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, New Jersey State Plane, Zone 2900, U.S.Foot.

Vertical reference – Mean Lower Low Water, which is 3.83' below N.A.V.D. 88.

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

25' Curve of Depth shown thus :

NOAA's Tidal Epoch-1983-2001

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 0 200 400 600

US Army Corps of Engineers
Philadelphia District

Mark	Description	Date	Appr.

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

TRACED BY	PLOTTED BY	DRAWING NO.
J.A.Groch	M.Gaughan	64424
SURVEYED BY	DATE SURVEYED	APPROVED
J.McDonald	21 May 14	

Designed by: | Date: | Rev.
Dwn by: | Ckd by: | IFB DACW61-
Reviewed by: | Drawing code:
Submitted by: | File name:
Chief, Arch. Branch | Plot date: 06/04/2014
Plot scale: 1in to 200 ft

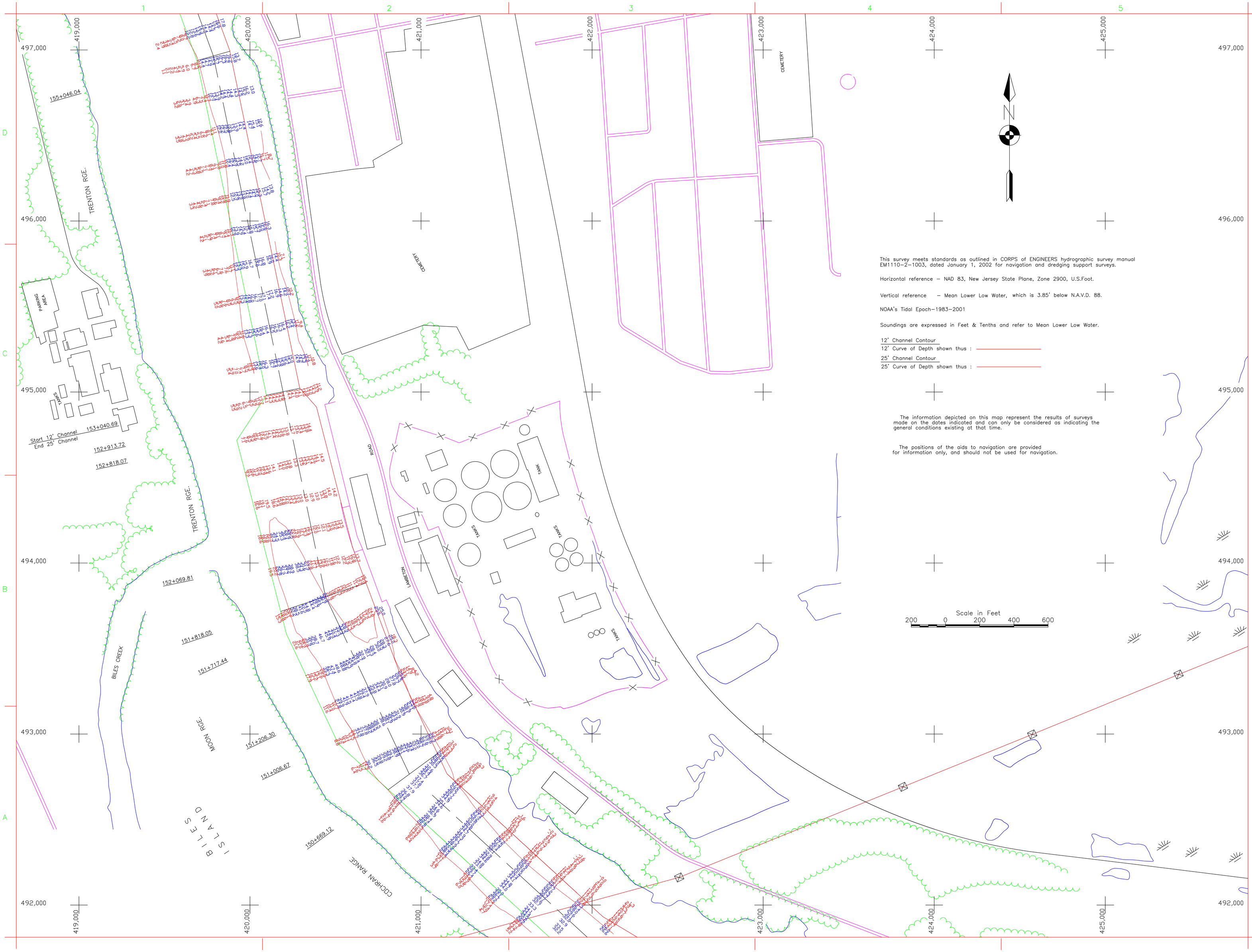
DELAWARE RIVER
PHILADELPHIA, PA TO TRENTON, NJ

EXAMINATION

STA.143+000 TO STA.150+669.12

Sheet reference number:

Sheet 23 of 25



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, New Jersey State Plane, Zone 2900, U.S.Foot.

Vertical reference – Mean Lower Low Water, which is 3.85' 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.

12' Channel Contour
12' Curve of Depth shown thus :

25' Channel Contour
25' Curve of Depth shown thus :

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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 M.Gaughan	DRAWING NO. 64425	
SURVEYED BY J.McDonald	DATE SURVEYED 21 May 14	APPROVED	

Designed by: | Date: | Rev.
Dwn by: | Ckd by: | IFB DACW61–
Reviewed by: | Drawing code:
Submitted by: | File name: | Plot date: 06/04/2014 | Plot scale: 1in to 200 ft
Chief, Arch. Branch

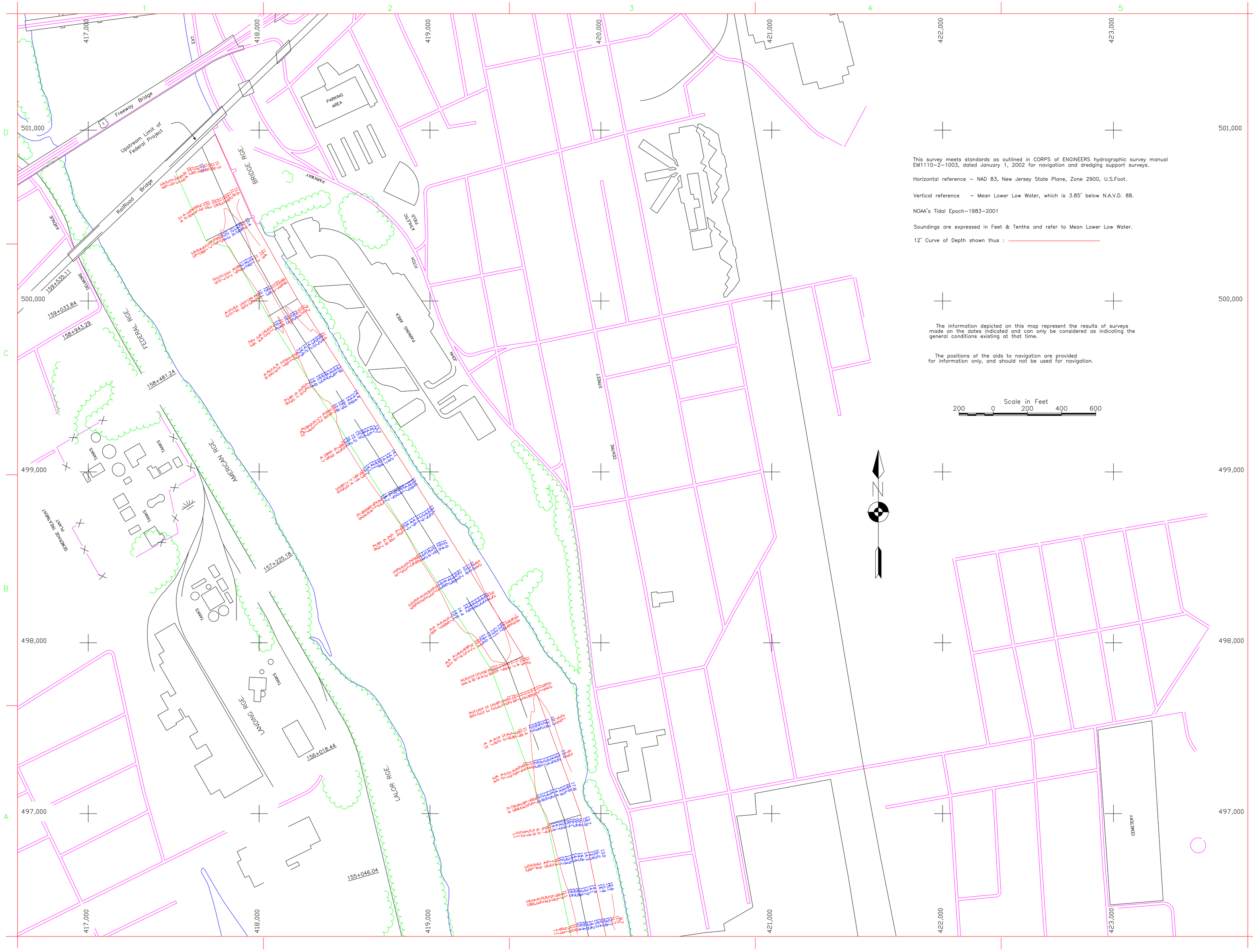
DELAWARE RIVER
PHILADELPHIA, PA TO TRENTON, NJ

EXAMINATION

STA.150+669.12 TO STA.155+046.04

Sheet reference number:

Sheet 24 of 25



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, New Jersey State Plane, Zone 2900, U.S.Foot.

Vertical reference – Mean Lower Low Water, which is 3.85' 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.

12' 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 0 200 400 600

US Army Corps of Engineers
Philadelphia District

Mark	Description	Date	Appr.

Designed by:		Date:	Rev.
Dwn by:	Ckd by:	IFB DACW61–	
Reviewed by:		Drawing code:	
Submitted by:		File name:	
Chief, Arch. Branch		Plot date: 06/04/2014	
		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	M.Gaughan	64426
SURVEYED BY	DATE SURVEYED	APPROVED
J.McDonald	21 May 14	CHIEF, SURVEY BRANCH

DELAWARE RIVER
PHILADELPHIA, PA TO TRENTON, NJ

EXAMINATION

STA.155+046.04 TO STA.159+535.11

Sheet reference number:

Sheet 25 of 25