US Army Corps of Engineers
Baltimore District

Sym	Description	Date	Apr

Sym	Description	Date	Apr

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

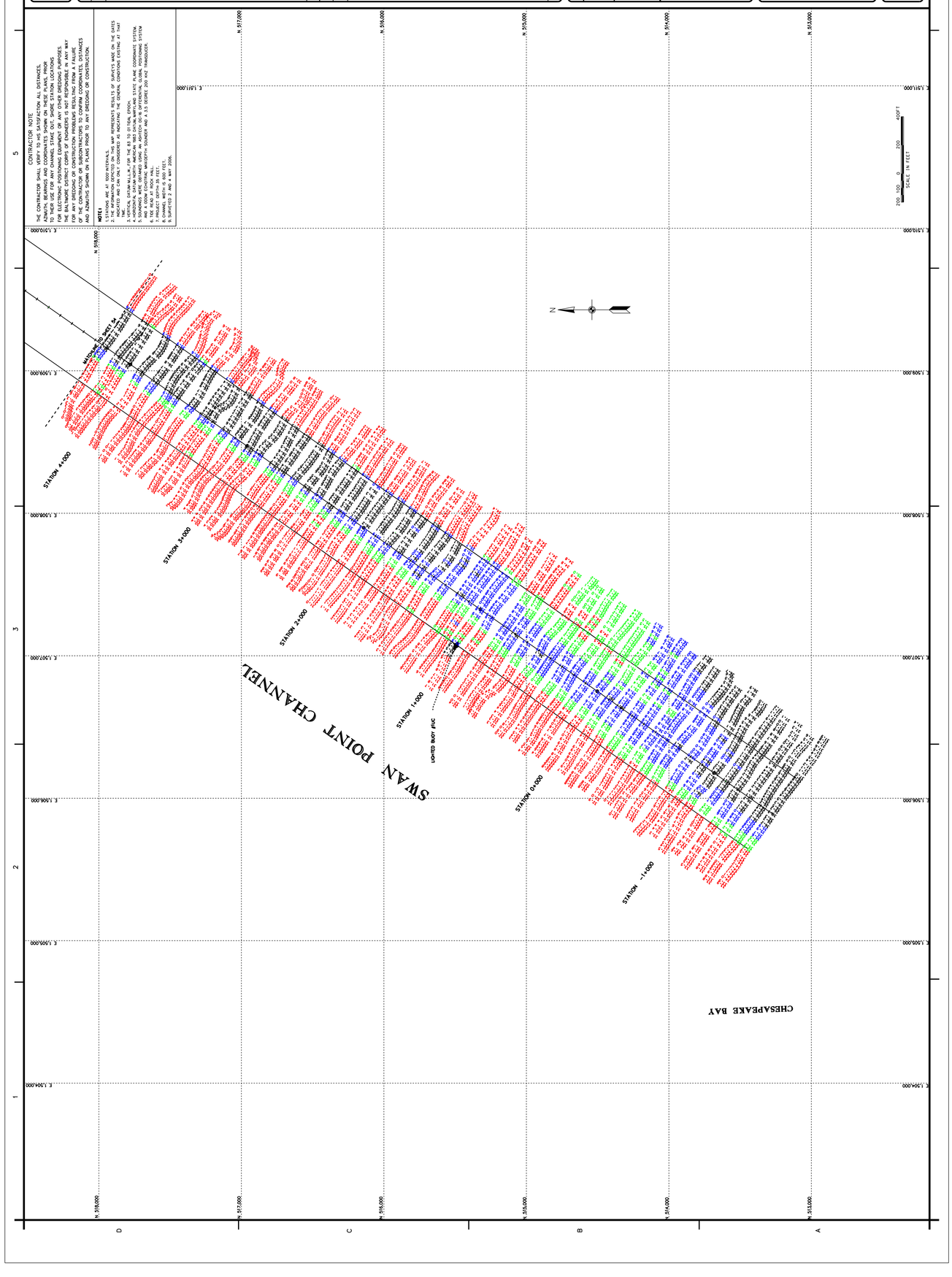
Designed by: Date: SEP - 06
Drawn by: MSB
Checked by: Plot date: Thursday, September 21, 2006 7:11:17 PM
Reviewed by: Plot scale: 1=200
Drawing Leader: Chief, Tech. Div.

BALTIMORE HARBOR
MARYLAND
CONDITION SURVEY
SWAN POINT CHANNEL
STATION -1+500 TO 4+900

Sheet reference number
V 15.3
Sheet 3 of 38

CONTRACTOR NOTE
THE CONTRACTOR SHALL VERIFY ALL CONSTRUCTION ALL DISTANCES, AZIMUTH, BEARINGS AND COORDINATES SHOWN ON THESE PLANS, PRIOR TO THEIR USE FOR ANY CHANNEL STAKE OUT, SHORE STATION LOCATIONS OR SURVEY PURPOSES. THE CONTRACTOR SHALL BE ALSO RESPONSIBLE FOR ANY DREDGING OR CONSTRUCTION PROBLEMS RESULTING FROM A FAILURE OF HIS CONSTRUCTION OR SURVEYING PERSONNEL TO VERIFY THE DISTANCES AND AZIMUTHS SHOWN ON PLANS PRIOR TO ANY DREDGING OR CONSTRUCTION.

NOTES:
1. STATIONS ARE AT 500' INTERVALS.
2. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS RESULTS OF SURVEYS MADE ON THE DATES INDICATED. THE DEPTHS SHOWN ARE ACCURATE TO THE TIME OF SURVEY, BUT MAY CHANGE WITH TIME.
3. VERTICAL DATUM:MLLW FOR THE 83 TO 01TIDAL EPOCH.
4. HORIZONTAL DATUM:NORTH AMERICAN 1983 DATUM,MARYLAND STATE PLANE COORDINATE SYSTEM.
5. SURVEY WAS MADE WITH A RESON 8101 MULTIBEAM SONAR SYSTEM, A RESON 8125 SONAR HEAD AND A 200 KHZ TRANSDUCER.
6. CHANNEL WIDTH:0 600 FEET.
7. PROJECT DEPTH:35 FEET.
8. CHANNEL WIDTH:0 600 FEET.
9. SURVEYED: MAY 8 & MAY 9,2006.



U.S. Army Corps of Engineers
Baltimore District

Mark	Date	Description	Mark	Date	Description

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by: | Date: SEP. '06 | Mark:
Drawn by: ZAB | Chk by: WSB | Project file no. FILE: 17 MPI 0014
Reviewed by:
Checking order:
Submitted by: | File name: SWANMPDCR
Chief, Nav. Br./Br.Ch. | Plot date / Plot scale

BALTIMORE HARBOR
WARFIELD
CONDITION SURVEY
SWAN POINT CHANNEL
STATION 4+300 TO 9+500

Sheet reference number: V 154
Sheet 54 of 59

CONTRACTOR NOTE

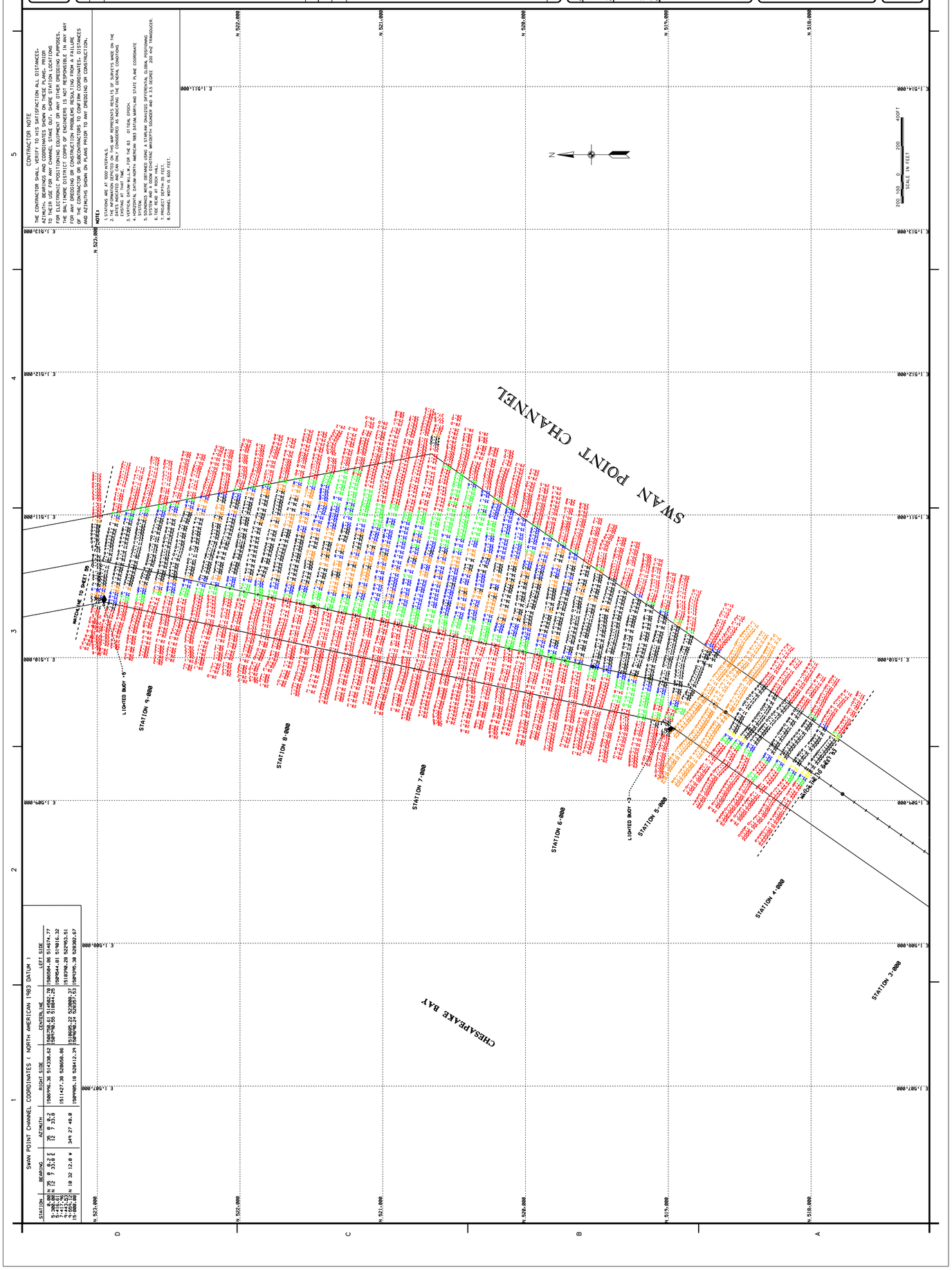
THE CONTRACTOR SHALL VERIFY TO HIS SATISFACTION ALL DISTANCES, AZIMUTH, BEARINGS AND COORDINATES SHOWN ON THESE PLANS, PRIOR TO THE USE OF THE DATA FOR ANY PURPOSE. THE DATA IS PROVIDED ONLY FOR ELECTRONIC POSITIONING EQUIPMENT OR ANY OTHER DREDGING PURPOSES. THE BALTIMORE DISTRICT CORPS OF ENGINEERS IS NOT RESPONSIBLE IN ANY WAY FOR ANY PROBLEMS OR DEFICIENCIES IN THE DATA. THE CONTRACTOR IS RESPONSIBLE OF THE CONTRACTOR OR SUBCONTRACTORS TO CONFIRM COORDINATES, DISTANCES AND AZIMUTHS SHOWN ON PLANS PRIOR TO ANY DREDGING OR CONSTRUCTION.

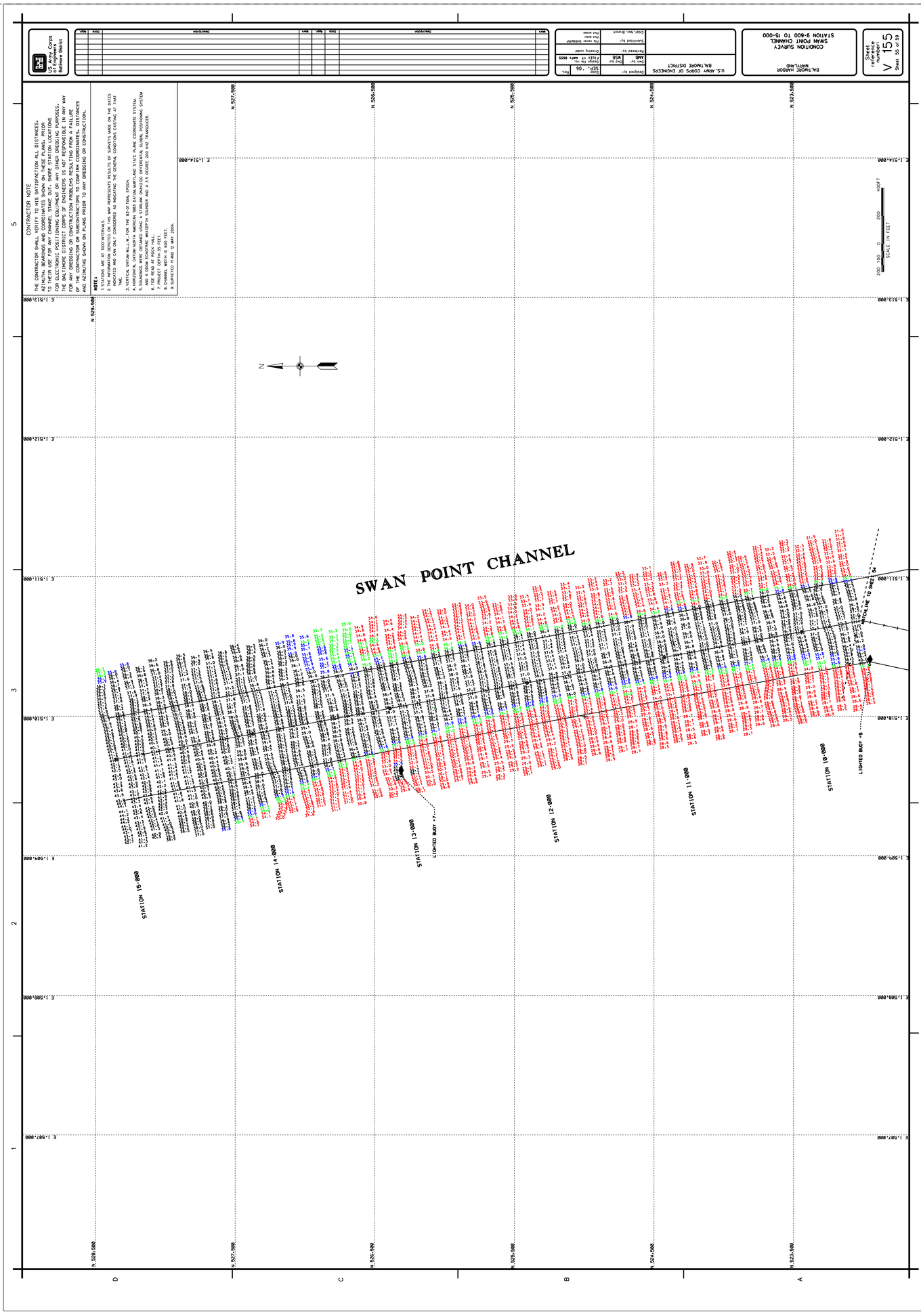
NOTE:

1. STATIONS ARE AT 1000' INTERVALS.
2. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS RESULTS OF SURVEYS MADE ON THE DATES INDICATED. THE SURVEYS WERE CONDUCTED TO DETERMINE THE GENERAL CONDITIONS EXISTING AT THAT TIME.
3. SOUNDINGS ARE REDUCED TO MLLW FOR THE B3. OTION ERSON.
4. HORIZONTAL DATUM NORTH AMERICAN 1983 DATUM MARYLAND STATE PLANE COORDINATE SYSTEM.
5. SOUNDINGS WERE OBTAINED USING A STARLINK OMNISTAR DIFFERENTIAL GLOBAL POSITIONING SYSTEM AND A ODOM ECHOTRAC MKIIDEPTH SOUNDER AND A 33 DEGREE 200 KHZ TRANSDUCER.
6. THE MLLW DATUM IS 0.0 FEET.
7. PROJECT DEPTH= 35 FEET.
8. CHANNEL WIDTH IS 600 FEET.

SWAN POINT CHANNEL COORDINATES (NORTH AMERICAN 1983 DATUM)

STATION	BEARING	AZIMUTH	RIGHT SIDE	CENTERLINE	LEFT SIDE
4+300.00			1505796.36 514338.62	1505728.61 514362.78	1505584.86 514474.77
5+000.00	N 25 8 8.2 E	25 8 8.2		1507782.55 515844.25	1505544.81 515816.32
6+000.00	N 12 7 33.8 E	12 7 33.8	1511477.38 526058.86		1510796.28 522753.51
7+000.00				1511505.22 523889.37	
8+000.00	N 10 32 12.8 W	349 27 46.8	1509985.18 528412.35	1509986.24 528357.53	1509395.38 528302.67
9+500.00					




CONTRACTOR NOTE
THE CONTRACTOR SHALL VERIFY TO HIS SATISFACTION ALL DISTANCES-AZIMUTH, BEARINGS AND COORDINATES SHOWN ON THESE PLANS. PRIOR TO THE BEGINNING OF DREDGING OPERATIONS, THE CONTRACTOR SHALL CHECK 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 BY THE CONTRACTOR TO CHECK THE ACCURACY OF THE COORDINATES, DISTANCES AND AZIMUTHS SHOWN ON PLANS PRIOR TO ANY DREDGING OR CONSTRUCTION.
NOTES:
1. STATIONS ARE AT 1000 INTERVALS.
2. THE HYDROGRAPHIC SURVEY ON THIS MAP REPRESENTS RESULTS OF SURVEYS MADE ON THE DATES INDICATED. DEPTHS ARE REFERENCED TO MEAN LOW WATER. COORDINATES REFER TO MARYLAND STATE PLANE COORDINATE SYSTEM, NAD83.
3. VERTICAL DATUM MLLW IS FOR THE BALTIMORE HARBOR.
4. HORIZONTAL DATUM NORTH AMERICAN 1983 DATUM MARYLAND STATE PLANE COORDINATE SYSTEM.
5. SOUNDINGS WERE OBTAINED USING A STARLINK DWG150 DIFFERENTIAL GLOBAL POSITIONING SYSTEM AND A ODOM ECHOTRAC DF3 DUAL FREQUENCY, HIGH RESOLUTION, DIGITAL FATHOMETER.
6. MLW = 1.0 FOOT MLLW.
7. PROJECT DEPTH 35 FEET.
8. CHANNEL WIDTH 0 600 FEET.
9. SURVEYED USING NAD 1983.
U.S. Army Corps of Engineers Baltimore District
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT
BALTIMORE HARBOR
MARYLAND
CONDITION SURVEY
SWAN POINT CHANNEL
STATION 9+600 TO 15+000
Sheet reference number:
V 155
Sheet 55 of 59
SWAN POINT CHANNEL
STATION 15+000
STATION 14+000
STATION 13+000
LIGHTED BUOY "7"
STATION 12+000
STATION 11+000
STATION 10+000
LIGHTED BUOY "5"
WALK TO SWAN
N 529,500
N 527,500
N 525,500
N 523,500
E 1,514,000
E 1,513,000
E 1,512,000
E 1,511,000
E 1,510,000
E 1,509,000
E 1,508,000
E 1,507,000
SCALE IN FEET
200 100 0 200 400 FT
N