CORPS OF ENGINEERS of Engineers ® New York District RED 10 RED 8 GREEN 9 OBSTRUCTION ID: 1
1 JULY 2019 DEPTH: 10.64 13,114.6 15.015.6 16.4 1 JULY 2019 1 JULY 2019 GREEN 3 1 JULY 2019 GRID SYSTEM IS IN FEET AND IS THE NEW YORK EAST STATE PLANE COORDINATE . DEPTHS ARE IN FEET AND ARE REFERENCED TO U.S. ARMY CORPS OF ENGINEERS MEAN LOW WATER (COE MLW). THE PLANE OF COE MLW IS 0.02-0.91 FEET BELOW NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88). THIS VALUE WAS PROVIDED BY THE COE. . MULTI-BEAM SOUNDINGS AS SHOWN ARE REPRESENTED USING THE MEDIAN OF A THREE (3') FOOT CELL SORTED TO THIRTY (30') FEET WITH CHANNEL PRIORITY. . CONTOURS ON THIS MAP WERE GENERATED USING THE MAP DATA SET. . 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 (NYSGIS). NSRS CONTROL DATA BENCHMARK: NYKT R2 (PID: DK8259) THE PLANIMETRICS AND ORTHO PHOTOS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. ELEVATION: 155.97' NAVD 88 3. THE DATA DEPICTED ON THIS MAP ARE REPRESENTATIVE OF A LARGER DATA SET. LOCAL CONTROL DATA 9. THE SOUNDINGS ON THIS MAP MEET EM 1110-2-1003 ACCURACY STANDARDS. BENCHMARK: CBM RH-1 10. THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND ELEVATION: 13.66' NAVD 88 1. THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES. 12. THE SURVEY SHOWN WAS CONDUCTED BY OCEAN SURVEYS, INC. USING THE FOLLOWING: SURVEY VESSEL: R/V ECHO ECHOSOUNDER: RESON SEABAT 8125 NAVIGATION SYSTEM: APPLANIX POSMV IN REAL TIME KINEMATIC (RTK) MODE SURVEY ACQUISITION SOFTWARE: HYPACK VERSION 2018 SURVEY PROCESSING SOFTWARE: HYPACK VERSION 2018 SCALE : 1" = 100'13. THE INFORMATION PRESENTED ON THIS DRAWING REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY OCEAN SURVEYS, INC. (OSI) ON 29 JUNE — 2 JULY 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 IDENTIFICATION IT WAS ACQUIRED SHALL BE AT THE SOLE RISK OF THE USER AND WITHOUT LIABILITY SHEET 1 OF 5

CORPS OF ENGINEERS GRID SYSTEM IS IN FEET AND IS THE NEW YORK EAST STATE PLANE COORDINATE 2. DEPTHS ARE IN FEET AND ARE REFERENCED TO U.S. ARMY CORPS OF ENGINEERS MEAN LOW WATER (COE MLW). THE PLANE OF COE MLW IS 0.02-0.91 FEET BELOW NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88). THIS VALUE WAS PROVIDED BY THE COE. 4. MULTI-BEAM SOUNDINGS AS SHOWN ARE REPRESENTED USING THE MEDIAN OF A THREE (3') FOOT CELL SORTED TO THIRTY (30') FEET WITH CHANNEL PRIORITY. 5. CONTOURS ON THIS MAP WERE GENERATED USING THE MAP DATA SET. 6. 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 (NYSGIS). NSRS CONTROL DATA BENCHMARK: NYKT R2 (PID: DK8259) . THE PLANIMETRICS AND ORTHO PHOTOS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. ELEVATION: 155.97' NAVD 88 8. THE DATA DEPICTED ON THIS MAP ARE REPRESENTATIVE OF A LARGER DATA SET. LOCAL CONTROL DATA 9. THE SOUNDINGS ON THIS MAP MEET EM 1110-2-1003 ACCURACY STANDARDS. BENCHMARK: CBM RH-1 10. THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056. ELEVATION: 13.66' NAVD 88 1. THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES. 12. THE SURVEY SHOWN WAS CONDUCTED BY OCEAN SURVEYS, INC. USING THE FOLLOWING:
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NAVIGATION SYSTEM: APPLANIX POSMV IN REAL TIME KINEMATIC (RTK) MODE
SURVEY ACCURATION SOFTWARE: HYDACK VERSION 2018 SURVEY ACQUISITION SOFTWARE: HYPACK VERSION 2018
SURVEY PROCESSING SOFTWARE: HYPACK VERSION 2018 SCALE : 1" = 100'13. THE INFORMATION PRESENTED ON THIS DRAWING REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY OCEAN SURVEYS, INC. (OSI) ON 29 JUNE — 2 JULY 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 MATCH TO SHEET 3 IDENTIFICATION SHEET 2 OF 5

CORPS OF ENGINEERS US Army Corps of Engineers ∘ New York District GRID SYSTEM IS IN FEET AND IS THE NEW YORK EAST STATE PLANE COORDINATE DEPTHS ARE IN FEET AND ARE REFERENCED TO U.S. ARMY CORPS OF ENGINEERS MEAN LOW WATER (COE MLW). THE PLANE OF COE MLW IS 0.02-0.91 FEET BELOW NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88). THIS VALUE WAS PROVIDED BY THE COE. MULTI-BEAM SOUNDINGS AS SHOWN ARE REPRESENTED USING THE MEDIAN OF A THREE (3') FOOT CELL SORTED TO THIRTY (30') FEET WITH CHANNEL PRIORITY. CONTOURS ON THIS MAP WERE GENERATED USING THE MAP DATA SET. . 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 (NYSGIS). NSRS CONTROL DATA BENCHMARK: NYKT R2 (PID: DK8259) THE PLANIMETRICS AND ORTHO PHOTOS SHOWN ON THIS MAP ARE FOR ELEVATION: 155.97' NAVD 88 ORIENTATION PURPOSES ONLY. 3. THE DATA DEPICTED ON THIS MAP ARE REPRESENTATIVE OF A LARGER DATA SET. LOCAL CONTROL DATA THE SOUNDINGS ON THIS MAP MEET EM 1110-2-1003 ACCURACY STANDARDS. BENCHMARK: CBM RH-1 O. THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND ELEVATION: 13.66' NAVD 88 1. THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION 2. THE SURVEY SHOWN WAS CONDUCTED BY OCEAN SURVEYS, INC. USING THE FOLLOWING: SURVEY VESSEL: R/V ECHO ECHOSOUNDER: RESON SEABAT 8125 NAVIGATION SYSTEM: APPLANIX POSMV IN REAL TIME KINEMATIC (RTK) MODE SURVEY ACQUISITION SOFTWARE: HYPACK VERSION 2018 SCALE : 1" = 100'SURVEY PROCESSING SOFTWARE: HYPACK VERSION 2018 . THE INFORMATION PRESENTED ON THIS DRAWING REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY OCEAN SURVEYS, INC. (OSI) ON 29 JUNE - 2 JULY 2019 AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME. REUSE OF THIS IDENTIFICATION 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

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