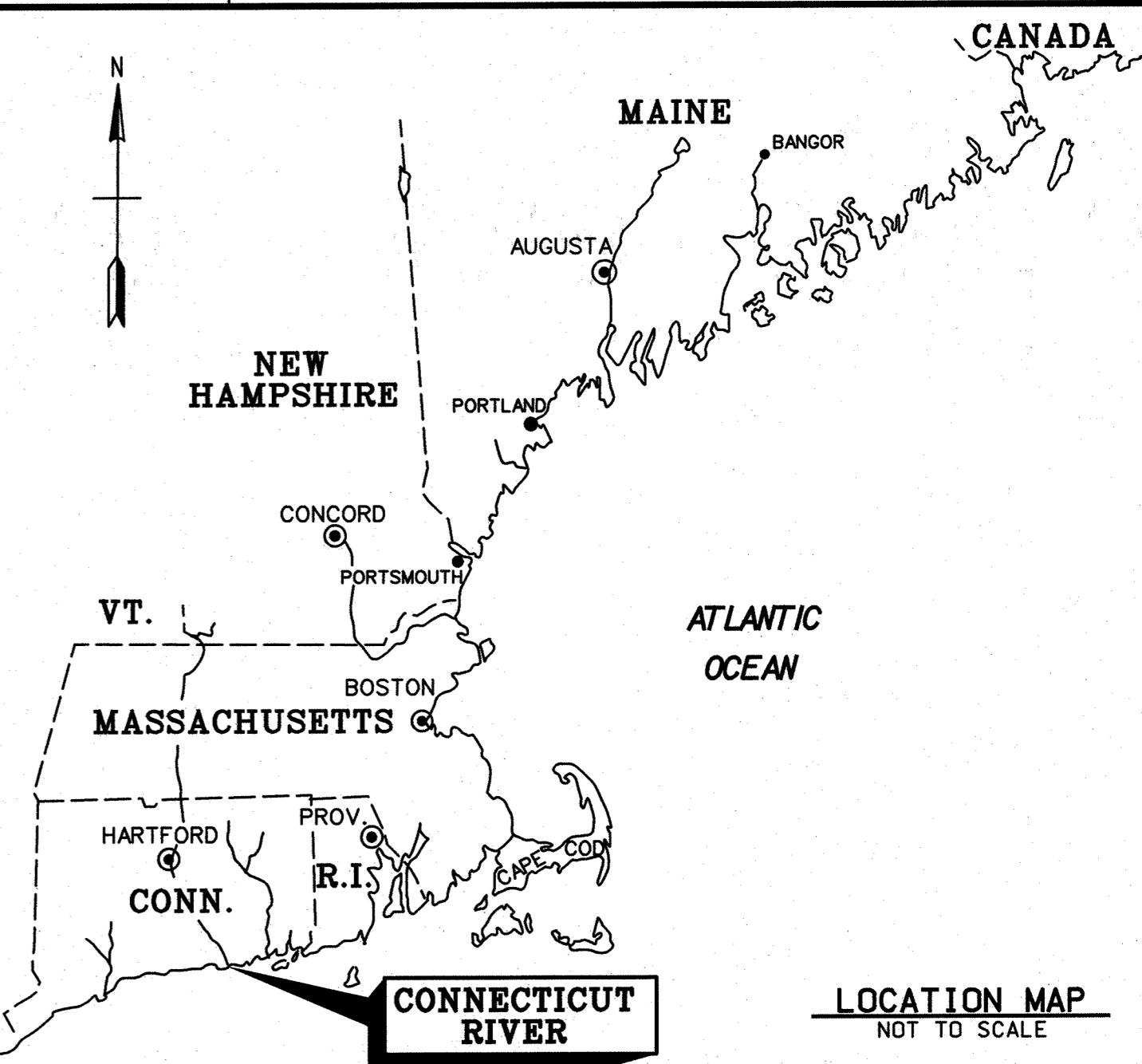


APPROXIMATE LOCATION OF SCOUR PROTECTION AND RIP-RAP ASSOCIATED WITH ROUTE 91 BRIDGE ENCROACHES ON FEDERAL CHANNEL AS REPORTED BY CONTRACTOR DURING 2014 DREDGING OPERATIONS

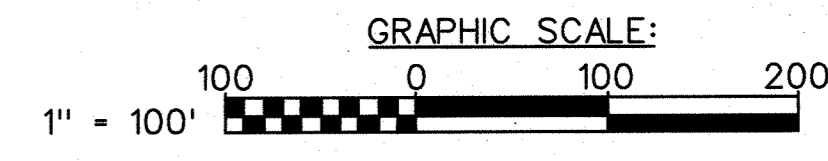
ABANDONED SEWER LINE (2014 DREDGING CONTRACTOR REPORTS ELEVATION AT 6.0' +/- 0.3' BELOW MLLW)



NO.	DATE	APPRO.	MARKS	DESCRIPTION

- GENERAL NOTES:**
- 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.
 - Topography shown is from previous surveys and/or NOAA Chart No. 12378. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
 - Bench Mark Data: Tides were recorded using RTK GPS. A Hypack KTD file was created from MLLW to NAVD88; corrections established or published in the vicinity of NOAA Bench Marks at Middletown (Station ID: 8464336, 06/23/2003), Rocky Hill (Station ID: 8464255, 05/16/2003), and South Hartford (Station ID: 8464418, 02/05/2005). The corrections are 0.61 foot for Middletown, 0.14 foot for Rocky Hill, and 0.02 foot for South Hartford. NAVD88 is above MLLW, therefore corrections should be added to NAVD88 to convert to MLLW.
 - No tide gauges were used on this project. Average range of tides is 1.9 feet.
 - Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
 - Survey was performed using an R2 Sonic MultiBeam Sonar System operating at 300 kHz. Horizontal positioning and real time tides were recorded utilizing a Leica 1200 RTK GPS System. The RTK base station was set up on Station Charter (2009).
 - The sounding information shown on these charts represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during April 2014.
 - The sounding information depicted on these charts should NOT be used to determine volumes. Volumes are determined from more sounding information than shown. Additional sounding information is available upon request.
 - The information depicted on these charts represents the results of surveys made on the dates indicated, and can only be considered as indicating the general conditions existing at that time.
 - Field Book: R&H 4535
- 6-Foot depth contour shown thus:
 Surveyed by: Robert MacGovern and crew
 Refer to Survey No. 14-1309

PLAN
SCALE: 1" = 100'



REVIEWED BY: <i>R. MacGovern</i> DATE: 4/23/2014 SUBMITTED BY: <i>R. MacGovern</i> DESIGNED BY: <i>R. MacGovern</i> PLANT SCALE: 1" = 100' FILE NAME: C:\BROW\101309	DATE: 4/23/2014 TOWN BY: <i>R. MacGovern</i> DRAWING NO.: <i>14-1309</i> PROJECT NO.: <i>14-1309</i> PROJECT NAME: <i>WETHERSFIELD COVE AFTER-DREDGE SURVEY 6-FOOT CHANNEL AND ANCHORAGE</i>
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 CONNECTICUT RIVER, BELOW HARTFORD
 SAYBROOK TO HARTFORD, CT
 WETHERSFIELD COVE
 AFTER-DREDGE SURVEY
 6-FOOT CHANNEL AND ANCHORAGE
 SHEET IDENTIFICATION
V-101
 SHEET 1 OF 1