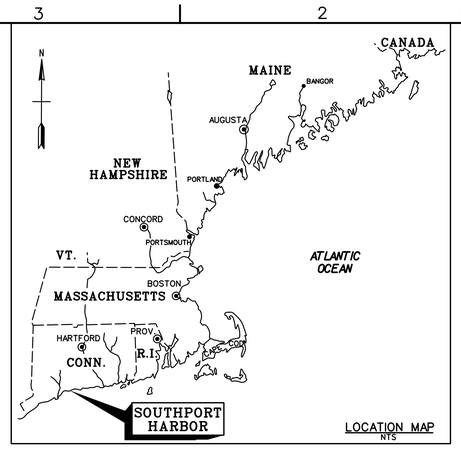
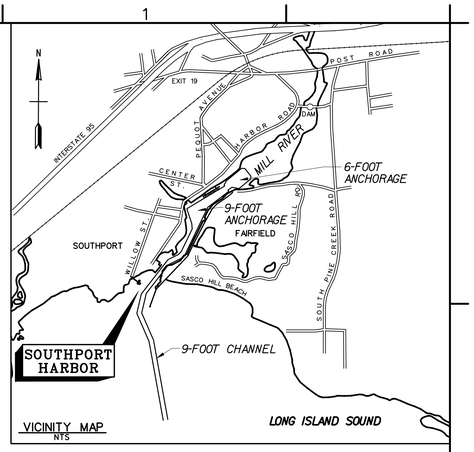




US Army Corps
of Engineers
New England District

MAINTENANCE DREDGING
9-FOOT CHANNEL AND ANCHORAGE

SOUTHPORT HARBOR

FAIRFIELD, CONNECTICUT

VALUE ENGINEERING PAYS DIVIDENDS

SAFETY PAYS

SOLICITATION # W912WJ-04-B-0013

SEE SPECIFICATIONS FOR DRAWING SIGNATURES

APPROVED FUNCTIONAL ADEQUACY
ROBERT MEADER /s/
TECHNICAL LEAD ENGINEER DATE:
REVIEWED BY:
CHRISTOPHER J. LINDSAY /s/
For CHIEF, DESIGN BRANCH DATE:
REVIEWED BY:
CH. HTRW/GEOTECH ENGRG BR DATE:

RECOMMENDED BY:
DAVID L. DULONG, P.E. /s/
For DEPUTY CHIEF, E/P DIV DATE:
APPROVED BY:
DAVID L. DULONG, P.E. /s/ 8/12/04
CHIEF, ENGRG/PLANNING DIV DATE:

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

This project was designed by the New England District of the U.S. Army Corps of Engineers. The initials or signatures and registration designations of individuals appear on these project documents, within the scope of their employment as required by ER 1110-1-8152.

WATER RESOURCES DEVELOPMENT PROJECT
MAINTENANCE DREDGING
9-FOOT CHANNEL AND ANCHORAGE
SOUTHPORT HARBOR
FAIRFIELD, CONNECTICUT

COVER SHEET

Reference number:
G-1
Sheet 1 of 3

SOUTHPORT HARBOR
FAIRFIELD, CONNECTICUT
9-FOOT CHANNEL AND ANCHORAGE
STATE PLANE NAD 1927

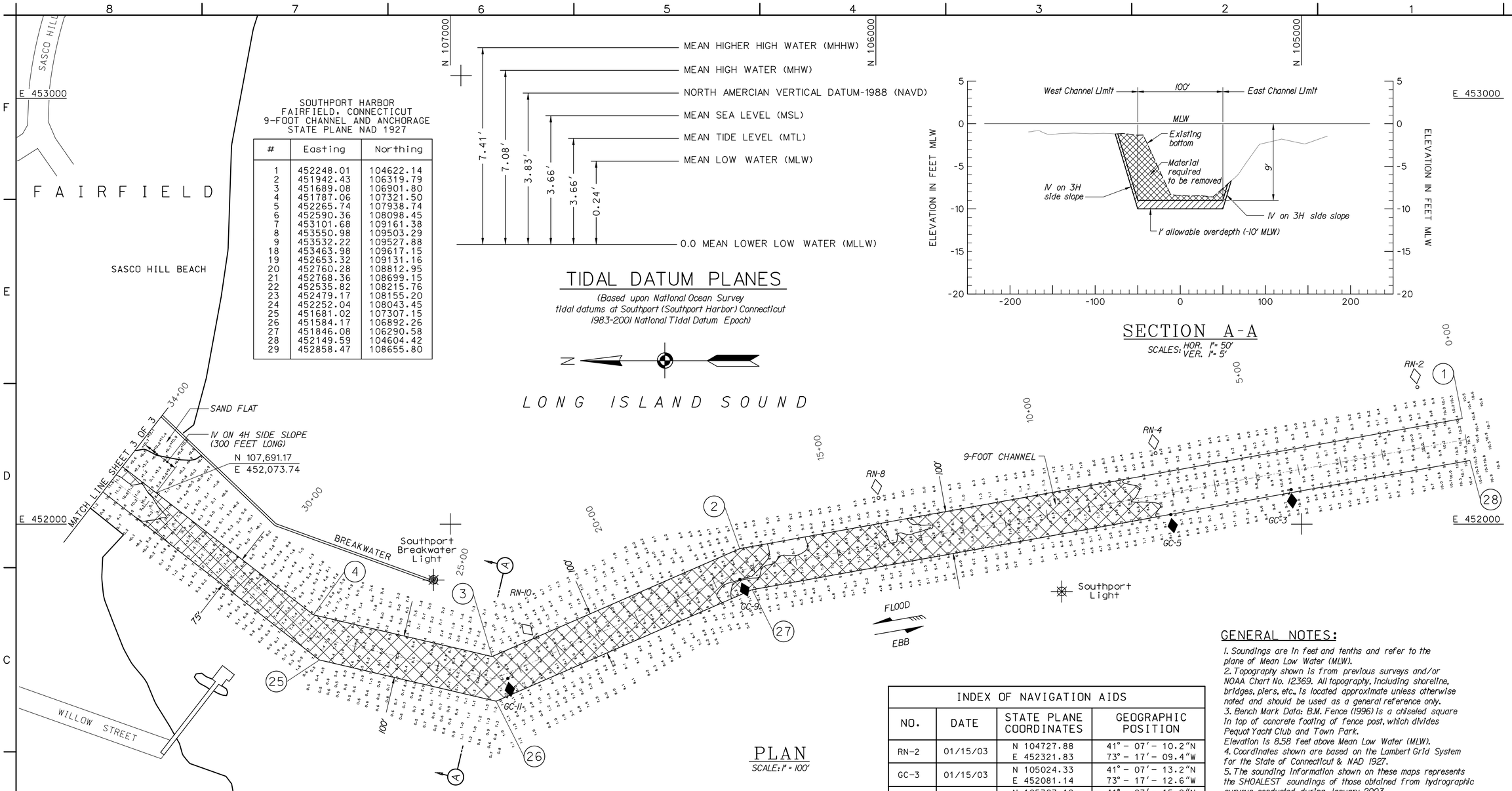
#	Easting	Northing
1	452248.01	104622.14
2	451942.43	106319.79
3	451689.08	106901.80
4	451787.06	107321.50
5	452265.74	107938.74
6	452590.36	108098.45
7	453101.68	109161.38
8	453550.98	109503.29
9	453532.22	109527.88
18	453463.98	109617.15
19	452653.32	109131.16
20	452760.28	108812.95
21	452768.36	108699.15
22	452535.82	108215.76
23	452479.17	108155.20
24	452252.04	108043.45
25	451681.02	107307.15
26	451584.17	106892.26
27	451846.08	106290.58
28	452149.59	104604.42
29	452858.47	108655.80

TIDAL DATUM PLANES

(Based upon National Ocean Survey tidal datums at Southport (Southport Harbor) Connecticut 1983-2001 National Tidal Datum Epoch)

SECTION A-A

SCALES: HOR. 1"= 50' VER. 1"= 5'



PLAN

SCALE: 1" = 100'

GENERAL NOTES:

1. Soundings are in feet and tenths and refer to the plane of Mean Low Water (MLW).
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: B.M. Fence (1996) is a chiseled square in top of concrete footing of fence post, which divides Pequot Yacht Club and Town Park. Elevation is 8.58 feet above Mean Low Water (MLW).
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 January 2003.
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 3854
   Depthsounder Rolls: 03-646/01-02

INDEX OF NAVIGATION AIDS

NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-2	01/15/03	N 104727.88 E 452321.83	41° - 07′- 10.2″N 73° - 17′- 09.4″W
GC-3	01/15/03	N 105024.33 E 452081.14	41° - 07′- 13.2″N 73° - 17′- 12.6″W
GC-5	01/15/03	N 105307.18 E 452022.58	41° - 07′- 15.9″N 73° - 17′- 13.4″W
RN-4	01/15/03	N 105342.87 E 452166.84	41° - 07′- 16.3″N 73° - 17′- 11.5″W
RN-8	01/15/03	N 105993.77 E 452061.69	41° - 07′- 22.7″N 73° - 17′- 12.9″W
GC-9	01/15/03	N 106319.37 E 451870.32	41° - 07′- 25.9″N 73° - 17′- 15.5″W
RN-10	01/15/03	N 106800.55 E 451733.87	41° - 07′- 30.7″N 73° - 17′- 17.3″W
GC-11	01/15/03	N 106864.59 E 451637.78	41° - 07′- 31.3″N 73° - 17′- 18.5″W

LEGEND

DESCRIPTION	SYMBOL
9-FOOT DEPTH CONTOUR	
MATERIAL REQUIRED TO BE DREDGED SHOWN THUS	
ALLOWABLE OVERDEPTH SHOWN THUS (10-FOOT DEPTH - CROSS SECTION)	
NAVIGATION AIDS	
CHANNEL COORDINATE	27

INDEX TO DRAWINGS

SHEET NO.		DRAWING FILE	TITLE
1	G-1	SPHGBS.DGN	COVER SHEET
2	C-1	SPHV101.S01	PLAN, SECTION, LEGEND, GENERAL NOTES, INDEX TO DRAWINGS AND NAVIGATION AIDS
3	C-2	SPHV102.S02	PLAN AND SECTIONS

GRAPHIC SCALES:
1" = 5' (5 0 5 10)
1" = 50' (50 0 50 100)
1" = 100' (100 0 100 200)

US Army Corps of Engineers
New England District

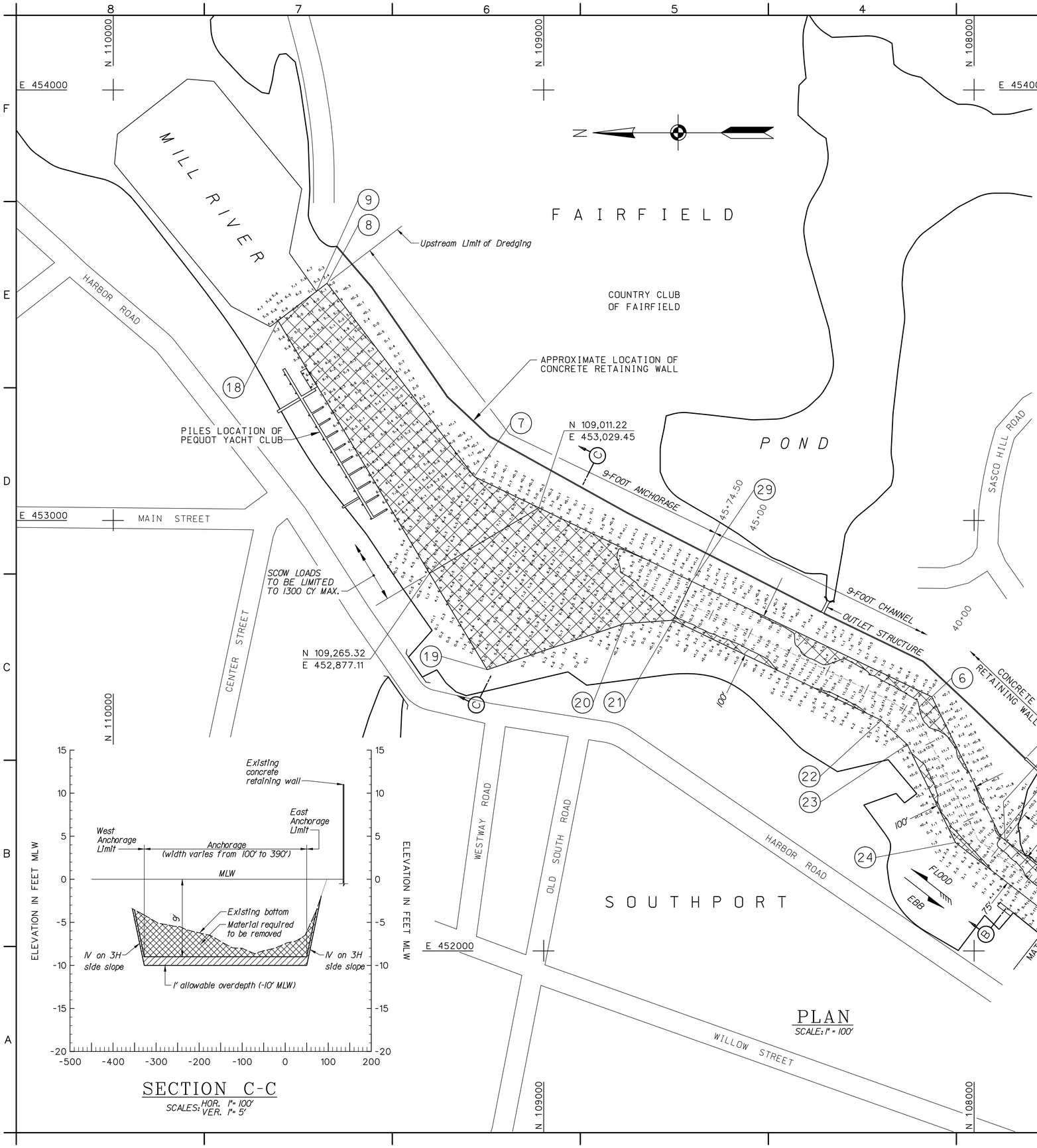
Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

Surveyed By: Robert W. MacGovern, Hydrographic Crew Chief
Plotted By: Stephen W. Kelley
Maureen T. Murray /s/ Asst. Chief, Survey Section
Stephen A. Johnston /s/ Chief, Survey Section
Date: 8/12/04 Rev.
Design file:
Drawing code: S1-570
File name: SPHV101.S01
Plot date: 8/12/04
Plot scale: 1" = 100'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

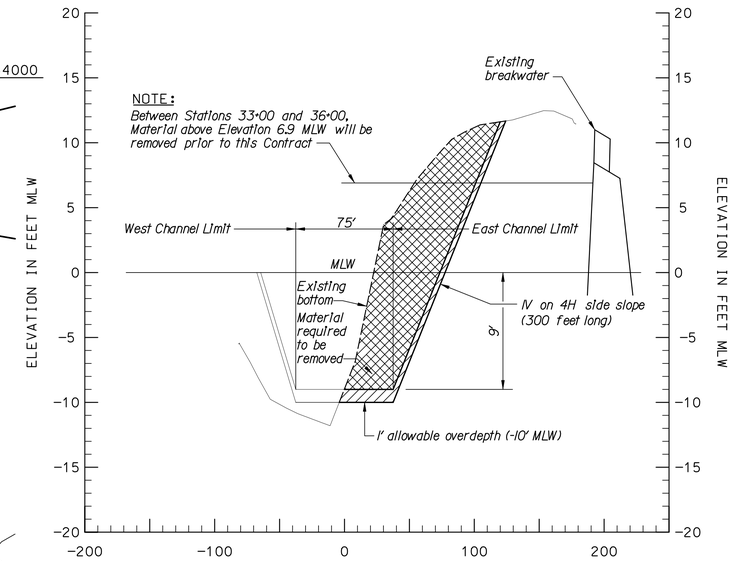
WATER RESOURCES DEVELOPMENT PROJECT
MAINTENANCE DREDGING
9-FOOT CHANNEL AND ANCHORAGE
SOUTHPORT HARBOR
FAIRFIELD, CONNECTICUT
PLAN, SECTION, LEGEND, GENERAL NOTES, INDEX TO DRAWINGS AND NAVIGATION AIDS

Reference number:
C-1
Sheet 2 of 3



PLAN

SCALE: 1" = 100'



SECTION B-B

SCALES: HOR. 1" = 50'
VER. 1" = 5'

SECTION C-C

SCALES: HOR. 1" = 100'
VER. 1" = 5'

NOTE:

For General Notes, see sheet 2 of 3

GRAPHIC SCALES:

1" = 5' 5 0 5 10

1" = 50' 50 0 50 100

1" = 100' 100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

Surveyed By: Robert W. MacGovern Hydrographic Crew
Processed By: Stephen W. Kelley
Maureen T. Murray /s/ Asst. Chief, Survey Section
Stephen A. Johnston /s/ Chief, Survey Section

Date: 8/12/04 Rev.
Design file:
Drawing code: S1-570
File name: SPHV02.S02
Plot date: 8/12/04
Plot scale: 1" = 100'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

WATER RESOURCES DEVELOPMENT PROJECT
MAINTENANCE DREDGING
9-FOOT CHANNEL AND ANCHORAGE
SOUTHPORT HARBOR
FAIRFIELD, CONNECTICUT

PLAN AND SECTIONS

Reference number:

C-2

Sheet 3 of 3