CHANNEL COORDINATES
LONG ISLAND LAMBERT NAD 83

Northing	Easting	Description
311603.560	1382535.722	7-65
311744.079	1382754.825	F'
312141.217	1383169.787	F
312193.026	1383398.748	G'
311987.573	1383773.864	G
311838.587	1384380.423	H'
311633.048	1384558.375	H
311410.683	1384597.201	K'
310970.063	1384483.415	K
310536.659	1384633.317	M'
310090.341	1384952.032	P1
309932.755	1385200.426	P2
308038.742	1385393.450	P3
306657.743	1386247.485	P4
305911.734	1386436.486	P5
305580.733	1386698.491	P6
305322.095	1387121.712	P7
305476.734	1387377.813	P8
305111.732	1387816.458	P9
304757.733	1387522.690	S9
305121.735	1387084.045	S8
305459.885	1387070.086	S7
305509.903	1386644.618	S6
305875.496	1386363.137	S5
306626.147	1386172.960	S4
308011.404	1385316.292	S3
309110.822	1385124.577	S2
310050.323	1384882.305	S1
310499.578	1384561.551	M
310966.704	1384399.920	L
311413.949	1384515.418	K
311597.446	1384483.378	J
311724.641	1384373.265	I
311777.344	1384294.572	H
311912.212	1383745.048	H
312108.221	1383377.747	G
312068.429	1383209.378	F
311495.435	1382610.757	7-61
312638.073	1381547.091	1-65
311695.467	1382243.335	5-65
311625.659	1382362.296	6-65
311483.424	1382489.614	8-61
311513.523	1382253.400	9-61
312578.659	1381466.652	10-61

CONTROL DATA		
BENCHMARK:	K335	2668 B 2003
ELEVATION:	16.4' NGVD(1929) ADJ	9.033' NGVD(1929)

NOTES:

1. *THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES SHOWN AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.*
2. *THE DATA DEPICTED ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.*
3. *THE RESULTS DEPICTED MEET THE MANDATED PERFORMANCE STANDARDS FOR NAVIGATION AND DREDGING SUPPORT SURVEYS (SOFT BOTTOM) AS OUTLINED IN THE CORPS OF ENGINEERS HYDROGRAPHIC SURVEYING MANUAL EM 1110-2-1003, DATED JANUARY 1, 2002.*
4. *COORDINATES ARE EXPRESSED IN FEET AND REFER TO THE LONG ISLAND LAMBERT (NAD 1983) SYSTEM.*
5. *SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.*
6. *THE PLANE OF MEAN LOW WATER IS 2.2 FEET BELOW NGVD (1929) FROM LONG ISLAND SOUND TO OLD MILL ROAD. THE PLANE OF MEAN LOW WATER IS 2.06 FEET BELOW NGVD (1929) FROM OLD MILL ROAD TO HEAD OF PROJECT.*
7. *SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.*

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

GAHAGAN & BRYANT ASSOCIATES, INC.
CONSULTING ENGINEERS
CENTRAL SQUARE
BUILDING, SUITE 101
TEL.(703)263-0448 FAX.(703)255-9928
WWW.GAHAGAN-INC.COM

DATES OF SURVEY: 27 - 28 JUN 2006

FILE NO.: 051
REQUEST NO.: 2928

SCALE: ONE INCH = 300 FEET

FIELD BOOKS: 96-GAG-2006

APPROVED: GAHAGAN & BRYANT ASSOC. INC. — PROJECT MANAGER
APPROVED: FRED HERMAN — PROJECT MANAGER
APPROVED: WAM II — CHIEF CARTOGRAPHER
APPROVED: R. KISS — CHIEF OF SURVEY
DATE: 25 JULY 2006

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

MATTITUCK HARBOR
SUFFOLK COUNTY, NEW YORK
CONDITION SURVEY

VH-101

SHEET 1 OF 8

051
2928

CORPS OF ENGINEERS

U. S. ARMY

CONTROL DATA		
BENCHMARK:	K335	266B B 2003
ELEVATION:	16.4' NGVD(1929) ADJ	9.033' NGVD(1929)

NOTES:

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7. *SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.*

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
GAHAGAN & BRYANT ASSOCIATES, INC.
ENGINEERS ★ SURVEYORS
CENTRALIA SQUARE
ROUTE 112 & MAIN STREET
WILLIAMSTOWN, NEW JERSEY 08094-1165
TEL: (609)728-2844 • FAX: (609)855-9218
WWW.GAHAGANBRYANT.COM

DATES OF SURVEY:
27 - 28 JUN 2006

FILE NO.: 051
REQUEST NO.: 2928

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
NY-02-2006

APPROVED: GAHAGAN & BRYANT ASSOC. INC.
LICENSED SURVEYOR

APPROVED: FRED HERMAN
PROJECT MANAGER

APPROVED: WAM II
LEAD CARTOGRAPHER

APPROVED: R. KISS
CHIEF OF SURVEY

DATE: 24 JULY 2006

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

MATTITUCK HARBOR
SUFFOLK COUNTY, NEW YORK
CONDITION SURVEY

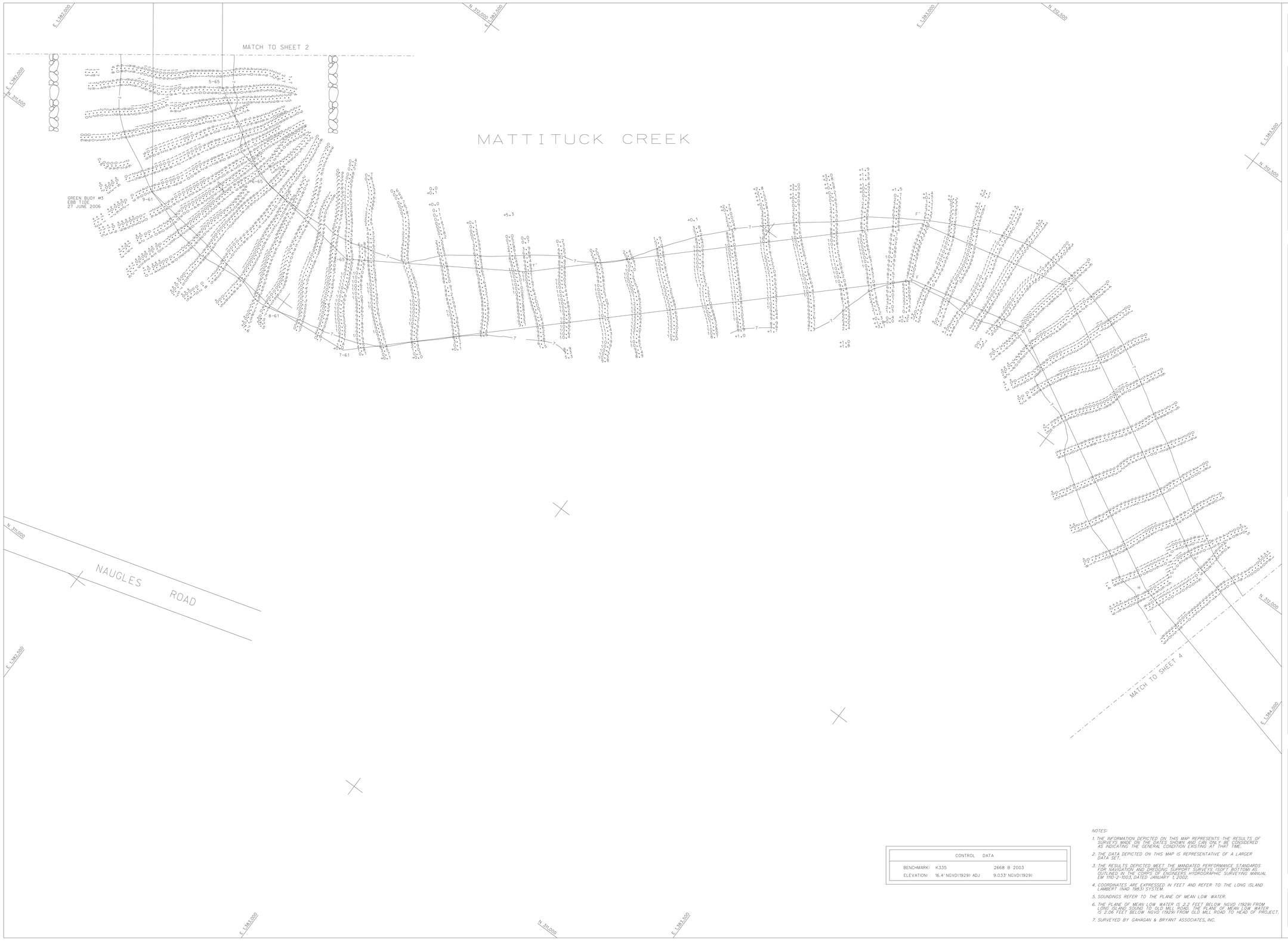
VH–102

SHEET 2 OF 8

051
2928

CORPS OF ENGINEERS

U. S. ARMY



CONTROL DATA		
BENCHMARK:	K335	2668 B 2003
ELEVATION:	16.4' NGVD(1929) ADJ	9.033' NGVD(1929)

NOTES:

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7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GAHAGAN & BRYANT ASSOCIATES, INC.
CONSULTING ENGINEERS
GAHAGAN & BRYANT ASSOCIATES, INC.
200 HUNTER AVENUE, SUITE 9
CENTRAL ISLIP, NEW YORK 11722
TEL: 631(0)631-1646 FAX: 631(0)255-5928
E-MAIL: GBA@GAHAGANBRYANT.COM

DATES OF SURVEY:
27 - 28 JUN 2006

FILE NO.: 051
REQUEST NO.: 2928

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
W-06-2006

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
CONSULTING ENGINEERS
APPROVED: FRED WERMAN
PROJECT MANAGER
APPROVED: WAM II
TIDE CONTROLLER
APPROVED: R. KISS
CHIEF OF SURVEY
DATE: 24 JULY 2006

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CEDAN-OP-S

MATTITUCK HARBOR
SUFFOLK COUNTY, NEW YORK
CONDITION SURVEY

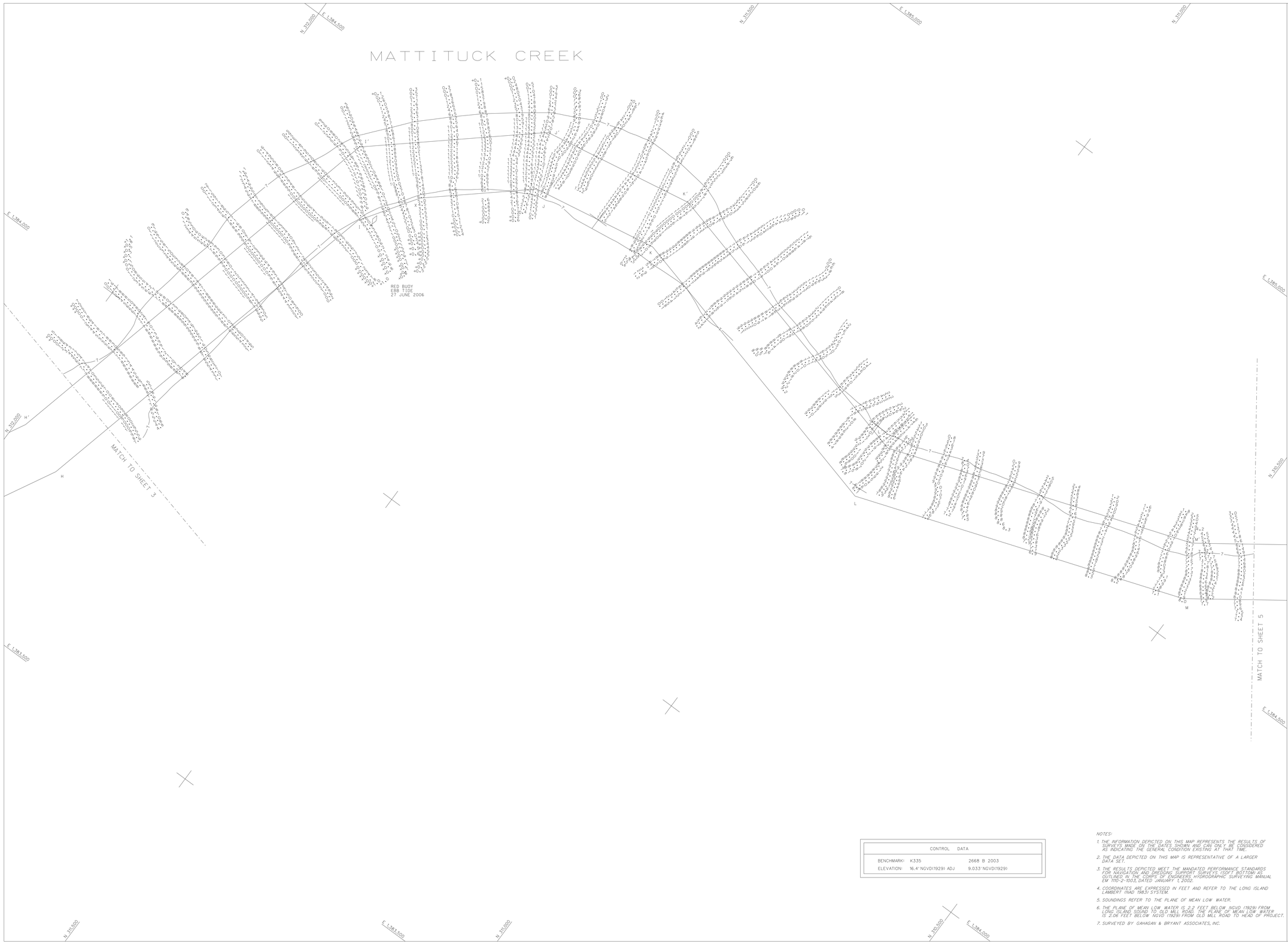
VH-103

SHEET 3 OF 8

051
2928

CORPS OF ENGINEERS

U. S. ARMY



CONTROL DATA		
BENCHMARK:	K335	2668 B 2003
ELEVATION:	16.4' NGVD(1929) ADJ	9.033' NGVD(1929)

NOTES:

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7. *SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.*

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
ENGINEERS ★ SURVEYORS
GAHAGAN & BRYANT ASSOCIATES, INC.
2803 KHALIFF PKE, SUITE D
CHESAPEAKE, VIRGINIA 23321
TEL:(757)-421-2445 FAX:(757)-421-2446
E-MAIL:GBA@GBA-INC.COM

DATES OF SURVEY:
27 - 28 JUN 2006

SCALE:
ONE INCH = 50 FEET

FILE NO.: 051
REQUEST NO.: 2928

FIELD BOOKS:
NY-02-2006

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
PROJECT MANAGER

APPROVED: FREDI HERMAN
PROJECT MANAGER

APPROVED: WAM II
CAD CARTOGRAPHER

APPROVED: R. KISS
CHIEF OF SURVEY

DATE: 24 JUN X 2006

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

MATTITUCK HARBOR
SUFFOLK COUNTY, NEW YORK
CONDITION SURVEY

VH-104

SHEET 4 OF 8

051
2928

CONTROL DATA		
BENCHMARK:	K335	2668 B 2003
ELEVATION:	16.4' NGVD(1929) ADJ	9.033' NGVD(1929)

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7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
GAHAGAN & BRYANT ASSOCIATES
HYDROGRAPHIC SURVEYORS
CARLO ALBERT TI PARC, SUITE D
GAITHERSBURG, MARYLAND 20879
TEL.(301)963-8140 FAX.(301)963-9928
BGA@GAHAGANBRYANT.COM

DATES OF SURVEY:
27 - 28 JUN 2006

SCALE: ONE INCH = 50 FEET

FIELD BOOKS:
NY-02-2006

FILE NO.: 051
REQUEST No.: 2928

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
HYDROGRAPHIC SURVEYOR
APPROVED: FRED HERMAN
PROJECT MANAGER
APPROVED: WAM II
CHIEF CARTOGRAPHER
APPROVED: R. KISS
CHIEF OF SURVEY
DATE: 26 JUL 2006

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

MATTITUCK HARBOR
SUFFOLK COUNTY, NEW YORK
CONDITION SURVEY

VH-105

SHEET 5 OF 8

051
2928

CONTROL DATA		
BENCHMARK:	K335	2668 B 2003
ELEVATION:	16.4' NGVD(1929) ADJ	9.033' NGVD(1929)

NOTES:

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7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GAHAGAN & BRYANT ASSOCIATES, INC.
ENGINEERS ★ SURVEYORS
CORPORATE HEADQUARTERS
3800 KENNETT PIKE, SUITE D
WILMINGTON, DELAWARE 19807
WILMINGTON, DELAWARE, 19807-2700
PHONE: 302-655-1626 FAX: 302-655-9328
WILMINGTON@GBSA-INC.COM

DATES OF SURVEY:
27 – 28 JUN 2006

FILE NO.: 051
PROJECT NO: 2928

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
NY-02-2006

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
CONSULTING SURVEYOR
APPROVED: FRED HERMAN
PROJECT MANAGER
APPROVED: WAM II
LEAD CARTOGRAPHER
APPROVED: R. KISS
CHIEF OF SURVEY
DATE: 25 JULY 2006

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

MATTITUCK HARBOR
SUFFOLK COUNTY, NEW YORK
CONDITION SURVEY

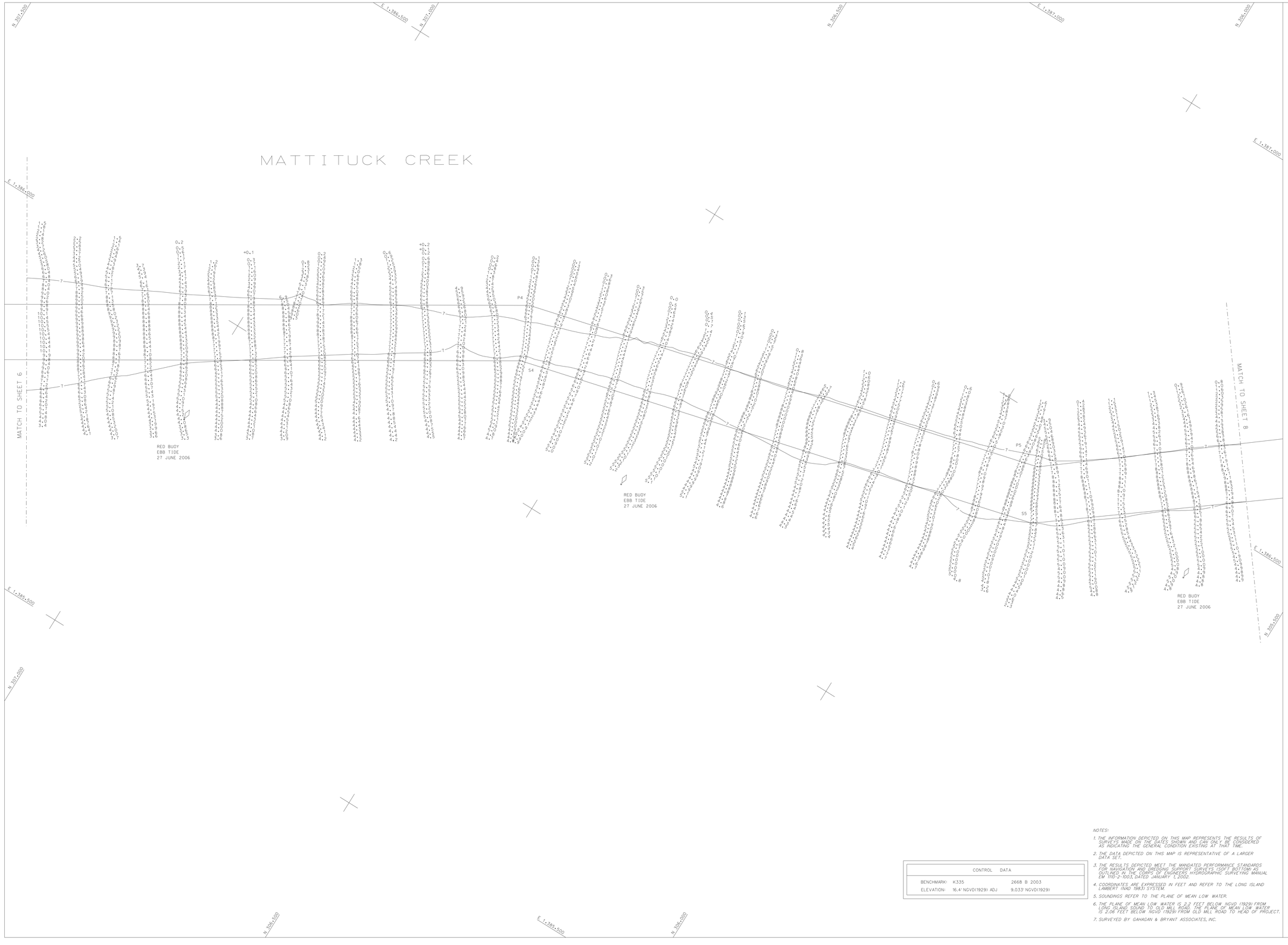
VH–106

SHEET 6 OF 8

051
2928

CORPS OF ENGINEERS

U. S. ARMY



CONTROL DATA		
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7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
ENGINEERS ★ SURVEYORS
GAHAGAN & BRYANT ASSOCIATES, INC.
119 COOPER AVENUE, SUITE B
TONOWANDA, NEW YORK 14150-2103
WILMINGTON, DELAWARE 19803-1505
TEL: 302-655-1626 FAX: 302-655-1628
WILMINGTON@GBASURVEY.COM

DATES OF SURVEY: 27 - 28 JUN 2006

FILE NO.: 051
PROJECT NO.: 2928

SCALE: ONE INCH = 50 FEET

FIELD BOOKS: NY-92-2006

APPROVED: GAHAGAN & BRYANT ASSOC. INC.
LICENSED SURVEYOR

APPROVED: FRED HERMAN
PROJECT MANAGER

APPROVED: WAM II
CHIEF CARTOGRAPHER

APPROVED: R. KISS
CHIEF OF SURVEY

DATE: 26 JUN 2006

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

MATTITUCK HARBOR
SUFFOLK COUNTY, NEW YORK
CONDITION SURVEY

VH-107

SHEET 7 OF 8

051
2928

CORPS OF ENGINEERS

U. S. ARMY

CONTROL DATA		
BENCHMARK:	K335	2668 B 2003
ELEVATION:	16.4' NGVD(1929) ADJ	9.033' NGVD(1929)

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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
ENGINEERS ★ SURVEYORS
GAHAGAN & BRYANT ASSOCIATES, INC.
1008 PENNSYLVANIA AVENUE
WILMINGTON, DELAWARE 19806-1905
PHONE: (302) 655-9200 FAX: (302) 655-9218
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
27 - 28 JUN 2006

FILE NO.: 051
REQUEST NO.: 2928

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
NY-02-2006

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR
APPROVED: FRED HERMANN
PROJECT MANAGER
APPROVED: WAM II
CHIEF CARTOGRAPHER
APPROVED: R. KISS
CHIEF OF SURVEY
DATE: 25 JULY 2006

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

MATTITUCK HARBOR
SUFFOLK COUNTY, NEW YORK
CONDITION SURVEY

VH-108

SHEET 8 OF 8

051
2928