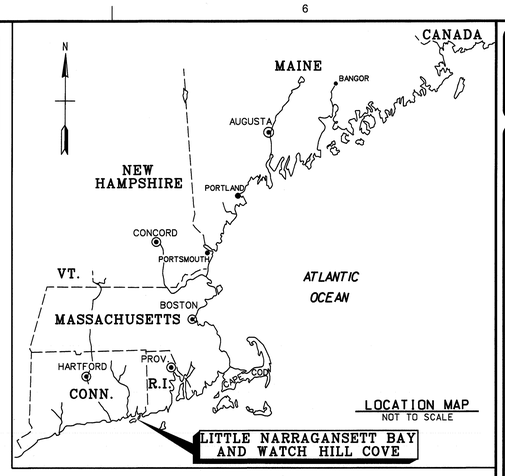
INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-4	01/03/13	N 90065.05 E 217815.93	41° - 19′ - 47.4″N 71 - 54′ - 05.3″W
GC-5	01/03/13	N 91011.67 E 218983.03	41° - 19′ - 56.8″N 71° - 53′ - 50.1″W
GC-7	01/03/13	N 90698.07 E 220102.45	41° - 19′ - 53.7″N 71° - 53′ - 35.4″W
GC-9	06/19/12	N 90673.10 E 220999.35	41° - 19′ - 53.5″N 71° - 53′ - 23.6″W
RN-10	06/19/12	N 90428.39 E 221802.29	41° - 19′ - 51.1″N 71° - 53′ - 13.1″W
GC-11	06/19/12	N 90662.98 E 222172.02	41° - 19′ - 53.5″N 71° - 53′ - 08.3″W
Fl G-13	06/19/12	N 90403.85 E 223418.52	41° - 19′ - 50.9″N 71° - 52′ - 51.9″W
RN-14	06/19/12	N 89422.42 E 224873.80	41° - 19′ - 41.3″N 71° - 52′ - 32.8″W
RN-16	06/19/12	N 88810.69 E 226063.22	41° - 19′ - 35.3″N 71° - 52′ - 17.2″W
RN-16A	06/19/12	N 88223.84 E 227309.11	41° - 19′ - 29.6″N 71° - 52′ - 00.8″W
GC-17	06/19/12	N 88369.53 E 227370.48	41° - 19′ - 31.0″N 71° - 52′ - 00.0″W

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-18	06/19/12	N 88002.75 E 227728.43	41° - 19′ - 27.4″N 71° - 51′ - 55.3″W
Fl G-19	06/19/12	N 88115.78 E 227845.98	41° - 19′ - 28.5″N 71° - 51′ - 53.8″W
RN-20	06/19/12	N 87251.51 E 228621.21	41° - 19′ - 20.0″N 71° - 51′ - 43.6″W
RN-22	06/19/12	N 86877.20 E 229015.58	41° - 19′ - 16.3″N 71° - 51′ - 38.4″W
Fl G-23	06/19/12	N 86723.87 E 229488.37	41° - 19′ - 14.8″N 71° - 51′ - 32.2″W
GC-1	06/19/12	N 84439.71 E 228843.43	41° - 18′ - 52.3″N 71° - 51′ - 40.5″W
Fl R-2	06/19/12	N 84501.76 E 228665.23	41° - 18′ - 52.9″N 71° - 51′ - 42.8″W
GC-3	06/19/12	N 83746.91 E 228806.19	41° - 18′ - 45.4″N 71° - 51′ - 40.9″W
RN-4	06/19/12	N 83725.34 E 228713.37	41° - 18′ - 45.2″N 71° - 51′ - 42.2″W
GC-5	06/19/12	N 83014.41 E 229408.26	41° - 18′ - 38.2″N 71° - 51′ - 33.0″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. 13214. 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 1.81 feet. The correction is published by NOAA for the Bench Marks at Watch Hill Point, Rhode Island, (Station ID 8458694, 04/01/2004).
   No tide gauges were used on this project.
4. Coordinates shown are based on the Transverse Mercator Grid System for the State of Rhode Island (Zone 3800) and NAD 1983.
5. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were recorded utilizing a Leica 1200 RTK GPS System. MTS Pawcatuck was used as the RTK Base Station for this survey.
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during June 2012, January and April 2013.
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 general conditions existing at that time.
9. Field Book: R&H 5077
   10-foot depth contour shown thus: ~~~~~
   Surveyed by: Robert MacGovern and crew
   Refer to Survey Nos. 12-1208, 13-1239 and 13-1257

CONNECTICUT
STONINGTON
EDWARDS POINT
ELIHU ISLAND
WEQUETEQUOCK COVE
BANDELL NECK
SANDY POINT
Stonington Harbor Lighthouse
STONINGTON POINT
SANDY POINT ISLAND
10-FOOT CHANNEL
BARN ISLAND
PAWCATUCK POINT
LITTLE NARRAGANSETT BAY
FISHERS ISLAND SOUND
SHEET 2 OF 6
SHEET 3 OF 6
SHEET 4 OF 6
SHEET 5 OF 6
SHEET 6 OF 6
FOSTER COVE
10-FOOT CHANNEL
RHODE ISLAND
WESTERLY
10-FOOT ANCHORAGE BASIN
WATCH HILL COVE
NAPATREE POINT
RHODE ISLAND SOUND
N 90000
N 85000
E 220000
E 225000
E 230000

PLAN
SCALE: 1" = 500'

GRAPHIC SCALE:
500 0 500 1000
1" = 500'

SAFETY PAYS

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New England District

MARK	DESCRIPTION	DATE	APPR.

DATE: 7/8/2013	
DWN BY: SWK	CKD BY: JWP
DESIGN FILE: MASTER.DGN	
PLOT SCALE: 1" = 500'	PLOT DATE: 7/08/2013
SIZE: ANSI E	DRAWING CODE: LNB-613
REVIEWED BY: Jeffrey Porter, P.E.	FILE NAME: NBSQ13TS01.SS1
SUBMITTED BY: Jeffrey Porter, P.E.	

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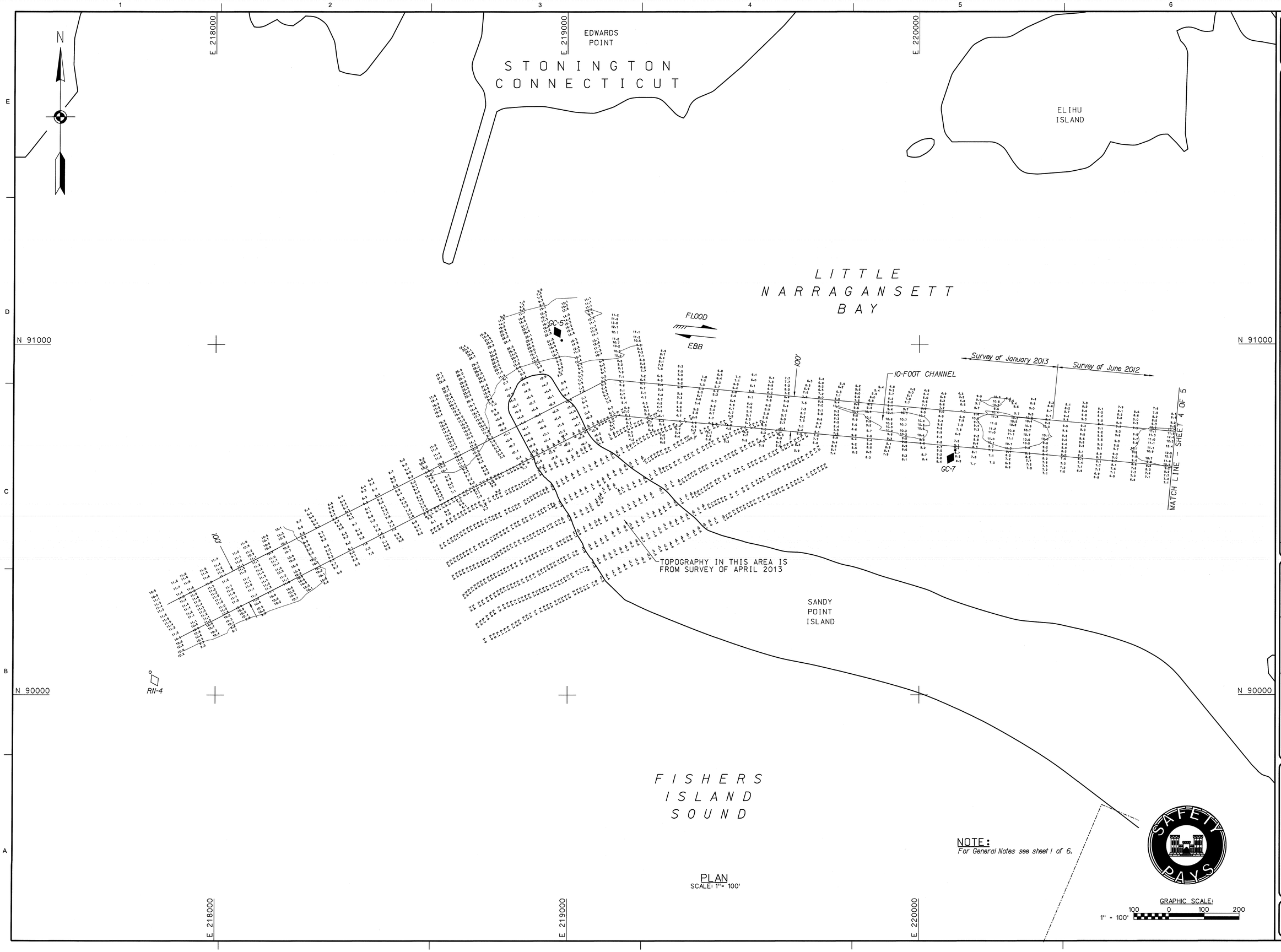
LITTLE NARRAGANSETT BAY
AND WATCH HILL COVE
RHODE ISLAND AND CONNECTICUT
CONDITION SURVEY

10-FOOT CHANNEL AND ANCHORAGE

SHEET IDENTIFICATION
V-101
SHEET 1 OF 6



NOTE:
For General Notes see sheet 1 of 6.

PLAN
SCALE: 1" = 100'

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

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MARK	DESCRIPTION	DATE	APPR

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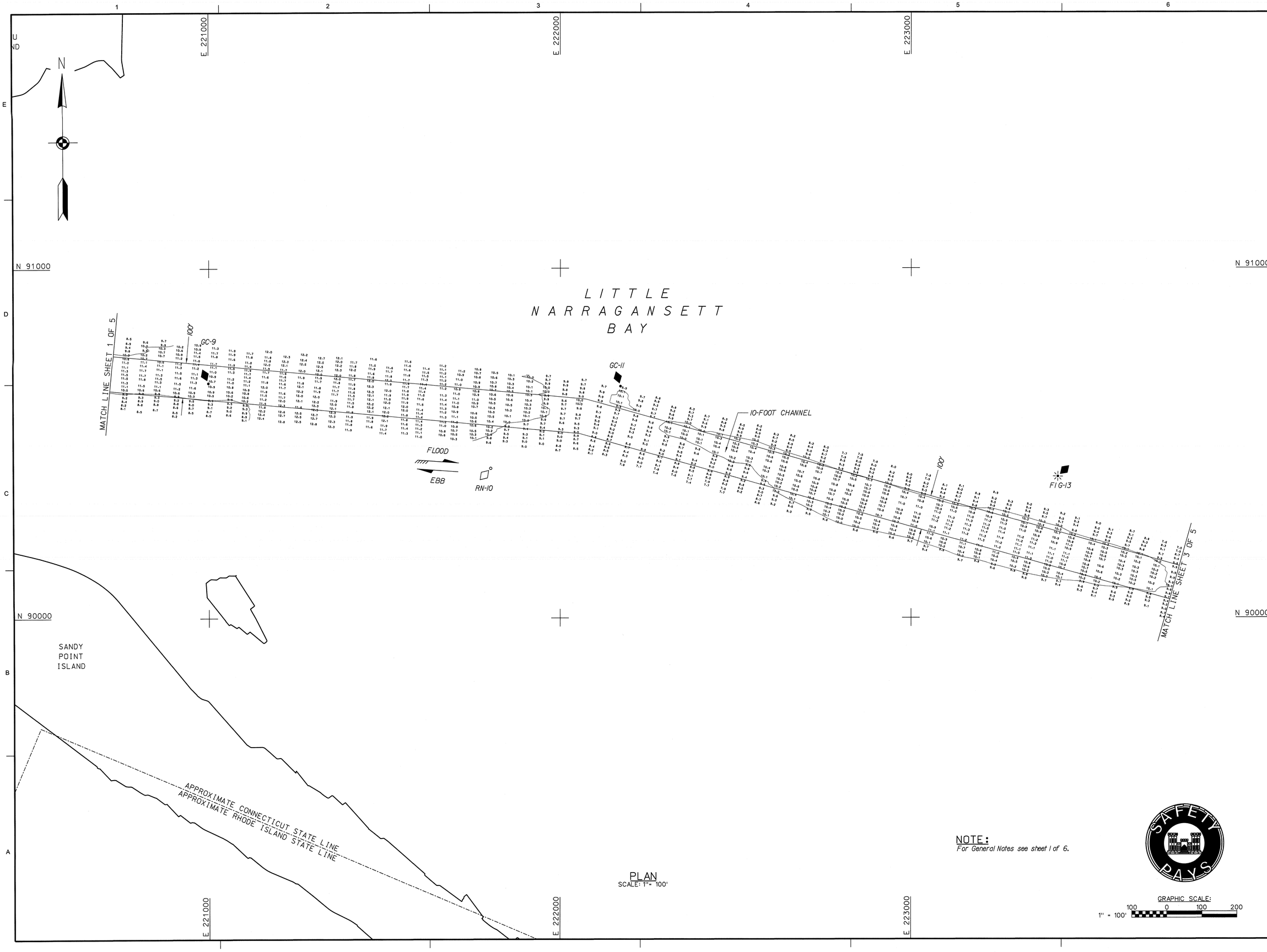
REVIEWED BY: Jeffrey Sutton
SUBMITTED BY: Geoff Sutton
PLOT SCALE: 1" = 100'
PLOT DATE: 7/08/2013
SIZE: ANSI F
FILE NAME: LN86I3V102.S02
DATE: 7/9/2013
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: LN86I3P3.DGN
DRAWING CODE: LN86I3

LITTLE NARRAGANSETT BAY AND WATCH HILL COVE
RHODE ISLAND AND CONNECTICUT
CONDITION SURVEY

10-FOOT CHANNEL AND ANCHORAGE

SHEET IDENTIFICATION
V-102
SHEET 2 OF 6



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see sheet 1 of 6.

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

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MARK	DESCRIPTION	DATE	APPR

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REVIEWED BY: Paul Kelley, Survey Section
SUBMITTED BY: Chief Survey Section
DATE: 7/8/2013
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: LNBHSP3.DGN
DRAWING CODE: LNB-813
PLOT SCALE: 1" = 100'
PLOT DATE: 7/08/2013
SIZE: ANSI F
FILE NAME: LNB613V103.S03

LITTLE NARRAGANSETT BAY
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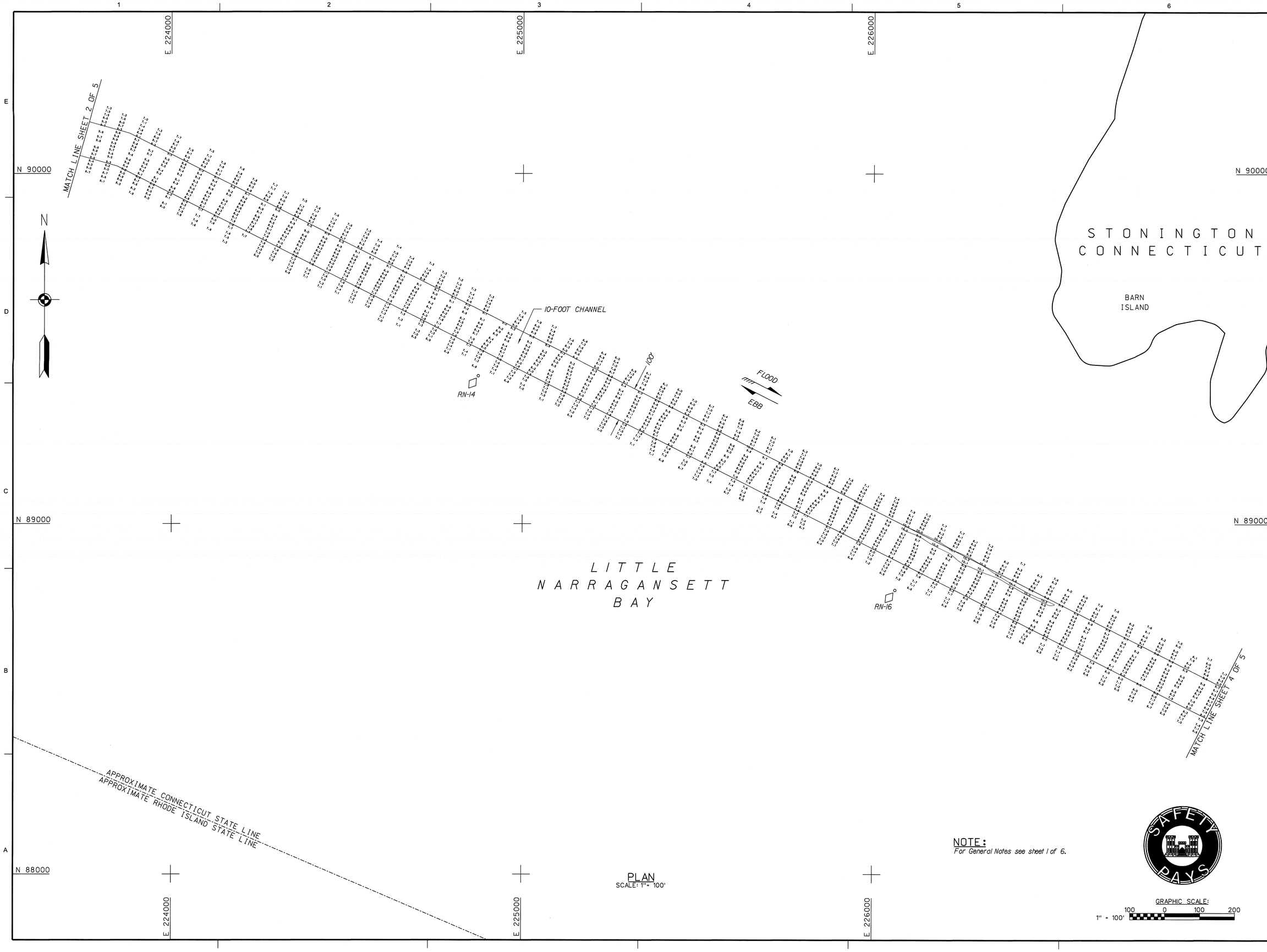
RHODE ISLAND AND CONNECTICUT
CONDITION SURVEY

10-FOOT CHANNEL AND ANCHORAGE

SHEET IDENTIFICATION
V-103
SHEET 3 OF 6



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see sheet 1 of 6.

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

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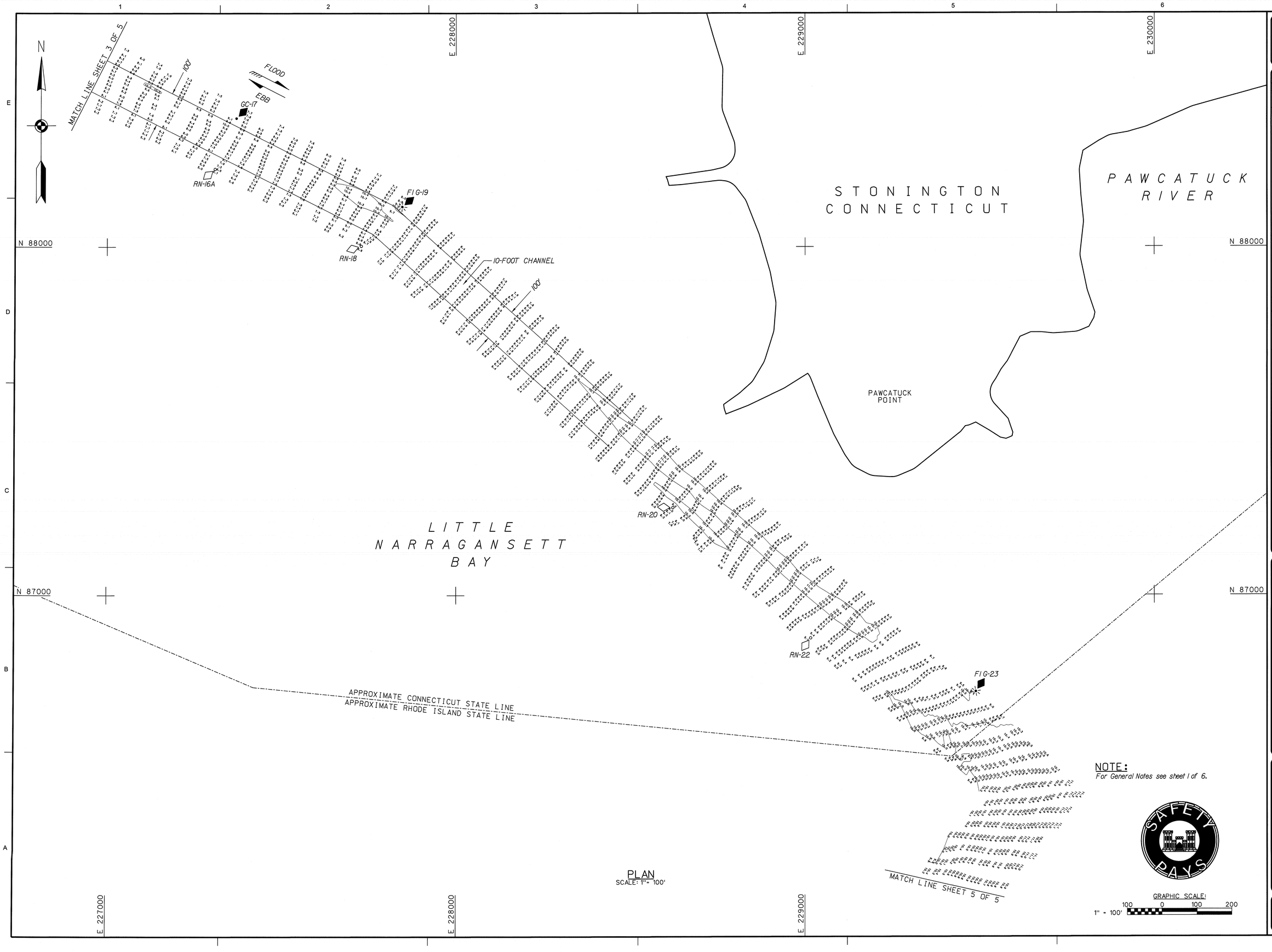
REVIEWED BY: Mark Cole, Survey Section
SUBMITTED BY: Robert Preeta, Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 7/08/2013
SIZE: ANSI F
FILE NAME: LNB613V104.S04
DATE: 7/8/2013
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: LNBHSP3.DGN
DRAWING CODE: LNB-613

LITTLE NARRAGANSETT BAY
AND WATCH HILL COVE
RHODE ISLAND AND CONNECTICUT
CONDITION SURVEY

10-FOOT CHANNEL AND ANCHORAGE

SHEET IDENTIFICATION
V-104
SHEET 4 OF 6



PLAN
SCALE: 1"= 100'

NOTE:
For General Notes see sheet 1 of 6.

SAFETY PAYS

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

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MARK	DESCRIPTION	DATE	APPR

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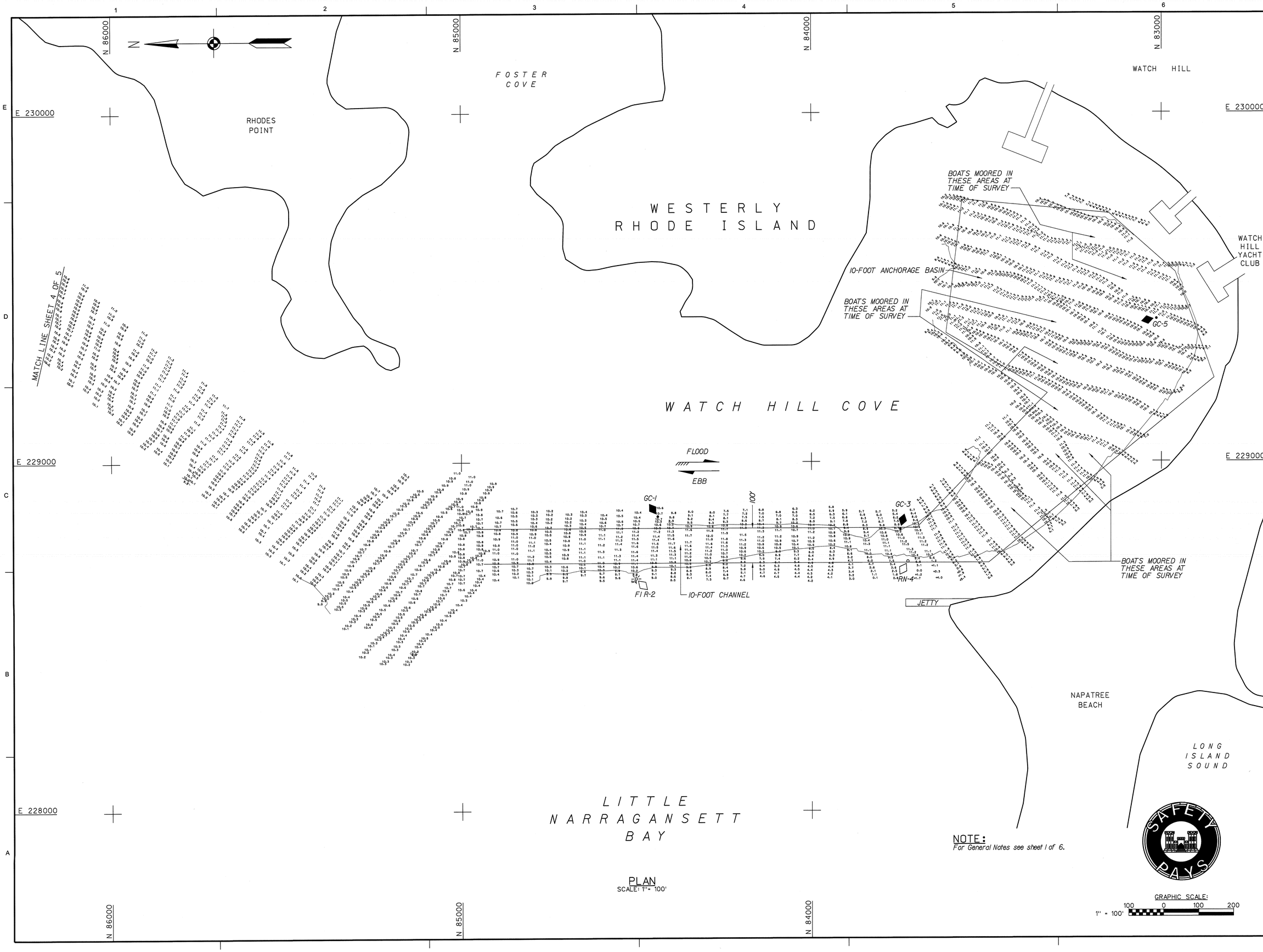
REVIEWED BY: Kathryn Preston, Chief, Survey Section
SUBMITTED BY: Kathryn Preston, Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 7/08/2013
FILE NAME: LN86131V105.505
SIZE: ANSI F
DATE: 7/8/2013
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: LNBHSP3.DGN
DRAWING CODE: LNB-613

LITTLE NARRAGANSETT BAY
AND WATCH HILL COVE
RHODE ISLAND AND CONNECTICUT
CONDITION SURVEY

10-FOOT CHANNEL AND ANCHORAGE

SHEET IDENTIFICATION
V-105
SHEET 5 OF 6



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see sheet 1 of 6.

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

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MARK	DESCRIPTION	DATE	APPR

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REVIEWED BY:
Asst. Chief, Survey Section
SUBMITTED BY:
Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 7/26/2013
SIZE: ANSI F
FILE NAME: LNB613V106.S06
DATE:
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: LNBHSP3.DGN
DRAWING CODE: LNB-613

LITTLE NARRAGANSETT BAY AND WATCH HILL COVE
RHODE ISLAND AND CONNECTICUT
CONDITION SURVEY

10-FOOT CHANNEL AND ANCHORAGE

SHEET IDENTIFICATION
V-106
SHEET 6 OF 6