

NCT

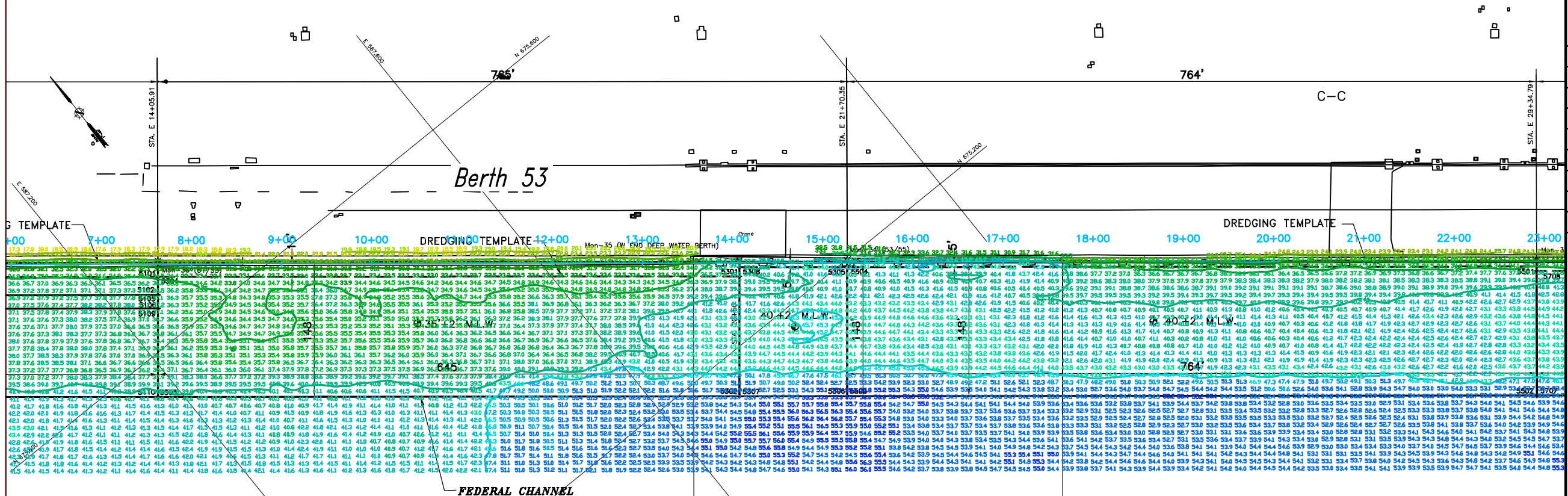
**ESTIMATED WATER DEPTH AT MEAN LOW TIDE
THE PORT AUTHORITY MAKES NO REPRESENTATION
AS TO ACCURACY.**

**CALL (973) 578-2192 FOR SPECIFIC VESSEL
ARRANGEMENTS.**

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



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NEW JERSEY
MARINE
TERMINALHYDROGRAPHIC
SURVEY

BERTH COORDINATE LIST

Point	Northing	Easting	Depth (MLW)
5301	675260.356	587762.527	35.00
5302	675156.806	587678.945	35.00
5303	675561.860	587177.129	35.00
5304	675665.322	587260.642	35.00
5305	675193.064	587861.848	40.00
5306	675081.802	587772.039	40.00
5307	675156.855	587678.984	40.00
5308	675268.137	587768.808	40.00

abeth Channel

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.

<i>Design Depth</i>	<i>Volume to Dredge Template</i>	<i>Volume of 2' Over dredge</i>	<i>Total Volume</i>
35'	257 yd3	2,440 yd3	2,697 yd3
40'	24 yd3	210 yd3	234 yd3
TOTAL	281 yd3	2,650 yd3	2,931 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.

System

29).

M/M

Scale: 1"=80'

No.	Date	Revision	Approved
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VERTICAL CONTROL

Mean Low Water = 2.3' Below 0.00 NGVD '2

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 it's written consent

<u>Rogers Surveying</u>	<u>BW</u>	<u>DWR</u>
Surveyed by	Drawn by	Checked by

Date 12/10/12-01/17/13 Scale 1"= 80'

Contract Number	Drawing Number
410-12-037	35 of 60

BERTH 53

NOTE:
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEY DATA ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THE DATA IS REPRESENTATIVE OF A LARGER DATA SET. SOUNDINGS AND CONTOURS SHOWN ARE FROM 8'x16" GRID NEAREST TO CENTER. COORDINATES REFER TO THE PLANE OF MEAN LOW WATER THE PLANE OF MEAN LOW WATER IS 2.3 FEET BELOW NGVD (1929) THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING CLASS 2 SURVEY STANDARDS IN ACCORDANCE WITH 11151.1.

THIS SURVEY WAS COMPLETED USING THE FOLLOWING EQUIPMENT:

- * Survey Vessel "Red Rogers"
- * Reason "101 Multibeam."
- * TSS 320 POS/MV.
- * Coastal Oceanographics "HYPACK" software