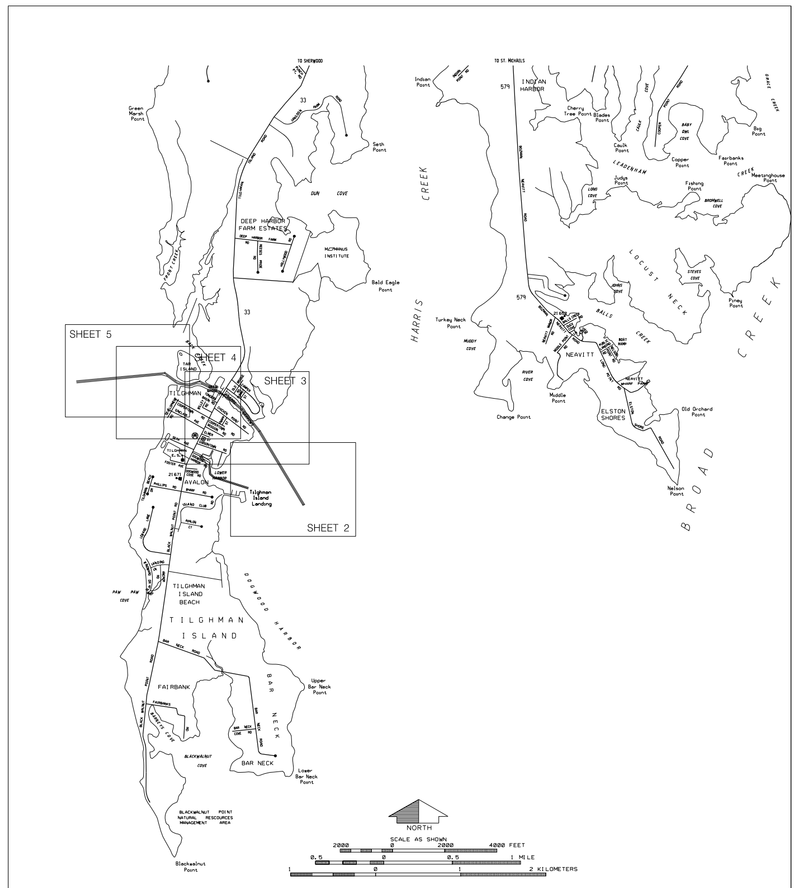
CONDITION SURVEY

KNAPPS NARROWS

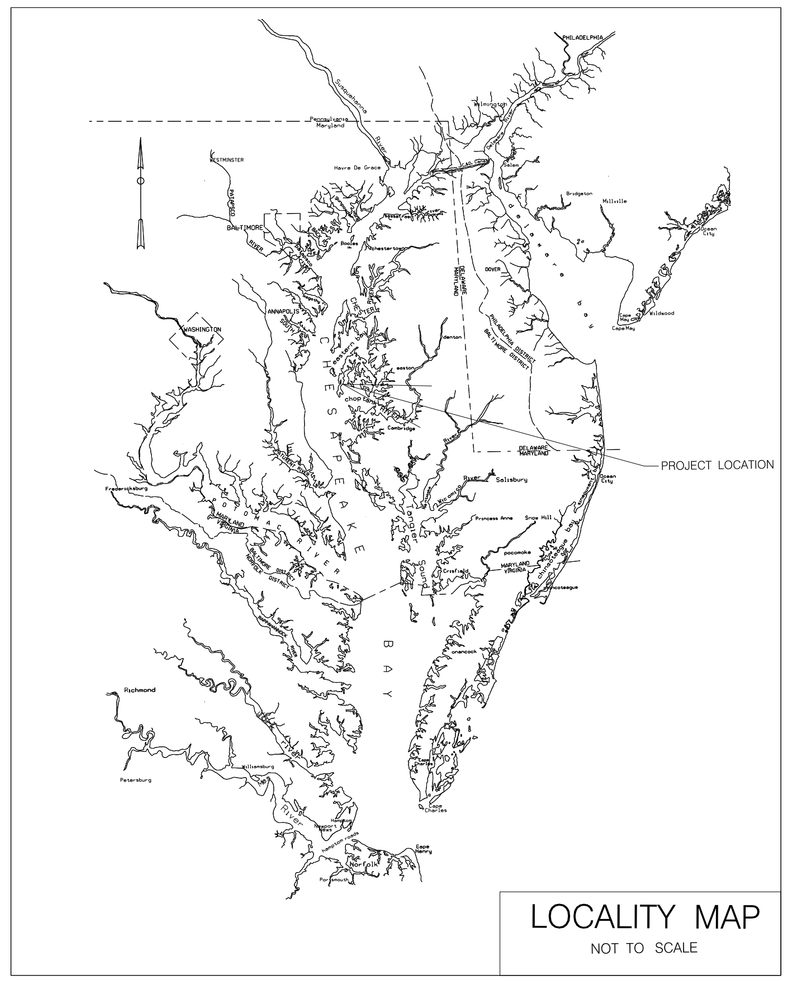
TALBOT COUNTY, MARYLAND



VICINITY MAP

INDEX OF DRAWINGS

TITLE	FILE & MAP NO.	SHEET NO.
COVER SHEET	FILE:45 MAP:14-001	1
KNAPPS NARROWS STA. 0+000 TO 2+300	FILE:45 MAP:14-002	2
KNAPPS NARROWS STA. 2+400 TO 6+400	FILE:45 MAP:14-003	3
KNAPPS NARROWS STA. 6+500 TO 9+800	FILE:45 MAP:14-004	4
KNAPPS NARROWS STA. 9+900 TO 11+200	FILE:45 MAP:14-005	5



LOCALITY MAP

NOT TO SCALE

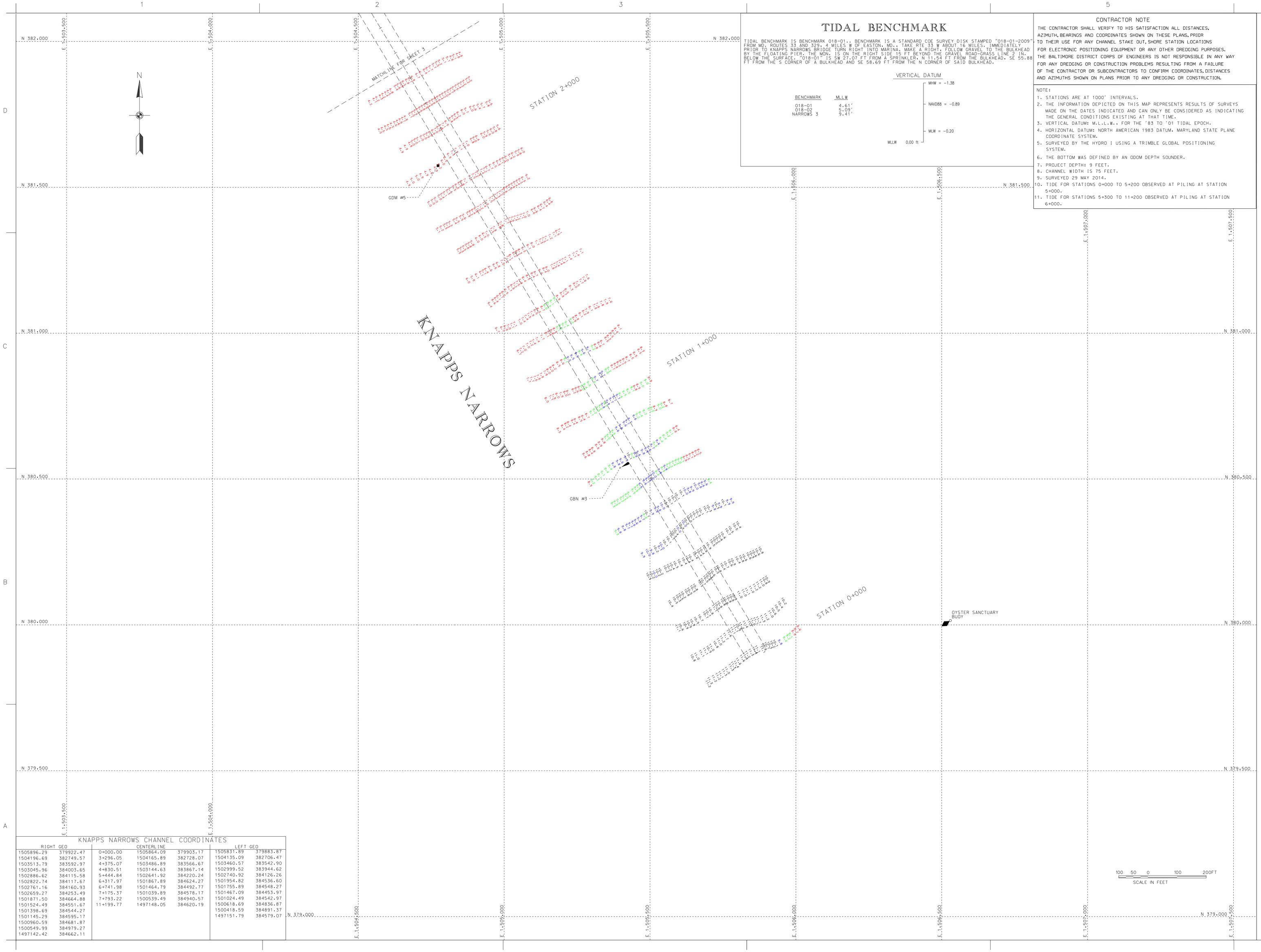
US Army Corps of Engineers
Baltimore District

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

TALBOT COUNTY, MARYLAND

CONDITION SURVEY
KNAPPS NARROWS
COVER SHEET

Sheet reference number:
V-101
Sheet 1 of 5



TIDAL BENCHMARK

TIDAL BENCHMARK IS BENCHMARK 018-01.. BENCHMARK IS A STANDARD COE SURVEY DISK STAMPED "018-01-2009" FROM MD. ROUTES 33 AND 329. 4 MILES W OF EASTON, MD. TAKE RTE 33 W ABOUT 16 MILES. IMMEDIATELY PRIOR TO KNAPPS NARROWS BRIDGE TURN RIGHT INTO MARINA. MAKE A RIGHT. FOLLOW GRAVEL TO THE BULKHEAD BY THE FLOATING PIER. THE MON. IS ON THE RIGHT SIDE 15 FT BEYOND THE GRAVEL ROAD-GRASS LINE.2 IN. BELOW THE SURFACE. 018-01 IS SW 27.07 FT FROM A SPRINKLER. N 11.54 FT FROM THE BULKHEAD. SE 55.88 FT FROM THE S CORNER OF A BULKHEAD AND SE 58.69 FT FROM THE N CORNER OF SAID BULKHEAD.

VERTICAL DATUM

BENCHMARK	MLLW
018-01	4.61'
018-02	5.09'
NARROWS 3	9.41'

MHW = -1.38
NAVD88 = -0.89
MLW = -0.20
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:

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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 HYDRO I USING A TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN ODOM DEPTH SOUNDER.
7. PROJECT DEPTH: 9 FEET.
8. CHANNEL WIDTH IS 75 FEET.
9. SURVEYED 29 MAY 2014.
10. TIDE FOR STATIONS 0+000 TO 5+200 OBSERVED AT PILING AT STATION 5+000.
11. TIDE FOR STATIONS 5+300 TO 11+200 OBSERVED AT PILING AT STATION 6+000.

KNAPPS NARROWS CHANNEL COORDINATES

RIGHT GEO		CENTERLINE				LEFT GEO	
1505896.29	379922.47	0+000.00	1505864.09	379903.17		1505831.89	379883.87
1504196.69	382749.57	3+296.05	1504165.89	382728.07		1504135.09	382706.47
1503513.79	383592.97	4+375.07	1503486.89	383566.67		1503460.57	383542.90
1503045.96	384003.65	4+830.51	1503144.63	383867.14		1502999.52	383944.62
1502886.62	384115.58	5+444.84	1502641.92	384220.24		1502740.92	384126.26
1502822.74	384117.67	6+317.97	1501867.89	384624.27		1501954.82	384536.60
1502761.16	384160.93	6+741.98	1501464.79	384492.77		1501755.89	384548.27
1502659.27	384253.49	7+175.37	1501039.89	384578.17		1501467.09	384453.97
1501871.50	384664.88	7+793.22	1500539.49	384940.57		1501024.49	384542.97
1501524.49	384551.67	11+199.77	1497148.05	384620.19		1500618.69	384836.87
1501398.69	384544.27					1500418.59	384891.37
1501145.29	384595.17					1497151.79	384579.07
1500960.59	384681.87						
1500549.99	384979.27						
1497142.42	384662.11						

US Army Corps of Engineers
Baltimore District

Mark	Appr.	Date	Description

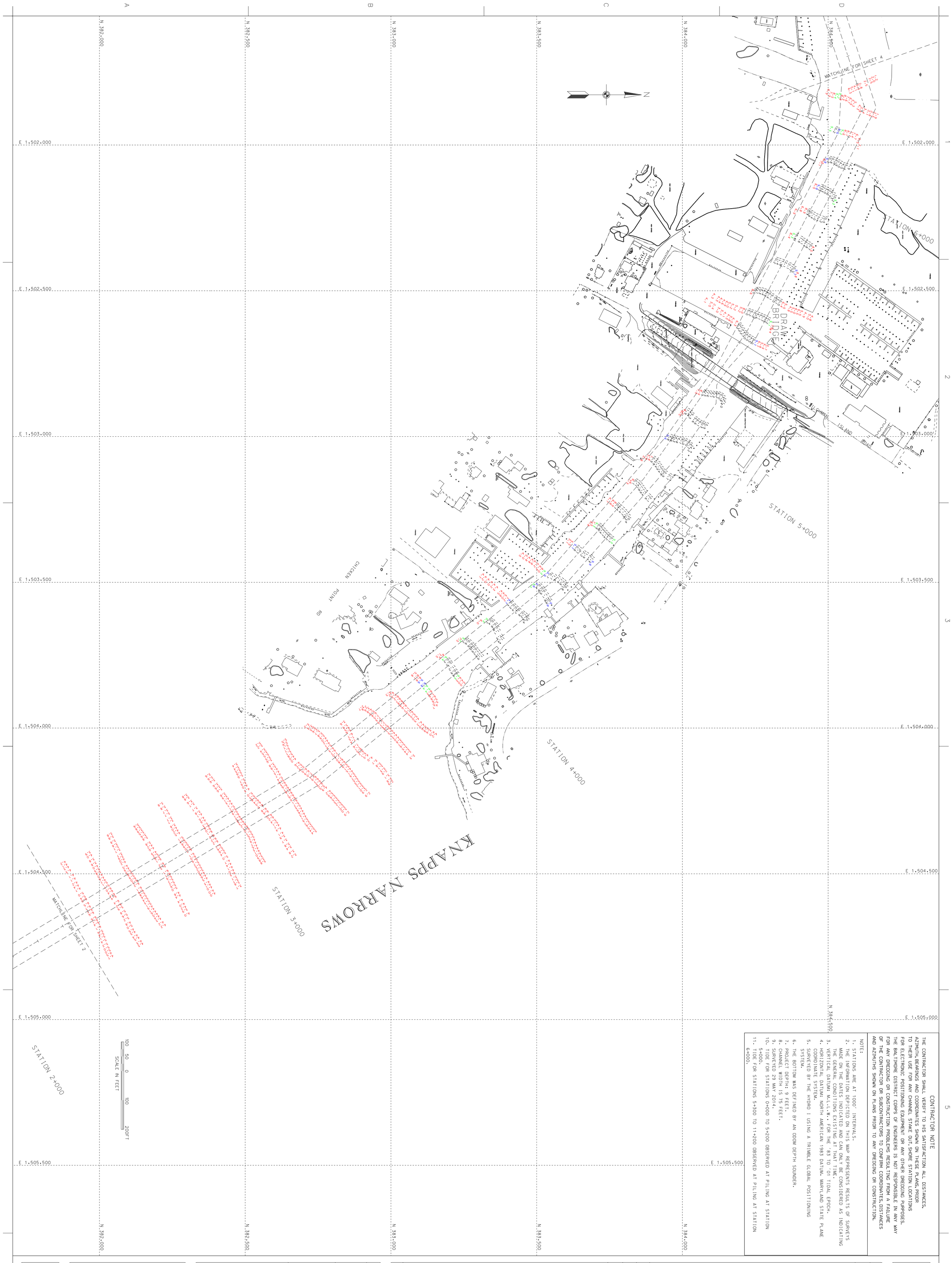
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by: | Drawn by: JJW | Checked by: SMC | Submitted by: | Date: JUNE '14 | Scale: | Project File No. 1-503-14-002 | Drawing number | File name/Path: CHESAPEAKE | Plot date | File name | Rev.

TALBOT COUNTY
MARYLAND

CONDITION SURVEY
KNAPPS NARROWS
STATION 0+000 TO 2+300

Sheet reference number:
V-102
Sheet 2 of 5



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7. PROJECT DEPTH: 9 FEET.
8. CHANNEL WIDTH IS 75 FEET.
9. SURVEYED 29 MAY 2014.
10. TIDE FOR STATIONS 0+000 TO 5+200 OBSERVED AT PILING AT STATION 5+000.
11. TIDE FOR STATIONS 5+300 TO 11+200 OBSERVED AT PILING AT STATION 6+000.

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: JUNE '14 — Rev.
Dwn by: JAH	Ckd by: SMG	Design file no. FILE:45 MAP:14-003
Reviewed by: SMG		Drawing code:
Submitted by:		File name=SH01_05C01MAY2014
Chief, Nav. Branch		Plot date:
		Plot scale:

TALBOT COUNTY
MARYLAND

CONDITION SURVEY
KNAPPS NARROWS
STATION 2+400 TO 6+400

Sheet reference number: V-103
Sheet 3 of 5

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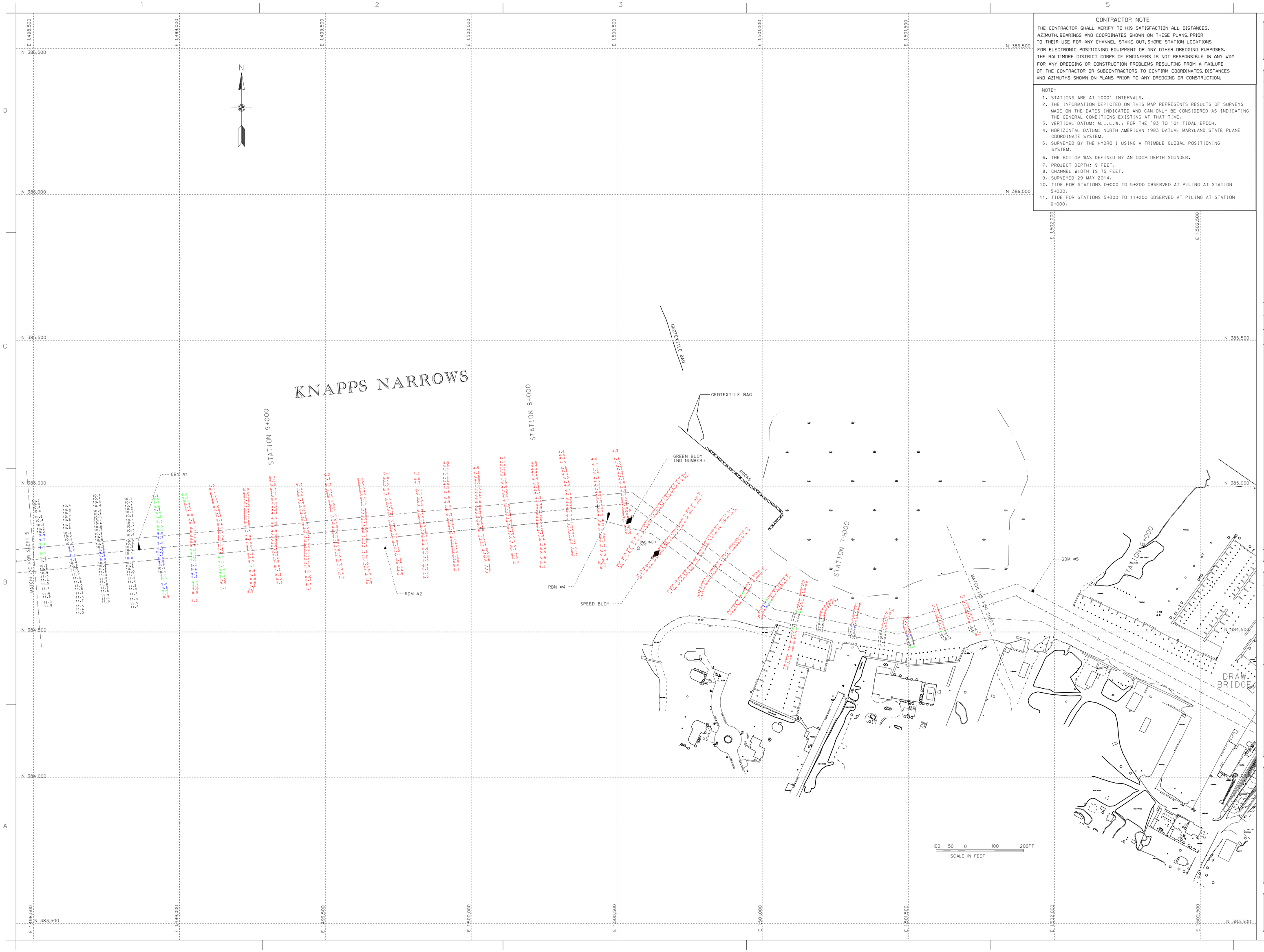


US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

Mark	Description	Date	Appr.

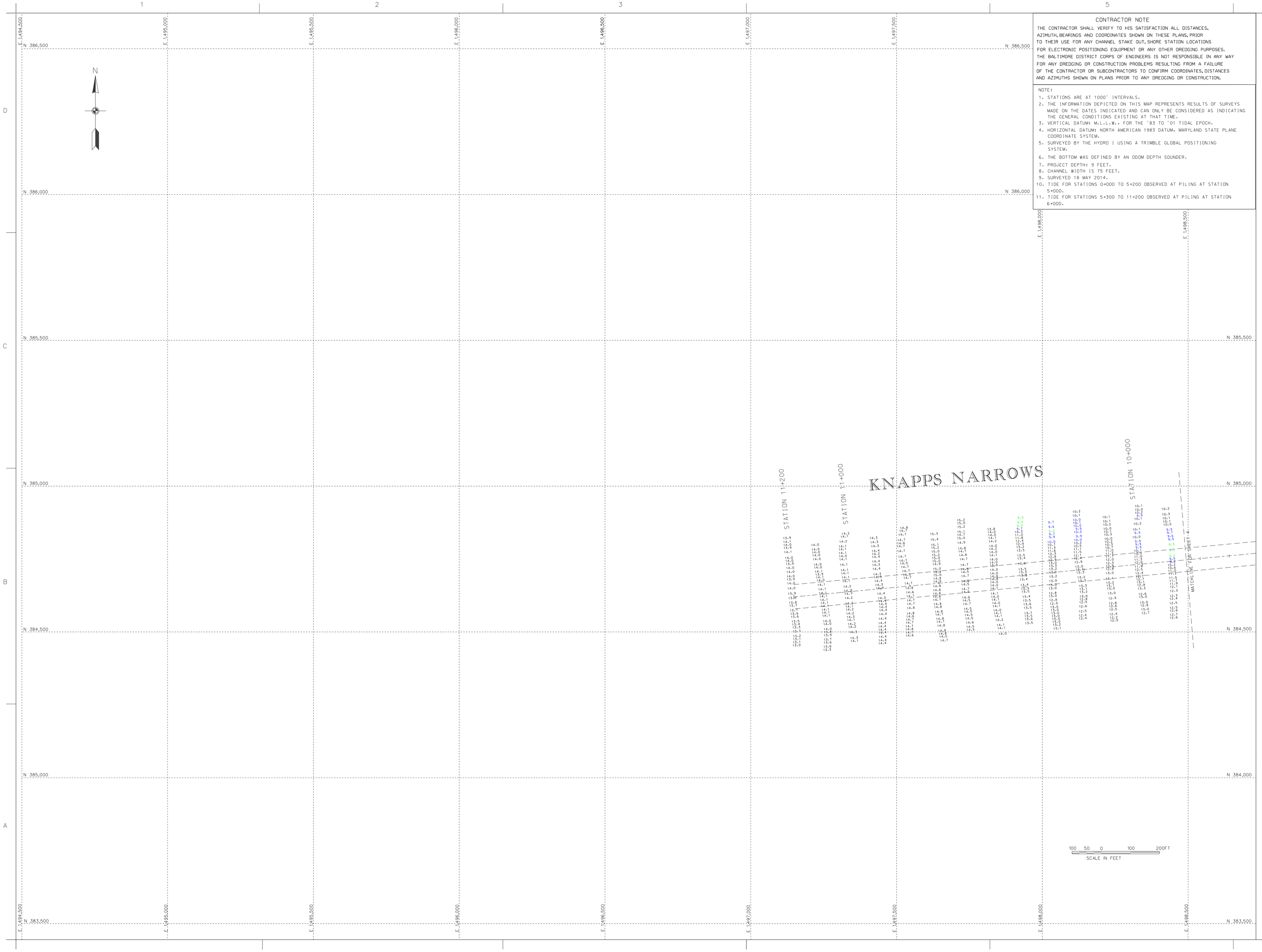
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:
Date by: JUNE '14
Drawn by: CMD
Checked by:
Plot date:
Plot scale:
Date / Sec. Branch:
Submitted by:
Chief, Sec. Branch:
Project File Name: V104-S4-D04
File Location: G:\CONDITIONS\
Drawing name:

TALBOT COUNTY
MARYLAND

CONDITION SURVEY
KNAPPS NARROWS
STATION 6+500 TO 9+800

Sheet reference number:
V-104
Sheet 4 of 5



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9. SURVEYED 18 MAY 2014.
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11. TIDE FOR STATIONS 5+300 TO 11+200 OBSERVED AT PILING AT STATION 6+000.

US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:
Drawn by: JLM
Checked by: SMG
Submitted by:
Date, Time, Scale:
Date: JUNE '14
Plotted by: JLM
Drawing name:
File name: KNAPP14-008
Plot date:
Plot time:

TALBOT COUNTY
MARYLAND

CONDITION SURVEY
KNAPPS NARROWS
STATION 9+900 TO 11+200

Sheet reference number:
V-105
Sheet 5 of 5