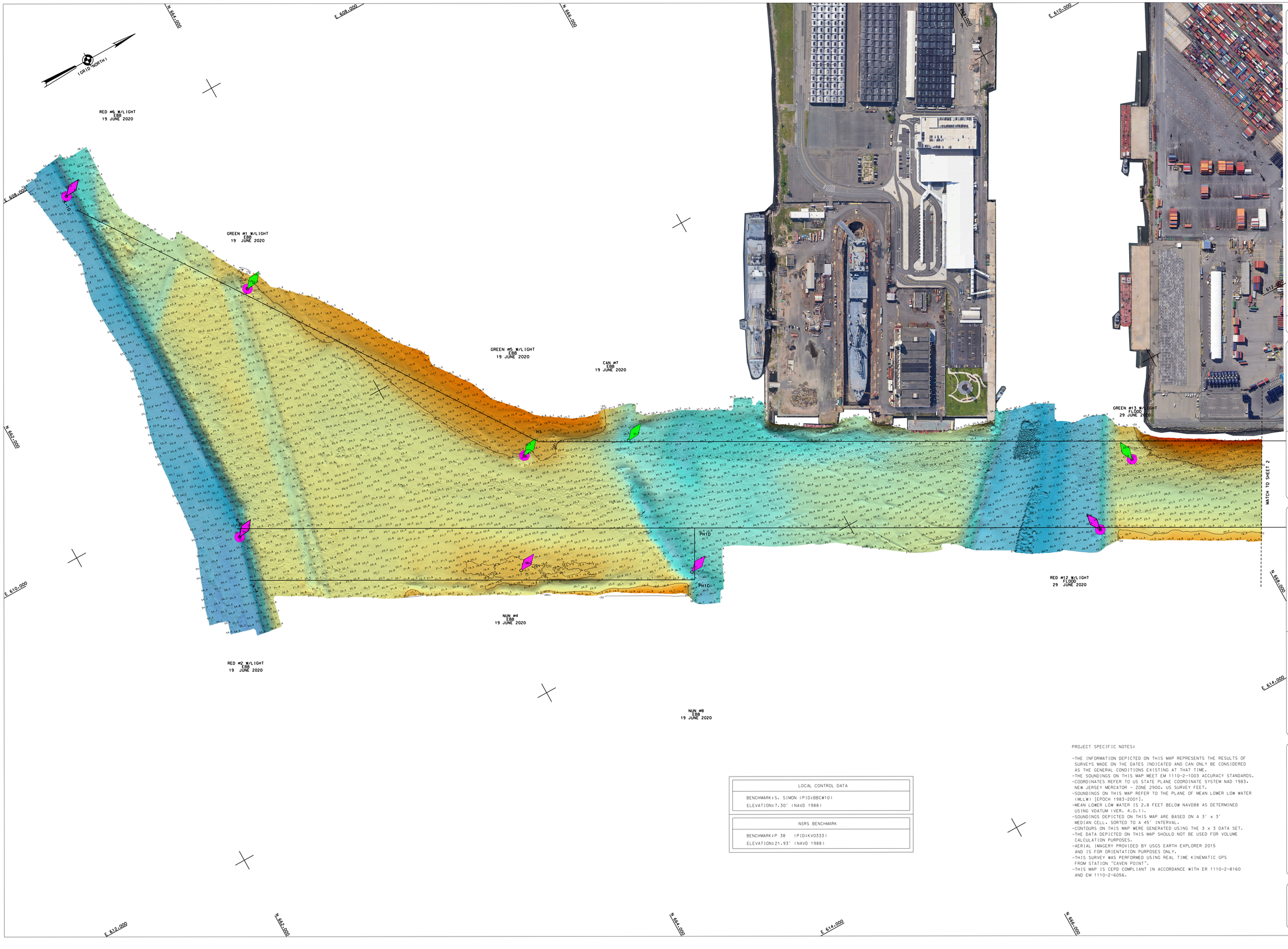

LOCAL CONTROL DATA
BENCHMARK:S. SIMON (PID:BBCM10) ELEVATION:7.30' (NAVD 1988)

NSRS BENCHMARK
BENCHMARK:P 38 (PID:KV0333) ELEVATION:21.93' (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 SOUNDINGS ON THIS MAP MEET EM 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 (MLLW) [EPOCH 1983-2001].
- MEAN LOWER LOW WATER IS 2.8 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 4.0.1).
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- AERIAL IMAGERY PROVIDED BY USGS EARTH EXPLORER 2015 AND IS FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "CAVEN POINT".
- 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

PR DS
MP DS

DATES OF SURVEY:
19 JUNE - 29 JULY

REQ. NO./FILE NO.:14965

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: APPELO — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CITY ENGINEERING TECHNICIAN
APPROVED: P. BHADUR — CAD CARTOGRAPHER
APPROVED: J. MRAZ — CHIEF OF SURVEY
DATE: 31 JULY 2020

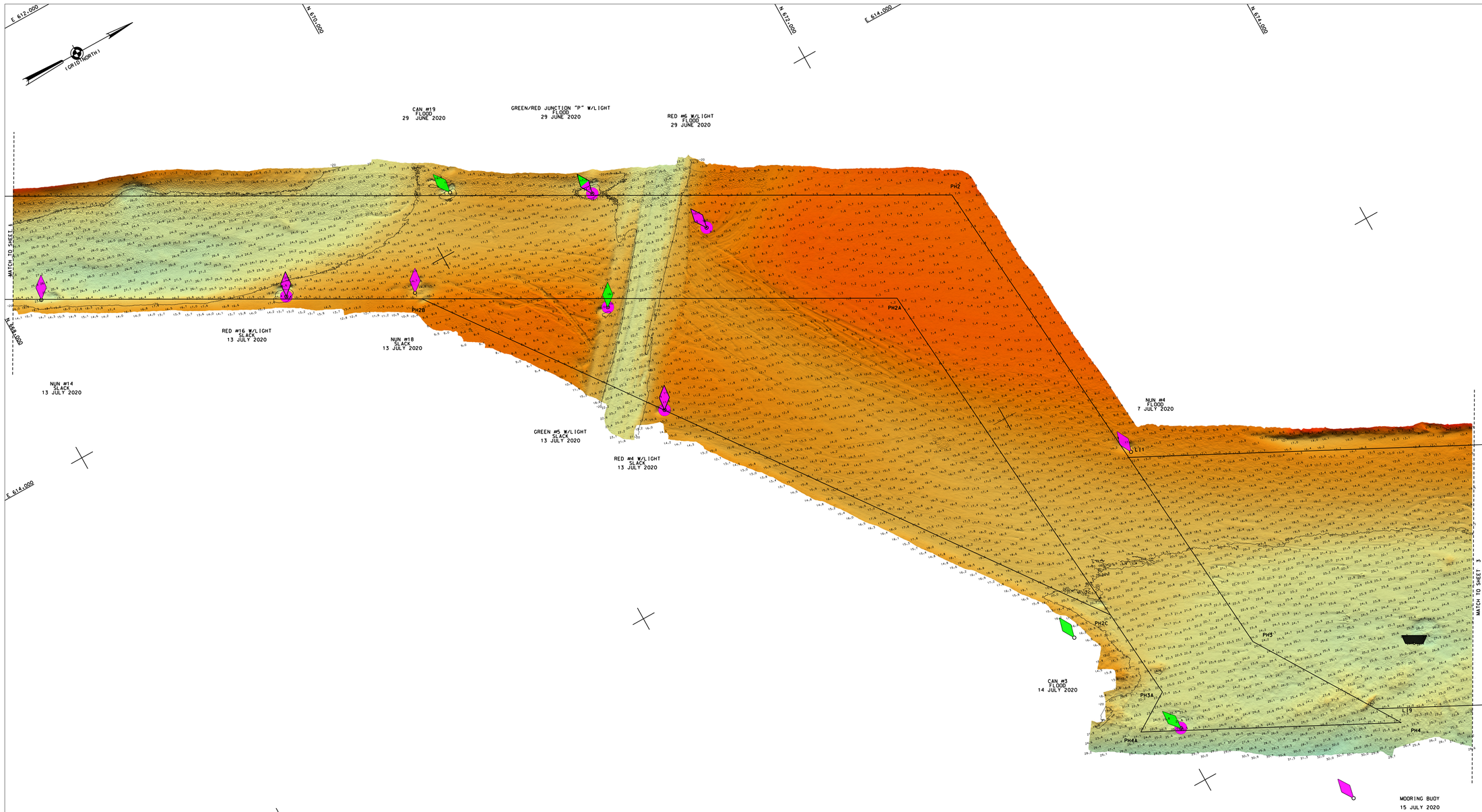
DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK HARBOR
CHANNEL ALONG NJ PIERHEAD LINE
CONDITION SURVEY

VH-101

SHEET 1 OF 4



LOCAL CONTROL DATA
BENCHMARK:S. SIMON (PID:BBCW10)
ELEVATION:7.30' (NAVD 1988)

NSRS BENCHMARK
BENCHMARK:P 38 (PID:KV0333)
ELEVATION:21.93' (NAVD 1988)

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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	DS		
MP	DS		

DATES OF SURVEY:
19 JUNE - 29 JULY 2020

REQ. NO./FILE NO:4965

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: M. APPELO
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARTOGRAPHER

APPROVED: J. MRAZ
DEPUTY CHIEF OF SURVEY

DATE: 31 JULY 2020

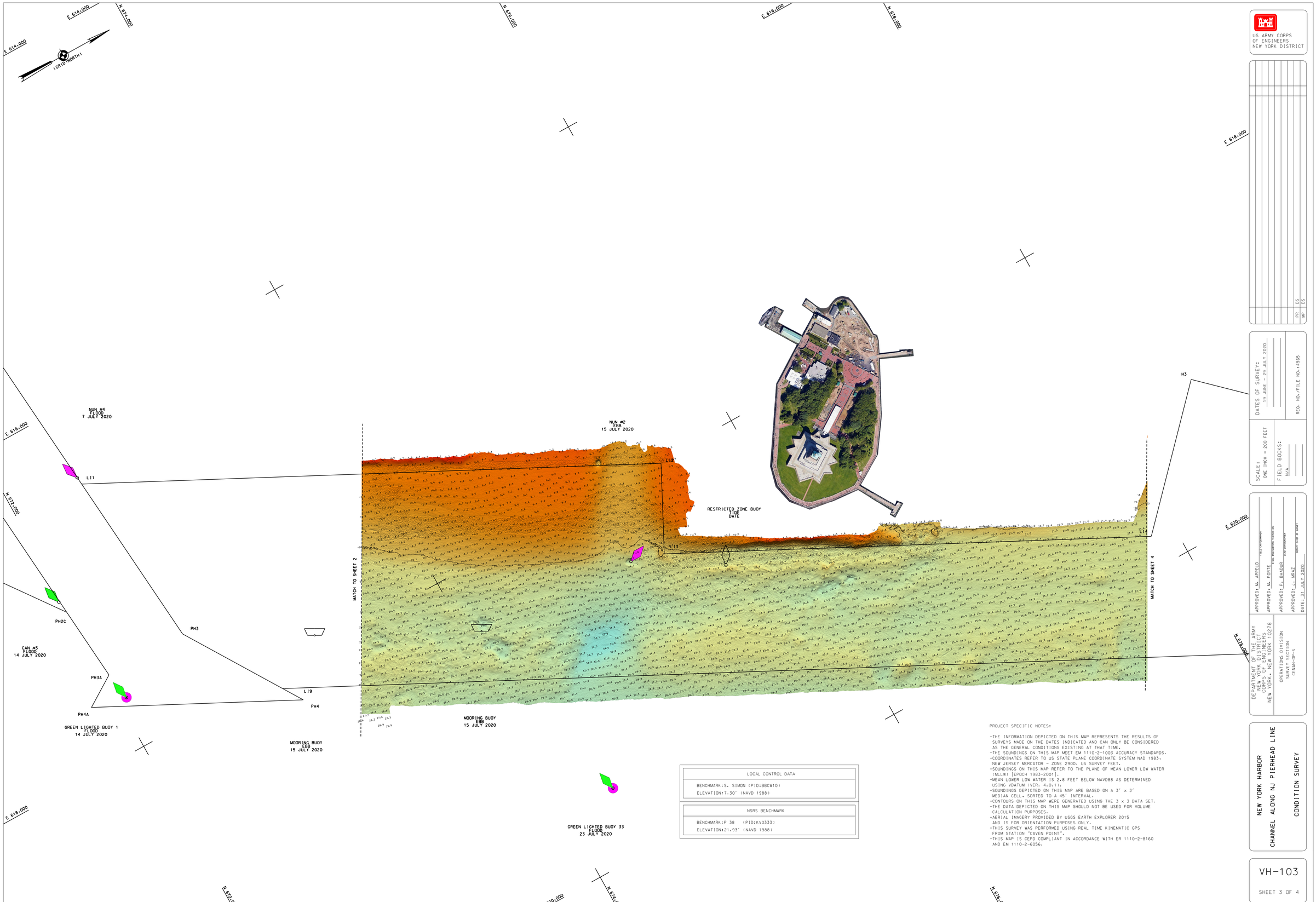
DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK HARBOR
CHANNEL ALONG NJ PIERHEAD LINE
CONDITION SURVEY

VH-102

SHEET 2 OF 4



LOCAL CONTROL DATA
BENCHMARK:S. SIMON (PID:BBC#10)
ELEVATION:7.30' (NAVD 1988)

NSRS BENCHMARK
BENCHMARK:P 38 (PID:KV0333)
ELEVATION:21.93' (NAVD 1988)

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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	DS		
MP	DS		

DATES OF SURVEY:
19 JUNE - 29 JULY 2020

REQ. NO./FILE NO.:4965

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: M. APPELO — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHAGUR — LAND CARTOGRAPHER
APPROVED: J. MRAZ — DEPUTY CHIEF OF SURVEY
DATE: 31 JULY 2020

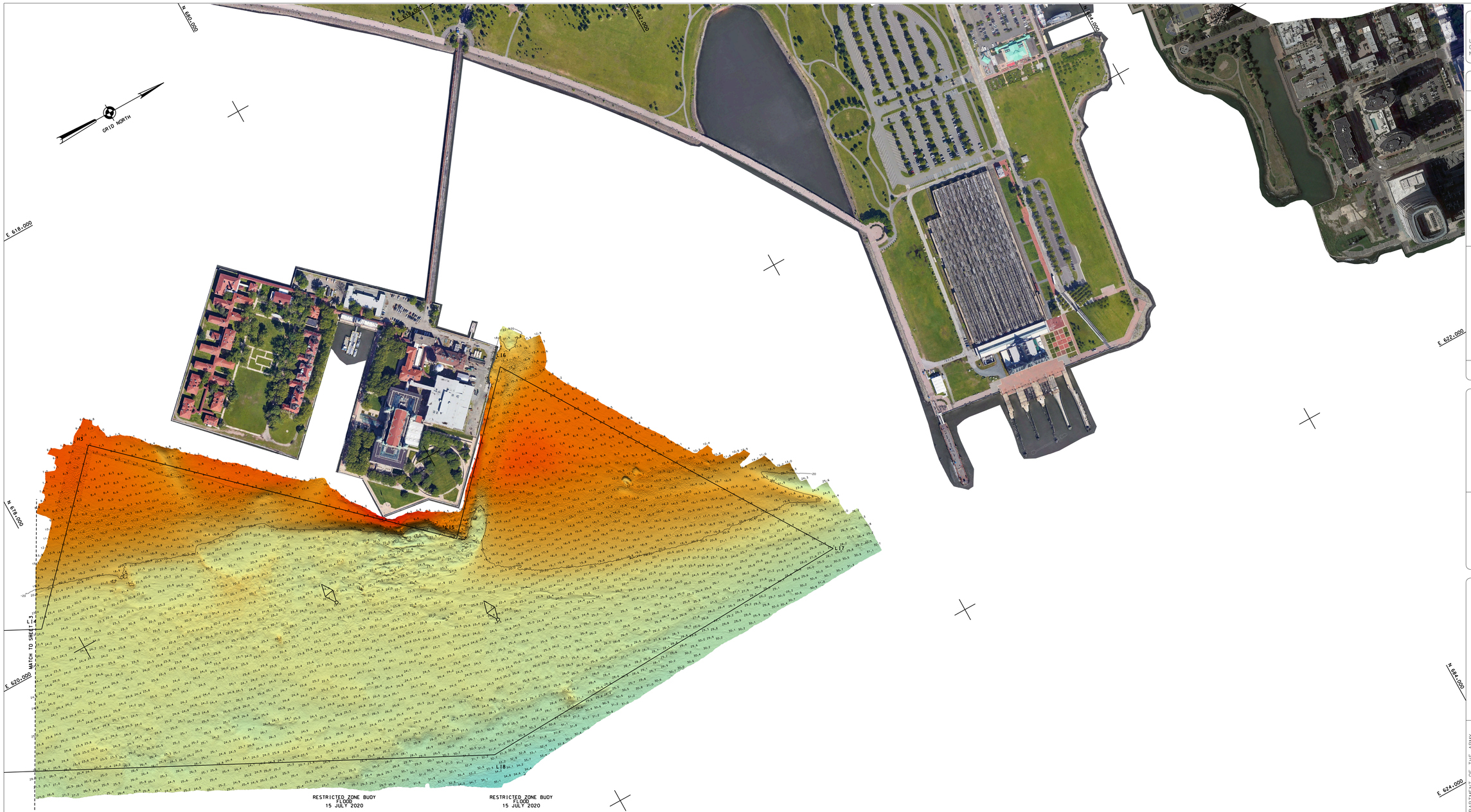
DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
COMM-OPS

NEW YORK HARBOR
CHANNEL ALONG NJ PIERHEAD LINE
CONDITION SURVEY

VH-103

SHEET 3 OF 4



GREEN LIGHTED BUOY 35
EBB
23 JULY 2020

LOCAL CONTROL DATA
BENCHMARK:S. SIMON (PID:BBCW10)
ELEVATION:7.30' (NAVD 1988)

NSRS BENCHMARK
BENCHMARK:P 38 (PID:KV0333)
ELEVATION:21.93' (NAVD 1988)

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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	DS	
MP	DS	

DATES OF SURVEY:
19 JUNE - 29 JULY 2020

REQ. NO./FILE NO.:4965

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: M. APPELO — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BRADNER — CHIEF CARTOGRAPHER
APPROVED: J. MRAZ — BRANCH CHIEF OF SURVEY
DATE: 31 JULY 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
CHANNEL ALONG NJ PIERHEAD LINE
CONDITION SURVEY

VH-104

SHEET 4 OF 4