

1 National Geodetic Survey, Retrieval Date = August 1, 2007  
 JV6807 \*\*\*\*\*

**P1060**

JV6807 DESIGNATION - MCNABB  
 JV6807 PID - JV6807  
 JV6807 STATE/COUNTY- MD/HARFORD  
 JV6807 USGS QUAD - DELTA (1990)  
 JV6807  
 JV6807 \*CURRENT SURVEY CONTROL  
 JV6807  
 JV6807\* NAD 83(1991)- 39 41 55.72351(N) 076 17 47.32126(W) ADJUSTED  
 JV6807\* NAVD 88 - 130.3 (meters) 427. (feet) VERTCON  
 JV6807  
 JV6807 X - 1,164,166.070 (meters) COMP  
 JV6807 Y - -4,774,325.724 (meters) COMP  
 JV6807 Z - 4,052,373.843 (meters) COMP  
 JV6807 LAPLACE CORR- -2.58 (seconds) DEFLEC99  
 JV6807 ELLIP HEIGHT- 97.477 (meters) (09/18/02) GPS OBS  
 JV6807 GEOID HEIGHT- -32.80 (meters) GEOID03  
 JV6807  
 JV6807 HORZ ORDER - FIRST  
 JV6807 ELLP ORDER - FOURTH CLASS II  
 JV6807

JV6807.The horizontal coordinates were established by GPS observations  
 JV6807.and adjusted by the National Geodetic Survey in January 1992.

JV6807.The NAVD 88 height was computed by applying the VERTCON shift value to  
 JV6807.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JV6807.The X, Y, and Z were computed from the position and the ellipsoidal ht.

JV6807.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6807.The ellipsoidal height was determined by GPS observations  
 JV6807.and is referenced to NAD 83.

JV6807.The geoid height was determined by GEOID03.

JV6807;  

	North	East	Units	Scale Factor	Converg.
JV6807;SPC MD	- 225,821.589	460,342.160	MT	1.00005301	+0 26 29.6
JV6807;SPC MD	- 740,883.00	1,510,305.90	sFT	1.00005301	+0 26 29.6
JV6807;UTM 18	- 4,395,132.534	388,846.568	MT	0.99975211	-0 49 41.6

JV6807!  
 JV6807!SPC MD - Elev Factor x Scale Factor = Combined Factor  
 - 0.99998471 x 1.00005301 = 1.00003772  
 JV6807!UTM 18 - 0.99998471 x 0.99975211 = 0.99973682

PID	Reference Object	Distance	Geod. Az
			ddmmss.s
JV6808	MCNABB AZ MK	325.534 METERS	13733

JV6807  
 JV6807 SUPERSEDED SURVEY CONTROL  
 JV6807  
 JV6807 ELLIP H (01/27/92) 97.490 (m) GP( ) 4 1  
 JV6807 NAD 83(1986)- 39 41 55.71617(N) 076 17 47.32719(W) AD( ) 1

JV6807 NGVD 29 (06/18/91) 130.5 (m) 428. (f) GPS OBS  
 JV6807  
 JV6807.Superseded values are not recommended for survey control.  
 JV6807.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.  
 JV6807.[See file dsdata.txt](#) to determine how the superseded data were derived.  
 JV6807  
 JV6807\_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SUJ8884795133(NAD 83)  
 JV6807\_MARKER: DD = SURVEY DISK  
 JV6807\_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT  
 JV6807\_SP\_SET: CONCRETE POST  
 JV6807\_STAMPING: 106 MCNABB 1989  
 JV6807\_MARK LOGO: MD-025  
 JV6807\_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET  
 JV6807\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO  
 JV6807+STABILITY: SURFACE MOTION  
 JV6807\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR  
 JV6807+SATELLITE: SATELLITE OBSERVATIONS - 1989  
 JV6807  

JV6807	HISTORY	- Date	Condition	Report By
JV6807	HISTORY	- 1989	MONUMENTED	RDA
JV6807	HISTORY	- 20010421	MARK NOT FOUND	USPSQD

 JV6807  
 JV6807 STATION DESCRIPTION  
 JV6807  
 JV6807'DESCRIBED BY RINKER DETWILER AND ASSOCIATES 1989  
 JV6807'THE STATION IS LOCATED IN NORTHEASTERN HARFORD COUNTY, MARYLAND ABOUT  
 JV6807'2.5 MILES SOUTHEAST OF THE VILLAGE OF WHITEFORD.  
 JV6807'TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAY 136 AND  
 JV6807'STATE HIGHWAY 165 IN THE VILLAGE OF WHITEFORD PROCEED SOUTHEAST ALONG  
 JV6807'HIGHWAY 136 1.7 MILES TO ITS INTERSECTION WITH PROSPECT ROAD. TURN  
 JV6807'LEFT AND PROCEED NORTH ALONG PROSPECT ROAD 0.65 MILES TO ITS  
 JV6807'INTERSECTION WITH MC NABB ROAD. TURN RIGHT AND PROCEED SOUTHEAST  
 JV6807'ALONG MC NABB ROAD 0.2 MILES TO THE STATION ON THE LEFT.  
 JV6807'THE STATION IS A STANDARD HARFORD COUNTY STATION DISK SET IN CONCRETE  
 JV6807'ABOUT 1 INCH BELOW GROUND STAMPED 106 MCNABB 1989. THE STATION IS  
 JV6807'134.0 FEET WEST OF THE WEST CORNER OF HOUSE BOX 4119, 18.0 FEET  
 JV6807'NORTHWEST OF THE CENTERLINE OF PRIVATE DRIVE, AND 17.0 FEET NORTHEAST  
 JV6807'OF THE CENTERLINE OF MCNABB ROAD.  
 JV6807  
 JV6807 STATION RECOVERY (2001)  
 JV6807  
 JV6807'RECOVERY NOTE BY US POWER SQUADRON 2001 (JC)  
 JV6807'NOT RECOVERED BECAUSE ATTACK DOG ON PREMISES.

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

LATITUDE	039 41 55.71667	NORTH(sf)	740882.303
LONGITUDE	076 17 47.32586	EAST(sf)	1510305.551
GRID AZ.	137 06 07.7	ELEV. GPS OBS.	428.10 ft.

1 National Geodetic Survey, Retrieval Date = August 1, 2007  
 JV6808 \*\*\*\*\*

JV6808 DESIGNATION - MCNABB AZ MK  
 JV6808 PID - JV6808  
 JV6808 STATE/COUNTY- MD/HARFORD  
 JV6808 USGS QUAD - DELTA (1990)

**P1061**

JV6808 \*CURRENT SURVEY CONTROL

JV6808\* NAD 83(1991)- 39 41 47.93593(N) 076 17 38.09804(W) ADJUSTED  
 JV6808\* NAVD 88 - 124.6 (meters) 409. (feet) VERTCON

JV6808 X - 1,164,414.872 (meters) COMP  
 JV6808 Y - -4,774,418.471 (meters) COMP  
 JV6808 Z - 4,052,185.419 (meters) COMP  
 JV6808 LAPLACE CORR- -2.53 (seconds) DEFLEC99  
 JV6808 ELLIP HEIGHT- 91.808 (meters) (09/18/02) GPS OBS  
 JV6808 GEOID HEIGHT- -32.80 (meters) GEOID03

JV6808 HORZ ORDER - FIRST  
 JV6808 ELLP ORDER - FOURTH CLASS II

JV6808.The horizontal coordinates were established by GPS observations  
 and adjusted by the National Geodetic Survey in January 1992.

JV6808.The NAVD 88 height was computed by applying the VERTCON shift value to  
 the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JV6808.The X, Y, and Z were computed from the position and the ellipsoidal ht.

JV6808.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6808.The ellipsoidal height was determined by GPS observations  
 and is referenced to NAD 83.

JV6808.The geoid height was determined by GEOID03.

	North	East	Units	Scale Factor	Converg.
JV6808; SPC MD	- 225,583.101	460,563.761	MT	1.00005246	+0 26 35.4
JV6808; SPC MD	- 740,100.56	1,511,032.94	sFT	1.00005246	+0 26 35.4
JV6808; UTM 18	- 4,394,889.267	389,062.765	MT	0.99975152	-0 49 35.5

JV6808!  
 JV6808! SPC MD - Elev Factor x Scale Factor = Combined Factor  
 - 0.99998560 x 1.00005246 = 1.00003806  
 JV6808! UTM 18 - 0.99998560 x 0.99975152 = 0.99973712

PID	Reference Object	Distance	Geod. Az
			ddmmss.s
JV6807	MCNABB	325.534 METERS	31733

JV6808 SUPERSEDED SURVEY CONTROL

JV6808 ELLIP H (01/27/92) 91.821 (m) GP( ) 4 1  
 JV6808 NAD 83(1986)- 39 41 47.92858(N) 076 17 38.10396(W) AD( ) 1

JV6808 NGVD 29 (06/18/91) 124.8 (m) 409. (f) GPS OBS  
 JV6808  
 JV6808.Superseded values are not recommended for survey control.  
 JV6808.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.  
 JV6808.[See file dsdata.txt](#) to determine how the superseded data were derived.  
 JV6808  
 JV6808\_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SUJ8906394889(NAD 83)  
 JV6808\_MARKER: DZ = AZIMUTH MARK DISK  
 JV6808\_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT  
 JV6808\_SP\_SET: CONCRETE POST  
 JV6808\_STAMPING: 106 MCNABB 1989  
 JV6808\_MARK LOGO: MD-025  
 JV6808\_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET  
 JV6808\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO  
 JV6808+STABILITY: SURFACE MOTION  
 JV6808\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR  
 JV6808+SATELLITE: SATELLITE OBSERVATIONS - April 21, 2001  
 JV6808  

JV6808	HISTORY	- Date	Condition	Report By
JV6808	HISTORY	- 1989	MONUMENTED	RDA
JV6808	HISTORY	- 19900105	GOOD	
JV6808	HISTORY	- 20010421	GOOD	USPSQD

 JV6808  
 JV6808 STATION DESCRIPTION  
 JV6808  
 JV6808'DESCRIBED BY RINKER DETWILER AND ASSOCIATES 1989  
 JV6808'TO REACH THE AZIMUTH MARK FROM THE STATION PROCEED SOUTHEAST ALONG MC  
 JV6808'NABB ROAD 0.15 MILES TO THE MARK ON THE LEFT.  
 JV6808'THE MARK IS A STANDARD HARFORD COUNTY AZIMUTH DISK SET IN CONCRETE  
 JV6808'ABOUT 1 INCH BELOW GROUND STAMPED 106 MCNABB 1989. THE MARK IS 38.0  
 JV6808'FEET SOUTHEAST OF THE CENTERLINE OF PRIVATE DRIVE BOX 4107, 12.2 FEET  
 JV6808'NORTHEAST OF THE CENTERLINE OF MC NABB ROAD, AND 31.7 FEET NORTHEAST  
 JV6808'OF CONOWINGO POWER POLE NUMBER 9598 AND 1068.04 FEET FROM THE STATION.  
 JV6808  
 JV6808 STATION RECOVERY (1990)  
 JV6808  
 JV6808'RECOVERED 1990  
 JV6808'RECOVERED IN GOOD CONDITION.  
 JV6808  
 JV6808 STATION RECOVERY (2001)  
 JV6808  
 JV6808'RECOVERY NOTE BY US POWER SQUADRON 2001 (JC)  
 JV6808'RECOVERED IN GOOD CONDITION.

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

LATITUDE	039 41 47.92907	NORTH(sf)	740099.860
LONGITUDE	076 17 38.10262	EAST(sf)	1511032.587
GRID AZ.	317 06 07.7	ELEV. GPS OBS.	409.51 ft.

106 MCNABB 1989

RESIDENCE  
BOX 4119

PRIVATE DRIVE  
BOX 4119

PRIVATE DRIVE  
BOX 4107

MCNABB ROAD  
SOUTH BOUND LANE

MCNABB ROAD  
SOUTH BOUND LANE

PRIVATE DRIVE  
BOX 4122

CONOWINGO  
POLE # 9598

38.0'  
12.2'  
31.7'

134.0'

18.0'

17.0'



RINKER-DETWILER & ASSOCIATES, P.C.

Engineering • Surveying • Land Planning  
Global Positioning System • Mapping