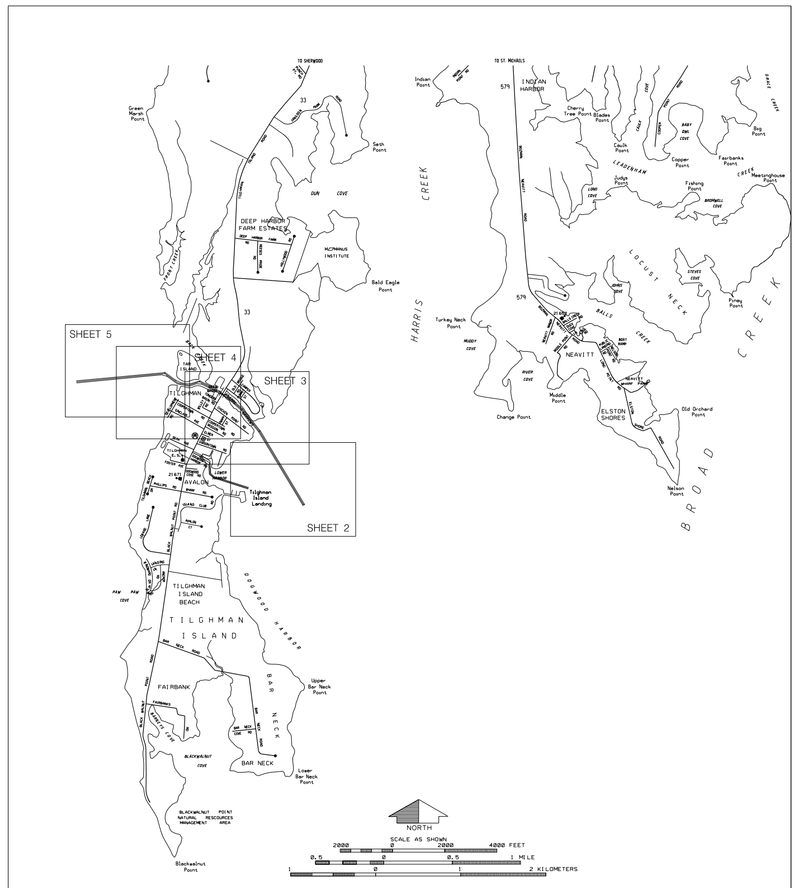
CONDITION SURVEY

KNAPPS NARROWS

TALBOT COUNTY, MARYLAND



VICINITY MAP

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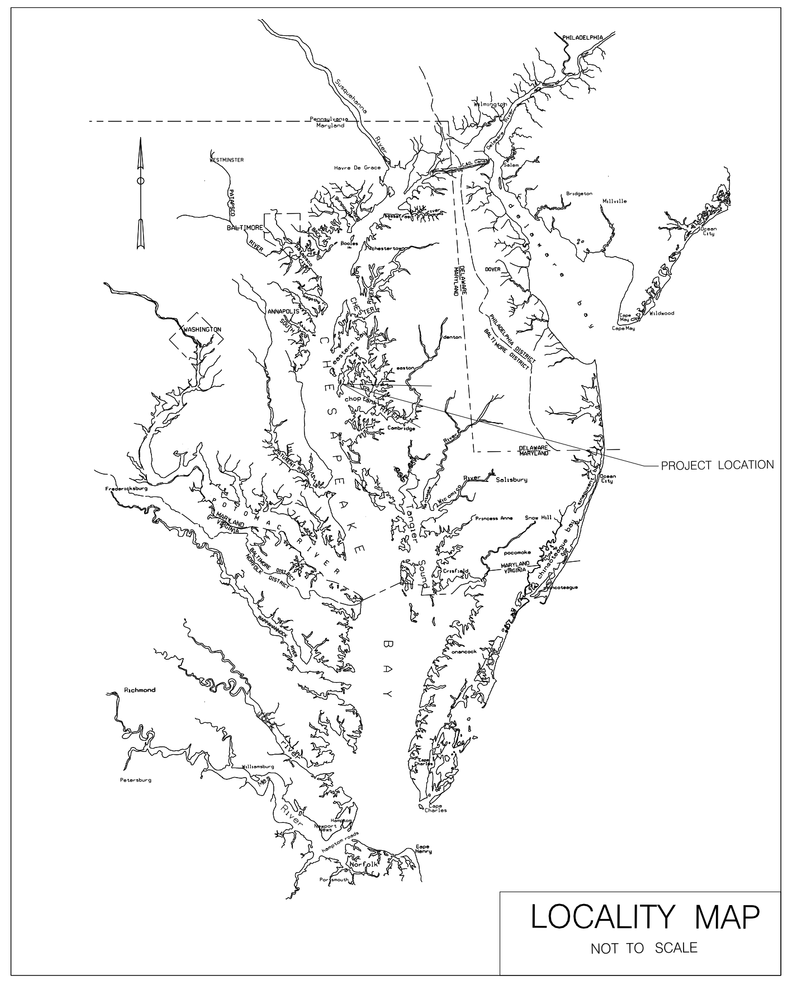
KNAPPS NARROWS STA. 2+400 TO 6+400	FILE:45 MAP:12-112	3
KNAPPS NARROWS STA. 6+500 TO 9+800	FILE:45 MAP:12-113	4
KNAPPS NARROWS STA. 9+900 TO 11+200	FILE:45 MAP:12-114	5



LOCALITY MAP

NOT TO SCALE

US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

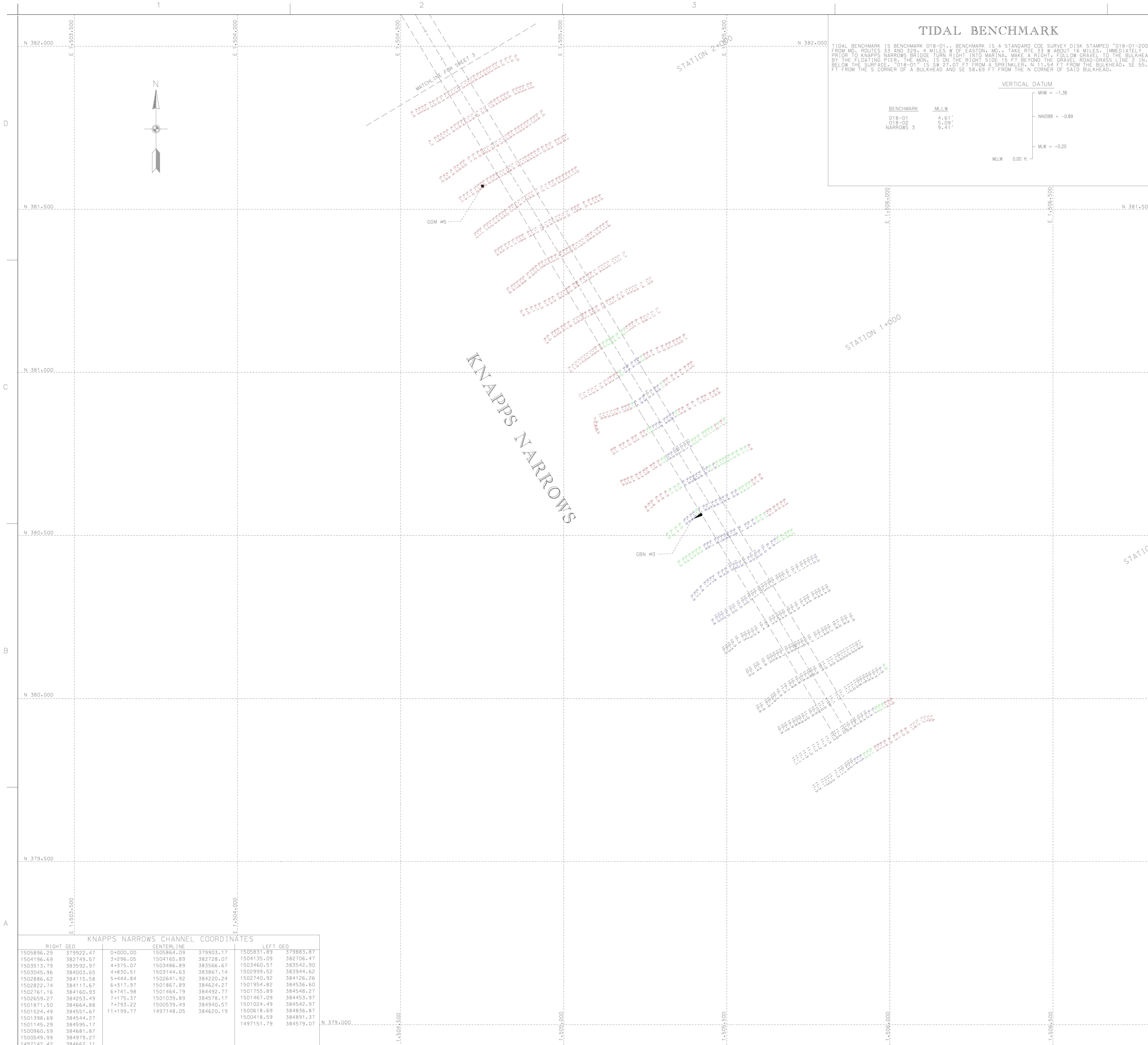
Designed by:
Dwn by: JAH
Ckd by: SMG
Reviewed by:
Submitted by:
Chief, Nav. Branch

Date: SEP. 12
Rev.
Scale: AS SHOWN
Drawing No. FILE:45 MAP:12-110
Drawing scale
File name:SHEET0001.DWG
Plot date
Plot scale

TALBOT COUNTY, MARYLAND

CONDITION SURVEY
KNAPPS NARROWS
COVER SHEET

Sheet reference number:
V-001
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.

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

VERTICAL DATUM

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 II 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 24 JULY 2012.
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	Description	Date	Appr.	Mark	Description	Date	Appr.

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:	Date: SEP. '12	Rev.
Dwn by: JAH / Ckd by: SMG	Design file no. FILE:45 MAP:12-111	
Reviewed by: SMG	Drawing code:	
Submitted by: Chief, Nav. Branch	File name: SH01_05C018JUL2012 / Plot date: / Plot scale:	

TALBOT COUNTY
MARYLAND

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

Sheet reference number:
V 102
Sheet 2 of 5

CONTRACTOR NOTE

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Sheet reference number: V 103
Sheet 3 of 5

TALBOT COUNTY
MARYLAND

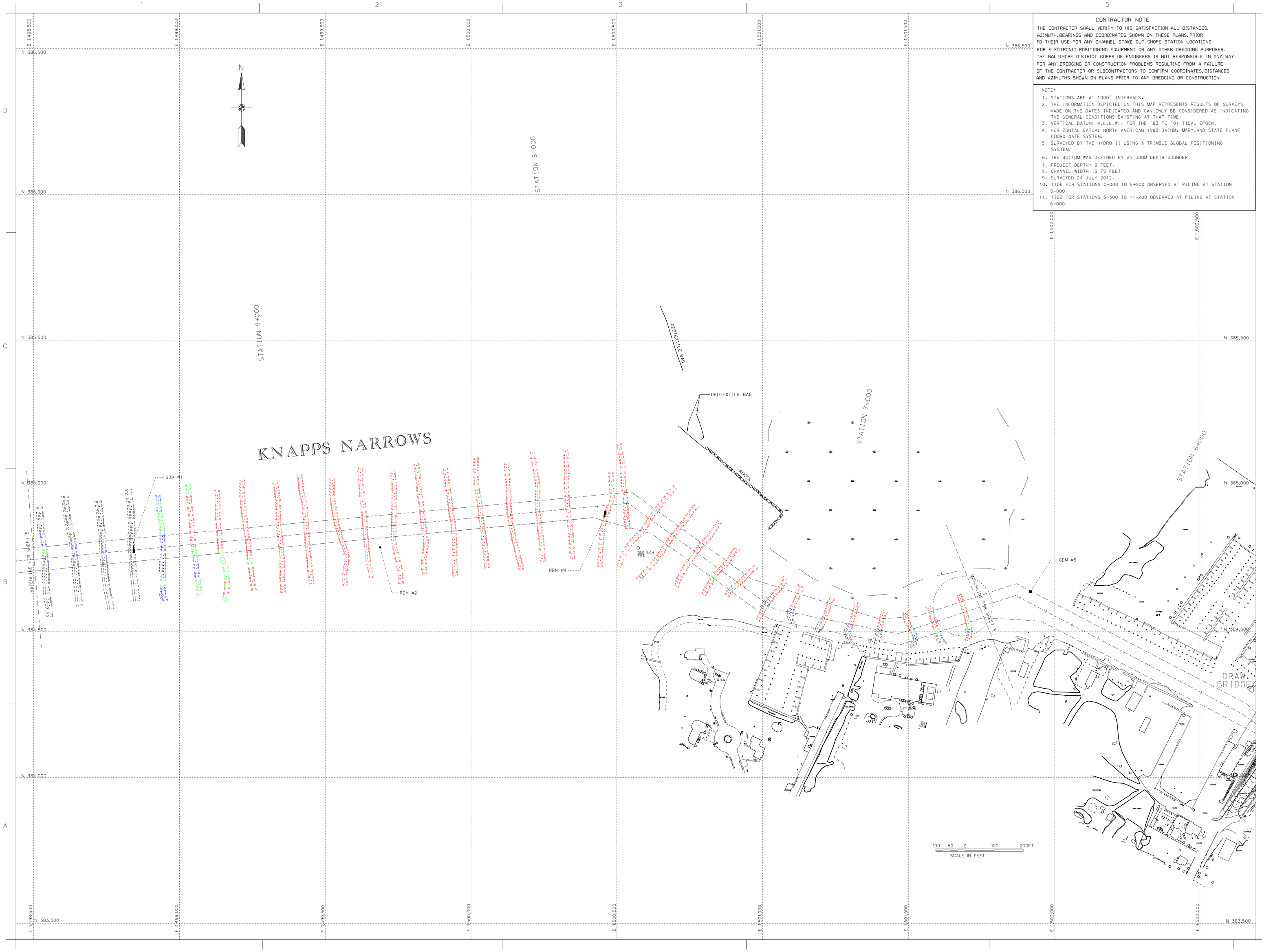
CONDITION SURVEY
KNAPPS NARROWS
STATION 2+400 TO 6+400

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:		Date: SEP. '12	Rev.
Dwn by: JAH	Ckd by: SMG	Design file no. FILE:45 MAP:12-112	
Reviewed by: SMG		Drawing code:	
Submitted by:		File name:SH01_05C018JUL2012	
Chief, Nav. Branch		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

Scale: SEP. 1:2
Date: 2012
Plotted By: SMD
Plotted On: 2012-12-13
Drawing Name:
File Name: PHASE1-CONDMAP.DGN
Plot Date:
Plot Time:

Designed by:
Date by: 2012
Drawn by: SMD
Checked by:
Approved by:
Chief, Navig. Branch

TALBOT COUNTY
MARYLAND

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

Sheet reference number:
V 104
Sheet 4 of 5

CONTRACTOR NOTE

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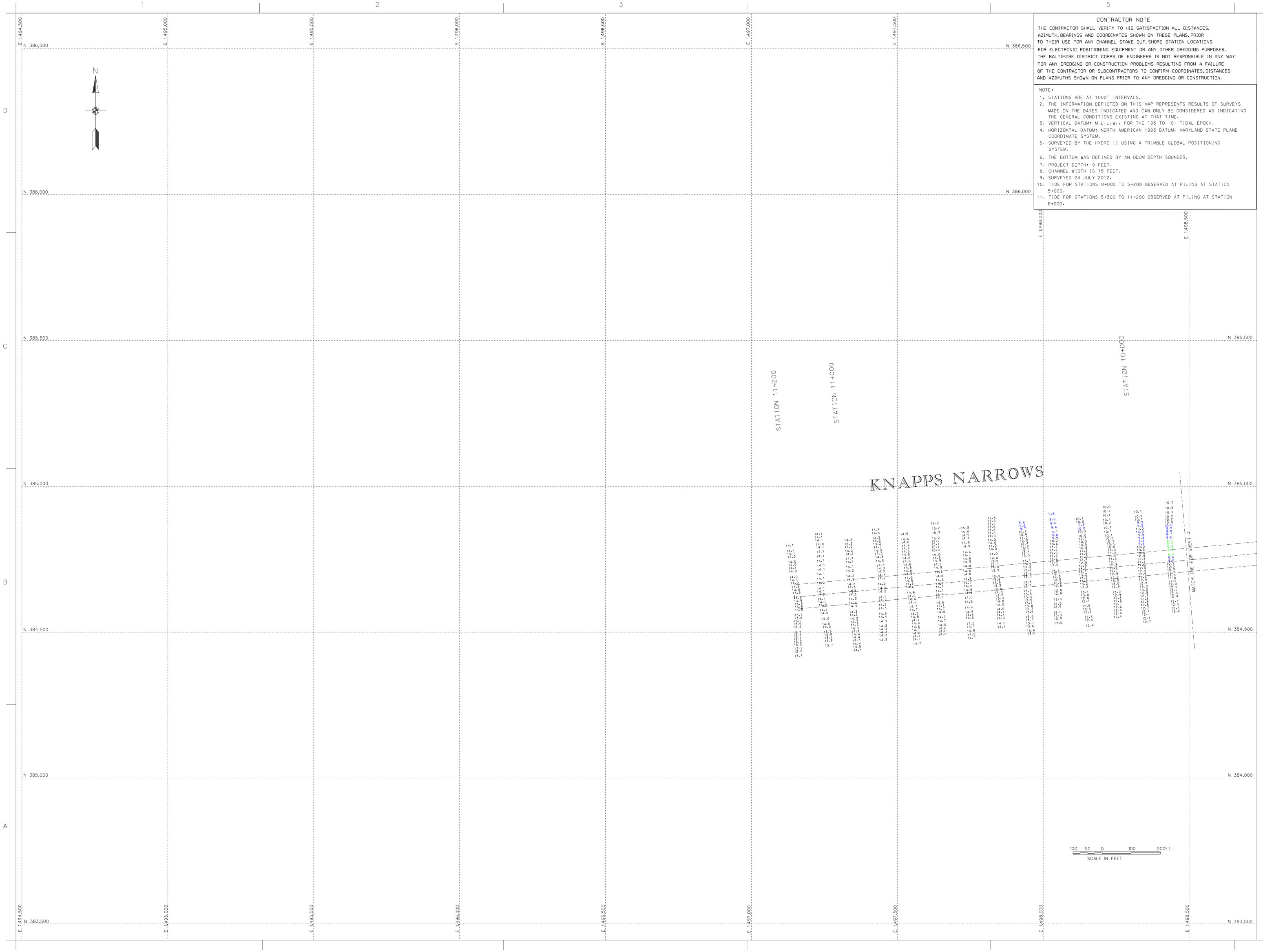

US Army Corps of Engineers
Baltimore District

Symbol	Date	Description	Mark	Appr.

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:
Date by: JUL '12
Checked by: SMG
Submitted by:
Approved by:
Chief by: SMG
Date: SEP. '12
Plotted On Plot Date: 12-1-14
Drawing name:
Fn: HNAPPS01_0500NA5.DGN
Plot date:
File name:
Rev.

TALBOT COUNTY
MARYLAND

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

Sheet reference number:
V 105
Sheet 5 of 5