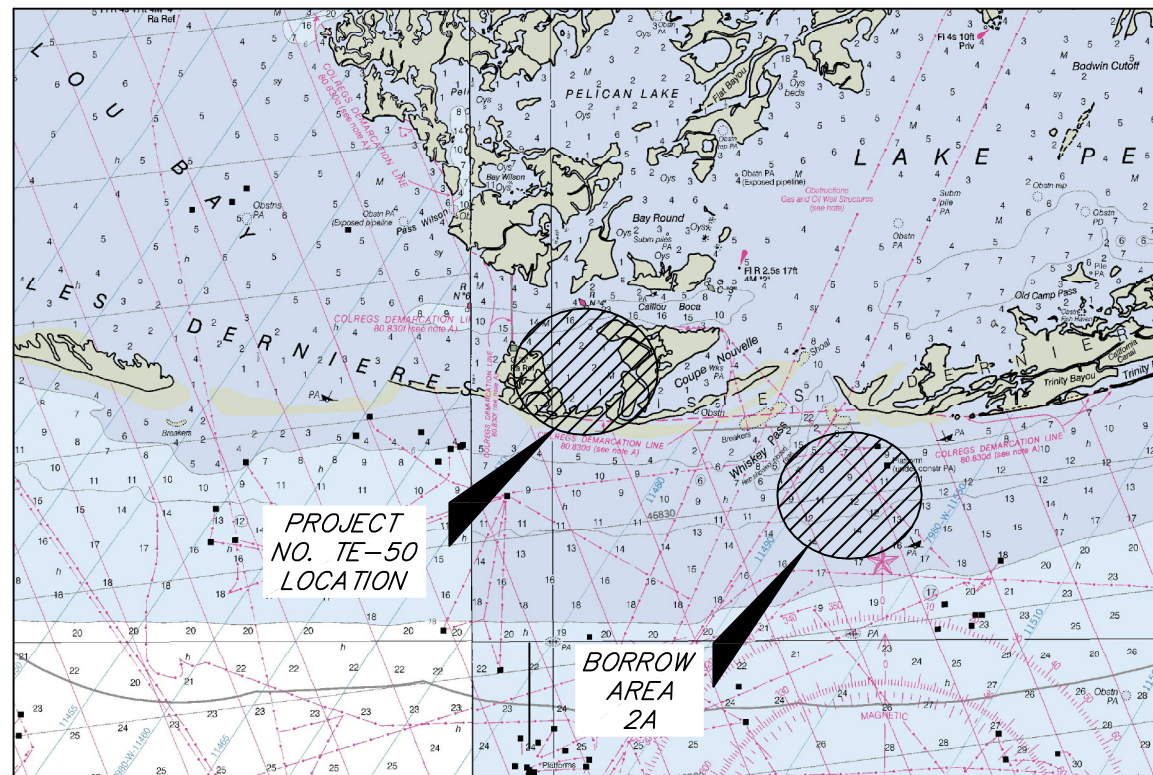


STATE OF LOUISIANA
DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION

BORROW AREA 2A BEFORE DREDGE MAGNETOMETER SURVEY DRAWINGS

WHISKEY ISLAND BACK BARRIER
MARSH CREATION (TE-50)



VICINITY MAP (N.T.S.)

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE PAGE
2	MAG. SURVEY



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

KEITH J. ROBERTS, PLS # 4780
1129 HUVAL LANE
BREUX BRIDGE, LA. 70517
(337) 454-6320

REVISED BY:

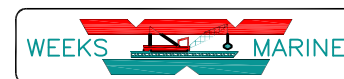
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HYDROTERRA
TECHNOLOGIES, LLC
LAND SURVEY AND HYDROGRAPHIC SOLUTIONS

PLAN SCALE
SCALE: NTS

NTS NTS NTS NTS



WEEKS **MARINE**

WHISKEY ISLAND BACK BARRIER
MARSH CREATION (TE-50)

BEFORE DREDGE MAGNETOMETER SURVEY

BORROW AREA 2A

TITLE PAGE

TERREBONNE PARISH, LA.

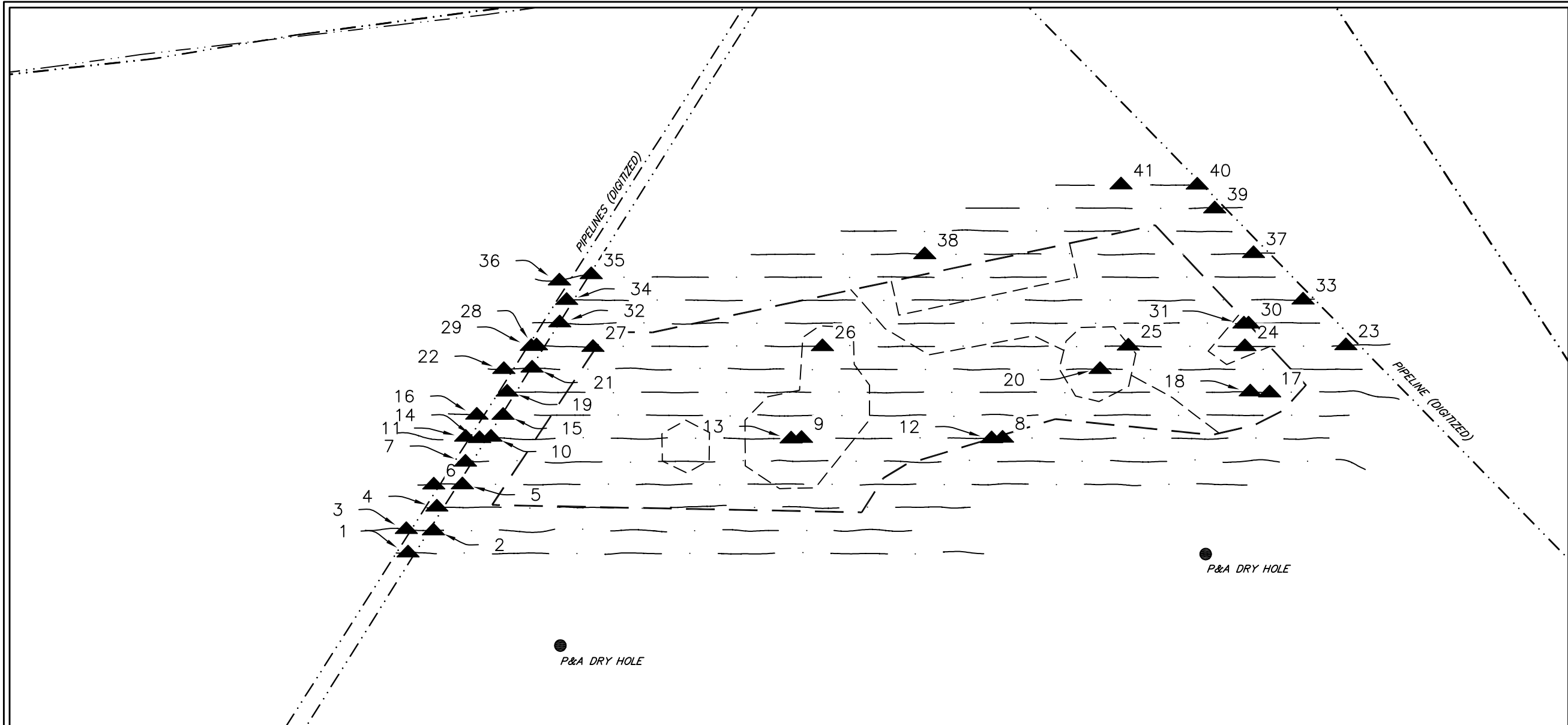
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - HYDROGRAPHIC DIVISION - 406 N. WILSON AVE. KAPLAN, LA. 70548

DATE: 04/01/09

JOB# 2091010

FILE: BORROW AREA BD.DWG

SHEET: 1 OF 2



LEGEND

DIGITIZED PIPELINE

BORROW AREA

MAG ROUTE

MAG ANOMALY

- NOTES
1. ALL HORIZONTAL COORDINATES ARE BASED ON LOUISIANA SOUTH ZONE - NAD83 HPGN DATUM, US FOOT, AND DERIVED FROM USCG BEACON CORRECTIONS USING STATION 293.0 (ENGLISH TURN) AND A COMBINATION OF GPS STATIC AND KINEMATIC OBSERVATIONS.

2. ALL ELEVATIONS ARE BASED ON NAVD 88 (GEIOD 99) FEET AND DERIVED FROM A COMBINATION OF GPS STATIC AND KINEMATIC OBSERVATIONS.

3. THIS DRAWING INDICATES GENERAL CONDITIONS AT THE TIME OF SURVEY.

4. SURVEY DATA ACQUISITION WAS PERFORMED MAR. 5TH, 2009. MAGNETIC DATA WAS COLLECTED USING A MARINE MAGNETICS "SEA SPY" MAGNETOMETER.

MAGNETIC ANOMALY TABLE											
Ref. No.	Easting	Northing	Amplitude	Type	Duration	Ref. No.	Easting	Northing	Amplitude	Type	Duration
1	3454620.4	189455.0	(629.2)	M	217.6	22	3455452.5	191047.7	684.0	M	146.6
2	3454840.4	189646.3	(374.3)	M	116.7	23	3462760.0	191255.0	156.6	D	219.3
3	3454606.2	189657.4	740.3	M	169.2	24	3461884.2	191246.0	7.1	D	61.2
4	3454870.4	189852.6	667.7	M	248.7	25	3460872.7	191251.9	30.7	D	70.0
5	3455092.6	190046.2	(344.7)	M	113.8	26	3458216.9	191245.7	(104.5)	M	84.3
6	3454844.9	190045.1	(864.1)	M	132.7	27	3456225.1	191240.4	(67.3)	M	50.7
7	3455119.3	190243.6	1024.1	M	265.7	28	3455735.2	191253.3	49.3	M	77.1
8	3459781.2	190451.9	(27.2)	M	77.8	29	3455690.9	191247.5	163.3	M	45.5
9	3458035.8	190450.4	340.5	D	114.5	30	3461915.0	191442.9	(57.7)	M	63.8
10	3455341.4	190459.1	(1398.8)	M	128.1	31	3461875.5	191443.7	(20.7)	M	42.4
11	3455120.9	190460.0	274.7	M	190.0	32	3455938.3	191452.5	508.6	M	201.1
12	3459685.5	190446.7	(22.9)	M	84.6	33	3462389.1	191652.0	106.1	M	149.1
13	3457945.4	190444.7	317.5	D	232.3	34	3455997.9	191647.6	368.4	M	146.5
14	3455241.7	190448.1	(1068.3)	M	200.0	35	3456210.9	191870.7	(253.6)	M	142.2
15	3455445.2	190649.1	221.8	C	361.3	36	3455935.0	191816.8	(480.4)	M	62.8
16	3455218.4	190650.8	314.7	M	216.8	37	3461959.2	192055.4	340.7	D	204.7
17	3462099.1	190844.7	(32.3)	M	133.5	38	3459105.8	192044.8	(8.6)	M	35.5
18	3461931.2	190852.5	(61.2)	M	88.6	39	3461622.3	192443.6	141.6	D	141.6
19	3455480.5	190851.0	(1096.3)	M	121.8	40	3461470.7	192650.2	32.7	M	30.9
20	3460627.4	191048.8	(191.8)	M	121.8	41	3460808.4	192651.6	4.4	M	41.4
21	3455697.0	191060.3	387.6	D	152.8						

REVISED BY:

DATE:

PLAN SCALE
SCALE: 1"=1000'

1000' 0' 500' 1000'

HYDROTERRA
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LAND SURVEY AND HYDROGRAPHIC SOLUTIONS

WEEKS
MARINE

WHISKEY ISLAND BACK BARRIER
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PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - HYDROGRAPHIC DIVISION - 406 N. WILSON AVE. KAPLAN, LA. 70548

DATE: 04/01/09

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FILE: FILL AREA BD.DWG

SHEET: 2 OF 2