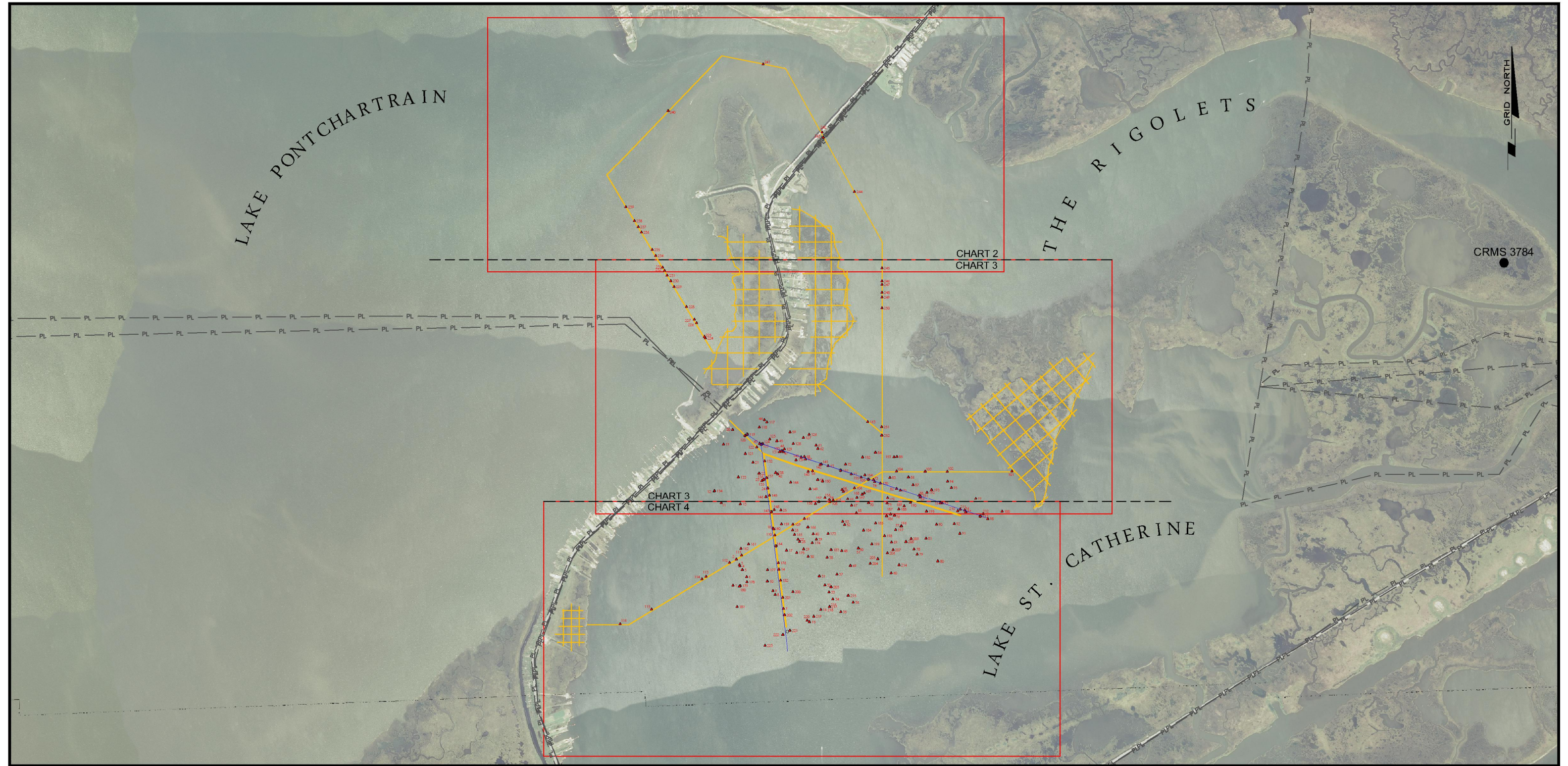




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CHUSTZ SURVEYING INC

NEW ORLEANS LAND BRIDGE SHORELINE STABILIZATION
CREATION PROJECT (PO-169) MAGNOMETER SURVEY
ORLEANS PARISH, LOUISIANA

JOHN CHANCE
LAND SURVEYS, INC.



GEODETIC DATUM: NAD83
PROJECTION: LOUISIANA SOUTH
GRID UNITS: US SURVEY FEET

SCALE
IN FEET 0 3,000'

Proj. Mgr.: RHC
Revised:
Printed: 10/13/16

Job No.: 16-0159 Date: 9/27/16
Dwgfile: L:\2016\160159\CAD\E160159_COVER

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Chart: Of:
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LAKE PONTCHARTRAIN

THE RIGOLETS

GRID NORTH

CHART 2
CHART 3

LEGEND:

- TRACKLINES
— PL — EXISTING PIPELINES
— POSSIBLE PIPELINES
▲ 57 MAGNETIC ANOMALY ID #
○ PROBE LOCATION

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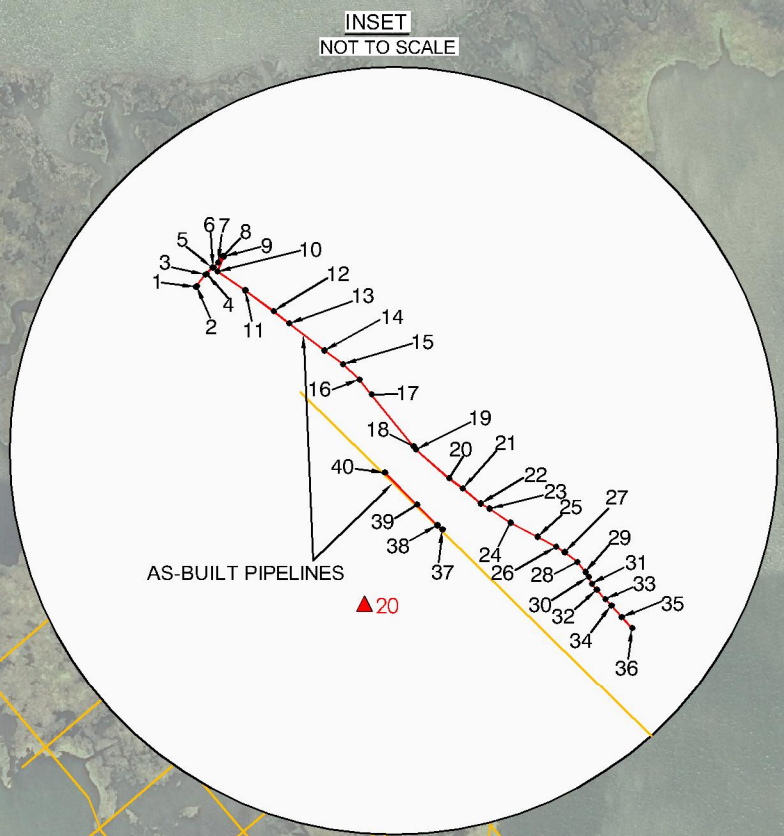
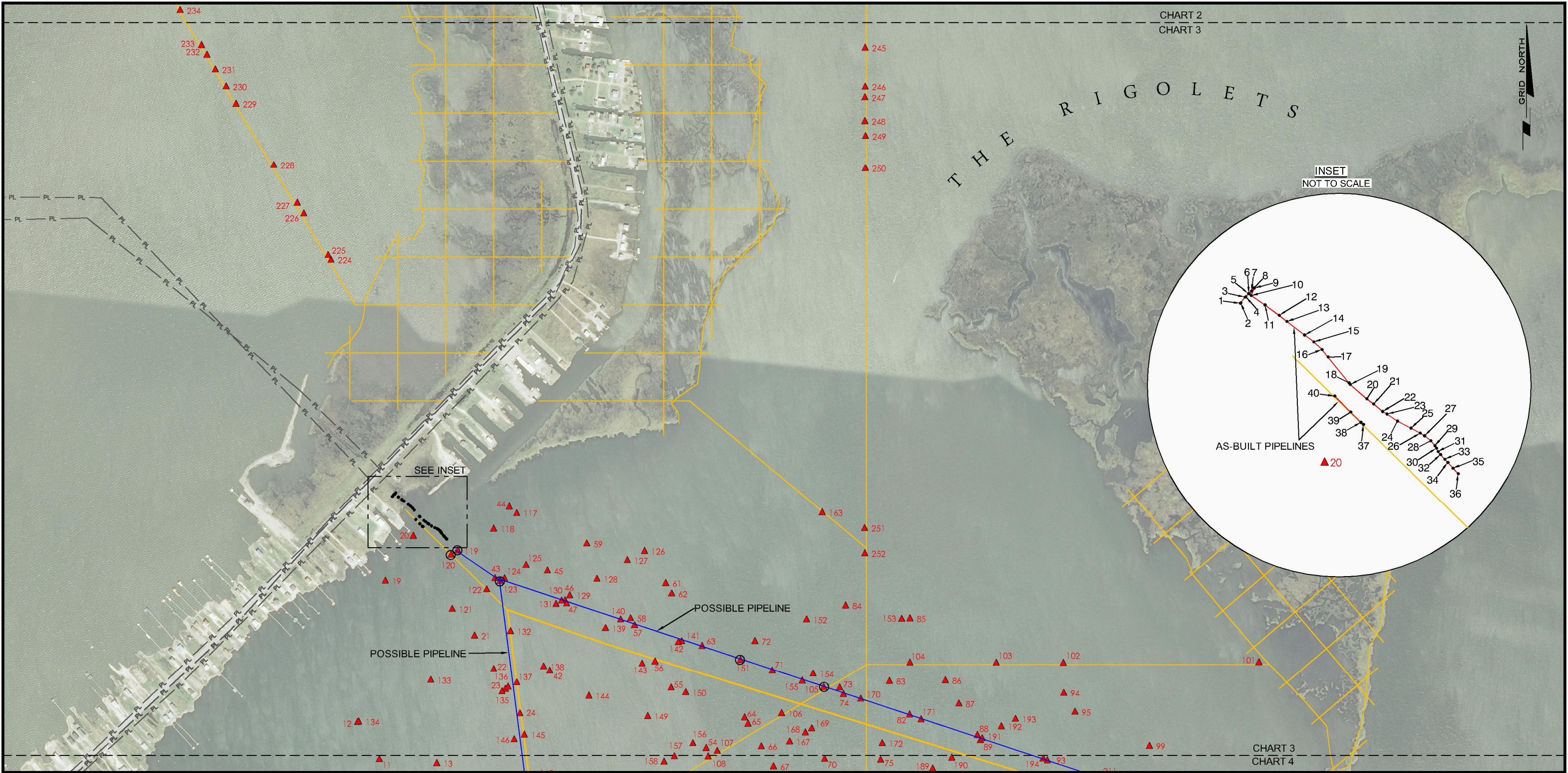
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LEGEND:

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TOPO TIES							
TIE	X COORDINATE	Y COORDINATE	DESCRIPTION	TIE	X COORDINATE	Y COORDINATE	DESCRIPTION
1	3,782,952.08'	602,055.28'	WELL AS DRILLED	15	3,783,143.46'	601,954.55'	EXPOSED
2	3,782,953.24'	602,056.17'	ABANDONED PL OPEN ENDED	16	3,783,164.70'	601,934.57'	EXPOSED
3	3,782,964.28'	602,071.17'	ABANDONED PL OPEN ENDED	17	3,783,180.64'	601,914.88'	EXPOSED
4	3,782,966.09'	602,072.00'	ABANDONED PL OPEN ENDED	18	3,783,235.37'	601,847.30'	EXPOSED
5	3,782,973.06'	602,080.28'	ABANDONED	19	3,783,238.54'	601,843.38'	5.0' WTR./1.0' COV.
6	3,782,974.81'	602,080.22'	PL TEE ABOVE GROUND	20	3,783,281.56'	601,805.89'	5.0' WTR./1.5' COV.
7	3,782,980.85'	602,086.76'	EXPOSED	21	3,783,299.39'	601,792.48'	6.0' WTR./2.0' COV.
8	3,782,986.95'	602,095.05'	ABANDONED PL OPEN ENDED	22	3,783,322.73'	601,773.10'	6.0' WTR./3.0' COV.
9	3,782,988.34'	602,094.68'	BLIND FLANGE	23	3,783,334.08'	601,766.38'	7.0' WTR./2.5' COV.
10	3,782,980.29'	602,075.05'	RISER	24	3,783,361.38'	601,748.02'	7.0' WTR./3.0' COV.
11	3,783,016.23'	602,050.63'	EXPOSED	25	3,783,396.71'	601,729.62'	7.0' WTR./3.5' COV.
12	3,783,053.13'	602,023.46'	EXPOSED	26	3,783,420.92'	601,716.71'	7.0' WTR./3.5' COV.
13	3,783,073.57'	602,007.48'	EXPOSED	27	3,783,432.20'	601,709.71'	7.0' WTR./3.0' COV.
14	3,783,119.29'	601,972.23'	EXPOSED	28	3,783,448.66'	601,697.01'	7.0' WTR./2.0' COV.
29	3,783,458.95'	601,683.79'	7.0' WTR./2.0' COV.	30	3,783,463.13'	601,677.38'	7.0' WTR./5.0' COV.
31	3,783,467.26'	601,668.76'	7.0' WTR./6.0' COV.	32	3,783,473.83'	601,660.91'	7.0' WTR./5.5' COV.
33	3,783,484.96'	601,648.63'	7.0' WTR./6.5' COV.	34	3,783,492.88'	601,640.42'	7.0' WTR./7.0' COV.
35	3,783,506.24'	601,625.39'	7.0' WTR./8.5' COV.	36	3,783,520.02'	601,610.77'	7.0' WTR./10.0' COV.
37	3,783,272.94'	601,739.40'	6.0' WTR./8.5' COV.	38	3,783,266.31'	601,744.73'	6.0' WTR./8.5' COV.
39	3,783,239.70'	601,771.46'	5.0' WTR./8.0' COV.	40	3,783,197.98'	601,813.42'	5.0' WTR./7.0' COV.

Proj. Mgr.: RHC
Revised:
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CHUSTZ SURVEYING INC

NEW ORLEANS LAND BRIDGE SHORELINE STABILIZATION
CREATION PROJECT (PO-169) MAGNOMETER SURVEY

ORLEANS PARISH, LOUISIANA

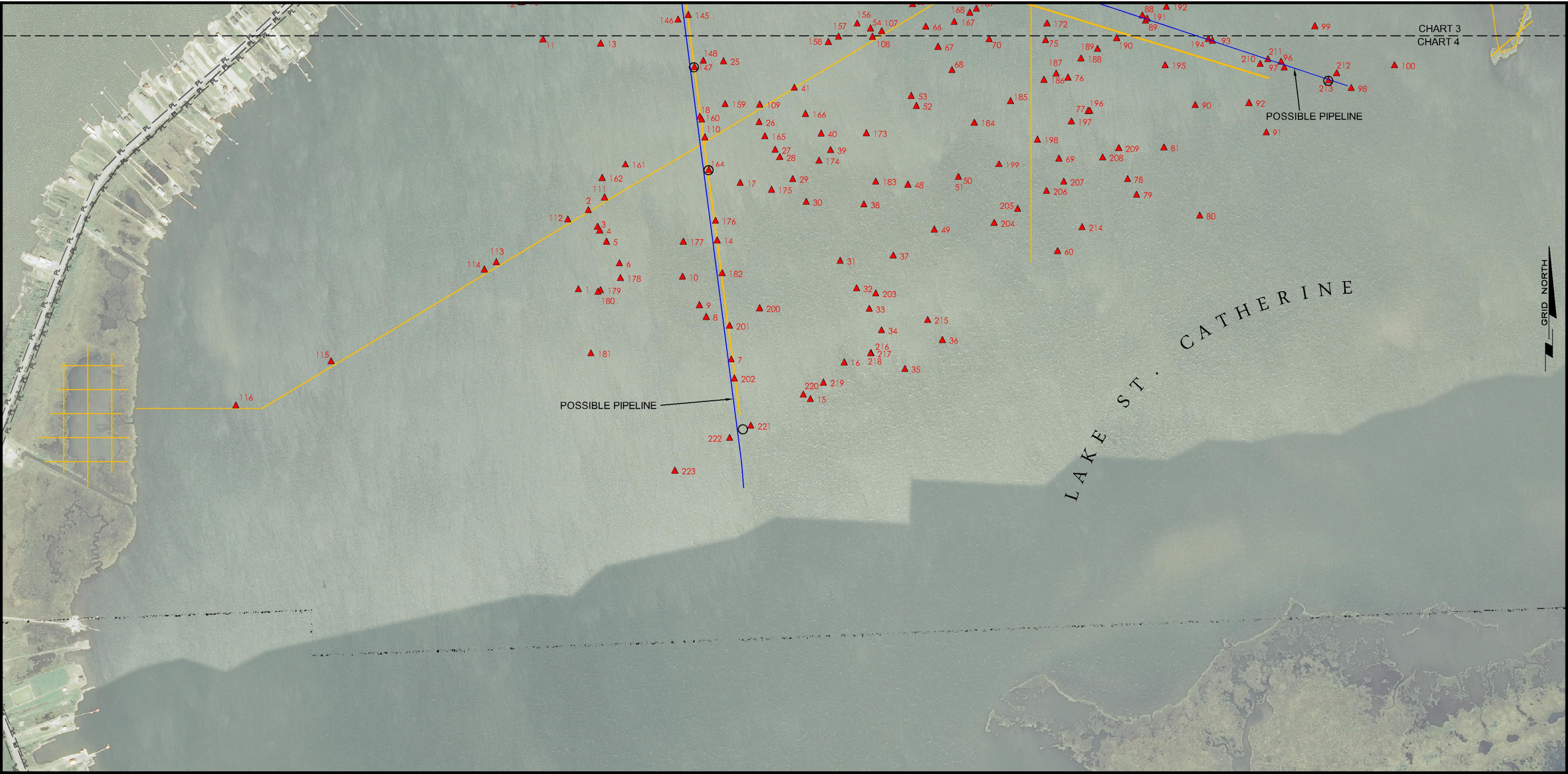
JOHN CHANCE
LAND SURVEYS, INC.

GEODETIC DATUM: NAD83
PROJECTION: LOUISIANA SOUTH
GRID UNITS: US SURVEY FEET

SCALE
IN FEET
0 1,000'

Job No.: 16-0159
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- LEGEND:**
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CREATION PROJECT (PO-169) MAGNOMETER SURVEY**

ORLEANS PARISH, LOUISIANA

JOHN CHANCE
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UNIDENTIFIED MAGNETIC ANOMALIES

ANOMALY NUMBER	LINE NUMBER	SHOT PT. NUMBER	X COORDINATE	Y COORDINATE	AMPLITUDE (GAMMAS)	DURATION (FEET)	SIGNATURE	ANOMALY NUMBER	LINE NUMBER	SHOT PT. NUMBER	X COORDINATE	Y COORDINATE	AMPLITUDE (GAMMAS)	DURATION (FEET)	SIGNATURE	ANOMALY NUMBER	LINE NUMBER	SHOT PT. NUMBER	X COORDINATE	Y COORDINATE	AMPLITUDE (GAMMAS)	DURATION (FEET)	SIGNATURE
1	10	7738.6	3,783,186.13'	596,715.77'	781	24	MONOPOLE	85	23	580.8	3,788,349.48'	600,782.25'	32	32	DIPOLE	169	40	2786.4	3,787,323.85'	599,634.24'	103	59	MONOPOLE
2	11	7814.2	3,783,288.46'	597,537.60'	3	37	MONOPOLE	86	23	610.6	3,788,718.15'	600,136.43'	12	57	DIPOLE	170	40	2810.4	3,787,835.41'	599,945.47'	198	262	MONOPOLE
3	11	7822.1	3,783,384.17'	597,365.20'	7	37	DIPOLE	87	23	621.9	3,788,859.73'	599,893.84'	18	55	DIPOLE	171	41	0.0	3,788,407.27'	599,703.36'	187	80	MONOPOLE
4	11	7824.0	3,783,407.02'	597,325.53'	5	26	MONOPOLE	88	23	0.0	3,789,083.04'	599,510.62'	156	64	MONOPOLE	172	41	2356.1	3,788,059.61'	599,481.86'	5	117	DIPOLE
5	11	7829.4	3,783,478.13'	597,209.38'	7	58	MONOPOLE	89	23	0.0	3,789,114.31'	599,455.47'	21	66	MONOPOLE	173	41	2444.0	3,786,182.12'	598,343.07'	8	58	MONOPOLE
6	11	7839.9	3,783,612.59'	596,984.99'	23	132	COMPLEX	90	23	680.3	3,789,600.82'	598,635.71'	102	27	MONOPOLE	174	41	2466.9	3,785,687.43'	598,057.62'	44	162	MONOPOLE
7	12	7994.5	3,784,773.92'	595,983.88'	118	258	COMPLEX	91	24	732.4	3,790,339.94'	598,352.31'	82	46	MONOPOLE	175	41	2490.0	3,785,194.40'	597,750.26'	537	49	DIPOLE
8	12	8015.0	3,784,516.20'	596,426.86'	5	54	MONOPOLE	92	24	746.5	3,790,161.96'	598,656.61'	61	43	MONOPOLE	176	41	0.0	3,784,567.56'	597,381.10'	220	190	MONOPOLE
9	12	8020.6	3,784,444.70'	596,549.78'	24	63	DIPOLE	93	24	0.0	3,789,750.35'	599,359.12'	151	203	DIPOLE	177	41	2532.6	3,784,277.08'	597,209.40'	5	51	MONOPOLE
10	12	8034.4	3,784,267.90'	596,843.90'	5	50	MONOPOLE	94	25	829.7	3,789,952.85'	600,005.35'	134	36	DIPOLE	178	41	2562.9	3,783,623.35'	596,831.20'	42	94	DIPOLE
11	12	8149.0	3,782,817.54'	599,314.37'	506	71	DIPOLE	95	25	839.0	3,790,069.14'	599,807.23'	13	36	DIPOLE	179	41	2572.6	3,783,416.14'	596,704.80'	20	16	MONOPOLE
12	12	8166.9	3,782,590.77'	599,701.16'	19	81	DIPOLE	96	25	0.0	3,790,524.99'	599,029.11'	118	107	DIPOLE	180	41	2573.9	3,783,388.72'	596,687.86'	20	57	DIPOLE
13	13	8252.7	3,783,417.47'	599,273.50'	4	58	DIPOLE	97	25	0.0	3,790,560.40'	598,969.41'	30	148	MONOPOLE	181	42	0.0	3,783,315.43'	596,047.76'	69	79	MONOPOLE
14	13	8348.0	3,784,629.92'	597,222.81'	189	382	COMPLEX	98	26	0.0	3,791,189.43'	598,865.68'	235	118	DIPOLE	182	42	2046.2	3,784,680.23'	596,881.45'	69	172	COMPLEX
15	13	8424.5	3,785,598.02'	595,572.28'	48	50	DIPOLE	99	26	947.4	3,790,845.46'	599,453.57'	113	21	MONOPOLE	183	42	2120.7	3,786,278.29'	597,835.85'	128	23	MONOPOLE
16	14	8464.9	3,785,950.41'	595,953.46'	424	60	DIPOLE	100	27	958.4	3,791,674.68'	599,048.45'	57	20	MONOPOLE	184	42	2168.6	3,787,303.06'	598,452.27'	1185	117	MONOPOLE
17	14	8551.3	3,784,869.18'	597,821.65'	64	61	DIPOLE	101	3	7044.4	3,791,985.98'	600,325.63'	23	61	COMPLEX	185	42	2186.2	3,787,681.21'	598,676.66'	130	61	MONOPOLE
18	14	8583.7	3,784,447.71'	598,514.44'	778	323	COMPLEX	102	3	7126.0	3,789,947.74'	600,319.89'	25	62	COMPLEX	186	42	2202.6	3,788,028.67'	598,896.01'	182	110	DIPOLE
19	14	8707.2	3,782,880.35'	601,174.07'	13	74	COMPLEX	103	3	7153.9	3,789,249.06'	600,320.22'	122	65	COMPLEX	187	42	2208.2	3,788,153.84'	598,960.80'	16	52	MONOPOLE
20	15	8713.8	3,783,171.42'	601,639.16'	252	86	DIPOLE	104	3	7190.0	3,788,347.51'	600,322.61'	66	23	COMPLEX	188	42	2220.3	3,788,412.53'	599,117.13'	10	62	MONOPOLE
21	15	8762.5	3,783,810.63'	600,602.06'	5	46	DIPOLE	105	3	7228.6	3,787,449.98'	600,063.68'	146	126	DIPOLE	189	42	2228.3	3,788,585.22'	599,217.88'	5	152	COMPLEX
22	15	8778.5	3,784,008.58'	600,254.63'	9	42	MONOPOLE	106	3	7249.3	3,787,010.54'	599,792.93'	696	50	DIPOLE	190	42	2237.5	3,788,785.44'	599,329.50'	7	62	MONOPOLE
23	15	8788.1	3,784,131.38'	600,046.26'	15	153	MONOPOLE	107	3	7280.3	3,786,339.90'	599,401.56'	11	125	COMPLEX	191	42	2252.5	3,789,102.30'	599,531.08'	154	87	MONOPOLE
24	15	8800.0	3,784,281.81'	599,791.54'	120	241	COMPLEX	108	3	7284.8	3,786,245.35'	599,342.56'	11	30	MONOPOLE	192	42	0.0	3,789,359.16'	599,680.96'	98	10	DIPOLE
25	15	8832.5	3,784,695.76'	599,090.40'	136	28	MONOPOLE	109	3	7339.5	3,785,073.19'	598,640.28'	41	44	MONOPOLE	193	42	2268.6	3,789,447.93'	599,734.84'	5	61	DIPOLE
26	15	8861.9	3,785,065.83'	598,457.23'	834	51	DIPOLE	110	3	7366.1	3,784,502.37'	598,299.62'	101	82	MONOPOLE	194	43	1693.5	3,789,736.53'	599,321.48'	74	160	DIPOLE
27	15	8875.1	3,785,231.48'	598,170.55'	13	34	MONOPOLE	111	3	7414.8	3,783,457.34'	597,670.11'	193	26	MONOPOLE	195	43	1714.4	3,789,288.43'	599,049.12'	188	194	MONOPOLE
28	15	8878.8	3,785,280.39'	598,094.44'	19	39	MONOPOLE	112	3	7432.7	3,783,075.38'	597,440.50'	3	16	MONOPOLE	196	43	1751.1	3,788,503.07'	598,574.53'	46	47	MONOPOLE
29	15	8889.5	3,785,415.88'	597,862.05'	36	68	DIPOLE	113	3	7467.2	3,782,333.05'	596,996.21'	5	33	MONOPOLE	197	43	1759.9	3,788,312.96'	598,465.12'	15	225	MONOPOLE
30	15	8900.5	3,785,555.72'	597,624.30'	22	58	MONOPOLE	114	3	7473.0	3,782,207.76'	596,920.03'	12	37	MONOPOLE	198	43	1775.9	3,787,961.11'	598,276.15'	126	109	COMPLEX
31	15	8928.8	3,785,908.79'	597,011.32'	327	29	MONOPOLE	115	3	7547.5	3,780,613.91'	595,964.44'	9	30	MONOPOLE	199	43	1795.0	3,787,559.86'	598,017.27'	28	59	MONOPOLE
32	15	8942.2	3,786,079.14'	596,724.36'	5	58	DIPOLE	116	3	7592.1	3,779,622.19'	595,505.23'	14	32	MONOPOLE	200	43	1911.3	3,785,070.00'	596,516.70'	5	59	MONOPOLE
33	15	8952.2	3,786,210.87'	596,510.91'	7	60	MONOPOLE	117	33	4048.5	3,784,249.62'	601,877.85'	20	38	DIPOLE	201	43	1925.7	3,784,757.22'	596,333.81'	25	169	DIPOLE
34	15	8962.5	3,786,337.76'	596,288.13'	32	60	MONOPOLE	118	33	0.0	3,783,955.19'	601,682.73'	48	56	MONOPOLE	202	44	1370.8	3,784,808.59'	595,786.46'	37	97	MONOPOLE
35	15	8981.2	3,786,580.85'	595,885.66'	7	90	COMPLEX	119	33	0.0	3,783,582.25'	601,453.36'	201	79	MONOPOLE	203	44	1439.4	3,786,278.64'	596,670.81'	35	46	MONOPOLE
36	16	8998.6	3,786,972.27'	596,186.65'	50	47	MONOPOLE	120	33	0.0	3,783,505.21'	601,424.31'	179	49	MONOPOLE	204	44	1496.8	3,787,509.64'	597,404.17'	9	38	MONOPOLE
37	16	9039.2	3,786,460.05'	597,063.99'	143	68	DIPOLE	121	34	3965.0	3,783,577.14'	600,881.10'	18	33	MONOPOLE	205	44	1508.1	3,787,754.63'	597,552.03'	22343	43	MONOPOLE
38	16	9063.8	3,786,155.04'	597,597.54'	28	59	DIPOLE	122	34	0.0	3,783,991.05'	601,118.51'	42	34	DIPOLE	206	44	1522.3	3,788,054.83'	597,737.75'	69	89	COMPLEX
39	16	9090.5	3,785,809.46'	598,167.90'	17	46	MONOPOLE	123	34	0.0	3,784,131.68'	601,205.06'	51	78	MONOPOLE	207	44	1530.4	3,788,233.15'	597,835.03'	70	29	MONOPOLE
40	16	9098.4	3,785,710.99'	598,340.13'	15	26	MONOPOLE	124	34	0.0	3,784,175.66'	601,233.14'	28	66	MONOPOLE	208	44	1549.7	3,788,639.02'	598,092.42'	5	45	MONOPOLE
41	16	9120.4	3,785,431.58'	598,814.45'	9	27	DIPOLE	125	34	4000.7	3,784,347.17'	601,337.40'	13	32	MONOPOLE	209	44	1557.3	3,788,806.12'	598,187.10'	343	47	DIPOLE
42	16	9186.6	3,784,593.37'	600,237.67'	26	59	MONOPOLE	126	35	3766.4	3,785,581.50'	601,482.62'	23	58	MONOPOLE	210	44	0.0	3,790,332.02'	599,093.39'	9	84	MONOPOLE
43	16	9231.3	3,784,023.50'	601,200.33'	170	539	COMPLEX	127	35	3774.6	3,785,402.02'	601,386.25'	45	58	MONOPOLE	211	44	1629.5	3,790,356.49'	599,111.57'	402	83	MONOPOLE
44	17	9274.1	3,784,172.15'	601,945.96'	198	58	MONOPOLE	128	35	3789.5	3,785,085.77'	601,193.57'	9	58	MONOPOLE	212	45	0.0	3,791,026.96'	598,919.86'	30	61	MONOPOLE
45	17	0.0	3,784,601.20'	601,227.89'	8	40	MONOPOLE	129	35	0.0	3,784,748.17'	600,990.88'	11	57	MONOPOLE	213	45	0.0	3,790,929.16'	598,865.08'	311	65	MONOPOLE
46	17	0.0	3,784,780.81'	600,913.27'	220	59	MONOPOLE	130	35	3806.8	3,784,715.14'	600,967.21'	47	69	DIPOLE	214	45	1112.2	3,788,424.76'	597,361.80'	438	27	DIPOLE
47	17	0.0	3,784,797.08'	600,882.14'	367	58	MONOPOLE	131	35	0.0	3,784,601.29'	600,904.98'	11	82	MONOPOLE	215	45	1187.2	3,786,819.08'	596,395.45'	282	47	DIPOLE
48	17	9466.4	3,786,613.24'	597,802.91'	11	89	COMPLEX	132	35	3831.5	3,784,184.30'	600,649.32'	238	105	MONOPOLE	216	45	1214.5	3,786,229.59'	596,050.38'	11	61	COMPLEX
49	17	9488.1	3,786,888.75'	597,337.01'	9	72	MONOPOLE	133	35	3870.5	3,783,351.81'	600,140.51'	654	60	DIPOLE	217	45	1214.7	3,786,225.22'	596,047.68'	11	61	COMPLEX
50	18	9603.1	3,787,138.42'	597,883.84'	8	63	MONOPOLE	134	35	3905.2	3,782,603.21'	599,706.61'	11	34	MONOPOLE	218	45	1214.7	3,78				