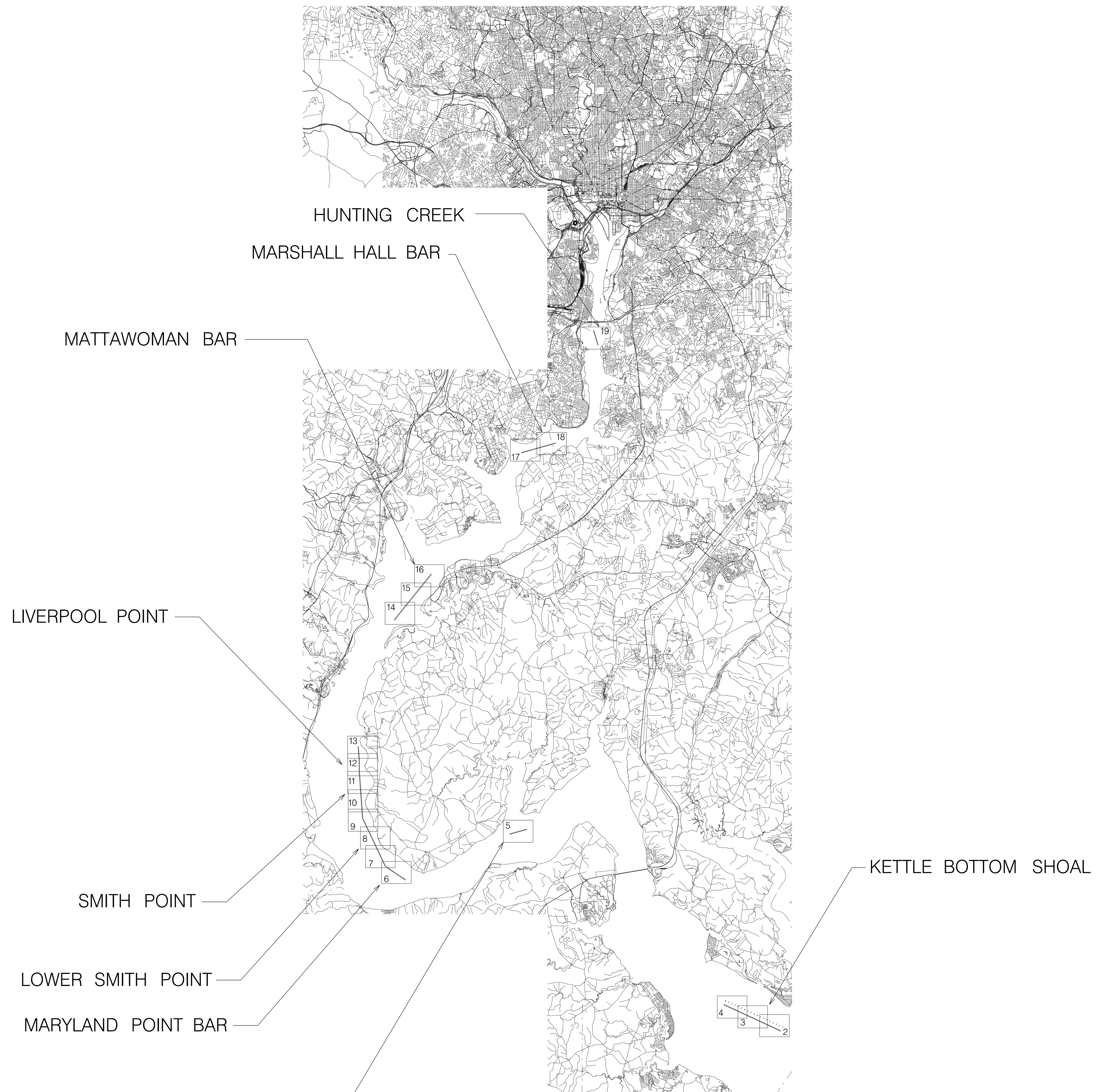
POTOMAC RIVER CONDITION SURVEYS



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3	KETTLE BOTTOM STA. 6+000 TO 12+500	FILE: B-60 MAP: 14-003
4	KETTLE BOTTOM STA. 12+600 TO 18+000	FILE: B-60 MAP: 14-004
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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: AUGUST '14 | Rev.
Dwn by: JAH | Ckd by: SMG | Design file no. FILE:B-60 MAP:14-001
Reviewed by: SMG | Drawing code:
Submitted by: Chief, Nav. Branch | File name:SH01_19C105AUG2014 | Plot date: | Plot scale:

POTOMAC RIVER ABOVE AND BELOW D.C
MARYLAND

COVER SHEET
POTOMAC RIVER

Sheet reference number:
V-001
Sheet 1 of 19

KETTLE BOTTOM SHOAL CHANNEL COORDINATES

STATION	BEARING	AZIMUTH	RIGHT SIDE	CENTERLINE	LEFT SIDE
0.00	N 65 12 4.1 W	294 47 51.98	1355293.01 207468.53	1355251.07 207377.75	1355209.13 207286.97
18+000.00			1358952.54 215018.12	1358910.59 214927.34	1358868.65 214836.56

TIDAL BENCH MARK

TIDAL BENCH MARK IS BENCH MARK NEALE.
BENCH MARK IS A STANDARD C.O.E. DISK STAMPED "NEALE 1997". FROM BALTIMORE TAKE ROUTE 97 SOUTH. TAKE EXIT FOR ROUTE 3. ROUTE 3 TURNS BECOMES ROUTE 301. FIVE MILES PRIOR TO ROUTE 301 BRIDGE MAKE A LEFT AT ROUTE 257 AND FOLLOW TO ALMOST THE DEAD END. MAKE A RIGHT ON ROUTE 254. BEAR TO THE LEFT AND GO OVER BRIDGE AND FOLLOW ROAD TO DEAD END (COBB ISLAND ROAD). AT DEAD END MAKE A RIGHT ONTO POTOMAC RIVER DRIVE. AT THE END OF THE ROAD YOU WILL ARRIVE AT HOUSE #14906 ON THE RIGHT. AS YOU ENTER THE GATE MAK A 90 DEGREE LEFT TURN AND GO STRAIGHT TO THE TOP OF THE BANK. THE POINT IS LOCATED IN AN ALMOST STRAIGHT LINE WITH THE FENCE OF THE HOUSE PERPENDICULARLY BISECTING THE TOP OF BANK. POINT IS 2.5 INCHES BELOW THE SURFACE.

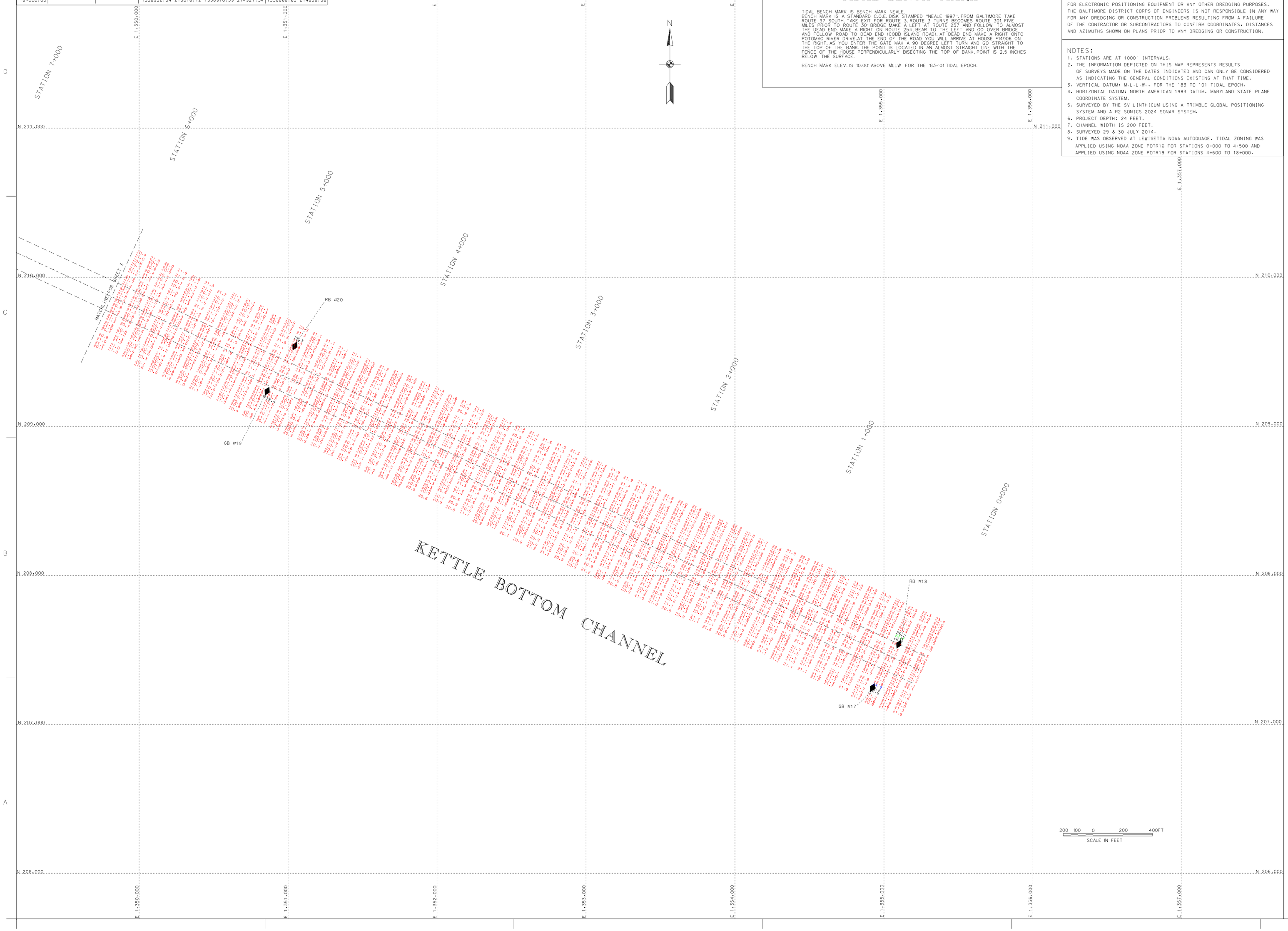
BENCH MARK ELEV. IS 10.00' ABOVE MLLW FOR THE '83-'01 TIDAL EPOCH.

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.

NOTES:

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 SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM AND A R2 SONICS 2024 SONAR SYSTEM.
6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 29 & 30 JULY 2014.
9. TIDE WAS OBSERVED AT LEWISETTA NOAA AUTOGUAGE. TIDAL ZONING WAS APPLIED USING NOAA ZONE POTR16 FOR STATIONS 0+000 TO 4+500 AND APPLIED USING NOAA ZONE POTR19 FOR STATIONS 4+600 TO 18+000.



US Army Corps of Engineers
Baltimore District

Mark	Date	Appr.	Description

Date	Rev.
AUGUST '14	

Design file no. MAP-14-002
Check: JOBC

File name: PHC-CB2014A0204
Proj. date:
Proj. scale:

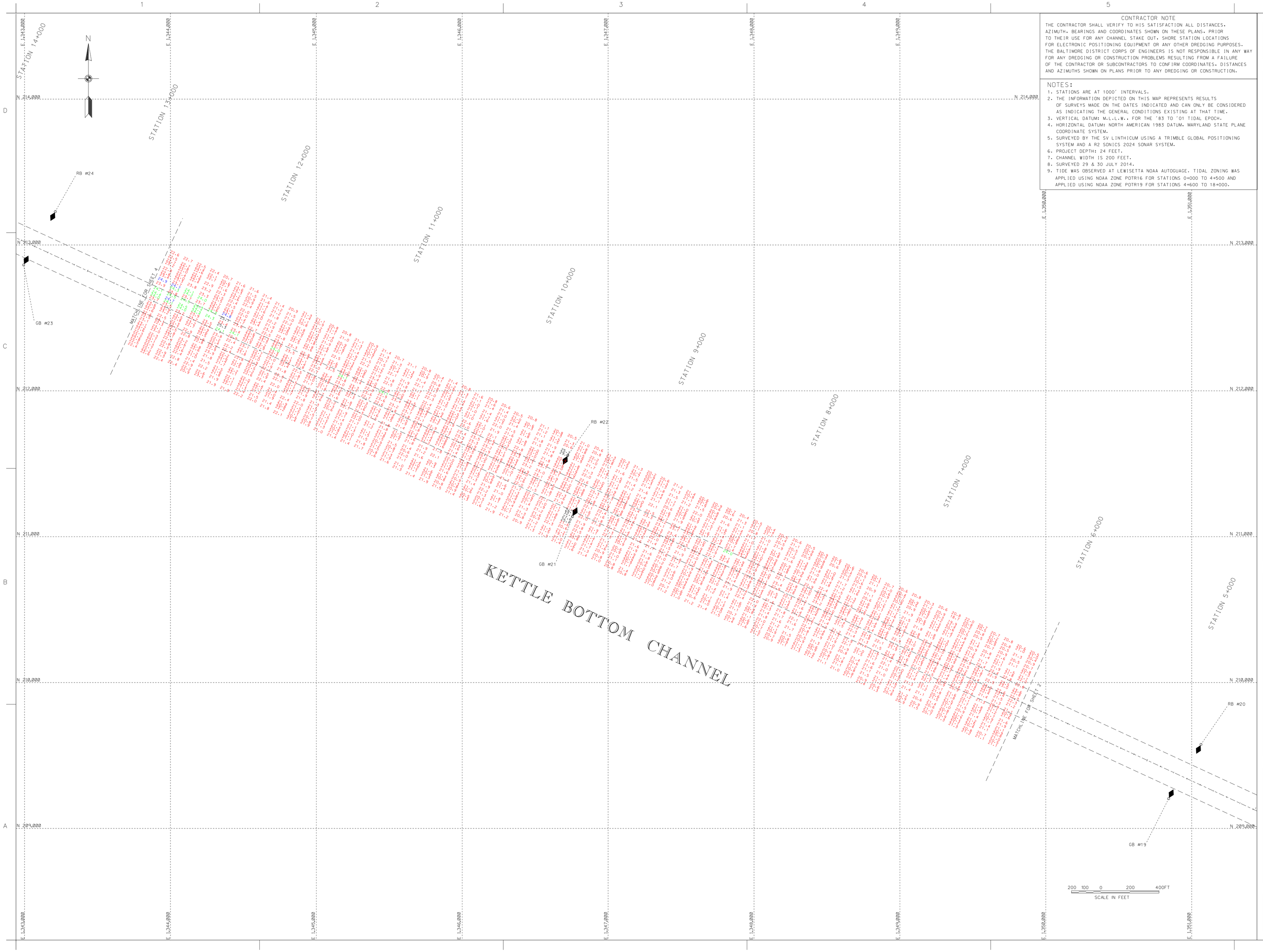
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

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

POTOMAC RIVER BELOW WASHINGTON D.C.
MARYLAND

CONDITION SURVEY
KETTLE BOTTOM SHOAL
STATION 0+000 TO 5+900

Sheet reference number:
V-102
Sheet 2 of 19



CONTRACTOR NOTE

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NOTES:

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4. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM, MARYLAND STATE PLANE COORDINATE SYSTEM.
5. SURVEYED BY THE SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM AND A R2 SONICS 2024 SONAR SYSTEM.
6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 29 & 30 JULY 2014.
9. TIDE WAS OBSERVED AT LEWISETTA NOAA AUTOGUAGE. TIDAL ZONING WAS APPLIED USING NOAA ZONE POTR16 FOR STATIONS 0+000 TO 4+500 AND APPLIED USING NOAA ZONE POTR19 FOR STATIONS 4+600 TO 18+000.

US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

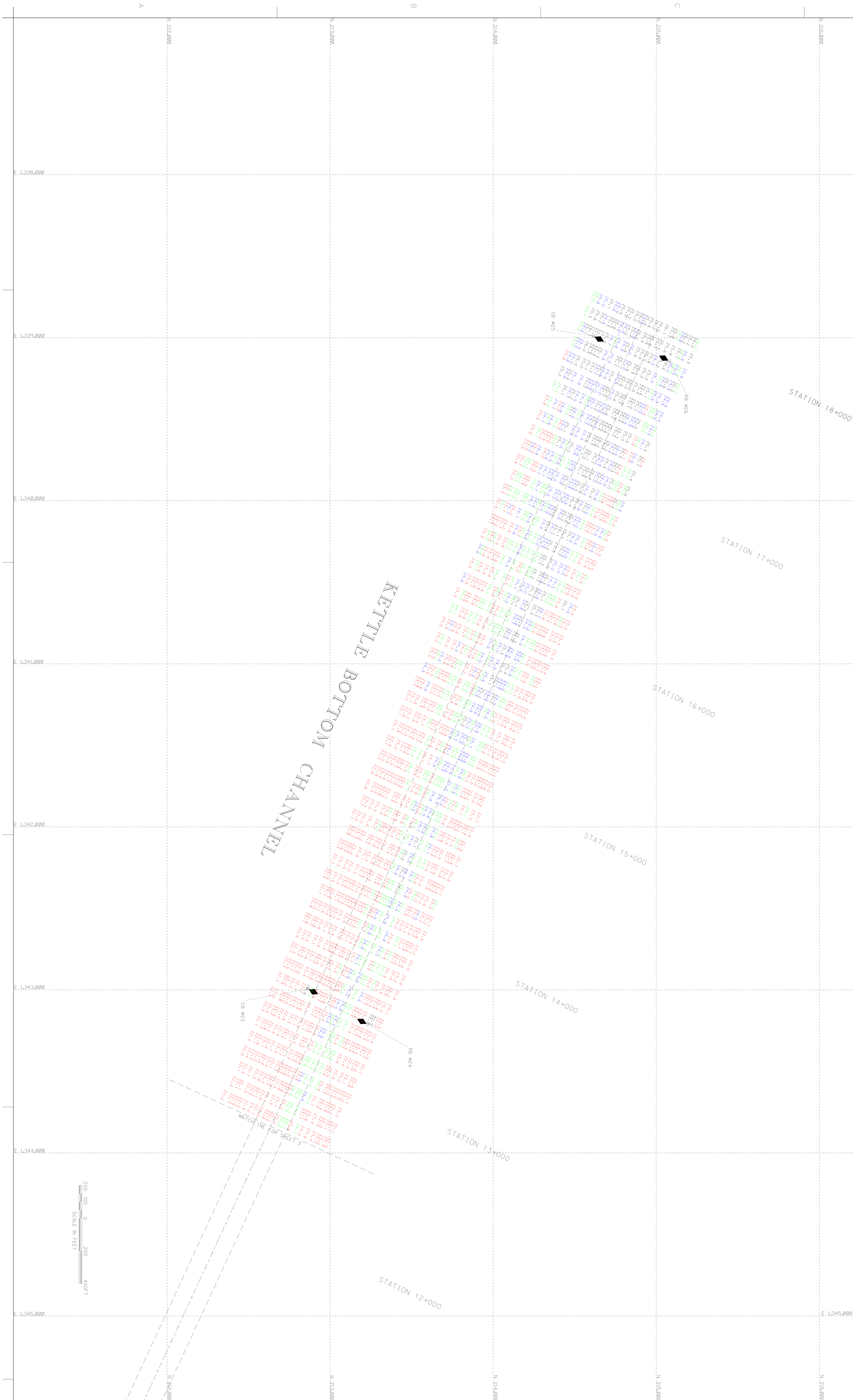
Designed by:	Rev.
Dwn by: JULIA M.	Date: AUGUST '14
Ckd by:	Plotted on: 7/12/2016
Reviewed by: SMC	Drawing scale:
Submitted by:	File name: PHOT_RECONNAISSANCE
Check Nav. Branch	Plot scale: Plot scale:

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

POTOMAC RIVER BELOW WASHINGTON D.C.
MARYLAND

CONDITION SURVEY
KETTLE BOTTOM SHOAL
STATION 6+000 TO 12+500

Sheet reference number:
V-103
Sheet 3 of 19



CONTRACTOR NOTE

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4. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM, MARYLAND STATE PLANE COORDINATE SYSTEM.
5. SURVEYED BY THE SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM AND A R2 SONICS 2024 SONAR SYSTEM.
6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 29 & 30 JULY 2014.
9. TIDE WAS OBSERVED AT LEWISETTA NOAA AUTOGUAGE. TIDAL ZONING WAS APPLIED USING NOAA ZONE POTR16 FOR STATIONS 0+000 TO 4+500 AND APPLIED USING NOAA ZONE POTR19 FOR STATIONS 4+600 TO 18+000.

Sheet reference number: V-104
Sheet 4 of 19

POTOMAC RIVER BELOW WASHINGTON D.C.
MARYLAND

CONDITION SURVEY
KETTLE BOTTOM SHOAL
STATION 12+600 TO 18+000

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:		Date: AUGUST '14	Rev.
Dwn by: JAH	Ckd by: SMG	Design file no. FILE: B-60 MAP: 14-004	
Reviewed by: SMG		Drawing code:	
Submitted by: Chief, Nav. Branch		File name: SH01_19C105AUG2014 Plot date: Plot scale:	

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

US Army Corps of Engineers
Baltimore District

NANJEMOY BAR CHANNEL COORDINATES

CENTERLINE FILE:CLNJB6A

STATION	BEARING	AZIMUTH	RIGHT SIDE	CENTERLINE	LEFT SIDE
0.00	N 74 56.4 E	74 19 56.4	1282598.31 265018.82	1282571.30 265115.10	1282544.29 265211.38
5+200.00			1277591.51 263614.52	1277564.50 263710.80	1277537.49 263807.08

TIDAL BENCH MARK

TIDAL BENCH MARK IS BENCH MARK 44-01.
BENCH MARK IS A STANDARD C.O.E. DISK STAMPED "44-01".

BENCH MAKR ELEV. IS 4.33 FEET ABOVE MLLW FOR THE '83-'01 TIDAL EPOCH.

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.

NOTES:

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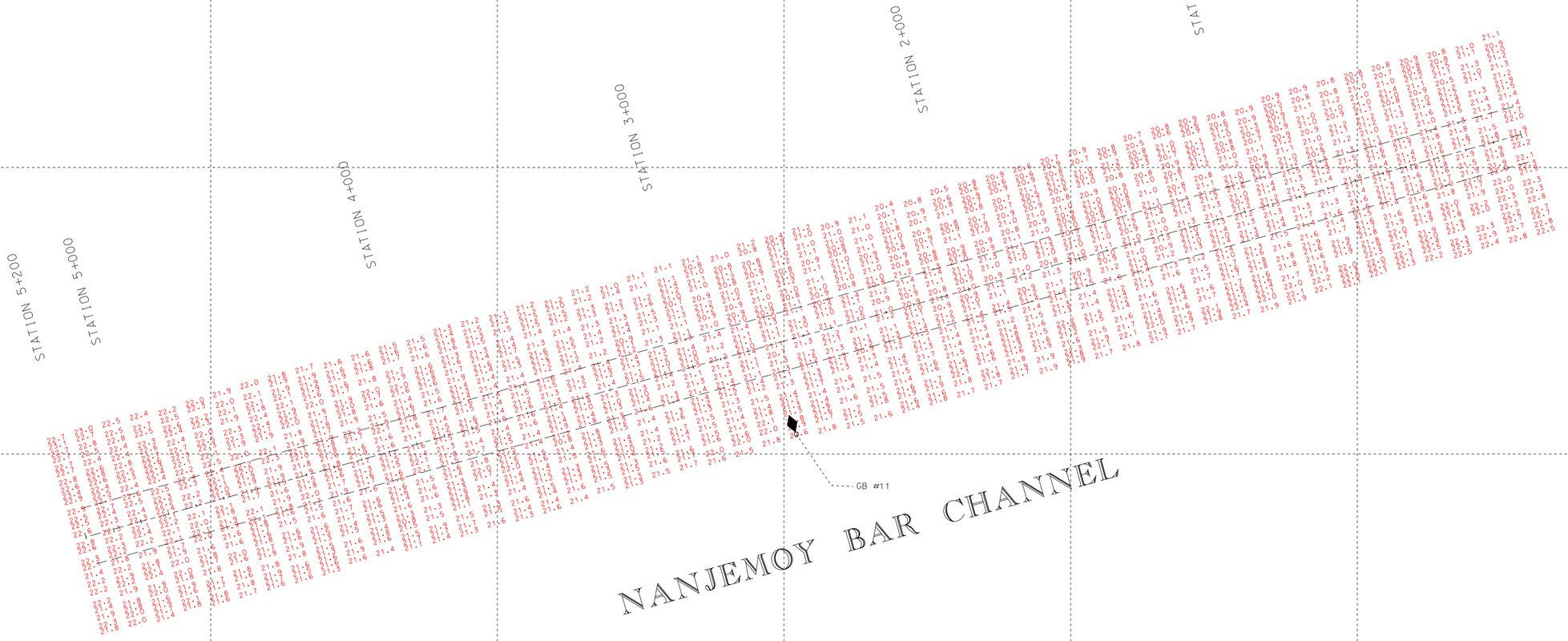
3. VERTICAL DATUM: M.L.L.W.. FOR THE '83 TO '01 TIDAL EPOCH.
4. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM. MARYLAND STATE PLANE COORDINATE SYSTEM.
5. SURVEYED BY THE SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM AND A R2 SONICS 2024 SONAR SYSTEM.
6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 24 JULY 2014.
9. TIDE WAS OBSERVED AT LEWISETTA NOAA AUTOGUAGE. TIDAL ZONING WAS APPLIED USING NOAA ZONE POTR28.



US Army Corps of Engineers
Baltimore District

Mark	Appr.	Date	Description

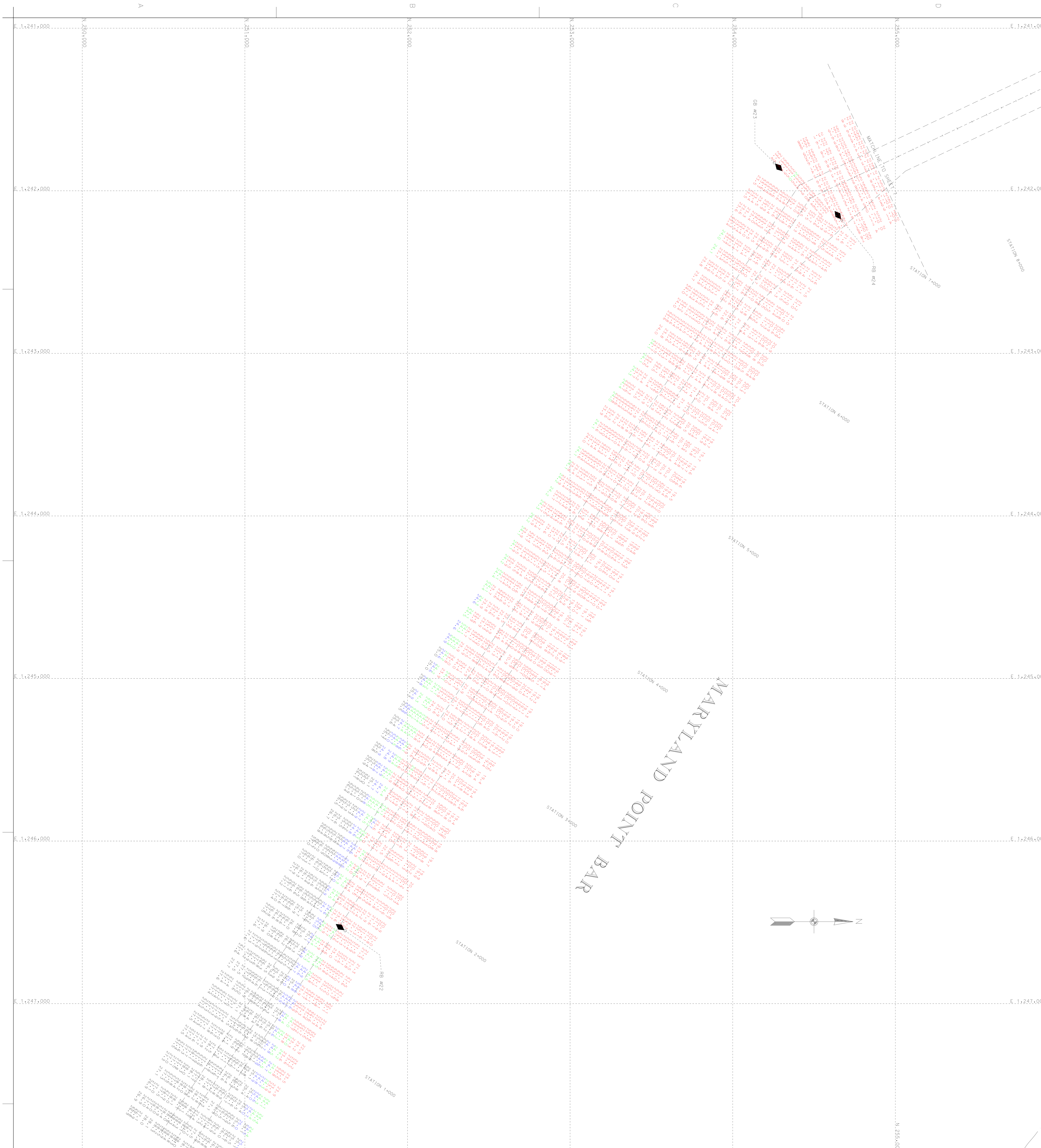
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by: JM
Date: AUGUST '14
Rev.
Dwn by: JM
Ckd by: DBC
Design file no: C:\CD-105\V-105.dgn
Reviewed by: SMC
Drawing scale:
Submitted by:
File name: NJCMB6A.DGN
Plot date:
Plot scale:
Chief, Nav. Branch

POTOMAC RIVER BELOW WASHINGTON D.C.
MARYLAND

CONDITION SURVEY
NANJEMOY BAR
STATION 0+000 TO 5+200

Sheet reference number:
V-105
Sheet 5 of 19



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5. SURVEYED BY THE SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM AND A R2 SONICS 2024 SONAR SYSTEM.
6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 17 & 23 JULY 2014.
9. TIDE FOR STATIONS 0+000 TO 33+200 WAS OBSERVED AT LEWISETTA NOAA AUTOGUAGE. TIDE FOR STATIONS 33+300 TO 42+857 WAS OBSERVED AT WASHINGTON D.C. NOAA AUTOGUAGE. THE FOLLOWING TIDAL ZONES WERE USED:
   0+000 TO 5+500 - POTR33
   5+600 TO 12+100 - POTR34
   12+200 TO 17+900 - POTR35
   18+000 TO 24+000 - POTR36
   24+100 TO 33+200 - POTR39
   33+300 TO 42+857 - POTR40

Sheet reference number:	V-106
	Sheet 6 of 19

POTOMAC RIVER BELOW WASHINGTON D.C.
MARYLAND

CONDITION SURVEY
MARYLAND POINT BAR
STATION 0+000 TO 7+400

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:		Date: AUGUST '14	Rev.
Dwn by: JAH	Ckd by: SMG	Design file no. FILE: B-60 MAP: 14-006	
Reviewed by: SMG		Drawing code:	
Submitted by:		File name: SH01_19C105AUG2014	
Chief, Nav. Branch		Plot date: / Plot scale:	

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

US Army Corps of Engineers
Baltimore District

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: AUGUST '14
Rev.
Dwn by: JAH
Ckd by: SMG
Design file no: FILE: B-60 MAP: 14-007
Reviewed by: SMG
Drawing code:
Submitted by:
File name:SHOL_19C105AUC2014
Plot date:
Plot scale:
Chief, Nav. Branch

POTOMAC RIVER BELOW WASHINGTON D.C.
MARYLAND

CONDITION SURVEY
MARYLAND POINT BAR
STATION 7+500 TO 13+100

Sheet reference number:
V-107
Sheet 7 of 19

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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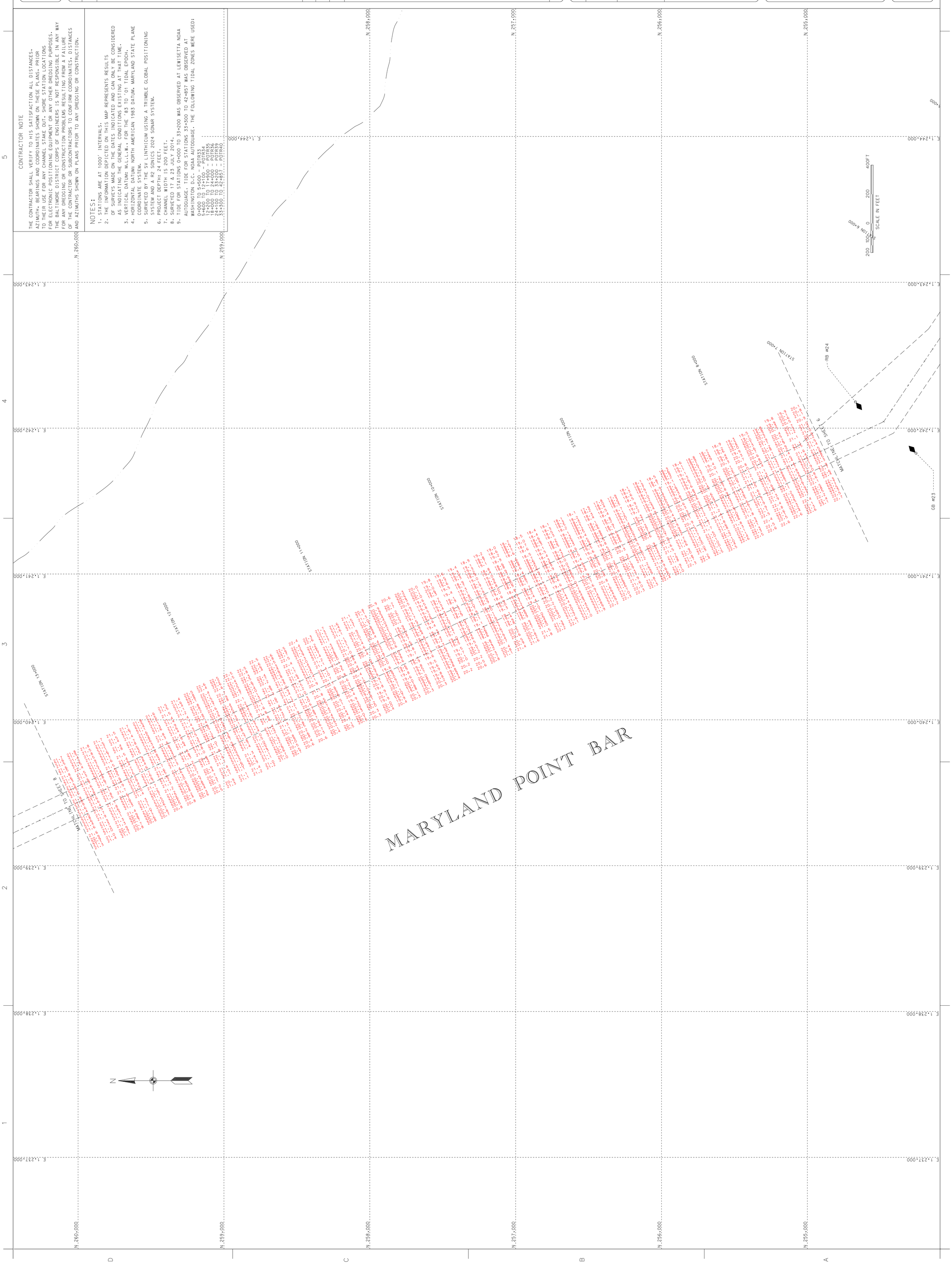
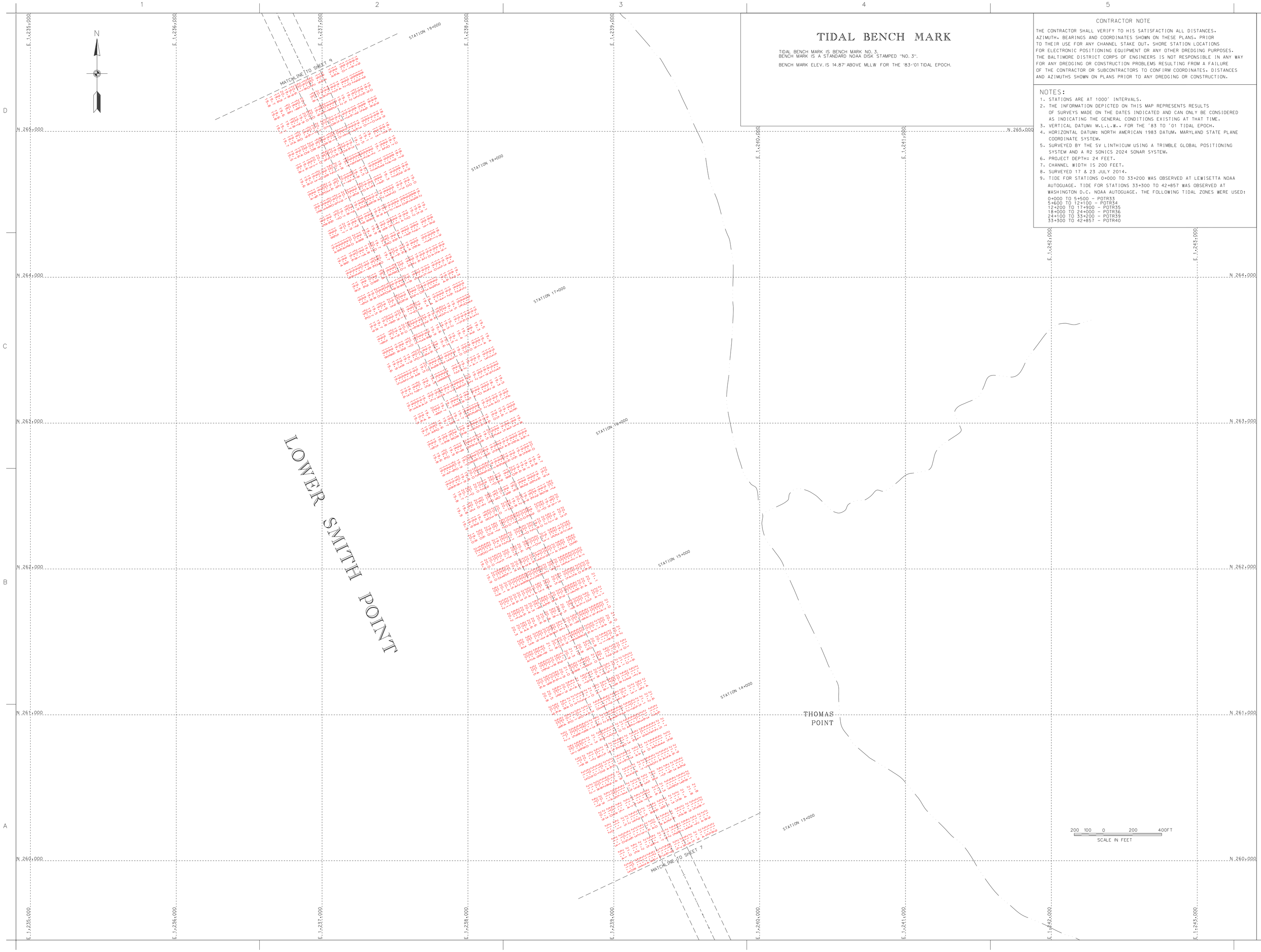
4. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM, MARYLAND STATE PLANE COORDINATE SYSTEM.
5. SURVEYED BY THE SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM AND A R2 SONICS 2024 SONAR SYSTEM.
6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 17 & 23 JULY 2014.
9. TIDE FOR STATIONS 0+000 TO 33+200 WAS OBSERVED AT LEWISETTA NOAA AUTOGUAGE. TIDE FOR STATIONS 33+300 TO 42+857 WAS OBSERVED AT WASHINGTON D.C. NOAA AUTOGUAGE. THE FOLLOWING TIDAL ZONES WERE USED:

0+000 TO 5+500 – POTR33
5+600 TO 12+100 – POTR34
12+200 TO 17+900 – POTR35
18+000 TO 24+000 – POTR36
24+100 TO 33+200 – POTR39
33+300 TO 42+857 – POTR40





TIDAL BENCH MARK

TIDAL BENCH MARK IS BENCH MARK NO. 3.
BENCH MARK IS A STANDARD NOAA DISK STAMPED "NO. 3".

BENCH MARK ELEV. IS 14.87' ABOVE MLLW FOR THE '83-'01 TIDAL EPOCH.

CONTRACTOR NOTE

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6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 17 & 23 JULY 2014.
9. TIDE FOR STATIONS 0+000 TO 33+200 WAS OBSERVED AT LEWISETTA NOAA AUTOGUAGE. TIDE FOR STATIONS 33+300 TO 42+857 WAS OBSERVED AT WASHINGTON D.C. NOAA AUTOGUAGE. THE FOLLOWING TIDAL ZONES WERE USED:
   0+000 TO 5+500 - POTR33
   5+600 TO 12+100 - POTR34
   12+200 TO 17+800 - POTR35
   18+000 TO 24+000 - POTR36
   24+100 TO 33+200 - POTR39
   33+300 TO 42+857 - POTR40

US Army Corps of Engineers
Baltimore District

Mark	Appr.	Date	Description

Mark	Appr.	Date	Description

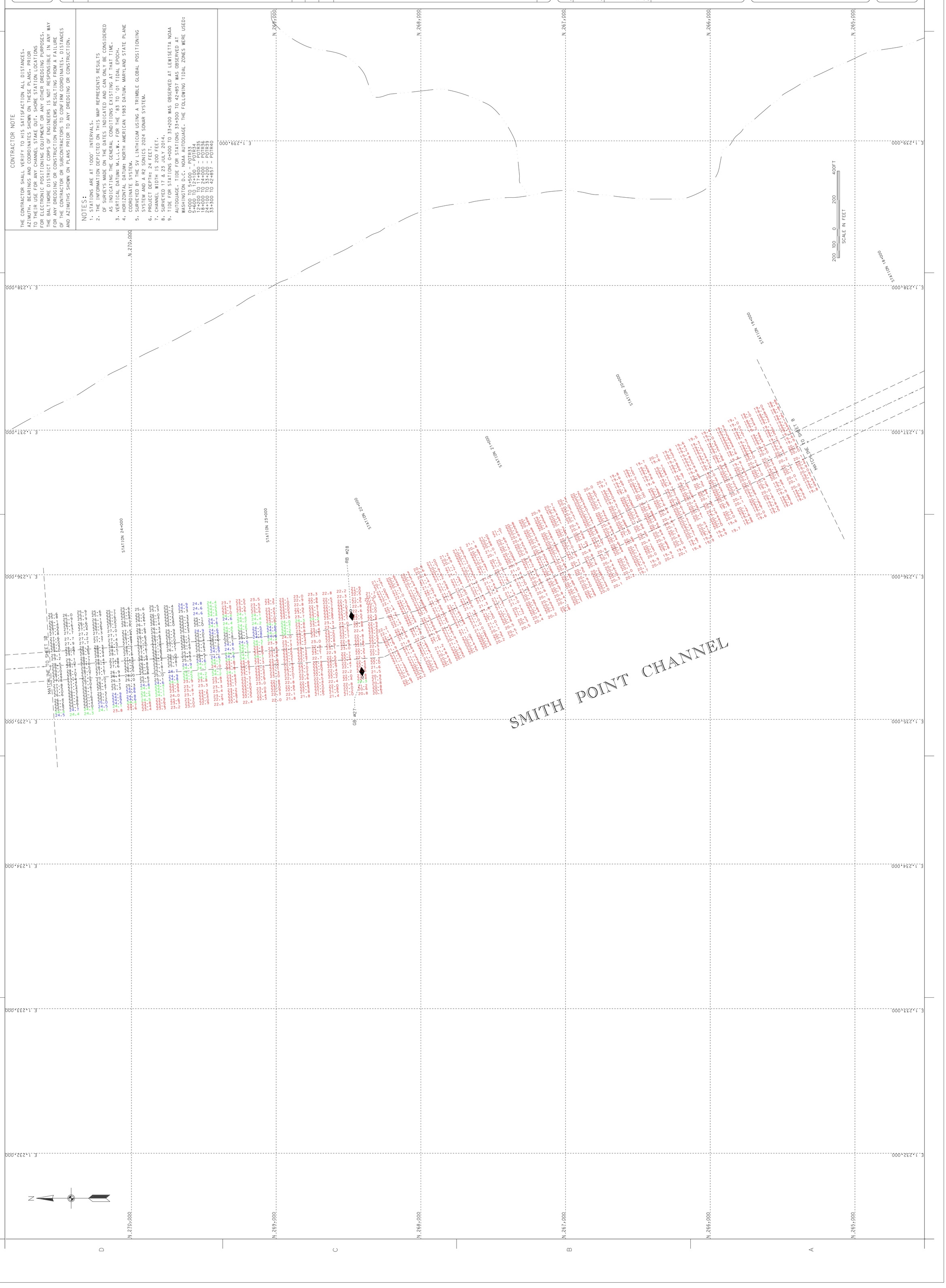
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:
Dwn by: JAS
Checked by: SMC
Submitted by:
Chief, Nav. Br. Branch
Date: AUGUST '18
Scale: 1:2400
Contract No. W912DS-14-D-0018
Drawing No. 0001
File name: POTO_SURVEY_20140723.DWG
Plot date:
Plot scale:
Rev.

POTOMAC RIVER BELOW WASHINGTON D.C.
MARYLAND

CONDITION SURVEY
LOWER SMITH POINT
STATION 13+200 TO 19+000

Sheet reference number:
V-108
Sheet 8 of 19



CONTRACTOR NOTE

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6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 17 & 23 JULY 2014.
9. TIDE FOR STATIONS 0+000 TO 33+200 WAS OBSERVED AT LEWISETTA NOAA AUTOGUAGE. TIDE FOR STATIONS 33+300 TO 42+857 WAS OBSERVED AT WASHINGTON D.C. NOAA AUTOGUAGE. THE FOLLOWING TIDAL ZONES WERE USED:

0+000 TO 5+500	POTR33
5+600 TO 12+100	POTR34
12+200 TO 17+900	POTR35
18+000 TO 24+000	POTR36
24+100 TO 33+200	POTR39
33+300 TO 42+857	POTR40

Sheet reference number: V-109
Sheet 9 of 19

POTOMAC RIVER BELOW WASHINGTON D.C.
MARYLAND

CONDITION SURVEY
SMITH POINT CHANNEL
STATION 19+100 TO 24+500

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:		Date: AUGUST '14	Rev.
Dsn by: JAH	Ckd by: SMG	Design file no. FILE: B-60 MAP: 14-009	
Reviewed by: SMG		Drawing code:	
Submitted by: Chief, Nav. Branch		File name: SH01_19C105AUG2014 Plot date: Plot scale:	

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

US Army Corps of Engineers
Baltimore District

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: AUGUST '14
Dwn by: JAH	Ckd by: SMG	Design file no: FILE: B-60 MAP: 14-010
Reviewed by: SMG		Drawing code:
Submitted by:		File name:SHOL_19C105AUC2014 Plot date: Plot scale:
Chief, Nav. Branch		

POTOMAC RIVER BELOW WASHINGTON D.C.
MARYLAND
CONDITION SURVEY
SMITH POINT CHANNEL
STATION 24+600 TO 30+000

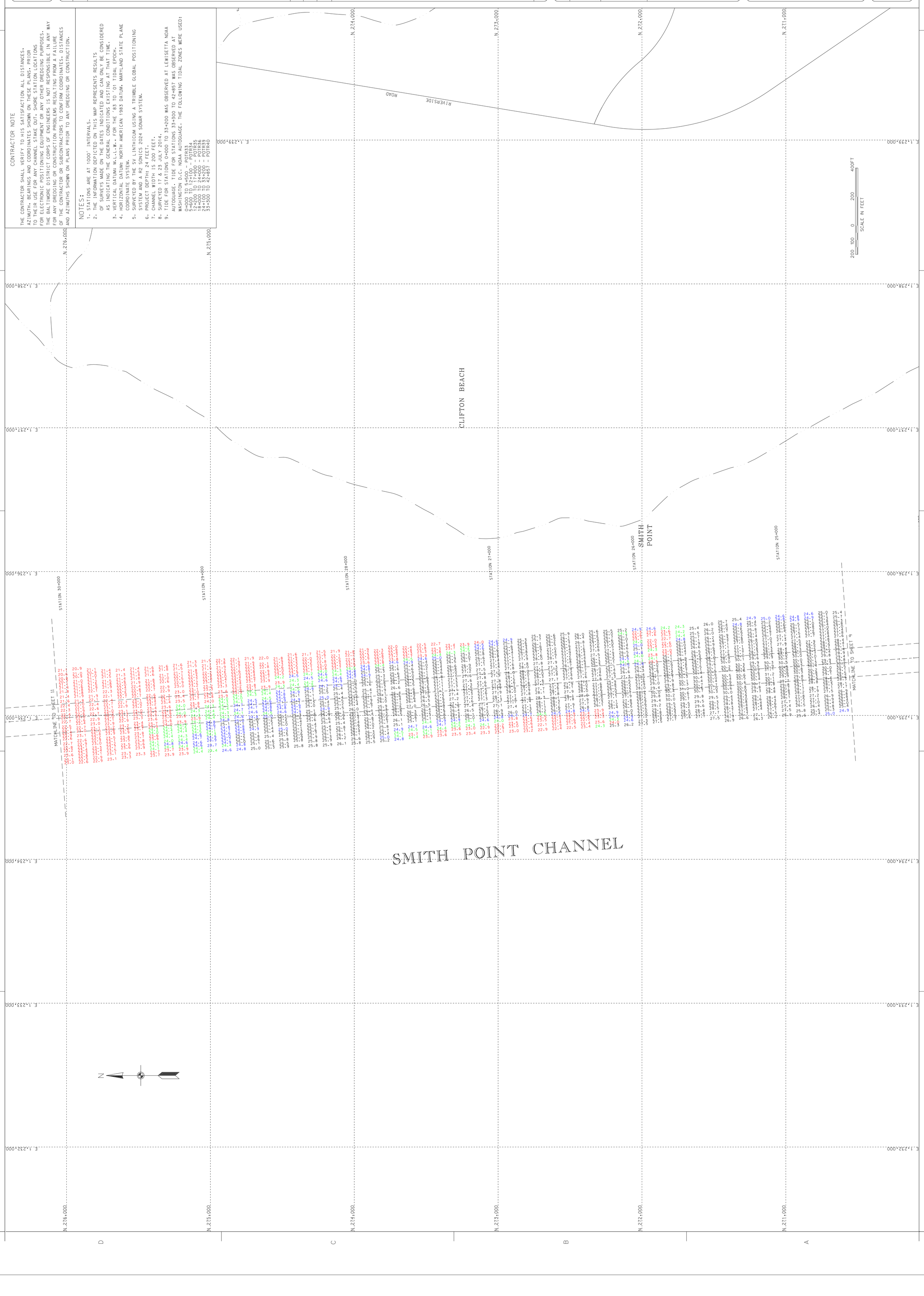
Sheet reference number: V-110
Sheet 10 of 19

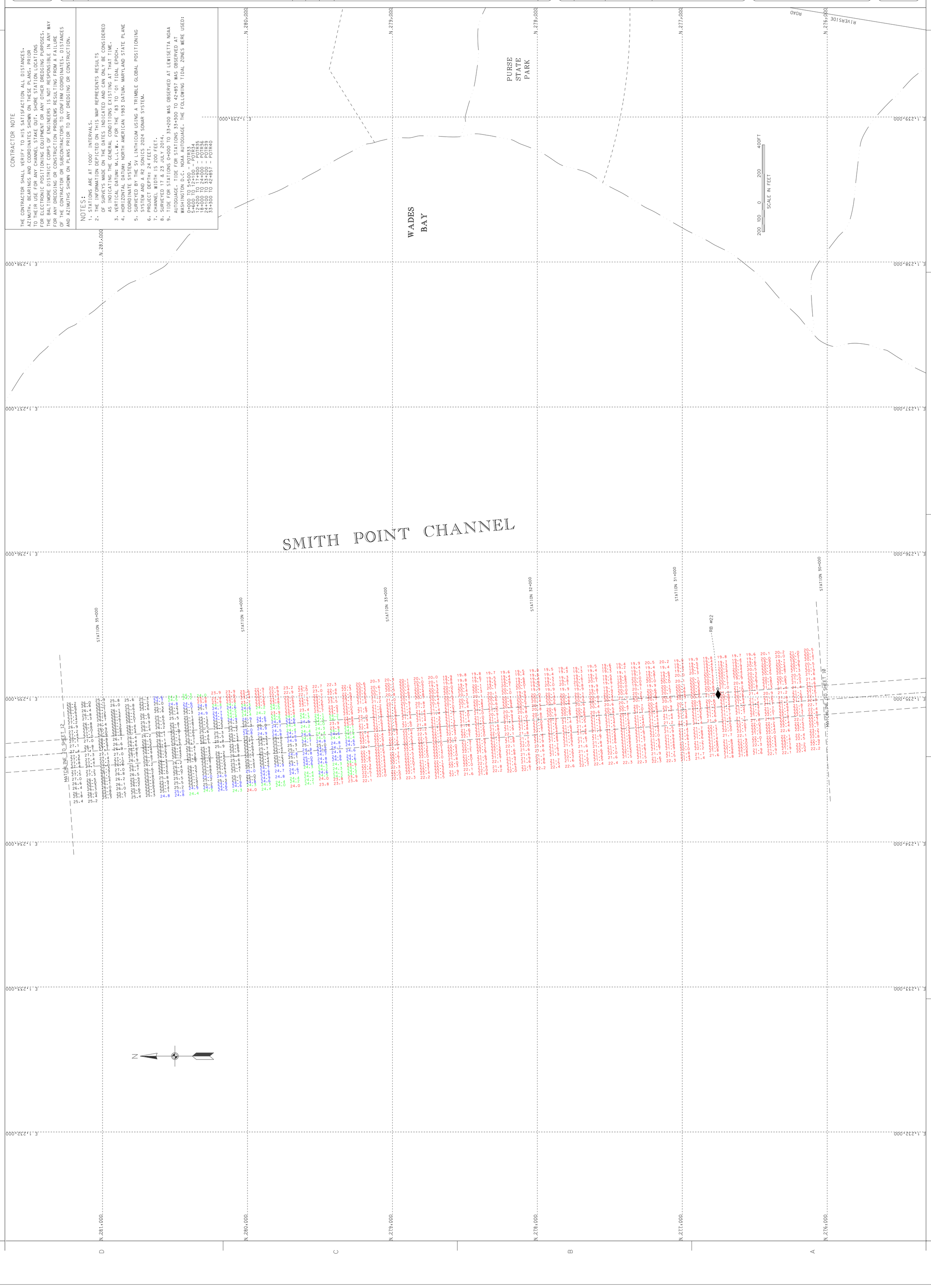
CONTRACTOR NOTE

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.

NOTES:

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 SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM AND A R2 SONICS 2024 SONAR SYSTEM.
6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 17 & 23 JULY 2014.
9. TIDE FOR STATIONS 0+000 TO 33+200 WAS OBSERVED AT LEWISETTA NOAA AUTOGUAGE. TIDE FOR STATIONS 33+300 TO 42+857 WAS OBSERVED AT WASHINGTON D.C. NOAA AUTOGUAGE. THE FOLLOWING TIDAL ZONES WERE USED:
   0+000 TO 5+500 - POTR33
   5+600 TO 12+100 - POTR34
   12+200 TO 17+900 - POTR35
   18+000 TO 24+000 - POTR36
   24+100 TO 33+200 - POTR39
   33+300 TO 42+857 - POTR40





A B C D

N 276,000 N 277,000 N 278,000 N 279,000 N 280,000 N 281,000

E 1,232,000 E 1,233,000 E 1,234,000 E 1,235,000 E 1,236,000 E 1,237,000 E 1,238,000 E 1,239,000

N

MATCH LINE TO SHEET 10

MATCH LINE TO SHEET 12

RB #22

STATION 30+000 STATION 31+000 STATION 32+000 STATION 33+000 STATION 34+000 STATION 35+000

SMITH POINT CHANNEL

WADES BAY

PURSE STATE PARK

RIVERSIDE ROAD

200 100 0 200 400FT
SCALE IN FEET

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.

NOTES:

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 SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM AND A R2 SONICS 2024 SONAR SYSTEM.
6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 17 & 23 JULY 2014.
9. TIDE FOR STATIONS 0+000 TO 33+200 WAS OBSERVED AT LEWISETTA NOAA AUTOGUAGE. TIDE FOR STATIONS 33+300 TO 42+857 WAS OBSERVED AT WASHINGTON D.C. NOAA AUTOGUAGE. THE FOLLOWING TIDAL ZONES WERE USED:

0+000 TO 5+500	POTR33
5+600 TO 12+100	POTR34
12+200 TO 18+900	POTR35
19+000 TO 24+000	POTR38
24+100 TO 33+200	POTR39
33+300 TO 42+857	POTR40

Sheet reference number: V-111
Sheet 11 of 19

POTOMAC RIVER BELOW WASHINGTON D.C.
MARYLAND

CONDITION SURVEY
SMITH POINT CHANNEL
STATION 30+100 TO 35+200

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:		Date: AUGUST '14	Rev.
Dwn by: JAH	Ckd by: SMG	Design file no. FILE: B-60 MAP: 14-011	
Reviewed by: SMG		Drawing code:	
Submitted by: Chief, Nav. Branch		File name:SH01_19C105AUG2014 Plot date: Plot scale:	

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

US Army Corps of Engineers
Baltimore District

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: AUGUST '14
Dwn by: JAH / Ckd by: SMG	Design file no: FILE: B-60 MAP: 14-012
Reviewed by: SMG	Drawing code:
Submitted by:	File name:SHOL_19C105AUG2014 Plot date: Plot scale:
Chief, Nav. Branch	

Rev.

POTOMAC RIVER BELOW WASHINGTON, D.C.
MARYLAND

CONDITION SURVEY
LIVERPOOL POINT CHANNEL
STATION 35+300 TO 40+400

Sheet reference number: V-112
Sheet 12 of 19

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.

NOTES:

1. STATIONS ARE AT 1000' INTERVALS.
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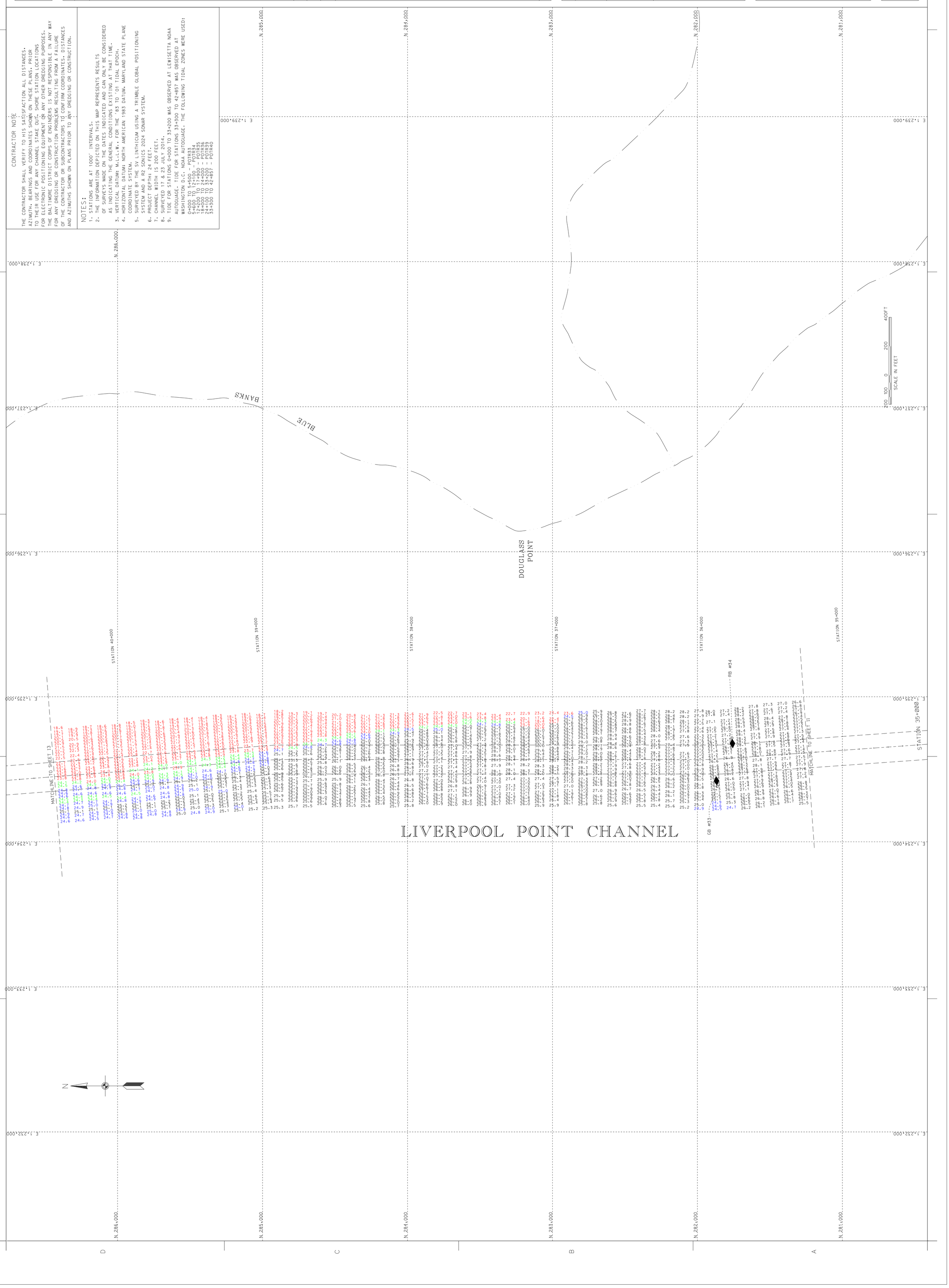
3. VERTICAL DATUM: M.L.L.W. FOR THE '83 TO '01 TIDAL EPOCH.
4. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM. MARYLAND STATE PLANE COORDINATE SYSTEM.
5. SURVEYED BY THE SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM AND A R2 SONICS 2024 SONAR SYSTEM.
6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 17 & 23 JULY 2014.
9. TIDE FOR STATIONS 0+000 TO 33+200 WAS OBSERVED AT LEWISETTA NOAA AUTOGUAGE. TIDE FOR STATIONS 33+300 TO 42+857 WAS OBSERVED AT WASHINGTON D.C. NOAA AUTOGUAGE. THE FOLLOWING TIDAL ZONES WERE USED:

0+000 TO 5+500	POTR33
5+600 TO 12+100	POTR34
12+200 TO 17+900	POTR35
18+000 TO 24+000	POTR36
24+100 TO 33+200	POTR39
33+300 TO 42+857	POTR40



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: AUGUST '14
Rev.
Dwn by: JAH
Ckd by: SMG
Design file no.: FILE: B-60 MAP-14-013
Reviewed by: SMG
Drawing code:
Submitted by:
File name: SHOL_19C105AUC2014
Plot date:
Chief, Nav. Branch
Plot scale:

POTOMAC RIVER BELOW WASHINGTON, D.C.
MARYLAND
CONDITION SURVEY
LIVERPOOL POINT CHANNEL
STATION 40+500 TO 42+857

Sheet reference number: V-113
Sheet 13 of 19

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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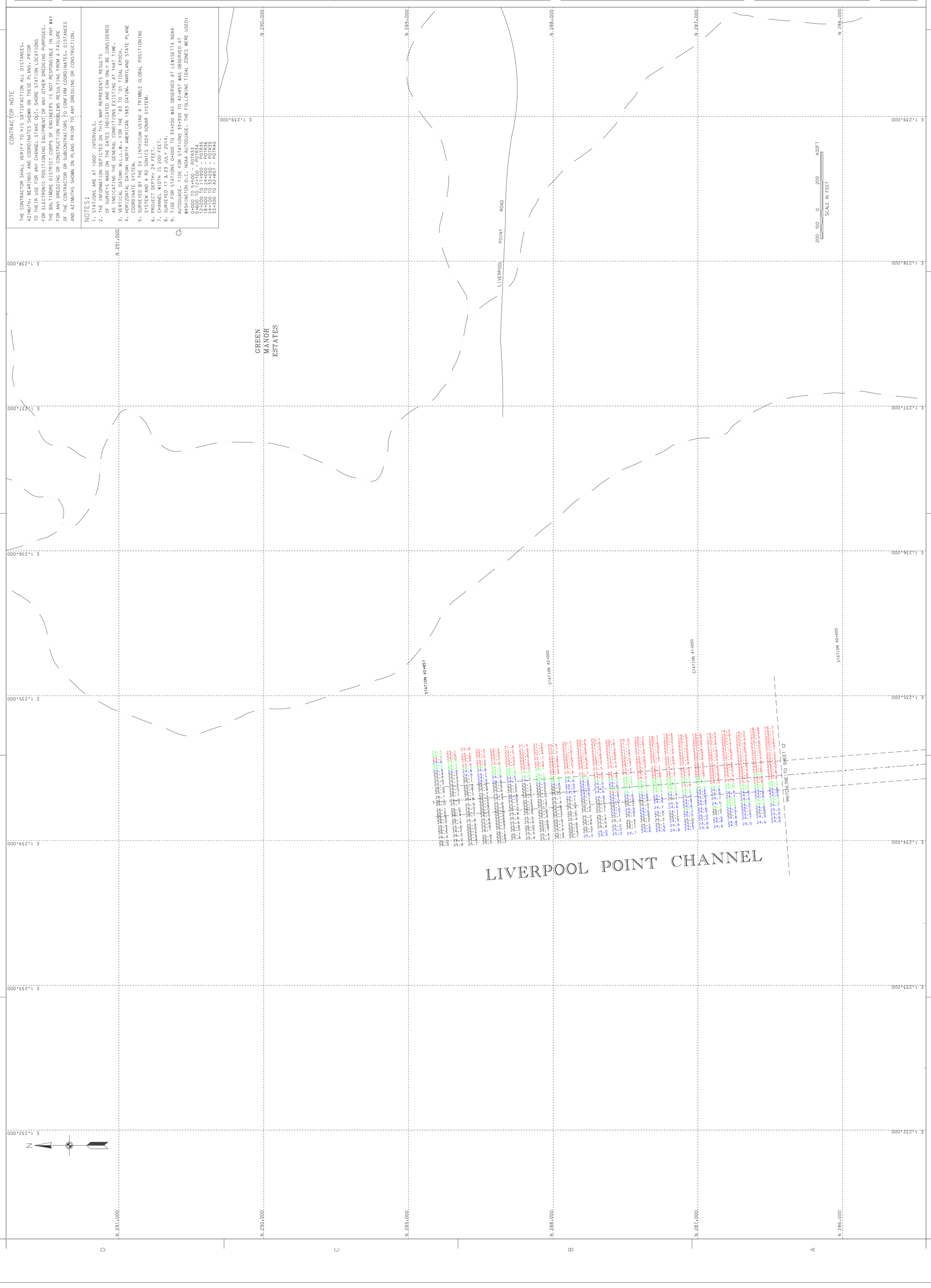
5. SURVEYED BY THE SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM AND A R2 SONICS 2024 SONAR SYSTEM.
6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 17 & 23 JULY 2014.
9. TIDE FOR STATIONS 0+000 TO 33+200 WAS OBSERVED AT LEWISETTA NOAA AUTOGUAGE. TIDE FOR STATIONS 33+300 TO 42+857 WAS OBSERVED AT WASHINGTON D.C. NOAA AUTOGUAGE. THE FOLLOWING TIDAL ZONES WERE USED:

0+000 TO 5+500	- POTR33
5+600 TO 12+100	- POTR34
12+200 TO 17+900	- POTR35
18+000 TO 24+000	- POTR36
24+100 TO 33+200	- POTR39
33+300 TO 42+857	- POTR40



CONTRACTOR NOTE

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5. SURVEYED BY THE SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM AND A R2 SONICS 2024 SONAR SYSTEM.
6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 22 JULY 2014.
9. TIDE WAS OBSERVED AT WASHINGTON D.C. NOAA AUTOGUAGE. TIDAL ZONING WAS APPLIED USING NOAA ZONE POTR45 FOR STATIONS 0+000 TO 6+300 AND APPLIED USING NOAA ZONE POTR47 FOR STATIONS 6+400 TO 17+000.

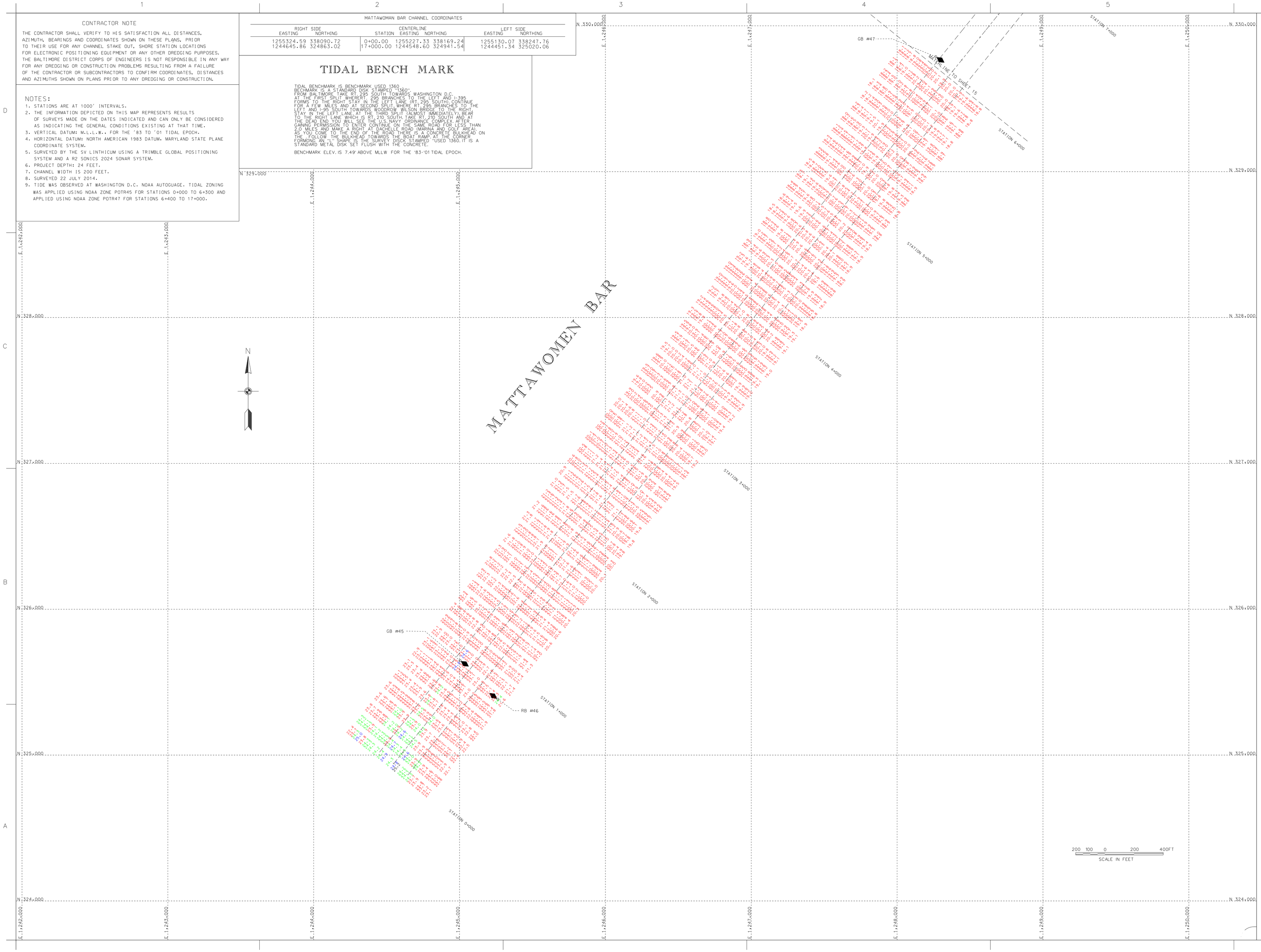
MATTAWOMAN BAR CHANNEL COORDINATES

RIGHT SIDE EASTING	RIGHT SIDE NORTHING	CENTERLINE STATION	CENTERLINE EASTING	CENTERLINE NORTHING	LEFT SIDE EASTING	LEFT SIDE NORTHING
1255324.59	338090.72	0+00.00	1255227.33	338169.24	1255130.07	338247.76
1244645.86	324863.02	17+000.00	1244548.60	324941.54	1244451.34	325020.06

TIDAL BENCH MARK

TIDAL BENCHMARK IS BENCHMARK USED 1360
BECHMARK IS A STANDARD DISK STAMPED "1360".
FROM BALTIMORE TAKE RT 295 SOUTH TOWARDS WASHINGTON D.C.
AT THE FIRST SPLIT WHEREBY, 295 BRANCHES TO THE LEFT AND I-395 FORMS TO THE RIGHT STAY IN THE LEFT LANE (RT 295 SOUTH) CONTINUE FOR A FEW MILES AND AT SECOND SPLIT, WHERE RT 295 BRANCHES TO THE LEFT AND I-95 SOUTH TOWARDS WOODROW WILSON BRIDGE TO THE RIGHT STAY IN THE LEFT LANE (RT 295 SOUTH) AND CONTINUE TO BEAR TO THE LEFT LANE WHICH IS RT 210 SOUTH TAKE RT 210 SOUTH AND AT THE DEAD END YOU WILL SEE THE US NAVY ORDRANCE COMPLEX AFTER GAINING PERMISSION TO ENTER CONTINUE ON THE SAME ROAD FOR LESS THAN 2.0 MILES AND MAKE A RIGHT AT DACHELLE ROAD (MARINA AND GOLF AREA). AS YOU COME TO THE END OF THE ROAD THERE IS A CONCRETE BULKHEAD ON THE FOLLOW THE BULKHEAD TOWARDS THE BOAT RAMP AT THE CORNER FORMING AN "L" SHAPE IS THE SURVEY DISCK STAMPED "USED 1360.IT IS A STANDARD METAL DISK SET FLUSH WITH THE CONCRETE.

BENCHMARK ELEV. IS 7.49' ABOVE MLLW FOR THE '83-'01 TIDAL EPOCH.



US Army Corps of Engineers
Baltimore District

Mark	Appr.	Date	Description

Mark	Appr.	Date	Description

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed for: Sam Ayer
Drawn by: Jim Ayer
Checked by: Sam Ayer
Checked by: SWC
Submitted by: SWC
Date: AUGUST '14
Scale: 1" = 200'
Design file no.: POTOMAC_RIVER
Proj. mgr.: Pete Lesher
Chief, Nav. Br.: Brooks
Rev.:
Sheet no.: V-114

POTOMAC RIVER BELOW WASHINGTON, D.C.
MARYLAND

CONDITION SURVEY
MATTAWOMAN BAR
STATION 0+000 TO 6+000

Sheet reference number:
V-114
Sheet 14 of 19

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.

NOTES:

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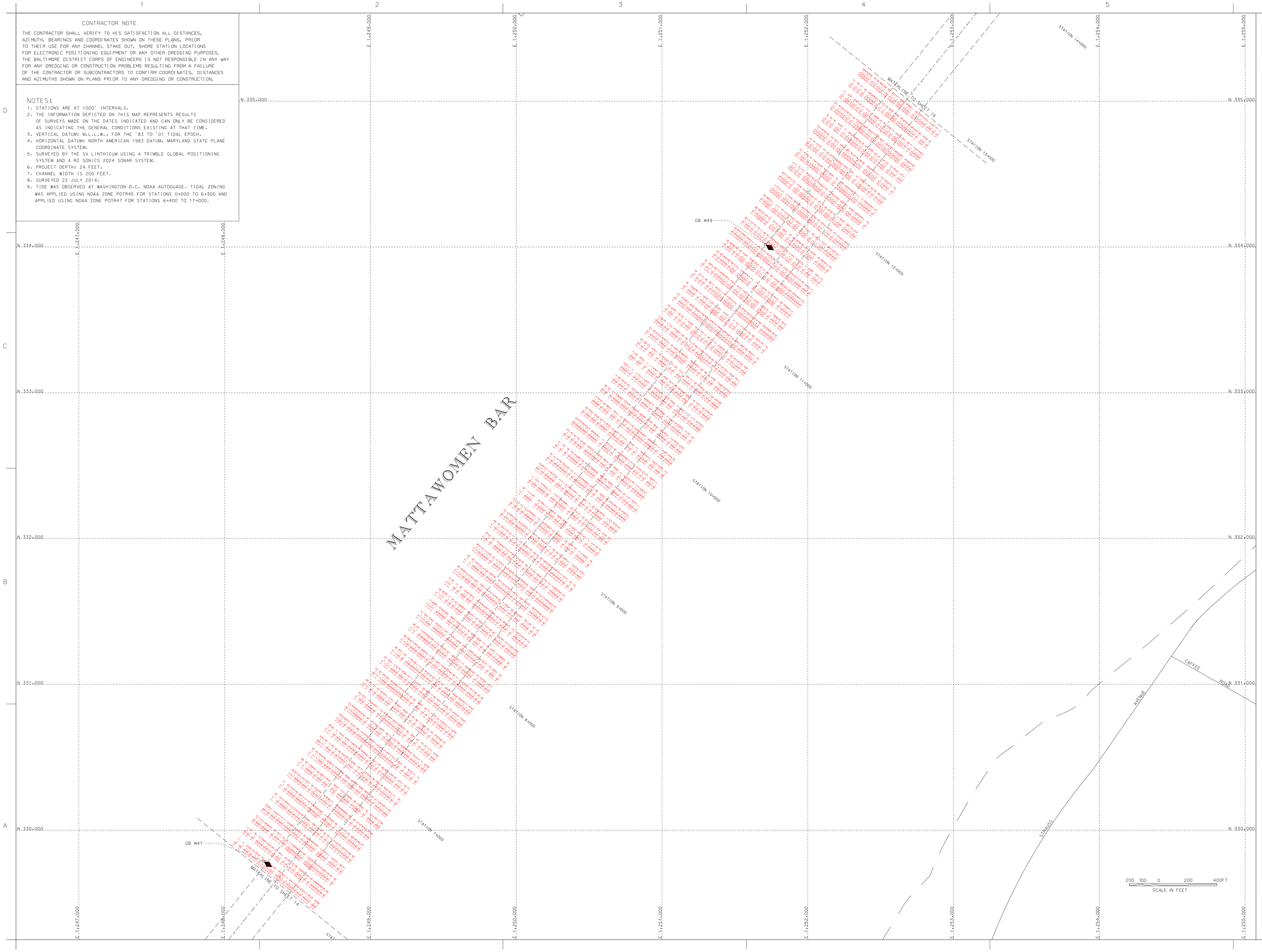
3. VERTICAL DATUM: M.L.L.W. FOR THE '83 TO '01 TIDAL EPOCH.
4. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM. MARYLAND STATE PLANE COORDINATE SYSTEM.
5. SURVEYED BY THE SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM AND A R2 SONICS 2024 SONAR SYSTEM.
6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 22 JULY 2014.
9. TIDE WAS OBSERVED AT WASHINGTON D.C. NOAA AUTOGUAGE. TIDAL ZONING WAS APPLIED USING NOAA ZONE POTR45 FOR STATIONS 0+000 TO 6+300 AND APPLIED USING NOAA ZONE POTR47 FOR STATIONS 6+400 TO 17+000.



US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

Mark	Description	Date	Appr.

Date: AUGUST '14
Rev.
Design file no.: MAP14-015
Scale: 1:800
File name: POTR45_POTR47_MAP14-015
Plot date:
Plot time:

Designed by: JLW
Date for: 2014
Drawn by: DAC
Date for: 2014
Reviewed by: SMG
Submitted by:
Chief, Nav. Branch

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

POTOMAC RIVER BELOW WASHINGTON, D.C.
MARYLAND

CONDITION SURVEY
MATTAWOMAN BAR
STATION 6+100 TO 12+900

Sheet reference number:
V-115
Sheet 15 of 19

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.

NOTES:

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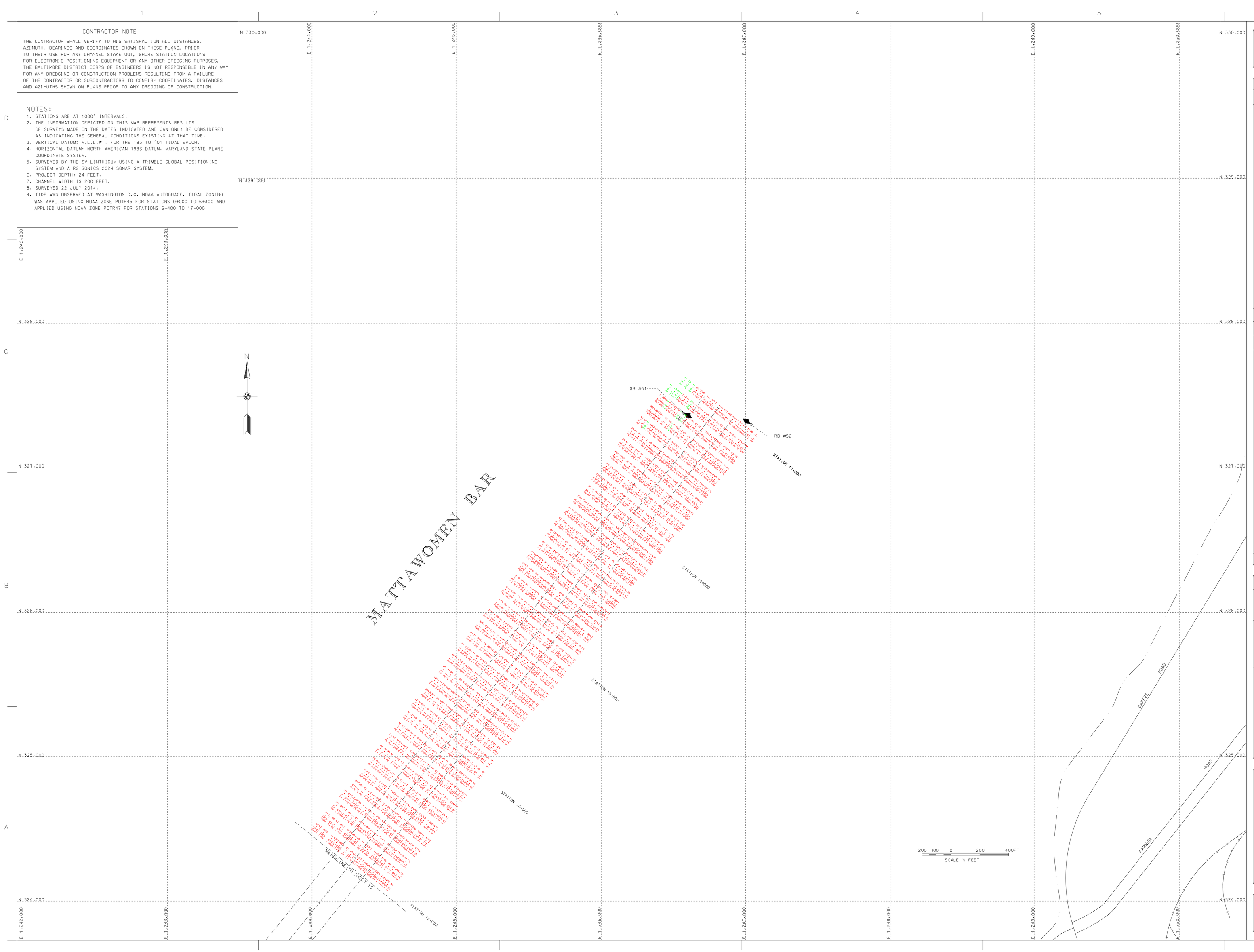
4. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM. MARYLAND STATE PLANE COORDINATE SYSTEM.
5. SURVEYED BY THE SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM AND A R2 SONICS 2024 SONAR SYSTEM.
6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 22 JULY 2014.
9. TIDE WAS OBSERVED AT WASHINGTON D.C. NOAA AUTOGUAGE. TIDAL ZONING WAS APPLIED USING NOAA ZONE POTR45 FOR STATIONS 0+000 TO 6+300 AND APPLIED USING NOAA ZONE POTR47 FOR STATIONS 6+400 TO 17+000.



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: Sam Ayr / Jim Ayr
Date for: Date for SMC
Drawn by: SMG
Reviewed by: SMG
Submitted for: Chief, Nav. Branch

Date: AUGUST '14
Scale: 1:40
Design file no: POTR47-48
Contract no: W912DS-14-D-0016
File name: POTR47-48_FINAL.DGN
Plot date:
Plot scale:
Rev.:

POTOMAC RIVER BELOW WASHINGTON, D.C.
MARYLAND

CONDITION SURVEY
MATTAWOMAN BAR
STATION 13+000 TO 17+000

Sheet reference number:
V-116
Sheet 16 of 19

MARSHALL HALL BAR CHANNEL COORDINATES
CENTERLINE FILE:CPMH6A

STATION	BEARING	AZIMUTH	RIGHT SIDE	CENTERLINE	LEFT SIDE
0.00	N 74 12 26 E	254 12 26.89	1280864.59 372940.20	1280891.80 372843.98	1280919.02 372747.75
10+300.00			1290764.93 375740.33	1290792.15 375644.10	1290819.36 375547.87

TIDAL BENCH MARK

TIDAL BENCHMARK IS BENCH MARK BRYAN.
BENCH MARK IS A STANDARD C.O.E. DISK STAMPED "BRYAN".
TO GET TO POINT FROM BALTIMORE TAKE ROUTE 295 SOUTH TOWARDS WASHINGTON D.C.WHEN YOU REACH THE ROUTE 210/213 SPLIT BEAR TO YOUR LEFT AND CONTINUE ON 210 FOR ANOTHER FOUR MILES. AT THE SPLIT FOR 295 NORTH ON WILSON BRIDGE CONTINUE LEFT ON 295. ALMOST IMMEDIATELY BEAR TO YOUR RIGHT ON ROUTE 210. TOWARD INDIAN HEAD, MD. CONTINUE ON ROUTE 210 APPROX. 10 MILES AND MAKE A RIGHT TURN ON BRYANS ROAD (ROUTE 227). FOLLOW ROAD TO DEAD END AT MARSHALL HALLS PUBLIC BOAT RAMP. SURVEY POPINT IS LOCATED ON THE LEFT HAND SIDE ON A STRIP OF GRASS BETWEEN THE PARKING LOT AND BRYANS ROAD.

ELEV. IS 10.59' ABOVE MLLW FOR THE 83-01 TIDAL EPOCH.

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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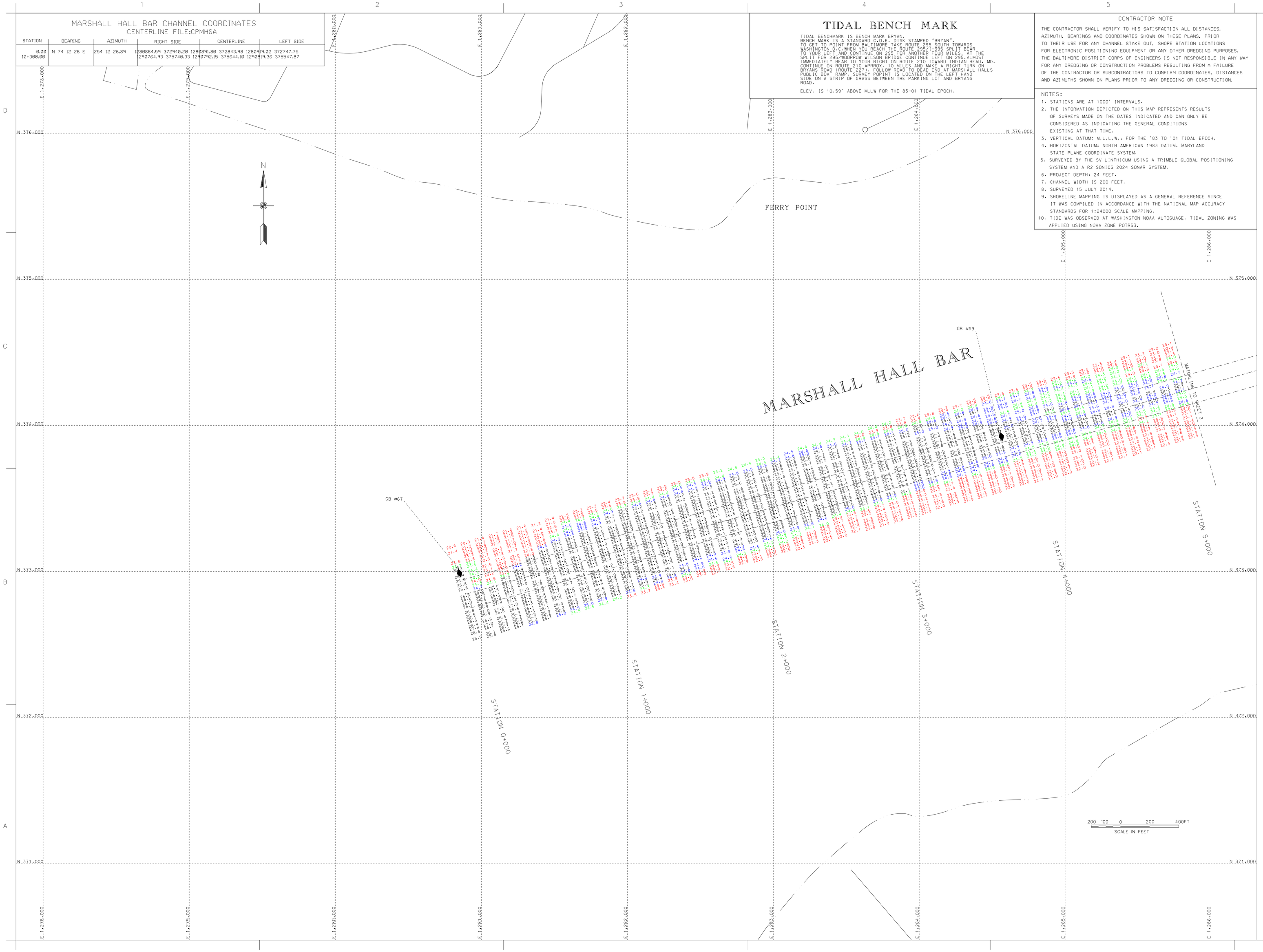
5. SURVEYED BY THE SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM AND A R2 SONICS 2024 SONAR SYSTEM.
6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 15 JULY 2014.
9. SHORELINE MAPPING IS DISPLAYED AS A GENERAL REFERENCE SINCE IT WAS COMPILED IN ACCORDANCE WITH THE NATIONAL MAP ACCURACY STANDARDS FOR 1:24000 SCALE MAPPING.
10. TIDE WAS OBSERVED AT WASHINGTON NOAA AUTOGUAGE. TIDAL ZONING WAS APPLIED USING NOAA ZONE POTR53.



US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

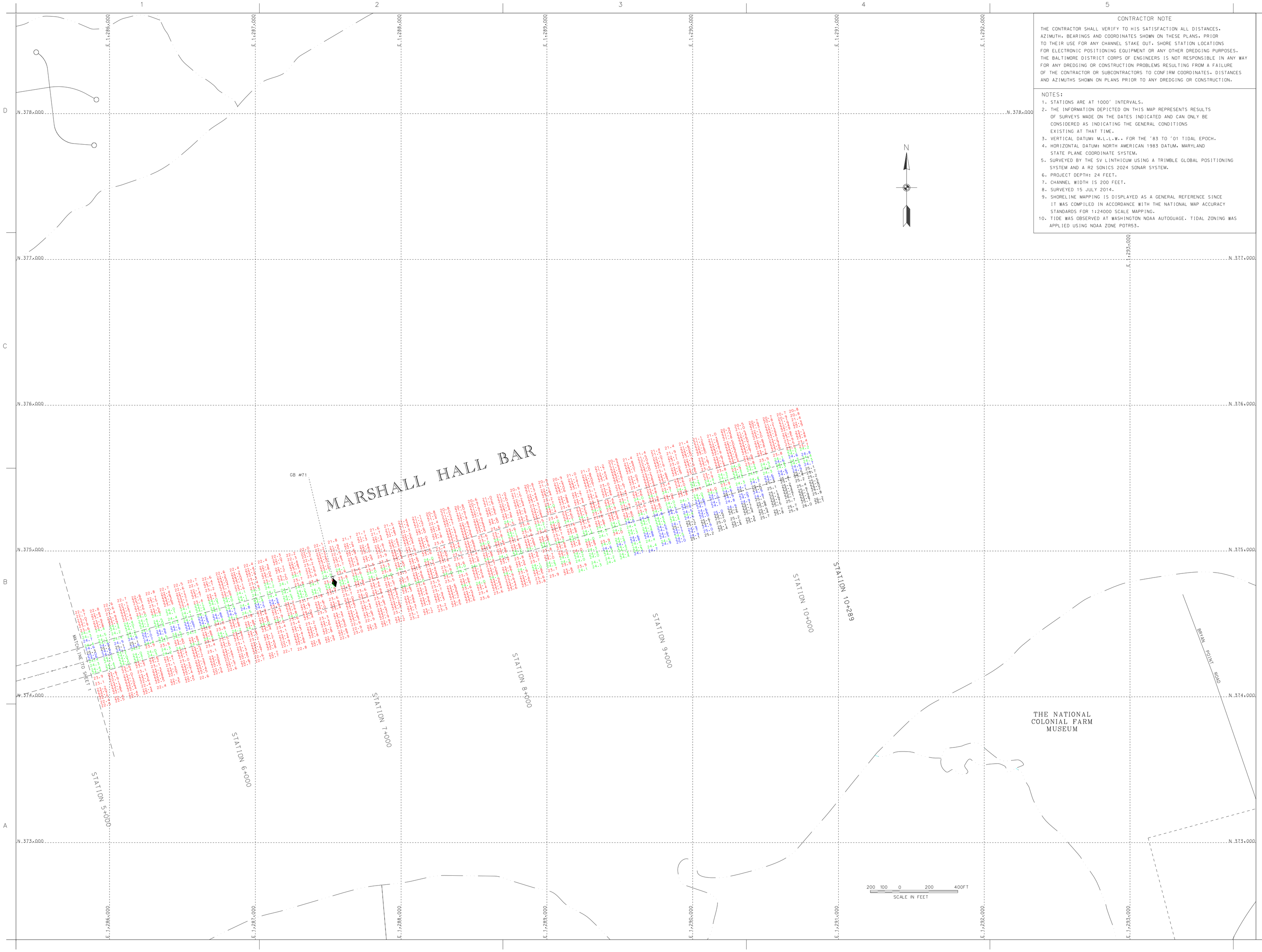
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:
Date by: July
Cad by: SMG
Reviewed by: SMG
Submitted by: Chief, Nav. Branch
Date: AUGUST '14
Design file no. CD14-01 MAPH6-017
Drawing name:
File name:MHC_NCR6A0206
Proj. date:
Proj. scale:
Rev.

POTOMAC RIVER BELOW WASHINGTON, D.C.
MARYLAND

CONDITION SURVEY
MARSHALL HALL BAR
STATION 0+000 TO 5+100

Sheet reference number:
V-117
Sheet 17 of 19



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.

NOTES:

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 SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM AND A R2 SONICS 2024 SONAR SYSTEM.
6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 15 JULY 2014.
9. SHORELINE MAPPING IS DISPLAYED AS A GENERAL REFERENCE SINCE IT WAS COMPILED IN ACCORDANCE WITH THE NATIONAL MAP ACCURACY STANDARDS FOR 1:24000 SCALE MAPPING.
10. TIDE WAS OBSERVED AT WASHINGTON NOAA AUTOGUAGE. TIDAL ZONING WAS APPLIED USING NOAA ZONE POTR53.

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 by: 15 AUG 14
Chk by: SMC
Reviewed by: SAG
Submitted by: Chief, Nav. Branch

Date: AUGUST 14
Scale: 1" = 200'
Design file no: POTR53-V-118
Drawing size: 24x36 (18)
File name: POTR53_V118_BASE.DGN
Plot date:
Plot scale:
Rev.

POTOMAC RIVER BELOW WASHINGTON, D.C.
MARYLAND

CONDITION SURVEY
MARSHALL HALL BAR
STATION 5+200 TO 10+289

Sheet reference number:
V-118
Sheet 18 of 19

HUNTING CREEK SHOAL CHANNEL COORDINATES

RIGHT GEOMETRY		CENTERLINE GEOMETRY			LEFT GEOMETRY	
EASTING	NORTHING	STATION	EASTING(X)	NORTHING(Y)	EASTING	NORTHING
1303021.42	403709.34	0+000	1302925.77	403680.16	1302830.13	403650.97
1301736.82	407918.84	4+401	1301641.17	407889.65	1301545.52	407860.46

TIDAL BENCH MARK

TIDAL BENCHMARK IS BENCH MARK 130-02.
BENCH MARK IS A STANDARD C.O.E. DISK STAMPED "130-02".
FROM BALTIMORE TAKE 295 SOUTH TO I-95 SOUTH. GO ACROSS WOODROW WILSON BRIDGE. TAKE THE FIRST EXIT IMMEDIATELY AFTER THE BRIDGE. AT THE FIRST LIGHT MAKE A RIGHT ONTO WASHINGTON STREET. STAY IN RIGHT LANE AND MAKE A RIGHT ON KING STREET. AND FOLLOWTO WHERE ROAD ENDS. AT THE RIVER MAKE A RIGHT ONTO STRAND STREET. FOLLOW ROAD FOR ABOUT 200 FEET AND TO YOUR LEFT WILL BE A SMALL PARK. POINT IS IN THE GRASS ON THE STREET SIDE OF THE PARK.

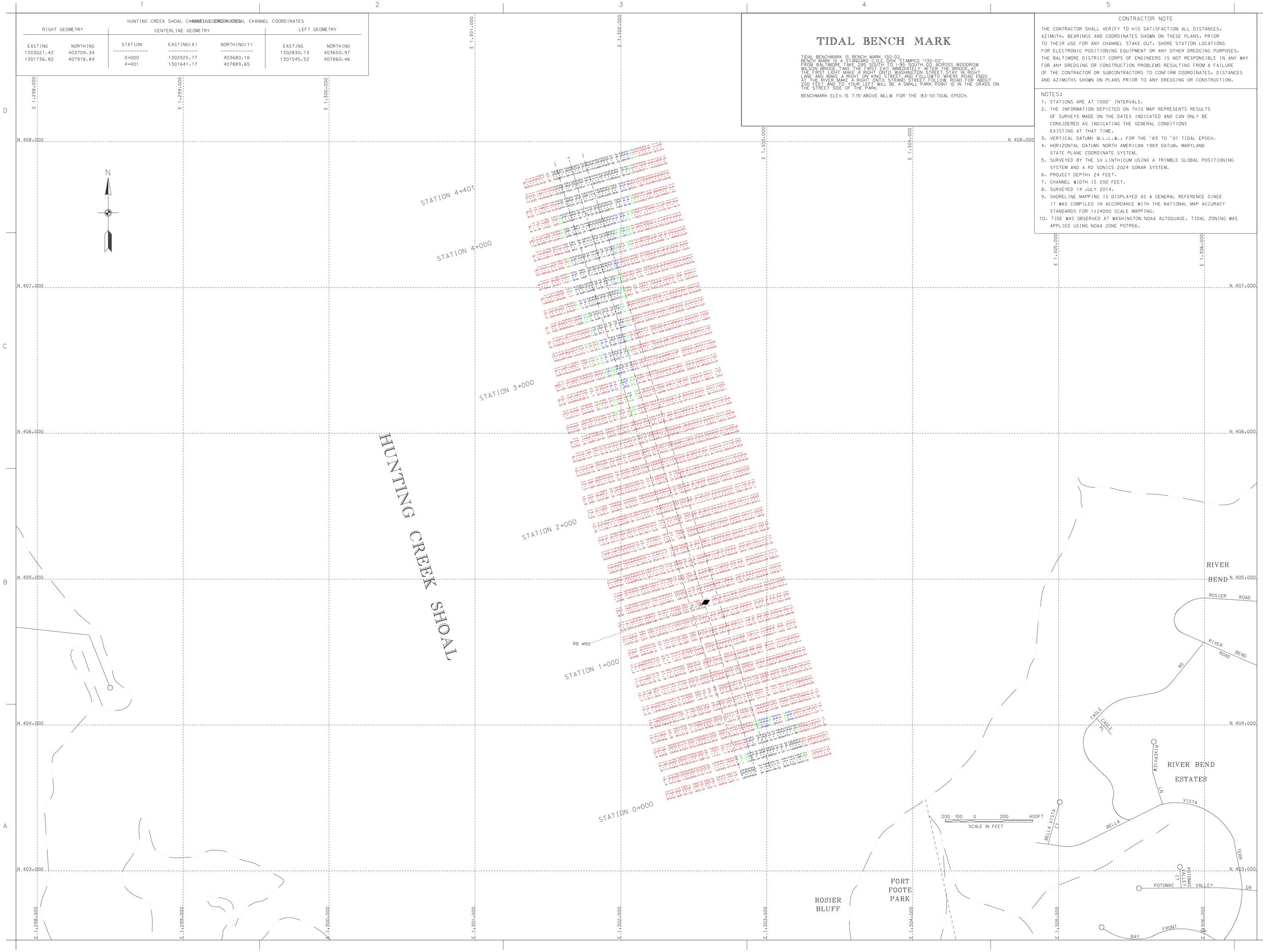
BENCHMARK ELEV. IS 7.15' ABOVE MLLW FOR THE '83-'01 TIDAL EPOCH.

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.

NOTES:

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 SV LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM AND A R2 SONICS 2024 SONAR SYSTEM.
6. PROJECT DEPTH: 24 FEET.
7. CHANNEL WIDTH IS 200 FEET.
8. SURVEYED 14 JULY 2014.
9. SHORELINE MAPPING IS DISPLAYED AS A GENERAL REFERENCE SINCE IT WAS COMPILED IN ACCORDANCE WITH THE NATIONAL MAP ACCURACY STANDARDS FOR 1:24000 SCALE MAPPING.
10. TIDE WAS OBSERVED AT WASHINGTON NOAA AUTOGUAGE. TIDAL ZONING WAS APPLIED USING NOAA ZONE POTR56.



US Army Corps of Engineers
Baltimore District

Mark	Description	Date	Appr.

Designed by:	Date: AUGUST '14	Date for no. of days: Sept 18 2015	Rev.
Date by:	Cad by:	Drawing scale:	
Reviewed by:	Submitted by:	Plot date:	
Chief, Nav. Branch		Plot time:	

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

POTOMAC RIVER BELOW WASHINGTON, D.C.
MARYLAND

CONDITION SURVEY
HUNTING CREEK SHOAL
STATION 0+000 TO 4+401

Sheet reference number:
V-119
Sheet 19 of 19