US Army Corps of Engineers
Baltimore District

Symbol	Description	Date	Appr.

Symbol	Description	Date	Appr.

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by: Date: SEP - 06
Drawn by: AMB Date: 06
Reviewed by: PILOT 17 Sheet: 8602
Drawing Leader:
Submitted by: For more information, contact CENAB-DE-PM-PM-NAVIGATION
Chief, Eng. & Const.: For more information, contact CENAB-DE-PM-PM-NAVIGATION

BALTIMORE HARBOR
ANNAPOLIS, MD
CONDITION SURVEY
CRAIGHILL ENTRANCE
STATION 0+000 TO 5+000

Sheet reference number:
V102
Sheet 2 of 29

CRAIGHILL ENTRANCE CHANNEL COORDINATES (NORTH AMERICAN 1983 DATUM)

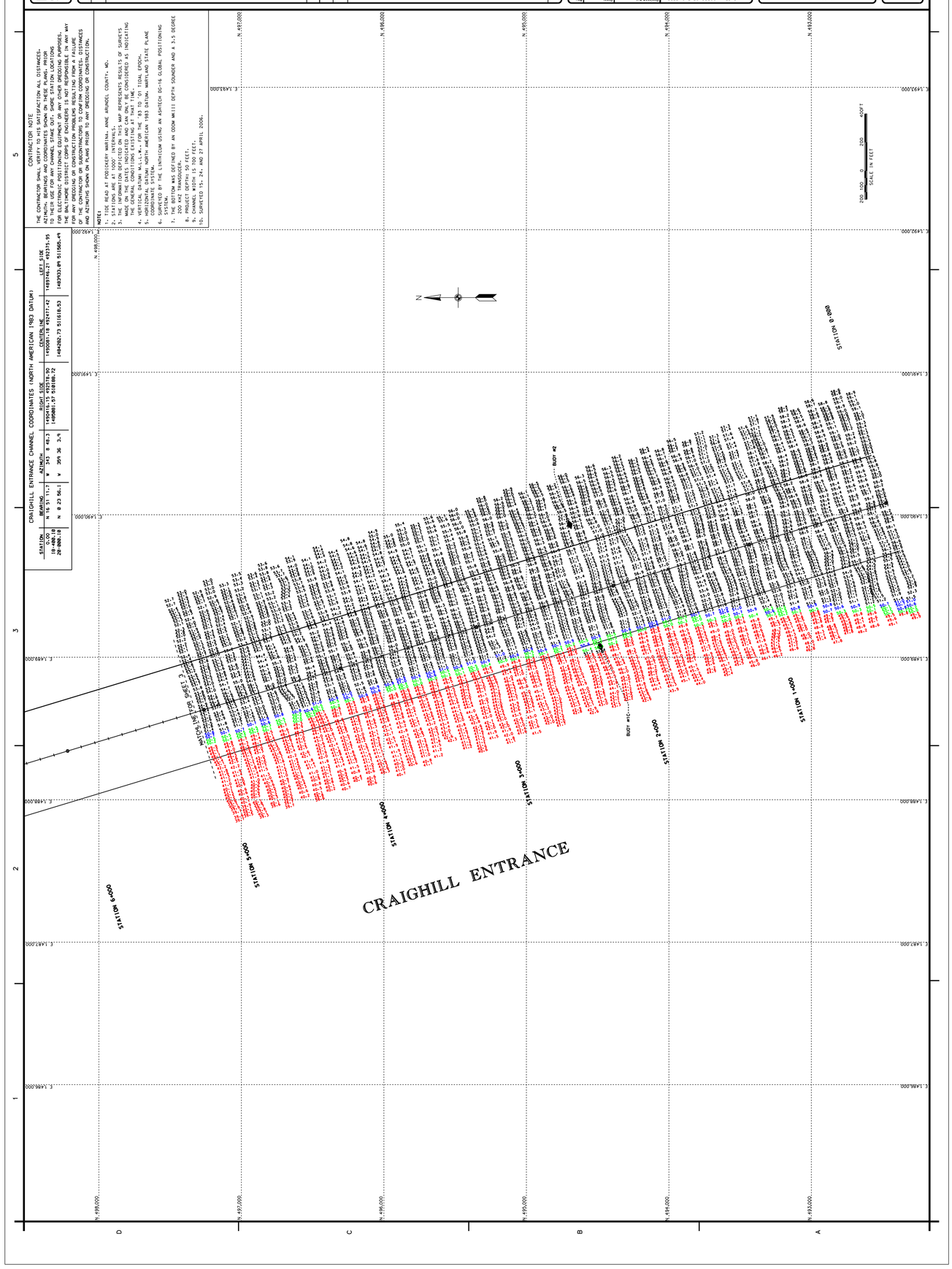
STATION	BEARING	AZIMUTH	LEFT SIDE	RIGHT SIDE	DECIMAL LAT/LONG	LEFT SIDE
20+000.00	N 0 13 17.7	359 36 42.3	1495417.47 516575.95	1495417.47 516575.95	1495417.47 516575.95	1495417.47 516575.95
19+000.10	N 0 23 56.1	359 36 3.9	1495411.57 515618.53	1495411.57 515618.53	1495411.57 515618.53	1495411.57 515618.53
20+000.10			1495000.97 516000.72	1495000.97 516000.72	1494202.73 516000.72	1495933.49 516000.49

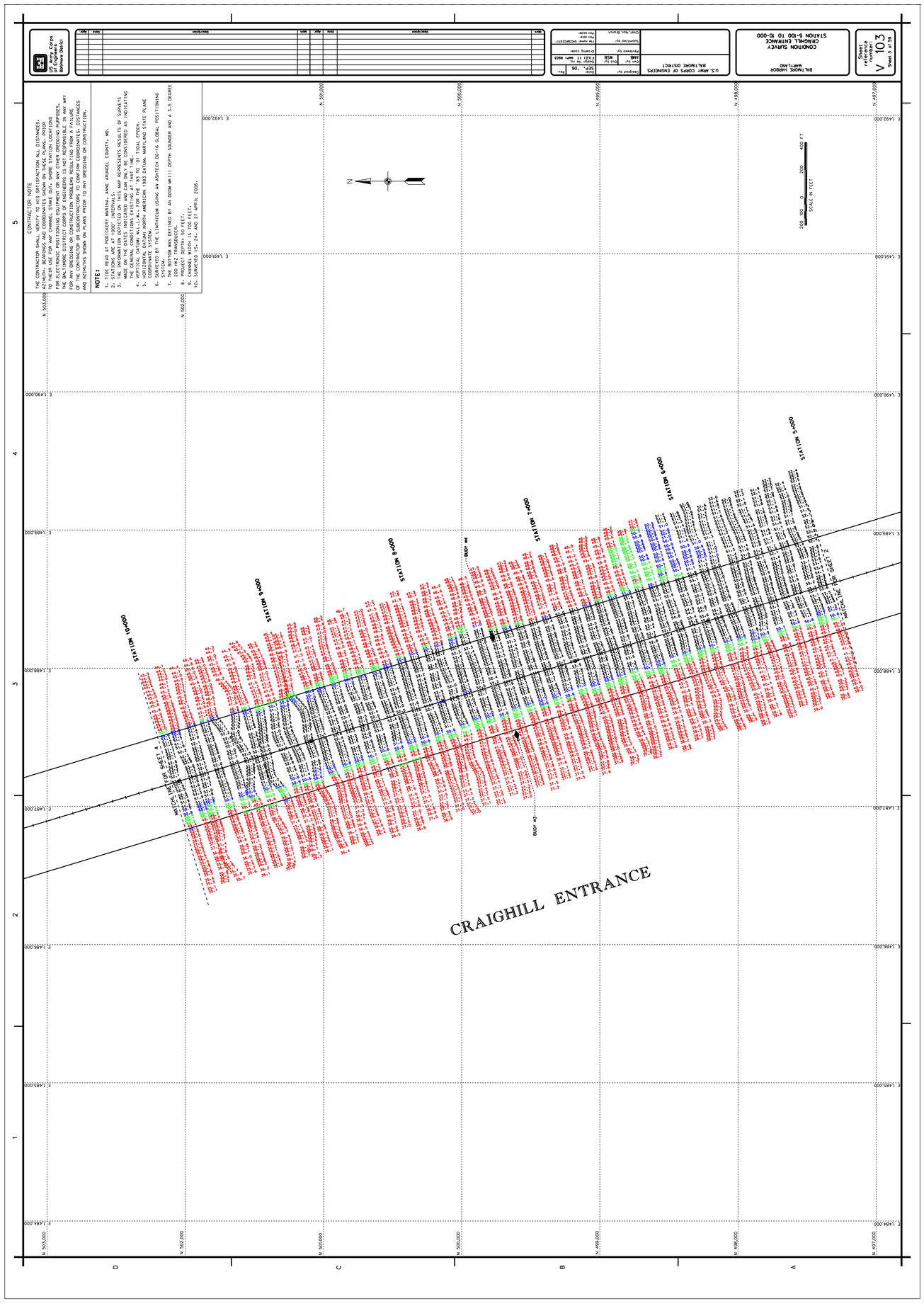
CONTRACTOR NOTE

THE CONTRACTOR SHALL VERIFY THE SATISFACTION ALL DISTANCES, AZIMUTH, BEARINGS AND COORDINATES SHOWN ON THESE PLANS, PRIOR TO THEIR USE FOR ANY CHANNEL STAKE OUT, SHORE STATION LOCATIONS OR DREDGING POSITIONS STAKE OUT, OR OTHER ESSENTIAL 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 TO SUBSTANTIALLY VERIFY THE SHOWN DISTANCES AND AZIMUTHS SHOWN ON PLANS PRIOR TO ANY DREDGING OR CONSTRUCTION.

NOTES:

1. TIDE READ AT PODICKERY MARINA, ANNE ARUNDEL COUNTY, MD.
2. STATIONS ARE AT 1000' INTERVALS.
3. THE WARNING DEPTHS PLOTTED ON THIS MAP REPRESENTS RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THE TIME.
4. VERTICAL DATUM: MLLW, FEET BELOW MLLW.
5. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM, MARYLAND STATE PLANE COORDINATE SYSTEM.
6. SURVEYED BY THE LANTHICOM USING AN ADAPTECH DG-16 GLOBAL POSITIONING SYSTEM.
7. THE BOTTOM WAS SOUNDED BY AN ODOM MKIII DEPTH SOUNDER AND A 3.5 DEGREE 200 KHZ TRANSDUCER.
8. PROJECT DEPTH: 50 FEET.
9. CHANNEL WIDTH: 150 FEET.
10. SURVEYED 25, 26, AND 27 APRIL 2006.




CRAIGHILL ENTRANCE
STATION 10+000
STATION 9+000
STATION 8+000
STATION 7+000
STATION 6+000
STATION 5+000
BUOY #3
BUOY #4
MATCHLINE SHEET 4
MATCHLINE SHEET 2
SCALE IN FEET
200 100 0 200 400 FT
N
CONTRACTOR NOTE
THE CONTRACTOR SHALL VERIFY THAT SATISFACTION ALL DISTANCES, AZIMUTH, BEARINGS AND COORDINATES SHOWN ON THESE PLANS, PRIOR TO THEIR USE FOR ANY CHANNEL STAKE OUT, SHORE STATION LOCATIONS OR OTHER SURVEYING PURPOSES. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE BALTIMORE DISTRICT CORPS OF ENGINEERS IS NOT RESPONSIBLE IN ANY WAY FOR ANY DREDGING OR CONSTRUCTION PROBLEMS RESULTING FROM A FAILURE OF ANY CONTRACTOR TO VERIFY THE ACCURACY OF THE COORDINATES, DISTANCES AND AZIMUTHS SHOWN ON PLANS PRIOR TO ANY DREDGING OR CONSTRUCTION.
NOTE!
1. TIDE READ AT POOTCKERY MARINA- ANNE ARUNDEL COUNTY, MD.
2. STATIONS ARE AT 1000' INTERVALS.
3. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS RESULTS OF SURVEYS MADE AT THE TIME INDICATED AND MAY NOT NECESSARILY BE INDICATIVE OF THE GENERAL CONDITIONS EXISTING AT THAT TIME.
4. VERTICAL DATUM IS MEAN LOW WATER (MLW) TO TIDAL EPOCH.
5. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM, NAD83 AND STATE PLANE COORDINATE SYSTEM.
6. SURVEYED BY THE ELINTHICUM USING AN ASHTECH DG-16 GLOBAL POSITIONING SYSTEM.
7. THE BOTTOM WAS DEFINED BY AN ODOM MK(II) DEPTH SOUNDER AND A 3.5 DEGREE ACOUSTIC TRANSDUCER.
8. PROJECT DEPTH: 50 FEET.
9. CHANNEL WIDTH IS 700 FEET.
10. SURVEYED 13, 24 AND 27 APRIL 2006.
US Army Corps of Engineers Baltimore District
U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT
Designed by: Date: SEP - 06
Drawn by: WSB
Reviewed by: Checked by: Chief, Eng. & Const.
Approved by: Chief, Hydro. Engineering
Scale: 1" = 400'
Plotted: 17 Mar 2006
File name: 06CONDSURV
BALTIMORE HARBOR
ANNAPOLIS, MARYLAND
CONDITION SURVEY
CRAIGHILL ENTRANCE
STATION 5+100 TO 10+000
Sheet reference number
V 10.3
Sheet 1 of 3

CONTRACTOR NOTE

THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND SATISFACTION ALL DISTANCES, AZIMUTH, BEARINGS AND COORDINATES SHOWN ON THESE PLANS PRIOR TO THEIR USE FOR ANY CHANNEL STAKE OUT, SHORE STATION LOCATIONS OR OTHER SURVEYING PURPOSES. THE CONTRACTOR SHALL NOTIFY THE BALTIMORE DISTRICT CORPS OF ENGINEERS IS NOT RESPONSIBLE IN ANY FOR ANY DREDGING OR CONSTRUCTION PROBLEMS RESULTING FROM A FAILURE OF ANY CONTRACTOR TO VERIFY ALL DISTANCES, DIRECTIONS, BEARINGS AND AZIMUTHS SHOWN ON PLANS PRIOR TO ANY DREDGING OR CONSTRUCTION.

NOTE:

1. USE BLAD AT POOTGERN MARINA.
2. STATIONS ARE AT 1000' INTERVALS.
3. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS RESULTS OF SURVEYS MADE BY THE BALTIMORE DISTRICT, U.S. ARMY CORPS OF ENGINEERS AT INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
4. ELEVATIONS SHOWN ARE IN FEET, MEAN LOW WATER DATUM.
5. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM, MARYLAND STATE PLANE COORDINATE SYSTEM.
6. CONDUCTED BY THE LINNTECOM USING AN ASHTECH DG-16 GLOBAL POSITIONING SYSTEM.
7. THE BOTTOM WAS DEFINED BY AN ODOM MK III DEPTH SOUNDER AND A 3.5 DEGREE DOUBLE ALTERNATING SWEEP.
8. PROJECT DEPTH: 50 FEET.
9. CHANNEL WIDTH IS 700 FEET.
10. SURVEYED 15, 24, AND 27 APRIL 2006.

US Army Corps of Engineers Baltimore District

Symbol	Description	Date	Appr.

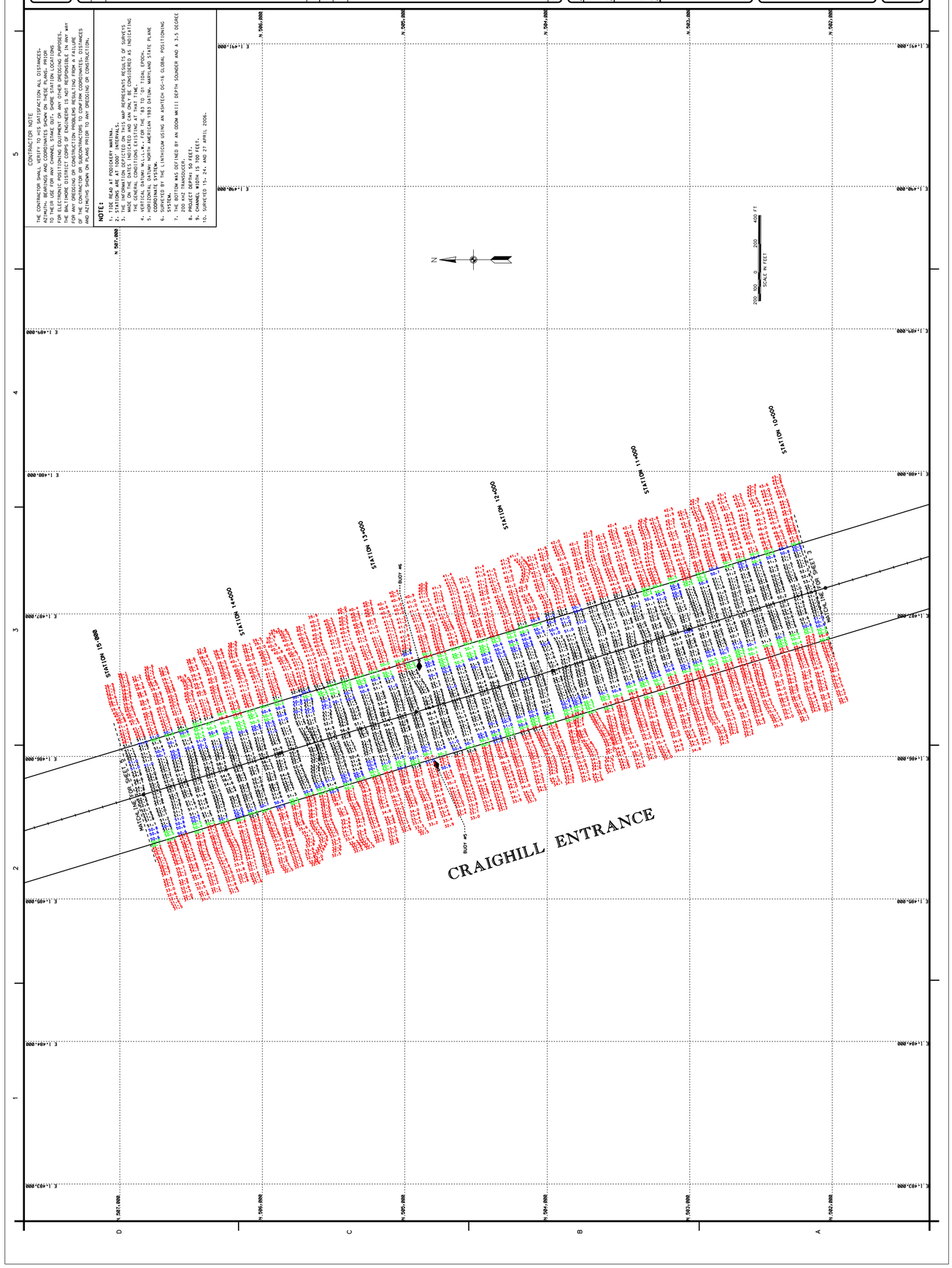
Symbol	Description	Date	Appr.

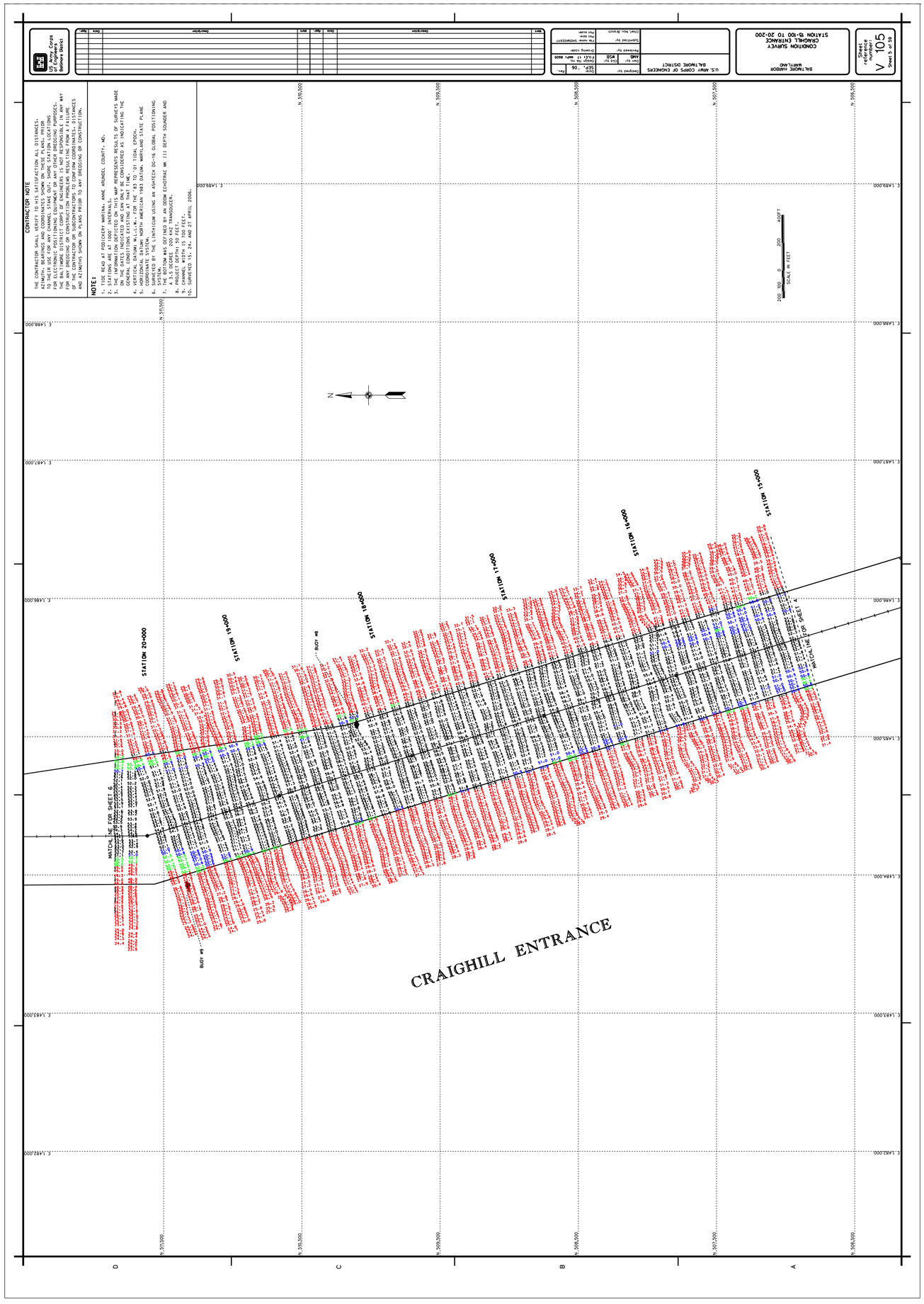
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by: Date: SEP. '06 Scale: Div.
Drawn by: JAB Date: 8/18 Sheet 17 Sheet title: 2006HYDROSURVEY
Reviewed by: Drawing Center File name: 2006HYDROSURVEY
Submitted by: Chief, Eng. & Const.

BALTIMORE HARBOR
MARYLAND
CONDITION SURVEY
CRAIGHILL ENTRANCE
STATION 10+100 TO 15+000

Sheet reference number
V 104
Sheet 1 of 26





CONTRACTOR NOTE

THE CONTRACTOR SHALL VERIFY TO HIS SATISFACTION ALL DISTANCES, AZIMUTH, BEARINGS AND COORDINATES SHOWN ON THESE PLANS. PRIOR TO THE START OF ANY DREDGING OPERATION, THE CONTRACTOR SHALL CALIBRATE FOR ELECTRONIC POSITIONING EQUIPMENT OR ANY OTHER DREDGING PURPOSES. THE BALTIMORE DISTRICT CORPS OF ENGINEERS IS NOT RESPONSIBLE IN ANY WAY FOR ANY DAMAGES OR DEFICIENCIES RESULTING FROM THE FAILURE OF THE CONTRACTOR OR SUBCONTRACTORS TO CONFIRM COORDINATES, DISTANCES AND AZIMUTHS SHOWN ON PLANS PRIOR TO ANY DREDGING OR CONSTRUCTION.

NOTE:

1. TIDE READ AT PODICKERY MARINA, ANNE ARUNDEL COUNTY, MD.
2. STATIONS ARE AT 1000' INTERVALS.
3. THE DIGITAL DATA USED TO PRODUCE THIS MAP REPRESENTS RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS PREVAILING ON THOSE DATES.
4. VERTICAL DATUM: M.L.L.W. FOR THE '83 TO '01 TIDAL EPOCH.
5. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM; MARYLAND STATE PLANE COORDINATE SYSTEM.
6. SURVEYED BY THE LINTHICUM USING AN ASHTECH DG-16 GLOBAL POSITIONING SYSTEM.
7. THE BOTTOM WAS DEFINED BY AN ODOM ECHOTRAC MK III DEPTH SOUNDER AND A 3.5 DEGREE, 200 KHZ TRANSDUCER.
8. AVERAGE SAMPLE SPACING 5 FEET.
9. CHANNEL WIDTH IS 700 FEET.
10. SURVEYED 15, 24, AND 27 APRIL 2006.

Sym.	Description	Date	Appr.

US Army Corps of Engineers Baltimore District

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by: SEP - '06
Drawn by: AMB
Checked by: VSB
Reviewed by:
Drawing Leader:
Chief, Nav. Br./Ch.:

Date: 07/07/2006
Scale: 1" = 200'
File name: 20060707.dgn
Plot date:

BALTIMORE HARBOR
MARYLAND
CONDITION SURVEY
CRAIGHILL ENTRANCE
STATION 15+100 TO 20+200

Sheet reference number
V 105
Sheet 5 of 59