U. S. ARMY

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

FILED BOOKS:	
SCALE: ONE INCH = 1200 FEET	
DATES OF SURVEY: 19 APRIL - 3 MAY & 11-14 & 18-20 JUN 2012	FILE NO.: 1347 REQUEST NO.: 3825N/N3

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

OPERATIONS DIVISION
SURVEY SECTION
CEMAN-OP-S

APPROVED: P. BAHDUR
FIELD CHROMAPHER
APPROVED: M. FORTE
CHIEF ENGINEERING TECHNICIAN
APPROVED: D. CLARKE
LEAD CHROMAPHER
APPROVED: F. POSTILIONE
CHIEF OF SURVEYS
DATE: 10 JULY 2012

NEW YORK & NEW JERSEY CHANNELS

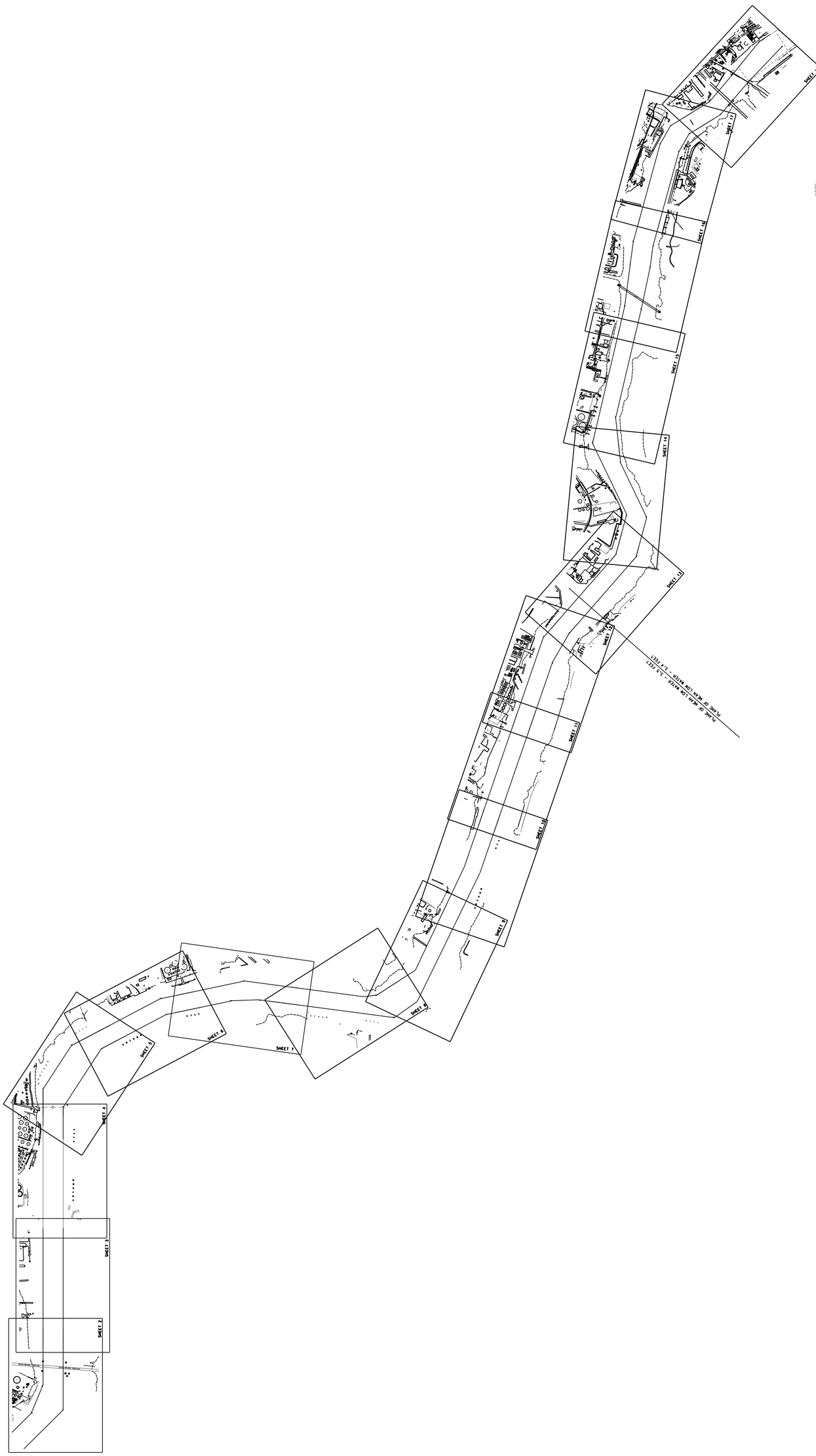
ARTHUR KILL

CONDITION SURVEY

VH-101

SHEET 1 OF 18

1347
3825N/N3



NOTE:
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND MAY NOT NECESSARILY REPRESENT THE GENERAL CONDITIONS EXISTING AT THAT TIME.
COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM (NAD 1983)
SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER
THE PLANE OF 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 COORDINATES AND POSITIONS OF THE RANGES WERE COMPUTED USING PROJECT CLASSIFICATION-GENERAL AS DEFINED IN EM 1110-2-1003.
THE ELEVATIONS ON THIS MAP REPRESENTS THE SOUNDINGS CLOSEST TO THE CENTER OF A 15' CELL USING "THE COMPLETE DATA SET".

THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION VETERAN AND BM 7.THE.

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

NGRS BENCHMARK
NGRS BENCHMARK: J37 (KV0210) ELEVATION: 11.77' NAVD 1988

CORPS OF ENGINEERS

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

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 DATA ON THIS MAP IS REPRESENTS THE SOUNDINGS CLOSEST TO THE CENTER OF A 15' CELL USING THE COMPLETE DATA SET.

THIS SURVEY WAS PERFORMED USING REAL KINEMATIC GPS FROM STATION BM VETERAN AND BM FIRE.

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

DATES OF SURVEY:
19 APRIL, 2, MAY & 11, 14, & 29 JUNE 2012

FILE NO.: 1347
REQUEST NO.: 3825N1/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: P. BAHOUR FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE LEAD CARTOGRAPHER
APPROVED: F. POSTIGLIONE CHIEF OF SURVEYS
DATE: 10 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 & NEW JERSEY CHANNELS
ARTHUR KILL
CONDITION SURVEY

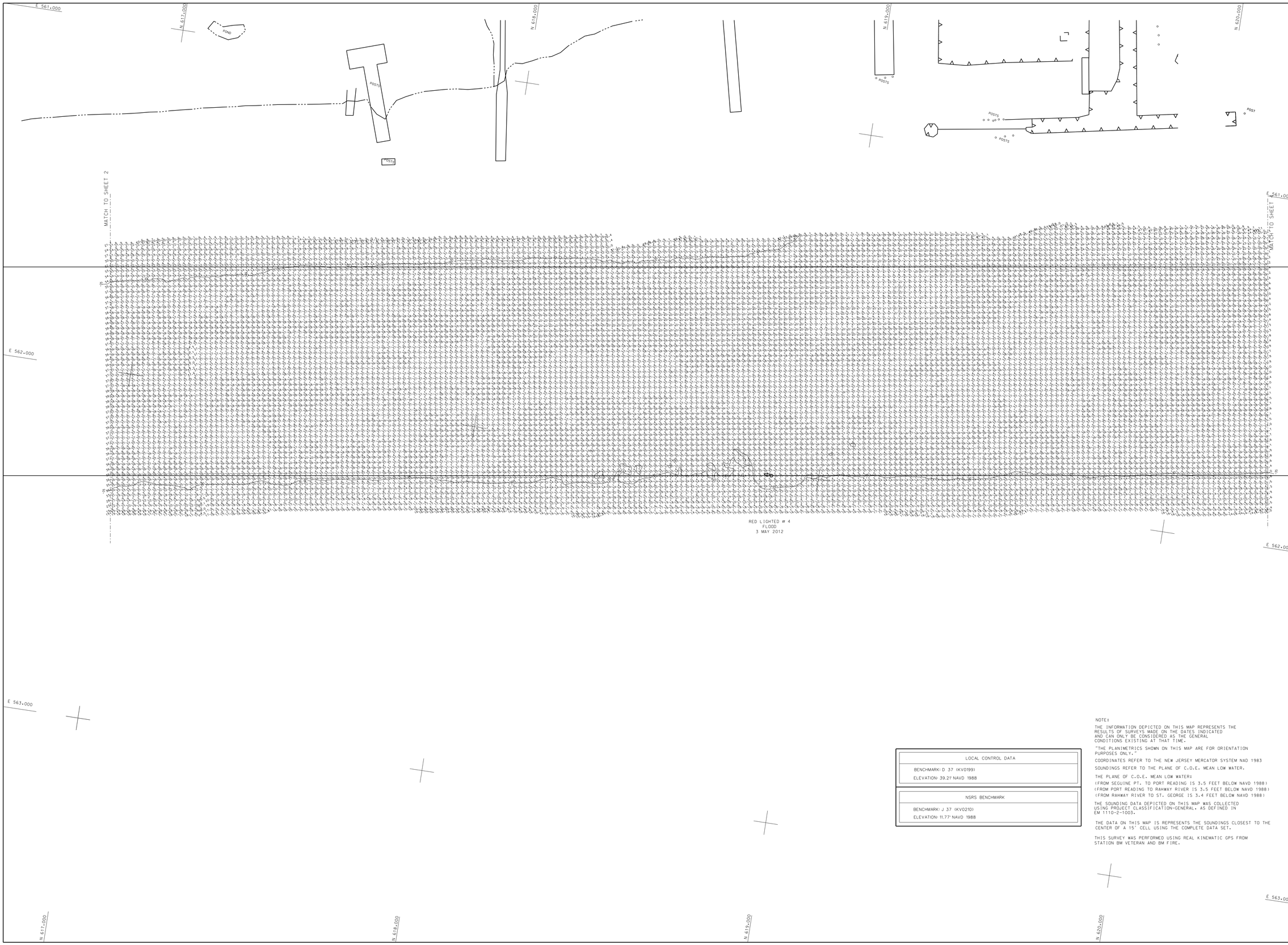
VH-102

SHEET 2 OF 18

1347
3825N1/N3

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

DATES OF SURVEY:
19 APRIL, 3 MAY &
11-14 & 18-20 JUNE 2012

FILE NO.: 1347
REQUEST NO.: 3825N1/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: P. BMASOR
FIELD CARTOGRAPHER

APPROVED: M. FORTE
LEAD PHOTOGRAPHIC TECHNICIAN

APPROVED: D. CLARKE
CHIEF CARTOGRAPHER

APPROVED: F. POSTIGLIONE
CHIEF OF SURVEYS

DATE: 10 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 & NEW JERSEY CHANNELS
ARTHUR KILL
CONDITION SURVEY

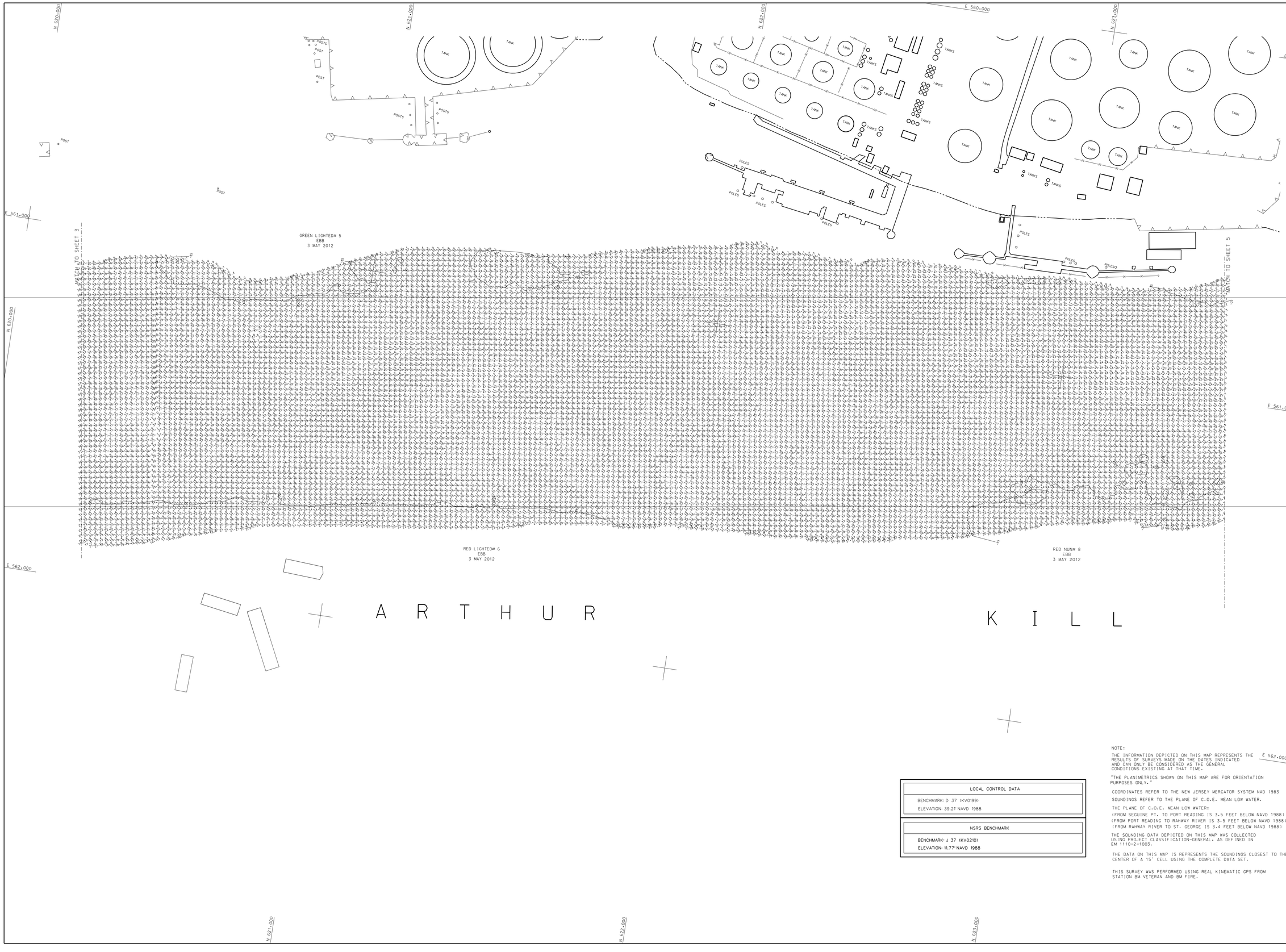
VH-103

SHEET 3 OF 18

1347
3825N1/N3

CORPS OF ENGINEERS

U. S. ARMY



LOCAL CONTROL DATA
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US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

DATES OF SURVEY:
19 APRIL, 3 MAY &
1 JUN & 19-20 JUNE 2012

FILE NO.: 1347
REQUEST NO.: 3825N1/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: P. BHAGUR FIELD SUPERVISOR
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE CHIEF SUPERVISOR
APPROVED: F. POSTIGLIONE CHIEF OF SURVEYS
DATE: 10 JULY 2012

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

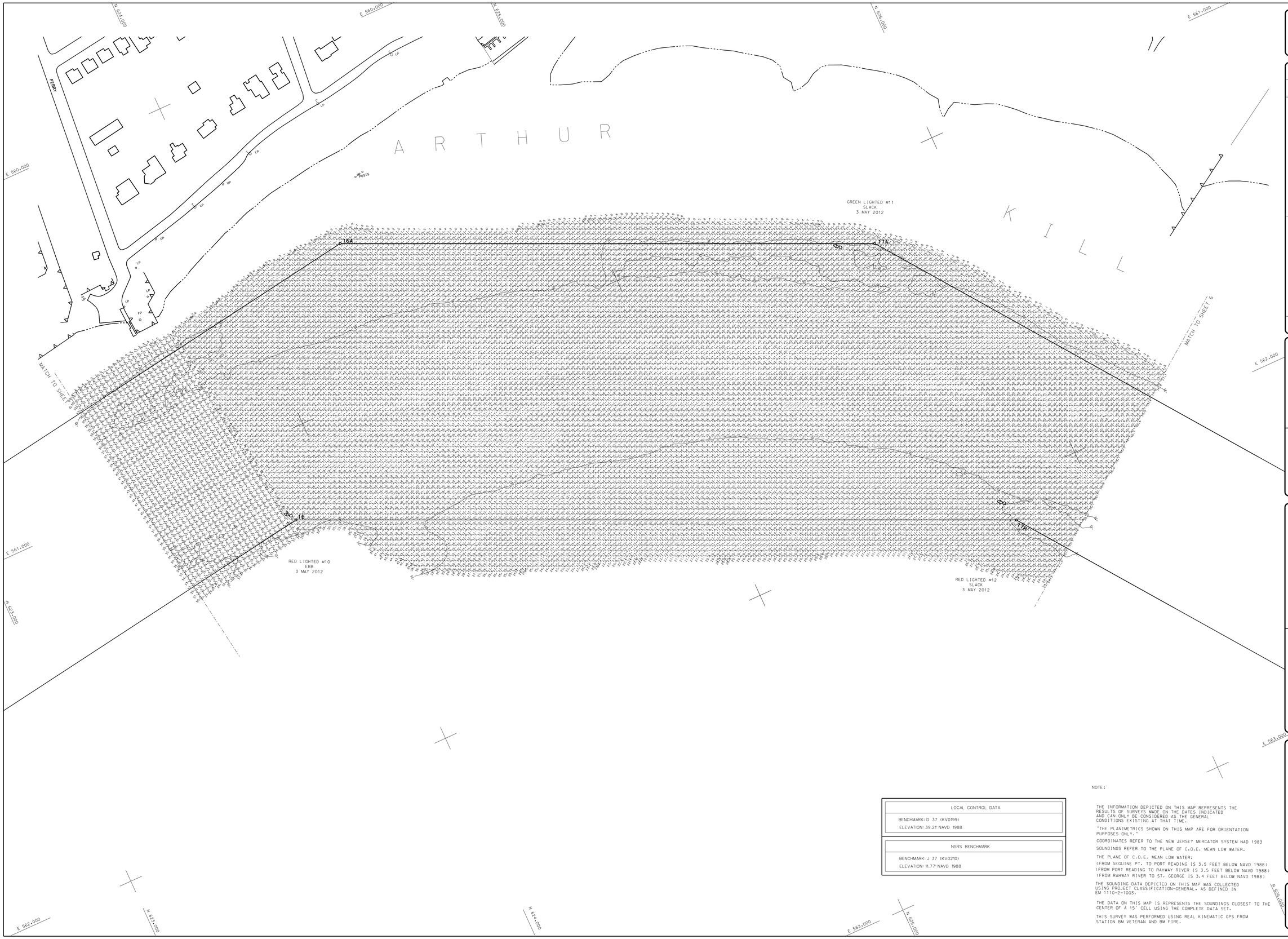
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNEL
ARTHUR KILL CHANNEL
CONDITION SURVEY

VH-104

SHEET 4 OF 18

1347
3825N1/N3



LOCAL CONTROL DATA
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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
19 APRIL, 3 MAY &
11-14 & 18-20 JUNE 2012

FILE NO.: 1347
REQUEST NO.: 3825N1/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: P. BHADUR
APPROVED: M. FORTE — CHIEF CARTOGRAPHER
APPROVED: D. CLARK — CHIEF, ENGINEERING TECHNICIAN
APPROVED: F. POSTIGLIONE — CHIEF CARTOGRAPHER
DATE: 10 JULY 2012 — DATE OF SURVEY

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

CONDITION SURVEY

VH-105

SHEET 5 OF 18

1347
3825N1/N3

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
15 APRIL - 1 MAY
11-14 & 18-20 JUNE 2012

FILE NO.: 1347
REQUEST NO.: 3825N1/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: P. BHADUR
FIELD CARTOGRAPHER
APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE
LEAD CARTOGRAPHER
APPROVED: F. POSTIGLIONE
CHIEF OF SURVEYS
DATE: 10 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 & NEW JERSEY CHANNELS
ARTHUR KILL
CONDITION SURVEY

VH-106

SHEET 6 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

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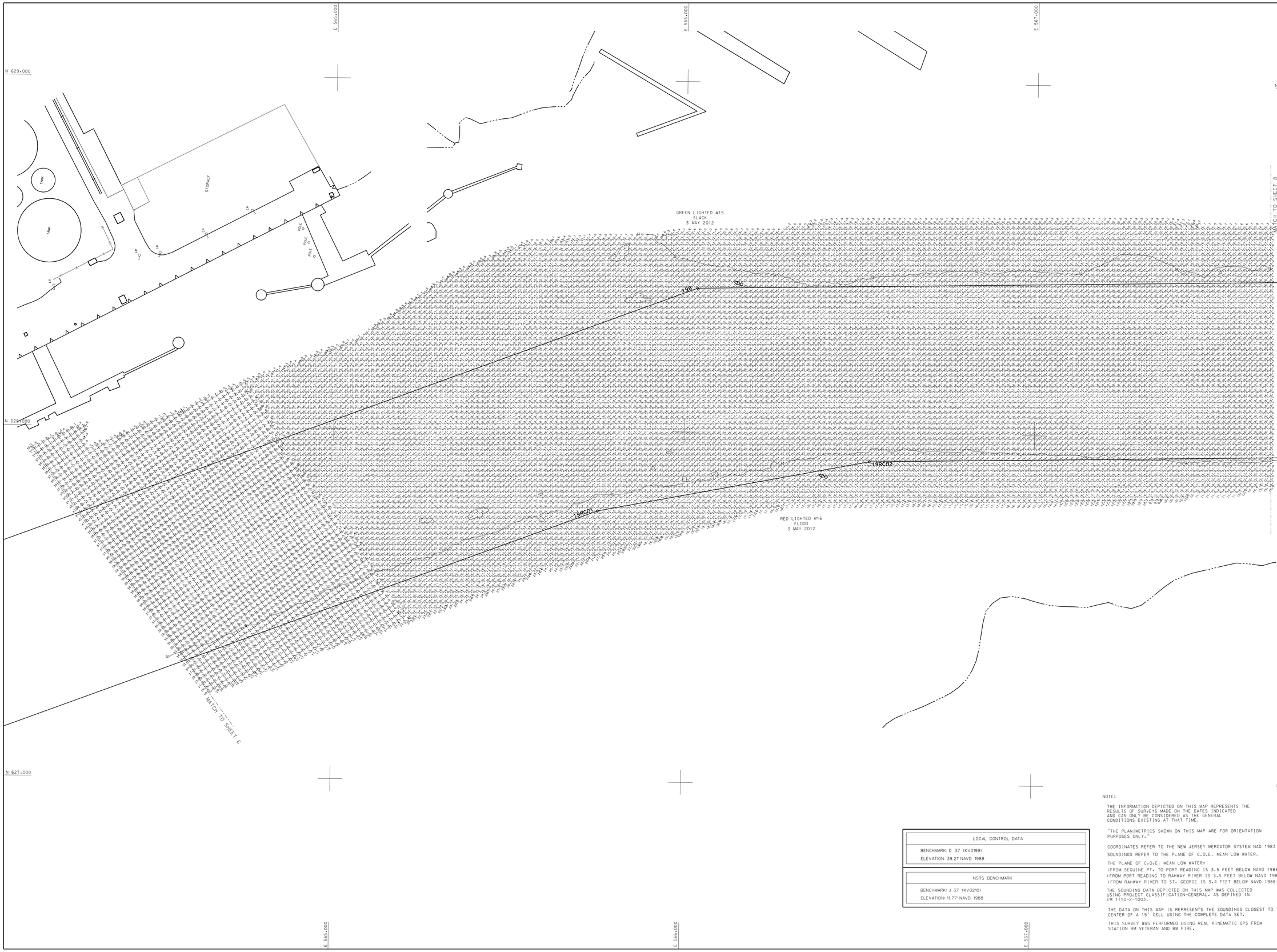
CORPS OF ENGINEERS

U. S. ARMY



LOCAL CONTROL DATA
BENCHMARK: D 37 (KV0199)
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NSRS BENCHMARK
BENCHMARK: J 37 (KV0210)
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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
4,11,13,26-27,29 APR
1,6 MAY 2011

FILE NO.:1347
REQUEST NO.: 3847N1/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: P. BHADUR — FIELD CARTOGRAPHER
APPROVED: M. FIORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE — CAD CARTOGRAPHER
APPROVED: F. POSTIGLIONE — CHIEF OF SURVEY
DATE: 10 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 & NEW JERSEY CHANNELS

ARTHUR KILL

CONDITION SURVEY

VH-107

SHEET 7 OF 18

1347
3825N1/N3

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

DATES OF SURVEY:
19 APRIL, 3 MAY &
11-14 & 18-20 JUNE 2012

FILE NO.: 1347
RUNID NO.: 3825N1/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: P. BHADUR FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE CHIEF CARTOGRAPHER
APPROVED: F. POSTIGLIONE CHIEF OF SURVEY
DATE: 10 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 & NEW JERSEY CHANNELS

ARTHUR KILL

CONDITION SURVEY

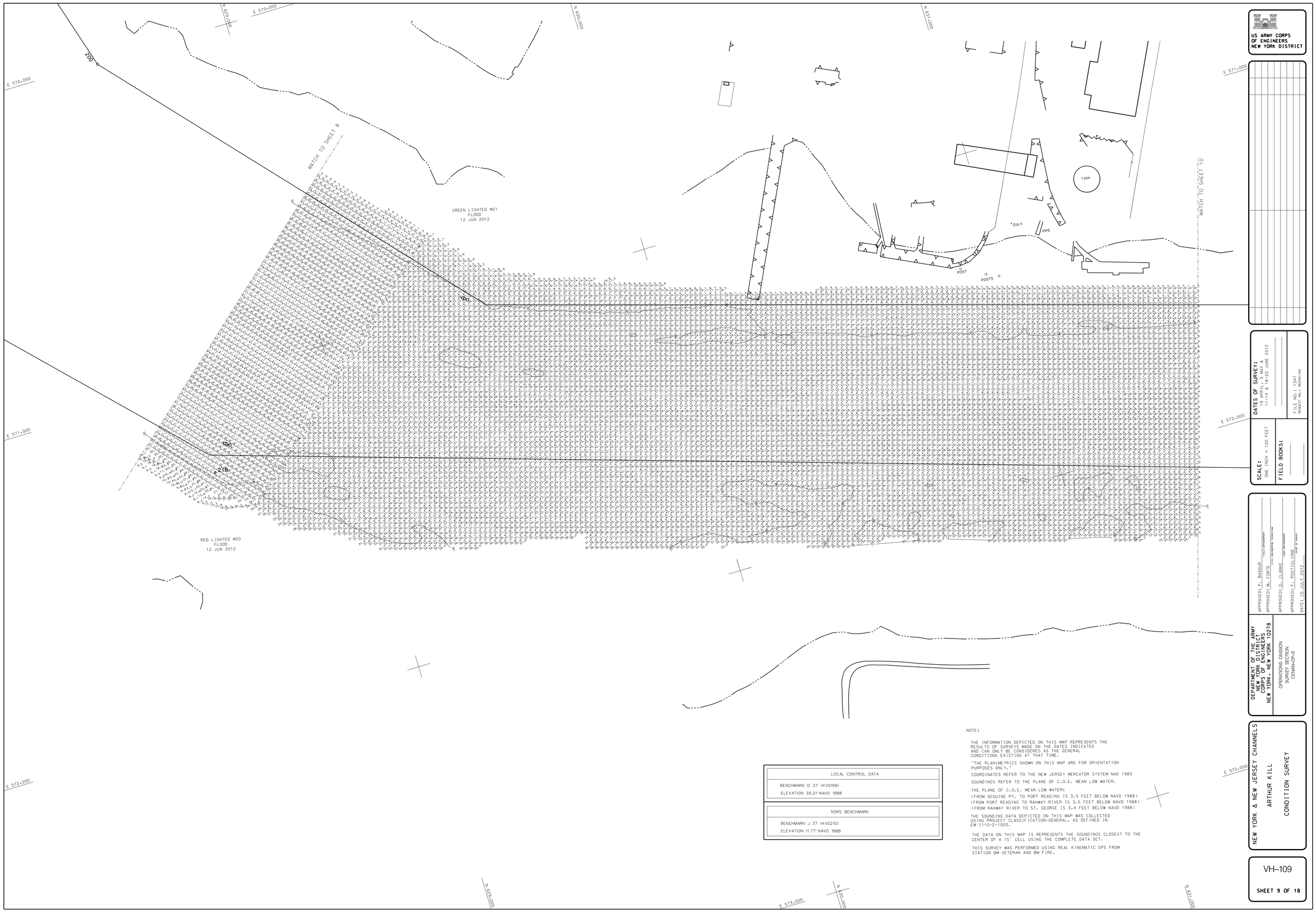
VH-108

SHEET 8 OF 18

1347
3825N1/N3

CORPS OF ENGINEERS

U. S. ARMY



LOCAL CONTROL DATA
BENCHMARK: D 37 (KV0199)
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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

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19 APRIL, 3 MAY &
11-14 & 18-20 JUNE 2012

FILE NO.: 1347
PROJECT NO.: 3825N1/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: P. BHADUR FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE LAND CARTOGRAPHER
APPROVED: E. POSTIGLIONE CHIEF OF SURVEY
DATE: 10 JULY 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL
CONDITION SURVEY

VH-109

SHEET 9 OF 18

1347
3825N1/N3

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

NSRS BENCHMARK
BENCHMARK: J 37 (KV0210)
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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
19 APRIL, 3 MAY &
31,14 & 19-20 JUNE 2012

FILE NO.: 1347
REQUEST NO.: 3825N1/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: P. BHADUR — FIELD SUPERVISOR
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE — LEAD CARTOGRAPHER
APPROVED: F. ROSTIGLIONE — CHIEF OF SURVEY
DATE: 10 JULY 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENWA-OP-S

NEW YORK & NEW JERSEY CHANNELS

ARTHUR KILL

CONDITION SURVEY

VH-110

SHEET 10 OF 18

CORPS OF ENGINEERS

U. S. ARMY

LOCAL CONTROL DATA
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(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 IS REPRESENTS THE SOUNDINGS CLOSEST TO THE CENTER OF A 15' CELL USING THE COMPLETE DATA SET.

THIS SURVEY WAS PERFORMED USING REAL KINEMATIC GPS FROM STATION BM VETERAN AND BM FIRE.

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

DATES OF SURVEY:
19 APRIL, 3 MAY &
11-14 & 18-20 JUNE 2012

FILE NO.: 1347
REQUEST NO.: 3825NT/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: P. BRADUR FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE LAN CARTOGRAPHER
APPROVED: F. POSTIGLIONE CHIEF OF SURVEYS
DATE: 10 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 & NEW JERSEY CHANNELS

ARTHUR KILL

CONDITION SURVEY

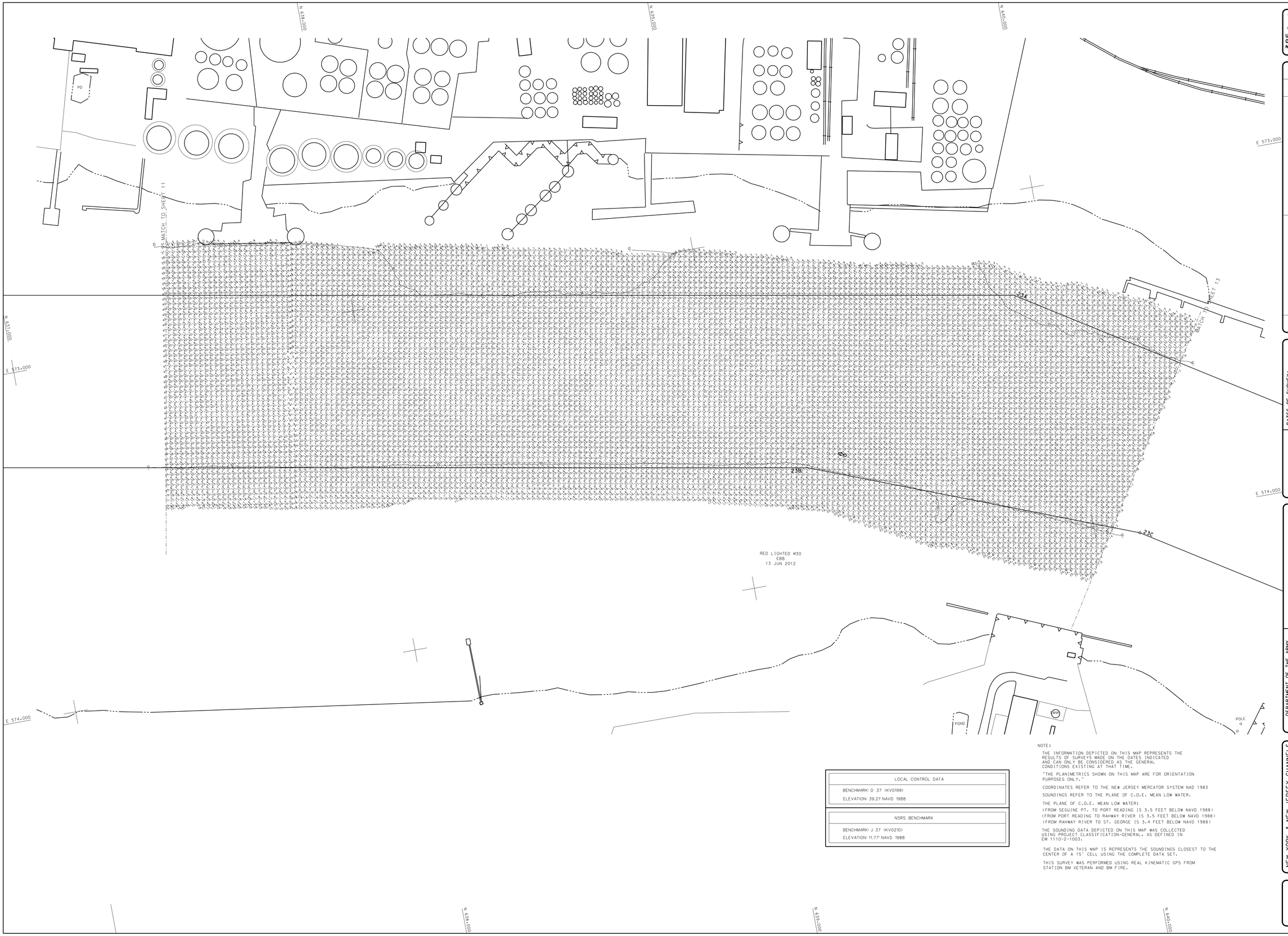
VH-111

SHEET 11 OF 18

1347
3825NT/N3

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:

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:
(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)

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THIS SURVEY WAS PERFORMED USING REAL KINEMATIC GPS FROM STATION BM VETERAN AND BM FIRE.

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
13 APRIL - 14 MAY
11 - 14 & 18 - 20 JUNE 2012

FILE NO.-1347
REQUEST NO.: 3825N1/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: P. BHADUR — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE — FIELD CARTOGRAPHER
APPROVED: F. POSTIGLIONE — CHIEF OF SURVEYS
DATE: 13 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 & NEW JERSEY CHANNELS

ARTHUR KILL

CONDITION SURVEY

VH-112

SHEET 12 OF 18

1347
3825N1/N3

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 REAL KINEMATIC GPS FROM STATION BM VETERAN AND BM FIRE.

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
VESSEL: SURVEY LAUNCH
11-14 & 18-20 JUNE 2012

FILE NO.: 1347
REQUEST NO.: 3825N1/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: P. BHADUR — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE — CHIEF CARTOGRAPHER
APPROVED: F. POSTIGLIONE — CHIEF OF SURVEYS
DATE: 10 JULY 2012

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

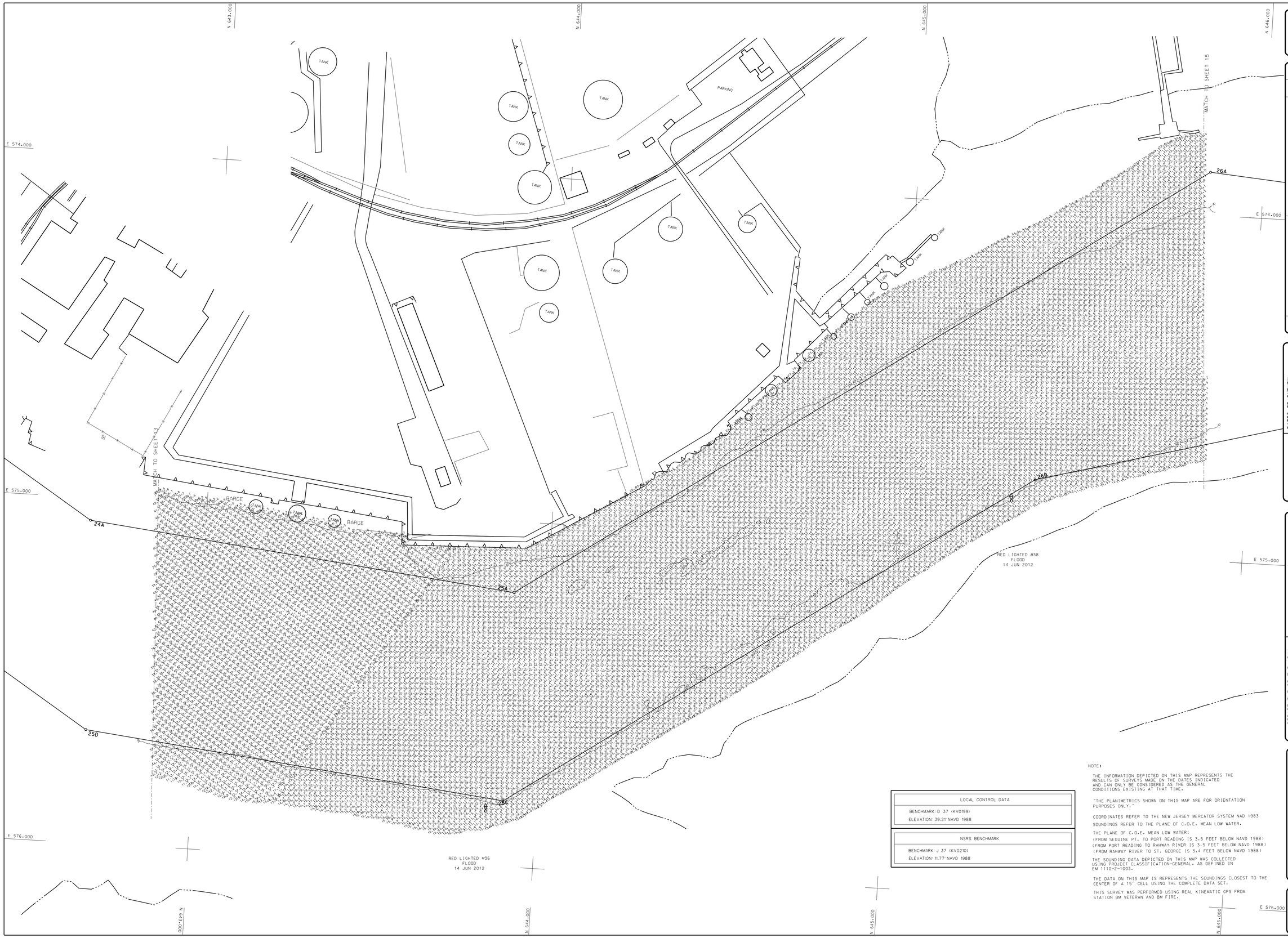
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL
CONDITION SURVEY

VH-113

SHEET 13 OF 18

1347
3825N1/N3



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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THIS SURVEY WAS PERFORMED USING REAL KINEMATIC GPS FROM STATION BM VETERAN AND BM FIRE.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
19 APRIL, 3 MAY &
11-14 & 18-20 JUNE 2012

FILE NO.: 1347
REQUEST NO.: 3825N1/N3

SCALE: ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: F. BHADUM FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE LEAD CARTOGRAPHER
APPROVED: F. POSTIGLIONE CHIEF OF SURVEYS
DATE: 10 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 & NEW JERSEY CHANNELS

ARTHUR KILL

CONDITION SURVEY

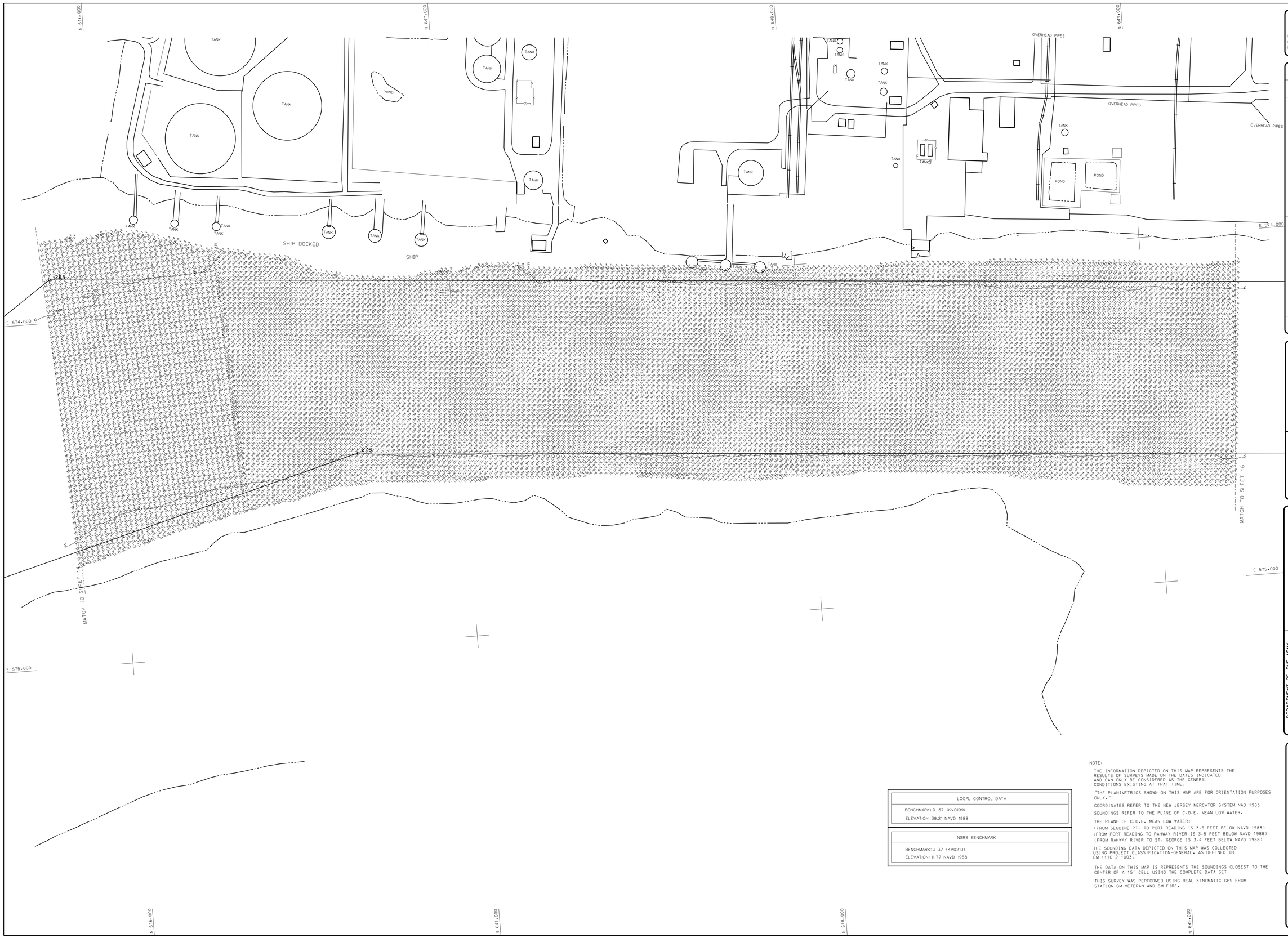
VH-114

SHEET 14 OF 18

1347
3825N1/N3

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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THIS SURVEY WAS PERFORMED USING REAL KINEMATIC GPS FROM STATION BM VETERAN AND BM FIRE.

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

DATES OF SURVEY:
13 APRIL 2012
11 & 18-20 JUNE 2012

FILE NO.: 1347
REQUEST NO.: 3825N1/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: P. BHABUT FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE LEAD CARTOGRAPHER
APPROVED: F. POSTIGLIONE CHIEF OF SURVEYS
DATE: 10 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 & NEW JERSEY CHANNELS

ARTHUR KILL

CONDITION SURVEY

VH-115

SHEET 15 OF 18

1347
3825N1/N3

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 REAL KINEMATIC GPS FROM STATION BM VETERAN AND BM FIRE.

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
19 APRIL - 3 MAY &
11 & 18 & 20 JUNE 2012

FILE NO.: 1347
REQUEST NO.: 3825N1/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: P. BHADUR FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE LIAC CARTOGRAPHER
APPROVED: F. POSTIGLIONE CHIEF OF SURVEYS
DATE: 10 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 & NEW JERSEY CHANNEL

ARTHUR KILL

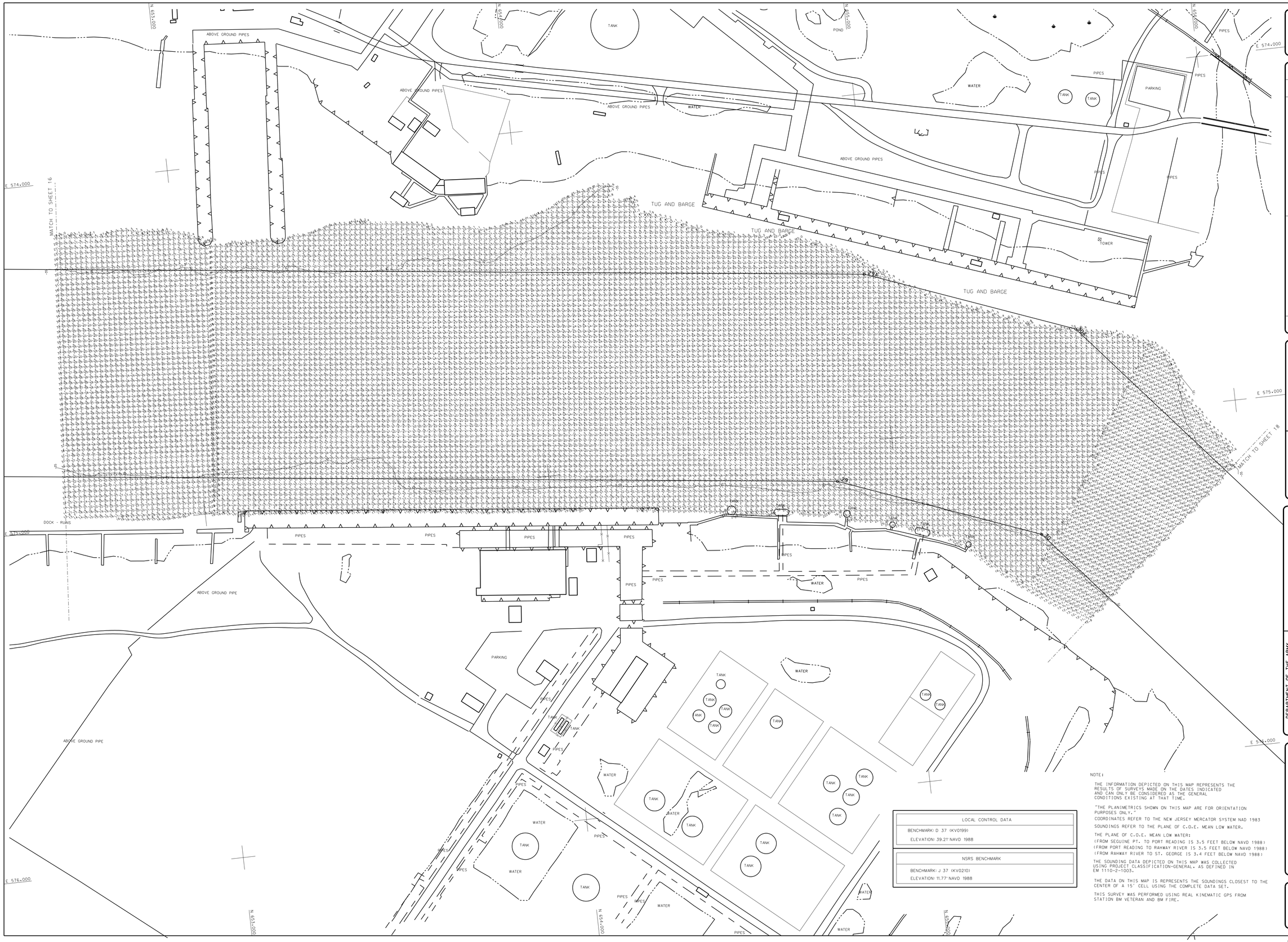
CONDITION SURVEY

VH-116

SHEET 16 OF 18

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

DATES OF SURVEY:
19 APRIL - MAY
14 & 18-20 JUNE 2012

FILE NO.: 1347
REQUEST NO.: 3825 N1/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: R. BHADUR FIELD CARTOGRAPHER
APPROVED: M. FORTE CHIEF, HYDROGRAPHIC TECHNICIAN
APPROVED: D. CLARKE LEAD CARTOGRAPHER
APPROVED: F. POSTIGLIONE CHIEF OF SURVEYS
DATE: 10 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 & NEW JERSEY CHANNELS
ARTHUR KILL
CONDITION SURVEY

VH-117

SHEET 17 OF 18

1347
3825N1/N3

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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US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

DATES OF SURVEY:
SURVEYS WERE MADE ON
11-14 & 18-20 JUNE 2012

FILE NO.: 1347
REQUEST NO.: 3825N1/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: P. BRADUR FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE LEAD CARTOGRAPHER
APPROVED: F. POSTIGLIONE CHIEF OF SURVEYS
DATE: 10 JULY 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENWA-OP-S

NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL
CONDITION SURVEY

VH-118

SHEET 18 OF 18

1347
3825N1/N3