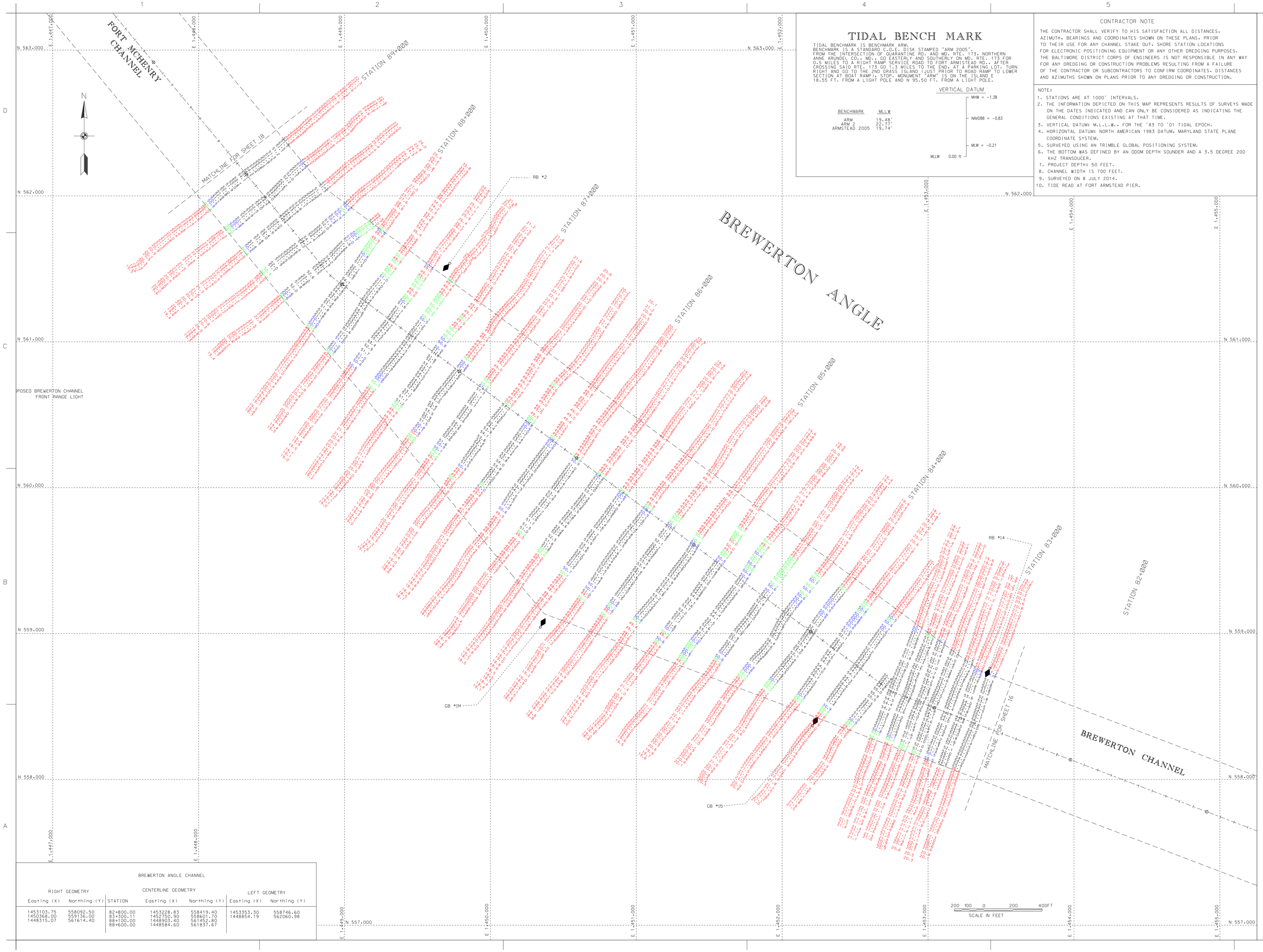

TIDAL BENCH MARK

TIDAL BENCHMARK IS BENCHMARK ARM.
BENCHMARK IS A STANDARD C.O.E. DISK STAMPED "ARM 2005".
FROM THE INTERSECTION OF QUARANTINE RD. AND MD. RTE. 173, NORTHERN ANNE ARUNDEL CO., MD., GO EASTERLY AND SOUTHERLY ON MD. RTE. 173 FOR 0.5 MILES TO A RIGHT RAMP SERVICE ROAD TO FORT ARMISTEAD RD.. AFTER CROSSING SAID RTE. 173 GO 1.3 MILES TO THE END. AT A PARKING LOT. TURN RIGHT AND GO TO THE 2ND GRASS ISLAND (JUST PRIOR TO ROAD RAMP TO LOWER SECTION AT BOAT RAMP). STOP. MONUMENT "ARM" IS ON THE ISLAND E 18.55 FT. FROM A LIGHT POLE AND N 95.50 FT. FROM A LIGHT POLE.

VERTICAL DATUM

BENCHMARK	MLLW
ARM	19.48'
ARM 2	22.77'
ARMSTEAD 2005	19.74'

MHW = -1.38
NAVD88 = -0.83
MLW = -0.21
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 USING AN TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN ODOM DEPTH SOUNDER AND A 3.5 DEGREE 200 KHZ TRANSDUCER.
7. PROJECT DEPTH: 50 FEET.
8. CHANNEL WIDTH IS 700 FEET.
9. SURVEYED ON 8 JULY 2014.
10. TIDE READ AT FORT ARMSTEAD PIER.

BREWERTON ANGLE CHANNEL

RIGHT GEOMETRY		CENTERLINE GEOMETRY			LEFT GEOMETRY	
Easting (X)	Northing (Y)	STATION	Easting (X)	Northing (Y)	Easting (X)	Northing (Y)
1453103.75	558092.50	82+800.00	1453228.83	558419.40	1453353.30	558746.60
1450368.00	559136.00	83+300.11	1452750.90	558601.70	1448854.19	562060.98
1448315.07	561614.40	88+100.00	1448903.40	561452.80		
		88+600.00	1448584.60	561837.67		

US Army Corps of Engineers
Baltimore District

Symbol	Date	Description	Mark

Symbol	Date	Description	Mark

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:
Date: 7/14
Scale: 1:4,154
Rev.
Dwn by: SMC
Ckd by: SMC
Design file no.
Drawing number:
Reviewed by: SMD
Submitted by: Chief, Des. Branch
File name:BWCCSMA04.DGN
Plot date:
Plot scale:

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
BREWERTON ANGLE
STATION 82+700 TO 89+000

Sheet reference number:
V-117
Sheet 17 of 59