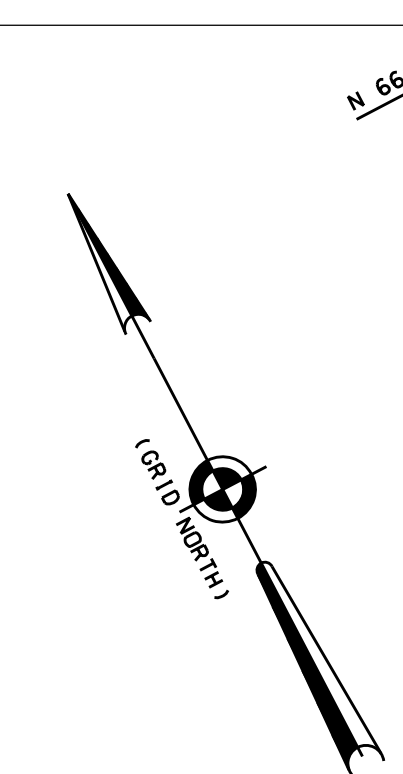




45' PROJECT DEPTH

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.
- COORDINATES ON THIS MAP WERE MEET EN 1110-2-1003 ACCURACY STANDARDS.
- COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983.
- NEW JERSEY MERCATOR - ZONE 2900, US SURVEY FEET.
- SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER
- MEAN LOW (EPCH 1983-2001).
- MEAN LOWER LOW WATER IS 3.0 FEET BELOW NAVD83 AS DETERMINED USING DATUM41V-VER, 4.0,11.1.
- SOUNDINGS DERIVED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO A 30' 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 DIGITAL GLOBE MAY 26 2020 AND IS FOR ORIENTATION PURPOSES ONLY.
- THE PLANNING/DESIGN DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "1110-2-6" & "CAVEN POINT".
- THIS MAP IS NOT COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EN 1110-2-1005.

[illegible]

SCALE: ONE INCH = 100 FEET	DATES OF SURVEY: 16.11.21 MARCH 2022
FIELD BOOKS: 1050	
	REQ. NO./FILE NO.: 5114/D/N1/N3

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

APPROVED: P. KERINS
 TITLE: PLANNING

APPROVED: M. FORTE
 TITLE: ENGINEERING SECTION

APPROVED: P. BHADUR
 TITLE: DESIGN

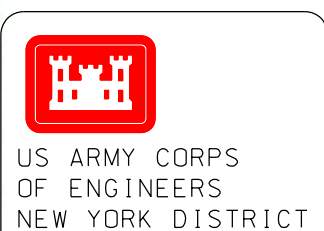
APPROVED: J. WRAZ
 TITLE: ASSISTANT CHIEF OF STAFF

DATE: 28 MARCH 2022

NEWARK BAY, HACKENSACK
& PASSAIC RIVERS
NEW JERSEY
SOUTH ELIZABETH CHANNEL
DREDGE AREA 1 & 2
AFTER DREDGE SURVEY

VH-101

SHEET 1 OF 2

[illegible]

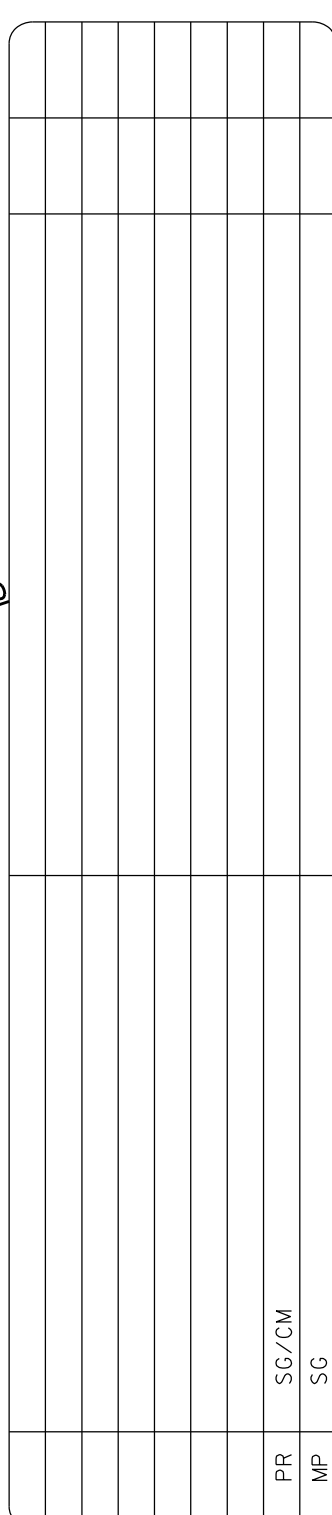
SCALE : ONE INCH = 100 FEET	DATES OF SURVEY : 16.17-21 MARCH 2022
FIELD BOOKS : 1050	RED. NO./FILE NO. : 5114/D/NI/N3

DEPARTMENT OF THE ARMY NEW YORK DISTRICT OF CONGRESSIONAL NEW YORK, NEW YORK 10278	APPROVED: P. KEARNS TITLE: CHIEF OF BUREAU	DATE: 28 MAR 2022
OPERATIONS DIVISION SURVEY SECTION CENAN-OP-S	APPROVED: P. BHADUR TITLE: INCLUDING TITRATION	
	APPROVED: J. MRAZ TITLE: CHIEF OF BUREAU	

NEWARK BAY, HACKENSACK
& PASSAIC RIVERS
NEW JERSEY
SOUTH ELIZABETH CHANNEL
DREDGE AREA 1 & 2
AFTER DREDGE SURVEY

VH-102

SHEET 2 OF 2



SCALE: ONE INCH = 100 FEET	DATES OF SURVEY: 16.17.21.25.29 MARCH 2022
FIELD BOOKS: 1048	REQ. NO./FILE NO.: 5114/NI/N2/P0

APPROVED: J. BERTOLOTI, P. KEARNS
FIELD ENGINEER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARPENTER

APPROVED: J. MRAZ
DEPUTY CHIEF OF SURVEY

DATE: 31 MARCH 2022

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 102

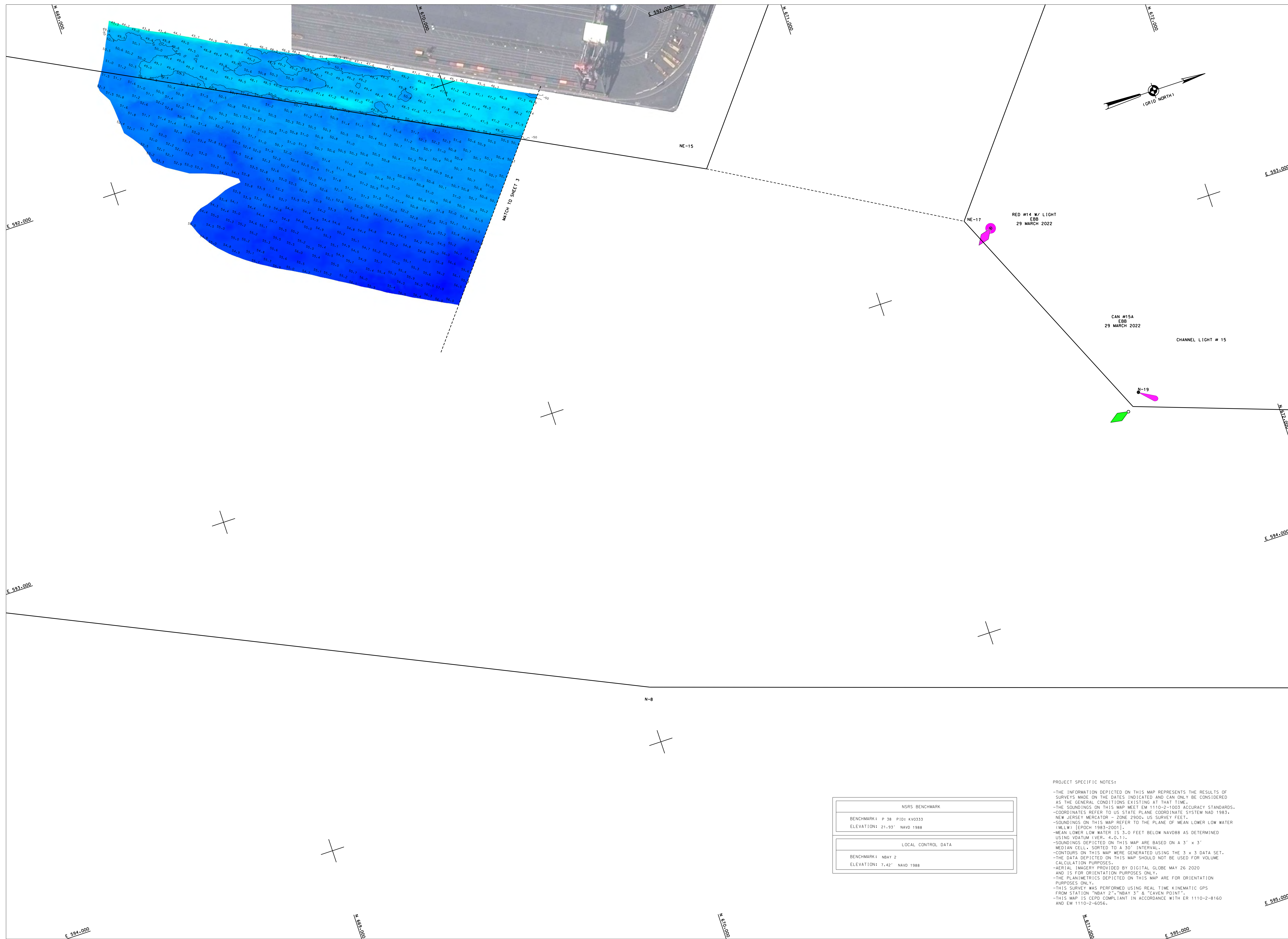
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-5

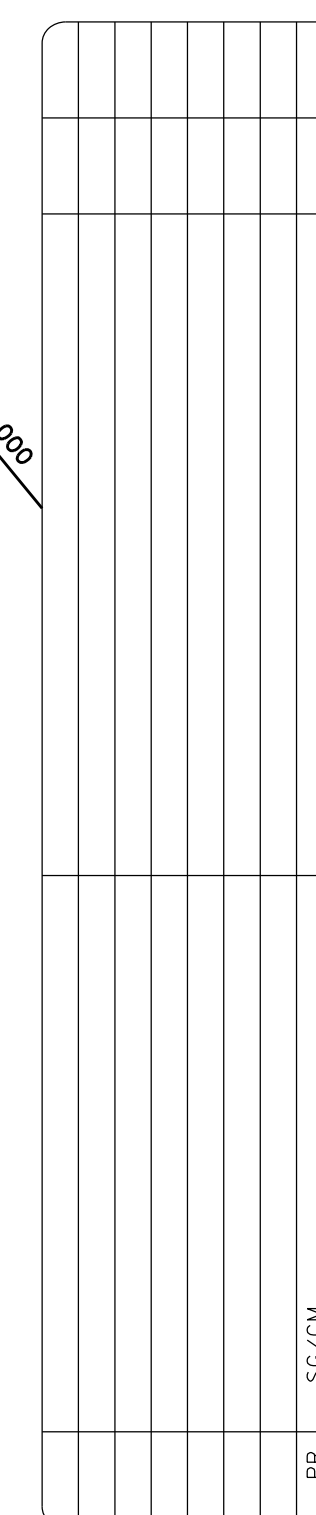
NEWARK BAY, HACKENSACK
& PASSAIC RIVERS
NEW JERSEY
PORT ELIZABETH CHANNEL
DREDGE AREA 3
AFTER DREDGE SURVEY

VH-104

SHEET 4 OF 4

REQ. NO./FILE NO.: 5114/N1/N3/D





SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1048

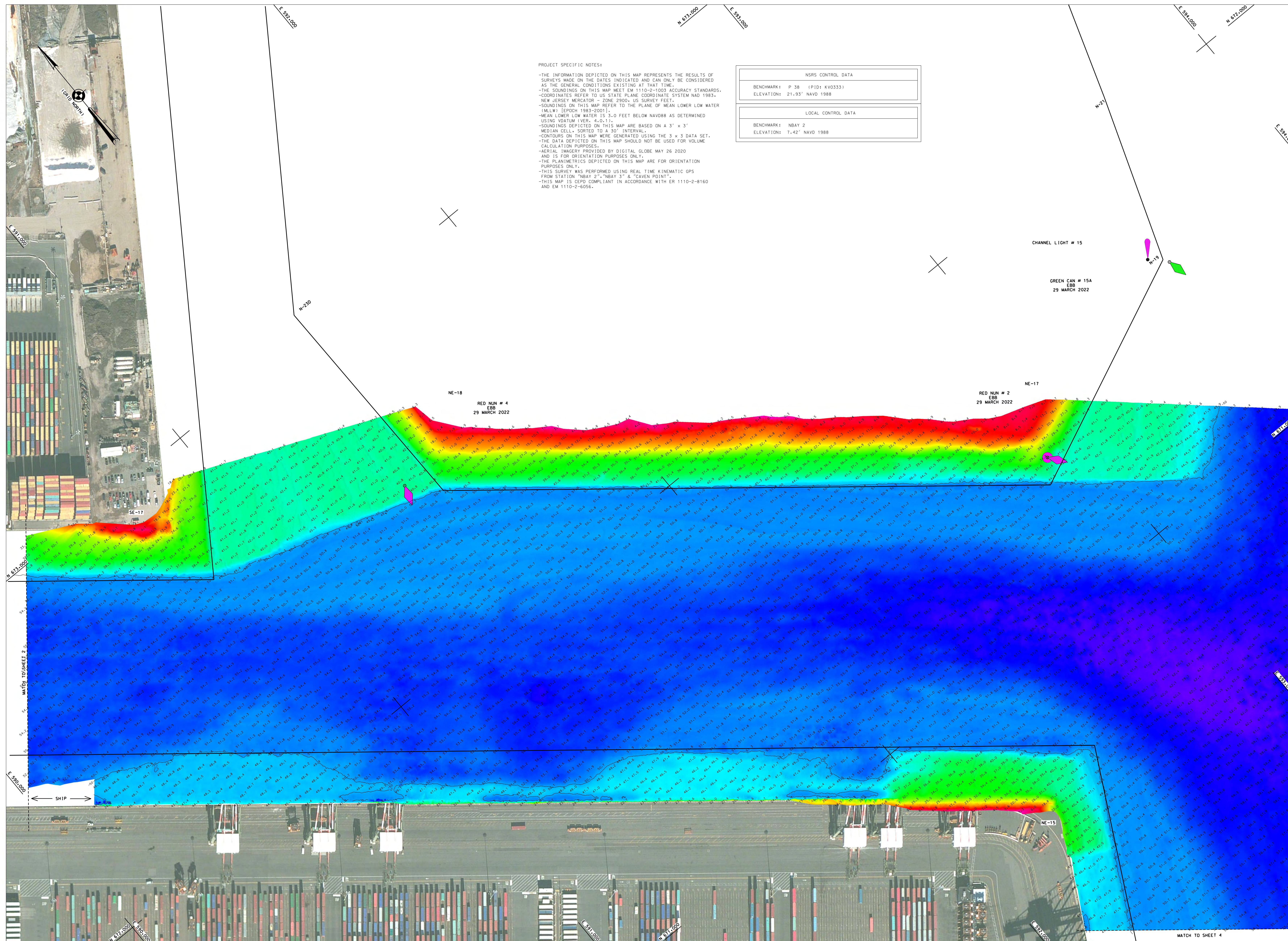
DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

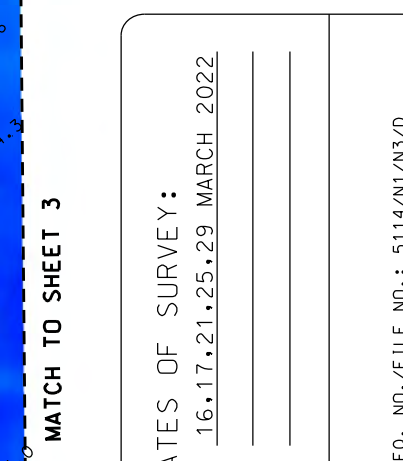
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

VH-103

SHEET 3 OF 4

REQ. NO./FILE NO.: 5114/N1/N3/C





SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1048

APPROVED: J. BERLOTTI, P. KEARNS
FIELD SUPERVISOR

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARPENTERS TECHNICIAN

APPROVED: J. MRAZ
SCOUTS CHIEF OF SQUAD

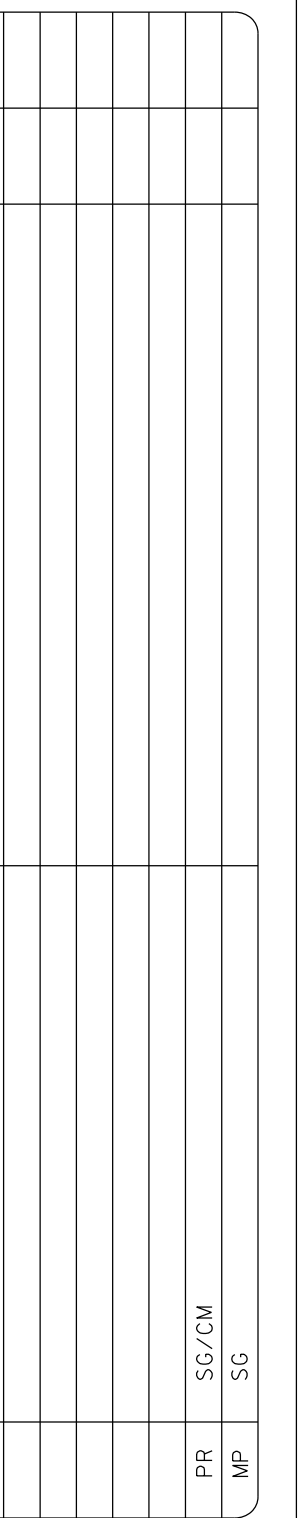
DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK
& PASSAIC RIVERS
NEW JERSEY
PORT ELIZABETH CHANNEL
DREDGE AREA 3
AFTER DREDGE SURVEY

VH-102

SHEET 2 OF 4



16.17.21.25.29 MARCH 2022

REQ. NO./FILE NO. : 5114/M1/N3/D

ONE INCH = 100 FEET

FIELD BOOKS:

1048 _____

APPROVED: M. FORTE
SIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARPENTERS TECHNICIAN

APPROVED: J. BRAZ
OFFICE CLERK OF SURVEY

DATE: 31 MARCH 2022

CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

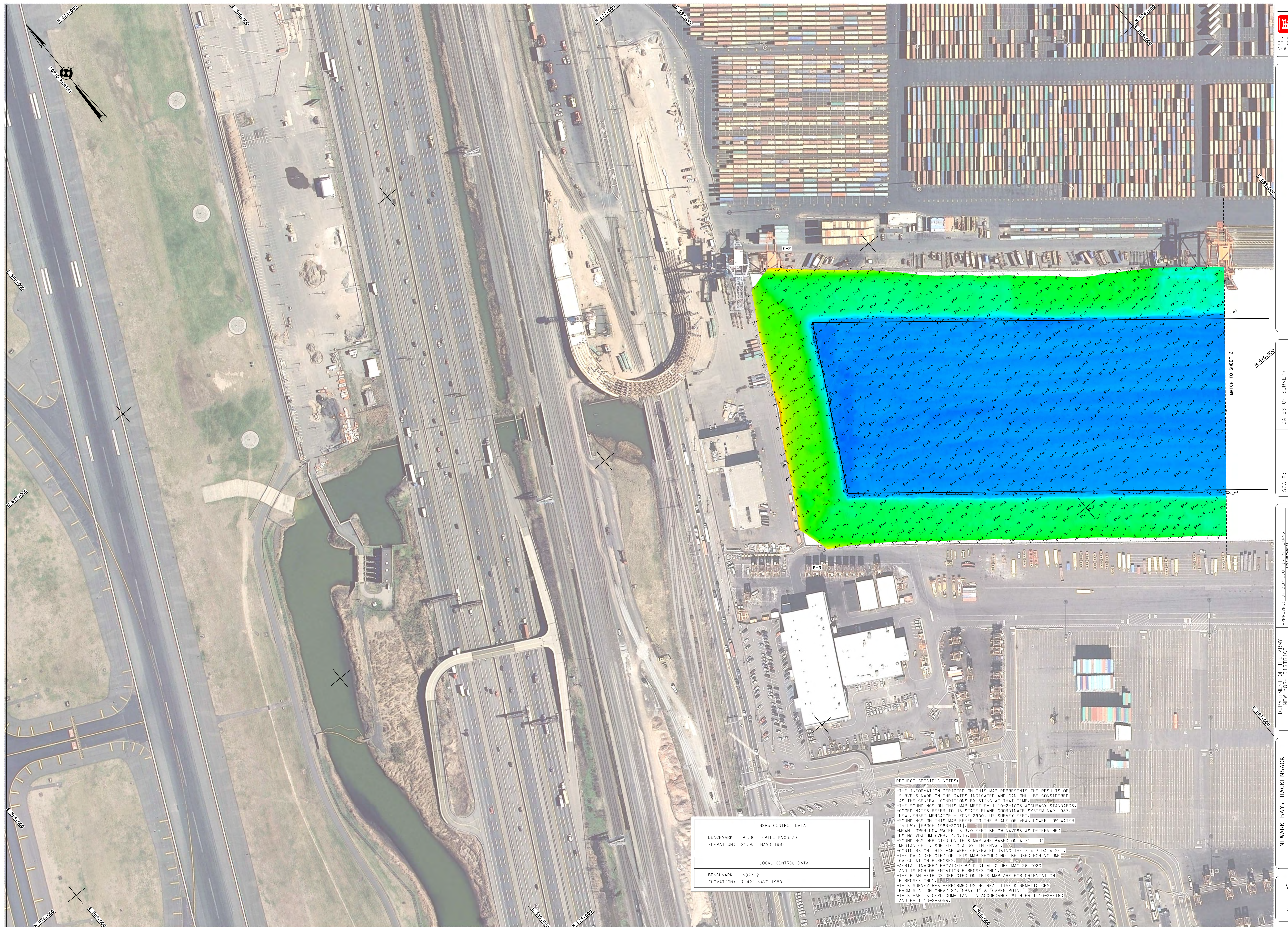
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

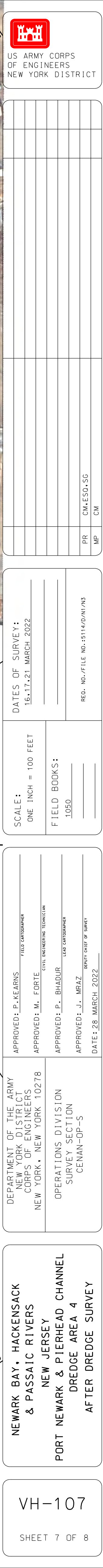
NEW JERSEY
PORT ELIZABETH CHANNEL
DREDGE AREA 3
AFTER DREDGE SURVEY

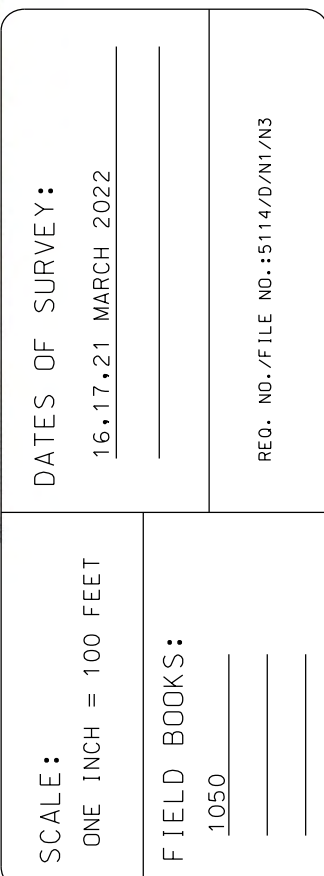
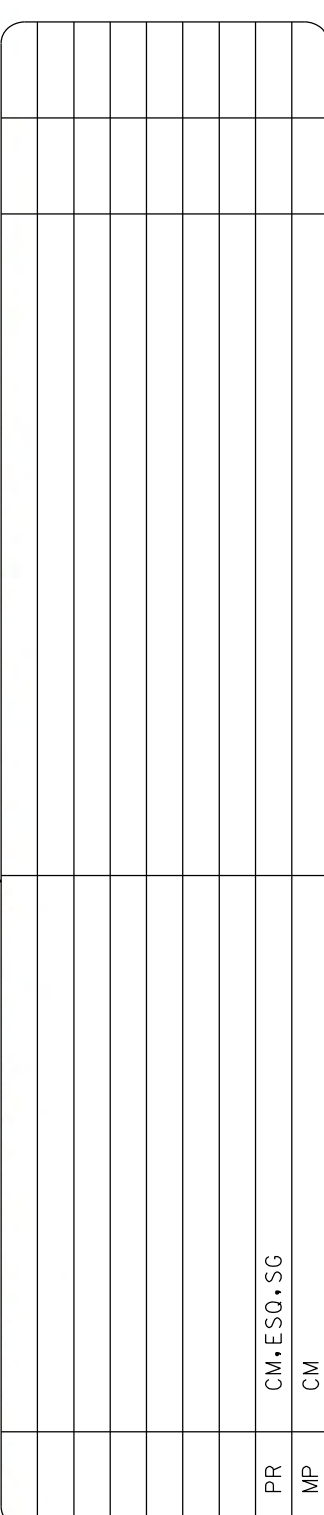
-101

T 1 OF 4

NO./FILE NO.: 5114/N1/N3/D







DEPARTMENT OF THE ARMY NEW YORK DISTRICT OFFICE OF THE DISTRICT COMMISSIONER NEW YORK, NEW YORK 10278	APPROVED: <u>P. J. KEARNS</u> FIRST COMMANDER
	APPROVED: <u>M. FORTI</u> CIVIL NUTRITION TECHNICIAN
OPERATIONS DIVISION SURVEY SECTION CENAN-OP-S	APPROVED: <u>P. BHADJER</u> CAPTAIN
	APPROVED: <u>J. WRAZ</u> ARMY CHIEF OF STAFF
	DATE: 24. MARCH 2022

NEWARK BAY, HACKENSACK
& PASSAIC RIVERS
NEW JERSEY
PORT NEWARK & PIERHEAD CHANNEL
DREDGE AREA 4
AFTER DREDGE SURVEY

VH-108

SHEET 8 OF 8