FORT MCHENRY CHANNEL

50' DEEP AND 700' WIDE.

RIGHT GEOMETRY		CENTERLINE GEOMETRY			LEFT GEOMETRY	
Easting (X)	Northing (Y)	STATION	Easting (X)	Northing (Y)	Easting (X)	Northing (Y)
1448315.07	561614.40	88+600	1448584.60	561837.67	1448854.19	562060.98
1434094.80	578781.50	110+900.90	1434301.17	579081.06	1434633.90	579228.10
1434070.10	578889.70				1434532.20	579272.40

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.

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

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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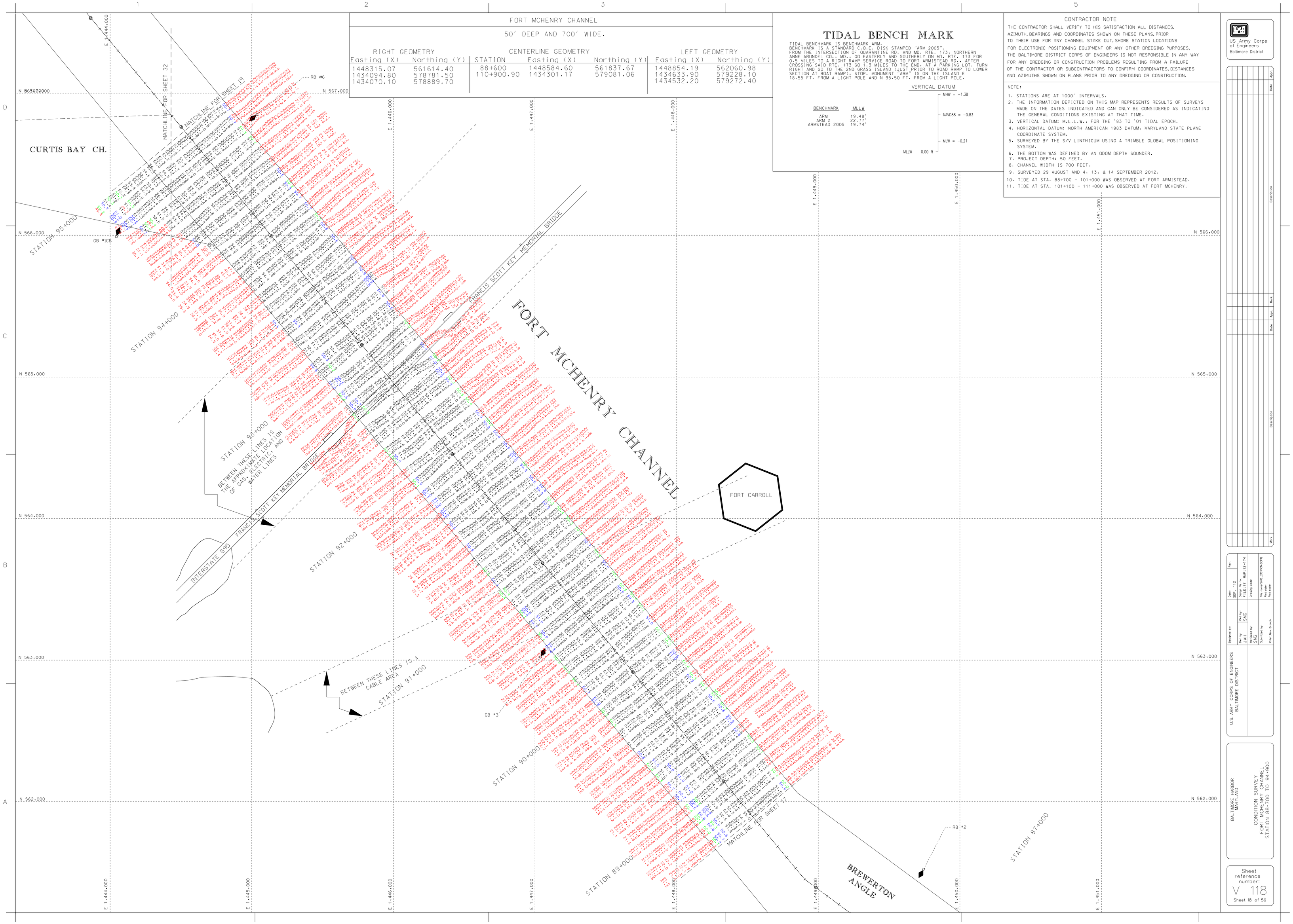
3. VERTICAL DATUM: M.L.L.W. FOR THE '83 TO '01 TIDAL EPOCH.
4. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM, MARYLAND STATE PLANE COORDINATE SYSTEM.
5. SURVEYED BY THE S/V LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN ODOM DEPTH SOUNDER.
7. PROJECT DEPTH: 50 FEET.
8. CHANNEL WIDTH IS 700 FEET.
9. SURVEYED 29 AUGUST AND 4, 13, & 14 SEPTEMBER 2012.
10. TIDE AT STA. 88+700 - 101+000 WAS OBSERVED AT FORT ARMISTEAD.
11. TIDE AT STA. 101+100 - 111+000 WAS OBSERVED AT FORT MCHENRY.



US Army Corps of Engineers
Baltimore District

Mark	Date	Description

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by: JAM
Date Sept. '12
Drawn by: SMC
Date 11/27/12
Checked by: SMC
Approved by: Chief, Geo. Br.
Drawing Code:
File name: FMCH_DEPCHART.dgn
Plot date:
Plot time:

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
FORT MCHENRY CHANNEL
STATION 88+700 TO 94+900

Sheet reference number:
V 118
Sheet 18 of 59

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US Army Corps of Engineers
Baltimore District

No.	Description	Date	Appr.
1			
2			
3	Description	Date	Appr.
4			
5			
6	Description	Date	Appr.

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

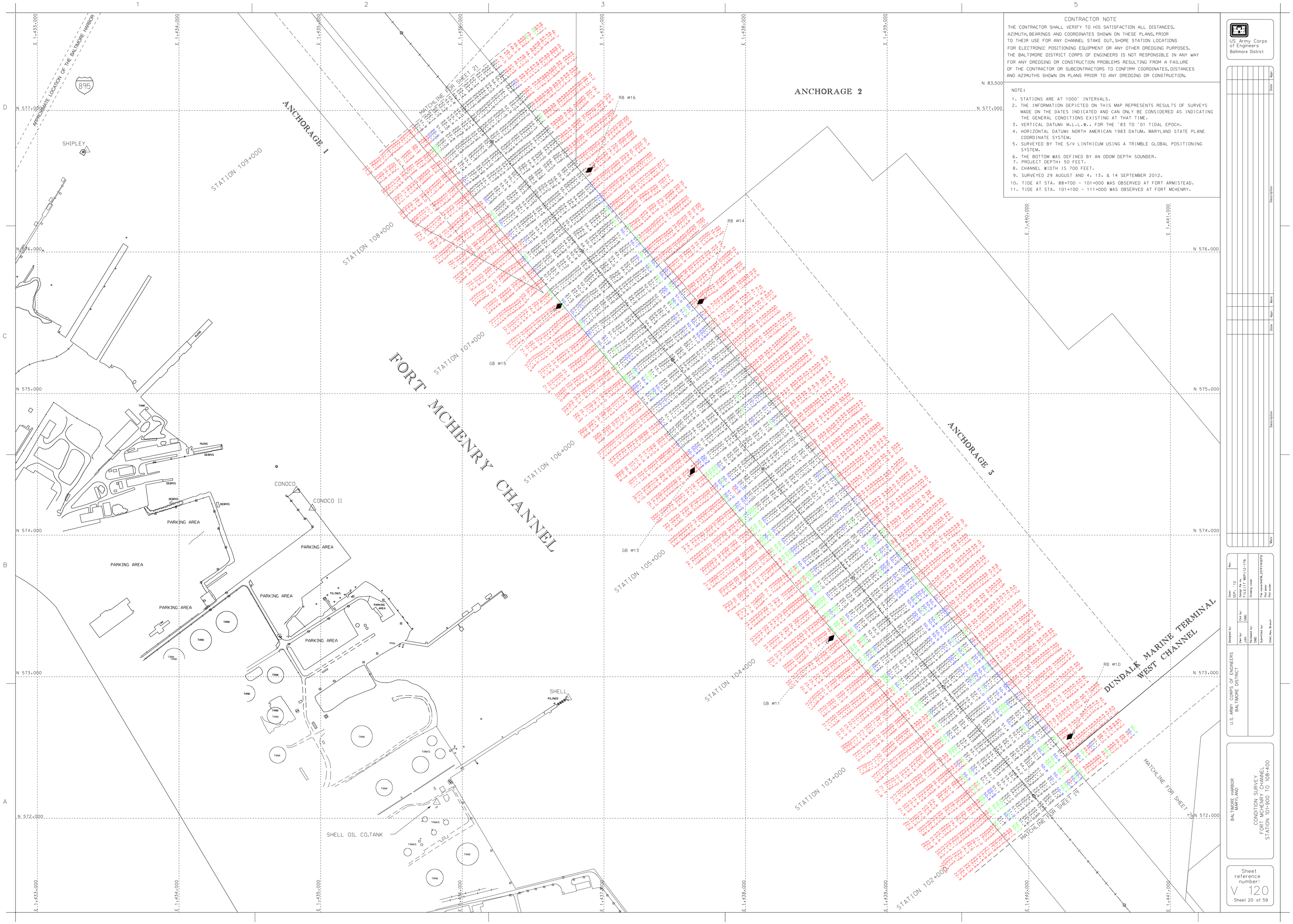
Designed by:
Drawn by: SMC
Checked by:
Traced by: SMC
Date by: SMC
Submitted by:
Approved by:

Scale: 1" = 1,200'
Design File Name: 1201212-175
Drawing Code:
File name=P09_FCHTCHSHP2
Plot date=
Plot scale=
Check Plan Branch

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
FORT MCHENRY CHANNEL
STATION 95+000 TO 101+800

Sheet reference number:
V 119
Sheet 19 of 59



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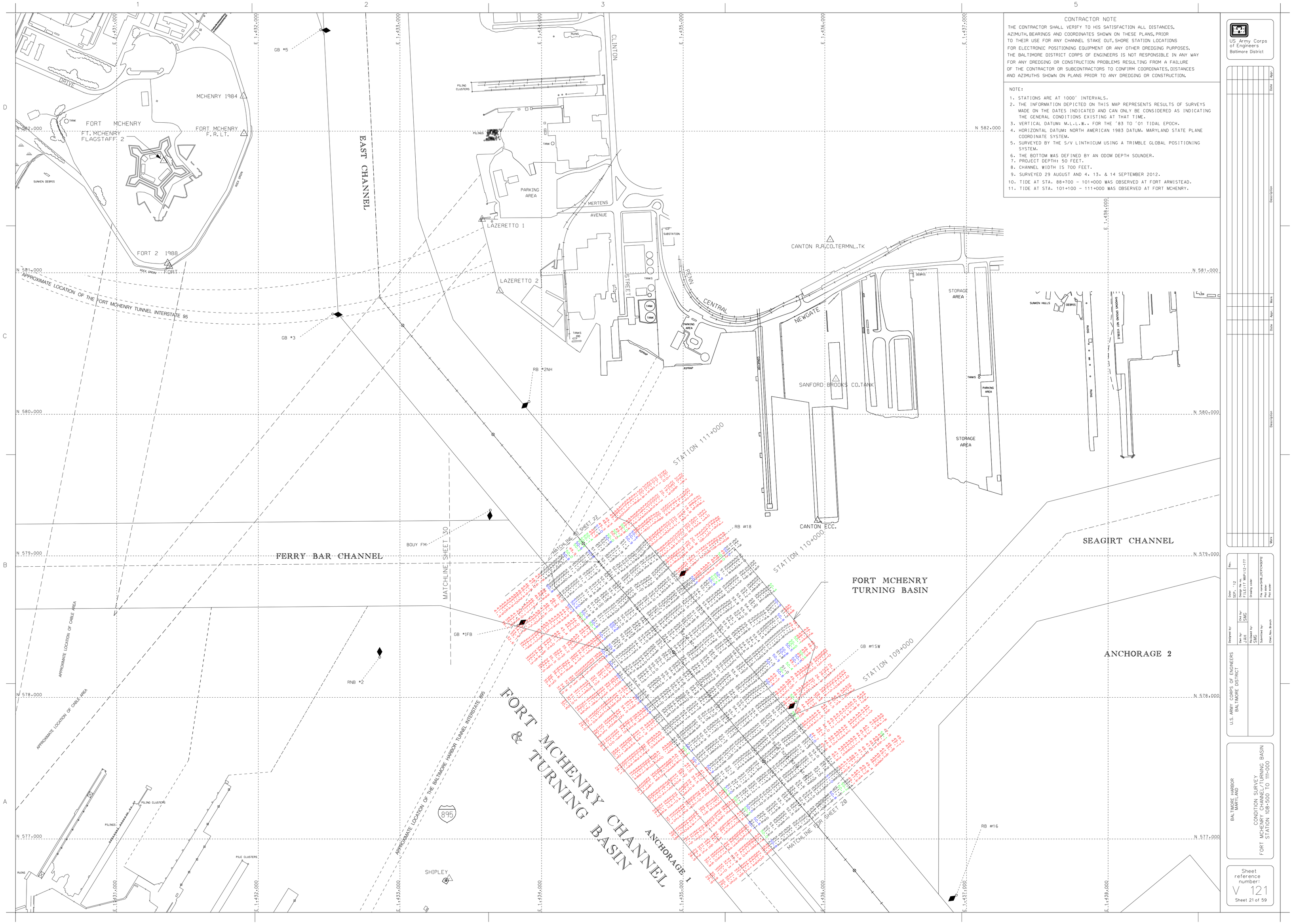
US Army Corps of Engineers
Baltimore District

Appr.	Date	Description



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US Army Corps of Engineers
Baltimore District

Appr. | Date | Description
Mark | Appr. | Date | Description

Designed by:
Drawn by: SMC
Checked by: SMC
Submitted by:
Chief, Nav. Branch

Cad file: SMC
Date: 12
Design file no.
Drawing name:
Rev.
Plot date:
Plot scale:
File name:

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
FORT MCHENRY CHANNEL & TURNING BASIN
STATION 108+500 TO 111+000

Sheet reference number:
V 121
Sheet 21 of 59