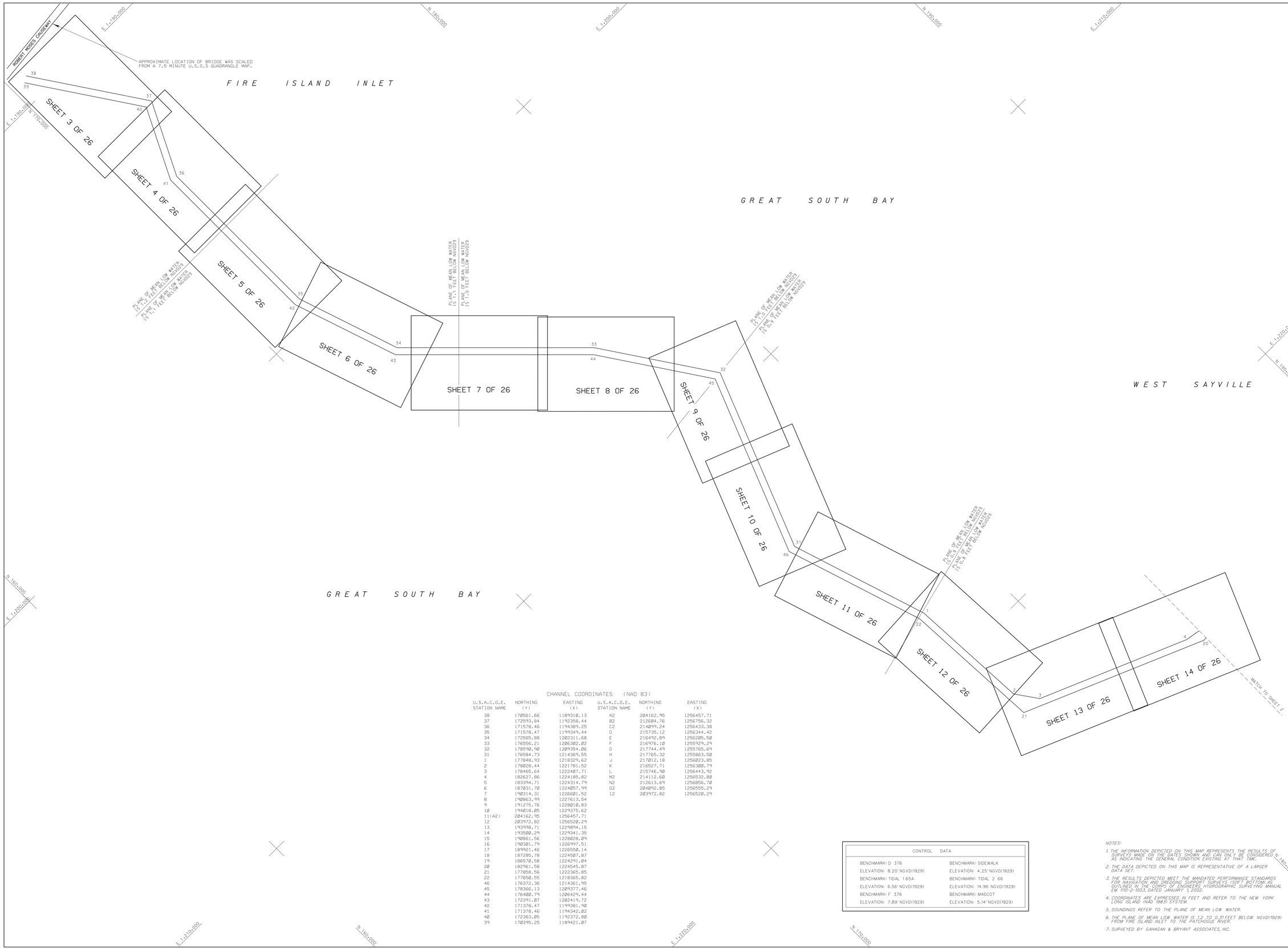


CHANNEL COORDINATES (NAD 83)

U.S.A.C.O.E. STATION NAME	NORTHING (Y)	EASTING (X)	U.S.A.C.O.E. STATION NAME	NORTHING (Y)	EASTING (X)
38	170561.66	1189310.13	A2	204162.95	1256457.71
37	172593.84	1192358.44	B2	212684.76	1256756.32
36	171578.46	1194389.25	C2	214894.24	1256433.38
35	171578.47	1199349.44	D	215735.12	1256344.42
34	172565.88	1202311.68	E	216492.89	1256205.50
33	176556.21	1206302.02	F	216976.10	1255929.29
32	178590.90	1209354.26	G	217744.49	1255765.69
31	176584.73	1214369.55	H	217765.32	1255863.50
1	177848.93	1218329.62	J	217012.18	1256023.85
2	178028.44	1221781.52	K	216527.71	1256300.79
3	178465.64	1222407.71	L	215746.90	1256443.92
4	182627.86	1224185.82	M2	214112.60	1256532.80
5	183394.71	1224314.79	N2	212613.69	1256656.70
6	187031.70	1224057.99	O2	204092.85	1256555.29
7	190314.31	1226601.52	I2	203972.82	1256520.29
8	190863.99	1227613.54			
9	191275.76	1228010.83			
10	194018.05	1229375.62			
11(A2)	204162.95	1256457.71			
12	203972.82	1256520.29			
13	193998.71	1229894.15			
14	193500.29	1229341.35			
15	190861.56	1228028.09			
16	190301.79	1226997.51			
17	189921.46	1226550.14			
18	187285.78	1224507.87			
19	186570.58	1224291.04			
20	182961.58	1224545.87			
21	177858.56	1222365.85			
22	177650.55	1218365.82			
46	176372.36	1214361.95			
45	178366.13	1209377.46			
44	176420.79	1206429.44			
43	172391.07	1202419.72			
42	171378.47	1199381.90			
41	171378.46	1194342.02			
40	172363.05	1192372.80			
39	170395.25	1189421.07			

CONTROL DATA

BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1 65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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 NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

GBA ENGINEERING ★ SURVEYING
GAHAGAN & BRYANT ASSOCIATES, INC.
GAHAGAN & BRYANT PLAZA
CENTERVILLE SQUARE
CENTERVILLE, MASSACHUSETTS 02632
TEL:(508)420-1446 FAX:(508)455-9928
E-MAIL:GBA@GAHAGAN-INC.COM

DATES OF SURVEY: 5 - 10 APRIL 2008

FILE NO.: 88
REQUEST No.: 3201

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: NY-SBC-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC. CHIEF OF SURVEYS
APPROVED: P. RACINE PROJECT MANAGER
APPROVED: WAM II LINE CARTOGRAPHER
APPROVED: C. POSTIGLIONE CHIEF OF SURVEY
DATE: 4 MAY 2008

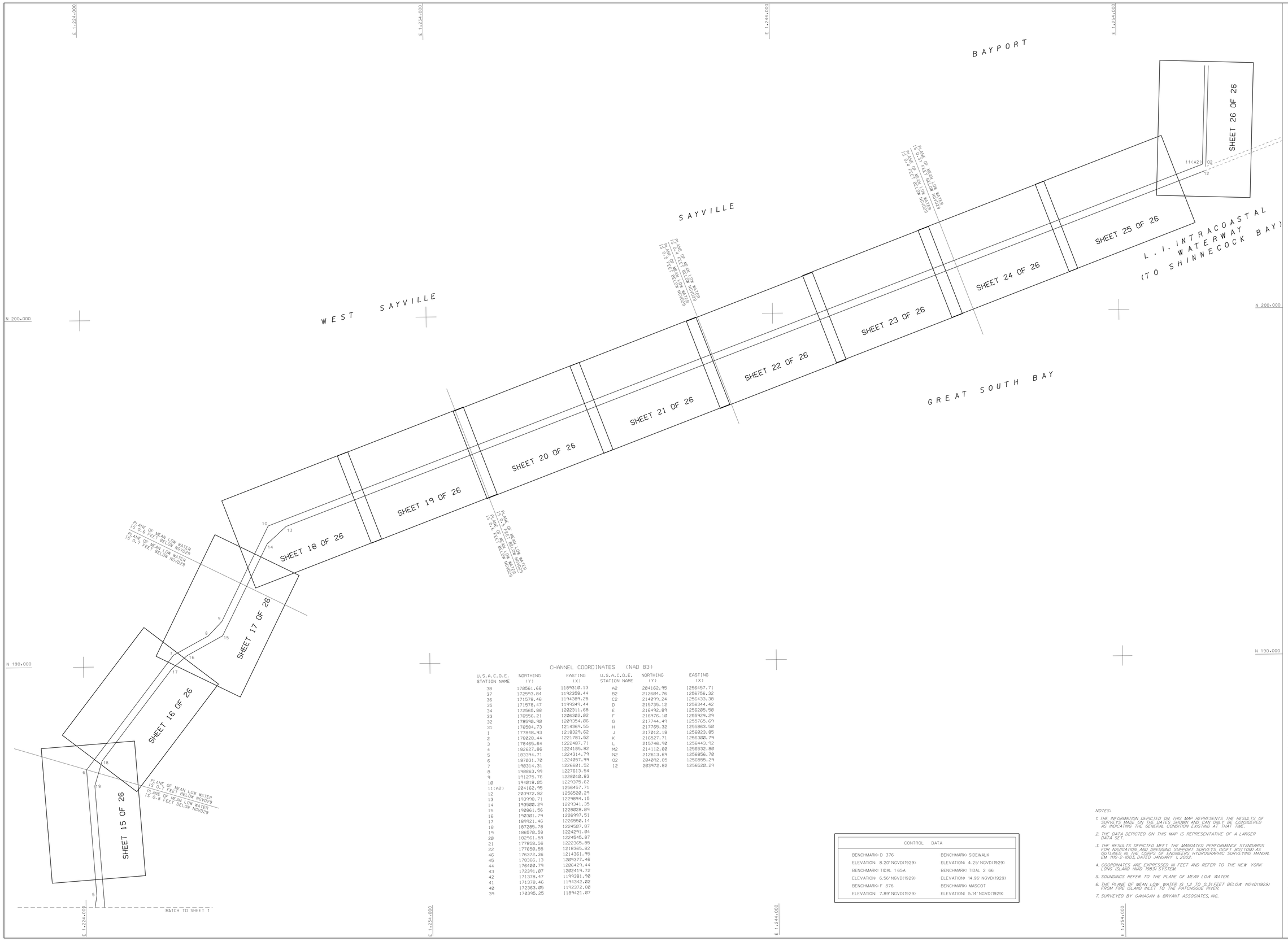
DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

VH-101

SHEET 1 OF 26



CHANNEL COORDINATES (NAD 83)

U.S.A.C.O.E. STATION NAME	NORTHING (Y)	EASTING (X)	U.S.A.C.O.E. STATION NAME	NORTHING (Y)	EASTING (X)
38	172561.66	1189310.13	A2	204162.95	1256457.71
37	172593.84	1192358.44	B2	212604.76	1256756.32
36	171578.46	1194389.25	C2	214899.24	1256433.38
35	171578.47	1199349.44	D	215735.12	1256344.42
34	172565.88	1202311.68	E	216492.89	1256205.50
33	176556.21	1206302.02	F	216976.10	1255929.29
32	178590.90	1209354.86	G	217744.49	1255765.69
31	176584.73	1214369.55	H	217765.32	1255863.50
1	177848.93	1218329.62	J	217012.18	1256023.85
2	178028.44	1221781.52	K	216527.71	1256300.79
3	178465.64	1222407.71	L	215746.90	1256443.92
4	182627.86	1224185.82	M2	214112.60	1256532.80
5	183394.71	1224314.79	N2	212613.69	1256856.70
6	187031.70	1224857.99	O2	204892.85	1256555.29
7	190314.31	1226601.52	12	203972.82	1256520.29
8	190863.99	1227613.54			
9	191275.76	1228010.63			
10	194018.05	1229375.62			
11(A2)	204162.95	1256457.71			
12	203972.82	1256520.29			
13	193998.71	1229894.15			
14	193500.29	1229341.35			
15	190861.56	1228028.09			
16	190301.79	1226997.51			
17	189921.46	1226550.14			
18	187285.78	1224507.87			
19	186570.58	1224291.04			
20	182961.58	1224545.87			
21	177858.56	1222365.85			
22	177650.55	1218365.82			
46	176372.36	1214361.95			
45	178366.13	1209377.46			
44	176400.79	1206429.44			
43	172391.07	1202419.72			
42	171378.47	1199381.90			
41	171378.46	1194342.02			
40	172363.05	1192372.80			
39	172395.25	1189421.07			

CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1.65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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 NEW YORK LONG ISLAND (NAD 1983) SYSTEM.*
5. *SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.*
6. *THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.*
7. *SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.*

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

GAHAGAN & BRYANT ASSOCIATES, INC.
ENGINEERS ★ SURVEYORS
GAHAGAN & BRYANT PLAZA
CENTERVILLE SQUARE
WARREN, NEW JERSEY 07059
TEL:(732)563-1848 FAX:(732)855-9218
E-MAIL:GBA@GAHAGANBRYANT.COM

DATES OF SURVEY: 3 - 10 APRIL 2008

FILE NO.: 88
REQUEST No.: 3201

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: NY-CSC-2008

APPROVED: GAHAGAN & BRYANT ASSOCIATES, INC. CHIEF, SURVEY DEPARTMENT
APPROVED: P. RACINE PROJECT MANAGER
APPROVED: MAM II CHIEF CARTOGRAPHER
APPROVED: C. POSTIGLIONE CHIEF OF SURVEY
DATE: 4 MAY 2008

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

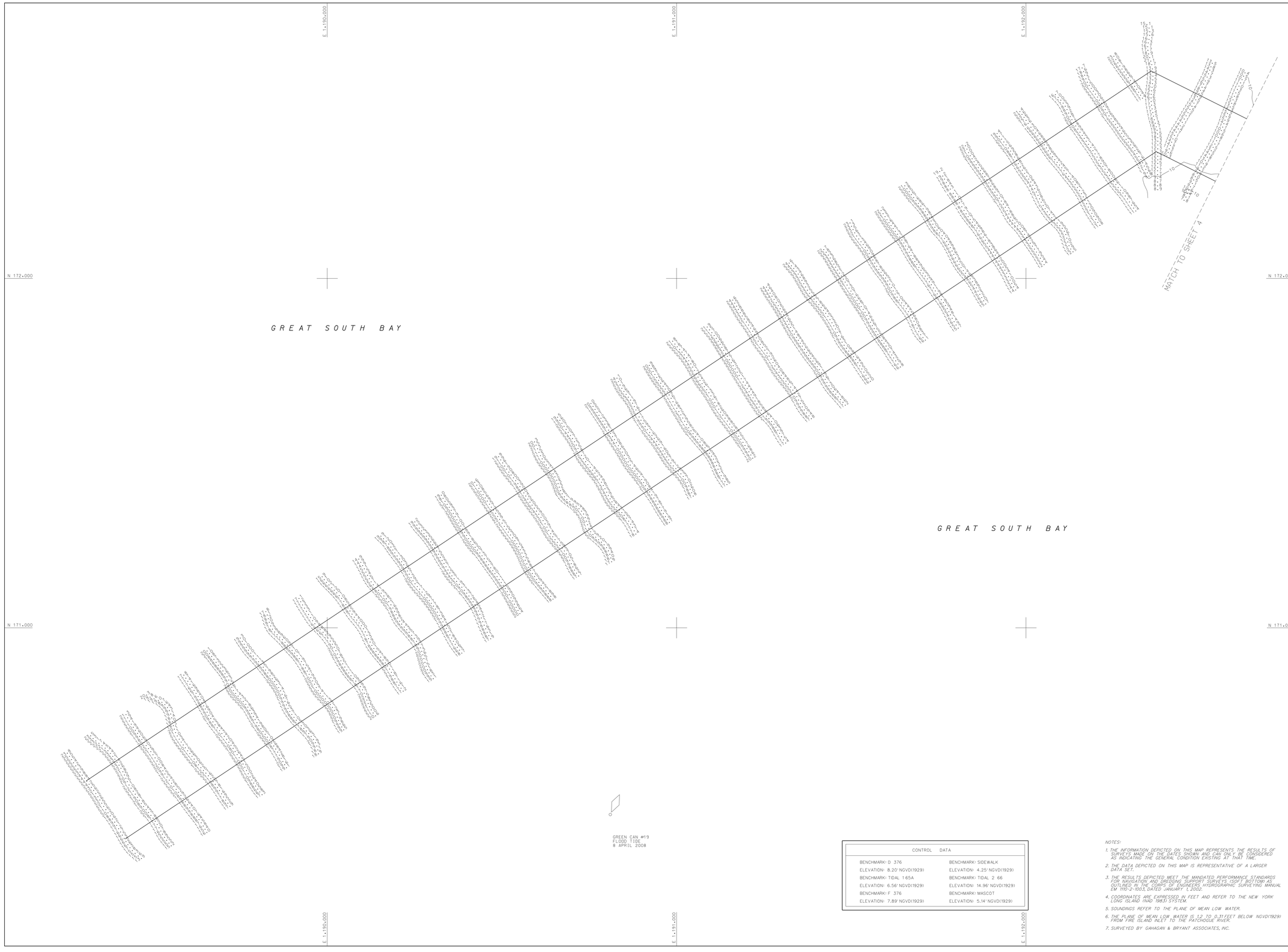
GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

VH-102

SHEET 2 OF 26

CORPS OF ENGINEERS

U. S. ARMY



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1 65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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 NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
ENGINEERS ★ SURVEYORS
GAHAGAN & BRYANT ASSOCIATES, INC.
2500 PLAZA ST PKWY, SUITE 15
PO BOX 1000
WILMINGTON, COLORADO 80837-1000
(970) 963-2855 FAX (970) 963-2856
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 – 10 APRIL 2008

FILE NO.: 88
PAGE: VOL.1 103

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
YZ-02-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR
APPROVED: P. RACINE
PROJECT MANAGER
APPROVED: WAM II
CHIEF CARTOGRAPHER
APPROVED: C. POSTOLONE
CHIEF, SURVEY SECTION
DATE: 4 MAY 2008

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

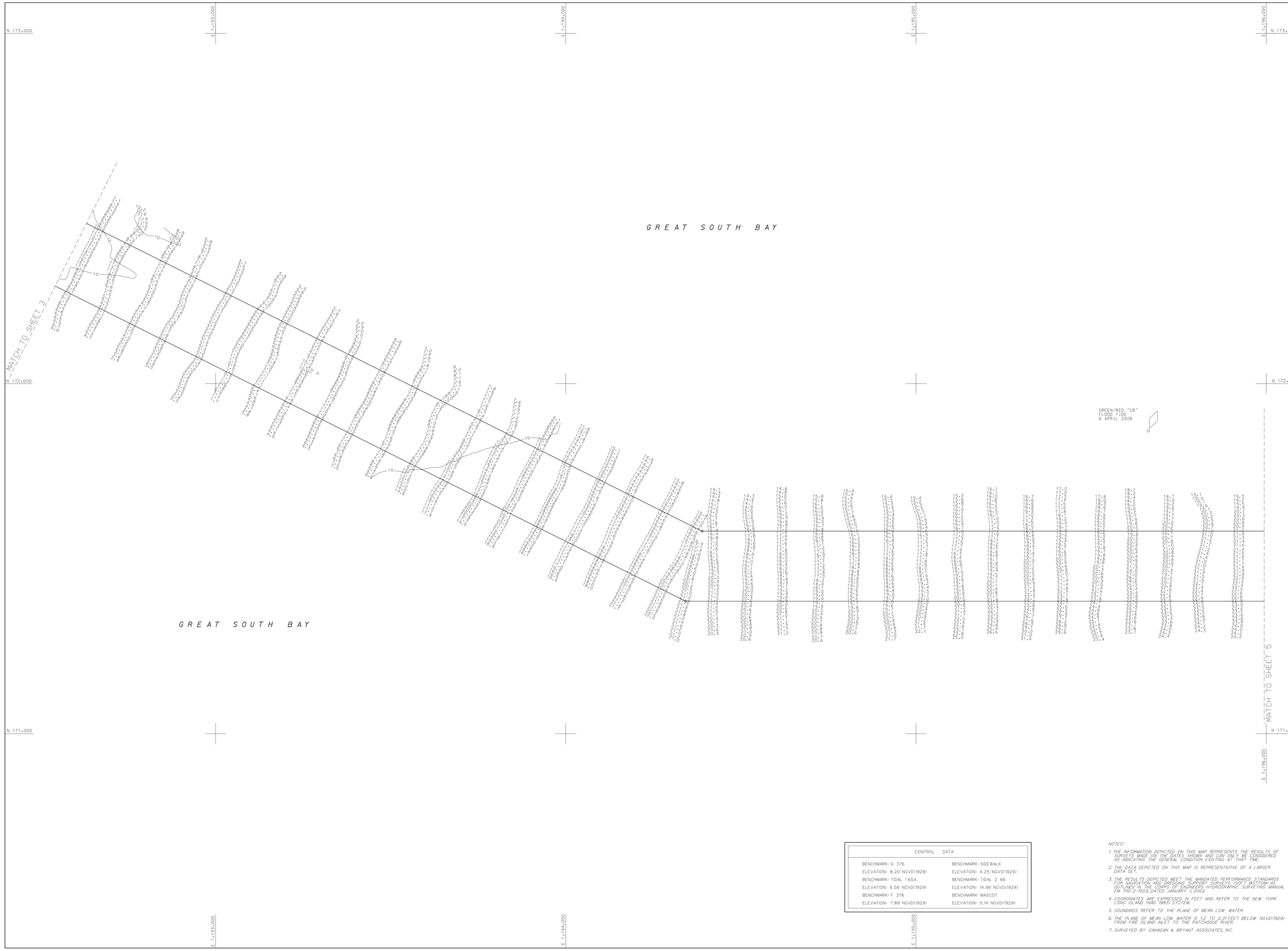
VH–103

SHEET 3 OF 26

88
3201

CORPS OF ENGINEERS

U. S. ARMY



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 165A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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 (50FT 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 NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
ENGINEERS ★ SURVEYORS
GAHAGAN & BRYANT ASSOCIATES, INC.
5903 ATLANTIC BLVD., SUITE 0
PO BOX 1488
WILMINGTON, DELAWARE 19801-1488
PHONE: (302) 762-1000 FAX: (302) 762-1928
WILMINGTON@GBA-NC.COM

DATES OF SURVEY:
3 - 10 APRIL 2008

FILE NO.: 88
BOAT NO.: 3201

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
NY-02-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR
APPROVED: P. RACINE
PROJECT MANAGER
APPROVED: MAM II
CAD CHIEF/MANAGER
APPROVED: C. POSTILLONE
CHIEF, SURVEY
DATE: 4 MAY 2009

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

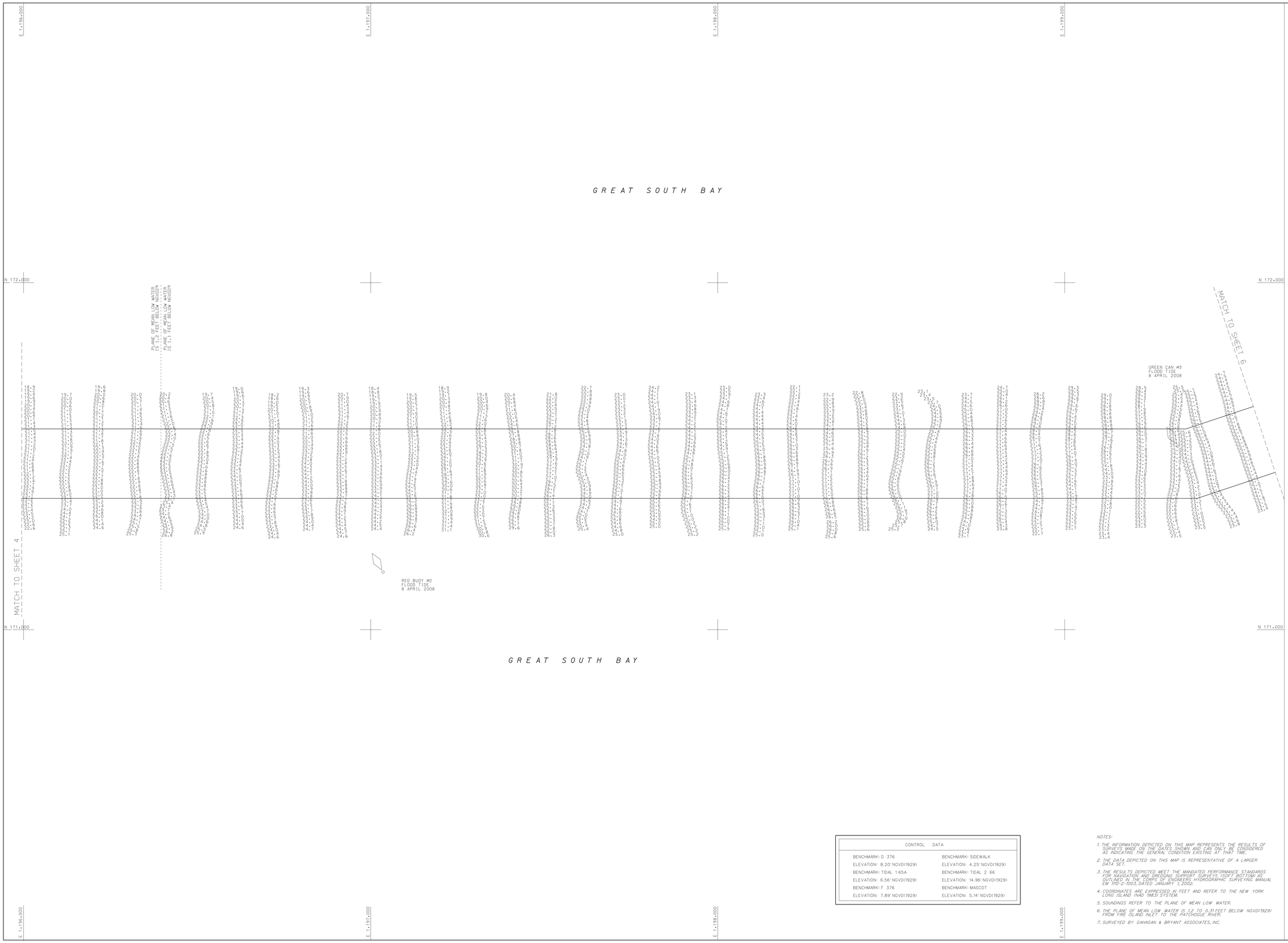
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

VH-104

SHEET 4 OF 26

88
3201



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1 65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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 REPORMANCE 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 NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
ENGINEERING ★ SURVEYING
GAHAGAN & BRYANT ASSOCIATES, INC.
GAHAGAN & BRYANT SQUARE
CENTRAL SQUARE
BALLWIN, MISSOURI 63011-1195
TEL:(314)532-1848 FAX:(314)205-9928
E-MAIL:GBA@GBA-INC.COM

DATES OF SURVEY:
3 - 10 APRIL 2008

FILE NO.: 88
REQUEST No.: 3201

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
TV-SGE-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
SURVEY CONTRACTOR
APPROVED: P. RACINE
PROJECT MANAGER
APPROVED: WAM II
LEAD CARTOGRAPHER
APPROVED: C. POSTIGLIONE
CHIEF OF SURVEY
DATE: 4 MAY 2008

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

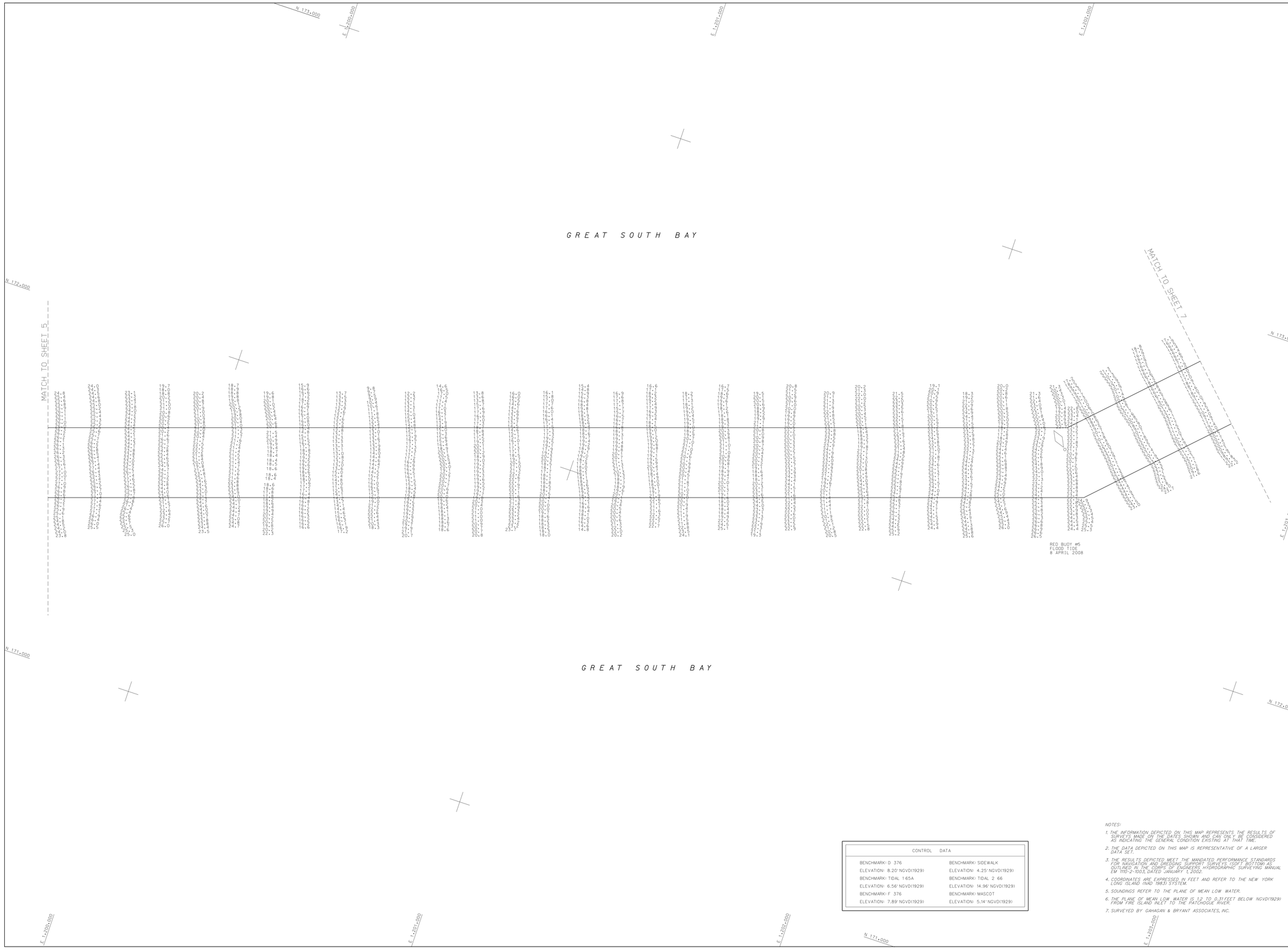
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

VH-105

SHEET 5 OF 26

88
3201



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 165A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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 NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
GAHAGAN & BRYANT ASSOCIATES, INC.
ENGINEERS ★ SURVEYORS
3400 PINE ST. PHL, SUITE 10
PHILADELPHIA, PA 19104
WILMINGTON, DELAWARE, 19807-1700
(302) 652-1160 FAX (302) 652-1200
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 - 10 APRIL 2008

FILE NO.: 88
SHEET NO.: 6 OF 100

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
YX-02-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR
APPROVED: P. RACINE
PROJECT MANAGER
APPROVED: WAM III
CHIEF CARTOGRAPHER
APPROVED: C. POSTIGLIONE
CHIEF, SURVEY SECTION
DATE: 8 MAY 2008

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

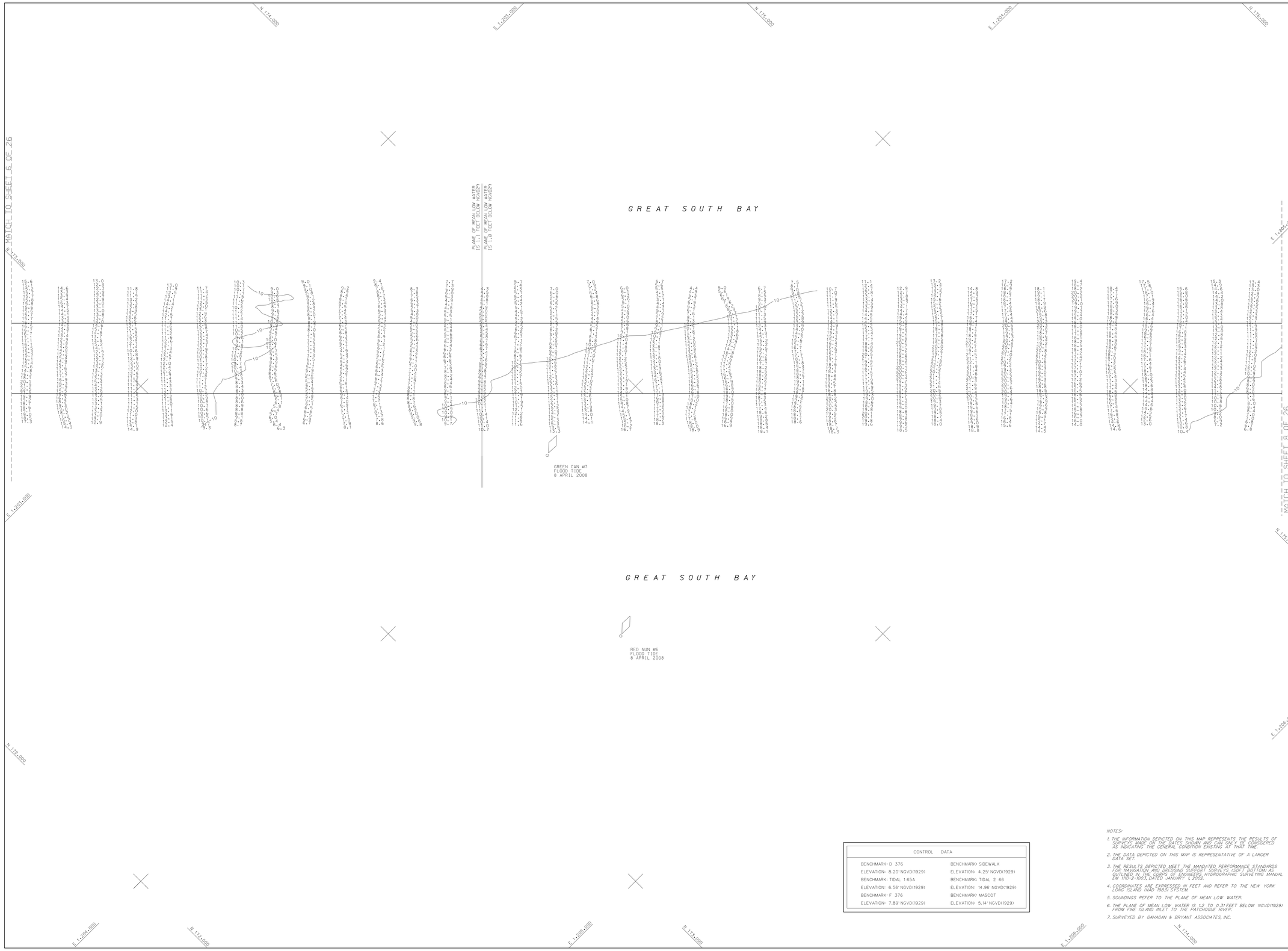
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

VH-106

SHEET 6 OF 26

88
3201



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1.65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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 NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
GAHAGAN & BRYANT ASSOCIATES
ENGINEERS ★ SURVEYORS
3400 PENNSYLVANIA AVENUE, SUITE 5
WILMINGTON, DELAWARE 19804-1703
PHONE: (302) 652-1160 FAX: (302) 652-9928
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 - 10 APRIL 2008

FILE NO.: 88
FIELD NO.: 3201

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
NY-92-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
(LIAISON SURVEYOR)
APPROVED: P. RACINE
(PROJECT MANAGER)
APPROVED: WAM II
(USE CONTRACTOR)
APPROVED: C. POSTIGLIONE
(CHIEF, SURVEY SECTION)
DATE: 4 MAY 2008

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

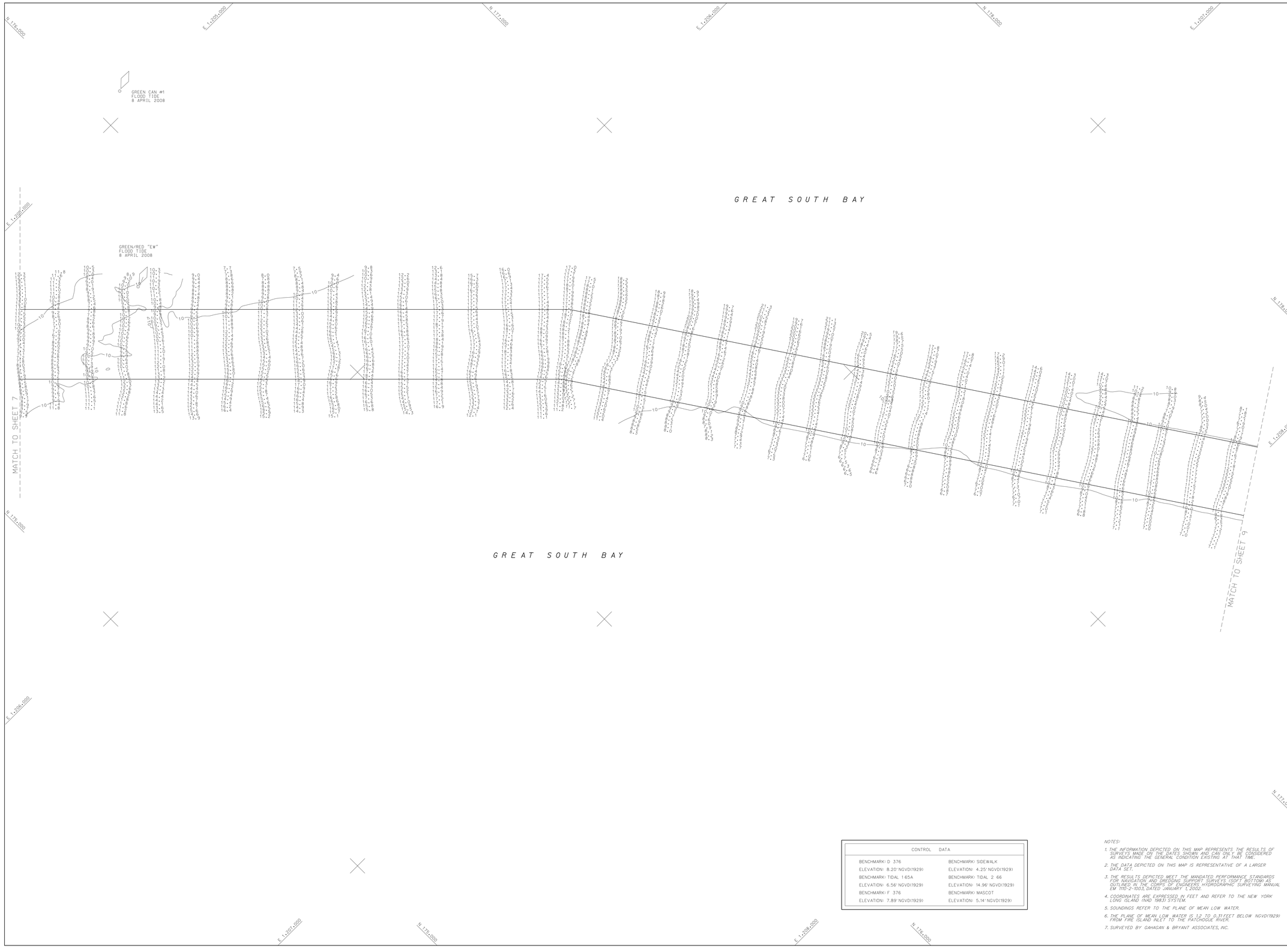
GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-107

SHEET 7 OF 26

88
3201



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1 65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' NGVD(1929)

NOTES:

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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 NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
GAHAGAN & BRYANT ASSOCIATES
ENGINEERS ★ SURVEYORS
3400 PENNSYLVANIA AVENUE, SUITE 115
DAVIS PLAZA BY PAUL, SUITE 10
WILMINGTON, DELAWARE 19807-1765
1 CORPORATE CENTER, 1000 WEST NEW LOOP
WILMINGTON, DELAWARE 19804-2028
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 – 10 APRIL 2008

FILE NO.: 88
PAGE: VOL2 109

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
YK-92-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
SURVEY SUPERVISOR

APPROVED: M. RACINE
PROJECT MANAGER

APPROVED: W.M. II
CHIEF CARTOGRAPHER

APPROVED: C. POSTIGLIONE
CHIEF, SURVEY BRANCH

DATE: 4 MAY 2009

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

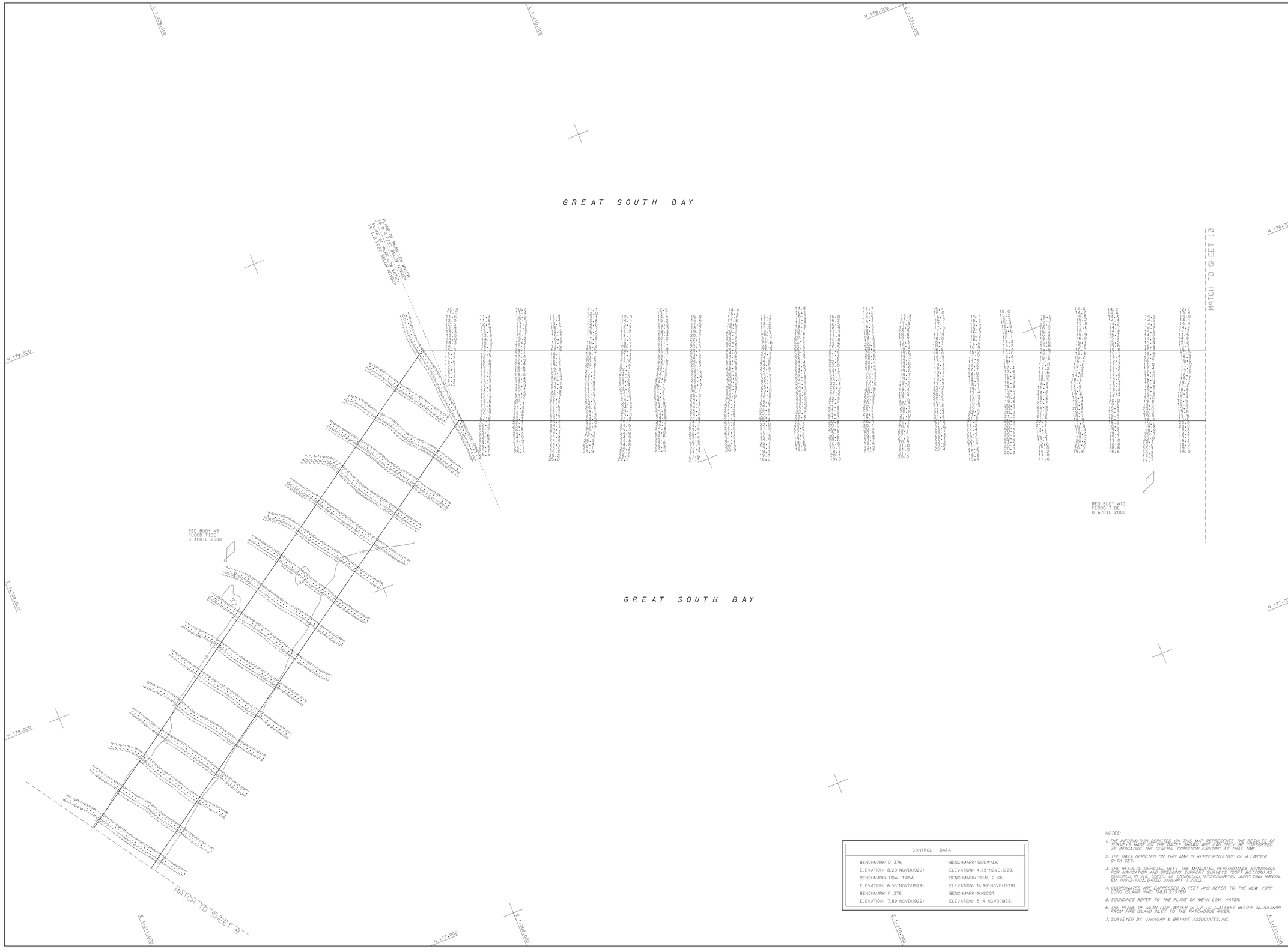
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

VH–108

SHEET 8 OF 26

88
3201



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1 65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' NGVD(1929)

NOTES:

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4. COORDINATES ARE EXPRESSED IN FEET AND REFER TO THE NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GAHAGAN & BRYANT ASSOCIATES, INC.
ENGINEERS ★ SURVEYORS
3601 ARUNDEL PIKE, SUITE 1
BOX ELDER PLAZA, SUITE 2
WILMINGTON, DELAWARE 19803-1100
PHONE: (302) 478-5142 FAX: (302) 478-2036
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 - 10 APRIL 2008

FILE NO.: 88
PAGES VOL.: 109

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
NY-02-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR
APPROVED: P. RACINE
PROJECT MANAGER
APPROVED: WAM II
CHIEF CARTOGRAPHER
APPROVED: C. POSTIGLIONE
CHIEF, OPS & SURVEY
DATE: 4 MAY 2008

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

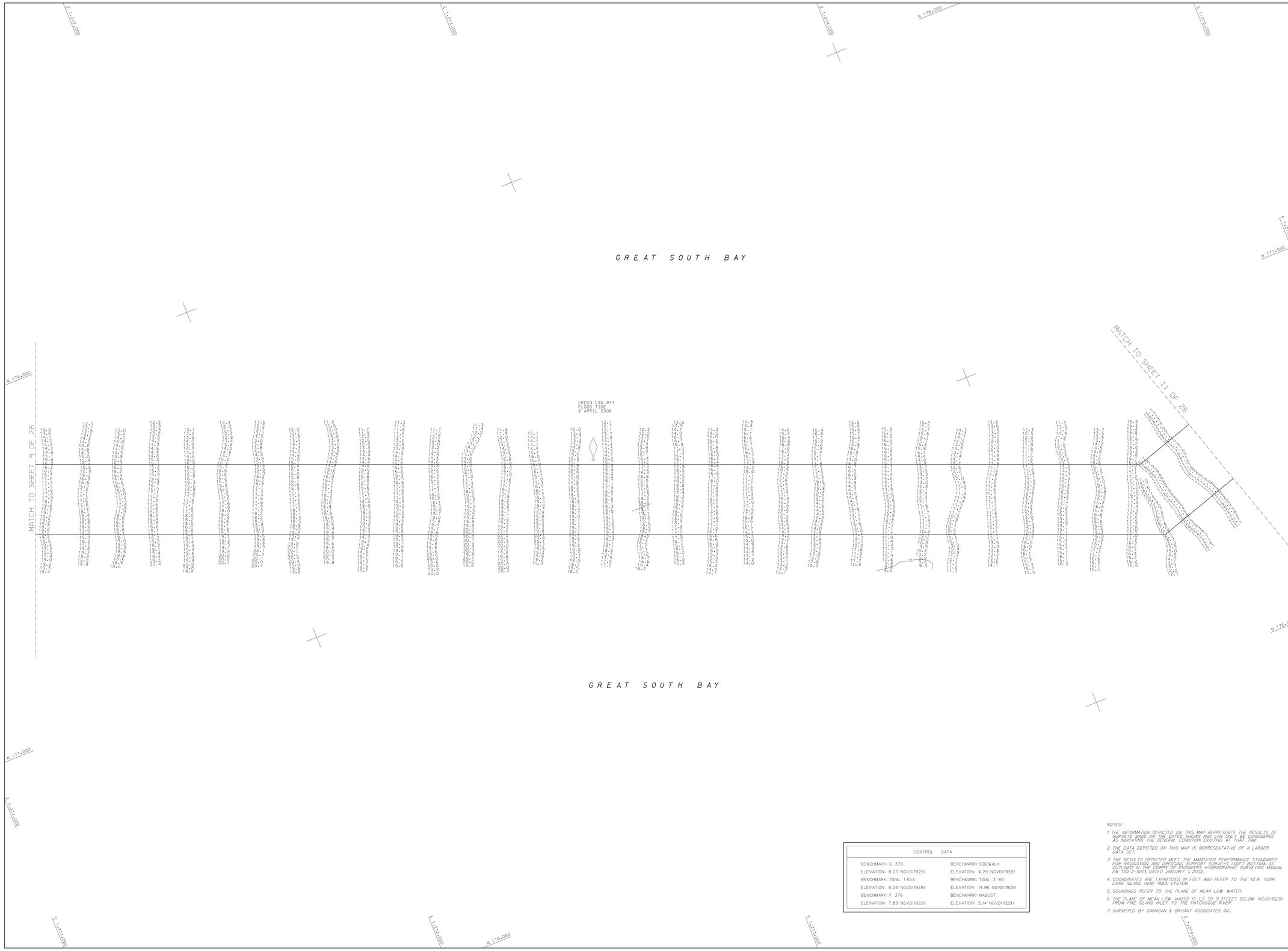
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

VH-109

SHEET 9 OF 26

88
3201



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 165A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' NGVD(1929)

NOTES:

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4. COORDINATES ARE EXPRESSED IN FEET AND REFER TO THE NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
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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.
DATA ANALYSIS DIV. SUITE 10
1 WALL STREET
WILMINGTON, DELAWARE 19801-1165
(302) 656-1296 FAX (302) 656-1928
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 – 10 APRIL 2008

FILE NO.: 88
PAGE: VOL.1 109

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
YK-92-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR
APPROVED: P. RACINE
PROJECT MANAGER
APPROVED: WAM III
CHIEF CARTOGRAPHER
APPROVED: C. POSTICCHIO
CHIEF, DATA ANALYSIS BRANCH
DATE: 4 MAY 2008

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

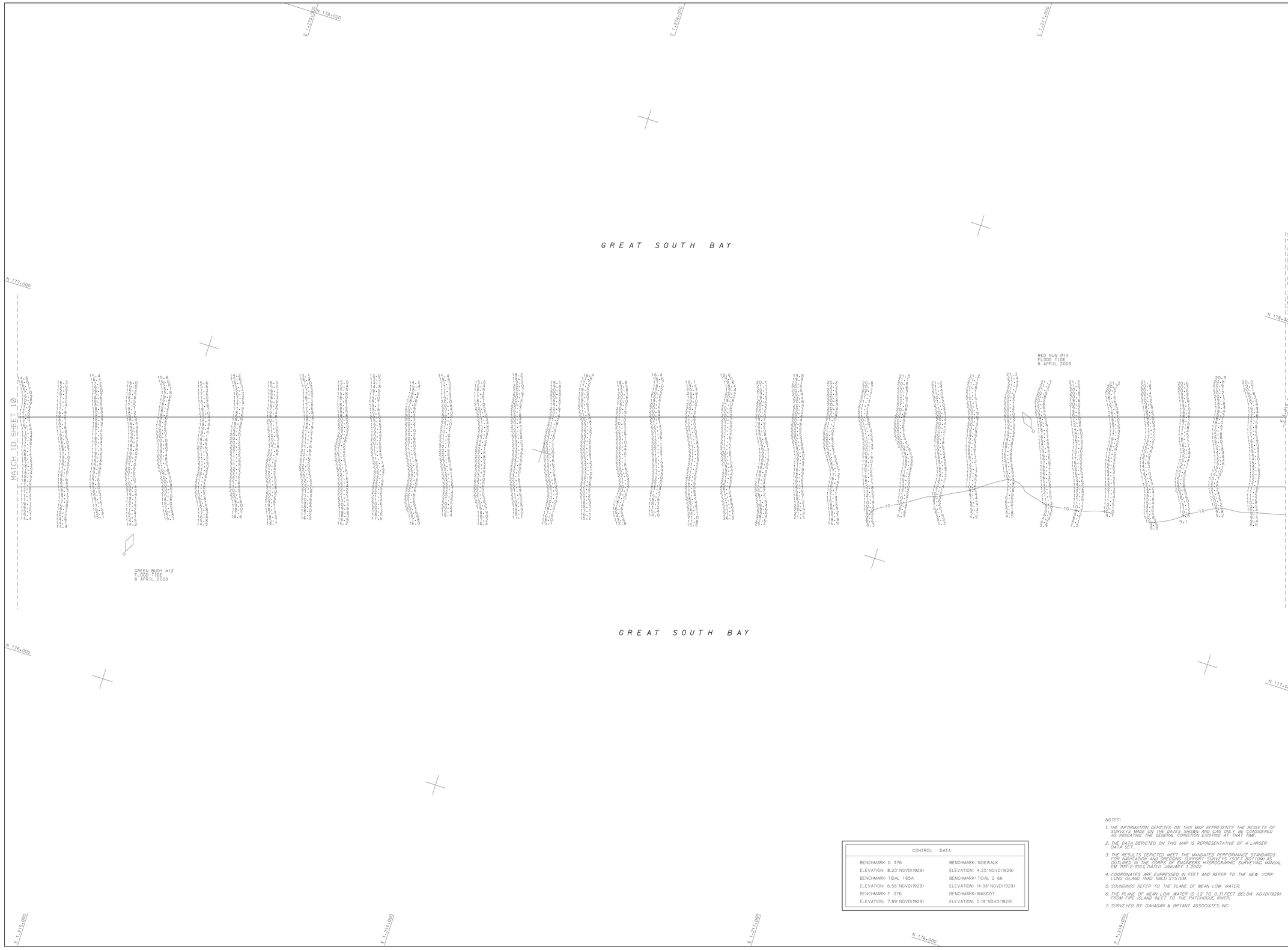
VH–110

SHEET 10 OF 26

88
3201

CORPS OF ENGINEERS

U. S. ARMY



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1 65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' NGVD(1929)

NOTES:

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5. *SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.*
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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
3400 PINE ST. PHL. SUITE 10
PHILADELPHIA, PA 19104-2822
WILMINGTON, DELAWARE 19810-1765
(302) 475-2000 FAX (302) 475-2035
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 – 10 APRIL 2008

FILE NO.: 88
SHEET NO.: 11 OF 26

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
YX-02-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR

APPROVED: P. RACINE
PROJECT MANAGER

APPROVED: WILM II
CASE PARTICIPANTS

APPROVED: C. POSTIGLIONE
CHIEF, SURVEY SECTION

DATE: 4 MAY 2008

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

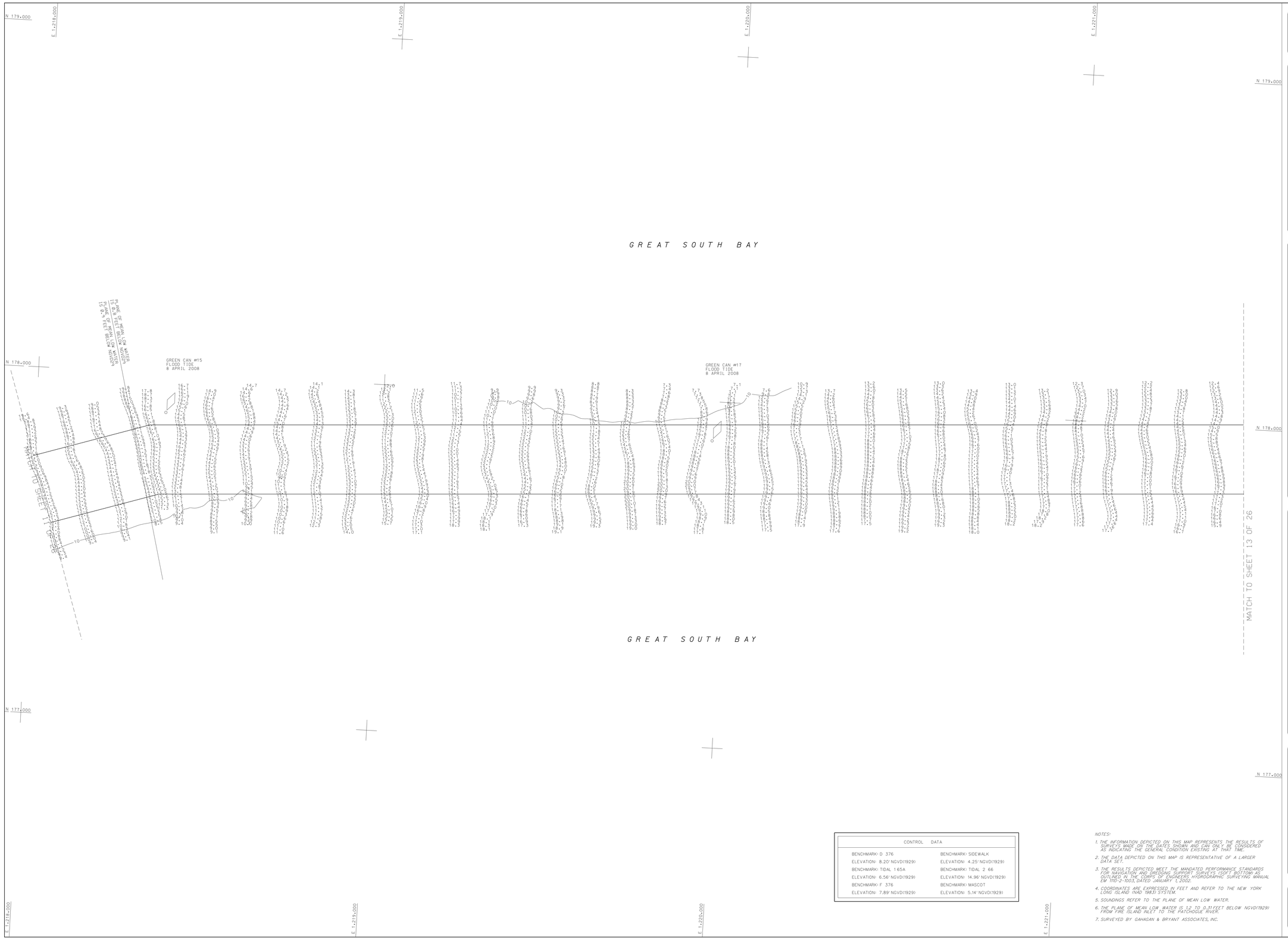
GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH–111

SHEET 11 OF 26

88
3201



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1 65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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, INC.
ENGINEERS ★ SURVEYORS
3400 PINE ST. PHIL. PA. 19104-3115
1 CORPORATE DRIVE, SUITE 10
BELLMEAD, NJ 08502
WILMINGTON, DELAWARE 19810-1765
(215) 243-1000 FAX (215) 243-1001
WILMINGTON (302) 478-7570 FAX (302) 478-5628
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 - 10 APRIL 2008

FILE NO.: 88
SHEET NO.: 3201

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
YK-92-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR
APPROVED: P. RACINE
PROJECT MANAGER
APPROVED: WAM II
LEAD CARTOGRAPHER
APPROVED: C. POSTOLONE
CHIEF OF SURVEY
DATE: 6 MAY 2008

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

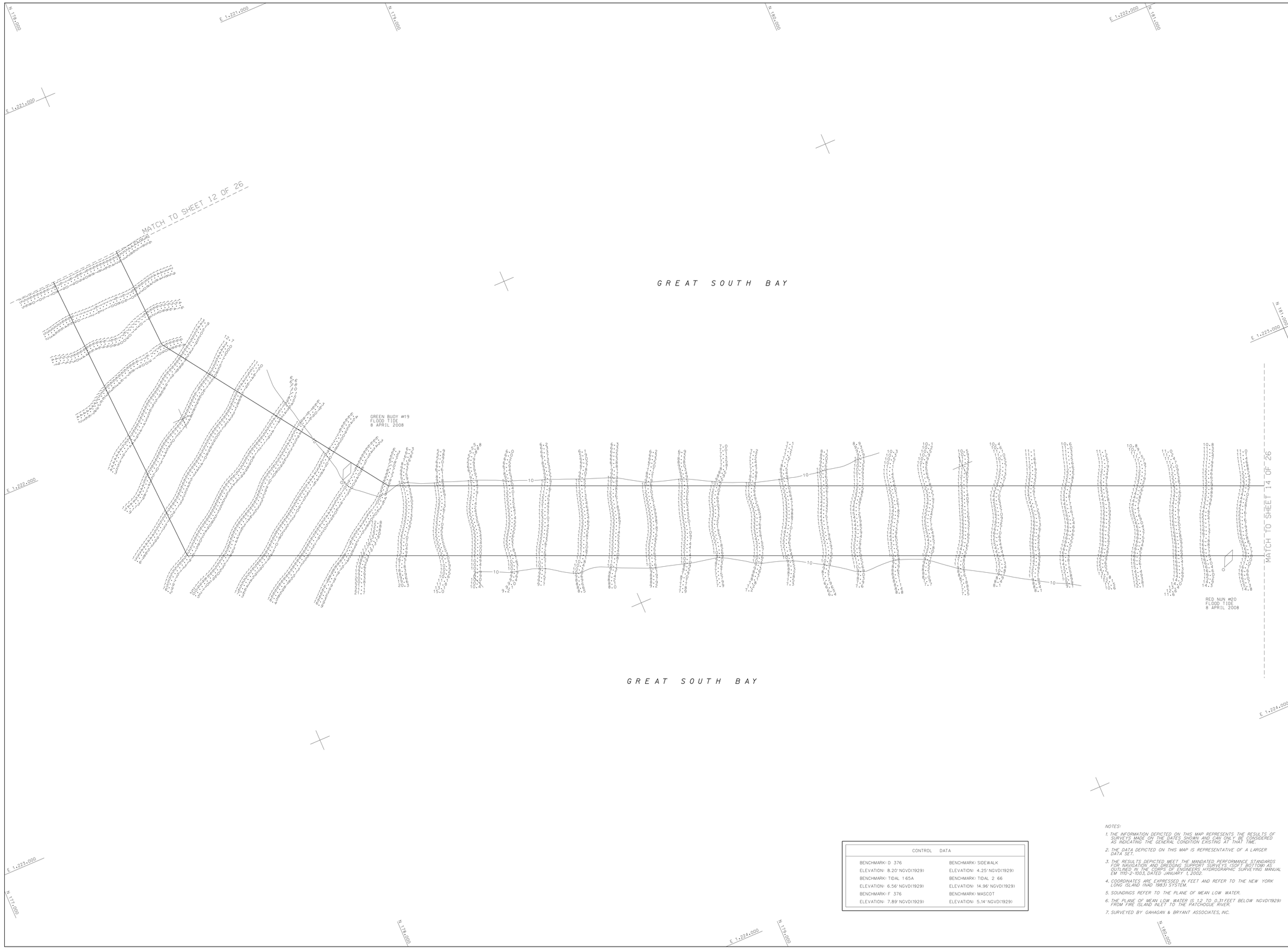
VH–112

SHEET 12 OF 26

88
3201

CORPS OF ENGINEERS

U. S. ARMY



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 165A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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.
2600 JENNY ST. PKWY., SUITE 10
P.O. BOX 1000
WILMINGTON, DELAWARE 19807-1700
(302) 656-1000 FAX (302) 656-1018
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 – 10 APRIL 2008

FILE NO.: 88
PAGE: VOL.1 B30

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
NY-02-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR
APPROVED: P. RACINE
PROJECT MANAGER
APPROVED: WAM II
LEAD CARTOGRAPHER
APPROVED: C. POSTIGLIONE
CHIEF, SURVEY SECTION
DATE: 6 MAY 2008

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

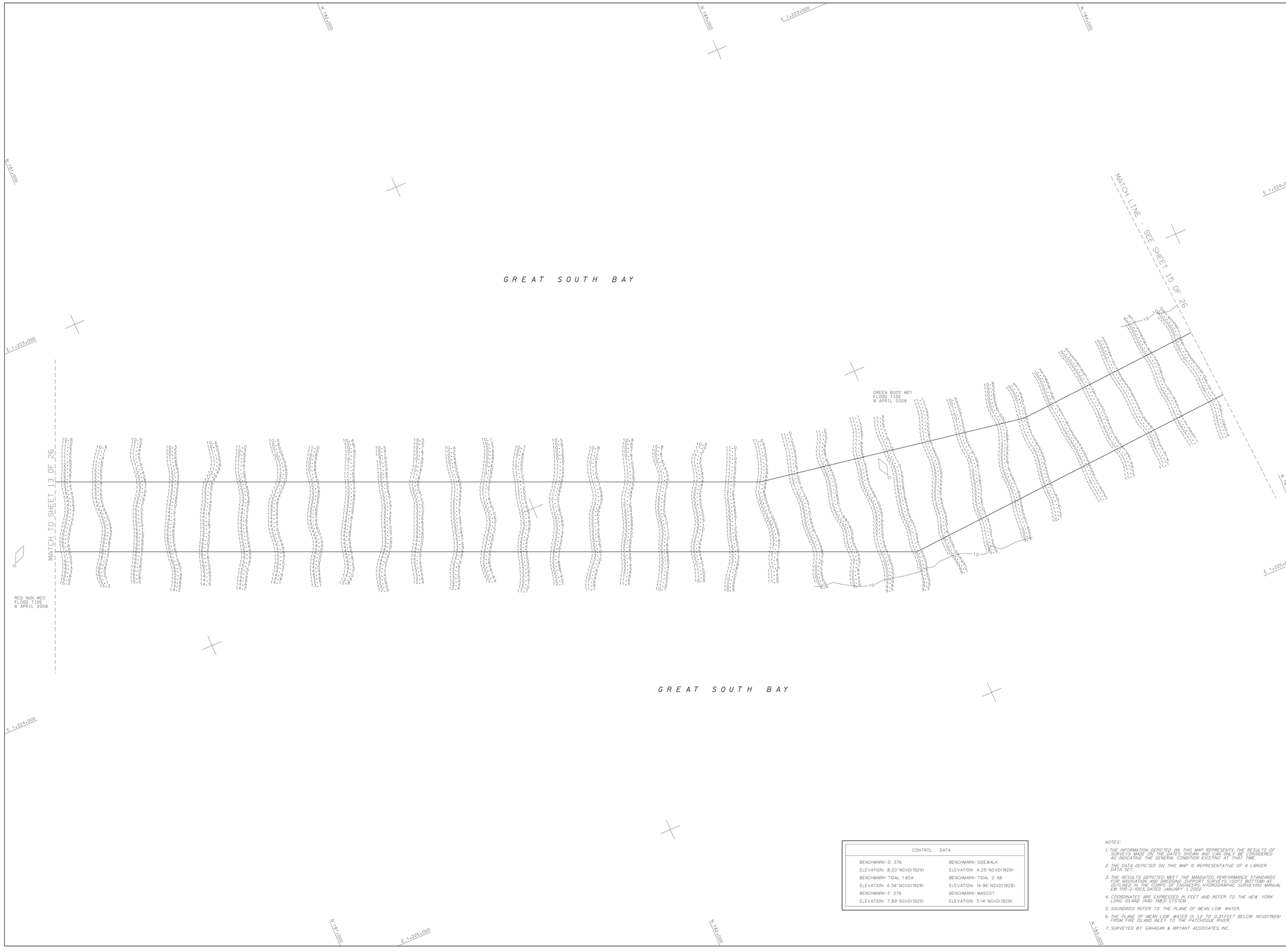
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

VH–113

SHEET 13 OF 26

88
3201



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1 65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' NGVD(1929)

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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.
2001 JEFFERSON DAVIS HWY., SUITE 10
ARLINGTON, VA 22202
WILMINGTON, DELAWARE 19807-1160
(703) 684-0500 FAX (703) 684-0508
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 – 10 APRIL 2008

FILE NO.: 88
PAGE: VOL.1 109

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
YX-02-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR
APPROVED: P. RACINE
PROJECT MANAGER
APPROVED: WAM III
CHIEF CARTOGRAPHER
APPROVED: C. POSTIGLIONE
CHIEF, SURVEY SECTION
DATE: 4 MAY 2008

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH–114

SHEET 14 OF 26

88
3201

CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 165A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' NGVD(1929)

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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
ENGINEERS ★ SURVEYORS
GAHAGAN & BRYANT ASSOCIATES, INC.
3400 PENNSYLVANIA AVENUE, SUITE 10
PO BOX 1564
WILMINGTON, DELAWARE 19807-1564
(302) 655-1105 FAX (302) 655-1106
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 – 10 APRIL 2008

FILE NO.: 88
SHEET NO.: 15 OF 26

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
YX-02-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR
APPROVED: P. RACINE
PROJECT MANAGER
APPROVED: WILM II
LOC CARTOGRAPHER
APPROVED: C. POSTOLONE
CHIEF, SURVEY
DATE: 4 MAY 2008

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

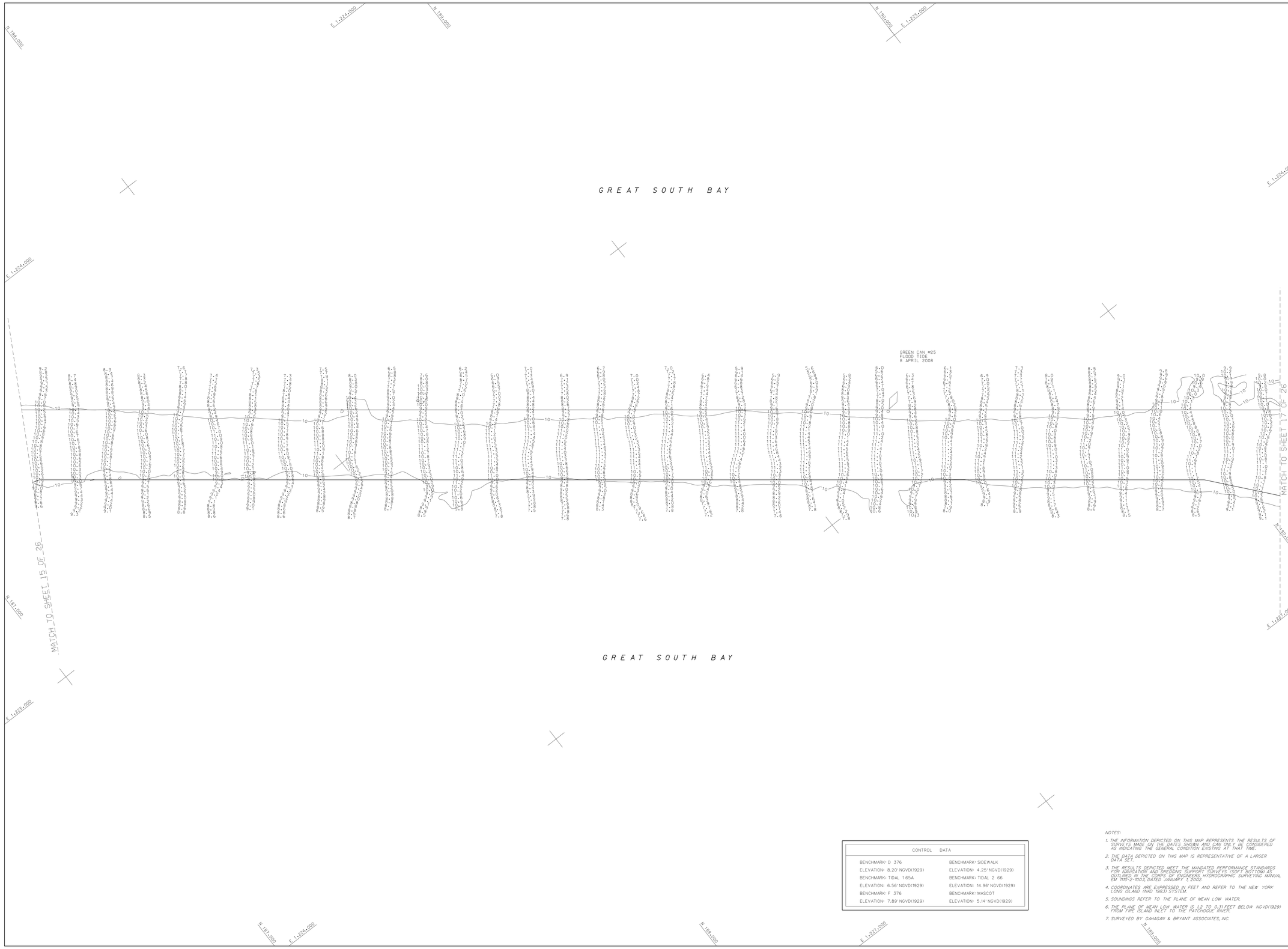
VH–115

SHEET 15 OF 26

88
3201

CORPS OF ENGINEERS

U. S. ARMY



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 165A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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 NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
ENGINEERS ★ SURVEYORS
GAHAGAN & BRYANT ASSOCIATES, INC.
DATA ANALYSIS INC.
1 CHURCH STREET, SUITE 10
WILMINGTON, DELAWARE 19801-1165
(302) 656-1296 FAX (302) 656-1928
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 – 10 APRIL 2008

FILE NO.: 88
FIELD BOOK: 3201

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
YX-02-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR

APPROVED: P. RACINE
PROJECT MANAGER

APPROVED: WAM II
LEAD CARTOGRAPHER

APPROVED: C. POSTIGLIONE
CHIEF, SURVEY

DATE: 6 MAY 2008

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

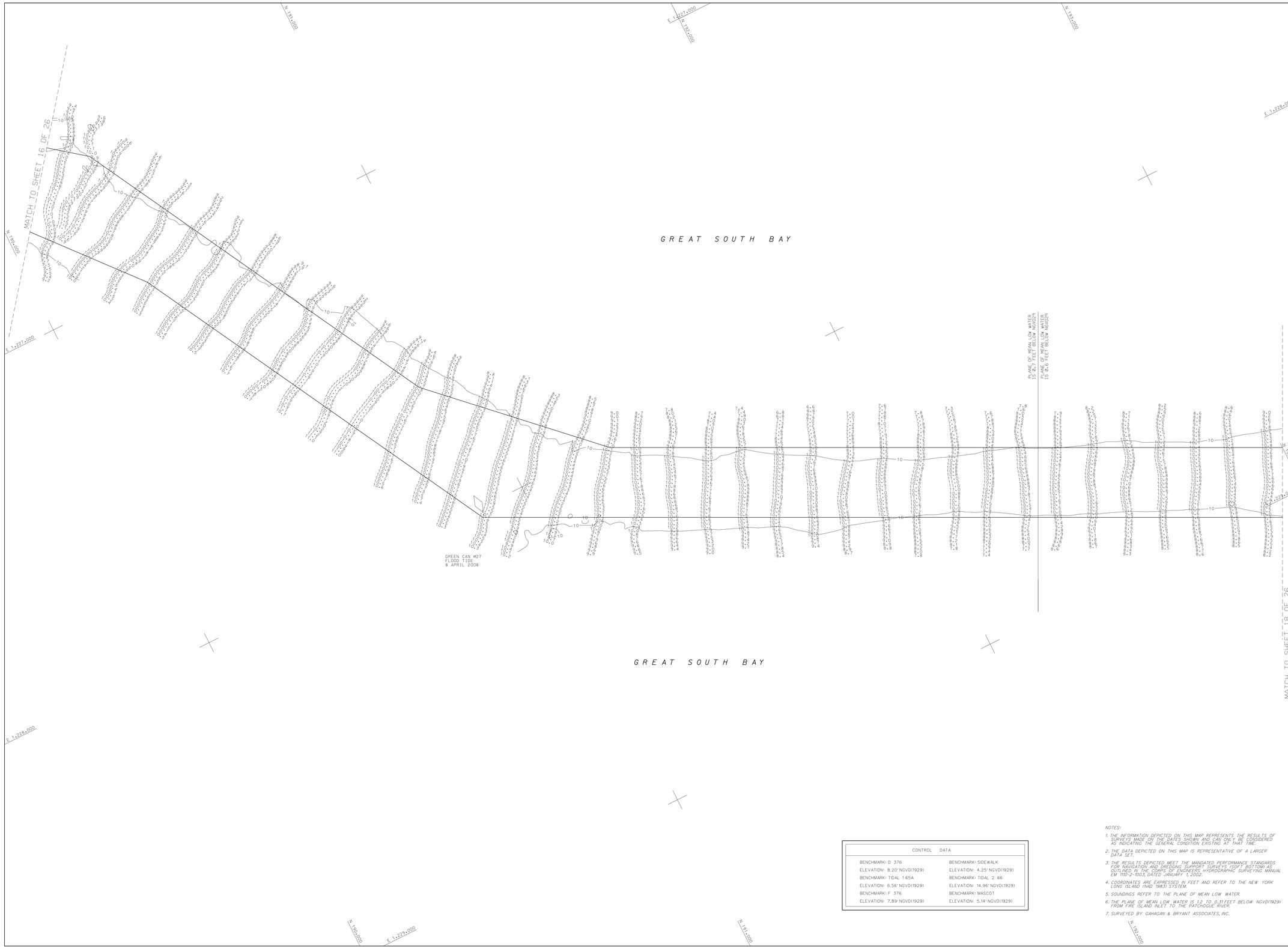
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

VH–116

SHEET 16 OF 26

88
3201



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1 65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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 (50FT 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 NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
ENGINEERS ★ SURVEYORS
GAHAGAN & BRYANT ASSOCIATES, INC.
3400 PINE ST. PHL, SUITE 15
PHILADELPHIA, PENNSYLVANIA 19104
WILMINGTON, DELAWARE 19807-1700
(302) 652-1160 FAX (302) 652-1200
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 - 10 APRIL 2008

FILE NO.: 188
PLANE NO.: 1 100

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
YK-92-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR
APPROVED: P. RACINE
PROJECT MANAGER
APPROVED: WILM II
LEAD CARTOGRAPHER
APPROVED: C. POSTIGLIONE
CHIEF, SURVEY
DATE: 6 MAY 2008

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

VH–117

SHEET 17 OF 26

88
3201

CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1 65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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 NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
ENGINEERS ★ SURVEYORS
GAHAGAN & BRYANT ASSOCIATES, INC.
DATA ANALYSIS INC.
1000 CENTRAL PARK AVE., SUITE 15
YONKERS, NEW YORK 10704
WILMINGTON, DELAWARE 19807-1705
(302) 652-1152 FAX (302) 652-6928
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 – 10 APRIL 2008

FILE NO.: 88
PAGE: VOL. 100

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
YX-02-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
SURVEY SUPERVISOR

APPROVED: P. RACINE
PROJECT MANAGER

APPROVED: WAM II
CADD TECHNICIAN

APPROVED: C. POSTIGLIONE
CHIEF, SURVEY

DATE: 4 MAY 2008

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

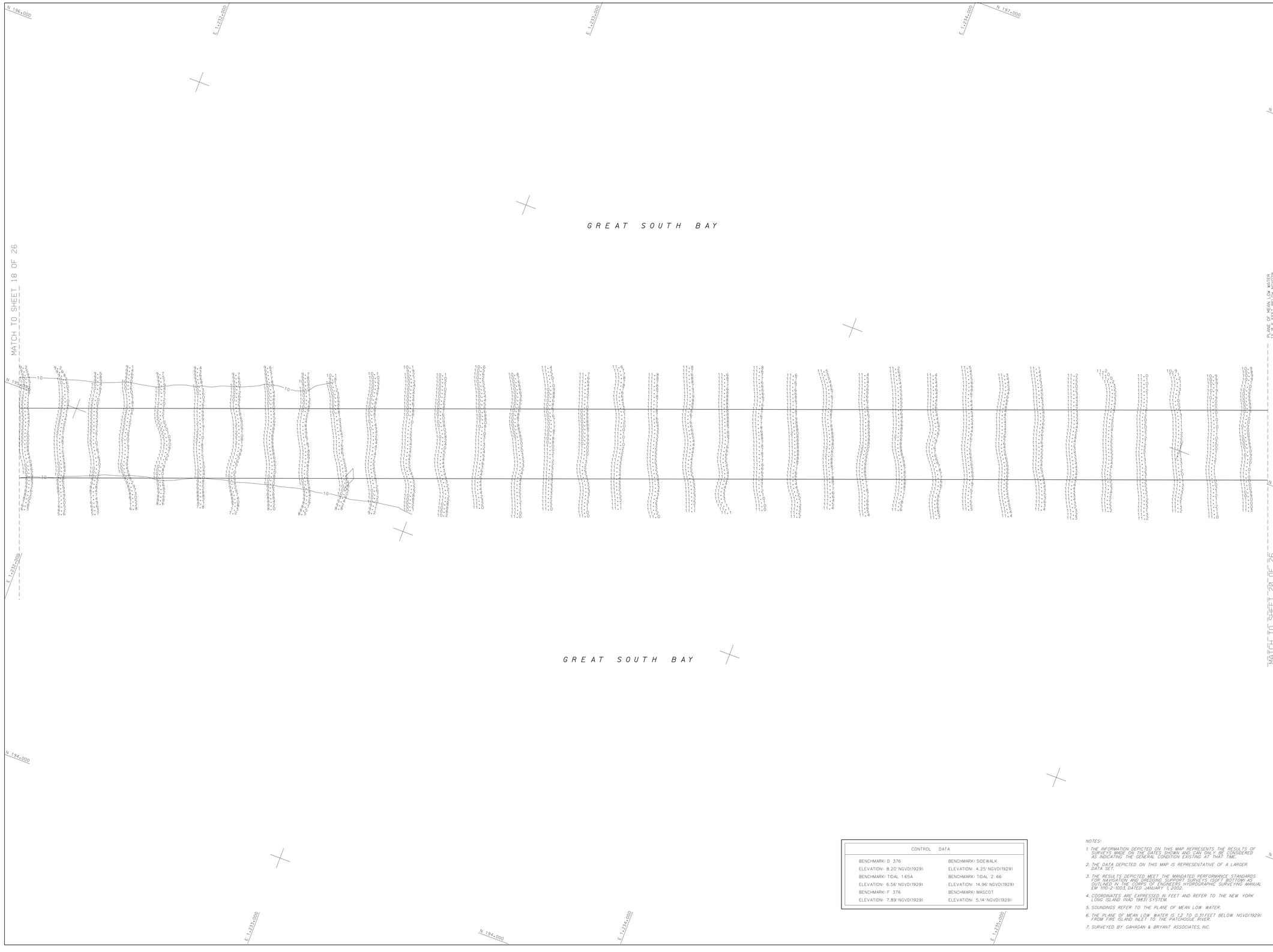
GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH–118

SHEET 18 OF 26

88
3201



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1 65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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 NEW YORK LONG ISLAND NAD 1983 SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
GAHAGAN & BRYANT ASSOCIATES, INC.
ENGINEERS ★ SURVEYORS
3400 PENNSYLVANIA AVE., SUITE 10
PO BOX 1000
WILMINGTON, DELAWARE 19807-1000
(302) 655-1105 FAX (302) 655-9628
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 – 10 APRIL 2008

FILE NO.: 88
SHEET NO.: 19 OF 26

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
YX-92-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR
APPROVED: P. RACINE
PROJECT MANAGER
APPROVED: WAM II
LEAD CARTOGRAPHER
APPROVED: C. POSITO, LCDR
CHIEF, SURVEY BRANCH
DATE: 2 MAY 2008

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

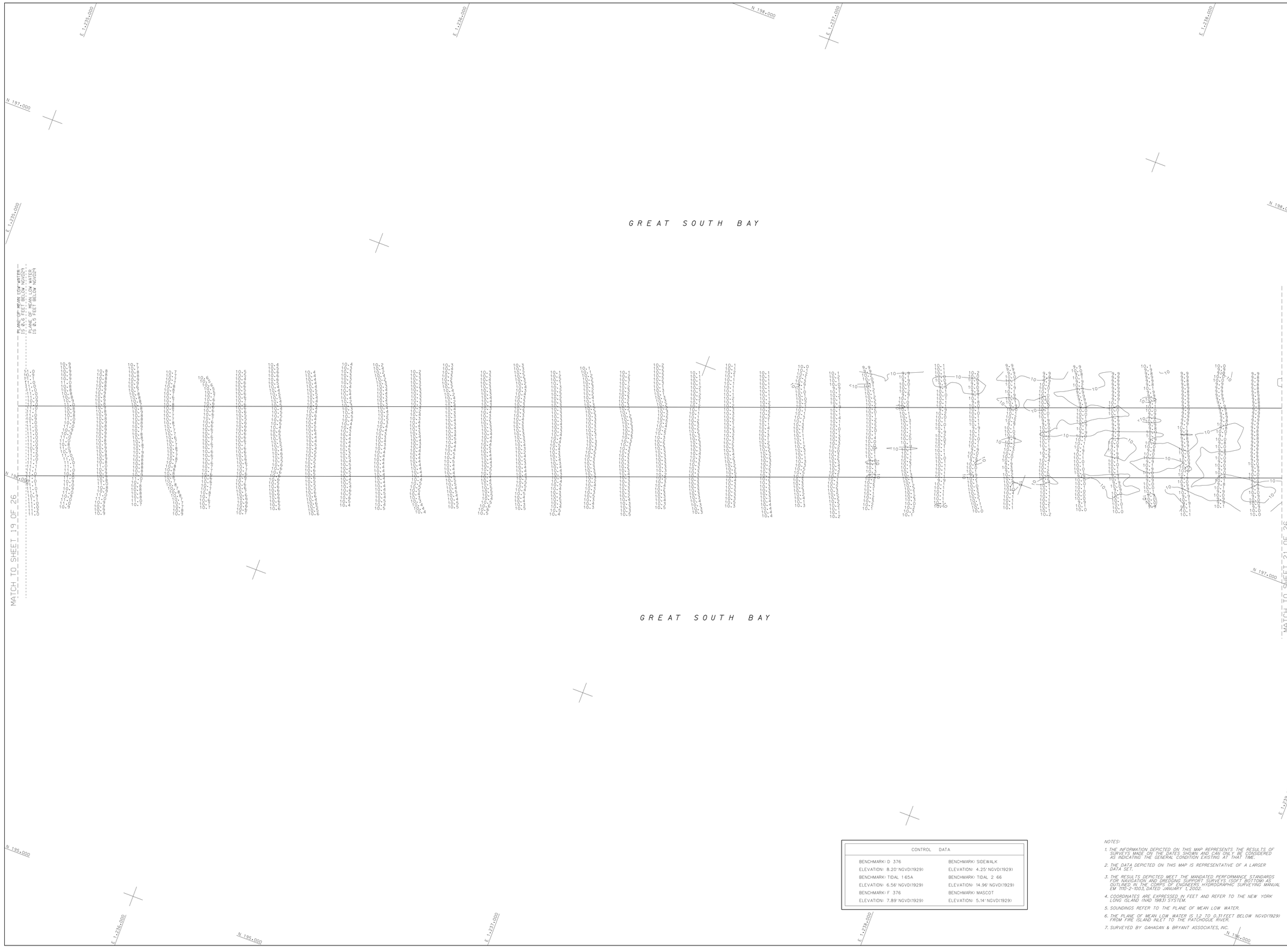
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

VH-119

SHEET 19 OF 26

88
3201



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1 65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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.
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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 NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
ENGINEERS ★ SURVEYORS
GAHAGAN & BRYANT ASSOCIATES, INC.
DATA PLANT PT. PKL. SUITE 10
1000 PENNSYLVANIA AVENUE
WILMINGTON, DELAWARE 19810-1765
(302) 475-1365 FAX (302) 475-1366
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 - 10 APRIL 2008

FILE NO.: 88
FIELD BOOK: 3201

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
YV-92-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR
APPROVED: P. RACINE
PROJECT MANAGER
APPROVED: WAM II
LEAD CARTOGRAPHER
APPROVED: C. POSTIGLIONE
CHIEF, SURVEY
DATE: 6 MAY 2008

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

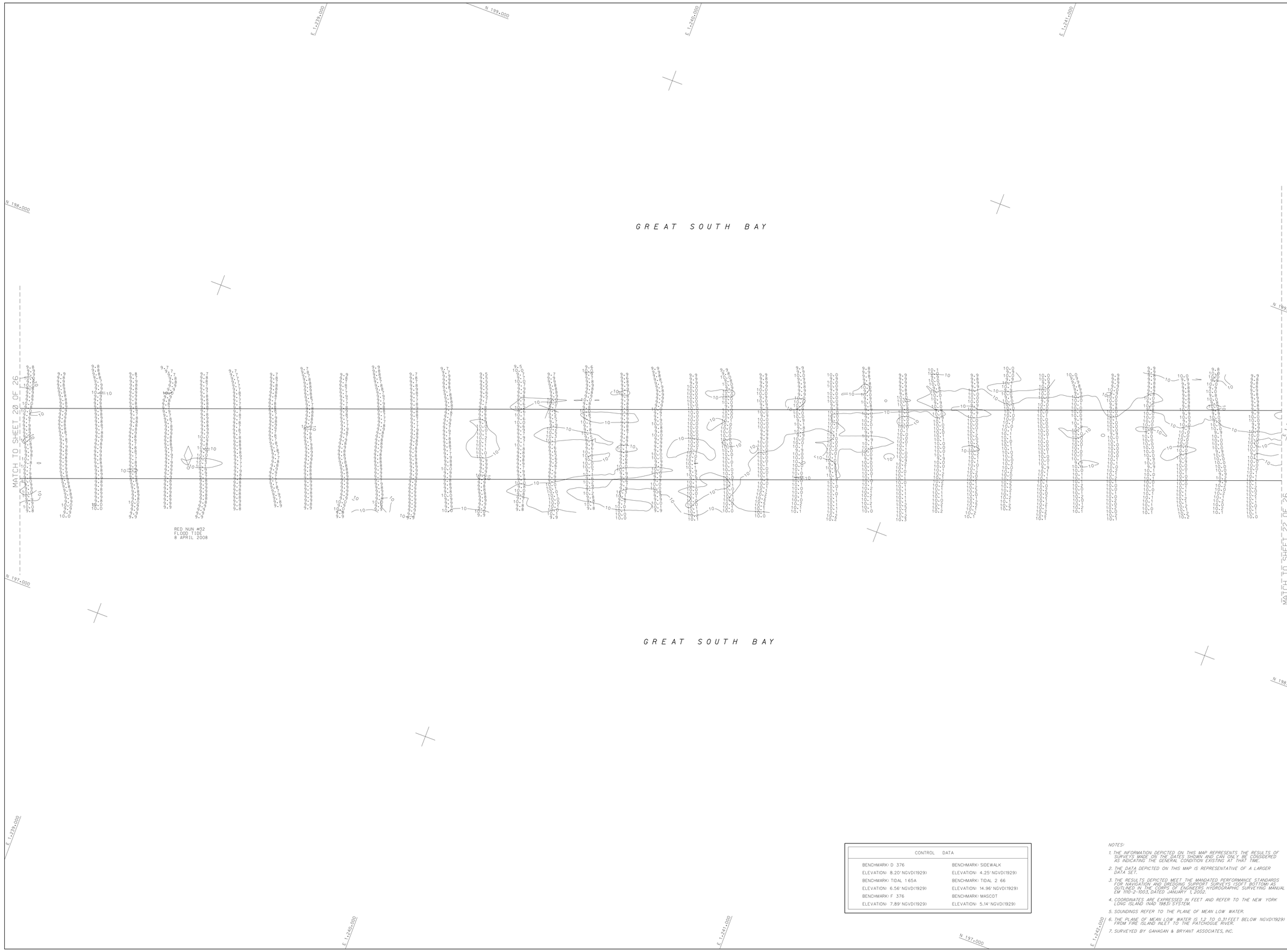
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

VH-120

SHEET 20 OF 26

88
3201



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1 65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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 NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.3 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
ENGINEERS ★ SURVEYORS
GAHAGAN & BRYANT ASSOCIATES, INC.
3400 PINE ST. PKWY., SUITE 10
FAIRFAX, VIRGINIA 22030
WILMINGTON, DELAWARE 19810-1165
(302) 478-4160 FAX (302) 478-4165
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 - 10 APRIL 2008

FILE NO.: 88
REEL: VOL1 109

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
YX-92-2008

APPROVED: GAHAGAN & BRYANT ASSOC. INC.
LICENSED SURVEYOR
APPROVED: P. RACINE
PROJECT MANAGER
APPROVED: MAM II
CADD SUPERVISOR
APPROVED: C. POSTIGLIONE
CHIEF, SURVEY BRANCH
DATE: 4 MAY 2008

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

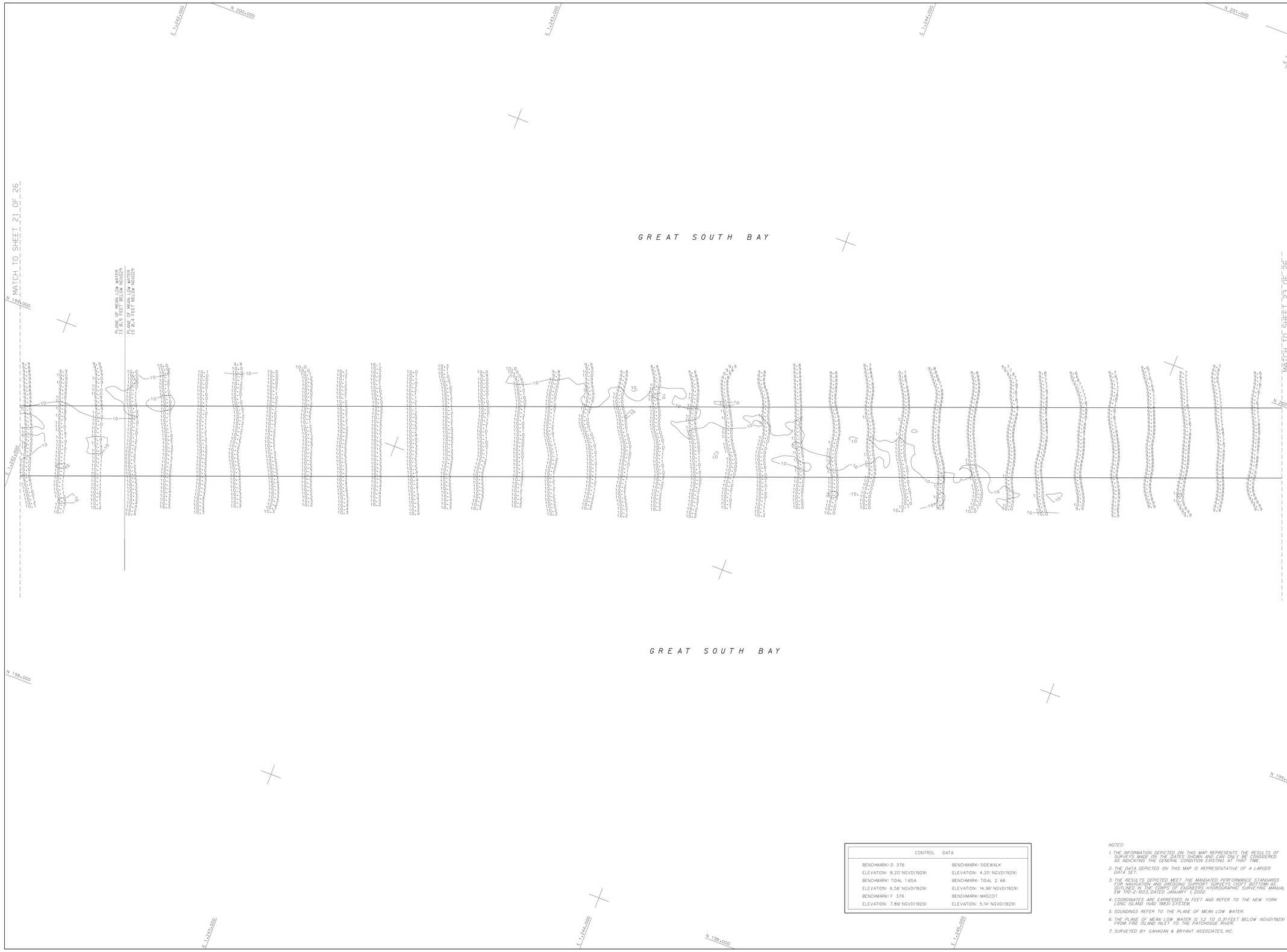
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

VH-121

SHEET 21 OF 26

88
3201



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 165A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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 NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

GBA ENGINEERS ★ SURVEYORS
GAHAGAN & BRYANT ASSOCIATES, INC.
5400 JONES ST. PKWY., SUITE 10
CORPORATE PLAZA
WILMINGTON, DELAWARE 19803-1165
(302) 478-5000 FAX (302) 478-5028
WILMINGTON@GBA-INC.COM

DATES OF SURVEY: 3 – 10 APRIL 2008

FILE NO.: 88
REEL: VOL: 109

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: YX-92-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC. LICENSED SURVEYOR
APPROVED: P. RACINE PROJECT MANAGER
APPROVED: WAM II LEAD CARTOGRAPHER
APPROVED: C. POSTIGLIONE CHIEF, SURVEY
DATE: 4 MAY 2008

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

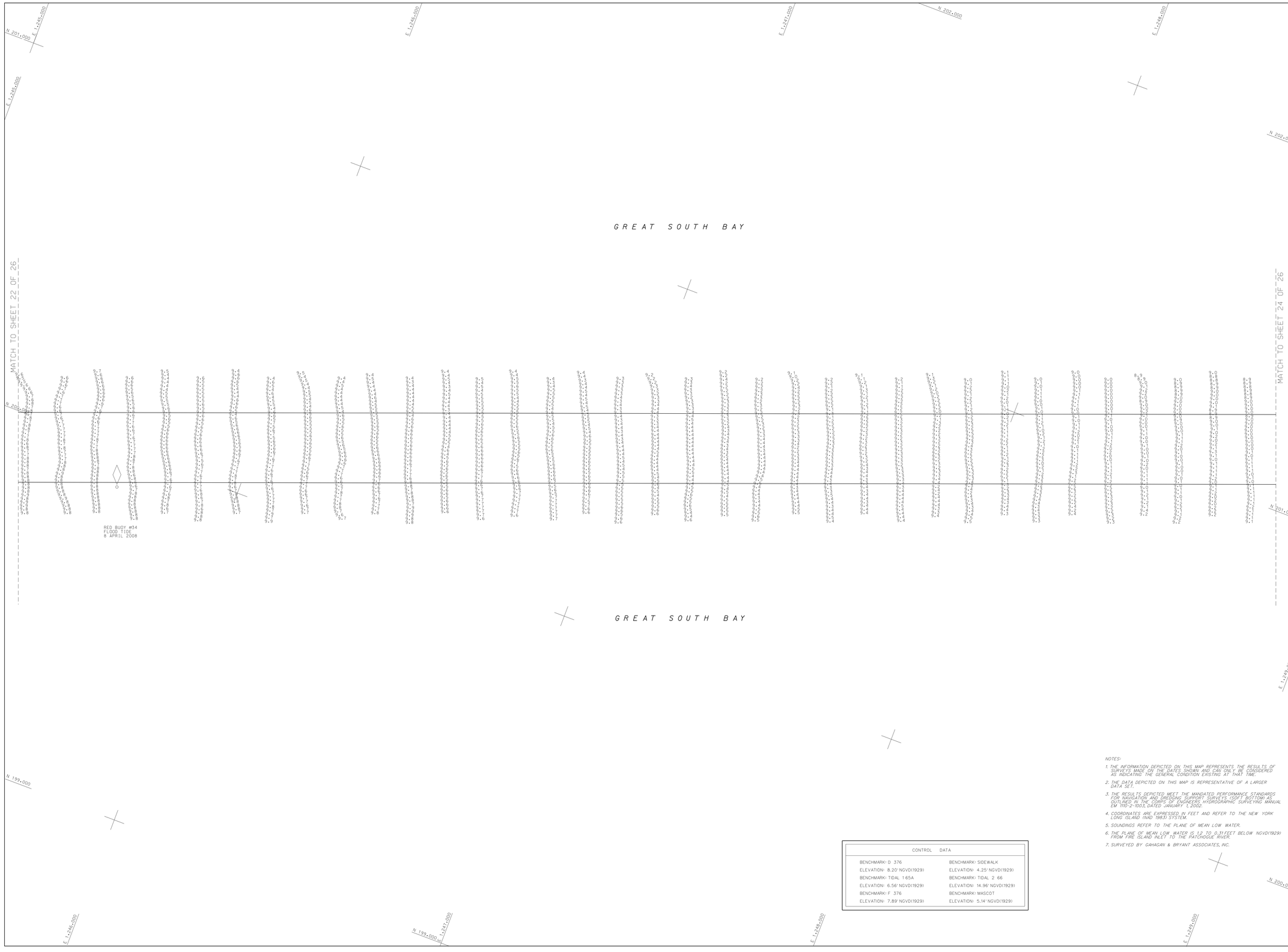
VH–122

SHEET 22 OF 26

88
3201

CORPS OF ENGINEERS

U. S. ARMY



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 NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1 65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' NGVD(1929)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
ENGINEERS ★ SURVEYORS
GAHAGAN & BRYANT ASSOCIATES, INC.
3400 PINE ST. PHL, SUITE 10
PHILADELPHIA, PENNSYLVANIA 19104
WILMINGTON, DELAWARE, 19810-1105
(302) 478-7570 FAX (302) 478-7575
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 – 10 APRIL 2008

FILE NO.: 88
SHEET NO.: 23

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
YK-92-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR

APPROVED: P. RACINE
PROJECT MANAGER

APPROVED: WAM III
CHIEF CARTOGRAPHER

APPROVED: C. POSTIGLIONE
CHIEF, SURVEY SECTION

DATE: 4 MAY 2008

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

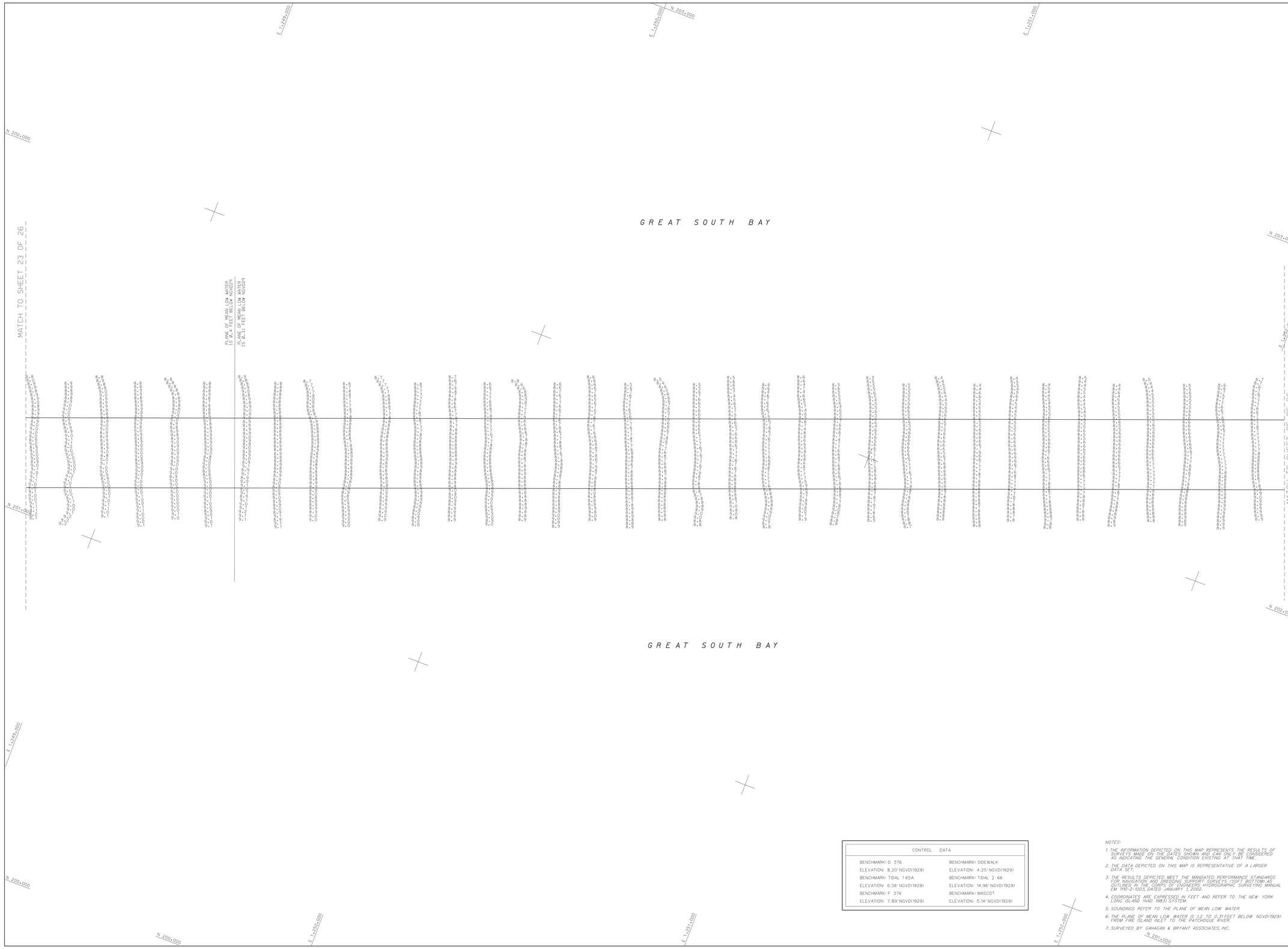
GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-123

SHEET 23 OF 26

88
3201



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1 65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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.
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4. COORDINATES ARE EXPRESSED IN FEET AND REFER TO THE NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
GAHAGAN & BRYANT ASSOCIATES
ENGINEERS ★ SURVEYORS
5400 JONES BR. PKWY., SUITE 15
PLANTATION, FLORIDA 33317
WILMINGTON, DELAWARE 19810-1165
(302) 475-1365 FAX (302) 475-1366
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 – 10 APRIL 2008

SCALE:
ONE INCH = 100 FEET

FILE NO.: 88
PAGE: VOL. 109

FIELD BOOKS:
YX-92-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR
APPROVED: P. RACINE
PROJECT MANAGER
APPROVED: WAM II
CHIEF CARTOGRAPHER
APPROVED: C. POSTIGLIONE
CHIEF, SURVEY
DATE: 4 MAY 2008

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

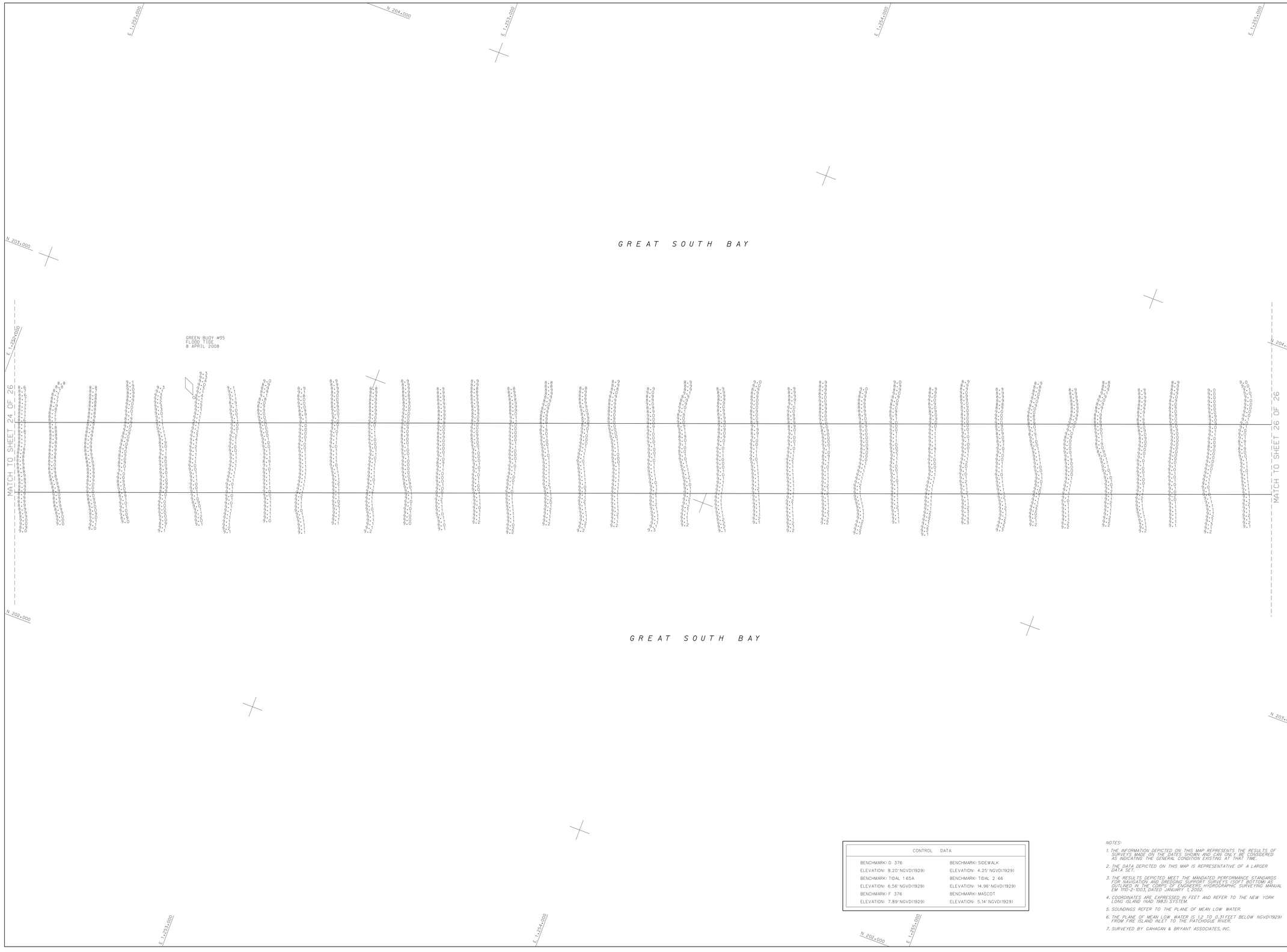
VH–124

SHEET 24 OF 26

88
3201

CORPS OF ENGINEERS

U. S. ARMY



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 165A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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 NEW YORK LONG ISLAND (NAD 1983) SYSTEM.
5. SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.
6. THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.
7. SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

GBA
ENGINEERS ★ SURVEYORS
GAHAGAN & BRYANT ASSOCIATES, INC.
SAGG JUNCTION PROFESSIONAL CENTER
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(302) 655-1814 FAX (302) 655-1815
WILMINGTON@GBA-INC.COM

DATES OF SURVEY:
3 – 10 APRIL 2008

FILE NO.: 88
PAGE: VOL.1 109

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
YX-92-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR
APPROVED: P. RACINE
PROJECT MANAGER
APPROVED: WAM III
CHIEF CARTOGRAPHER
APPROVED: C. POSTIGLIONE
CHIEF, SURVEY
DATE: 6 MAY 2008

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

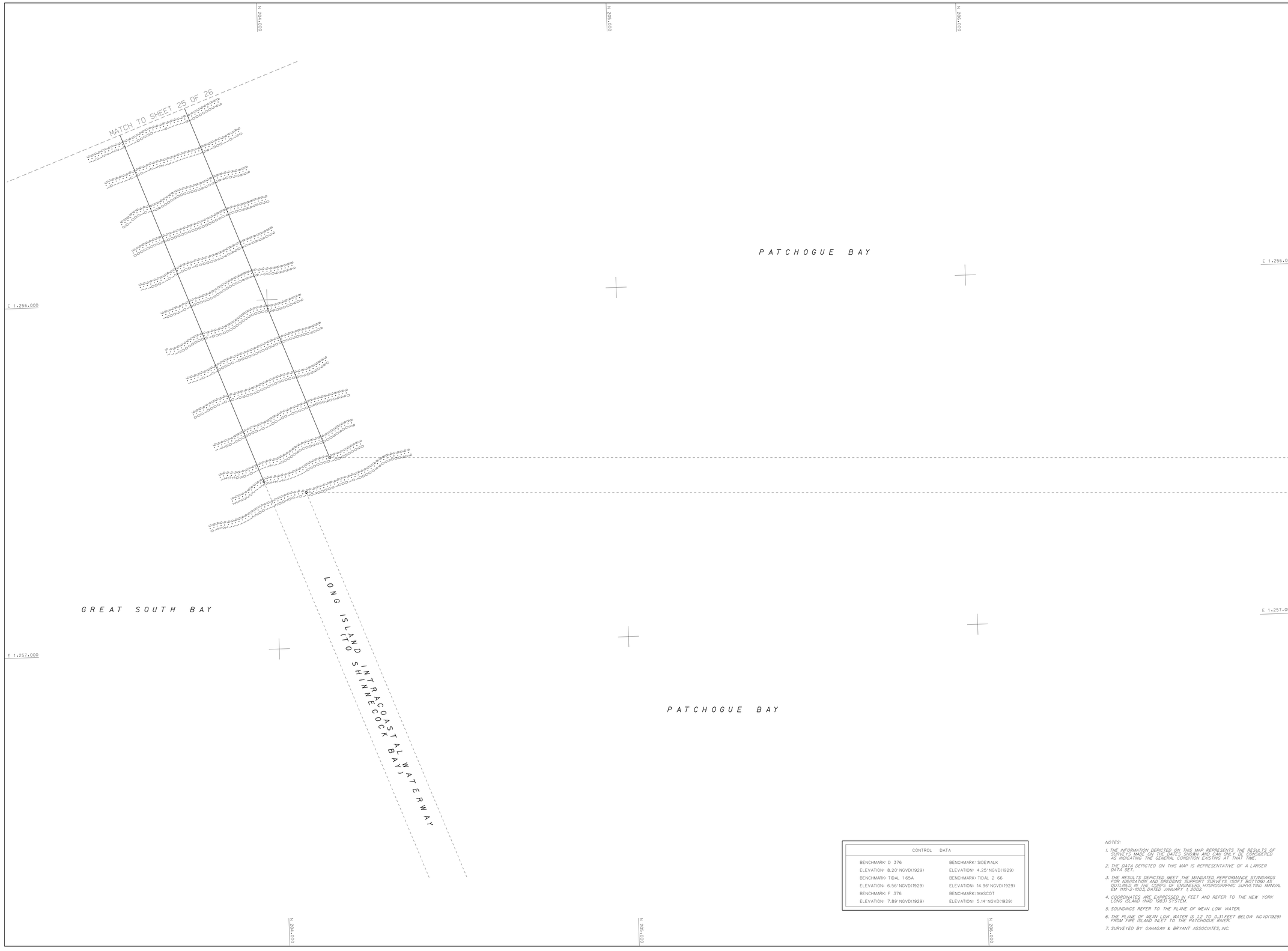
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

VH-125

SHEET 25 OF 26

88
3201



CONTROL DATA	
BENCHMARK: D 376	BENCHMARK: SIDEWALK
ELEVATION: 8.20' NGVD(1929)	ELEVATION: 4.25' NGVD(1929)
BENCHMARK: TIDAL 1 65A	BENCHMARK: TIDAL 2 66
ELEVATION: 6.56' NGVD(1929)	ELEVATION: 14.96' NGVD(1929)
BENCHMARK: F 376	BENCHMARK: MASCOT
ELEVATION: 7.89' NGVD(1929)	ELEVATION: 5.14' 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 (50FT 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 NEW YORK LONG ISLAND (NAD 1983) SYSTEM.*
5. *SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER.*
6. *THE PLANE OF MEAN LOW WATER IS 1.2 TO 0.31 FEET BELOW NGVD(1929) FROM FIRE ISLAND INLET TO THE PATCHOGUE RIVER.*
7. *SURVEYED BY GAHAGAN & BRYANT ASSOCIATES, INC.*

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

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(310) 830-6501 FAX (310) 830-9128
WILMINGTON@GBA-NC.COM

DATES OF SURVEY:
3 – 10 APRIL 2008

FILE NO.: 188
PROJ. NO.: 8100

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
YZ-92-2008

APPROVED: GAHAGAN & BRYANT ASSOC., INC.
LICENSED SURVEYOR
APPROVED: P. RACINE
PROJECT MANAGER
APPROVED: WAM II
LEAD CARTOGRAPHER
APPROVED: C. POSTIGLIONE
CHIEF, SURVEY SECTION
DATE: 4 MAY 2008

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

VH–126

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3201