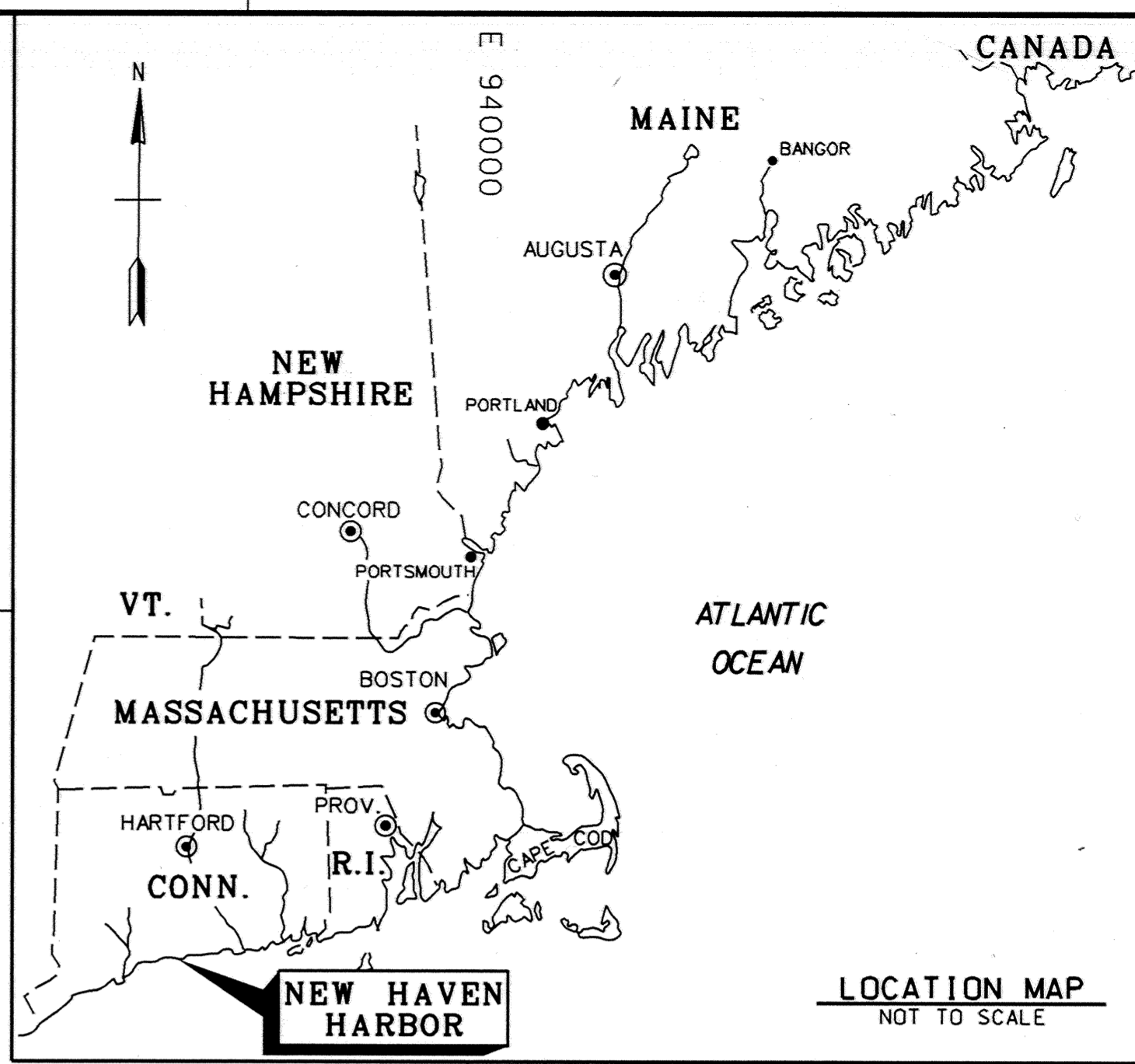


INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
FI G BELL-1	02/25/08	N 614483.58 E 955960.03	41° - 13' - 17.5" N 72° - 54' - 36.3" W
FI R-2	02/25/08	N 641768.60 E 956442.96	41° - 13' - 20.3" N 72° - 54' - 30.0" W
GC-3	02/25/08	N 643646.06 E 954955.83	41° - 13' - 38.9" N 72° - 54' - 49.5" W
FI R-4	02/25/08	N 643892.97 E 955516.19	41° - 13' - 41.3" N 72° - 54' - 42.2" W
FI R BELL-6	02/25/08	N 645815.46 E 954441.88	41° - 14' - 00.3" N 72° - 54' - 56.3" W
FI G-7	02/25/08	N 646118.79 E 953759.83	41° - 14' - 03.3" N 72° - 55' - 05.2" W
FI R-8	02/25/08	N 646796.51 E 954275.57	41° - 14' - 10.0" N 72° - 54' - 58.5" W
FI G-9	02/25/08	N 648934.61 E 954168.54	41° - 14' - 31.1" N 72° - 54' - 59.9" W
GC-9A	02/25/08	N 651354.29 E 954474.10	41° - 14' - 55.0" N 72° - 54' - 56.0" W
RN-10	02/25/08	N 648893.69 E 954560.60	41° - 14' - 30.7" N 72° - 54' - 54.8" W
FI R-10A	02/25/08	N 651297.04 E 954930.82	41° - 14' - 54.4" N 72° - 54' - 50.0" W
FI G-11	02/25/08	N 653568.73 E 954819.04	41° - 15' - 16.9" N 72° - 54' - 51.5" W
RN-12	02/25/08	N 653506.32 E 955211.98	41° - 15' - 16.3" N 72° - 54' - 46.4" W
GC-13	02/25/08	N 656657.84 E 955094.32	41° - 15' - 47.4" N 72° - 54' - 48.0" W
FI R BELL-14	02/25/08	N 656640.55 E 955477.12	41° - 15' - 47.2" N 72° - 54' - 43.0" W
FI G-15	02/25/08	N 659806.06 E 955410.33	41° - 16' - 18.5" N 72° - 54' - 43.9" W
RN-16	02/25/08	N 660203.35 E 955813.19	41° - 16' - 22.5" N 72° - 54' - 38.7" W
GC-17	02/25/08	N 662536.45 E 955156.32	41° - 16' - 45.5" N 72° - 54' - 47.3" W
FI RN-18	02/25/08	N 662653.13 E 955664.11	41° - 16' - 46.7" N 72° - 54' - 40.7" W
RN-20	02/25/08	N 663581.35 E 955786.70	41° - 16' - 55.8" N 72° - 54' - 39.1" W
NO DESIGNATION	02/25/08	N 664817.82 E 954836.29	41° - 17' - 08.0" N 72° - 54' - 51.6" W
FI Y-A	02/25/08	N 666951.92 E 955324.49	41° - 17' - 29.1" N 72° - 54' - 45.2" 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. 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: TBM Hale (2000) is a chiseled square in the southeast corner of the lower concrete footing of the wood fishing pier at Fort Hale Park. Elevation is 9.40 feet above MLLW.
 4. Bench Mark Data: TBM Scup (2001) is a chiseled square on the southwest corner of a brownstone wall south of Long Wharf Drive and west of the Rusty Scupper Restaurant (Now Leon's). The TBM is on the 35th brownstone south of Long Wharf Drive, 3.0 feet (0.91 m) west of a concrete sidewalk and 22.5 feet (6.86 m) southwest of the concrete base of a light pole. Elevation is 9.24 feet above MLLW.
 5. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
 6. Survey was performed using an Odem MK3 echotrac echosounder. Horizontal positioning was obtained utilizing a Leica 1200 GPS System. Two RTK base stations set up on TBM Hale (2000) and TBM Scup (2001).
 7. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during March 2008.
 8. 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.
 9. 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.
 10. Field Books: R/H 4491 and 4525
Depthsounder Ralls: 08-924/01-05
Surveyed by: Robert MacGovern and Crew

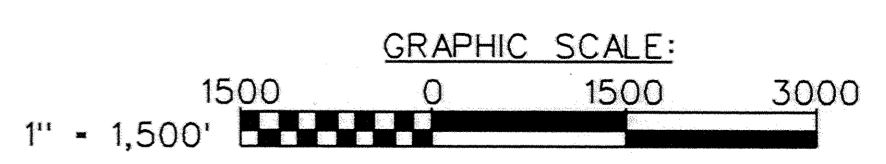
US Army Corps of Engineers
New England District

DATE: 11/08/08
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PLOT DATE: 11/08/08
DRAWING CODE: NH915
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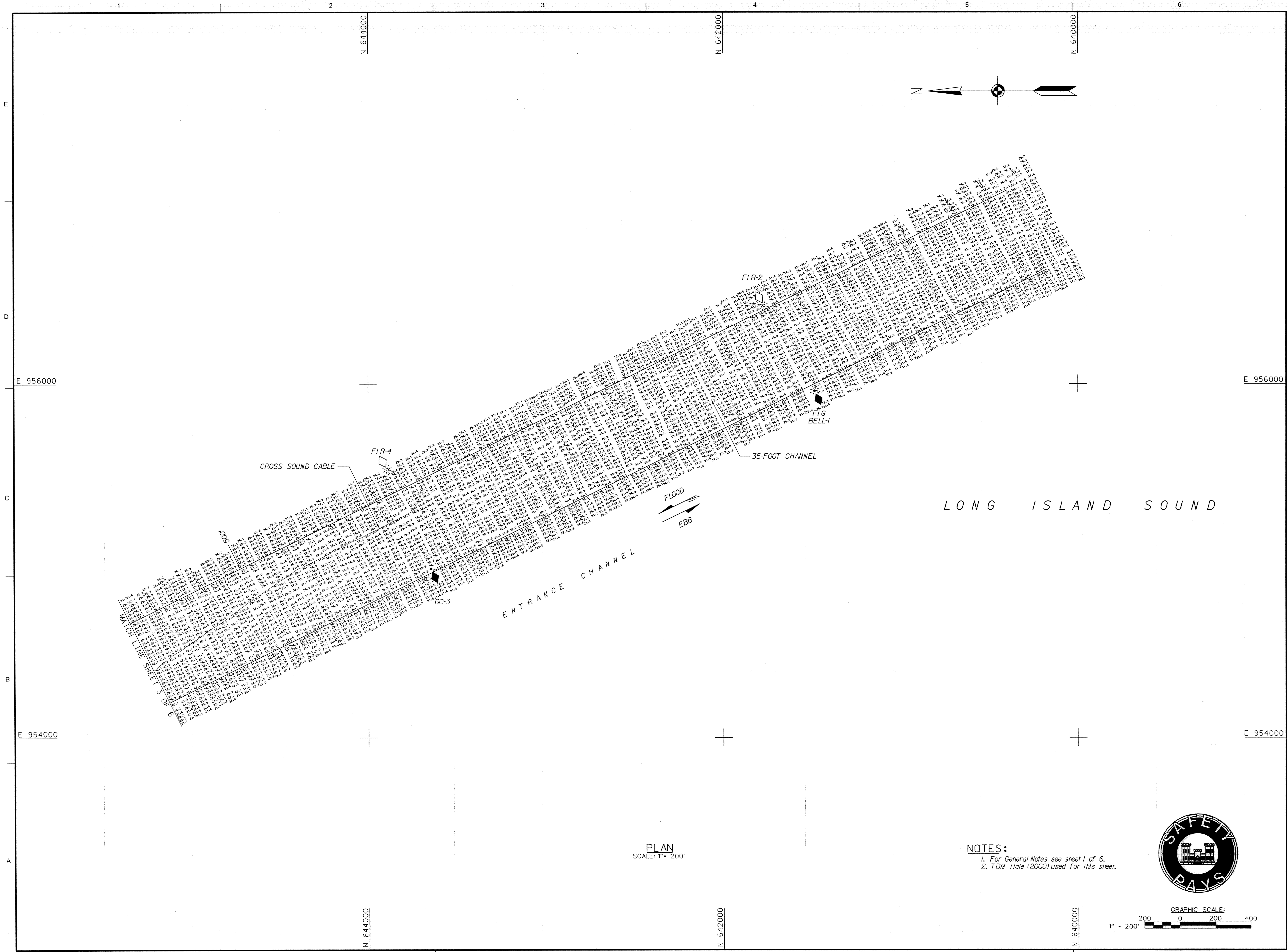
U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONNECTICUT
www.usace.army.mil

NEW HAVEN HARBOR
NEW HAVEN, CONNECTICUT
CONDITION SURVEY
35-FOOT CHANNEL AND TURNING BASIN
16-FOOT ANCHORAGE

SHEET IDENTIFICATION
V-101
SHEET 1 OF 6



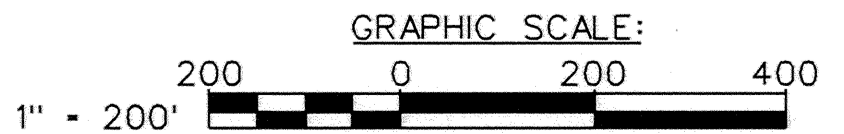
PLAN
SCALE: 1" = 1,500'



MATCH LINE SHEET 5 OF 6

PLAN
SCALE: 1" = 200'

NOTES:
1. For General Notes see sheet 1 of 6.
2. TBM Hole (2000) used for this sheet.



 US Army Corps of Engineers New England District	
REVIEWED BY: <i>[Signature]</i> DATE: 11/24/08 TOWN BY: <i>[Signature]</i> SUBMITTED BY: <i>[Signature]</i> DESIGN FILE: <i>[Signature]</i> FILE NAME: <i>[Signature]</i>	PLOT DATE: 11/20/08 PLOT SCALE: 1" = 200' DRAWING CODE: NI 615 DESIGN CODE: NI 615 FILE NAME: <i>[Signature]</i>
U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT CONCORD, MASSACHUSETTS www.ned.usace.army.mil	
NEW HAVEN HARBOR NEW HAVEN, CONNECTICUT CONDITION SURVEY 35-FOOT CHANNEL AND TURNING BASIN 16-FOOT ANCHORAGE	
SHEET IDENTIFICATION V-102 SHEET 2 OF 6	

DATE	APPROVAL	DESCRIPTION

DATE	APPROVAL	DESCRIPTION

DATE	APPROVAL	DESCRIPTION

DATE	APPROVAL	DESCRIPTION

DATE	APPROVAL	DESCRIPTION

DATE	APPROVAL	DESCRIPTION

DATE	APPROVAL	DESCRIPTION

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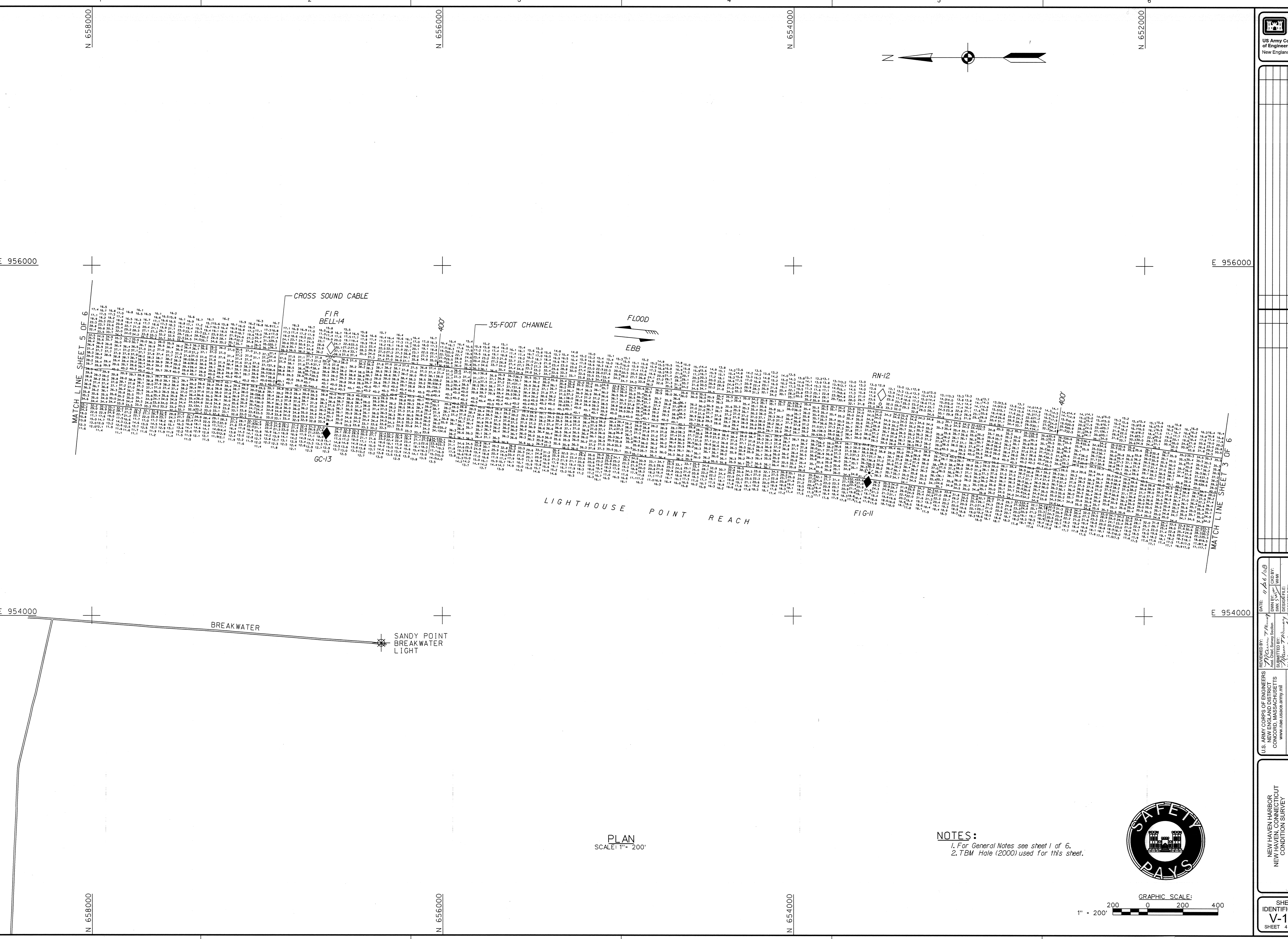
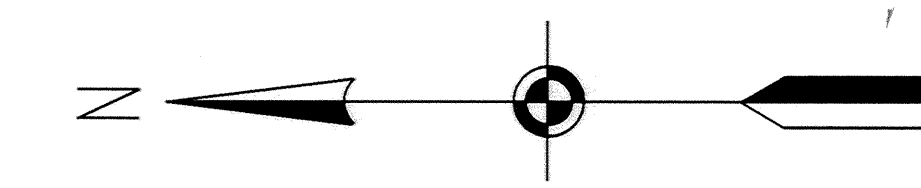
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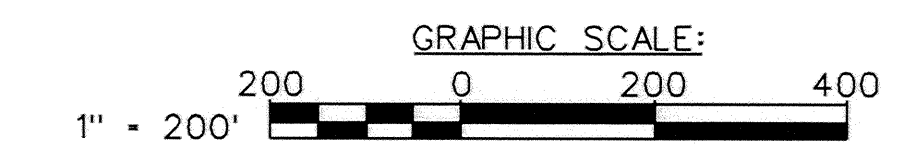
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DATE	APPROVAL	DESCRIPTION



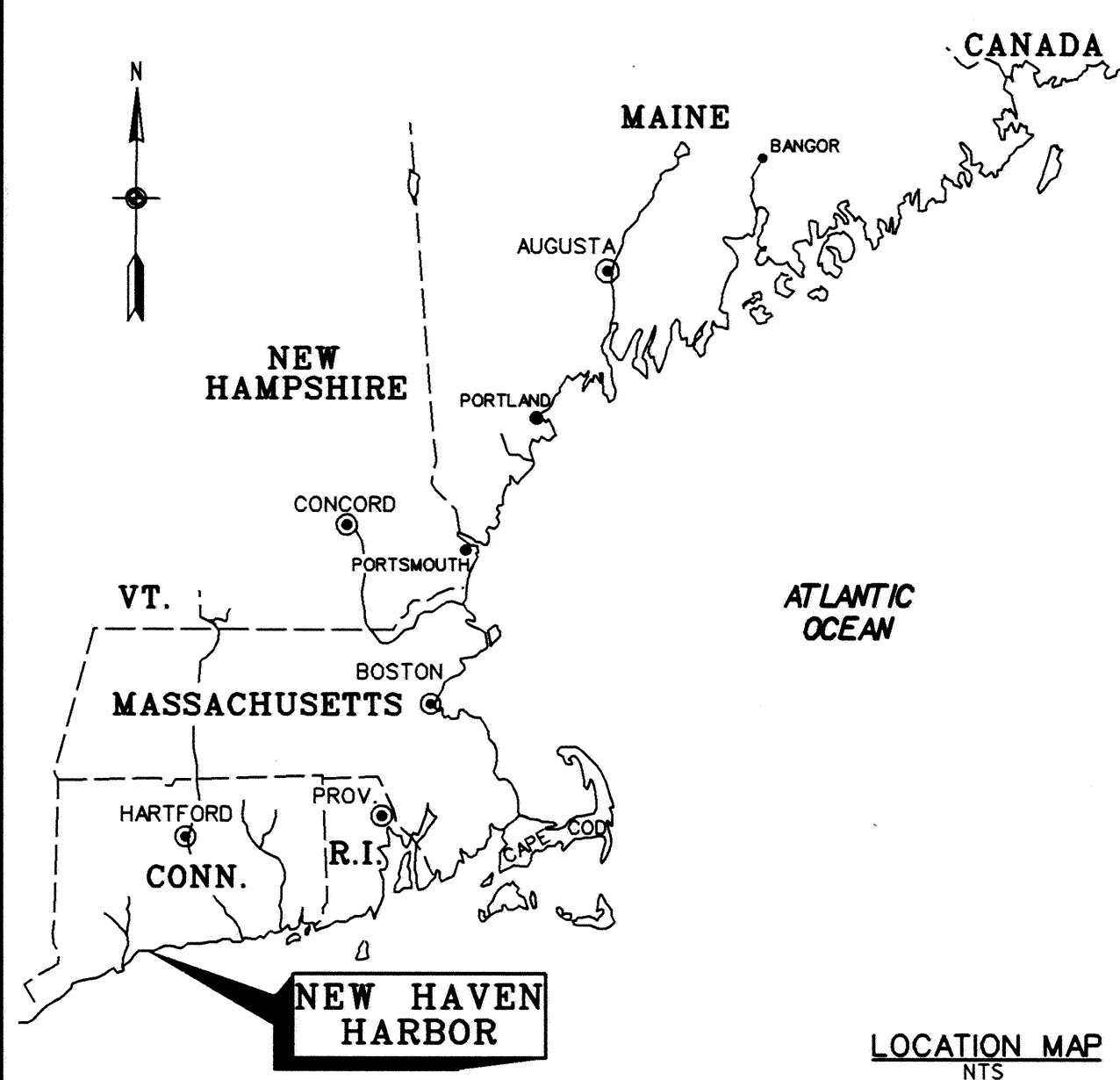
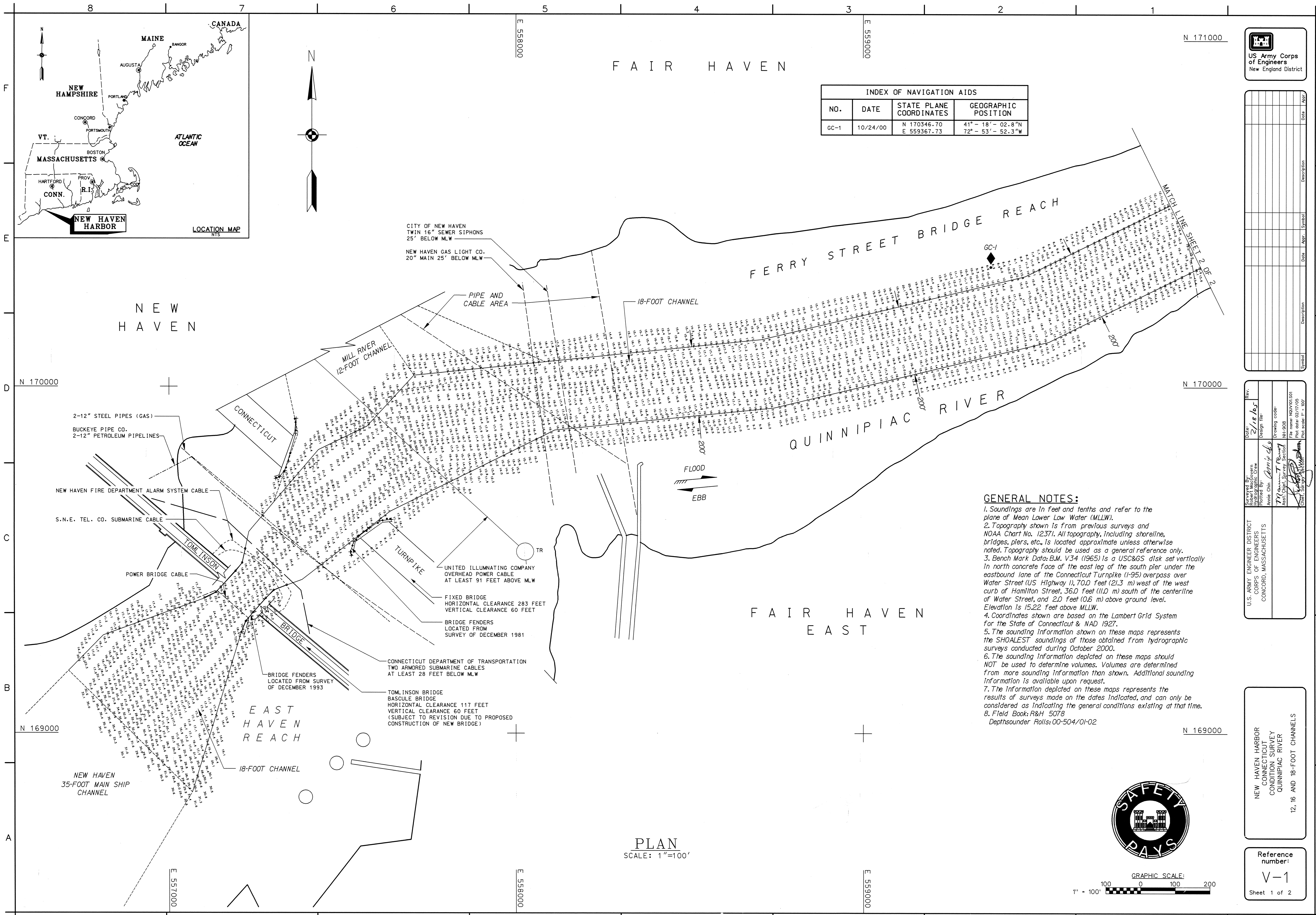
PLAN
SCALE: 1" = 200'

NOTES:
1. For General Notes see sheet 1 of 6.
2. TBM Hole (2000) used for this sheet.



NEW HAVEN HARBOR
NEW HAVEN, CONNECTICUT
CONDITION SURVEY
35-FOOT CHANNEL AND TURNING BASIN
16-FOOT ANCHORAGE

SHEET IDENTIFICATION
V-104
SHEET 4 OF 6

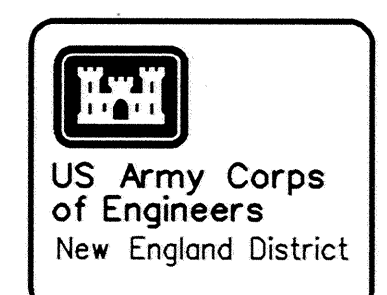


INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-1	10/24/00	N 170346.70 E 559367.73	41° - 18' - 02.8"N 72° - 53' - 52.3"W

NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-1	10/24/00	N 170346.70 E 559367.73	41° - 18' - 02.8"N 72° - 53' - 52.3"W

GENERAL NOTES:

1. Soundings are in feet and tenths and refer to the plane of Mean Lower Low Water (MLLW).
2. Topography shown is from previous surveys and NOAA Chart No. 12371. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted. Topography should be used as a general reference only.
3. Bench Mark Data: B.M. V34 (1965) is a USC&GS disk set vertically in north concrete face of the east leg of the south pier under the eastbound lane of the Connecticut Turnpike (I-95) overpass over Water Street (US Highway 1), 70.0 feet (21.3 m) west of the west curb of Hamilton Street, 36.0 feet (11.0 m) south of the centerline of Water Street, and 2.0 feet (0.6 m) above ground level. Elevation is 15.22 feet above MLLW.
4. Coordinates shown are based on the Lambert Grid System for the State of Connecticut & NAD 1927.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during October 2000.
6. 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.
7. 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.
8. Field Book: R&H 5078
Depthsounder Rolls: 00-504/01-02

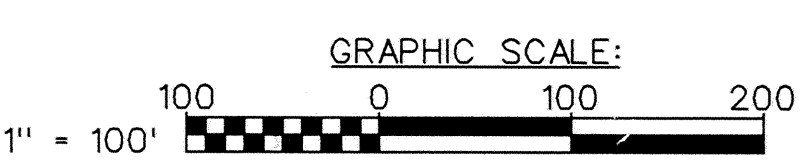


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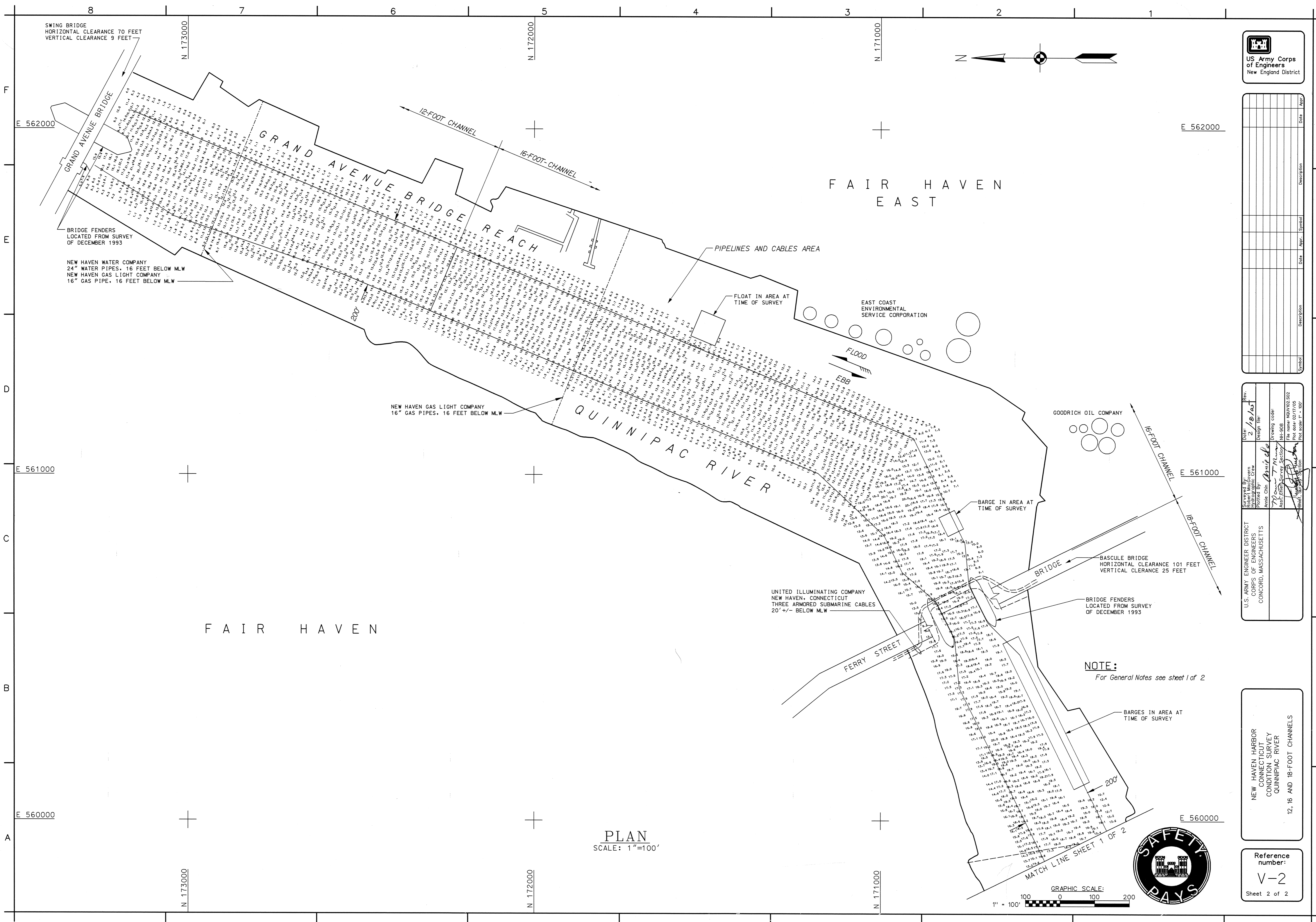
Surveyed By: Robert MacGovern Projected By: Anne Chin U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CONCORD, MASSACHUSETTS	Date: 2/18/05 Design file: Anne Chin Drawing code: 12-16-18-008 File name: NHA001001 Plot date: 02/17/05 Plot scale: 1" = 800'
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NEW HAVEN HARBOR
CONNECTICUT
CONDITION SURVEY
QUINNIPIAC RIVER
12-16 AND 18-FOOT CHANNELS

Reference number:
V-1
Sheet 1 of 2



PLAN
SCALE: 1"=100'



SWING BRIDGE
HORIZONTAL CLEARANCE 70 FEET
VERTICAL CLEARANCE 9 FEET

GRAND AVENUE BRIDGE

BRIDGE FENDERS
LOCATED FROM SURVEY
OF DECEMBER 1993

NEW HAVEN WATER COMPANY
24" WATER PIPES, 16 FEET BELOW MLW
NEW HAVEN GAS LIGHT COMPANY
16" GAS PIPE, 16 FEET BELOW MLW

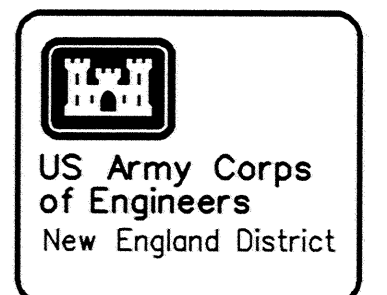
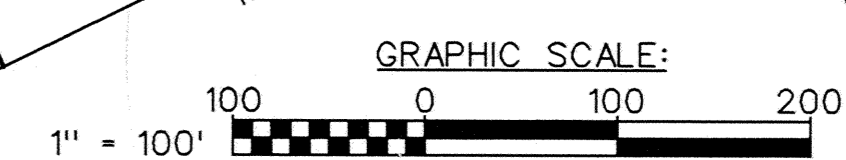
NEW HAVEN GAS LIGHT COMPANY
16" GAS PIPES, 16 FEET BELOW MLW

UNITED ILLUMINATING COMPANY
NEW HAVEN, CONNECTICUT
THREE ARMORED SUBMARINE CABLES
20' +/- BELOW MLW

BRIDGE FENDERS
LOCATED FROM SURVEY
OF DECEMBER 1993

NOTE:
For General Notes see sheet 1 of 2

PLAN
SCALE: 1"=100'



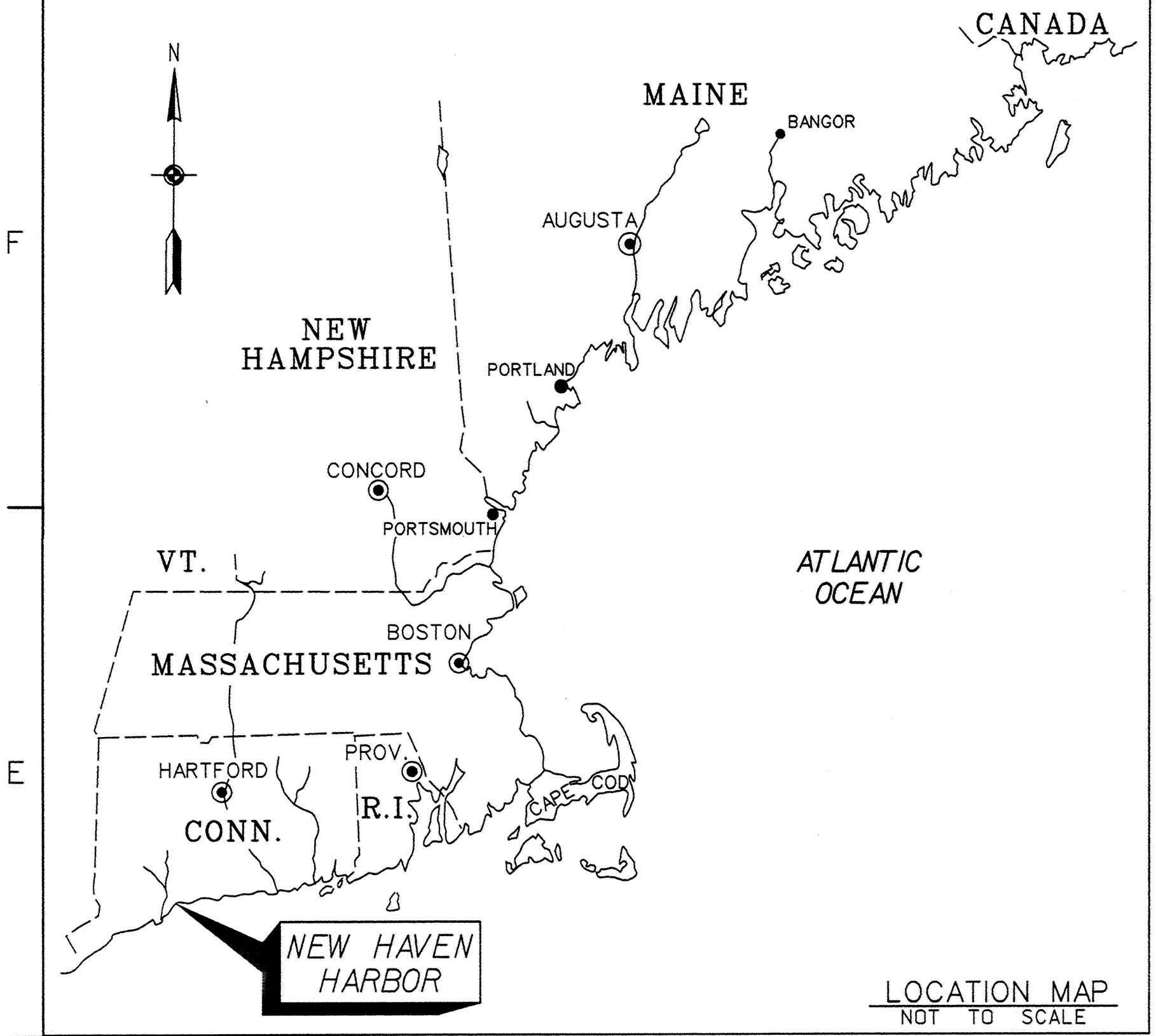
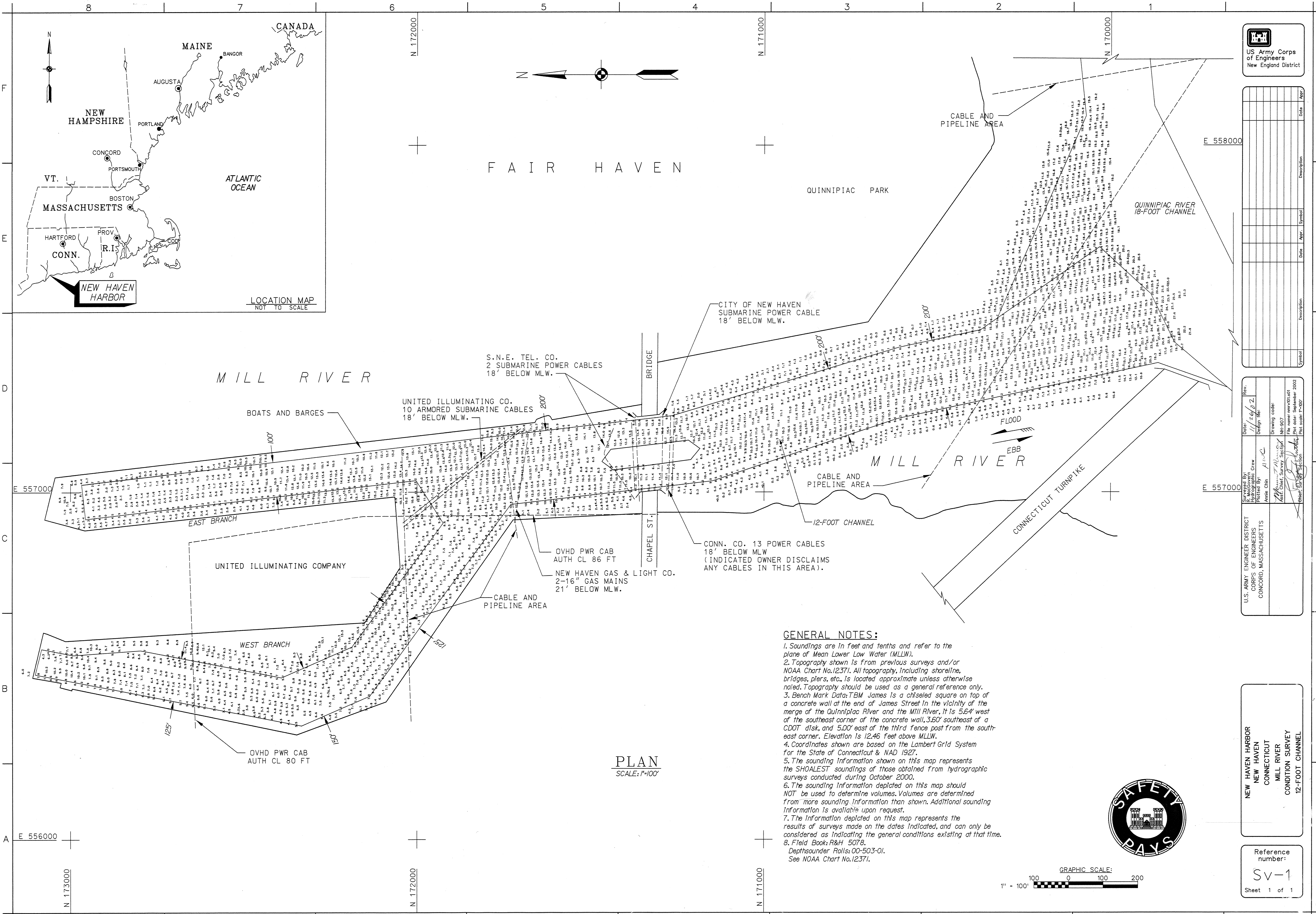
Rev.	Date	Description

Surveyed By: Plotted By: Checked By: Date: 2/8/03 Design File: Drawing Code: NH-008 File Name: NHQUV02.S02 Plot Date: 02/17/05 Plot Scale: P = 200	U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CONCORD, MASSACHUSETTS
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NEW HAVEN HARBOR
CONNECTICUT
CONDITION SURVEY
QUINNIPAC RIVER
12, 16 AND 18-FOOT CHANNELS

Reference number:
V-2

Sheet 2 of 2

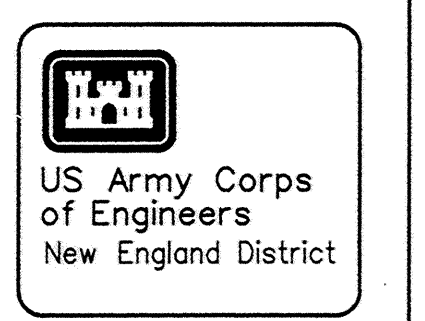
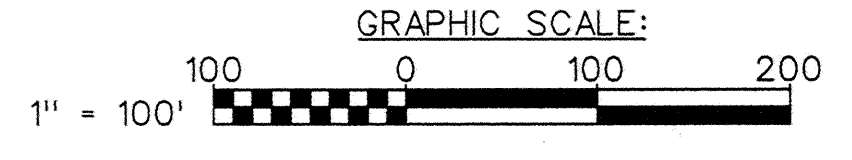


F A I R H A V E N

PLAN
SCALE: 1"=100'

GENERAL NOTES:

1. Soundings are in feet and tenths and refer to the plane of Mean Lower Low Water (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. Topography should be used as a general reference only.
3. Bench Mark Data: TBM James Is a chiseled square on top of a concrete wall at the end of James Street in the vicinity of the merge of the Quinnipiac River and the Mill River. It is 5.64' west of the southeast corner of the concrete wall, 3.60' southeast of a CDOT disk, and 5.00' east of the third fence post from the southeast corner. Elevation is 12.46 feet above MLLW.
4. Coordinates shown are based on the Lambert Grid System for the State of Connecticut & NAD 1927.
5. The sounding information shown on this map represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during October 2000.
6. The sounding information depicted on this map should NOT be used to determine volumes. Volumes are determined from more sounding information than shown. Additional sounding information is available upon request.
7. The information depicted on this map represents the results of surveys made on the dates indicated, and can only be considered as indicating the general conditions existing at that time.
8. Field Book: R&H 5078.
Depthsounder Rolls: 00-503-01.
See NOAA Chart No. 12371.



Symbol	Description	Date	Appr.	Date	Appr.

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CONCORD, MASSACHUSETTS	Surveyed By: Hydrographic Crew Plotted By: Anne Chin	Date: 11/26/02 Design file: NH-907	Drawing code: NH-907 File name: mmv01a01 Plot date: September 2002 Plot scale: 1"=100'
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NEW HAVEN HARBOR
 NEW HAVEN
 CONNECTICUT
 MILL RIVER
 CONDITION SURVEY
 12-FOOT CHANNEL

Reference number:
 Sv-1
 Sheet 1 of 1

