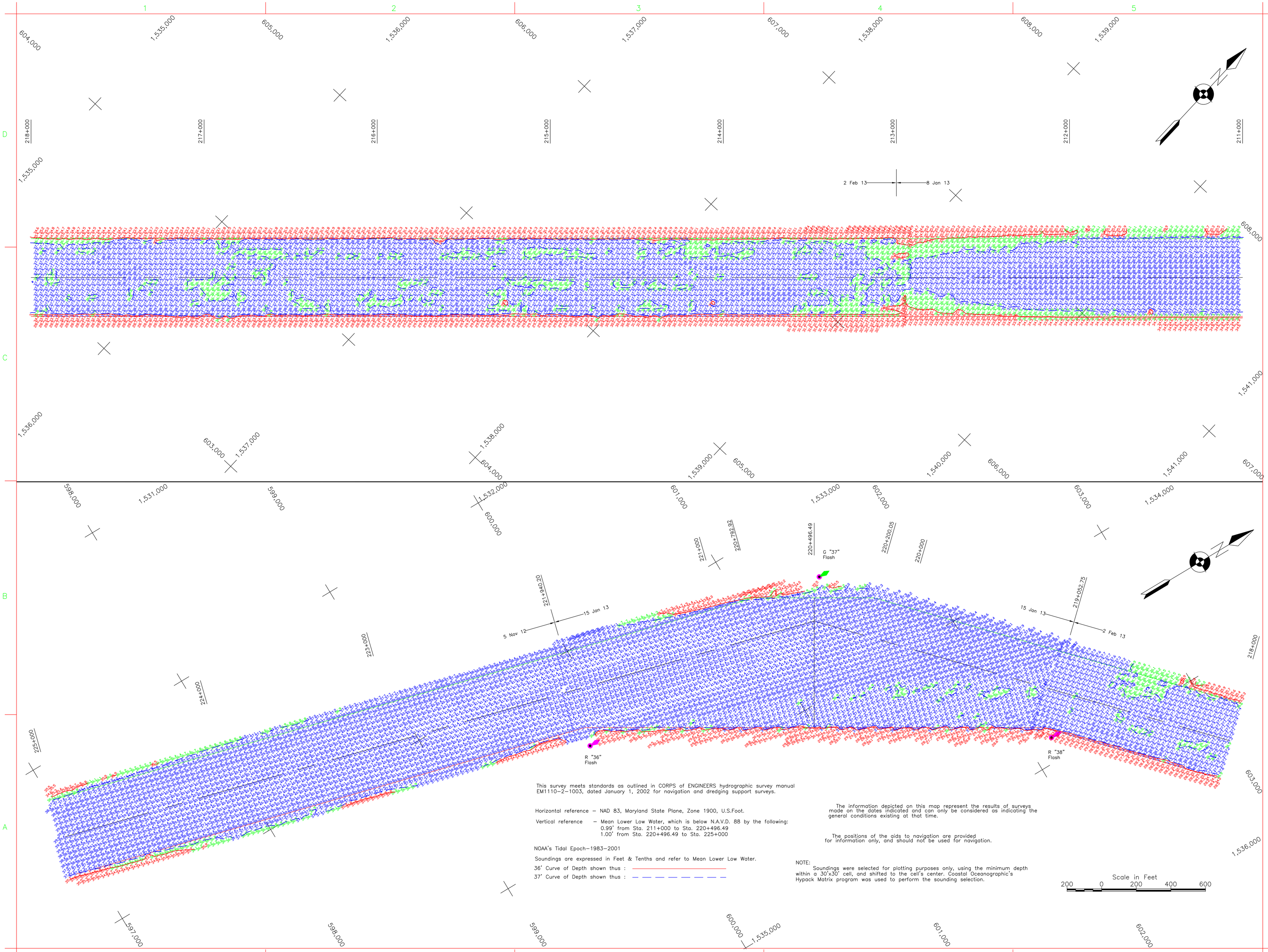


This survey meets standards as outlined in CORPS of ENGINEERS hydrographic survey manual EM1110-2-1003, dated January 1, 2002 for navigation and dredging support surveys.

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:
0.99' from Sta. 211+000 to Sta. 220+496.49
1.00' from Sta. 220+496.49 to Sta. 225+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.

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.

Rev.	Date:	Designed by:	
	IFB DACW61-	Dwn by:	Ckd by:
	Drawing code:	Reviewed by:	
	File name:	Submitted by:	
	Plot date: 12 Feb 13	Chief, Arch. Branch	
	Plot scale: 1in to 200 ft		

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

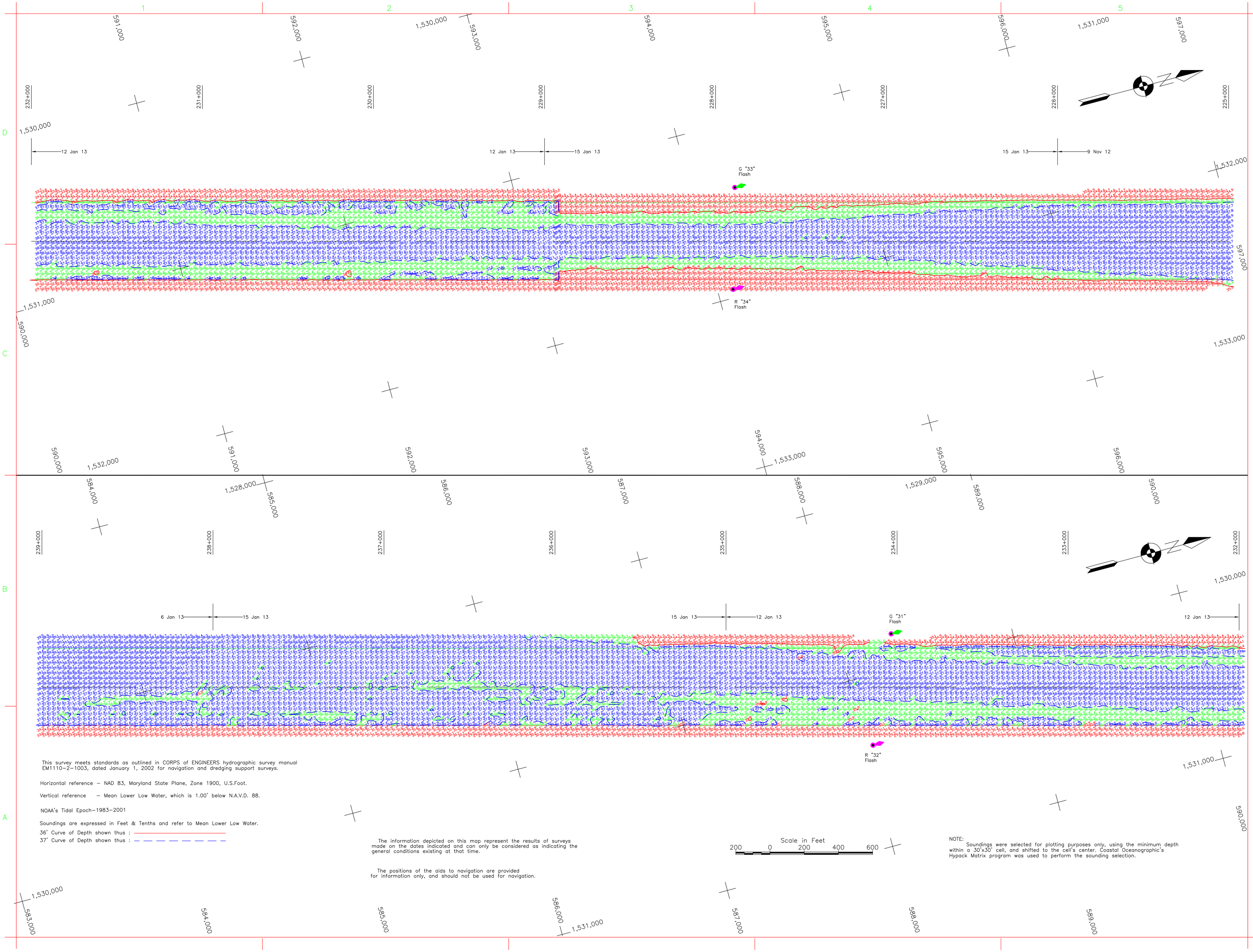
TRACED BY	PLOTTED BY	DRAWING NO.
J.A.Groch	W.Miller	
SURVEYED BY	DATE SURVEYED	APPROVED
C.Etschman	As Shown	

CHESAPEAKE & DELAWARE CANAL
CHESAPEAKE BAY APPROACH CHANNEL

EXAMINATION
POOLES ISLAND NORTH RANGE
AND
UPPER CHESAPEAKE RANGE
STA.211+000 TO STA.225+000

Sheet reference number:

Sheet 10 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 1.00' 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.

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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.

Designed by: | Date: | Rev.
Dwn by: | Ckd by: | IFB DACW31-
Reviewed by: | Drawing code:
Submitted by: | File name:
Chief, Arch. Branch | Plot date: 29 Jan 13
Plot scale: 1in to 200 ft

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

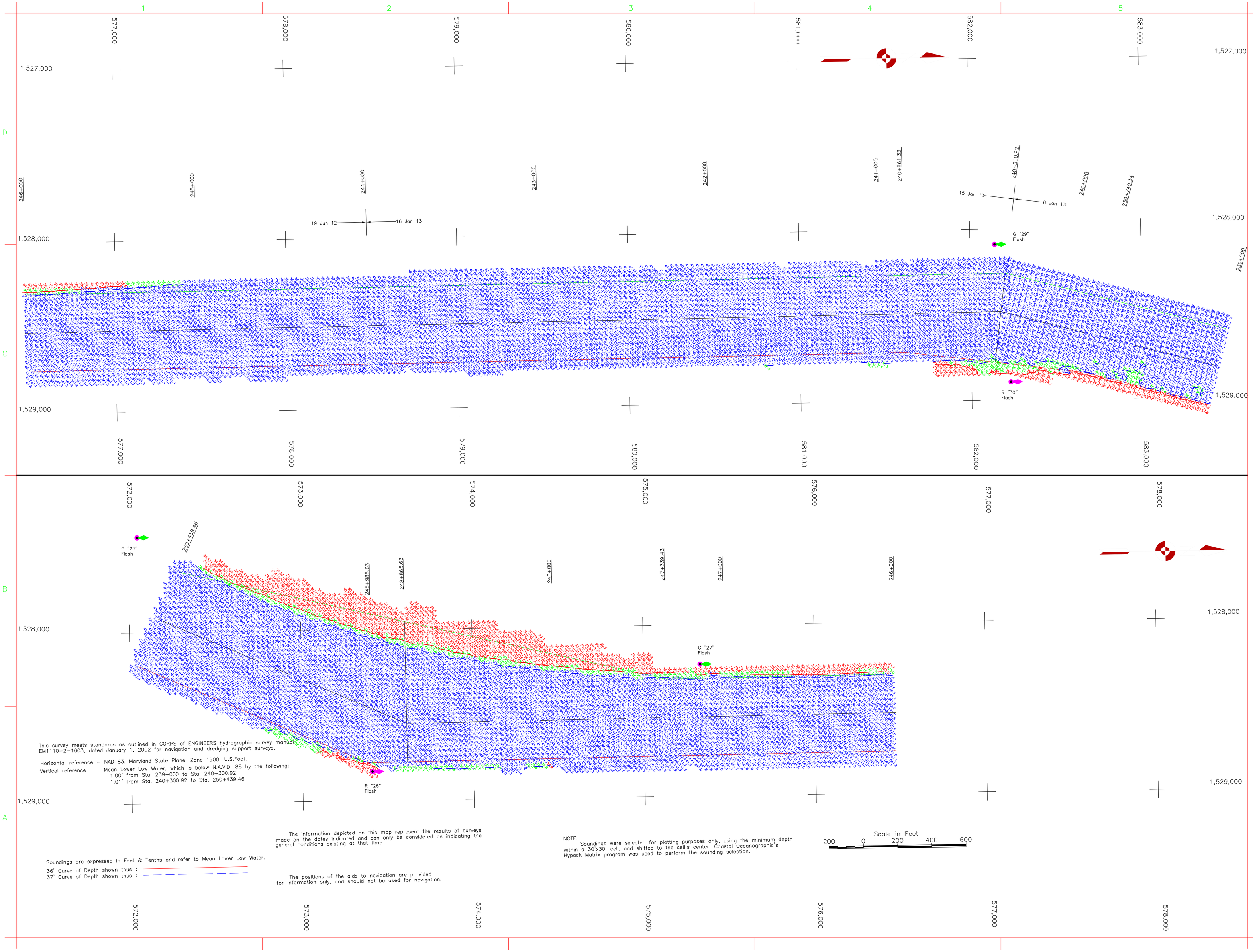
TRACED BY	PLOTTED BY	DRAWING NO.
J.A.Groch	W.Miller	
SURVEYED BY	DATE SURVEYED	APPROVED
C.Eischman	As Shown	

CHESAPEAKE AND DELAWARE CANAL
CHESAPEAKE BAY APPROACH CHANNEL
EXAMINATION

UPPER CHESAPEAKE RANGE
STA.225+000 TO STA.239+000

Sheet reference number:

Sheet 11 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:
1.00' from Sta. 239+000 to Sta. 240+300.92
1.01' from Sta. 240+300.92 to Sta. 250+439.46

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.

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

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

US Army Corps of Engineers
Philadelphia District

Mark	Description	Date	Appr.

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

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

Designed by: | Date: | Rev.
Dwn by: | Ckd by: | IFB DACW61-
Reviewed by: | Drawing code:
Submitted by: | File name: | Plot date: 29 Jan 13 | Plot scale: 1in to 200 ft
Chief, Arch. Branch

CHESAPEAKE & DELAWARE CANAL
CHESAPEAKE BAY APPROACH CHANNEL
EXAMINATION
UPPER CHESAPEAKE RANGE
AND
LOWER CHESAPEAKE RANGE
STA.239+000 TO STA.250+439.46

Sheet reference number:

Sheet 12 of 12