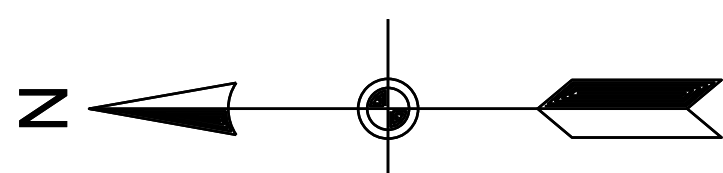
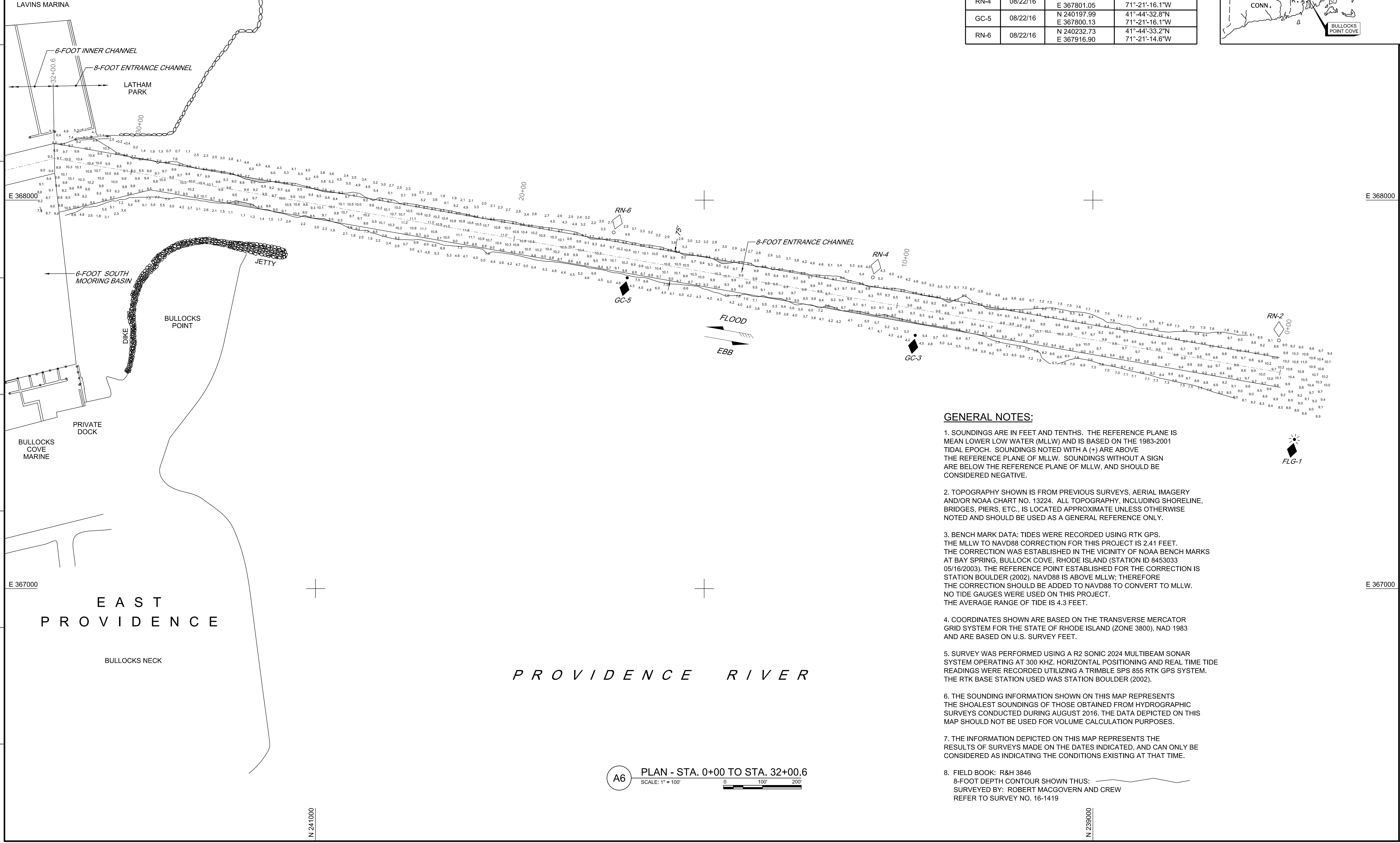
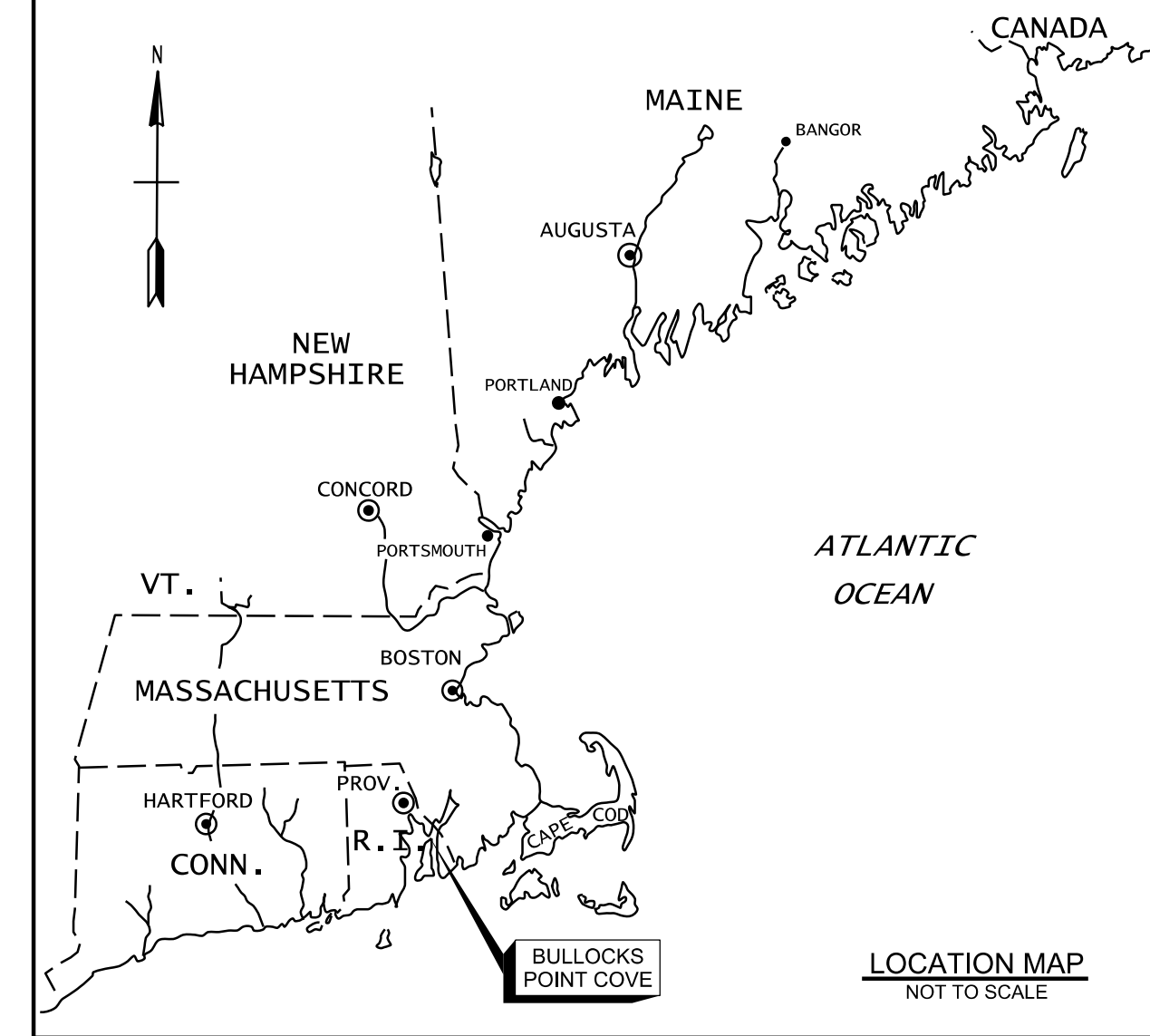


WEST BARRINGTON

BAY SPRING



| INDEX OF NAVIGATION AIDS | | | |
|--------------------------|----------|----------------------------|----------------------------------|
| NO. | DATE | STATE PLANE COORDINATES | GEOGRAPHIC POSITION |
| FL G-1 | 08/22/16 | N 238481.44 E 367384.08 | 41°-44'-15.9"N 71°-21'-21.6"W |
| RN-2 | 08/22/16 | N 238521.46 E 367638.86 | 41°-44'-16.3"N 71°-21'-18.3"W |
| GC-3 | 08/22/16 | N 239457.03 E 367651.91 | 41°-44'-25.5"N 71°-21'-18.1"W |
| RN-4 | 08/22/16 | N 239566.11 E 367801.05 | 41°-44'-26.8"N 71°-21'-16.1"W |
| GC-5 | 08/22/16 | N 240197.99 E 367800.13 | 41°-44'-32.8"N 71°-21'-16.1"W |
| RN-6 | 08/22/16 | N 240232.73 E 367916.90 | 41°-44'-33.2"N 71°-21'-14.6"W |



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. SOUNDINGS WITHOUT A SIGN ARE BELOW THE REFERENCE PLANE OF MLLW, AND SHOULD BE CONSIDERED NEGATIVE.
- TOPOGRAPHY SHOWN IS FROM PREVIOUS SURVEYS, AERIAL IMAGERY AND/OR NOAA CHART NO. 13224. 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. THE MLLW TO NAVD88 CORRECTION FOR THIS PROJECT IS 2.41 FEET. THE CORRECTION WAS ESTABLISHED IN THE VICINITY OF NOAA BENCH MARKS AT BAY SPRING, BULLOCK COVE, RHODE ISLAND (STATION ID 8453033 05/16/2003). THE REFERENCE POINT ESTABLISHED FOR THE CORRECTION IS STATION BOULDER (2002). 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 RANGE OF TIDE IS 4.3 FEET.
- COORDINATES SHOWN ARE BASED ON THE TRANSVERSE MERCATOR GRID SYSTEM FOR THE STATE OF RHODE ISLAND (ZONE 3800), NAD 1983 AND ARE BASED ON U.S. SURVEY FEET.
- SURVEY WAS PERFORMED USING AN R2 SONIC 2024 MULTIBEAM SONAR SYSTEM OPERATING AT 300 KHZ. HORIZONTAL POSITIONING AND REAL TIME TIDE READINGS WERE RECORDED UTILIZING A TRIMBLE SPS 855 RTK GPS SYSTEM. THE RTK BASE STATION USED WAS STATION BOULDER (2002).
- THE SOUNDING INFORMATION SHOWN ON THIS MAP REPRESENTS THE SHOALEST SOUNDINGS OF THOSE OBTAINED FROM HYDROGRAPHIC SURVEYS CONDUCTED DURING AUGUST 2016. THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED, AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME.
- FIELD BOOK: R&H 3846
8-FOOT DEPTH CONTOUR SHOWN THUS:
SURVEYED BY: ROBERT MACGOVERN AND CREW
REFER TO SURVEY NO. 16-1419

A6 PLAN - STA. 0+00 TO STA. 32+00.6
SCALE: 1" = 100'

US Army Corps of Engineers

| MARK | DESCRIPTION | DATE |
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ISSUE DATE: SEPTEMBER 8, 2016
 C&B BY: DUB
 DWN BY: SWK
 REVIEWED BY: Asst. Chief, Survey Sec.
 U.S. ARMY CORPS OF ENGINEERS
 NEW ENGLAND DISTRICT
 686 VIRGINIA ROAD
 CONCORD, MA 01742-2751
 DRAWING CODE: SHEET 1 OF 1
 SIZE: 11
 ANS I

BULLOCKS POINT COVE
 BARRINGTON AND EAST PROVIDENCE
 CONDITION SURVEY

8-FOOT CHANNEL

SHEET ID
V-101