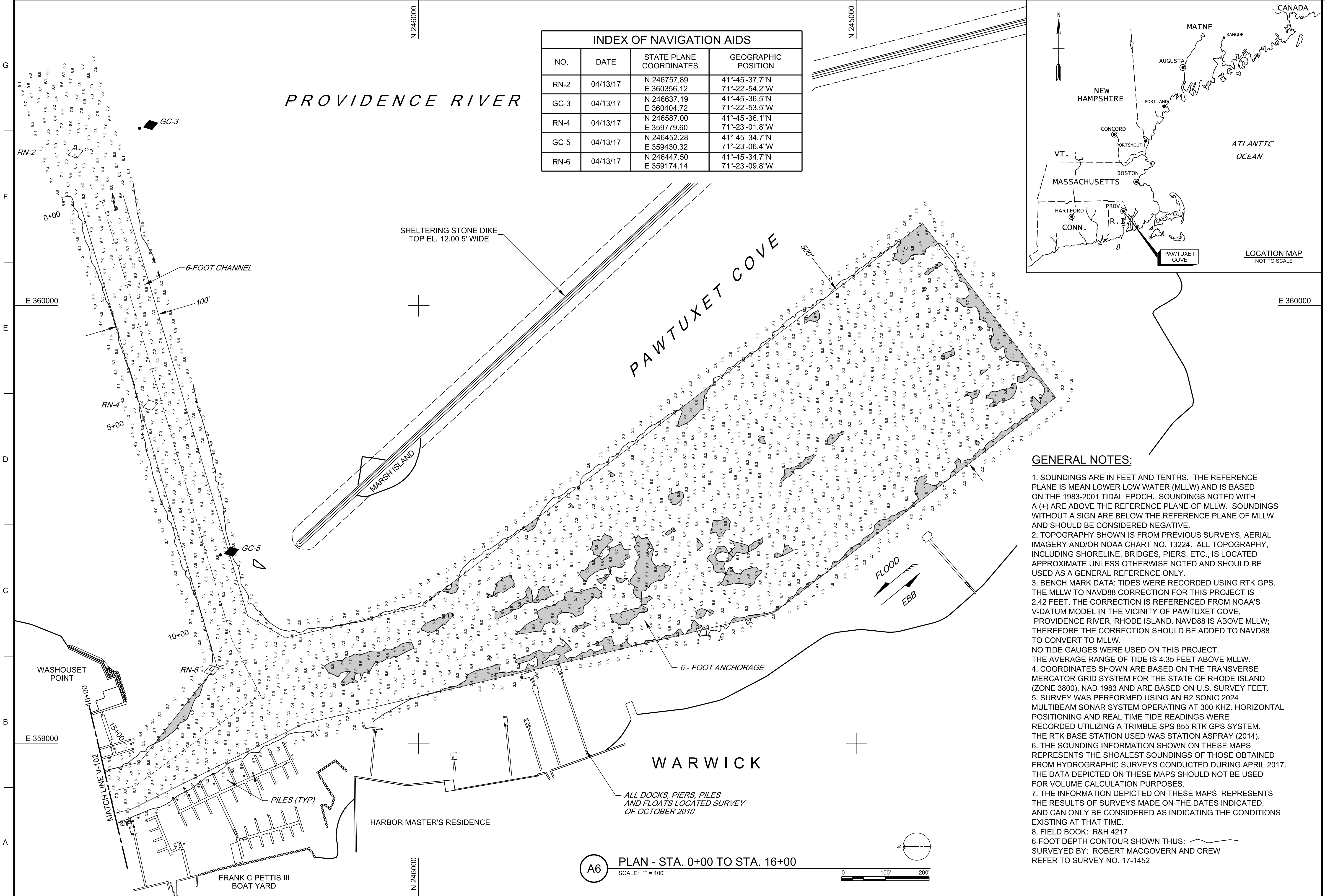
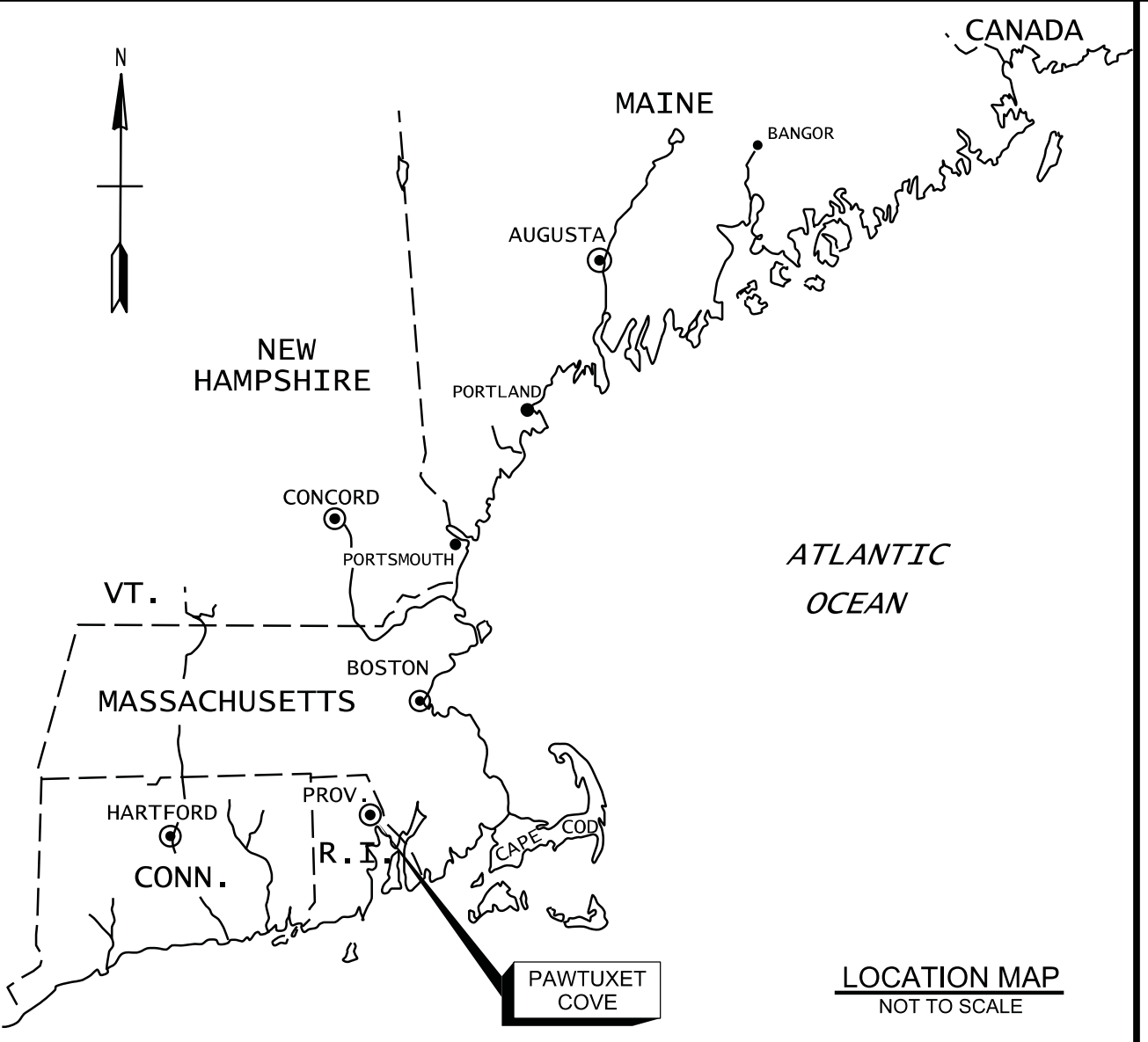


INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-2	04/13/17	N 246757.89 E 360356.12	41°-45'-37.7"N 71°-22'-54.2"W
GC-3	04/13/17	N 246637.19 E 360404.72	41°-45'-36.5"N 71°-22'-53.5"W
RN-4	04/13/17	N 246587.00 E 359779.60	41°-45'-36.1"N 71°-23'-01.8"W
GC-5	04/13/17	N 246452.28 E 359430.32	41°-45'-34.7"N 71°-23'-06.4"W
RN-6	04/13/17	N 246447.50 E 359174.14	41°-45'-34.7"N 71°-23'-09.8"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. 13224. 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 2.42 FEET. THE CORRECTION IS REFERENCED FROM NOAA'S V-DATUM MODEL IN THE VICINITY OF PAWTUXET COVE, PROVIDENCE RIVER, RHODE ISLAND. 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 4.35 FEET ABOVE MLLW.
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 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 ASPRAY (2014).
6. THE SOUNDING INFORMATION SHOWN ON THESE MAPS REPRESENTS THE SHOALEST SOUNDINGS OF THOSE OBTAINED FROM HYDROGRAPHIC SURVEYS CONDUCTED DURING APRIL 2017. THE DATA DEPICTED ON THESE MAPS SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
7. 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.
8. FIELD BOOK: R&H 4217

6-FOOT DEPTH CONTOUR SHOWN THUS:  
SURVEYED BY: ROBERT MACGOVERN AND CREW  
REFER TO SURVEY NO. 17-1452

**A6 PLAN - STA. 0+00 TO STA. 16+00**  
SCALE: 1" = 100'

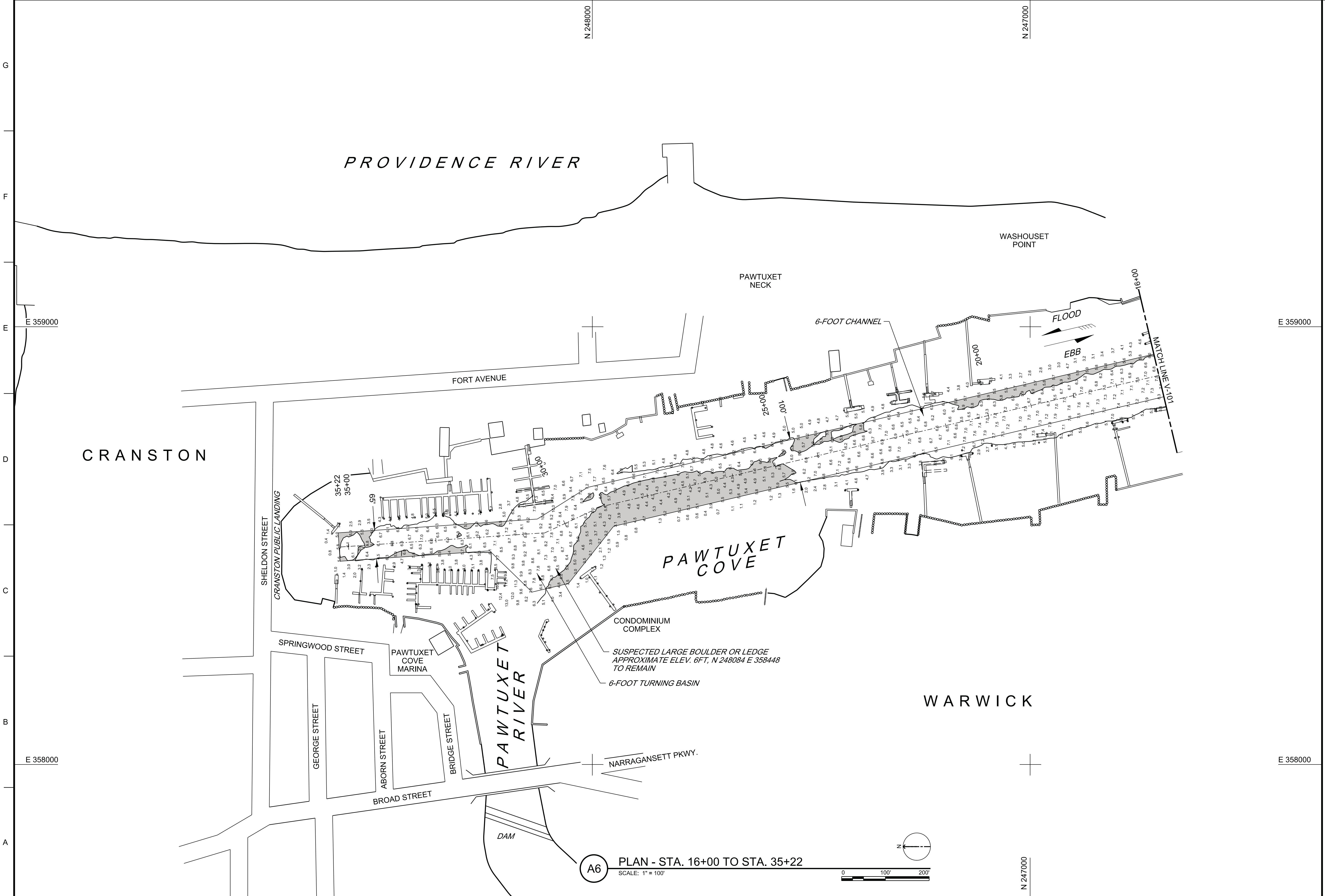
ISSUE DATE: JUNE 15, 2017	DATE:
CHK BY: AEB	SOLICITATION NO.:
DESIGNED BY: W. J. MURPHY	CONTRACT NO.:
DRAWN BY: W. J. MURPHY	DRAWING CODE: PMT-33
APPROVED BY: W. J. MURPHY	SHEET 1 OF 2
U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT 696 VIRGINIA ROAD CONCORD, MA 01742-2751	SCALE: 1" = 100'
PAWTUXET COVE CRANSTON AND WARWICK, RHODE ISLAND CONDITION SURVEY	DESCRIPTION:
6-FOOT CHANNEL, TURNING BASIN AND ANCHORAGE	MARK:
SHEET ID <b>V-101</b>	

PROVIDENCE RIVER

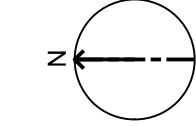
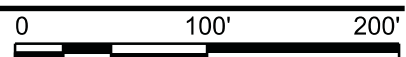
CRANSTON

PAWTUXET COVE

WARWICK



A6 PLAN - STA. 16+00 TO STA. 35+22  
SCALE: 1" = 100'



US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DWN BY: EJA	CHK BY: AEB	ISSUE DATE: JUNE 15, 2017	CONTRACT NO.:
REVIEW BY: WALTER HANCOCK	ASST. CHIEF SURVEY SEC.	SOLICITATION NO.:	DRAWING CODE: PWT-33
APPROVED BY: WALTER HANCOCK	FOR CHIEF SURVEY SECTION	SHEET 2 OF 2	SCALE: 1:1

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

PAWTUXET COVE  
CRANSTON AND WARWICK, RHODE ISLAND  
CONDITION SURVEY

6-FOOT CHANNEL, TURNING BASIN  
AND ANCHORAGE

SHEET ID  
**V-102**