NANTICOKE RIVER NORTHWEST FORK
CHANNEL COORDINATES

RIGHT GEO EASTING	RIGHT GEO NORTHING	STATION	CENTERLINE EASTING	CENTERLINE NORTHING	LEFT GEO EASTING	LEFT GEO NORTHING
1663234.08	375243.00	0+00.00	1663261.01	375256.23	1663287.93	375269.47
1663354.57	374997.87	2+78.55	1663383.88	375006.25	1663413.19	375014.62
1663500.68	373539.46	17+84.15	1663533.97	373508.15	1663564.76	373501.71
1663490.93	373492.80	44+04.69	1662550.00	371223.71	1662279.52	371215.00
1662220.48	371232.42	50+21.45	1662211.72	370602.13	1662242.00	370605.65
1662181.45	370598.61	57+09.28	1662408.65	369949.36	1662438.07	369955.70
1662379.23	369943.02	68+54.11	1662558.82	368814.42	1662590.13	368806.53
1662524.24	368847.10	74+53.87	1662207.65	368328.27	1662226.94	368303.69
1662512.88	368802.05	76+30.30	1662044.31	368261.57	1662052.59	368232.49
1662188.36	368352.74	85+26.02	1661161.20	368111.71	1661169.58	368082.76
1662036.03	368290.54	87+25.69	1660976.89	368034.97	1660995.11	368010.52
1661152.81	368140.77	88+80.34	1660881.85	367912.97	1660912.53	367903.27
1660958.07	368059.63	94+94.34	1660909.37	367312.67	1660959.80	367303.92
1660851.57	367922.66	99+42.10	1660859.05	366847.14	1660886.70	366838.35
1660877.79	367346.26	103+96.41	1660405.07	366547.14	1660438.00	366533.33
1660864.71	367300.68	114+59.90	1660347.19	365485.46	1660362.63	365482.04
1660509.97	366185.86	120+94.93	1660239.68	364859.60	1660264.15	364849.16
1660503.53	366155.86	124+46.43	1660062.42	364556.07	1660085.34	364535.84
1660317.54	365885.88	128+24.03	1659762.53	364326.63	1659778.49	364301.07
1660311.04	364841.03	135+19.66	1659140.33	364015.53	1659151.67	363987.66
1660039.60	364576.30	159+25.50	1658753.75	363892.01	1658759.05	363862.21
1659746.56	364352.18	145+38.06	1658141.75	363865.74	1658126.89	363835.08
1659128.99	364043.40	149+64.44	1657892.11	364211.40	1657888.80	364164.74
1658748.45	363921.81	152+29.93	1657634.78	364276.70	1657849.93	364191.15
1658181.59	363897.48	155+42.82	1657325.40	364229.90	1657633.27	364246.13
1658141.97	363916.67	160+68.40	1656860.81	363984.16	1657334.93	364201.00
1657910.05	364237.80	162+71.23	1656658.76	364001.91	1656867.01	363953.50
1657636.28	364307.26	165+57.11	1656435.38	364180.32	1656647.11	363972.82
1657315.88	364258.80	168+93.77	1656275.17	364476.41	1656411.89	364160.69
1656854.61	364014.82	170+70.13	1656098.85	364480.58	1656268.96	364424.84
1656670.40	364031.00	172+69.28	1655903.03	364444.52	1656232.08	364447.53
1656458.86	364199.96	178+06.29	1655576.66	364017.87	1656104.32	364451.09
1656293.28	364505.99	185+79.72	1655037.07	363463.76	1655944.43	364421.48
1656096.45	364510.65	193+06.84	1654497.47	362976.39	1655904.65	364397.07
1656886.22	364471.72	203+99.73	1653867.05	362083.66	1655599.40	363998.21
1655553.93	364037.52	212+07.26	1653592.18	361324.34	1655057.89	363442.15
1655016.25	363485.38	215+90.53	1653256.55	361139.29	1654520.05	362956.36
1654474.89	362996.41	220+71.18	1652777.87	361095.78	1653893.89	362069.65
1653840.22	362097.66	224+09.49	1652487.77	360921.71	1653616.55	361303.52
1653576.32	361368.67	231+90.48	1652220.87	360187.75	1653265.52	361109.99
1653545.92	361333.09	234+13.41	1652038.10	360060.10	1652787.42	361066.52
1653269.46	361180.67	239+43.10	1651542.02	359874.43	1652533.76	360914.33
1653222.67	361166.34	242+16.24	1651307.04	359735.18	1652505.34	360877.97
1652768.32	361125.03	244+11.65	1651179.39	359587.23	1652245.82	360168.58
1652463.21	360941.96	247+19.18	1651037.24	359314.53	1652052.17	360033.33
1652195.92	360206.91	251+71.78	1651304.13	358949.00	1651555.03	359847.27
1652024.03	360086.87	261+69.76	1652072.14	358311.71	1651326.55	359711.87
1651529.02	359901.60	267+80.40	1652096.12	357701.54	1651204.38	359570.27
1651287.52	359758.49	278+69.61	1652000.39	356616.55	1651084.01	359339.35
1651154.40	359604.19	286+50.00	1651800.22	355862.27	1651087.19	359296.99
1651002.03	359311.88	289+74.42	1651536.22	355673.70	1651326.16	358969.70
1651282.11	358928.29	292+75.52	1651263.52	355546.06	1652101.60	358326.26
1652023.46	358313.13	297+88.37	1650787.75	355354.59	1652126.18	357700.81
1652043.67	358272.19	300+71.05	1650572.84	355170.96	1652030.05	356611.34
1652066.07	357702.27	312+06.10	1650316.58	354065.21	1651826.44	355844.14
1651970.73	356621.75	321+10.24	1649692.44	353411.06	1651551.42	355647.70
1651780.40	355904.57				1651275.49	355518.54
1651753.65	355865.88				1650826.69	355337.92
1651521.02	355699.71				1650784.50	355312.35
1651251.55	355573.58				1650618.84	355170.81
1650771.99	355380.59				1650594.18	355130.21
1650545.84	355187.35				1650343.95	354050.44
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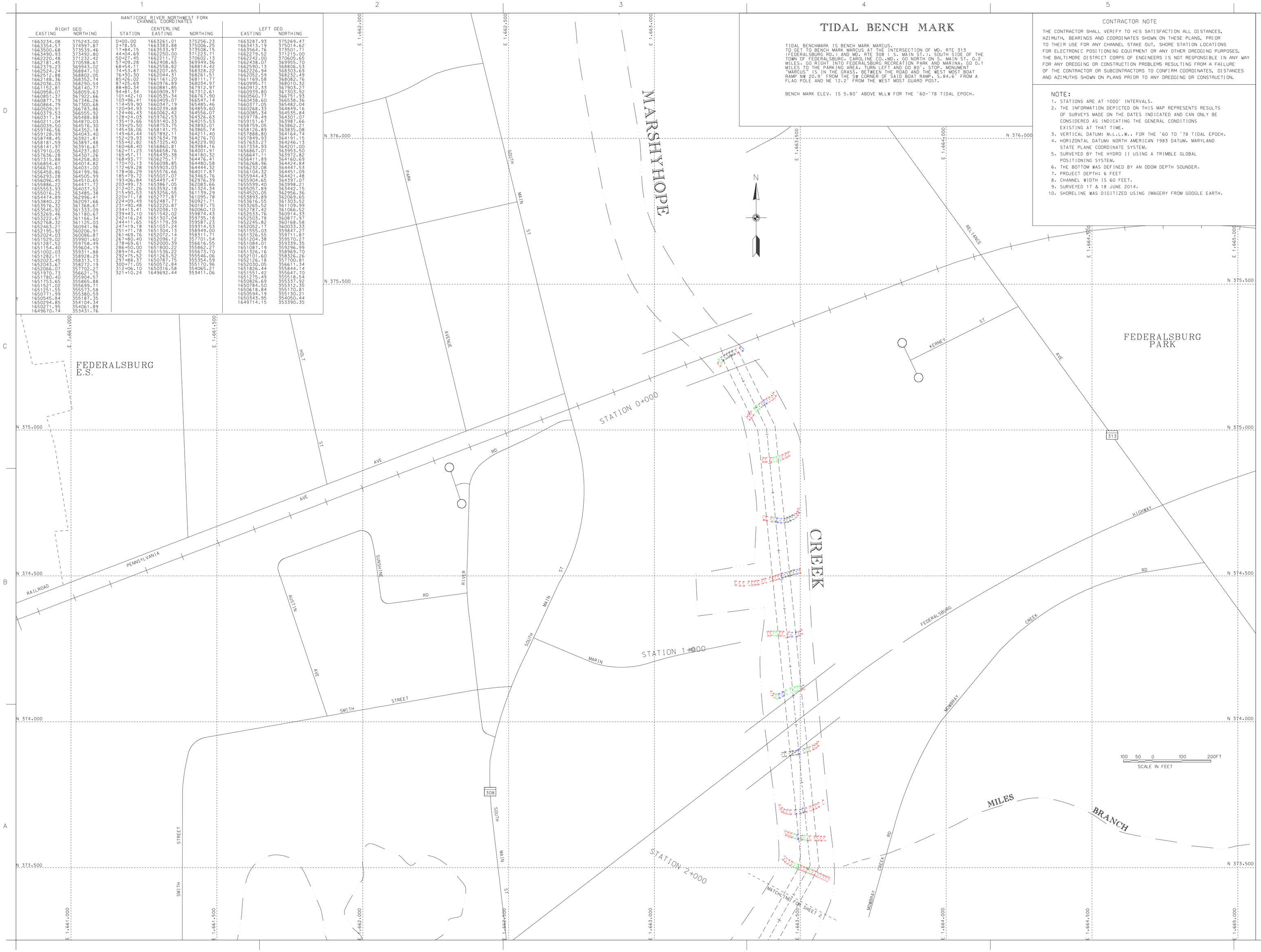
1650271.95	354061.89					
1649670.74	353431.76					



TIDAL BENCH MARK

TIDAL BENCHMARK IS BENCH MARK MARCUS.
TO GET TO BENCH MARK MARCUS AT THE INTERSECTION OF MD. RTE 313 (FEDERALSBURG RD.) AND MD. RTE 308 (S. MAIN ST.), SOUTH SIDE OF THE TOWN OF FEDERALSBURG, CAROLINE CO.,MD., GO NORTH ON S. MAIN ST. 0.2 MILES, GO RIGHT INTO FEDERALSBURG RECREATION PARK AND MARINA, GO 0.1 MILES TO THE PARKING AREA. TURN LEFT AND GO 80'. STOP. MONUMENT "MARCUS" IS IN THE GRASS. BETWEEN THE ROAD AND THE WEST MOST BOAT RAMP NW 20.9' FROM THE SW CORNER OF SAID BOAT RAMP. S.84.6' FROM A FLAG POLE AND NE 12.2' FROM THE WEST MOST GUARD POST.

BENCH MARK ELEV. IS 5.80' ABOVE MLLW FOR THE '60-'78 TIDAL EPOCH.

CONTRACTOR NOTE

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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: 6 FEET
8. CHANNEL WIDTH IS 60 FEET.
9. SURVEYED 17 & 18 JUNE 2014.
10. SHORELINE WAS DIGITIZED USING IMAGERY FROM GOOGLE EARTH.

US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

Designed by:
Date by: 12/14/14
Zone: USAGE 114
Design file no. CAD 2 Sub 16 C001
Drawing code:
Rev.
Drawn by: SAG
Chkd by: SAG
Reviewed by: SAG
Submitted by: Chief, Hyd. Branch
File name: FEDERALSBURG.DGN
Plot date:
Plot time:

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

CAROLINE AND DORCHESTER COUNTIES
MARYLAND

CONDITION SURVEY
NANTICOKE RIVER NWF
STATIONS 0+000 TO 1+900

Sheet reference number:
V-101
Sheet 1 of 10

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.

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8. CHANNEL WIDTH IS 60 FEET.
9. SURVEYED 17 & 18 JUNE 2014.
10. SHORELINE WAS DIGITIZED USING IMAGERY FROM GOOGLE EARTH.

Sheet reference number:	V-102
Sheet 2 of 10	

CAROLINE AND DORCHESTER COUNTIES
MARYLAND

CONDITION SURVEY
NANTICOKE RIVER - NWF
STATIONS 2+000 TO 4+600

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:		Date: JUNE '14	Rev.
Dwn by: JAH	Ckd by: SMG	Design file no. FILE: 2 MAP: 14-002	
Reviewed by: SMG		Drawing code:	
Submitted by: Chief, Nav. Branch		File name: SH01_10C037NW18JUN2014 Plot date: Plot scale:	

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

US Army Corps of Engineers
Baltimore District

CONTRACTOR NOTE

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10. SHORELINE WAS DIGITIZED USING IMAGERY FROM GOOGLE EARTH.

US Army Corps of Engineers
Baltimore District

Mark	Date	Description	Appr.

Mark	Date	Description	Appr.

Mark	Date	Description	Appr.

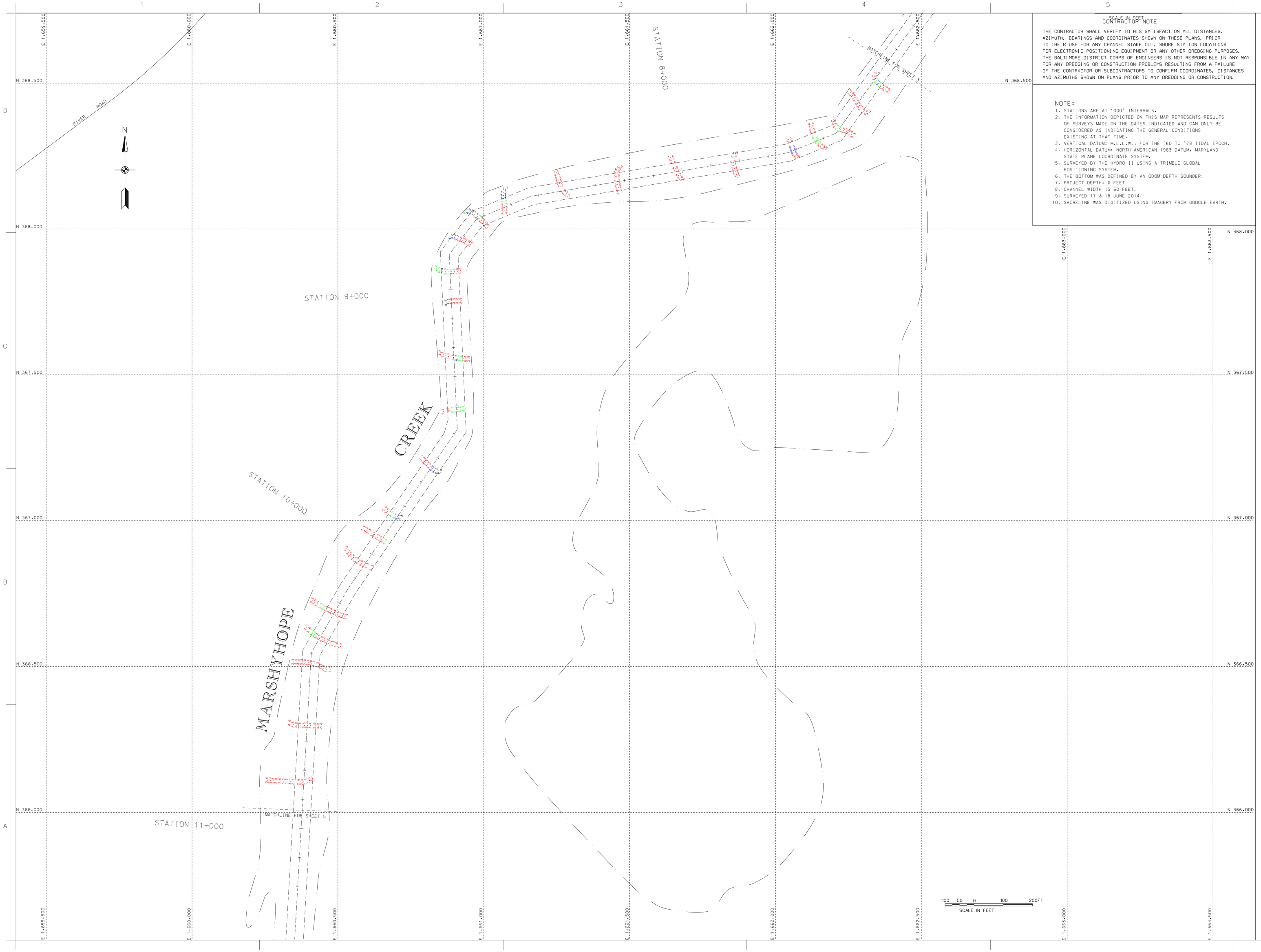
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:
Dwn by: J.M.Kerr
Chk by: SMG
Reviewed by: SMG
Submitted by: Chief, Nav. Branch
Date: 3/19/2015
Scale: 1:4
Design file no: CCP-Tubby-14-003
Drawing code:
File name(s): 03CONTRACTOR
Plot date:
Plot Scale:
Rev.

CAROLINE AND DORCHESTER COUNTIES
MARYLAND

CONDITION SURVEY
NANTICOKE RIVER - NWF
STATIONS 4+700 TO 7+400

Sheet reference number:
V-103
Sheet 3 of 10



SCALE IN FEET

CONTRACTOR NOTE

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US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

Mark	Description	Date	Appr.

Mark	Description

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

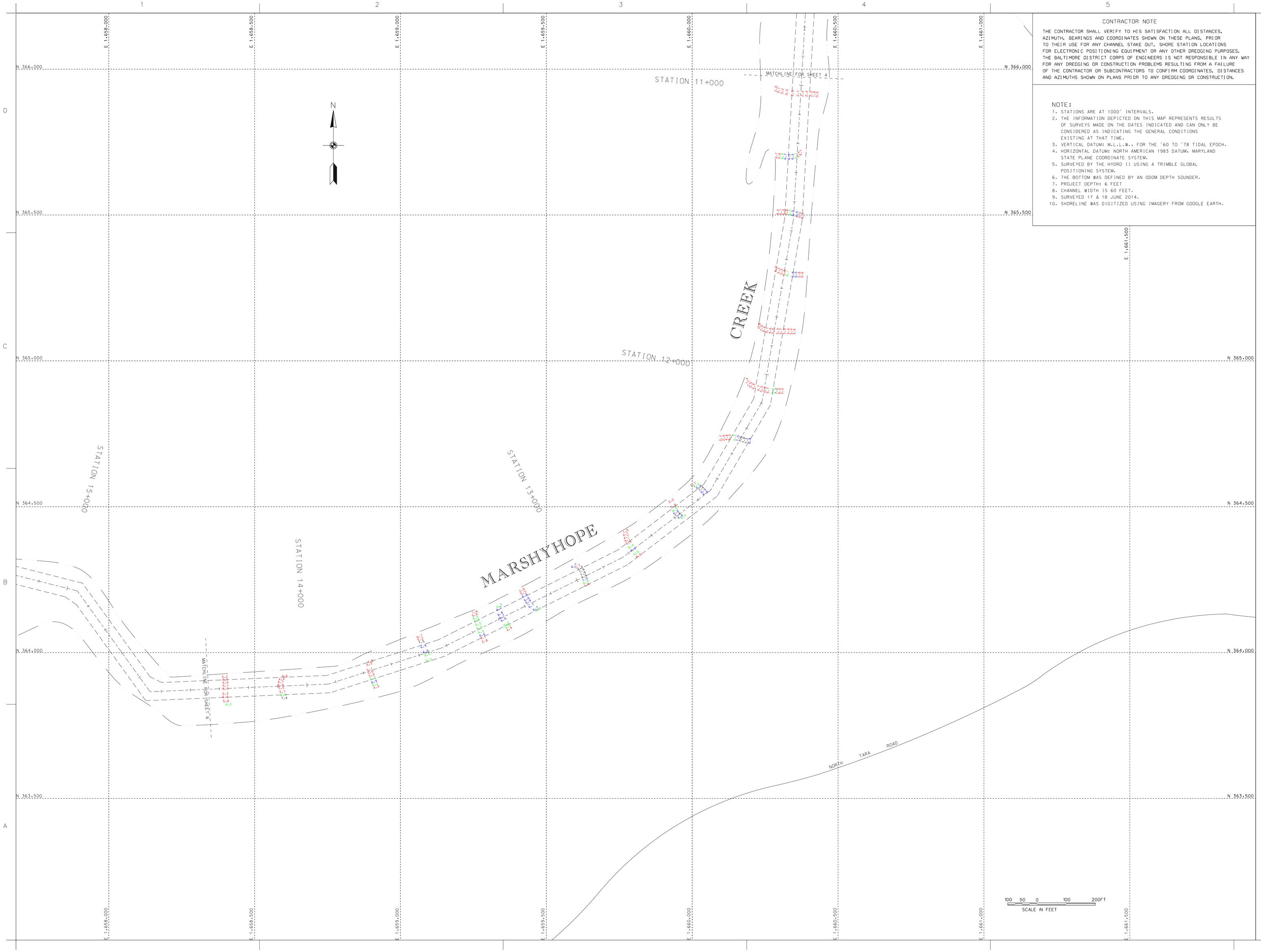
Designed by: Dwn by: JLC; Ckd by: CMC
Reviewed by: SMG
Submitted by: Chief, Nav. Branch

DONE: 7-4-2017
Design file no: 0-0-0-0-0-0-0-004
Drawing code:
Rev. number:
Plot date:
Plot scale:
Rev.

CAROLINE AND DORCHESTER COUNTIES
MARYLAND

CONDITION SURVEY
NANTICOKE RIVER - NWF
STATIONS 7+200 TO 19+300

Sheet reference number:
V-104
Sheet 4 of 10



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9. SURVEYED 17 & 18 JUNE 2014.
10. SHORELINE WAS DIGITIZED USING IMAGERY FROM GOOGLE EARTH.

US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

Mark	Description	Date	Appr.

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

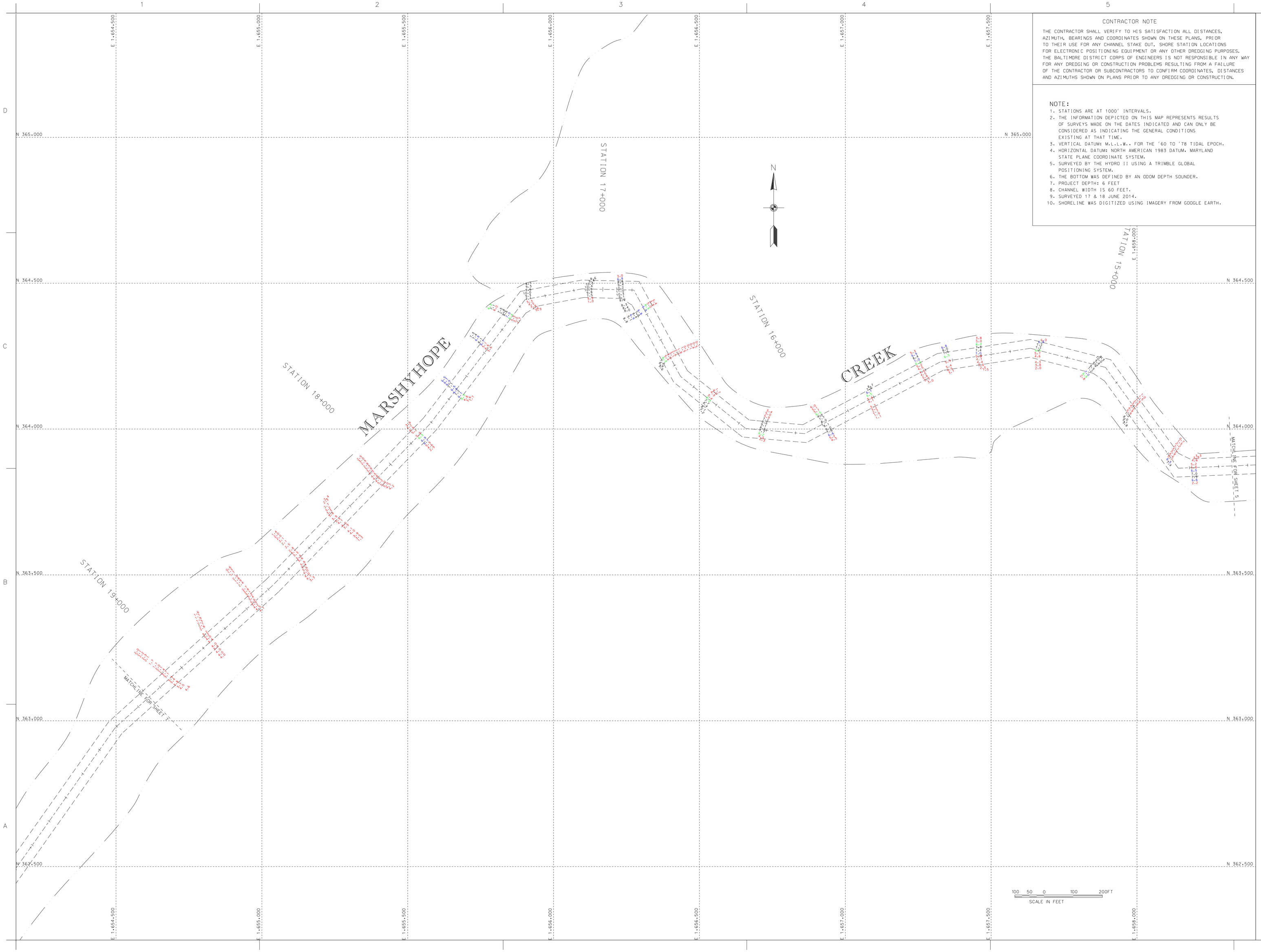
Designed by: Dwn by: CMC; Cked by: CMC; Reviewed by: SMG; Submitted by: Chief, Nav. Branch

DATE: 7-14; Design file no.: C12-2 Task-005; Drawing code:; Rev.; Rv. workgroup/filename:; Plot date:; Plot scale:

CAROLINE AND DORCHESTER COUNTIES
MARYLAND

CONDITION SURVEY
NANTICOKE RIVER, NWP
STATIONS 11+000 TO 14+500

Sheet reference number:
V-105
Sheet 5 of 10



CONTRACTOR NOTE

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8. CHANNEL WIDTH IS 60 FEET.
9. SURVEYED 17 & 18 JUNE 2014.
10. SHORELINE WAS DIGITIZED USING IMAGERY FROM GOOGLE EARTH.

US Army Corps of Engineers
Baltimore District

Mark	Date	Appr.	Description

Mark	Date	Appr.	Description

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

DUNE USE: 14; Design file no.: Cycle 1 June 06; Drawing scale:

File name: 06DMMMAN.dgn; Plot date:; Plot scale:

Rev.

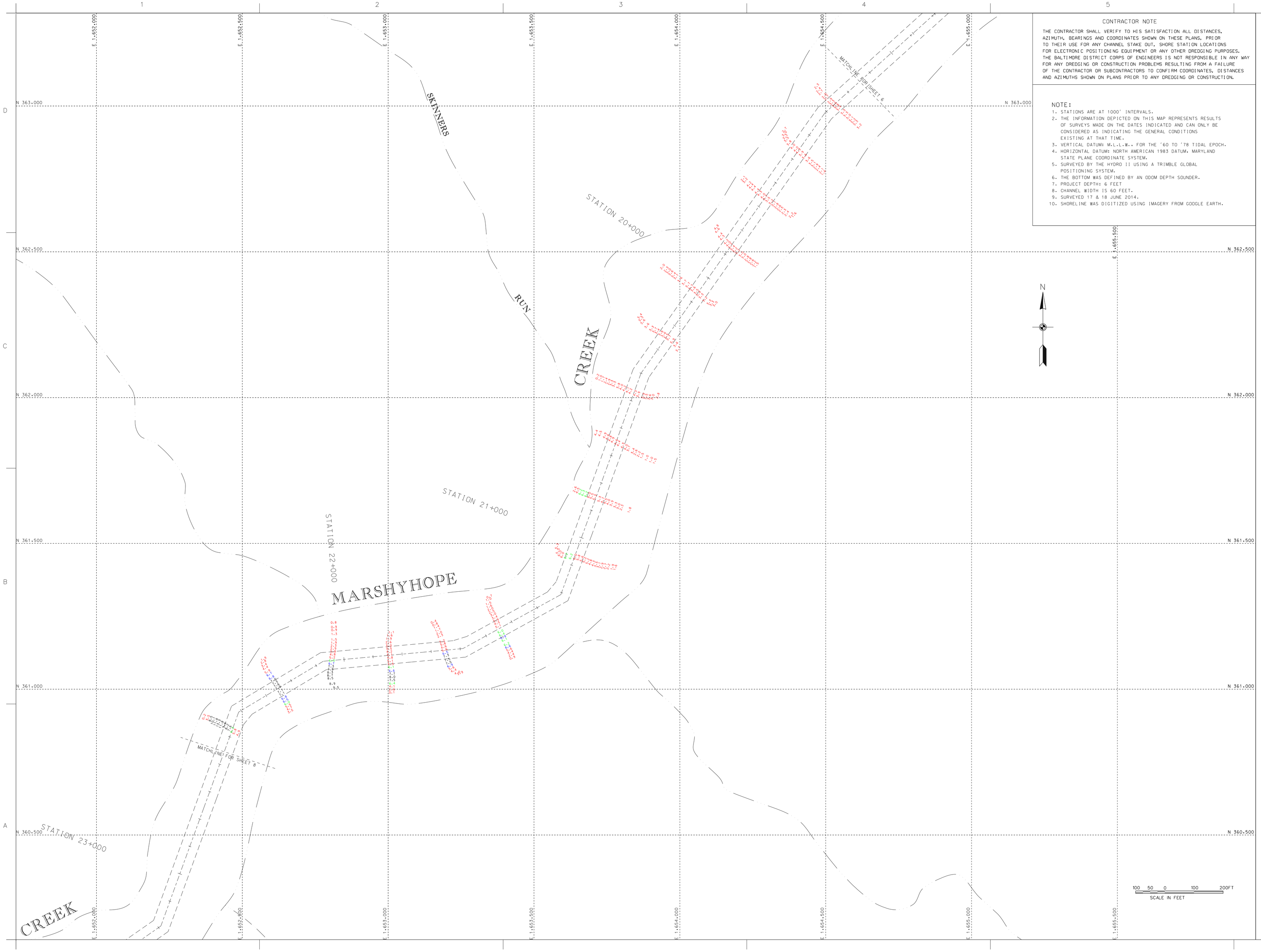
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

CAROLINE AND DORCHESTER COUNTIES
MARYLAND

CONDITION SURVEY
NANTICOKE RIVER - NWF
STATIONS 14+00 TO 19+00

18+000

Sheet reference number:
V-106
Sheet 6 of 10



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10. SHORELINE WAS DIGITIZED USING IMAGERY FROM GOOGLE EARTH.

US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

Zone: MARYLAND 1 14
Design file name: V-107 Survey to 007
Drawing code:
File name: V107_SURVEY_SURVEY_SHEETS_SHEET07
Plot date:
Plot time:

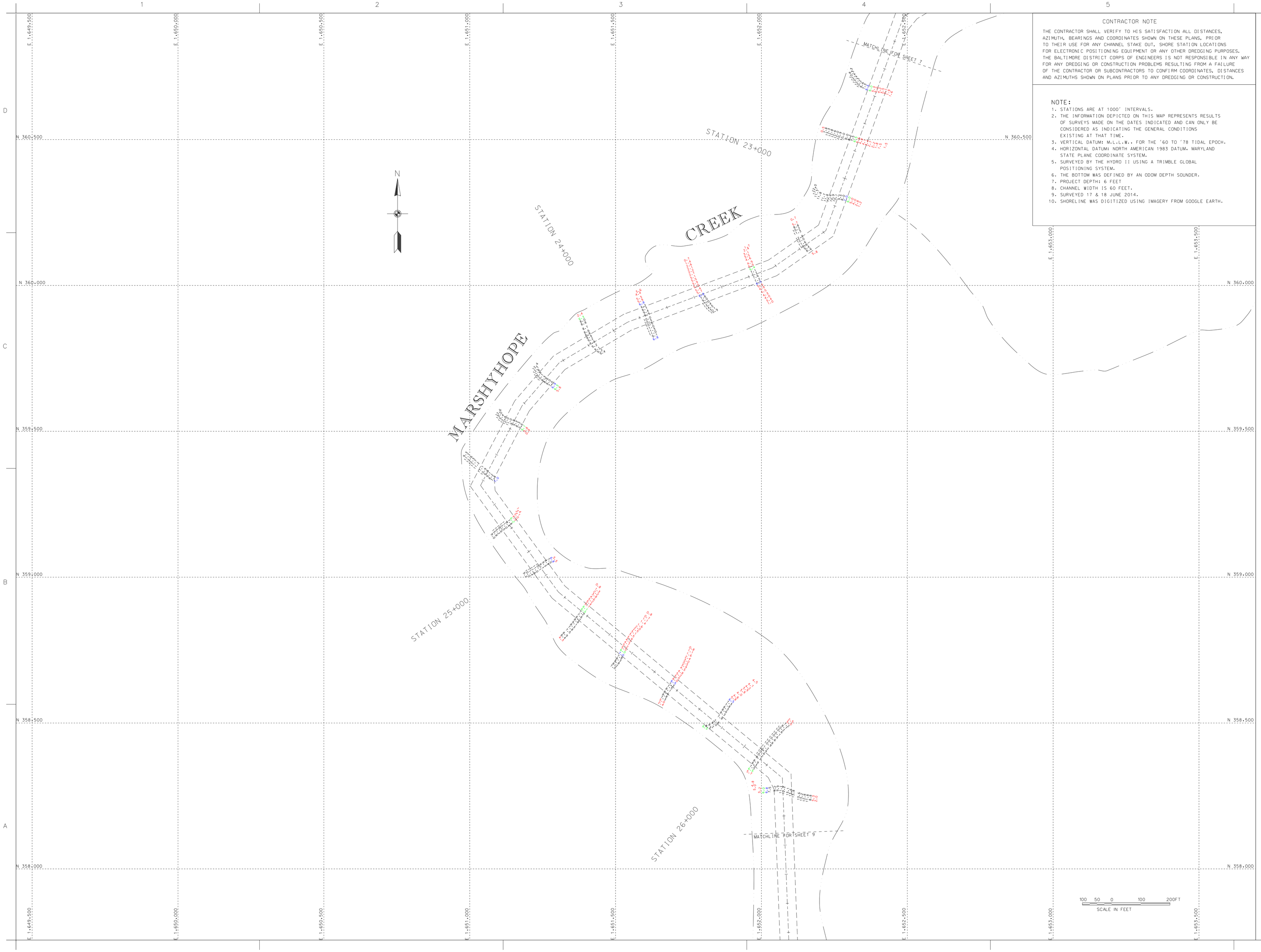
Designed by:
Date by: 2014
Chd by: SMG
Reviewed by: SMG
Submitted by: Chief, Hyd. Branch

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

CAROLINE AND DORCHESTER COUNTIES
MARYLAND

CONDITION SURVEY
NANTICOKE RIVER - NWF
STATIONS 19+200 TO 22+500

Sheet reference number:
V-107
Sheet 7 of 10



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 '60 TO '78 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: 6 FEET
8. CHANNEL WIDTH IS 60 FEET.
9. SURVEYED 17 & 18 JUNE 2014.
10. SHORELINE WAS DIGITIZED USING IMAGERY FROM GOOGLE EARTH.

US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

Mark	Description	Date	Appr.

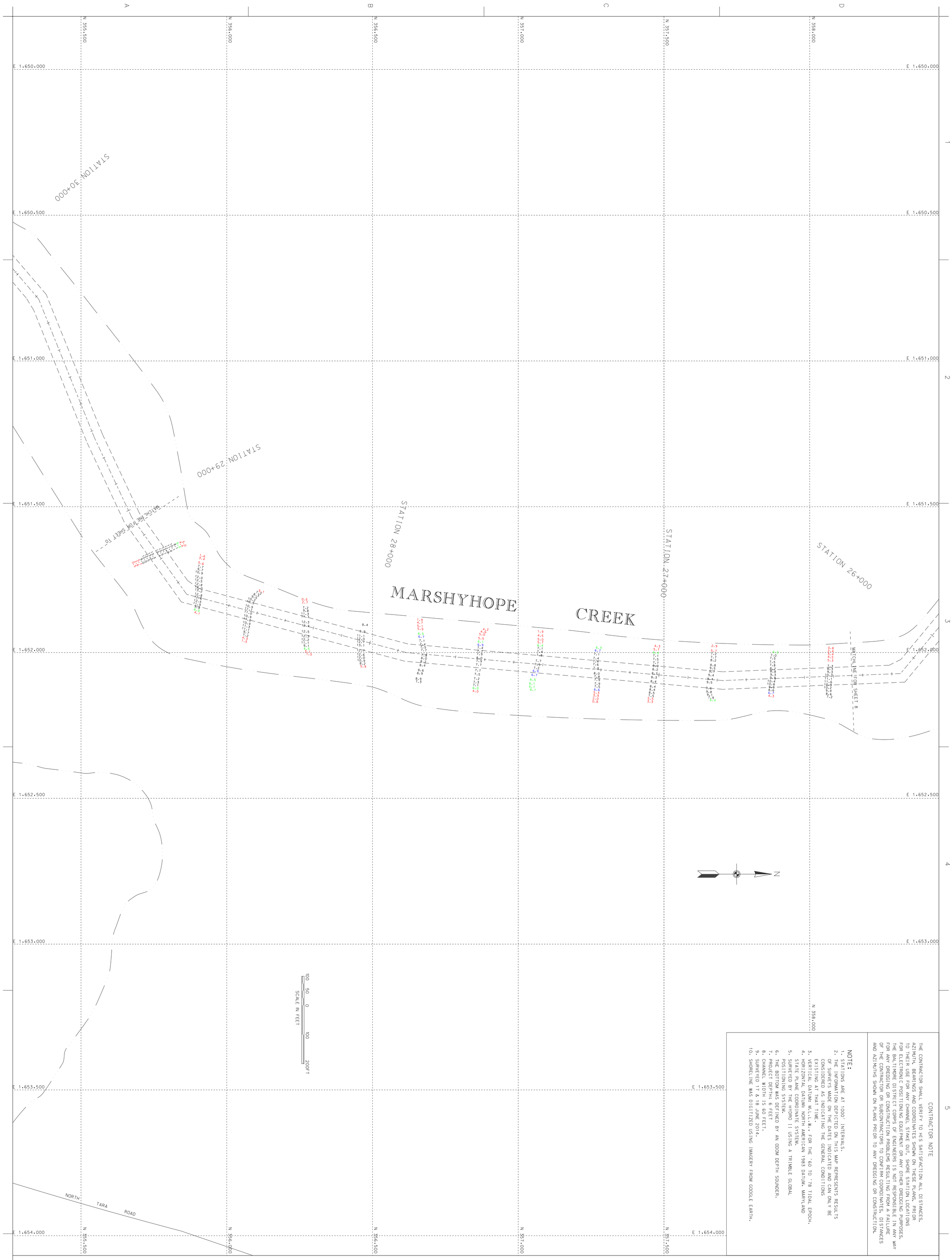
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by: JMC
Date by: 7/14
Cost by: SMG
Date by: 7/14
Reviewed by: SMG
Submitted by: Chief, Nav. Branch
Date: 2/2014
Design file no: CD-14-08
Drawing code:
File location: 0000NAVIGATION
Plot date:
Plot scale:
Rev.

CAROLINE AND DORCHESTER COUNTIES
MARYLAND

CONDITION SURVEY
NANTICOKE RIVER - NWF
STATIONS 22+000 TO 29+500

Sheet reference number:
V-108
Sheet 8 of 10



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Sheet reference number: V-109
Sheet 9 of 10

CAROLINE AND DORCHESTER COUNTIES
MARYLAND

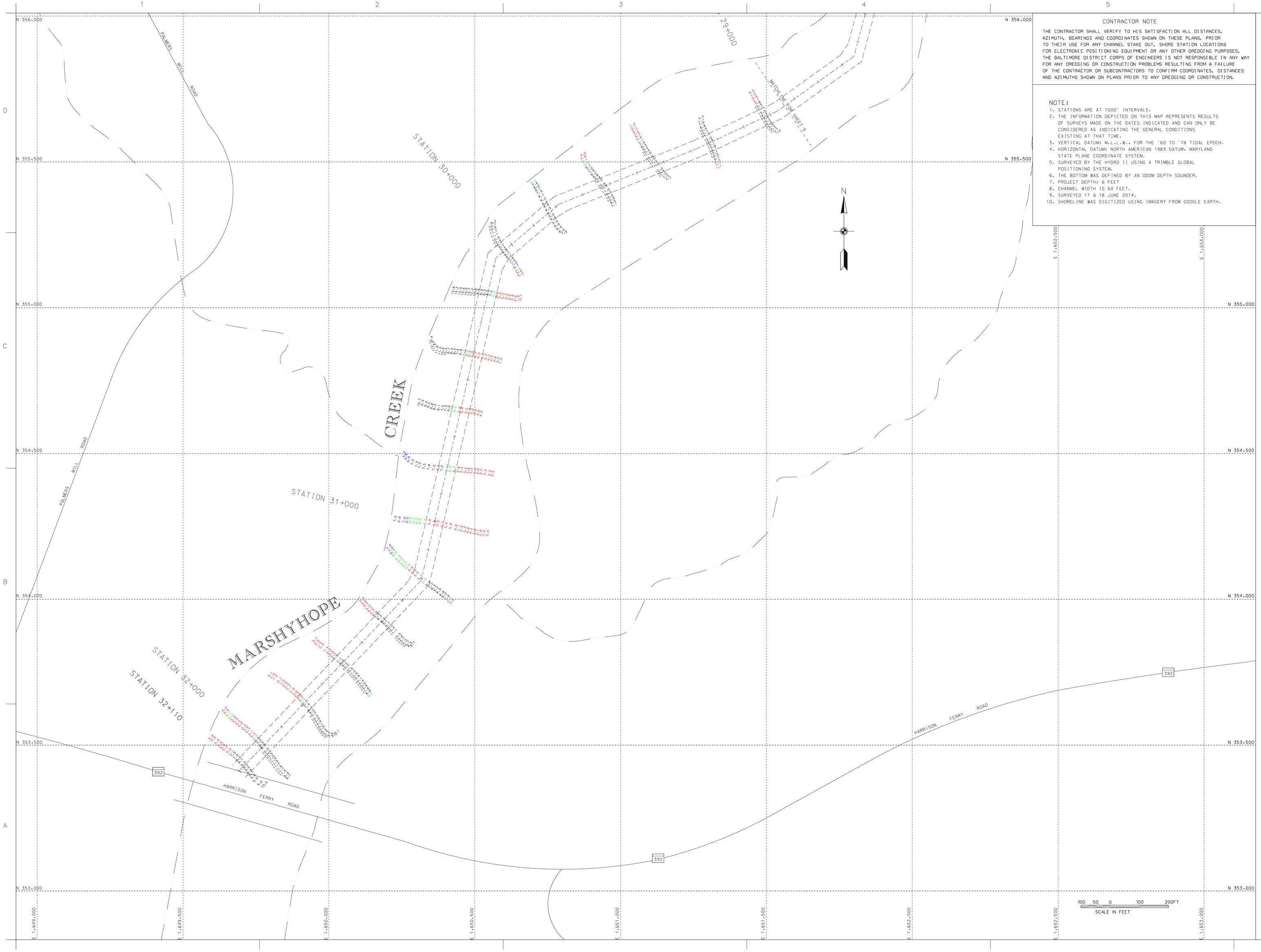
CONDITION SURVEY
NANTICOKE RIVER - NWF
STATIONS 26+400 TO 28+900

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:		Date: JUNE '14	Rev.
Dwn by: JAH	Ckd by: SMG	Design file no. FILE: 2 MAP: 14-009	
Reviewed by: SMG		Drawing code:	
Submitted by: Chief, Nav. Branch		File name: SH01_10C037NW8JUN2014 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.

Designed by: JMB
Date by: 7-14
Cxd by: DMG
Date by: 7-14
Reviewed by: SMG
Submitted by: Chief, Hyd. Branch

Zone: CHARLIE - 114
Design file no: 0122-0110 to 0130
Drawing code:
File name: 0122-0110-0130-CHARLIE-114.dgn
Plot date:
Plot time:

Rev.

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

CAROLINE AND DORCHESTER COUNTIES
MARYLAND

CONDITION SURVEY
NANTICOKE RIVER - NWF
STATIONS 29+000 TO 32+110

Sheet reference number:
V-110
Sheet 10 of 10