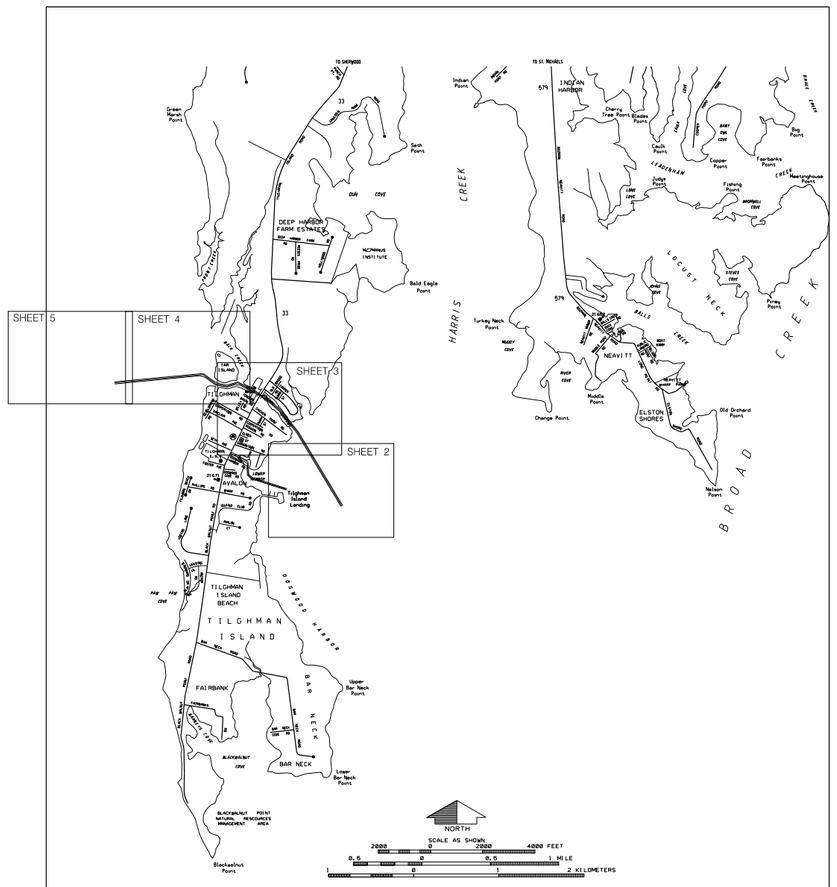
CONDITION SURVEY

KNAPPS NARROWS

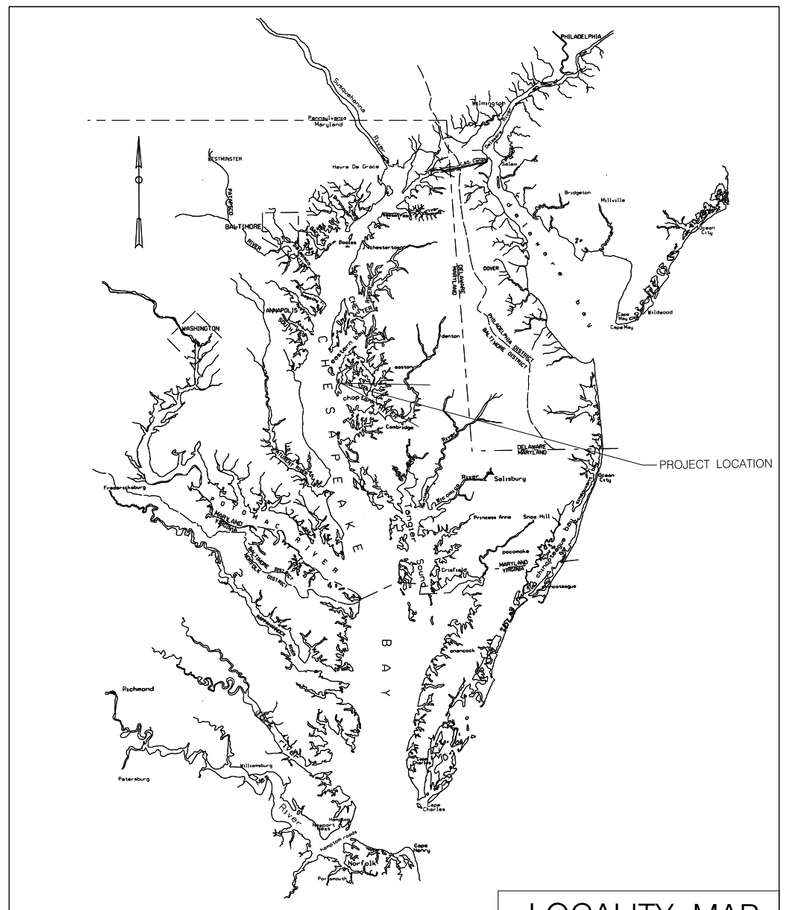
TALBOT COUNTY, MARYLAND



VICINITY MAP

INDEX OF DRAWINGS

TITLE	FILE & MAP NO.	SHEET NO.
COVER SHEET	FILE:45 MAP:15-001	1
KNAPPS NARROWS STA. 0+000 TO 2+300	FILE:45 MAP:15-002	2
KNAPPS NARROWS STA. 2+400 TO 6+400	FILE:45 MAP:15-003	3
KNAPPS NARROWS STA. 6+500 TO 9+800	FILE:45 MAP:15-004	4
KNAPPS NARROWS STA. 9+900 TO 11+200	FILE:45 MAP:15-005	5



LOCALITY MAP

NOT TO SCALE

US Army Corps of Engineers Baltimore District

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

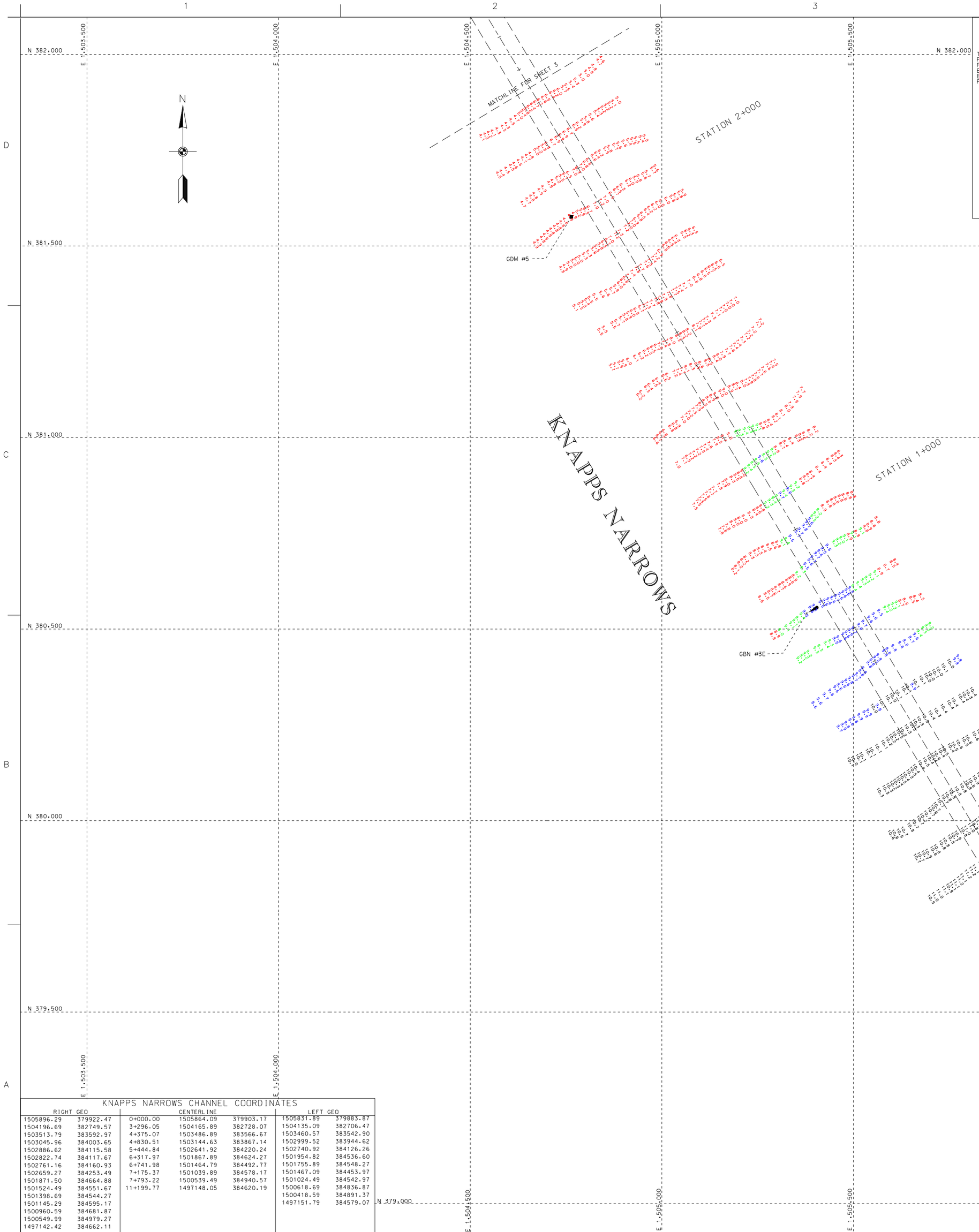
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed for: SMG
Date: APRIL '15
Drawn by: JAH
Checked by: SMG
Reviewed by: SMG
Submitted by:
Chief, Nav. Branch
File name:PHL_DOCS\MAPS\015
Plot date:
Plot scale:
Drawing code:
Rev.

TALBOT COUNTY, MARYLAND

CONDITION SURVEY
KNAPPS NARROWS
COVER SHEET

Sheet reference number:
V-101
Sheet 1 of 7



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	4.60'
018-02	5.07'
NARROWS 3	9.44'

VERTICAL DATUM

MHW = 1.35
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:

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 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 24 & 25 MARCH 2015.

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.

Designed for: Dwn for JAH; Dwn for SMG; Reviewed for SMG; Submitted for Chief, Nav. Branch

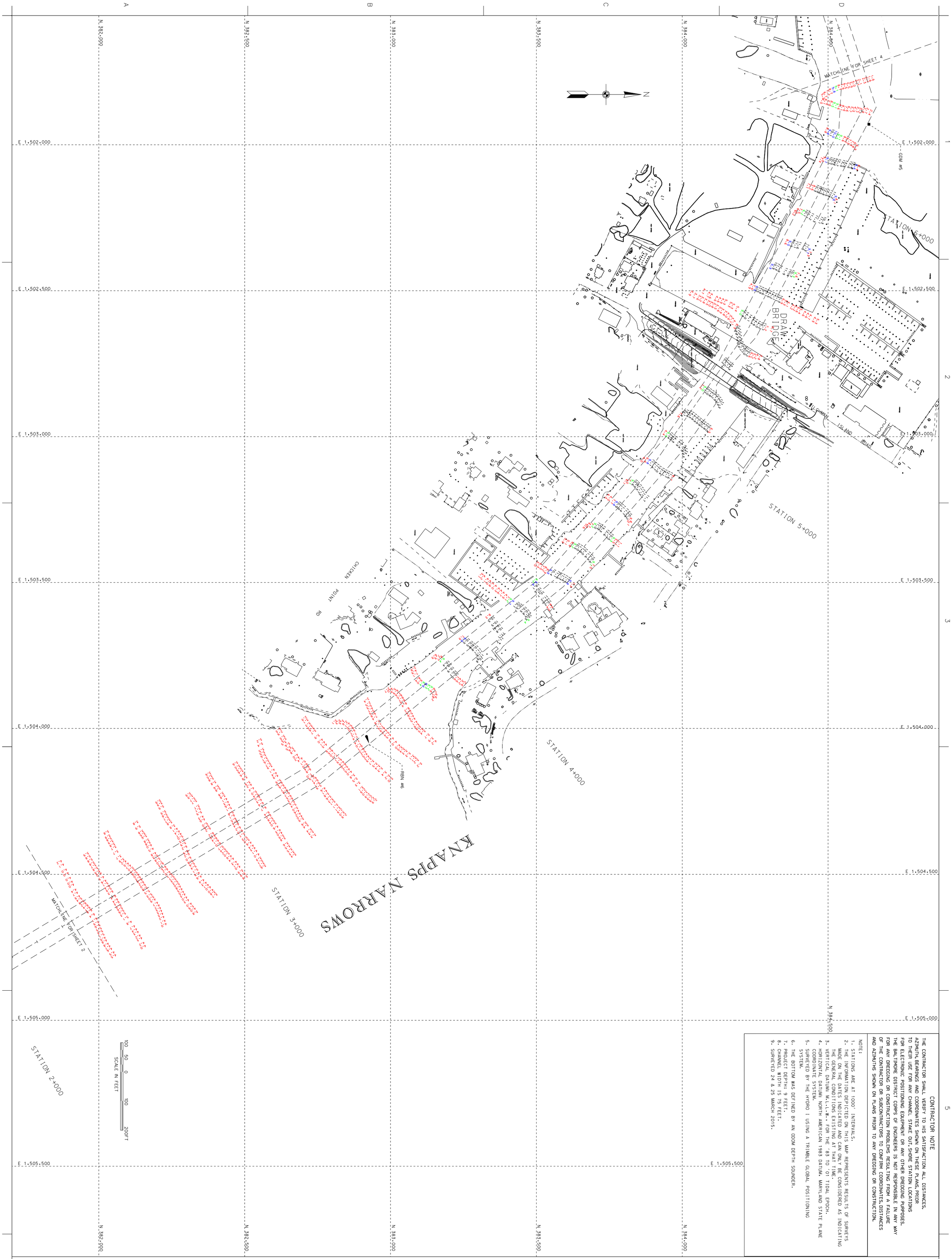
Date: APRIL '15; File No: FILE PA: NAB'15-002; Drawing Code:; File name/PWC: DACONBA0CB; Plot date:; Plot scale:

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

TALBOT COUNTY
MARYLAND

CONDITION SURVEY
KNAPPS NARROWS
STATION 0+000 TO 22+300

Sheet reference number:
V-102
Sheet 2 of 5



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 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 24 & 25 MARCH 2015.

US Army Corps of Engineers Baltimore District

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

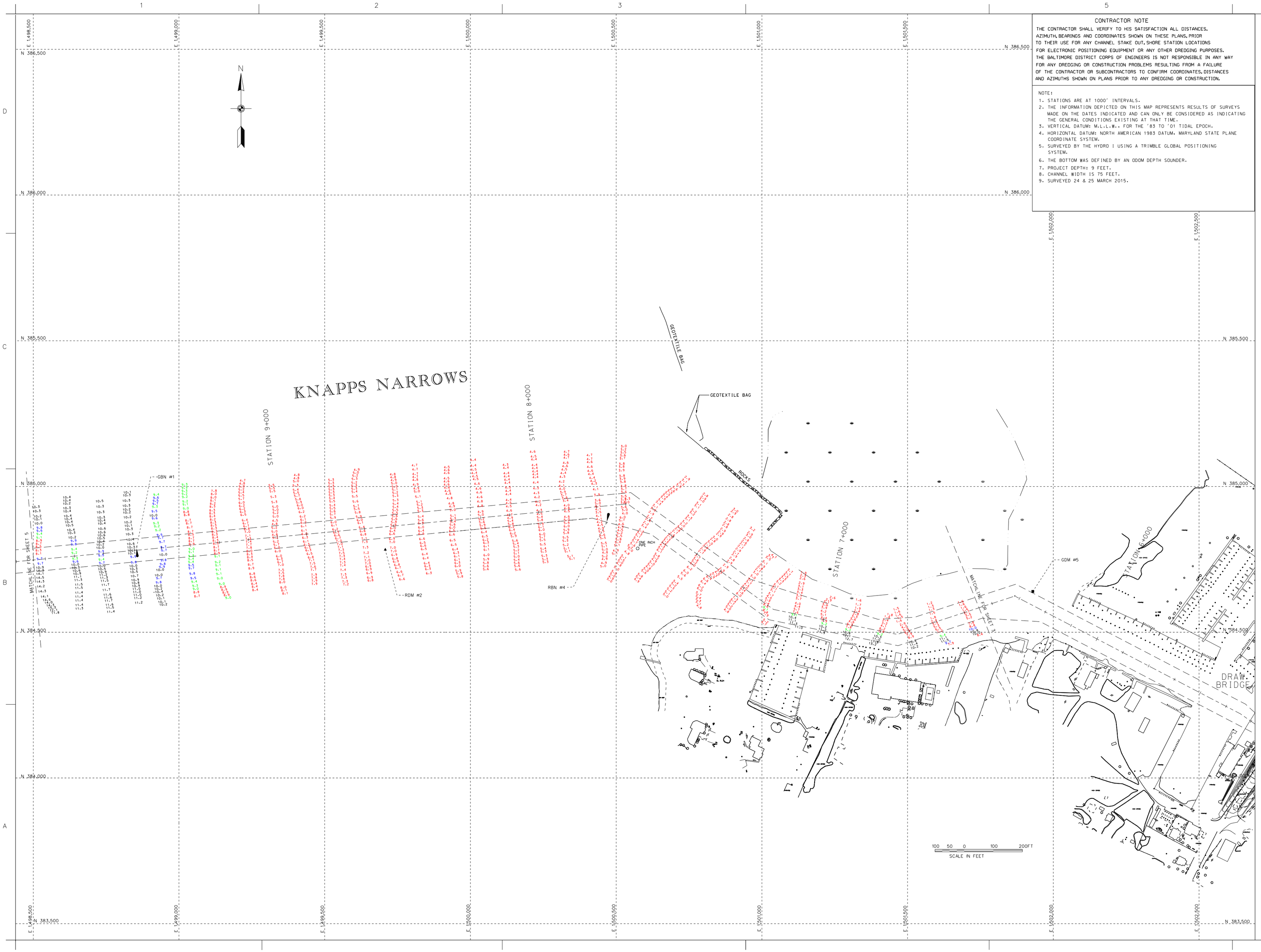
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:		Date: APRIL '15 — Rev.
Dwn by: JAH	Ckd by: SMG	Design file no.: FILE:45 MAP:15-003
Reviewed by: SMG		Drawing code:
Submitted by: Chief, Nav. Branch		File name:SHO1_05C018MAR2015 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



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 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 24 & 25 MARCH 2015.

US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

Mark	Description	Date	Appr.

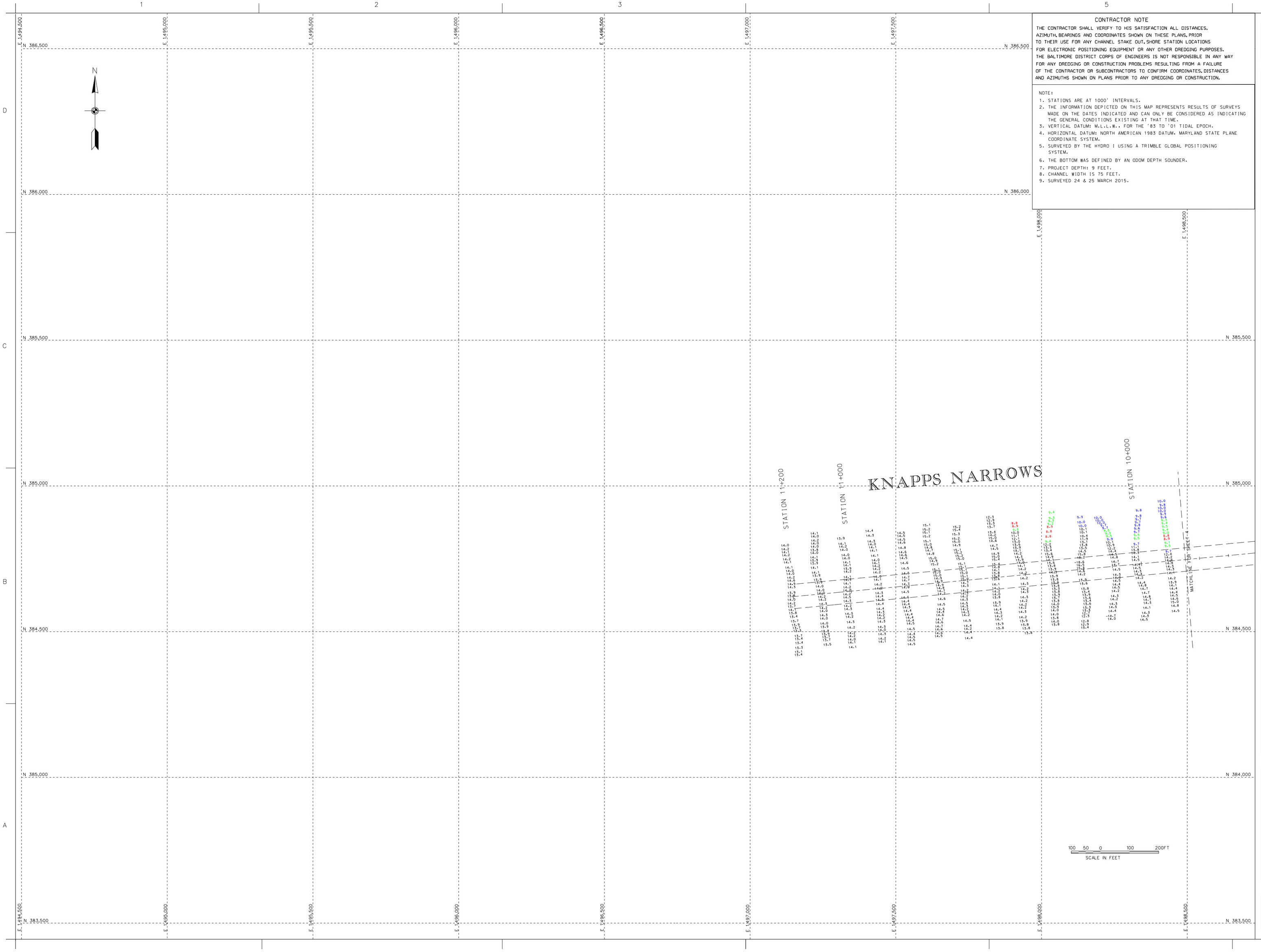
Date: APRIL 15
Scale: 1" = 40'
FILE NO: MAY15-004
Rev.:
Drawn by: JAH
Designed by: SMD
Reviewed by: SMD
Submitted by:
Drawing code:
File name/dirs: DECTBMAPS
Plot scale:
Plot order:
Chief, Nav. Branch

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

TALBOT COUNTY
MARYLAND

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

Sheet reference number:
V-104
Sheet 4 of 5



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 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 24 & 25 MARCH 2015.

US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

Mark	Description	Date	Appr.

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed for:
Drawn by: JAH
Checked by: SMG
Reviewed by: SMG
Submitted by:
Chief, Nav. Branch

Date: APRIL 15
Rev.
File No. FILE:HR MAP:15-005
Drawing code:
File name:DVC_DOCUMENT25
Plot date:
Plot scale:

TALBOT COUNTY
MARYLAND

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

Sheet reference number:
V-105
Sheet 5 of 5