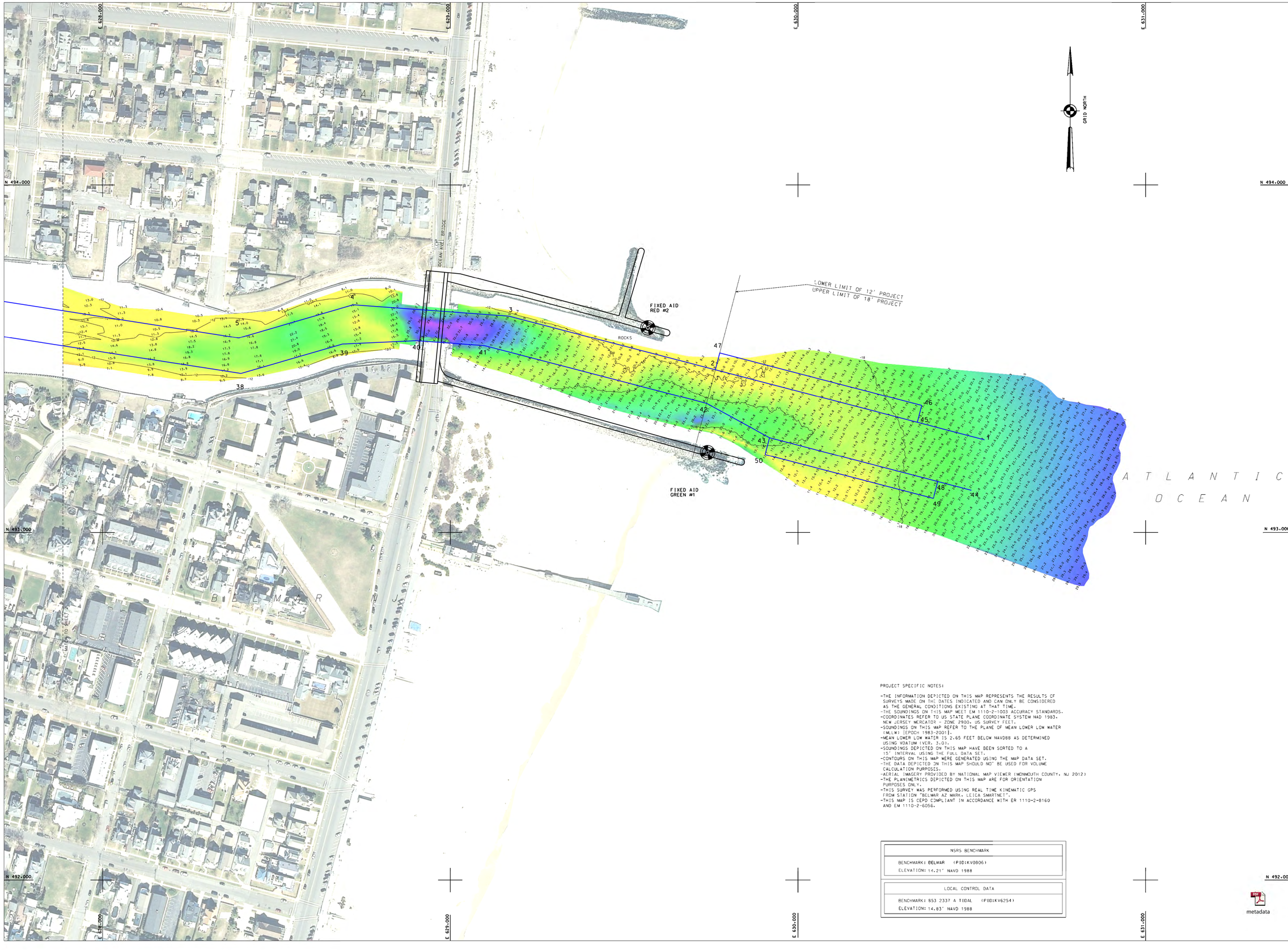
CORPS OF ENGINEERS

U. S. ARMY




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, NEW JERSEY MERCATOR - ZONE 2900, 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 2.65 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 3.0).
-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 NATIONAL MAP VIEWER (MONMOUTH COUNTY, NJ 2012)
-THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "BELMAR AZ MARK, LEICA SMARTNET".
-THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

| NSRS BENCHMARK |
|---|
| BENCHMARK: BELMAR (PID:KV0806) |
| ELEVATION: 14.21' NAVD 1988 |

| LOCAL CONTROL DATA |
|---|
| BENCHMARK: 853 2337 A TIDAL (PID:KV6254) |
| ELEVATION: 14.83' NAVD 1988 |

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

PDC PR
PDC MP

DATES OF SURVEY: 21-23 MARCH 2016

FILE NO.: 135
REQUEST NO.: 4456N3

SCALE: ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: M. APPELD
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LEAD CARTOGRAPHER

APPROVED: J. MRAZ
SURVEY CHIEF OF SURVEY

DATE: 29 MARCH 2016

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

SHARK RIVER
NEW JERSEY
CONDITION SURVEY

metadata

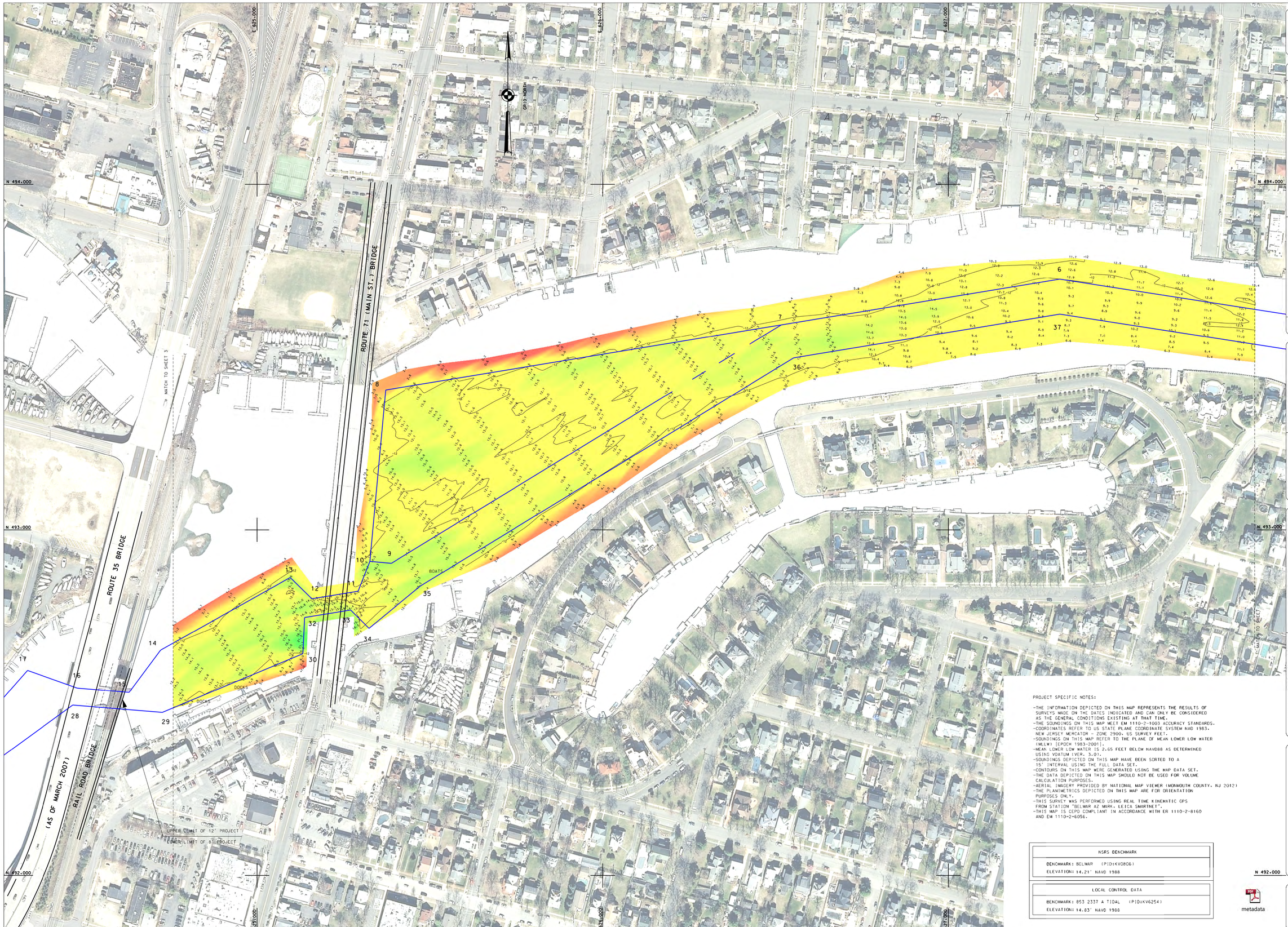
VH-101

SHEET 1 OF 3

135
4456N3

CORPS OF ENGINEERS

U. S. ARMY




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, NEW JERSEY MERCATOR - ZONE 2900, 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 2.65 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 3.0).
- 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 NATIONAL MAP VIEWER (MONMOUTH COUNTY, NJ 2012)
- THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "BELMAR AZ MARK, LEICA SMARTNET".
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

| NSRS BENCHMARK |
|---|
| BENCHMARK: BELMAR (PID:KV0806) |
| ELEVATION: 14.21' NAVD 1988 |

| LOCAL CONTROL DATA |
|---|
| BENCHMARK: 853 2337 A TIDAL (PID:KV6254) |
| ELEVATION: 14.83' NAVD 1988 |

metadata

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

| | | |
|---|---|---|
| PDC | PR | |
| PDC | MP | |

DATES OF SURVEY: 21-23 MARCH 2016

FILE NO.: 135
REQUEST NO.: 4456N3

SCALE: ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: M. APPELD
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LAND CARTOGRAPHER

APPROVED: J. MRAZ
DEPUTY CHIEF OF SURVEY

DATE: 29 MARCH 2016

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

SHARK RIVER
NEW JERSEY
CONDITION SURVEY

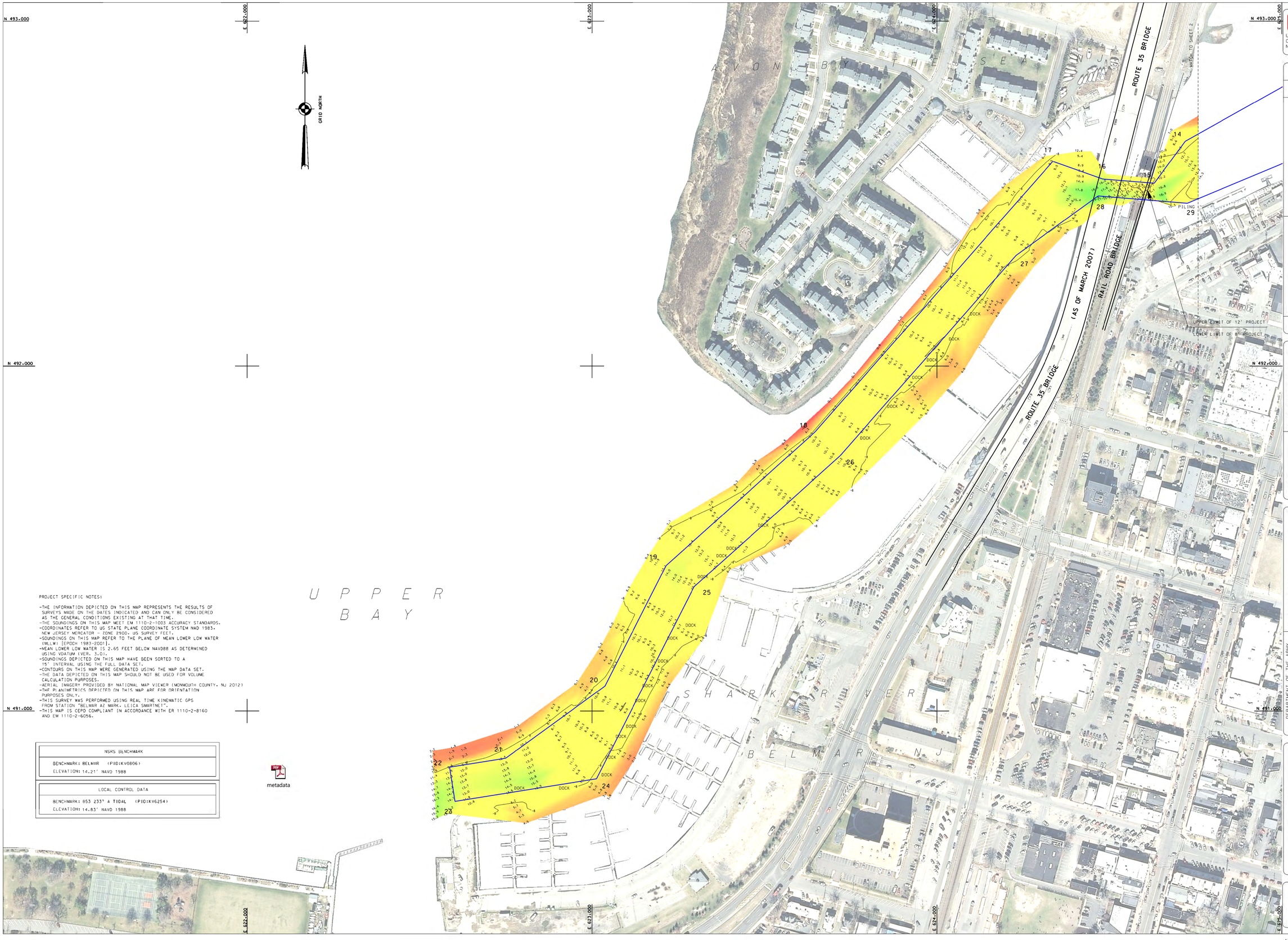
VH-102

SHEET 2 OF 3

135
4456N3

CORPS OF ENGINEERS

U. S. ARMY




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, NEW JERSEY MERCATOR - ZONE 2900, 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 2.65 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 3.0).
- 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 NATIONAL MAP VIEWER (MONMOUTH COUNTY, NJ 2012)
- THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "BELMAR AZ MARK, LEICA SMARTNET".
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

| NSRS BENCHMARK |
|---|
| BENCHMARK: BELMAR (PID:KV0806) |
| ELEVATION: 14.21' NAVD 1988 |

| LOCAL CONTROL DATA |
|---|
| BENCHMARK: 853 233' A TIDAL (PID:KV6254) |
| ELEVATION: 14.83' NAVD 1988 |

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PDC PR
PDC MP

DATES OF SURVEY: 21-23 MARCH 2016

FILE NO.: 135
REQUEST NO.: 4456N3

SCALE: ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: M. APPELD
CHIEF, CARTOGRAPHER

APPROVED: M. FORTE
CHIEF, ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LEAD CARTOGRAPHER

APPROVED: J. MRAZ
DEPUTY CHIEF OF SURVEY

DATE: 29 MARCH 2016

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

SHARK RIVER
NEW JERSEY
CONDITION SURVEY

VH-103

SHEET 3 OF 3

135
4456N3