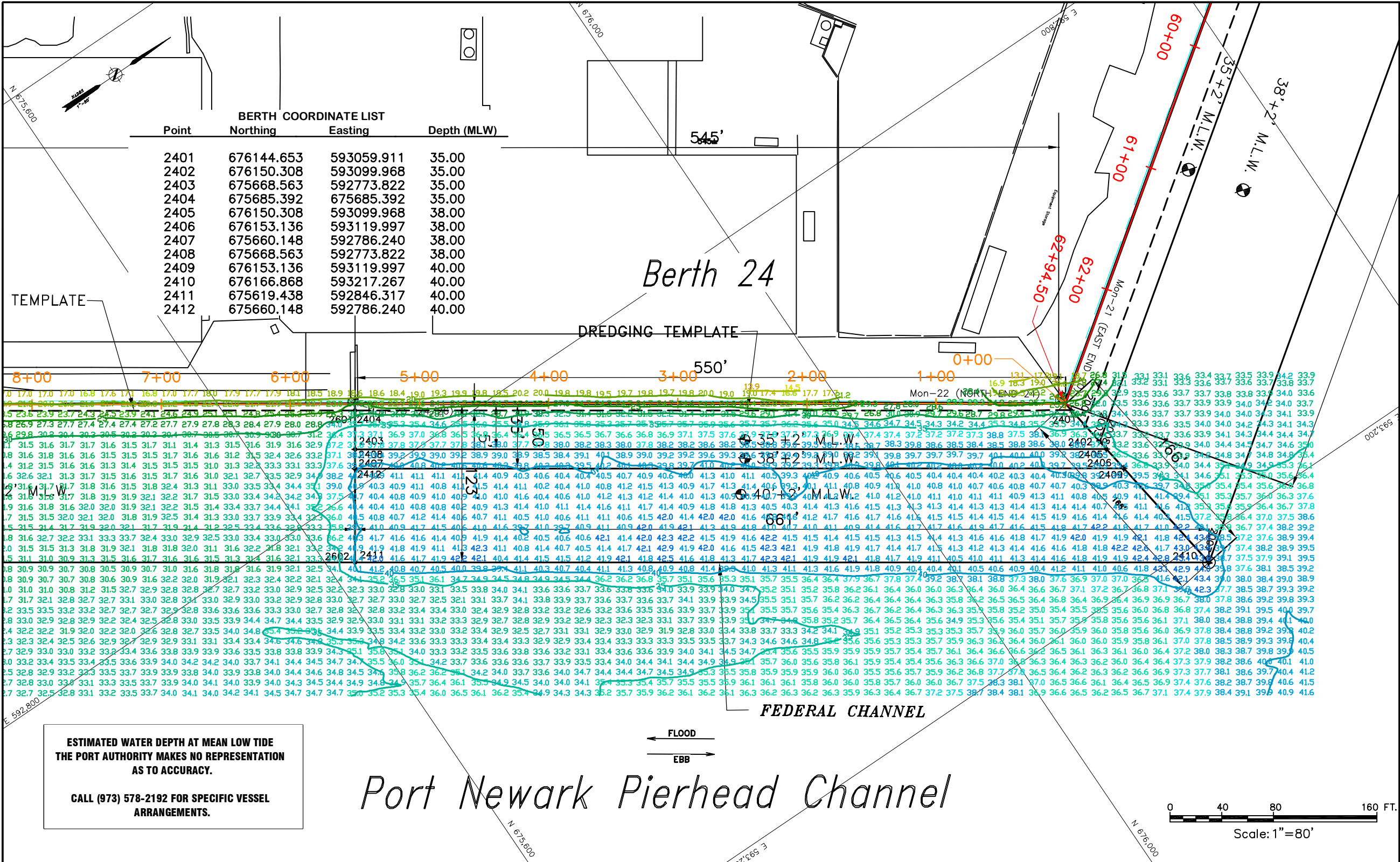




PREPARED FOR
**THE PORT AUTHORITY
OF NY & NJ**



ROGERS SURVEYING, LLC
1902 Michael Thomas
Rahway Island, N.J. 07065
(708) 442-5911
www.rogerssurveying.net

Title

**NEW JERSEY
MARINE
TERMINAL**

**HYDROGRAPHIC
SURVEY**

1 5/30/12 Dredge Template
No. Date Revision Approved

VERTICAL CONTROL
Mean Low Water = 2.3' Below 0.00 NGVD '29

HORIZONTAL CONTROL
ALL COORDINATES, BEARING AND
DISTANCES ARE REFERENCED TO THE
NEW JERSEY PLANE COORDINATE SYSTEM
(N.A.D. 83) AS SET FORTH IN
N.J.S.A. 51:3-7

This drawing subject to conditions in contract.
All inventions, ideas, designs and methods
herein are reserved to Port Authority and
may not be used without its written consent.

Rogers Surveying BW DWR
Surveyed by Drawn by Checked by

Date 12/10/12-01/17/13 Scale 1"= 80'
Contract Number 410-12-037 Drawing Number 24 of 60

BERTH 24

Volume Report

THE DATA USED FOR VOLUME CALCULATIONS IS REPRESENTATIVE OF A LARGER DATA SET.
SOUNDINGS USED FOR VOLUME CALCULATIONS ARE ON A 3'X3' GRID WITH THE DEPTH NEAREST
TO THE CENTER USED.

Design Depth	Volume to Dredge Template	Volume of 2' Over dredge	Total Volume
35'	878 yd3	627 yd3	1,505 yd3
38'	1 yd3	217 yd3	218 yd3
40'	16 yd3	1,339 yd3	1,355 yd3
TOTAL	895 yd3	2,183 yd3	3,078 yd3

NOTE: BERTH LENGTHS, WIDTHS AND DEEP WATER BERTH DIMENSIONS FROM P.A. PORT DEPARTMENT.

Coordinates are expressed in feet and refer to the NEW JERSEY STATE PLANE (NAD 83) System.
Soundings refer to Mean Low Water as determined by U.S.A.C.E.
The Plane of Mean Low Water is 2.3 feet below Mean Sea Level (NGVD 29).

Note:
This survey does not guarantee the absence or presence of any underwater
obstructions. Diver verification may be required.

NAVDB 3.42
NGVD29 2.30
MLW (N.O.A.A.) 0.87
MLW (COE) & SURVEY 0.00
I hereby certify to The Port Authority
of New York and New Jersey that this
map indicates the conditions existing
as of the date indicated hereon to the
best of my professional knowledge.
William A. Rogers, Jr., P.E., L.S.
New Jersey State # 22254
A.C.S.M. Certified Hydrographer # 151