CORPS OF ENGINEERS

U. S. ARMY

N 818,000

N 819,000

N 820,000

N 821,000

E 664,000

E 665,000

E 666,000

(GRID NORTH)

LAYOUT

SHEET 2

SHEET 1

END 2

END 1

GREEN CAN #3
EBB
03 JAN 2018

RED NUN #4
EBB
03 JAN 2018

LIGHTHOUSE

MATCH TO SHEET 2

ROCKS

FLOATING DOCK

4651 Metadata

PROJECT METADATA MAY BE VIEWED BY DOUBLE CLICKING ON ICON EDGE.

LOCAL CONTROL DATA	
BENCHMARK:	PARK 1988
ELEVATION:	6.58' NAVD88

NSRS BENCHMARK	
BENCHMARK:	BUTTERMILK (LX4113)
ELEVATION:	711.36' NAVD88

PROJECT SPECIFIC NOTES:

-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.
-COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983. NEW YORK EAST - ZONE 3101. US SURVEY FEET.
-SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) [EPOCH 1983-2001].
-MEAN LOWER LOW WATER IS 1.9 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 3.0).
-SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN SORTED TO A 1' INTERVAL USING THE FULL DATA SET.
-CONTOURS ON THIS MAP WERE GENERATED USING THE MAP DATA SET.
-THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
-AERIAL IMAGERY PROVIDED BY NYGIS ORTHOIMAGERY (2013)
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "NYDOT".
-THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	JHS	PR
	JHS	MP

DATES OF SURVEY:
21 DEC 2017 - 3 JAN 2018

FILE NO.: 29
REQUEST NO.: 4651/N1/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

APPROVED: J. BERTOLOTTI
CHIEF, OPERATIONS DIVISION

APPROVED: M. FORTE
CHIEF, ENGINEERING MECHANICS

APPROVED: D. CLARKE
CHIEF, FIELD SURVEYS

APPROVED: J. MBAZ
CHIEF, SURVEY BRANCH

DATE: 10 JANUARY 2018

TARRYTOWN HARBOR
NEW YORK
CONDITION SURVEY

VH-101

SHEET 1 OF 2

FILE NO.: 29
REQUEST NO.: 4651/N1/N2

CORPS OF ENGINEERS

U. S. ARMY

E 664,000

N 816,000

N 817,000

N 818,000

N 819,000

E 665,000

E 666,000

(GRID) NORTH

A '76

A

GREEN CAN #1
EBB
03 JAN 2018

RED NUN #2
EBB
03 JAN 2018

GREEN CAN #3
EBB
03 JAN 2018

RED NUN #4
EBB
03 JAN 2018

M '76

M

D '76

D

K '76

K

MATCH TO SHEET 1

ROCKS

LAYOUT

SHEET 2

SHEET 1

4651 Metadata

PROJECT METADATA MAY BE VIEWED
BY DOUBLE CLICKING ON ICON EDGE.

LOCAL CONTROL DATA	
BENCHMARK:	PARK 1988
ELEVATION:	6.58' NAVD88

NSRS BENCHMARK	
BENCHMARK:	BUTTERMILK (LX4113)
ELEVATION:	711.36' NAVD88

PROJECT SPECIFIC NOTES:

-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.
-COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983. NEW YORK EAST - ZONE 3101, US SURVEY FEET.
-SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) [EPOCH 1983-2001].
-MEAN LOWER LOW WATER IS 1.9 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 3.0).
-SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN SORTED TO A 1S' INTERVAL USING THE FULL DATA SET.
-CONTOURS ON THIS MAP WERE GENERATED USING THE MAP DATA SET.
-THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
-AERIAL IMAGERY PROVIDED BY NYGIS ORTHOIMAGERY (2013)
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION 'NYDOT'.
-THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

JHS | PR
JHS | MP

DATES OF SURVEY:
21 DEC 2017 & 3 JAN 2018

FILE NO.:29
REQUEST NO.:4651/N1/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
QNA-10

APPROVED: J. BERTOLOTTI
FIELD SURVEYMAN

APPROVED: M. FORTE
STATE ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
CHIEF SURVEYMAN

APPROVED: J. MRAZ
DEPUTY CHIEF OF SURVEY

DATE: 10 JANUARY 2018

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS

TARRYTOWN HARBOR
NEW YORK
CONDITION SURVEY

VH-102

SHEET 2 OF 2

FILE NO.: 29
REQUEST NO.: 4651/N1/N2