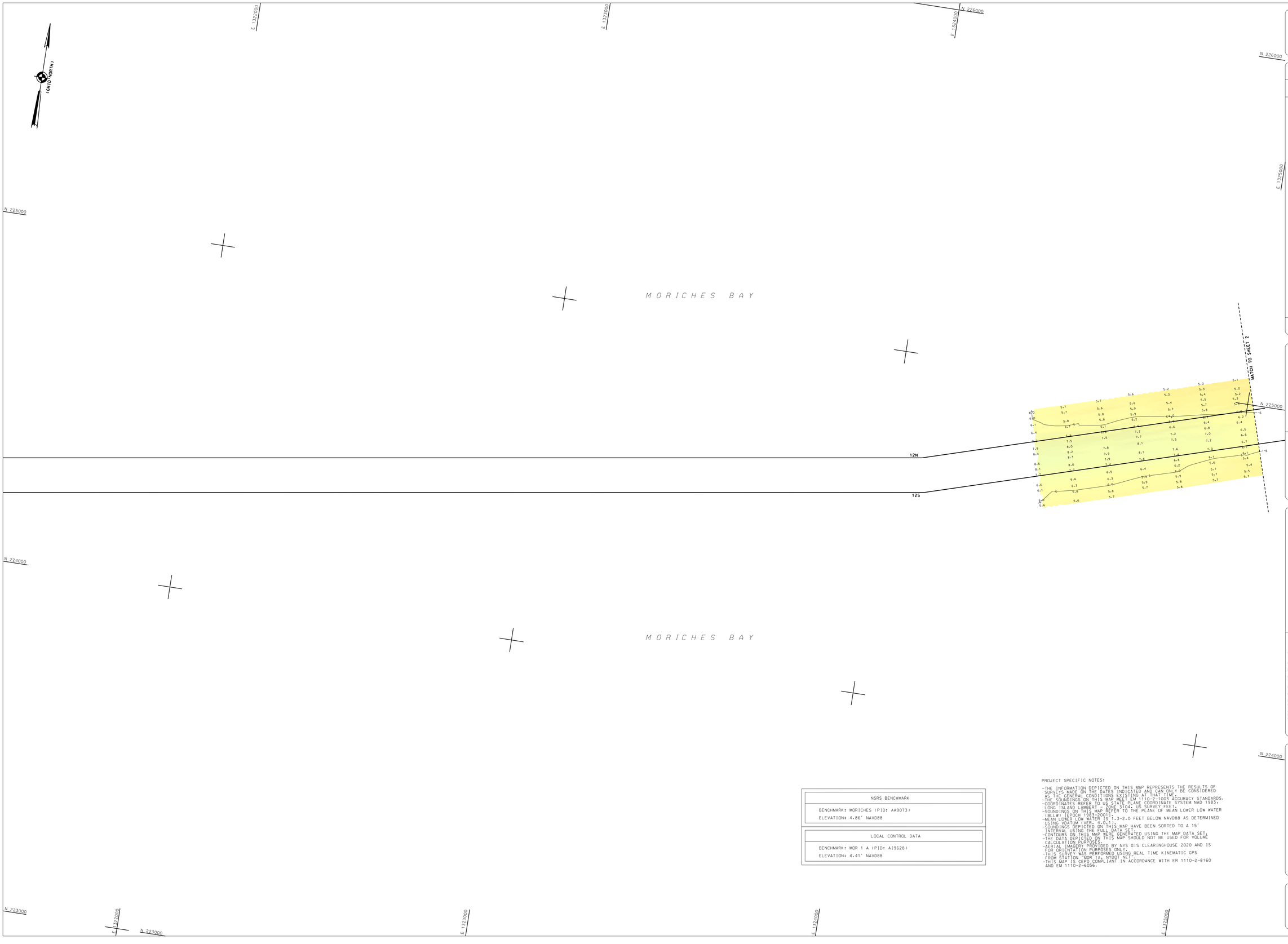
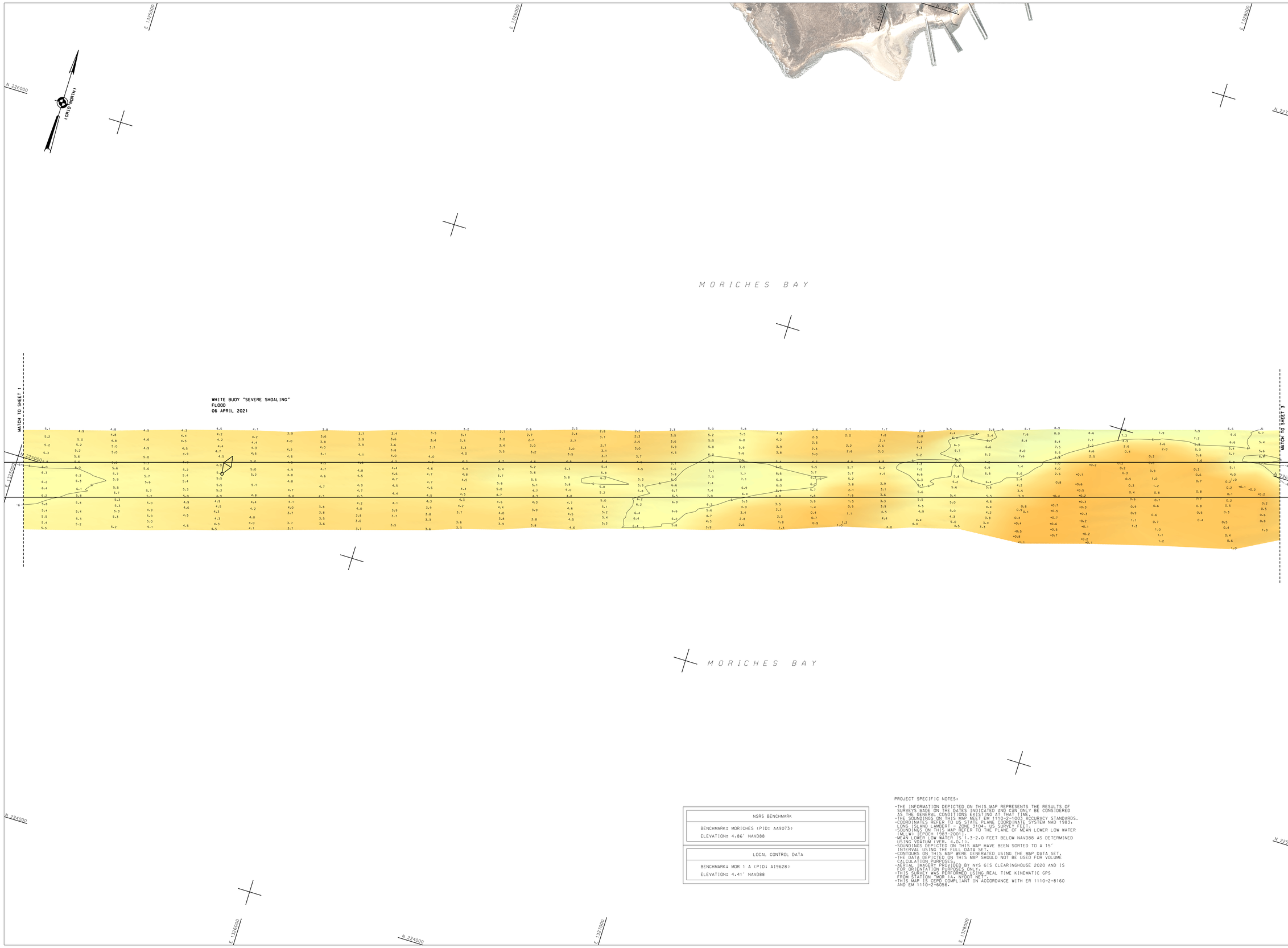

(GRID NORTH)
E 1323000
E 1324000
E 1325000
N 226000
N 225000
N 224000
N 223000
E 1322000
E 1326000
MORICHES BAY
MORICHES BAY
12N
12S
MATCH TO SHEET 2
5.0 5.1 5.3 5.0 5.4 5.2 5.6 5.7 5.3 5.7 5.5 5.7 5.8 5.9 5.4 5.6 5.9 5.8 6.2 6.1 6.4 6.2 6.8 6.4 6.8 6.5 7.0 7.2 7.2 6.6 7.2 7.5 7.7 7.5 7.2 7.6 7.9 8.1 8.1 7.8 7.9 8.0 8.2 8.3 8.0 7.8 7.9 7.8 8.1 8.4 8.6 8.1 7.9 6.5 6.4 6.2 6.8 6.1 5.6 5.9 5.7 5.9 5.8 5.8 5.4 5.4 5.7 5.7 5.7 5.5 5.7 6.6 6.3 6.3 6.0 5.8 5.8 5.7 5.6 5.6 5.7 5.8 5.9 5.7 5.8 5.7 5.6 5.6 5.7 5.8 5.9 5.8 6.1 6.1 6.4 6.6 6.1 6.6 6.7 6.6 6.5 6.7 6.8 6.1 6.2 6.4 6.2 6.1 6.0 6.0 6.1 6.1 6.0 6.0 6.1 6.1 6.0 6.0 6.1



NSRS BENCHMARK
BENCHMARK: MORICHES (PID: AA9073)
ELEVATION: 4.86' NAVD88

LOCAL CONTROL DATA
BENCHMARK: MOR 1 A (PID: AI9628)
ELEVATION: 4.41' NAVD88

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 DEPICTED ON THIS MAP MEET EM 1110-2-1003, ACCURACY STANDARDS.
- COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983, LONG ISLAND LAMBERT CONE, 3104, 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 1.3-2.0 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 4.0.1).
- SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN SORTED TO A 15' INTERVAL USING THE FULL DATA SET.
- CONTOURS ON THIS MAP WERE GENERATED USING THE MAP DATA SET.
- THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- AERIAL IMAGERY PROVIDED BY NYS GIS CLEARINGHOUSE 2020 AND IS FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "MOR 1A, NYDOT NET".
- 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 JHS
WP JHS

DATES OF SURVEY:
22-23 MARCH;4-9 APRIL 2021

REQ NO./FILE NO.: 5038/AL

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
N/A

APPROVED: J. BERTOLOTTI
CIVIL ENGINEERING TECHNICIAN

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BALDUR
SUPERVISORY HYDROGRAPHER

APPROVED: J. MRAZ
DEPUTY CHIEF OF SURVEY

DATE: 12 APRIL 2021

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

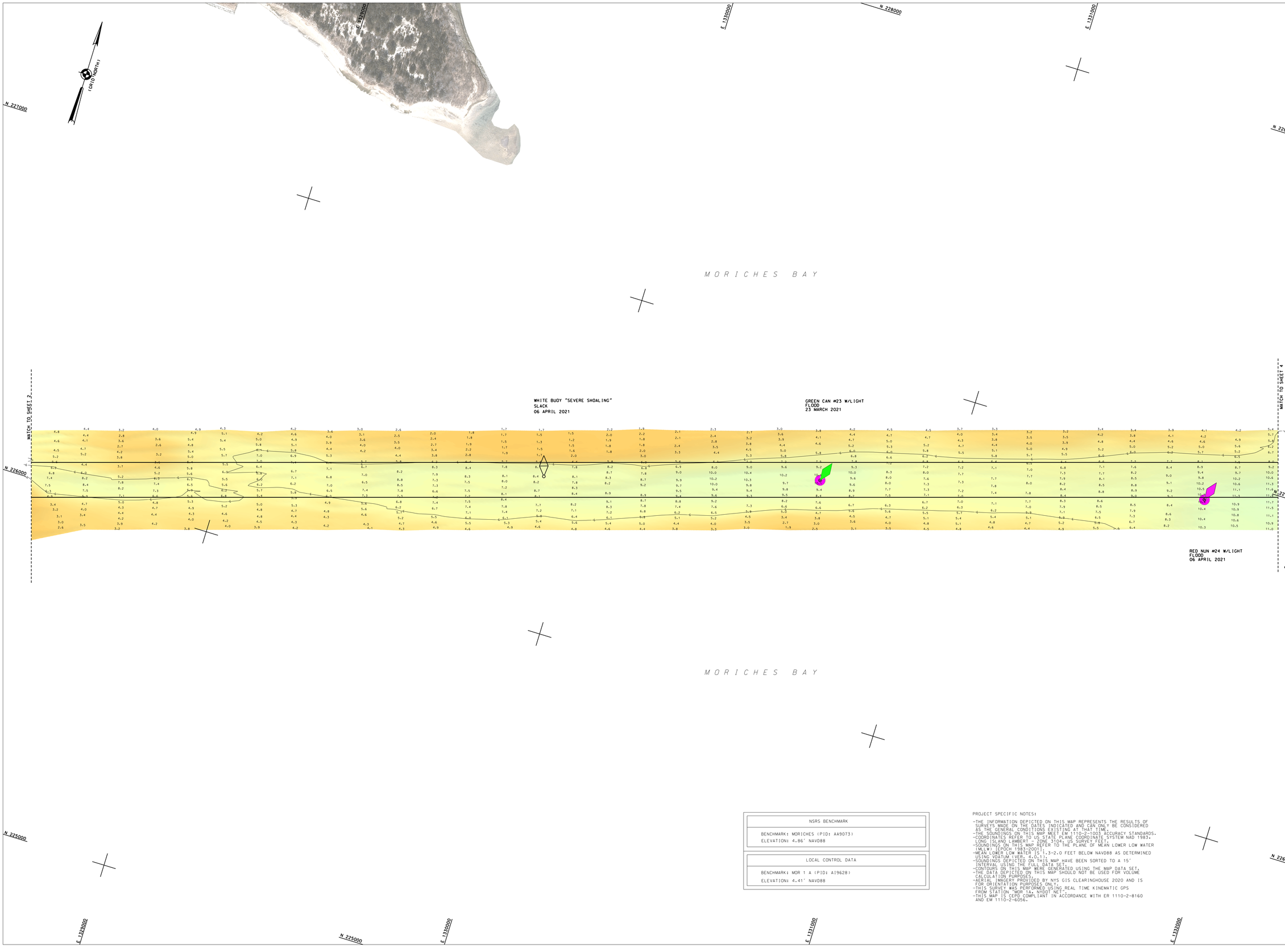
LONG ISLAND INTRACOASTAL WATERWAY, N.Y.

VICINITY OF PATCHOGUE, N.Y.

CONDITION SURVEY

VH-102

SHEET 2 OF 6
(FORMERLY SHEET 28)



NSRS BENCHMARK
BENCHMARK: MORICHES (PID: AA9073)
ELEVATION: 4.86' NAVD88

LOCAL CONTROL DATA
BENCHMARK: MOR 1 A (PID: AI9628)
ELEVATION: 4.41' NAVD88

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.
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- COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983, LONG ISLAND LAMBERT - ZONE 3104, US SURVEY FEET.
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- THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- AERIAL IMAGERY PROVIDED BY NYS GIS CLEARINGHOUSE 2020 AND IS FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "MOR 1A, NYDOT NET".
- 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	JHS	
WP	JHS	

DATES OF SURVEY:
22-23 MARCH & 6-8 APRIL 2021

REQ NO./FILE NO.: 5038/AL

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
N/A

APPROVED: J. BERTOLOTTI
CHIEF, FIELD SURVEYING BRANCH

APPROVED: M. FORTE
CHIEF, ENGINEERING TECHNICIAN

APPROVED: P. BHAGWAT
CHIEF, HYDROGRAPHIC SURVEYING BRANCH

APPROVED: J. MRAZ
DEPUTY CHIEF OF SURVEYS

DATE: 12 APRIL 2021

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS

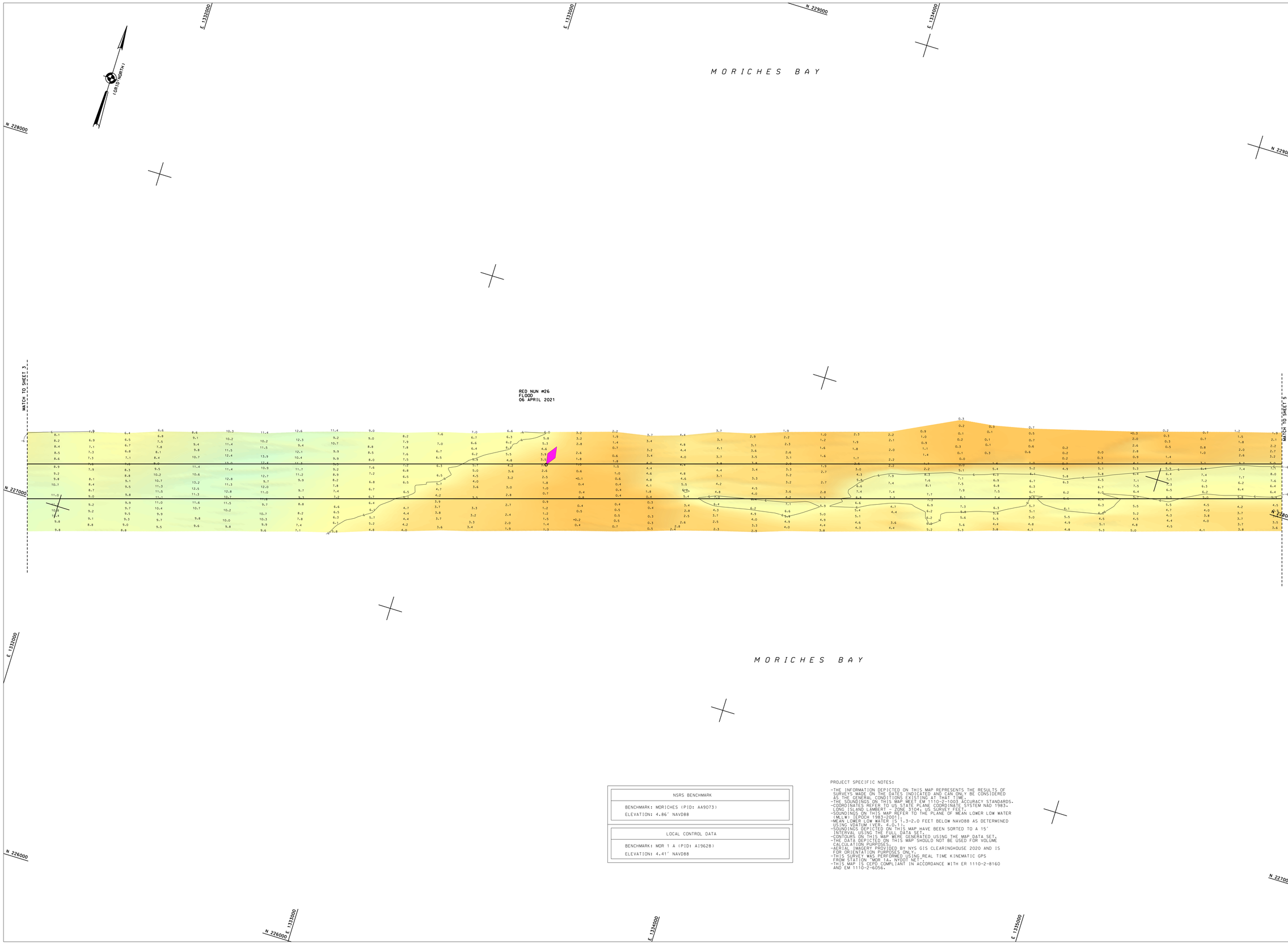
LONG ISLAND INTRACOASTAL WATERWAY, N.Y.

VICINITY OF PATCHOGUE, N.Y.

CONDITION SURVEY

VH-103

SHEET 3 OF 6
(FORMERLY SHEET 29)



NSRS BENCHMARK
BENCHMARK: MORICHES (PID: AA9073) ELEVATION: 4.86′ NAVD88

LOCAL CONTROL DATA
BENCHMARK: MOR 1 A (PID: AI9628) ELEVATION: 4.41′ NAVD88

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.
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- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "MOR 1A. NYDOT NET".
- 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	JHS	
MP	JHS	

DATES OF SURVEY: 22-23 MARCH,6-8 APRIL 2021

REQ NO./FILE NO.: 5038/AL

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: N/A

APPROVED: J. BERTOLOTTI — FIELD SURVEYOR
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR — CHIEF, SURVEY COORDINATOR
APPROVED: J. MRAZ — DEPUTY CHIEF OF SURVEYS
DATE: 12 APRIL 2021

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

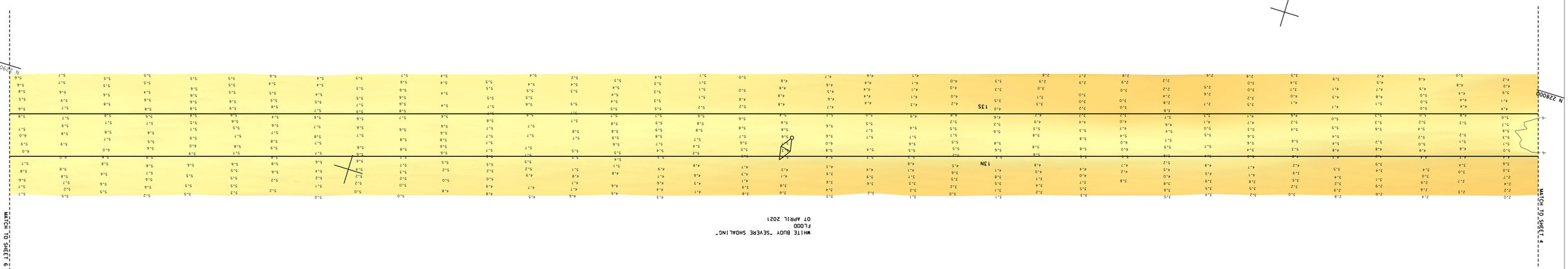
LONG ISLAND INTRACOASTAL WATERWAY, N.Y.

VICINITY OF PATCHOGUE, N.Y.

CONDITION SURVEY

VH-104

SHEET 4 OF 6
(FORMERLY SHEET 30)



PROJECT SPECIFIC NOTES:
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-COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983.
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-THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

NSRS BENCHMARK

BENCHMARK: MORICHES (PID: AA9073)
ELEVATION: 4.86' NAVD88

BENCHMARK: MOR 1 A (PID: A19628)
ELEVATION: 4.41' NAVD88

LOCAL CONTROL DATA

E 1339000

N 229000

VH-105
SHEET 5 OF 6
(FORMERLY SHEET 31)

LONG ISLAND INTRACOASTAL WATERWAY, N.Y.
VICINITY OF PATCHOGUE, N.Y.
CONDITION SURVEY

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

OPERATIONS DIVISION
SURVEYS SECTION
CENAN-OP-S

APPROVED: J. BERTOLOTTI
CHIEF, SURVEYS SECTION

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BRADY
CHIEF, OPERATIONS DIVISION

APPROVED: J. MORAZ
CHIEF, CHIEF OF SURVEYS

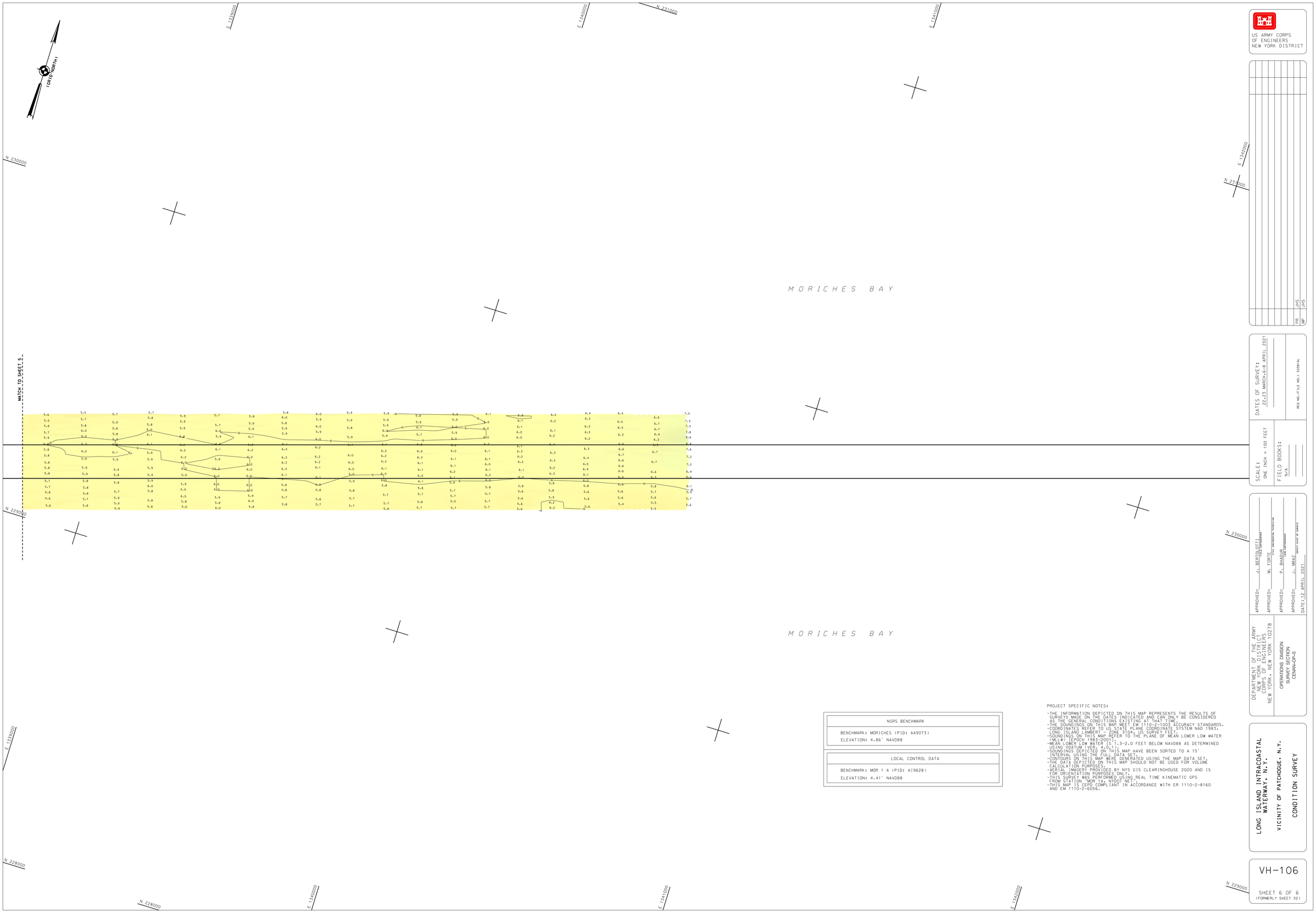
DATE: 12 APRIL 2021

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
N/A

DATES OF SURVEY:
22-23 MARCH & 8 APRIL 2021

REQ NO./FILE NO.: 5038/AL



NSRS BENCHMARK
BENCHMARK: MORICHES (PID: AA9073)
ELEVATION: 4.86' NAVD88

LOCAL CONTROL DATA
BENCHMARK: MOR 1 A (PID: AI9628)
ELEVATION: 4.41' NAVD88

PROJECT SPECIFIC NOTES:

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- 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	JHS	
MP	JHS	

DATES OF SURVEY: 22-23 MARCH;4-9 APRIL 2021

REQ NO./FILE NO.: 5038/AL

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: N/A

APPROVED: J. BERTOLOTTI — CHIEF, DATA MANAGEMENT BRANCH

APPROVED: M. FORTE — CHIEF, ENGINEERING TECHNICIAN

APPROVED: P. BHADURI — CHIEF, HYDROGRAPHIC SURVEYS BRANCH

APPROVED: J. MEAZ — DEPUTY CHIEF OF SURVEYS

DATE: 12 APRIL 2021

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

LONG ISLAND INTRACOASTAL WATERWAY, N.Y.

VICINITY OF PATCHOGUE, N.Y.

CONDITION SURVEY

VH-106

SHEET 6 OF 6
(FORMERLY SHEET 32)