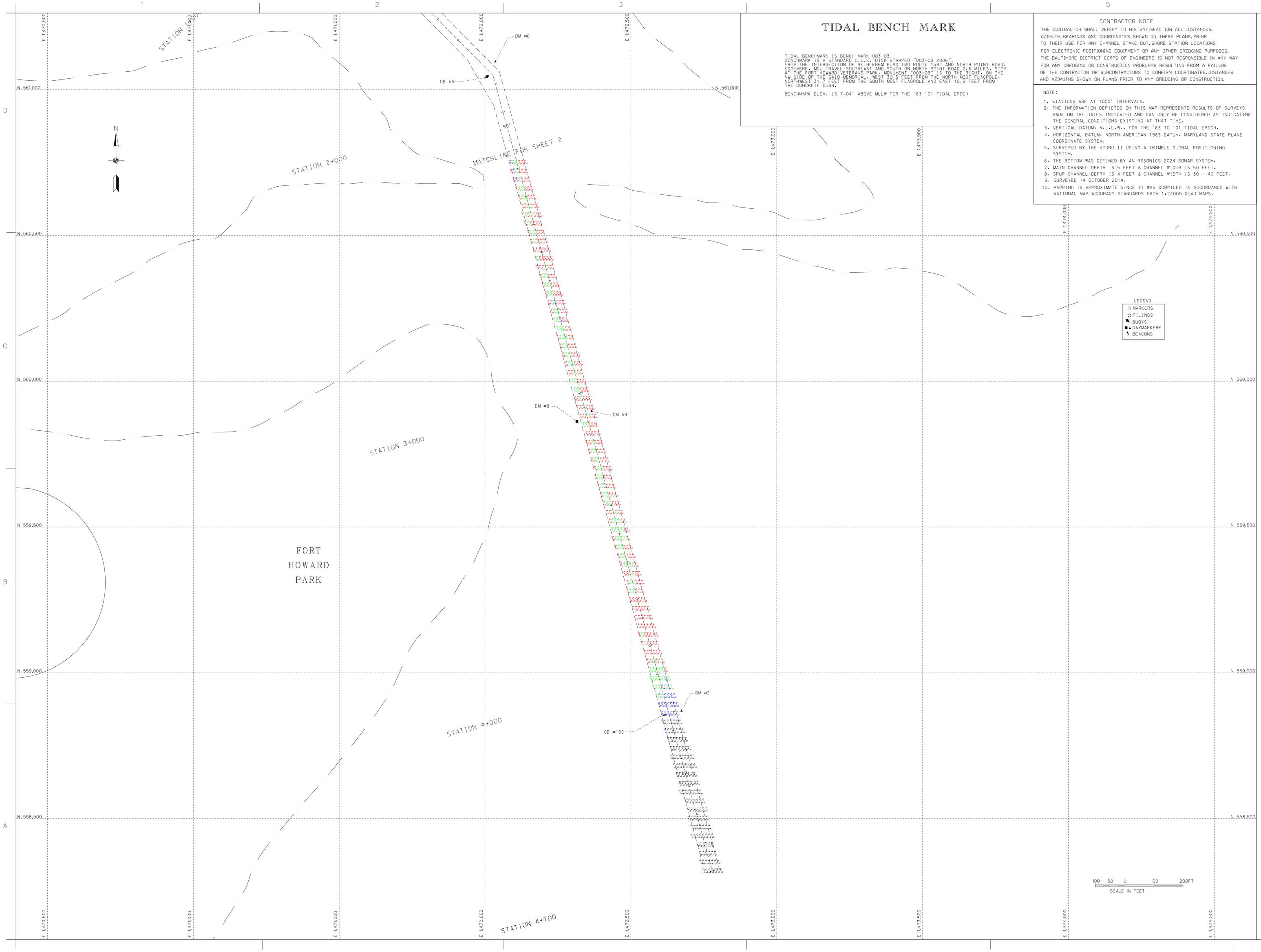



# TIDAL BENCH MARK

TIDAL BENCHMARK IS BENCH MARK 003-03.
BENCHMARK IS A STANDARD C.O.E. DISK STAMPED "003-03 2006".
FROM THE INTERSECTION OF BETHLEHEM BLVD (MD ROUTE 158) AND NORTH POINT ROAD, EDGEMERE, MD. TRAVEL SOUTHEAST AND SOUTH ON NORTH POINT ROAD 2.6 MILES. STOP AT THE FORT HOWARD VETERANS PARK. MONUMENT "003-03" IS TO THE RIGHT, ON THE NW SIDE OF THE SAID MEMORIAL. WEST 30.5 FEET FROM THE NORTH MOST FLAGPOLE, NORTHWEST 31.7 FEET FROM THE SOUTH MOST FLAGPOLE AND EAST 10.9 FEET FROM THE CONCRETE CURB.

BENCHMARK ELEV. IS 7.04' 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.

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 RSSONICS 2024 SONAR SYSTEM.
7. MAIN CHANNEL DEPTH IS 5 FEET & CHANNEL WIDTH IS 50 FEET.
8. SPUR CHANNEL DEPTH IS 4 FEET & CHANNEL WIDTH IS 30 - 40 FEET.
9. SURVEYED 14 OCTOBER 2014.
10. MAPPING IS APPROXIMATE SINCE IT WAS COMPILED IN ACCORDANCE WITH NATIONAL MAP ACCURACY STANDARDS FROM 1:24000 QUAD MAPS.

US Army Corps of Engineers
Baltimore District

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

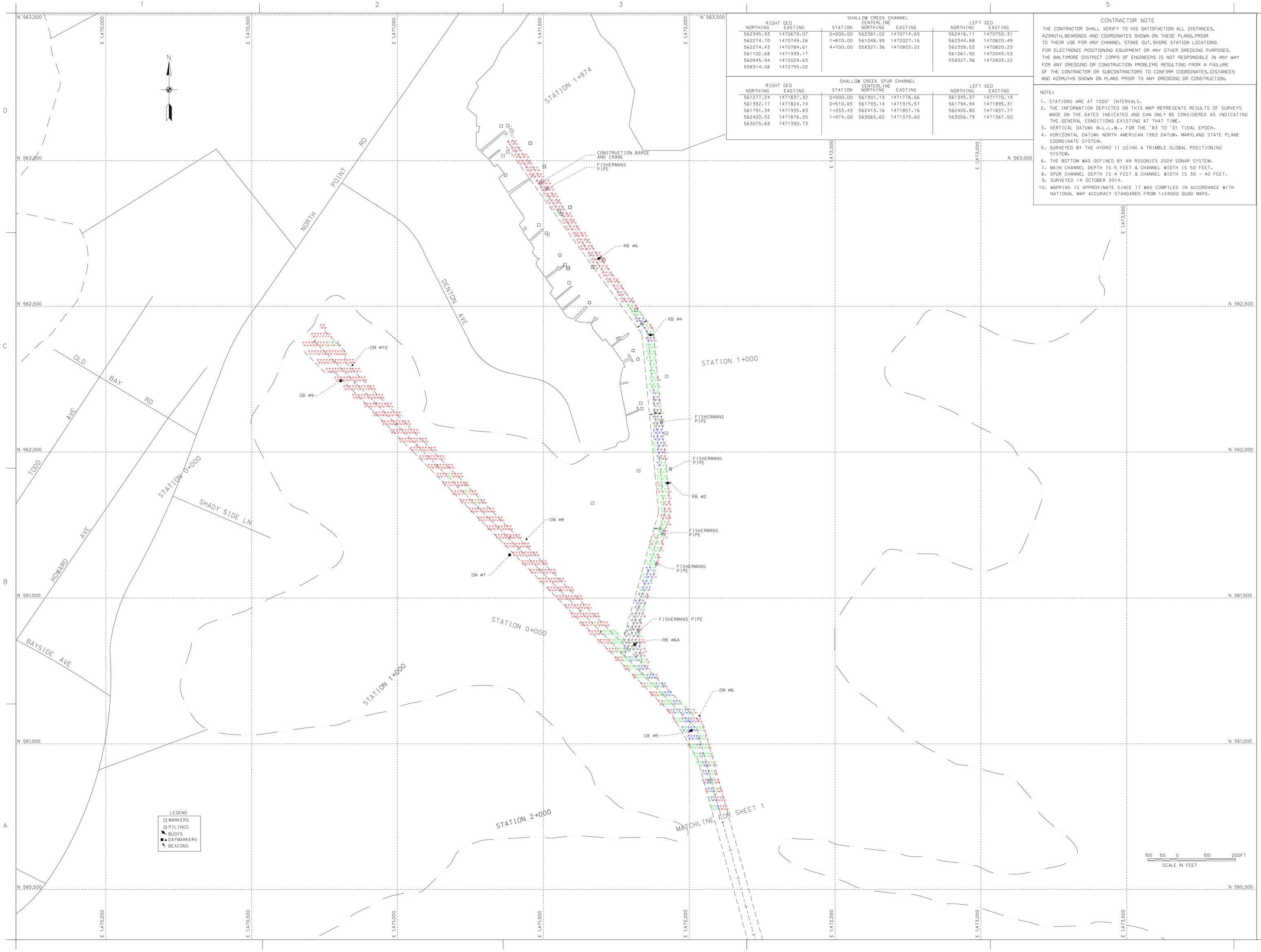
U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by: Date by: 7/14/14
Drawn by: Date by: SMG
Reviewed by: SMG
Submitted by:
Date: OCT '14
Scale: 1" = 100'
Design file no. 1447-15-001
Drawing code:
Plot date:
Plot scale:
Plot name:
Rev.:

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
CHANNEL INDEX
STATION 2+200 TO 4+800

Sheet reference number:
V-101
Sheet 1 of 2




SHALLOW CREEK CHANNEL CENTERLINE

| RIGHT GEO NORTHING | RIGHT GEO EASTING | STATION | CENTERLINE NORTHING | CENTERLINE EASTING | LEFT GEO NORTHING | LEFT GEO EASTING |
|---|---|---|---|---|---|---|
| 562345.93 | 1470679.07 | 0+000.00 | 562381.02 | 1470714.69 | 562416.11 | 1470750.31 |
| 562274.70 | 1470749.26 | 1+870.00 | 561048.99 | 1472027.16 | 562344.88 | 1470820.49 |
| 562274.43 | 1470784.61 | 4+700.00 | 558327.36 | 1472803.22 | 562309.53 | 1470820.23 |
| 561102.68 | 1471939.17 | | | | 561061.90 | 1472049.53 |
| 560945.94 | 1472029.63 | | | | 558327.36 | 1472803.22 |
| 558314.08 | 1472755.02 | | | | | |

SHALLOW CREEK SPUR CHANNEL CENTERLINE

| RIGHT GEO NORTHING | RIGHT GEO EASTING | STATION | CENTERLINE NORTHING | CENTERLINE EASTING | LEFT GEO NORTHING | LEFT GEO EASTING |
|---|---|---|---|---|---|---|
| 561277.24 | 1471837.32 | 0+000.00 | 561301.19 | 1471778.66 | 561345.37 | 1471770.19 |
| 561392.17 | 1471824.74 | 0+510.65 | 561793.14 | 1471915.57 | 561794.94 | 1471895.31 |
| 561791.34 | 1471935.83 | 1+333.43 | 562413.16 | 1471857.16 | 562405.80 | 1471837.77 |
| 562420.52 | 1471876.55 | 1+974.00 | 563065.65 | 1471379.60 | 563056.79 | 1471367.50 |
| 563075.69 | 1471390.73 | | | | | |

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US Army Corps of Engineers
Baltimore District

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

U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Designed by:
Date by: OCT 14
Checked by:
Date by: SMG
Reviewed by: SMG
Submitted by:
Date: OCT 14
Design file name: 14V01-15-002
Drawing code:
Plot scale: 1"=100'
Plot date:
Plot name:
Date: Mon, Brown
Rev:

BALTIMORE HARBOR
MARYLAND

CONDITION SURVEY
SHALLOW CREEK
STATION 0+000 TO 2+100
SHALLOW CREEK SPUR
STATION 0+000 TO 1+942

Sheet reference number:
V-102
Sheet 2 of 2