# POTOMAC RIVER AT ALEXANDRIA

## POTOMAC RIVER AT ALEXANDRIA CHANNEL COORDINATES

| STATION | BEARING | AZIMUTH | RIGHT SIDE | | CENTERLINE | | LEFT SIDE | |
|---|---|---|---|---|---|---|---|---|
| 0+000.00 | N 01 54 33.0 W | 358 05 27.7 | 1301829.94 | 411153.33 | 1301730.00 | 411150.00 | 1301630.06 | 411146.60 |
| 0+491.50 | | | | | | | 1301612.31 | 411661.18 |
| 0+491.50 | | | | | | | 1301800.25 | 411044.14 |
| 0+901.50 | N 08 35 45.3 E | 8 35 45.3 | | | | | | |
| 1+520.00 | | | | | 1301700.00 | 412050.00 | 1301186.15 | 412754.21 |
| 1+694.91 | | | | | | | 1301182.04 | 412931.73 |
| 2+256.43 | | | | | | | 1301265.88 | 413486.96 |
| 3+372.38 | | | | | | | 1301834.10 | 414529.69 |
| 4+488.21 | | | | | | | 1301599.12 | 415693.71 |
| 5+202.11 | | | | | | | 1301717.25 | 416397.87 |
| 6+385.00 | | | 1302618.62 | 417457.99 | 1302518.96 | 417467.71 | 1302420.87 | 417487.89 |

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 S/V LINTHICUM USING A TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN ODOM DEPTH SOUNDER AND A 3.5 DEGREE 200 KHZ TRANSDUCER.
7. PROJECT DEPTH: 24 FEET.
8. AVERAGE WIDTH OF CHANNEL IS 300 FEET.
9. SURVEYED 10 JANUARY 2013.
10. 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 AND AERIAL PHOTOGRAPHY DATED 27 MARCH 1997.

Sheet reference number: V-101
Sheet 1 of 2

POTOMAC RIVER BELOW WASHINGTON, D.C.
MARYLAND

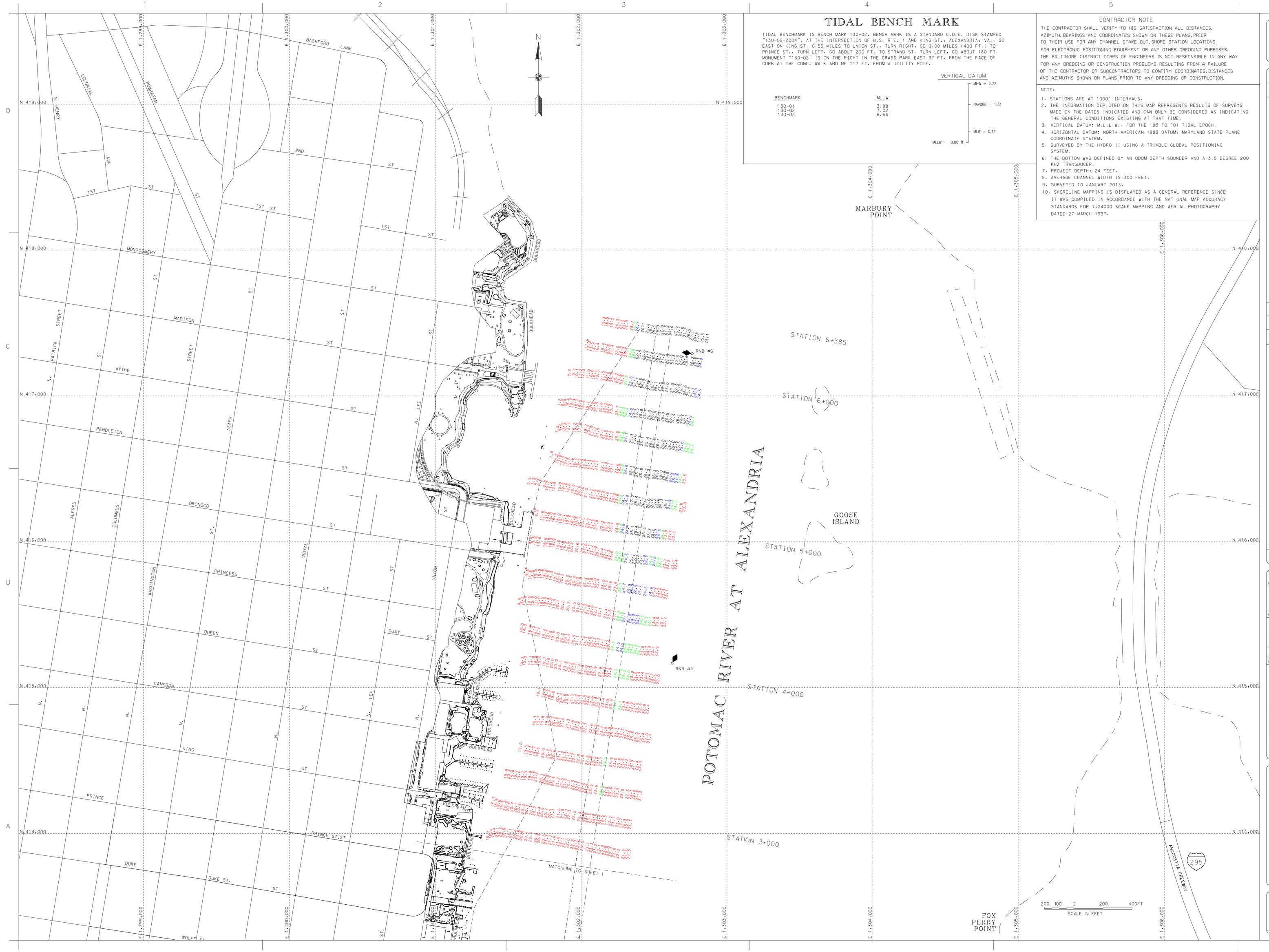
CONDITION SURVEY
POTOMAC RIVER @ ALEXANDRIA
STATION 0+000 TO 2+600

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

| | | |
|---|---|---|
| Designed by: | | Date: MAY '13 — Rev. |
| Dwn by: JAH | Ckd by: SMG | Design file no. FILE: B-60 MAP: 13-001 |
| Reviewed by: SMG | | Drawing code: |
| Submitted by: Chief, Nav. Branch | | File name:SH01_02C130JAN2013<br>Plot date:<br>Plot scale: |

| Mark | Description | Date | Appr. | Mark | Description | Date | Appr. |
|---|---|---|---|---|---|---|---|

US Army Corps of Engineers
Baltimore District




# TIDAL BENCH MARK

TIDAL BENCHMARK IS BENCH MARK 130-02. BENCH MARK IS A STANDARD C.O.E. DISK STAMPED "130-02-2004". AT THE INTERSECTION OF U.S. RTE. 1 AND KING ST., ALEXANDRIA, VA., GO EAST ON KING ST. 0.55 MILES TO UNION ST., TURN RIGHT. GO 0.08 MILES (400 FT.) TO PRINCE ST., TURN LEFT. GO ABOUT 200 FT. TO STRAND ST. TURN LEFT. GO ABOUT 180 FT. MONUMENT "130-02" IS ON THE RIGHT IN THE GRASS PARK EAST 37 FT. FROM THE FACE OF CURB AT THE CONC. WALK AND NE 117 FT. FROM A UTILITY POLE.

| BENCHMARK | MLLW |
|---|---|
| 130-01 | 3.98 |
| 130-02 | 7.02 |
| 130-03 | 6.66 |

VERTICAL DATUM

MHW = 2.72
NAVD88 = 1.31
MLW = 0.14
MLLW = 0.00 ft

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

Date: MAY '13
Rev.
Design file no. FILE: B-60 MAP: 13-002
Drawing code:
File name: SHDF_02C130JAN2013
Plot date:
Plot scale:

POTOMAC RIVER BELOW WASHINGTON, D.C.
MARYLAND

CONDITION SURVEY
POTOMAC RIVER @ ALEXANDRIA
STATION 2+700 TO 6+385

Sheet reference number:
V-102
Sheet 2 of 2