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 BENCH MARK IS BENCH MARK 4680 B 1997. BENCH MARK 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, 911.1FT SE OF POWER POLE NUMBER 816425 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.

BENCH MARK ELEV. IS 5.47' ABOVE MLLW FOR THE '83-'01 TIDAL EPOCH. COMPUTED USING GEOID12B.

BENCHMARK	MLLW
4680 B 1997	5.47'
BARNES	5.52'
FORT MCHENRY	5.51'

VERTICAL DATUM

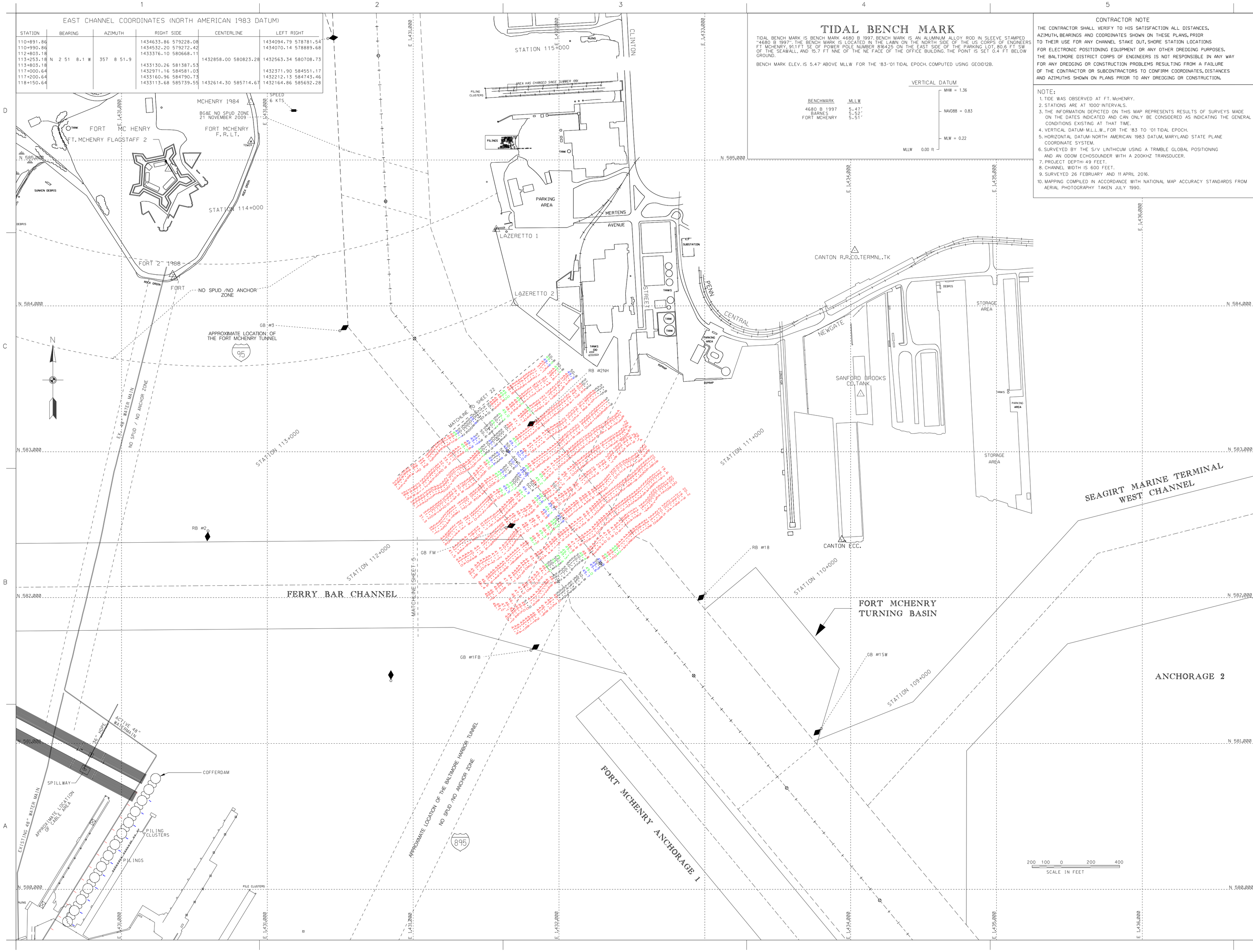
- MHW = 1.36
- NAVD88 = 0.83
- MLW = 0.22
- MLLW 0.00 ft

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 ECHOSOUNDER WITH A 200KHZ TRANSDUCER.
7. PROJECT DEPTH: 49 FEET.
8. CHANNEL WIDTH IS 600 FEET.
9. SURVEYED 26 FEBRUARY AND 11 APRIL 2016.
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.

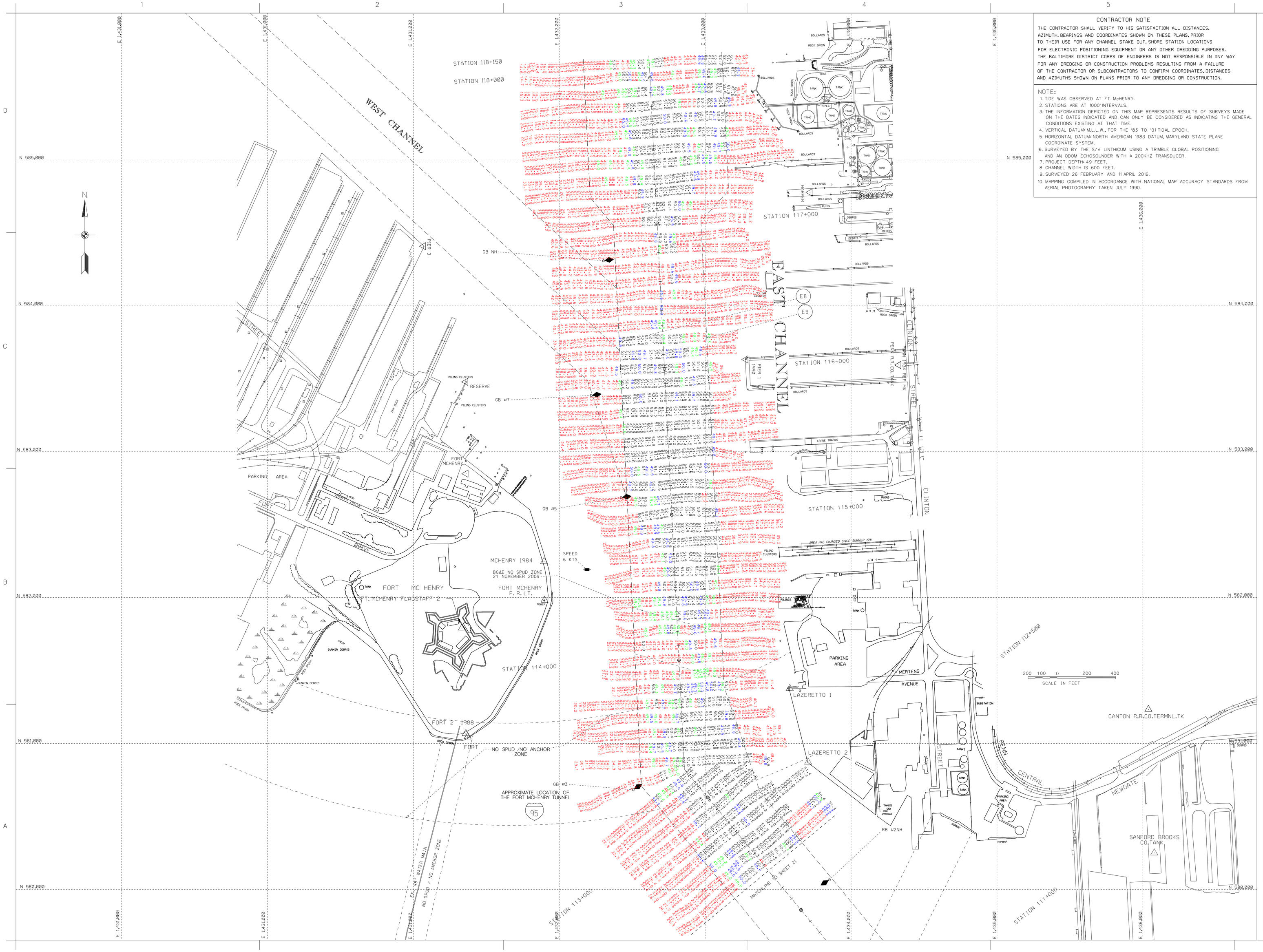
Designed by: JDM
Dwn by: CJD
Ckd by: GBD
Reviewed by: SMC
Submitted by: Chief, Nav. Branch
Date: JUL '11
Scale: 1"=1000'
Design file no.: 1a-013
Drawing code:
File name: Ba_Ft_McHenry_Sheet1.dgn
Plot date:
Plot scale:

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
NORTHWEST BR. EAST CHANNEL
STATIONS 101+00 TO 102+500

Sheet reference number:
V-121
Sheet 21 of 59



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US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

Mark	Description	Date	Appr.

Rev.	Date

APRIL 16, 2016

Drawing code: Design file no.: 14-014

File name: BL-R2_20160411

Plot scale:
Plot date:

Designed by:
Dwn by: JMC
Ckd by: SMC
Reviewed by: SMC
Submitted by: Chief, Nav. Branch

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
NORTHWEST BR. EAST CHANNEL
STATION 112+500 TO 118+150

Sheet reference number:
V-122
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