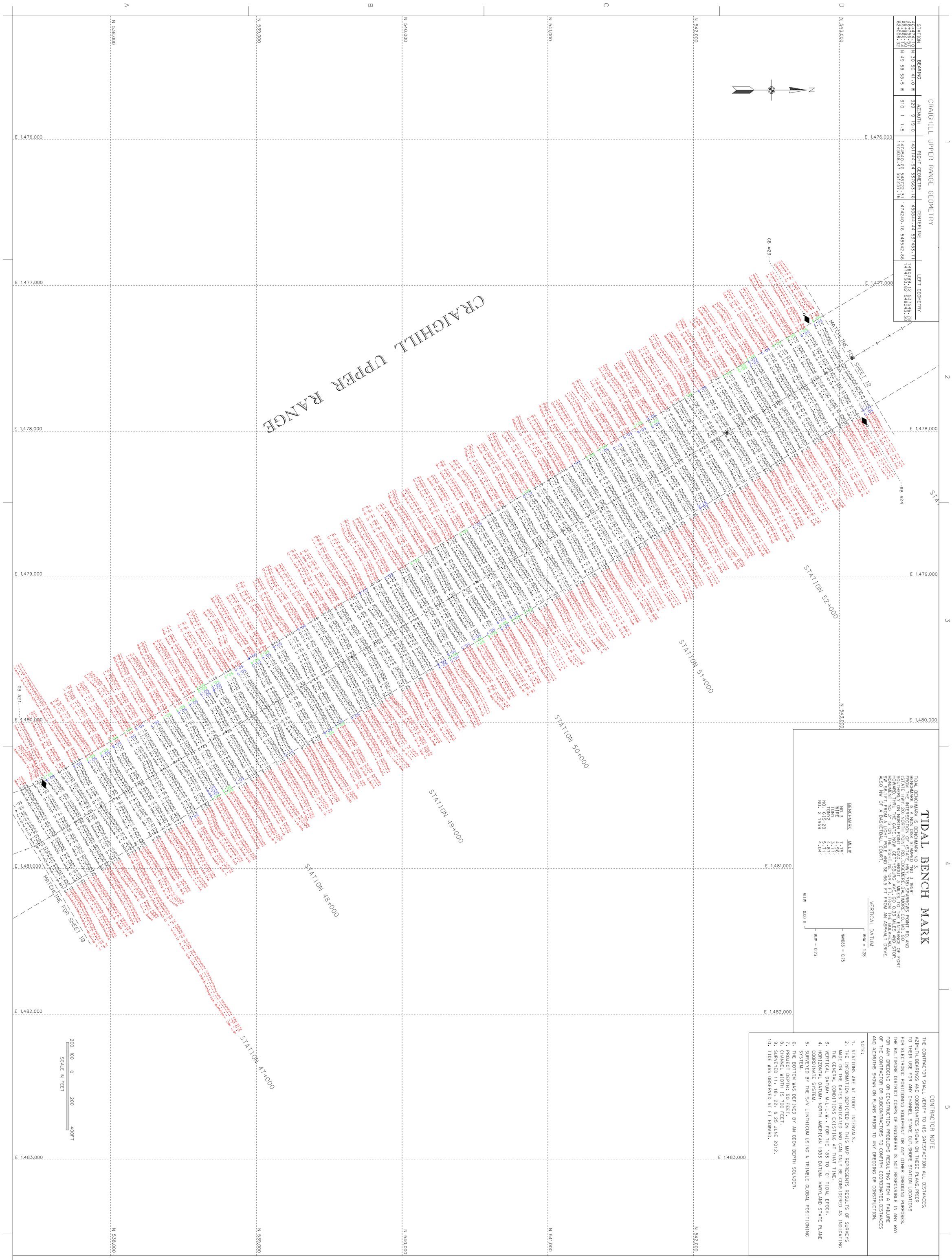


CRAIGHILL UPPER RANGE GEOMETRY

STATION	BEARING	AZIMUTH	RIGHT GEOMETRY	CENTERLINE	LEFT GEOMETRY
46+474.10	N 30 50 41.0 W	329 9 19.0	1481144.94 537663.16	1480844.44 537483.71	1480399.12 537546.78
46+726.52					1474130.82 548043.30
59+335.14	N 49 58 58.5 W	310 1 1.5	1474540.66 548722.31	1474240.16 548542.86	
62+008.32			1473038.47 551237.76		

TIDAL BENCH MARK

TIDAL BENCHMARK IS BENCHMARK NO. 3. NAD 1959"
BENCHMARK IS ON SOUTHWEST SIDE OF STATE HWY. 718) SPARROWS POINT RD. AND
FROM THE INTERSECTION OF STATE HWY. 718 AND STATE HWY. 20 (EDGEMERE RD.)
(STATE HWY. 20) NORTH POINT RD., EDGEMERE, BALTIMORE CO., MD., GO
SOUTHERLY ON NORTH POINT ROAD, ABOUT 3 MILES, TO THE ENTRANCE OF FORT
MONUMENT "NO. 3" IS ON THE RIGHT NEAR THE BUS STOP.
SW 56.1 FT. FROM A LIGHT POLE AND SE 66.5 FT FROM AN ASPHALT DRIVE.
ALSO NW OF A BASKETBALL COURT.

BENCHMARK	MLLW
NO. 3	7.75'
WAYNE	4.59'
TONY	3.79'
TONY2	4.87'
GIS-29	5.71'
NO. 2 1959	4.04'

VERTICAL DATUM

MHW = 1.28
NAVD88 = 0.75
MLW = 0.23
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 LITHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN ODOM DEPTH SOUNDER.
7. PROJECT DEPTH: 50 FEET.
8. CHANNEL WIDTH IS 700 FEET.
9. SURVEYED 11, 18, 22, & 25 JUNE 2012.
10. TIDE WAS OBSERVED AT FT HOWARD.

Sheet reference number: V-111
Sheet 11 of 59

BALTIMORE HARBOR
MARYLAND

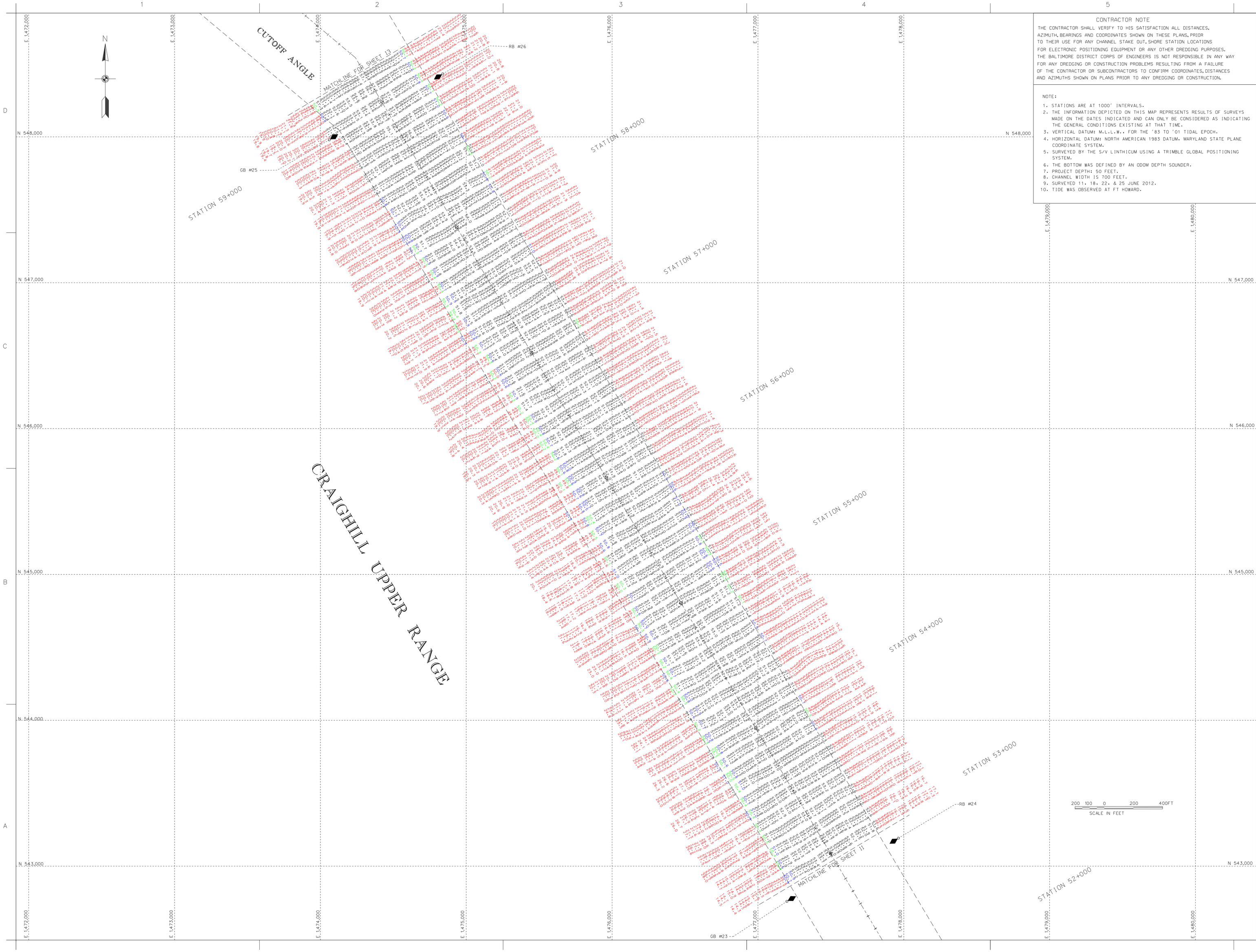
CONDITION SURVEY
CRAIGHILL UPPER RANGE
STATION 46+500 TO 52+900

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:		Date: JUNE '12	Rev.
Dwn by: JAH	Ckd by: SMG	Design file no. FILE: 17 MAP: 12-165	
Reviewed by: SMG		Drawing code:	
Submitted by:		File name:SH11_12C1UR25JUNE2012 Plot date: Plot scale:	

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

US Army Corps of Engineers
Baltimore District



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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 by: JUNE 2012
Cost by: SMG
Reviewed by: SMG
Submitted by:
Date: JUNE 12
Design file no. CHIGHILL UPPER 59-168
Drawing scale:
Rev.
File name: pro_CRAIGHILL UPPER 59-168.dgn
Plot date:
Plot scale:
Plot time:

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
CRAIGHILL UPPER RANGE
STATION 53+000 TO 59+200

Sheet reference number:
V-112
Sheet 12 of 59