

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).
- 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.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "SIMPSON 2 RM 3" & "CAVEN POINT".
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND FM 1110-2-205C.

N 602.000

NSRS BENCHMARK
BENCHMARK: SIMPSON 2 (KV0709)
ELEVATION: 6.92' (NAVD 1988)
LOCAL CONTROL DATA
BENCHMARK: SIMPSON 2 RM 3 (KV0707)
ELEVATION: 6.85' (NAVD 1988)

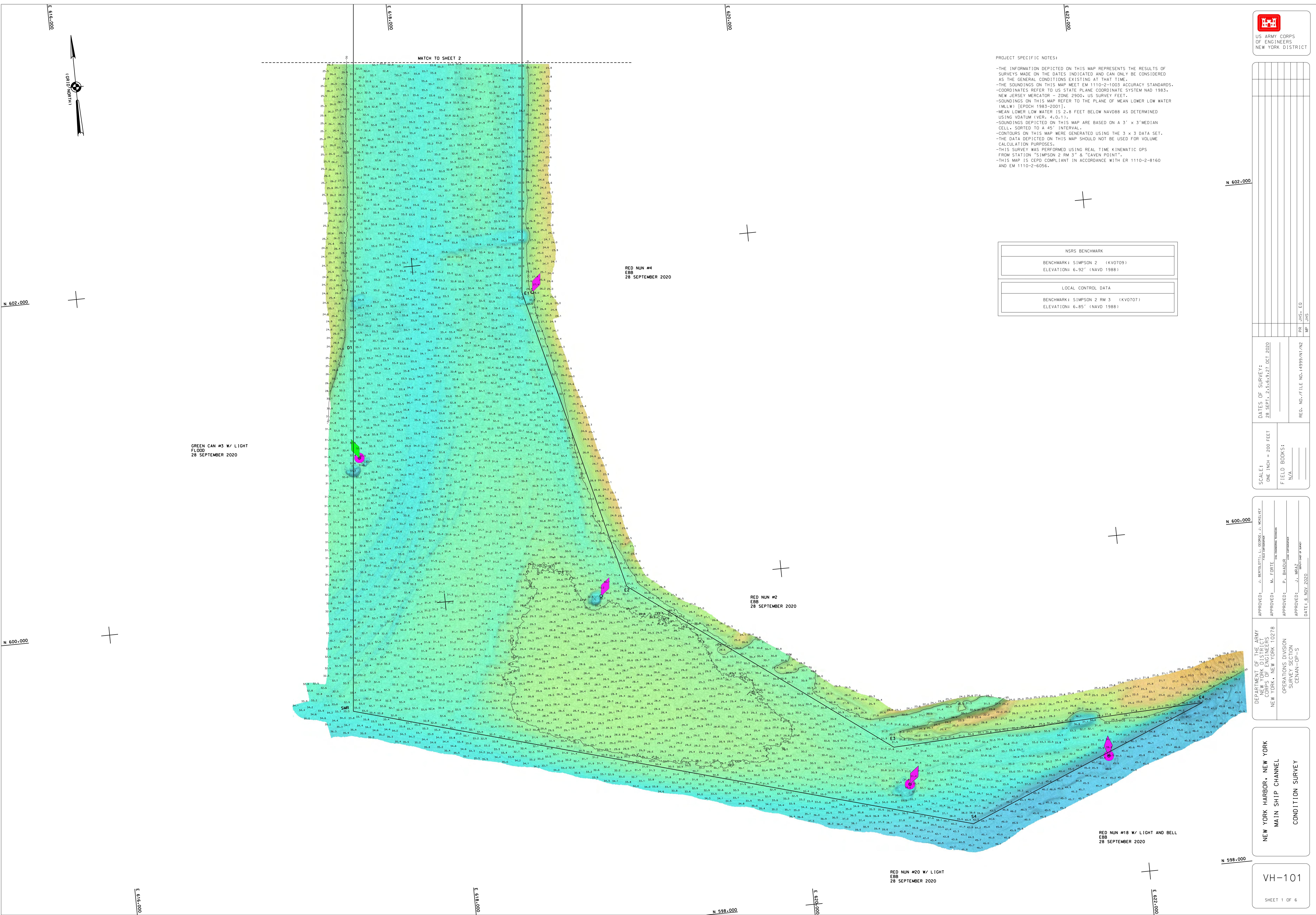
<p>N 600,000</p>		APPROVED: J. BERTOLOTTI • L. GEORGE, J. MCKELVEY FIELD CARTOGRAPHER
<p>DEPARTMENT OF THE ARMY NEW YORK DISTRICT CORPS OF ENGINEERS NEW YORK, NEW YORK 10278</p>		APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
<p>OPERATIONS DIVISION SURVEY SECTION CENAN-OP-S</p>		APPROVED: P. BHADUR LEAD CARTOGRAPHER
		APPROVED: J. MRAZ DEPUTY CHIEF OF SURVEY
		DATE: 6 NOV 2020

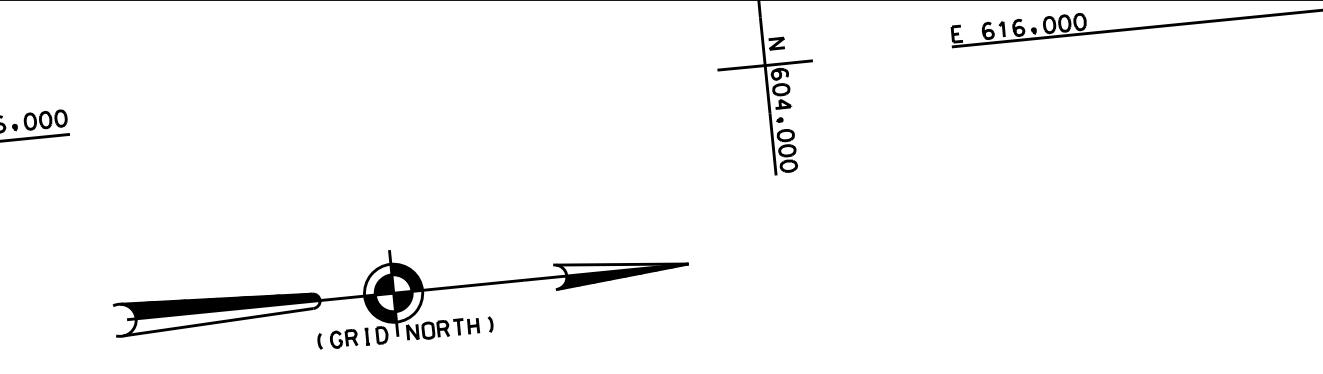
NEW YORK HARBOR • NEW YORK
MAIN SHIP CHANNEL
CONDITION SURVEY

598.000

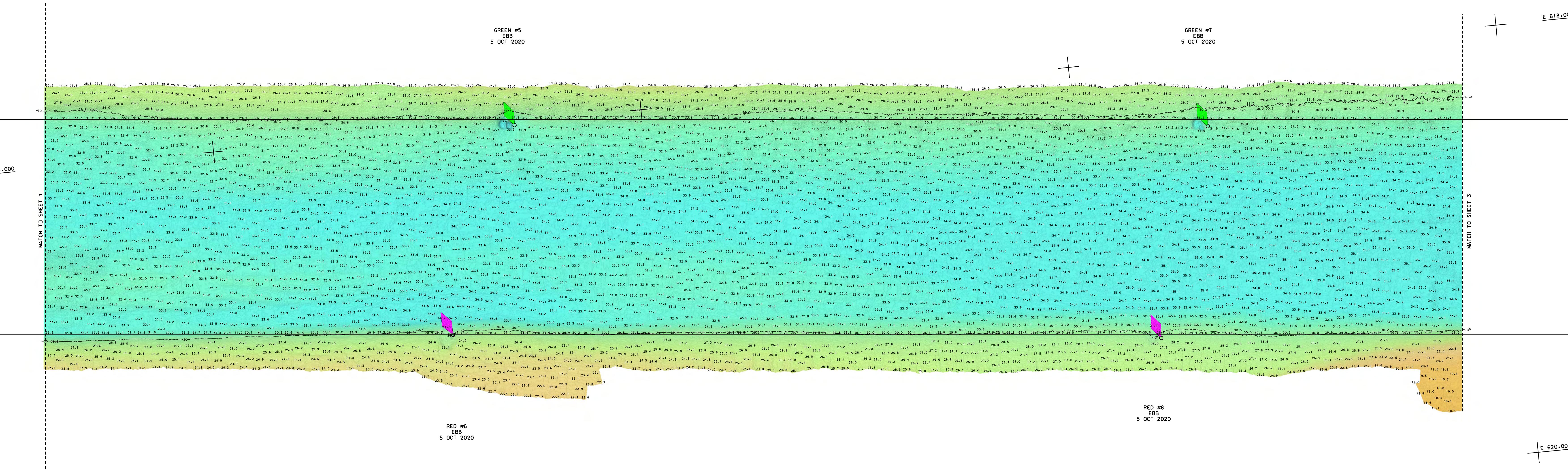
VH-101

SHEET 1 OF 6





E 616.000
000-000 N



GREEN #5
EBB
5 OCT 2020

E 618.000

REG. NO./FILE NO.: 4499/N/2	DATE OF SURVEY: 28 SEP. 2020
FIELD BOOKS:	
N/A	

SCALE: ONE INCH = 200 FEET	APPROVED: J. BERNOTTI, L. GEORGE, J. McKELEY FEDERAL ENGINEER
FIELD BOOKS:	
N/A	

APPROVED: M. FORTÉ ON BEHALF OF NEW YORK STATE DEPARTMENT OF THE ARMY	APPROVED: P. SHADUR ON BEHALF OF NEW YORK STATE DEPARTMENT OF THE ARMY
DATE: 6 NOV 2020	

E 620.000



E 620.000
000-000 N

REO. NO. / FILE NO. 4499/N/2

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-SOUNDINGS ON THIS MAP WERE GENERATED USING THE 3 X 3 DATA SET.	
-SOUNDINGS ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.	
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "SIMPSON 2 RM 3" & "CAVEN POINT".	
-THIS MAP IS CEPO COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160.	

DEPARTMENT OF THE ARMY APPROVED: NEW YORK STATE ON BEHALF OF NEW YORK NEW YORK MAIN SHIP CHANNEL OPERATIONS DIVISION SURVEY SECTION CENAN-OP-S	APPROVED: J. BERNOTTI, L. GEORGE, J. McKELEY FEDERAL ENGINEER
APPROVED: M. FORTÉ ON BEHALF OF NEW YORK STATE DEPARTMENT OF THE ARMY	

APPROVED: P. SHADUR ON BEHALF OF NEW YORK STATE DEPARTMENT OF THE ARMY	APPROVED: J. MIRZ ON BEHALF OF NEW YORK STATE DEPARTMENT OF THE ARMY
DATE: 6 NOV 2020	

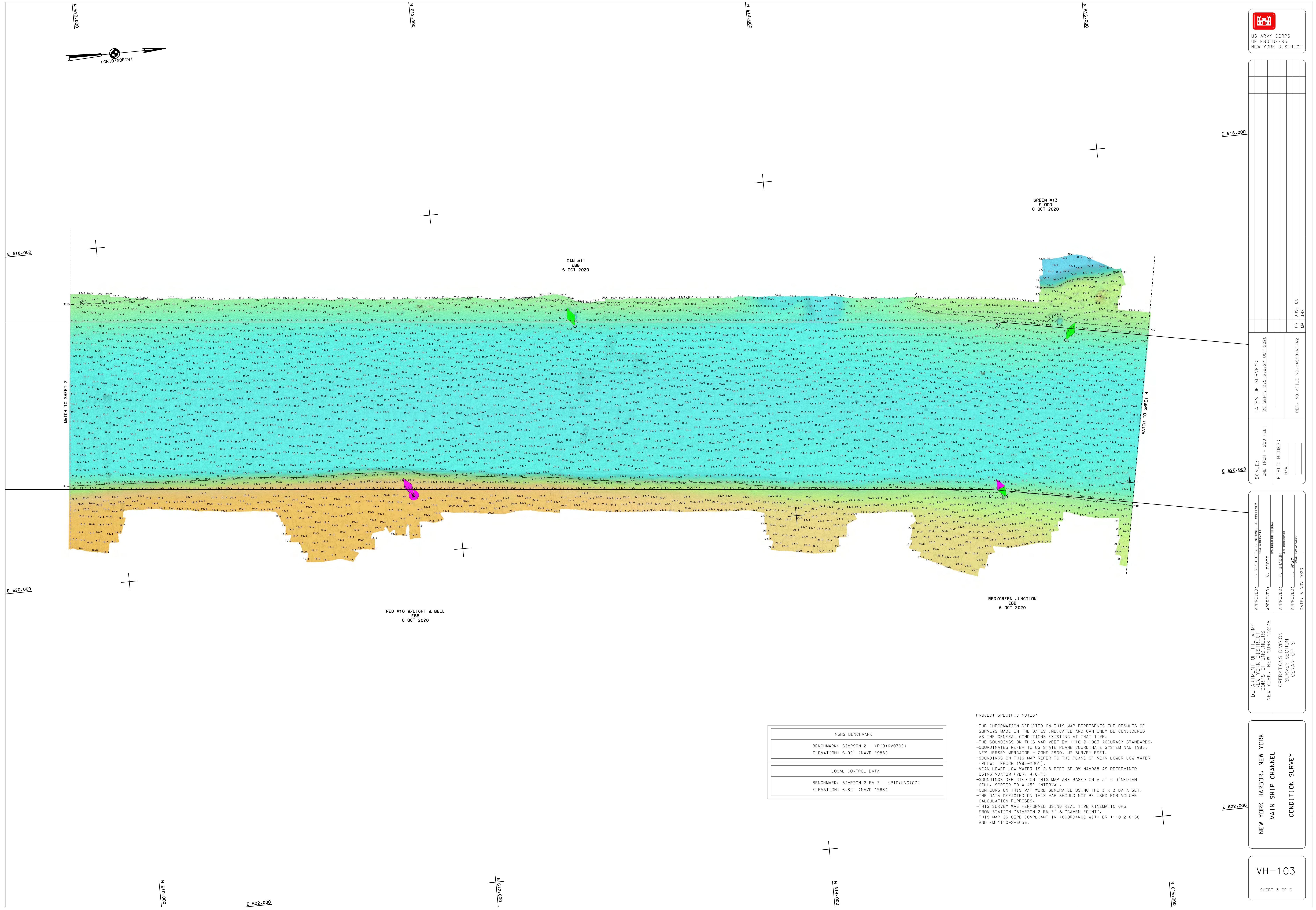
SHEET 2 OF 6

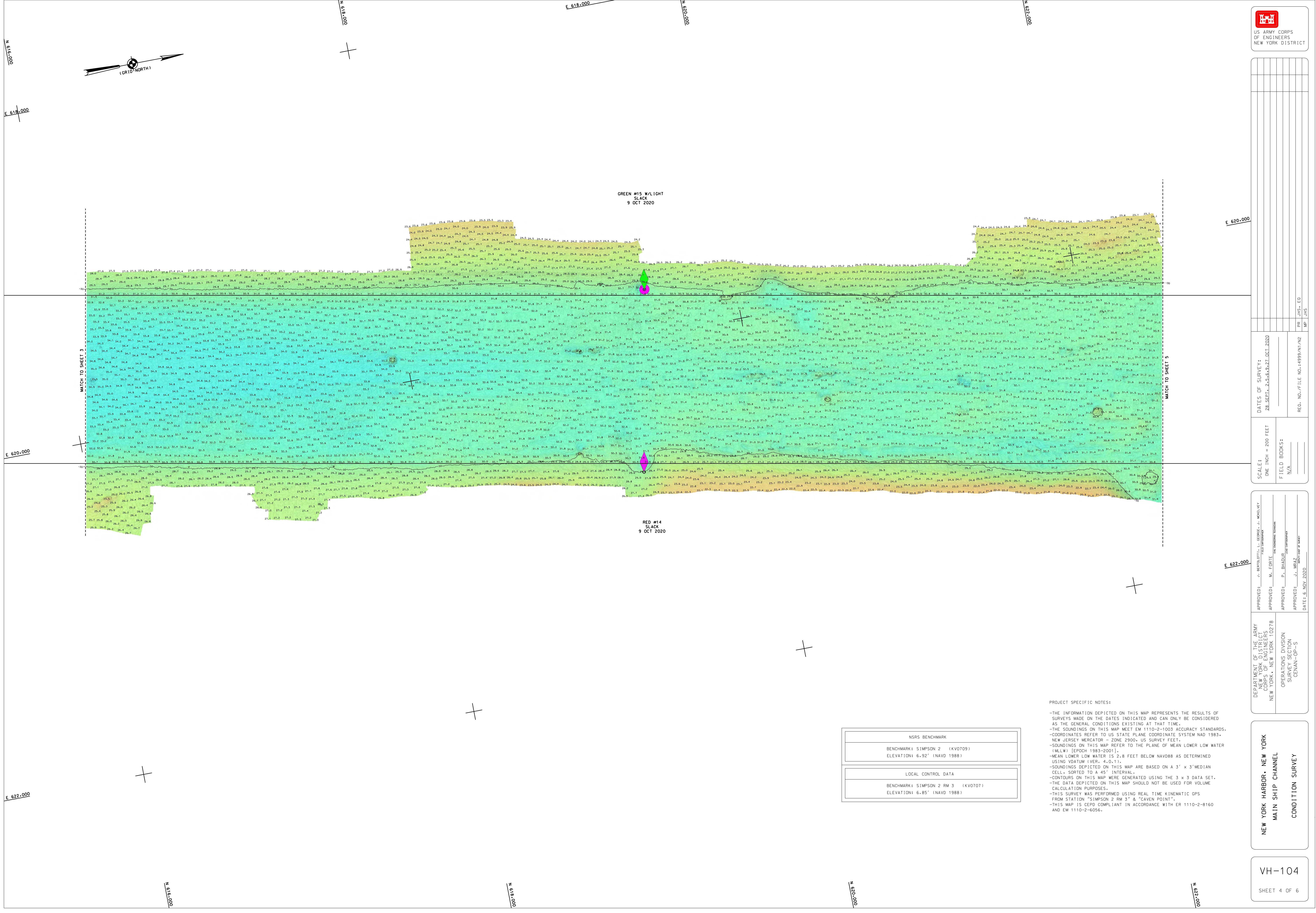
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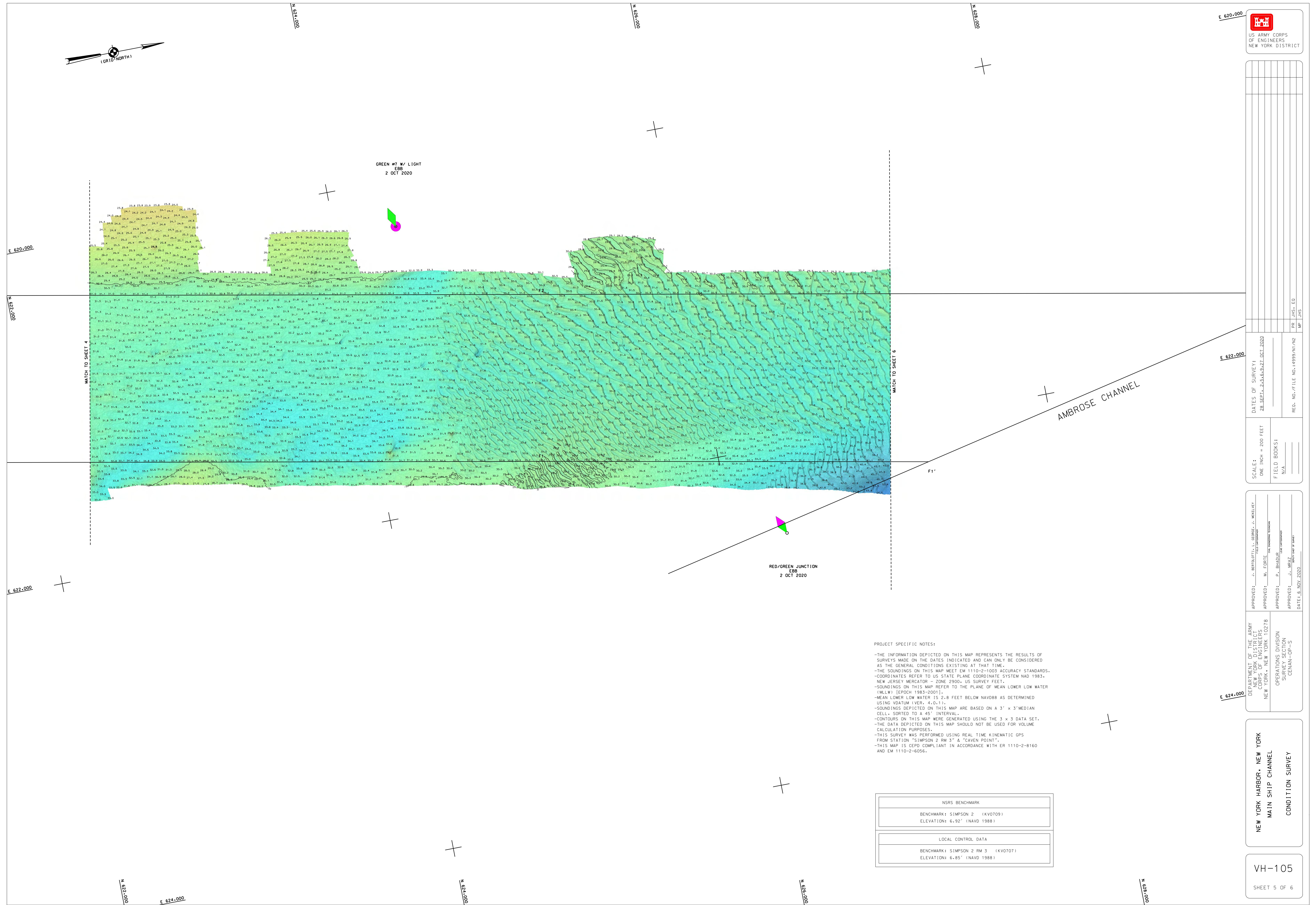
NSRS BENCHMARK
BENCHMARK: SIMPSON 2 (KV0709) ELEVATION: 6.92' (NAVD 1988)

NSRS BENCHMARK

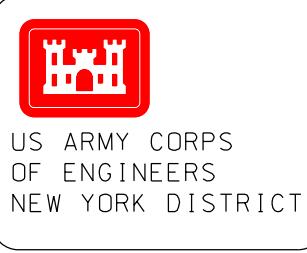
VH-102



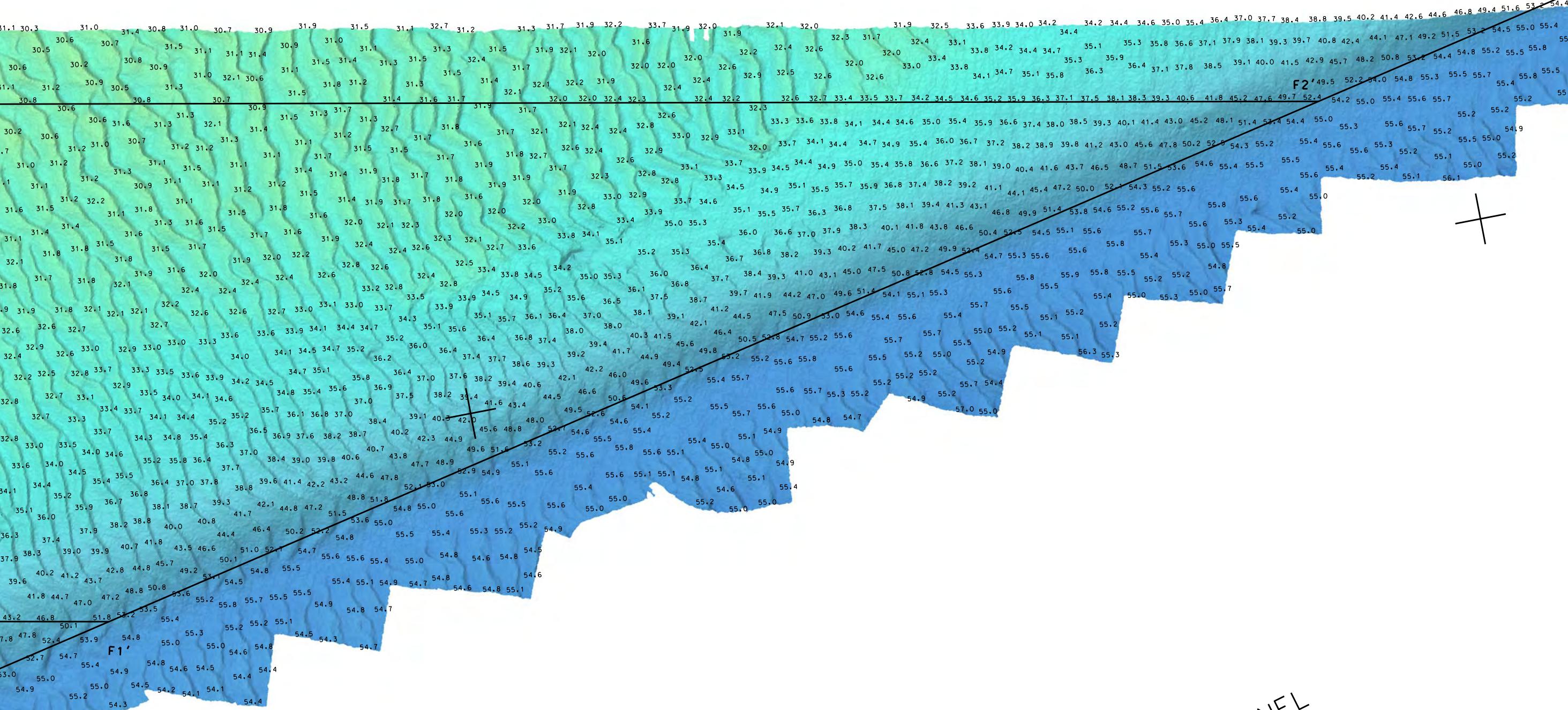




NEW YORK HARBOR, NEW YORK
MAIN SHIP CHANNEL
CONDITION SURVEY



MATCH TO SHEET 5



AMBROSE CHANNEL

E 620.000

000-009 N

E 622.000

000-009 N

(GRID NORTH)

E 624.000

000-009 N

E 622.000

000-009 N

E 624.000

000-009 N

000-009 N

E 622.000

E 622.000

E 624.000

VH-106

SHEET 6 OF 6

PROJECT SPECIFIC NOTES:

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- THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "SIMPSON 2 RM 3" & "CAVEN POINT".
- THIS MAP IS CERP COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

NSRS BENCHMARK	
BENCHMARK: SIMPSON 2 (KV0709)	ELEVATION: 6.92' (NAVD 1988)
LOCAL CONTROL DATA	
BENCHMARK: SIMPSON 2 RM 3 (KV0707)	ELEVATION: 6.85' (NAVD 1988)

NEW YORK HARBOR, NEW YORK MAIN SHIP CHANNEL CONDITION SURVEY
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REO. NO. / FILE NO.: 4999/N1/N2

DEPARTMENT OF THE ARMY NEW YORK DISTRICT NEW YORK, NEW YORK OPERATIONS DIVISION SURVEY SECTION CENAN-OP-S	APPROVED: J. BERNOTTI, L. GEORGE, Jr. MOELKEY FEDERAL ENGINEER APPROVED: M. FORTÉ ON ENGINEERING FIELD BOOKS: N/A	SCALE: ONE INCH = 200 FEET DATES OF SURVEY: 28 SEPT. 2019-27 OCT 2020
		REQ. NO./FILE NO.: 4999/N1/N2 JHS EO JHS JHS

REG. NO./FILE NO.: 4999/N1/N2	JHS EO JHS JHS
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