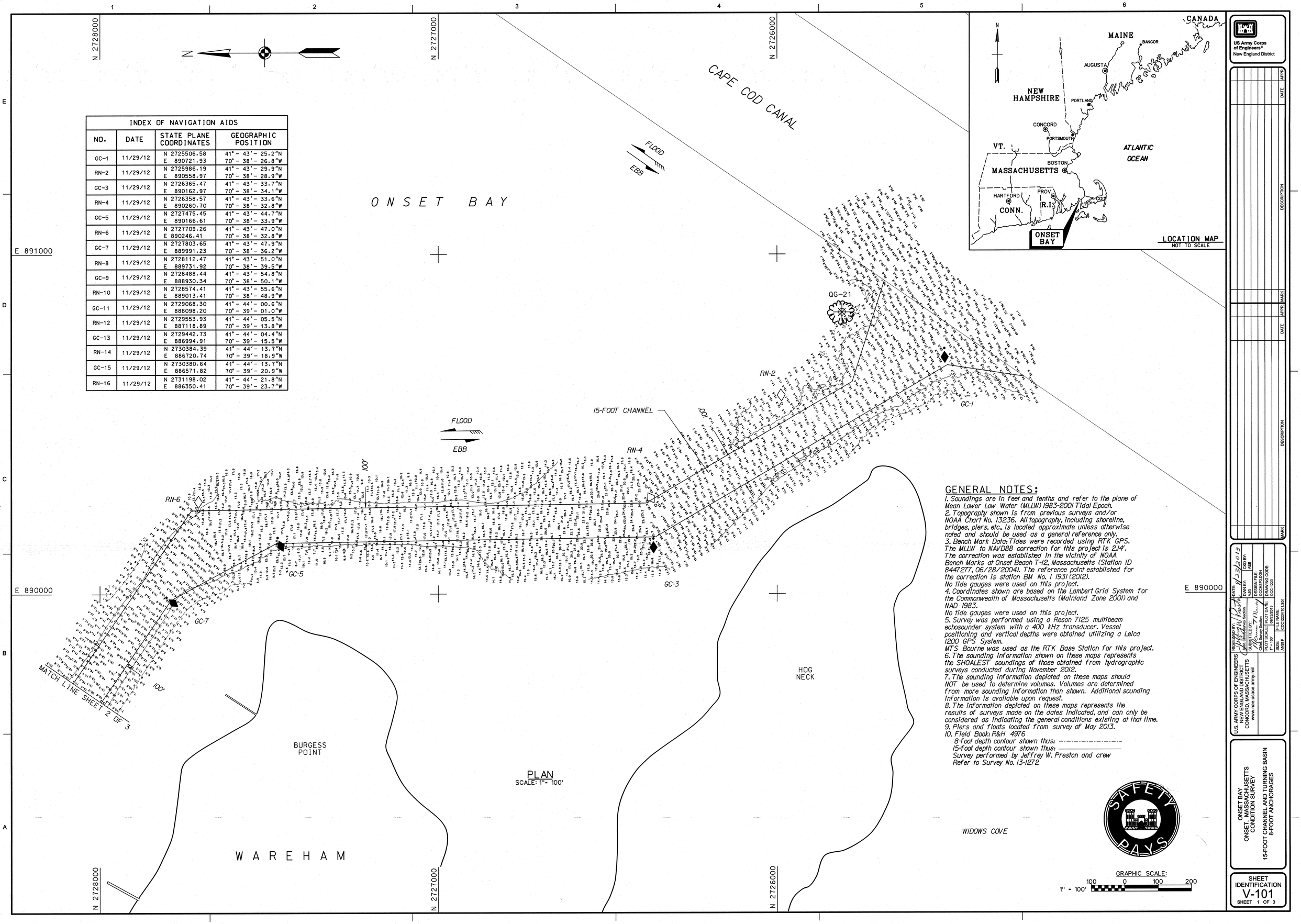
INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-1	11/29/12	N 2725506.58 E 890721.93	41° - 43′ - 25.2″N 70° - 38′ - 26.8″W
RN-2	11/29/12	N 2725986.19 E 890558.97	41° - 43′ - 29.9″N 70° - 38′ - 28.9″W
GC-3	11/29/12	N 2726365.47 E 890162.97	41° - 43′ - 33.7″N 70° - 38′ - 34.1″W
RN-4	11/29/12	N 2726358.57 E 890260.70	41° - 43′ - 33.6″N 70° - 38′ - 32.8″W
GC-5	11/29/12	N 2727475.45 E 890166.61	41° - 43′ - 44.7″N 70° - 38′ - 33.9″W
RN-6	11/29/12	N 2727709.26 E 890246.41	41° - 43′ - 47.0″N 70° - 38′ - 32.8″W
GC-7	11/29/12	N 2727803.65 E 889991.23	41° - 43′ - 47.9″N 70° - 38′ - 36.2″W
RN-8	11/29/12	N 2728112.47 E 889731.92	41° - 43′ - 51.0″N 70° - 38′ - 39.5″W
GC-9	11/29/12	N 2728488.44 E 888930.34	41° - 43′ - 54.8″N 70° - 38′ - 50.1″W
RN-10	11/29/12	N 2728574.41 E 889013.41	41° - 43′ - 55.6″N 70° - 38′ - 48.9″W
GC-11	11/29/12	N 2729068.30 E 888098.20	41° - 44′ - 00.6″N 70° - 39′ - 01.0″W
RN-12	11/29/12	N 2729553.93 E 887118.89	41° - 44′ - 05.5″N 70° - 39′ - 13.8″W
GC-13	11/29/12	N 2729442.73 E 886994.91	41° - 44′ - 04.4″N 70° - 39′ - 15.5″W
RN-14	11/29/12	N 2730384.39 E 886720.74	41° - 44′ - 13.7″N 70° - 39′ - 18.9″W
GC-15	11/29/12	N 2730380.64 E 886571.82	41° - 44′ - 13.7″N 70° - 39′ - 20.9″W
RN-16	11/29/12	N 2731198.02 E 886350.41	41° - 44′ - 21.8″N 70° - 39′ - 23.7″W



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: Tides were recorded using RTK GPS. The MLLW to NAVD88 correction for this project is 2.14'. The correction was established in the vicinity of NOAA Bench Marks at Onset Beach T-12, Massachusetts (Station ID 8447277, 06/28/2004). The reference point established for the correction is station BM No. 1 1931 (2012).
No tide gauges were used on this project.
4. Coordinates shown are based on the Lambert Grid System for the Commonwealth of Massachusetts (Mainland Zone 2001) and NAD 1983.
No tide gauges were used on this project.
5. Survey was performed using a Reson 7125 multibeam echosounder system with a 400 kHz transducer. Vessel positioning and vertical depths were obtained utilizing a Leica 1200 GPS System.
MTS Bourne was used as the RTK Base Station for this project.
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during November 2012.
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. Piers and floats located from survey of May 2013.
10. Field Book: R&H 4976
8-foot depth contour shown thus: - - - - - - - - - - - - - -
15-foot depth contour shown thus: ————————————
Survey performed by Jeffrey W. Preston and crew
Refer to Survey No. 13-1272

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MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

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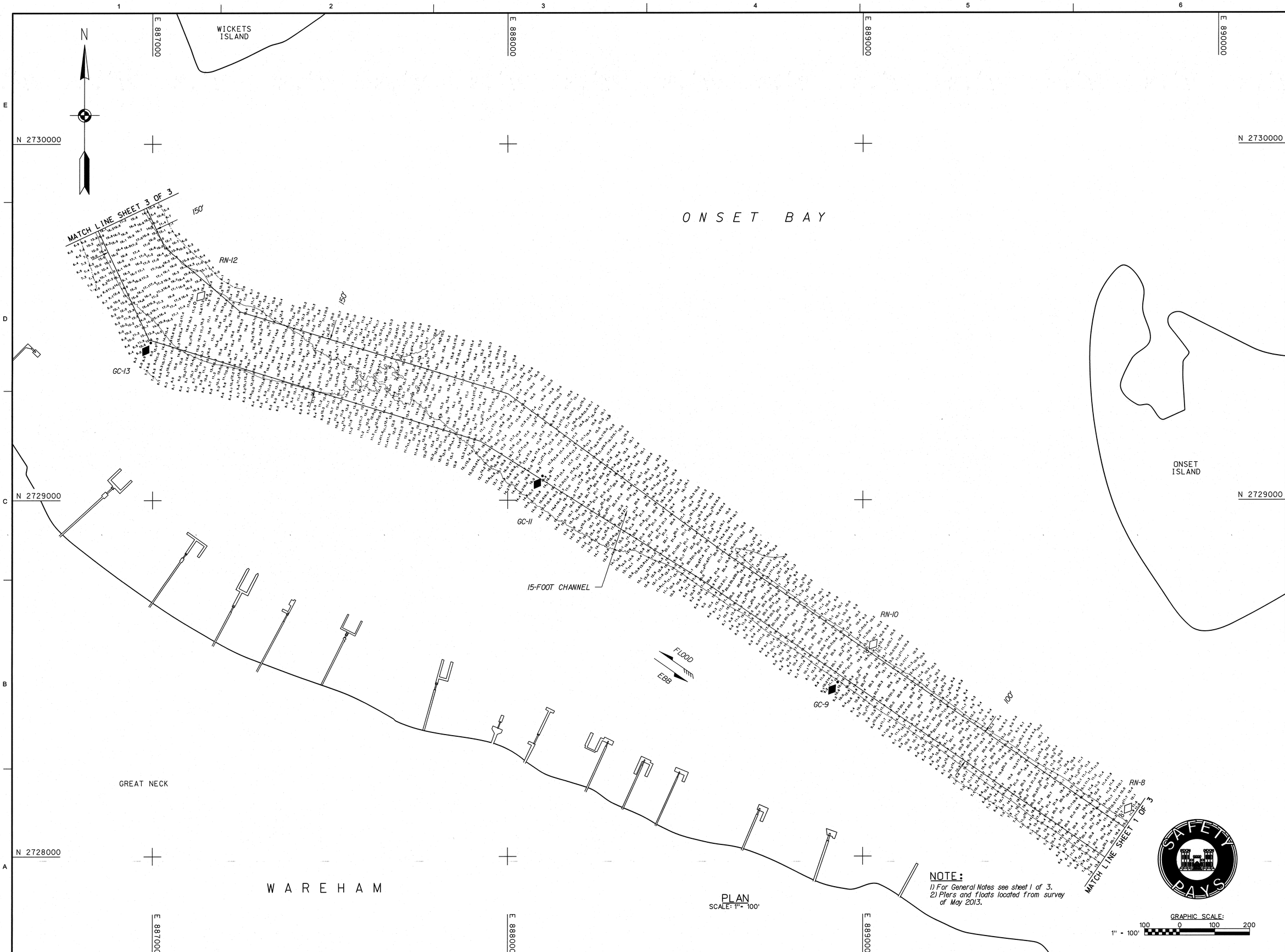
REVIEWED BY: Joel C. Chadwick, Survey Section
DATE: 12/23/2013
SUBMITTED BY: Carl Soderberg, Survey Section
DWN BY: VJG
CKD BY: AEB
DESIGN FILE: CCC-1223.dgn
PLOT SCALE: 1" = 100'
PLOT DATE: 06/20/2013
DRAWING CODE: CCC-1223
SIZE: ANSI D
FILE NAME: CCC1223V101.S01

ONSET BAY
ONSET, MASSACHUSETTS
CONDITION SURVEY

15-FOOT CHANNEL AND TURNING BASIN
8-FOOT ANCHORAGES

SHEET IDENTIFICATION
V-101
SHEET 1 OF 3



PLAN
SCALE: 1" = 100'

NOTE:
1) For General Notes see sheet 1 of 3.
2) Piers and floats located from survey of May 2013.

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MARK	DESCRIPTION	DATE	APPR.

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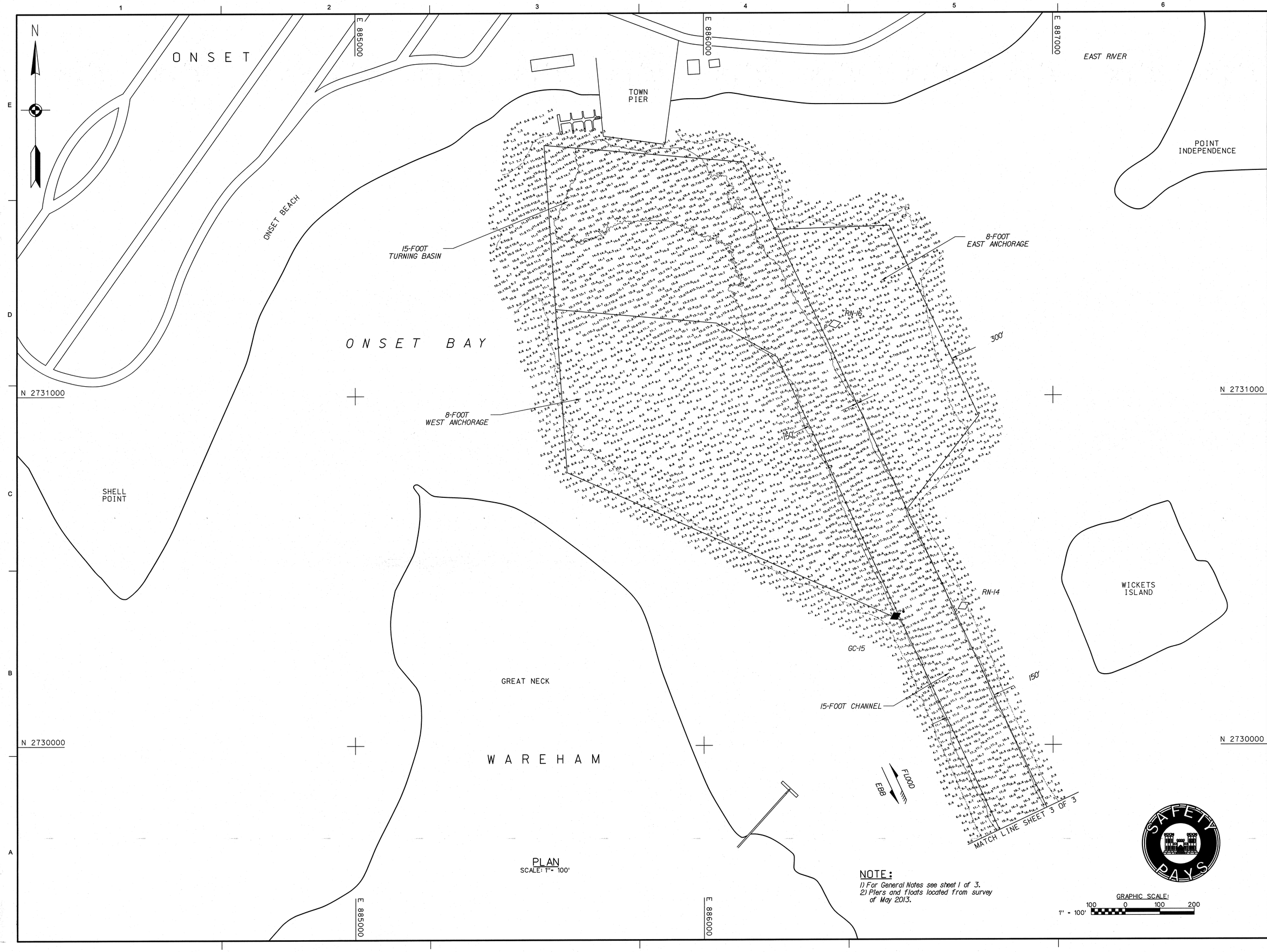
REVIEWED BY: Chief, Survey Section
DATE: 9/23/2013
SUBMITTED BY: Chief, Survey Section
DWN BY: VJG
CKD BY: AEB
DESIGN FILE: CCCHSP3.DGN
PLOT SCALE: 1" = 100'
PLOT DATE: 09/23/2013
DRAWING CODE: CCC-1223
SIZE: ANSI F
FILE NAME: CCC1223V102.S02

ONSET BAY
ONSET, MASSACHUSETTS
CONDITION SURVEY
15-FOOT CHANNEL AND TURNING BASIN
8-FOOT ANCHORAGES

SHEET IDENTIFICATION
V-102
SHEET 2 OF 3



PLAN
SCALE: 1" = 100'

NOTE:
1) For General Notes see sheet 1 of 3.
2) Piers and floats located from survey of May 2013.

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

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MARK	DESCRIPTION	DATE	APPR.

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REVIEWED BY: Kent Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 09/23/2013
SIZE: ANSI F
FILE NAME: CCC1223V103.S03
DATE: 9/23/2013
DWN BY: VJG
CKD BY: AEB
DESIGN FILE: CCCHSP3.DGN
DRAWING CODE: CCC-1223

ONSET BAY
ONSET, MASSACHUSETTS
CONDITION SURVEY
15-FOOT CHANNEL AND TURNING BASIN
8-FOOT ANCHORAGES

SHEET IDENTIFICATION
V-103
SHEET 3 OF 3