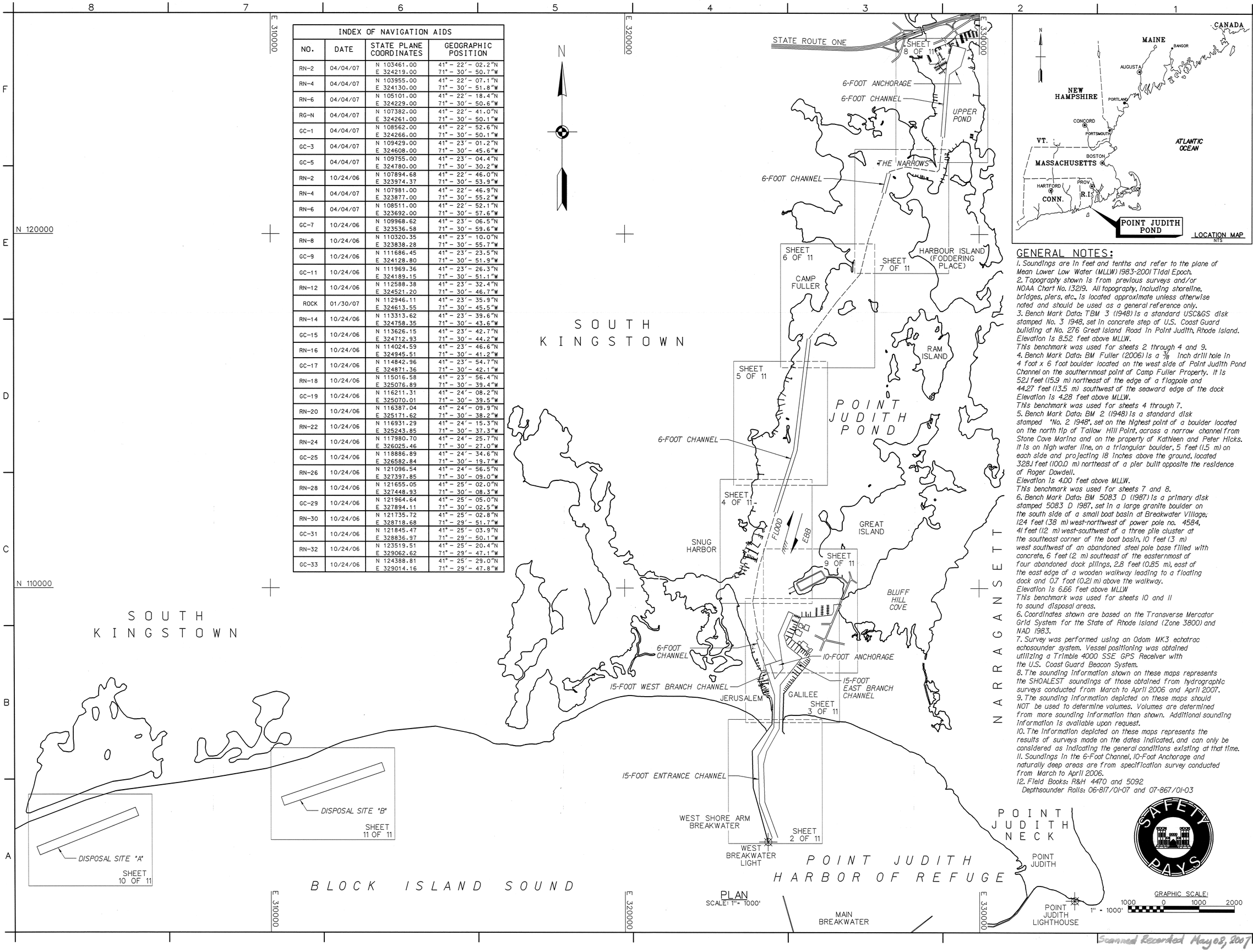
INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-2	04/04/07	N 103461.00 E 324219.00	41° - 22′- 02.2″N 71° - 30′- 50.7″W
RN-4	04/04/07	N 103955.00 E 324130.00	41° - 22′- 07.1″N 71° - 30′- 51.8″W
RN-6	04/04/07	N 105101.00 E 324229.00	41° - 22′- 18.4″N 71° - 30′- 50.6″W
RG-N	04/04/07	N 107382.00 E 324261.00	41° - 22′- 41.0″N 71° - 30′- 50.1″W
GC-1	04/04/07	N 108562.00 E 324266.00	41° - 22′- 52.6″N 71° - 30′- 50.1″W
GC-3	04/04/07	N 109429.00 E 324608.00	41° - 23′- 01.2″N 71° - 30′- 45.6″W
GC-5	04/04/07	N 109755.00 E 324780.00	41° - 23′- 04.4″N 71° - 30′- 30.2″W
RN-2	10/24/06	N 107894.68 E 323974.37	41° - 22′- 46.0″N 71° - 30′- 53.9″W
RN-4	04/04/07	N 107981.00 E 323877.00	41° - 22′- 46.9″N 71° - 30′- 55.2″W
RN-6	04/04/07	N 108511.00 E 323692.00	41° - 22′- 52.1″N 71° - 30′- 57.6″W
GC-7	10/24/06	N 109968.62 E 323536.58	41° - 23′- 06.5″N 71° - 30′- 59.6″W
RN-8	10/24/06	N 110320.35 E 323838.28	41° - 23′- 10.0″N 71° - 30′- 55.7″W
GC-9	10/24/06	N 111686.45 E 324128.80	41° - 23′- 23.5″N 71° - 30′- 51.9″W
GC-11	10/24/06	N 111969.36 E 324189.15	41° - 23′- 26.3″N 71° - 30′- 51.1″W
RN-12	10/24/06	N 112588.38 E 324521.20	41° - 23′- 32.4″N 71° - 30′- 46.7″W
ROCK	01/30/07	N 112946.11 E 324613.55	41° - 23′- 35.9″N 71° - 30′- 45.5″W
RN-14	10/24/06	N 113313.62 E 324758.35	41° - 23′- 39.6″N 71° - 30′- 43.6″W
GC-15	10/24/06	N 113626.15 E 324712.93	41° - 23′- 42.7″N 71° - 30′- 44.2″W
RN-16	10/24/06	N 114024.59 E 324945.51	41° - 23′- 46.6″N 71° - 30′- 41.2″W
GC-17	10/24/06	N 114842.96 E 324871.36	41° - 23′- 54.7″N 71° - 30′- 42.1″W
RN-18	10/24/06	N 115016.58 E 325076.89	41° - 23′- 56.4″N 71° - 30′- 39.4″W
GC-19	10/24/06	N 116211.31 E 325070.01	41° - 24′- 08.2″N 71° - 30′- 39.5″W
RN-20	10/24/06	N 116387.04 E 325171.62	41° - 24′- 09.9″N 71° - 30′- 38.2″W
RN-22	10/24/06	N 116931.29 E 325243.85	41° - 24′- 15.3″N 71° - 30′- 37.3″W
RN-24	10/24/06	N 117980.70 E 326025.46	41° - 24′- 25.7″N 71° - 30′- 27.0″W
GC-25	10/24/06	N 118886.89 E 326582.84	41° - 24′- 34.6″N 71° - 30′- 19.7″W
RN-26	10/24/06	N 121096.54 E 327397.85	41° - 24′- 56.5″N 71° - 30′- 09.0″W
RN-28	10/24/06	N 121655.05 E 327448.93	41° - 25′- 02.0″N 71° - 30′- 08.3″W
GC-29	10/24/06	N 121964.64 E 327894.11	41° - 25′- 05.0″N 71° - 30′- 02.5″W
RN-30	10/24/06	N 121735.72 E 328718.68	41° - 25′- 02.8″N 71° - 29′- 51.7″W
GC-31	10/24/06	N 121845.47 E 328836.97	41° - 25′- 03.9″N 71° - 29′- 50.1″W
RN-32	10/24/06	N 123519.51 E 329062.62	41° - 25′- 20.4″N 71° - 29′- 47.1″W
GC-33	10/24/06	N 124388.81 E 329014.16	41° - 25′- 29.0″N 71° - 29′- 47.8″W



GENERAL NOTES:

1. Soundings are in feet and tenths and refer to the plane of Mean Lower Low Water (MLLW) 1983-2001 Tidal Epoch.
2. Topography shown is from previous surveys and/or NOAA Chart No. 13219. 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: TBM 3 (1948) is a standard USC&GS disk stamped No. 3 1948, set in concrete step of U.S. Coast Guard building at No. 276 Great Island Road in Point Judith, Rhode Island. Elevation is 8.52 feet above MLLW.
This benchmark was used for sheets 2 through 4 and 9.
4. Bench Mark Data: BM Fuller (2006) is a 3/8 inch drill hole in 4 foot x 6 foot boulder located on the west side of Point Judith Pond Channel on the southernmost point of Camp Fuller Property. It is 52.1 feet (15.9 m) northeast of the edge of a flagpole and 44.27 feet (13.5 m) southwest of the seaward edge of the dock Elevation is 4.28 feet above MLLW.
This benchmark was used for sheets 4 through 7.
5. Bench Mark Data: BM 2 (1948) is a standard disk stamped "No. 2 1948", set on the highest point of a boulder located on the north tip of Tallow Hill Point, across a narrow channel from Stone Cove Marina and on the property of Kathleen and Peter Hicks. It is on high water line, on a triangular boulder, 5 feet (1.5 m) on each side and projecting 18 inches above the ground, located 328.1 feet (100.0 m) northeast of a pier built opposite the residence of Roger Dowdell.
Elevation is 4.00 feet above MLLW.
This benchmark was used for sheets 7 and 8.
6. Bench Mark Data: BM 5083 D (1987) is a primary disk stamped 5083 D 1987, set in a large granite boulder on the south side of a small boat basin at Breakwater Village, 124 feet (38 m) west-northwest of power pole no. 4584, 41 feet (12 m) west-southwest of a three pile cluster at the southeast corner of the boat basin, 10 feet (3 m) west southwest of an abandoned steel pole base filled with concrete, 6 feet (2 m) southeast of the easternmost of four abandoned dock pilings, 2.8 feet (0.85 m), east of the east edge of a wooden walkway leading to a floating dock and 0.7 foot (0.21 m) above the walkway.
Elevation is 6.66 feet above MLLW
This benchmark was used for sheets 10 and 11 to sound disposal areas.
6. Coordinates shown are based on the Transverse Mercator Grid System for the State of Rhode Island (Zone 3800) and NAD 1983.
7. Survey was performed using an Odom MK3 echotrac echosounder system. Vessel positioning was obtained utilizing a Trimble 4000 SSE GPS Receiver with the U.S. Coast Guard Beacon System.
8. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted from March to April 2006 and April 2007.
9. 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.
10. The information depicted on these maps represents the results of surveys made on the dates indicated, and can only be considered as indicating the general conditions existing at that time.
11. Soundings in the 6-Foot Channel, 10-Foot Anchorage and naturally deep areas are from specification survey conducted from March to April 2006.
12. Field Books: R&H 4470 and 5092
Depthsounder Rolls: 06-817/01-07 and 07-867/01-03

PLAN
SCALE: 1"= 1000'

GRAPHIC SCALE:
1000 0 1000 2000
1" = 1000'

US Army Corps of Engineers
New England District

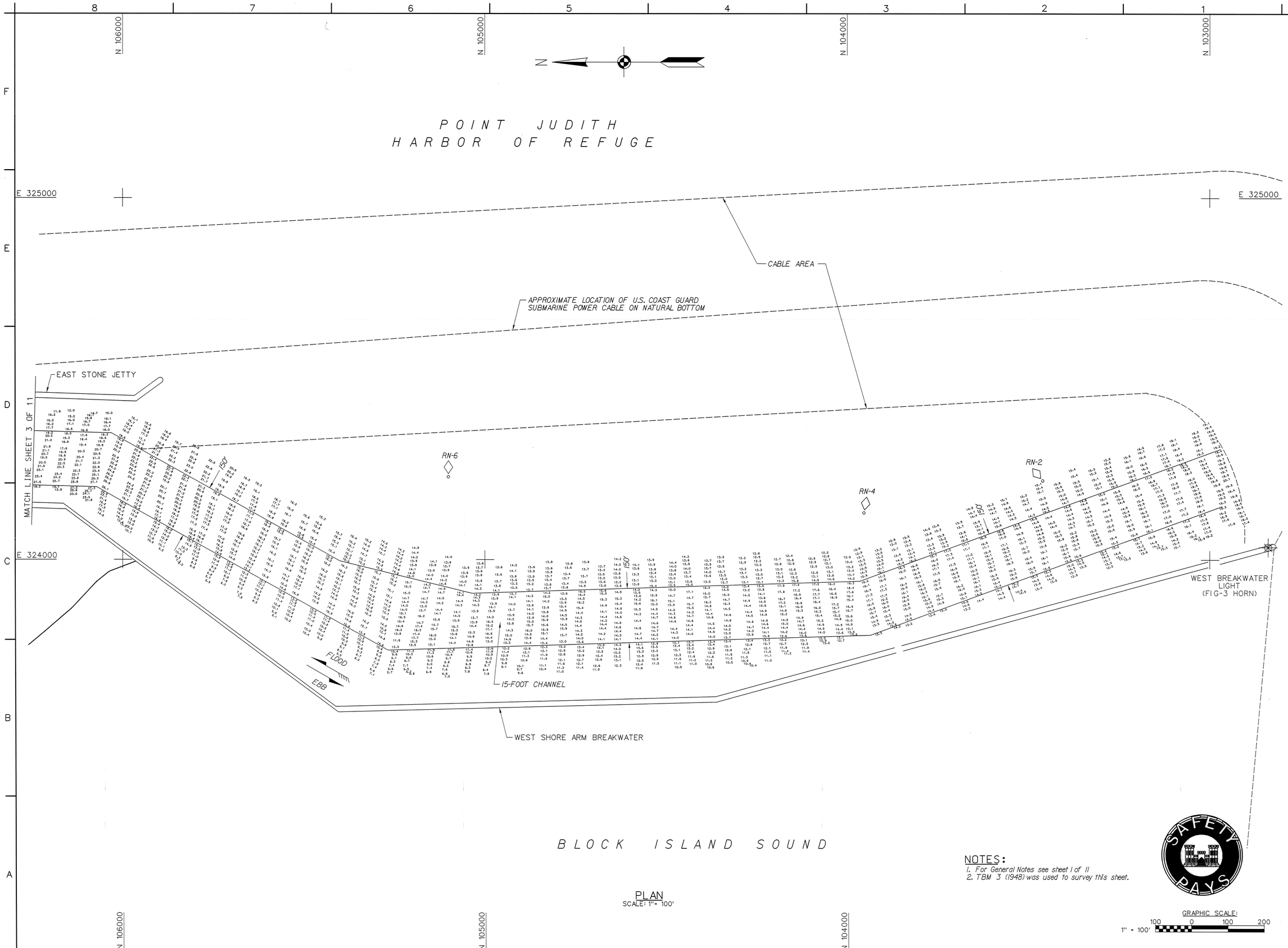
Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

Date: 5/8/07
Rev:
Design file:
Drawing code:
P.J. 225
File name: PJWV03.S01
Plot date: 05/08/07
Plot scale: 1" = 1000'
Surveyed By: Roger MacGovern, Michael Gray, Stephen Wilkey
Plotted By: Stephen Wilkey
Asst. Chief, Survey Section
Chief, Survey Section
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

POINT JUDITH POND AND HARBOR OF REFUGE
SOUTH KINGSTOWN AND NARRAGANSETT, RI
AFTER DREDGE SURVEY
6 AND 15-FOOT CHANNELS AND 6-FOOT ANCHORAGE

Reference number:
V-101
Sheet 1 of 11

Scanned Recorded May 08, 2007



PLAN
SCALE: 1" = 100'

NOTES:
1. For General Notes see sheet 1 of 11
2. TBM 3 (1948) was used to survey this sheet.

SAFETY PAYS

GRAPHIC SCALE:
1" = 100'
100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

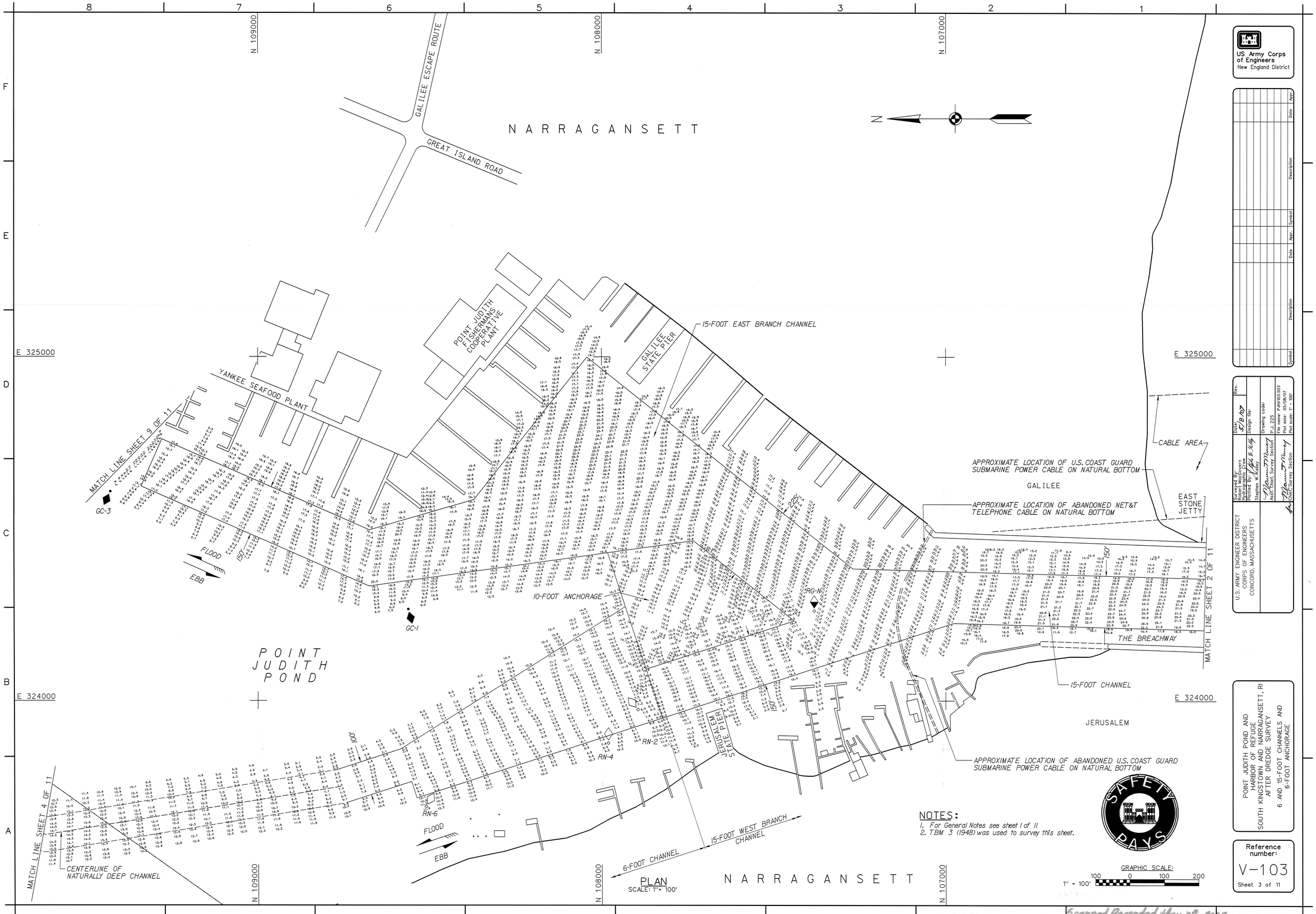
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: Robert MacGovern, Hydrographic Crew
Plotted By: Stephen W. Kelley
Asst. Chief, Survey Section
Chief, Survey Section
Date: 5/8/07
Design file:
Drawing code: P.J. 225
File name: P:#NV102.S02
Plot date: 05/08/07
Plot scale: 1" = 100'
Rev.

POINT JUDITH POND AND HARBOR OF REFUGE
SOUTH KINGSTOWN AND NARRAGANSETT, RI
AFTER DREDGE SURVEY
6 AND 15-FOOT CHANNELS AND 6-FOOT ANCHORAGE

Reference number:
V-102
Sheet 2 of 11

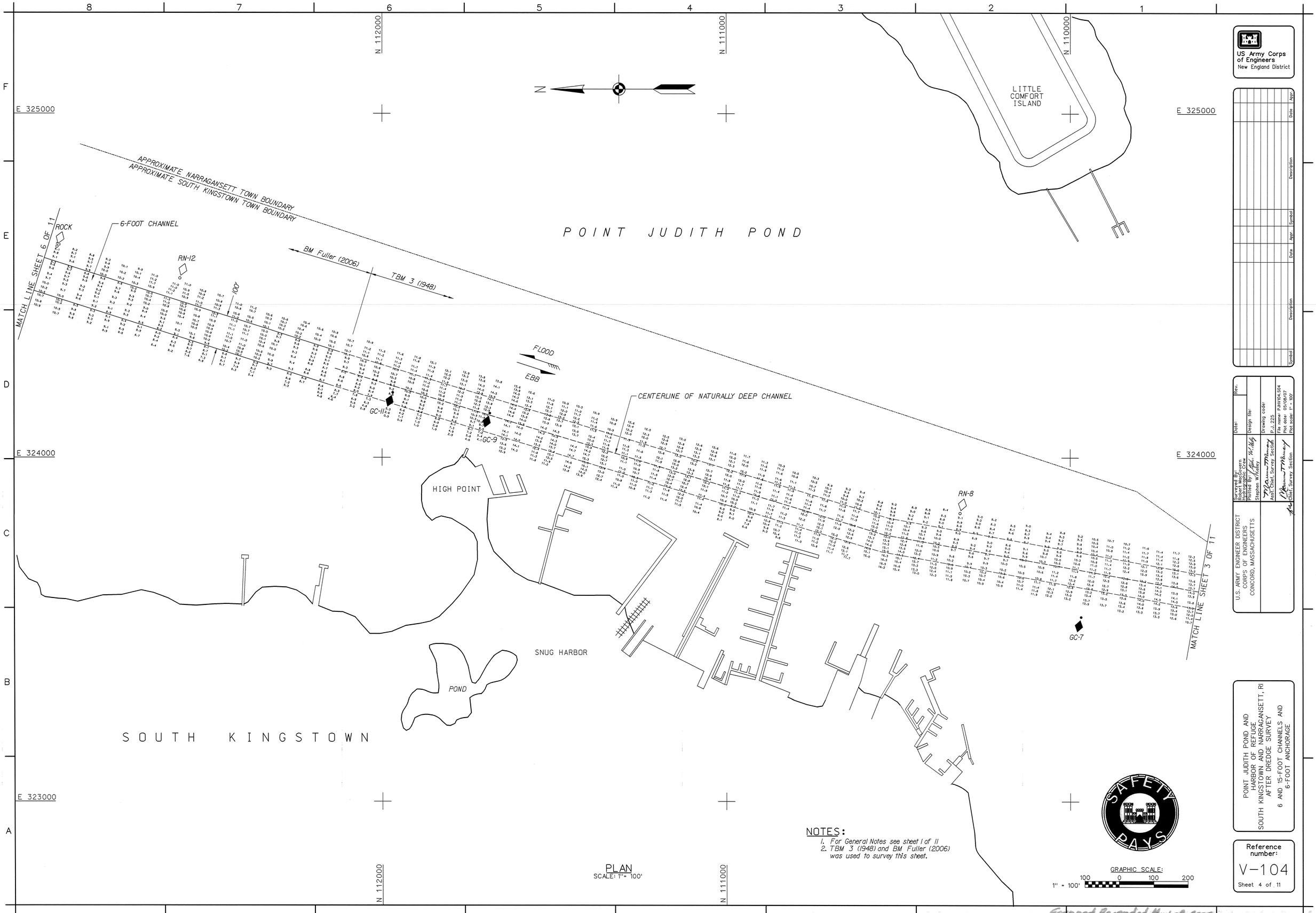
Scanned Recorded May 08, 2007



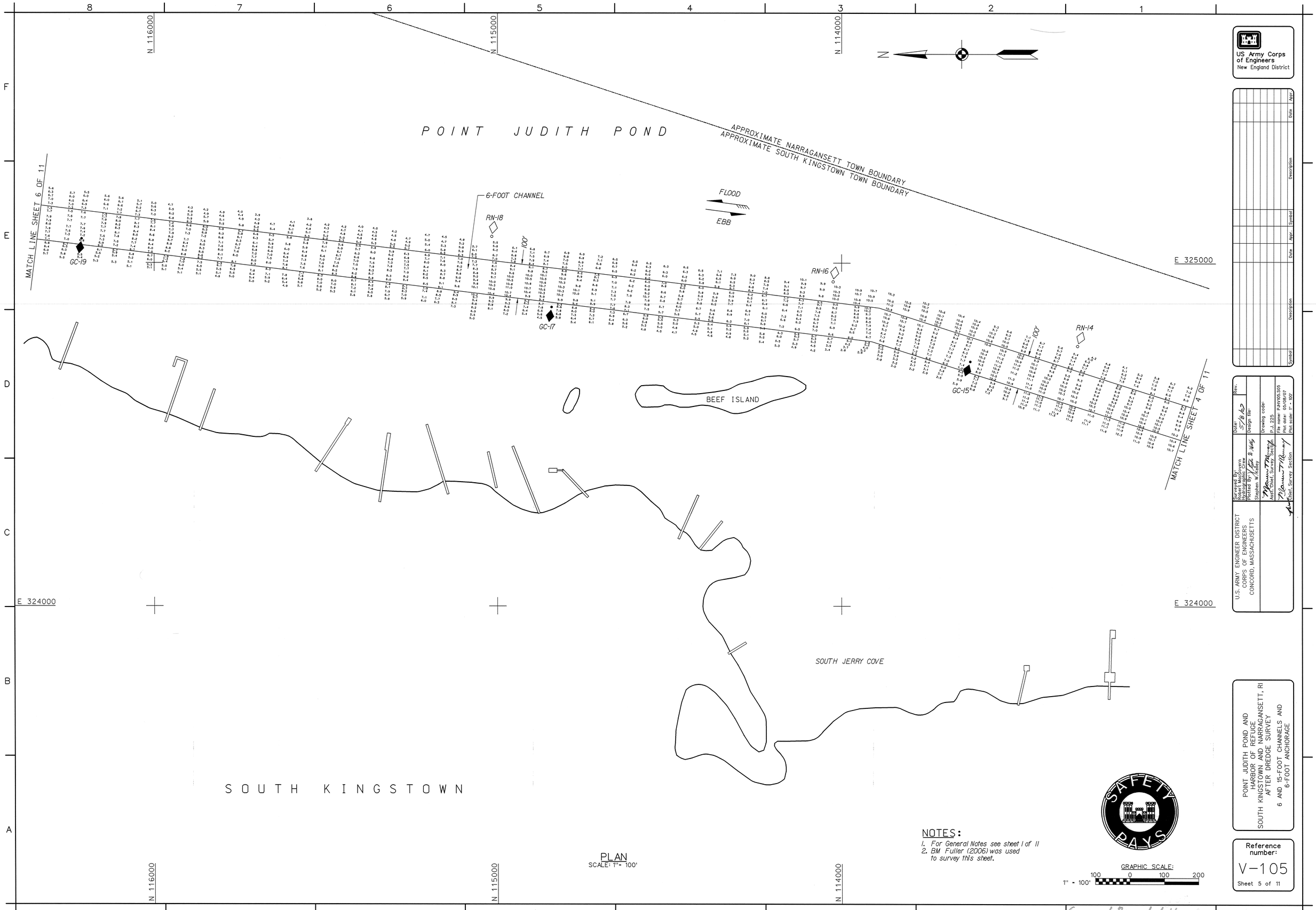
NOTES:
1. For General Notes see sheet 1 of 11
2. TBM 3 (1948) was used to survey this sheet.

PLAN
SCALE: 1" = 100'

Scanned Recorded May 08, 2007



Scanned Recorded May 08, 2007



PLAN
SCALE: 1" = 100'

NOTES:
1. For General Notes see sheet 1 of 11
2. BM Fuller (2006) was used to survey this sheet.

GRAPHIC SCALE:
100 0 100 200
1" = 100'

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

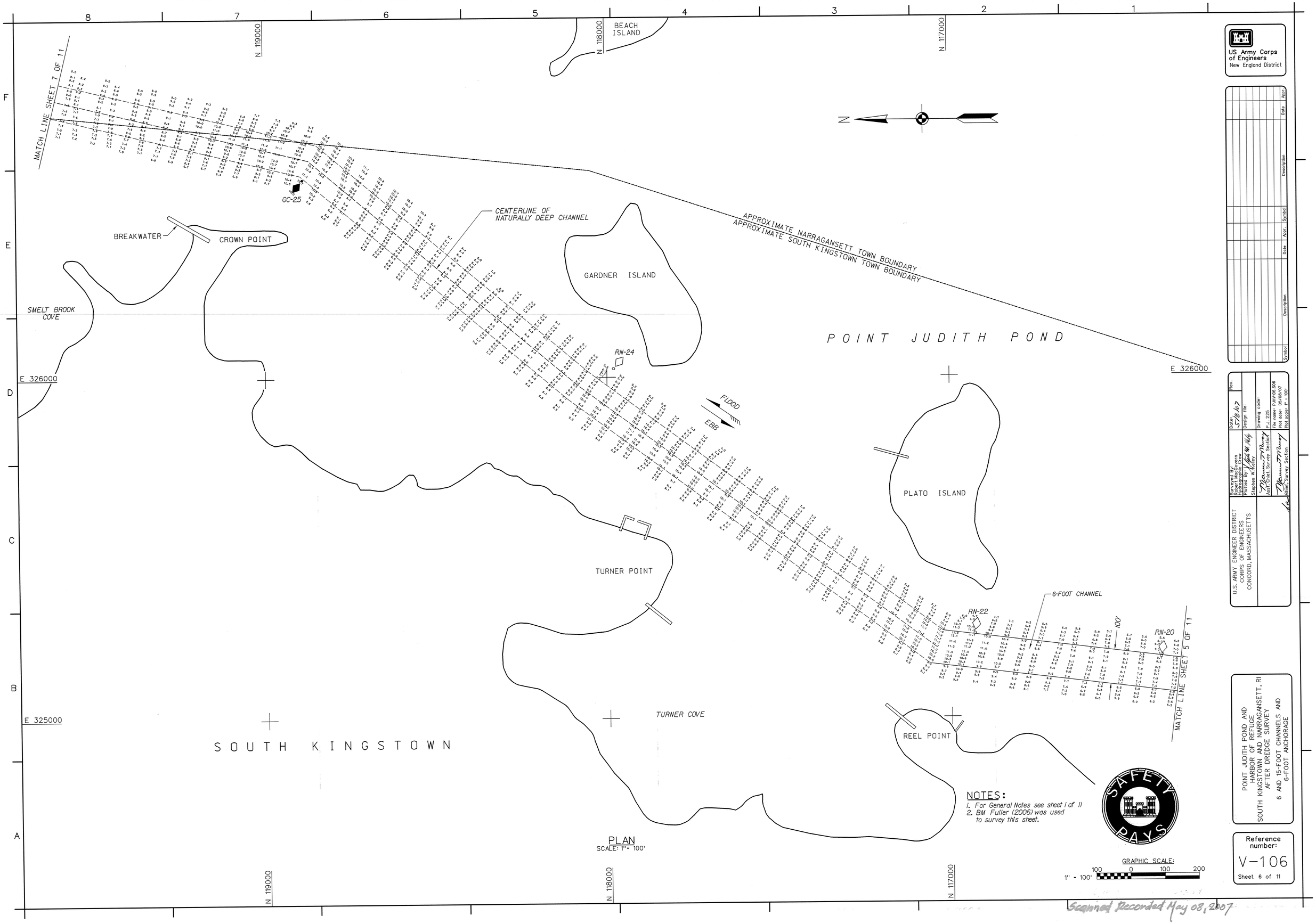
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: Robert MacGovern, Hydrographic Crew
Plotted By: Stephen W. Kelley
Asst. Chief, Survey Section
Chief, Survey Section
Date: 5/8/07
Design file:
Drawing code: P.J. 225
File name: PJHV105.505
Plot date: 05/08/07
Plot scale: 1" = 100'

POINT JUDITH POND AND
HARBOR OF REFUGE
SOUTH KINGSTOWN AND NARRAGANSETT, RI
AFTER DREDGE SURVEY
6 AND 15-FOOT CHANNELS AND
6-FOOT ANCHORAGE

Reference number:
V-105
Sheet 5 of 11

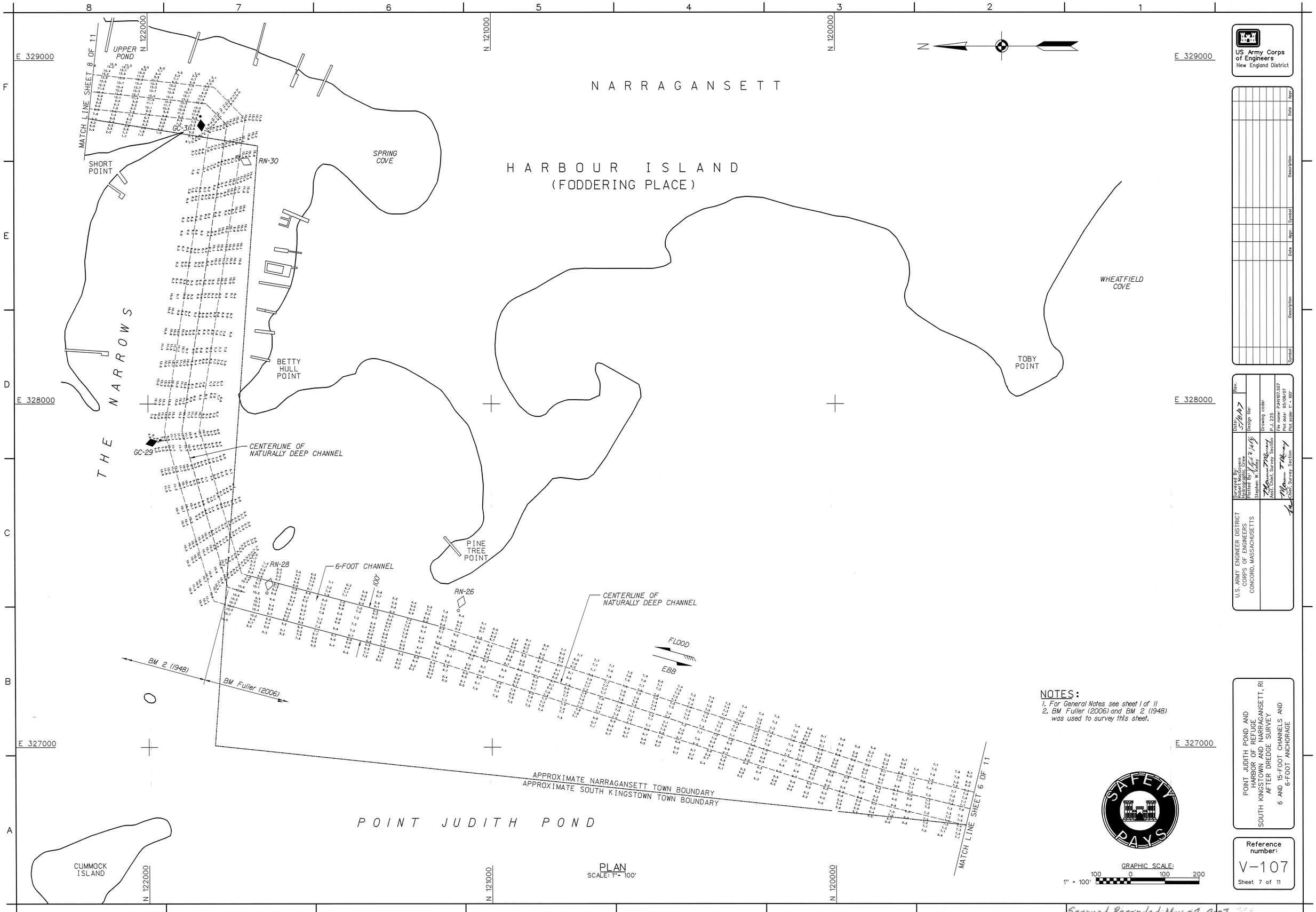
Scanned Recorded May 08, 2007



PLAN
SCALE: 1" = 100'

NOTES:
1. For General Notes see sheet 1 of 11
2. BM Fuller (2006) was used to survey this sheet.

Scanned Recorded May 08, 2007



PLAN
SCALE: 1" = 100'

NOTES:
1. For General Notes see sheet 1 of 11
2. BM Fuller (2006) and BM 2 (1948) was used to survey this sheet.

GRAPHIC SCALE:
1" = 100'
100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

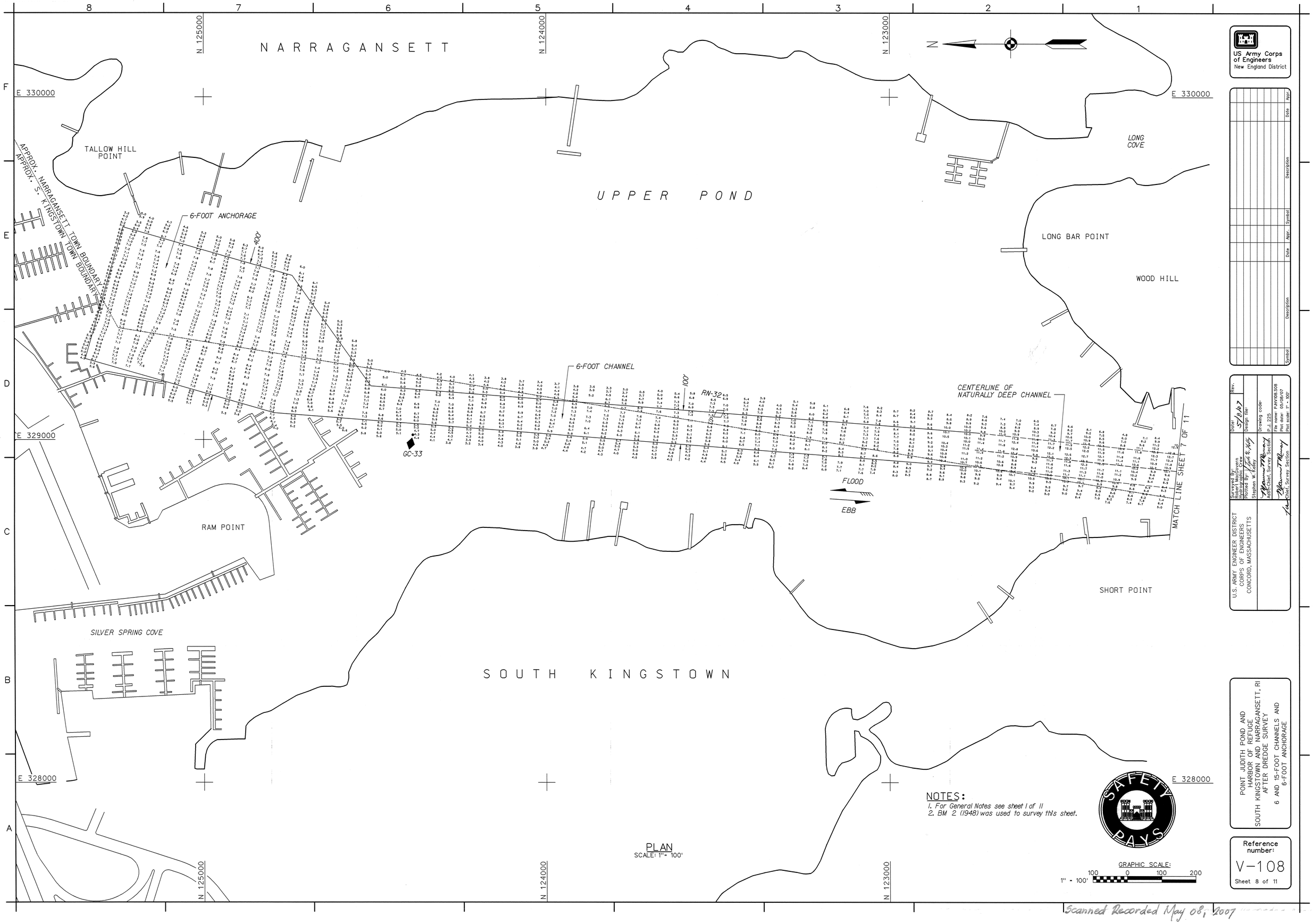
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: Robert MacGovern, Hydrographic Crew
Plotted By: Stephen W. Kelley
Asst. Chief, Survey Section
Chief, Survey Section
Date: 5/8/07
Design file:
Drawing code: P.J. 225
File name: PJHV107.S07
Plot date: 05/08/07
Plot scale: 1" = 100'
Rev.

POINT JUDITH POND AND HARBOR OF REFUGE
SOUTH KINGSTOWN AND NARRAGANSETT, RI
AFTER DREDGE SURVEY
6 AND 15-FOOT CHANNELS AND 6-FOOT ANCHORAGE

Reference number:
V-107
Sheet 7 of 11

Scanned Recorded May 08, 2007



PLAN
SCALE: 1" = 100'

NOTES:
1. For General Notes see sheet 1 of 11
2. BM 2 (1948) was used to survey this sheet.

GRAPHIC SCALE:
1" = 100'
100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

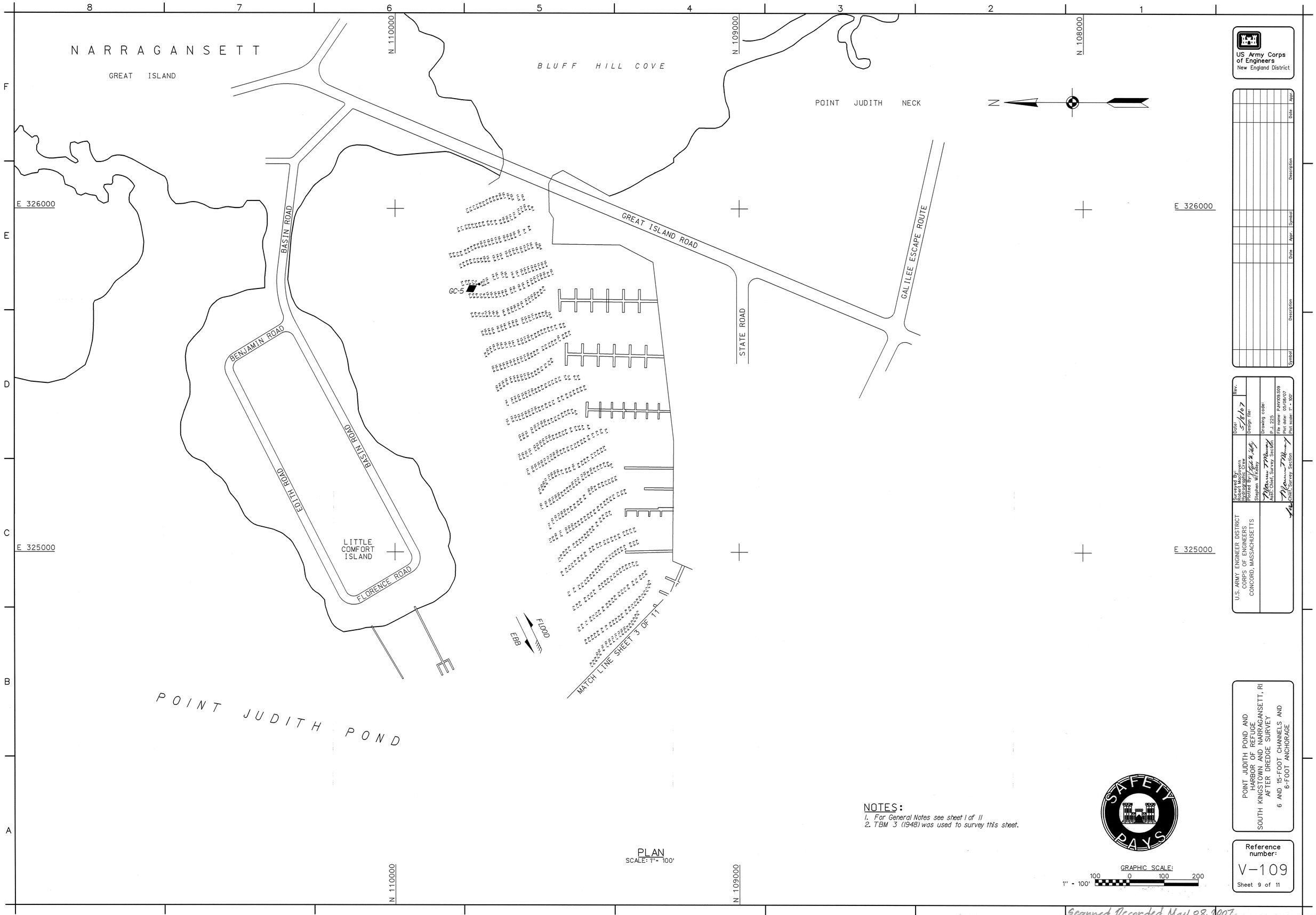
Surveyed By: Robert MacGovern, Hydrographic Crew
Plotted By: Stephen W. Kelley
Asst. Chief, Survey Section
Chief, Survey Section

Date: 5/8/07
Design file:
Drawing code: P.J. 225
File name: P:\HV108.S08
Plot date: 05/08/07
Plot scale: 1" = 100'

POINT JUDITH POND AND HARBOR OF REFUGE
SOUTH KINGSTOWN AND NARRAGANSETT, RI
AFTER DREDGE SURVEY
6 AND 15-FOOT CHANNELS AND 6-FOOT ANCHORAGE

Reference number:
V-108
Sheet 8 of 11

Scanned Recorded May 08, 2007



PLAN
SCALE: 1" = 100'

NOTES:
1. For General Notes see sheet 1 of 11
2. TBM 3 (1948) was used to survey this sheet.

GRAPHIC SCALE:
1" = 100'
100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

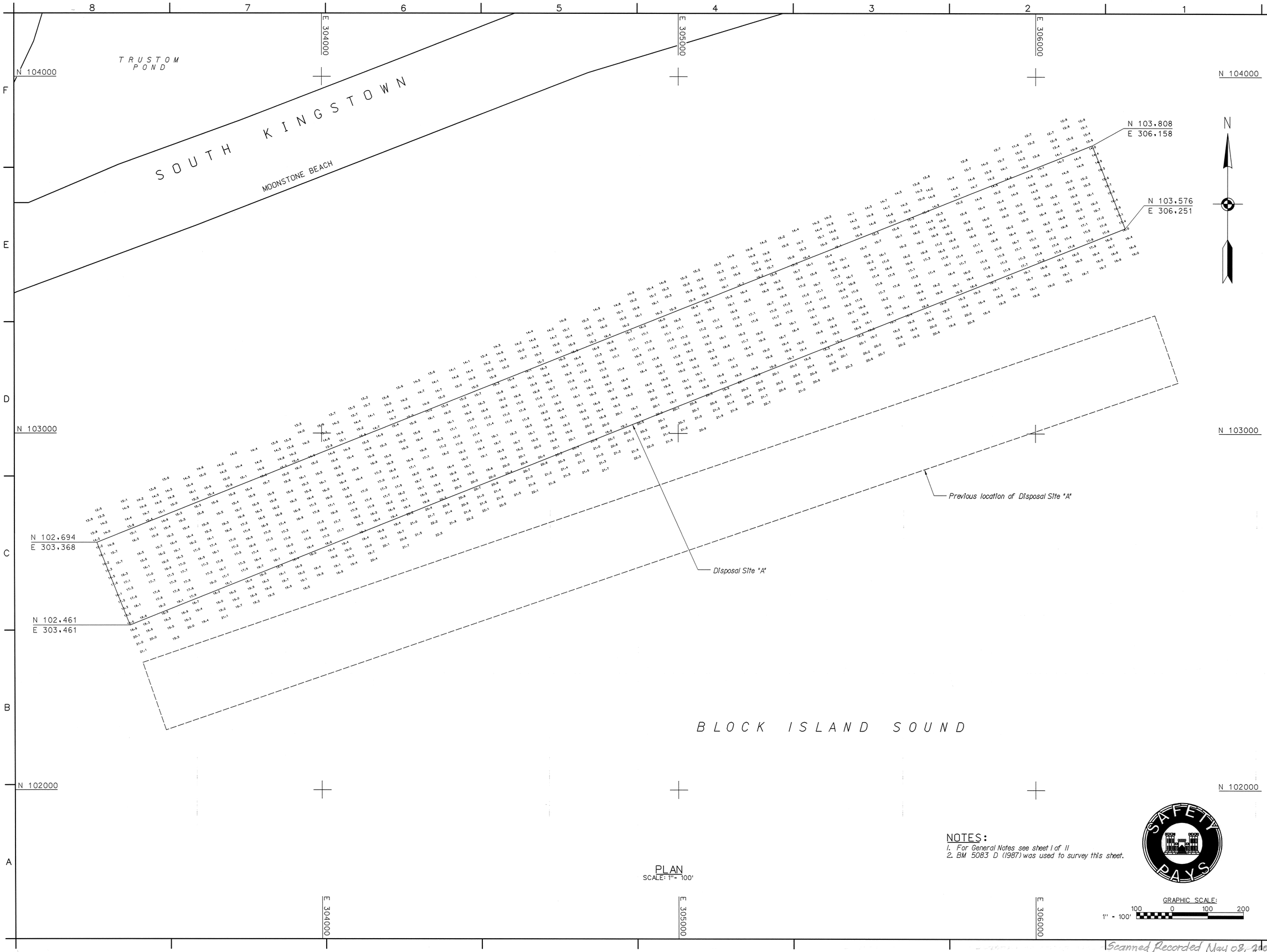
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: Robert MacGovern, Hydrographic Crew
Plotted By: Stephen W. Kelley
Date: 5/8/07
Rev.
Design file:
Drawing code: P.J. 225
File name: P-HW109.S09
Plot date: 05/08/07
Plot scale: 1" = 100'
Asst. Chief, Survey Section
Chief, Survey Section

POINT JUDITH POND AND HARBOR OF REFUGE
SOUTH KINGSTOWN AND NARRAGANSETT, RI
AFTER DREDGE SURVEY
6 AND 15-FOOT CHANNELS AND 6-FOOT ANCHORAGE

Reference number:
V-109
Sheet 9 of 11

Scanned Recorded May 08, 2007



PLAN
SCALE: 1" = 100'

NOTES:
1. For General Notes see sheet 1 of 11
2. BM 5083 D (1987) was used to survey this sheet.

GRAPHIC SCALE:
1" = 100'
100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

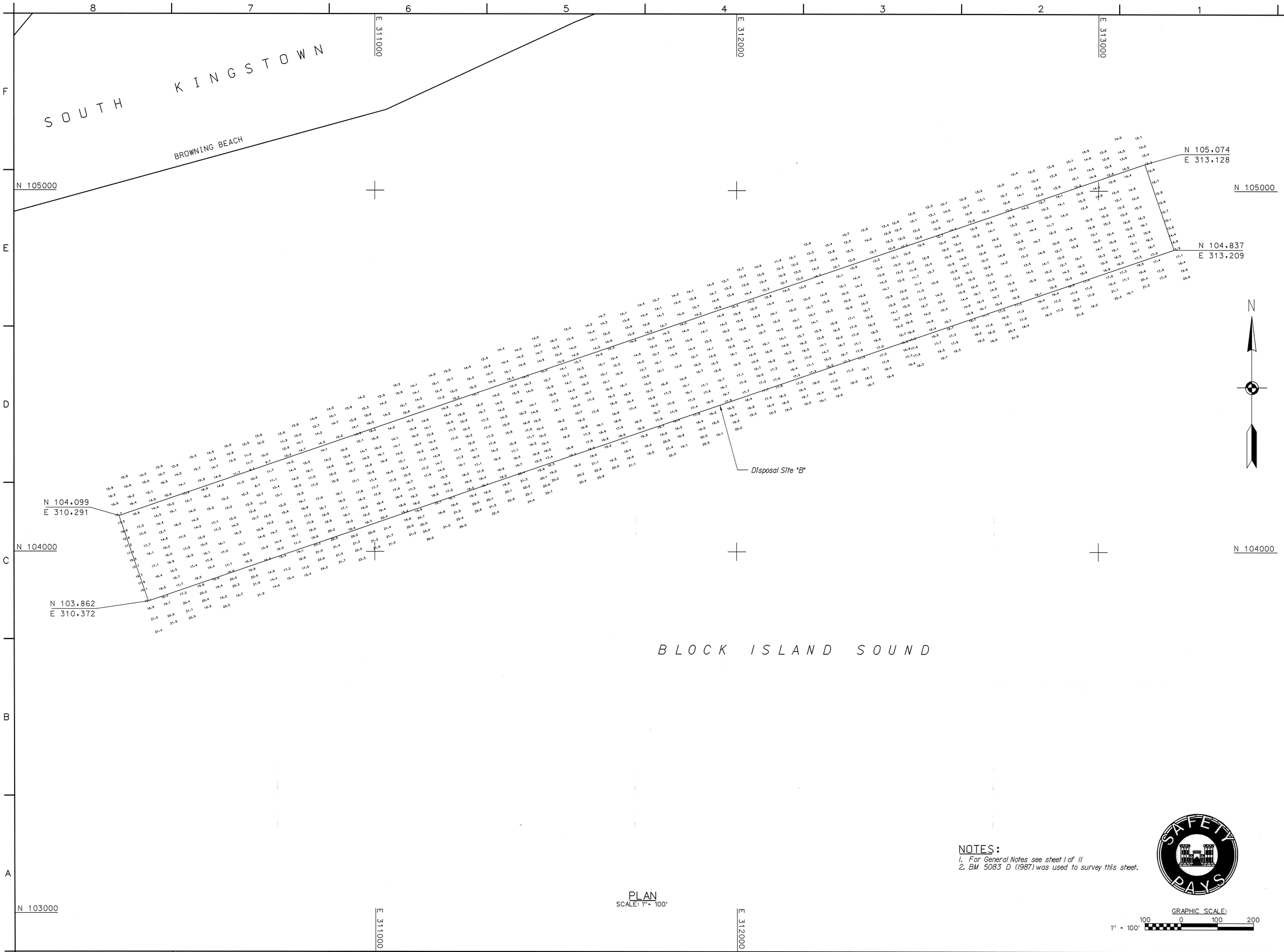
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: Robert MacGovern, Hydrographic Crew
Plotted By: Stephen W. Kelley
Date: 5/8/07
Design file:
Drawing code: P.J. 225
File name: P-JHV110.S10
Plot date: 05/08/07
Plot scale: 1" = 100'
Rev.
Asst. Chief, Survey Section
Chief, Survey Section

POINT JUDITH POND AND HARBOR OF REFUGE
SOUTH KINGSTOWN AND NARRAGANSETT, RI
AFTER DREDGE SURVEY
6 AND 15-FOOT CHANNELS AND 6-FOOT ANCHORAGE

Reference number:
V-110
Sheet 10 of 11

Scanned Recorded May 08, 2007



PLAN
SCALE: 1" = 100'

NOTES:
1. For General Notes see sheet 1 of 11
2. BM 5083 D (1987) was used to survey this sheet.

GRAPHIC SCALE:
1" = 100'
100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: Robert MacGovern
Hydrographic Crew
Plotted By: Stephen W. Kelley
Asst. Chief, Survey Section
Chief, Survey Section

Date: 5/8/07
Design file:
Drawing code: P.J. 225
File name: P4NV111.S11
Plot date: 05/08/07
Plot scale: 1" = 100'
Rev.

POINT JUDITH POND AND HARBOR OF REFUGE
SOUTH KINGSTOWN AND NARRAGANSETT, RI
AFTER DREDGE SURVEY
6 AND 15-FOOT CHANNELS AND 6-FOOT ANCHORAGE

Reference number:
V-111
Sheet 11 of 11

Scanned Recorded May 08, 2007