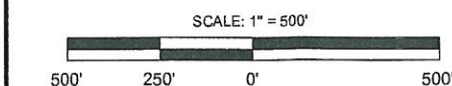
* NUMBER INSIDE THE ANOMALY REPRESENTS THE POINT NUMBER

LEGEND

- Magnetic Anomalies as per Hydrographic Magnetometer Survey Performed by T. Baker Smith
- Survey Track Lines
- Survey Planned Lines
- Pipelines
- Pipeline Probing Hits



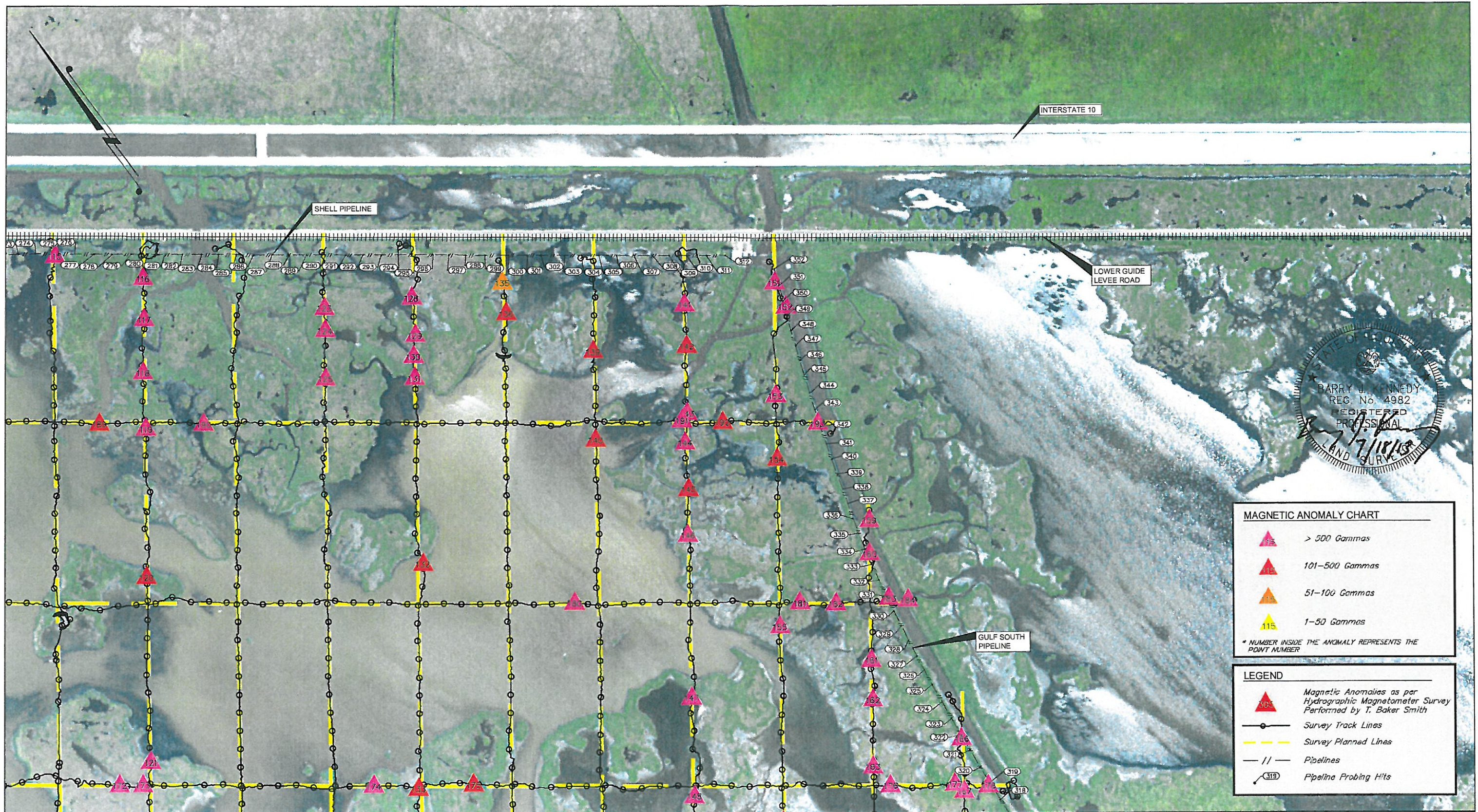
T. BAKER SMITH 1913
A CENTURY OF SOLUTIONS
412 South Van Ave., Houma, LA 70363
(985) 638-1080 - tbsmith.com 2013



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

DRAWN BY:	JMC	APPROVED BY:	BJK
DATE:	07/18/2013	JOB NO:	2013.0381
DRAWING NAME:	2-MAG TARGETS.DWG		
PROJECTION:	LA 83-SF-MOD		
GEO. DATUM:	NAD83 VERT. DATUM: NAVD88, Gd03		
GRID UNITS:	US SURVEY FEET		
SHEET NO:	2	OF	13

MAGNETOMETER SURVEY - AREA A
PO-133 LABRANCH CENTRAL MARSH CREATION
MAGNETOMETER SURVEY
FOR
U.S.D.A.
NATURAL RESOURCES CONSERVATION SERVICE
ST. CHARLES PARISH, LOUISIANA



MAGNETIC ANOMALY CHART

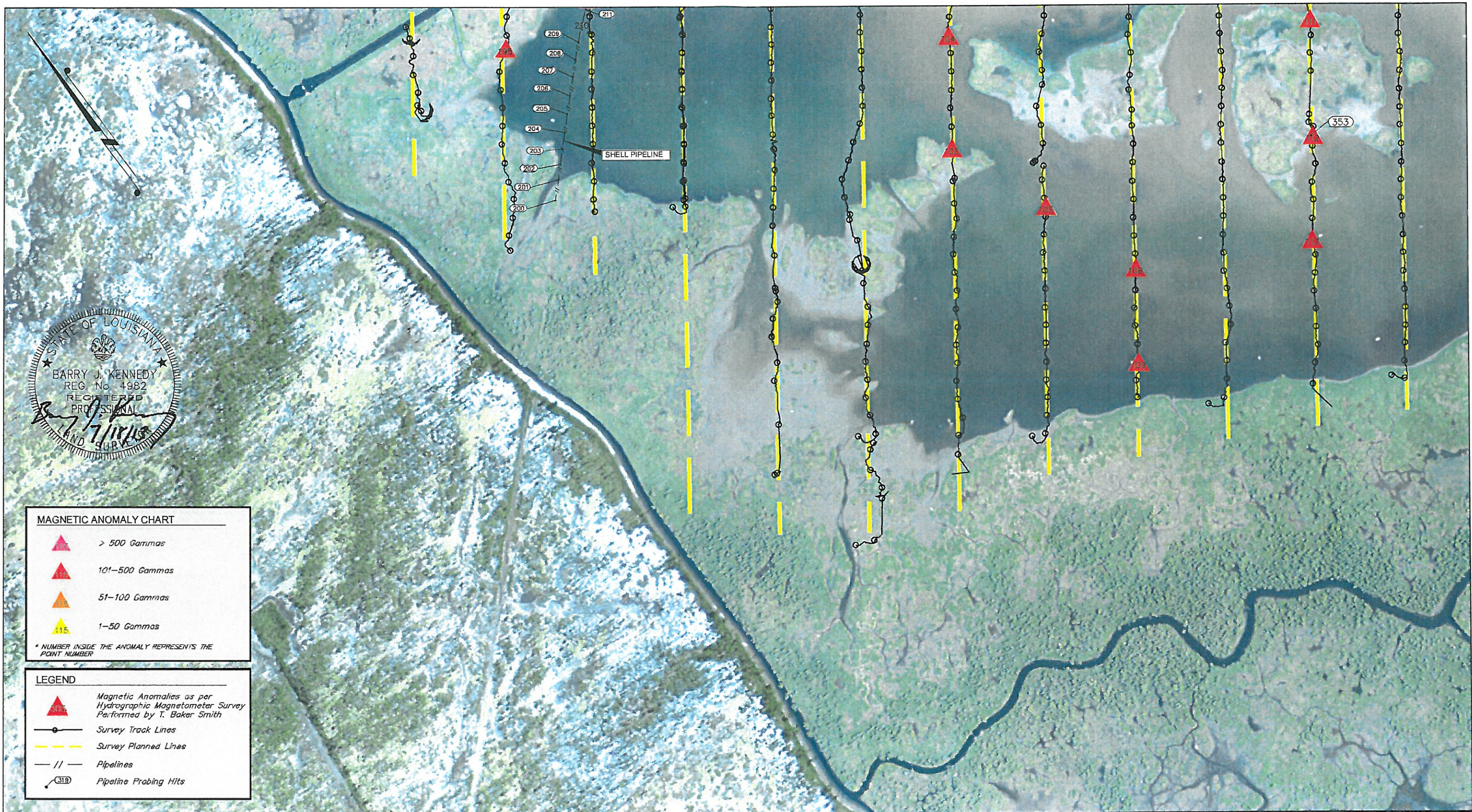
> 500 Gammas
 101-500 Gammas
 51-100 Gammas
 1-50 Gammas

* NUMBER INSIDE THE ANOMALY REPRESENTS THE POINT NUMBER

LEGEND

Magnetic Anomalies as per Hydrographic Magnetometer Survey Performed by T. Baker Smith
 Survey Track Lines
 Survey Planned Lines
 Pipelines
 Pipeline Probing Hits

	T. BAKER SMITH 1913 A CENTURY OF SOLUTIONS 412 South Van Ave., Houma, LA 70363 (985) 988-1060 - tbsmith.com	SCALE: 1" = 500'		DRAWN BY: JMC	APPROVED BY: BJK	MAGNETOMETER SURVEY - AREA B PO-133 LABRANCH CENTRAL MARSH CREATION MAGNETOMETER SURVEY FOR U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE ST. CHARLES PARISH, LOUISIANA
				DATE: 07/18/2013	JOB NO: 2013.0381	
		REV. NO: 00 REV. DATE: --/-- REV. BY: --		DRAWING NAME: 2-MAG TARGETS.DWG		
		REVISION DESCRIPTION:		PROJECTION: LA 83-SF-MOD GEO. DATUM: NAD83 VERT. DATUM: NAVD88, Gd03 GRID UNITS: US SURVEY FEET		
		--		SHEET NO: 3 OF 13		



MAGNETIC ANOMALY CHART

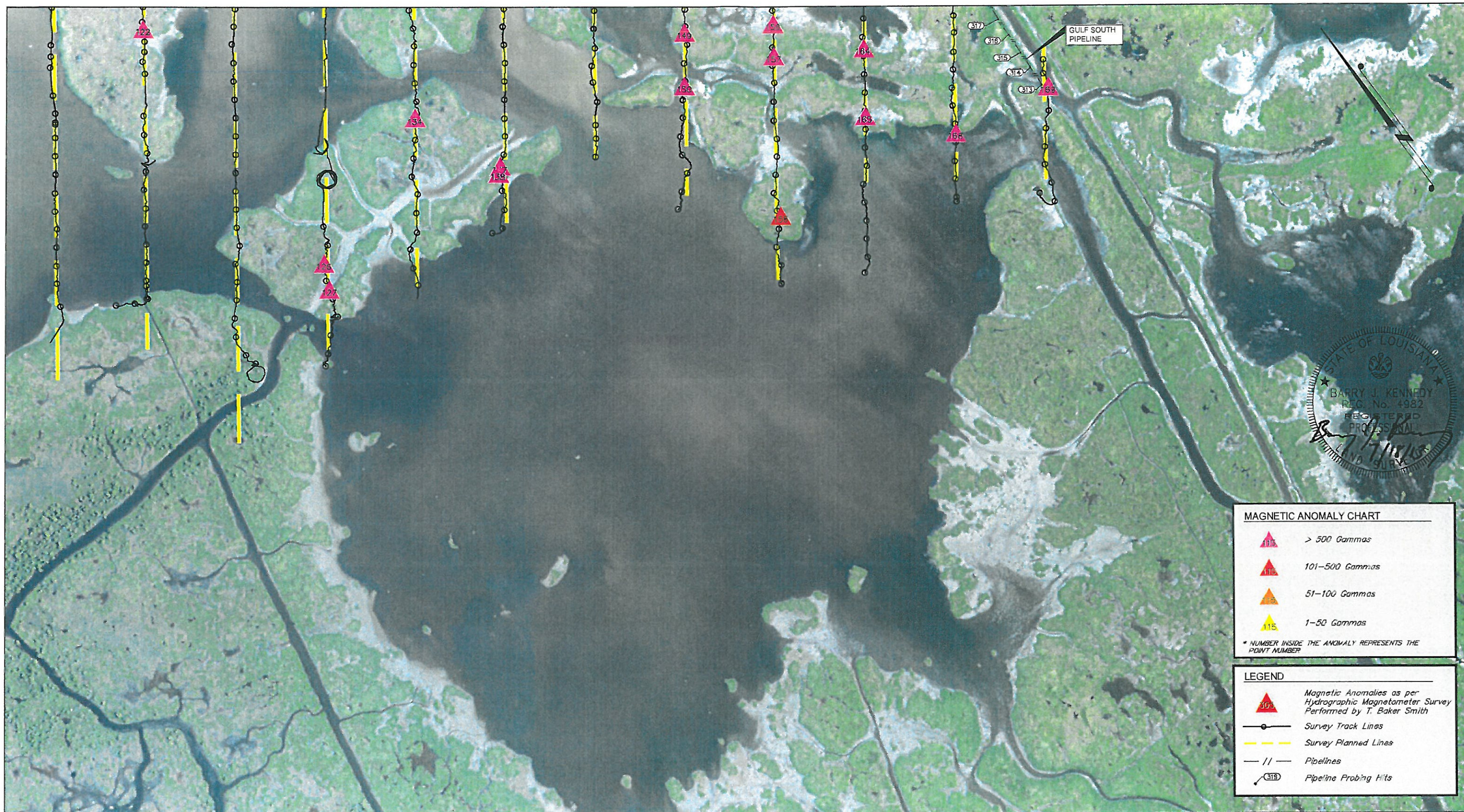
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	101-500 Gammas
	51-100 Gammas
	1-50 Gammas

* NUMBER INSIDE THE ANOMALY REPRESENTS THE POINT NUMBER

LEGEND

	Magnetic Anomalies as per Hydrographic Magnetometer Survey Performed by T. Baker Smith
	Survey Track Lines
	Survey Planned Lines
	Pipelines
	Pipeline Probing Hits

		T. BAKER SMITH 1913 A CENTURY OF SOLUTIONS 412 South Van Ave., Houma, LA 70363 (985) 838-1000 - tbsmith.com	SCALE: 1" = 500' 	DRAWN BY: JMC	APPROVED BY: BJK	MAGNETOMETER SURVEY - AREA C PO-133 LABRANCH CENTRAL MARSH CREATION MAGNETOMETER SURVEY FOR U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE ST. CHARLES PARISH, LOUISIANA
				DATE: 07/18/2013	JOB NO: 2013.0381	
DRAWING NAME: 2-MAG TARGETS.DWG						
PROJECTION: LA 83-SF-MOD GEO. DATUM: NAD83 VERT. DATUM: NAVD88, Gd99 GRID UNITS: US SURVEY FEET						
REV. NO: 00	REV. DATE: --/--	REV. BY: --	SHEET NO: 4	OF 13		



MAGNETIC ANOMALY CHART

> 500 Gammas
 101-500 Gammas
 51-100 Gammas
 1-50 Gammas

* NUMBER INSIDE THE ANOMALY REPRESENTS THE POINT NUMBER

LEGEND

Magnetic Anomalies as per Hydrographic Magnetometer Survey Performed by T. Baker Smith
 Survey Track Lines
 Survey Planned Lines
 Pipelines
 Pipeline Probing Hits

MAGNETIC ANOMALY TABLE								
POINT #	NORTHING	EASTING	LAT.	LONG.	GAMMAS (nT)	TYPE	DURATION (SEC.)	DESC.
101	559569.8000	3589365.1000	N30° 02' 06.36"	W90° 21' 29.71"	575	MP	2	Nothing Found
102	559277.5000	3589158.4000	N30° 02' 03.49"	W90° 21' 32.09"	3570	MP	10	Shell Pipeline
103	559474.9000	3590565.7000	N30° 02' 05.32"	W90° 21' 16.06"	485	MP	7	Shell Pipeline
104	557899.7000	3590620.3000	N30° 01' 49.72"	W90° 21' 15.59"	215	MP	3	Nothing Found
105	557399.5000	3590261.2000	N30° 01' 44.80"	W90° 21' 19.73"	290	MP	3	Nothing Found
106	556827.7000	3590482.4000	N30° 01' 39.12"	W90° 21' 17.26"	350	MP	3	Nothing Found
107	557983.8000	3591397.0000	N30° 01' 50.49"	W90° 21' 06.75"	2175	MP	4	Nothing Found
108	556255.6000	3590669.5000	N30° 01' 33.44"	W90° 21' 15.19"	345	MP	3	Nothing Found
109	555831.9000	3590363.7000	N30° 01' 29.28"	W90° 21' 18.71"	430	MP	3	Nothing Found
110	559162.9000	3593431.2000	N30° 02' 01.99"	W90° 20' 43.49"	1550	DP	10	Shell Pipeline
111	556747.9000	3592272.3000	N30° 01' 38.18"	W90° 20' 56.91"	415	MP	2	Nothing Found
112	556232.4000	3591894.7000	N30° 01' 33.11"	W90° 21' 01.26"	300	MP	3	Tin
113	555782.8000	3591545.2000	N30° 01' 28.69"	W90° 21' 05.28"	260	MP	3	Duck Blind
114	558964.3000	3594529.1000	N30° 01' 59.93"	W90° 20' 31.02"	1660	MP	8	Shell Pipeline
115	558665.7000	3594941.1000	N30° 01' 56.94"	W90° 20' 26.36"	600	MP	3	Shell Pipeline
116	558271.2000	3595254.1000	N30° 01' 53.01"	W90° 20' 22.84"	1970	MP	2	Nothing Found
117	558086.9000	3595122.7000	N30° 01' 51.19"	W90° 20' 24.35"	930	MP	3	Nothing Found
118	557856.3000	3594940.7000	N30° 01' 48.93"	W90° 20' 26.45"	860	MP	2	Nothing Found
119	557599.6000	3594764.9000	N30° 01' 46.40"	W90° 20' 28.47"	1130	MP	2	Nothing Found
120	556944.8000	3594272.5000	N30° 01' 39.96"	W90° 20' 34.14"	230	MP	2	Nothing Found
121	556120.6000	3593674.1000	N30° 01' 31.85"	W90° 20' 41.03"	915	MP	2	Nothing Found
122	555839.6000	3593455.7000	N30° 01' 29.09"	W90° 20' 43.54"	750	MP	3	Nothing Found
123	557532.5000	3595956.0000	N30° 01' 45.63"	W90° 20' 14.93"	810	MP	3	Nothing Found
124	557430.9000	3595884.1000	N30° 01' 44.63"	W90° 20' 15.76"	930	MP	3	Nothing Found
125	557217.6000	3595725.2000	N30° 01' 42.54"	W90° 20' 17.58"	860	MP	2	Nothing Found

MAGNETIC ANOMALY TABLE								
POINT #	NORTHING	EASTING	LAT.	LONG.	GAMMAS (nT)	TYPE	DURATION (SEC.)	DESC.
126	554209.1000	3593479.0000	N30° 01' 12.95"	W90° 20' 43.43"	2550	MP	2	Nothing Found
127	554076.0000	3593416.3000	N30° 01' 11.64"	W90° 20' 44.16"	630	MP	1	Nothing Found
128	557283.2000	3596375.1000	N30° 01' 43.13"	W90° 20' 10.18"	7360	MP	2	Nothing Found
129	557107.0000	3596265.9000	N30° 01' 41.39"	W90° 20' 11.44"	2240	MP	1	Nothing Found
130	557019.6000	3596188.4000	N30° 01' 40.54"	W90° 20' 12.33"	1970	MP	3	Nothing Found
131	556921.5000	3596119.5000	N30° 01' 39.57"	W90° 20' 13.13"	1695	MP	2	Nothing Found
132	556076.8000	3595536.2000	N30° 01' 31.26"	W90° 20' 19.85"	380	MP	2	Nothing Found
133	555107.9000	3594765.1000	N30° 01' 21.73"	W90° 20' 28.71"	288	MP	1	Nothing Found
134	554535.3000	3594362.1000	N30° 01' 16.10"	W90° 20' 33.36"	6700	MP	3	Nothing Found
135	557045.4000	3596825.6000	N30° 01' 40.74"	W90° 20' 05.08"	90	MP	2	Nothing Found
136	556897.1000	3596739.3000	N30° 01' 39.28"	W90° 20' 06.08"	385	MP	2	Nothing Found
137	554039.8000	3594580.2000	N30° 01' 11.18"	W90° 20' 30.92"	735	MP	2	Nothing Found
138	554014.9000	3594548.0000	N30° 01' 10.93"	W90° 20' 31.29"	1460	MP	1	Nothing Found
139	556437.5000	3596995.8000	N30° 01' 34.70"	W90° 20' 03.21"	260	MP	2	Nothing Found
140	556040.2000	3596711.4000	N30° 01' 30.80"	W90° 20' 06.48"	330	MP	3	Nothing Found
141	556338.6000	3597555.0000	N30° 01' 33.68"	W90° 19' 56.86"	660	MP	2	Nothing Found
142	556146.4000	3597426.1000	N30° 01' 31.79"	W90° 19' 58.34"	480	MP	2	Nothing Found
143	555850.8000	3597201.9000	N30° 01' 28.88"	W90° 20' 00.92"	835	MP	3	Nothing Found
144	555728.1000	3597094.8000	N30° 01' 27.67"	W90° 20' 02.15"	1210	MP	2	Nothing Found
145	555513.0000	3596953.7000	N30° 01' 25.56"	W90° 20' 03.78"	390	MP	2	Nothing Found
146	555313.5000	3596796.7000	N30° 01' 23.60"	W90° 20' 05.58"	1150	MP	2	Nothing Found
147	554590.5000	3596268.4000	N30° 01' 16.48"	W90° 20' 11.66"	750	MP	2	Nothing Found
148	554152.3000	3595952.4000	N30° 01' 12.17"	W90° 20' 15.30"	880	MP	2	Nothing Found
149	554004.0000	3595834.2000	N30° 01' 10.72"	W90° 20' 16.66"	1100	MP	3	Nothing Found
150	553770.5000	3595657.4000	N30° 01' 08.42"	W90° 20' 18.70"	650	DP	3	Nothing Found

NOTES:
1. MP = MONDPOLE MAGNETIC SIGNATURE
DP = DIPOLE MAGNETIC SIGNATURE





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NOT TO SCALE

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

DRAWN BY: JMC APPROVED BY: BJK
DATE: 07/18/2013 JOB NO: 2013.0381
DRAWING NAME: 2-MAG TARGETS.DWG
PROJECTION: LA 83-SF-MOD
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88, Gd03
GRID UNITS: US SURVEY FEET
SHEET NO: 6 OF 13

MAGNETIC ANOMALY TABLE

PO-133 LABRANCH CENTRAL MARSH CREATION
MAGNETOMETER SURVEY
FOR
U.S.D.A.
NATURAL RESOURCES CONSERVATION SERVICE
ST. CHARLES PARISH, LOUISIANA

MAGNETIC ANOMALY TABLE								
POINT #	NORTHING	EASTING	LAT.	LONG.	GAMMAS (nT)	TYPE	DURATION (SEC.)	DESC.
151	556130.0000	3598025.8000	N30° 01' 31.57"	W90° 19' 51.52"	2160	DP	20	Gulf South Pipeline
152	555986.8000	3597995.1000	N30° 01' 30.16"	W90° 19' 51.88"	1880	DP	13	Nothing Found
153	555629.2000	3597652.0000	N30° 01' 26.65"	W90° 19' 55.82"	770	MP	2	Nothing Found
154	555346.6000	3597445.1000	N30° 01' 23.87"	W90° 19' 58.20"	263	MP	1	Nothing Found
155	554601.7000	3596895.4000	N30° 01' 16.54"	W90° 20' 04.53"	735	MP	3	Nothing Found
156	553741.2000	3596256.8000	N30° 01' 08.08"	W90° 20' 11.88"	1060	MP	1	Nothing Found
157	553599.2000	3596152.9000	N30° 01' 06.68"	W90° 20' 13.08"	1820	MP	2	Nothing Found
158	552879.6000	3595652.7000	N30° 00' 59.60"	W90° 20' 18.84"	395	MP	3	Nothing Found
159	554769.5000	3597646.0000	N30° 01' 18.14"	W90° 19' 55.98"	1900	MP	5	Gulf South Pipeline
160	554620.4000	3597535.1000	N30° 01' 16.67"	W90° 19' 57.25"	4100	MP	15	Gulf South Pipeline
161	554148.8000	3597185.0000	N30° 01' 12.03"	W90° 20' 01.28"	6080	MP	1	Nothing Found
162	553969.2000	3597058.4000	N30° 01' 10.27"	W90° 20' 02.74"	2250	MP	2	Nothing Found
163	553678.5000	3596837.0000	N30° 01' 07.41"	W90° 20' 05.29"	585	MP	2	Nothing Found
164	553328.7000	3596573.2000	N30° 01' 03.97"	W90° 20' 08.32"	980	MP	1	Nothing Found
165	553028.0000	3596355.3000	N30° 01' 01.01"	W90° 20' 10.83"	1090	MP	2	Nothing Found
166	553502.6000	3597317.0000	N30° 01' 05.62"	W90° 19' 59.84"	1930	MP	5	Gulf South Pipeline
167	553265.2000	3597154.8000	N30° 01' 03.29"	W90° 20' 01.71"	1710	MP	3	Nothing Found
168	552649.3000	3596700.1000	N30° 00' 57.23"	W90° 20' 06.95"	1250	MP	2	Nothing Found
169	552535.8000	3597262.2000	N30° 00' 56.06"	W90° 20' 00.56"	8640	MP	5	Gulf South Pipeline
170	559567.1000	3588979.6000	N30° 02' 06.37"	W90° 21' 34.10"	640	MP	2	Nothing Found
171	559351.4000	3589246.6000	N30° 02' 04.21"	W90° 21' 31.08"	455	MP	4	Shell Pipeline
172	556123.6000	3593461.1000	N30° 01' 31.90"	W90° 20' 43.45"	985	MP	2	Nothing Found
173	556046.6000	3593564.5000	N30° 01' 31.13"	W90° 20' 42.28"	620	MP	2	Nothing Found
174	555270.3000	3594578.3000	N30° 01' 23.36"	W90° 20' 30.82"	1680	MP	4	Nothing Found

MAGNETIC ANOMALY TABLE								
POINT #	NORTHING	EASTING	LAT.	LONG.	GAMMAS (nT)	TYPE	DURATION (SEC.)	DESC.
175	554940.3000	3595021.3000	N30° 01' 20.05"	W90° 20' 25.82"	340	MP	2	Nothing Found
176	553537.7000	3596849.9000	N30° 01' 06.01"	W90° 20' 05.15"	2000	MP	3	Nothing Found
177	553327.6000	3597137.4000	N30° 01' 03.91"	W90° 20' 01.91"	2000	MP	2	Nothing Found
178	553208.1000	3597280.4000	N30° 01' 02.71"	W90° 20' 00.29"	2600	MP	5	Gulf South Pipeline
179	559454.8000	3590768.3000	N30° 02' 05.10"	W90° 21' 13.76"	1010	DP	8	Shell Pipeline
180	555396.5000	3596073.3000	N30° 01' 24.48"	W90° 20' 13.80"	1460	MP	5	Nothing Found
181	554639.9000	3597062.7000	N30° 01' 16.90"	W90° 20' 02.62"	540	MP	2	Nothing Found
182	554516.9000	3597217.7000	N30° 01' 15.67"	W90° 20' 00.87"	1550	MP	3	Nothing Found
183	554359.9000	3597469.4000	N30° 01' 14.10"	W90° 19' 58.03"	910	MP	8	Gulf South Pipeline
184	554288.6000	3597548.0000	N30° 01' 13.38"	W90° 19' 57.14"	1150	MP	6	Gulf South Pipeline
185	561250.3000	3590019.8000	N30° 02' 22.94"	W90° 21' 22.10"	380	MP	3	Nothing Found
186	561086.1000	3590261.3000	N30° 02' 21.30"	W90° 21' 19.37"	608	MP	2	Nothing Found
187	560594.4000	3590919.0000	N30° 02' 16.37"	W90° 21' 11.93"	1144	MP	2	Nothing Found
188	559267.5000	3592644.5000	N30° 02' 03.09"	W90° 20' 52.43"	330	MP	3	Shell Pipeline
189	557777.8000	3594576.7000	N30° 01' 48.18"	W90° 20' 30.59"	385	MP	1	Nothing Found
190	557425.7000	3595036.4000	N30° 01' 44.66"	W90° 20' 25.40"	665	MP	3	Nothing Found
191	555838.4000	3597154.6000	N30° 01' 28.76"	W90° 20' 01.46"	1590	MP	2	Nothing Found
192	555692.7000	3597329.9000	N30° 01' 27.30"	W90° 19' 59.48"	470	MP	1	Nothing Found
193	555365.8000	3597744.1000	N30° 01' 24.03"	W90° 19' 54.80"	1200	MP	4	Gulf South Pipeline
194	560764.4000	3589654.6000	N30° 02' 18.16"	W90° 21' 26.30"	890	MP	3	Nothing Found
195	559346.7000	3588621.3000	N30° 02' 04.22"	W90° 21' 38.19"	390	MP	2	Nothing Found
196	560795.6000	3590908.5000	N30° 02' 18.37"	W90° 21' 12.03"	870	MP	4	Nothing Found
197	559279.7000	3589796.2000	N30° 02' 03.45"	W90° 21' 24.83"	385	MP	3	Nothing Found

NOTES:
1. MP = MONOPOLE MAGNETIC SIGNATURE
DP = DIPOLE MAGNETIC SIGNATURE

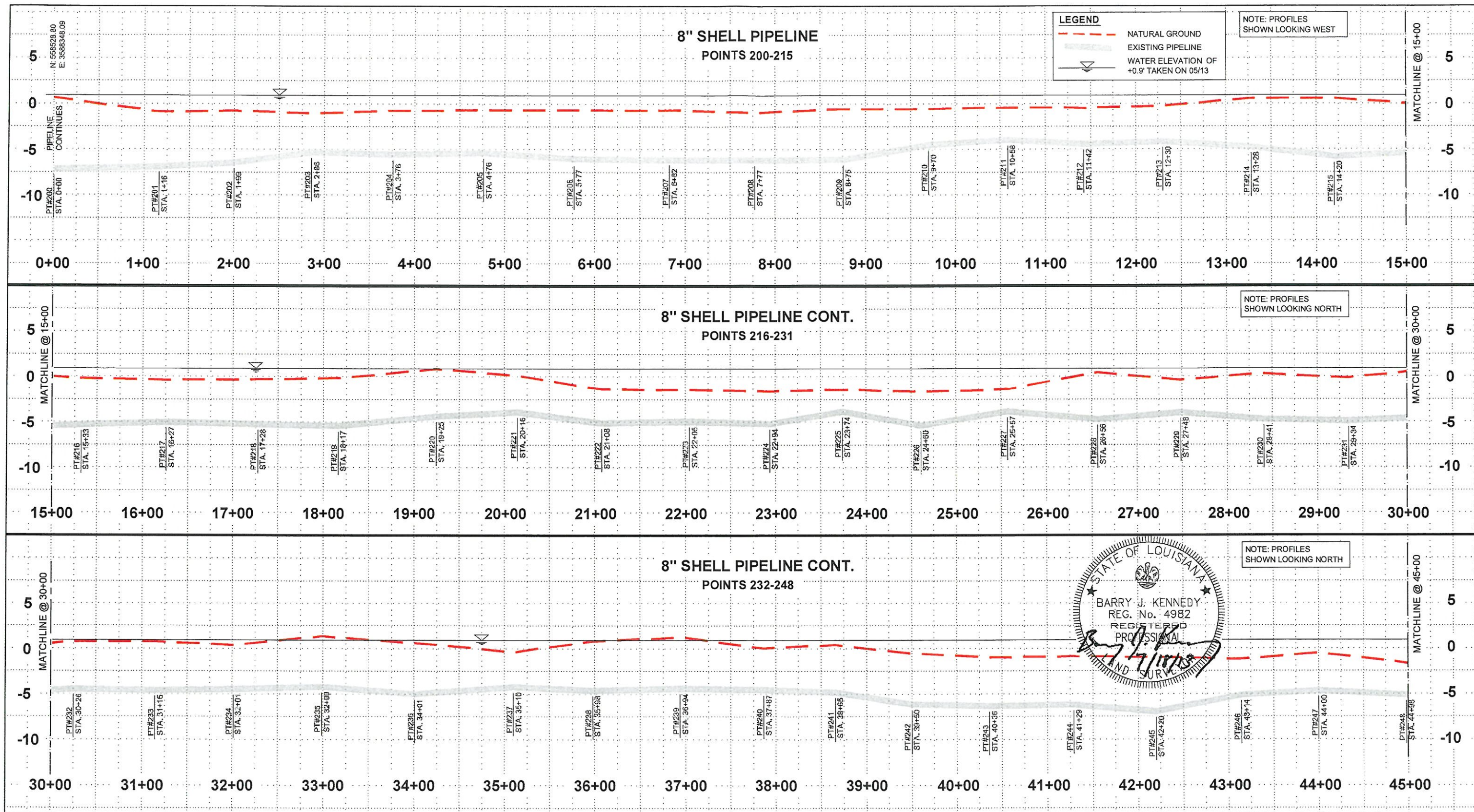


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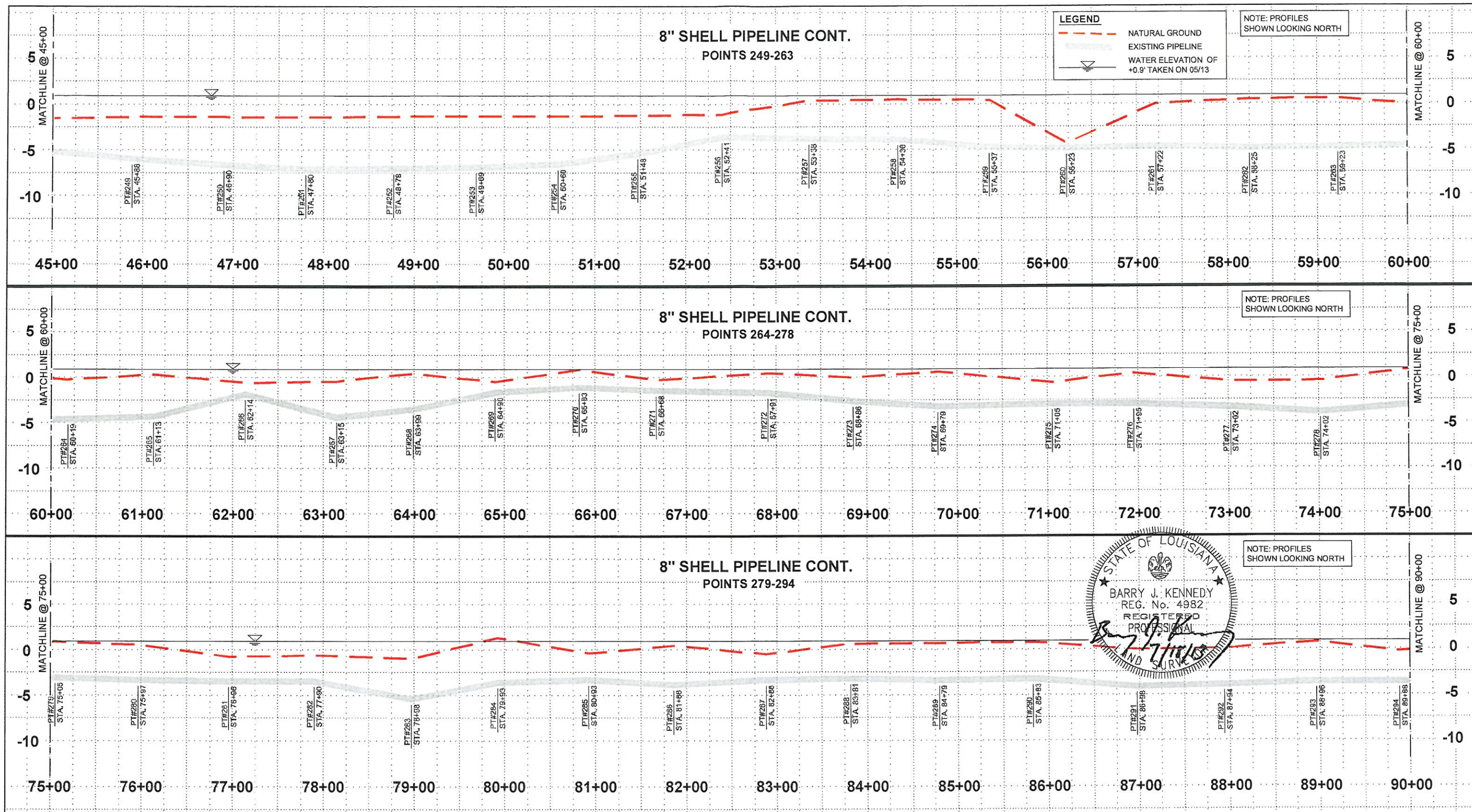
REV. NO: 00 REV. DATE: --/-- REV. BY: --
REVISION DESCRIPTION:
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DRAWN BY: JMC APPROVED BY: BJK
DATE: 07/18/2013 JOB NO: 2013.0381
DRAWING NAME: 2-MAG TARGETS.DWG
PROJECTION: LA 83-SF-MOD
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88, Gd03
GRID UNITS: US SURVEY FEET
SHEET NO: 7 OF 13

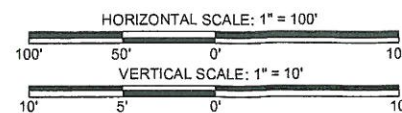
MAGNETIC ANOMALY TABLE
PO-133 LABRANCH CENTRAL MARSH CREATION
MAGNETOMETER SURVEY
FOR
U.S.D.A.
NATURAL RESOURCES CONSERVATION SERVICE
ST. CHARLES PARISH, LOUISIANA



	T. BAKER SMITH 1913 A CENTURY OF SOLUTIONS 412 South Van Ave, Houma, LA 70363 (985) 865-1050 - tbsmith.com	HORIZONTAL SCALE: 1" = 100' 		DRAWN BY: LDE APPROVED BY: BJK		PIPELINE PROFILE PO-133 LABRANCH CENTRAL MARSH CREATION MAGNETOMETER SURVEY FOR U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE ST. CHARLES PARISH, LOUISIANA
		VERTICAL SCALE: 1" = 10' 		DATE: 07/18/2013 JOB NO: 2013.0381		
		REV. NO: 00 REV. DATE: --/-- REV. BY: --		DRAWING NAME: 3-PIPELINE PROFILES.DWG		
		REVISION DESCRIPTION:		PROJECTION: LA 83-SF-MOD GEO. DATUM: NAD83 VERT. DATUM: NAVD88, Gd03 GRID UNITS: US SURVEY FEET		
		SHEET NO: 8 OF 13				



T. BAKER SMITH 1913
A CENTURY OF SOLUTIONS
412 South Van Ave., Houma, LA 70353
(361) 868-1260 - tbsmith.com 2013



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

REVISION DESCRIPTION:

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DRAWN BY: LDE APPROVED BY: BJK

DATE: 07/18/2013 JOB NO: 2013.0381

DRAWING NAME: 3-PIPELINE PROFILES.DWG

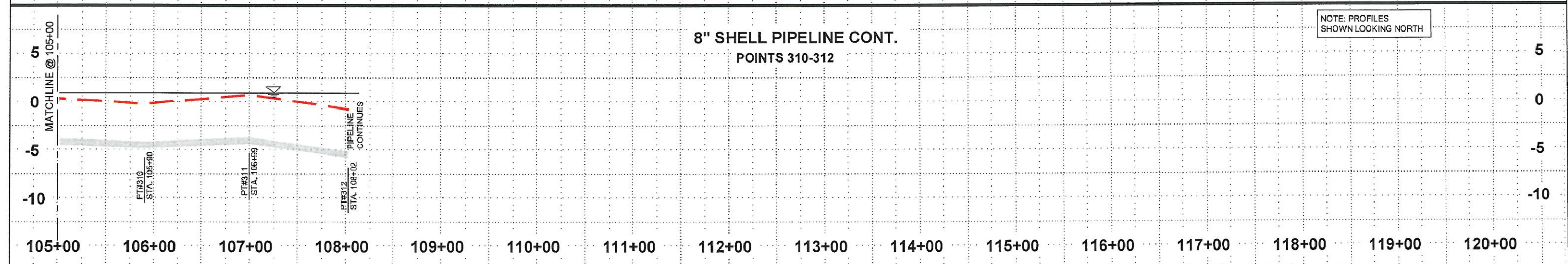
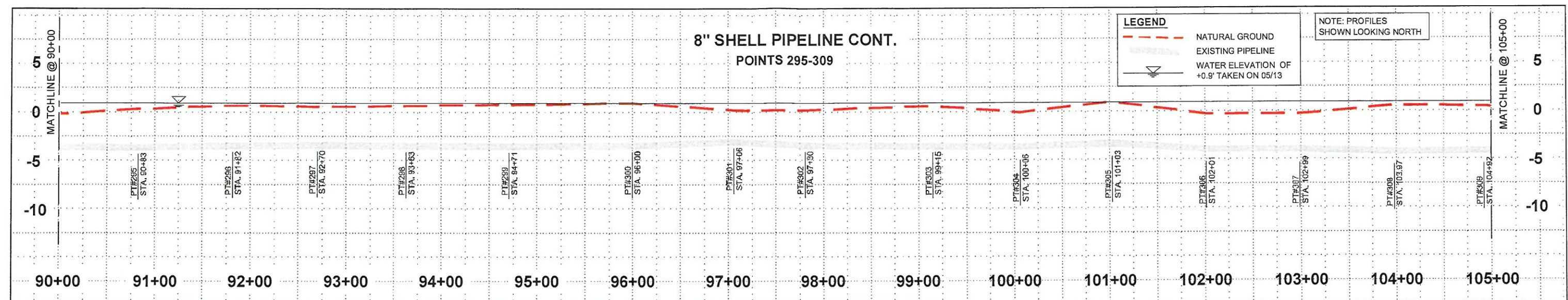
PROJECTION: LA 83-SF-MOD
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88, Gd03
GRID UNITS: US SURVEY FEET

SHEET NO: 9 OF 13

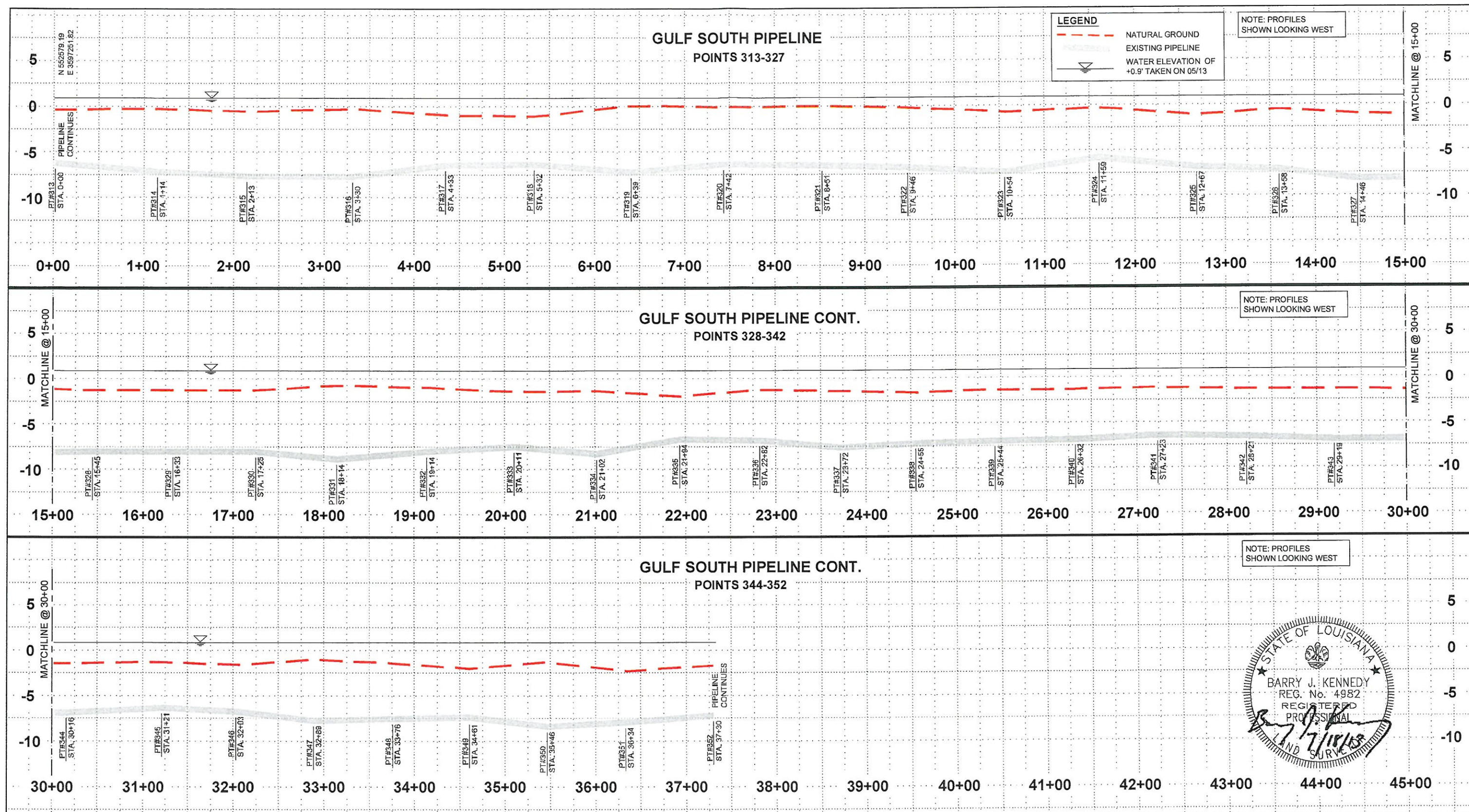
PIPELINE PROFILE

PO-133 LABRANCH CENTRAL MARSH CREATION
MAGNETOMETER SURVEY

FOR
U.S.D.A.
NATURAL RESOURCES CONSERVATION SERVICE
ST. CHARLES PARISH, LOUISIANA



	T. BAKER SMITH 1913 A CENTURY OF SOLUTIONS 412 South Van Ave., Houma, LA 70363 (888)668-1050 - tbsmith.com	HORIZONTAL SCALE: 1" = 100' 	DRAWN BY: LDE	APPROVED BY: BJK	PIPELINE PROFILE PO-133 LABRANCH CENTRAL MARSH CREATION MAGNETOMETER SURVEY FOR U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE ST. CHARLES PARISH, LOUISIANA
		VERTICAL SCALE: 1" = 10' 	DATE: 07/18/2013	JOB NO: 2013.0381	
		REV. NO: 00 REV. DATE: --/-- REV. BY: --	DRAWING NAME: 3-PIPELINE PROFILES.DWG		
		REVISION DESCRIPTION: --	PROJECTION: LA 83-SF-MOD GEO. DATUM: NAD83 VERT. DATUM: NAVD88, Gd03 GRID UNITS: US SURVEY FEET		
		SHEET NO: 10 OF 13			



HORIZONTAL SCALE: 1" = 100'		
100'	50'	0'
VERTICAL SCALE: 1" = 10'		
10'	5'	0'
REV. NO: 00	REV. DATE: --/--	REV. BY: --
REVISION DESCRIPTION:		
--		

DRAWN BY: LDE	APPROVED BY: BJK
DATE: 07/18/2013	JOB NO: 2013.0381
DRAWING NAME: 3-PIPELINE PROFILES.DWG	
PROJECTION: LA 83-SF-MOD	
GEO. DATUM: NAD83 VERT. DATUM: NAVD88, Gd03	
GRID UNITS: US SURVEY FEET	
SHEET NO: 11	OF 13

PIPELINE PROFILE

PO-133 LABRANCH CENTRAL MARSH CREATION

MAGNETOMETER SURVEY

FOR

U.S.D.A.

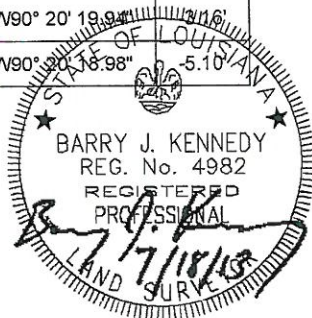
NATURAL RESOURCES CONSERVATION SERVICE

ST. CHARLES PARISH, LOUISIANA

SHELL PIPELINE POINT TABLE					
Point #	Northing	Easting	Lat.	Long.	Elev
200	558528.80	3588348.09	N30° 01' 56.14"	W90° 21' 41.38"	-6.84'
201	558609.33	3588431.94	N30° 01' 56.93"	W90° 21' 40.42"	-6.56'
202	558667.63	3588491.07	N30° 01' 57.50"	W90° 21' 39.74"	-6.14'
203	558728.35	3588552.85	N30° 01' 58.10"	W90° 21' 39.03"	-5.00'
204	558791.18	3588617.32	N30° 01' 58.72"	W90° 21' 38.29"	-5.22'
205	558862.83	3588687.74	N30° 01' 59.42"	W90° 21' 37.48"	-5.05'
206	558933.15	3588759.38	N30° 02' 00.11"	W90° 21' 36.66"	-5.72'
207	559006.00	3588835.86	N30° 02' 00.82"	W90° 21' 35.79"	-5.82'
208	559071.32	3588904.78	N30° 02' 01.47"	W90° 21' 35.00"	-5.84'
209	559138.39	3588975.86	N30° 02' 02.12"	W90° 21' 34.18"	-5.80'
210	559200.78	3589047.12	N30° 02' 02.74"	W90° 21' 33.36"	-4.21'
211	559255.21	3589116.68	N30° 02' 03.27"	W90° 21' 32.57"	-3.66'
212	559302.30	3589185.92	N30° 02' 03.73"	W90° 21' 31.77"	-4.13'
213	559350.45	3589259.88	N30° 02' 04.20"	W90° 21' 30.93"	-3.82'
214	559393.24	3589347.47	N30° 02' 04.62"	W90° 21' 29.93"	-4.48'
215	559430.43	3589431.97	N30° 02' 04.98"	W90° 21' 28.96"	-5.48'
216	559471.45	3589536.98	N30° 02' 05.37"	W90° 21' 27.76"	-4.94'
217	559494.38	3589628.02	N30° 02' 05.59"	W90° 21' 26.73"	-4.69'
218	559515.14	3589727.32	N30° 02' 05.79"	W90° 21' 25.59"	-4.91'
219	559527.83	3589814.97	N30° 02' 05.91"	W90° 21' 24.60"	-5.06'
220	559537.68	3589922.69	N30° 02' 06.00"	W90° 21' 23.37"	-4.05'
221	559536.68	3590012.70	N30° 02' 05.98"	W90° 21' 22.35"	-3.56'
222	559533.45	3590106.15	N30° 02' 05.94"	W90° 21' 21.28"	-4.77'
223	559525.97	3590202.46	N30° 02' 05.86"	W90° 21' 20.19"	-4.59'
224	559515.68	3590291.02	N30° 02' 05.75"	W90° 21' 19.18"	-4.80'
225	559505.12	3590370.02	N30° 02' 05.64"	W90° 21' 18.28"	-3.48'
226	559494.86	3590456.19	N30° 02' 05.53"	W90° 21' 17.30"	-5.04'
227	559483.98	3590552.29	N30° 02' 05.41"	W90° 21' 16.21"	-3.47'

SHELL PIPELINE POINT TABLE CONT.					
Point #	Northing	Easting	Lat.	Long.	Elev
228	559473.25	3590650.94	N30° 02' 05.30"	W90° 21' 15.09"	-4.34'
229	559462.45	3590742.16	N30° 02' 05.18"	W90° 21' 14.05"	-3.61'
230	559452.15	3590833.94	N30° 02' 05.07"	W90° 21' 13.01"	-4.36'
231	559441.87	3590926.99	N30° 02' 04.96"	W90° 21' 11.95"	-4.55'
232	559432.96	3591018.02	N30° 02' 04.87"	W90° 21' 10.92"	-4.12'
233	559423.85	3591106.74	N30° 02' 04.77"	W90° 21' 09.91"	-4.27'
234	559414.43	3591192.62	N30° 02' 04.67"	W90° 21' 08.93"	-4.12'
235	559403.51	3591289.40	N30° 02' 04.55"	W90° 21' 07.83"	-3.85'
236	559392.49	3591391.06	N30° 02' 04.44"	W90° 21' 06.68"	-4.67'
237	559380.72	3591499.72	N30° 02' 04.31"	W90° 21' 05.44"	-3.88'
238	559371.90	3591586.79	N30° 02' 04.21"	W90° 21' 04.45"	-4.27'
239	559361.70	3591682.62	N30° 02' 04.11"	W90° 21' 03.36"	-4.03'
240	559351.62	3591774.48	N30° 02' 04.00"	W90° 21' 02.32"	-4.19'
241	559343.59	3591852.53	N30° 02' 03.91"	W90° 21' 01.43"	-4.49'
242	559334.03	3591936.54	N30° 02' 03.81"	W90° 21' 00.48"	-5.82'
243	559324.73	3592022.40	N30° 02' 03.71"	W90° 20' 59.50"	-5.98'
244	559315.43	3592114.52	N30° 02' 03.61"	W90° 20' 58.45"	-5.86'
245	559306.02	3592205.15	N30° 02' 03.51"	W90° 20' 57.42"	-6.59'
246	559295.65	3592299.28	N30° 02' 03.40"	W90° 20' 56.35"	-4.78'
247	559285.59	3592384.40	N30° 02' 03.29"	W90° 20' 55.39"	-4.30'
248	559274.58	3592481.75	N30° 02' 03.18"	W90° 20' 54.28"	-4.82'
249	559264.66	3592571.66	N30° 02' 03.07"	W90° 20' 53.26"	-5.62'
250	559254.98	3592672.82	N30° 02' 02.96"	W90° 20' 52.11"	-6.33'
251	559245.08	3592762.63	N30° 02' 02.86"	W90° 20' 51.09"	-6.77'
252	559233.75	3592859.05	N30° 02' 02.74"	W90° 20' 49.99"	-6.67'
253	559222.85	3592950.06	N30° 02' 02.62"	W90° 20' 48.96"	-6.53'
254	559212.92	3593040.19	N30° 02' 02.52"	W90° 20' 47.93"	-6.22'
255	559204.50	3593128.02	N30° 02' 02.43"	W90° 20' 46.94"	-5.08'

SHELL PIPELINE POINT TABLE CONT.					
Point #	Northing	Easting	Lat.	Long.	Elev
256	559193.97	3593220.29	N30° 02' 02.31"	W90° 20' 45.89"	-3.26'
257	559182.96	3593316.42	N30° 02' 02.20"	W90° 20' 44.79"	-3.47'
258	559172.14	3593413.67	N30° 02' 02.08"	W90° 20' 43.69"	-3.55'
259	559161.34	3593514.61	N30° 02' 01.97"	W90° 20' 42.54"	-4.44'
260	559152.73	3593600.48	N30° 02' 01.87"	W90° 20' 41.57"	-4.58'
261	559142.26	3593698.06	N30° 02' 01.76"	W90° 20' 40.46"	-4.36'
262	559130.68	3593800.86	N30° 02' 01.64"	W90° 20' 39.29"	-4.58'
263	559120.65	3593898.09	N30° 02' 01.53"	W90° 20' 38.18"	-4.43'
264	559109.87	3593993.80	N30° 02' 01.42"	W90° 20' 37.10"	-4.26'
265	559098.08	3594087.36	N30° 02' 01.29"	W90° 20' 36.03"	-4.00'
266	559081.00	3594186.89	N30° 02' 01.11"	W90° 20' 34.90"	-1.51'
267	559057.95	3594284.59	N30° 02' 00.88"	W90° 20' 33.79"	-4.06'
268	559030.15	3594364.54	N30° 02' 00.59"	W90° 20' 32.89"	-3.18'
269	558992.86	3594447.50	N30° 02' 00.22"	W90° 20' 31.94"	-1.29'
270	558953.00	3594531.12	N30° 01' 59.82"	W90° 20' 31.00"	-0.76'
271	558913.86	3594606.22	N30° 01' 59.42"	W90° 20' 30.15"	-1.10'
272	558850.22	3594711.89	N30° 01' 58.78"	W90° 20' 28.95"	-1.37'
273	558796.19	3594789.43	N30° 01' 58.24"	W90° 20' 28.07"	-2.31'
274	558741.02	3594864.82	N30° 01' 57.69"	W90° 20' 27.22"	-2.91'
275	558664.29	3594965.23	N30° 01' 56.92"	W90° 20' 26.09"	-2.62'
276	558608.70	3595036.14	N30° 01' 56.37"	W90° 20' 25.29"	-2.61'
277	558543.69	3595121.04	N30° 01' 55.71"	W90° 20' 24.33"	-3.00'
278	558483.00	3595200.22	N30° 01' 55.11"	W90° 20' 23.43"	-3.55'
279	558420.42	3595282.03	N30° 01' 54.48"	W90° 20' 22.51"	-2.75'
280	558364.77	3595355.13	N30° 01' 53.92"	W90° 20' 21.68"	-3.02'
281	558304.61	3595434.36	N30° 01' 53.32"	W90° 20' 20.79"	-3.18'
282	558247.83	3595509.01	N30° 01' 52.75"	W90° 20' 19.94"	-5.10'
283	558182.42	3595594.05	N30° 01' 52.10"	W90° 20' 19.04"	-5.10'





T. BAKER SMITH 1913
A CENTURY OF SOLUTIONS
412 South Van Ave., Houma, LA 70363
(955) 838-1360 - tbsmith.com

2013

NOT TO SCALE

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

REVISION DESCRIPTION:
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DRAWN BY: LDE APPROVED BY: BJK

DATE: 07/18/2013 JOB NO: 2013.0381

DRAWING NAME: 2-MAG TARGETS.DWG

PROJECTION: LA 83-SF-MOD
GEO. DATUM: NAD83 | VERT. DATUM: NAVD88, Gd03
GRID UNITS: US SURVEY FEET

SHEET NO: 12 OF 13

PIPELINE POINT TABLE

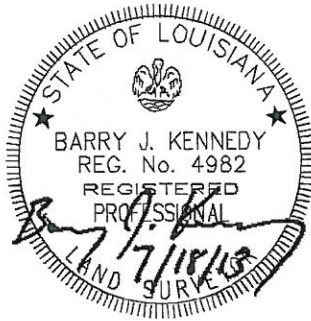
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SHELL PIPELINE POINT TABLE CONT.					
Point #	Northing	Easting	Lat.	Long.	Elev
284	558124.75	3595669.55	N30° 01' 51.52"	W90° 20' 18.13"	-3.32'
285	558063.92	3595749.55	N30° 01' 50.91"	W90° 20' 17.22"	-3.03'
286	558006.48	3595822.69	N30° 01' 50.34"	W90° 20' 16.40"	-3.58'
287	557945.03	3595904.12	N30° 01' 49.72"	W90° 20' 15.48"	-3.05'
288	557888.20	3595977.86	N30° 01' 49.15"	W90° 20' 14.64"	-2.87'
289	557828.77	3596055.66	N30° 01' 48.56"	W90° 20' 13.76"	-3.12'
290	557766.66	3596138.76	N30° 01' 47.94"	W90° 20' 12.83"	-2.94'
291	557696.25	3596229.65	N30° 01' 47.23"	W90° 20' 11.80"	-3.80'
292	557637.42	3596305.72	N30° 01' 46.64"	W90° 20' 10.94"	-3.65'
293	557575.97	3596387.14	N30° 01' 46.03"	W90° 20' 10.02"	-3.26'
294	557519.98	3596460.35	N30° 01' 45.47"	W90° 20' 09.19"	-3.28'
295	557462.77	3596535.56	N30° 01' 44.89"	W90° 20' 08.34"	-3.35'
296	557402.56	3596614.31	N30° 01' 44.29"	W90° 20' 07.45"	-3.18'
297	557349.24	3596684.11	N30° 01' 43.76"	W90° 20' 06.66"	-3.09'
298	557292.21	3596758.28	N30° 01' 43.19"	W90° 20' 05.82"	-3.17'
299	557226.69	3596843.63	N30° 01' 42.53"	W90° 20' 04.86"	-3.20'
300	557148.46	3596945.94	N30° 01' 41.75"	W90° 20' 03.70"	-3.12'
301	557083.29	3597029.87	N30° 01' 41.09"	W90° 20' 02.76"	-2.74'
302	557038.32	3597089.22	N30° 01' 40.64"	W90° 20' 02.09"	-3.15'
303	556956.55	3597195.77	N30° 01' 39.83"	W90° 20' 00.88"	-3.23'
304	556901.21	3597268.37	N30° 01' 39.27"	W90° 20' 00.06"	-3.30'
305	556842.51	3597345.44	N30° 01' 38.68"	W90° 19' 59.19"	-2.99'
306	556782.21	3597423.46	N30° 01' 38.08"	W90° 19' 58.31"	-3.63'
307	556723.22	3597500.79	N30° 01' 37.49"	W90° 19' 57.43"	-3.64'
308	556662.78	3597578.94	N30° 01' 36.88"	W90° 19' 56.55"	-3.90'
309	556605.43	3597654.00	N30° 01' 36.31"	W90° 19' 55.70"	-3.81'
310	556545.79	3597731.60	N30° 01' 35.71"	W90° 19' 54.83"	-4.12'
311	556479.41	3597818.47	N30° 01' 35.05"	W90° 19' 53.84"	-3.68'
312	556416.65	3597900.30	N30° 01' 34.42"	W90° 19' 52.92"	-5.17'

GULF SOUTH PIPELINE POINT TABLE					
Point #	Northing	Easting	Lat.	Long.	Elev
313	552579.19	3597251.82	N30° 00' 56.49"	W90° 20' 00.68"	-5.90'
314	552693.05	3597257.88	N30° 00' 57.62"	W90° 20' 00.60"	-6.82'
315	552791.66	3597263.70	N30° 00' 58.59"	W90° 20' 00.52"	-7.31'
316	552908.30	3597270.97	N30° 00' 59.75"	W90° 20' 00.43"	-7.39'
317	553011.77	3597277.28	N30° 01' 00.77"	W90° 20' 00.35"	-6.12'
318	553109.60	3597286.31	N30° 01' 01.74"	W90° 20' 00.23"	-6.05'
319	553216.19	3597296.61	N30° 01' 02.79"	W90° 20' 00.11"	-6.88'
320	553318.86	3597305.74	N30° 01' 03.81"	W90° 19' 59.99"	-6.02'
321	553427.39	3597316.42	N30° 01' 04.88"	W90° 19' 59.86"	-6.18'
322	553522.09	3597329.49	N30° 01' 05.82"	W90° 19' 59.70"	-6.44'
323	553629.10	3597341.80	N30° 01' 06.87"	W90° 19' 59.55"	-6.98'
324	553732.83	3597354.60	N30° 01' 07.90"	W90° 19' 59.39"	-5.46'
325	553840.19	3597370.36	N30° 01' 08.96"	W90° 19' 59.20"	-6.49'
326	553930.04	3597384.82	N30° 01' 09.85"	W90° 19' 59.03"	-6.78'
327	554016.46	3597398.84	N30° 01' 10.70"	W90° 19' 58.86"	-7.85'
328	554113.67	3597417.35	N30° 01' 11.66"	W90° 19' 58.64"	-7.68'
329	554201.06	3597432.10	N30° 01' 12.53"	W90° 19' 58.47"	-7.67'
330	554291.04	3597448.89	N30° 01' 13.42"	W90° 19' 58.27"	-7.69'
331	554378.46	3597466.94	N30° 01' 14.28"	W90° 19' 58.05"	-8.53'
332	554476.43	3597488.45	N30° 01' 15.25"	W90° 19' 57.80"	-7.69'
333	554570.35	3597509.45	N30° 01' 16.18"	W90° 19' 57.55"	-7.16'

GULF SOUTH PIPELINE POINT TABLE CONT					
Point #	Northing	Easting	Lat.	Long.	Elev
334	554659.02	3597532.29	N30° 01' 17.05"	W90° 19' 57.28"	-7.93'
335	554747.51	3597556.20	N30° 01' 17.93"	W90° 19' 57.00"	-6.36'
336	554832.50	3597580.80	N30° 01' 18.77"	W90° 19' 56.71"	-6.47'
337	554917.64	3597607.44	N30° 01' 19.61"	W90° 19' 56.40"	-7.32'
338	554997.24	3597633.58	N30° 01' 20.39"	W90° 19' 56.10"	-6.90'
339	555081.60	3597659.27	N30° 01' 21.23"	W90° 19' 55.79"	-6.65'
340	555166.20	3597685.08	N30° 01' 22.06"	W90° 19' 55.49"	-6.54'
341	555252.53	3597714.43	N30° 01' 22.91"	W90° 19' 55.15"	-6.08'
342	555344.71	3597746.72	N30° 01' 23.82"	W90° 19' 54.77"	-6.25'
343	555437.73	3597778.66	N30° 01' 24.74"	W90° 19' 54.40"	-6.55'
344	555528.39	3597813.27	N30° 01' 25.63"	W90° 19' 54.00"	-6.54'
345	555627.03	3597850.08	N30° 01' 26.61"	W90° 19' 53.57"	-5.99'
346	555703.31	3597879.15	N30° 01' 27.36"	W90° 19' 53.23"	-6.38'
347	555783.50	3597909.53	N30° 01' 28.15"	W90° 19' 52.88"	-7.40'
348	555864.73	3597940.54	N30° 01' 28.95"	W90° 19' 52.52"	-7.21'
349	555943.61	3597971.83	N30° 01' 29.73"	W90° 19' 52.15"	-7.03'
350	556022.52	3598005.00	N30° 01' 30.51"	W90° 19' 51.77"	-8.08'
351	556103.45	3598037.61	N30° 01' 31.31"	W90° 19' 51.39"	-7.58'
352	556193.18	3598073.23	N30° 01' 32.19"	W90° 19' 50.98"	-6.88'

MISCELLANEOUS OBJECTS						
Point #	Northing	Easting	Lat.	Long.	Elev	Discription
353	556252.34	3591895.81	N30° 01' 33.31"	W90° 21' 01.24"	0.19'	Tin





NOT TO SCALE

REV. NO: 00

REV. DATE: --/--

REV. BY: --

REVISION DESCRIPTION:

DRAWN BY: LDE

APPROVED BY: BJK

DATE: 07/18/2013

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DRAWING NAME: 2-MAG TARGETS.DWG

PROJECTION: LA 83-SF-MOD

GEO. DATUM: NAD83 | VERT. DATUM: NAVD88, Gd03

GRID UNITS: US SURVEY FEET

SHEET NO: 13 OF 13

PIPELINE POINT TABLE

PO-133 LABRANCH CENTRAL MARSH CREATION

MAGNETOMETER SURVEY

FOR

U.S.D.A.

NATURAL RESOURCES CONSERVATION SERVICE

ST. CHARLES PARISH, LOUISIANA