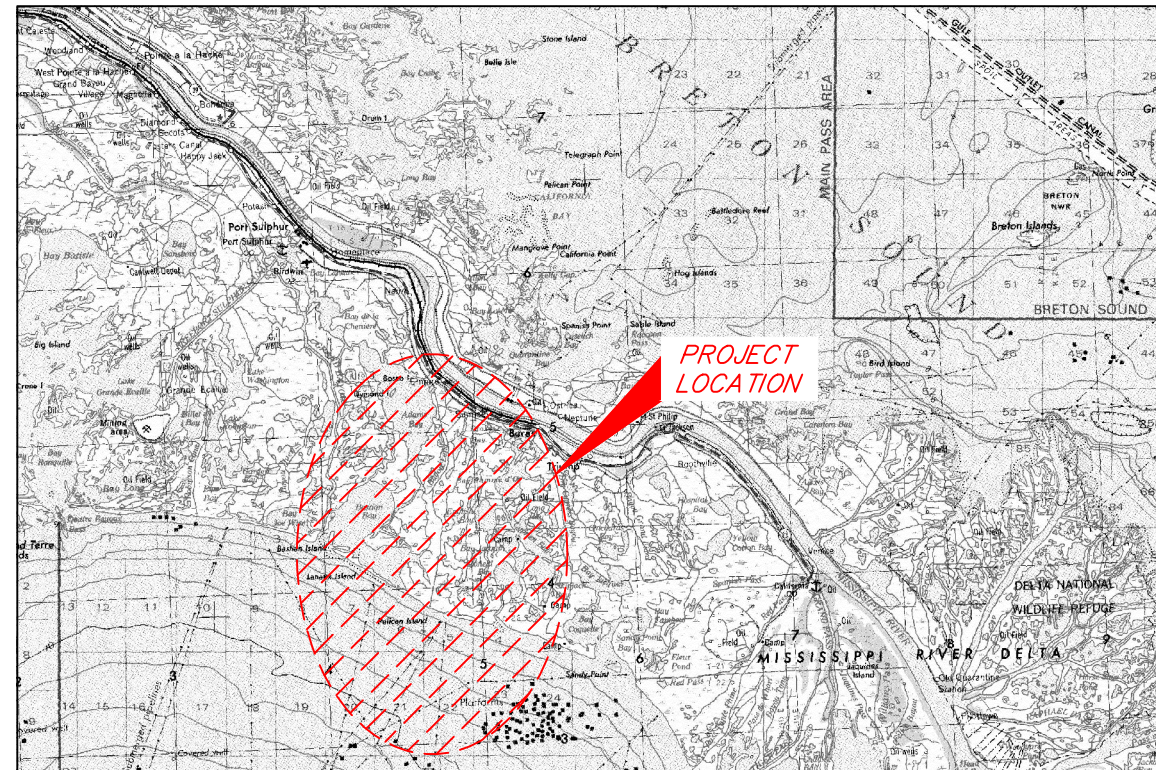


GREAT LAKES DREDGE AND DOCK COMPANY

RIVERINE SAND MINING/SCOFIELD ISLAND RESTORATION PROJECT (BA-40)

PRE-CONSTRUCTION MAGNETOMETER SURVEY OFFSHORE TRANSPORT AND BORROW AREA

PLAQUEMINES PARISH, LA



VICINITY MAP (N.T.S.)

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE PAGE
2	PLAN VIEW
3-4	DETAIL VIEWS
5	MAGNETIC ANOMALY TABLE



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

Keith J. Roberts

KEITH J. ROBERTS, PLS # 4780
202 JACOBS RUN
SCOTT, LA. 70583
(337) 719-8219

REVISED BY:	DATE:		RIVERINE SAND MINING/SCOFIELD ISLAND RESTORATION PROJECT (BA-40) PRE-CONSTRUCTION MAGNETOMETER SURVEY OFFSHORE TRANSPORT AND BORROW AREA TITLE PAGE PLAQUEMINES PARISH, LA
PLAN SCALE SCALE: NTS 			PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 202 JACOBS RUN, SCOTT, LA 70583
DATE: 08/01/12	JOB# 2121026		



1. ALL HORIZONTAL COORDINATES ARE BASED ON LOUISIANA SOUTH ZONE - NAD83 HPGN DATUM, US SURVEY FOOT AS DERIVED FROM PROJECT CONTROL VIA GPS KINEMATIC OBSERVATIONS.
2. MAGNETOMETER DATA WAS ACQUIRED USING A GEOMETRICS 882 MARINE MAGNETOMETER.
3. THIS DRAWING INDICATES GENERAL CONDITIONS AT THE TIME OF SURVEY.
4. SURVEY DATA ACQUISITION WAS PERFORMED JUNE 7, 2012.
5. PIPELINES DEPICTED IN THIS DRAWING, OTHER THAN THOSE VERIFIED, ARE FROM VARIOUS SOURCES: DEPT. OF NATURAL RESOURCES (DNR) SONRIS DATABASE, AND NATIONAL PIPELINE MAPPING SYSTEM (NPMS), AND OTHER SURVEY COMPANIES.

- — — PIPELINES FROM GENERAL GIS DATABASE (see NOTE 5)
- PIPELINE POSITION BY MAGNETOMETER
- WELLS FROM LDNR DATABASE
- — — — — MAGNETOMETER SURVEY LINE
- — — — — PIPELINES FROM USGS 1999 DATABASE
- — — — — PIPELINES FROM MMS 2007 DATABASE
- — — — — PIPELINES FROM LDNR DATABASE

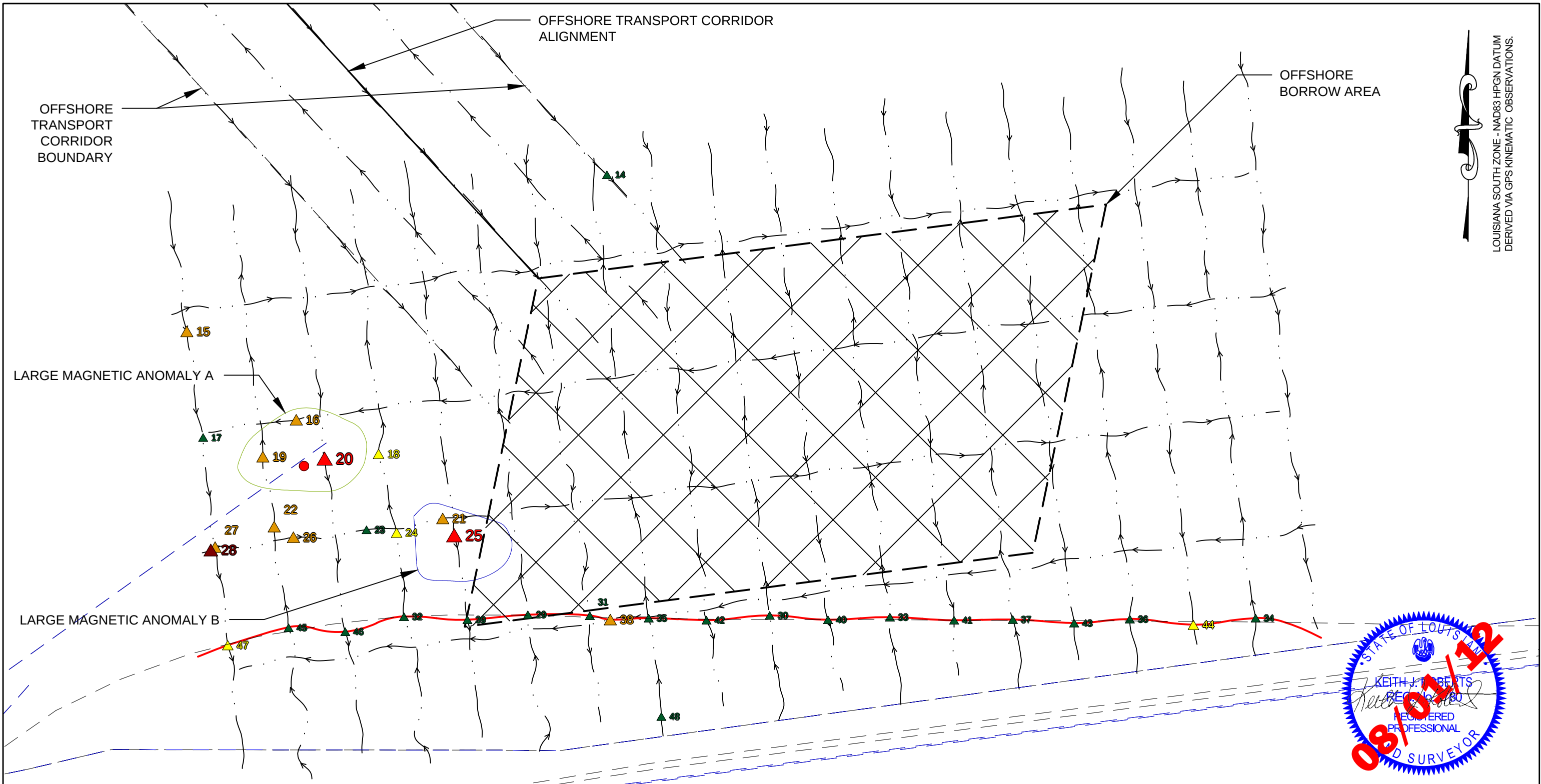
JOB# 2121026



FILE: BA-40_OBA_OCA_MAG_(07312012).DWG

PLAN VIEW
PLAQUEMINES PARISH, LOUISIANA

SHEET: 2 OF 5



LOUISIANA SOUTH ZONE - NAD83 HPGN DATUM
DERIVED VIA GPS KINEMATIC OBSERVATIONS.

NOTES:

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LEGEND

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- MAGNETOMETER SURVEY LINE
- PIPELINES FROM USGS 1999 DATABASE
- PIPELINES FROM MMS 2007 DATABASE
- PIPELINES FROM LDNR DATABASE

REVISED BY:

DATE:

HORIZONTAL SCALE

400' 0' 200' 400'

DATE: 08/01/12

JOB# 2121026

HYDROTERRA
TECHNOLOGIES, LLC
LAND SURVEY AND HYDROGRAPHIC SOLUTIONS

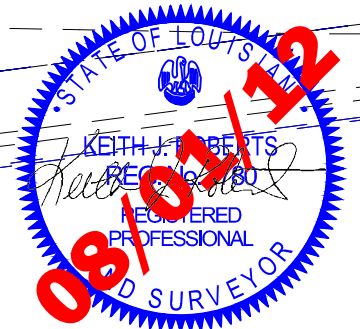
CURRENT LAYERS
IMPROVEMENTS

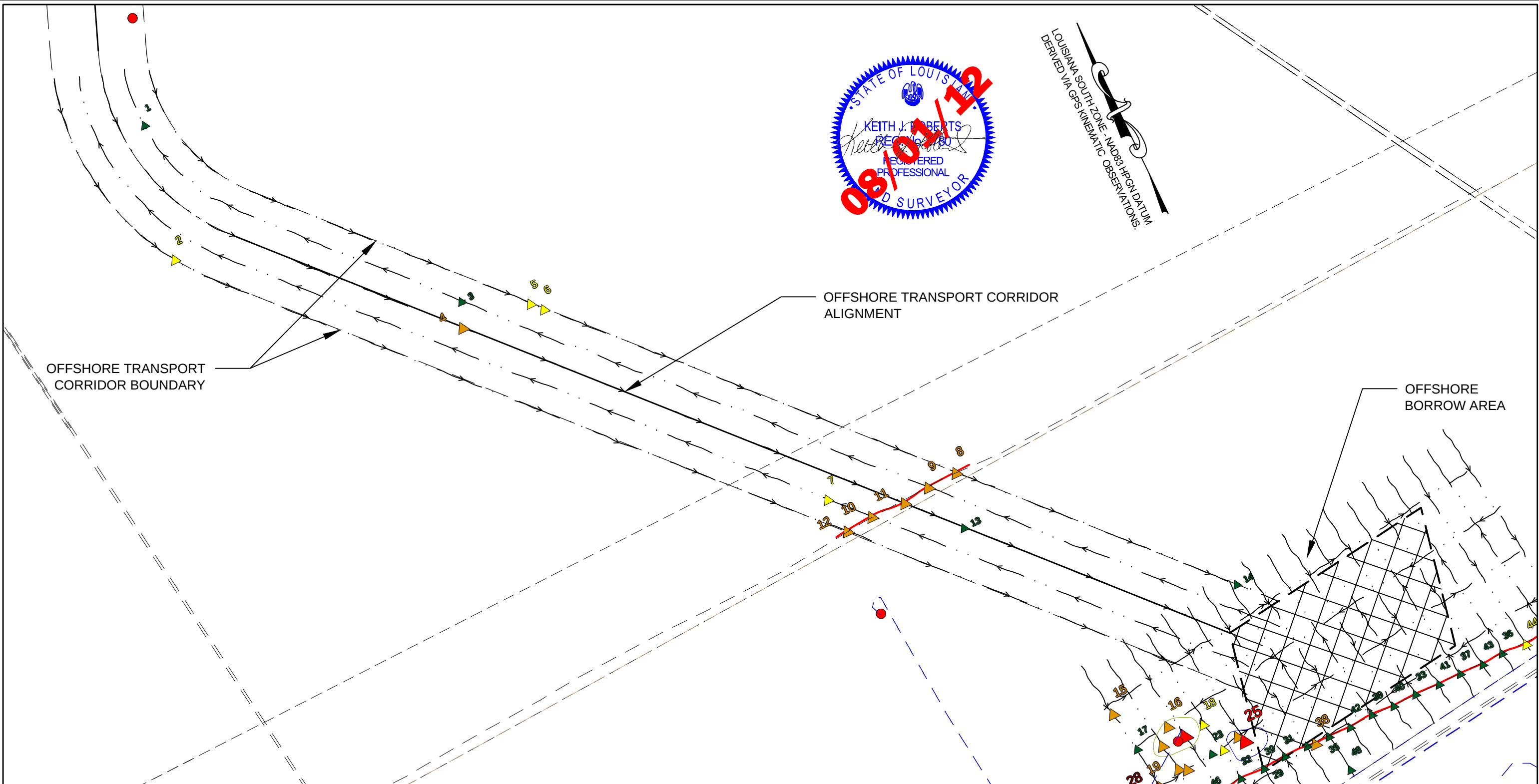
PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 202 JACOBS RUN, SCOTT, LA 70583

FILE: BA-40_OBA_OCA_MAG_(07312012).DWG

RIVERINE SAND MINING
SCOFIELD ISLAND RESTORATION PROJECT
PRE-CONSTRUCTION MAGNETOMETER SURVEY
OFFSHORE TRANSPORT AND BORROW AREA
DETAIL VIEW
PLAQUEMINES PARISH, LOUISIANA

SHEET: 3 OF 5





NOTES:

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LEGEND	
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	PIPELINE POSITION BY MAGNETOMETER
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	MAGNETOMETER SURVEY LINE
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	PIPELINES FROM LDNR DATABASE

REVISED BY:	DATE:
HORIZONTAL SCALE	
DATE: 08/01/12	JOB# 2121026

HYDROTERRA
TECHNOLOGIES, LLC
LAND SURVEY AND HYDROGRAPHIC SOLUTIONS

CURRENT LAKES
IMPROVEMENTS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 202 JACOBS RUN, SCOTT, LA 70583

FILE: BA-40_OBA_OCA_MAG_(07312012).DWG

RIVERINE SAND MINING
SCOFIELD ISLAND RESTORATION PROJECT
PRE-CONSTRUCTION MAGNETOMETER SURVEY
OFFSHORE TRANSPORT AND BORROW AREA
DETAIL VIEW
PLAQUEMINES PARISH, LOUISIANA

SHEET: 4 OF 5

Ref	Line	Easting	Northing	Signature Amplitude	Signature Width	Signature Type	Description
1	4	3848335	270394	27	71	Dipole	
2	3	3848010	268995	73	144	Dipole	
3	4	3850510	267300	36	143	Dipole	
4	5	3850401	267051	140	234	Dipole	
5	1	3851147	266966	61	182	Dipole	
6	1	3851247	266854	52	97	Dipole	
7	2	3853048	263777	64	159	Dipole	
8	1	3854371	263449	410	303	Dipole	Pipeline?
9	4	3854046	263437	268	609	Dipole	Pipeline?
10	2	3853381	263418	402	402	Dipole	Pipeline?
11	5	3853753	263398	237	467	Dipole	Pipeline?
12	3	3853085	263393	317	256	Dipole	Pipeline?
13	5	3854199	262892	29	128	Dipole	
14	1	3856502	261123	45	205	Dipole	
15	22	3854752	260470	130	138	Dipole	
16	2	3855208	260102	212	1480	Monopole	Large debris A
17	22	3854820	260028	15	96	Dipole	
18	6	3855551	259960	66	715	Monopole	Large debris A
19	23	3855069	259948	220	475	Monopole	Large debris A
20	5	3855326	259940	1389	771	Monopole	Large debris A
21	3	3855818	259691	284	805	Monopole	
22	23	3855116	259657	366	356	Dipole	
23	3	3855501	259644	24	177	Monopole	
24	6	3855626	259632	65	847	Monopole	Large debris B

Ref	Line	Easting	Northing	Signature Amplitude	Signature Width	Signature Type	Description
25	7	3855866	259621	1198	1519	Dipole	Large debris B
26	3	3855196	259613	102	376	Dipole	
27	22	3854870	259572	368	443	Dipole	
28	3	3854852	259560	556	146	Dipole	Large debris B
29	8	3856173	259290	44	227	Monopole	
30	12	3857180	259287	42	175	Monopole	
31	9	3856431	259286	14	133	Monopole	
32	6	3855657	259282	28	108	Monopole	
33	14	3857681	259280	16	156	Monopole	
34	21	3859204	259276	19	120	Monopole	
35	10	3856676	259276	17	99	Dipole	
36	18	3858680	259272	25	225	Dipole	
37	16	3858193	259270	15	86	Dipole	
38	4	3856516	259270	102	1001	Complex	
39	7	3855921	259269	17	185	Dipole	
40	13	3857423	259269	39	154	Dipole	
41	15	3857948	259267	20	97	Monopole	
42	11	3856917	259267	29	246	Dipole	
43	17	3858448	259255	25	109	Monopole	
44	19	3858945	259248	83	146	Dipole	
45	23	3855176	259236	10	137	Monopole	
46	5	3855412	259219	50	345	Dipole	
47	22	3854923	259163	74	113	Monopole	
48	10	3856729	258866	8	77	Dipole	



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PLAN SCALE SCALE: NTS 			PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 202 JACOBS RUN, SCOTT, LA 70583
DATE: 08/01/12	JOB# 2121026		