



	ER	5.0/BRH	
	VO	32-	

SCALE: ONE INCH = 100 FEET
DATE: 9-10-15, 16 NOVEMBER 2021
DRAWN BY: J.A.S. D- S.H.V. V;
FIELD BOOKS: XX
REC NO./FILE NO.: 5115/W1

APPROVED: M. A. 2021 1
FIELD PERFORMANCE

APPROVED: M. A. 2021 2
CITY OF CHICAGO (2021/2022)

APPROVED: P. BHARIN
USE LANGUAGE

APPROVED: S. 2021 2
SUNNY CHIEF OF POLICE

DATE: 22 NOVEMBER 2021

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10270

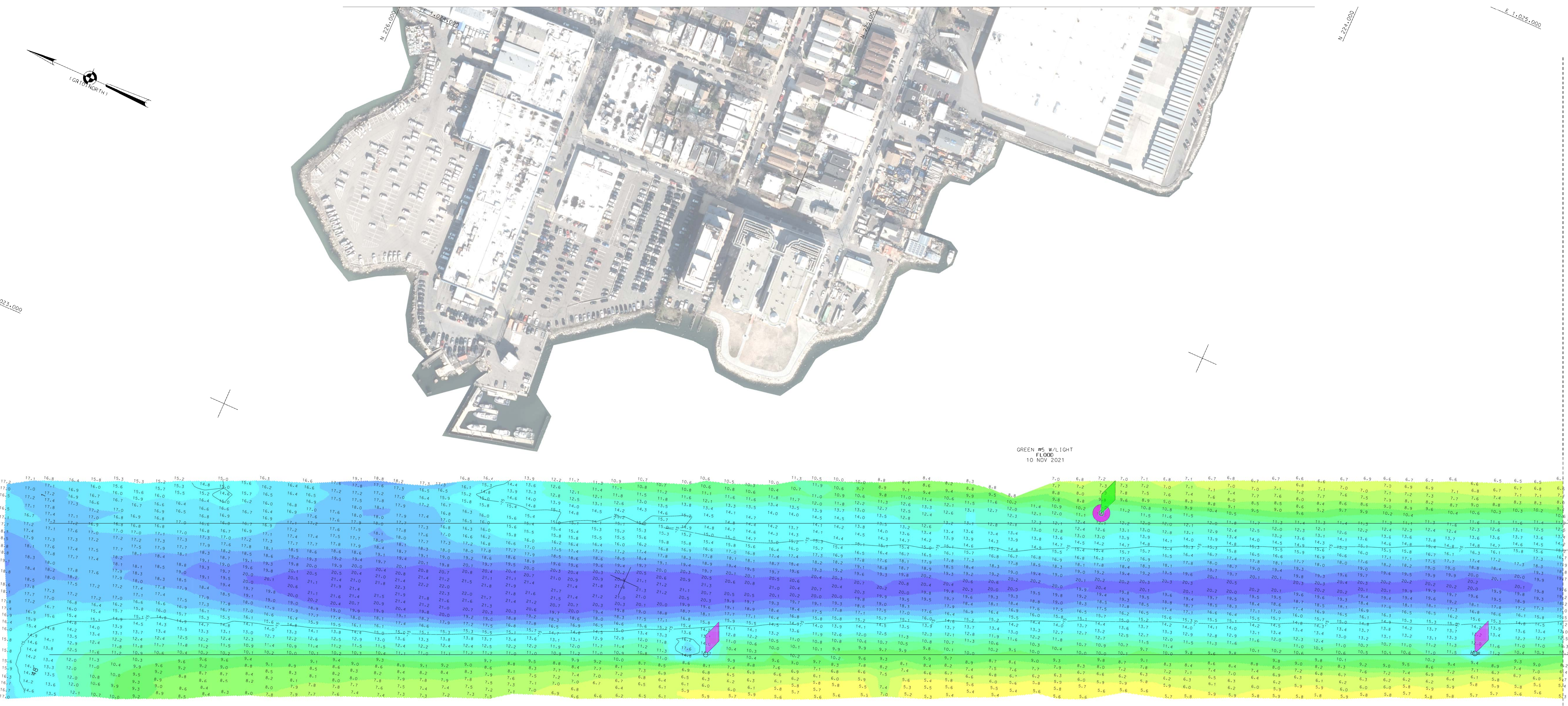
OPERATIONS DIVISION
SURVEY SECTION
CENAV-07-S

FLUSHING BAY & CREEK
NEW YORK
PLANS AND SPECS SURVEY

VH-101

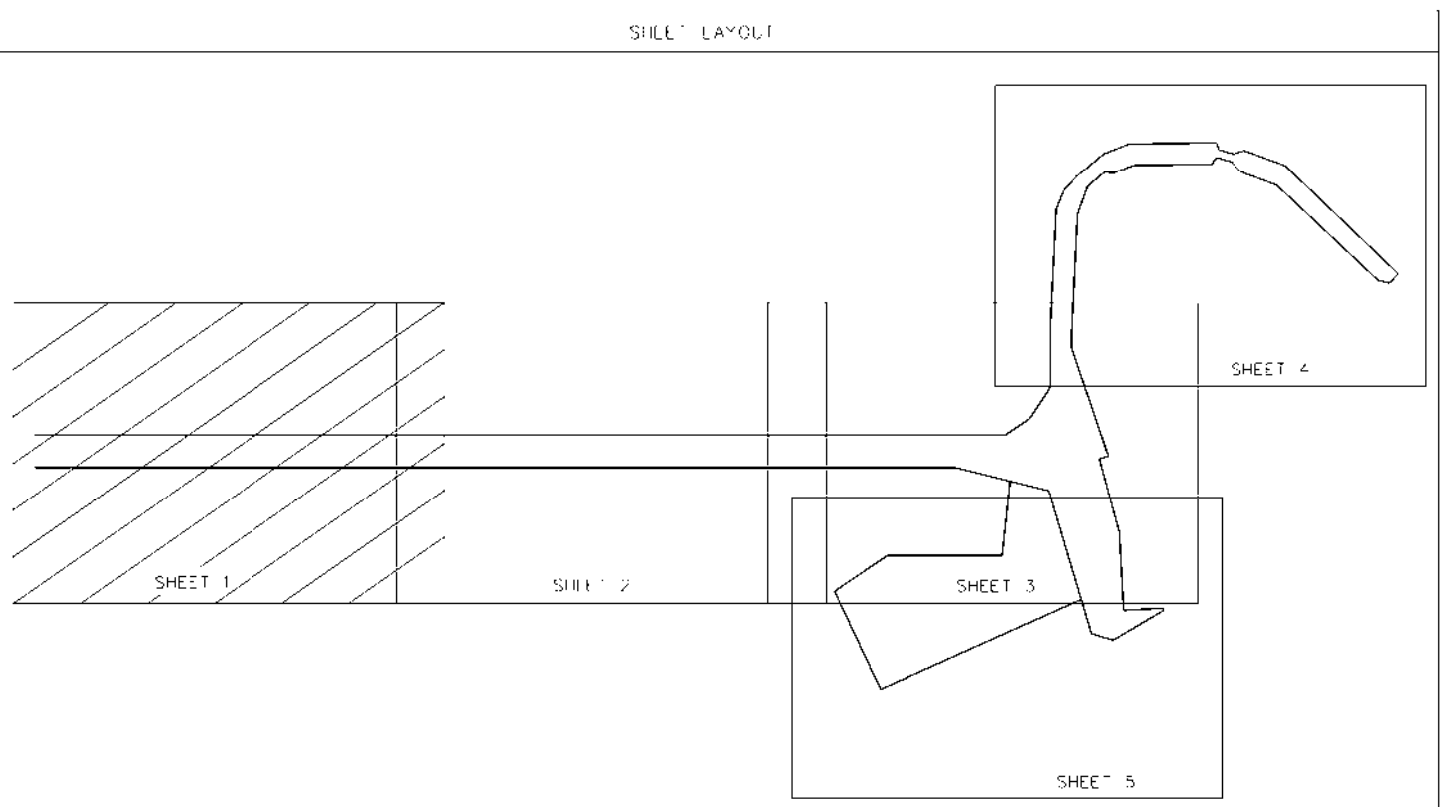
S-EE- 0-5

EC NO. 71-23 NO. 5-5/4



RED NUN #4
FLODD
10 NOV 2021

RED NUN #6
FLOOD
10 NOV 2021



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NSRS HF VOR/ARK
BENCH/ARK: "IDAL 4 STA #15"  PQ: KU109
ELEVATION: 8.37' NAVD 1988

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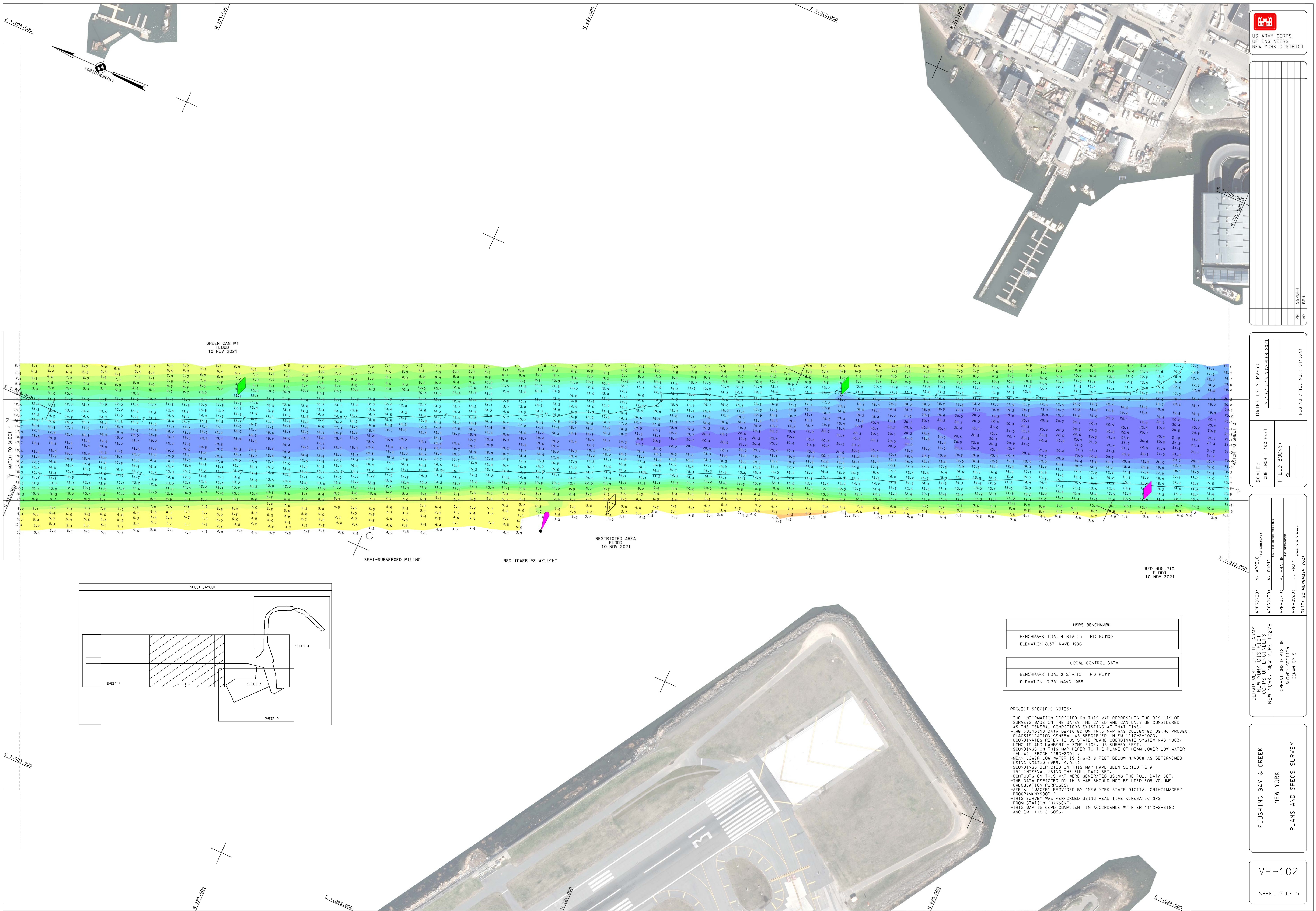
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LOCAL CONTROL DATA
BENCH/ARK: "IDAL 2 STA #5"  PQ: KU111
ELEVATION: 10.35' NAVD 1988

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PROJECT SPECIFIC NOTES:

- THE INFORMATION DEFINED ON THIS MAP REPRESENTS THE RESULTS OF DATA MADE ON LOCATIONS INDICATED AND CAN ONLY BE CONSIDERED AS THE GENERAL CONDITIONS EXISTING AT THAT TIME.
- THE SOUNDING DATA DEFINED ON THIS MAP WAS COLLECTED USING PROJECT NUMBER 10-100-00000000000000000000 IN YEAR 1983-1987.
- COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983.
- LOCATIONS ON THIS MAP ARE NOT NEARLY IDENTICAL TO THE LOCATIONS ON THIS MAP WHICH WERE USED FOR THE COLLECTION OF THE DATA.
- LOCATIONS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER.
- MEAN LOWER LOW WATER IS 3.6-3.9 FEET BELOW NAVDAS AS DETERMINED BY THE U.S. DEPARTMENT OF COMMERCE.
- LOCATIONS DEFINED ON THIS MAP HAVE BEEN SORTED TO A 15' INTERVAL USING THE FULL DATA SET.
- CONTOURS ON THIS MAP WERE DERIVED USING THE FULL DATA SET.
- THE DATA DEFINED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION.
- AERIAL IMAGERY PROVIDED BY "NEW YORK STATE DIGITAL ORTHOPHOTOGRAPHY PROGRAM".
- THIS SURVEY WAS PERFORMED USING REAL TIME KINETIC GPS FROM STATION "HARRIS".
- THIS MAP IS CEST COMPLIANT IN ACCORDANCE WITH ER 1110-2-6160 AND EM 1110-2-6036.



US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATE OF SURVEY: 30-03-2018, 10 NOV 2021

SCALE: 1" = 100 FEET

FIELD BOOKS: 100

DATE: 22 NOVEMBER 2021

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

OPERATIONS DIVISION
SURVEY SECTION
CENNA-09-5

APPROVED: M. APPELO
APPROVED: M. FORTE
APPROVED: P. BISHOP
APPROVED: J. MRAZ

DATE: 22 NOVEMBER 2021

FLUSHING BAY & CREEK
NEW YORK
PLANS AND SPECS SURVEY

VH-102
SHEET 2 OF 5

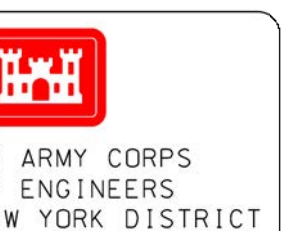
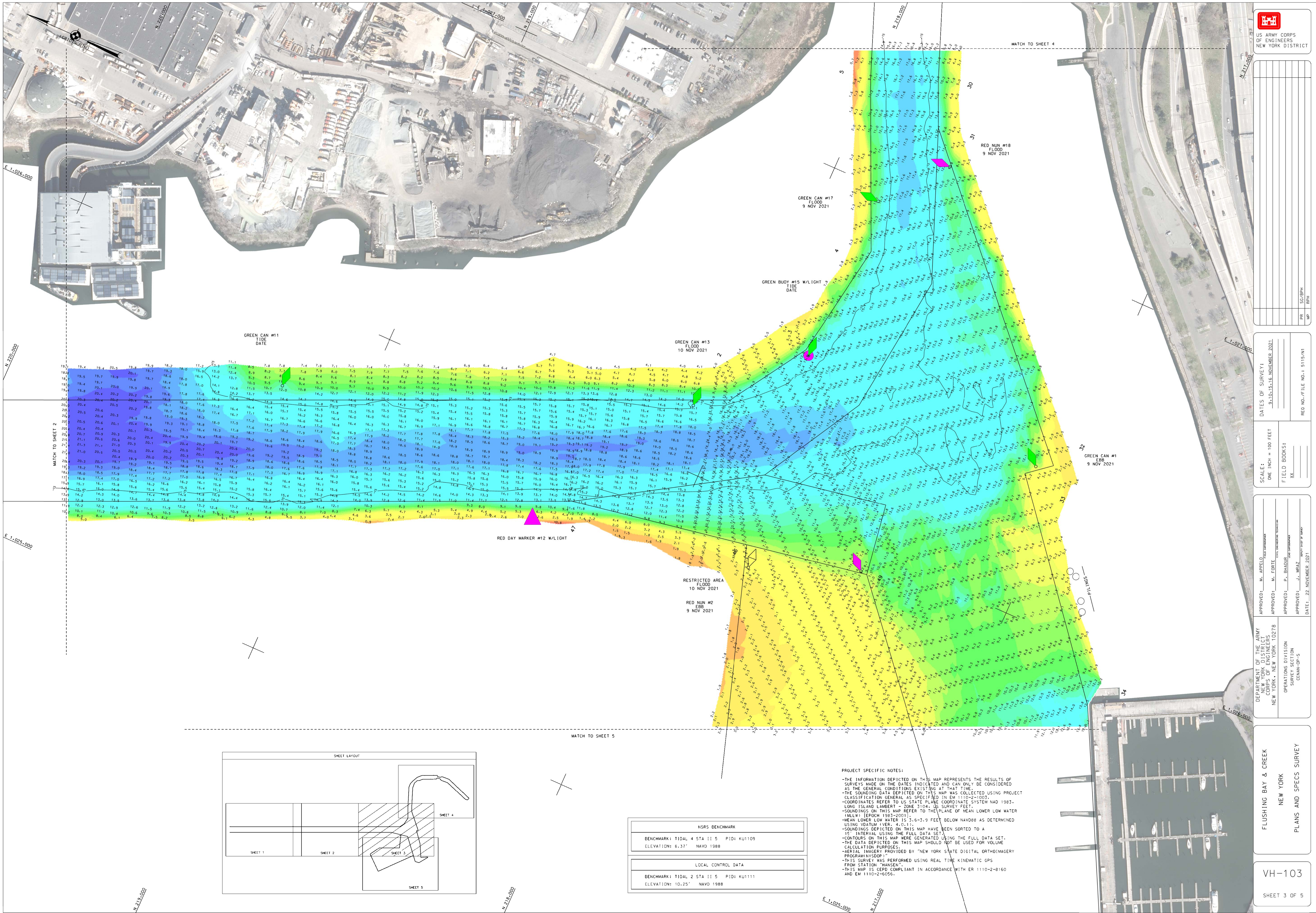
REQ NO./FILE NO.: 5115/N1

NSRS BENCHMARK		
BENCHMARK: TQAL 4 STA #5	PID: KUN09	
ELEVATION: 8.37' NAVD 1988		

LOCAL CONTROL DATA		
BENCHMARK: TQAL 2 STA #5	PID: KUN11	
ELEVATION: 10.35' NAVD 1988		

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 SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION GENERAL AS SPECIFIED IN EM 1110-2-1003.
- COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM HAD 1983, LONG ISLAND LAMBERT - ZONE 3104, US SURVEY FEET.
- SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) FROM 1983-2001.
- MEAN LOWER LOW WATER IS 3.6-3.9 FEET BELOW NAVD88 AS DETERMINED USING DATUM (VER. 4.0.1).
- SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN SORTED TO A 10' INTERVAL USING THE FULL DATA SET.
- CONTOURS ON THIS MAP WERE GENERATED USING THE FULL DATA SET.
- THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- AERIAL IMAGERY PROVIDED BY "NEW YORK STATE DIGITAL ORTHOREMOGRAPHY PROGRAM (NSDOP)".
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "HANSEN".
- THIS MAP IS KERO COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.



DATE OF SURVEY:	30.05.15.16 NOVEMBER 2021
SCALE:	ONE INCH = 100 FEET
FIELD BOOKS:	XX
RECORD NO./FILE NO.:	5115/M1
DATE:	22 NOVEMBER 2021

APPROVED:	M. APPELO
APPROVED:	M. FORTI
APPROVED:	P. BROAD
APPROVED:	J. MARZ

DEPARTMENT OF THE ARMY	NEW YORK DISTRICT
CORPS OF ENGINEERS	NEW YORK DISTRICT
OPERATIONS DIVISION	NEW YORK DISTRICT
SURVEY SECTION	NEW YORK DISTRICT

APPROVED:	M. APPELO
APPROVED:	M. FORTI
APPROVED:	P. BROAD
APPROVED:	J. MARZ

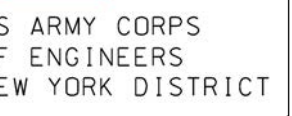
APPROVED:	M. APPELO
APPROVED:	M. FORTI
APPROVED:	P. BROAD
APPROVED:	J. MARZ

APPROVED:	M. APPELO
APPROVED:	M. FORTI
APPROVED:	P. BROAD
APPROVED:	J. MARZ

APPROVED:	M. APPELO
APPROVED:	M. FORTI
APPROVED:	P. BROAD
APPROVED:	J. MARZ

APPROVED:	M. APPELO
APPROVED:	M. FORTI
APPROVED:	P. BROAD
APPROVED:	J. MARZ

APPROVED:	M. APPELO
APPROVED:	M. FORTI
APPROVED:	P. BROAD
APPROVED:	J. MARZ

[illegible]

SCALE: ONE INCH = 100 FEET FIELD BOOKS: XX _____ _____ _____	DATES OF SURVEY: <u>9.10.15.16 NOVEMBER 2021</u> _____ _____ REO NO./FILE NO.: 5115/N1
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APPROVED: W. APPEL FIELD CHIEF OF SURVEY

APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR LEAD CARTOGRAPHER

APPROVED: J. MRAZ DEPUTY CHIEF OF SURVEY

DATE: 22 NOVEMBER 2021

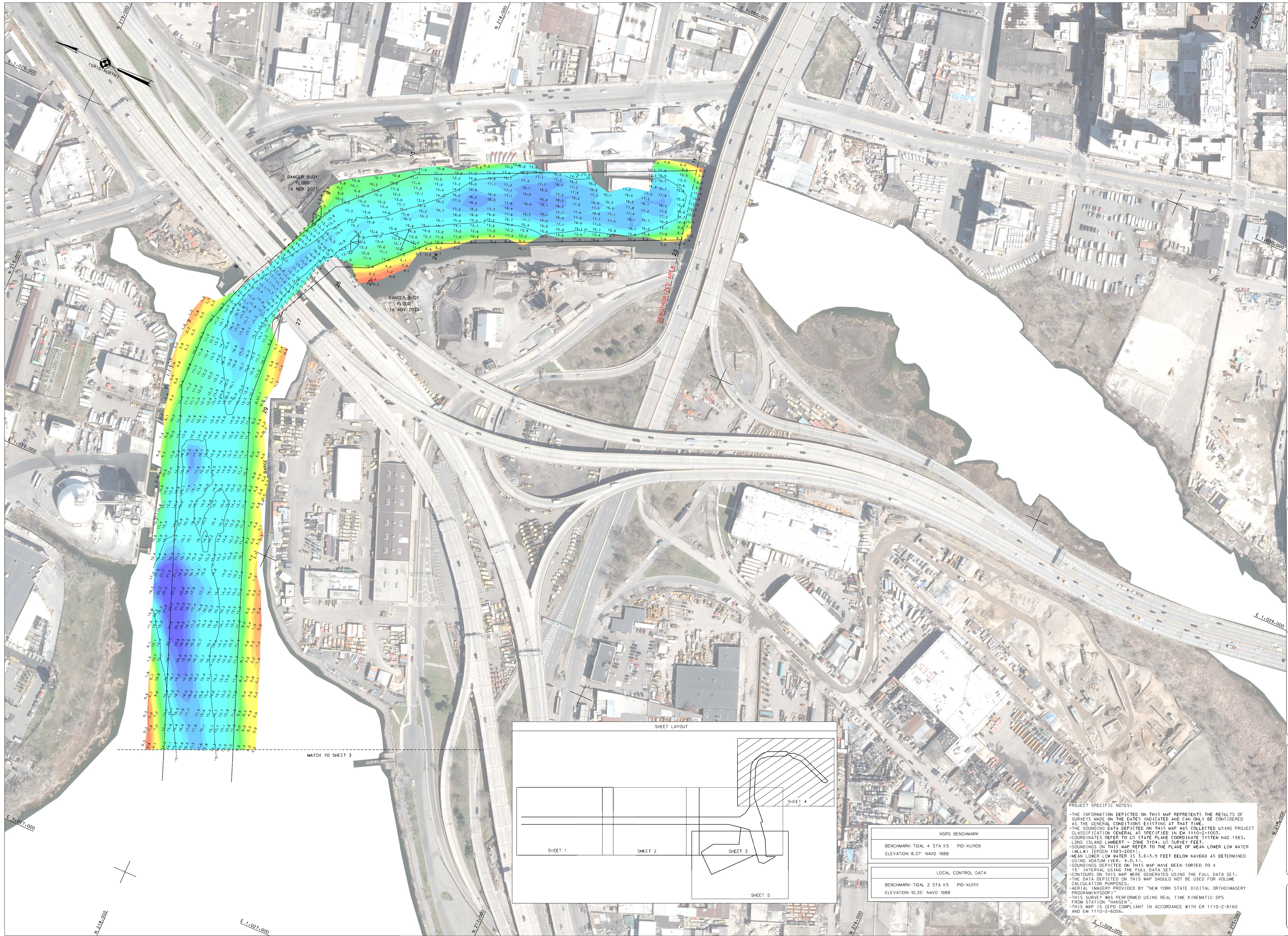
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 1027

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-5

FLUSHING BAY & CREEK
NEW YORK
PLANS AND SPECS SURVEY

VH-104

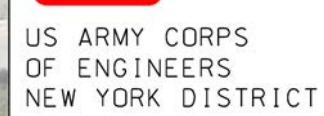
SHEET 4 OF 5



PROJECT SPECIFIC NOTES:

- THE INFORMATION DEFINED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS SUCH.
- THE GENERAL LOCATION OF FEATURES EXISTING AT THAT TIME.
- THE SOUNDING DATA DEFINED ON THIS MAP WAS COLLECTED USING PROJECT NUMBER 80-069.
- COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM LOW 1983.
- ELEVATIONS ARE IN FEET MEAN SEA LEVEL.
- SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) [EPOCH 1983-2000].
- WATER DEPTHS ARE 0.0, -0.3, -0.9 FEET BELOW NAVD83 AS DETERMINED USING DATUM V = 4.0, 1.1.
- SOUNDINGS DERIVED FROM THIS MAP HAVE BEEN SORTED TO A 15' INTERVAL USING THE FULL DATA SET.
- SOUNDINGS DERIVED FROM THIS MAP USING THE FULL DATA SET.
- THE DATA DEFINED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- THIS IMAGE IS GENERATED BY "NEW YORK STATE DIGITAL ORTHOIMAGERY PROGRAMMING/SDP".

THIS SURVEY WAS PERFORMED USING REAL TIME KINETIMATIC GPS FROM STATION "HANSEN".
THIS MAP IS GEOGRAPHICALLY COMPLIANT IN ACCORDANCE WITH ER 1102-2-8160 AND EM 1102-2-6056.

[illegible]

SCALE: ONE INCH = 100 FEET	DATES OF SURVEY: 9.10.15, 18 NOVEMBER 2021
FIELD BOOKS: XX	REQ NO./FILE NO.: 5115/W1

APPROVED: M. APPELD FIELD COORDINATOR

APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR NICK COORDINATOR

APPROVED: J. MRAZ SENIOR CHIEF OF SURVEY

DATE: 22 NOVEMBER 2021

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

FLUSHING BAY & CREEK
NEW YORK
PLANS AND SPECS SURVEY

VH-105

SHEET 5 OF 5

REQ NO./FILE NO.: 5115/M

