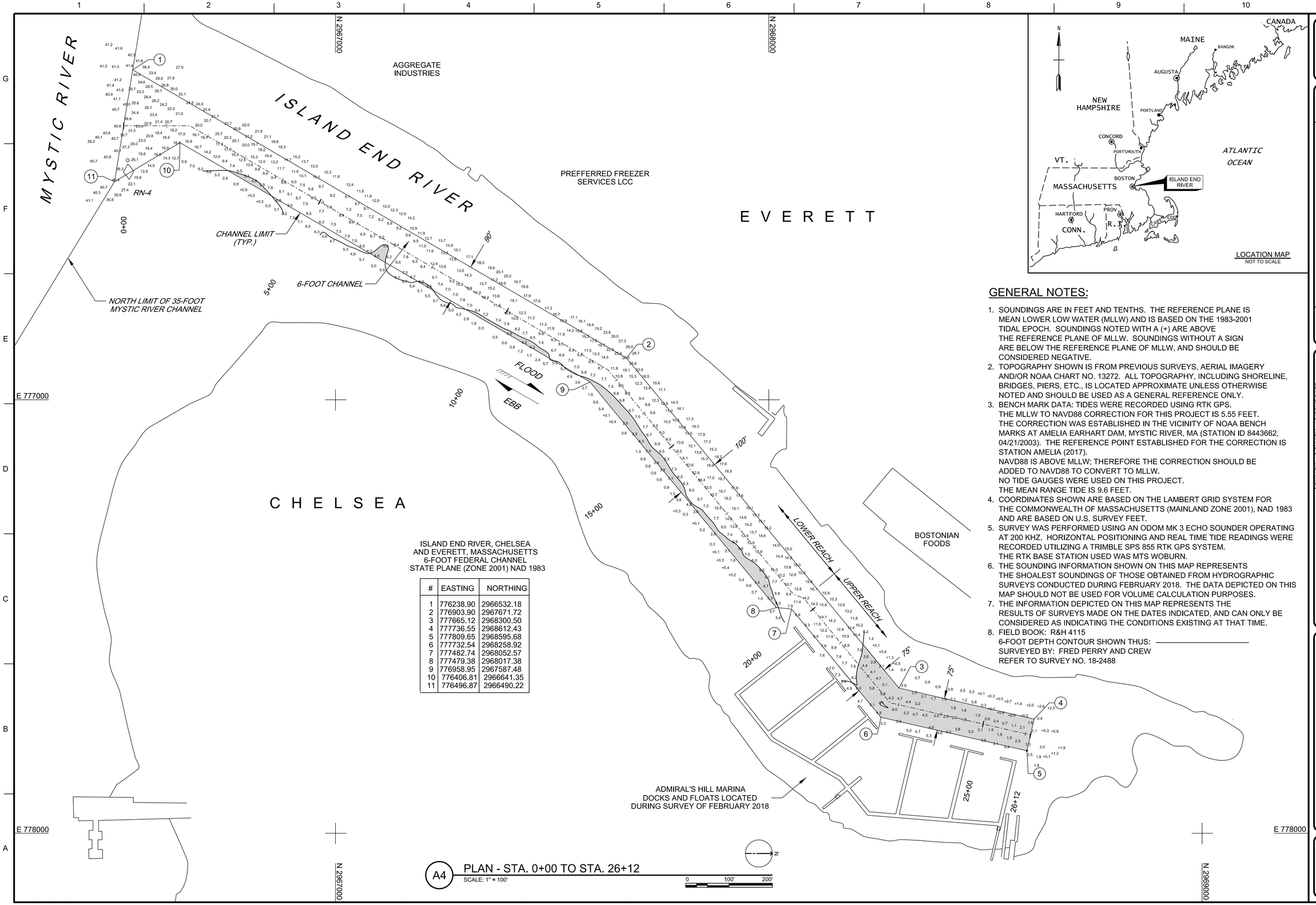

LOCATION MAP
NOT TO SCALE

ISLAND END RIVER, CHELSEA
AND EVERETT, MASSACHUSETTS
6-FOOT FEDERAL CHANNEL
STATE PLANE (ZONE 2001) NAD 1983

#	EASTING	NORTHING
1	776238.90	2966532.18
2	776903.90	2967671.72
3	777665.12	2968300.50
4	777736.55	2968612.43
5	777809.65	2968595.68
6	777732.54	2968258.92
7	777482.74	2968052.57
8	777479.38	2968017.38
9	776958.95	2967587.48
10	776406.81	2966641.35
11	776496.87	2966490.22

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. 13272. 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 5.55 FEET.
   THE CORRECTION WAS ESTABLISHED IN THE VICINITY OF NOAA BENCH MARKS AT AMELIA EARHART DAM, MYSTIC RIVER, MA (STATION ID 8443662, 04/21/2003). THE REFERENCE POINT ESTABLISHED FOR THE CORRECTION IS STATION AMELIA (2017).
   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 MEAN RANGE TIDE IS 9.6 FEET.
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 TRIMBLE SPS 855 RTK GPS SYSTEM.
   THE RTK BASE STATION USED WAS MTS WOBURN.
6. THE SOUNDING INFORMATION SHOWN ON THIS MAP REPRESENTS THE SHOALEST SOUNDINGS OF THOSE OBTAINED FROM HYDROGRAPHIC SURVEYS CONDUCTED DURING FEBRUARY 2018. THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
7. 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.
8. FIELD BOOK: R&H 4115
   6-FOOT DEPTH CONTOUR SHOWN THUS: ————————
   SURVEYED BY: FRED PERRY AND CREW
   REFER TO SURVEY NO. 18-2488

A4 PLAN - STA. 0+00 TO STA. 26+12
SCALE: 1" = 100'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DWN BY: WHW | CHK BY: DJB
REVIEWED BY: Digitally signed by APPLE ID (EATHOR.ROSE.1398466007) Date: 2018.03.22 08:46:10 -04'00'
Asst. Chief, Survey Sec.
APPROVED BY: Digitally signed by APPLE ID (EATHOR.ROSE.1398466007) Date: 2018.03.22 08:46:10 -04'00'
Asst. Chief, Survey Section

ISSUE DATE: MARCH 21, 2018
SOLICITATION NO.:
CONTRACT NO.:
DRAWING CODE: ISL-7
SHEET 1 OF 1
SIZE: ANSI D
SCALE: 1:1

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

ISLAND END RIVER
CHELSEA, MASSACHUSETTS
CONDITION SURVEY

6-FOOT CHANNEL

SHEET ID
V-101