

DOUBLE CLICK ICON EDGE  
TO VIEW PROJECT METADATA

FILE NO.: 1392  
REQUEST NO.: 4567 D/N2/N1

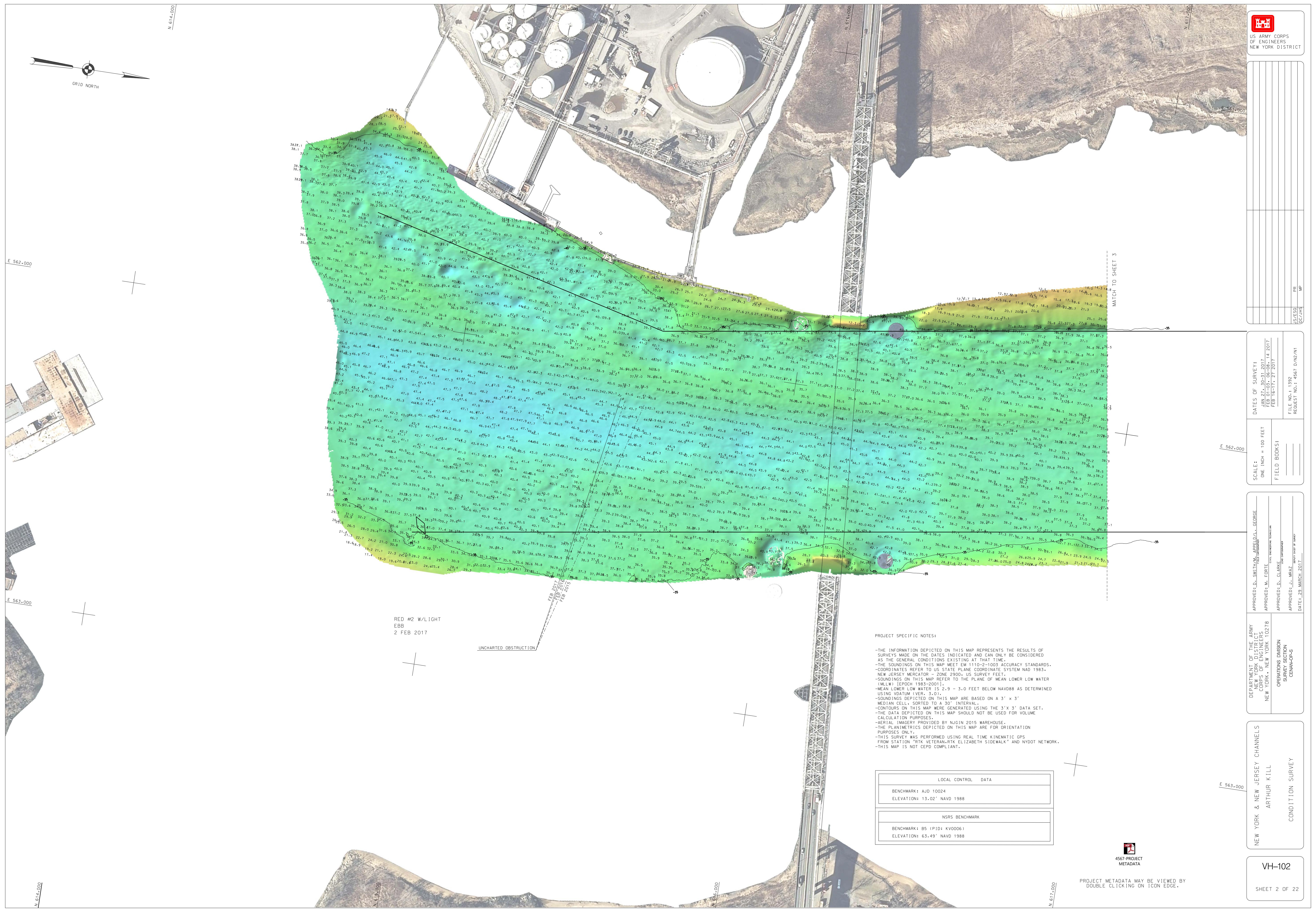
VH-101

SHEET 1 OF 22

|                          |   |
|--------------------------|---|
| DEPARTMENT OF THE ARMY   | APPROVED: D. SMITH / L. GEORGE / M. APPEL |
| CORPS OF ENGINEERS       | APPROVED: M. FORTE                        |
| NEW YORK, NEW YORK 10278 | APPROVED: D. CLARK                        |
| OPERATIONS DIVISION      | APPROVED: J. MEZ                          |
| SURVEY SECTION           | APPROVED: J. MEZ                          |
| CENAN-OPS                | DATE: 23 MARCH 2017                       |

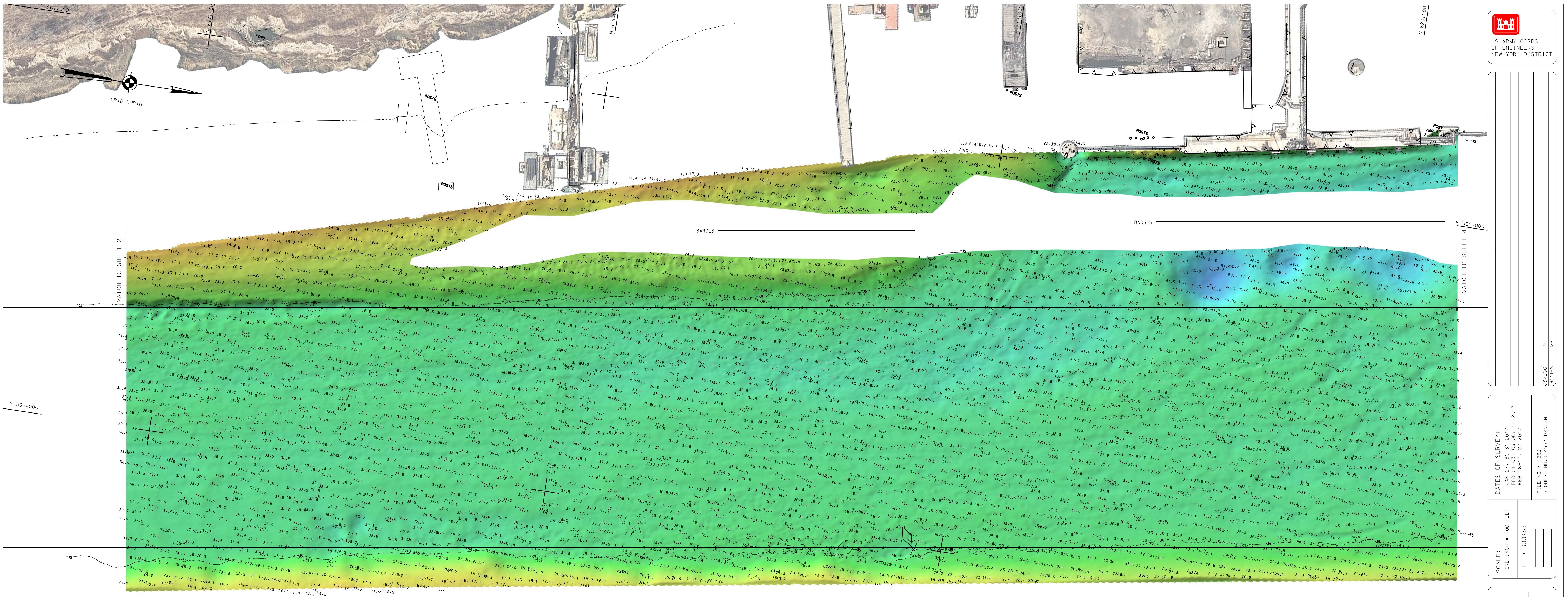
|                                |   |
|--------------------------------|---|
| SCALE:<br>ONE INCH = 1000 FEET | DATES OF SURVEY:<br>JAN 27-30, 31-2017<br>FEB 16-17, 2017 |
| FIELD BOOKS:                   |   |
|                                | FILE NO.: 1392-4567/D/N2/N1                               |
|                                | REQUEST NO.: 4567/D/N2/N1                                 |

|        |    |
|--------|----|
| ESQ/JS | PR |
| DC/LHS | MP |



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 2.9 - 3.0 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 3.0).
- SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO A 30' INTERVAL.
- CONTOURS ON THIS MAP WERE GENERATED USING THE 3'x 3' DATA SET.
- THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- AERIAL IMAGERY PROVIDED BY NJGIN 2015 WAREHOUSE.
- THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "RTK VETERAN, RTK ELIZABETH SIDEWALK" AND NYDOT NETWORK.
- THIS MAP IS NOT CEPD COMPLIANT.



US ARMY CORPS  
OF ENGINEERS  
NEW YORK DISTRICT

DATES OF SURVEY:  
JAN 22-23-24 2017  
FEB 16-17-18 2017  
FILE NO.: 1392-4567-D/NZ/N1  
REQUEST NO.: 1392-4567-D/NZ/N1

SCALE:  
ONE INCH = 100 FEET  
FIELD BOOKS:  
FILE NO.: 1392-4567-D/NZ/N1  
REQUEST NO.: 1392-4567-D/NZ/N1

DEPARTMENT OF THE ARMY  
APPROVED: D. SMITH, GEORGE M. APPLIED  
APPROVED: M. FORTE  
SOUNDING CHECKER  
OPERATIONS DIVISION  
SURVEY SECTION  
CENAN-OPS

NEW YORK & NEW JERSEY CHANNELS  
ARTHUR KILL  
CONDITIONS SURVEY

APPROVED: F. POGGIO  
APPROVED: D. CLARKE  
DATE: 29 MARCH 2017

APPROVED: D. SMITH, GEORGE M. APPLIED  
APPROVED: M. FORTE  
SOUNDING CHECKER  
OPERATIONS DIVISION  
SURVEY SECTION  
CENAN-OPS

VH-103  
SHEET 3 OF 22

FILE NO.: 1392  
REQUEST NO.: 1392-4567-D/NZ/N1

## 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 the NAD 1983 accuracy standards. Coordinates refer to US StatePlane 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).

Areal low water level is 2.9 - 3.0 feet below NAVD88 as determined using Vessel Log.

Soundings depicted on this map are based on a 3' x 3'

Median Cell, sorted to a 30' interval.

Contours on this map were generated using the 3' x 3' data set.

The soundings on this map should not be used for volume calculation purposes.

Aerial imagery provided by Ngin 2015 Warehouse.

The planimetrics depicted on this map are for orientation purposes only.

This map was performed using real time kinematic GPS from station "RTK VETERAN RTK ELIZABETH SIDEWALK" and NYODT network.

This map is not CEDP compliant.

| LOCAL CONTROL DATA       |                             |
|--------------------------|-----------------------------|
| BENCHMARK: D 37 (KV0199) | ELEVATION: 39.21' NAVD 1988 |
| NRS BENCHMARK            |                             |

| NSRS BENCHMARK           |                             |
|--------------------------|-----------------------------|
| BENCHMARK: J 37 (KV0210) | ELEVATION: 11.77' NAVD 1988 |

450-PROJECT  
METADATA

DOUBLE CLICK ICON EDGE  
TO VIEW PROJECT METADATA

E 563,000

E 562,000

E 561,000

E 560,000

E 559,000

E 558,000

E 557,000

E 556,000

E 555,000

E 554,000

E 553,000

E 552,000

E 551,000

E 550,000

E 549,000

E 548,000

E 547,000

E 546,000

E 545,000

E 544,000

E 543,000

E 542,000

E 541,000

E 540,000

E 539,000

E 538,000

E 537,000

E 536,000

E 535,000

E 534,000

E 533,000

E 532,000

E 531,000

E 530,000

E 529,000

E 528,000

E 527,000

E 526,000

E 525,000

E 524,000

E 523,000

E 522,000

E 521,000

E 520,000

E 519,000

E 518,000

E 517,000

E 516,000

E 515,000

E 514,000

E 513,000

E 512,000

E 511,000

E 510,000

E 509,000

E 508,000

E 507,000

E 506,000

E 505,000

E 504,000

E 503,000

E 502,000

E 501,000

E 500,000

E 499,000

E 498,000

E 497,000

E 496,000

E 495,000

E 494,000

E 493,000

E 492,000

E 491,000

E 490,000

E 489,000

E 488,000

E 487,000

E 486,000

E 485,000

E 484,000

E 483,000

E 482,000

E 481,000

E 480,000

E 479,000

E 478,000

E 477,000

E 476,000

E 475,000

E 474,000

E 473,000

E 472,000

E 471,000

E 470,000

E 469,000

E 468,000

E 467,000

E 466,000

E 465,000

E 464,000

E 463,000

E 462,000

E 461,000

E 460,000

E 459,000

E 458,000

E 457,000

E 456,000

E 455,000

E 454,000

E 453,000

E 452,000

E 451,000

E 450,000

E 449,000

E 448,000

E 447,000

E 446,000

E 445,000

E 444,000

E 443,000

E 442,000

E 441,000

E 440,000

E 439,000

E 438,000

E 437,000

E 436,000

E 435,000

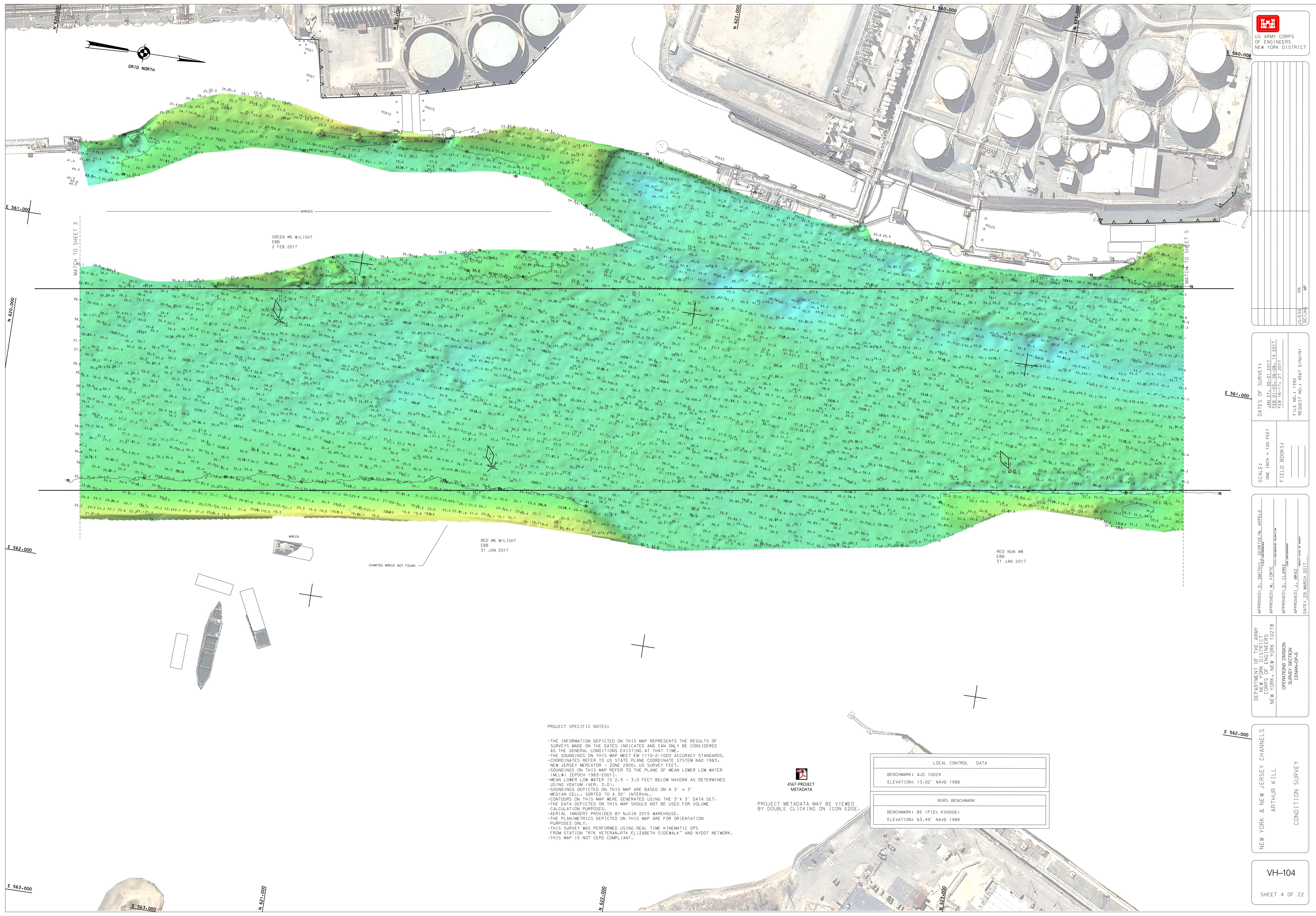
E 434,000

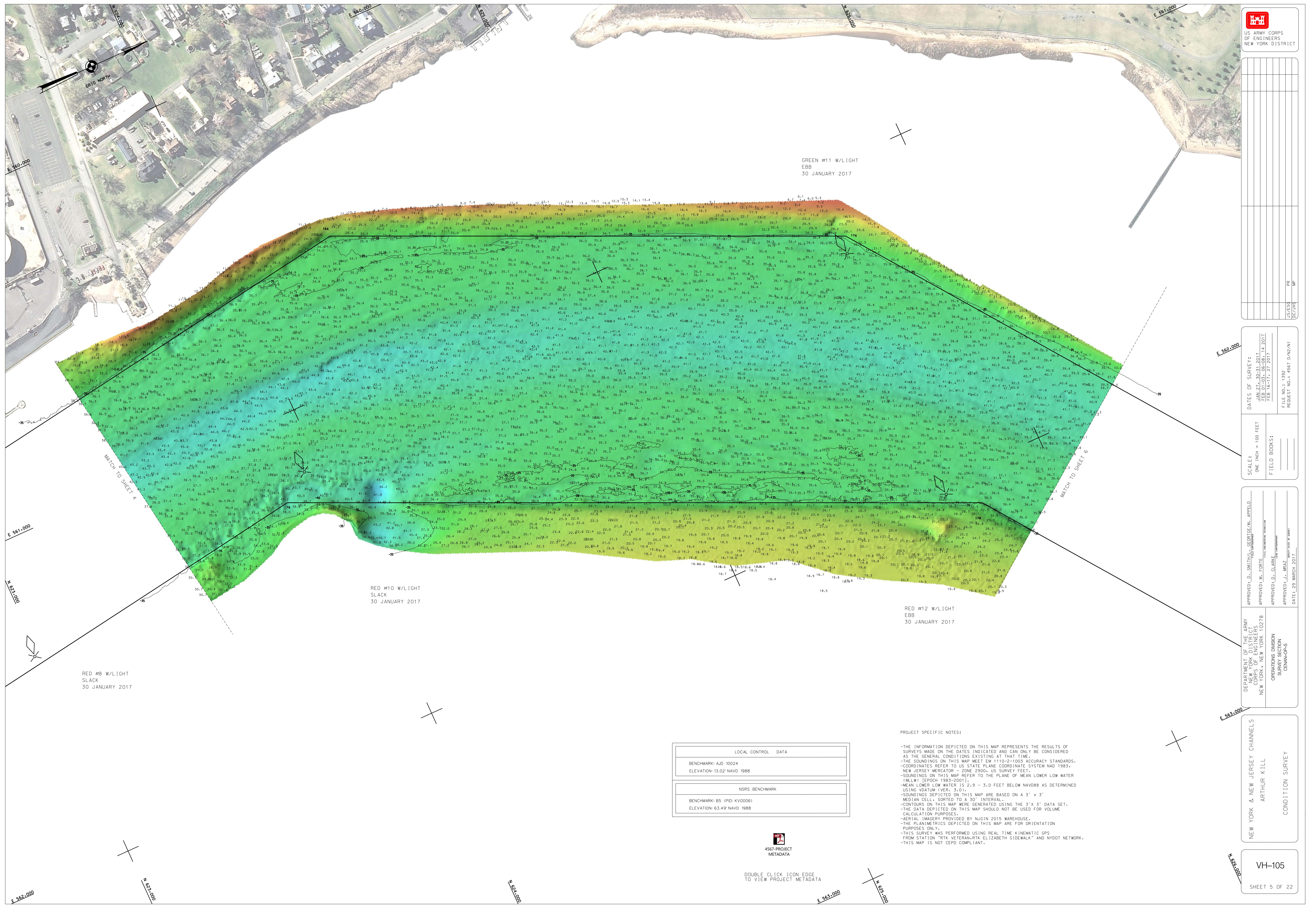
E 433,000

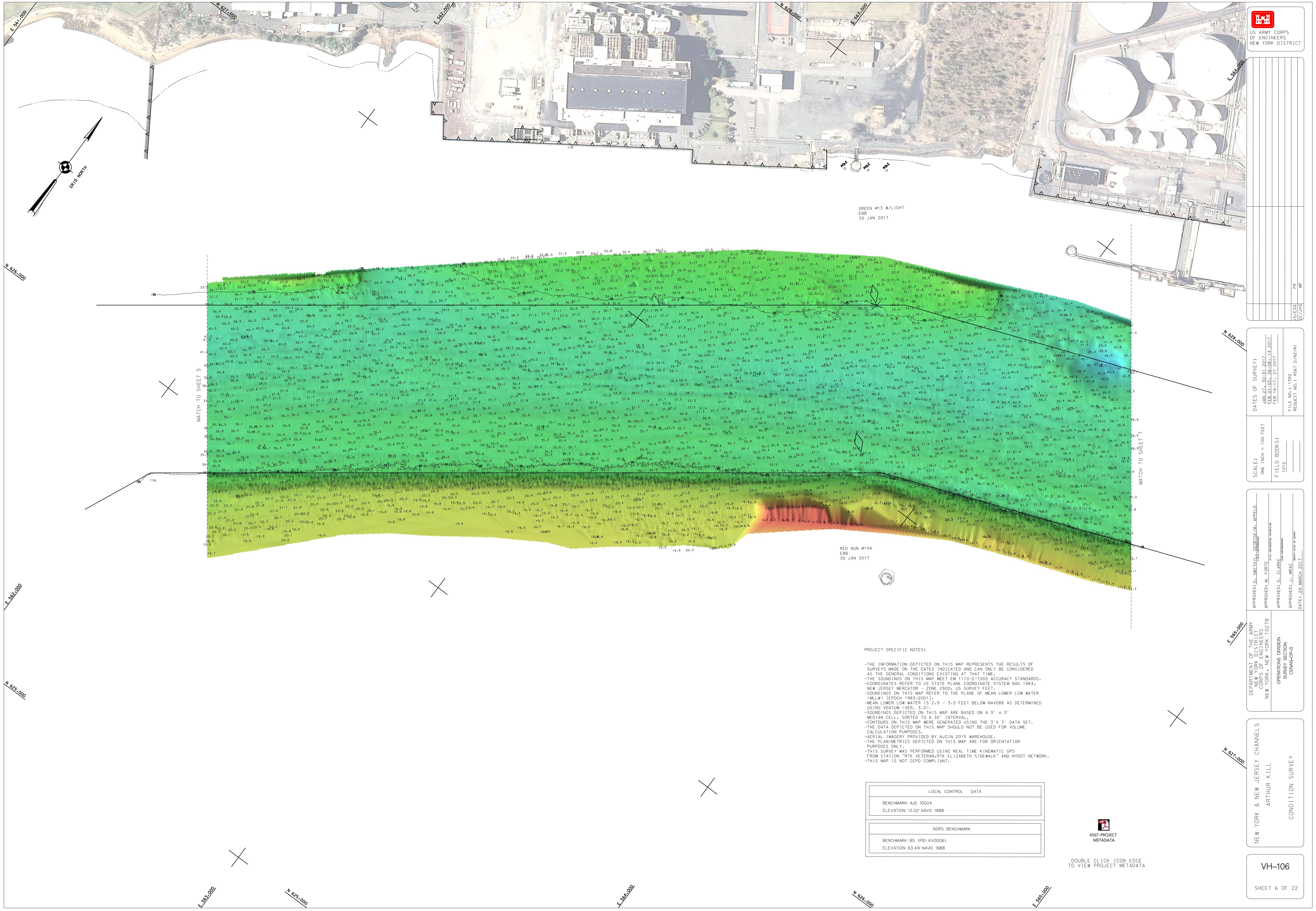
E 432,000

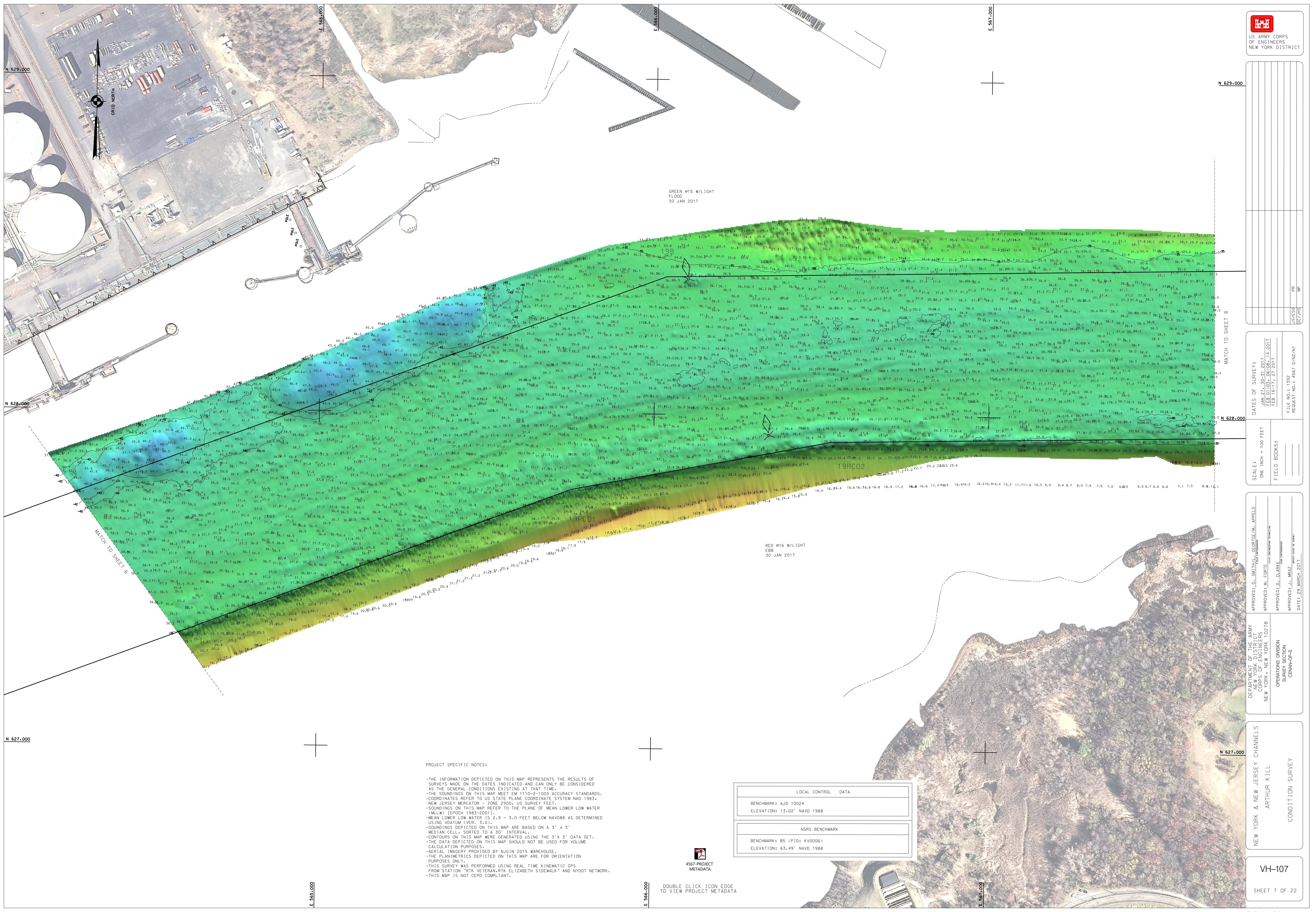
E 431,000


E 430,000











1392  
0.: 4567 D/N2/N1

---

