

E 618,000

E 618,000

E 620,000

E 622,000



MATCH TO SHEET 2

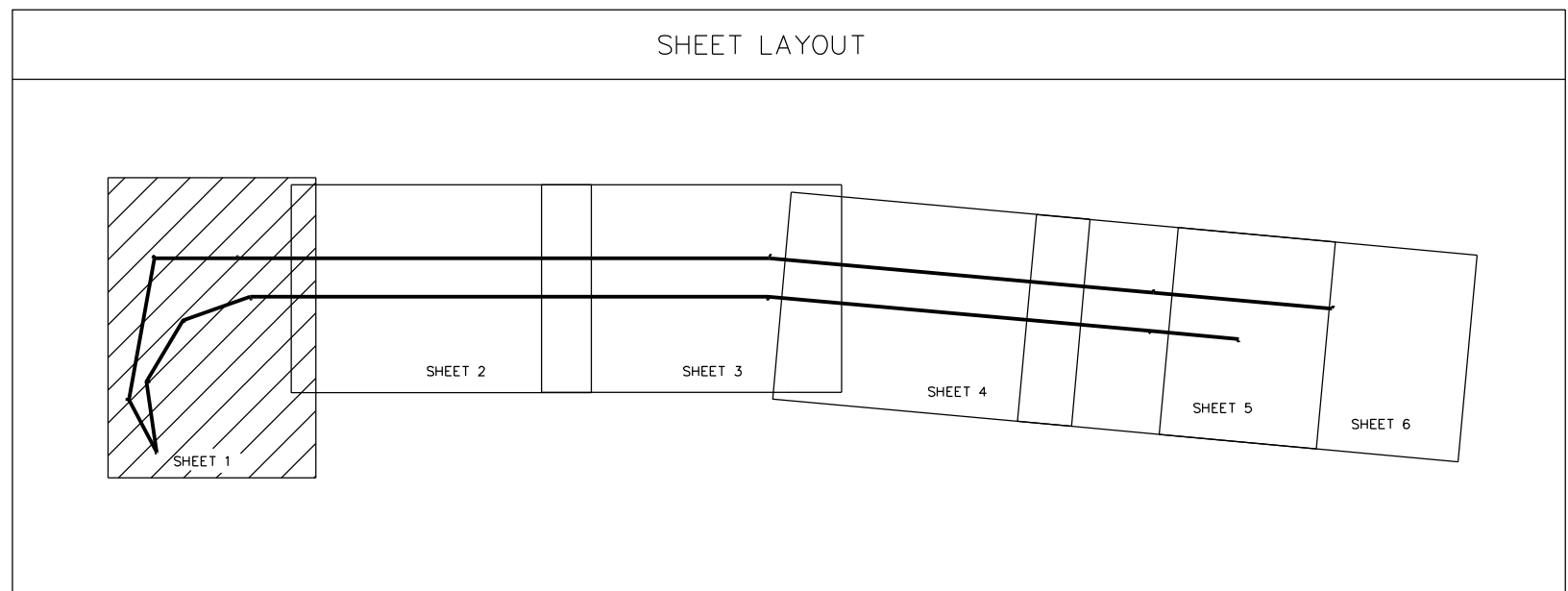
GREEN CAN #3
FLOOD
19 NOVEMBER 2019

RED NUM #4
FLOOD
19 NOVEMBER 2019

RED NUM #2
FLOOD
19 NOVEMBER 2019

RED NUM #18 W/BELL
FLOOD
19 NOVEMBER 2019

RED NUM #20
FLOOD
19 NOVEMBER 2019



NARS BENCHMARK
BENCHMARK: SIMPSON 2 (KV0709)
ELEVATION: 6.92' (NAVD 1988)
LOCAL CONTROL DATA
BENCHMARK: SIMPSON 2 RM3 (KV0707)
ELEVATION: 6.85' (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 NAD 1983, NEW JERSEY MERCATOR - ZONE 2000, 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: 3.5).
- SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO A 60" 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 "NY DOT RTH-SIMPSON 2 RM3".
- THIS MAP IS CEPO COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

DATES OF SURVEY:

20 NOV 2019 11 DEC 2019

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:

APPROVED: L. GEORGE

APPROVED: M. FORTE

APPROVED: D. CLARKE

APPROVED: J. MURRAY

DATE: 18 DECEMBER 2019

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

OPERATIONS DIVISION
SOUNDINGS SECTION
CEMAN-OP-S

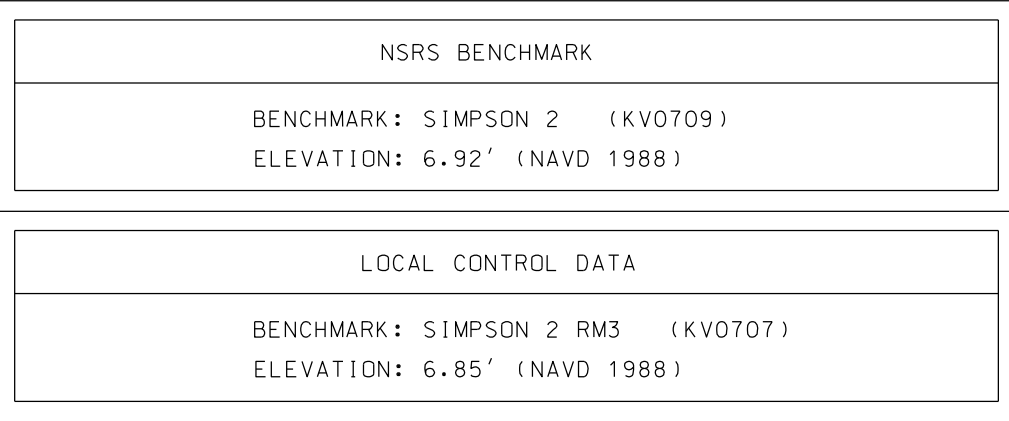
NEW YORK HARBOR, NEW YORK
MAIN SHIP CHANNEL
CONDITION SURVEY

VH-101
SHEET 1 OF 6



GREEN CAN #7
EBB
20 NOVEMBER 2019

RED NUN #8
EBB
20 NOVEMBER 2019



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 A GENERAL GUIDE TO THE FACTS THAT EXISTED AT THAT TIME.
- THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION GENERAL AS DESCRIBED IN EM 1110-2-1003.
- COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM MD 1983.
- NEW JERSEY STATE PLANE COORDINATE SYSTEM DATA ARE AVAILABLE.
- SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) [EPDOW 1983-2001].
- MEAN LOWER LOW WATER IS 2.8 FEET BELOW NAVD83 AS DETERMINED USING DATUM IVER (VER. 3.5).
- SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' X 3' MEDIAN CELL SOUNDING 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.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "NY DOT TRIMPSON 2 RMS".
- THIS MAP IS NOT FOR COMPLIANT IN ACCORDANCE WITH EM 1110-2-8160 AND EM 1110-2-6026.

20 NOV-13 DEC 2019

SCALE:
ONE INCH = 200'

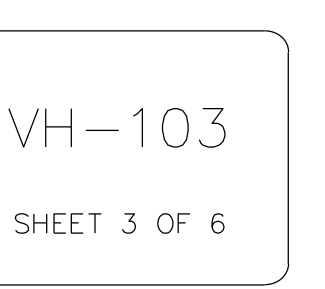
FIELD BOOKS:

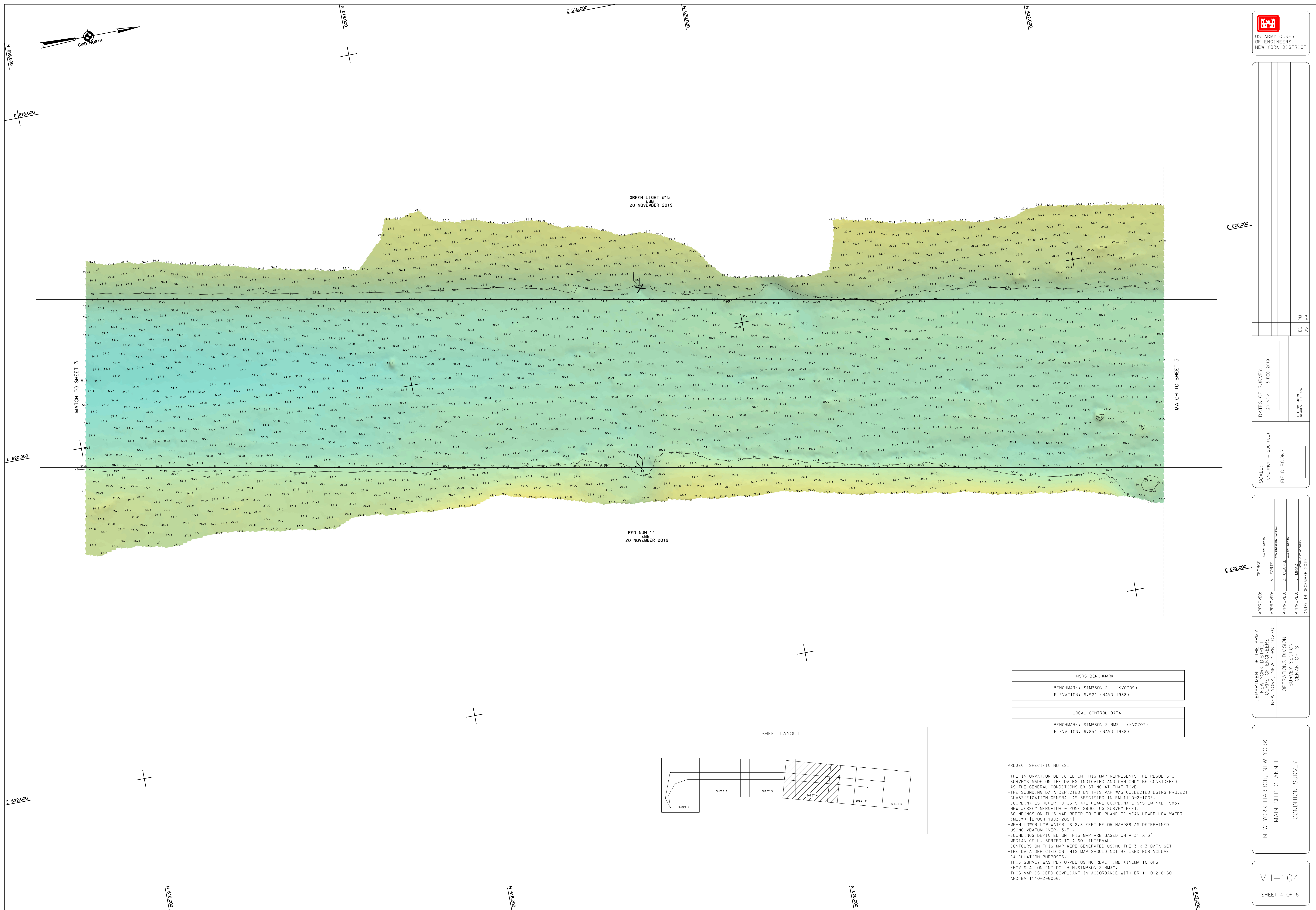
APPROVED: L. GEORGE FIELD
APPROVED: M. FORTE ONLINE
APPROVED: D. CLARKE LOCAL
APPROVED: J. MRAZ SPORTS CENTER
DATE: 18 DECEMBER 2019

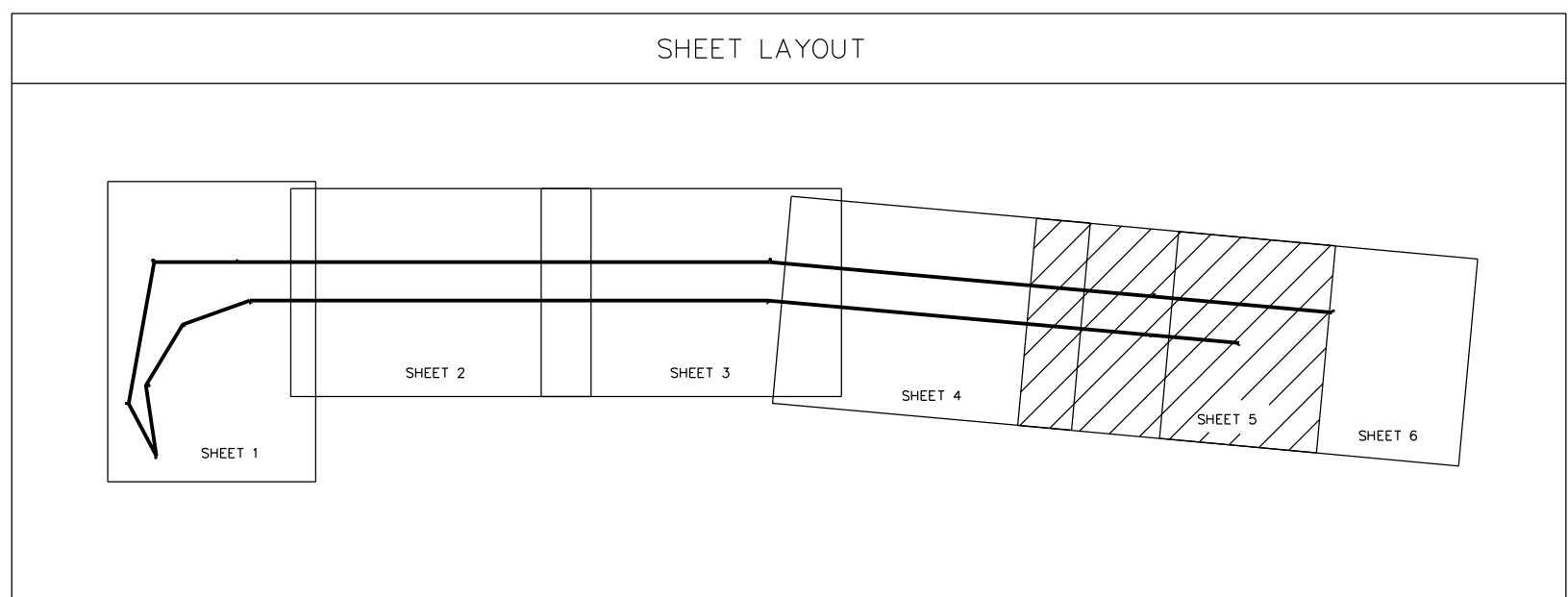
YORK HARBOR, NEW YORK
MAIN SHIP CHANNEL
CONDITION SURVEY

VH-102

SHEET 2 OF 6







- 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 UNDER CONDITIONS EXISTING AT THAT TIME.
- ALL SOUNDINGS DATA SHOWN ON THIS MAP WERE COLLECTED USING PROJECT CLASSIFICATION GENERAL AS SPECIFIED IN EM 1110-2-1003.
- COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 83.
- NEW JERSEY MAP SHEET NO. 16-17-10-11-12-13-14-15-16-17-18-19-20
- SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) [EPOCH 1985-2001].
- FOR EACH LOWER LOW WATER SOUNDING, 2 FEET BELOW NAVD83 AS DETERMINED USING DATUM (VDATE, FIVE, 3.5).
- SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' X 3' MEDIAN CELL.
- INTERVALS BETWEEN SOUNDINGS ARE 10 FEET.
- 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.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "NY 20 DRTN.SIMPANCE 2 RMS".
- THIS MAP IS NOT TO BE COUNTERED IN ACCORDANCE WITH EM 1110-2-8160 AND EM 1110-2-6056.

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
1001 _____

APPROVED: _____
L. COLONEL
FIELD 2010269408

APPROVED: _____
M. FORTE
ONE DODGING TENDON

APPROVED: _____
D. CLARKE
LAW 2010269408

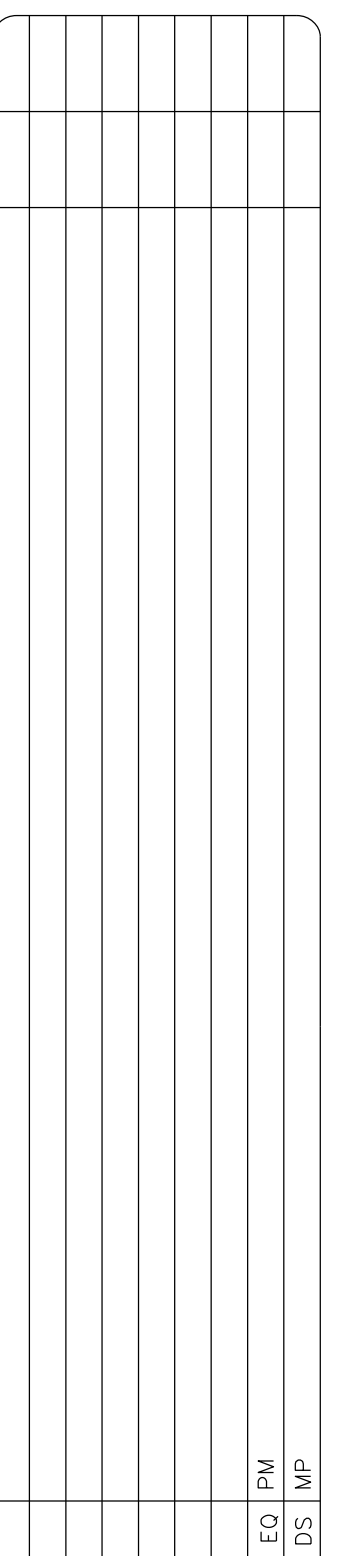
APPROVED: _____
J. MRAZ
SEVENTH ONE OF SLACK

DATE: 18 NOVEMBER 2019.

NEW YORK HARBOR, NEW YORK
MAIN SHIP CHANNEL
CONDITION SURVEY

VH-105

SHEET 5 OF 6



20 NOV - 13 DEC

SCALE:
ONE INCH = 200 FEET

APPROVED: L. GEORGE / P. KEARNS
FIELD COORDINATOR

APPROVED: M. FORTE
OIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LEAD CDR/ISSUE/CDR

APPROVED: J. MRAZ
SENIOR CHIEF OF SURVEY

DATE: 18 DECEMBER 2019.

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-5

NEW YORK HARBOR, NEW YORK
MAIN SHIP CHANNEL
CONDITION SURVEY

VH-106
SHEET 6 OF 6