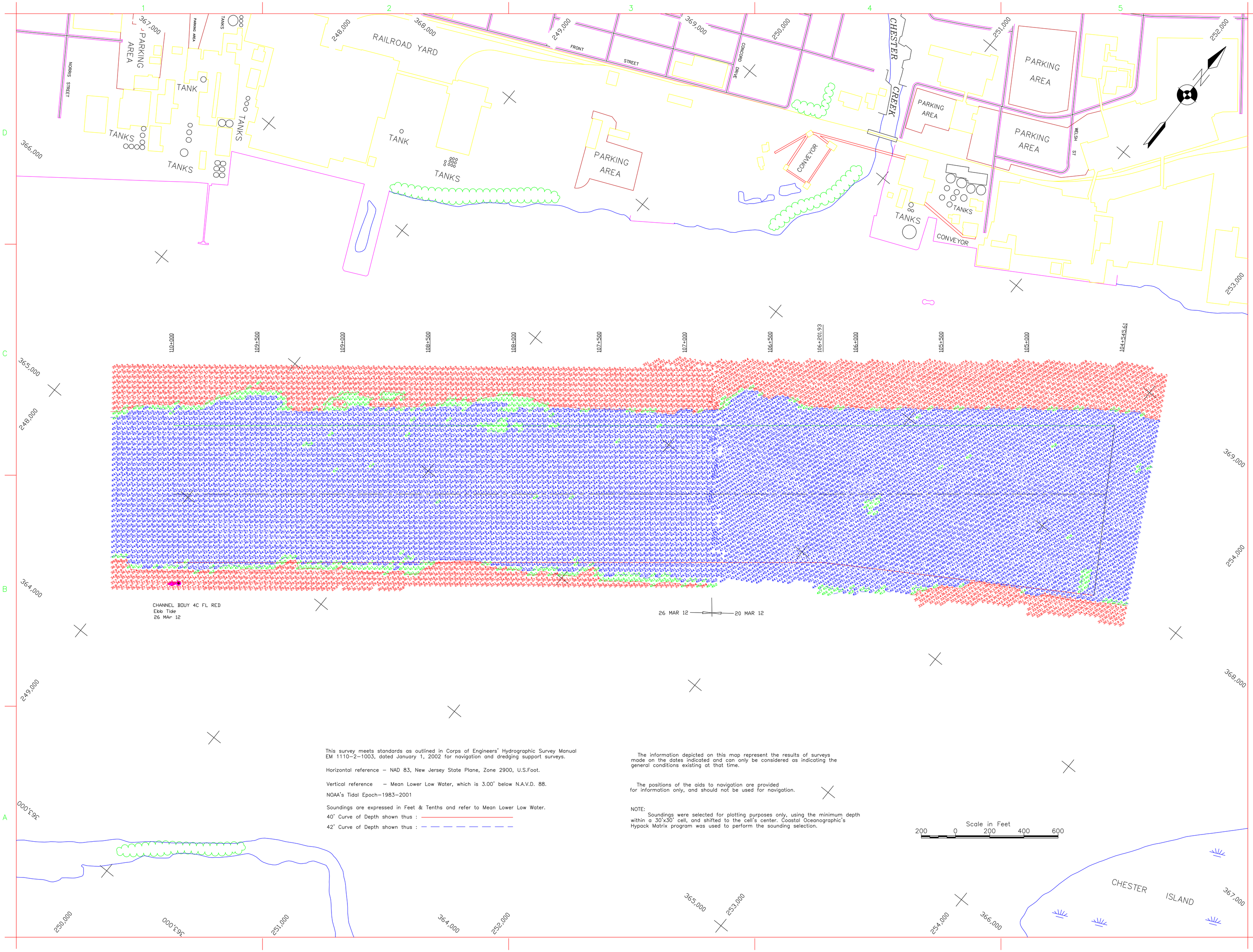


This survey meets standards as outlined in Corps of Engineers' Hydrographic Survey Manual EM 1110-2-1003, dated January 1, 2002 for navigation and dredging support surveys.

Horizontal reference – NAD 83, New Jersey State Plane, Zone 2900, U.S.Foot.

Vertical reference – Mean Lower Low Water, which is 3.00' 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.

40' Curve of Depth shown thus :

42' 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.
Mark	Description	Date	Appr.

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

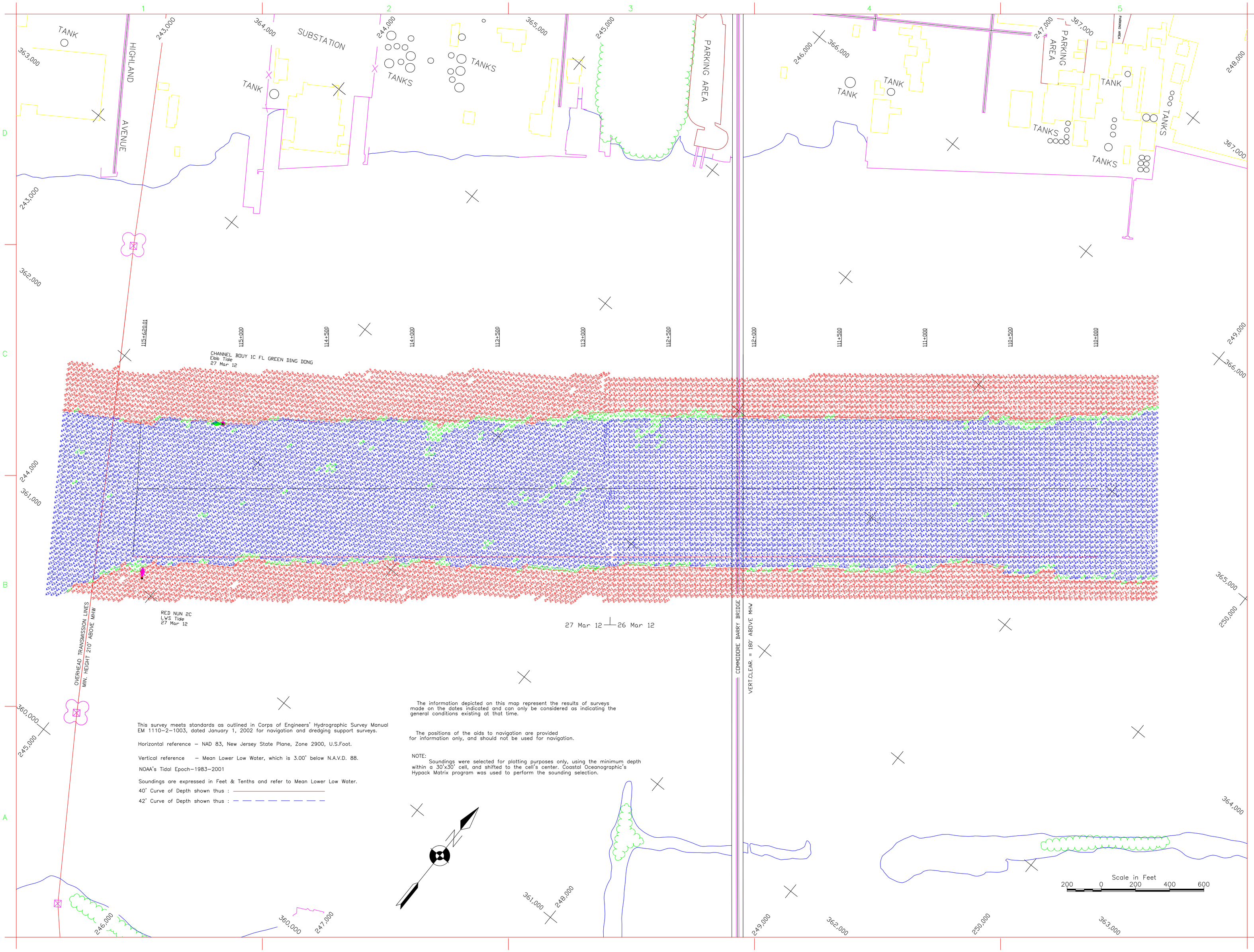
TRACED BY J.A.Groch	PLOTTED BY L.Alford	DRAWING NO. 6348	
SURVEYED BY G.Griffith	DATE SURVEYED As Shown	APPROVED Capt. Scott Tessier	

Designed by: | Date: | Rev.:
Dwn by: | Ckd by: | IFB W912BJ--
Reviewed by: | Drawing code:
Submitted by: | File name:
Chief, Arch. Branch | Plot date: 05/01/2012
Plot scale: 1in. to 200 ft.

DELAWARE RIVER
PHILADELPHIA TO THE SEA
CHESTER RANGE
EXAMINATION
STA.104+545.61 TO STA.110+000

Sheet reference number:

Sheet 1 of 2



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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

Designed by:
Dwn. by:
Ckd by:
Reviewed by:
Submitted by:
Chief, Arch. Branch
Date:
Rev.
FB: W912BU-
Drawing code:
File name:
Plot date: 05/14/2012
Plot scale: 1in is 200 ft

TRACED BY J.A.Grach
PLOTTED BY Lafford
DRAWING NO 63349
SURVEYED BY G.Griffith
DATE SURVEYED
APPROVED
CHIEF, DESIGN BRANCH
As Shown

DELAWARE RIVER
PHILADELPHIA TO THE SEA
CHESTER RANGE
EXAMINATION
STA.110+000 TO STA.115+620.01

Sheet reference number:

Sheet 2 of 2