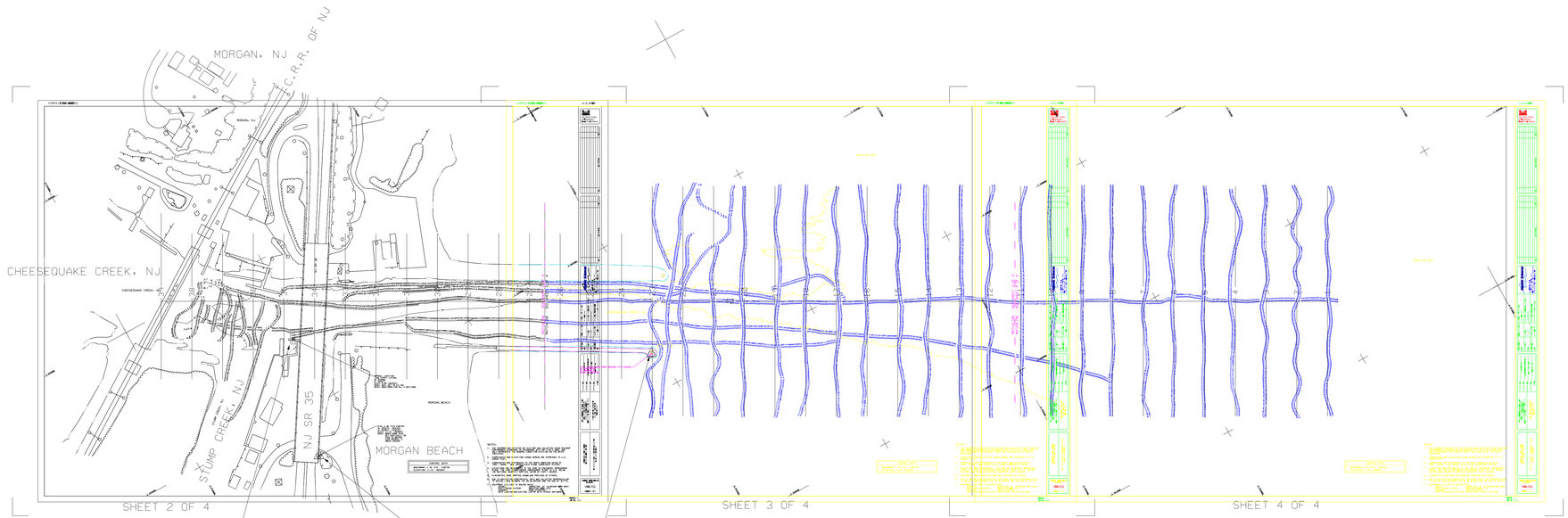

CONTROL DATA
BENCHMARK: X 36 (PID - KV0770)
ELEVATION: 11.12' (NGVD29)

NOTES:

1. THE INFORMATION DEPICTED ON THIS MAP WAS COLLECTED USING MINIMUM PERFORMANCE STANDARDS IN ACCORDANCE WITH EM 1110-2-1003. AND ONLY REPRESENTS THE GENERAL CONDITION EXISTING ON THE DATES INDICATED.
2. COORDINATES AND ELEVATIONS SHOWN HEREON ARE EXPRESSED IN U.S. SURVEY FEET.
3. COORDINATES ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 / NAD83 - NEW JERSEY STATE PLANE COORDINATE SYSTEM.
4. ELEVATIONS ARE REFERENCED TO THE CORP OF ENGINEERS IMPROVEMENT PLANE. THE CORP OF ENGINEERS IMPROVEMENT PLANE IS 2.5' BELOW THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 / NGVD29.
5. PLANIMETRIC BASE MAPPING SHOWN WAS PROVIDED BY OTHERS.
6. DUE TO NAVIGATION CONSTRAINTS. DATA WAS COLLECTED PERPENDICULAR TO DESIGN LINES BETWEEN THE SR.35 BRIDGE AND THE END OF JETTYS.
7. EQUIPMENT UTILIZED TO AQUIRE DATA:
   - VESSEL: INSPECTOR. 24' ALUMINUM WORK BOAT
   - POSITIONING SYSTEM: OMNISTAR 3000 LR12
   - SOUNDER: ODOM HYDROTRAC
   - DATA LOGGING/NAVIGATION: LAPTOP WITH HYPACK SOFTWARE

US Army Corps of Engineers
New York District

REV.	DESCRIPTION	DATE	APPR.

REV.	DESCRIPTION	DATE	APPR.

Aquatic Sciences
40 CENTRE DRIVE
DIRSMAED PARK, NY 14027
TEL: 716.667.4300 FAX: 716.667.3909
WWW.AQUATICSCIENCES.COM

DATE(S) OF SURVEY: 03 JUNE 2008
AQUATIC SCIENCES JOB NO.: G20058OR02
DRAWING FILE NAME: G20058OR02-VH101.DGN

FIELD BOOK(S):
SCALE: 1" = 200'
PLOT DATE: 16 JUNE 2008

DESIGNED BY: SEW
DRAWN BY: SEW
CHECKED BY: CEJ

APPROVED: PROJECT MANAGER
APPROVED: CIVIL ENGINEERING TECHNICIAN
APPROVED: LEAD CARTOGRAPHER
APPROVED: CHIEF OF SURVEY
DATE:

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

CHEESEQUAKE CREEK
MORGAN NEW JERSEY

HYDROGRAPHIC CONDITION SURVEY
SHEET LAYOUT INDEX OF DRAWINGS

SHEET REFERENCE NUMBER:
VH-101
SHEET 1 OF 4

NOTES:

1. THE INFORMATION DEPICTED ON THIS MAP WAS COLLECTED USING MINIMUM PERFORMANCE STANDARDS IN ACCORDANCE WITH EM 1110-2-1003. AND ONLY REPRESENTS THE GENERAL CONDITION EXISTING ON THE DATES INDICATED.
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   VESSEL: INSPECTOR. 24' ALUMINUM WORK BOAT
   POSITIONING SYSTEM: OMNISTAR 3000 LR12
   SOUNDER: ODOM HYDROTRAC
   DATA LOGGING/NAVIGATION: LAPTOP WITH HYPACK SOFTWARE

CONTROL DATA
BENCHMARK: X 36 (PID - KV0770)
ELEVATION: 11.12' (NGVD29)

US Army Corps of Engineers
New York District

REV.	DESCRIPTION	DATE	APPR.

REV.	DESCRIPTION	DATE	APPR.

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ORCHARD PARK, NY 14127
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DATE(S) OF SURVEY: 03 JUNE 2008	JOB NO.:
AQUATIC SCIENCES JOB NO.: G20058OP02	
DRAWING FILE NAME: G20058OP02-VH102.DGN	
PLOT DATE: 16 JUNE 2008	

DESIGNED BY: SEW	FIELD BOOK(S):		
DRAWN BY: SEW	SCALE: 1" = 50'		
CHECKED BY: CEJ	PLOT DATE: 16 JUNE 2008		

APPROVED: PROJECT MANAGER
APPROVED: CIVIL ENGINEERING TECHNICIAN
APPROVED: LEAD CARTOGRAPHER
APPROVED: CHIEF OF SURVEY
DATE:

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

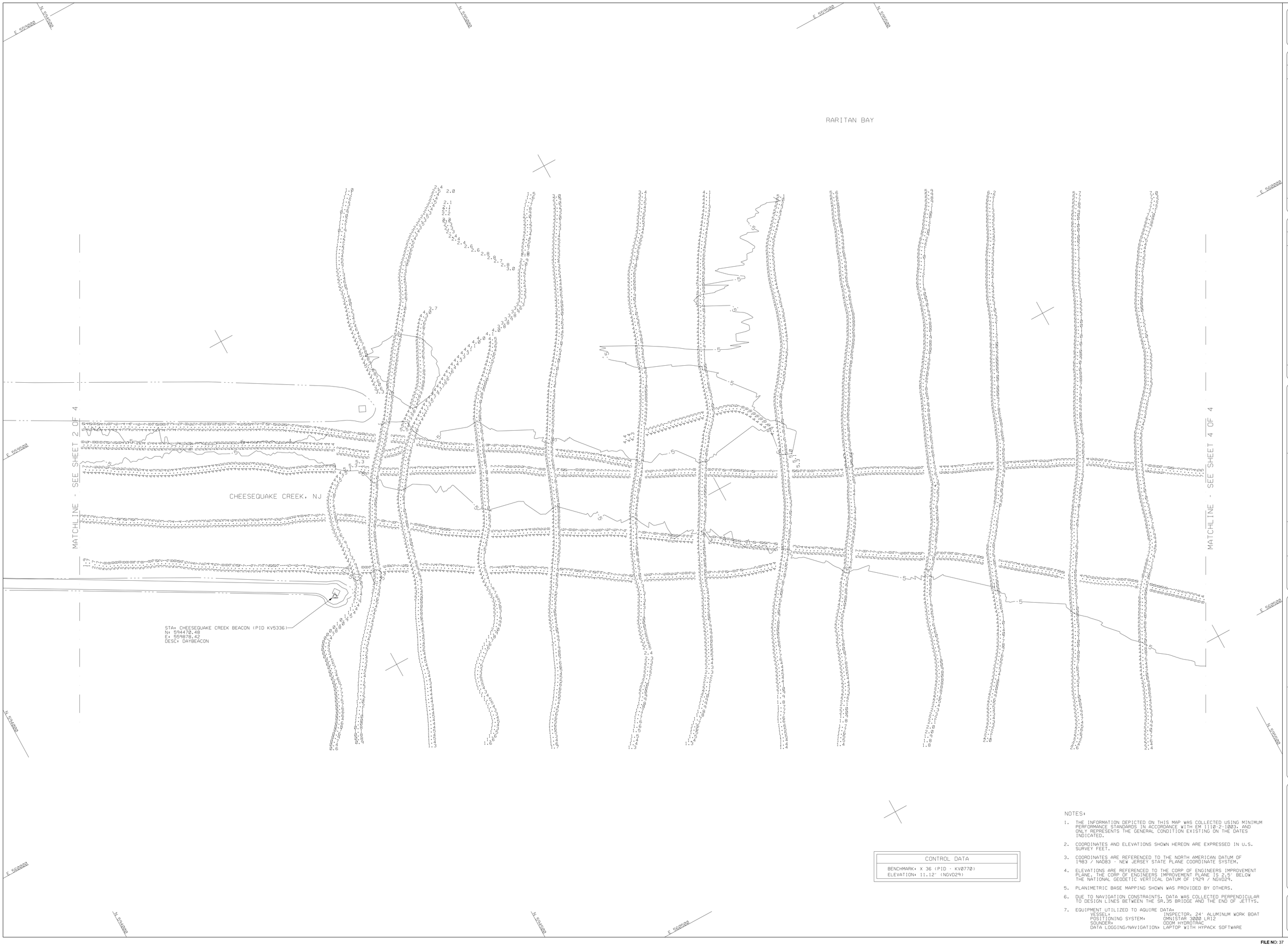
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

CHEESEQUAKE CREEK
MORGAN, NEW JERSEY

HYDROGRAPHIC CONDITION SURVEY
ECHO SOUNDINGS

SHEET REFERENCE NUMBER:
VH-102
SHEET 2 OF 4

FILE NO: 37
REQ NO: 3239



CONTROL DATA

BENCHMARK: X 36 (PID - KV0770)
ELEVATION: 11.12' (NGVD29)

NOTES:

1. THE INFORMATION DEPICTED ON THIS MAP WAS COLLECTED USING MINIMUM PERFORMANCE STANDARDS IN ACCORDANCE WITH EM 1110-2-1003, AND ONLY REPRESENTS THE GENERAL CONDITION EXISTING ON THE DATES INDICATED.
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5. PLANIMETRIC BASE MAPPING SHOWN WAS PROVIDED BY OTHERS.
6. DUE TO NAVIGATION CONSTRAINTS, DATA WAS COLLECTED PERPENDICULAR TO DESIGN LINES BETWEEN THE SR.35 BRIDGE AND THE END OF JETTYS.
7. EQUIPMENT UTILIZED TO AQUIRE DATA:
   - VESSEL: INSPECTOR, 24' ALUMINUM WORK BOAT
   - POSITIONING SYSTEM: OMNISTAR 3000 LR12
   - SOUNDER: ODOM HYDROTRAC
   - DATA LOGGING/NAVIGATION: LAPTOP WITH HYPACK SOFTWARE

US Army Corps of Engineers
New York District

REV.	DESCRIPTION	DATE	APPR.

REV.	DESCRIPTION	DATE	APPR.

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DESIGNED BY: SEW	FIELD BOOK(S):	DATE(S) OF SURVEY: 03 JUNE 2008
DRAWN BY: SEW	SCALE: 1" = 50'	AQUATIC SCIENCES JOB NO.: G20058OP02
CHECKED BY: CEJ	PLOT DATE: 16 JUNE 2008	DRAWING FILE NAME: G20058OP02-VH103.DGN

APPROVED: PROJECT MANAGER
APPROVED: CIVIL ENGINEERING TECHNICIAN
APPROVED: LEAD CARTOGRAPHER
APPROVED: CHIEF OF SURVEY
DATE:

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

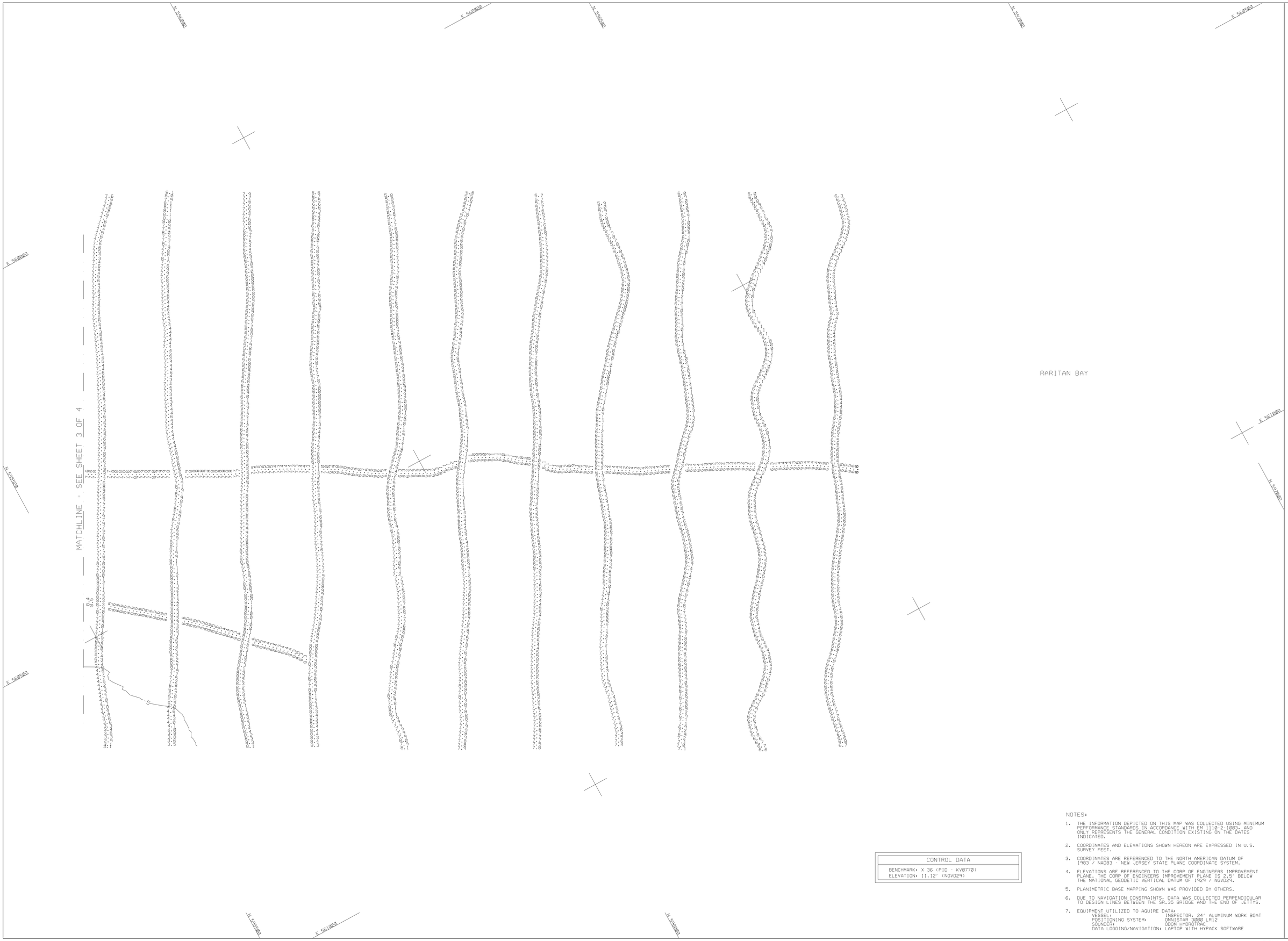
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

CHEESEQUAKE CREEK
MORGAN, NEW JERSEY

HYDROGRAPHIC CONDITION SURVEY
ECHO SOUNDINGS

SHEET REFERENCE NUMBER:
VH-103
SHEET 3 OF 4

FILE NO: 37
REQ NO: 3239



CONTROL DATA
BENCHMARK: X 36 (PID - KV0770) ELEVATION: 11.12' (NGVD29)

NOTES:

1. THE INFORMATION DEPICTED ON THIS MAP WAS COLLECTED USING MINIMUM PERFORMANCE STANDARDS IN ACCORDANCE WITH EM 1110-2-1003, AND ONLY REPRESENTS THE GENERAL CONDITION EXISTING ON THE DATES INDICATED.
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   - VESSEL: INSPECTOR, 24' ALUMINUM WORK BOAT
   - POSITIONING SYSTEM: OMNISTAR 3000 LR12
   - SOUNDER: ODOM HYDROTRAC
   - DATA LOGGING/NAVIGATION: LAPTOP WITH HYPACK SOFTWARE

US Army Corps of Engineers
New York District

REV.	DESCRIPTION	DATE	APPR.

REV.	DESCRIPTION	DATE	APPR.

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DESIGNED BY: SEW	FIELD BOOK(S):	DATE(S) OF SURVEY: 03 JUNE 2008
DRAWN BY: SEW	SCALE: 1" = 50'	AQUATIC SCIENCES JOB NO.: G200580P02
CHECKED BY: CEJ	PLOT DATE: 16 JUNE 2008	DRAWING FILE NAME: G200580P02-VH104.DGN

APPROVED: PROJECT MANAGER
APPROVED: CIVIL ENGINEERING TECHNICIAN
APPROVED: LEAD CARTOGRAPHER
APPROVED: CHIEF OF SURVEY
DATE:

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NEW YORK DISTRICT
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OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

CHEESEQUAKE CREEK
MORGAN, NEW JERSEY

HYDROGRAPHIC CONDITION SURVEY
ECHO SOUNDINGS

SHEET REFERENCE NUMBER:
VH-104
SHEET 4 OF 4

FILE NO: 37
REQ NO: 3239