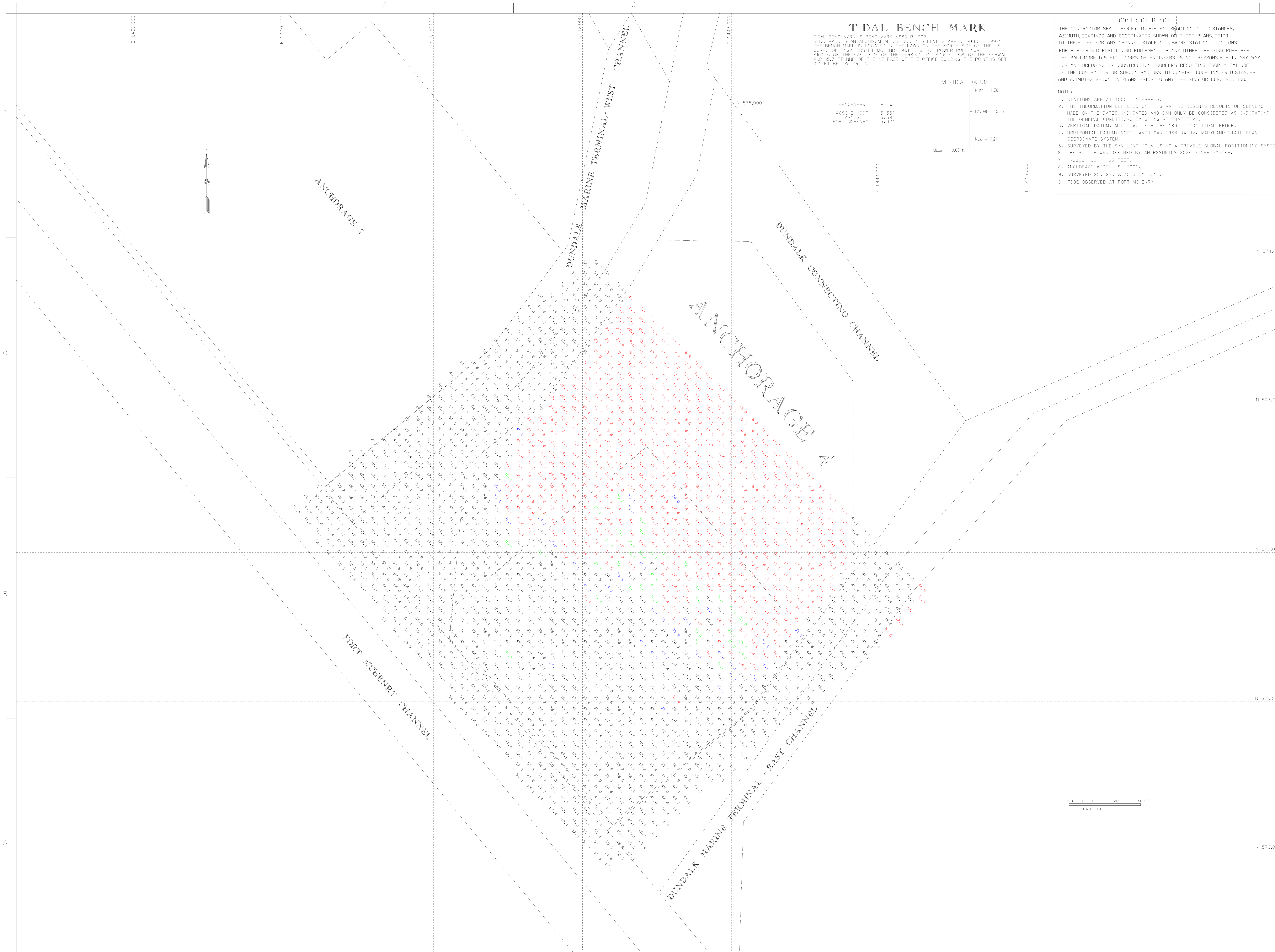


# TIDAL BENCH MARK

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, 91.1 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.

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

VERTICAL DATUM

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

## CONTRACTOR NOTES

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 A TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN R2SONICS 2024 SONAR SYSTEM.
7. PROJECT DEPTH 35 FEET.
8. ANCHORAGE WIDTH IS 1700'.
9. SURVEYED 25, 27, & 30 JULY 2012.
10. TIDE OBSERVED AT FORT MCHENRY.

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: | | Date: AUG. '12 | Rev. |
| Dwn by: JAH | Ckd by: SMG | Design file no. FILE: 17 MAP: 12-169 | |
| Reviewed by: SMG | | Drawing code: | |
| Submitted by: Chief, Nav. Branch | | File name: SH26C1A4JULY2012<br>Plot date:<br>Plot scale: | |

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
ANCHORAGE 4

Sheet reference number:
V 126
Sheet 26 of 59