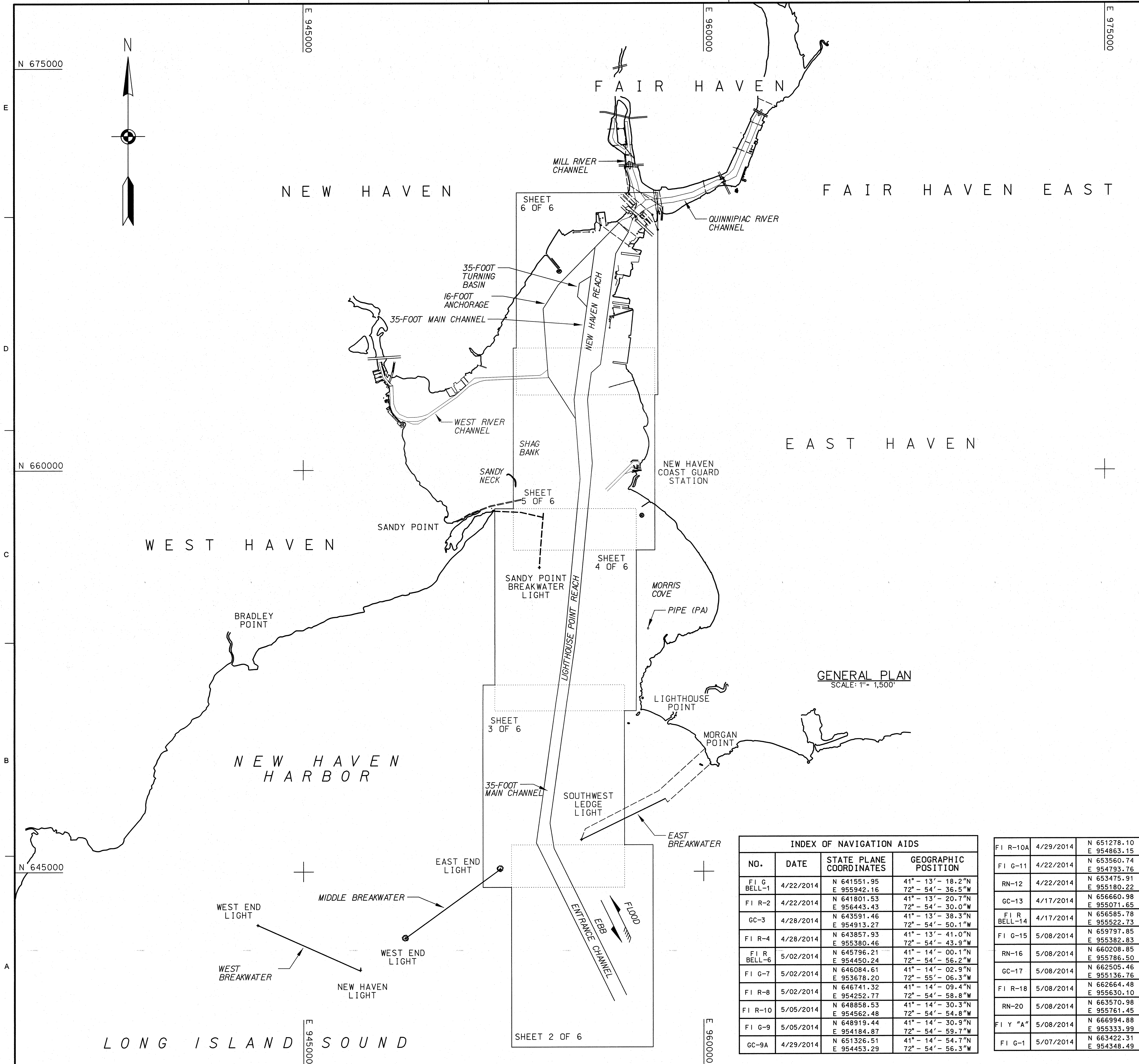
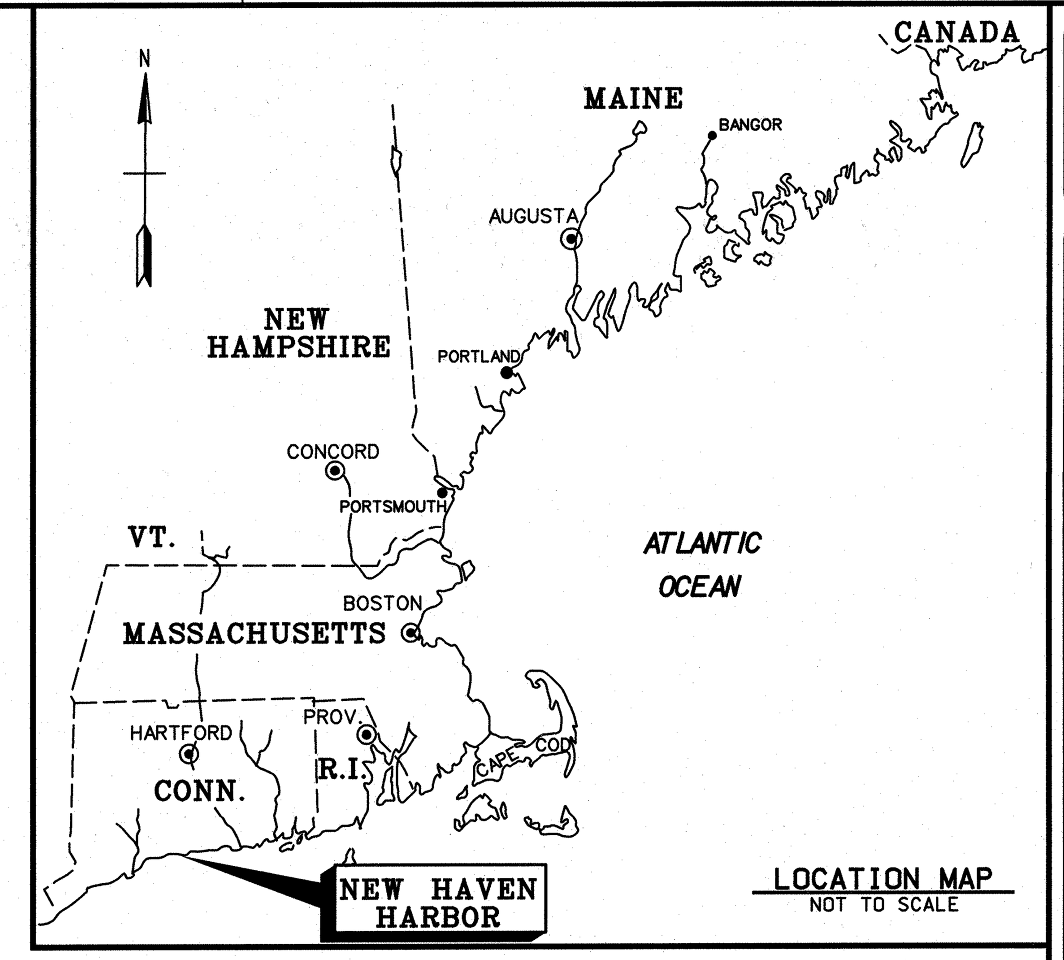




LOCATION MAP
NOT TO SCALE

GENERAL PLAN
SCALE: 1"= 1,500'

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. 12371. 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 3.60 feet. The correction is published by NOAA for Bench Marks at New Haven, Connecticut (Station 8465748, 05/12/2004). No tide gauges were used on this project. Average range of tide is 6.1 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 an R2 Sonic 2024 Multibeam Sonar 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 MTS New Haven.
6. The sounding information shown on these charts represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during February, April, and May 2014.
7. The sounding information depicted on these charts 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 charts 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. 12371 (25th Ed., September 2012) and are shown thus: — — — — — — — — Cross Sound Cable locations are referenced from information received from Cross Sound Cable Company, LLC. in 2013 and are shown thus: ——————
10. Field Book: R&H 4525
    16-Foot depth contour shown thus: -·-·-·-·-·-·-·-
    35-Foot depth contour shown thus: ————————
    Surveyed by: Robert MacGovern and crew
    Refer to Survey No. 14-1262

INDEX OF NAVIGATION AIDS

NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
Fl G BELL-1	4/22/2014	N 641551.95 E 955942.16	41° - 13' - 18.2"N 72° - 54' - 36.5"W
Fl R-2	4/22/2014	N 641801.53 E 956443.43	41° - 13' - 20.7"N 72° - 54' - 30.0"W
GC-3	4/28/2014	N 643591.46 E 954913.27	41° - 13' - 38.3"N 72° - 54' - 50.1"W
Fl R-4	4/28/2014	N 643857.93 E 955380.46	41° - 13' - 41.0"N 72° - 54' - 43.9"W
Fl R BELL-6	5/02/2014	N 645796.21 E 954450.24	41° - 14' - 00.1"N 72° - 54' - 56.2"W
Fl G-7	5/02/2014	N 646084.61 E 953678.20	41° - 14' - 02.9"N 72° - 55' - 06.3"W
Fl R-8	5/02/2014	N 646741.32 E 954252.77	41° - 14' - 09.4"N 72° - 54' - 58.8"W
Fl R-10	5/05/2014	N 648858.53 E 954562.48	41° - 14' - 30.3"N 72° - 54' - 54.8"W
Fl G-9	5/05/2014	N 648919.44 E 954184.87	41° - 14' - 30.9"N 72° - 54' - 59.7"W
GC-9A	4/29/2014	N 651326.51 E 954453.29	41° - 14' - 54.7"N 72° - 54' - 56.3"W
Fl R-10A	4/29/2014	N 651278.10 E 954863.15	41° - 14' - 54.3"N 72° - 54' - 50.9"W
Fl G-11	4/22/2014	N 653560.74 E 954793.76	41° - 15' - 16.8"N 72° - 54' - 51.9"W
RN-12	4/22/2014	N 653475.91 E 955180.22	41° - 15' - 16.0"N 72° - 54' - 46.8"W
GC-13	4/17/2014	N 656660.98 E 955071.65	41° - 15' - 47.4"N 72° - 54' - 48.3"W
Fl R BELL-14	4/17/2014	N 656585.78 E 955522.73	41° - 15' - 46.7"N 72° - 54' - 42.4"W
Fl G-15	5/08/2014	N 659797.85 E 955382.83	41° - 16' - 18.4"N 72° - 54' - 44.3"W
RN-16	5/08/2014	N 660208.85 E 955786.50	41° - 16' - 22.5"N 72° - 54' - 39.0"W
GC-17	5/08/2014	N 662505.46 E 955136.76	41° - 16' - 45.2"N 72° - 54' - 47.6"W
Fl R-18	5/08/2014	N 662664.48 E 955630.10	41° - 16' - 46.8"N 72° - 54' - 41.1"W
RN-20	5/08/2014	N 663570.98 E 955761.45	41° - 16' - 55.7"N 72° - 54' - 39.4"W
Fl Y "A"	5/08/2014	N 666994.88 E 955333.99	41° - 17' - 29.5"N 72° - 54' - 45.1"W
Fl G-1	5/07/2014	N 663422.31 E 954348.49	41° - 16' - 54.2"N 72° - 54' - 57.9"W

GRAPHIC SCALE:
1" = 1,500' 1,500 0 1,500 3,000

US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

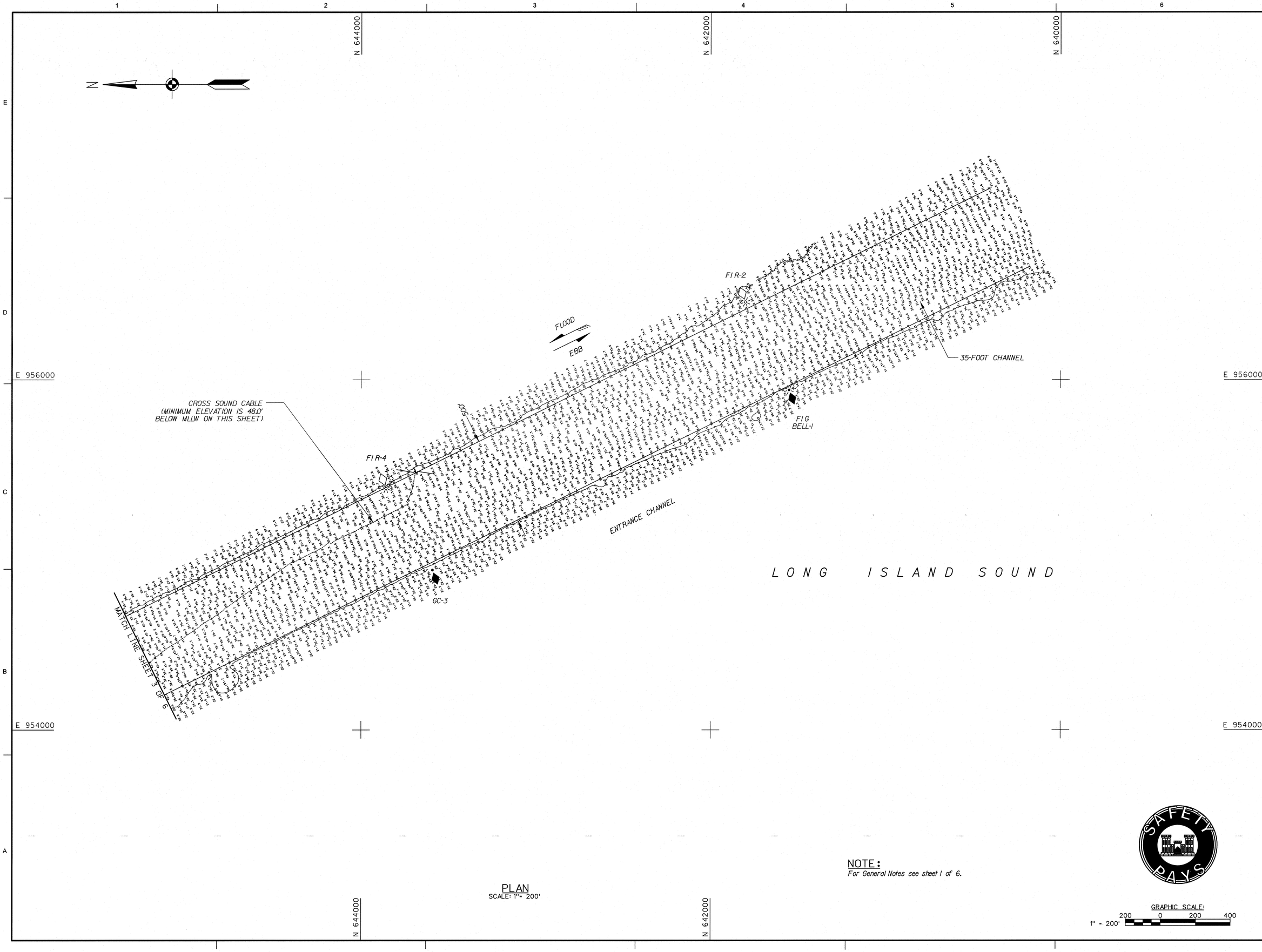
REVIEWED BY: Jeffrey Preston
Asst. Chief, Survey Section
SUBMITTED BY: Jeffrey Preston
Chief, Survey Section

PLOT SCALE: 1" = 1,500'	PLOT DATE: 5/22/2014
SIZE: ANSI F	FILE NAME: NHH924V101.S01
DATE: 5/22/2014	
DWN BY: VJG	CKD BY: MTM
DESIGN FILE: NHH_V-HP83.dgn	
DRAWING CODE: NHH-924	

NEW HAVEN HARBOR
NEW HAVEN, CONNECTICUT
AFTER-DREDGE / CONDITION SURVEY

35-FOOT CHANNEL AND TURNING BASIN
16-FOOT ANCHORAGE

SHEET IDENTIFICATION
V-101
SHEET 1 OF 6



PLAN
SCALE: 1" = 200'

NOTE:
For General Notes see sheet 1 of 6.

GRAPHIC SCALE:
1" = 200'
200 0 200 400

US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR

MARK	DESCRIPTION	DATE	APPR

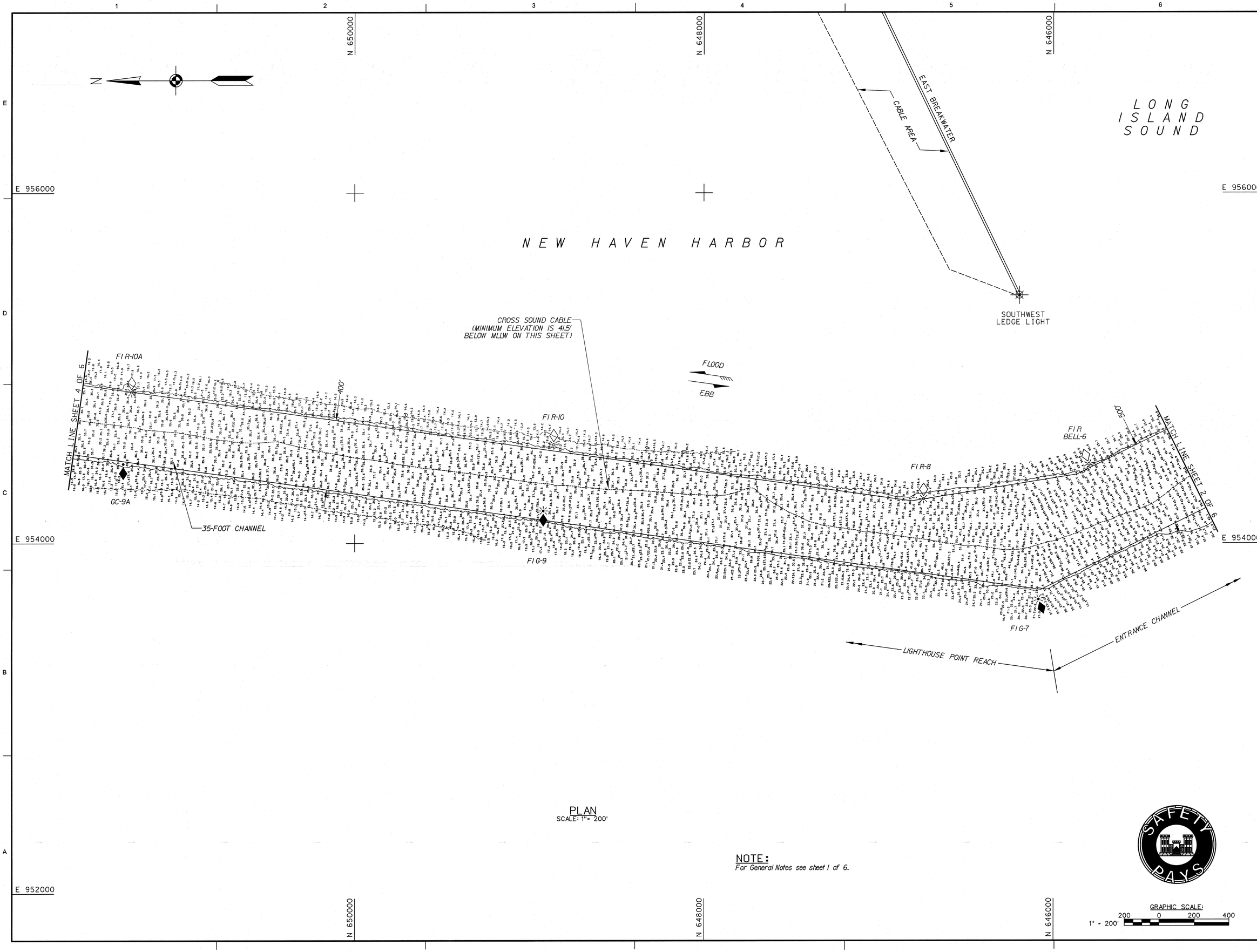
U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

REVIEWED BY: Kelly Preston
Asst. Chief, Survey Section
SUBMITTED BY: Jeffrey Preston
Chief, Survey Section
PLOT SCALE: 1" = 200'
PLOT DATE: 5/22/2014
SIZE: ANSI F
FILE NAME: NHH924V102.S02
DATE: 5/22/2014
DWN BY: VJG
CKD BY: MTM
DESIGN FILE: NHH_V-HP63.dgn
DRAWING CODE: NHH-924

NEW HAVEN HARBOR
NEW HAVEN, CONNECTICUT
AFTER-DREDGE / CONDITION SURVEY

35-FOOT CHANNEL AND TURNING BASIN
16-FOOT ANCHORAGE

SHEET IDENTIFICATION
V-102
SHEET 2 OF 6



PLAN
SCALE: 1"= 200'

NOTE:
For General Notes see sheet 1 of 6.

GRAPHIC SCALE:
200 0 200 400
1" = 200'

US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

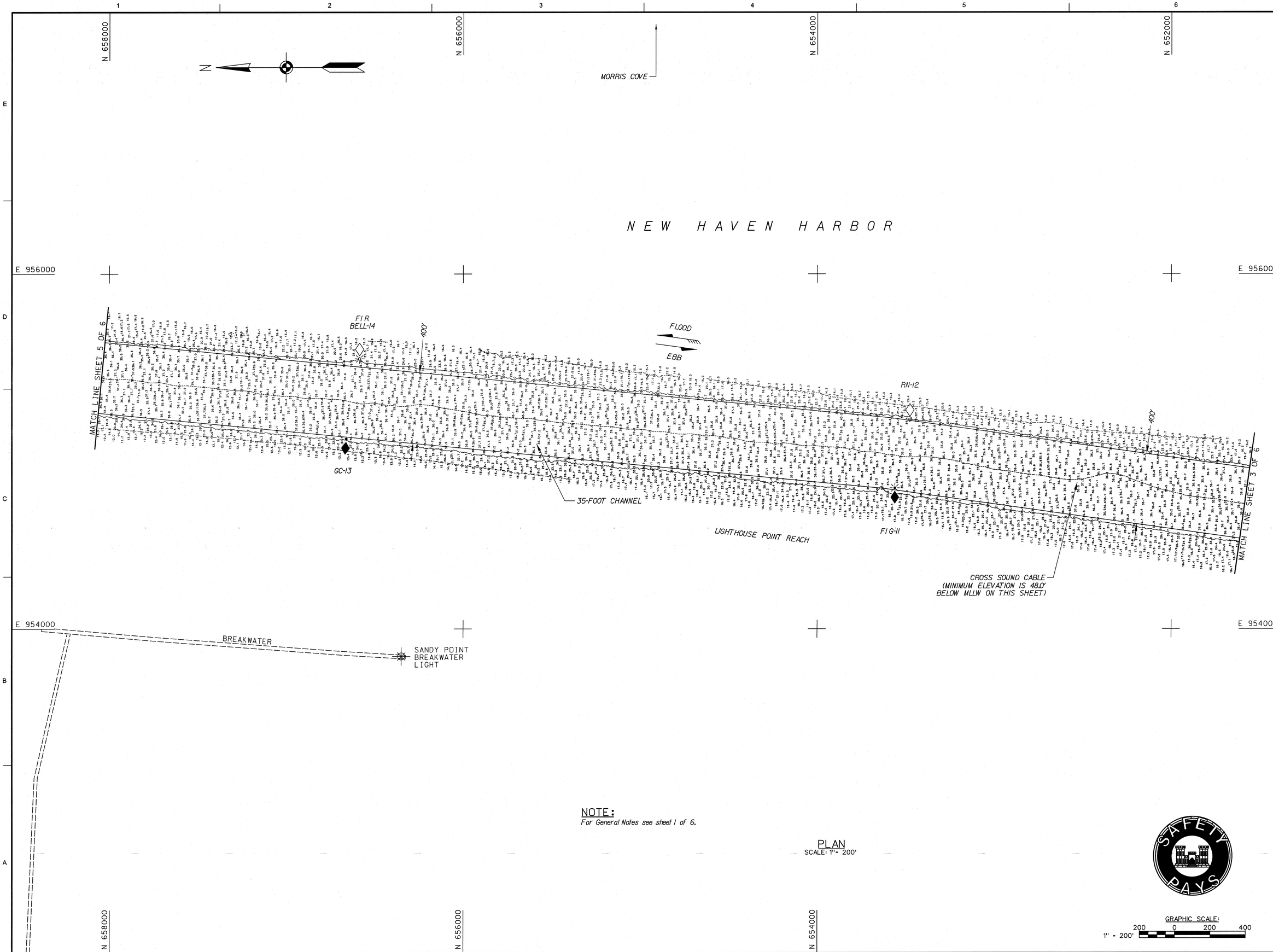
U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

REVIEWED BY: Bethany Preston, Asst. Chief, Survey Section
SUBMITTED BY: Bethany Preston, Chief, Survey Section
DATE: 5/22/2014
DWN BY: VJG
CKD BY: MTM
DESIGN FILE: NHH_V-HP83.dgn
DRAWING CODE: NHH-924
PLOT SCALE: 1" = 200'
PLOT DATE: 5/22/2014
FILE NAME: NHH924V103.S03
SIZE: ANSI F

NEW HAVEN HARBOR
NEW HAVEN, CONNECTICUT
AFTER-DREDGE / CONDITION SURVEY

35-FOOT CHANNEL AND TURNING BASIN
16-FOOT ANCHORAGE

SHEET IDENTIFICATION
V-103
SHEET 3 OF 6



NOTE:
For General Notes see sheet 1 of 6.

PLAN
SCALE: 1" = 200'

US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

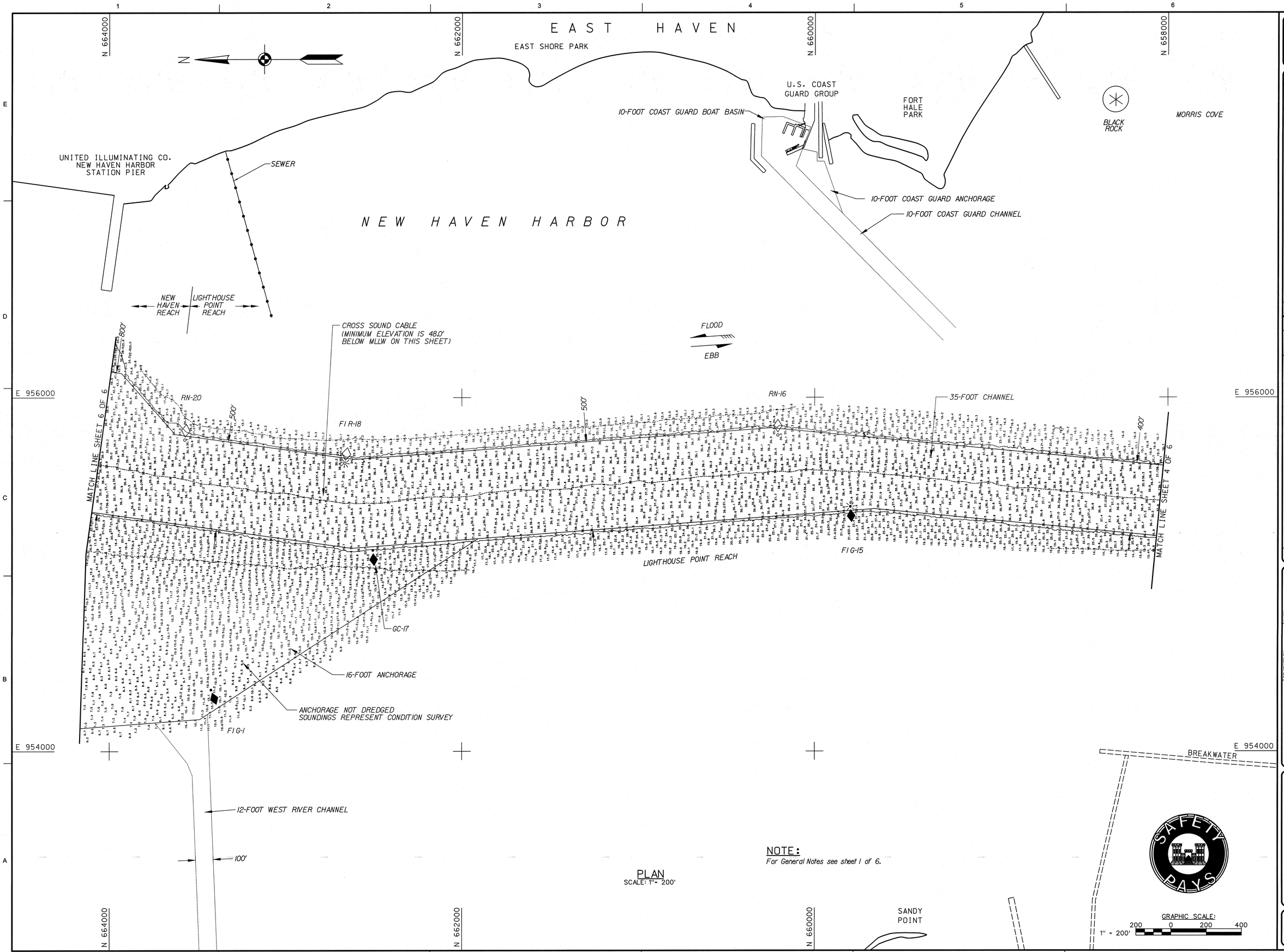
U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

REVIEWED BY: Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 200'
SIZE: ANSI F
PLOT DATE: 5/22/2014
FILE NAME: NHH924V104.S04
DATE: 5/22/2014
DWN BY: JJG
CKD BY: MTM
DESIGN FILE: NHH_V-HP83.dgn
DRAWING CODE: NHH-924

NEW HAVEN HARBOR
NEW HAVEN, CONNECTICUT
AFTER-DREDGE / CONDITION SURVEY

35-FOOT CHANNEL AND TURNING BASIN
16-FOOT ANCHORAGE

SHEET IDENTIFICATION
V-104
SHEET 4 OF 6



NOTE:
For General Notes see sheet 1 of 6.

PLAN
SCALE: 1" = 200'

US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

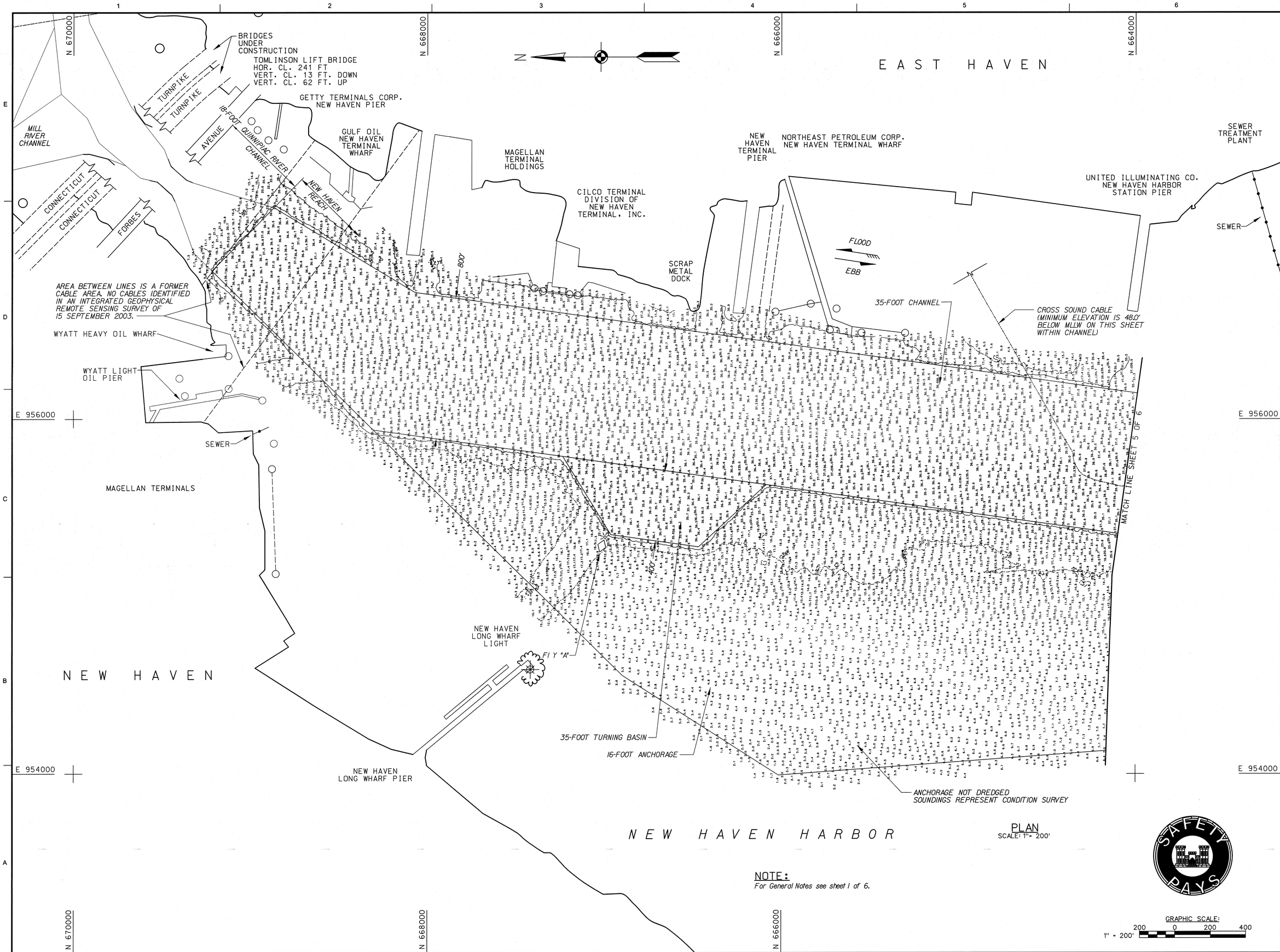
U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

REVIEWED BY: Walter Oliver, Survey Section	DATE: 5/22/2014	DWN BY: VJG	CKD BY: MTM
SUBMITTED BY: Michael J. Rudolph		DESIGN FILE: NHH-504_V105.dgn	
PLOT SCALE: 1" = 200'	PLOT DATE: 5/22/2014	DRAWING CODE: NAD83/NGVD29	
SIZE: ANSI F	FILE NAME: NHH504V105.S05		

NEW HAVEN HARBOR
NEW HAVEN, CONNECTICUT
AFTER-DREDGE / CONDITION SURVEY

35-FOOT CHANNEL AND TURNING BASIN
16-FOOT ANCHORAGE

SHEET IDENTIFICATION
V-105
SHEET 5 OF 6



PLAN
SCALE: 1" = 200'

NOTE:
For General Notes see sheet 1 of 6.

GRAPHIC SCALE:
1" = 200'
200 0 200 400

US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

REVIEWED BY: Anthony Pratt, Asst. Chief, Survey Section
SUBMITTED BY: Jeffrey Paulson, Chief, Survey Section
PLOT SCALE: 1" = 200'
PLOT DATE: 5/22/2014
SIZE: ANSI F
FILE NAME: NHH924V106.S06
DATE: 5/22/2014
DWN BY: VJG
CKD BY: MTM
DESIGN FILE: NHH_V4/P03.dgn
DRAWING CODE: NHH-924

NEW HAVEN HARBOR
NEW HAVEN, CONNECTICUT
AFTER-DREDGE / CONDITION SURVEY

35-FOOT CHANNEL AND TURNING BASIN
16-FOOT ANCHORAGE

SHEET IDENTIFICATION
V-106
SHEET 6 OF 6