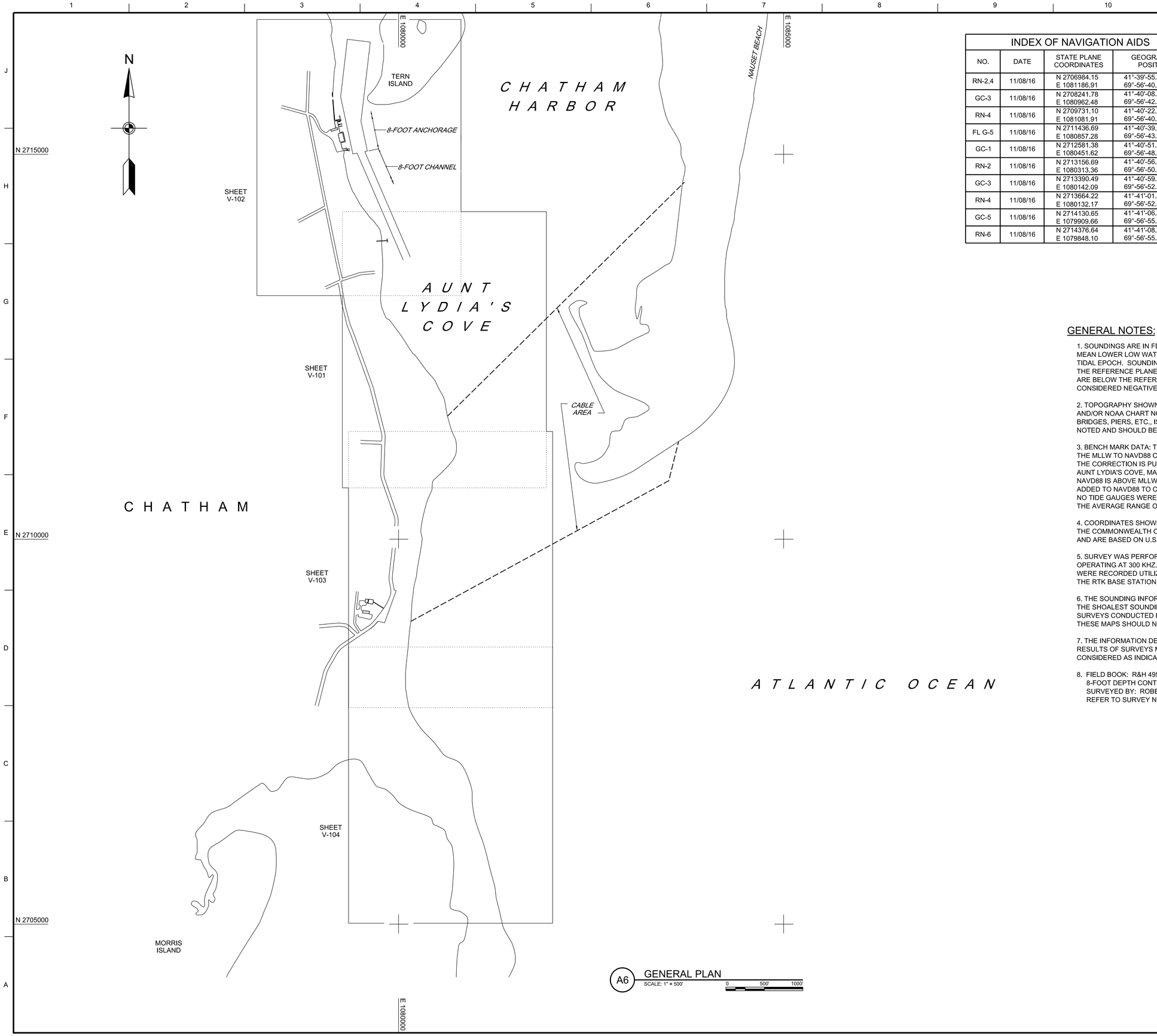
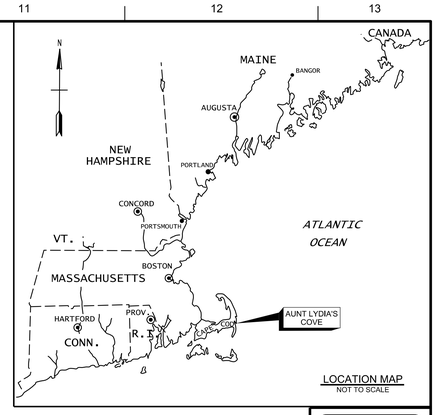


A6 GENERAL PLAN
SCALE: 1" = 500'
0 500' 1000'

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-2,4	11/08/16	N 2706984.15 E 1081186.91	41°-39'-55.5"N 69°-56'-40.0"W
GC-3	11/08/16	N 2708241.78 E 1080962.48	41°-40'-08.0"N 69°-56'-42.6"W
RN-4	11/08/16	N 2709731.10 E 1081081.91	41°-40'-22.7"N 69°-56'-40.7"W
FL G-5	11/08/16	N 2711436.69 E 1080857.28	41°-40'-39.6"N 69°-56'-43.2"W
GC-1	11/08/16	N 2712581.38 E 1080451.62	41°-40'-51.0"N 69°-56'-48.3"W
RN-2	11/08/16	N 2713156.69 E 1080313.36	41°-40'-56.7"N 69°-56'-50.0"W
GC-3	11/08/16	N 2713390.49 E 1080142.09	41°-40'-59.0"N 69°-56'-52.2"W
RN-4	11/08/16	N 2713664.22 E 1080132.17	41°-41'-01.7"N 69°-56'-52.3"W
GC-5	11/08/16	N 2714130.65 E 1079909.66	41°-41'-06.4"N 69°-56'-55.1"W
RN-6	11/08/16	N 2714376.64 E 1079848.10	41°-41'-08.8"N 69°-56'-55.8"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. 13248. 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 3.38 FEET.
THE CORRECTION IS PUBLISHED BY NOAA FOR BENCH MARKS AT CHATHAM, AUNT LYDIA'S COVE, MASSACHUSETTS (STATION ID 8447435, 05/08/2012).
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 5.8 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 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 7435 E (1985).

6. THE SOUNDING INFORMATION SHOWN ON THESE MAPS REPRESENTS THE SHOALEST SOUNDINGS OF THOSE OBTAINED FROM HYDROGRAPHIC SURVEYS CONDUCTED DURING NOVEMBER 2016. 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 4956
8-FOOT DEPTH CONTOUR SHOWN THUS:
SURVEYED BY: ROBERT MACGOVERN AND CREW
REFER TO SURVEY NO. 16-1429

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

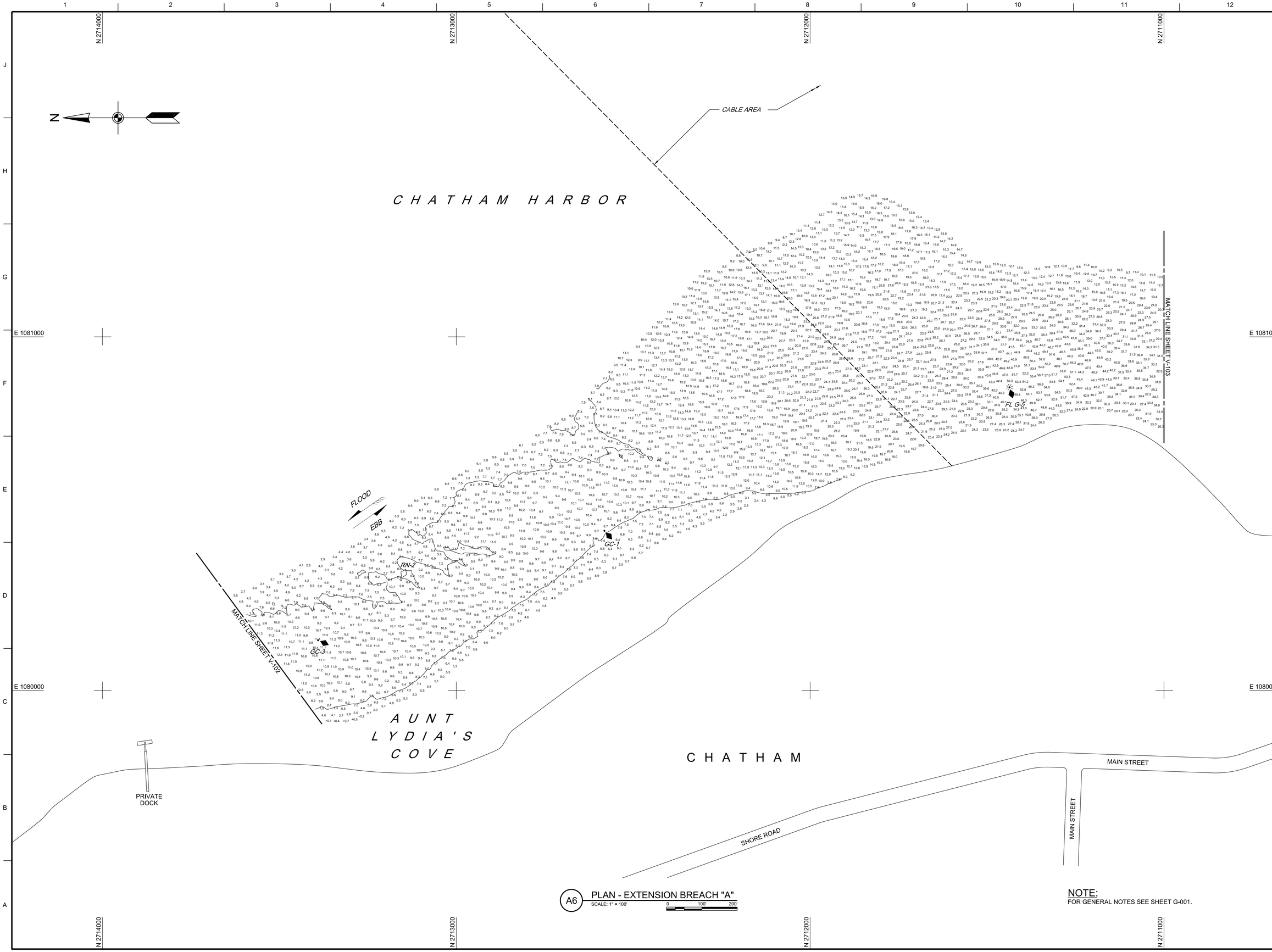
DWN BY: SWK
CKD BY: WHW
REVIEWED BY: Andrew Kimball
Chief, Survey Sec.
REVIEWED BY: Eric Hammarstrom
Chief, Survey Section
ISSUE DATE: DECEMBER 21, 2016
DRAWING CODE: AUN-18
SHEET 1 OF 5
SCALE: 1:1
FILE SIZE: ANSI F

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

AUNT LYDIA'S COVE
CHATHAM, MASSACHUSETTS
CONDITION SURVEY

8-FOOT CHANNEL AND ANCHORAGE

SHEET ID
G-001



A6 PLAN - EXTENSION BREACH "A"
SCALE: 1" = 100'
0 100' 200'

NOTE:
FOR GENERAL NOTES SEE SHEET G-001.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: DECEMBER 21, 2016
DRAWING CODE: AUN-18
SHEET 2 OF 5
SCALE: 1:1

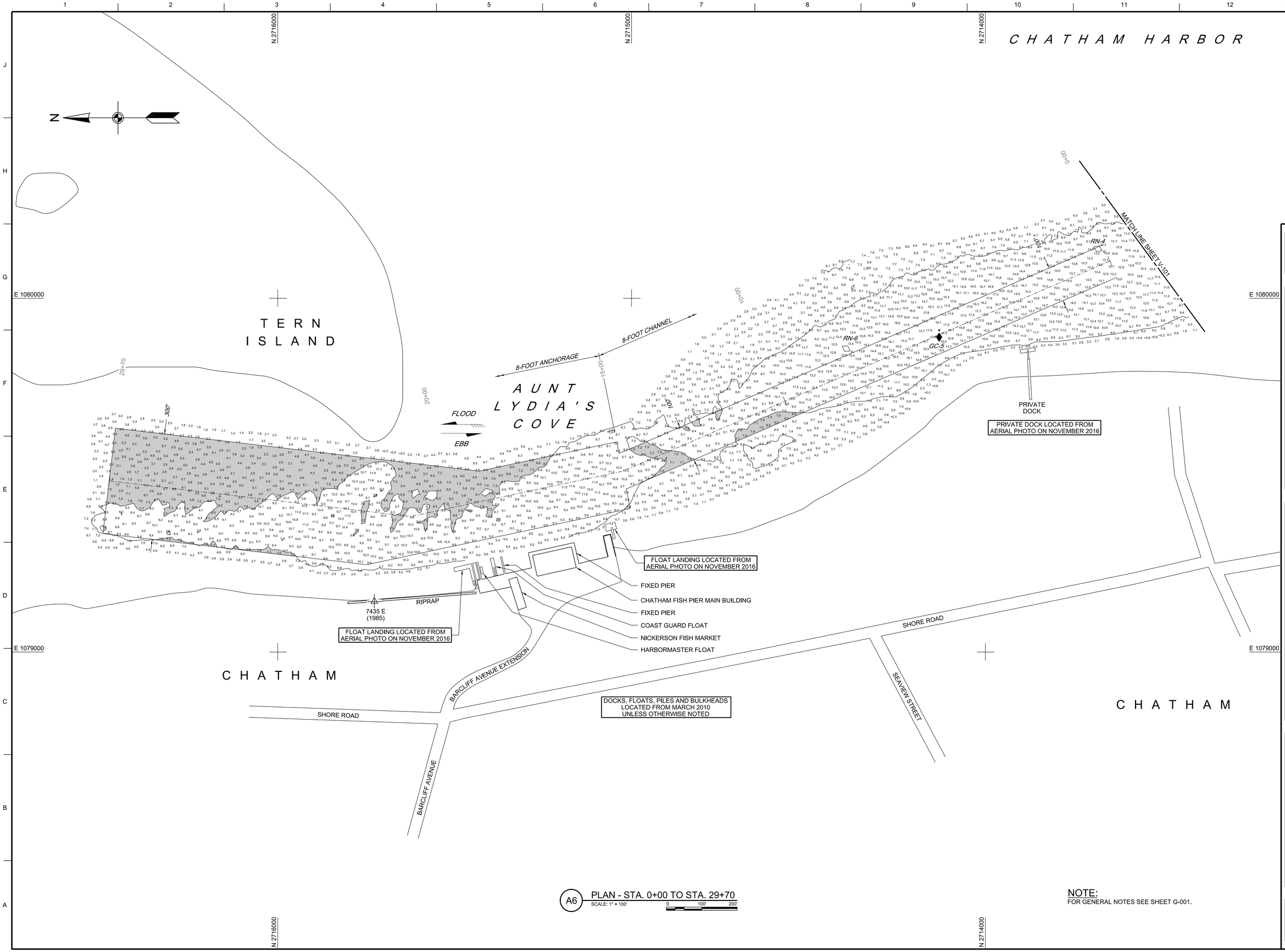
DWN BY: SWK
CKD BY: WHW
REVIEWED BY: Daniel Clark 12/20/2016 Chief, Survey Sec.
REVIEWED BY: Michael J. Ellis 01/19/16 For: Chief, Survey Section
FORMAT: ANSI F

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

AUNT LYDIA'S COVE
CHATHAM, MASSACHUSETTS
CONDITION SURVEY

8-FOOT CHANNEL AND ANCHORAGE

SHEET ID
V-101



A6 PLAN - STA. 0+00 TO STA. 29+70

SCALE: 1" = 100'

0 100' 200'

NOTE:
FOR GENERAL NOTES SEE SHEET G-001.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: DECEMBER 21, 2016

DWN BY: SWK | CKS BY: WHW

REVIEWED BY: Supervisory Civil Engineer

REVIEWED BY: Chief, Survey Sec.

DRAWING CODE: AUNH-18

SIZE: ANSI F | SCALE: 1:1 | SHEET 3 OF 5

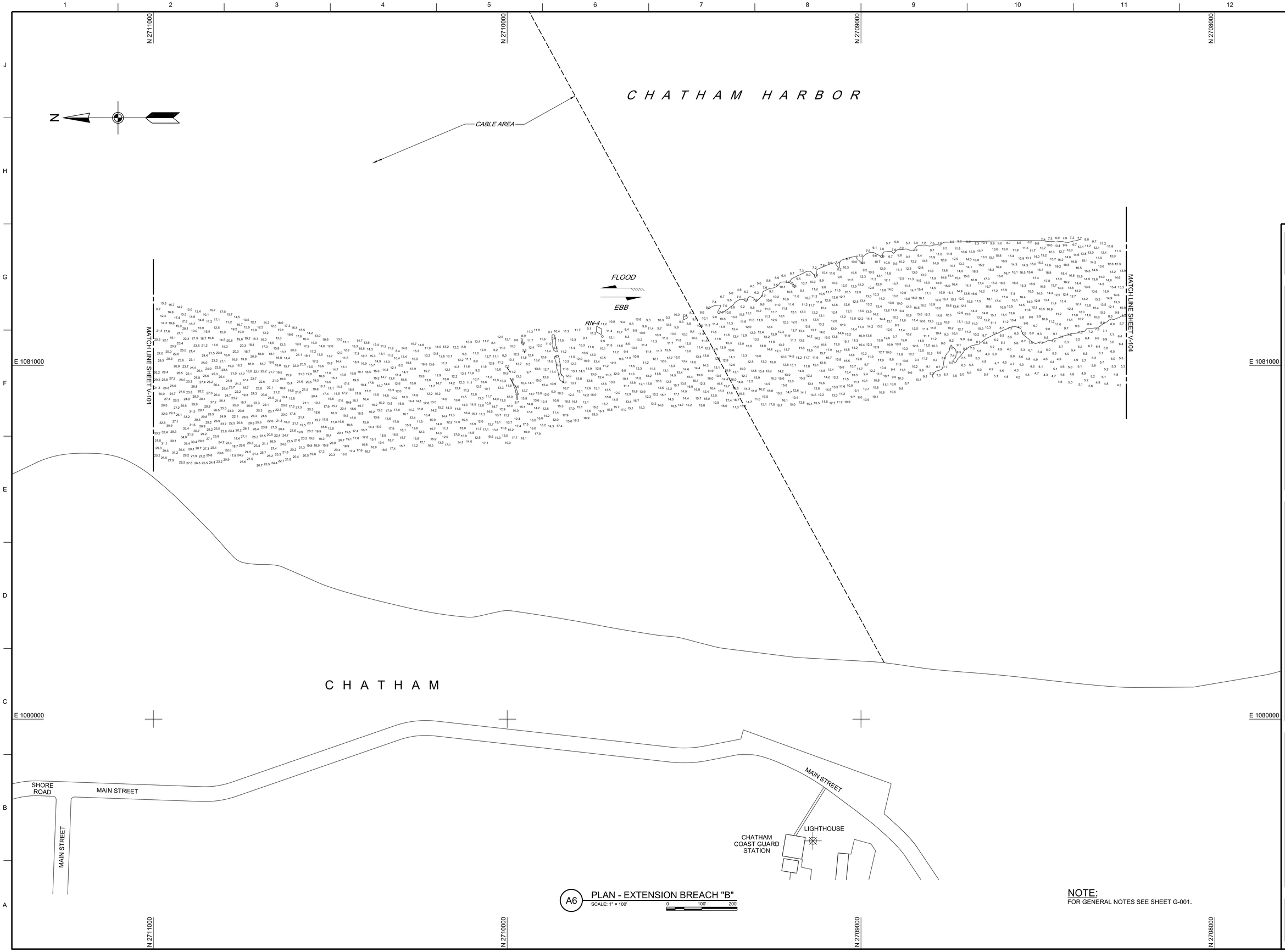
U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
696 VIRGINIA ROAD
CONCORD, MA 01742-2751

AUNT LYDIA'S COVE
CHATHAM, MASSACHUSETTS
CONDITION SURVEY

8-FOOT CHANNEL AND ANCHORAGE

SHEET ID

V-102



A6 PLAN - EXTENSION BREACH "B"

SCALE: 1" = 100'

NOTE:
FOR GENERAL NOTES SEE SHEET G-001.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

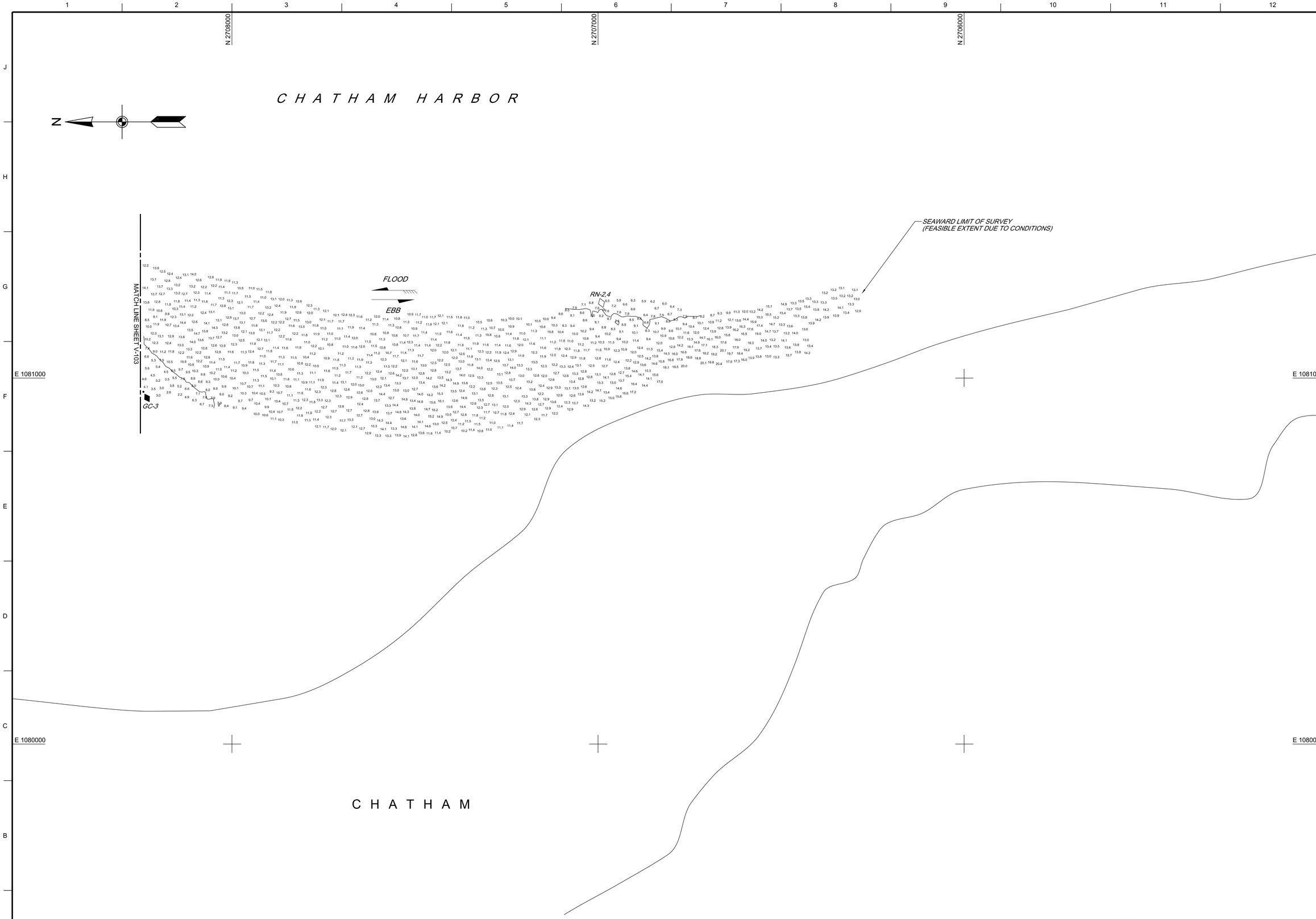
U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
696 VIRGINIA ROAD
CONCORD, MA 01742-2751

DWN BY: SWK | CKB BY: WHW | ISSUE DATE: DECEMBER 21, 2016
REVIEWED BY: Alex Chief, Survey Sec.
REVIEWED BY: Tyler Chief, Survey Section
SIZE: ANSI F | SCALE: 1:1 | DRAWING CODE: AUA-18 | SHEET 1 OF 5

AUNT LYDIA'S COVE
CHATHAM, MASSACHUSETTS
CONDITION SURVEY

8-FOOT CHANNEL AND ANCHORAGE

SHEET ID
V-103



A6 PLAN - EXTENSION BREACH "C"

SCALE: 1" = 100'

0 100' 200'

NOTE:
FOR GENERAL NOTES SEE SHEET G-001.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: DECEMBER 21, 2016

DWN BY: SWK
CKB BY: WHW
REVIEWED BY: JBROW
REVIEWED BY: Asst. Chief, Survey Sec.
REVIEWED BY: Chief, Survey Section
DRAWING CODE: AUNLY-B
SIZE: ANSI F
SCALE: 1:1
SHEET 5 OF 5

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

AUNT LYDIA'S COVE
CHATHAM, MASSACHUSETTS
CONDITION SURVEY

8-FOOT CHANNEL AND ANCHORAGE

SHEET ID
V-104