EAST CHANNEL COORDINATES (NORTH AMERICAN 1983 DATUM)

STATION	BEARING	AZIMUTH	RIGHT SIDE	CENTERLINE	LEFT RIGHT
110+891.86			1434633.86 579228.08		1434094.79 578781.54
110+990.86			1434532.20 579272.42		1434070.14 578889.68
112+803.18			1433376.10 580668.11		
113+253.18	N 2 51 8.1 W	357 8 51.9		1432858.00 580823.28	1432563.34 580708.73
113+803.18			1433130.26 581387.53		
117+000.64			1432971.16 584581.03		1432371.90 584551.17
117+200.64			1433160.96 584790.73		1432212.13 584743.46
118+150.64			1433113.68 585739.55	1432614.30 585714.67	1432164.86 585692.28

TIDAL BENCH MARK

TIDAL BENCHMARK IS BENCHMARK 4680 B 1997.
BENCHMARK IS AN ALUMINUM ALLOY ROD IN SLEEVE STAMPED "4680 B 1997".
THE BENCH MARK IS LOCATED IN THE LAWN ON THE NORTH SIDE OF THE US CORPS OF ENGINEERS FT MCHENRY, 91.1FT SE OF POWER POLE NUMBER 816429 ON THE EAST SIDE OF THE PARKING LOT, 80.6 FT SW OF THE SEAWALL, AND 15.7 FT NNE OF THE NE FACE OF THE OFFICE BUILDING. THE POINT IS SET 0.4 FT BELOW GROUND.

VERTICAL DATUM

MHW = 1.38
NAVD88 = 0.83
MLW = 0.21
MLLW 0.00 ft

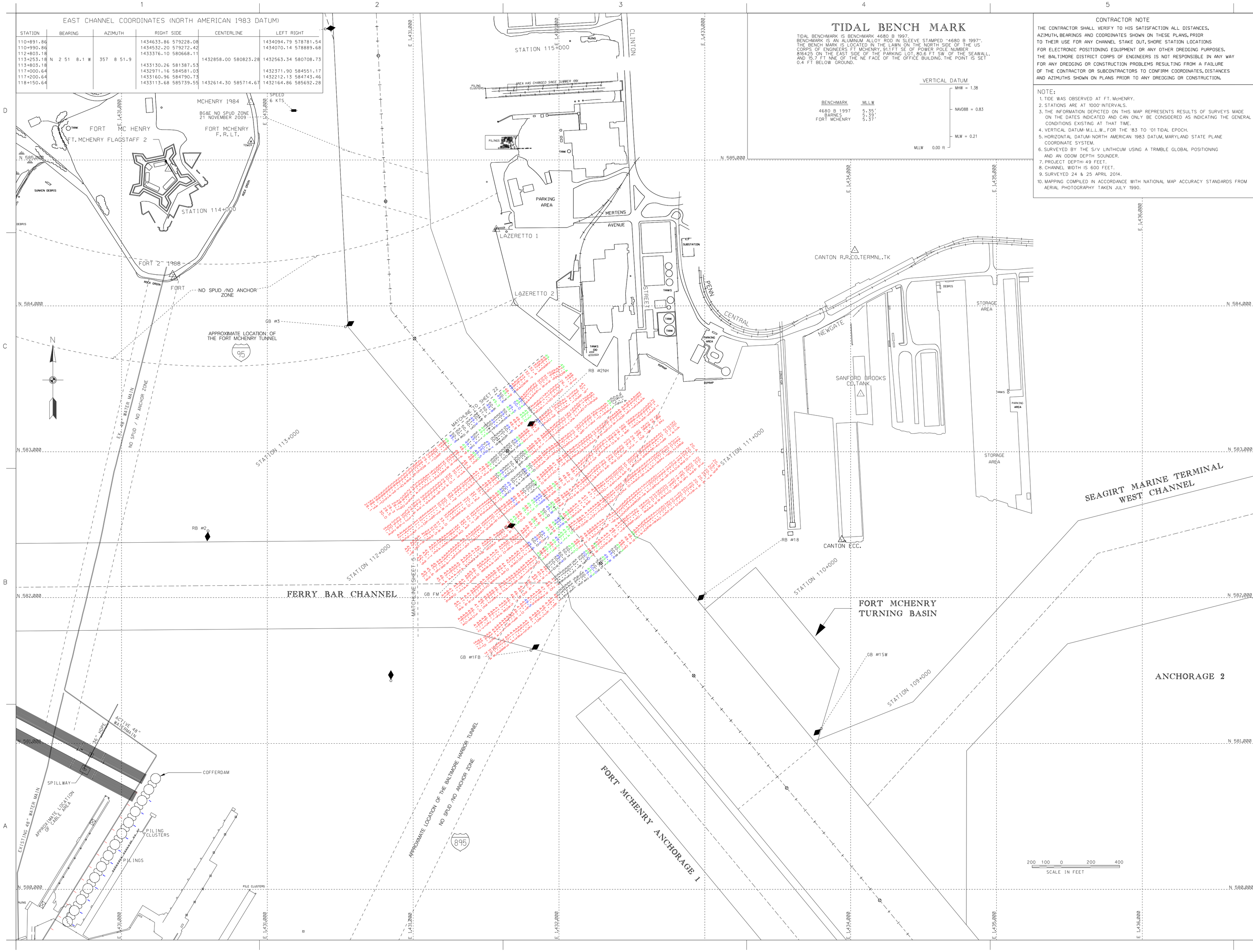
BENCHMARK	MLLW
4680 B 1997	5.35'
BARNES	5.39'
FORT MCHENRY	5.37'

CONTRACTOR NOTE

THE CONTRACTOR SHALL VERIFY TO HIS SATISFACTION ALL DISTANCES, AZIMUTH, BEARINGS AND COORDINATES SHOWN ON THESE PLANS, PRIOR TO THEIR USE FOR ANY CHANNEL STAKE OUT, SHORE STATION LOCATIONS FOR ELECTRONIC POSITIONING EQUIPMENT OR ANY OTHER DREDGING PURPOSES. THE BALTIMORE DISTRICT CORPS OF ENGINEERS IS NOT RESPONSIBLE IN ANY WAY FOR ANY DREDGING OR CONSTRUCTION PROBLEMS RESULTING FROM A FAILURE OF THE CONTRACTOR OR SUBCONTRACTORS TO CONFIRM COORDINATES, DISTANCES AND AZIMUTHS SHOWN ON PLANS PRIOR TO ANY DREDGING OR CONSTRUCTION.

NOTE:

1. TIDE WAS OBSERVED AT FT. McHENRY.
2. STATIONS ARE AT 1000' INTERVALS.
3. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
4. VERTICAL DATUM: M.L.L.W., FOR THE '83 TO '01 TIDAL EPOCH.
5. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM, MARYLAND STATE PLANE COORDINATE SYSTEM.
6. SURVEYED BY THE S/V LINTHCUM USING A TRIMBLE GLOBAL POSITIONING AND AN ODOM DEPTH SOUNDER.
7. PROJECT DEPTH: 49 FEET.
8. CHANNEL WIDTH IS 600 FEET.
9. SURVEYED 24 & 25 APRIL 2014.
10. MAPPING COMPILED IN ACCORDANCE WITH NATIONAL MAP ACCURACY STANDARDS FROM AERIAL PHOTOGRAPHY TAKEN JULY 1990.



US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

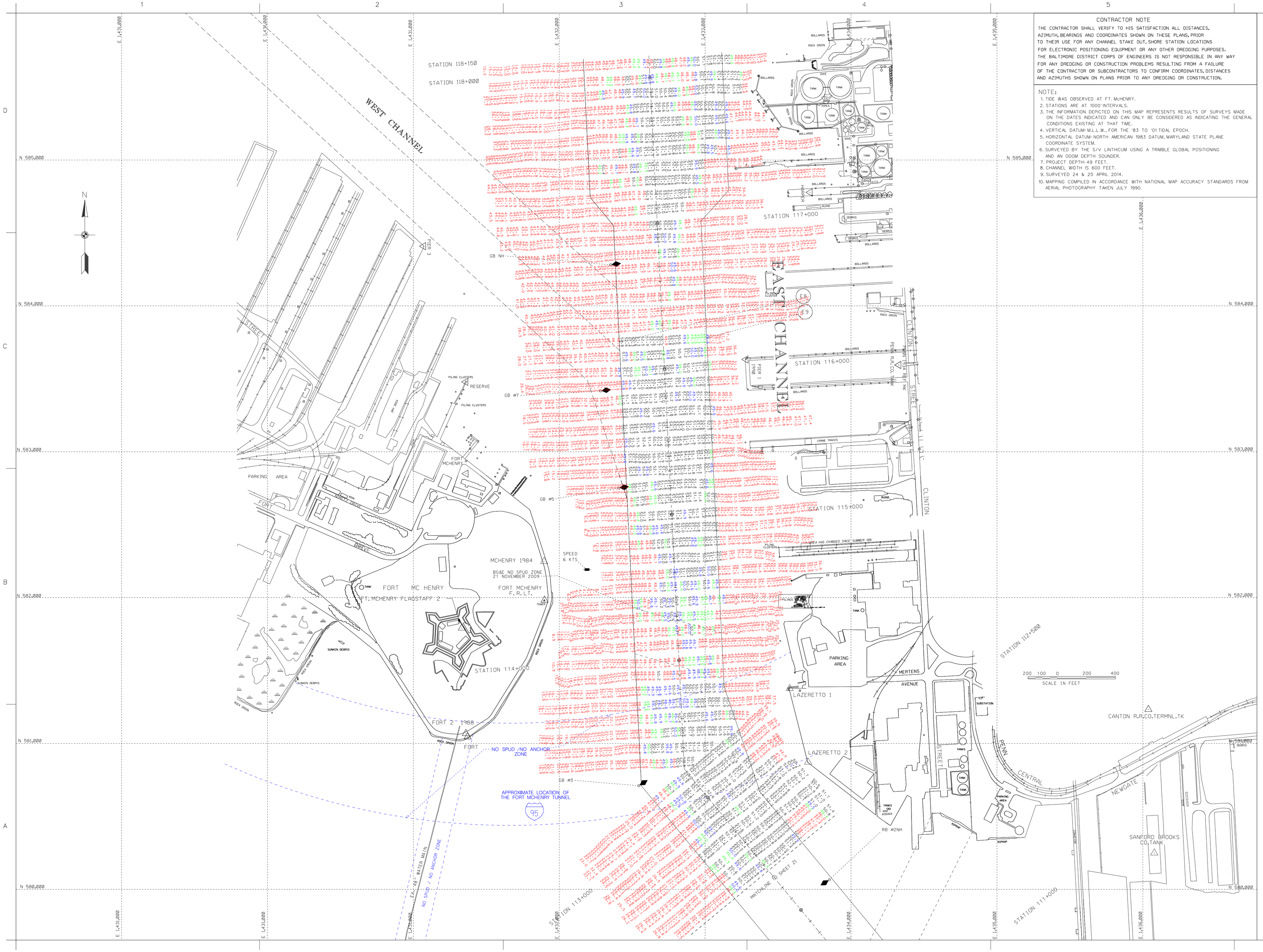
Designed by:	Date: 1 14 2014
Dwn by: SMC	Ckd by: SMC
Reviewed by: SMC	Submitted by: Chief, Nav. Branch
Rev.	Design file no. 01-300-V121.dgn
Drawing code:	File name: 01-300-V121-EXCEL-MAP.dgn
	Plot date:
	Plot scale:

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
NORTHWEST BR. EAST CHANNEL
STATION 111+000 TO 112+300
LINES EXTENDED 0300

Sheet reference number:
V-121
Sheet 21 of 59



CONTRACTOR NOTE

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US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

Mark	Description	Date	Appr.

Designed by: CSD
Date: 2014
Drawn by: CSD
Chkd by: CSD
Reviewed by: SMC
Submitted by: Chief, Nav. Branch
Rev.
Design file no.: 14-0913
Drawing code:
File name: BAL12XECSAP1024
Plot date:
Plot scale:
Plot holder:

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
NORTHWEST BR.EAST CHANNEL
STATIONS 110+00 TO 118+150
LINES EXTENDED 500'

Sheet reference number:
V-122
Sheet 22 of 59