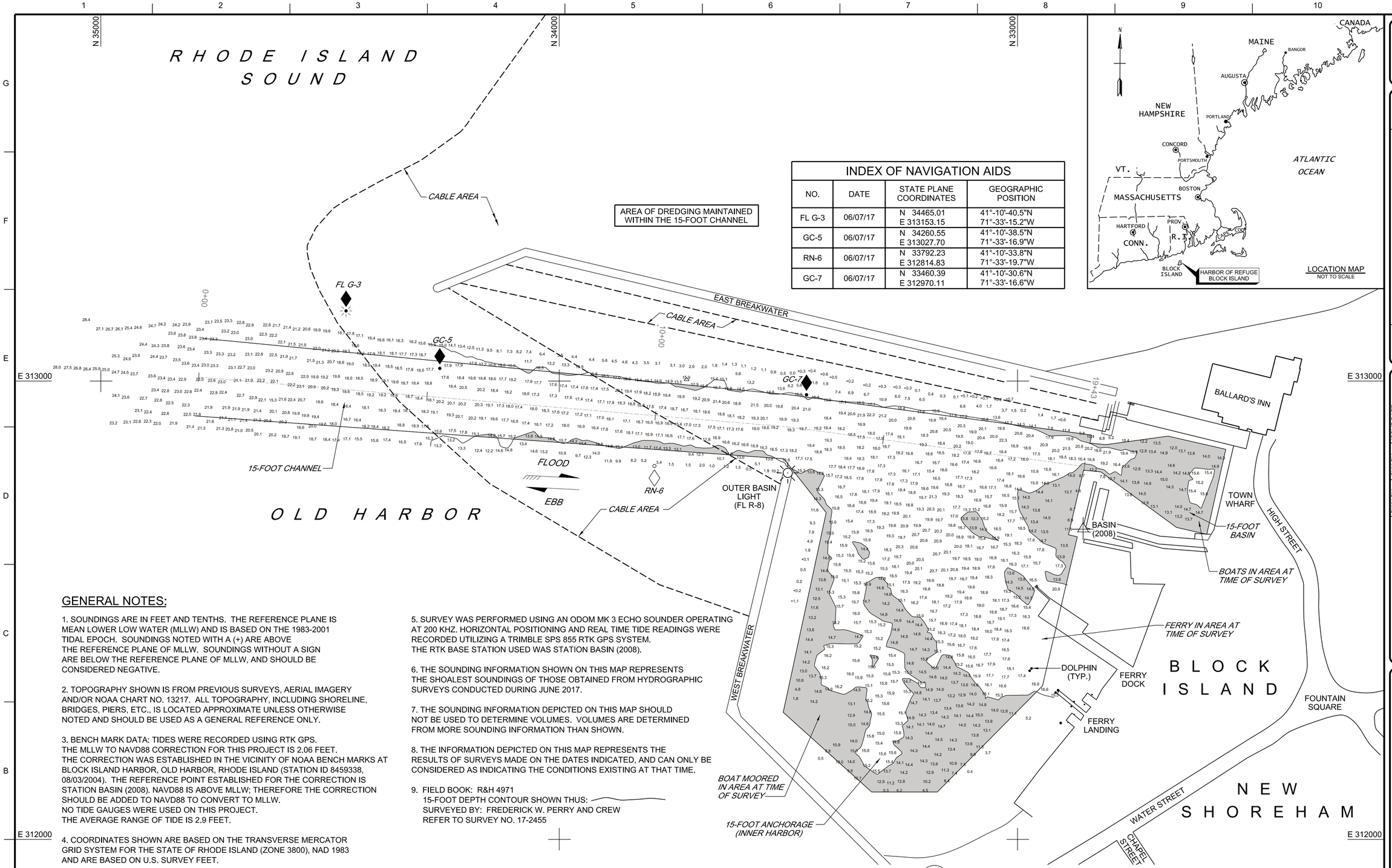

AREA OF DREDGING MAINTAINED WITHIN THE 15-FOOT CHANNEL

INDEX OF NAVIGATION AIDS

NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
FL G-3	06/07/17	N 34465.01 E 313153.15	41°-10'-40.5"N 71°-33'-15.2"W
GC-5	06/07/17	N 34260.55 E 313027.70	41°-10'-38.5"N 71°-33'-16.9"W
RN-6	06/07/17	N 33792.23 E 312814.83	41°-10'-33.8"N 71°-33'-19.7"W
GC-7	06/07/17	N 33460.39 E 312970.11	41°-10'-30.6"N 71°-33'-16.6"W

LOCATION MAP
NOT TO SCALE

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. 13217. 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 2.06 FEET. THE CORRECTION WAS ESTABLISHED IN THE VICINITY OF NOAA BENCH MARKS AT BLOCK ISLAND HARBOR, OLD HARBOR, RHODE ISLAND (STATION ID 8459338, 08/03/2004). THE REFERENCE POINT ESTABLISHED FOR THE CORRECTION IS STATION BASIN (2008). 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 2.9 FEET.

4. 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.

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 TRIMBLE SPS 855 RTK GPS SYSTEM. THE RTK BASE STATION USED WAS STATION BASIN (2008).

6. THE SOUNDING INFORMATION SHOWN ON THIS MAP REPRESENTS THE SHOALEST SOUNDINGS OF THOSE OBTAINED FROM HYDROGRAPHIC SURVEYS CONDUCTED DURING JUNE 2017.

7. THE SOUNDING INFORMATION DEPICTED ON THIS MAP SHOULD NOT BE USED TO DETERMINE VOLUMES. VOLUMES ARE DETERMINED FROM MORE SOUNDING INFORMATION THAN SHOWN.

8. 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.

9. FIELD BOOK: R&H 4971
15-FOOT DEPTH CONTOUR SHOWN THUS:
SURVEYED BY: FREDERICK W. PERRY AND CREW
REFER TO SURVEY NO. 17-2455

A5 PLAN - STA. 0+00 TO STA. 19+43
SCALE: 1" = 100'
0 100' 200'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DWN BY: SWK
CHK BY: WHW
REVIEWED BY: WALKER,WILLIAM.A.1...
Asst. Chief, Survey Sec.
APPROVED BY: ...
Chief, Survey Section
SIZE: ANSI D
ISSUE DATE: JUNE 21, 2017
DRAWING CODE: BIR-244
SHEET 1 OF 1
SCALE: 1:1

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
696 VIRGINIA ROAD
CONCORD, MA 01742-2751

HARBOR OF REFUGE
BLOCK ISLAND, RHODE ISLAND
GOVERNMENT AFTER DREDGE / CONDITION SURVEY

15-FOOT CHANNEL, ANCHORAGE AND BASIN

SHEET ID
V-101