

1 National Geodetic Survey, Retrieval Date = July 26, 2007
 JV6796 *****

JV6796 DESIGNATION - LONG BAR P0080

JV6796 PID - JV6796
 JV6796 STATE/COUNTY- MD/HARFORD
 JV6796 USGS QUAD - EDGEWOOD (1985)

JV6796 *CURRENT SURVEY CONTROL

JV6796* NAD 83(1991)- 39 27 33.43944(N) 076 15 25.20077(W) ADJUSTED
 JV6796* NAVD 88 - 9.5 (meters) 31. (feet) VERTCON

JV6796 X - 1,171,458.569 (meters) COMP
 JV6796 Y - -4,789,890.731 (meters) COMP
 JV6796 Z - 4,031,799.884 (meters) COMP
 JV6796 LAPLACE CORR- -2.13 (seconds) DEFLEC99
 JV6796 ELLIP HEIGHT- -23.455 (meters) (09/18/02) GPS OBS
 JV6796 GEOID HEIGHT- -33.09 (meters) GEOID03

JV6796 HORZ ORDER - FIRST
 JV6796 ELLP ORDER - FOURTH CLASS II

JV6796.The horizontal coordinates were established by GPS observations
 JV6796.and adjusted by the National Geodetic Survey in January 1992.

JV6796.The NAVD 88 height was computed by applying the VERTCON shift value to
 JV6796.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JV6796.The X, Y, and Z were computed from the position and the ellipsoidal ht.

JV6796.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6796.The ellipsoidal height was determined by GPS observations
 JV6796.and is referenced to NAD 83.

JV6796.The geoid height was determined by GEOID03.

	North	East	Units	Scale Factor	Converg.
JV6796; SPC MD	- 199,255.157	463,944.618	MT	1.00000164	+0 27 58.8
JV6796; SPC MD	- 653,722.96	1,522,124.97	sFT	1.00000164	+0 27 58.8
JV6796; UTM 18	- 4,368,500.316	391,859.651	MT	0.99974398	-0 47 56.2

JV6796!	- Elev Factor	x	Scale Factor	=	Combined Factor
JV6796! SPC MD	- 1.00000368	x	1.00000164	=	1.00000532
JV6796! UTM 18	- 1.00000368	x	0.99974398	=	0.99974766

	Primary Azimuth Mark	Grid Az
JV6796: SPC MD	- LONG BAR AZ MK	056 14 19.4
JV6796: UTM 18	- LONG BAR AZ MK	057 30 14.4

JV6796	PID	Reference Object	Distance	Geod. Az
JV6796	JV6797	LONG BAR AZ MK	APPROX. 1.0 KM	0564218.2

JV6796

JV6796 SUPERSEDED SURVEY CONTROL
JV6796
JV6796 ELLIP H (01/27/92) -23.589 (m) GP() 4 1
JV6796 NAD 83(1986)- 39 27 33.43347(N) 076 15 25.20725(W) AD() 1
JV6796 NGVD 29 (06/18/91) 9.8 (m) 32. (f) GPS OBS
JV6796

JV6796.Superseded values are not recommended for survey control.
JV6796.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
JV6796.[See file dsdata.txt](#) to determine how the superseded data were derived.
JV6796

JV6796_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SUJ9186068500(NAD 83)
JV6796_MARKER: DD = SURVEY DISK
JV6796_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
JV6796_SP_SET: CONCRETE POST
JV6796_STAMPING: 8 LONG BAR 1989
JV6796_MARK LOGO: MD-025
JV6796_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
JV6796_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
JV6796+STABILITY: SURFACE MOTION
JV6796_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
JV6796+SATELLITE: SATELLITE OBSERVATIONS - 1989

JV6796
JV6796 HISTORY - Date Condition Report By
JV6796 HISTORY - 1989 MONUMENTED RDA
JV6796 HISTORY - 20060803 MARK NOT FOUND MDSHA
JV6796

JV6796 STATION DESCRIPTION

JV6796
JV6796'DESCRIBED BY RINKER DETWILER AND ASSOCIATES 1989
JV6796'THE STATION IS LOCATED IN SOUTHERN HARFORD COUNTY MARYLAND NEAR THE
JV6796'VILLAGE OF LONG BAR HARBOR ON U.S. HIGHWAY 40.
JV6796'TO REACH THE STATION FROM THE INTERSECTION OF U.S. HIGHWAY 40 AND
JV6796'STATE HIGHWAY 152 PROCEED NORTHEAST ALONG HIGHWAY 40 4.8 MILES TO A
JV6796'ONE STORY BRICK BUILDING AND THE STATION ON THE RIGHT.
JV6796'THE STATION IS A STANDARD HARFORD COUNTY STATION DISK SET IN CONCRETE
JV6796'1 INCH BELOW THE GROUND STAMPED 8 LONG BAR 1989. THE STATION IS 45.9
JV6796'FEET NORTH FROM THE NORTHWEST CORNER OF ONE STORY BRICK BUILDING
JV6796'POSTED 3909, 78.2 FEET SOUTHWEST FROM A G AND E POLE NUMBER 139843 AND
JV6796'4.5 FEET SOUTHEAST FROM THE EDGE OF PAVEMENT SOUTH OF THE EAST BOUND
JV6796'LANES OF HIGHWAY 40.

JV6796
JV6796 STATION RECOVERY (2006)
JV6796

JV6796'RECOVERY NOTE BY MARYLAND DOT HIGHWAY ADMINISTRATION 2006 (DCS)
JV6796'MARK NOT FOUND. DESCRIPTION PLACES MARK IN A PAVED PARKING LOT
JV6796'ENTRANCE.

Station was found under paving on January 16, 2003 by Harford County, Maryland and may have been paved over again since then. JLM

**RINKER-DETWILER INFORMATION FROM HARFORD COUNTY SURVEY CONTROL BOOK
NAD 83/86 COORDINATES - NGVD29 ELEVATIONS**

LATITUDE 039 27 33.43305 NORTH(sf) 653722.310
LONGITUDE 076 15 25.20793 EAST(sf) 1522124.410
GRID AZ. 056 14 19.2 ELEV. GPS OBS. 32.12 ft.

1 National Geodetic Survey, Retrieval Date = July 26, 2007

JV6797 *****

JV6797 DESIGNATION - LONG BAR AZ MK

P0081

JV6797 PID - JV6797

JV6797 STATE/COUNTY- MD/HARFORD

JV6797 USGS QUAD - PERRYMAN (1984)

JV6797

JV6797 *CURRENT SURVEY CONTROL

JV6797

JV6797* NAD 83(1991)- 39 27 50.35275(N) 076 14 51.97388(W) ADJUSTED

JV6797* NAVD 88 - 2.2 (meters) 7. (feet) GPS OBS

JV6797

JV6797 X - 1,172,149.978 (meters) COMP

JV6797 Y - -4,789,374.377 (meters) COMP

JV6797 Z - 4,032,197.865 (meters) COMP

JV6797 LAPLACE CORR- -1.91 (seconds) DEFLEC99

JV6797 ELLIP HEIGHT- -30.889 (meters) (08/30/02) GPS OBS

JV6797 GEOID HEIGHT- -33.09 (meters) GEOID03

JV6797

JV6797 HORZ ORDER - FIRST

JV6797 ELLP ORDER - FOURTH CLASS II

JV6797

JV6797.The horizontal coordinates were established by GPS observations

JV6797.and adjusted by the National Geodetic Survey in January 1992.

JV6797

JV6797.The orthometric height was determined by GPS observations and a

JV6797.high-resolution geoid model.

JV6797

JV6797.The X, Y, and Z were computed from the position and the ellipsoidal ht.

JV6797

JV6797.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6797

JV6797.The ellipsoidal height was determined by GPS observations

JV6797.and is referenced to NAD 83.

JV6797

JV6797.The geoid height was determined by GEOID03.

JV6797

JV6797; North East Units Scale Factor Converg.

JV6797;SPC MD - 199,783.254 464,734.634 MT 1.00000248 +0 28 19.6

JV6797;SPC MD - 655,455.56 1,524,716.88 sFT 1.00000248 +0 28 19.6

JV6797;UTM 18 - 4,369,010.707 392,660.929 MT 0.99974186 -0 47 35.3

JV6797

JV6797! - Elev Factor x Scale Factor = Combined Factor

JV6797!SPC MD - 1.00000485 x 1.00000248 = 1.00000733

JV6797!UTM 18 - 1.00000485 x 0.99974186 = 0.99974670

JV6797

JV6797: Primary Azimuth Mark Grid Az

JV6797:SPC MD - BATA 056 06 56.4

JV6797:UTM 18 - BATA 057 22 51.3

JV6797

JV6797 |-----|

JV6797 | PID Reference Object Distance Geod. Az

JV6797 | | | | dddmmss.s

JV6797 | JV7288 BATA 494.316 METERS 0563516.0

JV6797 |-----|

JV6797
 JV6797 SUPERSEDED SURVEY CONTROL
 JV6797
 JV6797 ELLIP H (08/17/94) -30.917 (m) GP() 4 1
 JV6797 ELLIP H (01/27/92) -31.104 (m) GP() 4 1
 JV6797 NAD 83(1986)- 39 27 50.34674(N) 076 14 51.98035(W) AD() 1
 JV6797 NGVD 29 (06/18/91) 2.3 (m) 8. (f) GPS OBS
 JV6797

JV6797.Superseded values are not recommended for survey control.
 JV6797.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 JV6797.[See file dsdata.txt](#) to determine how the superseded data were derived.
 JV6797

JV6797_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SUJ9266169011(NAD 83)
 JV6797_MARKER: DZ = AZIMUTH MARK DISK
 JV6797_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 JV6797_SP_SET: CONCRETE POST
 JV6797_STAMPING: 8 LONG BAR 1989
 JV6797_MARK LOGO: MD-025
 JV6797_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
 JV6797_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 JV6797+STABILITY: SURFACE MOTION
 JV6797_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 JV6797+SATELLITE: SATELLITE OBSERVATIONS - December 09, 1993

JV6797
 JV6797 HISTORY - Date Condition Report By
 JV6797 HISTORY - 1989 MONUMENTED RDA
 JV6797 HISTORY - 19931209 GOOD GEOMET

JV6797
 JV6797 STATION DESCRIPTION
 JV6797

JV6797'DESCRIBED BY RINKER DETWILER AND ASSOCIATES 1989
 JV6797'TO REACH THE AZIMUTH FROM THE STATION PROCEED NORTHEAST ALONG HIGHWAY
 JV6797'40 0.6 MILE TO THE MARK ON THE RIGHT.
 JV6797'THE MARK IS A STANDARD HARFORD COUNTY AZIMUTH DISK SET IN CONCRETE
 JV6797'ABOUT 1 INCH BELOW GROUND STAMPED 8 LONG BAR 1989. THE MARK IS 175.6
 JV6797'FEET NORTHEAST FROM A MANHOLE MARKED WATER VALVE MAIN VAULT, 74.2 FEET
 JV6797'NORTHEAST FROM A G AND E POLE NUMBER 492287, 9.8 FEET SOUTHEAST FROM
 JV6797'THE EDGE OF PAVEMENT SOUTH OF THE EAST BOUND LANES OF HIGHWAY 40 AND
 JV6797'3117.66 FEET FROM THE STATION.

JV6797
 JV6797 STATION RECOVERY (1993)
 JV6797

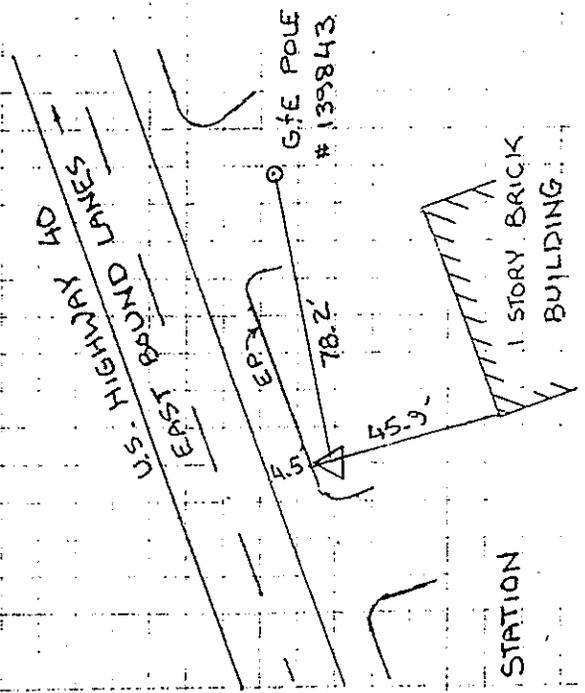
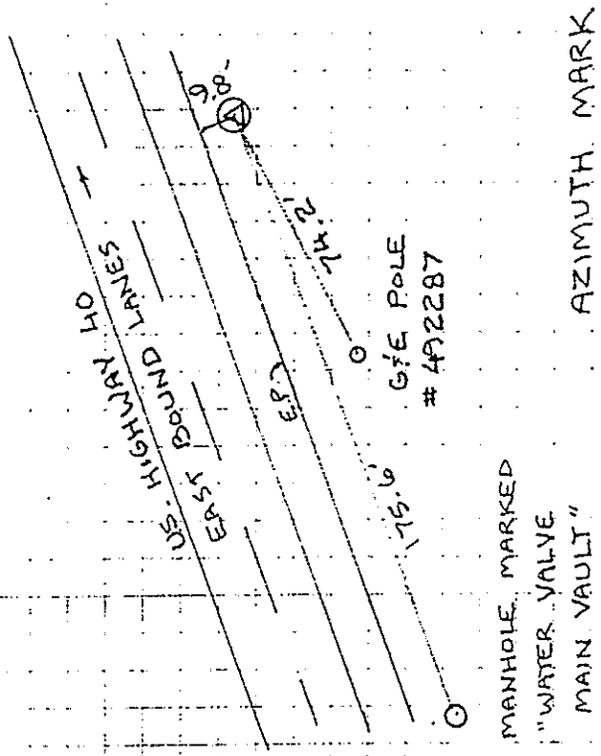
JV6797'RECOVERY NOTE BY GEOMETRICS GPS INCORPORATED 1993
 JV6797'RECOVERED IN GOOD CONDITION.

**RINKER-DETWILER INFORMATION FROM HARFORD COUNTY SURVEY CONTROL BOOK
 NAD 83/86 COORDINATES - NGVD29 ELEVATIONS**

LATITUDE 039 27 50.34630 NORTH(sf) 655454.901
 LONGITUDE 076 14 51.98089 EAST(sf) 1524716.336
 GRID AZ. 236 14.19.2 *ELEV. GPS OBS. 7.48 ft.

* Elevation was found to be **8.08 ft** as a result of a level run by Harford County, Maryland dated January 17, 2003 Starting at control point **BATA (P1460)**and ending at **LONG BAR (P0080)**station.

8
LONG BAR
1989



RINKER-DETWILER & ASSOCIATES, P.C.

Engineering • Surveying • Land Planning
Global Positioning System • Mapping

