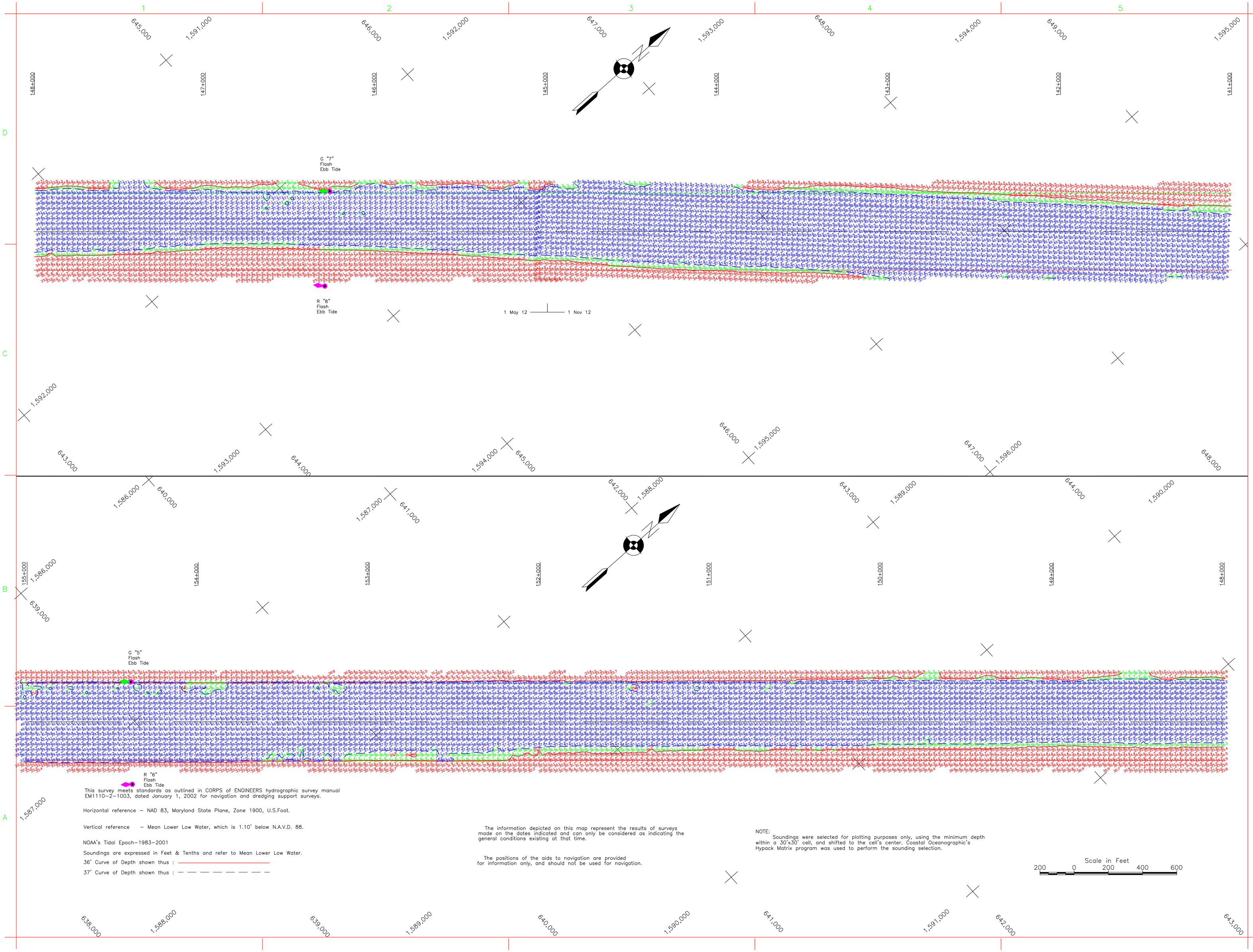


This survey meets standards as outlined in CORPS of ENGINEERS hydrographic survey manual EM1110-2-1003, dated January 1, 2002 for navigation and dredging support surveys.

Horizontal reference – NAD 83, Maryland State Plane, Zone 1900, U.S.Foot.

Vertical reference – Mean Lower Low Water, which is 1.10' below N.A.V.D. 88.

NOAA's Tidal Epoch-1983-2001

Soundings are expressed in Feet & Tenths and refer to Mean Lower Low Water.

36' Curve of Depth shown thus :

37' Curve of Depth shown thus :

The information depicted on this map represent the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

The positions of the aids to navigation are provided for information only, and should not be used for navigation.

NOTE:
Soundings were selected for plotting purposes only, using the minimum depth within a 30'x30' cell, and shifted to the cell's center. Coastal Oceanographic's Hypack Matrix program was used to perform the sounding selection.

Scale in Feet
200 0 200 400 600

US Army Corps of Engineers
Philadelphia District

Mark	Description	Date	Appr.

Designed by: | Date: | Rev.
Dwn by: | Ckd by: | IFB DACW31-
Reviewed by: | Drawing code:
Submitted by: | File name: | Plot date: 3 Nov 12 | Plot scale: 1in to 200 ft
Chief, Arch. Branch

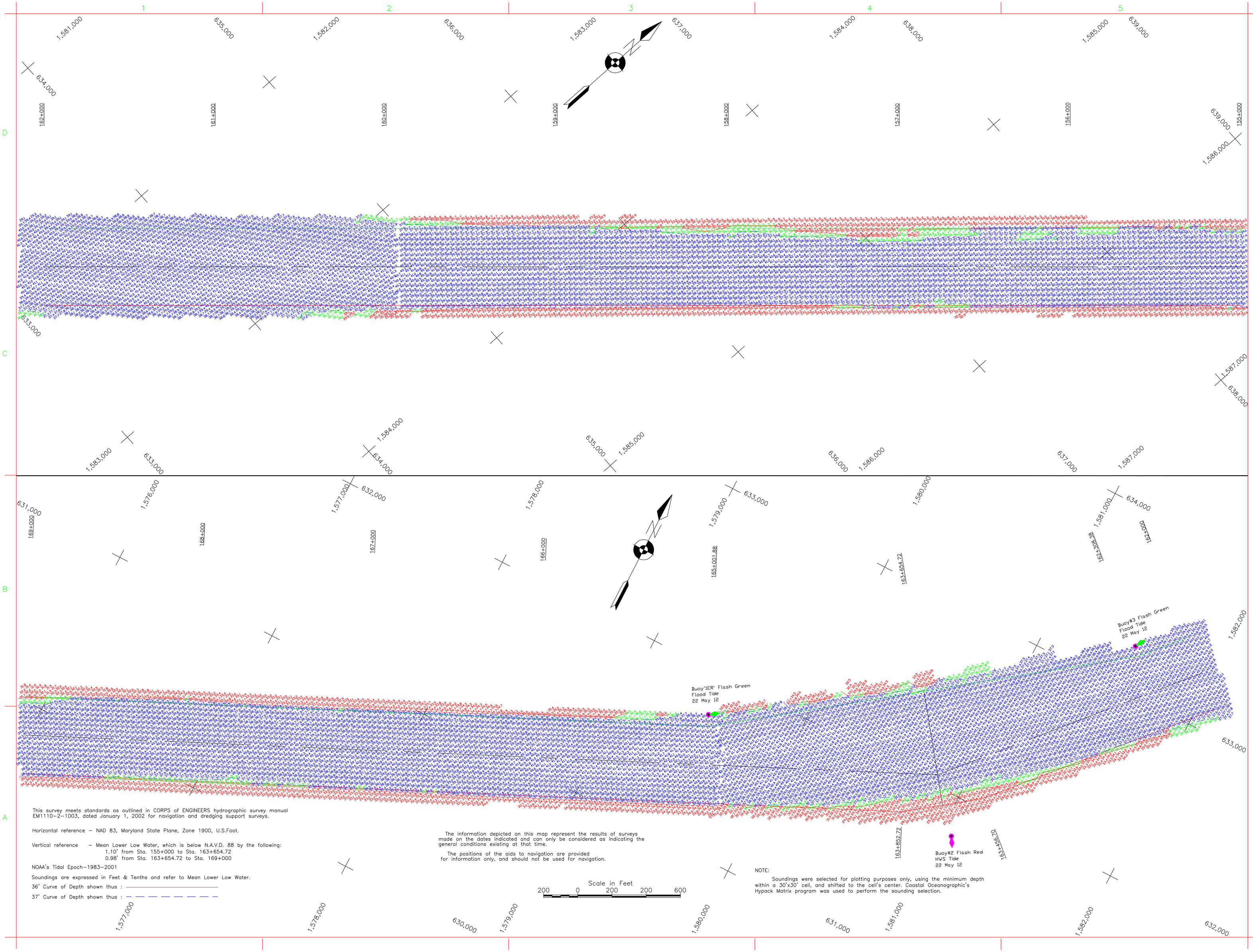
U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

TRACED BY J.A.Groch | PLOTTED BY W.Miller | DRAWING NO. 63596
SURVEYED BY C.Eischman | DATE SURVEYED As Shown | APPROVED

CHESAPEAKE & DELAWARE CANAL
CHESAPEAKE BAY APPROACH CHANNEL
EXAMINATION
GROVE NECK RANGE
STA.141+000 TO STA.155+000

Sheet reference number:

Sheet 5 of 12



This survey meets standards as outlined in CORPS of ENGINEERS hydrographic survey manual EM1110-2-1003, dated January 1, 2002 for navigation and dredging support surveys.

Horizontal reference – NAD 83, Maryland State Plane, Zone 1900, U.S.Foot.

Vertical reference – Mean Lower Low Water, which is below N.A.V.D. 88 by the following:
1.10' from Sta. 155+000 to Sta. 163+654.72
0.98' from Sta. 163+654.72 to Sta. 169+000

NOAA's Tidal Epoch-1983-2001

Soundings are expressed in Feet & Tenths and refer to Mean Lower Low Water.

36' Curve of Depth shown thus :

37' Curve of Depth shown thus :

The information depicted on this map represent the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

The positions of the aids to navigation are provided for information only, and should not be used for navigation.

Scale in Feet
200 0 200 200 600

NOTE:
Soundings were selected for plotting purposes only, using the minimum depth within a 30'x30' cell, and shifted to the cell's center. Coastal Oceanographic's Hypack Matrix program was used to perform the sounding selection.

US Army Corps of Engineers
Philadelphia District

Mark	Description	Date	Appr.
Mark	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

TRACED BY J.A.Grach
PLOTTED BY M.Gaughan
SURVEYED BY J.Gray
DATE SURVEYED 22 May 12
DRAWING NO. 63372
Chief, Surv. Branch

Designed by:
Dwn by:
Ckd by:
Reviewed by:
Submitted by:
Chief, Arch. Branch
Date:
Rev.
IFB DACW61-
Drawing code:
File name:
Plot date: 06/06/2012
Plot scale: 1in to 200 ft

CHESAPEAKE & DELAWARE CANAL
CHESAPEAKE BAY APPROACH CHANNEL
EXAMINATION
GROVE NECK AND HOWELL PT. RANGES
STA.155+000 TO STA.169+000

Sheet reference number:

Sheet 6 of 12