[illegible]

DATES OF SURVEY:
9-21, 23, 25-26, 28 JANUARY 2021
3-22 FEBRUARY 2021

REQ. NO./FILE NO.: 5021/D

SCALE: ONE INCH = 200 FEET	FIELD BOOKS: N/A
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DEPARTMENT OF THE ARMY NEW YORK DISTRICT CORPS OF ENGINEERS NEW YORK, NEW YORK 10278	APPROVED: P. KEARNS PROJECT MANAGER
	APPROVED: M. EORTE PROJECT MANAGER
	APPROVED: P. BHADIR UNIT COMMANDER
	APPROVED: JJ. MARZ SENIOR CHIEF OF STAFF
OPERATIONS DIVISION SURVEY SECTION GENN-CP-5	DATE: 2. MARCH 2021

NEW YORK HARBOR
BAY RIDGE/RED HOOK CHANNELS
CONDITION SURVEY

VH-104

SHEET 4 OF 4

[illegible]

9-21, 23, 25-26, 28 JANUARY 2021
3-22 FEBRUARY 2021

SCALE:
ONE INCH = 200

FIELD BOOKS:
N/A

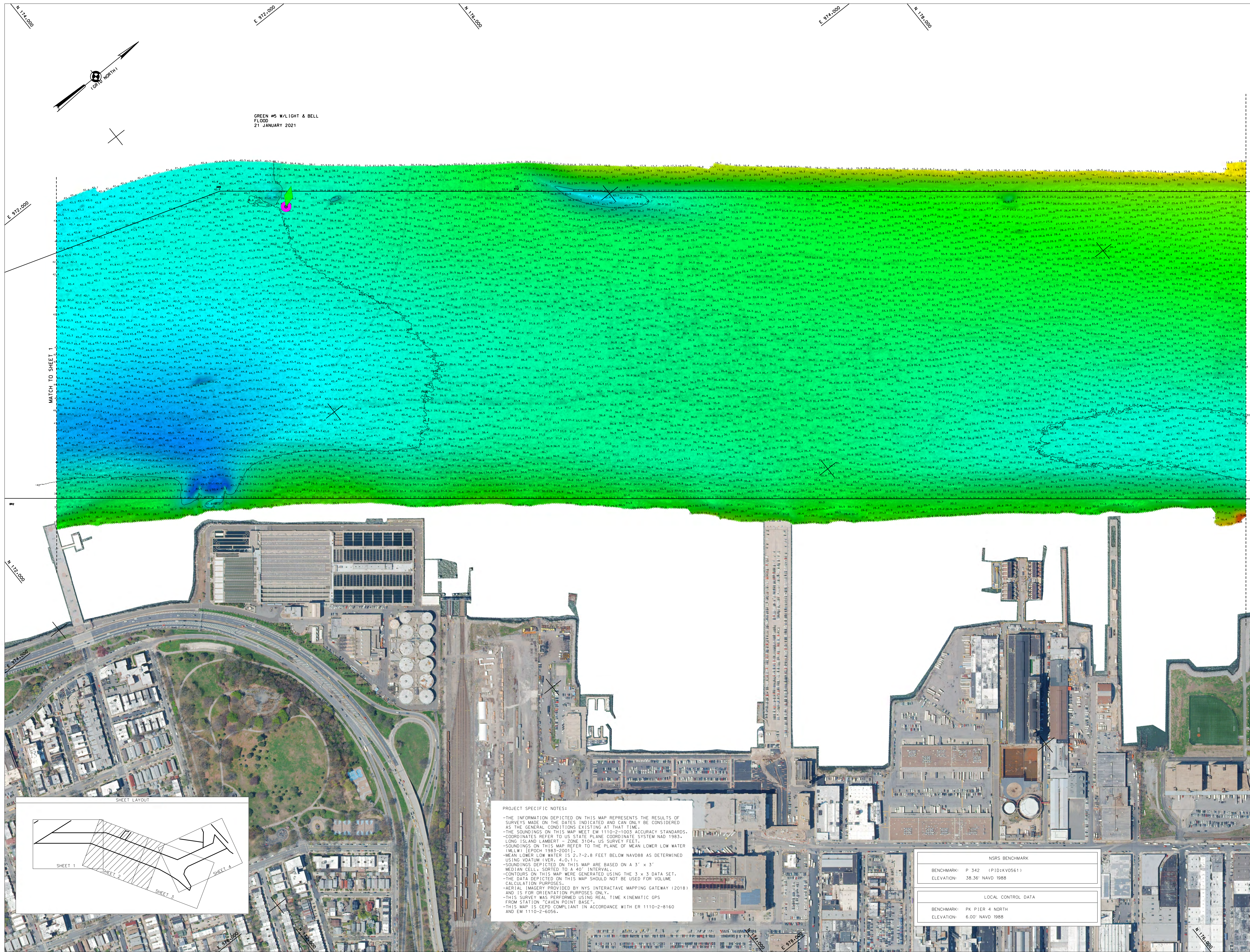
APPROVED: M. FORTE	PROJECT MANAGER
APPROVED: P. BHADUR	LEAD CSM/2022/26
APPROVED: J. MRAZ	
DATE: 2 MARCH 2021	SENIOR CHIEF OF SUPPORT

NEW YORK HARBOR
BAY RIDGE/RED HOOK CHANNELS

VH-102

SHEET 2 OF 4

EQ. NO./FILE NO.:5021/D



THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS A GENERAL GUIDE. CONSIDERABLE CHANGES HAVE OCCURRED IN THE SOUNDINGS ON THIS MAP SINCE MEET EN 1110-2-1003, ACCORDING STANDARDS. THE SOUNDINGS ON THIS MAP WERE OBTAINED FROM THE HYDROGRAPHIC SURVEY LONG ISLAND LAMBERT - ZONE 3104, US SURVEY FEET. THE SOUNDINGS ON THIS MAP ARE REFERRED TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) [EPOCH "1983-2001"].

THE SOUNDING DEPTH ON THIS MAP IS 1.7-2.7 METERS BELOW NAVD83 AS DETERMINED USING DATUM VERT. REF. 1983-2001.

SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' GRID. THE HORIZONTAL AND VERTICAL SPACING OF THE SOUNDING POINTS AND THE CONTOURS ON THIS MAP WERE GENERATED USING A 3' x 3' DATA SET. THE SOUNDING DEPTHS WERE DELETED WHERE THE DEPTH WAS LESS THAN THE CALCULATION PURPOSES.

THE SOUNDING DEPTHS PROVIDED BY NYS INTERACTIVE MAPPING DATA (2018) AND IS FOR ORIENTATION PURPOSES ONLY.

THIS MAP WAS CREATED USING THE FOLLOWING REAL TIME KINEMATIC GPS STATION DATA "CAVEN POINT BASE".

THIS MAP IS NOT IN COMPLIANT IN ACCORDANCE WITH EN 1110-2-816(a) AND EN 1110-2-650(a).

NSRS BENCHMARK	
BENCHMARK:	P 342 (PID:KV05611)
ELEVATION:	38.36' NAVD 1988

LOCAL CONTROL DATA	
BENCHMARK:	PK PIER 4 NORTH
ELEVATION:	6.00' NAVD 1988

[illegible]

SCALE: ONE INCH = 200 FEET	DATES OF SURVEY: 19-21, 23, 25-26, 28 JANUARY 2021 3-22 FEBRUARY 2021
FIELD BOOKS: N/A	REG. NO./FILE NO.: 5021/D

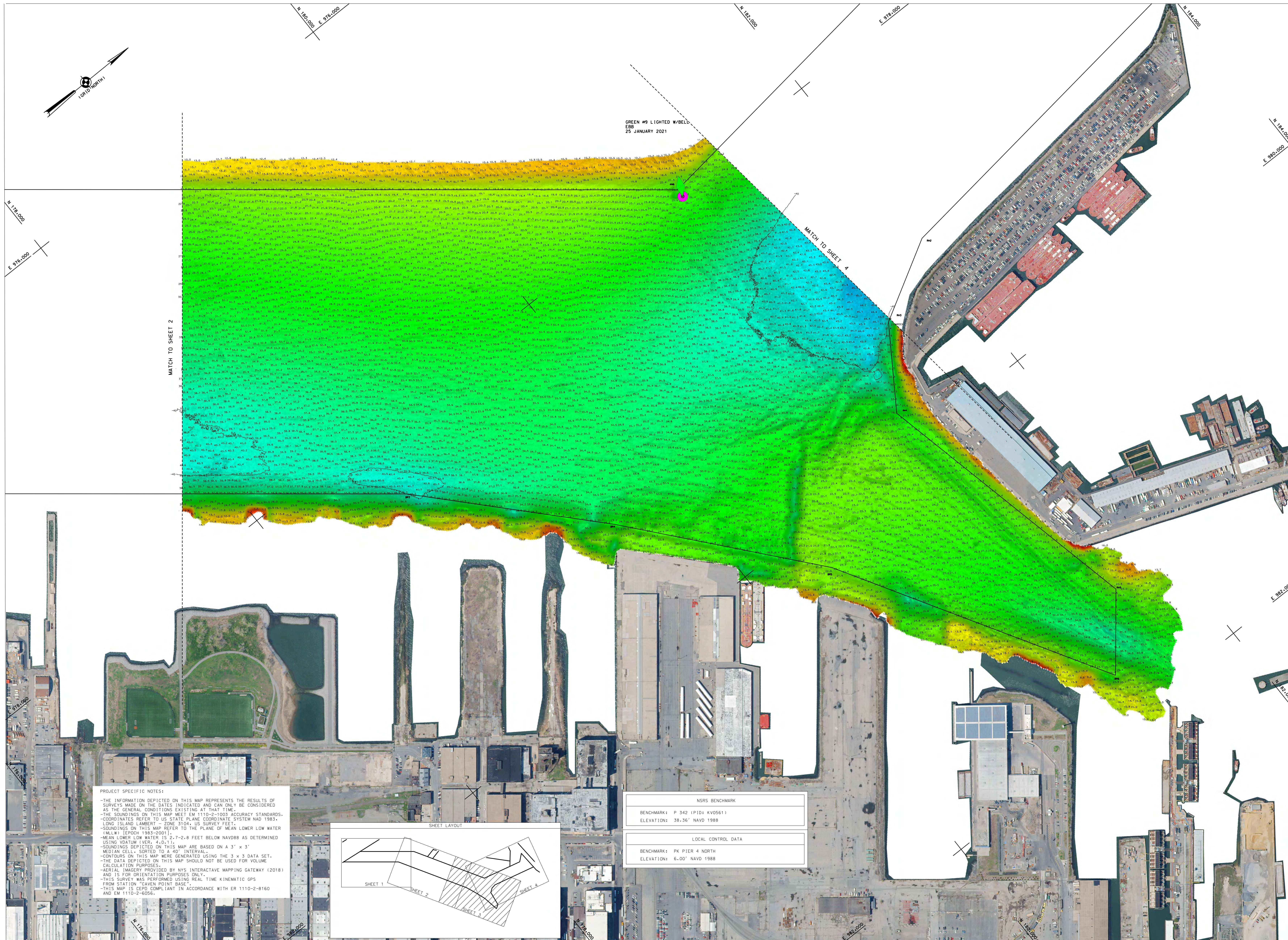
DEPARTMENT OF THE ARMY OFFICE OF THE CHIEF OF STAFF CORPS OF ENGINEERS NEW YORK, NEW YORK 10278	APPROVED: P. HEARNES FIELD ENGINEER
OPERATIONS DIVISION SURVEY SECTION CEMAN-UP-5	APPROVED: M. FORTE PROJECT MANAGER
	APPROVED: P. BHADUR UNIT SUPERVISOR
	APPROVED: J.J. MORZ SIGHT SURVEYOR
	DATE: 2. FEBRUARY 21, 1964

NEW YORK HARBOR
BAY RIDGE/RED HOOK CHANNELS
CONDITION SURVEY

VH-103

SHEET 3 OF 4

REQ. NO./FILE NO.:5021/D



PROJECT SPECIFIC NOTES:

- THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AN APPROXIMATE CONTOUR OF THE UNDERLYING REALITY.
- THE SOUNDINGS ON THIS MAP MAY BE FOUND IN 1110-2-1003 ACCURACY STANDARDS.
- THE SOUNDING DATA WAS OBTAINED FROM THE NAVD83 SYSTEM AND 1983 LONG ISLAND LAMBERT - ZONE 18T4 US SURVEY FEET.
- THE SOUNDING DATA IS REFERRED TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) [EPOCH: 1983-2001].
- MEAN LOWER LOW WATER IS 2.7-2.8 FEET BELOW NAVD83 AS DETERMINED BY THE NAVY.
- SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' METER GRID.
- CONTOURS ON THIS MAP WERE GENERATED USING THE 3 x 3 DATA SET.
- THE DATA SET WAS GENERATED USING THE NAVD83 DATUM AND THE FOLLOWING CALCULATION PURPOSES:
 - THIS MAP WAS GENERATED BY NAVS INTERACTIVE MAPPING DATAVIEW (2018) AND IS FOR ORIENTATION PURPOSES ONLY.
 - THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION 1110-2-1003.
 - THIS MAP IS CEPO COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 (1).

NSRS BENCHMARK

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

LOCAL CONTROL DATA

BENCHMARK: PK PIER 4 NORTH
ELEVATION: 6.00' NAVD 1988

[illegible]

19-21, 23, 25-26, 28 JANUARY 2021

MP	JE
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SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:

NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

APPROVED: P. KEARNS
FIELD ENGINEER

APPROVED: M. FORTE
PROJECT MANAGER

OPERATIONS DIVISION

APPROVED: P. BHADUR

SURVEY SECTION
CENAN-QP-S

APPROVED: J. MRAZ

DATE: 2 MARCH 2021

SEALTH OFFICE OF SURVEY

FILE CENAN-QP-S

NEW YORK HARBOR
BAY RIDGE/RED HOOK CHANNELS

CONDITION SURVEY

VH-101

NO. /FILE NO.: 5021/D

