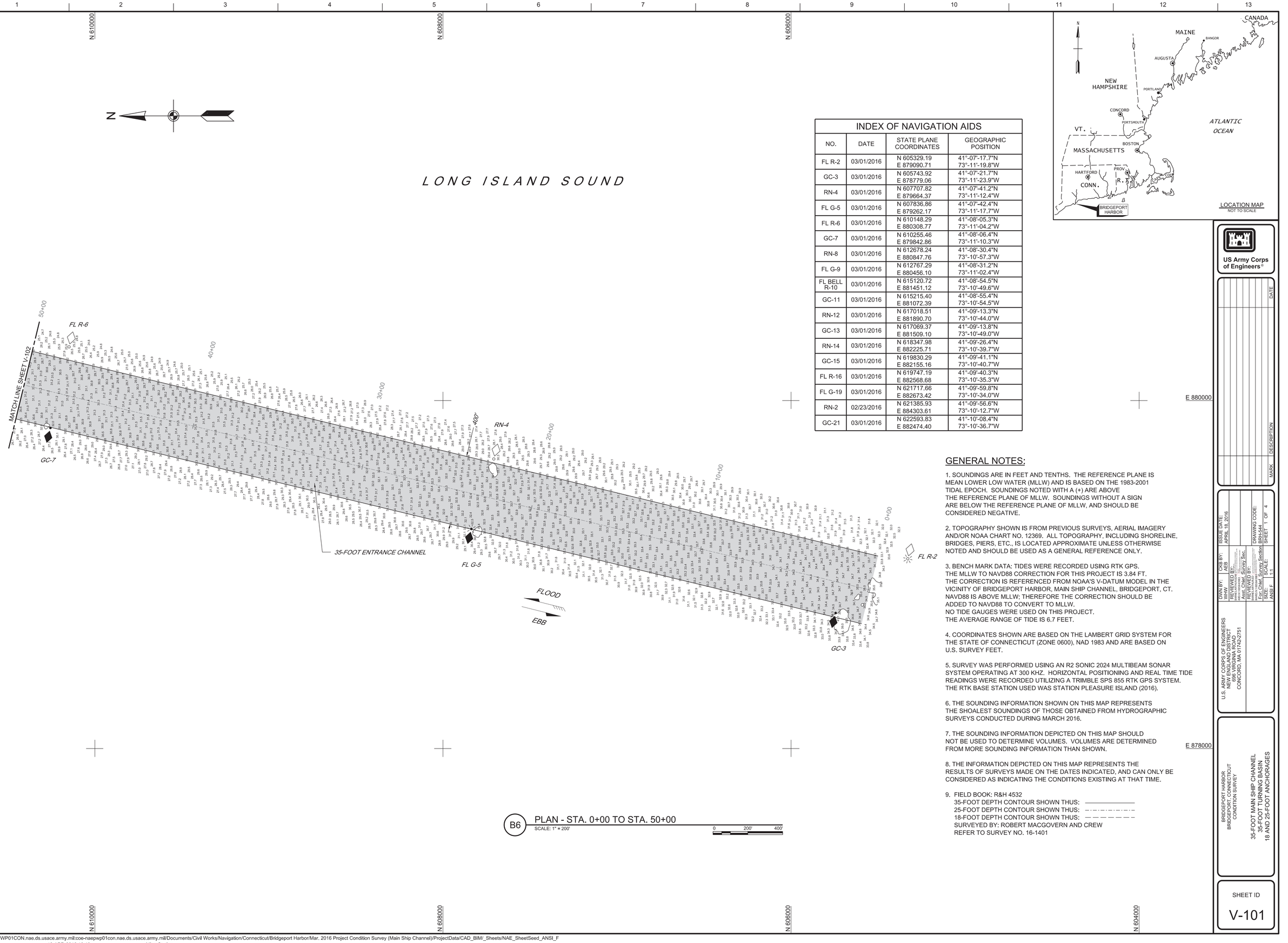


B6 PLAN - STA. 0+00 TO STA. 50+00
SCALE: 1" = 200'
0 200' 400'

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
FL R-2	03/01/2016	N 605329.19 E 879090.71	41°-07'-17.7"N 73°-11'-19.8"W
GC-3	03/01/2016	N 605743.92 E 878779.06	41°-07'-21.7"N 73°-11'-23.9"W
RN-4	03/01/2016	N 607707.82 E 879664.37	41°-07'-41.2"N 73°-11'-12.4"W
FL G-5	03/01/2016	N 607836.86 E 879262.17	41°-07'-42.4"N 73°-11'-17.7"W
FL R-6	03/01/2016	N 610148.29 E 880308.77	41°-08'-05.3"N 73°-11'-04.2"W
GC-7	03/01/2016	N 610255.46 E 879842.86	41°-08'-06.4"N 73°-11'-10.3"W
RN-8	03/01/2016	N 612678.24 E 880847.76	41°-08'-30.4"N 73°-10'-57.3"W
FL G-9	03/01/2016	N 612767.29 E 880456.10	41°-08'-31.2"N 73°-11'-02.4"W
FL BELL R-10	03/01/2016	N 615120.72 E 881451.12	41°-08'-54.5"N 73°-10'-49.6"W
GC-11	03/01/2016	N 615215.40 E 881072.39	41°-08'-55.4"N 73°-10'-54.5"W
RN-12	03/01/2016	N 617018.51 E 881890.70	41°-09'-13.3"N 73°-10'-44.0"W
GC-13	03/01/2016	N 617069.37 E 881509.10	41°-09'-13.8"N 73°-10'-49.0"W
RN-14	03/01/2016	N 618347.98 E 882225.71	41°-09'-26.4"N 73°-10'-39.7"W
GC-15	03/01/2016	N 619830.29 E 882155.16	41°-09'-41.1"N 73°-10'-40.7"W
FL R-16	03/01/2016	N 619747.19 E 882568.68	41°-09'-40.3"N 73°-10'-35.3"W
FL G-19	03/01/2016	N 621717.66 E 882673.42	41°-09'-59.8"N 73°-10'-34.0"W
RN-2	02/23/2016	N 621385.93 E 884303.61	41°-09'-56.6"N 73°-10'-12.7"W
GC-21	03/01/2016	N 622593.83 E 882474.40	41°-10'-08.4"N 73°-10'-36.7"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. 12369. 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 3.84 FT. THE CORRECTION IS REFERENCED FROM NOAA'S V-DATUM MODEL IN THE VICINITY OF BRIDGEPORT HARBOR, MAIN SHIP CHANNEL, BRIDGEPORT, CT. 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 6.7 FEET.

4. COORDINATES SHOWN ARE BASED ON THE LAMBERT GRID SYSTEM FOR THE STATE OF CONNECTICUT (ZONE 0600), 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 PLEASURE ISLAND (2016).

6. THE SOUNDING INFORMATION SHOWN ON THIS MAP REPRESENTS THE SHOALEST SOUNDINGS OF THOSE OBTAINED FROM HYDROGRAPHIC SURVEYS CONDUCTED DURING MARCH 2016.

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 4532
35-FOOT DEPTH CONTOUR SHOWN THUS: ————————
25-FOOT DEPTH CONTOUR SHOWN THUS: —·—·—·—·—·—
18-FOOT DEPTH CONTOUR SHOWN THUS: — — — — — —
SURVEYED BY: ROBERT MACGOVERN AND CREW
REFER TO SURVEY NO. 16-1401

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

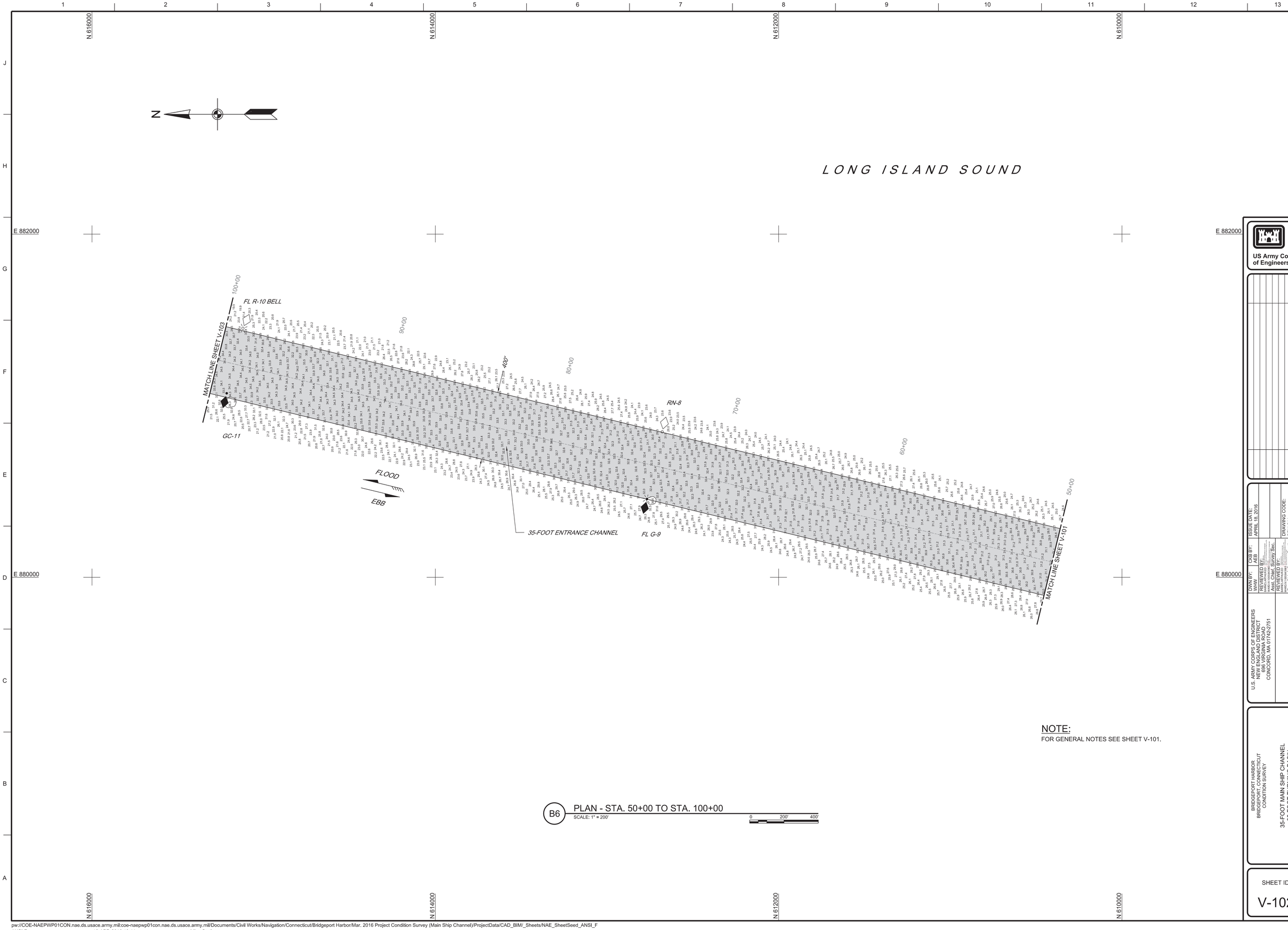
DOWN BY: VHW
CKB BY: AEB
REVIEWED BY: ANDREW SOMERBY
REVIEWED BY: BRIAN J. KNAUSS
ISSUE DATE: APRIL 18, 2016
DRAWING CODE: BRH-344
SHEET 1 OF 4
SCALE: 1:1
ANSI F

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

BRIDGEPORT HARBOR
BRIDGEPORT, CONNECTICUT
CONDITION SURVEY

35-FOOT MAIN SHIP CHANNEL
35-FOOT TURNING BASIN
18 AND 25-FOOT ANCHORAGES

SHEET ID
V-101



NOTE:
FOR GENERAL NOTES SEE SHEET V-101.

B6 PLAN - STA. 50+00 TO STA. 100+00
SCALE: 1" = 200'
0 200' 400'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DWN BY: WHW
CKB BY: AEB
ISSUE DATE: APRIL 18, 2016
REVIEWED BY: Asst. Chief, Survey Sec.
REVIEWED BY: Asst. Chief, Survey Section
DRAWING CODE: BRH-544
SIZE: ANSI F
SCALE: 1:1
SHEET 2 OF 4

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

BRIDGEPORT HARBOR
BRIDGEPORT, CONNECTICUT
CONDITION SURVEY

35-FOOT MAIN SHIP CHANNEL
35-FOOT TURNING BASIN
18 AND 25-FOOT ANCHORAGES

SHEET ID
V-102

pw://COE-NAEPWP01CON.nae.ds.usace.army.mil:coe-naepwp01con.nae.ds.usace.army.mil/Documents/Civil Works/Navigation/Connecticut/Bridgeport Harbor/Mar. 2016 Project Condition Survey (Main Ship Channel)/ProjectData/CAD_BIM/_Sheets/NAE_SheetSeed_ANSI_F
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1 2 3 4 5 6 7 8 9 10 11 12 13

J H G F E D C B A

N 620000 N 618000 N 616000

E 884000 E 882000 E 880000

N

PLEASURE BEACH

LONG ISLAND SOUND

EAST BREAKWATER

EAST BREAKWATER LIGHTHOUSE (FL R-12A)

25-FOOT ANCHORAGE

25-FOOT ANCHORAGE (PREV. MAINT. 35-FT)

MATCH LINE SHEET V-104

FL R-16

RN-14

RN-12

GC-15

GC-13

18-FOOT ANCHORAGE

FLOOD

EBB

BRIDGEPORT HARBOR LIGHTHOUSE (FL G-13A)

35-FOOT ENTRANCE CHANNEL

MATCH LINE SHEET V-102

WEST BREAKWATER

BRIDGEPORT HARBOR

BRIDGEPORT

160+00 150+00 140+00 130+00 120+00 110+00 100+00

388' 362' 400' 400'

B6 PLAN - STA. 100+00 TO STA. 160+00

SCALE: 1" = 200'

0 200' 400'

NOTE:

FOR GENERAL NOTES SEE SHEET V-101.

US Army Corps of Engineers®

	DATE	DESCRIPTION	MARK

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

DWN BY: VHW | CKB BY: AEB | ISSUE DATE: APRIL 18, 2016

REVIEWED BY: Project Manager Section

REVIEWED BY: Area Chief

REVIEWED BY: Survey Section Chief

DRAWING CODE: BRH-344

SCALE: 1:1

SHEET 3 OF 4

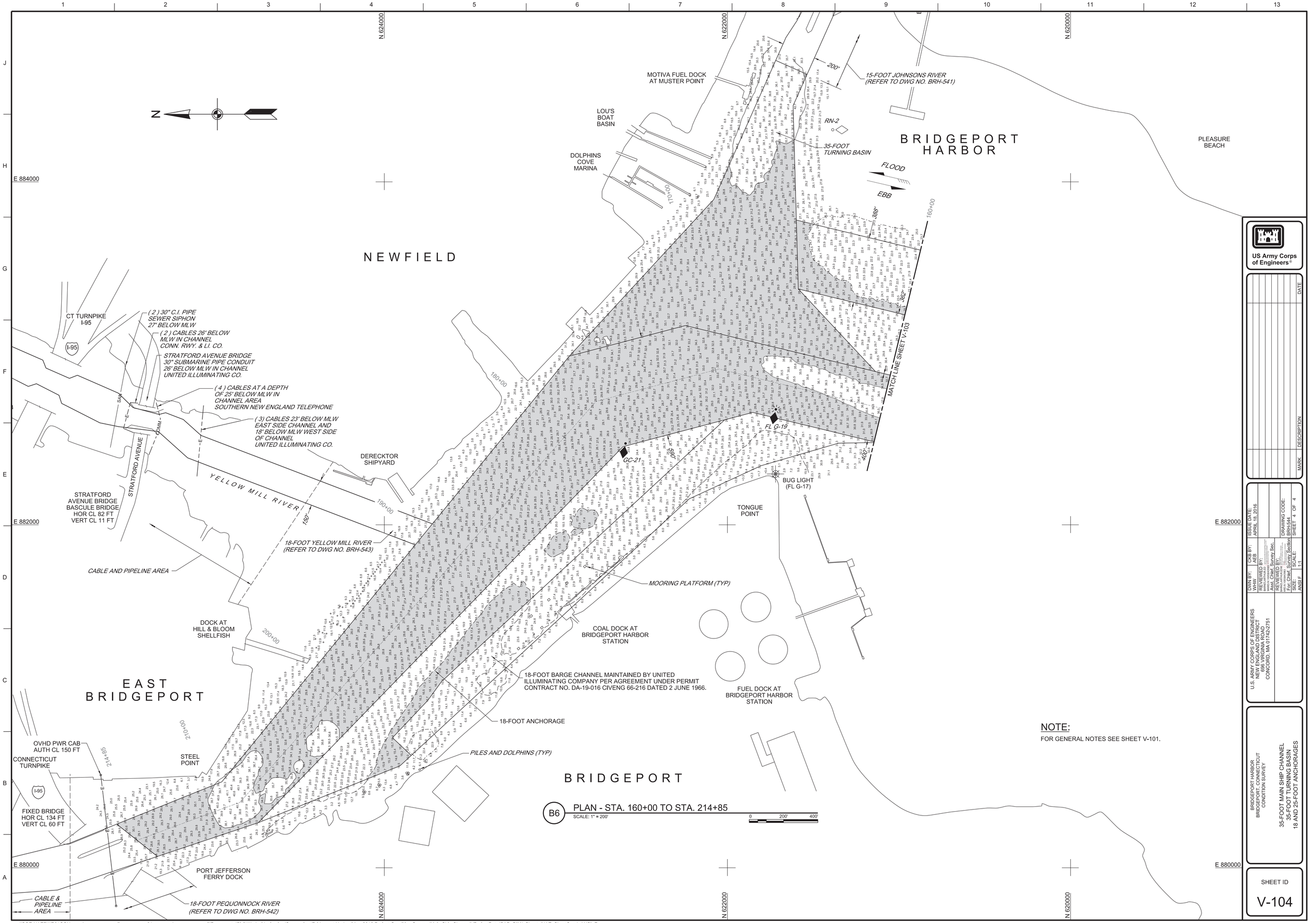
ANSI F

BRIDGEPORT HARBOR BRIDGEPORT, CONNECTICUT CONDITION SURVEY

35-FOOT MAIN SHIP CHANNEL 35-FOOT TURNING BASIN 18 AND 25-FOOT ANCHORAGES

SHEET ID

V-103



B6 PLAN - STA. 160+00 TO STA. 214+85
SCALE: 1" = 200'

NOTE:
FOR GENERAL NOTES SEE SHEET V-101.

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: VHW
CKD BY: AEB
REVIEWED BY: [redacted]
REVIEWED BY: [redacted]
REVIEWED BY: [redacted]
ISSUE DATE: APRIL 18, 2016
DRAWING CODE: BRH-544
SCALE: 1:1
SHEET 4 OF 4
ANSI F

BRIDGEPORT HARBOR
BRIDGEPORT, CONNECTICUT
CONDITION SURVEY

35-FOOT MAIN SHIP CHANNEL
35-FOOT TURNING BASIN
18 AND 25-FOOT ANCHORAGES

SHEET ID
V-104

pw://COE-NAEPWP01CON.nae.ds.usace.army.mil:coe-naepwp01con.nae.ds.usace.army.mil/Documents/Civil Works/Navigation/Connecticut/Bridgeport Harbor/Mar. 2016 Project Condition Survey (Main Ship Channel)/ProjectData/CAD_BIM/_Sheets/NAE_SheetSeed_ANSI_F
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