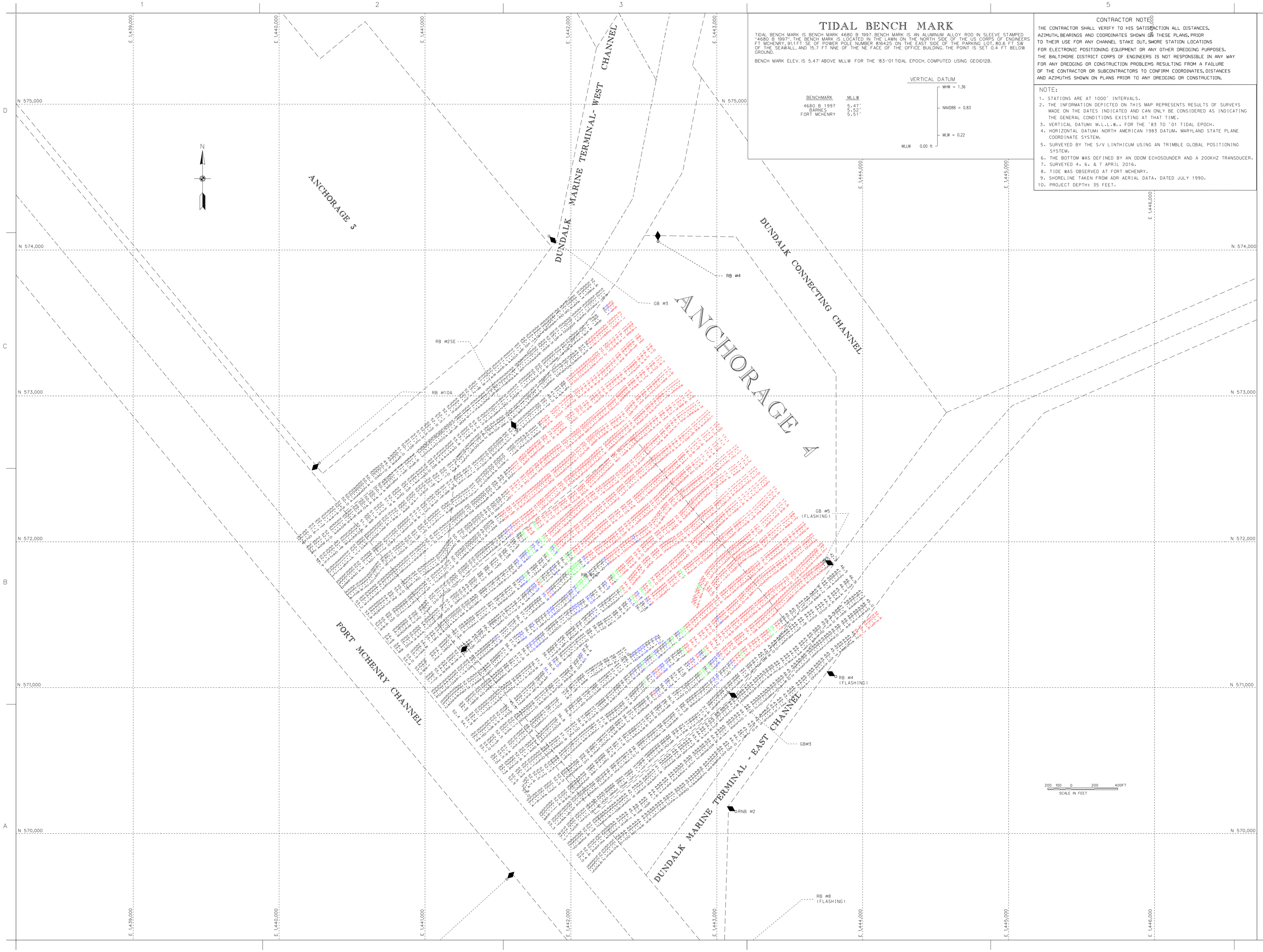

TIDAL BENCH MARK

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, 91.1 FT 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. STATIONS ARE AT 1000' INTERVALS.
2. 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.
3. VERTICAL DATUM: M.L.L.W., FOR THE '83 TO '01 TIDAL EPOCH.
4. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM, MARYLAND STATE PLANE COORDINATE SYSTEM.
5. SURVEYED BY THE S/V LINTHICUM USING AN TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN ODOM ECHOSOUNDER AND A 200KHZ TRANSDUCER.
7. SURVEYED 4, 6, & 7 APRIL 2016.
8. TIDE WAS OBSERVED AT FORT MCHENRY.
9. SHORELINE TAKEN FROM ADR AERIAL DATA, DATED JULY 1990.
10. PROJECT DEPTH: 35 FEET.

US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

Mark	Description	Date	Appr.

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:
Dwn by: JAH
Ckd by: SMG
Reviewed by: SMG
Submitted by:
Chief, Nav. Branch

Date: APRIL '15
Rev.
Design file no. FILE: 17 MAP: 16-071
Drawing code:
File name: BH_03_1M_20160401
Plot date:
Plot scale:

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
ANCHORAGE 4

Sheet reference number:
V-126
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