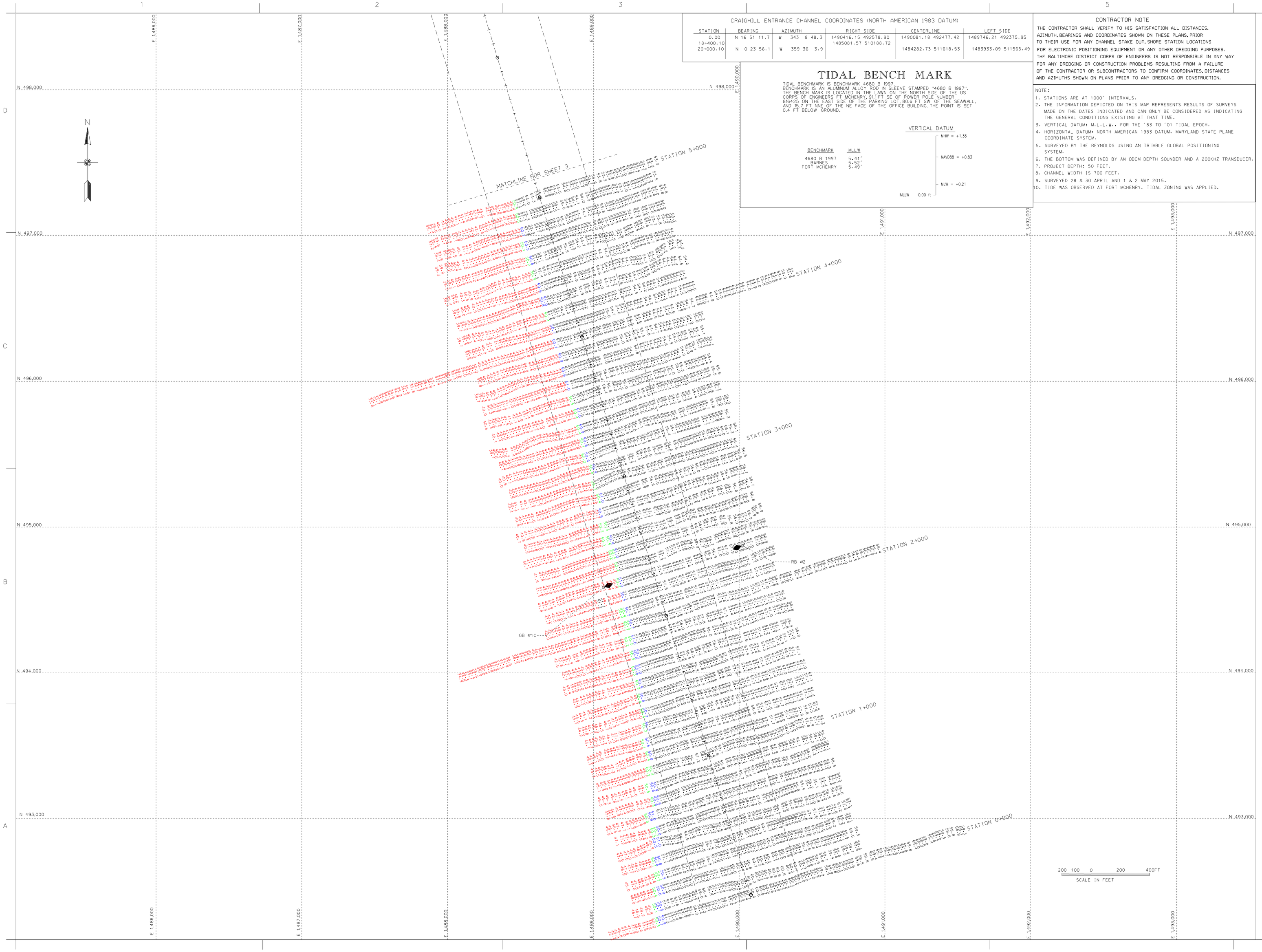

CRAIGHILL ENTRANCE CHANNEL COORDINATES (NORTH AMERICAN 1983 DATUM)

STATION	BEARING	AZIMUTH	RIGHT SIDE	CENTERLINE	LEFT SIDE
0.00	N 16 51 11.7	W 343 8 48.3	1490416.15 492578.90	1490081.18 492477.42	1489746.21 492375.95
18+400.10			1485081.57 510188.72		
20+000.10	N 0 23 56.1	W 359 36 3.9		1484282.73 511618.53	1483933.09 511565.49

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. 91.1FT 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 PONT IS SET 0.4 FT BELOW GROUND.

BENCHMARK	MLLW
4680 B 1997	5.41'
BARNES	5.52'
FORT MCHENRY	5.49'

VERTICAL DATUM

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

CONTRACTOR NOTE

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NOTE:

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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 REYNOLDS USING AN TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN ODOM DEPTH SOUNDER AND A 200KHZ TRANSDUCER.
7. PROJECT DEPTH: 50 FEET.
8. CHANNEL WIDTH IS 700 FEET.
9. SURVEYED 28 & 30 APRIL AND 1 & 2 MAY 2015.
10. TIDE WAS OBSERVED AT FORT MCHENRY. TIDAL ZONING WAS APPLIED.

US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

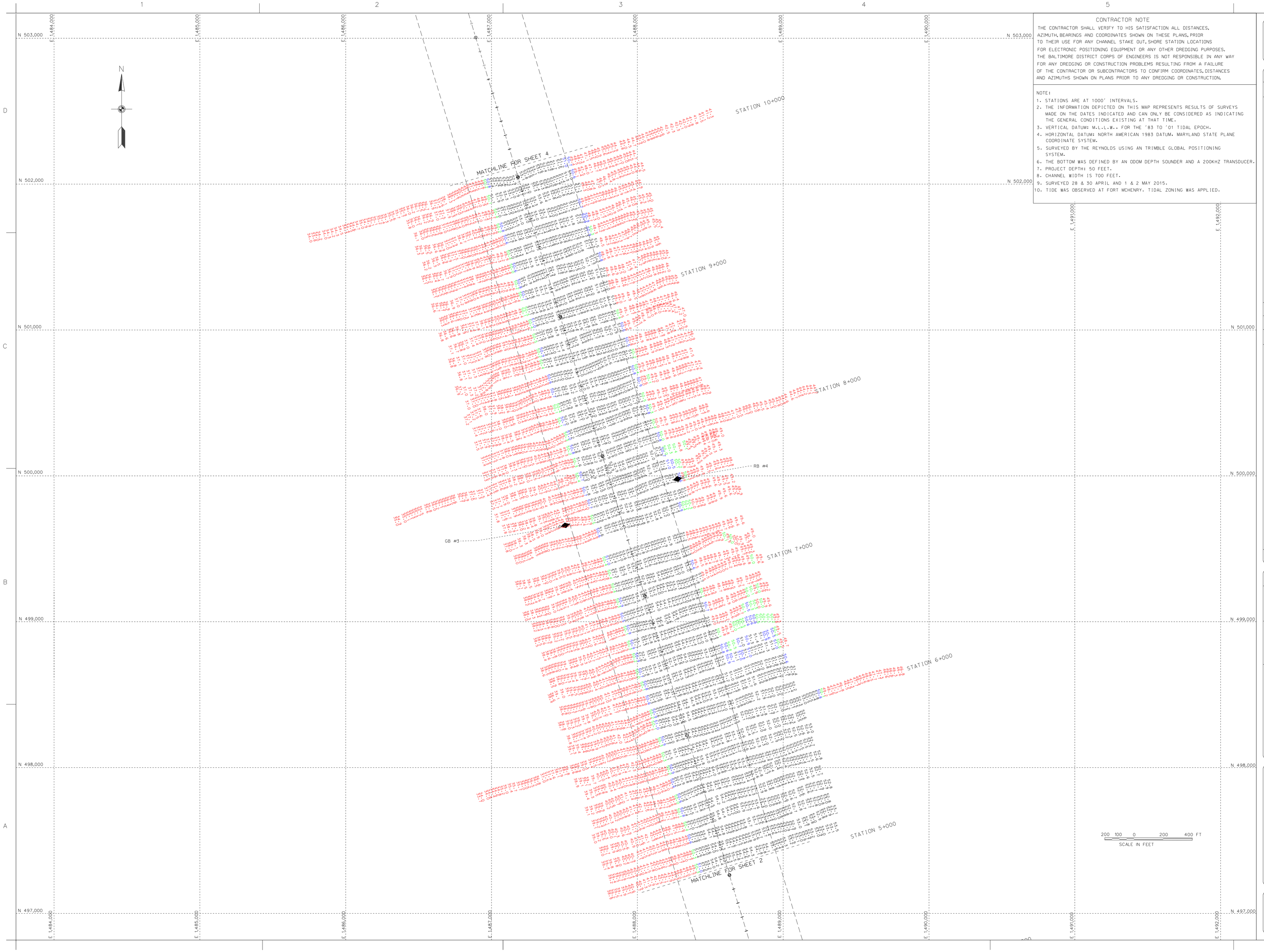
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:
Dwn by: MVP
Ckd by: DBB
Rev by: JAW
Approved by: DBB
Submitted by:
Date: 11-13
Scale: 1" = 1000' (1:12000)
Design file no.
Drawing code:
File name: BAL-CEC_C0900202
Plot date:
Plot scale:
Chief, Nav. Branch

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
CRAIGHILL CHANNEL
STATION 0+000 TO 5+000

Sheet reference number:
V-102
Sheet 2 of 59



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US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

Mark	Description	Date	Appr.

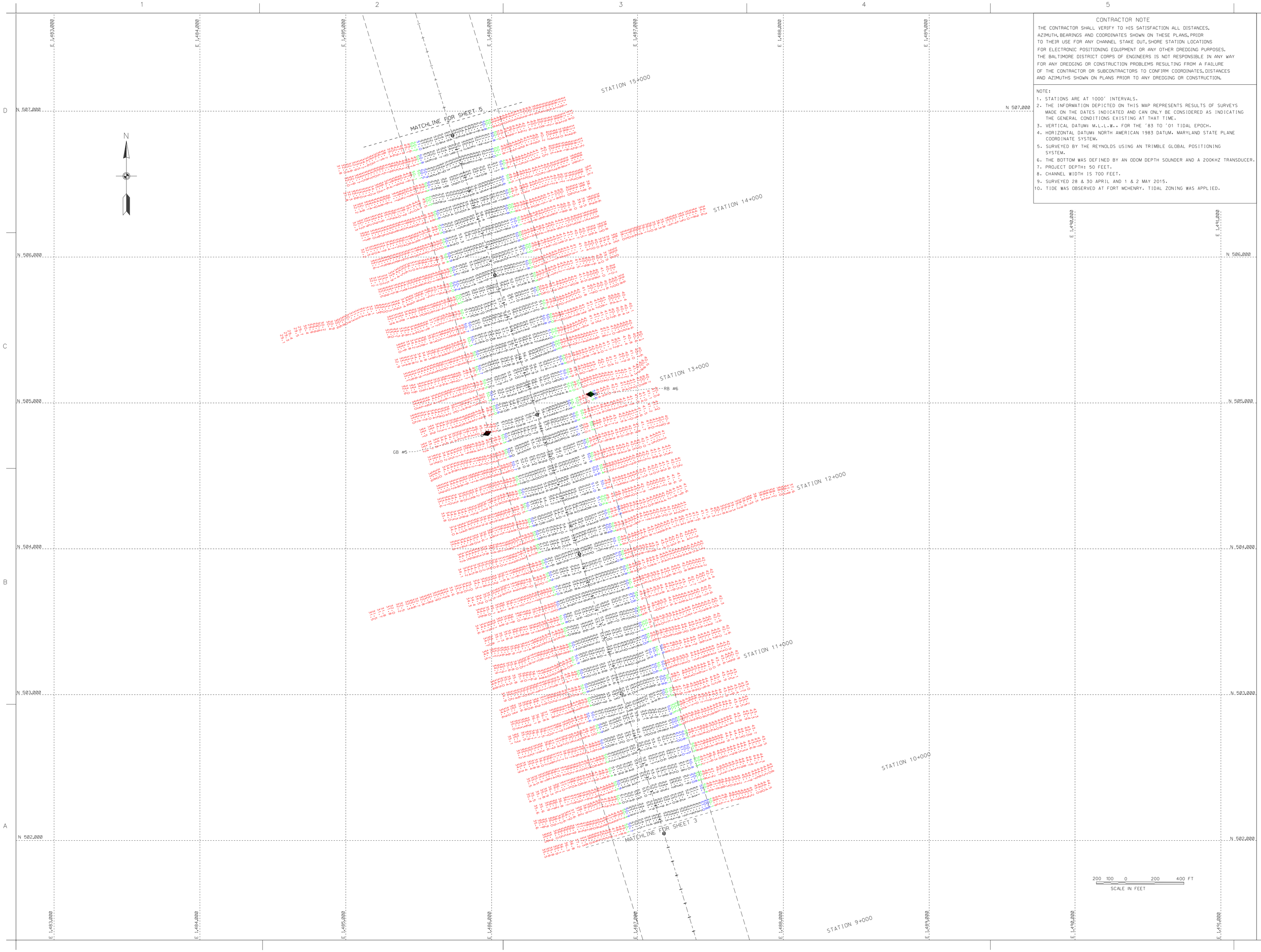
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by: Date: May '15
Dwn by: CMC
Ckd by: CMC
Reviewed by: SMC
Submitted by: Chief, Nav. Branch
Rev.
Design File No. 15-062
Drawing name:
File name: BALT_CSE_C20150202
Plot scale:
Plot date:

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
CHANNEL ENTRANCE
STATION 5+100 TO 10+000

Sheet reference number:
V-103
Sheet 3 of 59



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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:
Dwn by: CAD
Reviewed by: SMG
Submitted by:
Chief, Nav. Branch

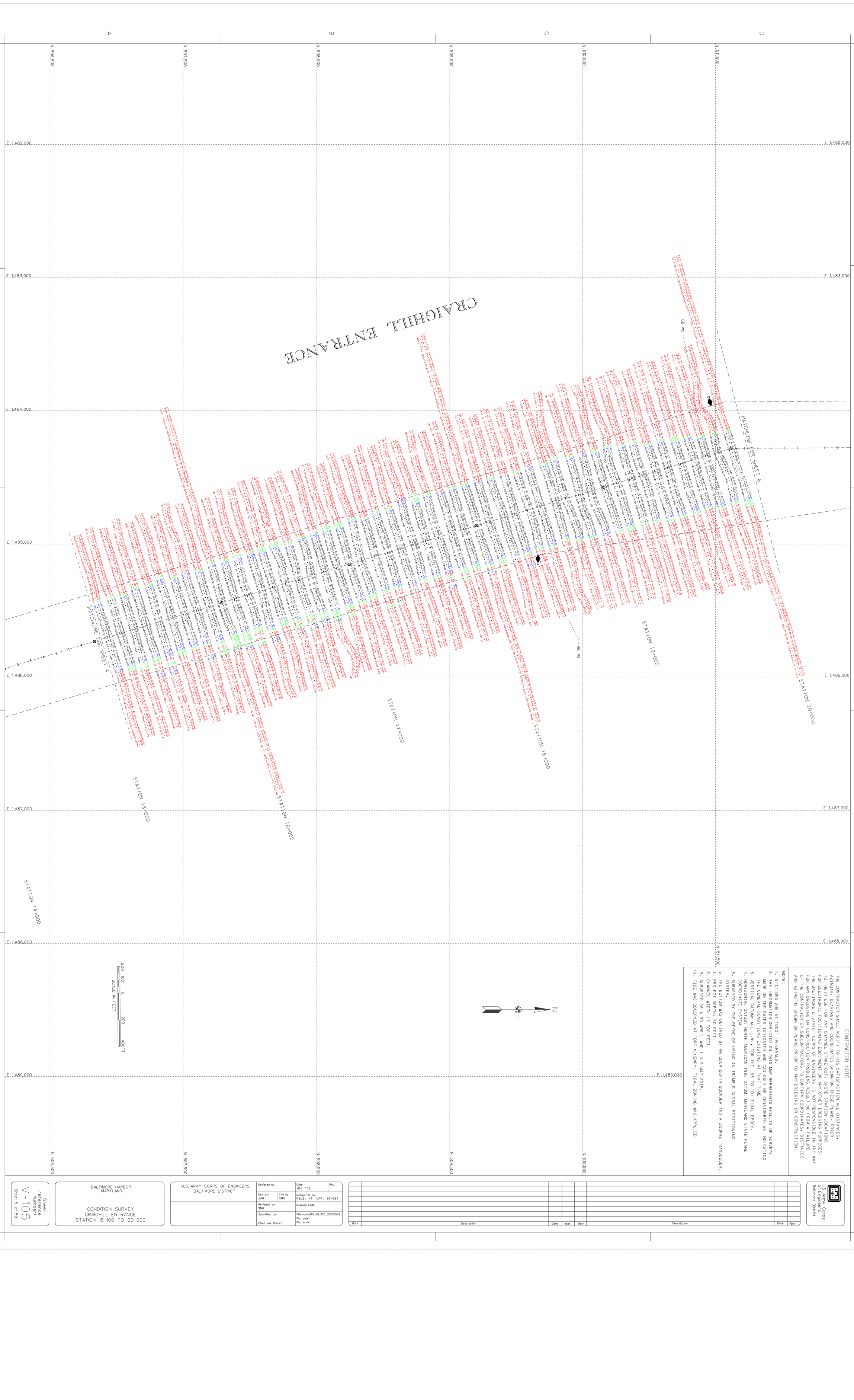
Date: Mar '15
Scale: 1" = 1000'
Design file name: 15-063 CS Survey.dgn
Drawing color:
File location: CAD_GIS_DWG\CS2
Plot scale:
Plot color:

Rev.

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
CONTRACT NO. W912DQ-15-C-4004
STATION 10+000 TO 15+000

Sheet reference number:
V-104
Sheet 4 of 59



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Sheet reference number: V-105
Sheet 5 of 59

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
CRAIGHILL ENTRANCE
STATION 15+100 TO 20+000

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:		Date: MAY '15	Rev.
Dwn by: JAH	Ckd by: SMG	Design file no. FILE: 17 MAP: 15-064	
Reviewed by: SMG		Drawing code:	
Submitted by: Chief, Nav. Branch		File name:BH_08_1CE_20150502 Plot date: Plot scale:	

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

US Army Corps of Engineers
Baltimore District