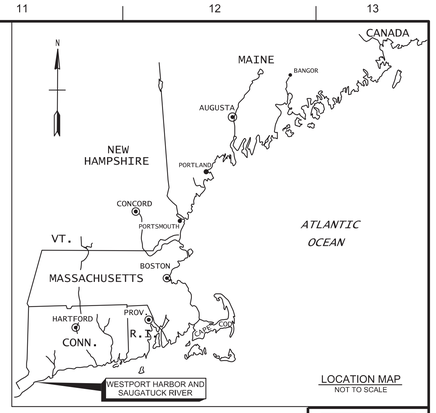
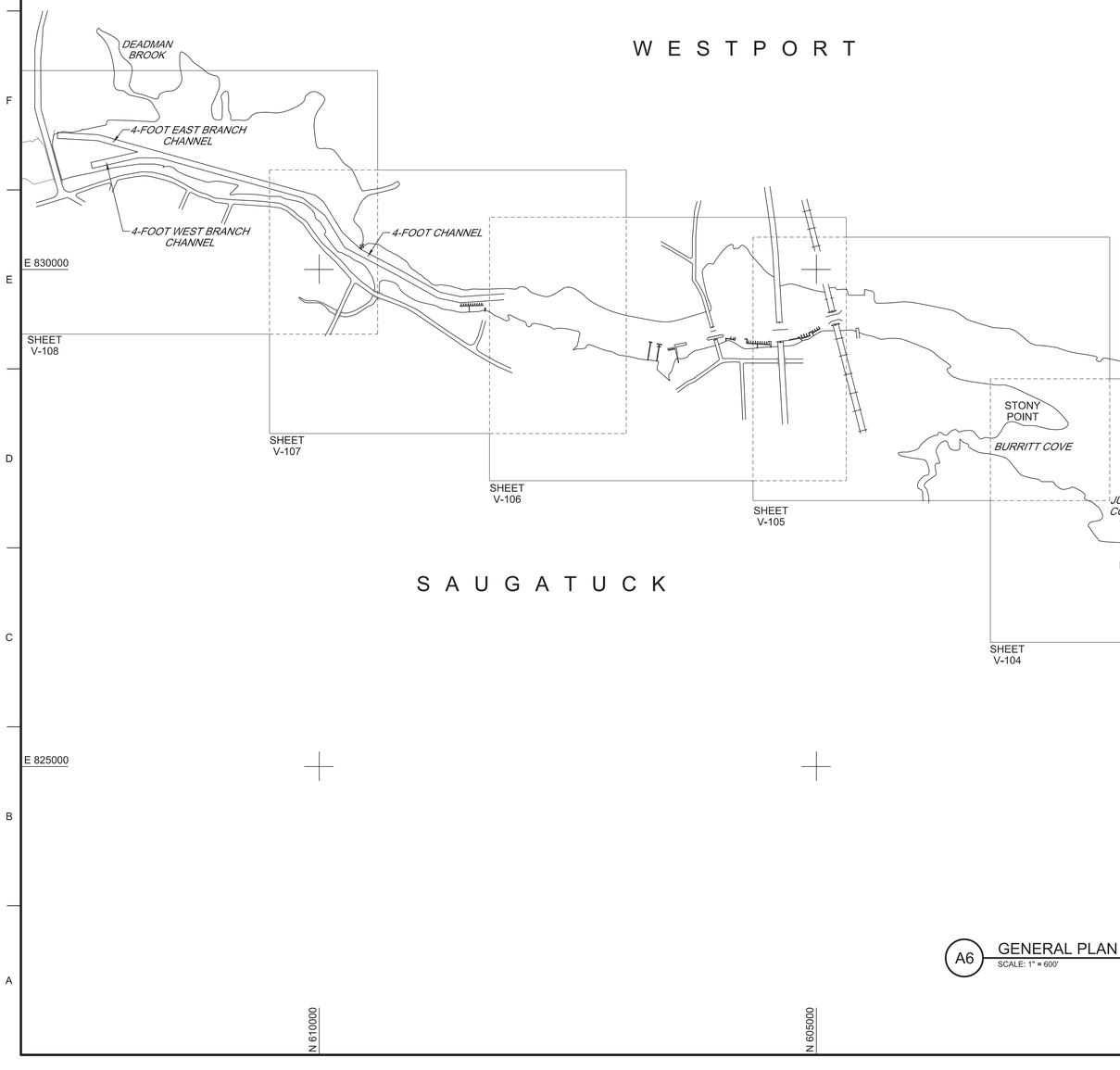
INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-5	11/16/16	N 597297.20 E 832059.64	41°-05'-55.5"N 73°-21'-33.5"W
RN-6	11/16/16	N 597947.20 E 832506.67	41°-06'-01.9"N 73°-21'-27.8"W
RN-8	11/16/16	N 598444.21 E 832145.57	41°-06'-06.8"N 73°-21'-32.5"W
GC-9	11/16/16	N 598729.08 E 831638.03	41°-06'-09.6"N 73°-21'-39.2"W
RN-10	11/16/16	N 599039.17 E 831495.33	41°-06'-12.7"N 73°-21'-41.1"W
GC-11	11/16/16	N 599127.49 E 830944.17	41°-06'-13.5"N 73°-21'-48.3"W
GC-13	11/16/16	N 599245.23 E 830153.33	41°-06'-14.6"N 73°-21'-58.6"W
GC-15	11/16/16	N 598819.38 E 829652.05	41°-06'-10.4"N 73°-22'-05.1"W

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-16	11/16/16	N 597944.19 E 829100.96	41°-06'-01.7"N 73°-22'-12.2"W
RN-18	11/16/16	N 598473.85 E 828054.57	41°-06'-06.8"N 73°-22'-26.0"W
RN-20	11/16/16	N 599174.96 E 827220.22	41°-06'-13.7"N 73°-22'-36.9"W
RN-22	11/16/16	N 600362.73 E 826918.30	41°-06'-25.4"N 73°-22'-41.0"W
RN-24	11/16/16	N 601382.51 E 827192.50	41°-06'-35.5"N 73°-22'-37.5"W
RN-26	11/16/16	N 601824.02 E 827800.93	41°-06'-39.9"N 73°-22'-29.6"W
GC-27	11/16/16	N 602295.60 E 828249.54	41°-06'-44.6"N 73°-22'-23.8"W
GC-29	11/16/16	N 602769.21 E 829001.13	41°-06'-49.3"N 73°-22'-14.0"W



LOCATION MAP
NOT TO SCALE



A6 GENERAL PLAN
SCALE: 1" = 600'
0 600' 1200'

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. 12368. 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 3.89 FEET.
THE CORRECTION IS REFERENCED FROM NOAA'S V-DATUM MODEL IN THE VICINITY OF SAUGATUCK RIVER, CONNECTICUT.
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 7.1 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 STATIONS USED WERE STATION WEST RAMP (2014), LONGSHORE (2016) AND IMPERIAL (2016).

6. THE SOUNDING INFORMATION SHOWN ON THESE MAPS REPRESENTS THE SHOALEST SOUNDINGS OF THOSE OBTAINED FROM HYDROGRAPHIC SURVEYS CONDUCTED DURING NOVEMBER 2016.

7. THE SOUNDING INFORMATION DEPICTED ON THESE MAPS SHOULD NOT BE USED TO DETERMINE VOLUMES. VOLUMES ARE DETERMINED FROM MORE SOUNDING INFORMATION THAN SHOWN. ADDITIONAL SOUNDING INFORMATION IS AVAILABLE UPON REQUEST.

8. 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.

9. FIELD BOOK: R&H 4225
4-FOOT DEPTH CONTOUR SHOWN THUS: ———
SURVEYED BY: ROBERT MACGOVERN AND CREW
REFER TO SURVEY NO. 16-1436

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

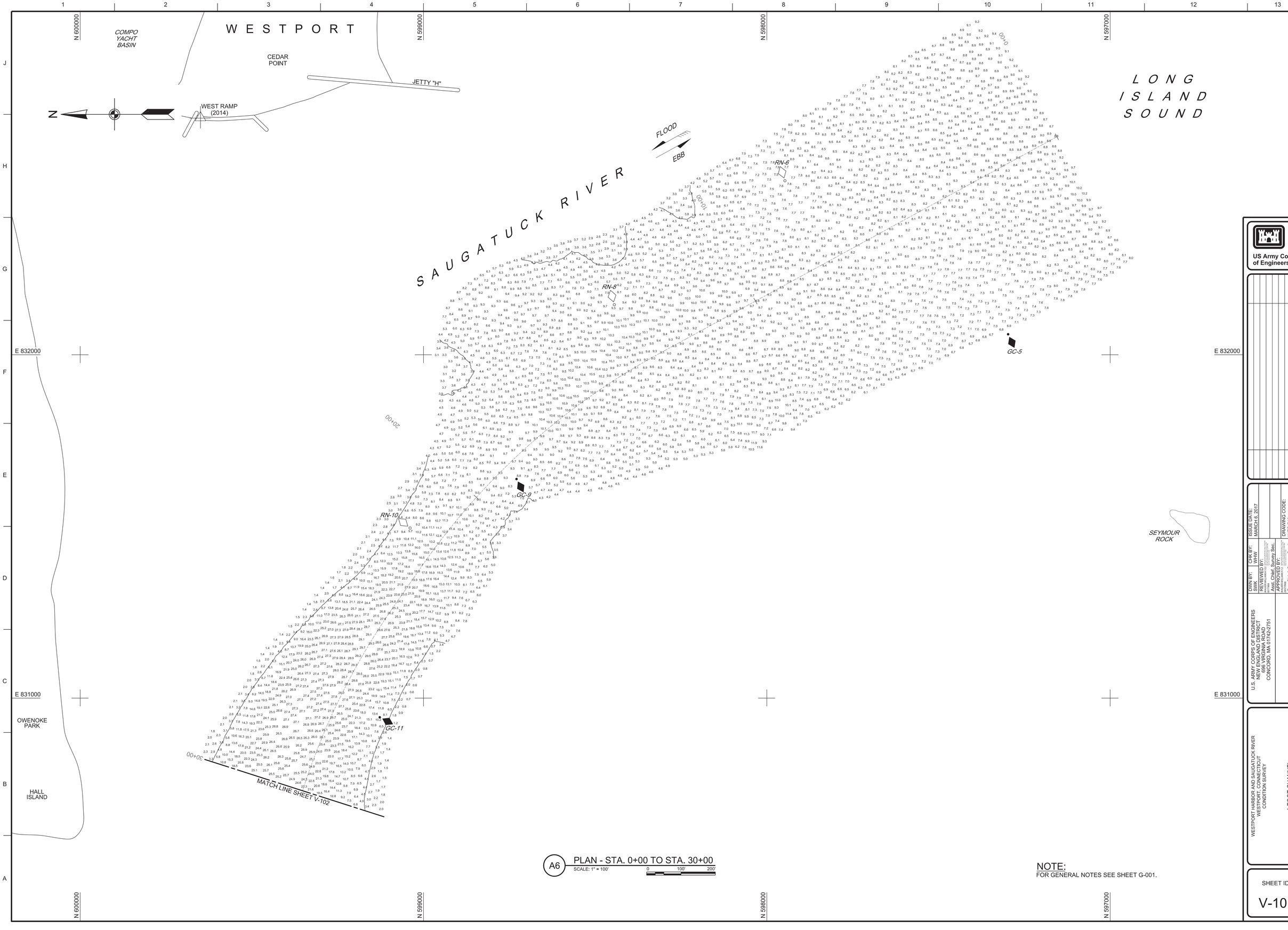
DWN BY: SWK | CHK BY: VHW | ISSUE DATE: MARCH 6, 2017
REVIEWED BY: RYAN Digitally signed by RYAN MACGOVERN Date: 2017.03.06 14:44:51 -05'00' Chief, Survey Sec.
APPROVED BY: STEVEN Digitally signed by STEVEN MACKEY Date: 2017.03.06 14:45:22 -05'00' Chief, Survey Section
DRAWING CODE: WES-F401 | SHEET 1 OF 9
SCALE: 1:2 | ANSI F

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

WESTPORT HARBOR AND SAUGATUCK RIVER
WESTPORT, CONNECTICUT
CONDITION SURVEY

4-FOOT CHANNEL

SHEET ID
G-001



A6 PLAN - STA. 0+00 TO STA. 30+00

SCALE: 1" = 100'

NOTE:
FOR GENERAL NOTES SEE SHEET G-001.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: MARCH 6, 2017

DRAWING CODE: WES-749

SHEET 2 OF 9

DWN BY: SWK
CHK BY: WHW
REVIEWED BY: Asst. Chief, Survey Sec.
APPROVED BY: Sr. Chief, Survey Section
SIZE: ANSI F
SCALE: 1:1

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

WESTPORT HARBOR AND SAUGATUCK RIVER
WESTPORT, CONNECTICUT
CONDITION SURVEY

4-FOOT CHANNEL

SHEET ID

V-101

A6 PLAN - STA. 30+00 TO STA. 61+50

SCALE: 1" = 100'

0 100' 200'

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
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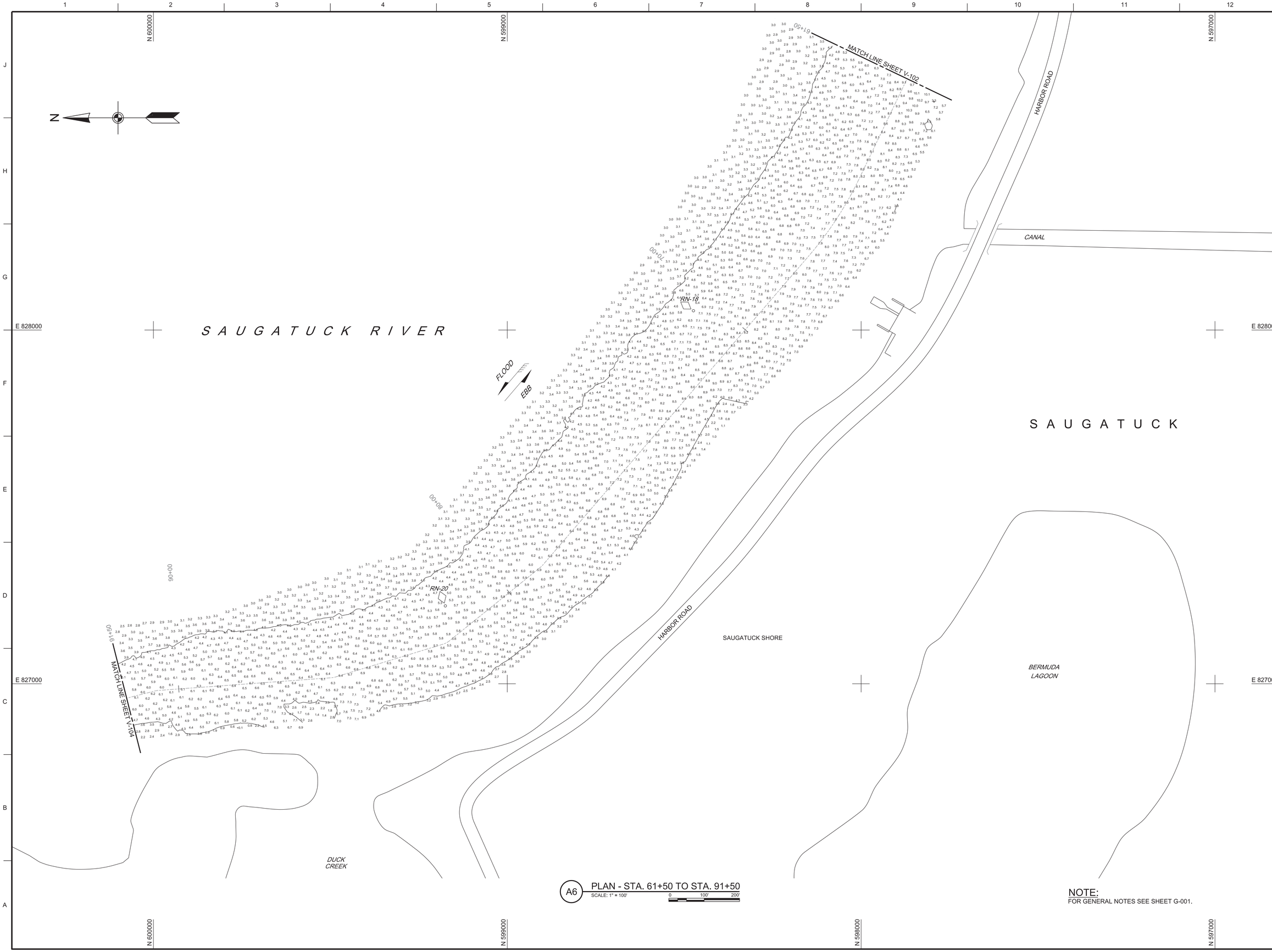
DWN BY: SWK
CHK BY: WHW
ISSUE DATE: MARCH 6, 2017
REVIEWED BY: Asst. Chief, Survey Sec.
APPROVED BY: Chief, Survey Section
DRAWING CODE: WES-749
SIZE: ANSI F
SCALE: 1:1
SHEET 3 OF 9

WESTPORT HARBOR AND SAUGATUCK RIVER
WESTPORT, CONNECTICUT
CONDITION SURVEY

4-FOOT CHANNEL

SHEET ID
V-102



A6 PLAN - STA. 61+50 TO STA. 91+50

SCALE: 1" = 100'

0 100' 200'

NOTE:
FOR GENERAL NOTES SEE SHEET G-001.

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MARK	DESCRIPTION	DATE

ISSUE DATE: MARCH 6, 2017

DRAWING CODE: WES-749

SHEET 4 OF 9

DWN BY: SWK

CHK BY: WHW

REVIEWED BY: Asst. Chief, Survey Sec.

APPROVED BY: For Chief, Survey Section

SIZE: ANSI F

SCALE: 1:1

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
696 VIRGINIA ROAD
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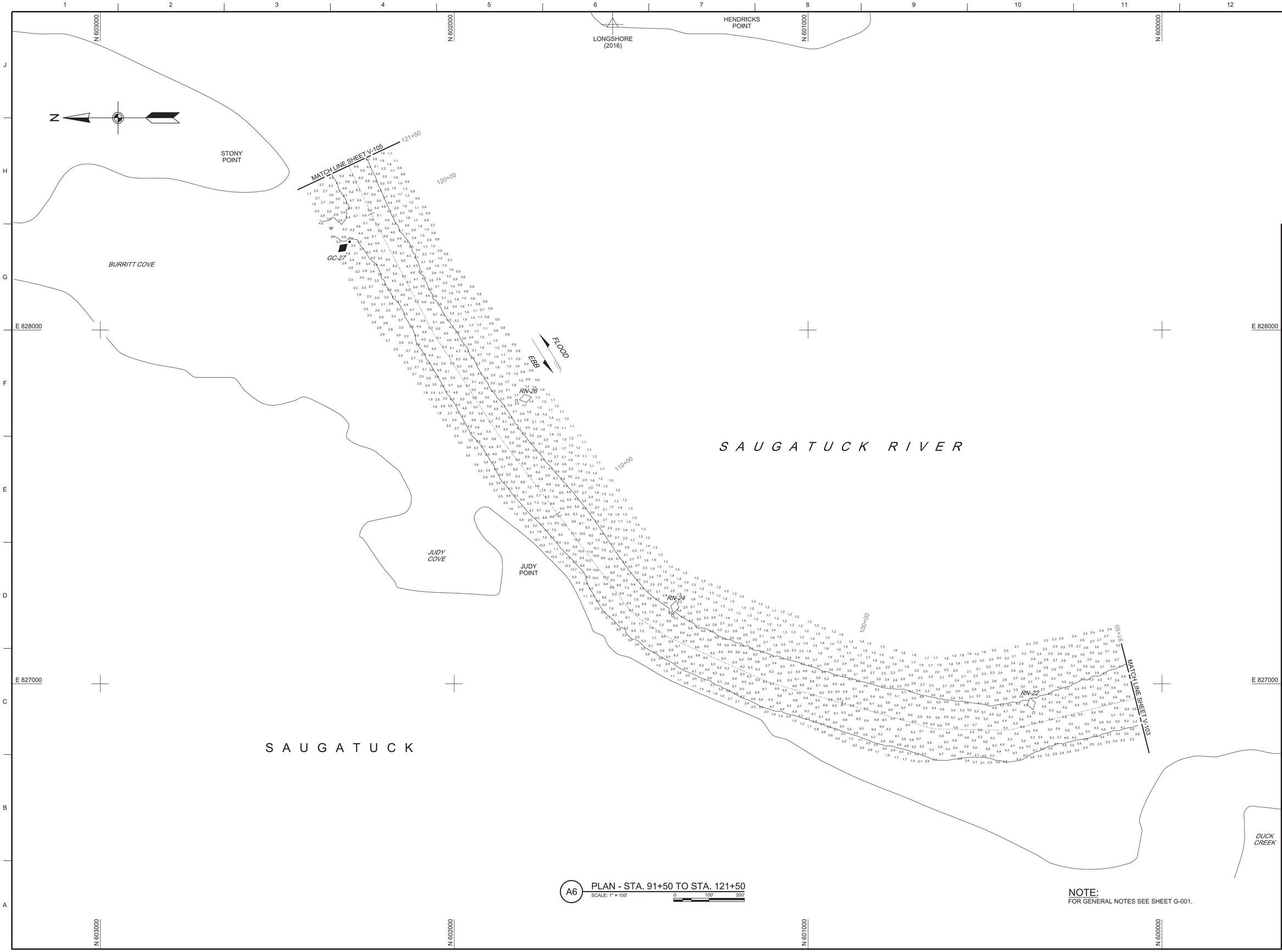
WESTPORT HARBOR AND SAUGATUCK RIVER
WESTPORT, CONNECTICUT
CONDITION SURVEY

4-FOOT CHANNEL

SHEET ID

V-103



A6 PLAN - STA. 91+50 TO STA. 121+50
SCALE: 1" = 100'
0 100' 200'

NOTE:
FOR GENERAL NOTES SEE SHEET G-001.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

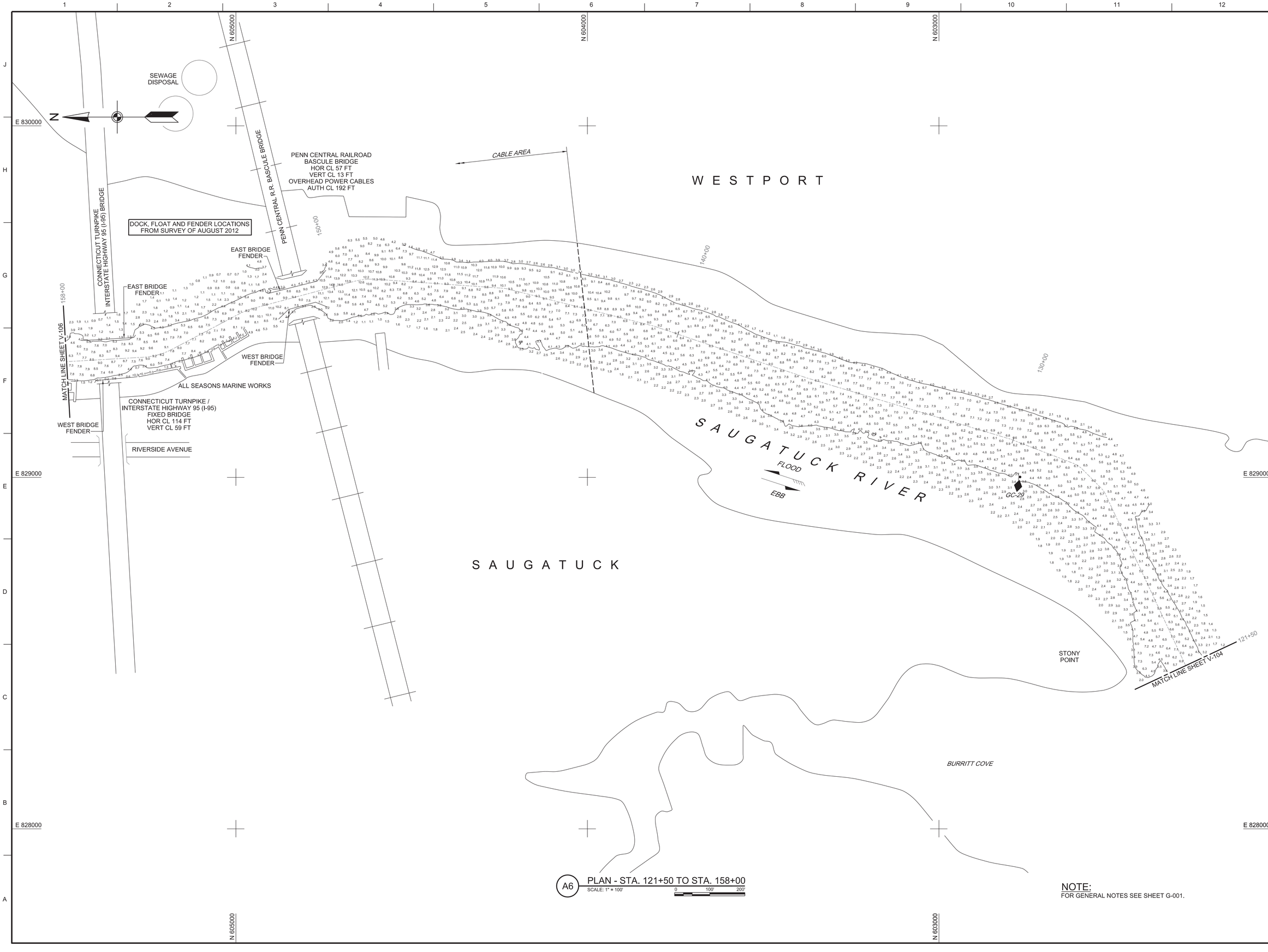
U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
696 VIRGINIA ROAD
CONCORD, MA 01742-2751

DWN BY: SWK
CHK BY: VHW
REVIEWED BY: [redacted]
APPROVED BY: [redacted]
For: Chief, Survey Section
ISSUE DATE: MARCH 6, 2017
SCALE: 1:1
ANSI F
DRAWING CODE: WES-745
SHEET 5 OF 9

WESTPORT HARBOR AND SAUGATUCK RIVER
WESTPORT, CONNECTICUT
CONDITION SURVEY

4-FOOT CHANNEL

SHEET ID
V-104



A6 PLAN - STA. 121+50 TO STA. 158+00

SCALE: 1" = 100'

0 100' 200'

NOTE:
FOR GENERAL NOTES SEE SHEET G-001.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

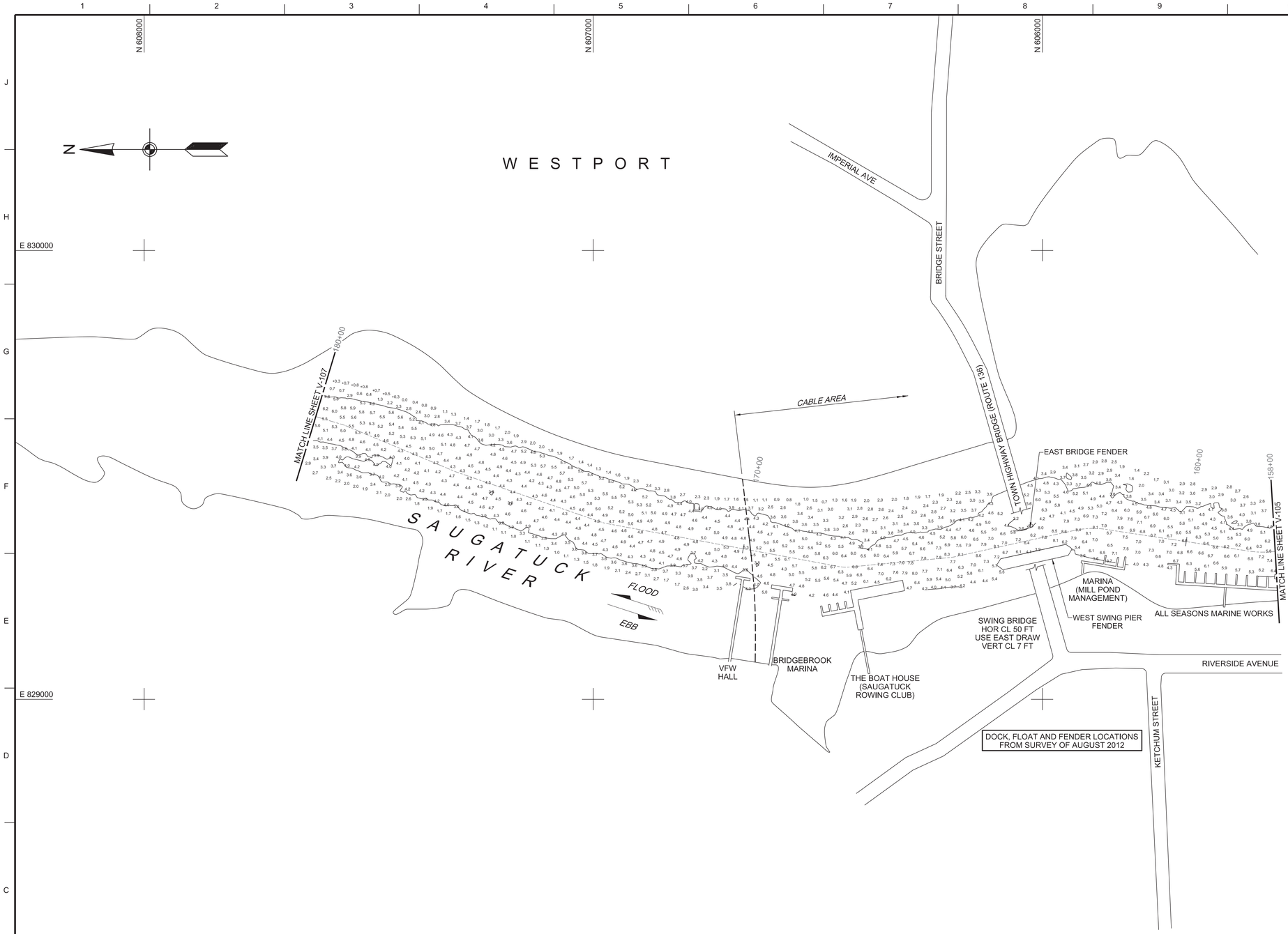
DWN BY: SWK
CHK BY: WHW
REVIEWED BY: Asst. Chief, Survey Sec.
APPROVED BY: For: Chief, Survey Section
ISSUE DATE: MARCH 6, 2017
DRAWING CODE: WES-749
SHEET 6 OF 9
SIZE: ANSI F
SCALE: 1:1

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

WESTPORT HARBOR AND SAUGATUCK RIVER
WESTPORT, CONNECTICUT
CONDITION SURVEY

4-FOOT CHANNEL

SHEET ID
V-105



A6 PLAN - STA. 158+00 TO STA. 180+00
SCALE: 1" = 100'
0 100' 200'

NOTE:
FOR GENERAL NOTES SEE SHEET G-001.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

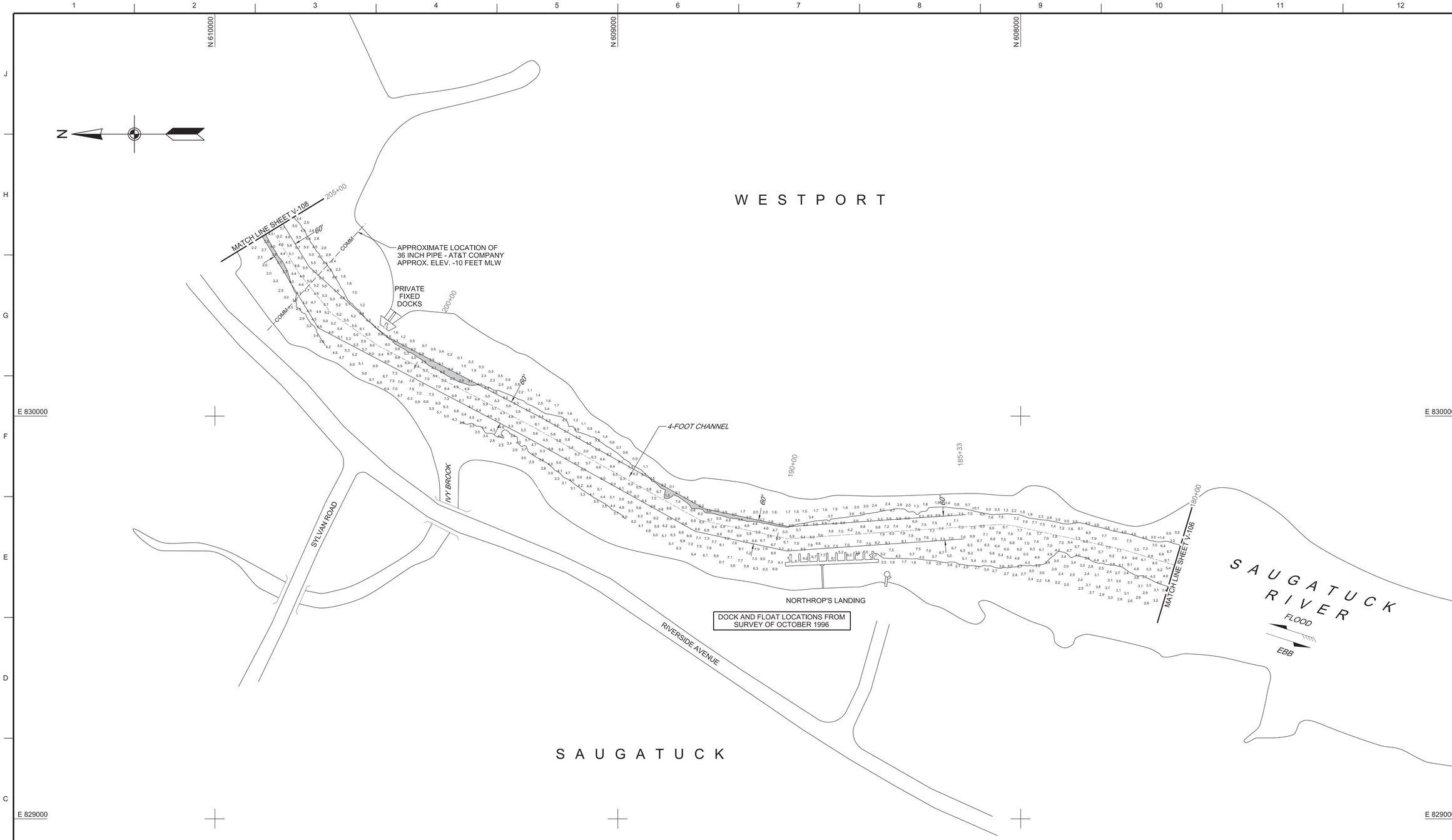
U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
696 VIRGINIA ROAD
CONCORD, MA 01742-2751

DWN BY: SWK
CHK BY: WHW
REVIEWED BY: [redacted] Chief, Survey Sec.
APPROVED BY: [redacted] Chief, Survey Section
SIZE: ANSI F
SCALE: 1:1
ISSUE DATE: MARCH 6, 2017
DRAWING CODE: WRB-749
SHEET 7 OF 9

WESTPORT HARBOR AND SAUGATUCK RIVER
WESTPORT, CONNECTICUT
CONDITION SURVEY

4-FOOT CHANNEL

SHEET ID
V-106



A6 PLAN - STA. 180+00 TO STA. 205+00

SCALE: 1" = 100'

0 100' 200'

NOTE:
FOR GENERAL NOTES SEE SHEET G-001.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

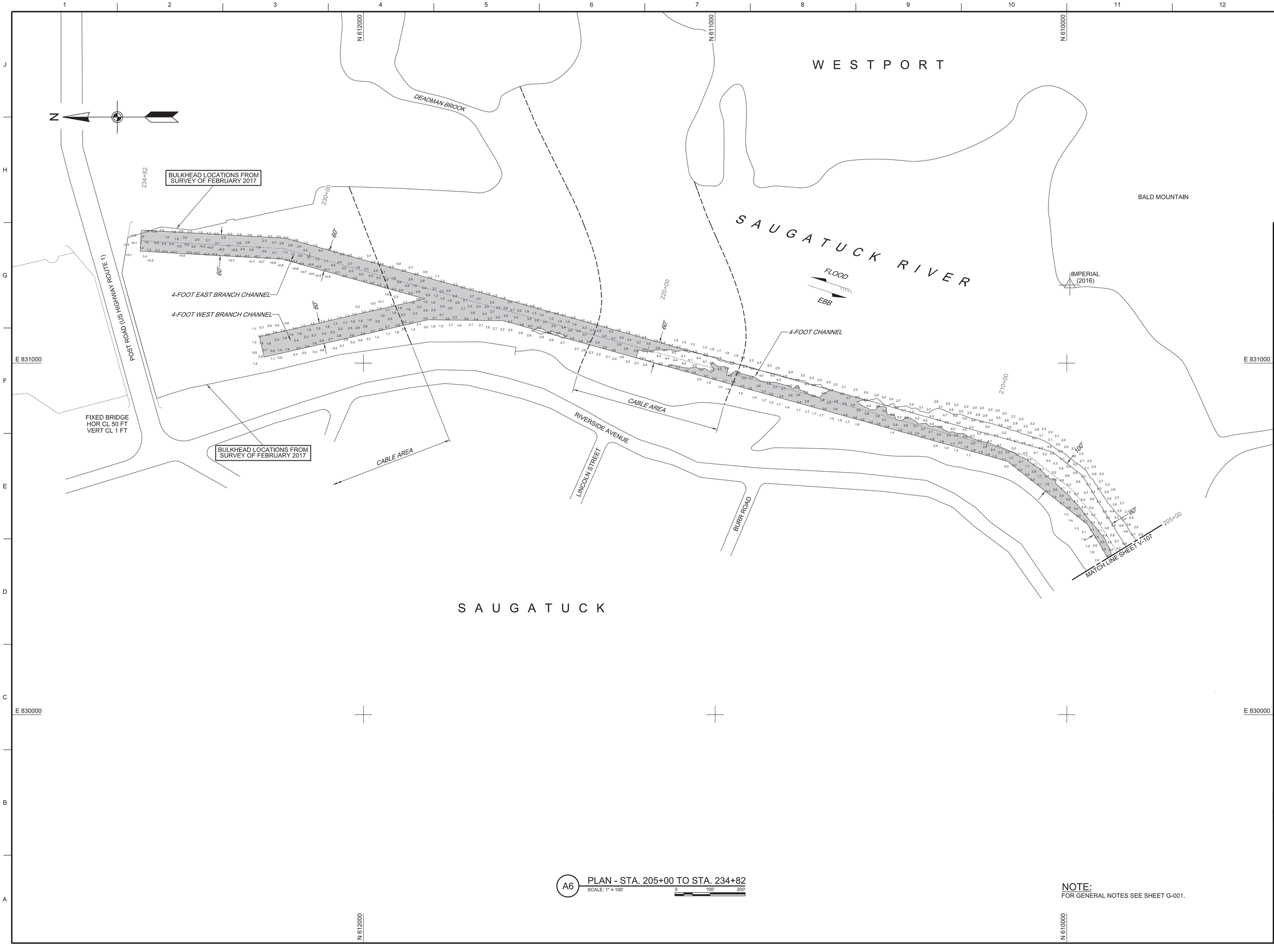
DWN BY: SWK
CHK BY: WHW
REVIEWED BY: Asst. Chief, Survey Sec.
APPROVED BY: For: Chief, Survey Section
ISSUE DATE: MARCH 6, 2017
DRAWING CODE: WES-749
SIZE: ANSI F
SCALE: 1:1
SHEET 8 OF 9

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

WESTPORT HARBOR AND SAUGATUCK RIVER
WESTPORT, CONNECTICUT
CONDITION SURVEY

4-FOOT CHANNEL

SHEET ID
V-107



A6 PLAN - STA. 205+00 TO STA. 234+82

SCALE: 1" = 100'

0 100' 200'

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
CHK BY: WHW
REVIEWED BY: Asst. Chief, Survey Sec.
APPROVED BY: Sr. Chief, Survey Section
SIZE: ANSI F
SCALE: 1:1
ISSUE DATE: MARCH 6, 2017
DRAWING CODE: WES-749
SHEET 9 OF 9

WESTPORT HARBOR AND SAUGATUCK RIVER
WESTPORT, CONNECTICUT
CONDITION SURVEY

4-FOOT CHANNEL

SHEET ID
V-108