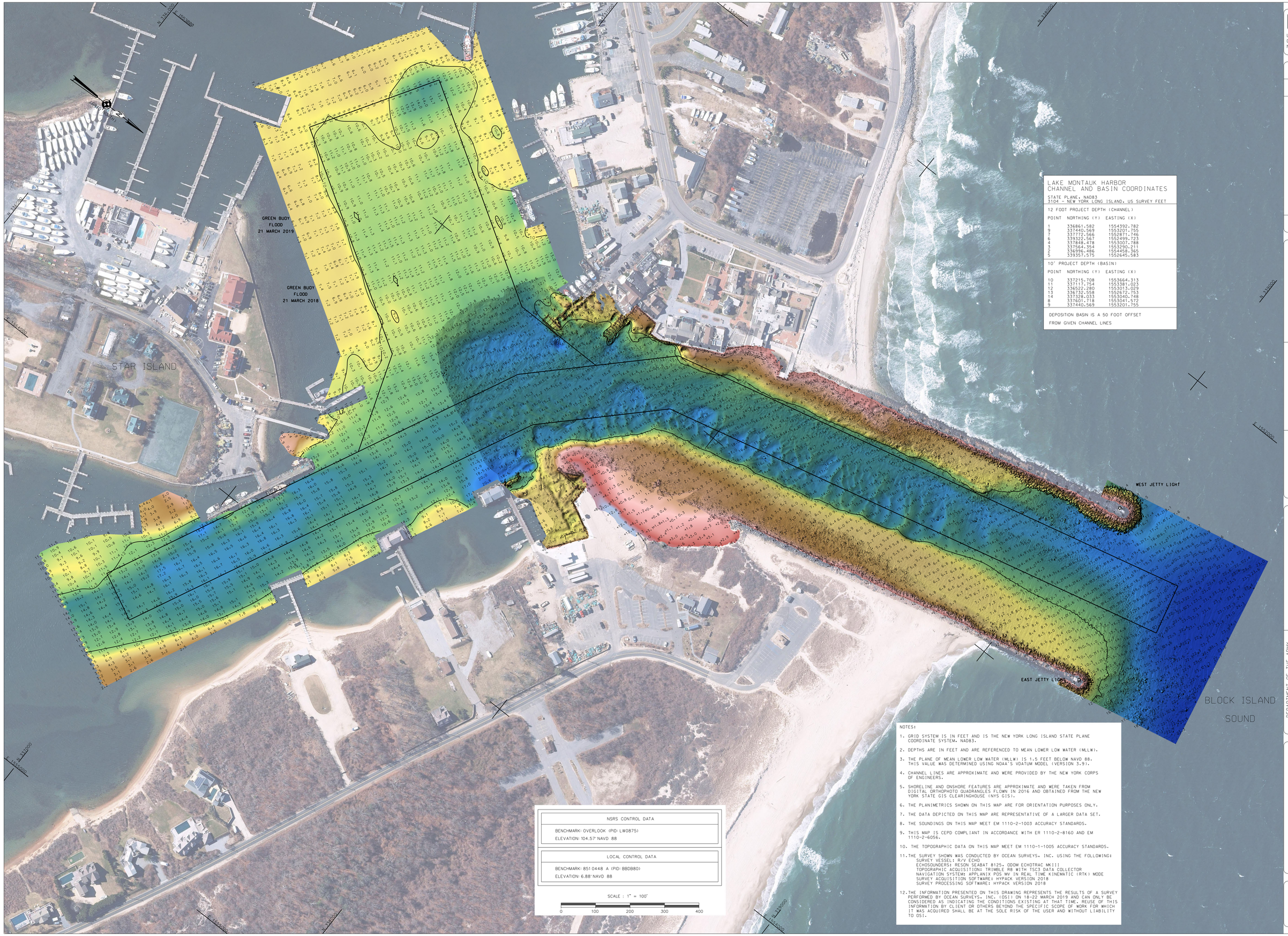

LAKE MONTAUK HARBOR CHANNEL AND BASIN COORDINATES

STATE PLANE, NAD83
3104 – NEW YORK LONG ISLAND, US SURVEY FEET

12 FOOT PROJECT DEPTH (CHANNEL)

POINT	NORTHING (Y)	EASTING (X)
1	336861.582	1554392.782
9	337440.569	1553201.755
7	337772.566	1552871.746
6	339322.567	1552499.723
4	337848.478	1553007.788
3	337564.354	1553290.211
2	336996.486	1554458.365
5	339357.575	1552645.583

10' PROJECT DEPTH (BASIN)

POINT	NORTHING (Y)	EASTING (X)
10	337215.708	1553664.313
11	337117.754	1553381.023
12	336522.280	1553013.029
13	336732.556	1552672.763
14	337328.033	1553040.748
8	337601.118	1553041.572
9	337440.569	1553201.755

DEPOSITION BASIN IS A 50 FOOT OFFSET FROM GIVEN CHANNEL LINES

NSRS CONTROL DATA

BENCHMARK: OVERLOOK (PID: LW0875)
ELEVATION: 104.57' NAVD 88

LOCAL CONTROL DATA

BENCHMARK: 851 0448 A (PID: BBDB80)
ELEVATION: 6.88' NAVD 88

SCALE : 1" = 100'

0 100 200 300 400

NOTES:

1. GRID SYSTEM IS IN FEET AND IS THE NEW YORK LONG ISLAND STATE PLANE COORDINATE SYSTEM, NAD83.
2. DEPTHS ARE IN FEET AND ARE REFERENCED TO MEAN LOWER LOW WATER (MLLW).
3. THE PLANE OF MEAN LOWER LOW WATER (MLLW) IS 1.5 FEET BELOW NAVD 88. THIS VALUE WAS DETERMINED USING NOAA'S VDATUM MODEL (VERSION 3.9).
4. CHANNEL LINES ARE APPROXIMATE AND WERE PROVIDED BY THE NEW YORK CORPS OF ENGINEERS.
5. SHORELINE AND ONSHORE FEATURES ARE APPROXIMATE AND WERE TAKEN FROM DIGITAL ORTHOPHOTO QUADRANGLES FLOWN IN 2016 AND OBTAINED FROM THE NEW YORK STATE GIS CLEARINGHOUSE (NYS GIS).
6. THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
7. THE DATA DEPICTED ON THIS MAP ARE REPRESENTATIVE OF A LARGER DATA SET.
8. THE SOUNDINGS ON THIS MAP MEET EM 1110-2-1003 ACCURACY STANDARDS.
9. THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.
10. THE TOPOGRAPHIC DATA ON THIS MAP MEET EM 1110-1-1005 ACCURACY STANDARDS.
11. THE SURVEY SHOWN WAS CONDUCTED BY OCEAN SURVEYS, INC. USING THE FOLLOWING:
    SURVEY VESSEL: R/V ECHO
    ECHOSOUNDERS: RESON SEABAT 8125, ODOM ECHOTRAC MK III
    TOPOGRAPHIC ACQUISITION: TRIMBLE R8 WITH TSC3 DATA COLLECTOR
    NAVIGATION SYSTEM: APPLANIX POS MV IN REAL TIME KINEMATIC (RTK) MODE
    SURVEY ACQUISITION SOFTWARE: HYPACK VERSION 2018
    SURVEY PROCESSING SOFTWARE: HYPACK VERSION 2018
12. THE INFORMATION PRESENTED ON THIS DRAWING REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY OCEAN SURVEYS, INC. (OSI) ON 18-22 MARCH 2019 AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME. REUSE OF THIS INFORMATION BY CLIENT OR OTHERS BEYOND THE SPECIFIC SCOPE OF WORK FOR WHICH IT WAS ACQUIRED SHALL BE AT THE SOLE RISK OF THE USER AND WITHOUT LIABILITY TO OSI.

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

OCEAN SURVEYS, INC.
MARINE SURVEYS
OLD SAYBROOK, CONNECTICUT
www.oceansurveys.com

DATES OF SURVEY: 18-22 MARCH 2019

FILE NO.: 115
REQUEST NO.: 4814

SCALE: ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: _____ FIELD CARTOGRAPHER
APPROVED: REGINALD SMITH PROJECT MANAGER
APPROVED: D. CLARKE FIELD CARTOGRAPHER
APPROVED: J. MRAZ DEPUTY CHIEF OF SURVEY
DATE: 8 APRIL 2019

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

LAKE MONTAUK HARBOR
LONG ISLAND, NEW YORK
PLANS AND SPECS SURVEY

VH-101

SHEET 01 OF 01

115
4814