CURTIS BAY CHANNEL COORDINATES (NORTH AMERICAN 1983 DATUM)

STATION	BEARING	AZIMUTH	RIGHT GEOMETRY	CENTERLINE	LEFT GEOMETRY
-0+400.00	S 87 55 6.7 W	267 55 6.7		1444830.23 566867.26	
-0+278.96					1444743.29 565927.16
0.00				1444431.08 566852.75	
1+062.83			1443339.11 567622.06		
1+162.83			1443024.15 567001.73		
2+600.00					1441839.48 566558.40
9+800.00			1434629.70 566696.56		1434644.23 566296.82
10+600.00			1433804.79 567367.03		1433851.11 566092.88
11+882.10			1432523.52 567320.45	1432556.22 566421.05	1432569.84 566046.30

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.

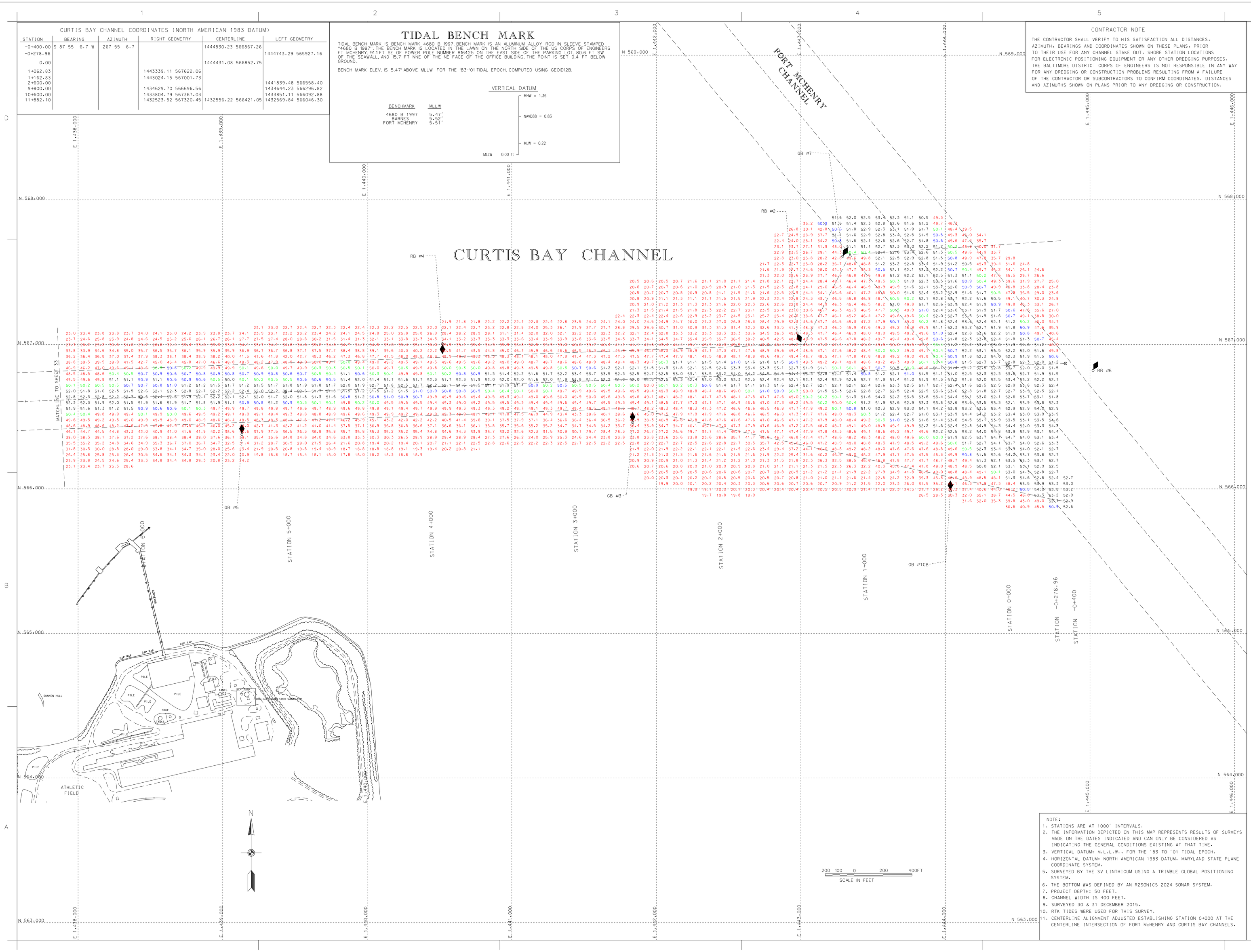
VERTICAL DATUM

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

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 SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN R2SONICS 2024 SONAR SYSTEM.
7. PROJECT DEPTH: 50 FEET.
8. CHANNEL WIDTH IS 400 FEET.
9. SURVEYED 30 & 31 DECEMBER 2015.
10. RTK TIDES WERE USED FOR THIS SURVEY.
11. CENTERLINE ALIGNMENT ADJUSTED ESTABLISHING STATION 0+000 AT THE CENTERLINE INTERSECTION OF FORT McHENRY AND CURTIS BAY CHANNELS.

US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

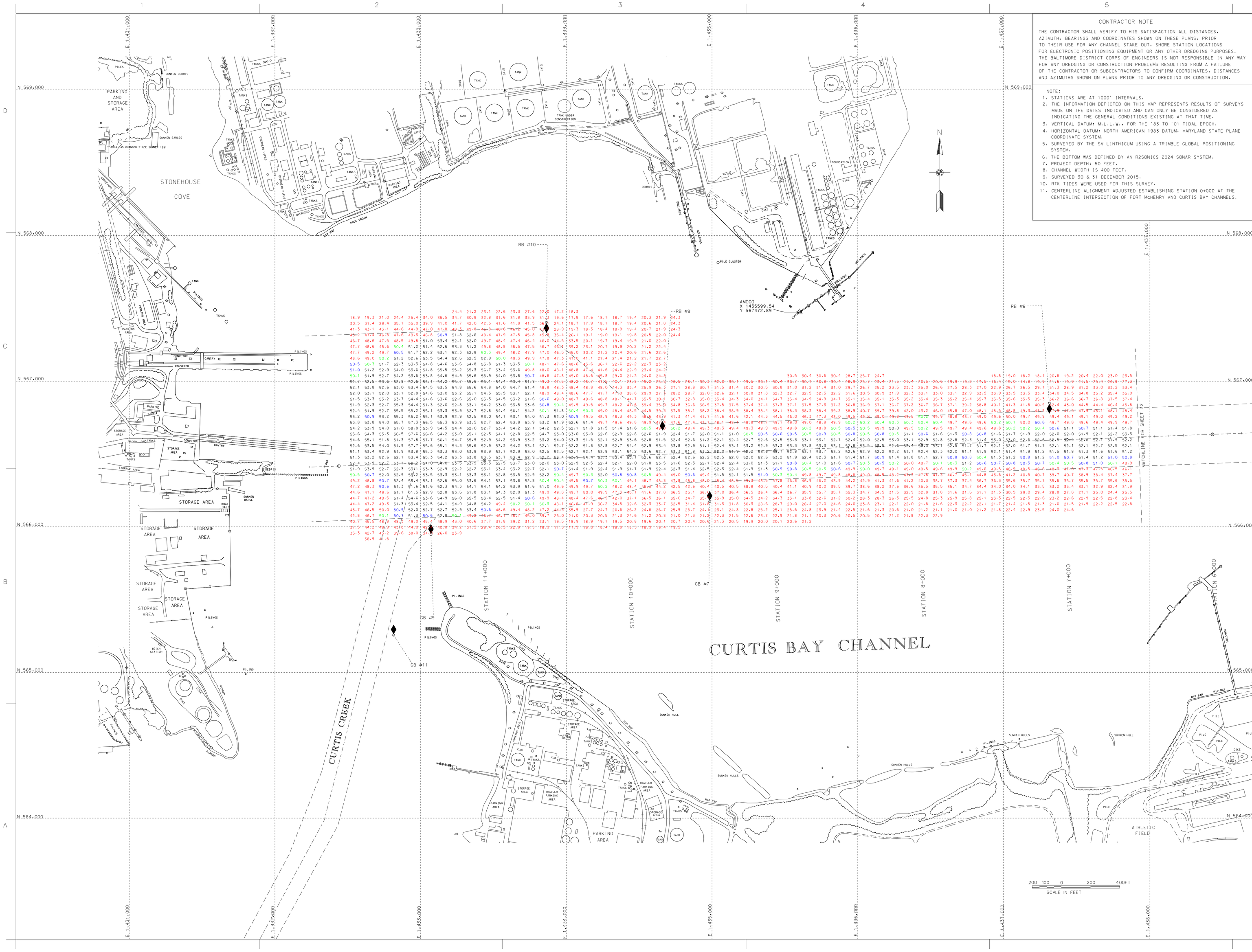
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by: | Date by: JULY 16 | Chk by: SMG | Reviewed by: SMG | Submitted by: | Date: MARCH '16 | Design file no.: CONDITION MAP-04.dgn | Drawing name: | File name: Rb_06_2015V.dgn | Plot date: | Plot scale: | Dwgs No. Binder:

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
CURTIS BAY CHANNEL
STATION -0+400 TO 6+000

Sheet reference number:
V-132
Sheet 32 of 59



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 SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN R2SONICS 2024 SONAR SYSTEM.
7. PROJECT DEPTH: 50 FEET.
8. CHANNEL WIDTH IS 400 FEET.
9. SURVEYED 30 & 31 DECEMBER 2015.
10. RTK TIDES WERE USED FOR THIS SURVEY.
11. CENTERLINE ALIGNMENT ADJUSTED ESTABLISHING STATION 0+000 AT THE CENTERLINE INTERSECTION OF FORT McHENRY AND CURTIS BAY CHANNELS.

US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

Mark	Description	Date	Appr.

Date: MMDD= 16
Design file no.: 16_CB_CB_Sp 50_050
Drawing name:
File name: Bm_CB_CB_20161231
Plot date:
Plot scale:

Designed by:
Date by: 1985
Drawn by: JB
Reviewed by: SWC
Submitted by:
Check Nav. Br. Branch:

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
CURTIS BAY CHANNEL
STATION 6+000 TO 11+982

Sheet reference number:
V-133
Sheet 33 of 59