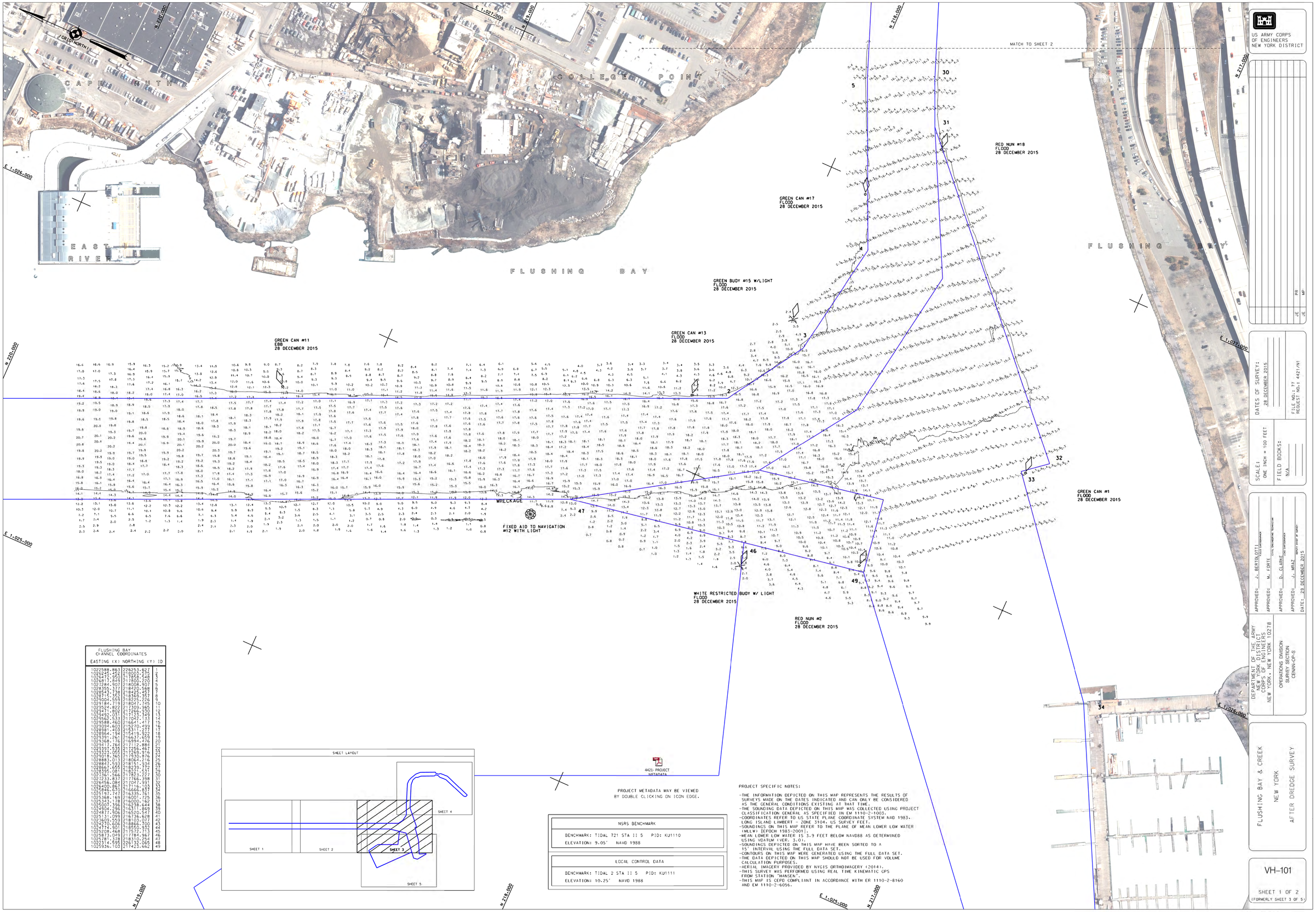
CORPS OF ENGINEERS

U. S. ARMY



FLUSHING BAY CHANNEL COORDINATES		
EASTING (X)	NORTHING (Y)	ID
1022588.863	226253.627	1
1025825.452	218003.575	2
1026472.950	217858.548	3
1026817.849	217805.220	4
1027284.907	218008.907	5
1028355.377	218420.548	6
1028543.738	218428.457	7
1028715.162	218369.357	8
1029004.559	218225.226	9
1029184.719	218047.745	10
1029524.822	217309.965	11
1029471.802	217266.930	12
1029492.031	217123.349	13
1029562.533	217042.133	14
1029588.460	216641.417	15
1029594.603	216270.499	16
1029881.403	216311.277	17
1029864.194	215419.922	18
1029391.261	216637.659	19
1029368.176	216994.476	20
1029417.764	217112.884	21
1029397.635	217256.467	22
1029323.055	217269.816	23
1029018.365	217930.876	24
1028883.013	218064.216	25
1028847.593	218151.934	26
1028667.655	218239.772	27
1028395.081	218221.531	28
1027361.566	217823.227	30
1027233.837	217766.398	31
1026456.084	217047.991	32
1026400.867	217116.103	33
1025846.670	216666.837	34
1025197.747	216335.761	35
1025368.169	216001.725	36
1025343.178	216000.162	37
1025007.396	216238.644	38
1024904.296	216311.869	39
1024817.806	216520.547	40
1025131.099	216136.628	41
1023609.659	218103.077	42
1024320.606	218866.790	43
1024774.901	218550.933	44
1025028.468	217572.713	45
1025813.049	217784.967	46
1025181.378	218110.254	47
1023314.595	226139.065	48
1025936.103	217423.942	49

PROJECT METADATA MAY BE VIEWED
BY DOUBLE CLICKING ON ICON EDGE.

NSRS BENCHMARK
BENCHMARK: TIDAL 721 STA II 5 PID: KU1110
ELEVATION: 9.05' NAVD 1988

LOCAL CONTROL DATA
BENCHMARK: TIDAL 2 STA II 5 PID: KU1111
ELEVATION: 10.25' 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 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, 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 3.9 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 FULL DATA SET.
- THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- AERIAL IMAGERY PROVIDED BY NYGIS ORTHOIMAGERY (2014).
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "HANSEN".
- 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

	JE	PR
	JE	MP

DATES OF SURVEY:
28 DECEMBER 2015

FILE NO.: 77
REQUEST NO.: 4421/N1

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
N/A

APPROVED: J. BERTIN OTTI
CHIEF, SURVEY & DESIGN BRANCH

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARK
CHIEF CARTOGRAPHER

APPROVED: J. MRAZ
SENIOR CHIEF OF SURVEY

DATE: 29 DECEMBER 2015

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

FLUSHING BAY & CREEK
NEW YORK
AFTER DREDGE SURVEY

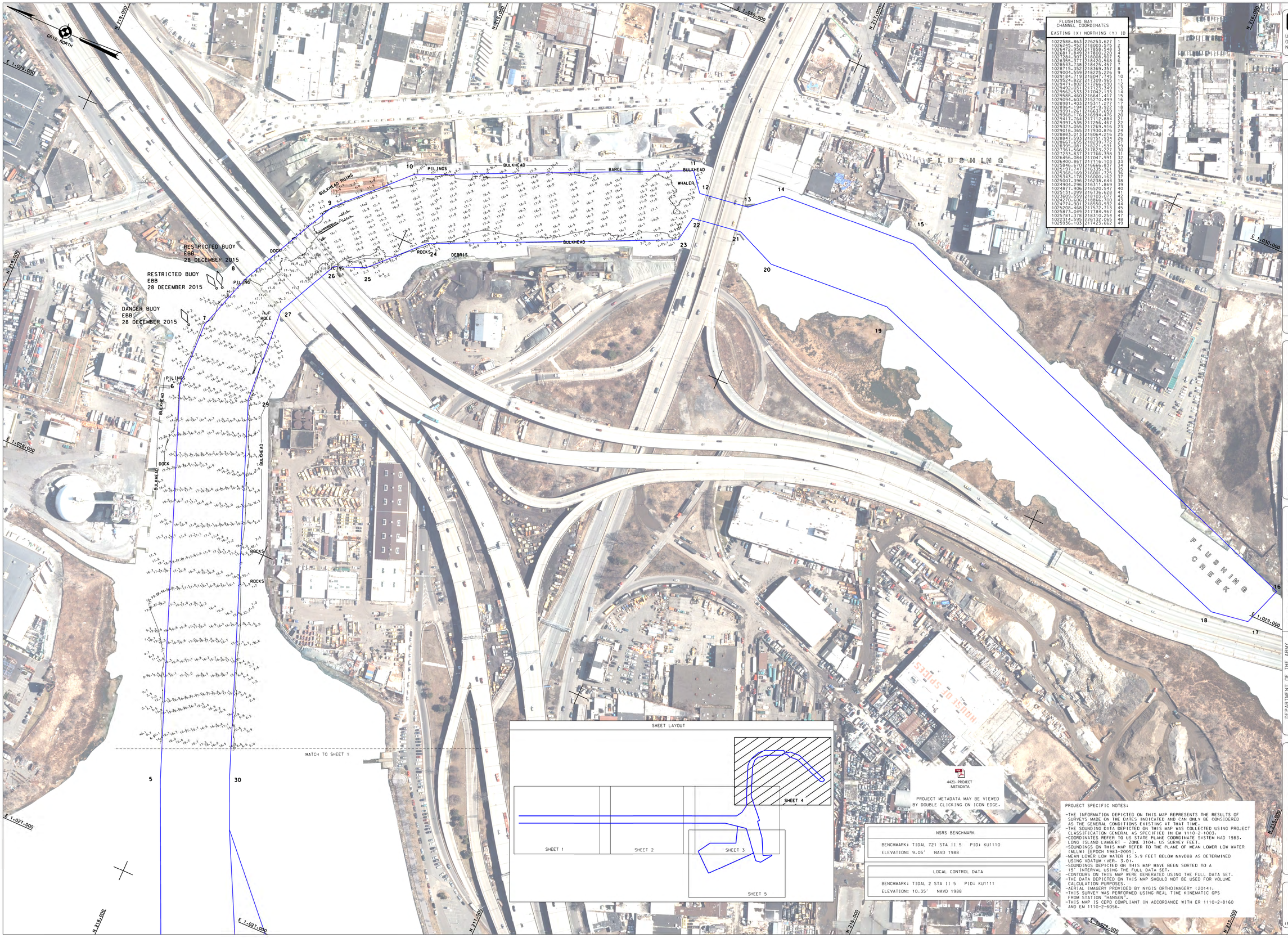
VH-101

SHEET 1 OF 2
(FORMERLY SHEET 3 OF 5)

FILE NO.: 77
REQUEST NO.: 4421/N1

CORPS OF ENGINEERS

U. S. ARMY



FLUSHING BAY CHANNEL COORDINATES		
EASTING (X)	NORTHING (Y)	ID
1022588.863	226253.627	1
1023245.492	218003.275	2
1026472.950	217858.548	3
1026927.840	218000.220	4
1027284.907	218008.907	5
1028455.462	218420.568	6
1028543.738	218425.457	7
1028903.357	218369.157	8
1029004.559	218225.226	9
1029184.119	218047.745	10
1029524.822	217309.865	11
1029473.802	217266.930	12
1029492.031	217123.349	13
1029562.933	217042.133	14
1029588.460	216641.417	15
1030394.603	215270.499	16
1028981.403	215311.277	17
1028964.194	215419.922	18
1029391.261	216637.659	19
1029368.176	216994.476	20
1029417.764	217112.884	21
1029397.535	217256.467	22
1029323.095	217269.916	23
1029018.365	217930.876	24
1028883.013	218064.216	25
1028847.593	218151.934	26
1028667.655	218239.772	27
1028395.081	218221.531	29
1027361.566	217823.227	30
1027233.837	217766.398	31
1026456.084	217047.991	32
1026400.842	217116.193	33
1025846.670	216666.837	34
1025197.747	216335.761	35
1025368.169	216001.725	36
1025343.178	216000.162	37
1025007.396	216238.644	38
1024904.296	216311.869	39
1024877.906	216520.547	40
1025131.099	216736.628	41
1023609.559	218103.077	42
1024270.606	218866.700	43
1024774.901	218550.932	44
1025208.448	217572.713	45
1025873.049	217784.967	46
1025781.378	218310.254	47
1022314.565	226132.065	48
1025236.103	217140.662	49

SHEET LAYOUT

SHEET 1 | SHEET 2 | SHEET 3 | SHEET 4 | SHEET 5

4421-PROJECT METADATA

PROJECT METADATA MAY BE VIEWED BY DOUBLE CLICKING ON ICON EDGE.

NSRS BENCHMARK
BENCHMARK: TIDAL 721 STA II 5 PID: KU1110
ELEVATION: 9.05' NAVD 1988

LOCAL CONTROL DATA
BENCHMARK: TIDAL 2 STA II 5 PID: KU1111
ELEVATION: 10.35' 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 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, 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 3.9 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 FULL DATA SET.
- THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- AERIAL IMAGERY PROVIDED BY NYGIS ORTHOIMAGERY (2014).
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "HANSEN".
- 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
JE
JE

DATES OF SURVEY:
28 DECEMBER 2015

FILE NO:I 77
REQUEST NO:I 4421/N1

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
N/A

APPROVED: J. BERTOLOTTI
CHIEF, NAVIGATION & DREDGE MAINTENANCE

APPROVED: M. FORTE
CHIEF, TECHNICAL ENGINEERING

APPROVED: D. CLARKE
CHIEF, SURVEY & MAPPING

APPROVED: J. MRAZ
BRANCH CHIEF OF SURVEY

DATE: 28 DECEMBER 2015

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

FLUSHING BAY & CREEK
NEW YORK
AFTER DREDGE SURVEY

VH-102

SHEET 2 OF 2
(FORMERLY SHEET 4 OF 5)

FILE NO.: 77
REQUEST NO.: 4421/N1