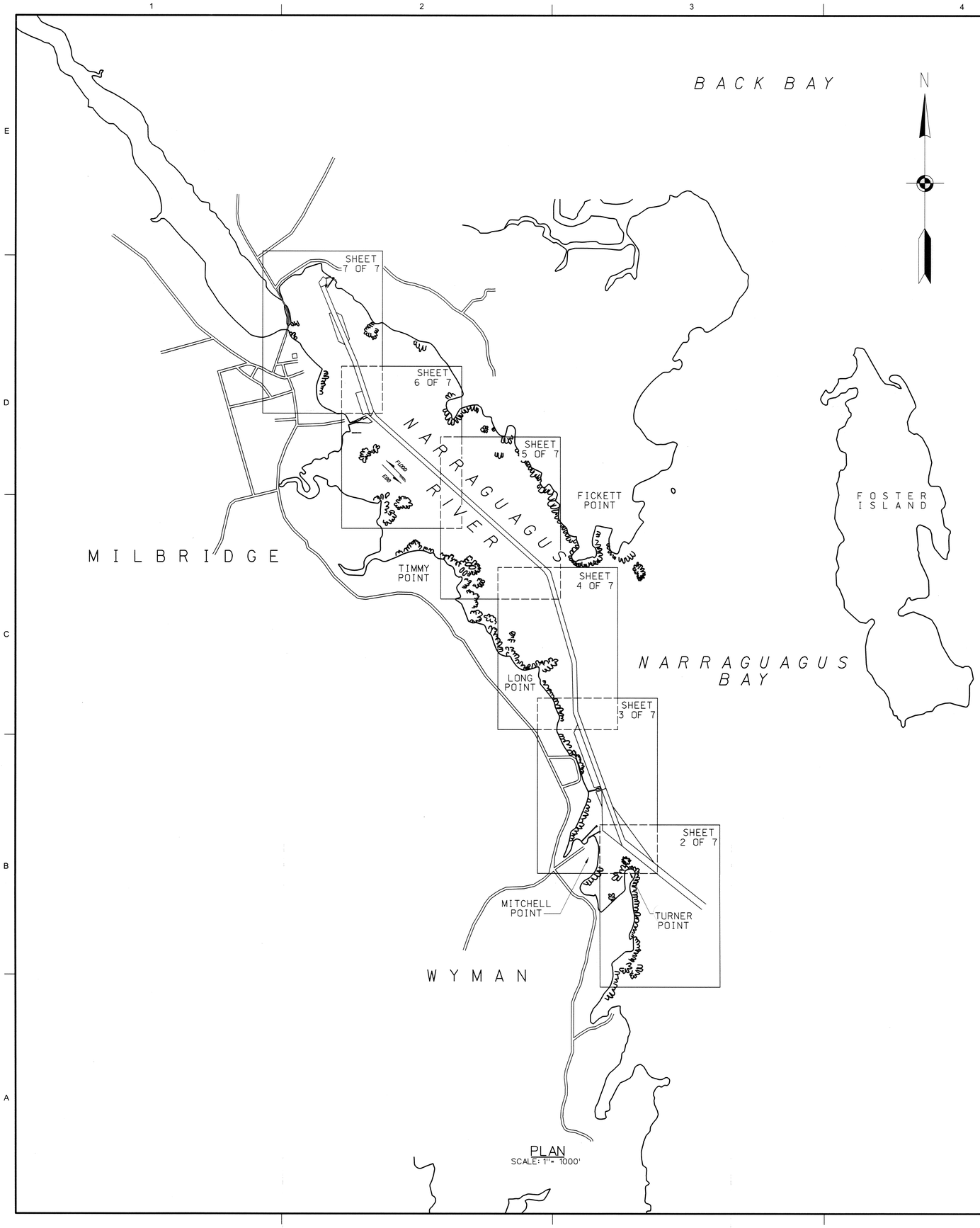
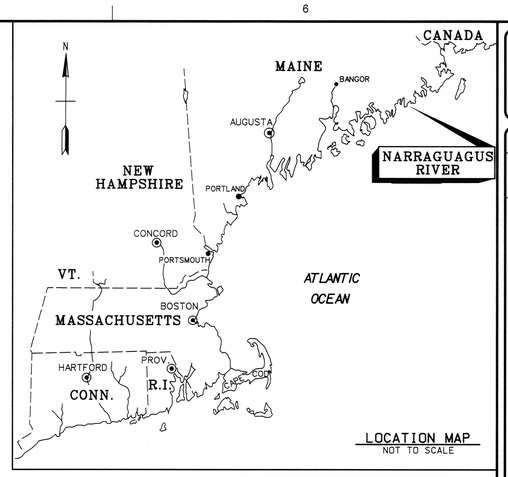


PLAN
SCALE: 1" = 1000'

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-1	06/09/09	N 306547.16 E 1154599.64	44° - 30′ - 20.8″N 67° - 50′ - 49.2″W
RN-2	01/12/10	N 308098.76 E 1152995.03	44° - 30′ - 36.3″N 67° - 51′ - 11.2″W
RN-4	12/14/06	N 310896.78 E 1151909.02	44° - 31′ - 04.0″N 67° - 51′ - 25.8″W
GC-5	12/14/06	N 312084.83 E 1151735.53	44° - 31′ - 15.7″N 67° - 51′ - 28.1″W
GC-7	12/14/06	N 313910.24 E 1151182.85	44° - 31′ - 33.8″N 67° - 51′ - 35.5″W
RN-8	12/14/06	N 314840.12 E 1150368.57	44° - 31′ - 43.0″N 67° - 51′ - 46.7″W
GC-9	12/14/06	N 315714.96 E 1149242.70	44° - 31′ - 51.8″N 67° - 52′ - 02.1″W
RN-10	12/14/06	N 316284.90 E 1148743.61	44° - 31′ - 57.4″N 67° - 52′ - 09.0″W
RN-12	12/14/06	N 317157.09 E 1147752.08	44° - 32′ - 06.1″N 67° - 52′ - 22.6″W
GC-13	01/06/10	N 317493.81 E 1147247.61	44° - 32′ - 09.5″N 67° - 52′ - 29.5″W
GC-15	12/14/06	N 318718.01 E 1146851.96	44° - 32′ - 21.6″N 67° - 52′ - 34.8″W
GC-17	12/14/06	N 319840.97 E 1146341.51	44° - 32′ - 32.7″N 67° - 52′ - 41.8″W



LOCATION MAP
NOT TO SCALE

GENERAL NOTES:

1. Soundings are in feet and tenths and refer to the plane of Mean Lower Low Water (MLLW) 1983-2001 Tidal Epoch.
2. Topography shown is from previous surveys and/or NOAA Chart No. 13324. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted. Topography should be used as a general reference only.
3. Bench Mark Data for Sheets 2 thru 5: BM 3 (1948) is a standard USC&GS disk, stamped "NO 3 1948", set in rock ledge, 9.51 feet (2.9 m) from the peak of the nearest boulder, approximately 10.0 feet (3.0 m) in an offshore direction from base of bluff and approximately 210.0 feet (64.0 m) south of BM 2 (1948) and about 250 yards (228.6 m) north of the town fish pier on the west bank of the Narraguagus River. Elevation is 14.54 feet above MLLW.
4. Bench Mark Data for Sheets 5 thru 7: BM 2581 A (1999) is a standard NOS disk, stamped "2581 A 1999", set in the concrete flagpole base at the public boat access, 184.0 feet (56.0 m) south southeast of the entrance to the public pier, 93.5 feet (28.5 m) southwest of the southeast corner of the dirt parking area, and 1.0 foot (0.30 m) northwest of the center of the flagpole. Elevation is 16.39 feet above MLLW.
5. Coordinates shown are based on the Transverse Mercator Grid System for the State of Maine (East Zone 1801) and NAD 1983.
6. Survey was peformed using an Odom MK2 echotrac echosounder system. Vessel positioning was obtained utilizing a Trimble 4000 SSE GPS Receiver with the U.S. Coast Guard Beacon System.
7. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during December 2006, January 2007 and January 2010.
8. The sounding information depicted on these maps should NOT be used to determine volumes. Volumes are determined from more sounding information than shown. Additional sounding information is available upon request.
9. The information depicted on these maps represents the results of surveys made on the dates indicated, and can only be considered as indicating the general conditions existing at that time.
10. Considerable ledge and rock exist adjacent to the Narraguagus River authorized project.
11. Field Books: R&H 2427, 4245, 4528 and 4537
6-foot depth contour shown thus:
9-foot depth contour shown thus:
11-foot depth contour shown thus:
Depthsounder Rolls: 06-854/01-05 and 10-1039/01-05
Surveyed by: Paul K. O'Brien and Crew

SAFETY PAYS

GRAPHIC SCALE:
1000 0 1000 2000
1" = 1000'

US Army Corps of Engineers®
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MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

REVIEWED BY: Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 2/4/10
DWN BY: DWS
CKD BY: MJB
DESIGN FILE: NARHSP1.DGN
CADD CONTROL DATE: 2/02/2010
DRAWING CODE: SHA
SCALE: 1" = 1000'
SIZE: ANSI F
FILE NAME: NAR0864V101.001

NARRAGUAGUS RIVER
MILBRIDGE, MAINE
AFTER DREDGE/CONDITION SURVEY
6, 9 AND 11-FOOT CHANNELS
6, 9 AND 11-FOOT ANCHORAGES
6-FOOT TURNING BASIN

SHEET IDENTIFICATION
V-101
SHEET 1 OF 7

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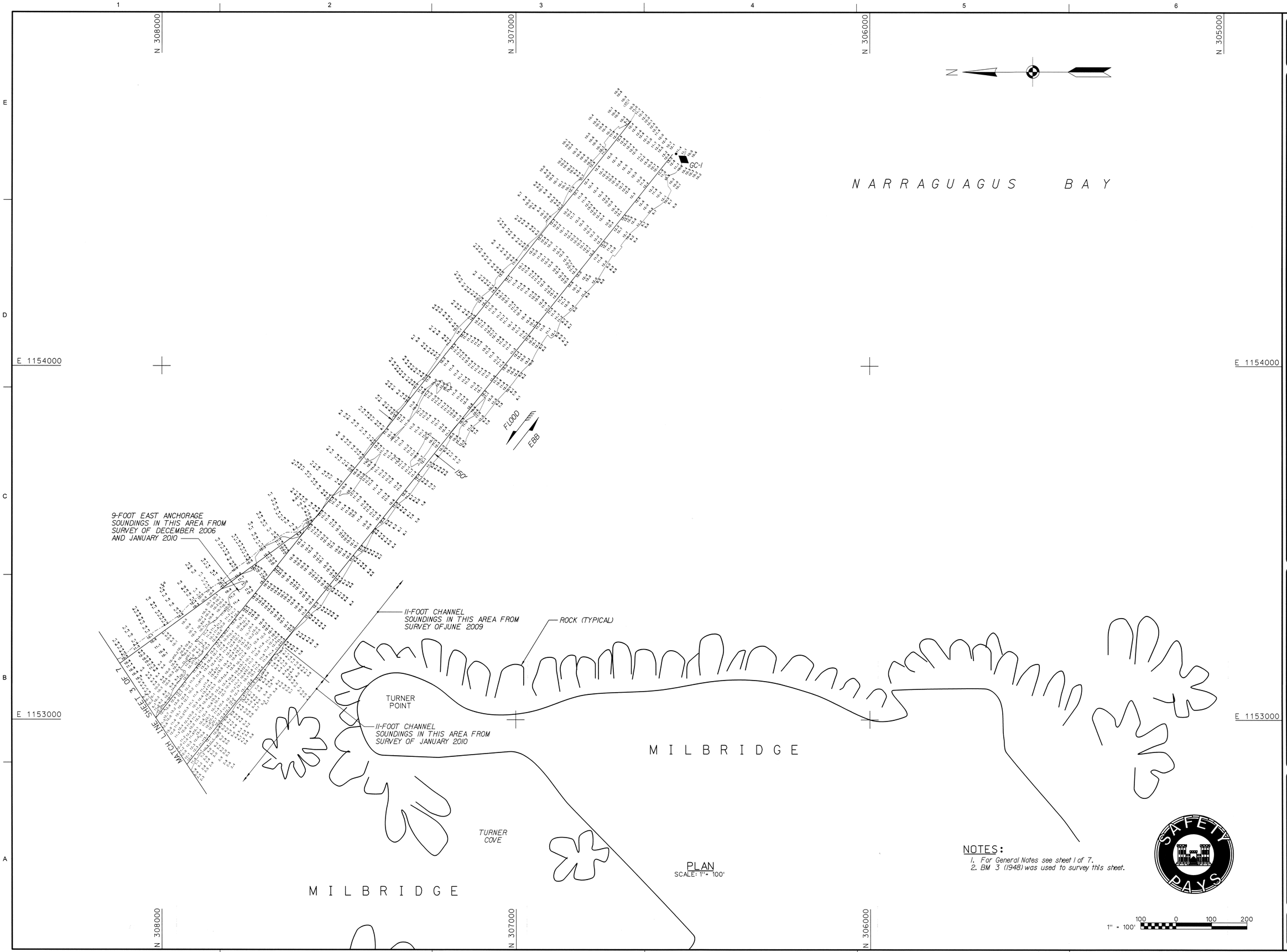

PLAN
SCALE: 1" = 100'

NOTES:
1. For General Notes see sheet 1 of 7.
2. BM 3 (1948) was used to survey this sheet.

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MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

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REVIEWED BY: Asst. Chief, Survey Section — DATE: 3/2/10
SUBMITTED BY: Chief, Survey Section
DWN BY: SWK — CKD BY: MTM
DESIGN FILE: NARRAGUAGUS.DGN
PLOT SCALE: — PLOT DATE: 2/02/2010 — DRAWING CODE: 2664
SIZE: ANSI E — FILE NAME: NARRAGUAGUS.502

NARRAGUAGUS RIVER
MILBRIDGE, MAINE
AFTER DREDGE/CONDITION SURVEY
6, 9 AND 11-FOOT CHANNELS
6, 9 AND 11-FOOT ANCHORAGES
6-FOOT TURNING BASIN

SHEET IDENTIFICATION
V-102
SHEET 2 OF 7

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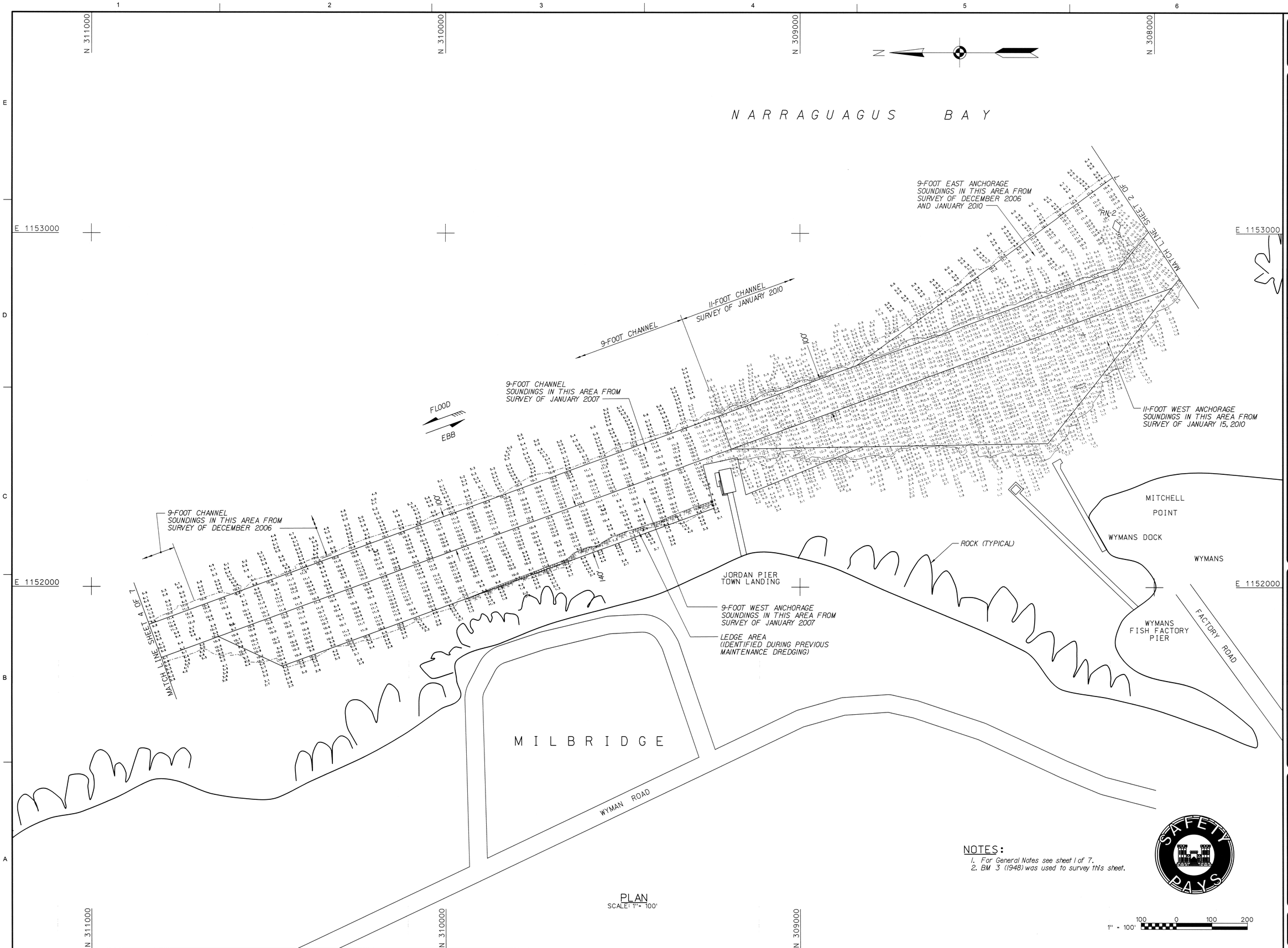

NOTES:
1. For General Notes see sheet 1 of 7.
2. BM 3 (1948) was used to survey this sheet.

PLAN
SCALE: 1" = 100'

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MARK	DESCRIPTION	DATE	APPR

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 2/02/2010
SIZE: ANSI F
FILE NAME: NAR2664V103.S03
DATE: 2/2/10
DWN BY: SWK
CKD BY: MTM
DESIGN FILE: NARRSP3.DGN
DRAWING CODE: 2664

NARRAGUAGUS RIVER
MILBRIDGE, MAINE
AFTER DREDGE/CONDITION SURVEY
6, 9 AND 11-FOOT CHANNELS
6, 9 AND 11-FOOT ANCHORAGES
6-FOOT TURNING BASIN

SHEET IDENTIFICATION
V-103
SHEET 3 OF 7

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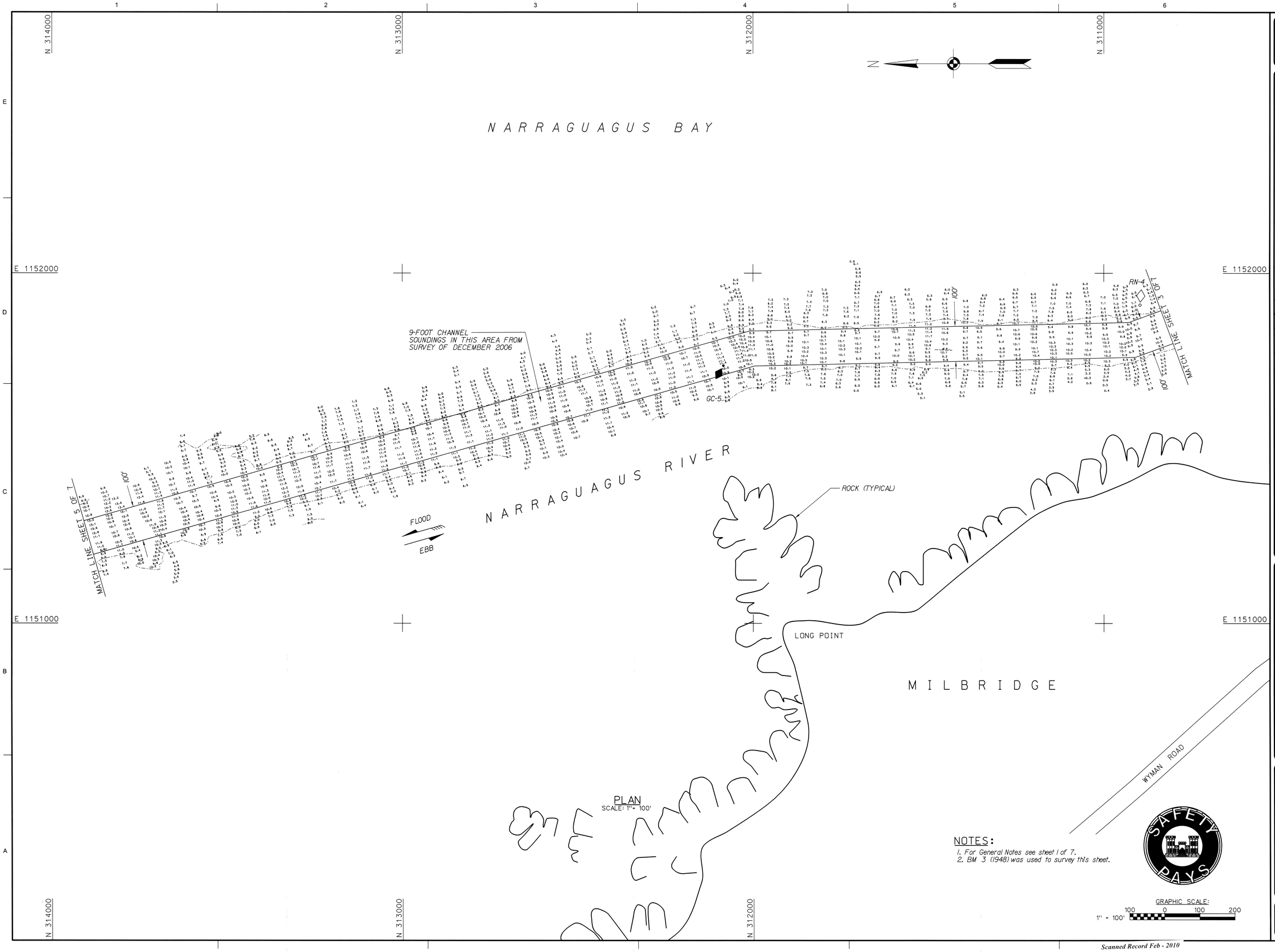

PLAN
SCALE: 1" = 100'

NOTES:
1. For General Notes see sheet 1 of 7.
2. BM 3 (1948) was used to survey this sheet.

GRAPHIC SCALE:
1" = 100'
100 0 100 200

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MARK	DESCRIPTION	DATE	APPR

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www.nae.usace.army.mil

REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 2/02/2010
SIZE: ANSI F
FILE NAME: NAR266AV104.S04
DATE: 2/2/10
DWN BY: SWK
CKD BY: MTM
DESIGN FILE: NARRSP3.DGN
DRAWING CODE: 2664

NARRAGUAGUS RIVER
MILBRIDGE, MAINE
AFTER DREDGE/CONDITION SURVEY
6, 9 AND 11-FOOT CHANNELS
6, 9 AND 11-FOOT ANCHORAGES
6-FOOT TURNING BASIN

SHEET IDENTIFICATION
V-104
SHEET 4 OF 7

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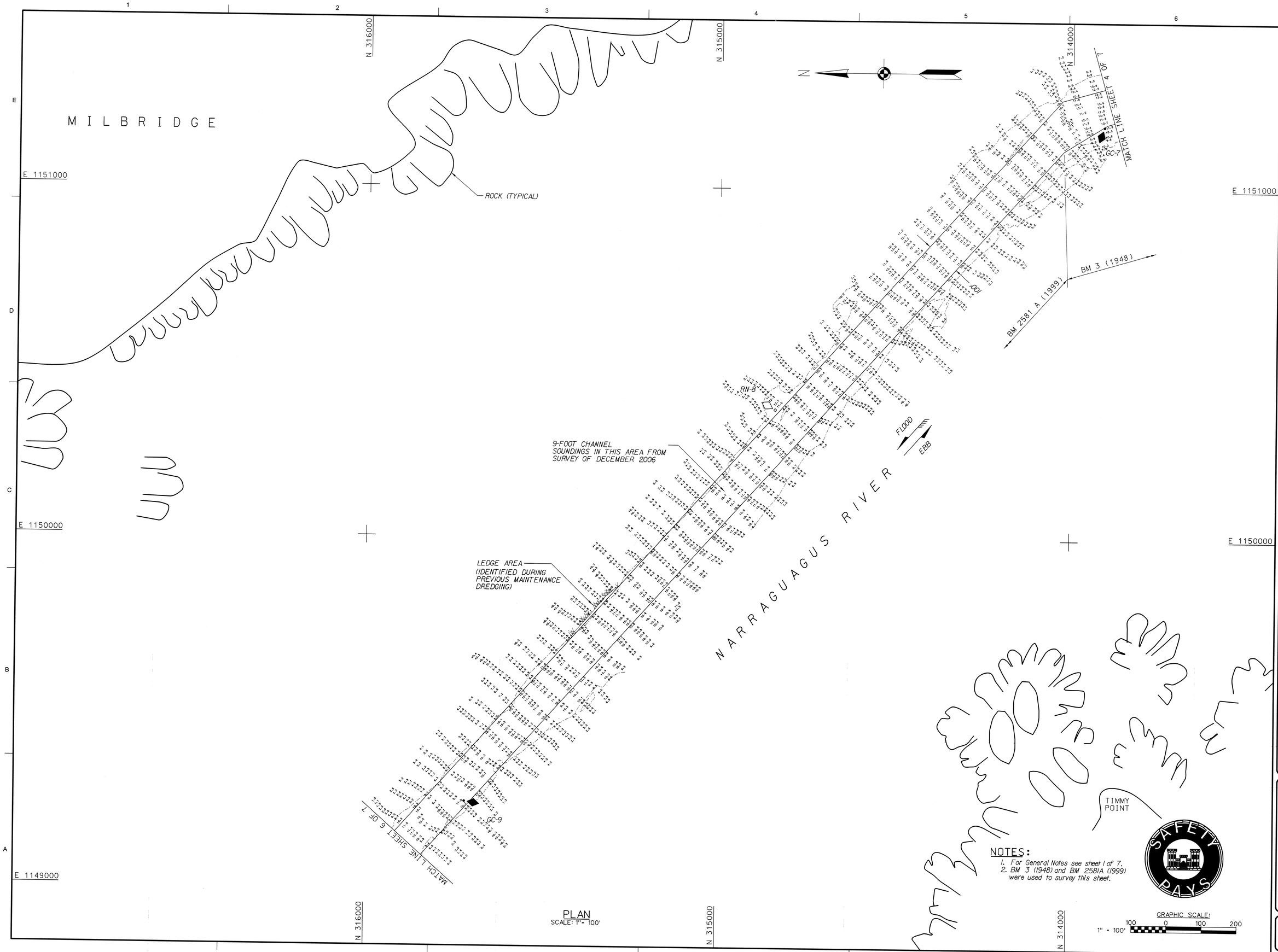

PLAN
SCALE: 1" = 100'

NOTES:
1. For General Notes see sheet 1 of 7.
2. BM 3 (1948) and BM 2581A (1999) were used to survey this sheet.

GRAPHIC SCALE:
1" = 100'
100 0 100 200

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NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
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REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 2/2/10
DWN BY: SWK
CKD BY: MTM
DESIGN FILE: NARRISP3.DGN
PLOT SCALE: 1" = 100'
PLOT DATE: 2/02/2010
DRAWING CODE: 2664
SIZE: ANSI F
FILE NAME: NAR2664V105.505

NARRAGUAGUS RIVER
MILBRIDGE, MAINE
AFTER DREDGE/CONDITION SURVEY
6, 9 AND 11-FOOT CHANNELS
6, 9 AND 11-FOOT ANCHORAGES
6-FOOT TURNING BASIN

SHEET IDENTIFICATION
V-105
SHEET 5 OF 7

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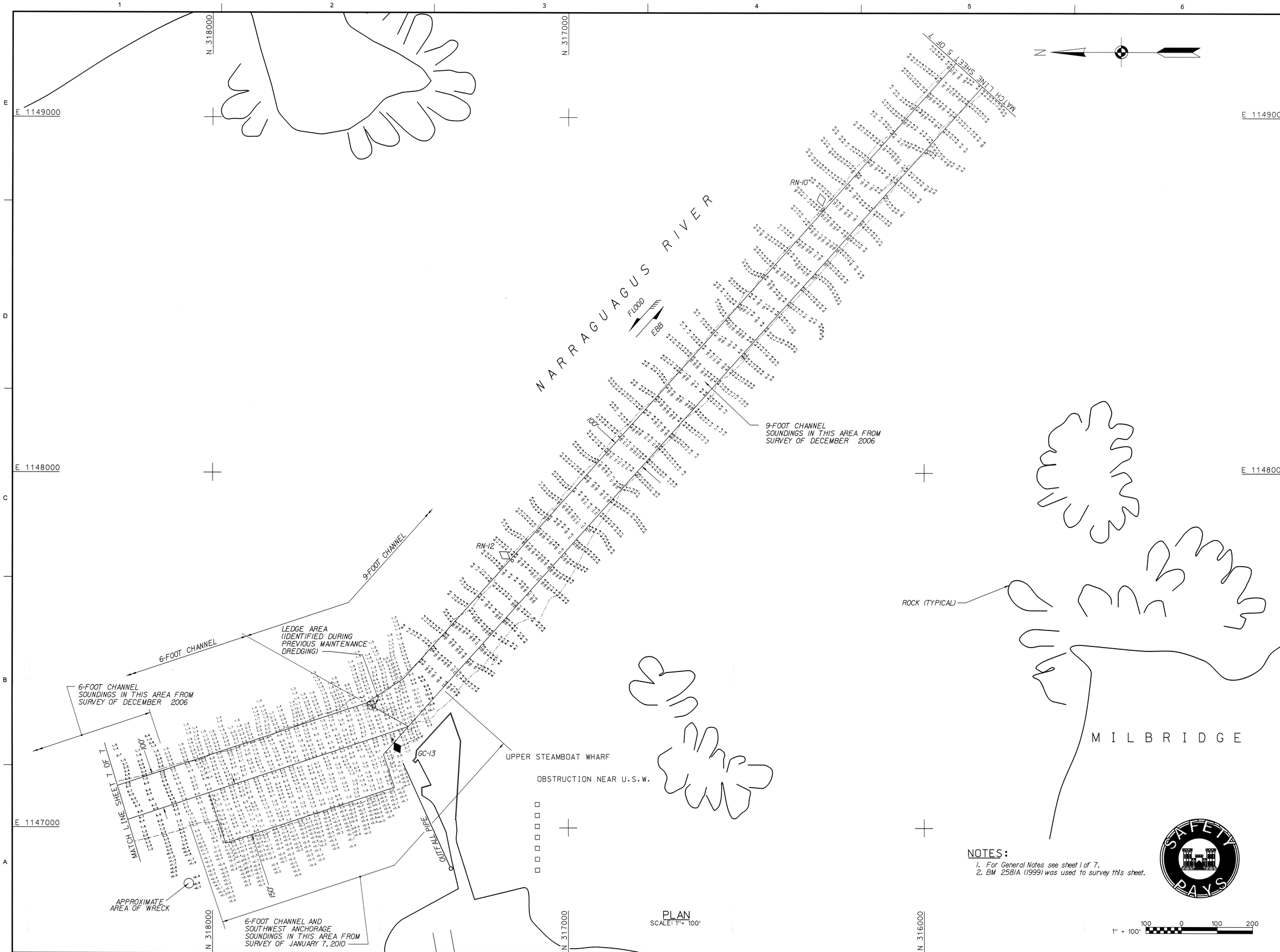

PLAN
SCALE: 1" = 100'

NOTES:
1. For General Notes see sheet 1 of 7.
2. BM 2581A (1999) was used to survey this sheet.

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MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
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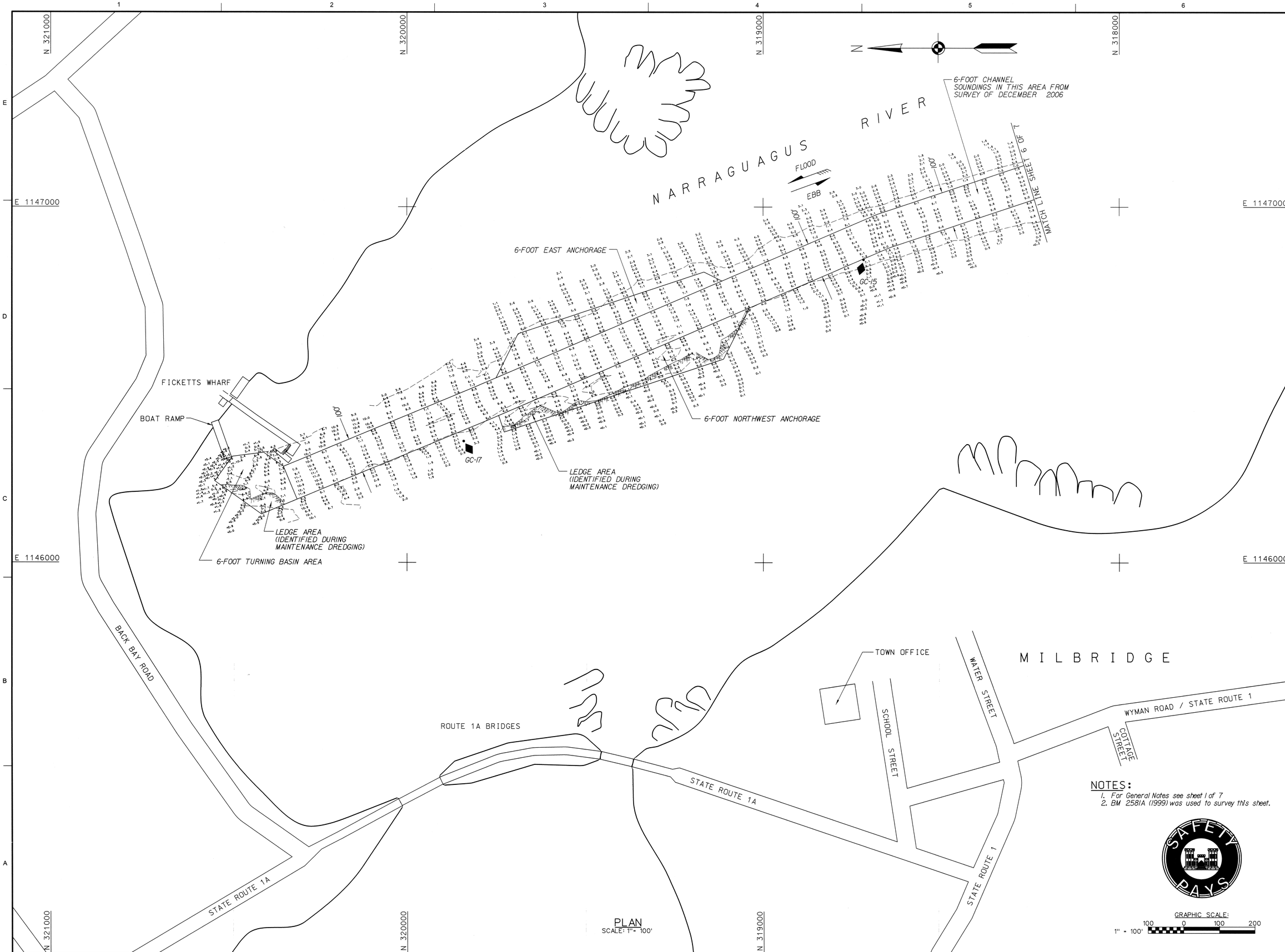
REVIEWED BY: Maurice Tracy, Asst. Chief, Survey Section
SUPERVISED BY: Clifford Mason, Chief, Survey Section
DATE: 2/2/10
DWN BY: CWB
CKD BY: MRR
DESIGN FILE: NARRSP1.DGN
PLOT SCALE: 1" = 100'
PLOT DATE: 2/2/2010
DRAWING CODE: PMM
SIZE: ANSI F
FILE NAME: NAR25564V06.S06

NARRAGUAGUS RIVER
MILBRIDGE, MAINE
AFTER DREDGE/CONDITION SURVEY
6, 9 AND 11-FOOT CHANNELS
6, 9 AND 11-FOOT ANCHORAGES
6-FOOT TURNING BASIN

SHEET IDENTIFICATION
V-106
SHEET 6 OF 7

Scanned Record Feb - 2010



PLAN
SCALE: 1" = 100'

NOTES:
1. For General Notes see sheet 1 of 7
2. BM 2581A (1999) was used to survey this sheet.

SAFETY PAYS

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MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
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REVIEWED BY: Chief, Survey Section
SUBMITTED BY: Chief, Design Branch
DATE: 2.5.10
DWN BY: SWK
CKD BY: MTM
DESIGN FILE: NARRAGUAGUS
DRAWING CODE: 2964
PLOT SCALE: 1" = 100'
PLOT DATE: 2/02/2010
SIZE: ANSI E
FILE NAME: NARRAGUAGUS.007

NARRAGUAGUS RIVER
MILBRIDGE, MAINE
AFTER DREDGE/CONDITION SURVEY
6, 9 AND 11-FOOT CHANNELS
6, 9 AND 11-FOOT ANCHORAGES
6-FOOT TURNING BASIN

SHEET IDENTIFICATION
V-107
SHEET 7 OF 7

Scanned Record Feb - 2010