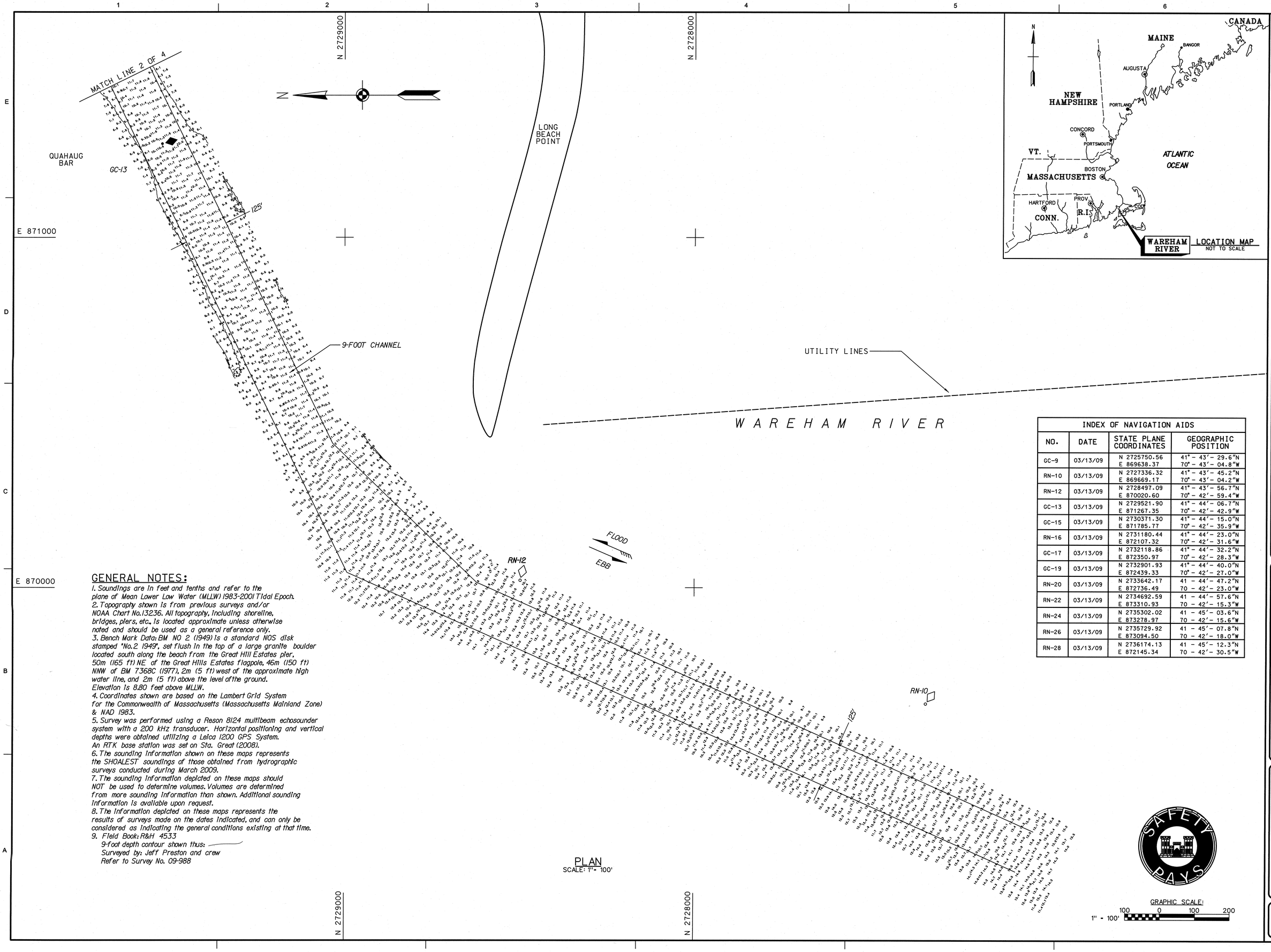

GENERAL NOTES:

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.13236. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Bench Mark Data: BM NO 2 (1949) is a standard NOS disk stamped "No.2 1949", set flush in the top of a large granite boulder located south along the beach from the Great Hill Estates pier, 50m (165 ft) NE of the Great Hills Estates flagpole, 46m (150 ft) NNW of BM 7368C (1977), 2m (5 ft) west of the approximate high water line, and 2m (5 ft) above the level of the ground. Elevation is 8.80 feet above MLLW.
4. Coordinates shown are based on the Lambert Grid System for the Commonwealth of Massachusetts (Massachusetts Mainland Zone) & NAD 1983.
5. Survey was performed using a Reson 8124 multibeam echosounder system with a 200 kHz transducer. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. An RTK base station was set on Sta. Great (2008).
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during March 2009.
7. 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.
8. 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.
9. Field Book: R&H 4533
   9-foot depth contour shown thus:
   Surveyed by: Jeff Preston and crew
   Refer to Survey No. 09-988

PLAN
SCALE: 1"= 100'

INDEX OF NAVIGATION AIDS

NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-9	03/13/09	N 2725750.56 E 869638.37	41° - 43′- 29.6″N 70° - 43′- 04.8″W
RN-10	03/13/09	N 2727336.32 E 869669.17	41° - 43′- 45.2″N 70° - 43′- 04.2″W
RN-12	03/13/09	N 2728497.09 E 870020.60	41° - 43′- 56.7″N 70° - 42′- 59.4″W
GC-13	03/13/09	N 2729521.90 E 871267.35	41° - 44′- 06.7″N 70° - 42′- 42.9″W
GC-15	03/13/09	N 2730371.30 E 871785.77	41° - 44′- 15.0″N 70° - 42′- 35.9″W
RN-16	03/13/09	N 2731180.44 E 872107.32	41° - 44′- 23.0″N 70° - 42′- 31.6″W
GC-17	03/13/09	N 2732118.86 E 872350.97	41° - 44′- 32.2″N 70° - 42′- 28.3″W
GC-19	03/13/09	N 2732901.93 E 872439.33	41° - 44′- 40.0″N 70° - 42′- 27.0″W
RN-20	03/13/09	N 2733642.17 E 872736.49	41 - 44′- 47.2″N 70 - 42′- 23.0″W
RN-22	03/13/09	N 2734692.59 E 873310.93	41 - 44′- 57.6″N 70 - 42′- 15.3″W
RN-24	03/13/09	N 2735302.02 E 873278.97	41 - 45′- 03.6″N 70 - 42′- 15.6″W
RN-26	03/13/09	N 2735729.92 E 873094.50	41 - 45′- 07.8″N 70 - 42′- 18.0″W
RN-28	03/13/09	N 2736174.13 E 872145.34	41 - 45′- 12.3″N 70 - 42′- 30.5″W

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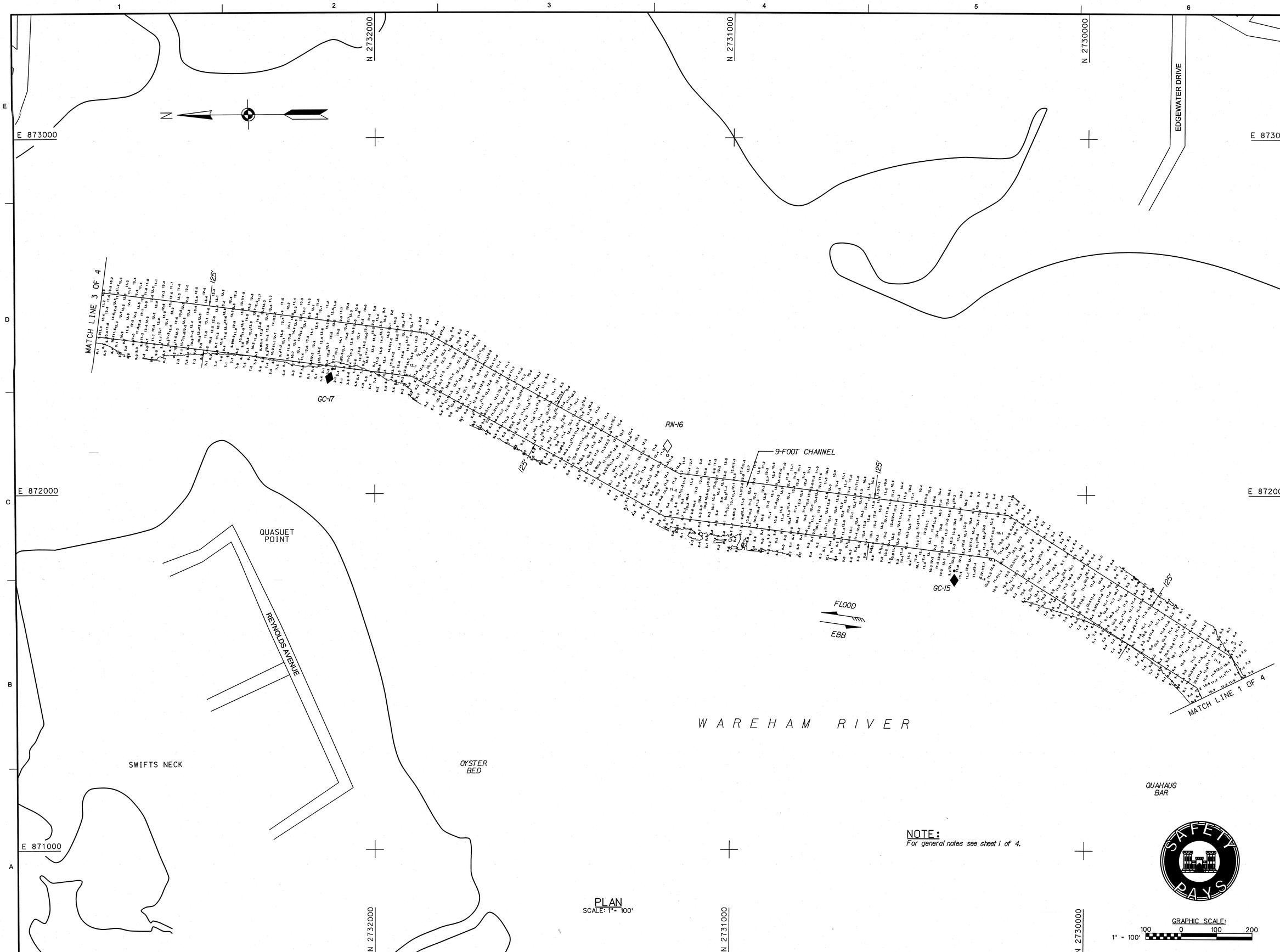
www.nae.usace.army.mil

REVIEWED BY: Alan C. Dion
SUBMITTED BY: Jeffrey A. Preston
PLOT SCALE: 1" = 100'
PLOT DATE: 4/13/2012
SIZE: ANSI D
DATE: APRIL 2012
DWN BY: AEB
CKD BY: WMW
DESIGN FILE: Wareham_Survey.dgn
DRAWING CODE: WA-H-14
FILE NAME: WA0414V101.001

WAREHAM HARBOR
WAREHAM, MASSACHUSETTS
CONDITION SURVEY

9-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 4



NOTE:
For general notes see sheet 1 of 4.

PLAN
SCALE: 1" = 100'

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

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MARK	DESCRIPTION	DATE	APPR

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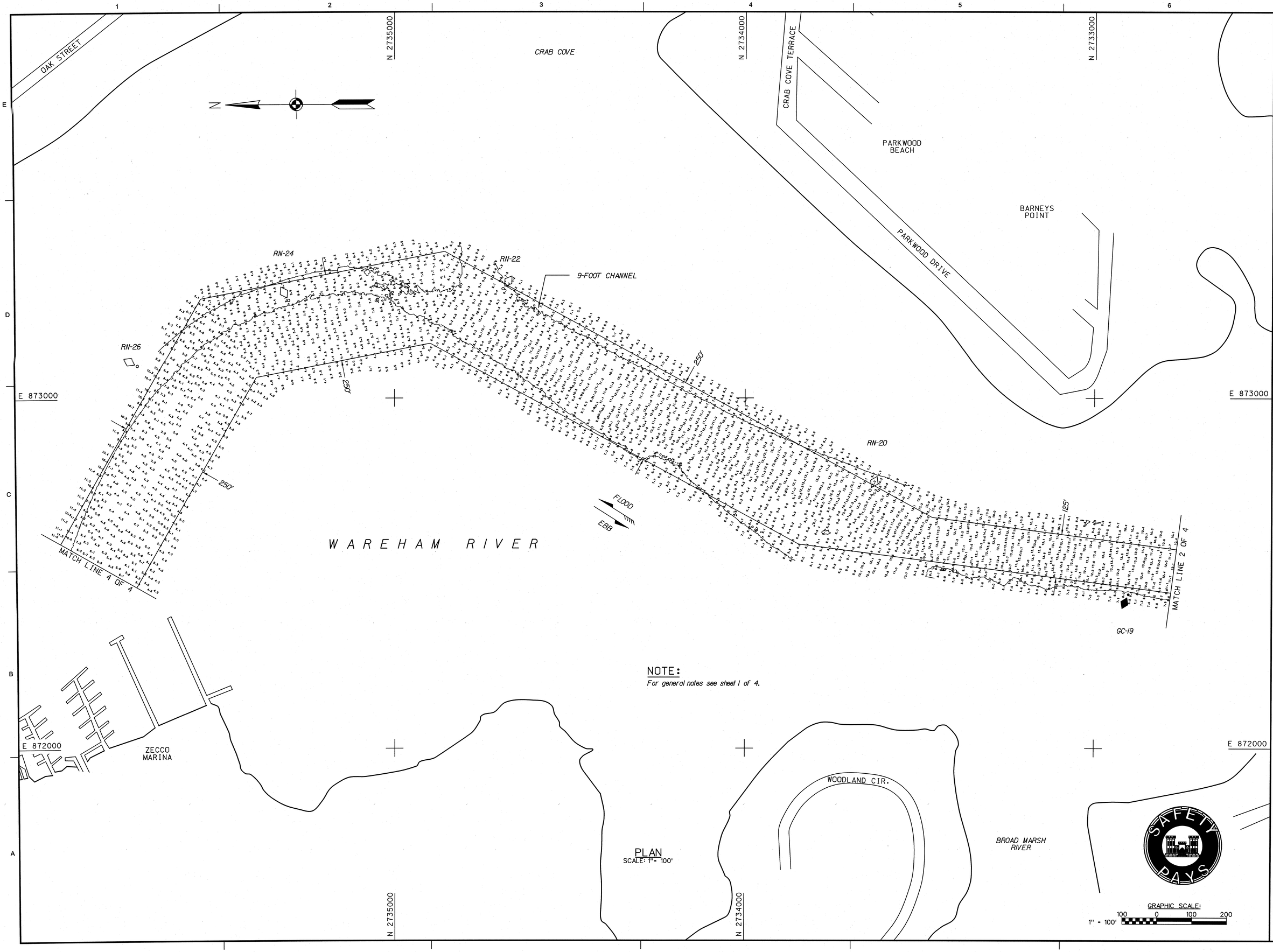
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 4/12/2012
SIZE: ANSI F
FILE NAME: WAH14V102.S02
DATE: 12 APRIL 2012
DWN BY: AEB
CKD BY: WWW
DESIGN FILE: WAHRSP3.DGN
DRAWING CODE: WM-H-14

WAREHAM HARBOR
WAREHAM, MASSACHUSETTS
CONDITION SURVEY

9-FOOT CHANNEL

SHEET IDENTIFICATION
V-102
SHEET 2 OF 4



NOTE:
For general notes see sheet 1 of 4.

PLAN
SCALE: 1" = 100'

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MARK	DESCRIPTION	DATE	APPR
1			

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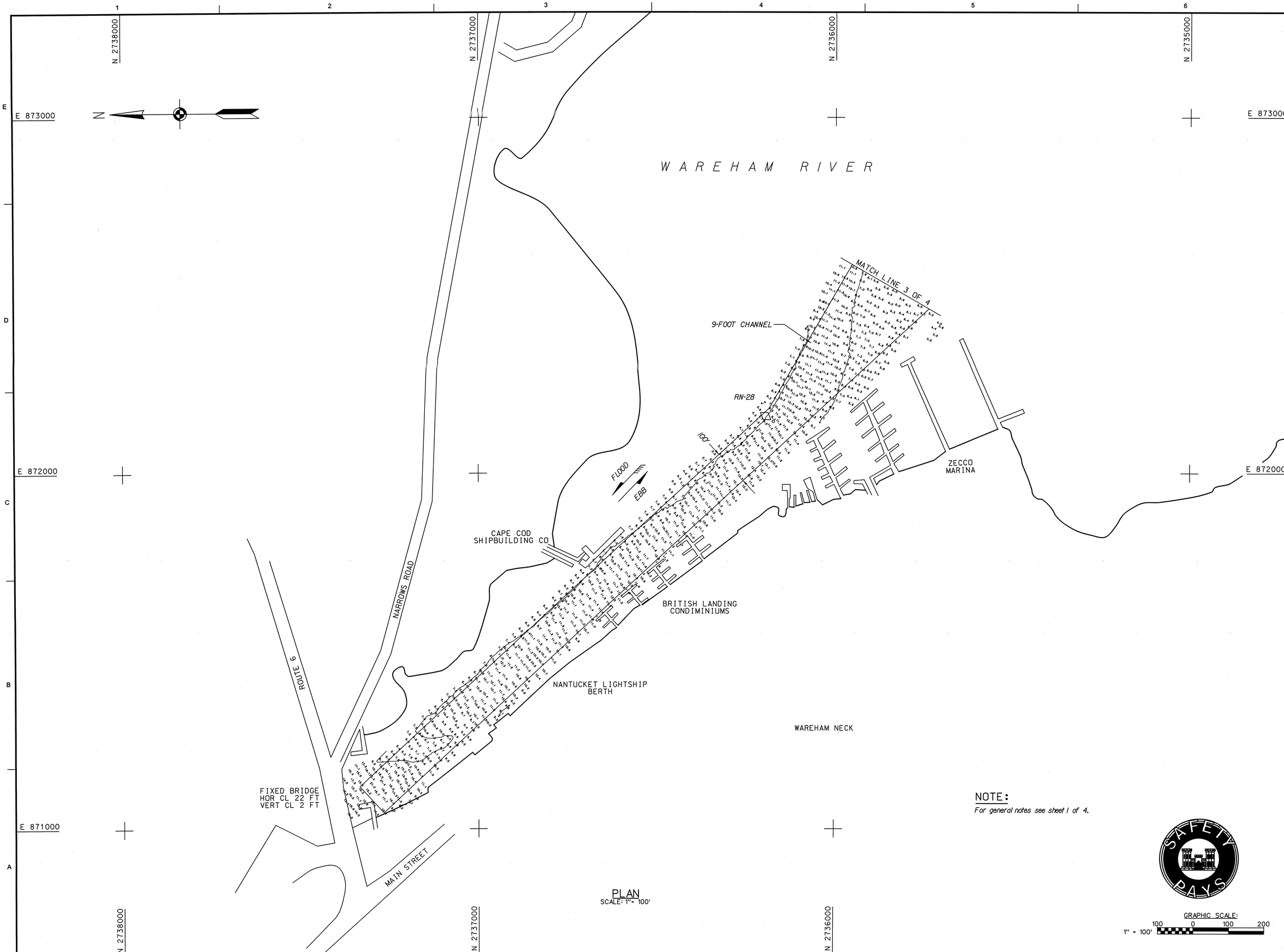
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 12 APRIL 2012
DWN BY: AEB
CKD BY: WHW
DESIGN FILE: WAH#SR3.DGN
PLOT SCALE: 1" = 100'
PLOT DATE: 4/12/2012
DRAWING CODE: WM-H-14
SIZE: ANSI F
FILE NAME: WAH14V103.S03

WAREHAM HARBOR
WAREHAM, MASSACHUSETTS
CONDITION SURVEY

9-FOOT CHANNEL

SHEET IDENTIFICATION
V-103
SHEET 3 OF 4



NOTE:
For general notes see sheet 1 of 4.

PLAN
SCALE: 1" = 100'

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

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MARK	DESCRIPTION	DATE	APPR

MARK	DESCRIPTION	DATE	APPR

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REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 4/12/2012
SIZE: ANSI F
FILE NAME: WAH14V104.S04
DATE: 12 APRIL 2012
DWN BY: AEB
CKD BY: WHW
DESIGN FILE: WAH8SP3.DGN
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WAREHAM HARBOR
WAREHAM, MASSACHUSETTS
CONDITION SURVEY

9-FOOT CHANNEL

SHEET IDENTIFICATION
V-104
SHEET 4 OF 4