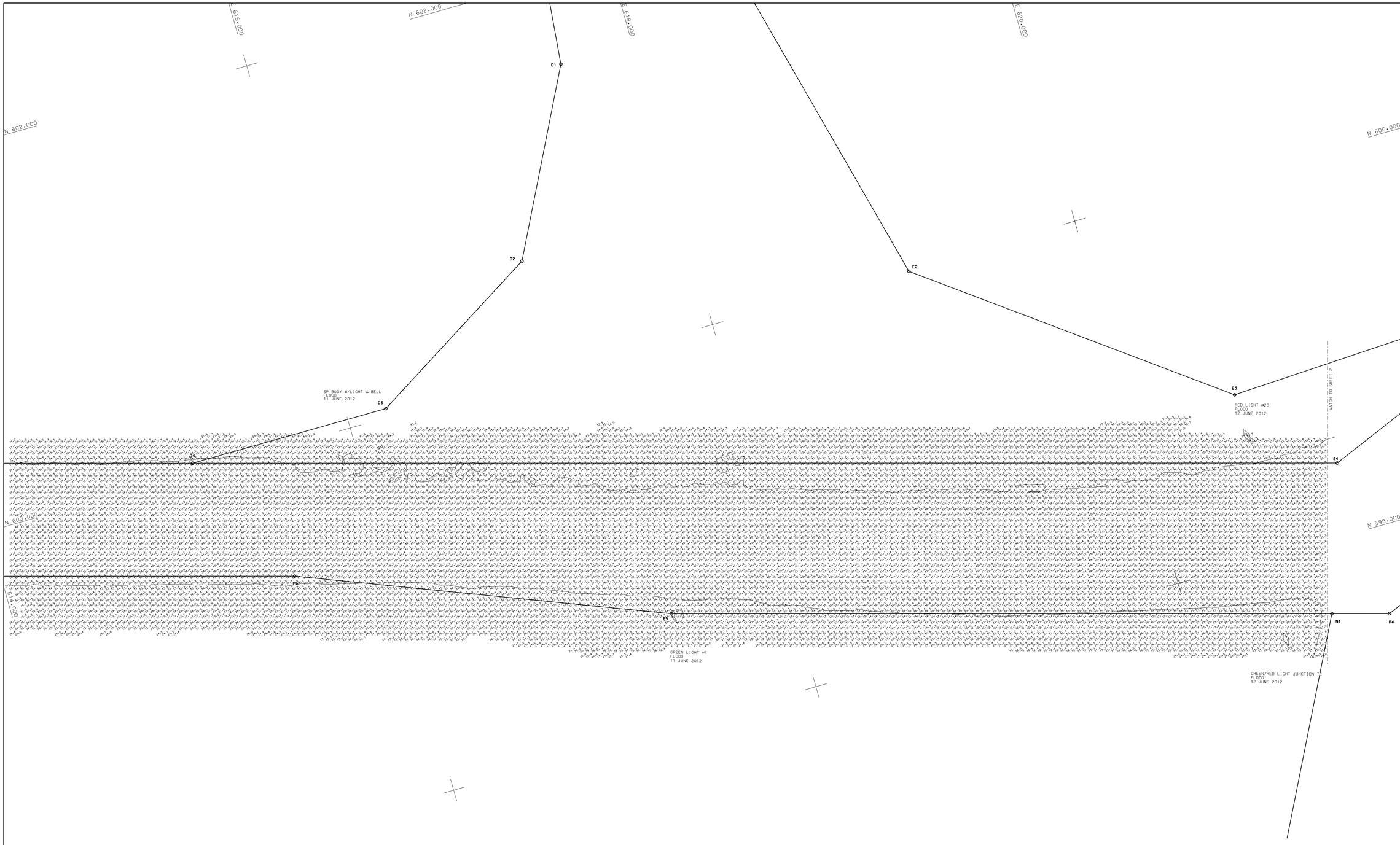
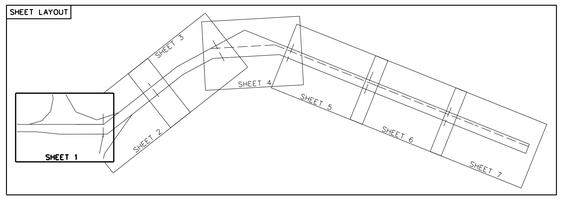
CORPS OF ENGINEERS

U. S. ARMY





NOTE:

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THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.

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' BELOW NAVD 1988.

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THE DATA ON THIS MAP REPRESENTS THE SOUNDINGS CLOSEST TO CELL CENTER. USING A 30' CELL. UTILIZING THE COMPLETE DATA SET.

THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

THIS SURVEY WAS PERFORMED USING RTK GPS FROM STATIONS SIMPSON 2 RM3.

AERIAL PHOTOGRAPHY FLOWN 18 MARCH 2007. UTILIZING USGS EARTH EXPLORER (1526537_K9B8).

LOCAL CONTROL DATA
BENCHMARK: SIMPSON 2 RM3 (KV0707)
ELEVATION: 6.85' NAVD 1988

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

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
5-7,11-14 & 21 JUNE 2012

FILE NO.: 169
REQUEST NO.: 38400/N2

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: D. SMITH, P. KEARNS
FIELD CHAINMAN
APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE
LEAD CHAINMAN
APPROVED: F. POSTIGLIONE
CHIEF OF SURVEY
DATE: 5 JULY 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK HARBOR
SANDY HOOK CHANNEL
CONDITION SURVEY

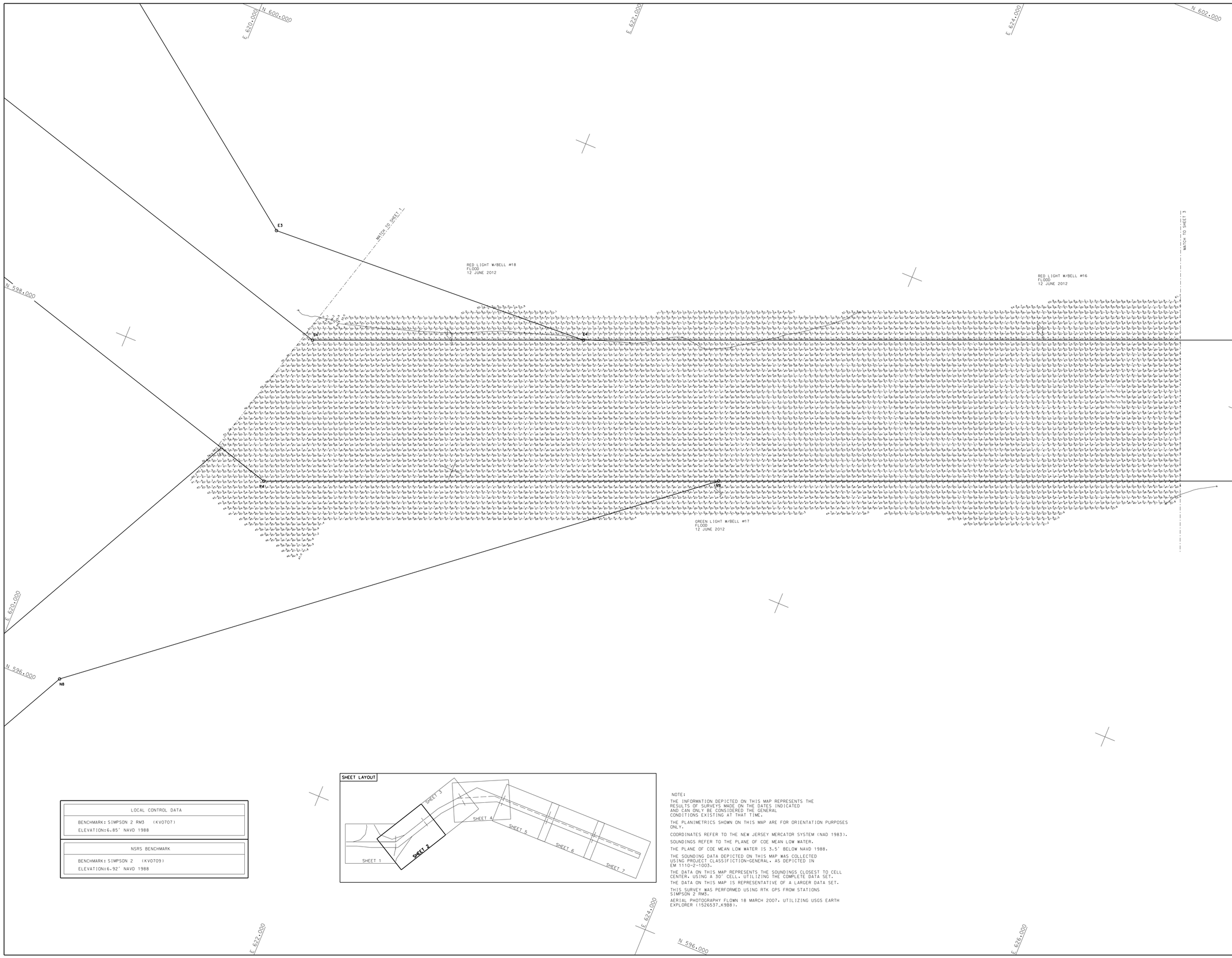
VH-101

SHEET 1 OF 7

169
38400/N2

CORPS OF ENGINEERS

U. S. ARMY



LOCAL CONTROL DATA
BENCHMARK: SIMPSON 2 RM3 (KV0707)
ELEVATION:6.85' NAVD 1988

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

SHEET LAYOUT

NOTE:

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THIS SURVEY WAS PERFORMED USING RTK GPS FROM STATIONS SIMPSON 2 RM3.

AERIAL PHOTOGRAPHY FLOWN 18 MARCH 2007. UTILIZING USGS EARTH EXPLORER (1526537_K9B8).

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
12-14,17-18 & 21 JUNE 2012

FILE NO.: 169
REQUEST NO.1 3840/N2

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: D. SMITH, P. KLINKS
FIELD EXPERIENCE

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
CHIEF CARTOGRAPHER

APPROVED: F. POSTIGLIONE
CHIEF OF SURVEY

DATE: 5 JULY 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS

NEW YORK HARBOR
SANDY HOOK CHANNEL
CONDITION SURVEY

VH-102

SHEET 2 OF 7

169
3840D/N2

CORPS OF ENGINEERS

U. S. ARMY

N 602.000

E 626.000

E 628.000

E 630.000

N 604.000

N 604.000

MATCH TO SHEET 2

MATCH TO SHEET 4

RED LIGHT #14
FLOOD
13 JUNE 2012

RED LIGHT #12
FLOOD
13 JUNE 2012

GREEN LIGHT W/BELL #13
FLOOD
13 JUNE 2012

GREEN LIGHT W/BELL #11
FLOOD
14 JUNE 2012

N 600.000

N 602.000

E 632.000

N 598.000

E 626.000

E 628.000

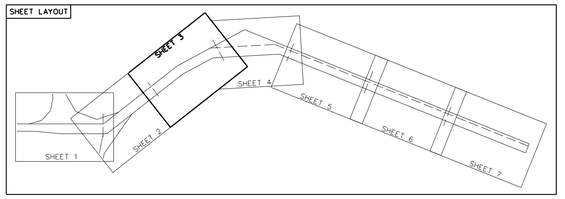
N 598.000

E 630.000

E 632.000

N 600.000

SHEET LAYOUT



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AERIAL PHOTOGRAPHY FLOWN 18 MARCH 2007, UTILIZING USGS EARTH EXPLORER (1526537_K988).

LOCAL CONTROL DATA
BENCHMARK: SIMPSON 2 RM3 (KV0707)
ELEVATION: 6.85' NAVD 1988

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

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
5-14 & 21 JUNE 2012

FILE NO.: 169
REQUEST NO.: 3840D/N2

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: D. SMITH, P. KLONIS
CHIEF, FIELD SURVEYS

APPROVED: M. FORTE
CHIEF, ENGINEERING SECTION

APPROVED: D. CLARKE
CHIEF, CARTOGRAPHY

APPROVED: F. POSTIGLIONE
CHIEF OF SURVEY

DATE: 5 JULY 2012

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

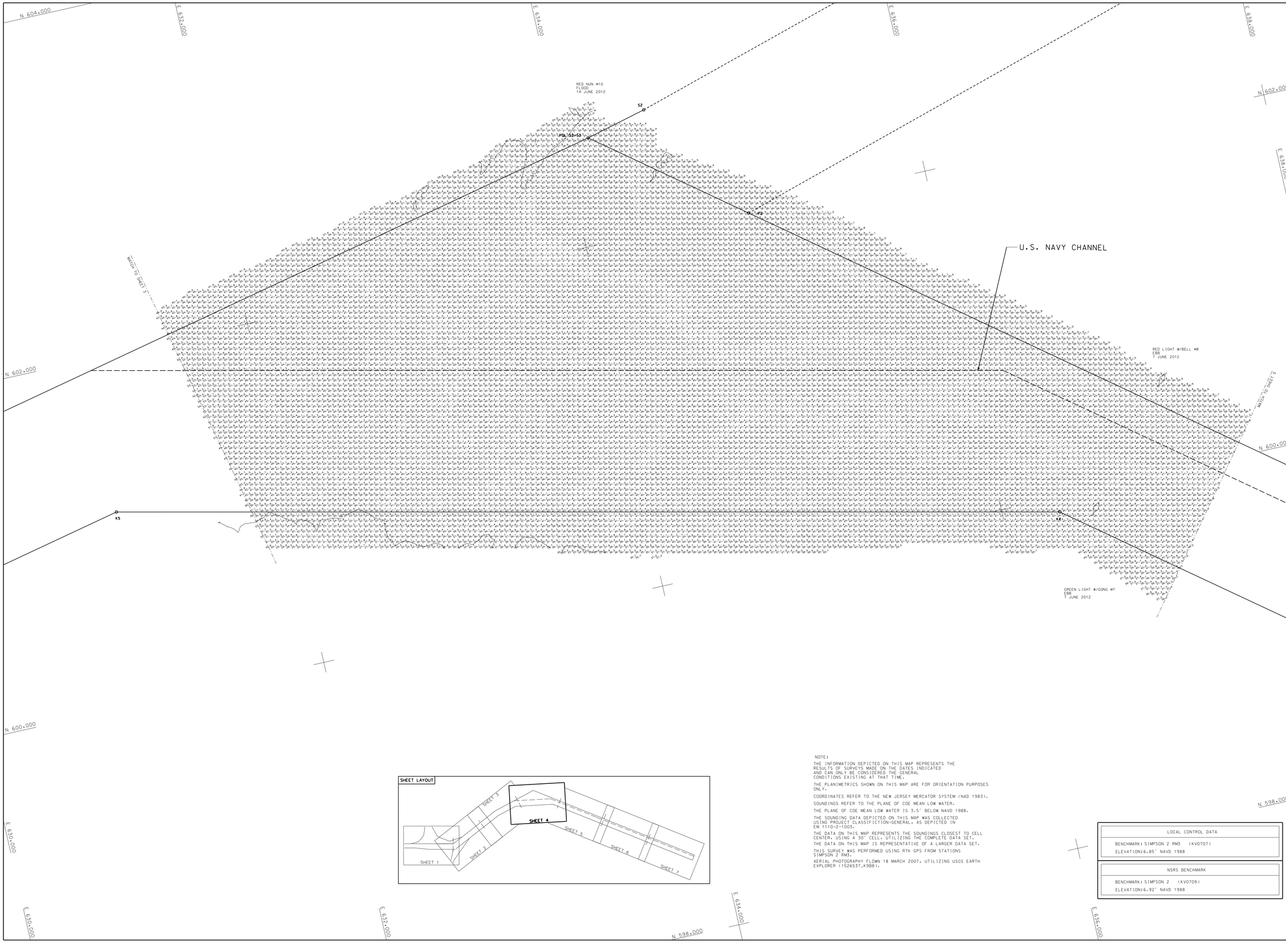
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK HARBOR
SANDY HOOK CHANNEL
CONDITION SURVEY

VH-103

SHEET 3 OF 7

169
3840D/N2



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AERIAL PHOTOGRAPHY FLOWN 18 MARCH 2007. UTILIZING USGS EARTH EXPLORER (1526537_K9B8).

LOCAL CONTROL DATA
BENCHMARK: SIMPSON 2 RM3 (KV0707)
ELEVATION:6.85' NAVD 1988

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

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
5-7,11-14 & 21 JUNE 2012

FILE NO.: 169
REQUEST NO.: 3840D/N2

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: D. SMITH, P. KEARNS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LEAD CARTOGRAPHER

APPROVED: F. POSTIGLIONE
CHIEF OF SURVEY

DATE: 5 JULY 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK HARBOR
SANDY HOOK CHANNEL

CONDITION SURVEY

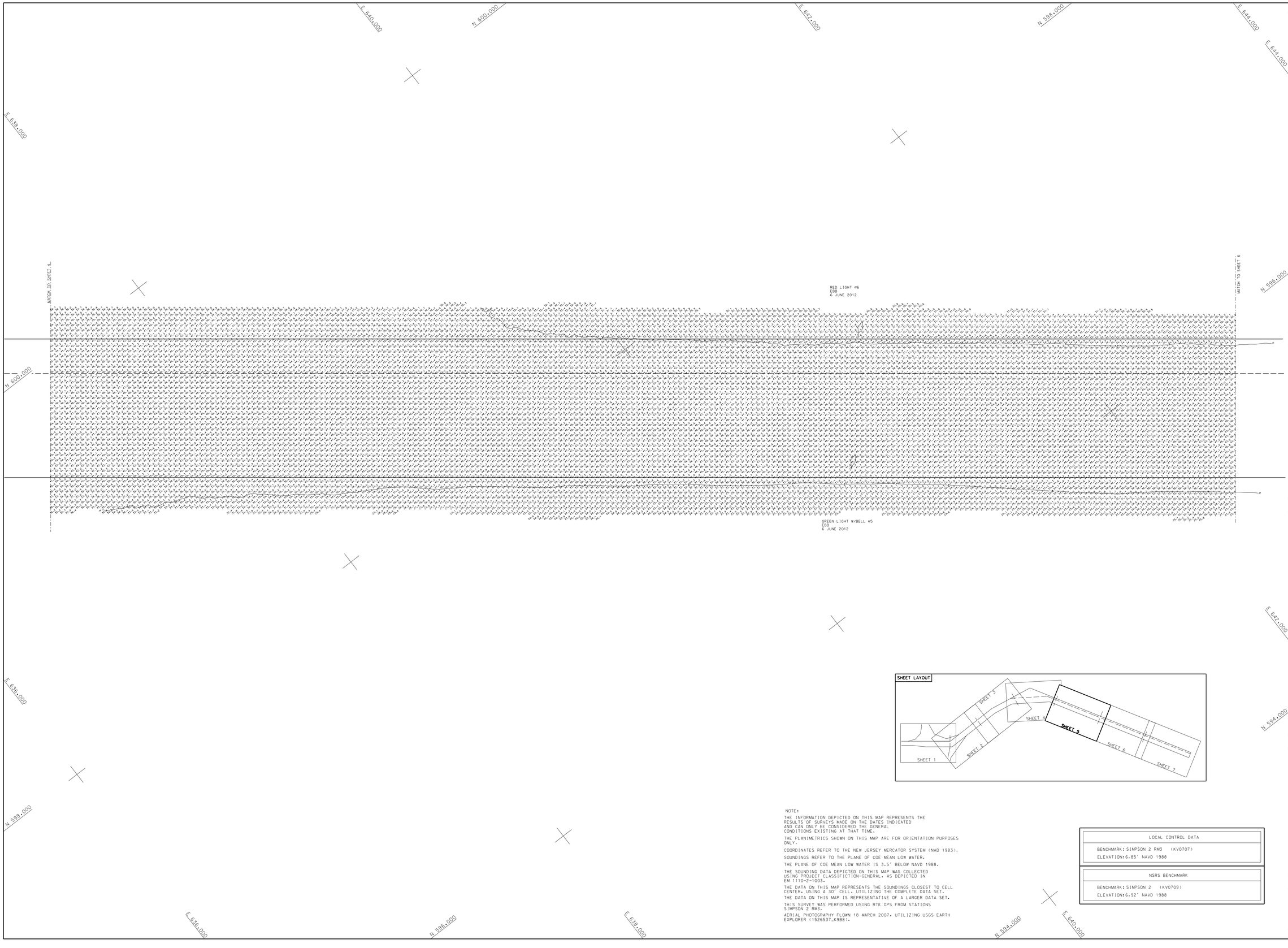
VH-104

SHEET 4 OF 7

169
3840D/N2

CORPS OF ENGINEERS

U. S. ARMY



SHEET LAYOUT

NOTE:

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ELEVATION: 6.85' NAVD 1988

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

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
5-7,11-14 & 21 JUNE 2012

FILE NO.: 169
REQUEST NO.: 38400/N2

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: D. SMITH, P. KEARNS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LEAD CARTOGRAPHER

APPROVED: F. POSTIGLIONE
CHIEF OF SURVEY

DATE: 5 JULY 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK HARBOR
SANDY HOOK CHANNEL
CONDITION SURVEY

VH-105

SHEET 5 OF 7

169
38400/N2

CORPS OF ENGINEERS

U. S. ARMY

E 644,000 | N 596,000 | E 646,000 | E 648,000 | N 594,000 | N 592,000

MATCH TO SHEET 5

RED LIGHT W/BELL #4
EBB
6 JUNE 2012

MATCH TO SHEET 7

N 596,000

E 648,000

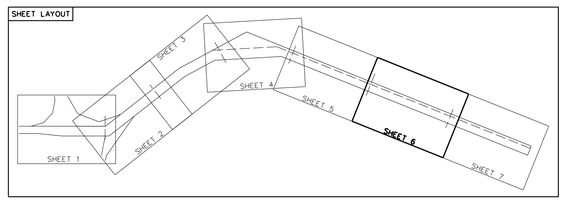
GREEN LIGHT #3
EBB
6 JUNE 2012

E 642,000

N 590,000

N 594,000

SHEET LAYOUT



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LOCAL CONTROL DATA
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ELEVATION:6.85' NAVD 1988

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

E 642,000 | N 592,000 | E 644,000 | N 590,000 | E 646,000

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
5-7,11-14 & 21 JUNE 2012

FILE NO.: 169
REQUEST NO.: 38400/N2

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: D. SMITH, P. E. & S.
CHIEF, ENGINEERING DIVISION

APPROVED: M. FORTE
CHIEF, ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
CHIEF, CARTOGRAPHIC

APPROVED: F. POSTIGLIONE
CHIEF OF SURVEY

DATE: 5 JULY 2012

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

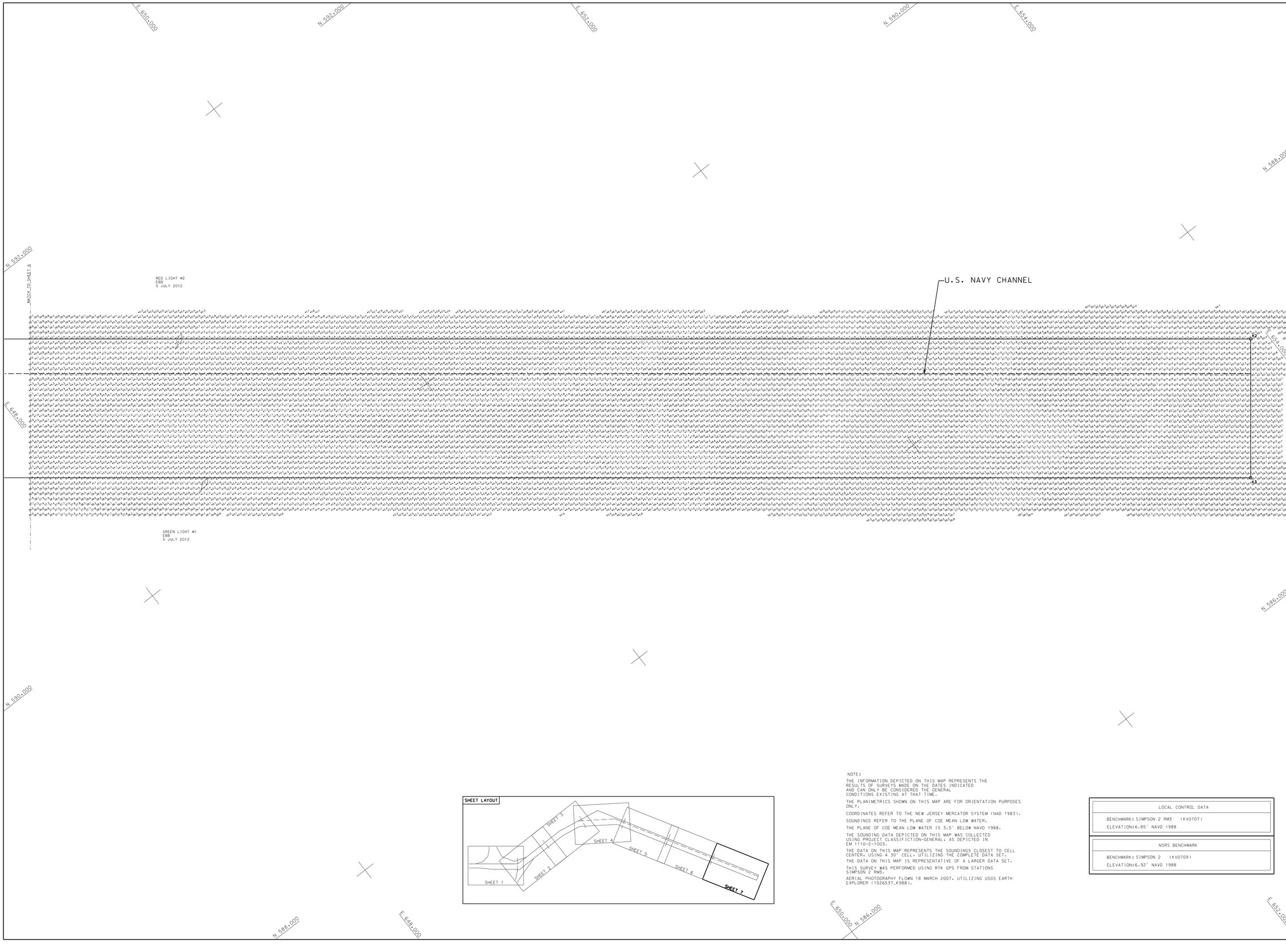
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS

NEW YORK HARBOR
SANDY HOOK CHANNEL
CONDITION SURVEY

VH-106

SHEET 6 OF 7

162
3840D



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

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
5-7,11-14 & 21 JUNE 2012

FILE NO.: 169
REQUEST NO.: 38400/N2

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: D. SMITH, P. KEARNS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LEAD CARTOGRAPHER

APPROVED: F. POSTIGLIONE
CHIEF OF SURVEY

DATE: 5 JULY 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK HARBOR
SANDY HOOK CHANNEL
CONDITION SURVEY

VH-107

SHEET 7 OF 7

162
38400/N2