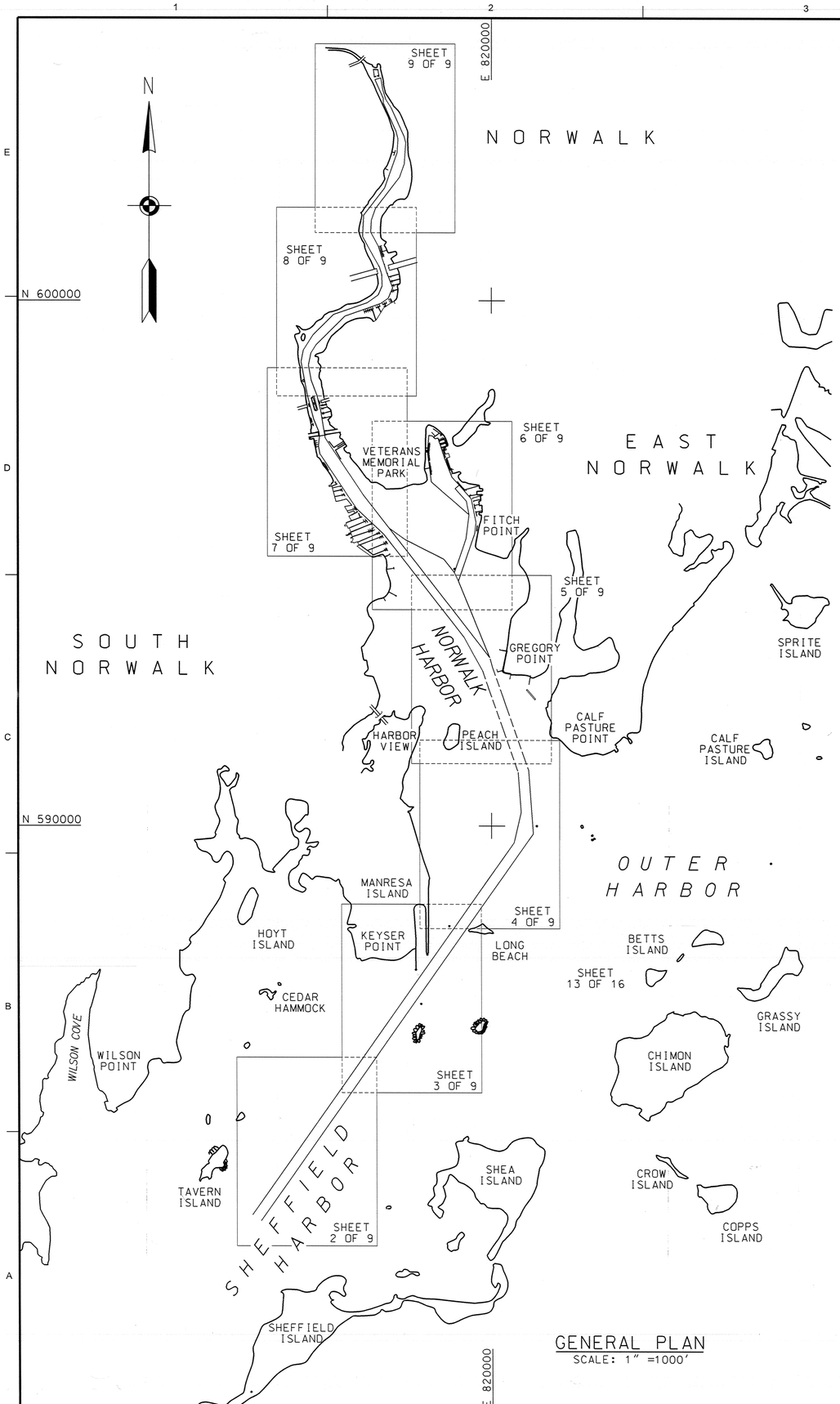
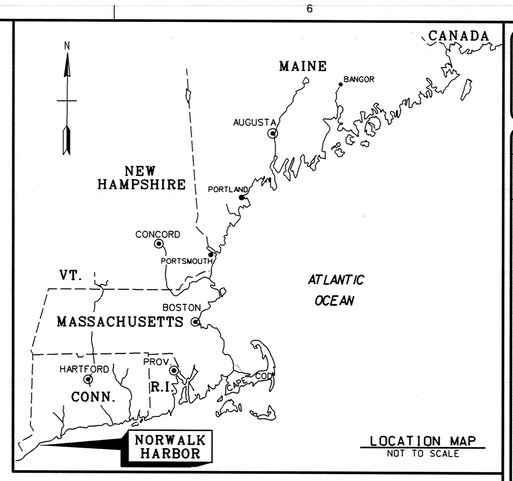


GENERAL PLAN
SCALE: 1" =1000'

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
FI R-2	2/18/09	N 582755.10 E 815822.38	41° - 03′ - 30.6″N 73° - 25′ - 04.1″W
GC-3	2/18/09	N 582877.80 E 815615.98	41° - 03′ - 31.8″N 73° - 25′ - 06.8″W
FI R-4	2/18/09	N 584315.71 E 816914.57	41° - 03′ - 46.1″N 73° - 24′ - 50.0″W
GC-5	2/18/09	N 584476.93 E 816739.01	41° - 03′ - 47.7″N 73° - 24′ - 52.3″W
GC-7	2/18/09	N 585623.94 E 817541.93	41° - 03′ - 59.1″N 73° - 24′ - 42.0″W
RN-8	2/18/09	N 585816.54 E 818056.42	41° - 04′ - 01.0″N 73° - 24′ - 35.3″W
GC-9	2/18/09	N 586860.67 E 818327.08	41° - 04′ - 11.4″N 73° - 24′ - 31.8″W
GC-11A	2/18/09	N 588191.80 E 819368.80	41° - 04′ - 24.6″N 73° - 24′ - 18.4″W
RN-12	2/18/09	N 589063.86 E 820304.48	41° - 04′ - 33.3″N 73° - 24′ - 06.3″W
GC-13	2/18/09	N 589403.36 E 820203.19	41° - 04′ - 36.6″N 73° - 24′ - 07.6″W
GC-15	2/18/09	N 590256.83 E 820462.34	41° - 04′ - 45.1″N 73° - 24′ - 04.3″W
GC-17	2/18/09	N 591519.27 E 820436.53	41° - 04′ - 57.6″N 73° - 24′ - 04.8″W
GC-19	2/18/09	N 593314.66 E 819605.17	41° - 05′ - 15.2″N 73° - 24′ - 15.8″W
GC-21	2/18/09	N 594321.95 E 818841.29	41° - 05′ - 25.1″N 73° - 24′ - 25.9″W
RN-2	2/18/09	N 594636.73 E 819431.47	41° - 05′ - 28.3″N 73° - 24′ - 18.2″W
GC-3	2/18/09	N 595215.00 E 819408.99	41° - 05′ - 34.0″N 73° - 24′ - 18.6″W
GC-5	2/18/09	N 595863.54 E 819578.40	41° - 05′ - 40.4″N 73° - 24′ - 16.4″W



LOCATION MAP
NOT TO SCALE

GENERAL NOTES:

1. Soundings are in feet and tenths and are referred to the plane of Mean Lower Low Water (MLLW) 1983-2001 Tidal Epoch.
2. Topography from previous surveys and/or NOAA Chart No. 12368. 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 for Sheets 2-5: TBM Ledge (2007) is a 1/4 " drill hole within a chiseled triangle, on a high point of ledge at the southernmost point on the power plant property (Norwalk Harbor Generating Station). TBM Ledge is west of a pier and unloading slip on the southernmost end of the property, 48.0 feet (14.6 m) south of the south side of a dirt road where it meets the grass and 54.3 feet (16.6 m) southwest of the center of the most easterly group of pine trees. Elevation is 10.11 feet above MLLW.
4. Bench Mark Data for Sheets 5-7: TBM Sono (2007) is a 1/4 " drill hole on the high spot of a concrete block that is part of a seawall. This point is 38.40 feet (11.7 m) east of a stone stalked wall and 3.80 feet (1.16 m) northwest of an apppproximately 3 feet (0.91 m) tall cement post, located in an asphalt parking lot off of Water Street (AKA Route 136) just north of the Norwalk Police Marine Patrol Office and Sono Seaport Seafood and also directly across from the Town Ramp Boat on the west bank of the river. Elevation is 11.75 feet above MLLW.
5. Bench Mark Data for Sheets 7-9: TBM 95 South (2007) is a 3/16 " drill hole in the top of a bolt in the most southwest corner of the base of a bollard located on the property of Shore Point Office Complex private dock, 12.48 feet (3.8 m) east of the outside edge of a wooden dock, 14.77 feet (4.5 m) northeast of a large bit in the southwest corner of deck and 4.67 feet (1.42 m) northwest of a corner joint of cement edging. The office complex is located on the corner of Selleck Street and Mulberry Lane. Elevation is 13.43 feet above MLLW.
6. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning was obtained utilizing a Leica 1200 GPS System. The RTK base stations were set up on Sta. TBM Ledge (2007), TBM Beach (2009), TBM Sono (2007) and TBM 95 South (2007).
7. Coordinates are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
8. The sounding information depicted on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted from January thru February 2009
9. The sounding information depicted on these maps should NOT be used to determine volumes. Volumes were determined from more sounding information than shown. Sounding information is available in digital format 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. Field Books: R&H 3975 and 5118
Depthsounder Rolls: 09-973/01-09
Surveyed by: Robert MacGovern and Crew

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

US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

DATE: 3/18/09
DWN BY: Mark J. Sullivan
CKD BY:
DESIGN FILE: NWH85FS.DGN
DRAWING CODE: IHWR
PLOT SCALE: 1:1
PLOT DATE:
F-STOP: 11
LYOUT:
FILE NAME: N0H85M101.S01
SIZE: ANSI F

REVIEWED BY:
Asst. Chief, Survey Section
SIGNATURE:
Chief, Engineering Section

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

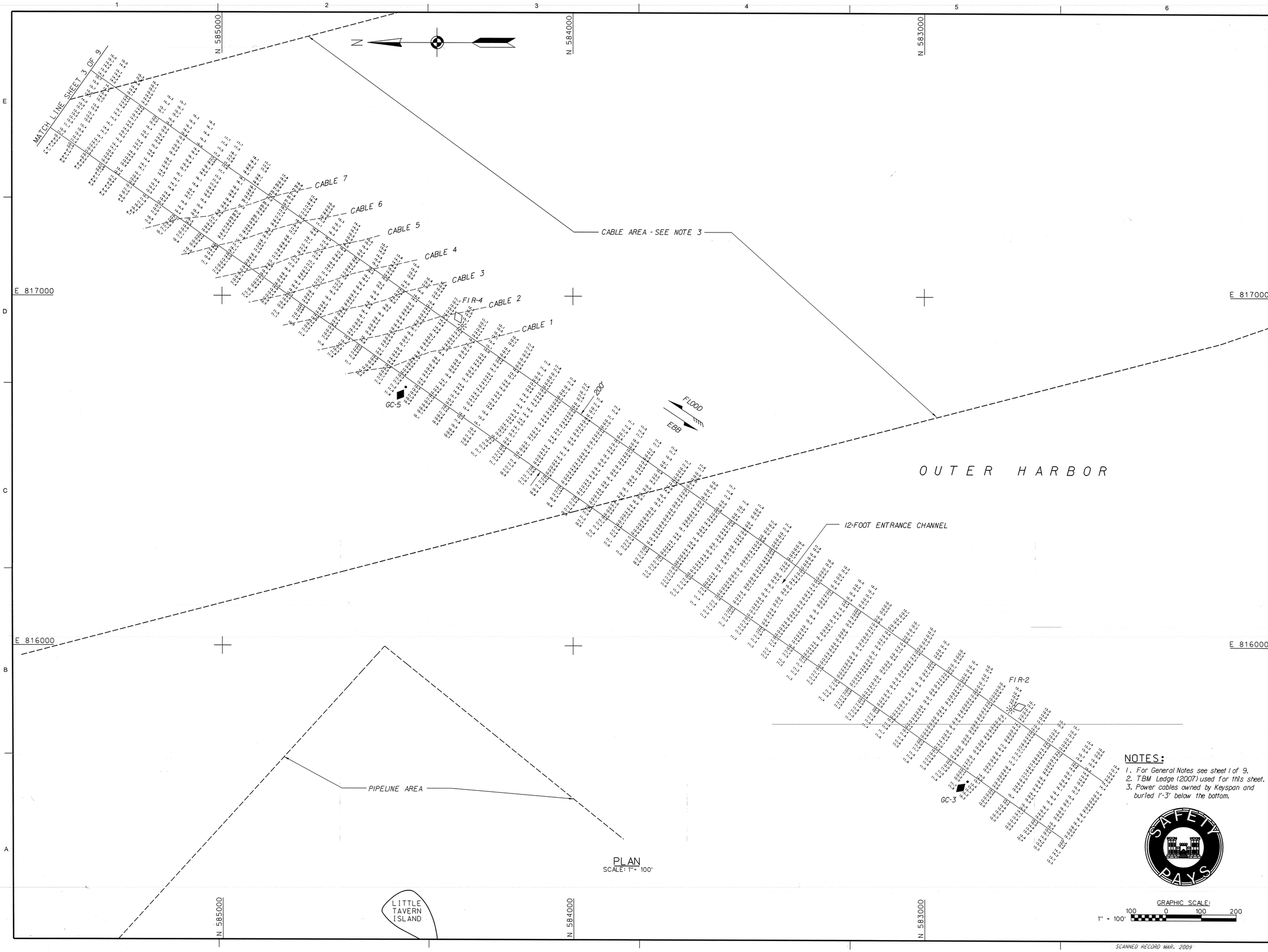
NORWALK HARBOR
NORWALK, CONNECTICUT
AFTER DREDGE/CONDITION SURVEY

6, 10 AND 12-FOOT CHANNELS
6 AND 10-FOOT ANCHORAGES
10-FOOT TURNING BASIN

SHEET IDENTIFICATION
V-101
SHEET 1 OF 9

SAFETY PAYS

SCANNED RECORD MAR. 2009



PLAN
SCALE: 1"= 100'

NOTES:

1. For General Notes see sheet 1 of 9.
2. TBM Ledge (2007) used for this sheet.
3. Power cables owned by Keyspan and buried 1'-3' below the bottom.

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

SAFETY PAYS

US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

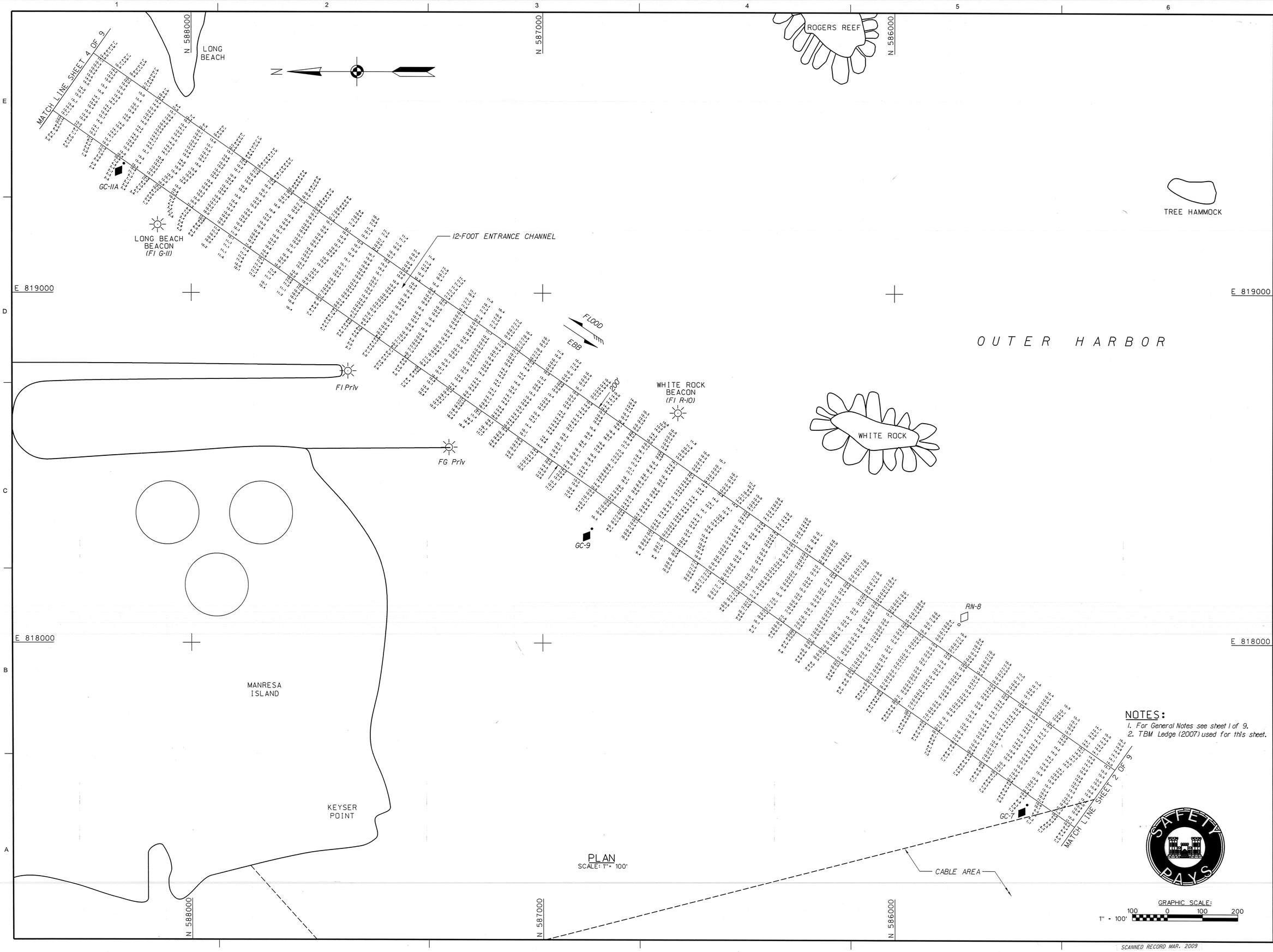
REVIEWED BY: Asst. Chief Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 3/18/09
DWN BY: DWN BY
CKD BY: CHKD BY
DESIGN FILE: NWH5SR3.DGN
PLOT SCALE: 1"=100'
PLOT DATE:
DRAWING CODE: HK-460
SIZE: ANSI F
FILE NUMBER: NWH5SR3V102.SHZ

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

NORWALK HARBOR
NORWALK, CONNECTICUT
AFTER DREDGE/CONDITION SURVEY
6, 10 AND 12-FOOT CHANNELS
6 AND 10-FOOT ANCHORAGES
10-FOOT TURNING BASIN

SHEET IDENTIFICATION
V-102
SHEET 2 OF 9

SCANNED RECORD MAR. 2009



PLAN
SCALE: 1"= 100'

NOTES:
1. For General Notes see sheet 1 of 9.
2. TBM Ledge (2007) used for this sheet.

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

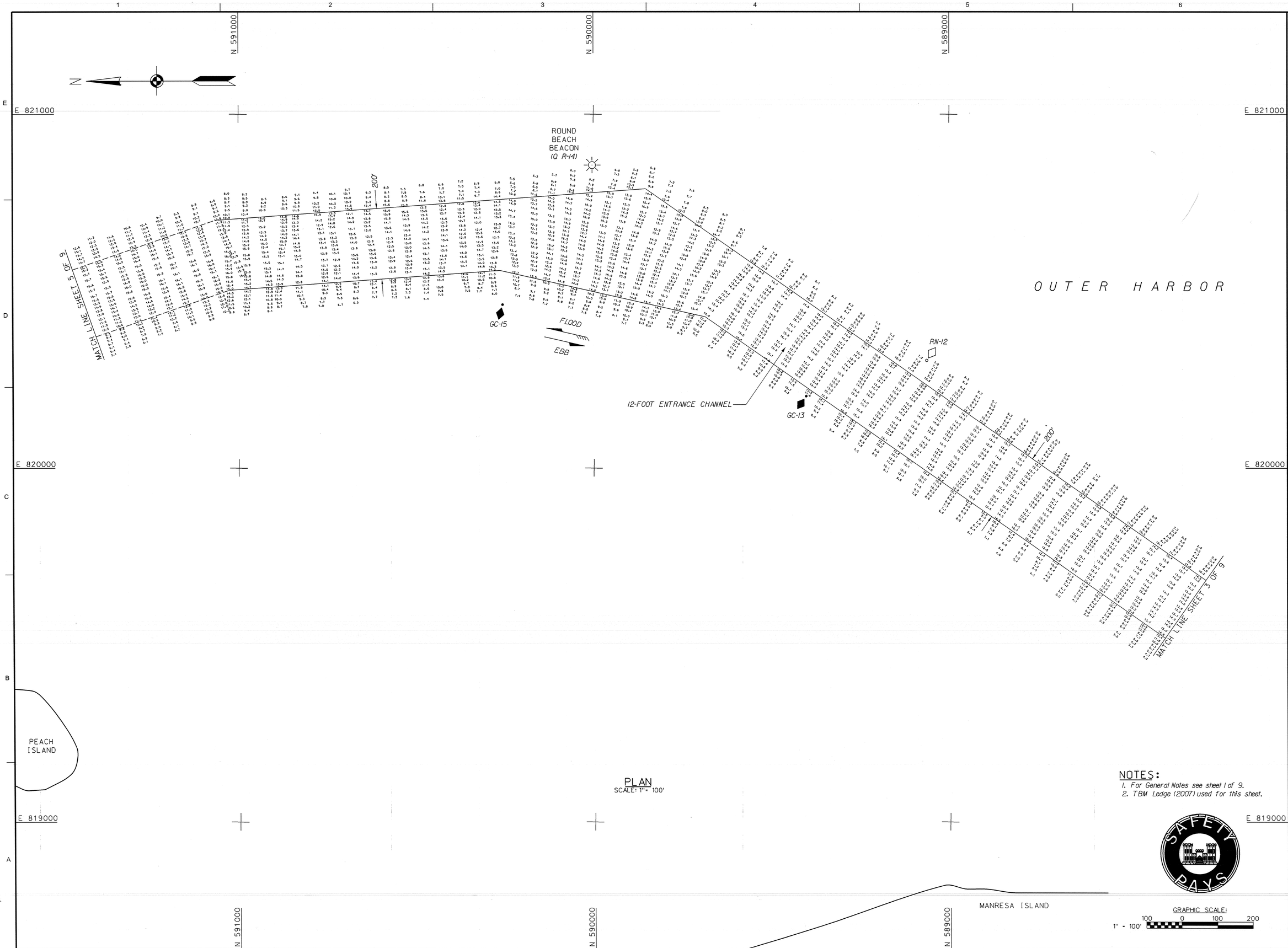
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 3/18/09
DWN BY: Dennis Avila
CKD BY: JWM
USER NAME: NAWHBP3.DGN
PLOT SCALE: 1" = 100'
PLOT DATE: 3/17/2009
DGN FILE: V-103.dgn
DRAWING CODE: NR-498
SIZE: ANSI F
FILE NAME: NAWHBS6V103.S03

NORWALK HARBOR
NORWALK, CONNECTICUT
AFTER DREDGE/CONDITION SURVEY

6, 10 AND 12-FOOT CHANNELS
6 AND 10-FOOT ANCHORAGES
10-FOOT TURNING BASIN

SHEET IDENTIFICATION
V-103
SHEET 3 OF 9

SCANNED RECORD MAR. 2009



PLAN
SCALE: 1" = 100'

NOTES:
1. For General Notes see sheet 1 of 9.
2. TBM Ledge (2007) used for this sheet.

SAFETY PAYS

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

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

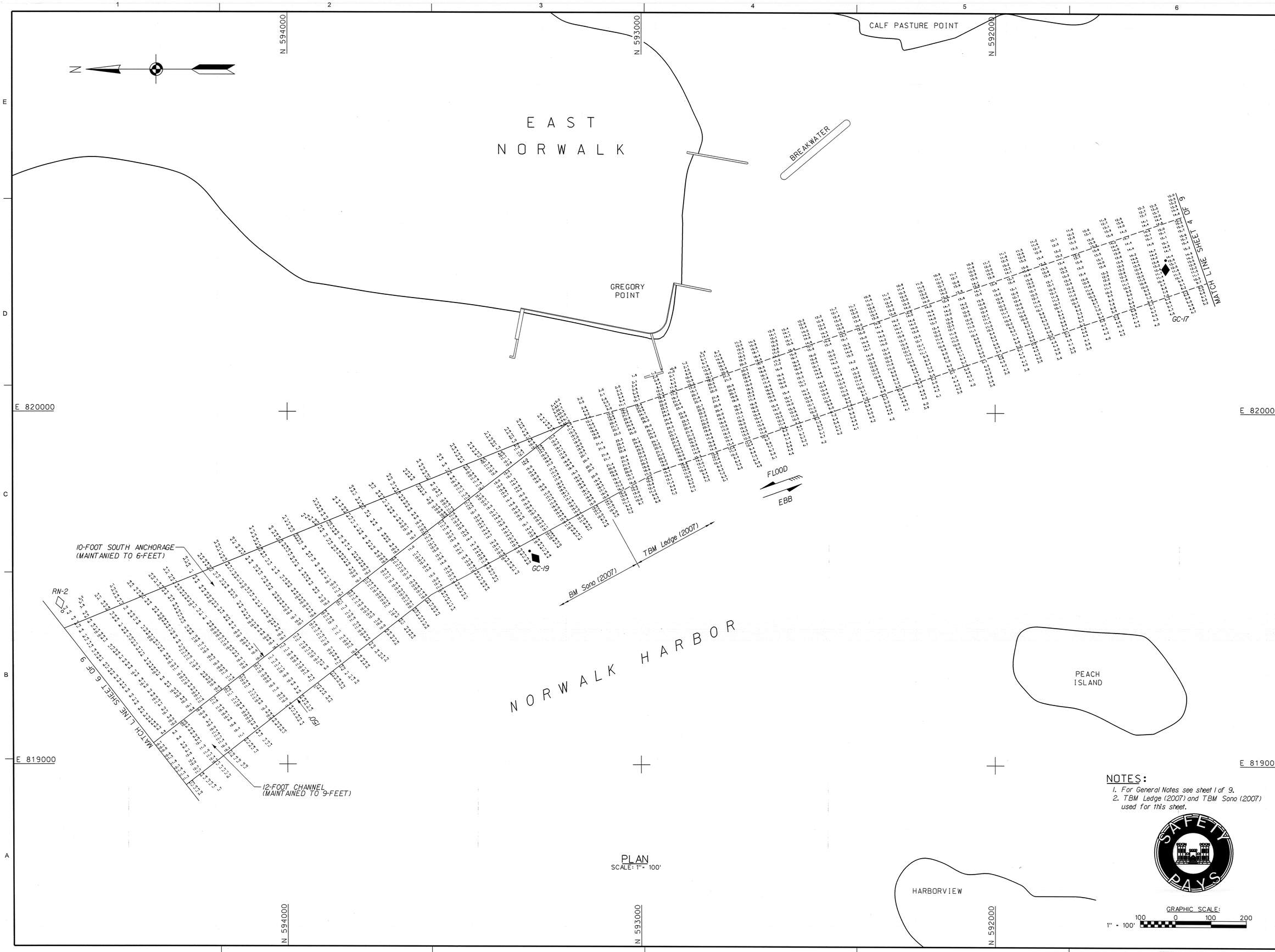
REVIEWED BY: Mr. Jason Phillips, Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section

DATE: 3/18/09
DWN BY: Mr. Jason Phillips
CKD BY: JWM
DESIGN FILE: NWH1895.DGN
DRAWING CODE: AE/GB
PLOT SCALE: 1" = 100'
PLOT DATE: 4/17/2009
SIZE: ANSI F
FILE NAME: NWH1895Y154-S04

NORWALK HARBOR
NORWALK, CONNECTICUT
AFTER DREDGE CONDITION SURVEY
6, 10 AND 12-FOOT CHANNELS
6 AND 10-FOOT ANCHORAGES
10-FOOT TURNING BASIN

SHEET IDENTIFICATION
V-104
SHEET 4 OF 9

SCANNED RECORD MAR. 2009



PLAN
SCALE: 1" = 100'

NOTES:

1. For General Notes see sheet 1 of 9.
2. TBM Ledge (2007) and TBM Sono (2007) used for this sheet.

SAFETY PAYS

US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

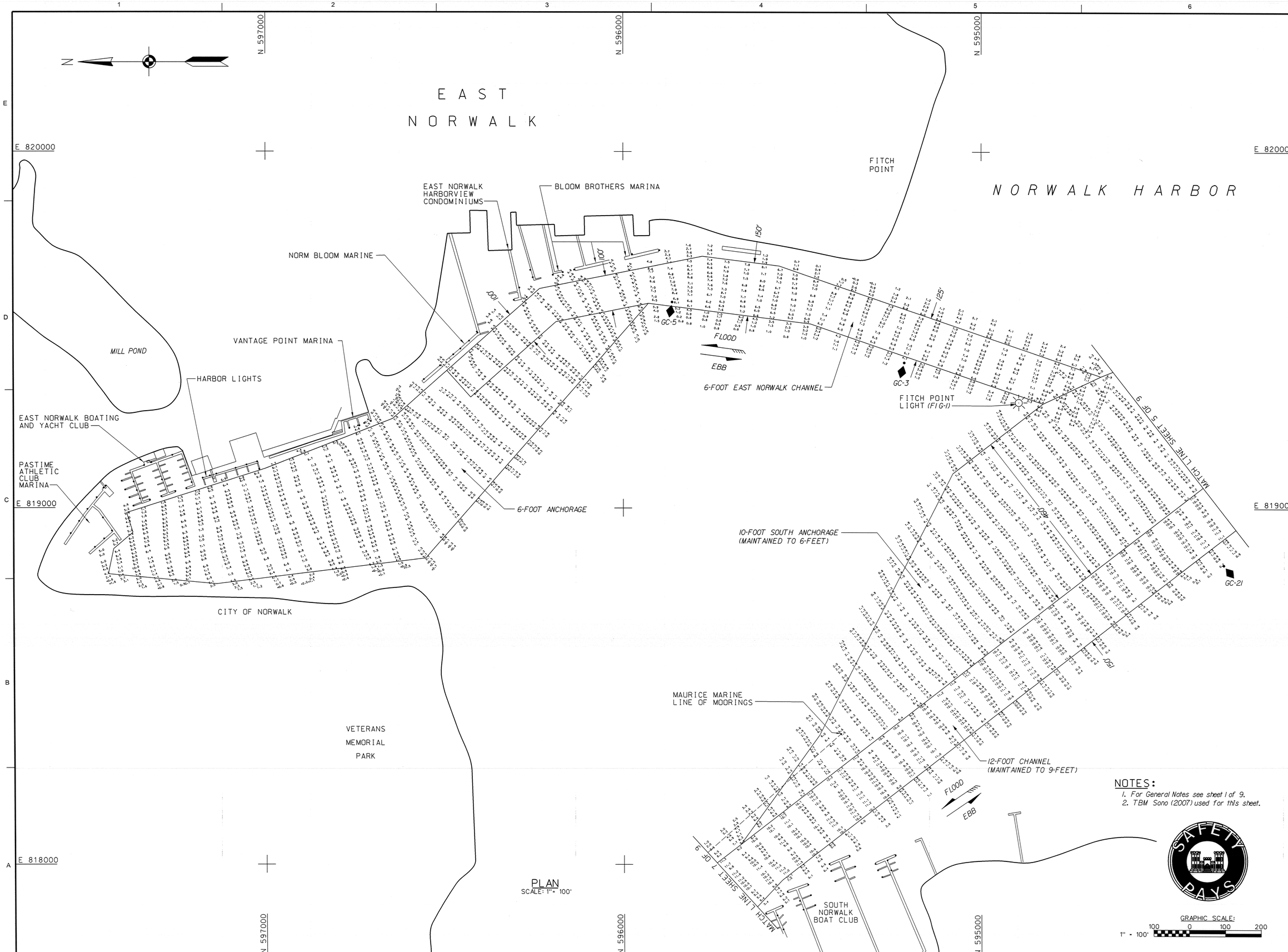
U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

SUBMITTED BY: Asst. Chief, Survey Section
DATE: 3/16/09
DWN BY: SWS
CKD BY: WHW
DESIGN BY: SWS
DESIGN FILE: NWH8SR1.DGN
PLOT SCALE: 1" = 100'
PLOT DATE: 3/17/2009
DRAWING CODE: NK-905
SIZE: ANSI F
FILE NUMBER: NWH8SR1/105.595

NORWALK HARBOR
NORWALK, CONNECTICUT
AFTER DREDGE/CONDITION SURVEY
6, 10 AND 12-FOOT CHANNELS
6 AND 10-FOOT ANCHORAGES
10-FOOT TURNING BASIN

SHEET IDENTIFICATION
V-105
SHEET 5 OF 9

SCANNED RECORD MAR. 2009



PLAN
SCALE: 1" = 100'

NOTES:
1. For General Notes see sheet 1 of 9.
2. TBM Sono (2007) used for this sheet.

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: Asst. Chief, Survey Section
SUPERVISED BY: Chief, Survey Section

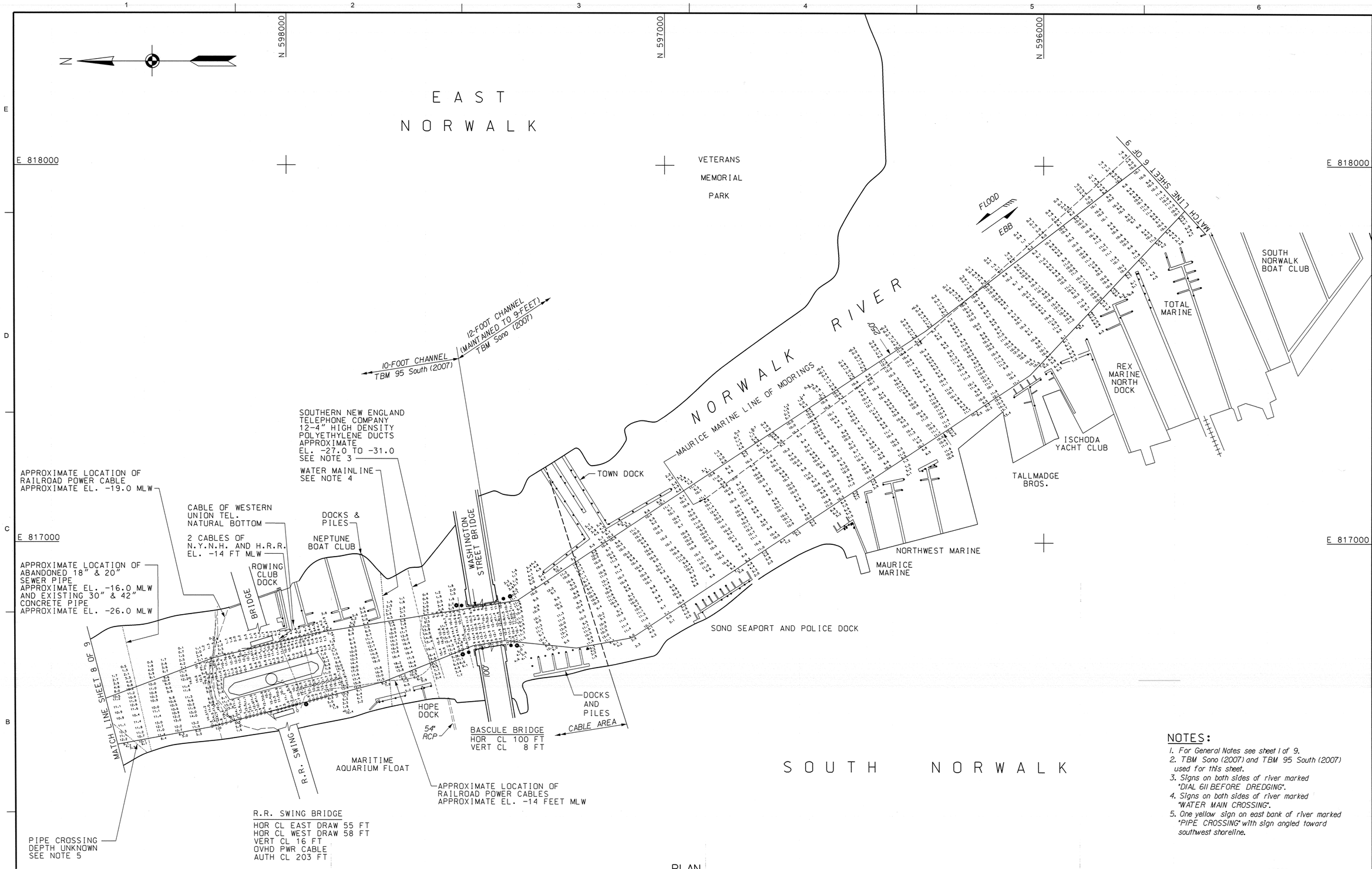
DATE: 31 Feb 07
DWN BY: Bob Cavallaro
CKD BY: Mark Wilson
DESIGN FILE: NWHSP3.DGN
DRAWING CODE: NWHSP
PLOT DATE:
PLOT SCALE: 1" = 100'
PLOT TIME:
FILE NAME: NWHSP07R-506
SIZE: ANSI F

NORWALK HARBOR
NORWALK, CONNECTICUT
AFTER DREDGE/CONDITION SURVEY
6, 10 AND 12-FOOT CHANNELS
6 AND 10-FOOT ANCHORAGES
10-FOOT TURNING BASIN

SHEET IDENTIFICATION
V-106
SHEET 6 OF 9

SAFETY PAYS

SCANNED RECORD MAR. 2009



PLAN
SCALE: 1" = 100'

NOTES:

1. For General Notes see sheet 1 of 9.
2. TBM Sono (2007) and TBM 95 South (2007) used for this sheet.
3. Signs on both sides of river marked "DIAL 611 BEFORE DREDGING".
4. Signs on both sides of river marked "WATER MAIN CROSSING".
5. One yellow sign on east bank of river marked "PIPE CROSSING" with sign angled toward southwest shoreline.

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

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: Jack Cheal, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 3/16/09
DWN BY: J. Lee
CKD BY: J. Hunt
SYSTEM FILE: NWH83P13.DGN
PLOT SCALE: 1" = 100'
PLOT DATE: 3/17/2009
DRAWING CODE: NA-488
SIZE: ANSI F
FILENAME: NWH8983V107.S07

NORWALK HARBOR
NORWALK, CONNECTICUT
AFTER DREDGE/CONDITION SURVEY
6, 10 AND 12-FOOT CHANNELS
6 AND 10-FOOT ANCHORAGES
10-FOOT TURNING BASIN

SHEET IDENTIFICATION
V-107
SHEET 7 OF 9

SCANNED RECORD MAR. 2009

PLAN

SCALE: 1"=100'

NOTES:

1. For General Notes see sheet 1 of 9.
2. TBM 95 South (2007) used for this sheet.
3. One yellow sign on east bank of river marked "PIPE CROSSING" with sign angled toward southwest shoreline.

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

US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

DATE: 3/18/09
DWN BY: MARK SCHMITT
CKD BY: WWM
DESIGN FILE: NWHRBPS.DGN
DRAWING CODE: HAR-080
PLOT SCALE: 1" = 100'
PLOT DATE: 3/18/2009
SIZE: ANSI F
FILE NAME: NWHRBSV108.S09

REVIEWED BY:
Asst. Chief, Survey Section
Chief, Survey Section

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

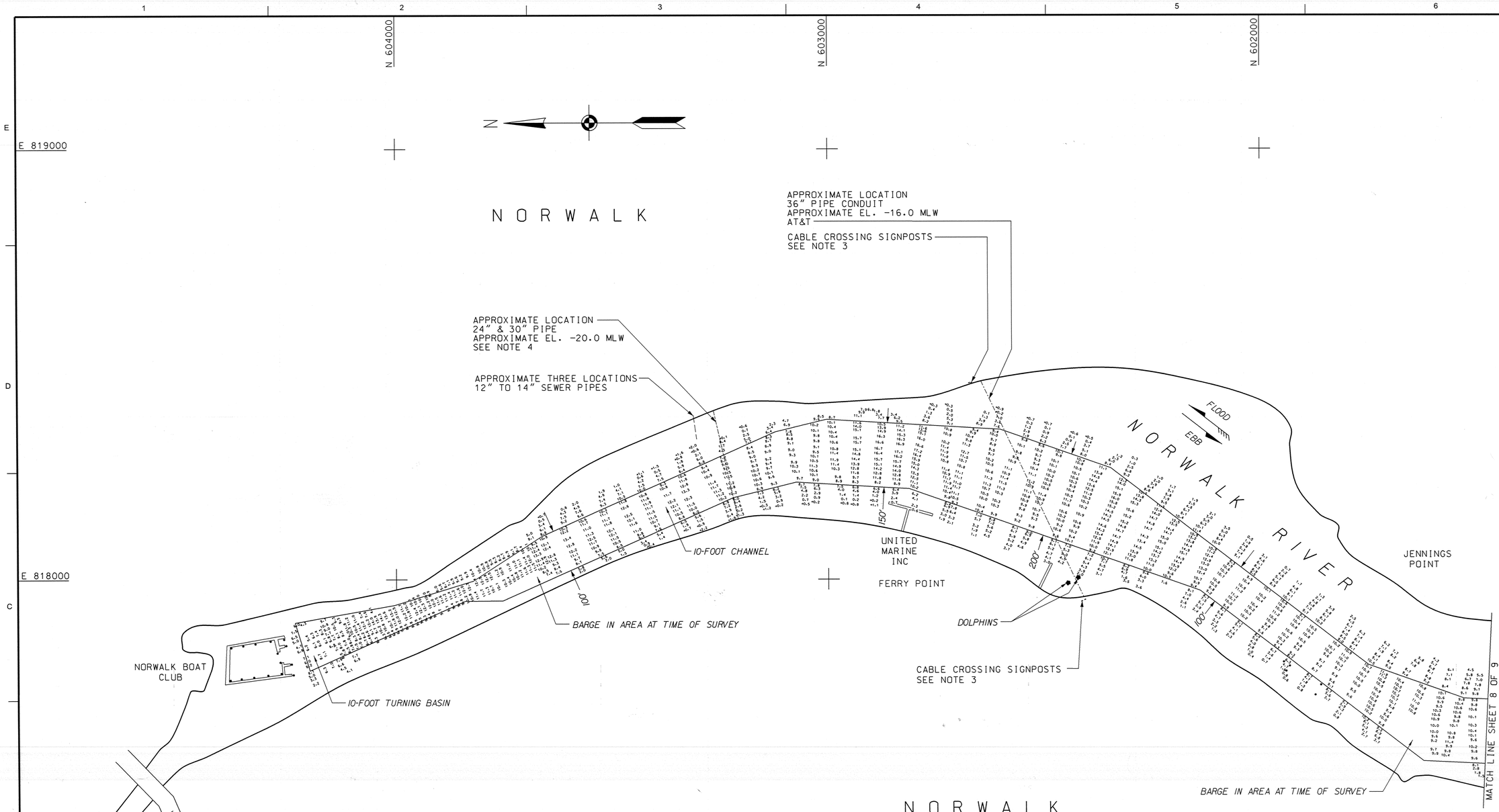
NORWALK HARBOR
NORWALK, CONNECTICUT
AFTER DREDGE/CONDITION SURVEY

6, 10 AND 12-FOOT CHANNELS
6 AND 10-FOOT ANCHORAGES
10-FOOT TURNING BASIN

SHEET IDENTIFICATION
V-108
SHEET 8 OF 9

SAFETY PAYS

SCANNED RECORD MAR. 2009



PLAN

SCALE: 1"=100'

NOTES:

1. For General Notes see sheet 1 of 9.
2. TBM 95 South (2007) used for this sheet.
3. Signs on both sides of river marked "AT&T CABLE CROSSING".
4. Generic crossing signs on both sides of river - no company name.

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

SAFETY PAYS

US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

DATE: 3/9/09
DWN BY: MWK
CKD BY: DWM
DESIGN FILE: NWHSP3.DGN
DRAWING CODE: WK-#9
PLOT SCALE: 1" = 100'
PLOT DATE: 3/10/09
SIZE: ANSI F
FILE NAME: NWWebKit/109.509

REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Hydrographic Section

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

NORWALK HARBOR
NORWALK, CONNECTICUT
AFTER DREDGE/CONDITION SURVEY

6, 10 AND 12-FOOT CHANNELS
6 AND 10-FOOT ANCHORAGES
10-FOOT TURNING BASIN

SHEET IDENTIFICATION
V-109
SHEET 9 OF 9

SCANNED RECORD MAR. 2009