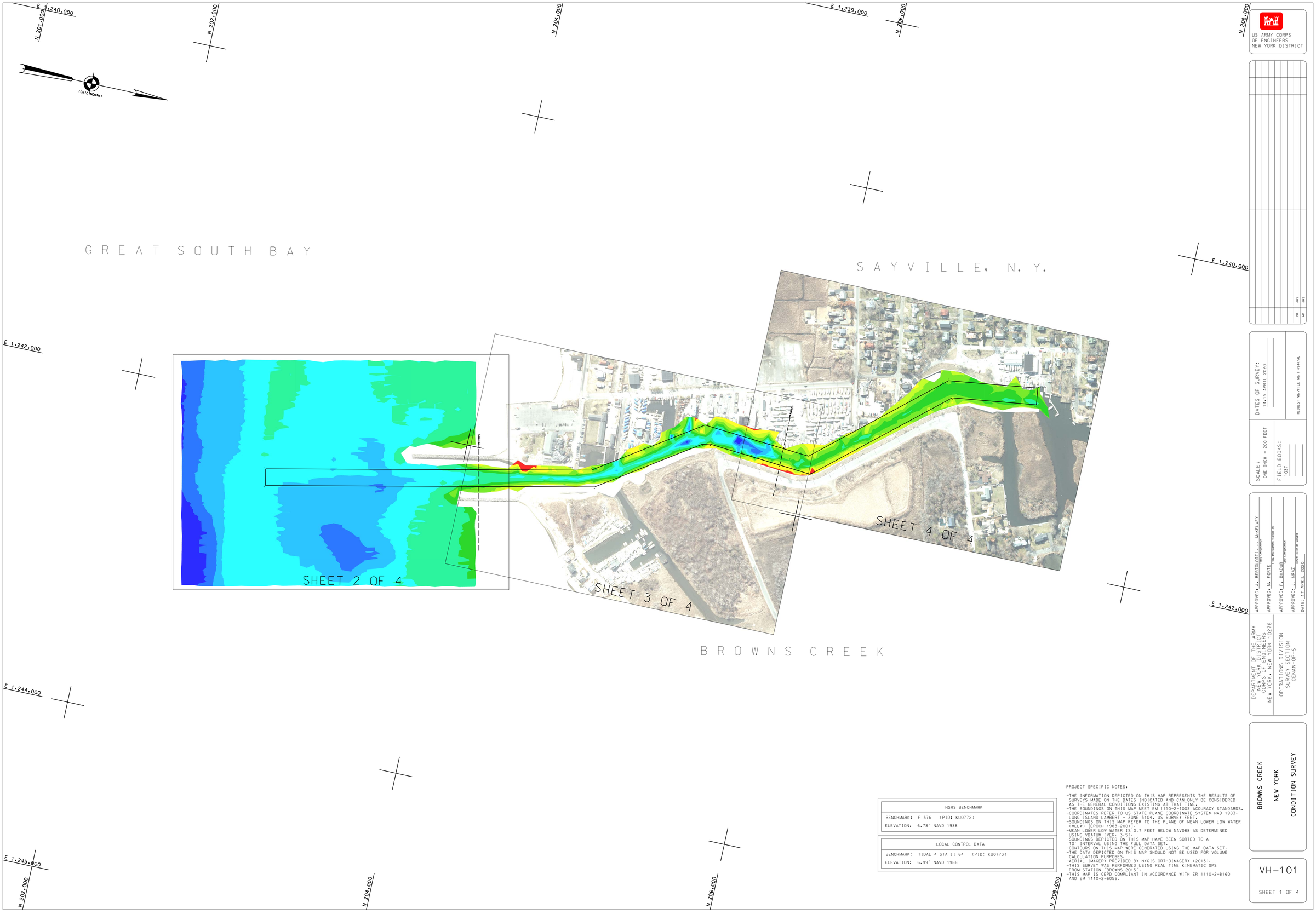


US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PM	JHS	
MP	JHS	

DATES OF SURVEY:
14,15 APRIL 2020

REQUEST NO./FILE NO.: 4944/AL

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
1037

APPROVED: J. BERTOLOTTI / J. MAKELVEY
CIVIL ENGINEERING TECHNICIAN

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADURI
CHIEF CARTOGRAPHY

APPROVED: J. MRAZ
BRANCH CHIEF OF MARINE

DATE: 17 APRIL 2020

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NSRS BENCHMARK
BENCHMARK: F 376 (PID: KU0772)
ELEVATION: 6.78' NAVD 1988

LOCAL CONTROL DATA
BENCHMARK: TIDAL 4 STA II 64 (PID: KU0773)
ELEVATION: 6.99' NAVD 1988

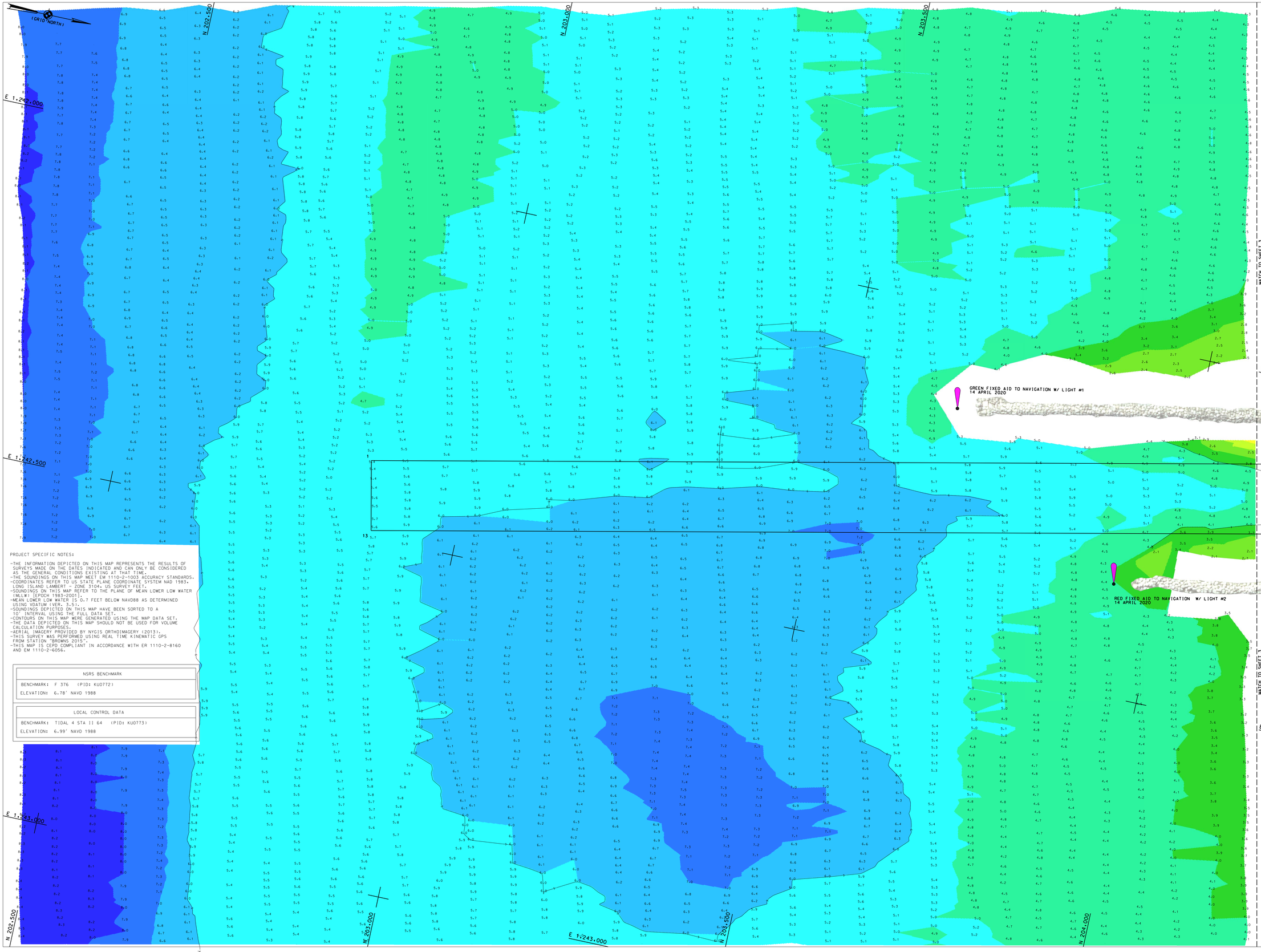
PROJECT SPECIFIC NOTES:

-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 SOUNDINGS ON THIS MAP MEET EM 1110-2-1003 ACCURACY STANDARDS.
-COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983, LONG ISLAND LAMBERT - ZONE 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 0.7 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 3.5).
-SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN SORTED TO A 10' 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 NYGIS ORTHOIMAGERY (2013).
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "BROWNS 2015".
-THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

BROWNS CREEK
NEW YORK
CONDITION SURVEY

VH-101

SHEET 1 OF 4



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, LONG ISLAND LAMBERT - ZONE 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 0.7 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 3.5).
- SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN SORTED TO A 10' INTERVAL USING THE FLDATA 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 NYGIS ORTHOIMAGERY (2013).
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "BROWNS 2015".
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

NSRS BENCHMARK
BENCHMARK: F 376 (PID: KU0772)
ELEVATION: 6.78' NAVD 1988

LOCAL CONTROL DATA
BENCHMARK: TIDAL 4 STA II 64 (PID: KU0773)
ELEVATION: 6.99' NAVD 1988

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	JMS		
MP	JMS		

DATES OF SURVEY:
14-15 APRIL 2020

REQUEST NO./FILE NO.: 4944/AL

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
1557

APPROVED: J. BERTOLOTTI / J. MAKELVEY
CHIEF, ENGINEERING DIVISION
CHIEF, ENGINEERING TECHNICIAN

APPROVED: M. FORTE
CHIEF, PROJECT MANAGEMENT

APPROVED: P. BRADER
CHIEF, CONSTRUCTION MANAGEMENT

APPROVED: J. MRAZ
CHIEF, CHIEF OF SURVEYS

DATE: 17 APRIL 2020

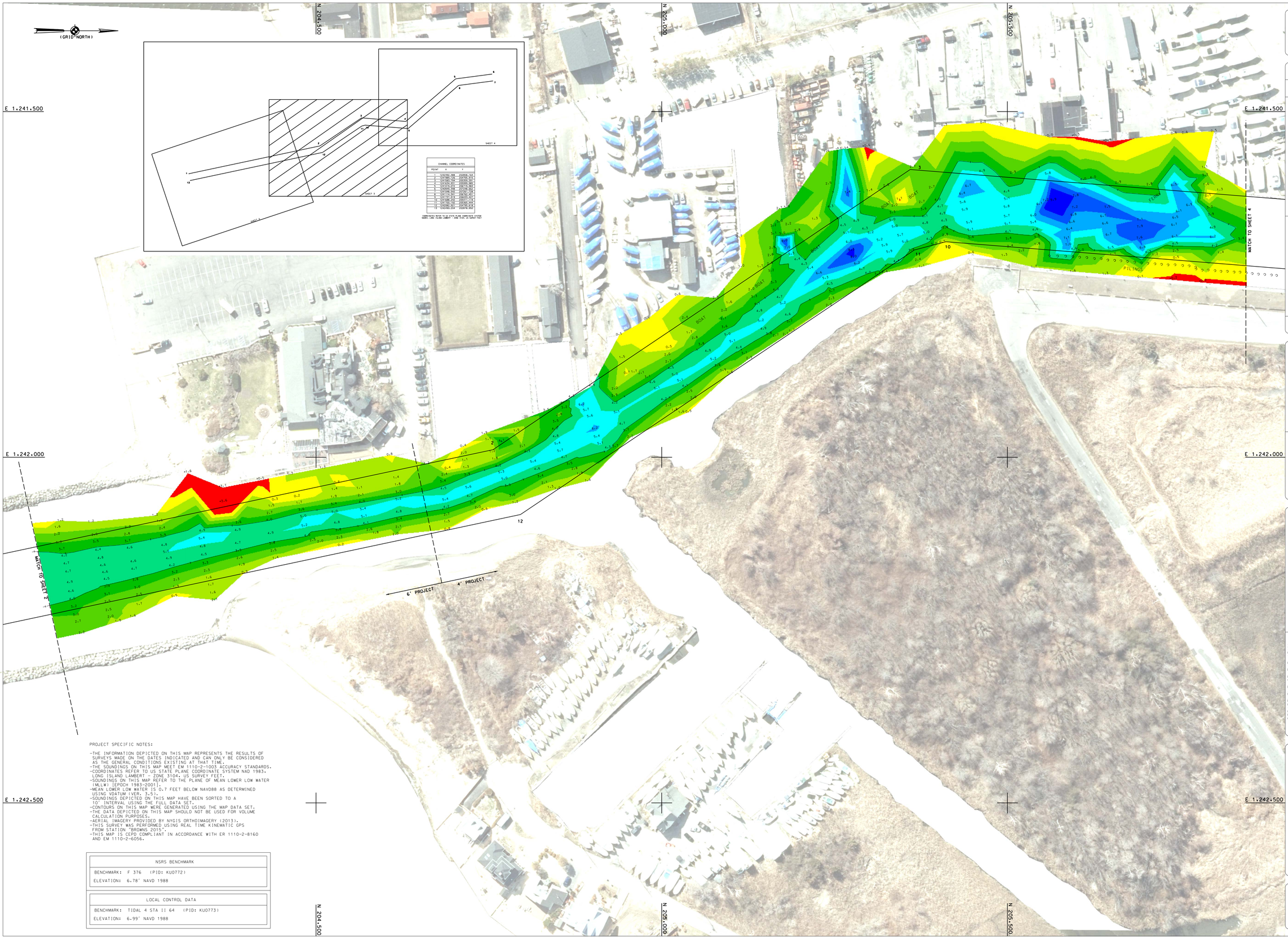
DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

BROWNS CREEK
NEW YORK
CONDITION SURVEY

VH-102

SHEET 2 OF 4



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. LONG ISLAND LAMBERT - ZONE 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 0.7 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 3.5).
- SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN SORTED TO A 10' 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 NYGIS ORTHOIMAGERY (2013).
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "BROWNS 2015".
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

NSRS BENCHMARK
BENCHMARK: F 376 (PID: KU0772)
ELEVATION: 6.78' NAVD 1988

LOCAL CONTROL DATA
BENCHMARK: TIDAL 4 STA II 64 (PID: KU0773)
ELEVATION: 6.99' NAVD 1988

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

		PR	JHS
		WP	JHS

DATES OF SURVEY: 14-15 APRIL 2020

REQUEST NO./FILE NO.: 4944/AL

SCALE: ONE INCH = 50 FEET

FIELD BOOKS: 1537

APPROVED: J. BERTOLOTTI/J. MUSELIET
CHIEF, HYDROGRAPHIC SURVEY SECTION

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADURI
CHIEF, CARTOGRAPHY

APPROVED: J. MRAZ
DEPUTY CHIEF OF MAPS

DATE: 17 APRIL 2020

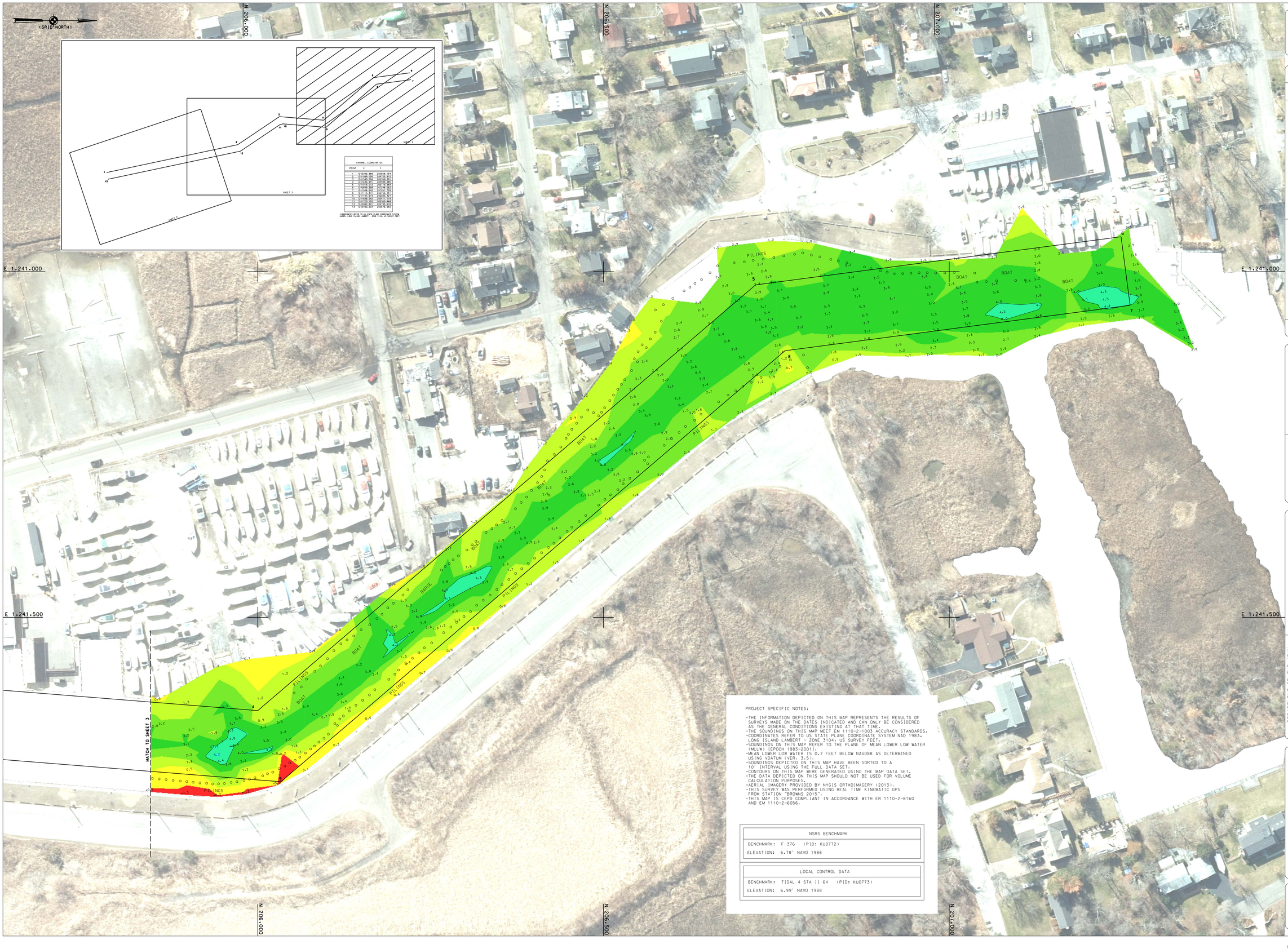
DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

BROWNS CREEK
NEW YORK
CONDITION SURVEY

VH-103

SHEET 3 OF 4



CHANNEL COORDINATES		
POINT	X	Y
1	1241792.788	202824.184
2	1241792.788	202824.184
3	1241634.151	202924.315
4	1241634.151	202924.315
5	1241634.151	202924.315
6	1241634.151	202924.315
7	1241634.151	202924.315
8	1241634.151	202924.315
9	1241634.151	202924.315
10	1241634.151	202924.315
11	1241634.151	202924.315
12	1241634.151	202924.315
13	1241792.788	202824.184

COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD83 LONG ISLAND LAMBERT - ZONE 3104, US SURVEY FEET

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, LONG ISLAND LAMBERT - ZONE 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 0.7 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 3.5).
- SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN SORTED TO A 10' 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 NYGIS ORTHOIMAGERY (2013).
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "BROWNS 2015".
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

NSRS BENCHMARK
BENCHMARK: F 376 (PID: KU0772)
ELEVATION: 6.78' NAVD 1988

LOCAL CONTROL DATA
BENCHMARK: TIDAL 4 STA II 64 (PID: KU0773)
ELEVATION: 6.99' NAVD 1988

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

PR	JHS	
MP	JHS	

DATES OF SURVEY: 14-15 APRIL 2020

REQUEST NO./FILE NO.: 4944/AL

SCALE: ONE INCH = 50 FEET

FIELD BOOKS: 1097

APPROVED: J.L. BERTOLOTTI/J. MACKEVEY — CHIEF SURVEYOR

APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BRADDUR — CHIEF, SURVEYS & MAPPING BRANCH

APPROVED: J.L. MRAZ — BRANCH CHIEF OF SURVEYS

DATE: 17 APRIL 2020

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

OPERATIONS DIVISION
SURVEYS SECTION
CENAN-OP-S

BROWNS CREEK
NEW YORK
CONDITION SURVEY

VH-104

SHEET 4 OF 4