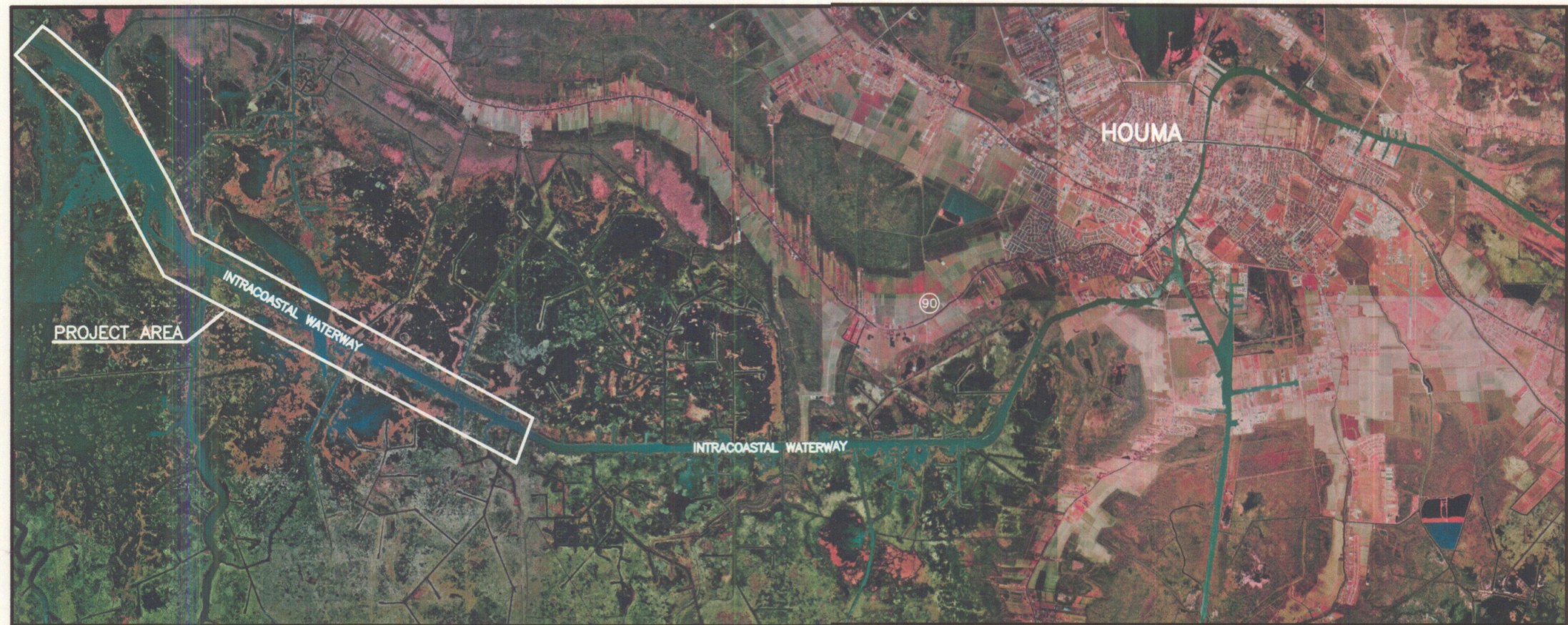
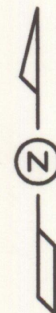
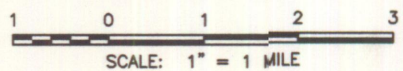


GULF INTRACOASTAL WATERWAY (GIWW)
BANK RESTORATION IN CRITICAL AREAS (TE-43)
TERREBONNE PARISH, LOUISIANA

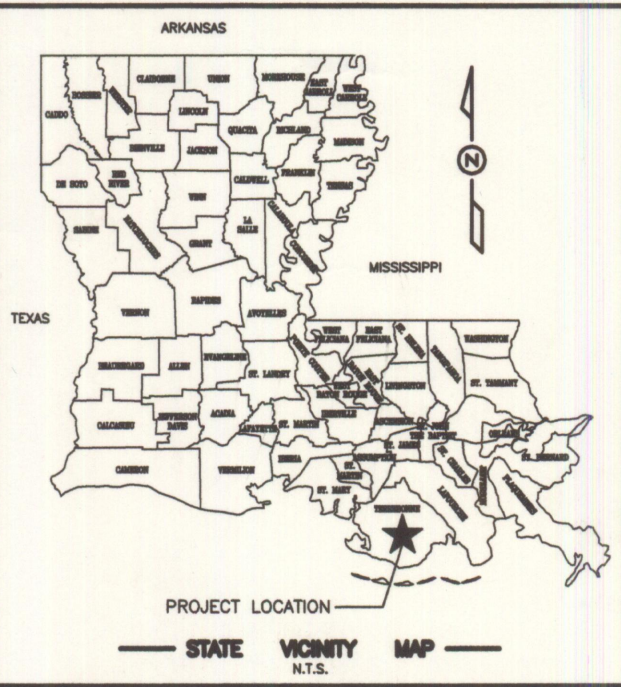
Return to Preliminary Report



LOCAL VICINITY MAP



ADVANCE COPY



INDEX TO SHEETS:

SHEET NO.	DESCRIPTION:
1	TITLE SHEET - STATE AND LOCAL VICINITY MAPS
2	PROJECT LOCATION MAP
3	PROJECT PLAN MAP STA. 0+00 TO STA. 70+00
4	PROJECT PLAN MAP STA. 70+00 TO STA. 135+00
5	PROJECT PLAN MAP STA. 135+00 TO STA. 205+00
6	PROJECT PLAN MAP STA. 205+00 TO STA. 300+00
7	PROJECT PLAN MAP STA. 300+00 TO STA. 400+00
8	PROJECT PLAN MAP STA. 400+00 TO STA. 493+60
9	MAGNETOMETER SURVEY DATA

TOTAL NO. OF SHEETS 9

DRAWING PLOTTED
AT HALF-SCALE

REVISIONS:

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CIVIL ENGINEERS
LAND SURVEYORS
NAVAL ARCHITECTS
MARINE ENGINEERS
P.O. BOX 687
CUT OFF, LOUISIANA 70345
(985) 632-5766



LA. DEPT. OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION
GULF INTRACOASTAL WATERWAY (GIWW)
BANK RESTORATION IN CRITICAL AREAS (TE-43)
TERREBONNE PARISH, LOUISIANA

DESIGNED BY:
M.J.P.

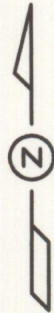
DRAWN BY:
L.M.C.

CHECKED BY:
J.C.P.

DATE:
AUG. 19, 2003

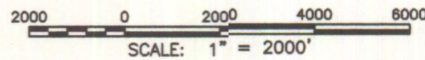
SCALE:
SHOWN

SHEET NO.
1 OF 9



NOTE:
ALIGNMENT LINE AND ACCESS LINE
ARE PARALLEL AND 70' APART.

**TE-43 - MAGNETOMETER SURVEY
PROJECT LOCATION MAP**



ADVANCE COPY

DRAWING PLOTTED
AT HALF-SCALE

DESIGNED BY:
M.J.P.

DRAWN BY:
L.M.C.

CHECKED BY:
J.C.P.

DATE:
AUG. 19, 2003

SCALE:
SHOWN

SHEET NO.
2 OF 9

**LA. DEPT. OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION**
GULF INTRACOASTAL WATERWAY (GIWW)
BANK RESTORATION IN CRITICAL AREAS (TE-43)
TERREBONNE PARISH, LOUISIANA



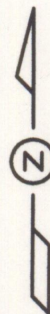
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(885) 632-5786

REVISIONS:

DATE	REMARKS

C:\work\07020301\07020301\ACAD-PLANS\Site-Plans\PLAN-01-07020301.DWG, 0+00 to 70+00, 09/15/2003 01:20:57 PM, Larry

J.N. 0702-0301



NOTE:
ALIGNMENT LINE AND ACCESS LINE
ARE PARALLEL AND 70' APART.

300 0 300 600 900
SCALE: 1" = 300'

TE-43 - MAGNETOMETER SURVEY
PLAN SHEET STA. 0+00 TO STA. 70+00

DRAWING PLOTTED
AT HALF-SCALE

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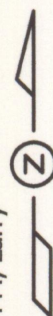
ADVANCE COPY

REVISIONS:	PICCIOLA & ASSOCIATES, INC.
DATE:	NAVAL ARCHITECTS CIVIL ENGINEERS LAND SURVEYORS
REMARKS:	P.O. BOX 887 CUT OFF, LOUISIANA 70345 (865) 632-5788
DESIGNED BY:	M.J.P.
DRAWN BY:	L.M.C.
CHECKED BY:	J.C.P.
DATE:	AUG. 19, 2003
SCALE:	SHOWN
SHEET NO.	3 OF 9

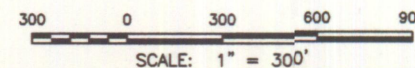
LA. DEPT. OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION
GULF INTRACOASTAL WATERWAY (GIWW)
BANK RESTORATION IN CRITICAL AREAS (TE-43)
TERREBONNE PARISH, LOUISIANA



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NOTE:
ALIGNMENT LINE AND ACCESS LINE
ARE PARALLEL AND 70' APART.



TE-43 - MAGNETOMETER SURVEY
PLAN SHEET STA. 70+00 TO STA. 135+00

DRAWING PLOTTED
AT HALF-SCALE

ADVANCE COPY

REVISIONS:

DATE: _____
REMARKS: _____

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LA. DEPT. OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION
GULF INTRACOASTAL WATERWAY (GIWW)
BANK RESTORATION IN CRITICAL AREAS (TE-43)
TERREBONNE PARISH, LOUISIANA

DESIGNED BY:
M.J.P.

DRAWN BY:
L.M.C.

CHECKED BY:
J.C.P.

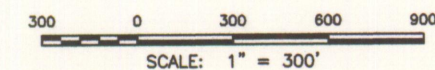
DATE:
AUG. 19, 2003

SCALE:
SHOWN

SHEET NO.
4 of 9



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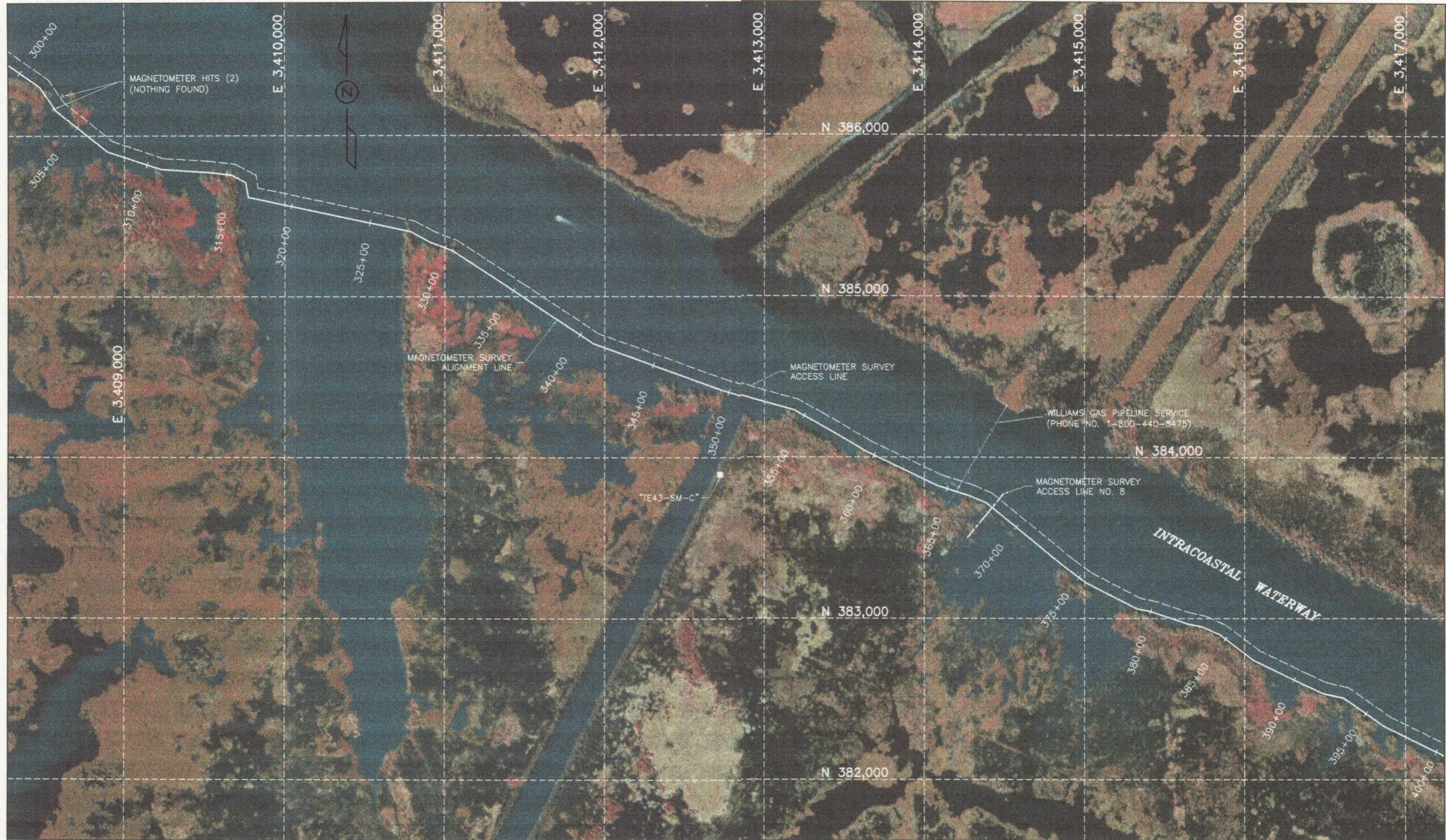


TE-43 - MAGNETOMETER SURVEY
PLAN SHEET STA. 135+00 TO STA. 205+00

NOTE:
 ALIGNMENT LINE AND ACCESS LINE
 ARE PARALLEL AND 70' APART.

DRAWING PLOTTED
 AT HALF-SCALE

REVISIONS:		PICCIOLA & ASSOCIATES, INC. CIVIL ENGINEERS LAND SURVEYORS MARINE ENGINEERS P.O. BOX. 687 COT. OFF. LOUISIANA 70345		
DATE:	REMARKS:			
L.A. DEPT. OF NATURAL RESOURCES COASTAL RESTORATION DIVISION		GULF INTRACOASTAL WATERWAY (GIWW) BANK RESTORATION IN CRITICAL AREAS (TE-43)		
DESIGNED BY:		M.J.P.		
DRAWN BY:		L.M.C.		
CHECKED BY:		J.C.P.		
DATE:		AUG. 19, 2003		
SCALE:		SHOWN		
SHEET NO.		5 OF 9		



NOTE:
ALIGNMENT LINE AND ACCESS LINE
ARE PARALLEL AND 70' APART.

ADVANCE COPY

300 0 300 600 900
SCALE: 1" = 300'

TE-43 - MAGNETOMETER SURVEY
PLAN SHEET STA. 300+00 TO STA. 400+00

**DRAWING PLOTTED
AT HALF-SCALE**

REVISIONS:

DATE: _____
REMARKS: _____

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L.A. DEPT. OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION

GULF INTRACOASTAL WATERWAY (GIWW)
BANK RESTORATION IN CRITICAL AREAS (TE-43)
TERREBONNE PARISH, LOUISIANA

DESIGNED BY:

M.J.P.

DRAWN BY:

L.M.C.

CHECKED BY:

J.C.P.

DATE:

AUG. 19, 2003

SCALE:

SHOWN

SHEET NO.

7 OF 9

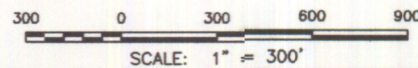
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NOTE:

ALIGNMENT LINE AND ACCESS LINE
ARE PARALLEL AND 70' APART.

ADVANCE COPY



TE-43 - MAGNETOMETER SURVEY
PLAN SHEET STA. 400+00 TO STA. 493+60

DRAWING PLOTTED
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REVISIONS:

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LA. DEPT. OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION

GULF INTRACOASTAL WATERWAY (GIWW)
BANK RESTORATION IN CRITICAL AREAS (TE-43)
TERREBONNE PARISH, LOUISIANA

DESIGNED BY:

M.J.P.

DRAWN BY:

L.M.C.

CHECKED BY:

J.C.P.

DATE:

AUG. 19, 2003

SCALE:

SHOWN

SHEET NO.

8 OF 9

MAGNETOMETER HITS DATA TABLE							
STATION NO.	POINT NO.	TOP OF WATER	TOP OF MUD	TOP OF PIPELINE	X COORDINATE	Y COORDINATE	COMMENTS
PIPELINE DATA							
14+63.46	1021	+1.18	-3.32	-8.82	X=3390003.5090	Y=406009.3260	ENTERPRISE PRODUCTS OPERATING L.P.
14+63.91	1020	+1.22	-3.58	-9.58	X=3390100.1740	Y=406109.3700	ENTERPRISE PRODUCTS OPERATING L.P.
14+68.08	1019	+1.23	-4.97	-17.87	X=3390198.5960	Y=406205.8830	ENTERPRISE PRODUCTS OPERATING L.P.
212+29.55	1015	+1.27	-10.03	-17.13	X=3401070.0450	Y=390833.0800	SHELL PIPELINE CO. L.P.
212+46.96	1014	+1.39	-7.01	-13.41	X=3401069.7830	Y=390786.5140	SHELL PIPELINE CO. L.P.
365+33.19	1003	+1.52	-1.08	-8.38	X=3414146.7950	Y=383712.7040	WILLIAMS GAS PIPELINE SERVICE
365+58.06	1004	+1.48	-1.72	-12.92	X=3414195.7760	Y=383785.9960	WILLIAMS GAS PIPELINE SERVICE
PHANTOM HITS							
11+23.81	1024	N/A	N/A	N/A	X=3389955.2240	Y=406436.0410	NOTHING FOUND
220+32.48	1011	N/A	N/A	N/A	X=3401694.6490	Y=390328.4340	NOTHING FOUND
226+32.62	1010	N/A	N/A	N/A	X=3402207.9960	Y=390023.7430	NOTHING FOUND
262+22.83	1009	N/A	N/A	N/A	X=3405142.2330	Y=388225.7430	NOTHING FOUND
302+73.67	1007	N/A	N/A	N/A	X=3408615.1630	Y=386251.7540	NOTHING FOUND
303+12.33	1008	N/A	N/A	N/A	X=3408562.1500	Y=386168.7440	NOTHING FOUND
413+66.47	1016	N/A	N/A	N/A	X=3418421.1690	Y=381575.2570	NOTHING FOUND

BENCHMARK DATA				
BENCHMARK	POINT NO.	X COORDINATE	Y COORDINATE	ELEV. (FT.)
"TE43-SM-B"	242	X=3,401,610.51	Y=388,586.80	+2.15
"TE43-SM-C"	241	X=3,412,721.49	Y=383,893.93	+3.35
"LPMA-NRCS"	240	X=3,391,131.46	Y=403,567.08	+2.42

NOTE:

HORIZONTAL CONTROL IS BASED ON NAD83 DATUM LOUISIANA
SOUTH ZONE (1702) FEET

VERTICAL CONTROL IS BASED ON NAVD88 DATUM FEET

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TE-43 - MAGNETOMETER SURVEY
MAGNETOMETER SURVEY DATA

DRAWING PLOTTED
AT HALF-SCALE

DESIGNED BY:
M.J.P.

DRAWN BY:
L.M.C.

CHECKED BY
J.C.P.

DATE:
AUG. 19, 2003

SCALE:
SHOWN

SHEET NO.
9 OF 9

**L.A. DEPT. OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION**

GULF INTRACOASTAL WATERWAY (GIWW)
BANK RESTORATION IN CRITICAL AREAS (TE-43)
TERREBOUNE PARISH, LOUISIANA

PICCIOLA & ASSOCIATES, INC.
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