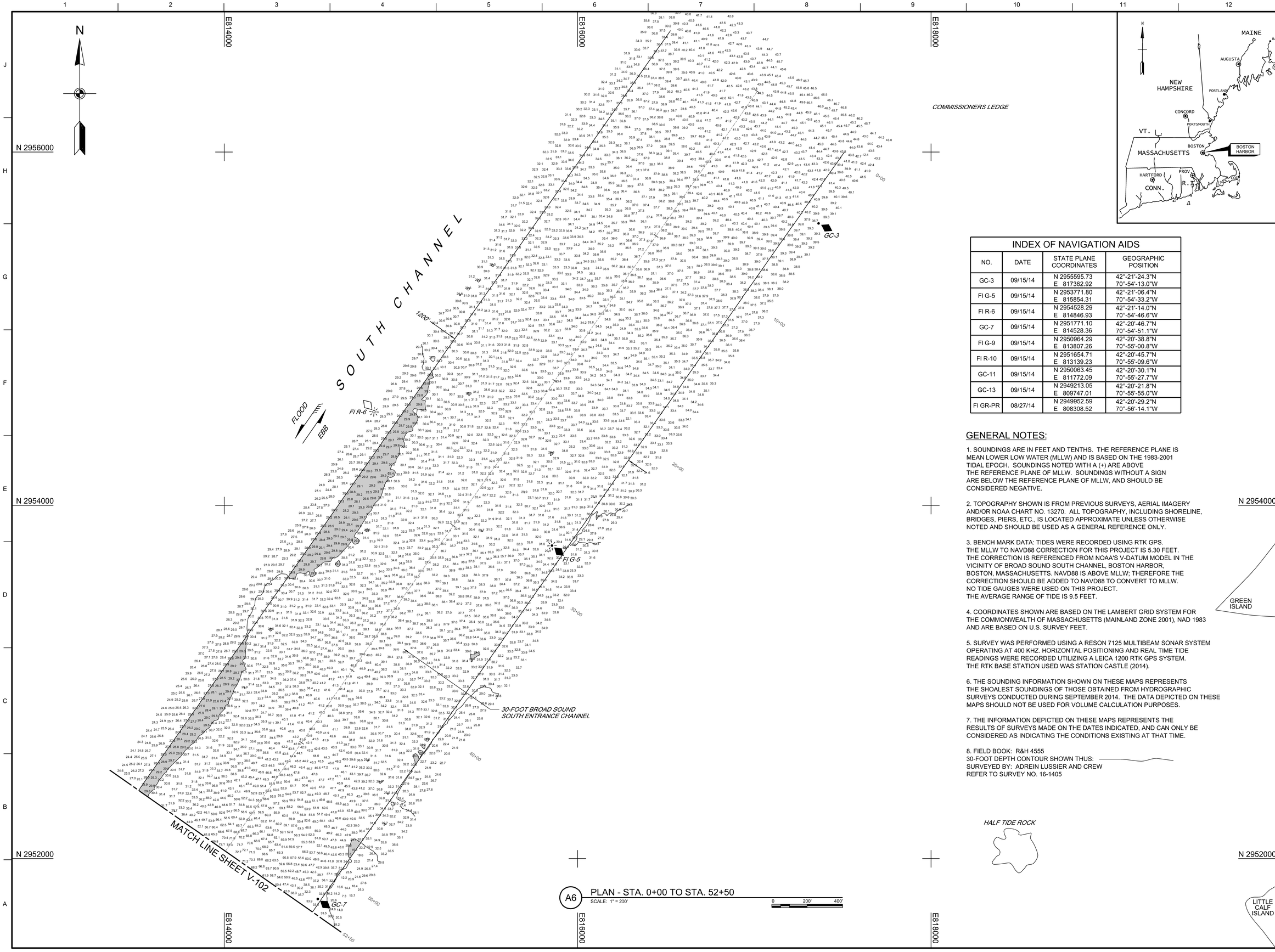


A6 PLAN - STA. 0+00 TO STA. 52+50

SCALE: 1" = 200'

0 200' 400'

INDEX OF NAVIGATION AIDS

NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-3	09/15/14	N 2955595.73 E 817362.92	42°-21'-24.3"N 70°-54'-13.0"W
Fl G-5	09/15/14	N 2953771.80 E 815854.31	42°-21'-06.4"N 70°-54'-33.2"W
Fl R-6	09/15/14	N 2954528.29 E 814846.93	42°-21'-14.0"N 70°-54'-46.6"W
GC-7	09/15/14	N 2951771.10 E 814528.36	42°-20'-46.7"N 70°-54'-51.1"W
Fl G-9	09/15/14	N 2950964.29 E 813807.26	42°-20'-38.8"N 70°-55'-00.8"W
Fl R-10	09/15/14	N 2951654.71 E 813139.23	42°-20'-45.7"N 70°-55'-09.6"W
GC-11	09/15/14	N 2950063.45 E 811772.09	42°-20'-30.1"N 70°-55'-27.7"W
GC-13	09/15/14	N 2949213.05 E 809747.01	42°-20'-21.8"N 70°-55'-55.0"W
Fl GR-PR	08/27/14	N 2949952.59 E 808308.52	42°-20'-29.2"N 70°-56'-14.1"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. 13270. 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 5.30 FEET. THE CORRECTION IS REFERENCED FROM NOAA'S V-DATUM MODEL IN THE VICINITY OF BROAD SOUND SOUTH CHANNEL, BOSTON HARBOR, BOSTON, MASSACHUSETTS. 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 9.5 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 A RESON 7125 MULTIBEAM SONAR SYSTEM OPERATING AT 400 KHZ. HORIZONTAL POSITIONING AND REAL TIME TIDE READINGS WERE RECORDED UTILIZING A LEICA 1200 RTK GPS SYSTEM. THE RTK BASE STATION USED WAS STATION CASTLE (2014).

6. THE SOUNDING INFORMATION SHOWN ON THESE MAPS REPRESENTS THE SHOALEST SOUNDINGS OF THOSE OBTAINED FROM HYDROGRAPHIC SURVEYS CONDUCTED DURING SEPTEMBER 2014. 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 4555
30-FOOT DEPTH CONTOUR SHOWN THUS:
SURVEYED BY: ADREIN LUSSIER AND CREW
REFER TO SURVEY NO. 16-1405

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

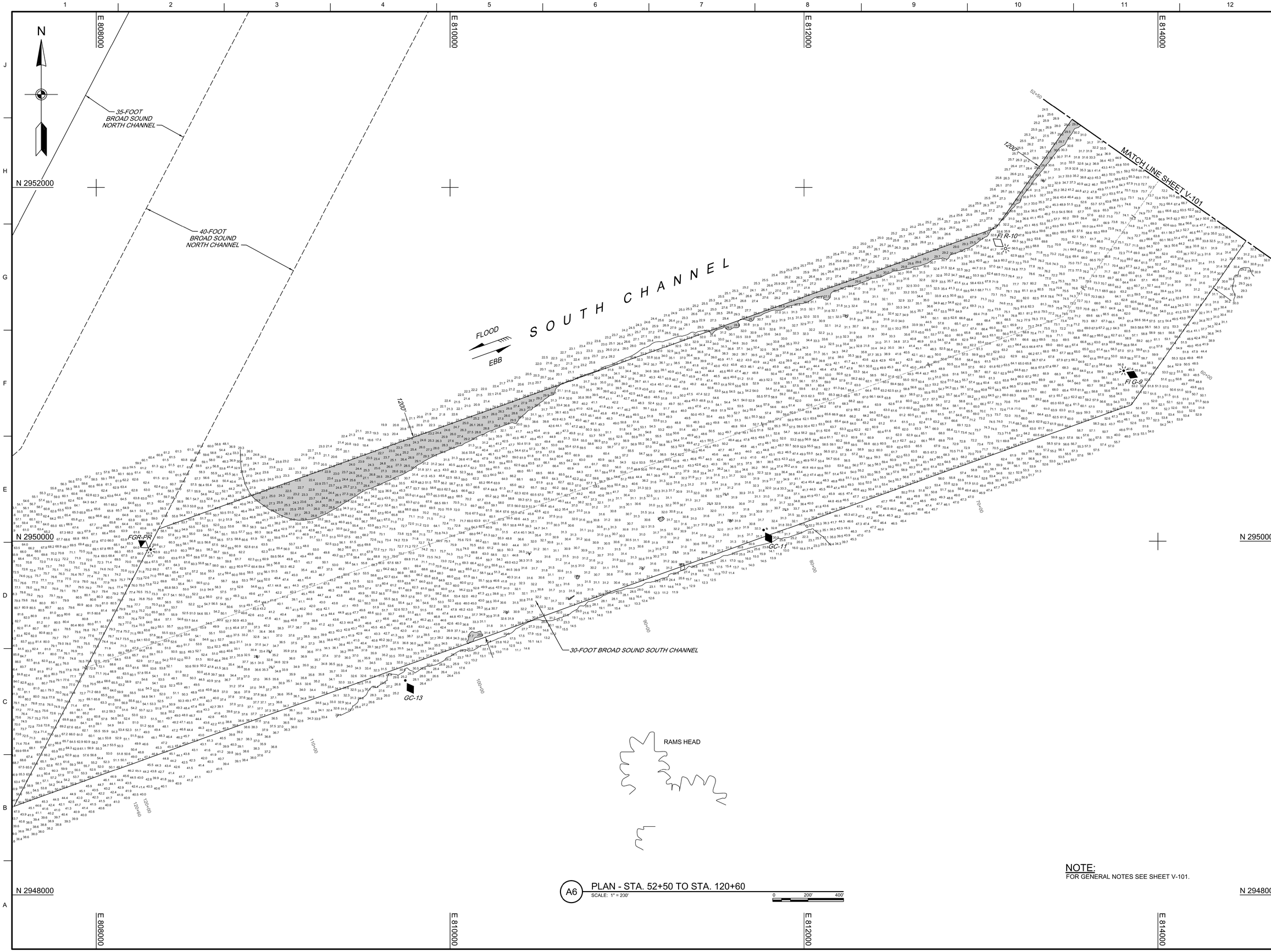
LDWN BY: SWK
CKB BY: AEB
ISSUE DATE: JUNE 2, 2016
REVIEWED BY: [illegible] Survey Sec.
REVIEWED BY: [illegible] Chief, Survey Section
DRAWING CODE: BOS-1820
SHEET 1 OF 2
SCALE: ANSI F 1:1

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

BOSTON HARBOR
BOSTON, MASSACHUSETTS
CONDITION SURVEY

30-FOOT SOUTH CHANNEL

SHEET ID
V-101



NOTE:
FOR GENERAL NOTES SEE SHEET V-101.

A6 PLAN - STA. 52+50 TO STA. 120+60
SCALE: 1" = 200'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DWN BY: SWK
CKD BY: AEB
REVIEWED BY: Asst. Chief, Survey Sec.
REVIEWED BY: Asst. Chief, Survey Section
REVIEWED BY: Chief, Survey Section
SIZE: ANSI F
SCALE: 1:1
ISSUE DATE: JUNE 2, 2016
DRAWING CODE: BOS-1920
SHEET 2 OF 2

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

BOSTON HARBOR
BOSTON, MASSACHUSETTS
CONDITION SURVEY

30-FOOT SOUTH CHANNEL

SHEET ID
V-102