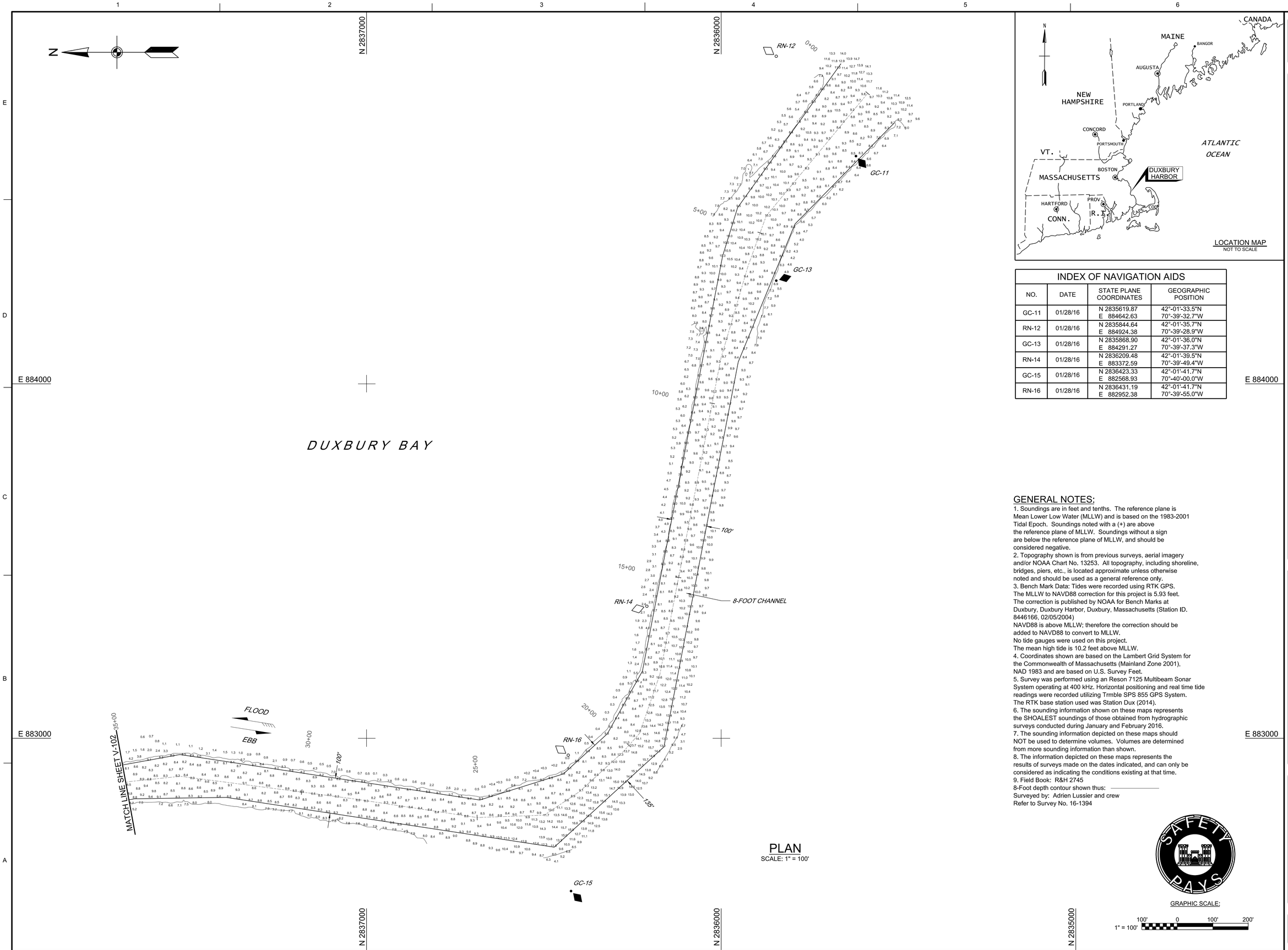

PLAN
SCALE: 1" = 100'

LOCATION MAP
NOT TO SCALE

INDEX OF NAVIGATION AIDS

NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-11	01/28/16	N 2835619.87 E 884642.63	42°-01'-33.5"N 70°-39'-32.7"W
RN-12	01/28/16	N 2835844.64 E 884924.38	42°-01'-35.7"N 70°-39'-28.9"W
GC-13	01/28/16	N 2835868.90 E 884291.27	42°-01'-36.0"N 70°-39'-37.3"W
RN-14	01/28/16	N 2836209.48 E 883372.59	42°-01'-39.5"N 70°-39'-49.4"W
GC-15	01/28/16	N 2836423.33 E 882568.93	42°-01'-41.7"N 70°-40'-00.0"W
RN-16	01/28/16	N 2836431.19 E 882952.38	42°-01'-41.7"N 70°-39'-55.0"W

GENERAL NOTES:

1. Soundings are in feet and tenths. The reference plane is Mean Lower Low Water (MLLW) and is based on the 1983-2001 Tidal Epoch. Soundings noted with a (+) are above the reference plane of MLLW. Soundings without a sign are below the reference plane of MLLW, and should be considered negative.
2. Topography shown is from previous surveys, aerial imagery and/or NOAA Chart No. 13253. 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: Tides were recorded using RTK GPS. The MLLW to NAVD88 correction for this project is 5.93 feet. The correction is published by NOAA for Bench Marks at Duxbury, Duxbury Harbor, Duxbury, Massachusetts (Station ID. 8446166, 02/05/2004)
NAVD88 is above MLLW; therefore the correction should be added to NAVD88 to convert to MLLW.
No tide gauges were used on this project.
The mean high tide is 10.2 feet above MLLW.
4. Coordinates shown are based on the Lambert Grid System for the Commonwealth of Massachusetts (Mainland Zone 2001), NAD 1983 and are based on U.S. Survey Feet.
5. Survey was performed using an Reson 7125 Multibeam Sonar System operating at 400 kHz. Horizontal positioning and real time tide readings were recorded utilizing Trmble SPS 855 GPS System. The RTK base station used was Station Dux (2014).
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during January and February 2016.
7. The sounding information depicted on these maps should NOT be used to determine volumes. Volumes are determined from more sounding information than shown.
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 conditions existing at that time.
9. Field Book: R&H 2745
8-Foot depth contour shown thus: ————
Surveyed by: Adrien Lussier and crew
Refer to Survey No. 16-1394

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

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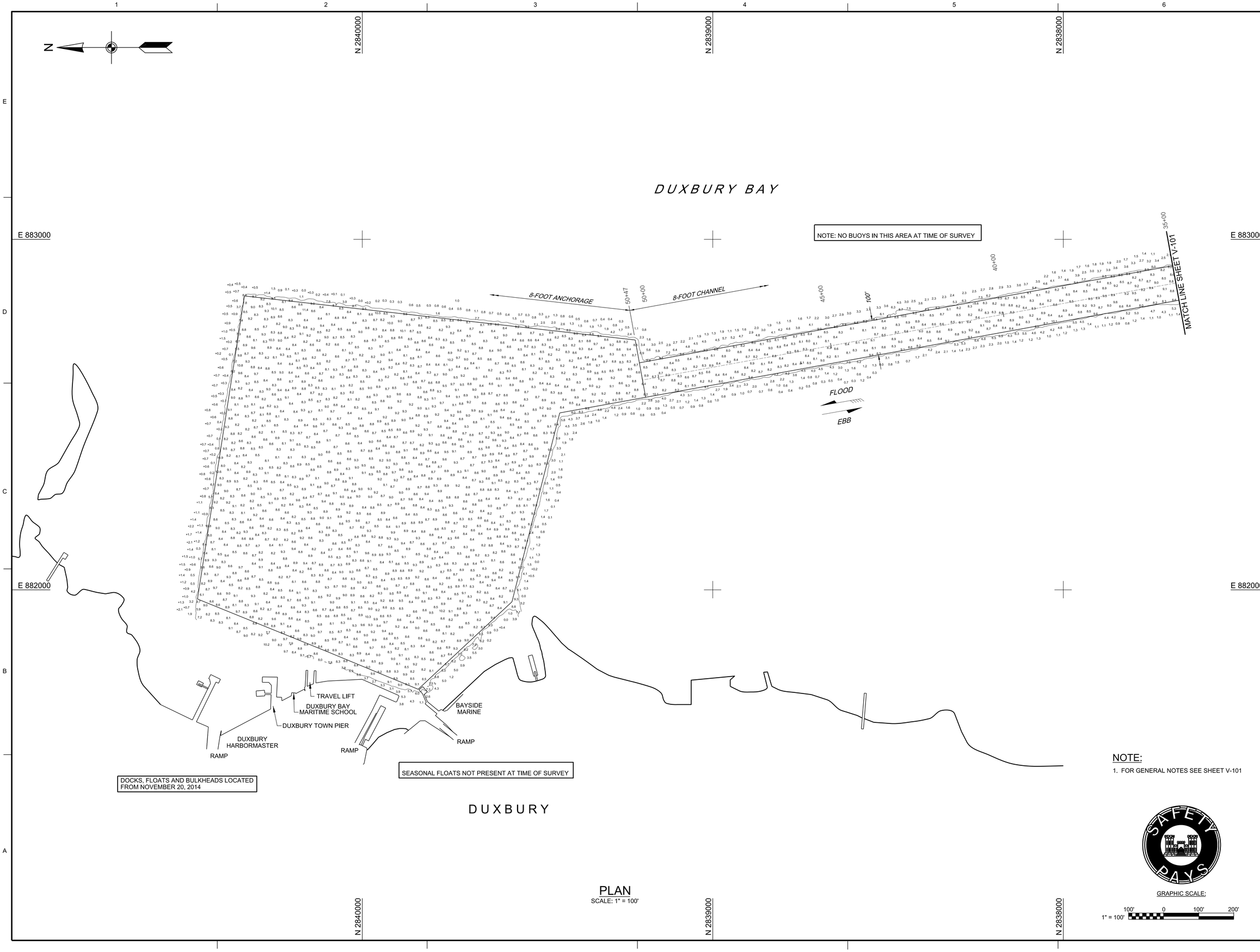
REVIEWED BY: Matthew Kelleher, Asst. Chief, Survey Section
SUBMITTED BY: Adrien Lussier, (PDR) Chief, Survey Section
DATE: February 18, 2016
DWN BY: JAB
CKD BY: JAB
DESIGN FILE: DUX-EL_VR-RAS.dgn
PLOT SCALE: 1:1
PLOT DATE: 02/09/2016
DRAWING CODE: DUX-ED
SIZE: ANSI F
FILE NAME: DUX-EL_V-101.dgn

DUXBURY HARBOR
DUXBURY, MASSACHUSETTS
AFTER DREDGE SURVEY

8-FOOT CHANNEL AND ANCHORAGE

SHEET IDENTIFICATION
V-101
SHEET 1 OF 2



PLAN

SCALE: 1" = 100'

NOTE:

1. FOR GENERAL NOTES SEE SHEET V-101

GRAPHIC SCALE:

1" = 100' 100' 0 100' 200'

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REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: (FOR) Chief, Survey Section
PLOT SCALE: 1:1
PLOT DATE: 02/08/2016
SIZE: ANSI F
FILE NAME: DUX-63_V-102.dgn
DATE: February 18, 2016
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CKD BY: AEB
DESIGN FILE: DUX-63_HP-MAS.dgn
DRAWING CODE: DUX-63

DUXBURY HARBOR
DUXBURY, MASSACHUSETTS
AFTER DREDGE SURVEY

8-FOOT CHANNEL AND ANCHORAGE

SHEET IDENTIFICATION
V-102
SHEET 2 OF 2