

1 National Geodetic Survey, Retrieval Date = August 1, 2007  
 JV6811 \*\*\*\*\*

JV6811 DESIGNATION - MT PLEASANT P0860

JV6811 PID - JV6811  
 JV6811 STATE/COUNTY- MD/HARFORD  
 JV6811 USGS QUAD - ABERDEEN (1985)

JV6811 \*CURRENT SURVEY CONTROL

JV6811*	NAD 83(1991)-	39 33 18.95613(N)	076 07 44.69441(W)	ADJUSTED
JV6811*	NAVD 88	- 100.1 (meters)	328. (feet)	VERTCON
JV6811	X	- 1,180,541.119 (meters)		COMP
JV6811	Y	- 4,780,749.893 (meters)		COMP
JV6811	Z	- 4,040,078.969 (meters)		COMP
JV6811	LAPLACE CORR-	-3.87 (seconds)		DEFLEC99
JV6811	ELLIP HEIGHT-	67.093 (meters)	(09/18/02)	GPS OBS
JV6811	GEOID HEIGHT-	-33.03 (meters)		GEOID03

JV6811 HORZ ORDER - FIRST  
 JV6811 ELLP ORDER - FOURTH CLASS II

JV6811.The horizontal coordinates were established by GPS observations  
 JV6811.and adjusted by the National Geodetic Survey in January 1992.

JV6811.The NAVD 88 height was computed by applying the VERTCON shift value to  
 JV6811.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JV6811.The X, Y, and Z were computed from the position and the ellipsoidal ht.

JV6811.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6811.The ellipsoidal height was determined by GPS observations  
 JV6811.and is referenced to NAD 83.

JV6811.The geoid height was determined by GEOID03.

JV6811;		North	East	Units	Scale Factor	Converg.
JV6811;SPC MD	-	210,007.949	474,851.663	MT	1.00002011	+0 32 47.8
JV6811;SPC MD	-	689,001.08	1,557,909.16	sFT	1.00002011	+0 32 47.8
JV6811;UTM 18	-	4,379,006.644	402,998.387	MT	0.99971585	-0 43 08.7
JV6811!	-	Elev Factor	x Scale Factor	=	Combined Factor	
JV6811!SPC MD	-	0.99998947	x 1.00002011	=	1.00000958	
JV6811!UTM 18	-	0.99998947	x 0.99971585	=	0.99970533	

JV6811 SUPERSEDED SURVEY CONTROL

JV6811	ELLIP H (01/27/92)	67.082 (m)		GP( )	4 1
JV6811	NAD 83(1986)-	39 33 18.94970(N)	076 07 44.70031(W)	AD( )	1
JV6811	NGVD 29 (06/18/91)	100.4 (m)	329. (f)	GPS OBS	

JV6811.Superseded values are not recommended for survey control.  
 JV6811.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.  
 JV6811.[See file dsdata.txt](#) to determine how the superseded data were derived.  
 JV6811

JV6811\_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SVJ0299879007(NAD 83)  
 JV6811\_MARKER: DD = SURVEY DISK  
 JV6811\_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT  
 JV6811\_SP\_SET: CONCRETE POST  
 JV6811\_STAMPING: 86 MT. PLEASANT 1989  
 JV6811\_MARK LOGO: MD-025  
 JV6811\_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET  
 JV6811\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO  
 JV6811+STABILITY: SURFACE MOTION  
 JV6811\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR  
 JV6811+SATELLITE: SATELLITE OBSERVATIONS - 1989

JV6811  
 JV6811 HISTORY - Date Condition Report By  
 JV6811 HISTORY - 1989 MONUMENTED RDA  
 JV6811 HISTORY - 19971219 GOOD DMW  
 JV6811 HISTORY - 19990501 MARK NOT FOUND USPSQD

JV6811 STATION DESCRIPTION

JV6811'DESCRIBED BY RINKER DETWILER AND ASSOCIATES 1989  
 JV6811'THE STATION IS LOCATED IN EASTERN HARFORD COUNTY, MARYLAND ABOUT 0.5  
 JV6811'MILE WEST OF THE TOWN OF HAVRE DE GRACE ON CHAPEL ROAD.  
 JV6811'TO REACH THE STATION FROM THE INTERSECTION FEDERAL HIGHWAY 40 AND  
 JV6811'STATE HIGHWAY 155 PROCEED NORTH ALONG HIGHWAY 155 300 FEET TO ITS  
 JV6811'INTERSECTION WITH ONTARIO STREET. TURN LEFT AND PROCEED WEST ALONG  
 JV6811'ONTARIO STREET 1 MILE WHERE ONTARIO BECOMES CHAPEL ROAD CONTINUE WEST  
 JV6811'ALONG CHAPEL ROAD 0.5 MILES TO THE STATION ON THE LEFT.  
 JV6811'THE STATION IS A STANDARD HARFORD COUNTY STATION DISK SET IN CONCRETE  
 JV6811'ABOUT 1 INCH BELOW GROUND STAMPED 86 MT. PLEASANT 1989. THE STATION  
 JV6811'IS 86.6 FEET SOUTHEAST FROM G AND E POLE NUMBER 832883, 31.8 FEET  
 JV6811'SOUTHEAST FROM THE END OF A BOARD FENCE, 12.9 FEET SOUTHWEST FROM THE  
 JV6811'SOUTH EDGE OF PAVEMENT OF CHAPEL ROAD, 1.2 FEET NORTHEAST FROM A WIRE  
 JV6811'FENCE.

JV6811 STATION RECOVERY (1997)

JV6811'RECOVERY NOTE BY DAFT MCCUNE WALKER INCORPORATED 1997 (DMM)  
 JV6811'RECOVERED AS DESCRIBED.

JV6811 STATION RECOVERY (1999)

JV6811'RECOVERY NOTE BY US POWER SQUADRON 1999  
 JV6811'MARK NOT FOUND.

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

LATITUDE 039 33 18.94902 NORTH(sf) 689000.357  
 LONGITUDE 076 07 44.69992 EAST(sf) 1557908.740  
 GRID AZ. 104 45 09.4 ELEV. GPS OBS. 329.39 ft

1 National Geodetic Survey, Retrieval Date = August 1, 2007  
JV6812 \*\*\*\*\*

JV6812 DESIGNATION - MT PLEASANT AZ MK P0861

JV6812 PID - JV6812  
JV6812 STATE/COUNTY- MD/HARFORD  
JV6812 USGS QUAD - ABERDEEN (1985)

JV6812 \*CURRENT SURVEY CONTROL

JV6812\* NAD 83(1991)- 39 33 17.48205(N) 076 07 37.73423(W) ADJUSTED

JV6812\* NAVD 88 - 97. (meters) 318. (feet) VERTCON

JV6812 LAPLACE CORR- -3.93 (seconds) DEFLEC99

JV6812 GEOID HEIGHT- -33.03 (meters) GEOID03

JV6812 HORZ ORDER - SECOND

JV6812.The horizontal coordinates were established by classical geodetic methods

JV6812.and adjusted by the National Geodetic Survey in January 1992.

JV6812.No horizontal observational check was made to the station.

JV6812

JV6812.The NAVD 88 height was computed by applying the VERTCON shift value to JV6812.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JV6812

JV6812.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6812

JV6812.The geoid height was determined by GEOID03.

JV6812

	North	East	Units	Scale	Factor	Converg.
JV6812;SPC MD	- 209,964.076	475,018.259	MT	1.00002003	+0 32 52.2	
JV6812;SPC MD	- 688,857.14	1,558,455.74	sFT	1.00002003	+0 32 52.2	
JV6812;UTM 18	- 4,378,959.116	403,163.923	MT	0.99971545	-0 43 04.2	

JV6812

JV6812! - Elev Factor x Scale Factor = Combined Factor

JV6812!SPC MD - 0.99998994 x 1.00002003 = 1.00000997

JV6812!UTM 18 - 0.99998994 x 0.99971545 = 0.99970539

JV6812

JV6812 SUPERSEDED SURVEY CONTROL

JV6812

JV6812 NAD 83(1986)- 39 33 17.47554(N) 076 07 37.74017(W) AD( ) 2

JV6812 NGVD 29 (06/18/91) 97. (m) 318. (f) VERT ANG

JV6812

JV6812.Superseded values are not recommended for survey control.

JV6812.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

JV6812.[See file dsdata.txt](#) to determine how the superseded data were derived.

JV6812

JV6812\_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SVJ0316478959(NAD 83)

JV6812\_MARKER: DZ = AZIMUTH MARK DISK

JV6812\_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

JV6812\_SP\_SET: CONCRETE POST

JV6812\_STAMPING: 86 MT. PLEASANT 1989

JV6812\_MARK LOGO: MD-025

JV6812\_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

JV6812\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

JV6812+STABILITY: SURFACE MOTION

JV6812\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR  
JV6812+SATELLITE: SATELLITE OBSERVATIONS - 1989

JV6812

JV6812	HISTORY	- Date	Condition	Report By
JV6812	HISTORY	- 1989	MONUMENTED	RDA

JV6812

JV6812 STATION DESCRIPTION

JV6812

JV6812'DESCRIBED BY RINKER DETWILER AND ASSOCIATES 1989

JV6812'TO REACH THE AZIMUTH MARK FROM THE STATION PROCEED SOUTHEAST ALONG  
JV6812'CHAPEL ROAD 0.1 MILE TO A RESIDENCE POSTED 1701 AND THE MARK ON THE  
JV6812'LEFT.

JV6812'THE MARK IS A STANDARD HARFORD COUNTY AZIMUTH DISK SET IN CONCRETE  
JV6812'ABOUT 1 INCH BELOW GROUND STAMPED 86 MT. PLEASANT 1989. THE MARK IS  
JV6812'16.7 FEET WEST FROM G AND E POLE NUMBER 484863, 2.0 FEET SOUTHWEST  
JV6812'FROM A BOARD FENCE, 6.6 FEET NORTHEAST FROM THE NORTH EDGE OF PAVEMENT  
JV6812'OF CHAPEL ROAD, AND 565.21 FEET FROM THE STATION.

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

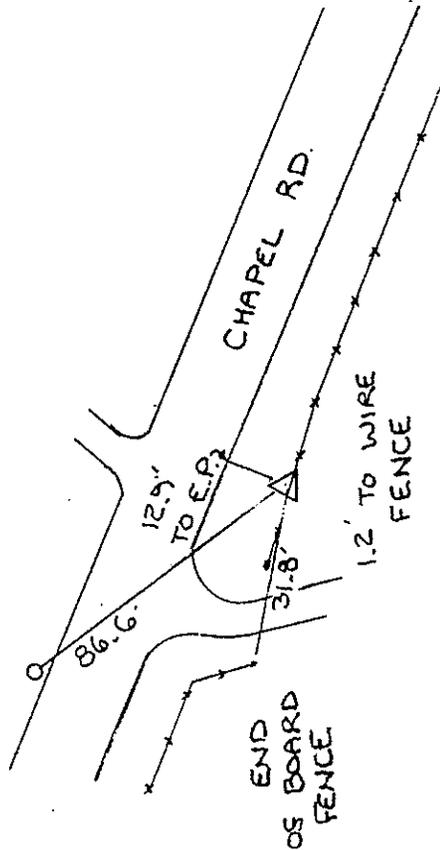
LATITUDE	039 33 17.47506	NORTH(sf)	688856.428
LONGITUDE	076 07 37.73958	EAST(sf)	1558455.325
GRID AZ.	284 45 09.4	ELEV.	NONE

86

MT. PLEASANT  
1989

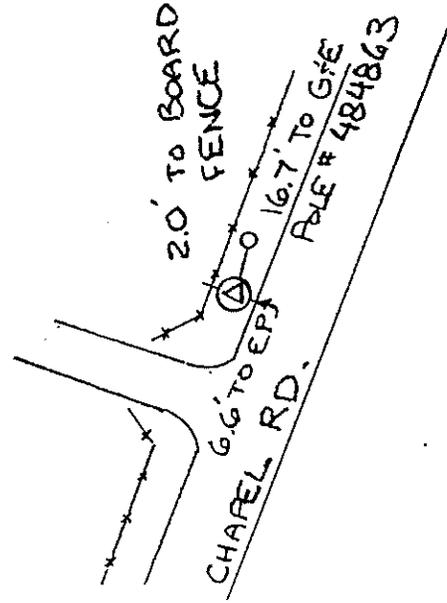


G/E POLE  
# 832883



STATION

RESIDENCE  
# 1701



AZIMUTH MARK

RINKER-DETWILER & ASSOCIATES, P.C.

Engineering • Surveying • Land Planning  
Global Positioning System • Mapping

