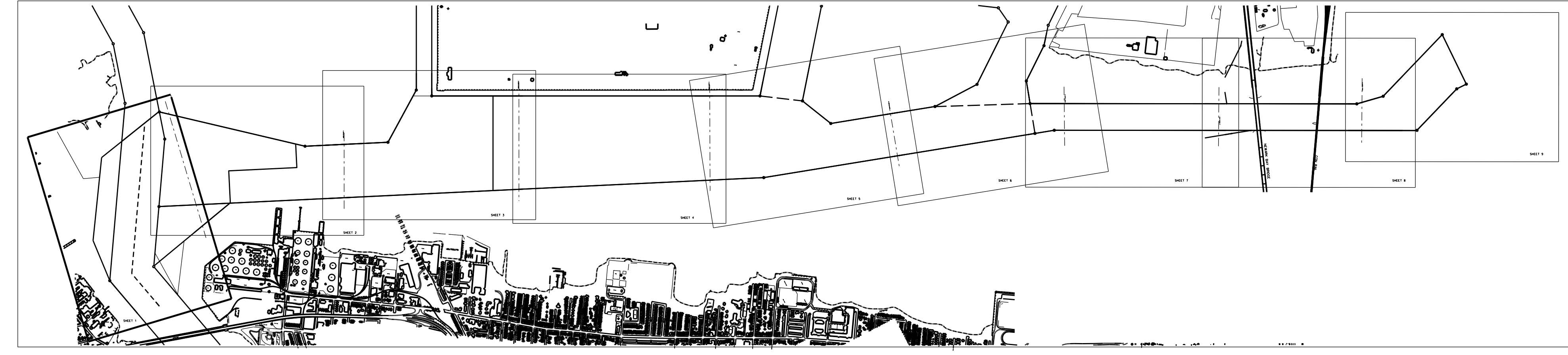


Table with 4 columns: ELEVATION, DATE, NAME, and COMMENTS. Contains survey data points.

Table with 2 columns: SCALE and FIELD BOOKS. Contains scale information and field book references.

Table with 2 columns: APPROVED and DATE. Contains approval signatures and dates.



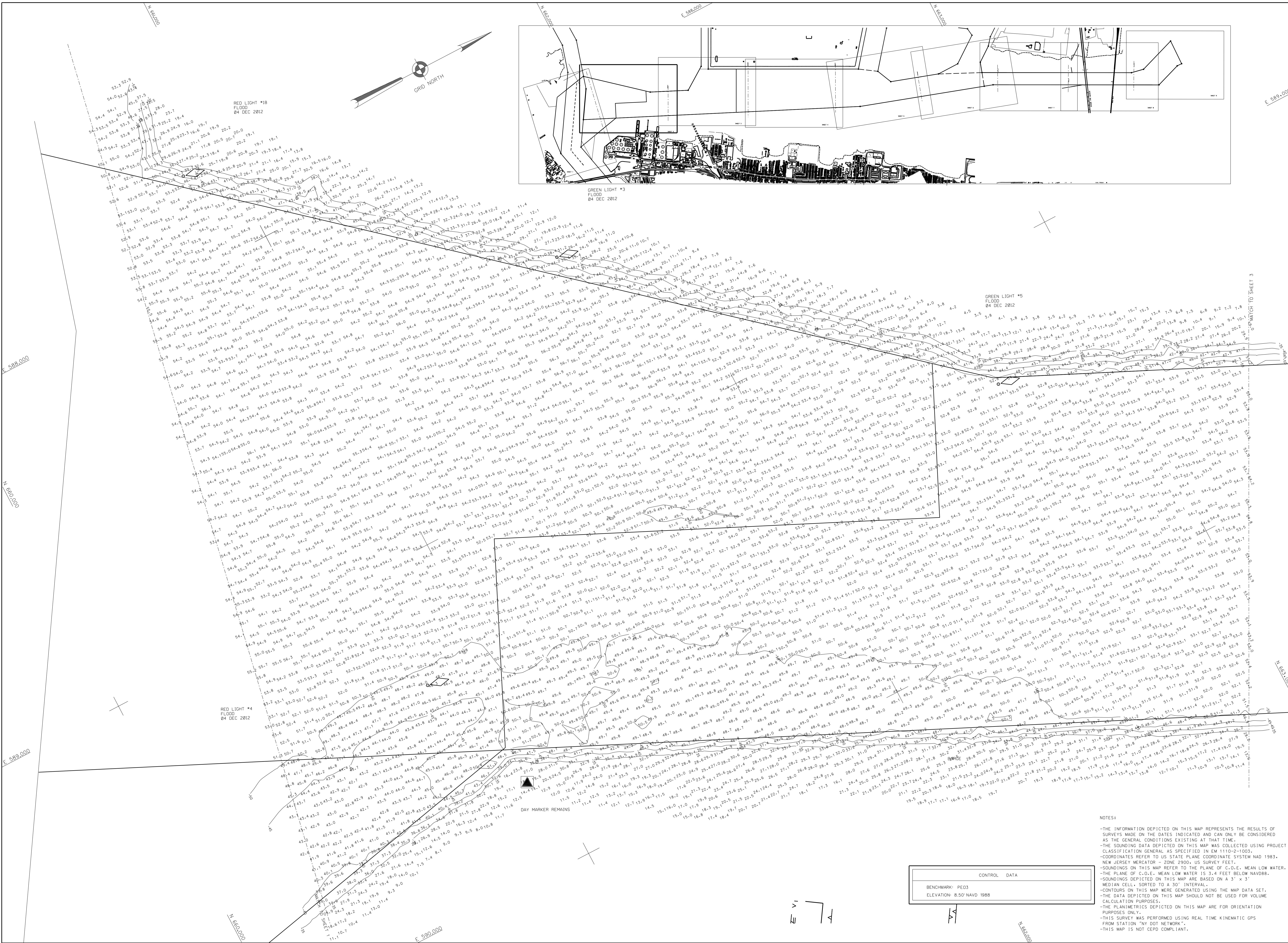
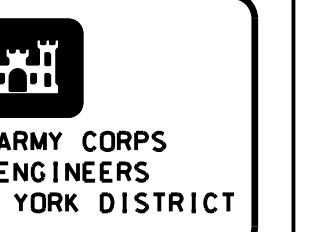
CONTROL DATA table with 2 columns: BENCHMARK and ELEVATION. Lists benchmark details.

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.

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

OPERATIONS DIVISION
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

VH-101
SHEET 1 OF 9



ESD	
BR	
BPH	
MP	

DATES OF SURVEY:	
FIELD BOOKS:	

SCALE:	ONE INCH = 100 FEET
FIELD BOOKS:	

APPROVED:	D. SMITH, ARPEL
APPROVED:	M. ERIE
APPROVED:	D. DORR
APPROVED:	J. WRAZ

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

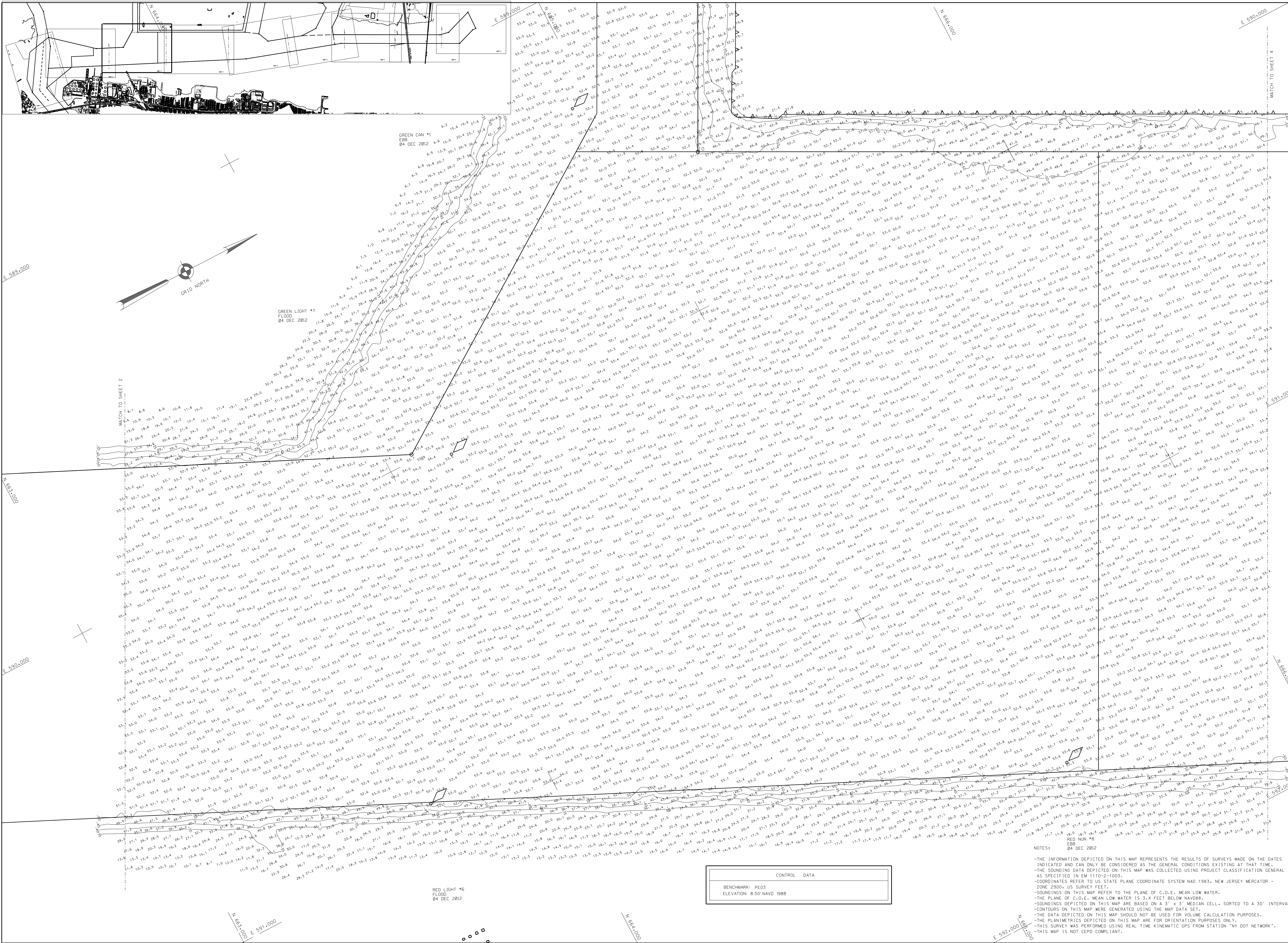
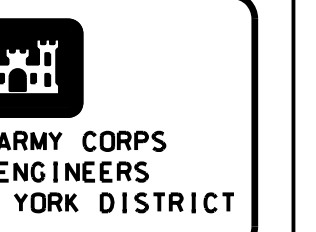
OPERATIONS DIVISION
NEW JERSEY
NEWARK BAY MAIN CHANNEL
CONDITION SURVEY

NEWARK BAY HICKENBACK & PASSAIC RIVERS
NEW JERSEY
NEWARK BAY MAIN CHANNEL
CONDITION SURVEY

VH-102
SHEET 2 OF 9

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 SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION GENERAL, AS SPECIFIED IN EM 11102-1003.
-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 C.O.E. MEAN LOW WATER. THE PLANE OF C.O.E. MEAN LOW WATER IS 3.4 FEET BELOW NAVD83.
-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 MAP DATA SET.
-THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
-THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "WY DOT NETWORK".
-THIS MAP IS NOT CEPD COMPLIANT.

CONTROL DATA
BENCHMARK: PE03
ELEVATION: 8.50 NAVD 1988



ESI	IPR
BPH	MP

DATE OF SURVEY:
27-28-29 JANUARY 2014

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
APPROVED: D. SMITHAN, APPELL
APPROVED: M. ERIE
APPROVED: D. CLARKE
APPROVED: J. WRAZ

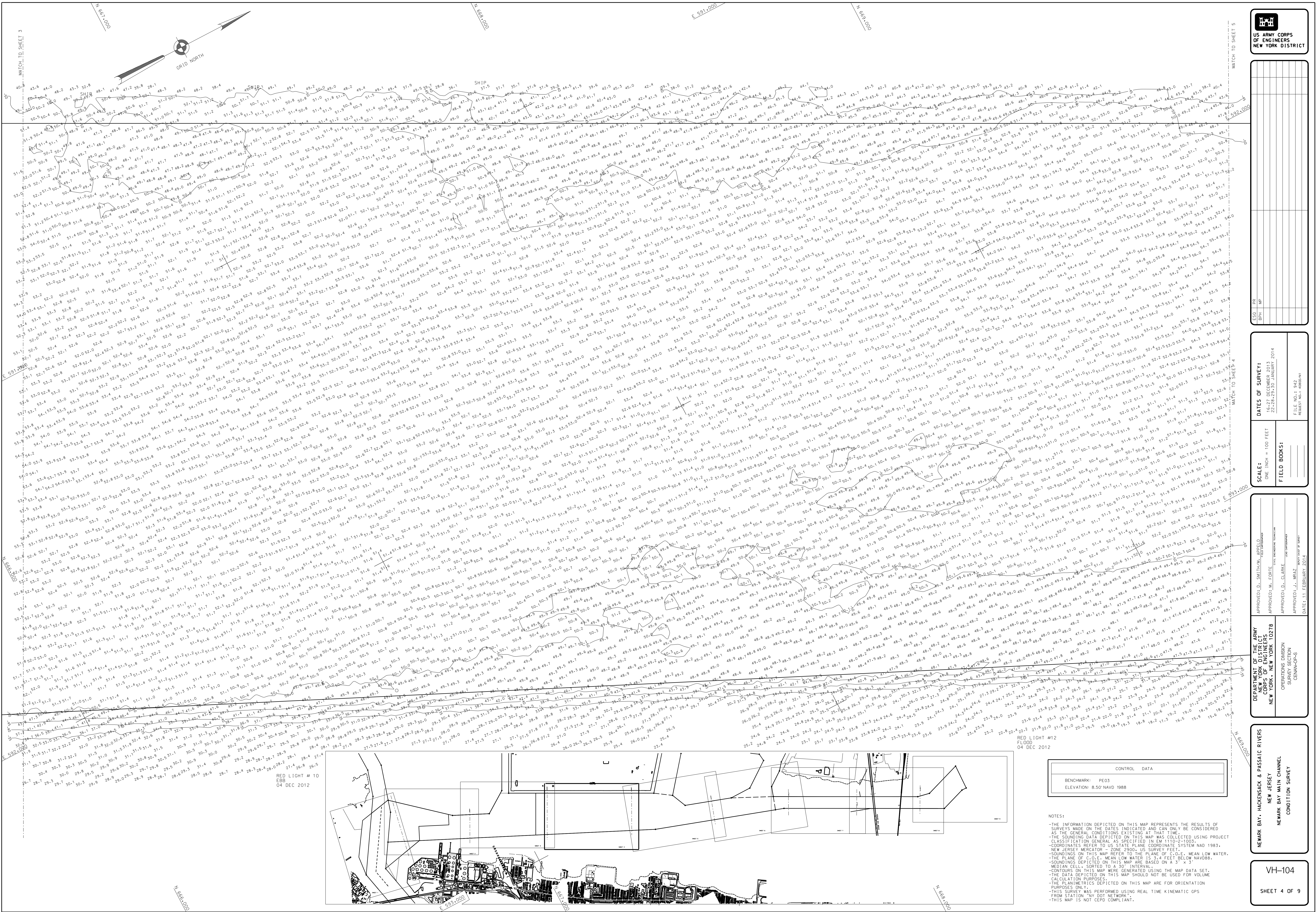
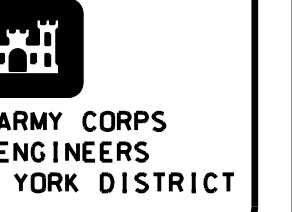
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
NEW YORK - NEW YORK 10278

OPERATIONS DIVISION
NEW JERSEY
NEWARK BAY MAIN CHANNEL
CONDITION SURVEY

VH-103
SHEET 3 OF 9

CONTROL DATA
BENCHMARK: PE03
ELEVATION: 8.50 NAVD 1988

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 SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION GENERAL AS SPECIFIED IN EM 1110-2-1003.
-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 C.D.E. MEAN LOW WATER.
-THE PLANE OF C.D.E. MEAN LOW WATER IS 3.4 FEET BELOW NAVD83.
-SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO A 30' INTERVAL.
-SOUNDINGS ON THIS MAP WERE GENERATED USING THE MAP DATA SET.
-THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
-THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "NY DOT NETWORK".
-THIS MAP IS NOT CEPD COMPLIANT.



FILE NO.	942
PROJECT NO.	10278
DATE	11 FEBRUARY 2012
SCALE	1" = 100 FEET
FIELD BOOKS	
DATES OF SURVEY	20-28 FEBRUARY 2014
APPROVED BY	[Signature]
DATE	11 FEBRUARY 2012

APPROVED BY	[Signature]
DATE	11 FEBRUARY 2012
APPROVED BY	[Signature]
DATE	11 FEBRUARY 2012
APPROVED BY	[Signature]
DATE	11 FEBRUARY 2012

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
NEW YORK - NEW YORK 10278

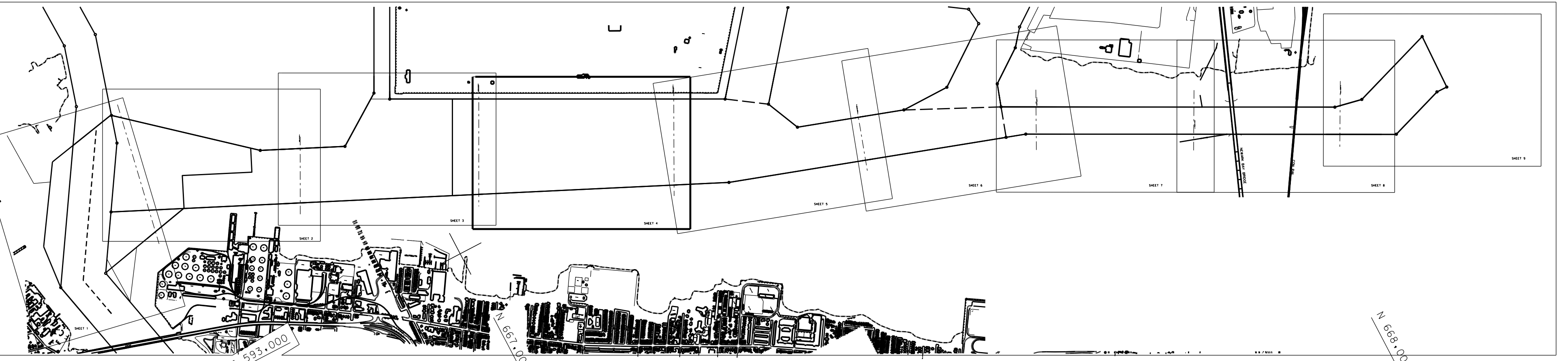
OPERATIONS DIVISION
NEWARK BAY MAIN CHANNEL
CONDITION SURVEY

APPROVED BY: [Signature]
DATE: 11 FEBRUARY 2012

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 SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION GENERAL AS SPECIFIED IN EM 1110-2-1003.
- COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983, NEW JERSEY MERCATOR - ZONE 2000, US SURVEY FEET.
- SOUNDINGS ON THIS MAP REFER TO THE PLANE OF C.O.D.E. MEAN LOW WATER.
- THE PLANE OF C.O.D.E. MEAN LOW WATER IS 3.4 FEET BELOW NAVD88.
- CONTOURS ON THIS MAP WERE GENERATED USING THE MAP DATA SET, MEDIAN CELL, SORTED TO A 30' INTERVAL.
- CONTOURS ON THIS MAP WERE GENERATED USING THE MAP DATA SET, CALCULATION PURPOSES.
- THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "NY DOT NETWORK".
- THIS MAP IS NOT CEPD COMPLIANT.

CONTROL DATA	
BENCHMARK:	PE03
ELEVATION:	6.50 NAVD 1988



RED LIGHT # 10
04 DEC 2012



DATE	18-27 FEBRUARY 2013
BY	22-29-20 JANUARY 2014
FILE NO.	142
PROJECT NO.	808001

DATE	18-27 FEBRUARY 2013
BY	22-29-20 JANUARY 2014
FILE NO.	142
PROJECT NO.	808001

DATE	18-27 FEBRUARY 2013
BY	22-29-20 JANUARY 2014
FILE NO.	142
PROJECT NO.	808001

DATE	18-27 FEBRUARY 2013
BY	22-29-20 JANUARY 2014
FILE NO.	142
PROJECT NO.	808001

DATE	18-27 FEBRUARY 2013
BY	22-29-20 JANUARY 2014
FILE NO.	142
PROJECT NO.	808001

VH-106

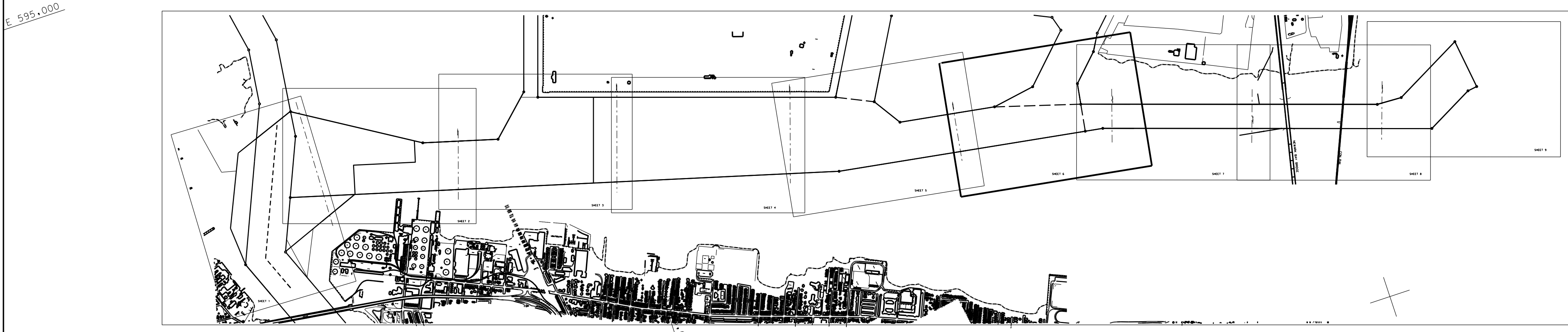
SHEET 6 OF 9

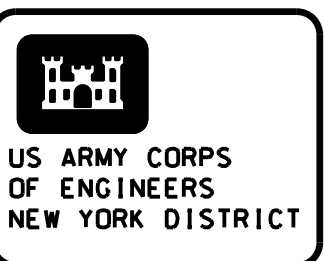


CONTROL DATA	
BENCHMARK:	PE03
ELEVATION:	8.50' NAVD 1988

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 SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION GENERAL AS SPECIFIED IN EM 1110-2-1003.
- 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 C.O.D.E. MEAN LOW WATER.
- THE PLANE OF C.O.D.E. MEAN LOW WATER IS 3.4 FEET BELOW NAVD88.
- SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIUM CELL, SORTED TO A 30' INTERVAL.
- 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.
- THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION NY DOT NETWORK.
- THIS MAP IS NOT CEPO COMPLIANT.





GREEN CAN # 21
FLOOD
27 DEC 2013

MATCH TO SHEET 6

MATCH TO SHEET 8

LESS	
BY	
DATE	
BY	
DATE	
BY	
DATE	
BY	
DATE	
BY	
DATE	
BY	
DATE	

DATES OF SURVEY:	
16-27 DECEMBER 2013	
22-26-29-30 JANUARY 2014	
FIELD BOOKS:	
FILE NO.: 942	
REBET NO.: 489001	

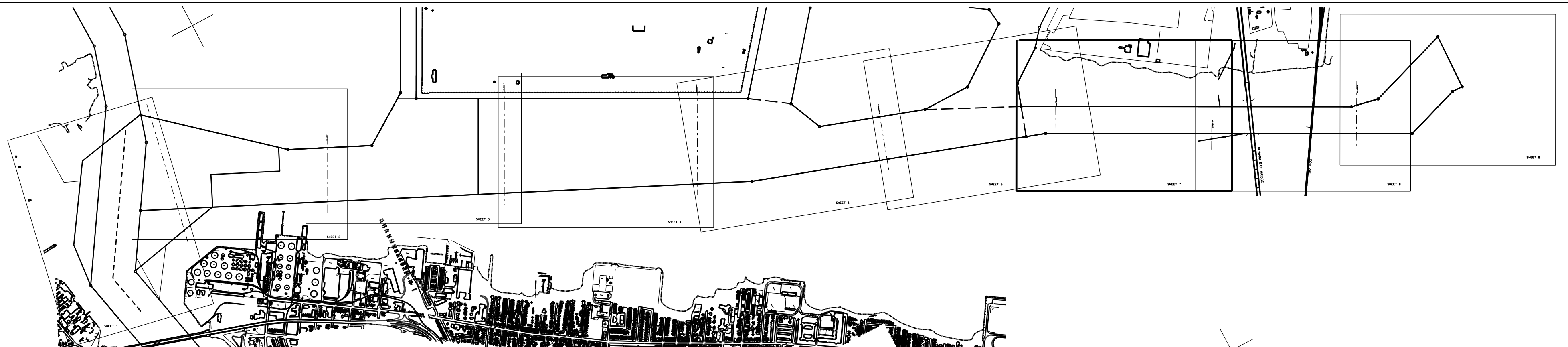
SCALE:	
ONE INCH = 100 FEET	

APPROVED:	
D. SMITH, ARTEL	
M. FERTE	
D. CLARKE	
J. WRAZ	
DATE: 11 FEBRUARY 2014	

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

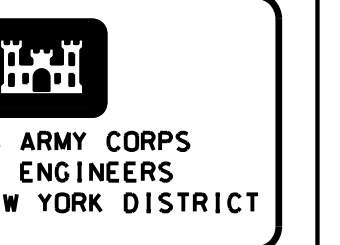
OPERATIONS DIVISION
SOUTH AN
CENAN-CPS

NEWARK BAY, HACKENSACK & PASSAIC RIVERS
NEW JERSEY
NEWARK BAY MAIN CHANNEL
CONDITION SURVEY



CONTROL DATA	
BENCHMARK:	PE03
ELEVATION:	8.50 NAVD 1988

- 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 SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION GENERAL AS SPECIFIED IN EM 1110-2-1003.
 - 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 C.O.E. MEAN LOW WATER.
 - THE PLANE OF C.O.E. MEAN LOW WATER IS 3.4 FEET BELOW NAVD83.
 - 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 MAP DATA SET.
 - THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
 - THE PLANNETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
 - THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "NY DOT NETWORK".
 - THIS MAP IS NOT CEPD COMPLIANT.



ESD	PR
BPH	MP

SCALE: ONE INCH = 100 FEET	DATES OF SURVEY: 22-28-29-30 JANUARY 2014
FIELD BOOKS:	FILE NO.: 1 942 PROJECT NO.: 60809/1

APPROVED: D. SMITHMAN, ARPELD	DATE: 11 FEBRUARY 2016
APPROVED: M. EDRIE	
APPROVED: D. CLARKE	
APPROVED: J. BRAZ	

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

OPERATIONS DIVISION
SOUTH ATLANTIC DISTRICT
CENAN-0305

NEW JERSEY
NEWARK BAY MAIN CHANNEL
CONDITION SURVEY

CONTROL DATA	
BENCHMARK:	PE03
ELEVATION:	8.50 NAVD 1988

- 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 SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION GENERAL AS SPECIFIED IN EM 1110-2-1000.
 - 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 C.D.E. MEAN LOW WATER.
 - THE PLANE OF C.D.E. MEAN LOW WATER IS 3.4 FEET BELOW NAVD88.
 - THE PLANE OF C.D.E. MEAN LOW WATER IS 3.5 FEET BELOW NAVD88.
 - 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 MAP DATA SET.
 - THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
 - THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
 - THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION 'NY DOT NETWORK'.
 - THIS MAP IS NOT CEPP COMPLIANT.

