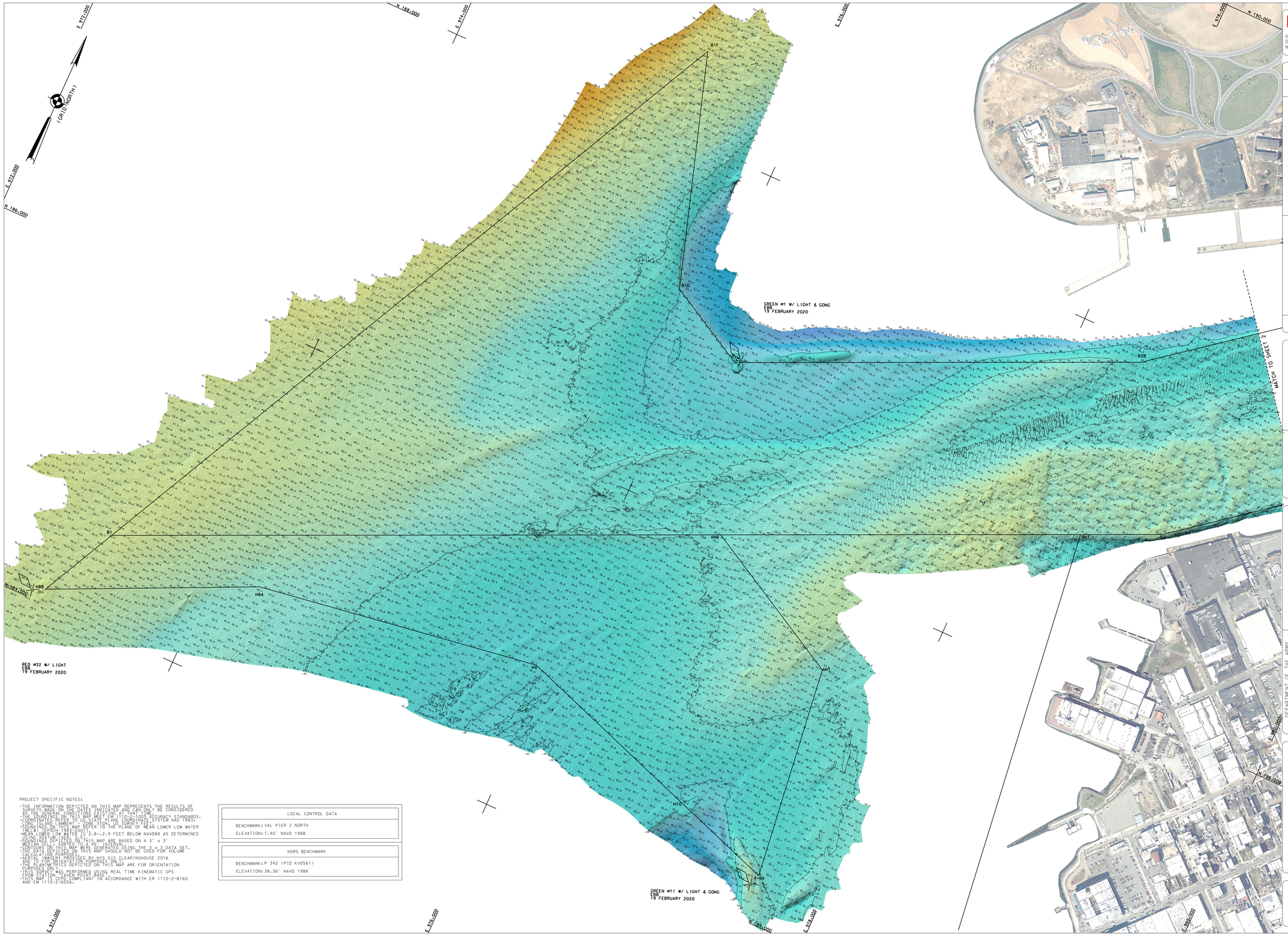
CORPS OF ENGINEERS

U. S. ARMY



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. LONG ISLAND, LAMBERT ZONE 3104, US SURVEY FEET.
-SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW). DATUM PER EM 1110-2-1003.
-USACE CHART DATUM PER EM 1110-2-1003 IS 2.8-2.9 FEET BELOW NAVD88 AS DETERMINED USING VDATUM SOFTWARE.
-SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO A 45° INTERVAL.
-CONTOURS ON THIS MAP WERE GENERATED USING THE 3 x 3 DATA SET.
-THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
-AERIAL IMAGERY PROVIDED BY NYS GIS CLEARINGHOUSE 2016
-ANY FEATURES DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "CAVEN POINT BASE".
-THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

LOCAL CONTROL DATA
BENCHMARK: VAL PIER 2 NORTH ELEVATION: 7.40' NAVD 1988

NSRS BENCHMARK
BENCHMARK: P 342 (PID KV0561) ELEVATION: 38.36' NAVD 1988

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR DS
MP DS

DATES OF SURVEY:
19 FEBRUARY-3 MARCH 2020

REQUEST NO./FILE NO.: 4921

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: LEE GEORGE III
CHIEF, FIELD OPERATIONS

APPROVED: M. FORTE
CHIEF, ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
CHIEF HYDROGRAPHER

APPROVED: F. POSTIGLIONE
CHIEF OF SURVEY

DATE: 4 MARCH 2020

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

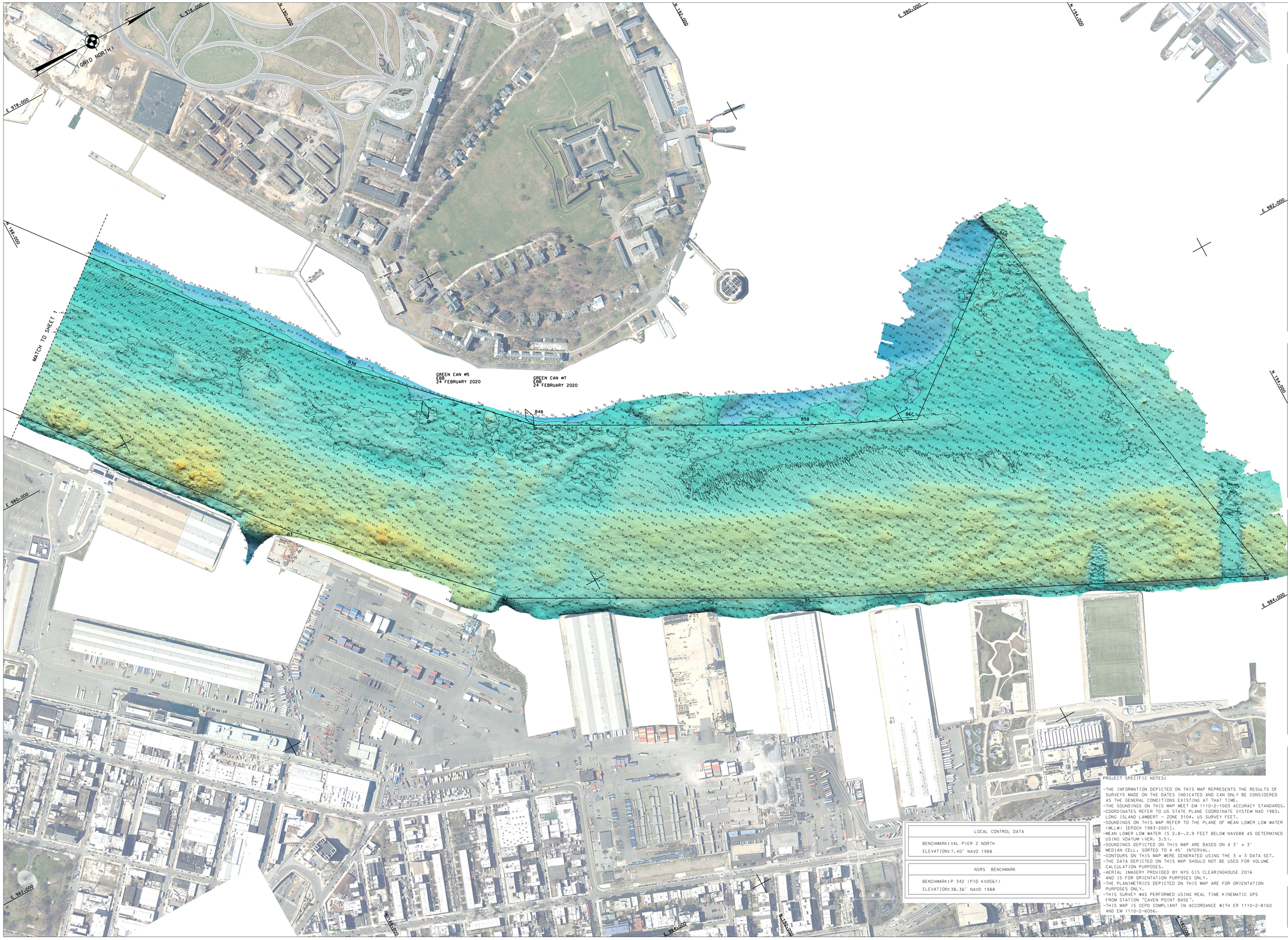
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK HARBOR
BUTTERMILK CHANNEL
CONDITION SURVEY

VH-101

SHEET 1 OF 2

REQ NO./FILE NO.:14921/D



US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

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CORPS OF ENGINEERS
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OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK HARBOR
BUTTERMILK CHANNEL
CONDITION SURVEY

VH-102

SHEET 2 OF 2

LOCAL CONTROL DATA
BENCHMARK: VAL PIER 2 NORTH
ELEVATION: 7.40' NAVD 1988

NSRS BENCHMARK
BENCHMARK: P 342 (PID KV0561)
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- SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) [EPOCH 1983-2001].
- MEAN LOWER LOW WATER IS 2.8-.2.9 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 3.5).
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