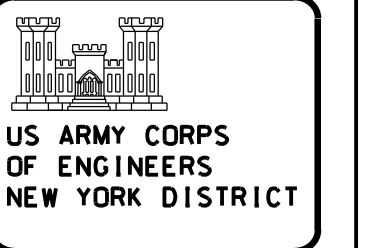


CONTROL DATA	
BENCHMARK:	SIMPSON 2 (KV0709)
ELEVATION:	6.92' NAVD 1988

NOTE:  
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED THE GENERAL CONDITIONS EXISTING AT THAT TIME.  
 COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM NAD 1983.  
 SOUNDINGS REFER TO THE PLANE OF COE MEAN LOW WATER. THE PLANE OF COE MEAN LOW WATER IS 3.5 FEET BELOW NAVD 1988.  
 THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION-GENERAL, AS DEFINED IN EM 1110-2-1003.  
 THE DATA ON THIS MAP REPRESENTS THE CLOSEST SOUNDING TO THE CENTER OF A 30' CELL USING THE COMPLETE DATA SET.  
 THIS SURVEY WAS PERFORMED USING RTK GPS FROM STATION CAVEN POINT & SIMPSON 2 RM 3.  
 THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.



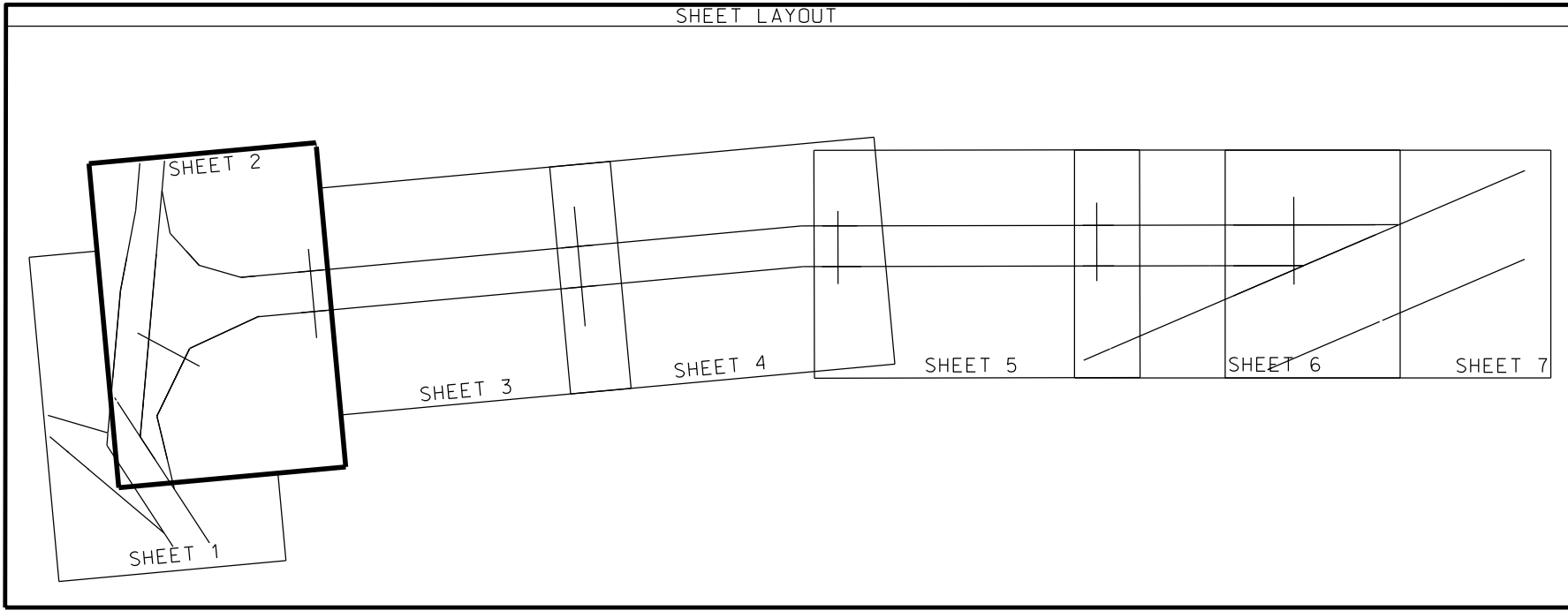
DATES OF SURVEY: 7-8-12-14-19-27 MAR 5 APR 2012		FILE NO.: 63 6025 Net 194 6
SCALE: ONE INCH = 200 FEET		FIELD BOOKS:

DEPARTMENT OF THE ARMY NEW YORK DISTRICT CORPS OF ENGINEERS NEW YORK, NEW YORK 10278		APPROVED: <u>D. SMITH</u> DIST. CHIEF OF STAFF APPROVED: <u>M. FORT</u> DISTRICT MANAGER APPROVED: <u>J. BRAZ</u> DISTRICT MANAGER DATE: APRIL 2012
OPERATIONS DIVISION SURVEY SECTION CENAN-OP-5		APPROVED: <u>J. BRAZ</u> DISTRICT MANAGER DATE: APRIL 2012

DEPARTMENT OF THE ARMY NEW YORK DISTRICT CORPS OF ENGINEERS NEW YORK, NEW YORK 10278		APPROVED: <u>D. SMITH</u> DIST. CHIEF OF STAFF APPROVED: <u>M. FORT</u> DISTRICT MANAGER APPROVED: <u>J. BRAZ</u> DISTRICT MANAGER DATE: APRIL 2012
OPERATIONS DIVISION SURVEY SECTION CENAN-OP-5		APPROVED: <u>J. BRAZ</u> DISTRICT MANAGER DATE: APRIL 2012

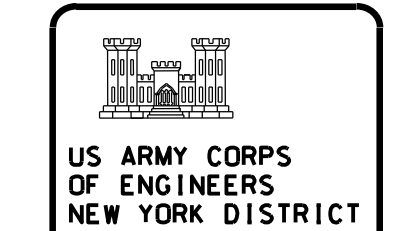
NEW YORK HARBOR, NEW YORK  
 MAIN SHIP CHANNEL  
 CONDITION SURVEY

VH-101  
 SHEET 1 OF 7



CONTROL DATA	
BENCHMARK:	SIMPSON 2 (KVO709)
ELEVATION:	6.92' NAVD 1988

NOTE:  
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED THE GENERAL CONDITIONS EXISTING AT THAT TIME.  
 COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM NAD 1983.  
 SOUNDINGS REFER TO THE PLANE OF COE MEAN LOW WATER.  
 THE PLANE OF COE MEAN LOW WATER IS 3.5 FEET BELOW NAVD 1988.  
 THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION-GENERAL, AS DEFINED IN EM 1110-2-1003.  
 THE DATA ON THIS MAP REPRESENTS THE CLOSEST SOUNDING TO THE CENTER OF A 30' CELL USING THE COMPLETE DATA SET.  
 THIS SURVEY WAS PERFORMED USING RTK GPS FROM STATION CAVEN POINT & SIMPSON 2 RM 3.  
 THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.

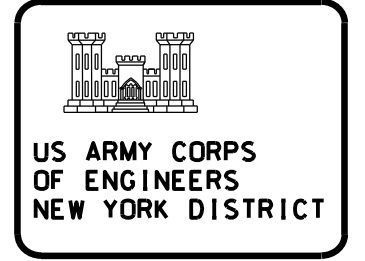
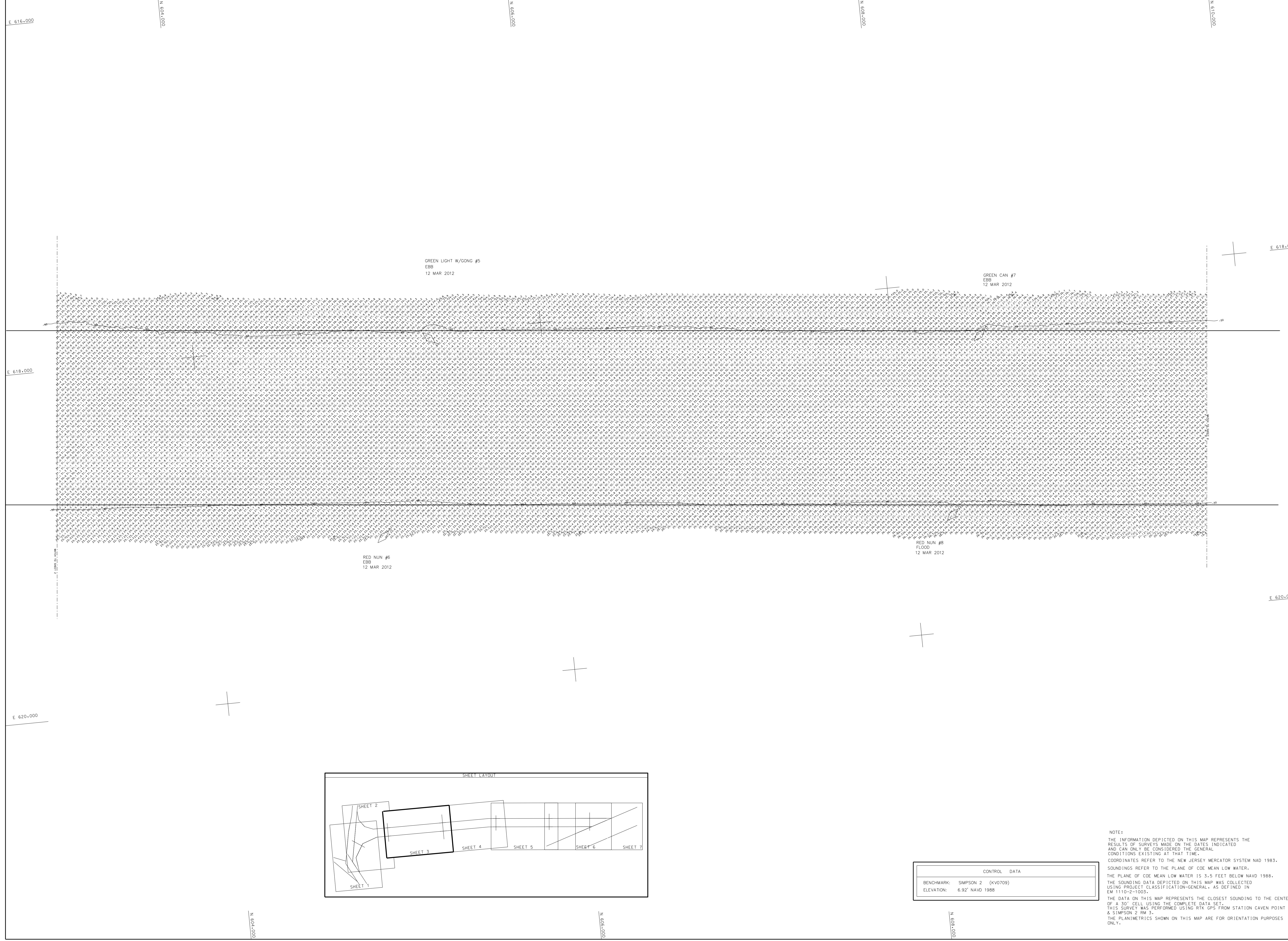


DATES OF SURVEY: 7-8-12-14-19-27 MARCH & 5 APRIL 2012 FILE NO.: 63 PROJ. NO.: 1042.8	
SCALE: ONE INCH = 200 FEET	FIELD BOOKS:  

DEPARTMENT OF THE ARMY NEW YORK DISTRICT CORPS OF ENGINEERS NEW YORK 10278	APPROVED: D. SMITH, DISTRICT ENGINEER APPROVED: M. FORTE, DISTRICT MANAGER APPROVED: J. MEZ, DISTRICT SURVEY SECTION DATE: 16 APRIL 2012
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NEW YORK HARBOR, NEW YORK  
 MAIN SHIP CHANNEL  
 CONDITION SURVEY

VH-102  
 SHEET 2 OF 7



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**DATES OF SURVEY:**  
7-8, 12-14, 19, 27 MAR, 6  
5 APRIL 2012

**SCALE:**  
ONE INCH = 200 FEET

**FIELD BOOKS:**

FILE NO.: 63  
PROJECT NO.: 9812 D

APPROVED: D. SMITH  
D. SMITH  
CHIEF SURVEYOR

APPROVED: M. FERTE  
M. FERTE  
SENIOR SURVEYOR

APPROVED: J. WRAZ  
J. WRAZ  
SURVEYOR

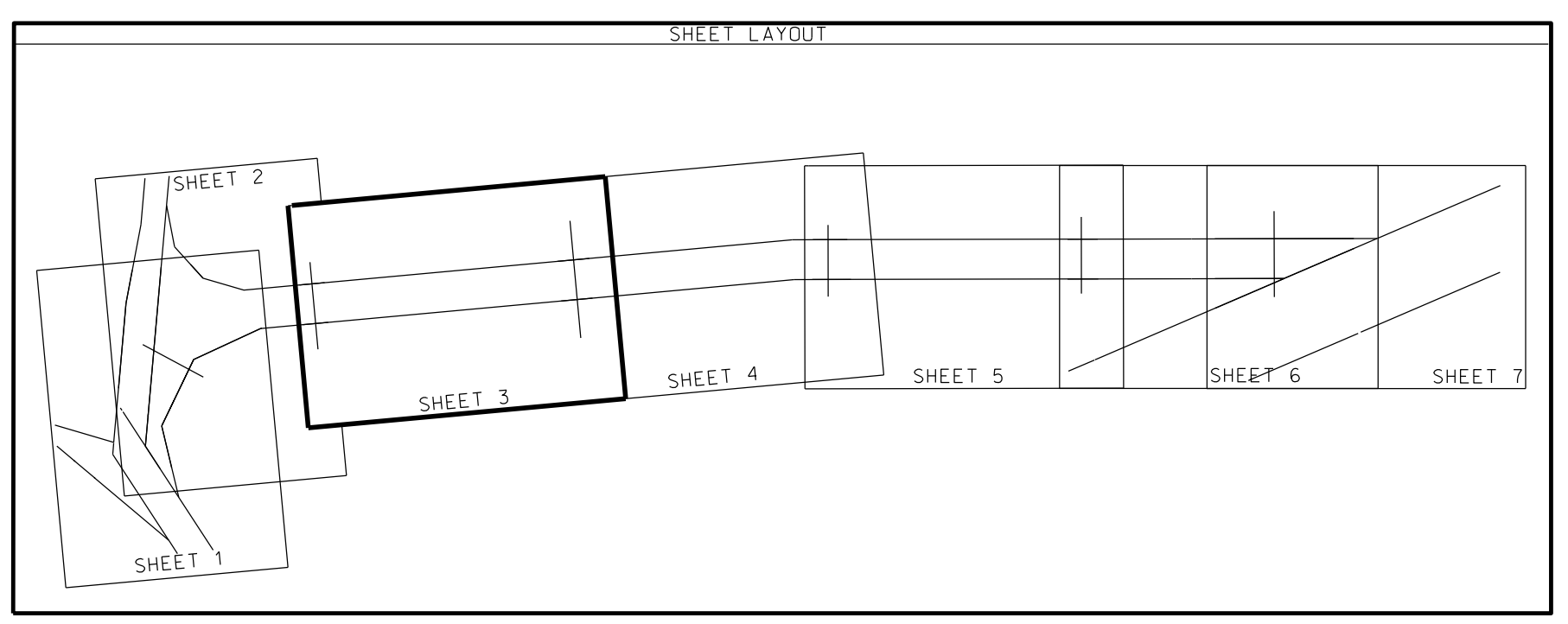
APPROVED: F. POSILLONE  
F. POSILLONE  
SURVEYOR

DATE: 16 APRIL 2012

DEPARTMENT OF THE ARMY  
NEW YORK DISTRICT  
CORPS OF ENGINEERS  
NEW YORK, NEW YORK 10278  
OPERATIONS DIVISION  
SURVEY SECTION  
CEMAN-OP-5

NEW YORK HARBOR, NEW YORK  
MAIN SHIP CHANNEL  
CONDITION SURVEY

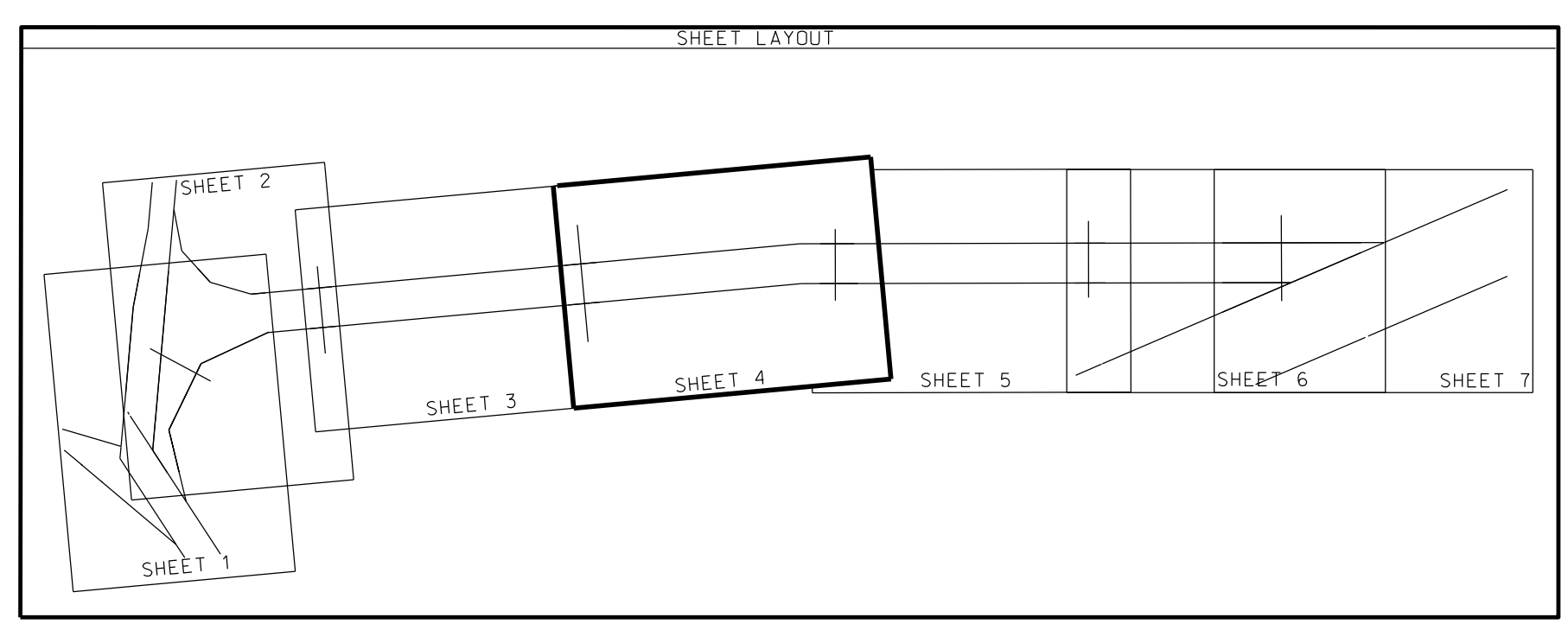
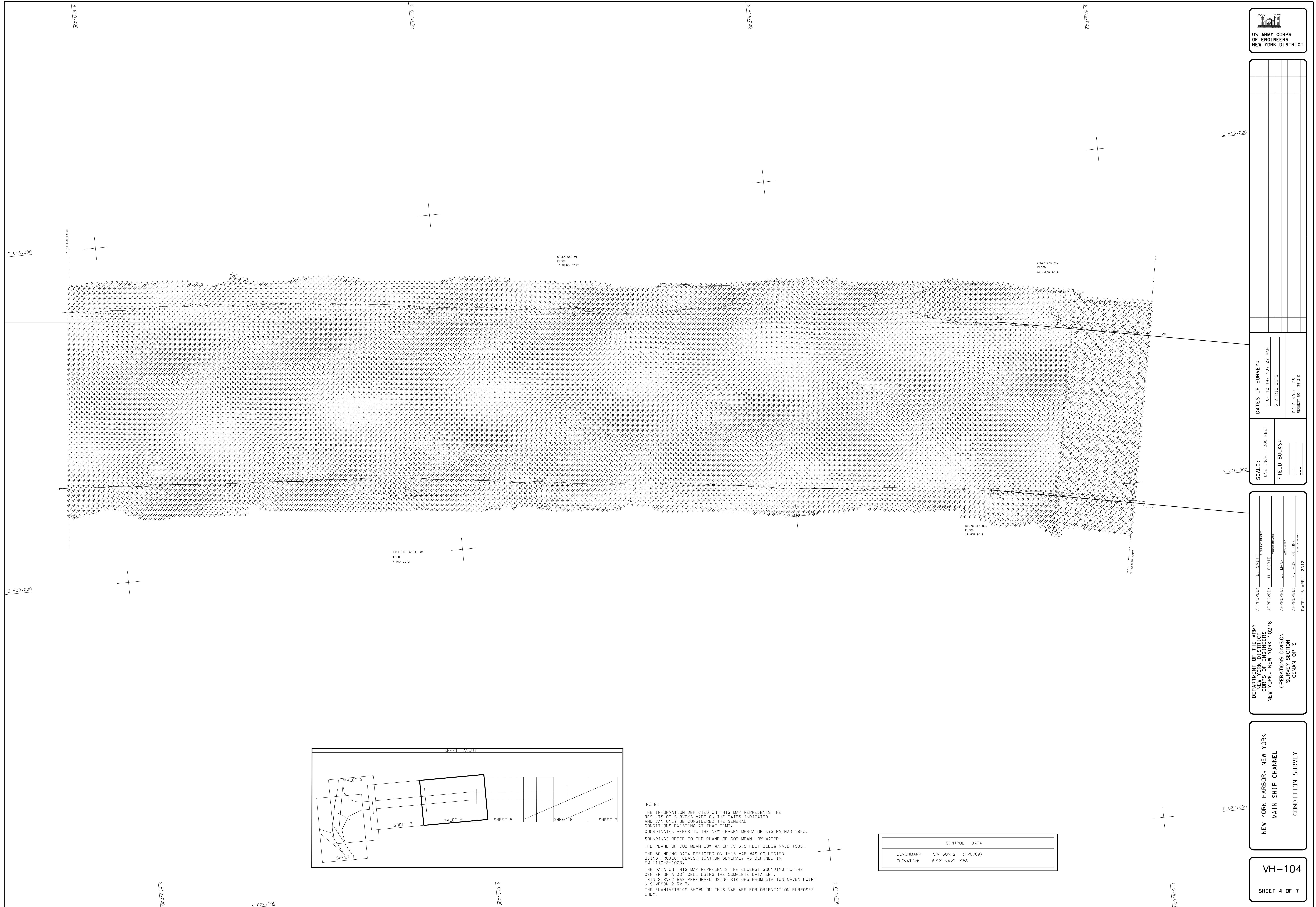
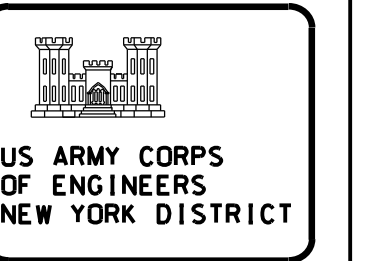
VH-103  
SHEET 3 OF 7



**CONTROL DATA**

BENCHMARK: SIMPSON 2 (KVO709)  
ELEVATION: 6.92' NAVD 1988

NOTE:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED THE GENERAL CONDITIONS EXISTING AT THAT TIME.  
COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM NAD 1983.  
SOUNDINGS REFER TO THE PLANE OF COE MEAN LOW WATER.  
THE PLANE OF COE MEAN LOW WATER IS 3.5 FEET BELOW NAVD 1988.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION-GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP REPRESENTS THE CLOSEST SOUNDING TO THE CENTER OF A 30' CELL USING THE COMPLETE DATA SET.  
THIS SURVEY WAS PERFORMED USING RTK GPS FROM STATION CAVEN POINT & SIMPSON 2 RM 5.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.



NOTE:  
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED THE GENERAL CONDITIONS EXISTING AT THAT TIME.  
 COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM NAD 1983.  
 SOUNDINGS REFER TO THE PLANE OF COE MEAN LOW WATER.  
 THE PLANE OF COE MEAN LOW WATER IS 3.5 FEET BELOW NAVD 1988.  
 THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION-GENERAL, AS DEFINED IN EM 1110-2-1003.  
 THE DATA ON THIS MAP REPRESENTS THE CLOSEST SOUNDING TO THE CENTER OF A 30' CELL USING THE COMPLETE DATA SET.  
 THIS SURVEY WAS PERFORMED USING RTK GPS FROM STATION CAVEN POINT & SIMPSON 2 RW 3.  
 THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.

CONTROL DATA	
BENCHMARK:	SIMPSON 2 (KVO709)
ELEVATION:	6.92' NAVD 1988

DATES OF SURVEY:  
 7-8, 12-14, 15, 27 MAR  
 5 APRIL 2012

SCALE:  
 ONE INCH = 200 FEET

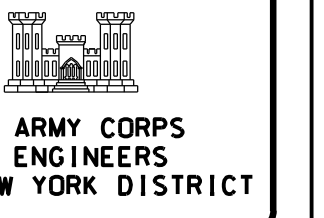
F FIELD BOOKS:

APPROVED: D. SMITH  
 M. FORTE  
 J. MRZ  
 F. PUSTILLO  
 DATE: 16 APRIL 2012

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

NEW YORK HARBOR, NEW YORK  
 MAIN SHIP CHANNEL  
 CONDITION SURVEY

VH-104  
 SHEET 4 OF 7




**DATES OF SURVEY:**  
7-8-12-14, 19-27 MAR  
5 APRIL 2012

**SCALE:**  
ONE INCH = 200 FEET

**FIELD BOOKS:**

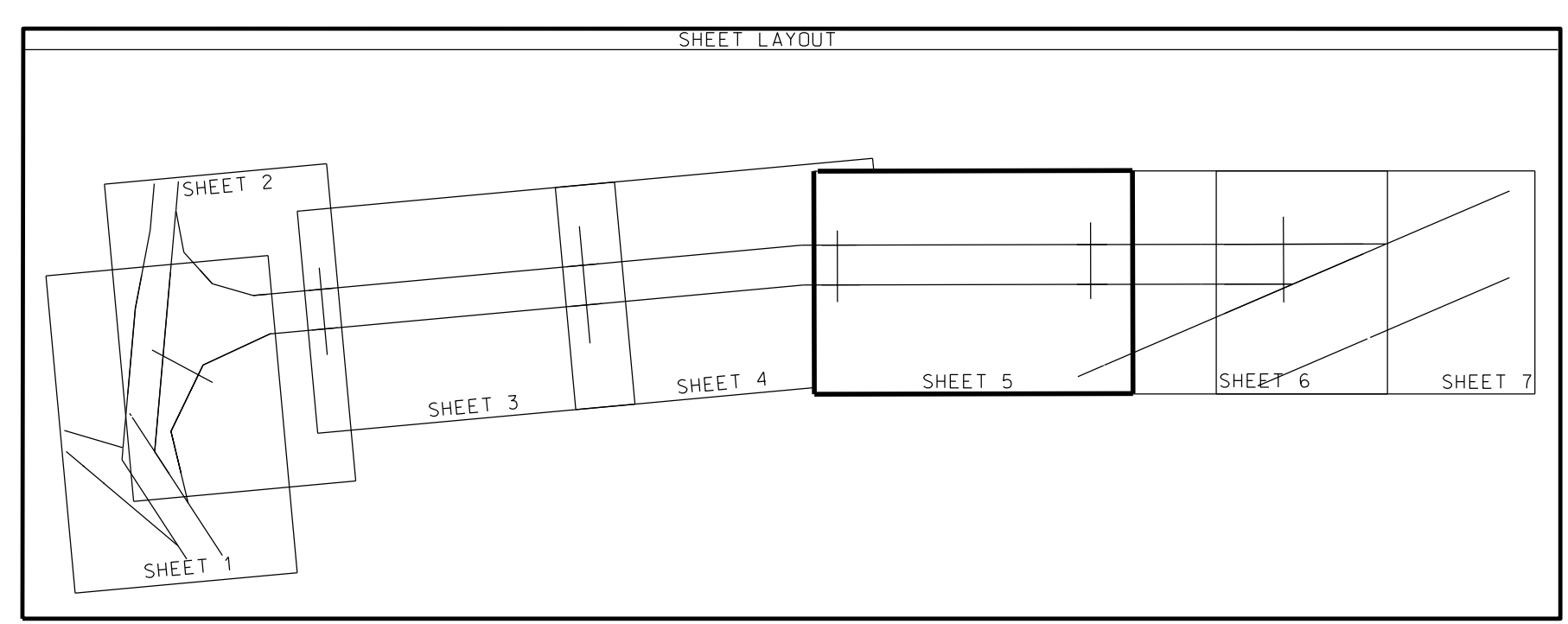
**DEPARTMENT OF THE ARMY**  
**CORPS OF ENGINEERS**  
**NEW YORK - NEW YORK 10278**

**OPERATIONS DIVISION**  
**SURVEY SECTION**  
**CEMAN-OP-5**

APPROVED: D. SMITH (signature)  
APPROVED: M. EDITE (signature)  
APPROVED: J. MARZ (signature)  
APPROVED: F. FOSTER (signature)  
DATE: 16 APRIL 2012

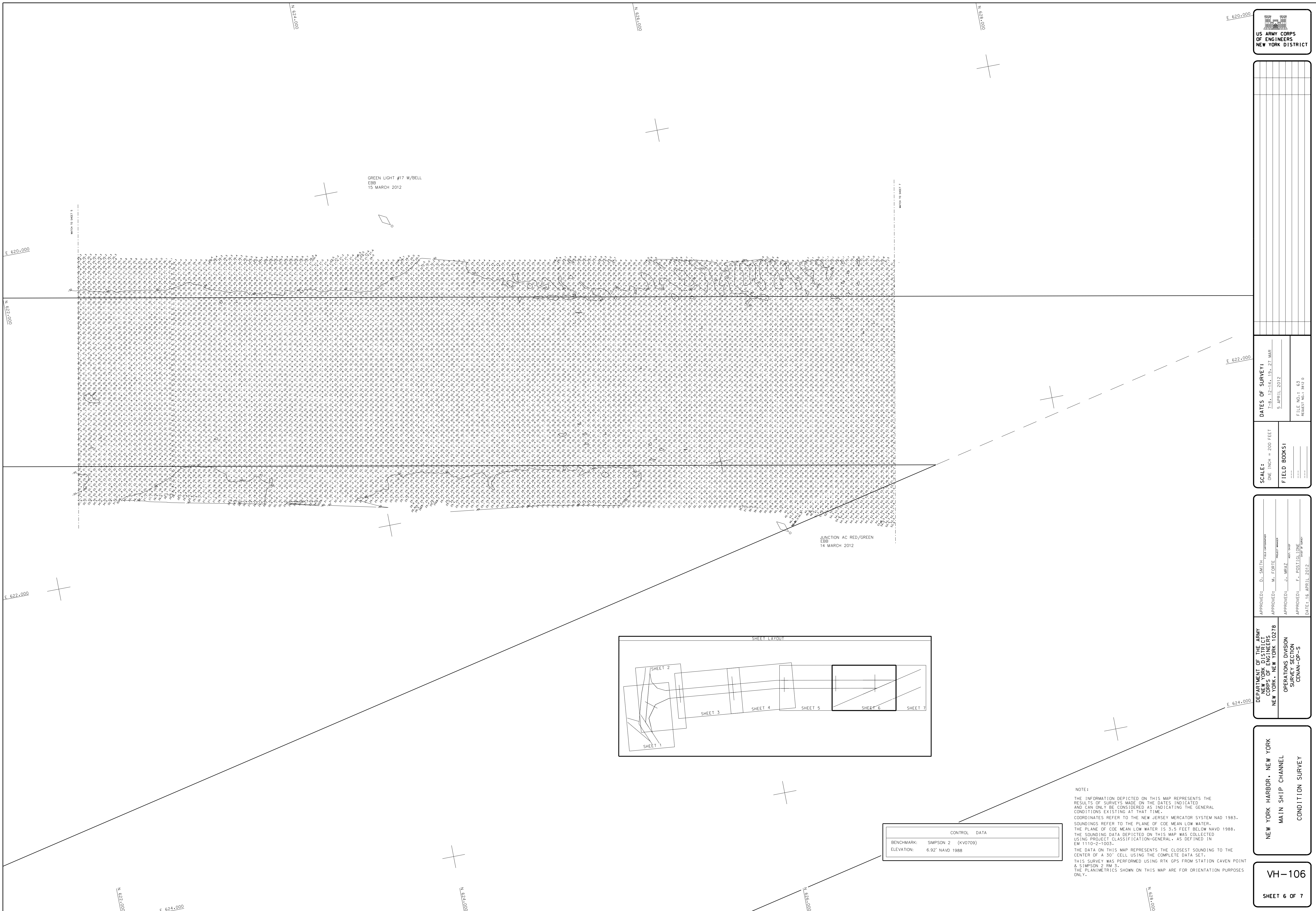
**NEW YORK HARBOR - NEW YORK**  
**MAIN SHIP CHANNEL**  
**CONDITION SURVEY**

**VH-105**  
**SHEET 5 OF 7**



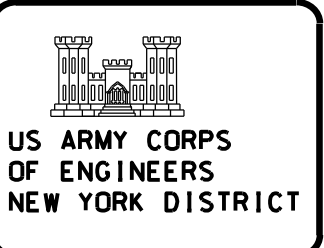
CONTROL DATA	
BENCHMARK:	SIMPSON 2 (KV0709)
ELEVATION:	6.92' NAVD 1988

**NOTE:**  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED THE GENERAL CONDITIONS EXISTING AT THAT TIME. COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM NAD 1983. SOUNDINGS REFER TO THE PLANE OF COE MEAN LOW WATER. THE PLANE OF COE MEAN LOW WATER IS 3.5 FEET BELOW NAVD 1988. THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION-GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP REPRESENTS THE CLOSEST SOUNDING TO THE CENTER OF A 30' CELL USING THE COMPLETE DATA SET. THIS SURVEY WAS PERFORMED USING RTK GPS FROM STATION CAVEN POINT & SIMPSON 2 RM 3.  
THE PLANIMETRICS ON SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.



**CONTROL DATA**  
 BENCHMARK: SIMPSON 2 (KV0709)  
 ELEVATION: 6.92' NAVD 1988

NOTE:  
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.  
 COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM NAD 1983.  
 SOUNDINGS REFER TO THE PLANE OF COE MEAN LOW WATER.  
 THE PLANE OF COE MEAN LOW WATER IS 3.5 FEET BELOW NAVD 1988.  
 THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION-GENERAL, AS DEFINED IN EM 1110-2-1003.  
 THE DATA ON THIS MAP REPRESENTS THE CLOSEST SOUNDING TO THE CENTER OF A 30' CELL USING THE COMPLETE DATA SET.  
 THIS SURVEY WAS PERFORMED USING RTK GPS FROM STATION CAVEN POINT & SIMPSON 2 RM 3.  
 THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.



**DATES OF SURVEY:**  
 7-8, 12-14, 19, 27 MAR  
 5 APRIL 2012  
 FILE NO.: 63  
 PROJECT NO.: 341.0

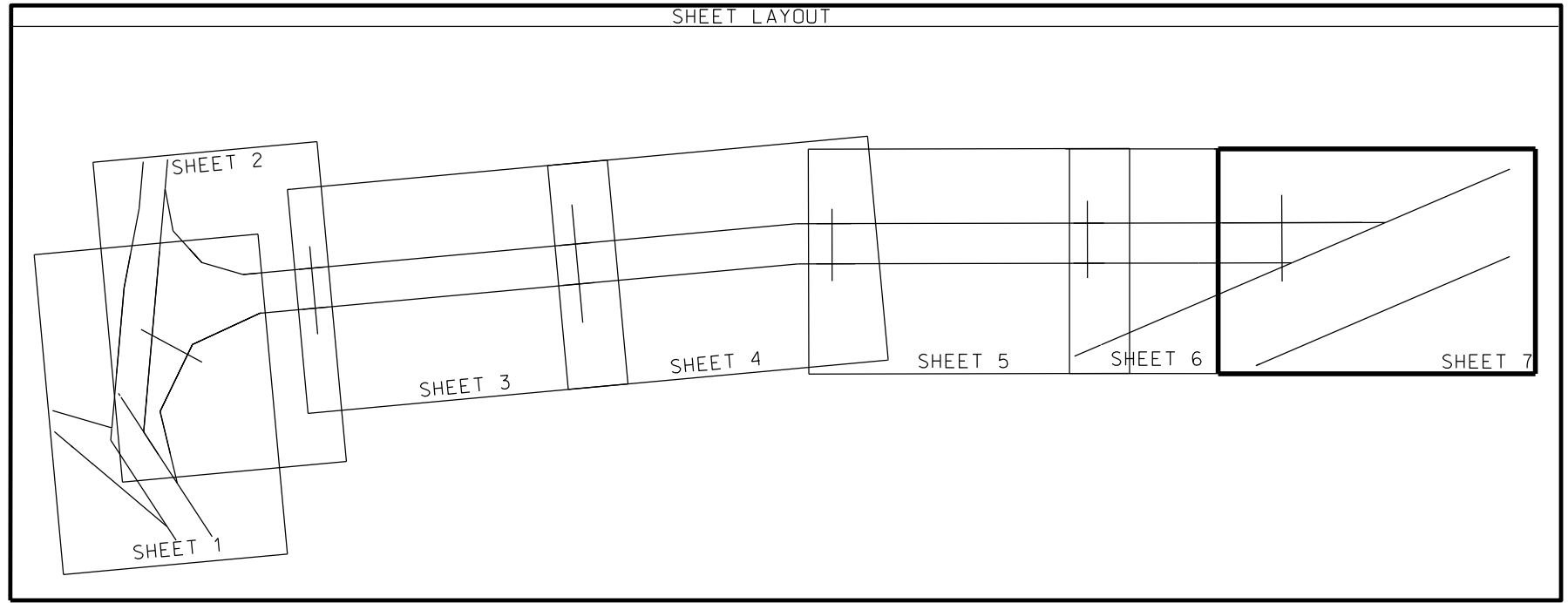
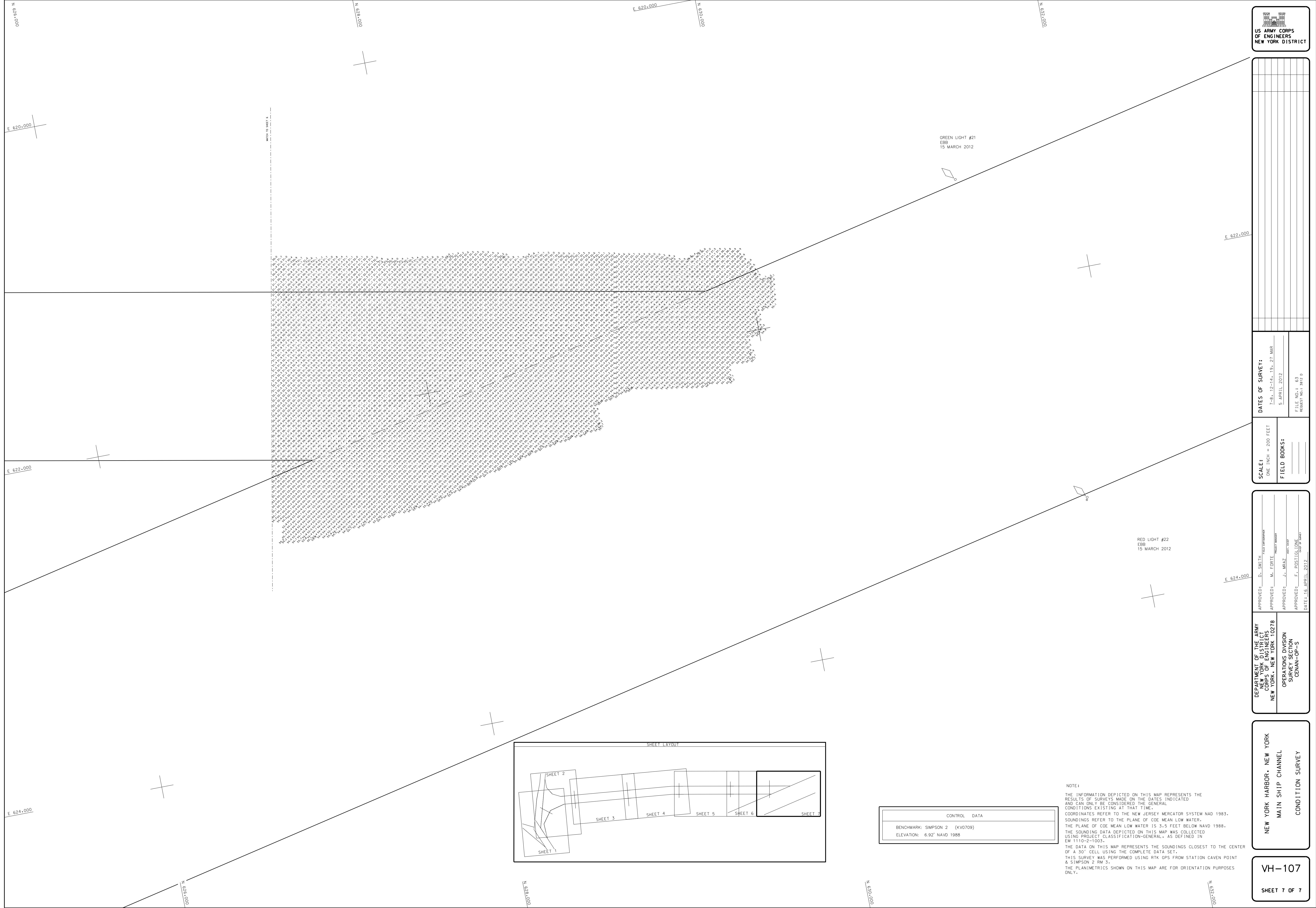
**SCALE:**  
 ONE INCH = 200 FEET  
**FIELD BOOKS:**

**APPROVED:** D. SMITH, DISTRICT ENGINEER  
 M. FERTE, PROJECT MANAGER  
 J. BRAZ, SURVEY CHIEF  
 F. POSTILLON, SURVEY CHIEF  
 DATE: 16 APRIL 2012

DEPARTMENT OF THE ARMY  
 NEW YORK DISTRICT  
 NEW YORK, NEW YORK 10278  
 OPERATIONS DIVISION  
 SURVEY SECTION  
 CENAM-OP-5

**NEW YORK HARBOR, NEW YORK**  
**MAIN SHIP CHANNEL**  
**CONDITION SURVEY**

**VH-106**  
 SHEET 6 OF 7



CONTROL DATA	
BENCHMARK: SIMPSON 2 (KV0709)	
ELEVATION: 6.92' NAVD 1988	

NOTE:  
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED THE GENERAL CONDITIONS EXISTING AT THAT TIME.  
 COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM NAD 1983.  
 SOUNDINGS REFER TO THE PLANE OF COE MEAN LOW WATER.  
 THE PLANE OF COE MEAN LOW WATER IS 3.5 FEET BELOW NAVD 1988.  
 THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION-GENERAL, AS DEFINED IN EM 1110-2-1003.  
 THE DATA ON THIS MAP REPRESENTS THE SOUNDINGS CLOSEST TO THE CENTER OF A 30' CELL USING THE COMPLETE DATA SET.  
 THIS SURVEY WAS PERFORMED USING RTK GPS FROM STATION CAVEN POINT & SIMPSON 2 RM 3.  
 THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.

<p>US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT</p>											
<table border="1"> <tr> <td>DATE</td> <td>DESCRIPTION</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>		DATE	DESCRIPTION								
DATE	DESCRIPTION										
<p><b>SCALE:</b> ONE INCH = 200 FEET</p>	<p><b>DATES OF SURVEY:</b> 7-B, 12-14, 19, 27 MAR 5 APRIL 2012</p>										
<p><b>FIELD BOOKS:</b></p>	<p>FILE NO.: 63 PROJECT NO.: RYD</p>										
<p>DEPARTMENT OF THE ARMY CORPS OF ENGINEERS NEW YORK, NEW YORK 10278</p> <p>OPERATIONS DIVISION SURVEY SECTION CEVAN-OP-S</p>											
<p>APPROVED: D. SMITH DATE: 16 APRIL 2012</p>	<p>APPROVED: M. FERTE DATE: 16 APRIL 2012</p>										
<p>NEW YORK HARBOR - NEW YORK MAIN SHIP CHANNEL CONDITION SURVEY</p>											
<p>VH-107 SHEET 7 OF 7</p>											