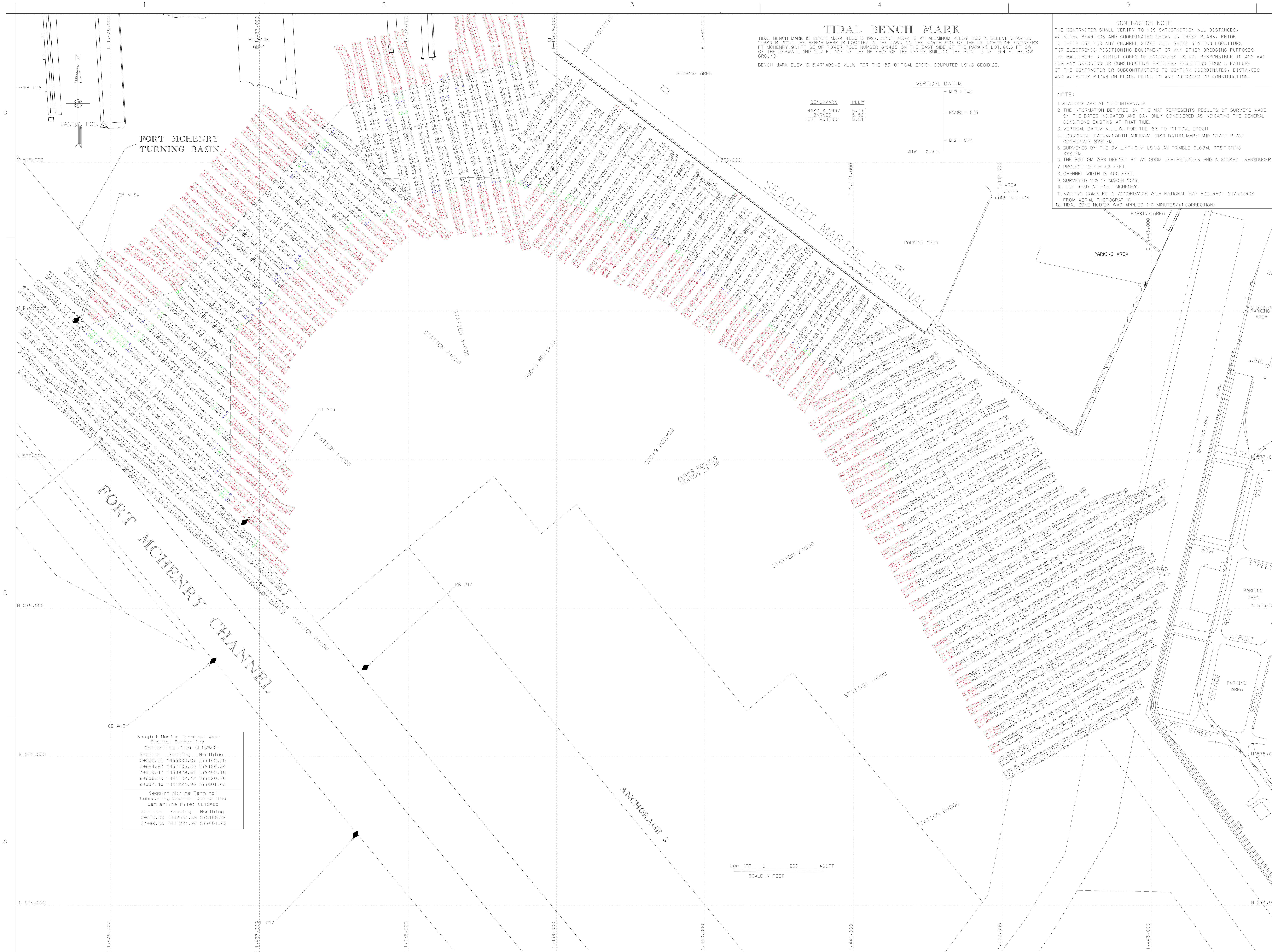


# TIDAL BENCH MARK

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 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 SV LINTHICUM USING AN TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN ODOM DEPTHSOUNDER AND A 200KHZ TRANSDUCER.
7. PROJECT DEPTH: 42 FEET.
8. CHANNEL WIDTH IS 400 FEET.
9. SURVEYED 11 & 17 MARCH 2016.
10. TIDE READ AT FORT MCHENRY.
11. MAPPING COMPILED IN ACCORDANCE WITH NATIONAL MAP ACCURACY STANDARDS FROM AERIAL PHOTOGRAPHY.
12. TIDAL ZONE NCB123 WAS APPLIED (-0 MINUTES/X1 CORRECTION).

US Army Corps of Engineers
Baltimore District

| Mark | Description | Date | Appr. | Mark | Description | Date | Appr. |
|---|---|---|---|---|---|---|---|
| | | 2-19-16 | SMG | | | | |

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

| | | |
|---|---|---|
| Designed by: | Date: APRIL '16 | Rev. |
| Dwn by: JAH / Ckd by: SMG | Design file no. FILE: 17 MAP:16-063 | |
| Reviewed by: SMG | Drawing code: | |
| Submitted by: Chief, Nav. Branch | File name: BH_20_1SW_20160317 Plot date: Plot scale: | |

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
SEAGIRT MARINE TERMINAL WEST CHANNEL
AND
SEAGIRT-DUNDALK CONNECTING CHANNEL

Sheet reference number:
V-129
Sheet 29 of 59