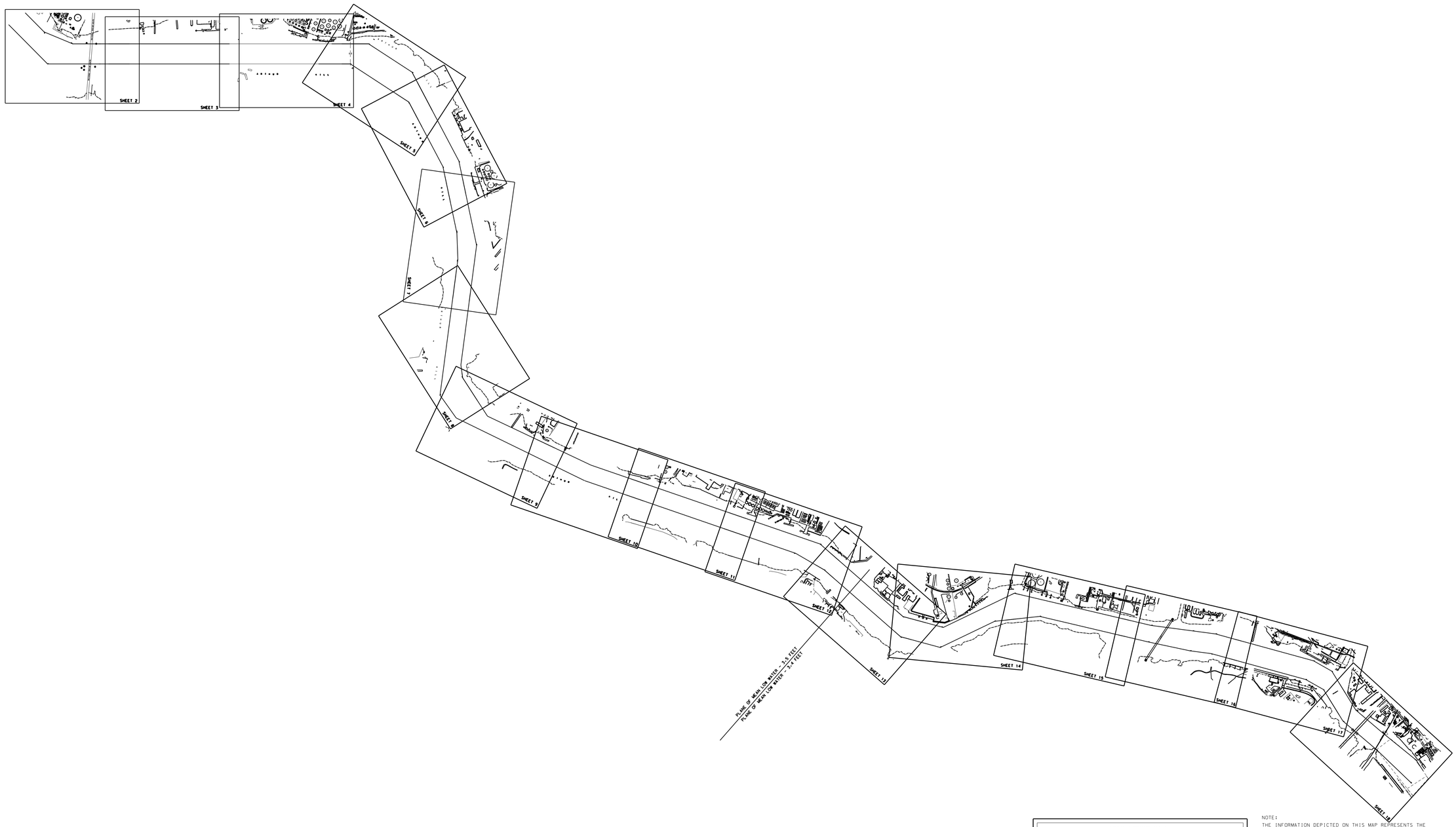

LOCAL CONTROL DATA
BENCHMARK: D 37 (KV0199) ELEVATION: 39.21' NAVD 1988

NSRS BENCHMARK
NSRS BENCHMARK: J37 (KV0210) ELEVATION: 11.77' 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 C.O.E. MEAN LOW WATER

THE PLANE OF C.O.E. MEAN LOW WATER:
(FROM SEGUINE PT. TO PORT READING IS 3.5 FEET BELOW NAVD 1988)
(FROM PORT READING TO RAHWAY RIVER IS 3.5 FEET BELOW NAVD 1988)
(FROM RAHWAY RIVER TO ST. GEORGE IS 3.4 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 15' CELL USING THE COMPLETE DATA SET.

THE CONTOURS ON THIS MAP WERE GENERATED USING THE 5' DATA SET.

THIS SURVEY WAS PERFORMED USING RTK GPS FROM THE NY DOT NETWORK.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PDC EDITOR
PDC CARTOGRAPHER

DATES OF SURVEY:
NOV 29 JAN
4-7,12-14,19-21,25-28 FEB
1 MAR 2013

SCALE:
ONE INCH = 1200 FEET

FIELD BOOKS:
857

FILE NO.: 1354
REQUEST NO.: 3918/3934 D/N1/N2

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

APPROVED: D. SMITH / D. SWAIN / M. APPELD
APPROVED: M. FORTE
APPROVED: D. CLARKE
APPROVED: E. POSTIGLIONE / J. MERAZ
DATE: 07 MARCH 2013

NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL
PLANS AND SPEC SURVEY
(POST SANDY)

VH-101

SHEET 1 OF 18

LOCAL CONTROL DATA
BENCHMARK: D 37 (KV0199)
ELEVATION: 39.21' NAVD 1988

NSRS BENCHMARK
BENCHMARK: J 37 (KV0210)
ELEVATION: 11.77' 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 THE GENERAL CONDITIONS EXISTING AT THAT TIME.

"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 C.O.E. MEAN LOW WATER.

THE PLANE OF C.O.E. MEAN LOW WATER:
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THE CONTOURS ON THIS MAP WERE GENERATED USING THE 5' DATA SET.

THIS SURVEY WAS PERFORMED USING RTK GPS FROM THE NY DOT NETWORK.

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PDC EDITOR
PDC CARTOGRAPHER

DATES OF SURVEY:
28-29 JAN
4-11,14-18-21-25-28 FEB
1 MAR 2013

FILE NO.: 1354
REQUEST NO.: 3918/3934 D/N1/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
BEF

APPROVED: D. SMITH / D. SMAIN / M. APPELD
FIELD SUPERVISOR
APPROVED: M. FORTE
SYS. ENGINEERING TECHNICIAN
APPROVED: D. CLARK
FIELD SUPERVISOR
APPROVED: F. POSTIGLIONE / J. MERAZ
CHIEF OF SURVEYS / ASST CHIEF OF SURVEYS
DATE: 07 MARCH 2013

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS

ARTHUR KILL

PLANS AND SPEC SURVEY
(POST SANDY)

VH-102

SHEET 2 OF 18

1354
3918/3934 D/N1/N2

CORPS OF ENGINEERS

U. S. ARMY

LOCAL CONTROL DATA
BENCHMARK: D 37 (KV0199)
ELEVATION: 39.21' NAVD 1988

NSRS BENCHMARK
BENCHMARK: J 37 (KV0210)
ELEVATION: 11.77' NAVD 1988

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

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THIS SURVEY WAS PERFORMED USING RTK GPS FROM THE NY DOT NETWORK.

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PDC	EDITOR
PDC	CARTOGRAPHER

DATES OF SURVEY:
28,29 JAN
4-7,12-14,19-21,25-28 FEB
1 MAR 2013

FILE NO.: 1354
REQUEST NO.: 3918/3934 D/N1/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
857

APPROVED: D. SMITH / D. SWAIN / M. APPELD
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
FIELD CARTOGRAPHER

APPROVED: F. POSTIGLIONE / J. MRAZ
CHIEF OF SURVEYS / AIDS / CHIEF OF SURVEYS

DATE: 07 MARCH 2013

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL
PLANS AND SPEC SURVEY
(POST SANDY)

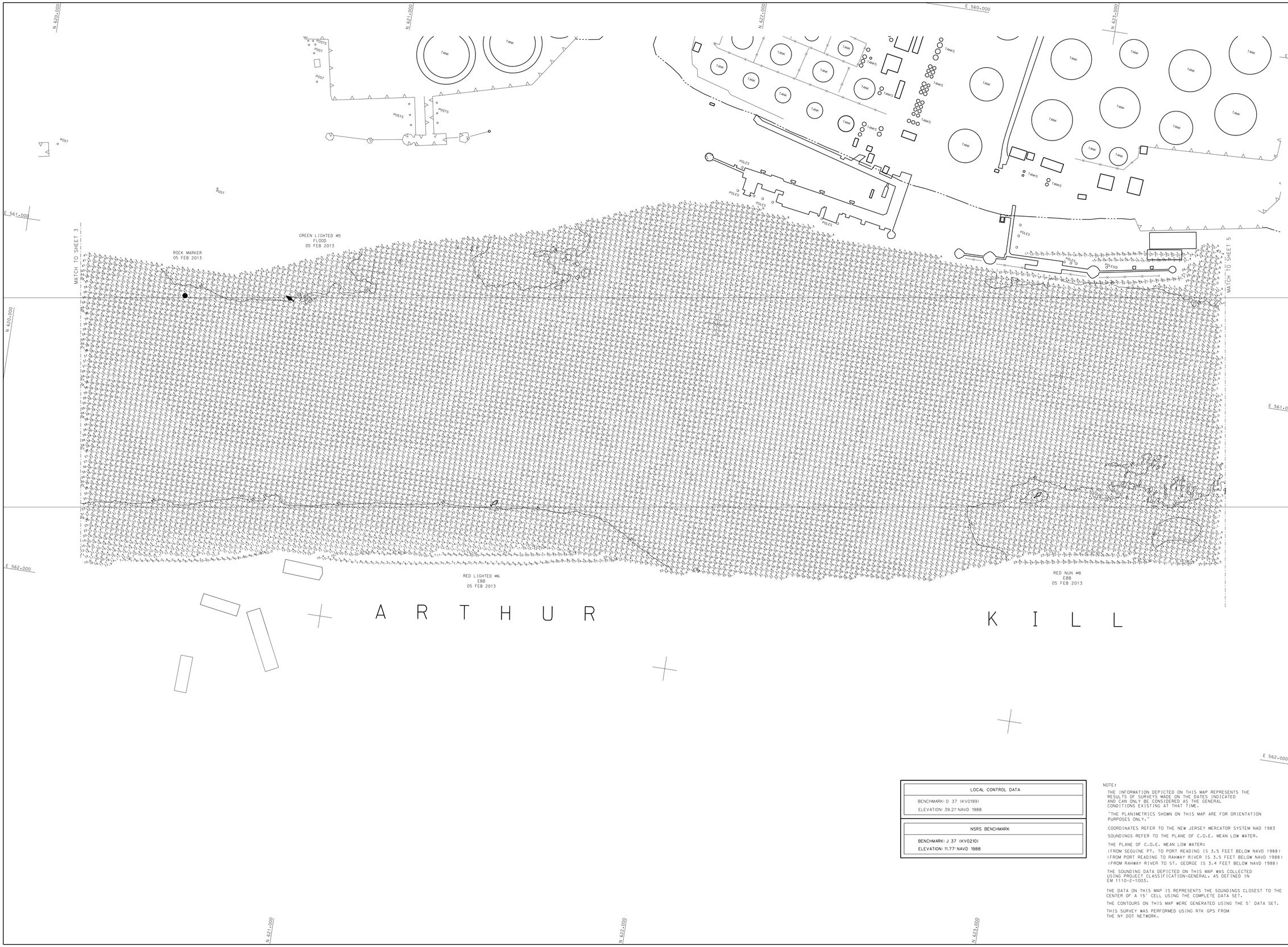
VH-103

SHEET 3 OF 18

1354
3918/3934 D/N1/N2

CORPS OF ENGINEERS

U. S. ARMY



LOCAL CONTROL DATA
BENCHMARK: D 37 (KV0199)
ELEVATION: 39.21' NAVD 1988

NSRS BENCHMARK
BENCHMARK: J 37 (KV0210)
ELEVATION: 11.77' NAVD 1988

NOTE:

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COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM NAD 1983

SOUNDINGS REFER TO THE PLANE OF C.O.E. MEAN LOW WATER.

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THIS SURVEY WAS PERFORMED USING RTK GPS FROM THE NY DOT NETWORK.

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PDC	EDITOR
PDC	CARTOGRAPHER

DATES OF SURVEY:
28,29 JAN
4-7,12-14,19-21,25-28 FEB
1 MAR 2013

FILE NO.: 1354
REQUEST NO.: 3918/3934 D/N1/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
857

APPROVED: D. SMITH / D. SWAIN / M. APPELD
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LEAD CARTOGRAPHER

APPROVED: F. POSTIGLIONE / J. MRAZ
CHIEF OF SURVEYS / ASST'T CHIEF OF SURVEYS

DATE: 07 MARCH 2013

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

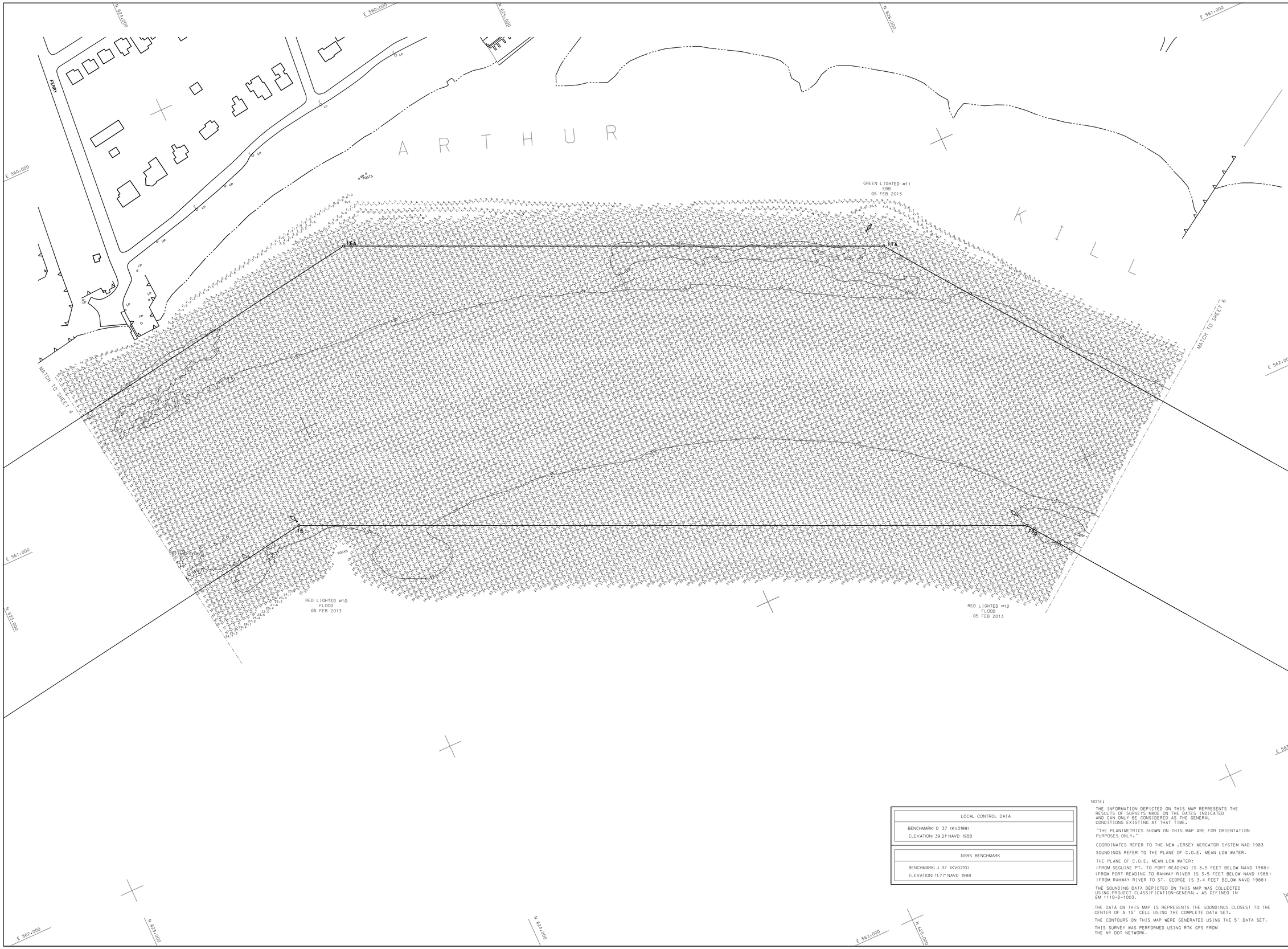
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL
PLANS AND SPEC SURVEY
(POST SANDY)

VH-104

SHEET 4 OF 18

1354
3918/3934 D/N1/N2



LOCAL CONTROL DATA
BENCHMARK: D 37 (KV0199)
ELEVATION: 39.21' NAVD 1988

NSRS BENCHMARK
BENCHMARK: J 37 (KV0210)
ELEVATION: 11.77' NAVD 1988

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THIS SURVEY WAS PERFORMED USING RTK GPS FROM THE NY DOT NETWORK.

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PDC: EDITOR
PDC: CARTOGRAPHER

DATES OF SURVEY:
28,29 JAN
4,7,12-14,19-21,25-28 FEB
1 MAR 2013

FILE NO.: 1354
REQUEST NO.: 3918/3934 D/N1/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
857

APPROVED: D. SMITH / D. SMITH / M. APPELD
FIELD CARTOGRAPHER
APPROVED: M. FORTE
CHIEF, TECHNICAL SUBSECTION
APPROVED: D. CLARKE
LEAD CARTOGRAPHER
APPROVED: E. POSTIGLIONE / J. MRAZ
CHIEF OF SURVEY / CHIEF OF SURVEYS
DATE: 07 MARCH 2013

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL
PLANS AND SPEC SURVEY
(POST SANDY)

VH-105

SHEET 5 OF 18

LOCAL CONTROL DATA
BENCHMARK: D 37 (KV0199)
ELEVATION: 39.21' NAVD 1988

NSRS BENCHMARK
BENCHMARK: J 37 (KV0210)
ELEVATION: 11.77' NAVD 1988

NOTE:

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COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM NAD 1983

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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PDC	EDITOR
PDC	CARTOGRAPHER

DATES OF SURVEY:
28-29 JAN
4-12,14,19-21,25-28 FEB
1 MAR 2013

FILE NO.: 1354
BOAT NO.: 3918/3934 D/N1/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
897

APPROVED: D. SMITH / D. SMITH / M. APPELO
CHIEF, ENGINEERING TECHNICIAN

APPROVED: M. FORTE
CHIEF, OPERATIONS DIVISION

APPROVED: D. CLARKE
CHIEF, SURVEY SECTION

APPROVED: F. POSTILIONE / F. MPLP
CHIEF OF SURVEY / FIELD CHIEF OF SURVEY

DATE: 07 MARCH 2013

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS

ARTHUR KILL

PLANS AND SPEC SURVEY
(POST SANDY)

VH-106

SHEET 6 OF 18

1354
3918/3934 D/N1/N2

CORPS OF ENGINEERS

U. S. ARMY

NOTE:

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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PDC	EDITOR
PDC	CARTOGRAPHER

DATES OF SURVEY:
28,29 JAN
4-7,12-14,19-21,25-28 FEB
1 MAR 2013

FILE NO.: 1354
REQUEST NO.: 3918/3934 D/N1/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
857

APPROVED: D. SMITH / D. SWAIN / M. APPELD
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LEAD CARTOGRAPHER

APPROVED: F. POSTIGLIONE / J. MRAZ
CHIEF OF SURVEYS / ASSOC. CHIEF OF SURVEYS

DATE: 07 MARCH 2013

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS

ARTHUR KILL

PLANS AND SPEC SURVEY
(POST SANDY)

VH-107

SHEET 7 OF 18

1354
3918/3934 D/N1/N2

LOCAL CONTROL DATA
BENCHMARK: D 37 (KV0199) ELEVATION: 39.21' NAVD 1988

NSRS BENCHMARK
BENCHMARK: J 37 (KV0210) ELEVATION: 11.77' NAVD 1988

NOTE:

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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PDC	EDITOR
PDC	CARTOGRAPHER

DATES OF SURVEY:
28,29 JAN
4-7,12-14,19-21,25-28 FEB
1 MAR 2013

FILE NO.: 1354
REQUEST NO.: 3918/3934 D/N1/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
857

APPROVED: D. SMITH / D. SWAIN / M. APPELD
CHIEF, CARTOGRAPHER
APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE
LEAD CARTOGRAPHER
APPROVED: F. POSTIGLIONE / J. MRAZ
CHIEF OF SURVEYS / ASSN'T CHIEF OF SURVEYS
DATE: 07 MARCH 2013

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL
PLANS AND SPEC SURVEY
(POST SANDY)

VH-108

SHEET 8 OF 18

1354
3918/3934 D/N1/N2

LOCAL CONTROL DATA
BENCHMARK: D 37 (KV0199)
ELEVATION: 39.21' NAVD 1988

NSRS BENCHMARK
BENCHMARK: J 37 (KV0210)
ELEVATION: 11.77' NAVD 1988

NOTE:

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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PDC	EDITOR
PDC	CARTOGRAPHER

DATES OF SURVEY:
28,29 JAN
4-7,12-14,19-21,25-28 FEB
1 MAR 2013

FILE NO.: 1354
REQUEST NO.: 3918/3934 D/N1/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
857

APPROVED: D. SMITH / D. SWAIN / M. APPELD
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
CHIEF CARTOGRAPHER

APPROVED: F. POSTIGLIONE / J. MRAZ
CHIEF OF SURVEYS / AREA 1 CHIEF OF SURVEYS

DATE: 07 MARCH 2013

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL
PLANS AND SPEC SURVEY
(POST SANDY)

VH-109

SHEET 9 OF 18

1354
3918/3934 D/N1/N2

LOCAL CONTROL DATA
BENCHMARK: D 37 (KV0199)
ELEVATION: 39.21' NAVD 1988

NSRS BENCHMARK
BENCHMARK: J 37 (KV0210)
ELEVATION: 11.77' NAVD 1988

NOTE:

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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PDC	EDITOR
PDC	CARTOGRAPHER

DATES OF SURVEY:
28-29 JAN
4-7,12-14,19-21,25-28 FEB
1 MAR 2013

FILE NO.: 1354
REQUEST NO.: 3918/3934 D/N1/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
857

APPROVED: D. SMITH / D. SWAIN / M. APPELD
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LEAD CARTOGRAPHER

APPROVED: F. POSTIGLIONE / J. MRAZ
CHIEF OF SURVEYS / ASIA FLOAT OF SURVEYS

DATE: 07 MARCH 2013

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL
PLANS AND SPEC SURVEY
(POST SANDY)

VH-110

SHEET 10 OF 18

1354
3918/3934 D/N1/N2

CORPS OF ENGINEERS

U. S. ARMY

LOCAL CONTROL DATA
BENCHMARK: D 37 (KV0199)
ELEVATION: 39.21' NAVD 1988

NSRS BENCHMARK
BENCHMARK: J 37 (KV0210)
ELEVATION: 11.77' NAVD 1988

NOTE:

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COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM NAD 1983

SOUNDINGS REFER TO THE PLANE OF C.O.E. MEAN LOW WATER.

THE PLANE OF C.O.E. MEAN LOW WATER:
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(FROM RAHWAY RIVER TO ST. GEORGE IS 3.4 FEET BELOW NAVD 1988)

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THE CONTOURS ON THIS MAP WERE GENERATED USING THE 5' DATA SET.

THIS SURVEY WAS PERFORMED USING RTK GPS FROM THE NY DOT NETWORK.

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

PDC	EDITOR
PDC	CARTOGRAPHER

DATES OF SURVEY:
28,29 JAN
4-7,12-14,19-21,25-28 FEB
1 MAR 2013

FILE NO.: 1354
REQUEST NO.: 3918/3934 D/N1/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
857

APPROVED: D. SMITH / D. SWAIN / M. APPELD
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
CHIEF CARTOGRAPHER

APPROVED: F. POSTIGLIONE / J. MRAZ
CHIEF OF SURVEYS / DEPUTY CHIEF OF SURVEYS

DATE: 07 MARCH 2013

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS

ARTHUR KILL

PLANS AND SPEC SURVEY
(POST SANDY)

VH-111

SHEET 11 OF 18

1354
3918/3934 D/N1/N2

LOCAL CONTROL DATA
BENCHMARK: D 37 (KV0199)
ELEVATION: 39.21' NAVD 1988

NSRS BENCHMARK
BENCHMARK: J 37 (KV0210)
ELEVATION: 11.77' NAVD 1988

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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PDC	EDITOR
PDC	CARTOGRAPHER

DATES OF SURVEY:
28,29 JAN
4-7,12-14,19-21,25-28 FEB
1 MAR 2013

FILE NO.: 1354
REQUEST NO.: 3918/3934 D/N1/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
857

APPROVED: D. SMITH / D. SWAIN / M. APPELD
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LEAD CARTOGRAPHER

APPROVED: F. POSTIGLIONE / J. MRAZ
CHIEF OF SURVEYS / ASST CHIEF OF SURVEYS

DATE: 07 MARCH 2013

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL
PLANS AND SPEC SURVEY
(POST SANDY)

VH-112

SHEET 12 OF 18

1354
3918/3934 D/N1/N2

LOCAL CONTROL DATA
BENCHMARK: D 37 (KV0199)
ELEVATION: 39.21' NAVD 1988

NSRS BENCHMARK
BENCHMARK: J 37 (KV0210)
ELEVATION: 11.77' NAVD 1988

NOTE:

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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

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FIELD BOOKS:
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APPROVED: D. SMITH / D. SWAIN / M. APPELD
FIELD CARTOGRAPHER
APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE
CHIEF CARTOGRAPHER
APPROVED: F. POSTIGLIONE / J. MRAZ
CHIEF OF SURVEYS / ASSN'T CHIEF OF SURVEYS
DATE: 07 MARCH 2013

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL
PLANS AND SPEC SURVEY
(POST SANDY)

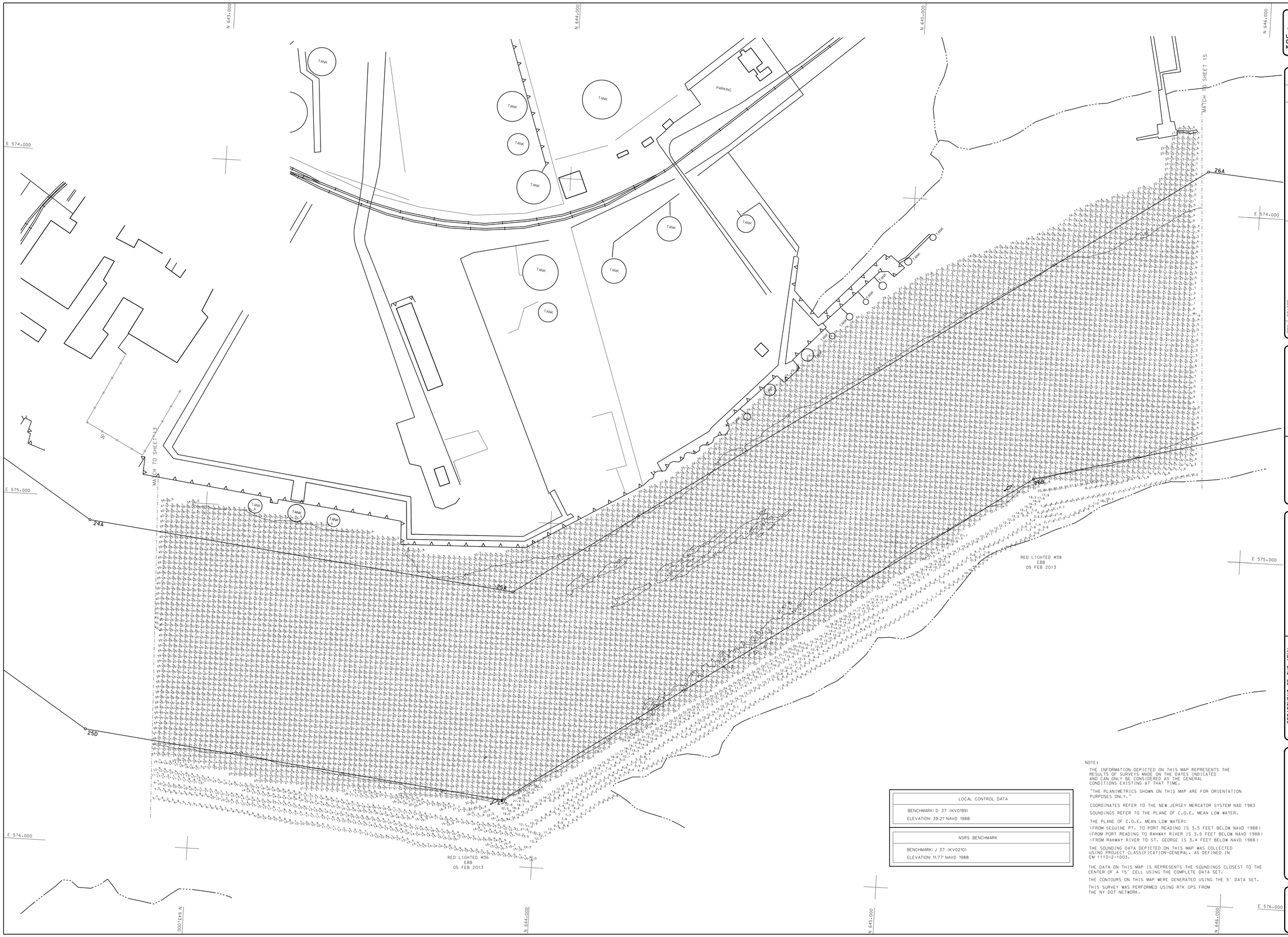
VH-113

SHEET 13 OF 18

1354
3918/3934 D/N1/N2

CORPS OF ENGINEERS

U. S. ARMY



LOCAL CONTROL DATA
BENCHMARK: D 37 (KV0199) ELEVATION: 39.21' NAVD 1988

NSRS BENCHMARK
BENCHMARK: J 37 (KV0210) ELEVATION: 11.77' NAVD 1988

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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PDC	EDITOR
PDC	CARTOGRAPHER

DATES OF SURVEY:
28-29 JAN
4-7,12-14,19-21,25-28 FEB
1 MAR 2013

FILE NO.: 1354
REQUEST NO.: 3918/3934 D/N1/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
857

APPROVED: D. SMITH / D. SWAIN / M. APPELD
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LEAD CARTOGRAPHER

APPROVED: F. POSTIGLIONE / J. MRAZ
CHIEF OF SURVEYS / AREA CHIEF OF SURVEYS

DATE: 07 MARCH 2013

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

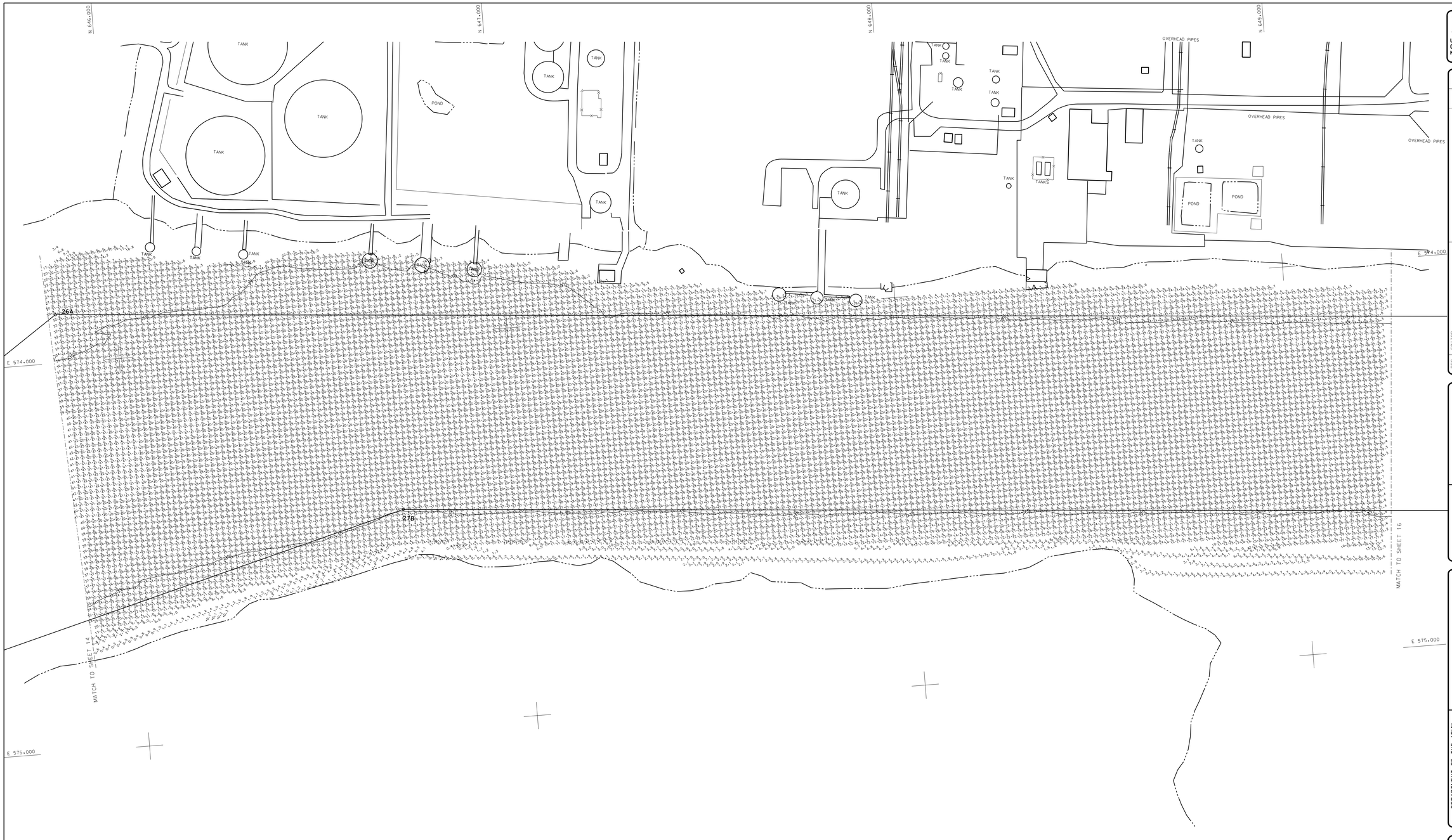
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL
PLANS AND SPEC SURVEY
(POST SANDY)

VH-114

SHEET 14 OF 18

1354
3918/3934 D/N1/N2



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ELEVATION: 39.21' NAVD 1988

NSRS BENCHMARK
BENCHMARK: J 37 (KV0210)
ELEVATION: 11.77' NAVD 1988

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PDC EDITOR
PDC CARTOGRAPHER

DATES OF SURVEY:
24-29 JAN
4,12-14,19-21,25-28 FEB
1 MAR 2013

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: 857

FILE NO.: 1354
REQUEST NO.: 3918/3934 D/N1/N2

APPROVED: D. SMITH / D. SWAIN / M. APPELD
FIELD CARTOGRAPHER
APPROVED: M. FORTE
CHIEF, HYDROGRAPHIC TECHNICIAN
APPROVED: D. CLARKE
CHIEF CARTOGRAPHER
APPROVED: F. POSTIGLIONE / J. MRAZ
CHIEF, OPERATIONS DIVISION / CHIEF OF SURVEYS
DATE: 07 MARCH 2013

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS

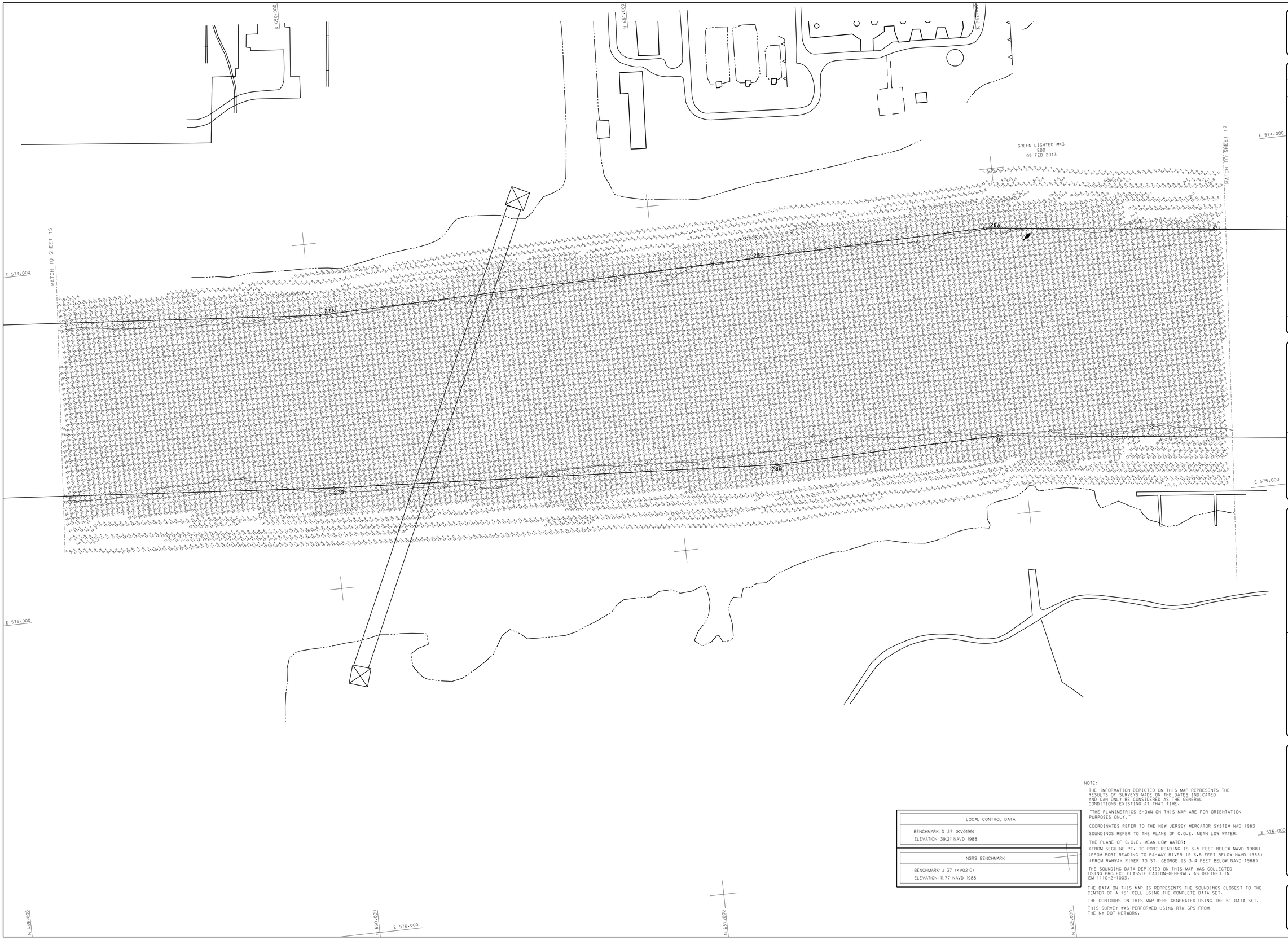
ARTHUR KILL

PLANS AND SPEC SURVEY
(POST SANDY)

VH-115

SHEET 15 OF 18

1354
3918/3934 D/N1/N2



LOCAL CONTROL DATA
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ELEVATION: 39.21' NAVD 1988

NSRS BENCHMARK
BENCHMARK: J 37 (KV0210)
ELEVATION: 11.77' NAVD 1988

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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PDC	EDITOR
PDC	CARTOGRAPHER

DATES OF SURVEY:
28,29 JAN
4-7,12-14,19-21,25-28 FEB
1 MAR 2013

FILE NO.: 1354
REQUEST NO.: 3918/3934 D/N1/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
857

APPROVED: D. SMITH / D. SWAIN / M. APPELD
FIELD CARTOGRAPHER
APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE
LEAD CARTOGRAPHER
APPROVED: F. POSTIGLIONE / J. MRAZ
CHIEF OF SURVEYS / ASSN. CHIEF OF SURVEYS
DATE: 07 MARCH 2013

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

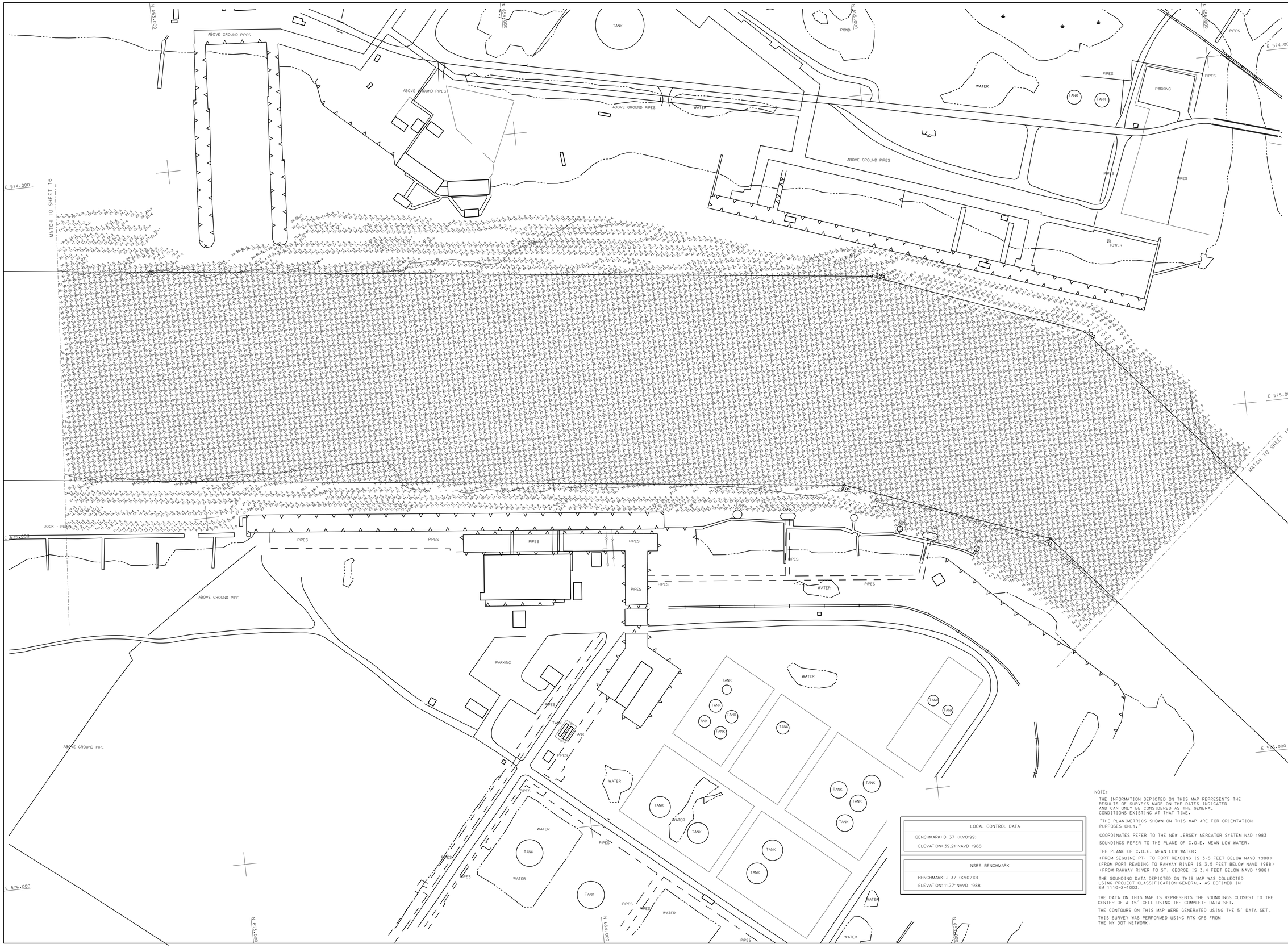
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL
PLANS AND SPEC SURVEY
(POST SANDY)

VH-116

SHEET 16 OF 18

1354
3918/3934 D/N1/N2



LOCAL CONTROL DATA
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BENCHMARK: J 37 (KV0210)
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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PDC EDITOR
PDC CARTOGRAPHER

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28,29 JAN
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SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
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FIELD CARTOGRAPHER
APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE
LEAD CARTOGRAPHER
APPROVED: F. POSTIGLIONE / J. MRAZ
CHIEF OF SURVEYS / ASSN'T CHIEF OF SURVEYS
DATE: 07 MARCH 2013

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL
PLANS AND SPEC SURVEY
(POST SANDY)

VH-117

SHEET 17 OF 18

1354
3918/3934 D/N1/N2

CORPS OF ENGINEERS

U. S. ARMY

LOCAL CONTROL DATA
BENCHMARK: D 37 (KV0199)
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BENCHMARK: J 37 (KV0210)
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NEW YORK DISTRICT

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APPROVED: D. CLARKE
LEAD CARTOGRAPHER

APPROVED: F. POSTIGLIONE / J. MRAZ
CHIEF OF SURVEYS / FORM CHIEF OF SURVEYS

DATE: 07 MARCH 2013

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OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS

ARTHUR KILL

PLANS AND SPEC SURVEY
(POST SANDY)

VH-118

SHEET 18 OF 18

1354
3918/3934 D/N1/N2