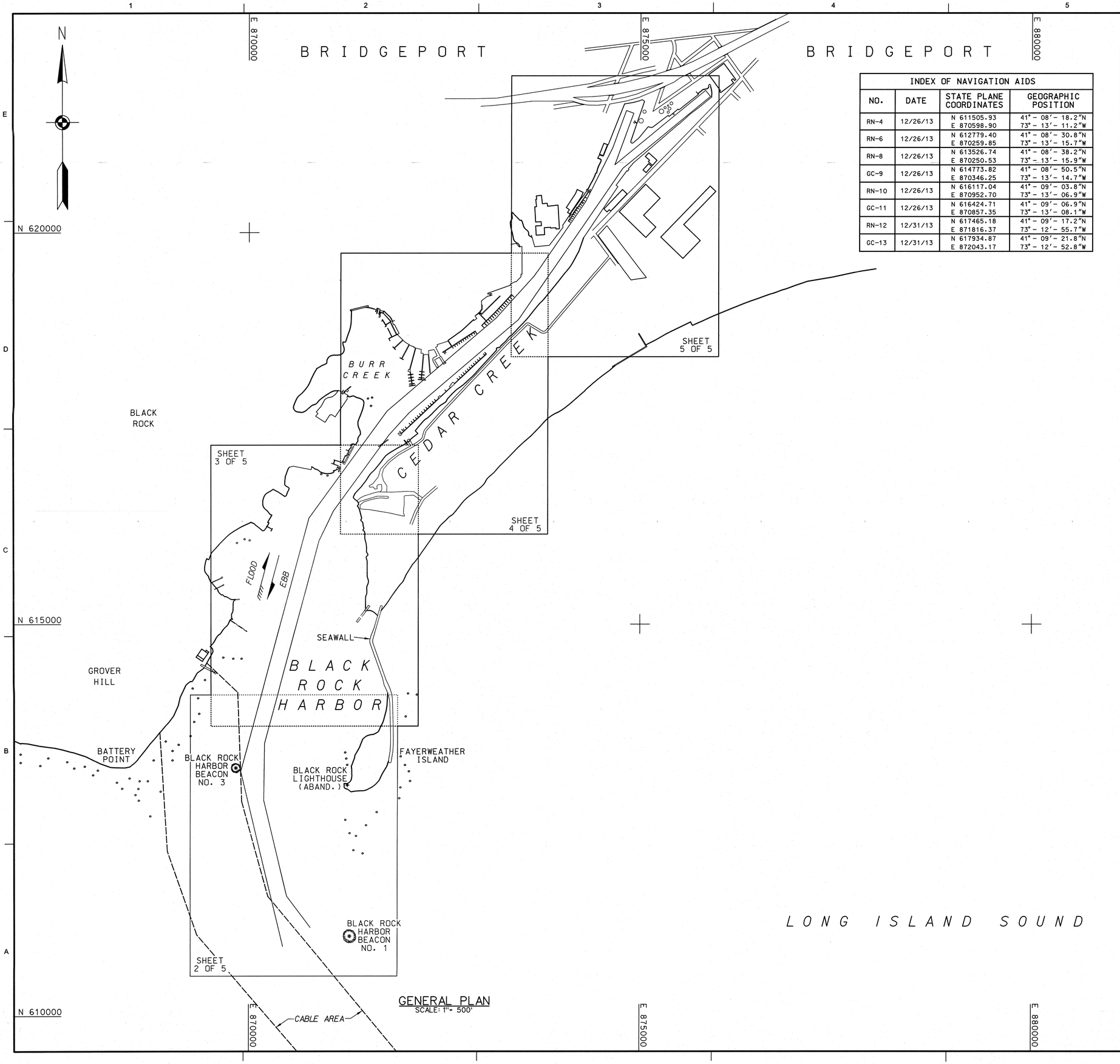
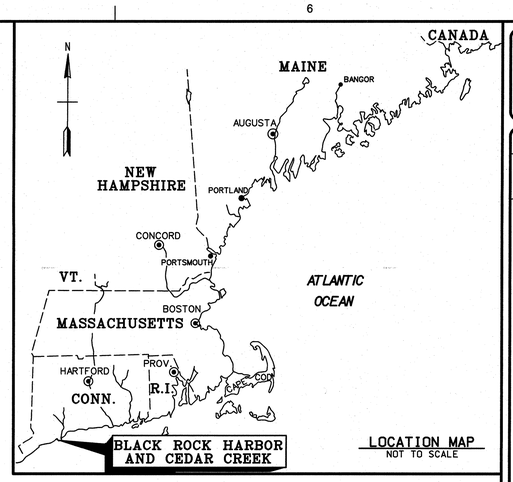


GENERAL PLAN
SCALE: 1"= 500'

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-4	12/26/13	N 611505.93 E 870598.90	41° - 08′ - 18.2″N 73° - 13′ - 11.2″W
RN-6	12/26/13	N 612779.40 E 870259.85	41° - 08′ - 30.8″N 73° - 13′ - 15.7″W
RN-8	12/26/13	N 613526.74 E 870250.53	41° - 08′ - 38.2″N 73° - 13′ - 15.9″W
GC-9	12/26/13	N 614773.82 E 870346.25	41° - 08′ - 50.5″N 73° - 13′ - 14.7″W
RN-10	12/26/13	N 616117.04 E 870952.70	41° - 09′ - 03.8″N 73° - 13′ - 06.9″W
GC-11	12/26/13	N 616424.71 E 870857.35	41° - 09′ - 06.9″N 73° - 13′ - 08.1″W
RN-12	12/31/13	N 617465.18 E 871816.37	41° - 09′ - 17.2″N 73° - 12′ - 55.7″W
GC-13	12/31/13	N 617934.87 E 872043.17	41° - 09′ - 21.8″N 73° - 12′ - 52.8″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.
2. Topography shown is from previous surveys 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 3.79 feet. The correction was established in the vicinity of NOAA bench marks at Black Rock Harbor and Cedar Creek, CT (Station ID. 8467373, 04/01/2004). The reference point established for the correction is Station BM 7373 B 2003 (2013). NAVD88 is above MLLW, therefore the correction should be added to NAVD88 to convert to MLLW. No tide gauges were used on this project. 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 referenced to U.S. Survey Feet.
5. Survey was performed using a R2 Sonic 2024 Multibeam System operating at 300 kHz. Horizontal positioning and real time tides were recorded utilizing a Leica 1200 RTK GPS System. The RTK base station used was Station BM 7373 B 2003 (2013).
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during December 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. Cable Area locations are referenced from NOAA Chart No. 12369 (26th Ed., June 2005) and are shown as thus: — — — — — — — — — — — —
10. Field Books: R&H 3486 and 4137
    18-Foot depth contour shown thus: ————————
    Surveyed by: Robert MacGovern and crew
    Refer to Survey No: 14-1309

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REVIEWED BY: Adam Dodge, Chief, Survey Section
DATE: 5/13/2014
SUBMITTED BY: Chief, Navigation Section
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: BLA541.dgn
PLOT SCALE: 1" = 500'
PLOT DATE: 05/13/2014
DRAWING CODE: BLA-541
SIZE: ANSI F
FILE NAME: BLA541V101.dgn

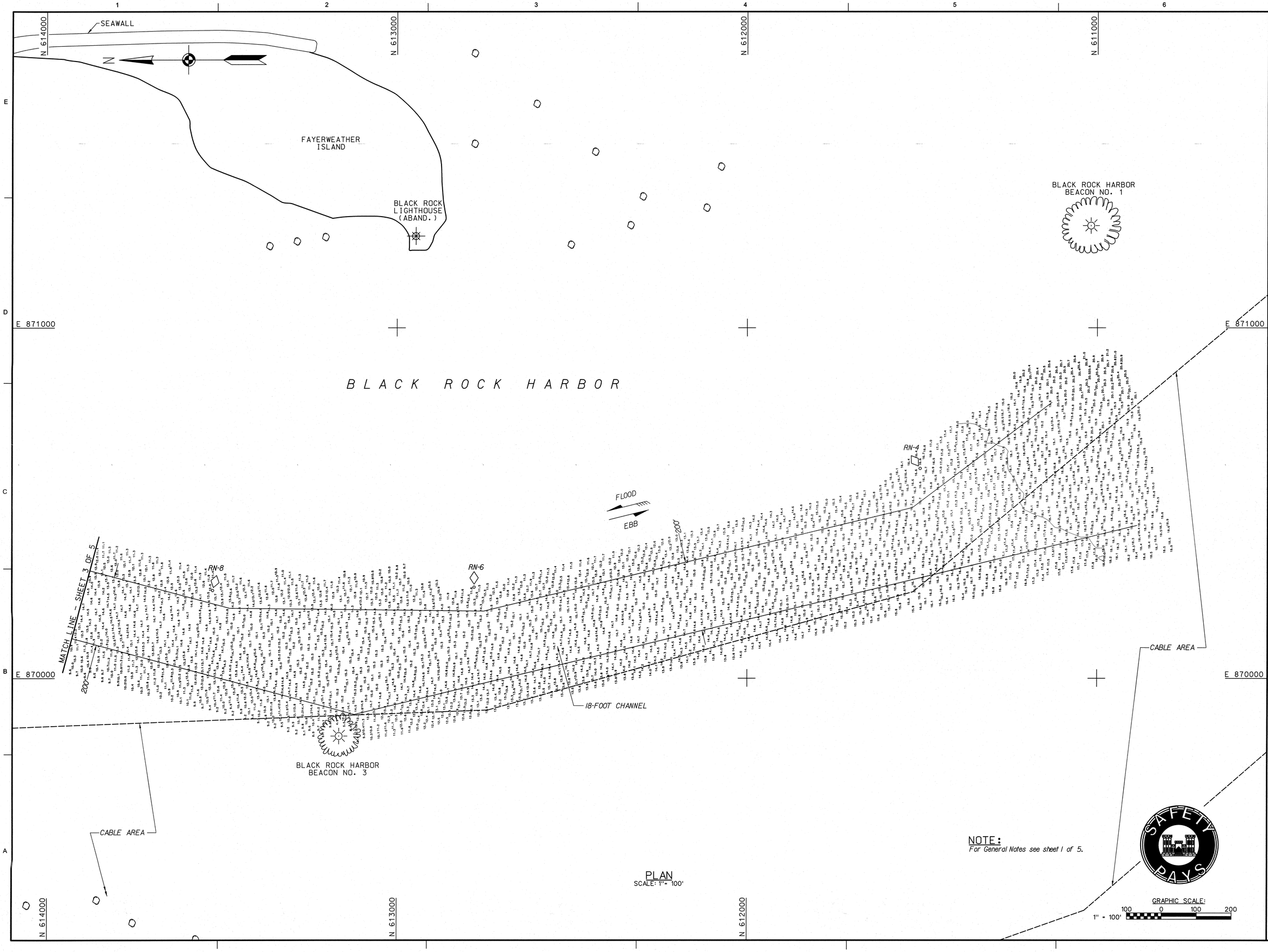
BLACK ROCK HARBOR AND CEDAR CREEK
BRIDGEPORT, CONNECTICUT
CONDITION SURVEY

18-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 5

SAFETY PAYS

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



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see sheet 1 of 5.

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

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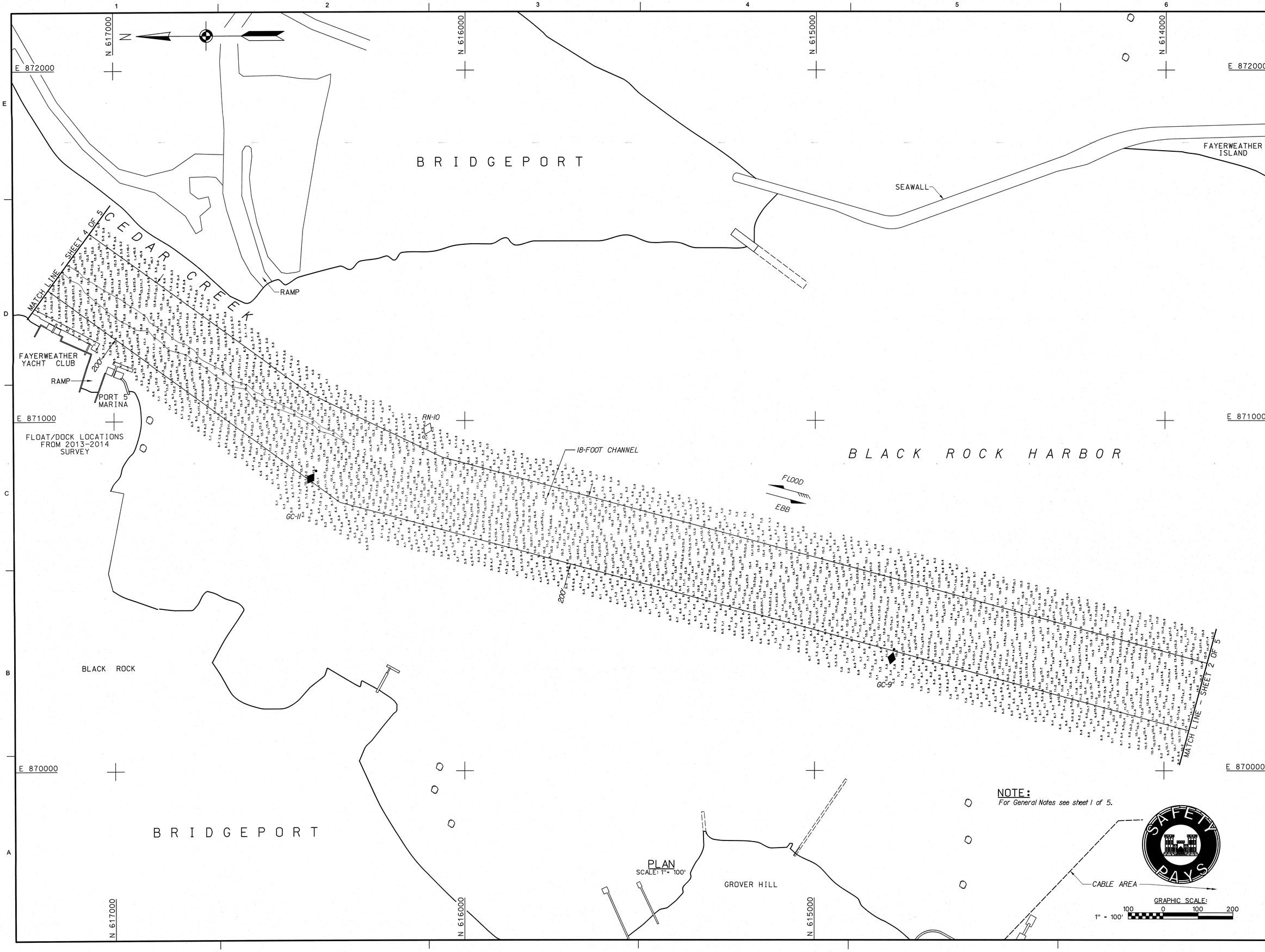
REVIEWED BY: [signature] Chief, Survey Section
SUBMITTED BY: [signature] Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 05/13/2014
SIZE: ANSI F
FILE NAME: BLACK-V-102.dgn
DATE: 5/13/2014
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: BLACK-P3.DGN
DRAWING CODE: BLA-541

BLACK ROCK HARBOR AND CEDAR CREEK
BRIDGEPORT, CONNECTICUT
CONDITION SURVEY

18-FOOT CHANNEL

SHEET IDENTIFICATION
V-102
SHEET 2 OF 5



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see sheet 1 of 5.

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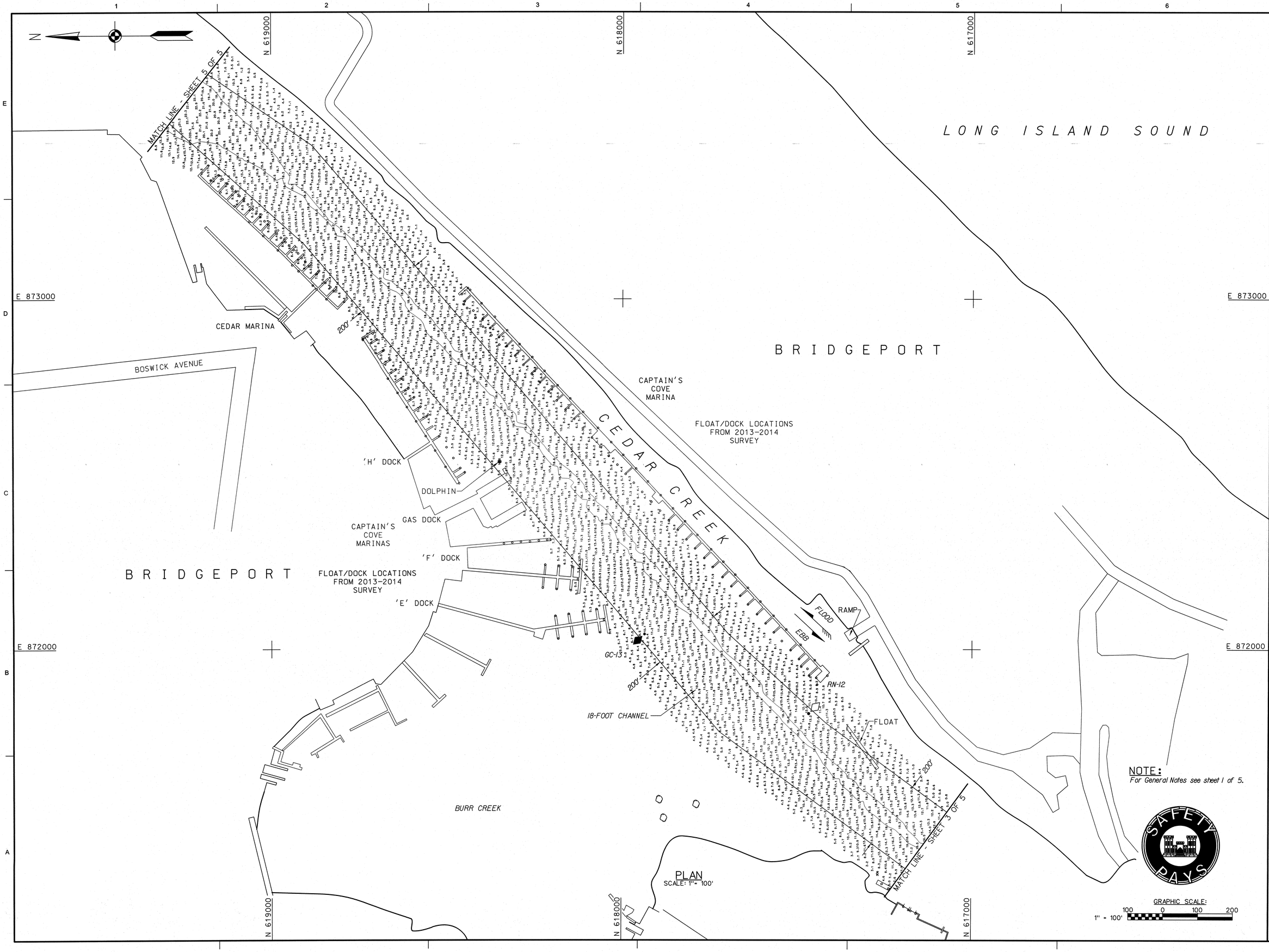
REVIEWED BY: Jeffrey Porter, Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
SIZE: ANSI F
DATE: 5/13/2014
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: BLANSP3.DGN
DRAWING CODE: BLA-541
PLOT DATE: 05/13/2014
FILE NAME: BLA541V-103.dgn

BLACK ROCK HARBOR AND CEDAR CREEK
BRIDGEPORT, CONNECTICUT
CONDITION SURVEY

18-FOOT CHANNEL

SHEET IDENTIFICATION
V-103
SHEET 3 OF 5



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see sheet 1 of 5.

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

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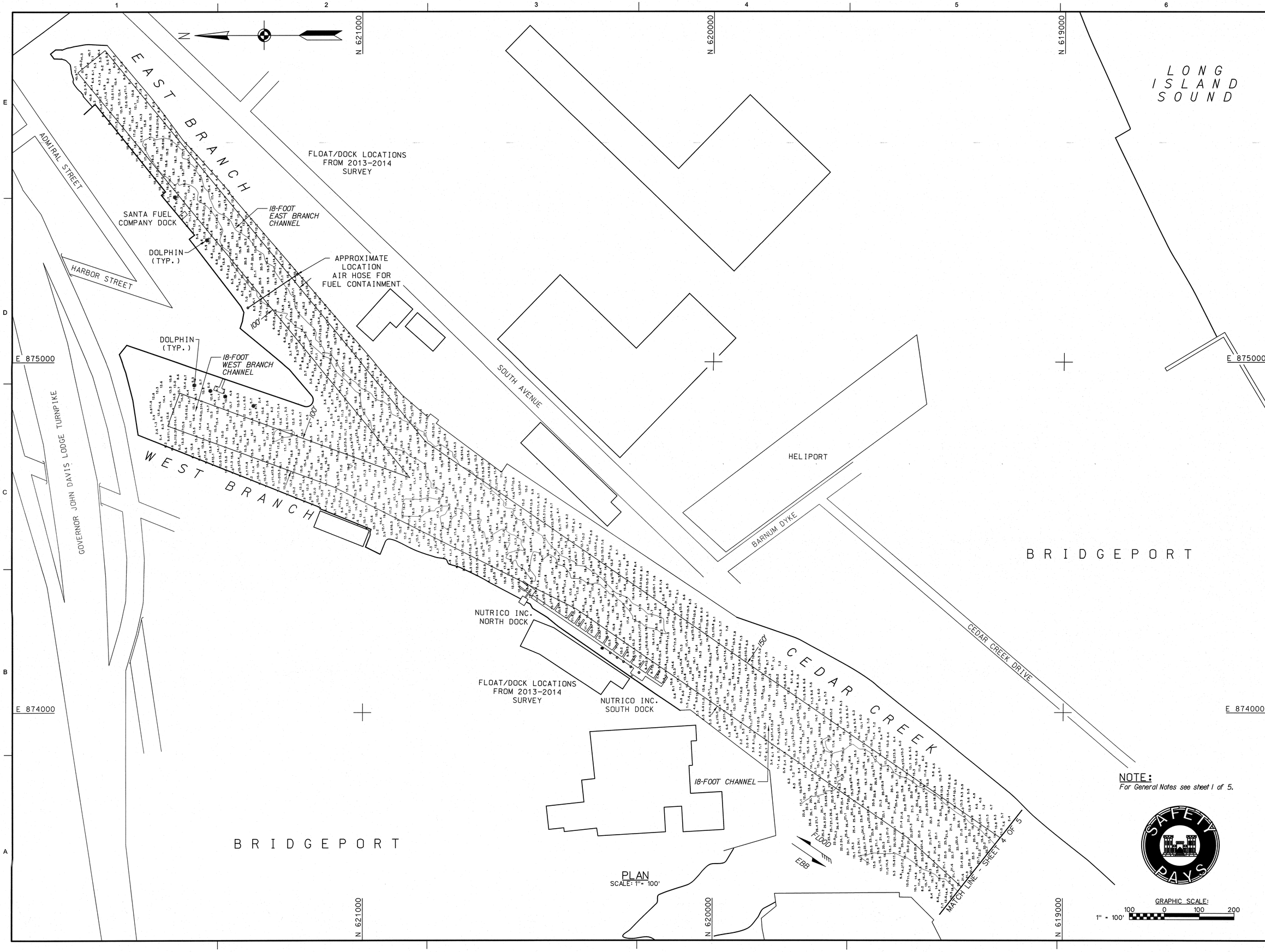
REVIEWED BY: Jeffrey Peaton
Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 05/13/2014
SIZE: ANSI F
FILE NAME: BLA541V-104.dgn
DATE: 5/13/2014
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: BLANSP3.DGN
DRAWING CODE: BLA-541

BLACK ROCK HARBOR AND CEDAR CREEK
BRIDGEPORT, CONNECTICUT
CONDITION SURVEY

18-FOOT CHANNEL

SHEET IDENTIFICATION
V-104
SHEET 4 OF 5



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see sheet 1 of 5.

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

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REVIEWED BY: Jeffrey Porter
Asst. Chief, Survey Section
SUBMITTED BY: Thomas Mahoney
Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 05/13/2014
SIZE: ANSI F
FILE NAME: BLA541V-105.dgn
DATE: 5/13/2014
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: BLANSP3.DGN
DRAWING CODE: BLA-541

BLACK ROCK HARBOR AND CEDAR CREEK
BRIDGEPORT, CONNECTICUT
CONDITION SURVEY

18-FOOT CHANNEL

SHEET IDENTIFICATION
V-105
SHEET 5 OF 5