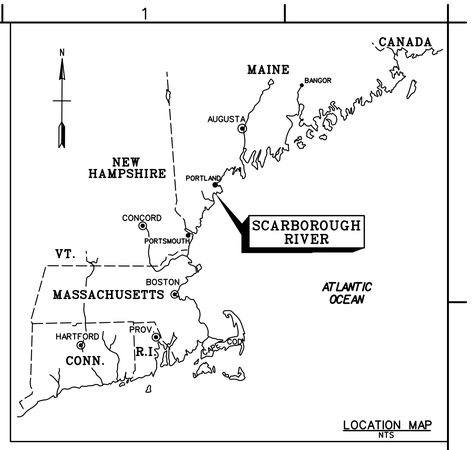


US Army Corps
of Engineers
New England District

MAINTENANCE DREDGING
8-FOOT AND 6-FOOT CHANNELS
6-FOOT ANCHORAGE
SCARBOROUGH RIVER

SCARBOROUGH
MAINE

VALUE ENGINEERING PAYS DIVIDENDS

SAFETY PAYS

SOLICITATION # W912WJ-04-B-0014

SEE SPECIFICATIONS FOR DRAWING SIGNATURES

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.

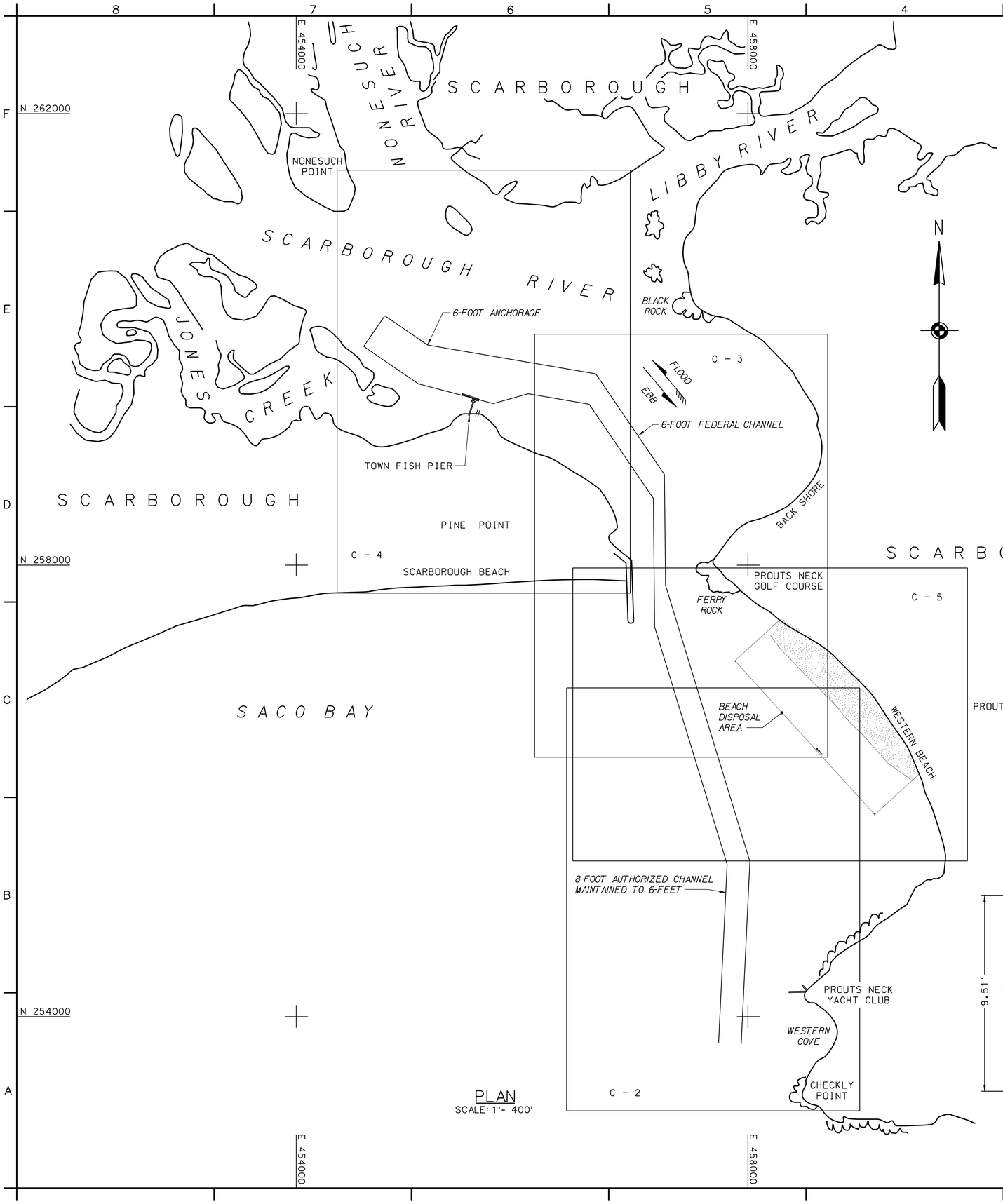
APPROVED FUNCTIONAL ADEQUACY
ROBERT MEADER /s/ DATE:
TECHNICAL LEAD ENGINEER
REVIEWED BY:
ANTHONY T. MACKOS, P.E. /s/ DATE:
CHIEF, DESIGN BRANCH
REVIEWED BY:
CH, HTRW/GEOTECH ENGRG BR DATE:

RECOMMENDED BY:
H. FARRELL MCMILLAN, P.E. /s/ DATE:
DEPUTY CHIEF, E/P DIV
APPROVED BY:
DAVID L. DULONG, P.E. /s/ 9/16/04
CHIEF, ENGRG/PLANNING DIV DATE:

MAINTENANCE DREDGING
8-FOOT AND 6-FOOT CHANNELS
6-FOOT ANCHORAGE
SCARBOROUGH RIVER
SCARBOROUGH, MAINE

COVER SHEET

Reference number:
G-1



PLAN
SCALE: 1" = 400'

LEGEND

DESCRIPTION	SYMBOL
6-FOOT DEPTH CONTOUR	
MATERIAL REQUIRED TO BE DREDGED SHOWN THUS	
ALLOWABLE OVERDEPTH SHOWN THUS (7-FOOT DEPTH) (CROSS SECTION ONLY)	
NAVIGATION AIDS	

INDEX OF NAVIGATION AIDS

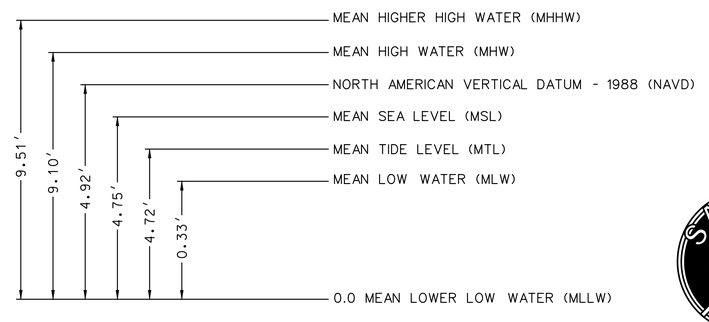
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-1	03/03/04	N 254297.34 E 457964.18	43° - 31′ - 51.4″N 70° - 19′ - 30.6″W
RN-2SR	03/03/04	N 254807.93 E 458267.02	43° - 31′ - 56.4″N 70° - 19′ - 26.5″W
GC-3	03/03/04	N 255308.22 E 457845.58	43° - 32′ - 01.4″N 70° - 19′ - 32.2″W
RN-4	03/03/04	N 256030.74 E 457863.61	43° - 32′ - 08.5″N 70° - 19′ - 32.0″W
GC-5	03/03/04	N 256903.85 E 457377.17	43° - 32′ - 17.1″N 70° - 19′ - 38.6″W
GC-7	03/03/04	N 258768.89 E 457186.59	43° - 32′ - 35.5″N 70° - 19′ - 41.3″W
RN-8	03/03/04	N 258156.61 E 457298.18	43° - 32′ - 29.5″N 70° - 19′ - 39.8″W
RN-10	03/03/04	N 259494.20 E 456665.88	43° - 32′ - 42.7″N 70° - 19′ - 48.4″W

INDEX TO DRAWINGS

SHEET NO.		DRAWING NO.	TITLE
1	G-1	2589	COVER SHEET
2	C-1	2589	KEY PLAN, TIDAL DATUM, LEGEND AND INDEX TO DRAWINGS & NAVIGATION AIDS
3	C-2	2589	SITE PLAN AND SECTION, STA. 0+00 TO 30+12
4	C-3	2589	SITE PLAN AND SECTION, STA. 30+12 TO 60+30
5	C-4	2589	SITE PLAN AND SECTION, STA. 60+30 TO 81+30
6	C-5	2589	DISPOSAL LOCATION AND SECTIONS

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. 13287. 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. 8445 A (2002) is a primary NOS disk, stamped "No. 8445 A 2002", set in the concrete foundation for a drain located between the Harbor Master's Office, and the Pine Point Fisherman's Co-op, 26.9 feet (8.20 m) east of the northeast corner of the Harbor Master's Office, 18.0 feet (5.49 m) southwest of the entrance to the Town Pier, and 11.2 feet (3.42 m) west of the west entrance to the co-op. Elevation is 14.39 feet above MLLW.
4. Coordinates shown are based on the Transverse Mercator Grid System for the State of Maine (West Zone) & NAD 1927.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during March 2004.
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 4410
Depthsounder Rolls: 04-703/01-04



TIDAL DATUM PLANES
(Based upon National Ocean Survey tidal datums of Pine Point, Scarborough River, Maine 1983-2001 Tidal Epoch)

GRAPHIC SCALE:
1" = 400'
400 0 400 800

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

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

Surveyed By: Paul O'Brien, Hydrographic Crew
Drawn By: Stephen W. Kelley
Maureen Murray, Asst. Chief, Survey Section
Stephen A. Johnston, Chief, Survey Section

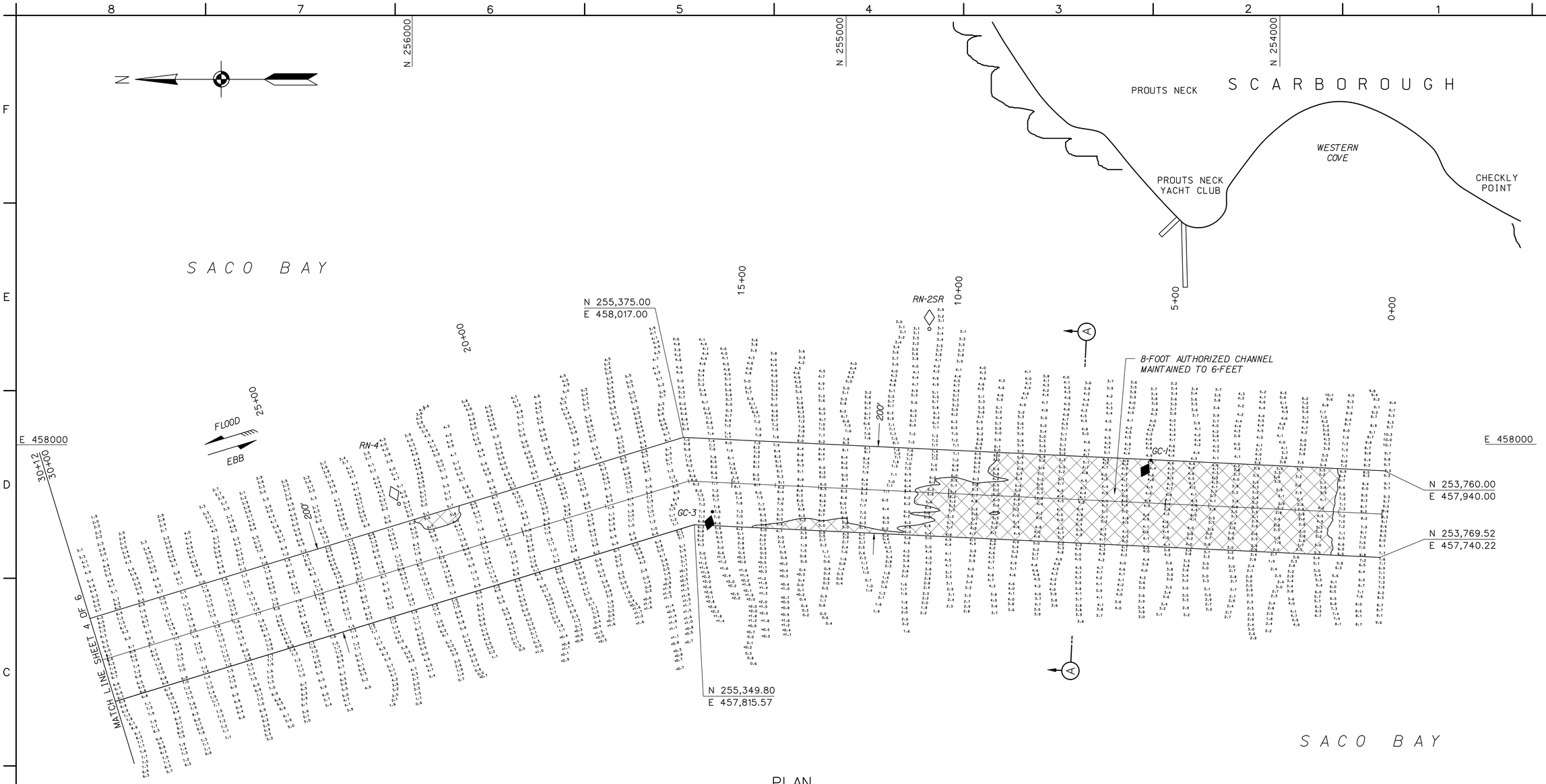
Date: 16 Sep 2004
Design file:
Drawing code: 2589
File name: SCAV1501
Plot date: 09/17/04
Plot scale: 1"=400'
Rev.

MAINTENANCE DREDGING
8-FOOT AND 6-FOOT CHANNELS
6-FOOT ANCHORAGE
SCARBOROUGH RIVER
SCARBOROUGH, MAINE

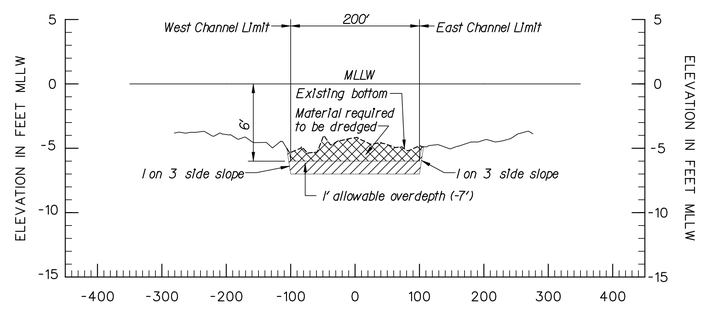
KEY PLAN, TIDAL DATUM, LEGEND AND INDEX TO DRAWINGS & NAVIGATION AIDS

SAFETY PAYS

Reference number:
C-1
Sheet 2 of 6



PLAN
SCALE: 1"= 100'



SECTION A-A
SCALE: HOR.: 1"= 100' VER.: 1"= 5'

NOTE:
For General Notes see sheet 2 of 6

GRAPHIC SCALES:
1" = 5'
1" = 100'

US Army Corps of Engineers
New England District

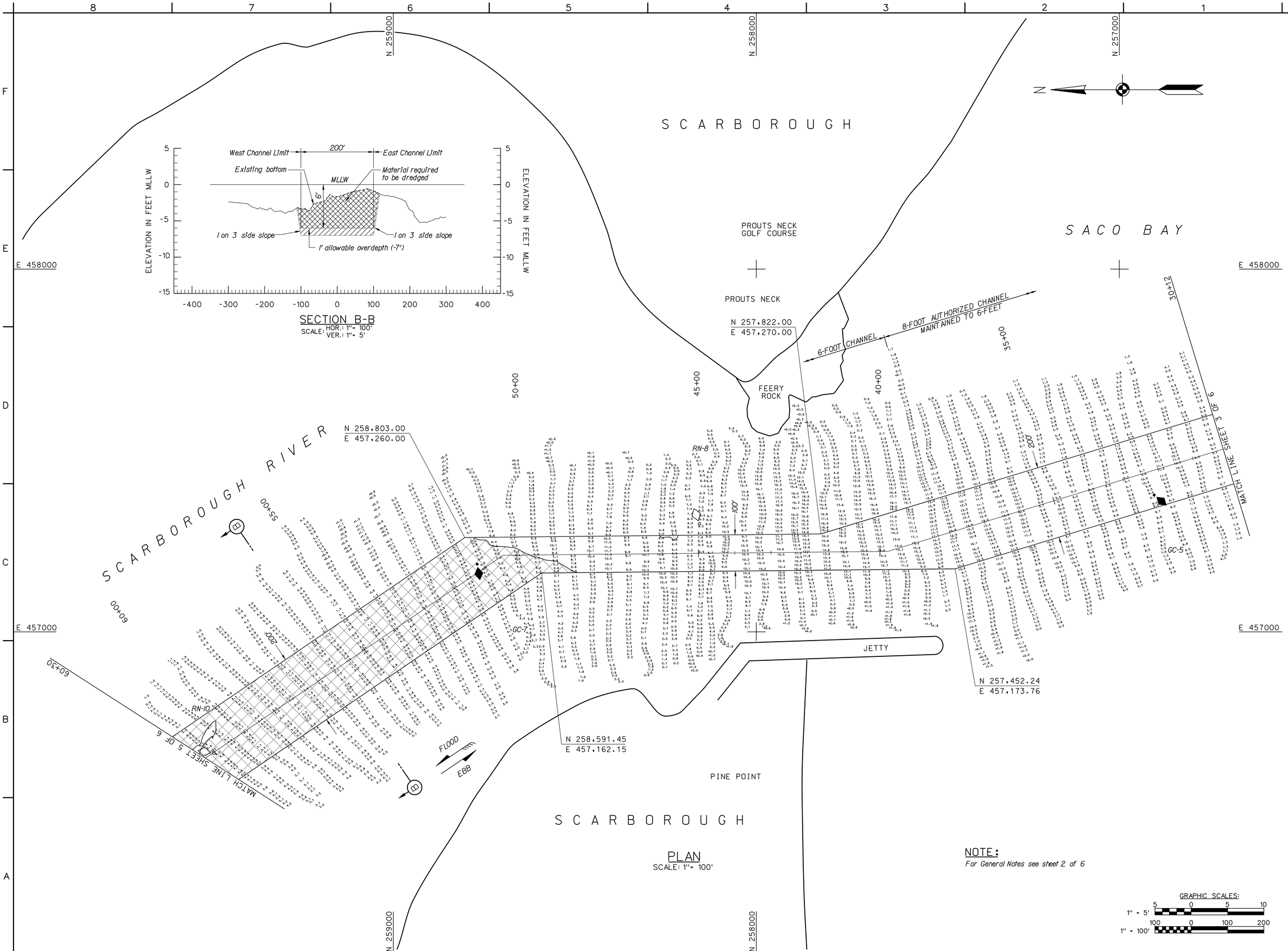
Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

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

Surveyed By: Paul K. O'Brien, Hydrographic Crew
Drawn By: Stephen W. Kelley
Maureen Murray, Asst. Chief, Survey Section
Stephen A. Johnston, Chief, Survey Section
Date: 16 Sep 2004
Design file:
Drawing code: 2589
File name: SACV102.S02
Plot date: 09/17/04
Plot scale: 1"=100'
Rev.

MAINTENANCE DREDGING
8-FOOT AND 6-FOOT CHANNELS
6-FOOT ANCHORAGE
SCARBOROUGH RIVER
SCARBOROUGH, MAINE
SITE PLAN AND SECTION
STA. 0+00 TO 30+12

Reference number:
C-2
Sheet 3 of 6



NOTE:
For General Notes see sheet 2 of 6

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

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

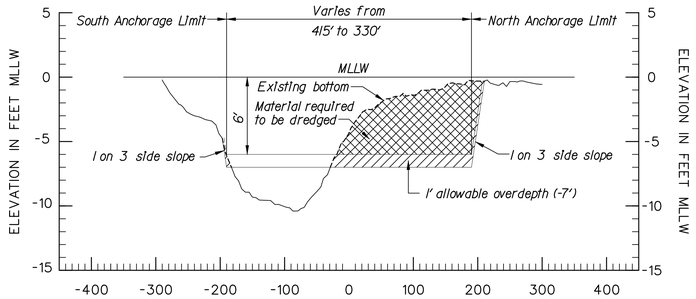
Surveyed By: Paul K. O'Brien, Hydrographic Crew
Drawn By: Stephen W. Kelley
Maureen Murray, Asst. Chief, Survey Section
Stephen A. Johnston, Chief, Survey Section

Date: 16 Sep 2004
Design file:
Drawing code: 2589
File name: SACV103.S03
Plot date: 09/17/04
Plot scale: 1"=100'
Rev.

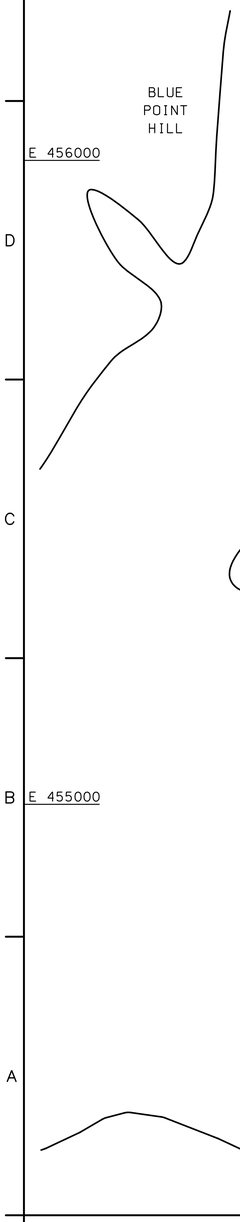
MAINTENANCE DREDGING
8-FOOT AND 6-FOOT CHANNELS
6-FOOT ANCHORAGE
SCARBOROUGH RIVER
SCARBOROUGH, MAINE

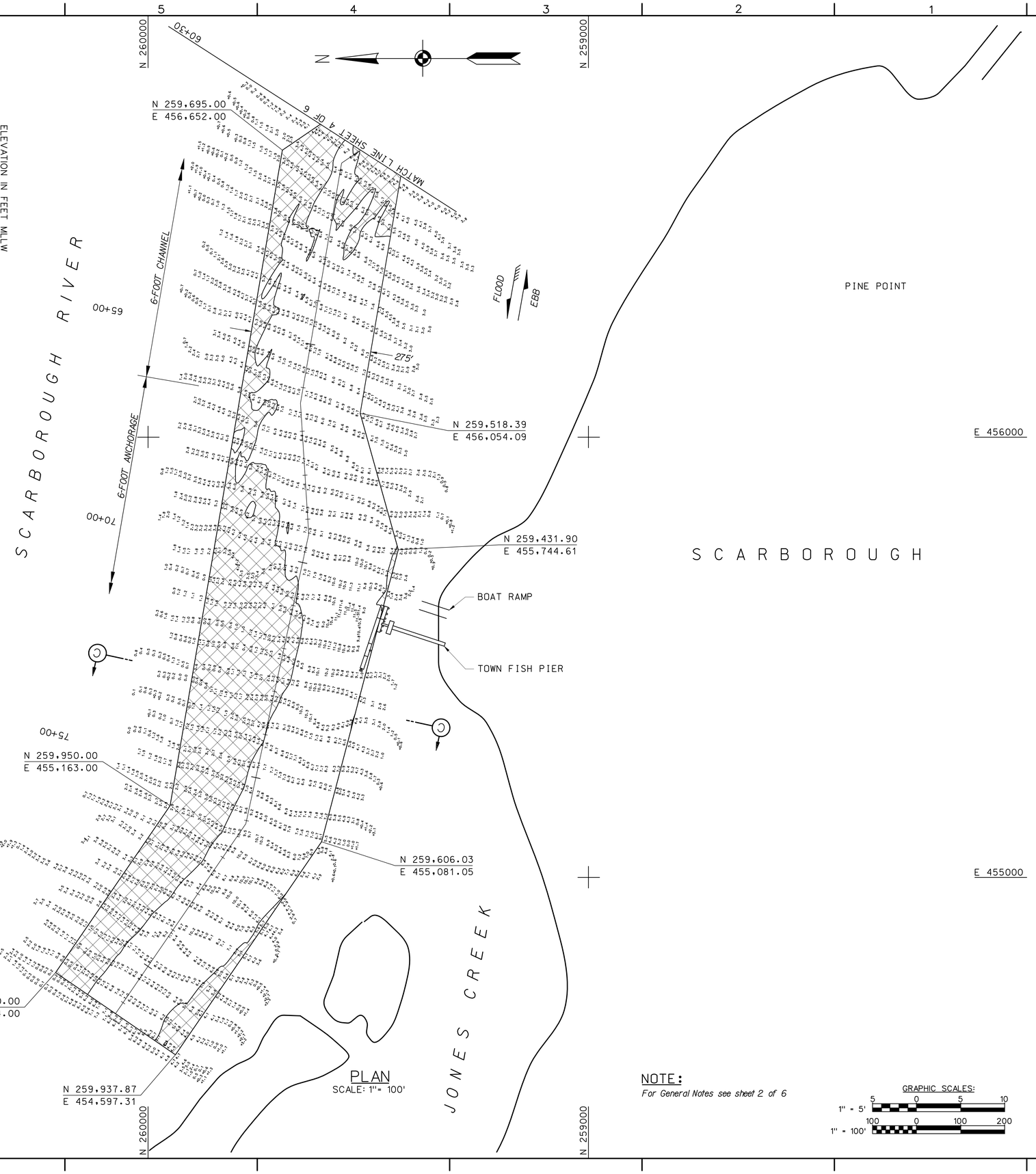
SITE PLAN SECTION
STA. 30+12 TO 60+30

Reference number:
C-3
Sheet 4 of 6



SECTION C-C
SCALE: HOR.: 1" = 100'
VER.: 1" = 5'





PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see sheet 2 of 6

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

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

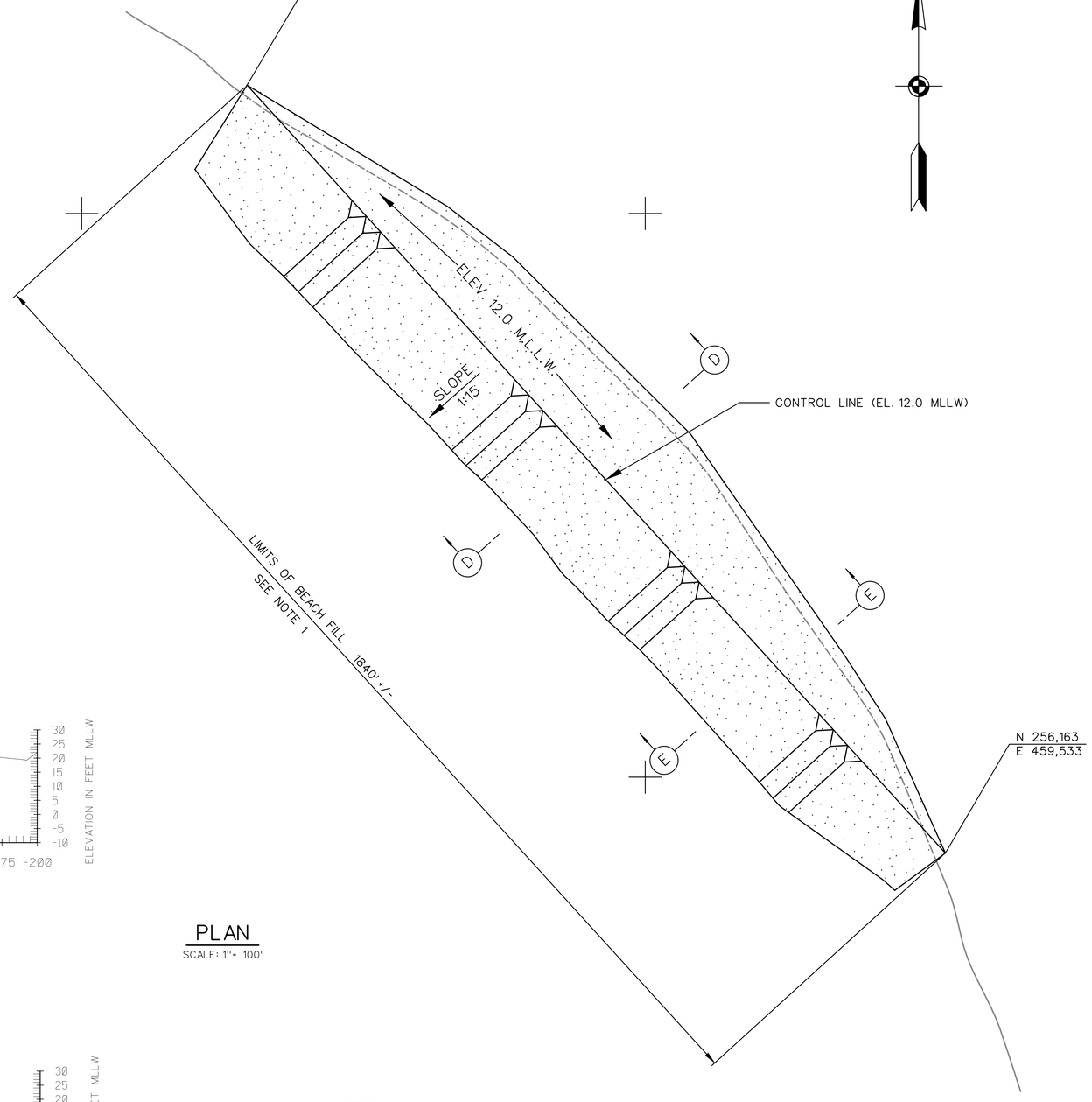
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: Paul O'Brien, Hydrographic Crew
Drawn By: Stephen W. Kelley
Maureen Murray, Asst. Chief, Survey Section
Stephen A. Johnston, Chief, Survey Section

Date: 16 Sep 2004
Rev.
Design file:
Drawing code: 2589
File name: SACV04.504
Plot date: 09/17/04
Plot scale: 1"=100'

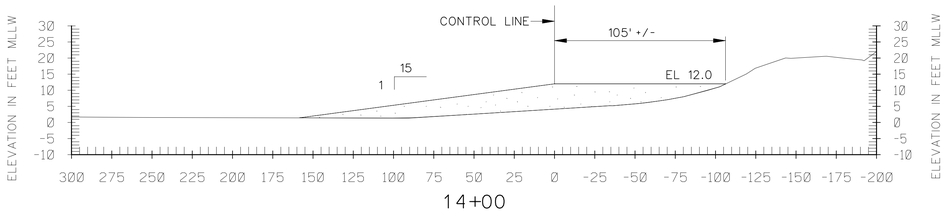
MAINTENANCE DREDGING
8-FOOT AND 6-FOOT CHANNELS
6-FOOT ANCHORAGE
SCARBOROUGH RIVER
SCARBOROUGH, MAINE
SITE PLAN AND SECTION
STA. 60+30 TO 81+30

Reference number:
C-4
Sheet 5 of 6



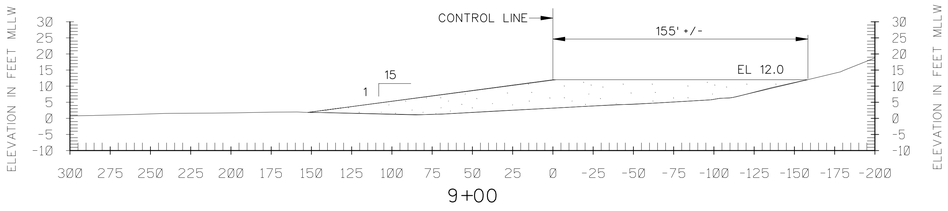
PLAN

SCALE: 1"= 100'



SECTION E

SCALE: HORIZ. 1" = 40' VERT. 1" = 20'



SECTION D

SCALE: HORIZ. 1" = 40' VERT. 1" = 20'

NOTE:

CONTRACTOR SHALL DISCHARGE DREDGED MATERIAL WITH ROUGH GRADING WITHIN THE LIMITS SHOWN. A TEMPORARY DIKE MAY BE FORMED USING AVAILABLE MATERIAL TO ASSIST WITH CONSTRUCTION.

GRAPHIC SCALES:

1" = 20' 20 0 20 40

1" = 40' 40 0 40 80

1" = 100' 100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

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

Designed By: Bob Meader
Drawn By: Bob Holt
ITR Review: 16 Sep 2004
Joseph Lamparo, Chief, Civil Section

Date: 16 Sep 2004
Rev.
Design file:
Drawing code: 2589
File name:
Plot date: 09/17/04
Plot scale: 1"=100'

MAINTENANCE DREDGING
8-FOOT AND 6-FOOT CHANNELS
6-FOOT ANCHORAGE
SCARBOROUGH RIVER
SCARBOROUGH, MAINE
DISPOSAL LOCATIONS AND SECTIONS

Reference number:
C-5
Sheet 6 of 6