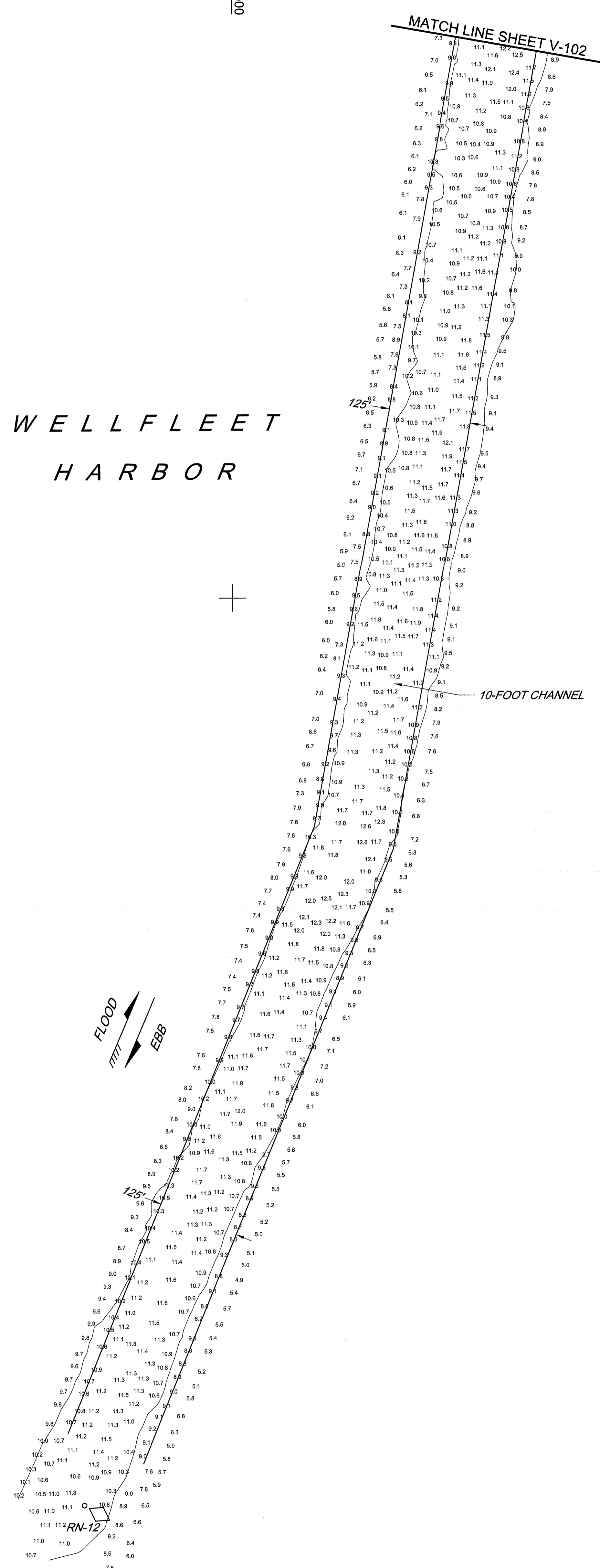


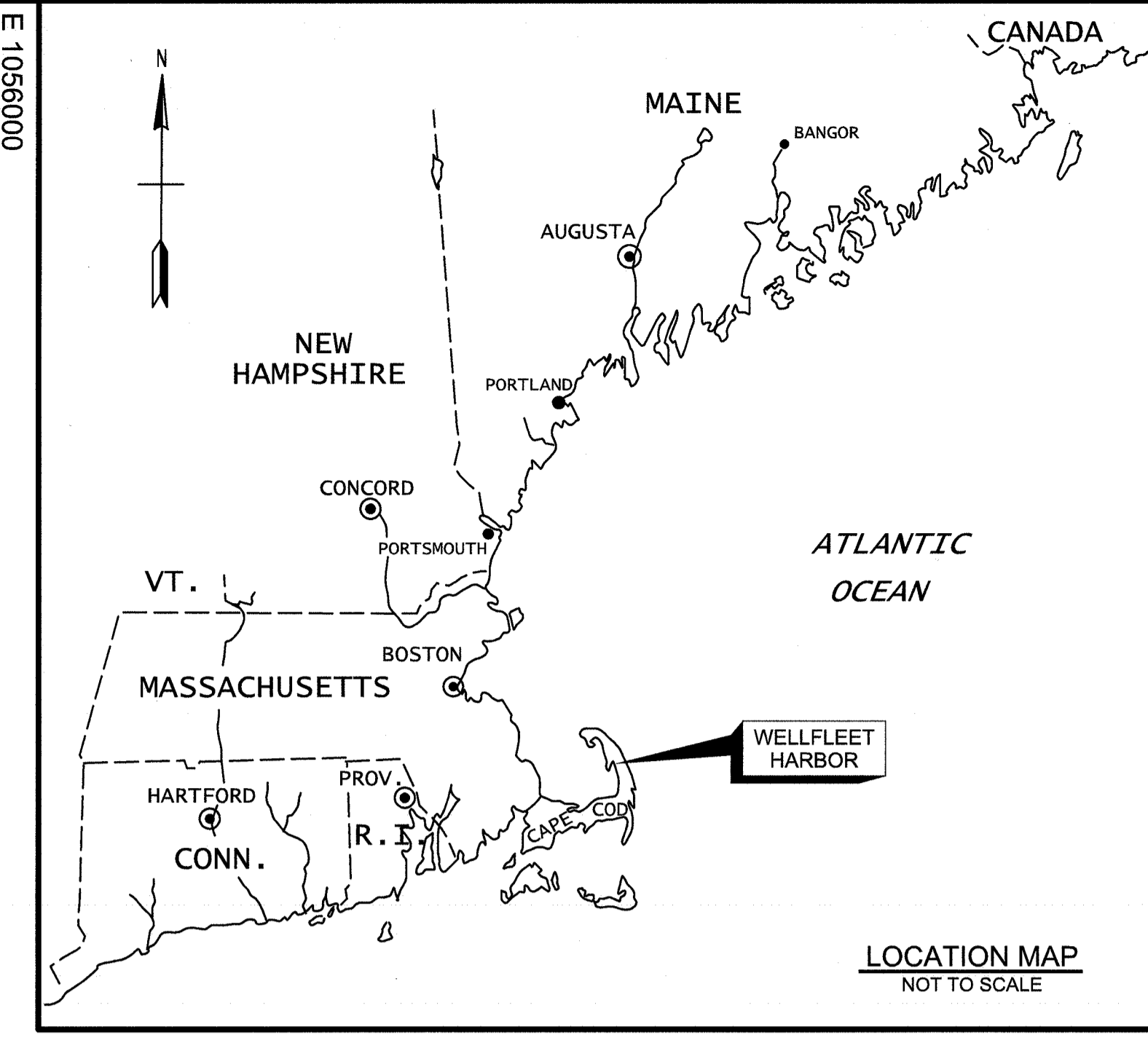
WELLFLEET HARBOR

WELLFLEET

INDIAN NECK



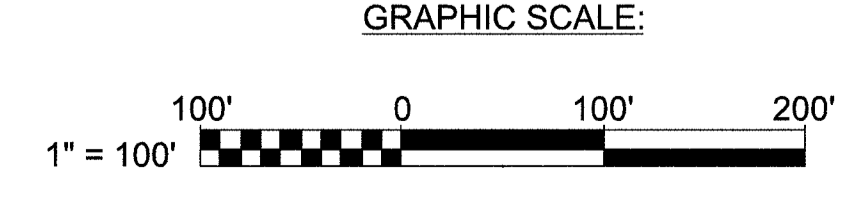
PLAN
SCALE: 1" = 100'




NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-12	4/02/15	N 2798807.08 E 1053769.34	41°-55'-05.4"N 70°-02'-20.5"W
GC-15	4/02/15	N 2801735.46 E 1054643.68	41°-55'-36.1"W 70°-02'-08.2"W
RN-16	4/02/15	N 2802252.05 E 1055606.47	41°-55'-41.1"N 70°-01'-55.3"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. 13250. 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 6.23 feet. The correction is referenced from NOAA's V-Datum Model in the vicinity of Wellfleet Harbor, Massachusetts. 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 average high tide is 10.0 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 Odom MK 3 Echo Sounder operating at 200 kHz. Horizontal positioning and real time tide readings were recorded utilizing a Leica 1200 RTK GPS System. The RTK base station used was MTS Orleans.
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during April 2015.
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 conditions existing at that time.
9. Field Book: R&H 3909
- 10-Foot depth contour shown thus:
- Surveyed by: Paul K. O'Brien and crew
- Refer to Survey No. 15-1357





US Army Corps of Engineers
New England District

DATE	DESCRIPTION	DATE	APPR. MARK

REVISIONS BY: *John P. O'Brien*

DATE: 5/18/2015

DESIGNED BY: *John P. O'Brien*

DRAWN BY: *John P. O'Brien*

CHECKED BY: *John P. O'Brien*

APPROVED BY: *John P. O'Brien*

PROJECT: WELLFLEET HARBOR

PROJECT NO: 15-1357

DRAWING CODE: 10-FOOT CHANNEL

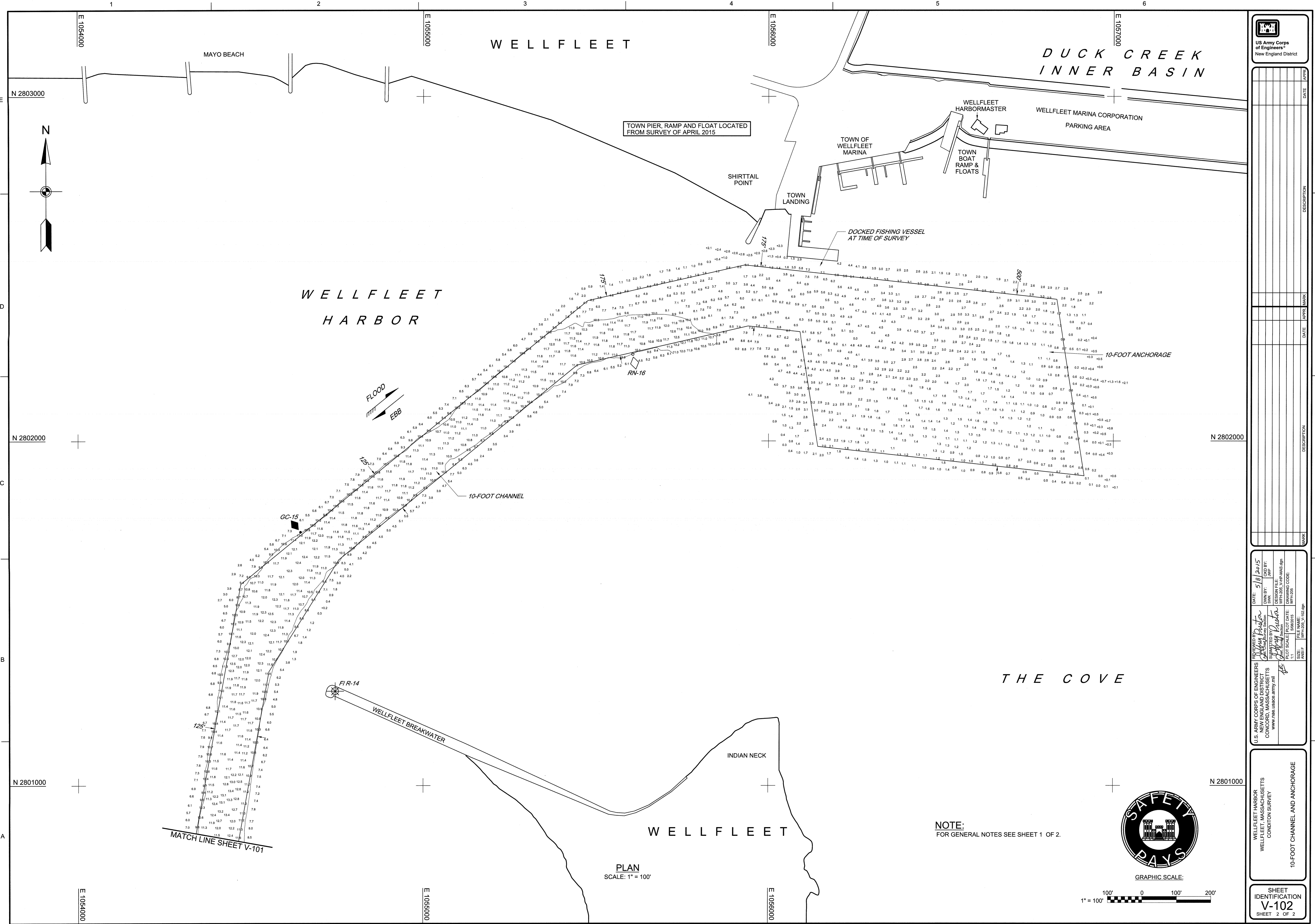
SCALE: 1" = 100'

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

WELLFLEET HARBOR
WELLFLEET, MASSACHUSETTS
CONDITION SURVEY

10-FOOT CHANNEL AND ANCHORAGE

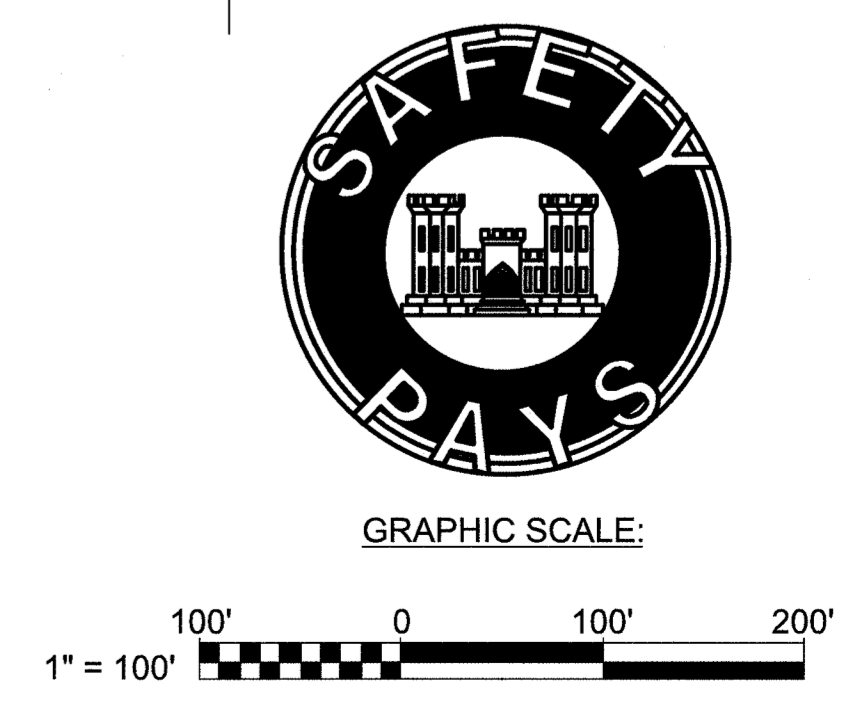
SHEET IDENTIFICATION
V-101
 SHEET 1 OF 2



APPROVAL	
DATE	DESCRIPTION

U.S. ARMY CORPS OF ENGINEERS CONCORD, MASSACHUSETTS www.nae.usace.army.mil	REVIEWED BY: DATED: 5/8/2015 DESIGNED BY: CHECKED BY: PLOTTING BY: DRAWING CODE: WFT-205-V-102-APP PLOT SCALE: PLOT DATE: DATE: 5/1/2015 TIME: 11:00 AM USER: WFT-205-V-102-APP
WELLFLEET HARBOR WELLFLEET/MASSACHUSETTS CONDITION SURVEY	10-FOOT CHANNEL AND ANCHORAGE
SHEET IDENTIFICATION V-102 SHEET 2 OF 2	

NOTE:
FOR GENERAL NOTES SEE SHEET 1 OF 2.



PLAN
SCALE: 1" = 100'