



PROJECT SPECIFIC NOTES:

- COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983/2011, NEW YORK, LONG ISLAND LAMBERT US SURVEY FEET.
- THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS THE GENERAL CONDITIONS EXISTING AT THAT TIME.
- THE SOUNDINGS ON THIS MAP MEET EM 1110-2-1003 ACCURACY STANDARDS.
- SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) [EPOCH 1983-2001].
- MEAN LOWER LOW WATER IS 1.9-2.5 FEET BELOW NAVD 88 AS DETERMINED USING HYPACK VOATUM 2017.
- THE SOUNDINGS DEPICTED ON THIS MAP AND SHOWN WITHIN THE FEDERAL CHANNEL LIMITS HAVE BEEN SORTED TO A 25' RADIUS USING CHANNEL PRIORITY. ALL OTHERS WERE SORTED TO 25' USING THE FULL DATA SET.
- CONTOURS ON THIS MAP WERE GENERATED USING THE MAP DATA SET. PROJECT DEPTH IS 20 FEET.
- THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING LOCAL CONTROL ESTABLISHED BY THE CORPS OF ENGINEERS.
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.
- THE SURVEY WAS CONDUCTED BY MCKIM & CREED USING THE FOLLOWING:
SURVEY VESSELS: SV SOUNDS DEEP
ECHOSOUNDERS: SINGLE BEAM ODOM CVM 200KHZ
NAVIGATION SYSTEMS: INTEGRATED J2NS INERTIA SYSTEM, IN REAL TIME KINEMATIC (RTK)MODE.
SURVEY ACQUISITION SOFTWARE: HYPACK VERSION 2017A
SURVEY PROCESSING SOFTWARE: HYPACK SINGLE BEAM EDITOR VERSION 2017A
SIDE-SCAN SONARS: EDGE TECH 4125 SIDE-SCAN SONAR
CTD CAST WERE TAKEN DURING ACQUISITION FOR ACCURATE SPEED OF SOUND PROFILES
USING AN ODOM DIGI BAR SOUND VELOCITY PROBE.
- THE INFORMATION PRESENTED ON THIS DRAWING REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY MCKIM & CREED ON MARCH 27-APRIL 02, 2018 AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME. BECAUSE THESE CONDITIONS ARE SUBJECT TO RAPID CHANGE DUE TO SHOALING EVENTS, A PRUDENT MARINER SHOULD NOT RELY EXCLUSIVELY ON THE INFORMATION PROVIDED HERE. REUSE OF THIS INFORMATION BY CLIENT OR OTHERS BEYOND THE SPECIFIC SCOPE OF WORK FOR WHICH IT WAS ACQUIRED SHALL BE AT THE SOLE RISK OF THE USER AND WITHOUT LIABILITY TO MCKIM & CREED.
- A SIDE-SCAN SURVEY WAS PERFORMED WITHIN THE FEDERAL CHANNEL LIMITS USING A EDGE TECH 4125 SIDE-SCAN SONAR WITH THE CONTACTS SHOWN ON MAP.
- UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.
- THIS MAP WAS PREPARED IN ACCORDANCE WITH THE CURRENT EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS, INC.
- REPRODUCTION OR COPYING OF THIS DOCUMENT MAY BE A VIOLATION OF COPYRIGHT LAW UNLESS PERMISSION OF THE AUTHOR AND/OR COPYRIGHT HOLDER IS OBTAINED.
- A COPY OF THIS DOCUMENT WITHOUT A PROPER APPLICATION OF THE SURVEYOR'S EMBOSSED OR RED ELECTRONIC SEAL SHOULD BE ASSUMED TO BE AN UNAUTHORIZED COPY.

A T L A N T I C O C E A N

W O S I B E A C H

S O U T H A M P T O N B E A C H

S H I N N E C C O C K B A Y

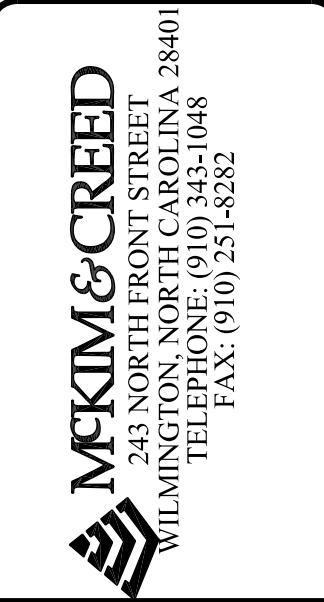
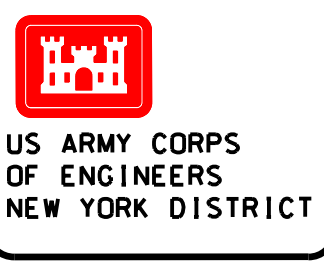
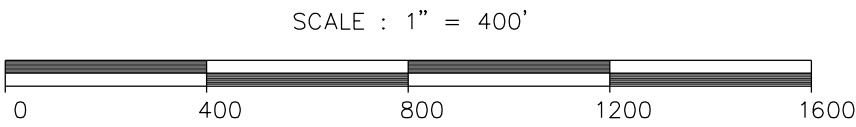
SHEET 3

SHEET 2

USCG NY2
PID#BBDC31
N=252665.51
E=1398268.31
Z=5.39

NSRS/NGS CONTROL DATA			
BENCHMARK:	851 2354F	PID#	BBDC81
ELEVATION:	2.90' NAVD 88	NORTHING	250,001.74
STAMPED:	2354 F 2013	EASTING	1,405,099.57

LOCAL CONTROL DATA			
BENCHMARK:	USCG NY 2	PID#	BBDC31
ELEVATION:	5.39' NAVD 88	NORTHING	252,665.51
STAMPED:	USCG NY 2 2013	EASTING	1,398,268.31



DATES OF SURVEY:	
MARCH 27	APRIL 02, 2018
FILE NO.:	60
REQUEST NO.:	4676

SCALE:	ONE INCH = 200 FEET
FIELD BOOKS:	

APPROVED:	RAYMOND B. DAMBER	DATE:	APRIL 16, 2018
APPROVED:	P. SMITH		
APPROVED:	D. CLARKE		
APPROVED:	F. POSITILLONE		

DEPARTMENT OF THE ARMY NEW YORK DISTRICT NEW YORK, NEW YORK 10278	OPERATIONS DIVISION SURVEY SECTION CEMAN-OP-S
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HYDROGRAPHIC SURVEY
OF
SHINNECOCK INLET
NEW YORK

VH-101

SHEET 1 OF 3



GRID NORTH NAD 83/2011

E 1,404,000

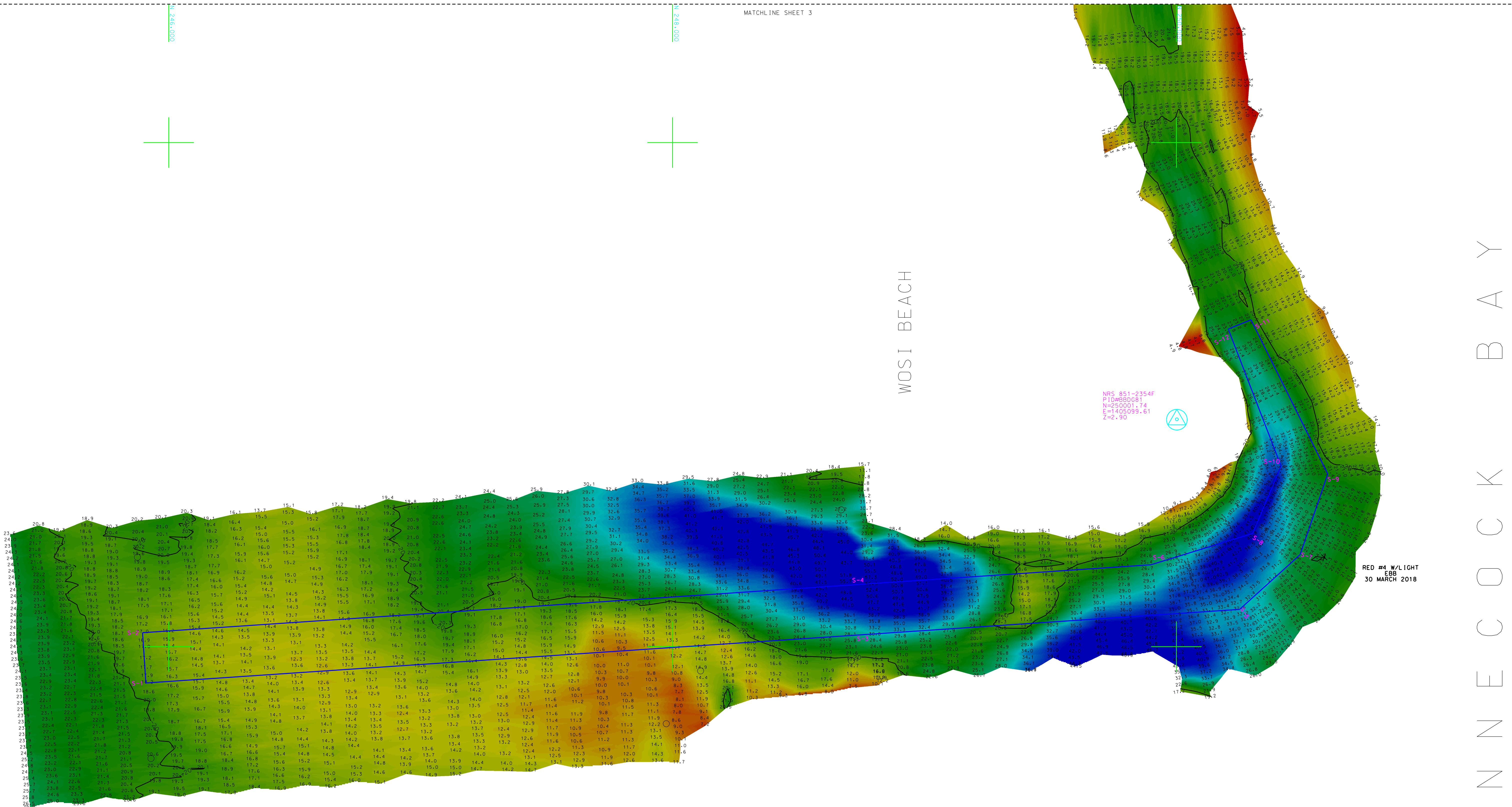
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E 1,406,000

E 1,406,000

E 1,408,000

E 1,408,000

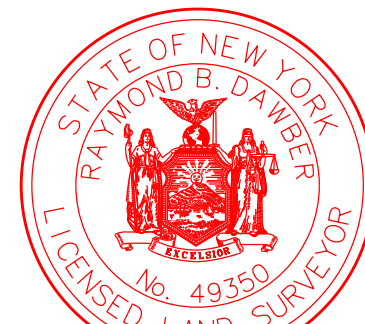


PROJECT SPECIFIC NOTES:

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- MEAN LOWER LOW WATER IS 1.9-2.5 FEET BELOW NAVD 88 AS DETERMINED USING HYPACK VDUTUM 2017.
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- THIS SURVEY WAS PERFORMED USING LOCAL CONTROL, ESTABLISHED BY THE CORPS OF ENGINEERS.
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.
- THE SURVEY WAS CONDUCTED BY MCKIM & CREED USING THE FOLLOWING:
SURVEY VESSELS: SV SURGE DEEP
NAVIGATION SYSTEMS: INTEGRATED IZWS INERTIA SYSTEM, IN REAL TIME KINEMATIC (RTK) MODE.
ECHOSOUNDER: SINGLE BEAM ODOM CVM 200KHZ.
SURVEY ACQUISITION SOFTWARE: HYPACK VERSION 2017A
SURVEY PROCESSING SOFTWARE: HYPACK SINGLE BEAM EDITOR VERSION 2017A
SURVEY SIDE-SCAN SONAR: EDGE TECH 4125 SIDE-SCAN SONAR
CTD CAST WERE TAKEN DURING ACQUISITION FOR ACCURATE SPEED OF SOUND PROFILES USING AN ODOM OIGI BAR SOUND VELOCITY PROBE.
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NSRS/NGS CONTROL DATA			
BENCHMARK: 851 2354F	PID# BBDG81	NORTHING	EASTING
ELEVATION: 2.90' NAVD 88		250,001.74	1,405,099.57
STAMPED: 2354 F 2013			

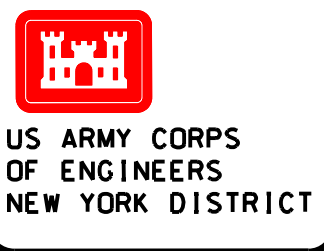
LOCAL CONTROL DATA			
BENCHMARK: USCG NY 2	PID# BBDC31	NORTHING	EASTING
ELEVATION: 5.39' NAVD 88		252,665.51	1,398,268.31
STAMPED: USCG NY 2 2013			

SCALE : 1" = 200'
0 200 400 600 800DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK - NEW YORK 10278
OPERATIONS DIVISION
SURVEY SECTION
CEMAN-OP-SHYDROGRAPHIC SURVEY
OF
SHINNECOCK INLET
NEW YORK

VH-102

SHEET 2 OF 3

FILE NO.: 1 60
REQUEST NO.: 4676DATES OF SURVEY:
MARCH 27 - APRIL 02, 2018
FILE NO.: 1 60
REQUEST NO.: 4676SCALE:
ONE INCH = 200 FEET
FIELD BOOKS:APPROVED: _____
PROJECT MANAGER
APPROVED: _____
DATE: APRIL 16, 2018APPROVED: _____
PROJECT MANAGER
APPROVED: _____
DATE: APRIL 16, 2018APPROVED: _____
PROJECT MANAGER
APPROVED: _____
DATE: APRIL 16, 2018FILE NO.: 1 60
REQUEST NO.: 4676MCKIM & CREED
343 NORTH FRONT STREET
WILMINGTON, NORTH CAROLINA 28401
TEL: (910) 254-4383
FAX: (910) 254-4382DATES OF SURVEY:
MARCH 27 - APRIL 02, 2018
FILE NO.: 1 60
REQUEST NO.: 4676SCALE:
ONE INCH = 200 FEET
FIELD BOOKS:APPROVED: _____
PROJECT MANAGER
APPROVED: _____
DATE: APRIL 16, 2018APPROVED: _____
PROJECT MANAGER
APPROVED: _____
DATE: APRIL 16, 2018APPROVED: _____
PROJECT MANAGER
APPROVED: _____
DATE: APRIL 16, 2018FILE NO.: 1 60
REQUEST NO.: 4676



MCKIM & CREED
343 NORTH FRONT STREET
WILMINGTON, NORTH CAROLINA 28401
TEL: 910.254.4348
FAX: 910.254.4382

DATES OF SURVEY:
MARCH 27-APRIL 02, 2018
FILE NO.: 60
REQUEST NO.: 4676

SCALE:
ONE INCH = 200 FEET
FIELD BOOKS:

APPROVED: RAYMOND B. DABBER
CHIEF OF DISTRICT
APPROVED: R. SMITH
PROJECT MANAGER
APPROVED: D. CLARKE
YEAR VARIATION
DATE: APRIL 16, 2018

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK - NEW YORK 10278
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

HYDROGRAPHIC SURVEY
OF
SHINNECOCK INLET
NEW YORK

VH-103

SHEET 3 OF 3

FILE NO.: 60
REQUEST NO.: 4676

N 250,000

N 250,000

N 250,000

E 1,400,000

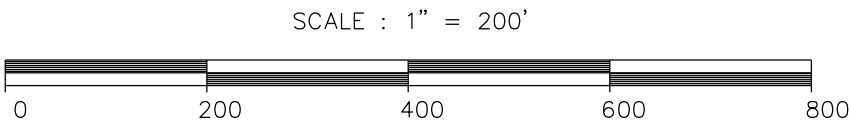
E 1,400,000

E 1,402,000

E 1,402,000

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NSRS/NGS CONTROL DATA			
BENCHMARK:	851 2354F	PID# BBDC81	NORTHING EASTING
ELEVATION:	250.00174		1,405,099.57
STAMPED:	2354 F 2013		
LOCAL CONTROL DATA			
BENCHMARK:	USCG NY 2	PID# BBDC31	NORTHING EASTING
ELEVATION:	5.39' NAVD 88		252,665.51 1,398,268.31
STAMPED:	USCG NY 2 2013		



MATCHLINE SHEET 2

