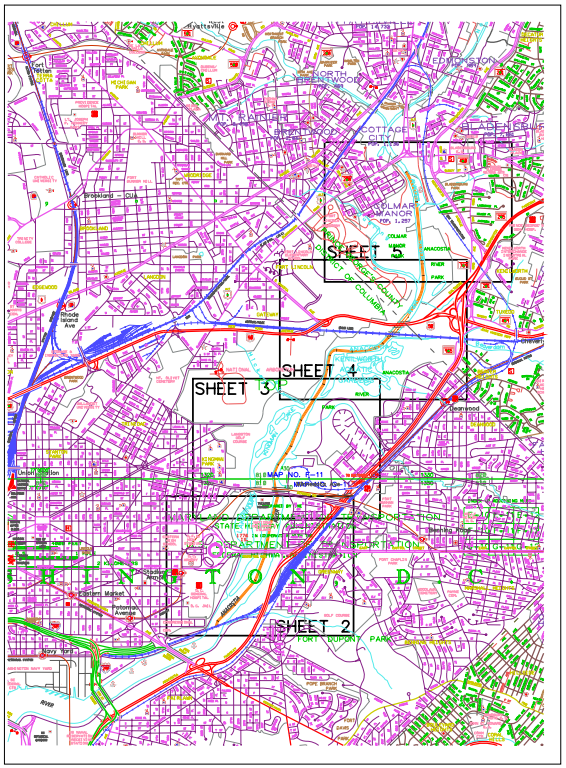
CONDITION SURVEY

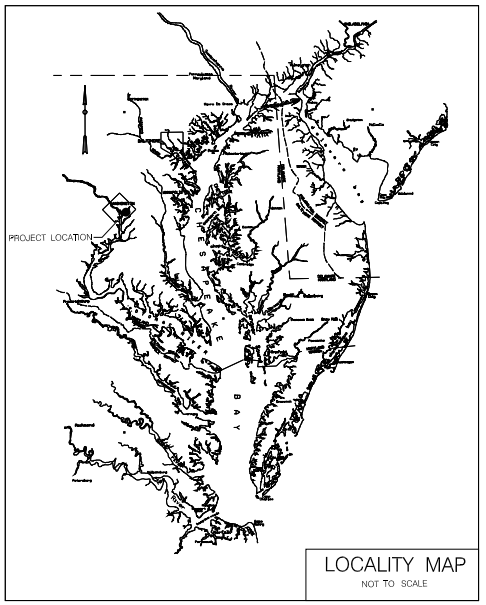
ANACOSTIA RIVER BASIN

WASHINGTON, D.C. AND MARYLAND



INDEX OF DRAWINGS

TITLE		FILE & MAP NO.	SHEET NO.
COVER SHEET		FILE: B-100 MAP:7-01	1
ANACOSTIA CHANNEL	STA. 0+000 TO 6+200	FILE: B-100 MAP:7-02	2
ANACOSTIA CHANNEL	STA. 6+400 TO 12+500	FILE: B-100 MAP:7-03	3
ANACOSTIA CHANNEL	STA.12+600 TO 20+500	FILE: B-100 MAP:7-04	4
ANACOSTIA CHANNEL	STA. 20+700 TO 24+987	FILE: B-100 MAP:7-05	5



LOCALITY MAP
NOT TO SCALE

ANACOSTIA RIVER BASIN CHANNEL GEOMETRY

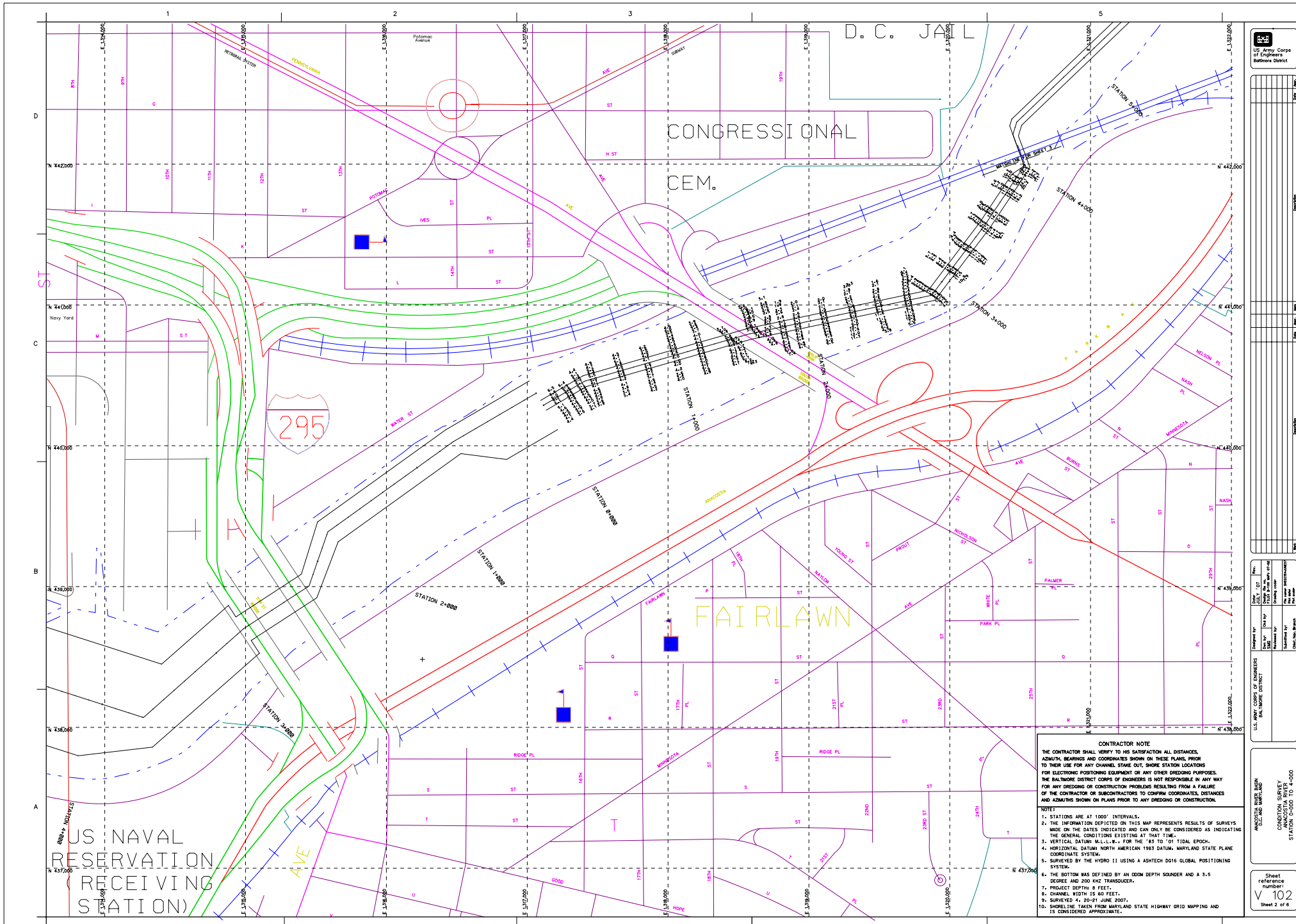
Left Geometry			Centerline Geometry			Right Geometry		
Station	Easting	Northing	Station	Easting	Northing	Station	Easting	Northing
0+00.00	1317094.57	440321.52	0+00.00	1317114.76	440286.99	0+00.00	1317134.95	440252.46
3+49.40	1317396.81	440496.82	3+39.53	1317407.86	440458.38	3+29.67	1317418.91	440419.94
15+70.02	1318569.95	440833.95	15+60.15	1318580.99	440795.51	15+50.28	1318592.04	440757.07
28+75.73	1319847.51	441103.60	28+78.48	1319870.83	441068.16	28+81.24	1319894.15	441032.73
34+79.58	1320912.06	441583.73	35+02.49	1320948.17	441565.15	35+26.40	1320984.28	441546.56
38+91.23	1320941.04	441927.03	40+09.88	1320529.55	441987.50	40+41.51	1320569.44	441975.54
39+98.27	1320529.35	441987.50	42+45.90	1320448.37	442209.20	42+80.56	1320487.42	442200.07
43+00.24	1320425.74	442271.15	43+38.92	1320475.98	442298.02	43+60.31	1320511.09	442276.23
43+51.24	1320440.93	442319.83	53+85.14	1321231.44	443021.80	53+98.29	1321260.69	442994.53
54+06.12	1321202.61	443049.64	68+47.78	1322179.22	444135.82	68+69.73	1322214.07	444115.05
68+59.70	1322144.46	444156.81	79+66.18	1322583.88	445178.44	79+98.49	1322622.48	445167.33
79+67.50	1322545.28	445189.55	97+13.58	1322814.38	446894.30	97+48.04	1322953.38	446885.30
97+17.54	1322876.63	446907.93	108+10.61	1323199.71	447953.58	108+54.56	1323241.18	447953.74
107+99.20	1323157.96	447952.36	112+08.17	1323081.00	448333.00	112+64.94	1323119.00	448345.51
111+91.44	1323041.03	448326.78	117+85.91	1322993.00	448904.00	118+23.93	1323034.00	448898.00
117+79.44	1322952.00	448908.00	123+35.45	1323205.00	449411.00	123+58.24	1323240.00	449391.00
125+46.06	1323170.00	449431.00	129+55.28	1323362.00	449903.00	129+74.47	1323615.00	449880.00
129+69.09	1323549.00	449925.50	133+55.56	1323798.00	450240.00	133+80.04	1323833.00	450222.00
133+63.43	1323761.00	450258.00	146+34.36	1324248.00	451437.00	140+74.69	1324078.00	450872.00
140+51.11	1324003.50	450901.50	165+55.31	1325285.00	453054.00	146+59.19	1324284.00	451419.00
146+42.57	1324212.00	451455.00	179+09.44	1325564.35	454379.01	165+82.36	1325322.00	453036.00
165+59.92	1325247.00	453069.00	183+32.21	1325875.57	454607.87	172+81.57	1325467.00	453722.00
172+44.60	1325388.00	453739.00	190+44.87	1326585.00	454540.00	179+44.09	1325603.24	454370.37
179+96.79	1325524.96	454386.87	196+44.43	1327184.00	454566.00	183+08.54	1325871.53	454567.66
183+87.86	1325879.11	454647.30	201+11.50	1327631.04	454701.29	190+24.21	1326584.00	454500.00
190+97.95	1326586.00	454580.00	205+24.10	1327978.42	454915.54	196+31.77	1327191.00	454526.00
196+89.48	1327177.00	454605.00	210+16.57	1328318.00	455272.00	201+03.38	1327642.38	454662.62
201+51.59	1327619.20	454739.18	226+71.62	1329367.08	456552.09	205+36.63	1328007.15	454887.38
205+43.52	1327949.18	454942.51	242+27.38	1329812.07	458002.18	208+89.22	1328250.00	455143.00
208+96.00	1328192.00	455198.00	275+96.13	1329505.28	461356.93	212+09.87	1328503.00	455340.00
212+06.96	1328348.00	455467.00	290+48.51	1329034.79	462716.04	214+68.51	1328667.00	455540.00
214+60.60	1328509.00	455663.00				221+94.76	1329127.00	456102.00
221+91.71	1328973.00	456228.00				224+03.15	1329208.00	456294.00
224+00.56	1329146.00	456345.00				227+03.14	1329397.76	456526.34
227+00.42	1329335.90	456577.06				242+90.01	1329851.65	458005.43
242+25.06	1329771.99	457998.15				248+20.82	1329803.00	458534.00
247+56.09	1329724.00	458527.00				276+58.76	1329544.86	461360.18
275+93.81	1329465.20	461352.90				279+34.97	1329507.26	461633.72
278+63.35	1329428.47	461619.83				291+30.51	1329068.10	462737.41
290+26.83	1329000.98	462693.89						

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

ANACOSTIA RIVER BASIN
D.C. AND MARYLAND

CONDITION SURVEY
ANACOSTIA CHANNEL
COVER SHEET

Sheet reference number:
V-101
Sheet 1 of 6



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 II USING A ASHTECH DG16 GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN ODOM DEPTH SOUNDER AND A 3.5 DEGREE AND 200 KHZ TRANSDUCER.
7. PROJECT DEPTH: 8 FEET.
8. CHANNEL WIDTH IS 60 FEET.
9. SURVEYED 4, 20-21 JUNE 2007.
10. SHORELINE TAKEN FROM MARYLAND STATE HIGHWAY GRID MAPPING AND IS CONSIDERED APPROXIMATE.

US Army Corps of Engineers
Baltimore District

No.	Description	Date

Rev.	Date	By	Description
0	JULY 07		

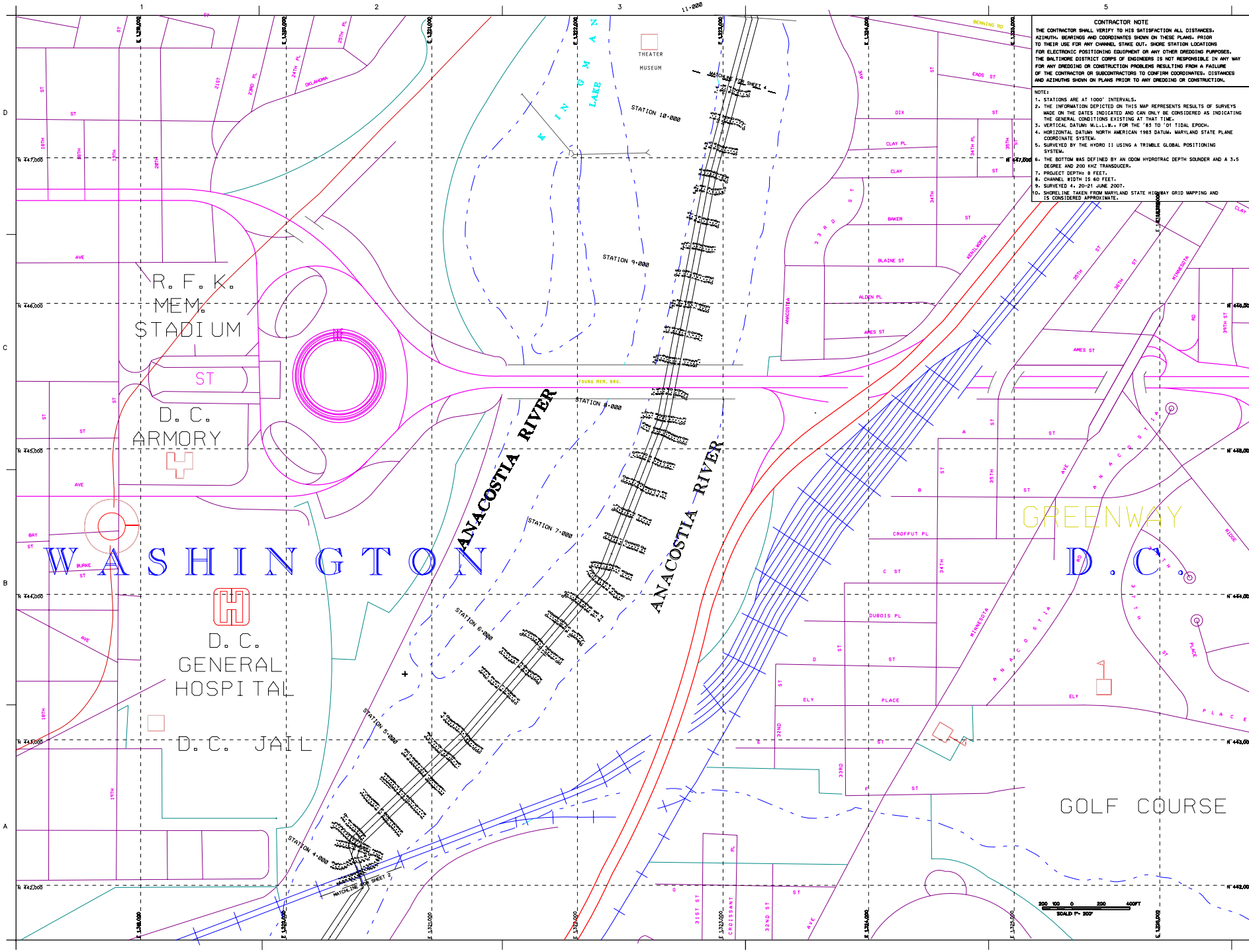
Designed by:
Drawn by:
Quantities by:
Checked by:
Reviewed by:
Submitted by:
Chief, Nav. Branch:
Date:
Drawing code:
File name: 8X11CHART.DGN
Plot scale:
Plot date:

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

ANACOSTIA RIVER BASIN
D.C. AND MARYLAND

CONDITION SURVEY
ANACOSTIA RIVER
STATION 0+000 TO 4+000

Sheet reference number:
V 102
Sheet 2 of 6



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 II USING A TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN ODOM HYDROTRAC DEPTH SOUNDER AND A 3.5 DEGREE AND 200 KHZ TRANSDUCER.
7. PROJECT DEPTH: 8 FEET.
8. CHANNEL WIDTH IS 60 FEET.
9. SURVEYED 4, 20-21 JUNE 2007.
10. SHORELINE TAKEN FROM MARYLAND STATE HIGHWAY GRID MAPPING AND IS CONSIDERED APPROXIMATE.

US Army Corps of Engineers
Baltimore District

Rev.	Description	Date	Appr.
1	MODIFIED CHANNEL COORDINATES		
2	ADDED SOUNDING DATA		

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

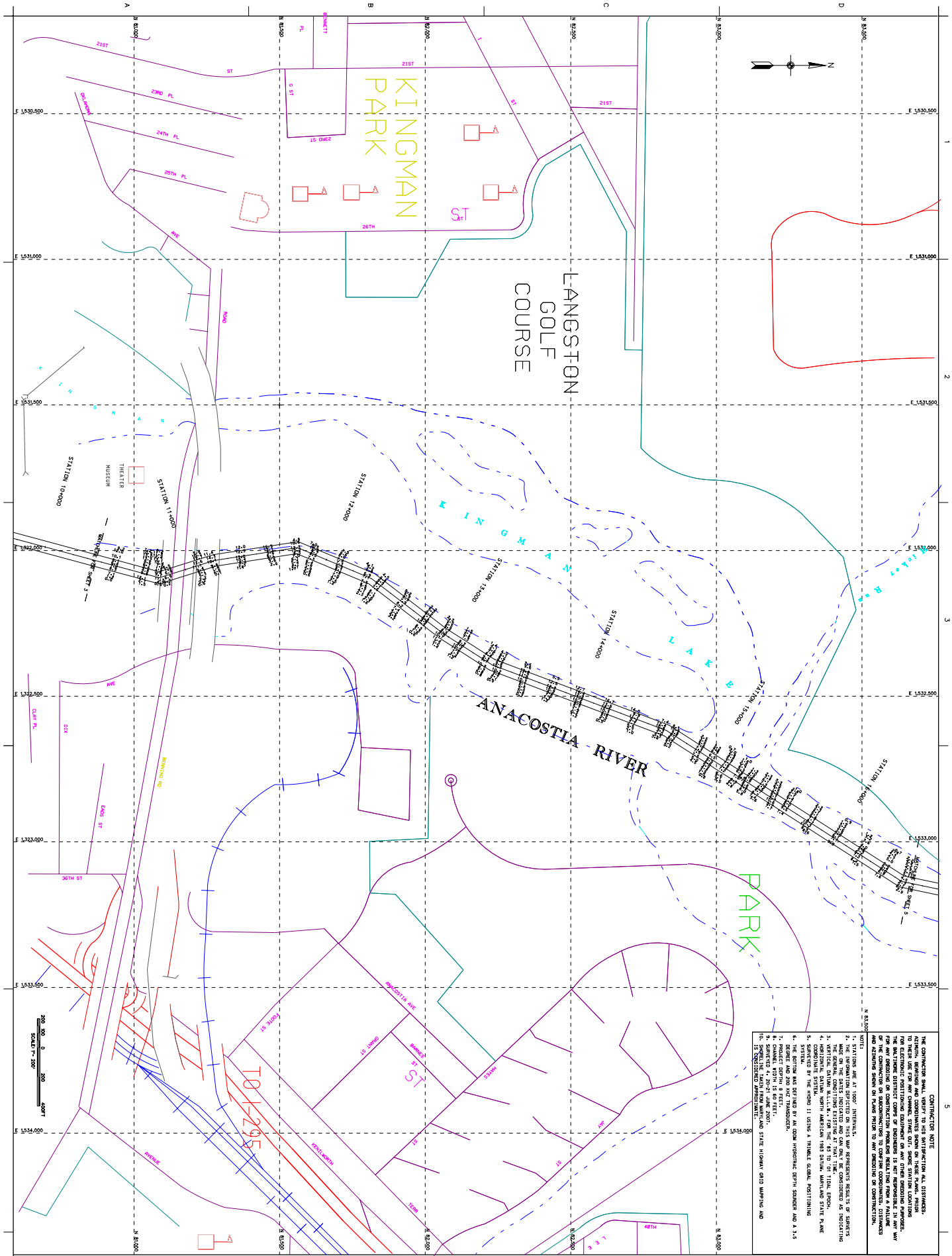
Designed by:
Dwn by: SMG
Ckd by:
Reviewed by:
Submitted by:
Chief, Nav. Branch

Date: JULY '07
Rev.
Design file no. FILE: B-108 Sgfx 1-05
Drawing code:
File name: SHOCOKAUNEEKY
Plot date:
Plot scale:

ANACOSTIA RIVER BASIN
D.C. AND MARYLAND

CONDITION SURVEY
ANACOSTIA RIVER
STATION 4+100 TO 10+300

Sheet reference number:
V 103
Sheet 3 of 6



CONTRACTOR NOTE

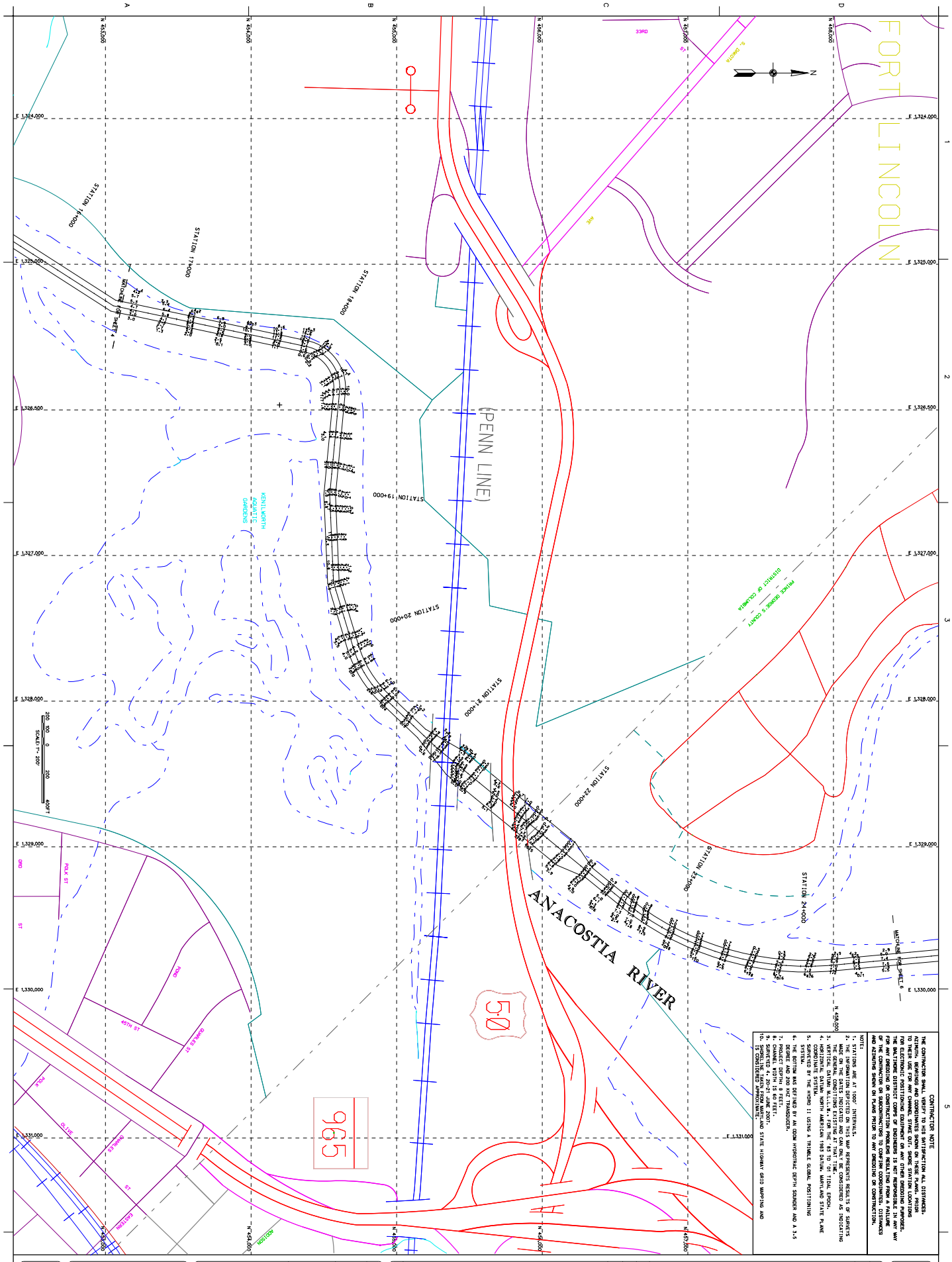
THE CONTRACTOR SHALL VERIFY TO HIS SATISFACTION ALL DISTANCES, AZIMUTH, BEARINGS AND COORDINATES SHOWN ON THESE PLANS. PRIOR TO THEIR USE FOR ANY CHANNEL STAKE OUT, SHORE STATION LOCATIONS OR ANY DREDGING OR CONSTRUCTION PURPOSES. THE BALTIMORE DISTRICT CORPS OF ENGINEERS IS NOT RESPONSIBLE IN ANY WAY 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 CHANNEL DEPTHS SHOWN 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. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM, MARYLAND STATE PLANE COORDINATE SYSTEM.
4. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM, MARYLAND STATE PLANE COORDINATE SYSTEM.
5. SOUNDINGS WERE OBTAINED BY THE HYDRO II USING A TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN ODOM HYDROTRAC DEPTH SOUNDER AND A 3.5 DEGREE AND 200 KHZ TRANSDUCER.
7. PROJECT DEPTH IS 18 FEET.
8. CHANNEL WIDTH IS 80 FEET.
9. SURVEYED 4, 20-21 JUNE 2007.
10. SHORELINE DATA FROM MARYLAND STATE HIGHWAY GRID MAPPING AND IS CURRENTLY APPROXIMATE.

Sheet registration number: V-104 Sheet 4 of 6	ANACOSTIA RIVER BASIN D.C. AND MARYLAND CONDITION SURVEY ANACOSTIA RIVER STATION 10+500 TO 16+600	U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT	Designed by:	Date: JULY '07	Rev.						
			Drn by: SMS	Chkd by:	Design file no. FILE B-100 MAP 07-04						
			Reviewed by:		Drawing code:						
			Submitted by:		File name SHO4DIA.ANE307						
			Chief, Nav. Branch		Plot date: Plot scale:						
			Work	Description	Date	Appr.	Work	Description	Date	Appr.	

U.S. Army Corps of Engineers Baltimore District



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 OR DREDGING OPERATIONS. 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 CHANNEL LIMITS AS SHOWN 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. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM, MARYLAND STATE PLANE COORDINATE SYSTEM.
4. VERTICAL DATUM: MEAN LOWER LOW WATER, TIDAL EPOCH: 1983-2001.
5. SURVEYED BY THE HYDRO II USING A TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN ODOM HYDROTRAC DEPTH SOUNDER AND A 3.5 DEGREE AND 200 KHZ TRANSDUCER.
7. CHANNEL WIDTH IS 90 FEET.
8. CHANNEL WIDTH IS 90 FEET.
9. SURVEYED 4, 20-21 JUNE 2007.
10. DATUM CONVERTED FROM MEAN LOWER LOW WATER TO MEAN LOWER LOW WATER USING NOAA'S VDATUM SOFTWARE.

ANACOSTIA RIVER BASIN
D.C. AND MARYLAND

CONDITION SURVEY
ANACOSTIA RIVER
STATION 16+700 TO 24+600

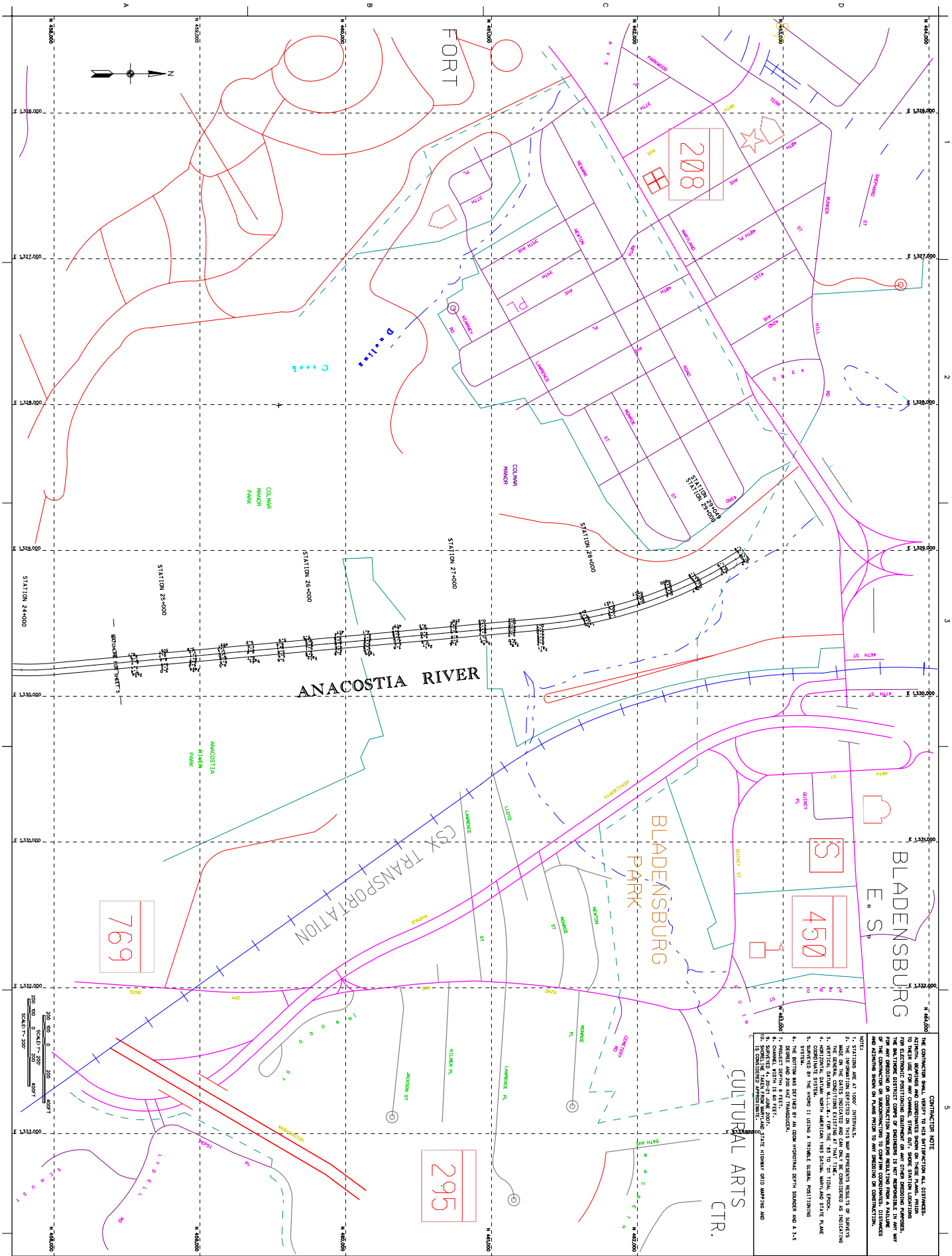
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:		Date: JULY '07	Rev.
Drawn by: DMS	Chkd by:	Design file no. FILE: B-100 MAP: 7-05	
Reviewed by:		Drawing code:	
Submitted by:		File name: SHEET04.DWG	
Chief, Nav. Branch		Plot date:	
		Plot scale:	

Work | Description | Date | Appr. | Work | Description | Date | Appr.

Sheet number: V-105
Sheet 5 of 6

U.S. Army Corps of Engineers
Baltimore District



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 ARE APPROXIMATE AND ARE PROVIDED FOR REFERENCE ONLY. 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 ALIGNING SHOWN ON PLANS PRIOR TO ANY DREDGING OR CONSTRUCTION.

NOTE:

1. STATIONS ARE AT 1000' INTERVALS.
2. THE CHANNEL LIMITS AS 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. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM, MARYLAND STATE PLANE COORDINATE SYSTEM.
4. VERTICAL DATUM: MEAN LOWER LOW WATER (MLLW) EPOCH: 1983-2001.
5. SURVEYED BY THE HYDRO II USING A TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN ODOM HYDROTRAC DEPTH SOUNDER AND A 3.5 DEGREE AND 200 KHZ TRANSDUCER.
7. CHANNEL WIDTH IS 90 FEET.
8. CHANNEL WIDTH IS 90 FEET.
9. SURVEYED 4, 20-21 JUNE 2007.
10. HORIZONTAL CONTROL WAS ESTABLISHED USING STATE HIGHWAY GRID MAPPING AND IS CONSIDERED APPROXIMATE.

SCALE: 1" = 200'

Sheet number	Sheet total number
V-106	Sheet 6 of 6

ANACOSTIA RIVER BASIN
D.C. AND MARYLAND

CONDITION SURVEY
ANACOSTIA RIVER
STATION 25+800 TO 29+049

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:	Date: JULY '07	Rev.	
Drawn by: SWS	Chkd by:	Design file no. FILE B-100 MAP: 7-08	
Reviewed by:		Drawing code:	
Submitted by:		File name: SHEET6.DANE07	
Chief, Nav. Branch		Plot date: Plot scale:	

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.
1	MODIFIED CHANNEL COORDINATES						
2	ADDED SOUNDING DATA						

U.S. Army Corps of Engineers
Baltimore District