

1 National Geodetic Survey, Retrieval Date = August 1, 2007  
 JV6275 \*\*\*\*\*

JV6275 DESIGNATION - OLD POST P1260

JV6275 PID - JV6275  
 JV6275 STATE/COUNTY- MD/HARFORD  
 JV6275 USGS QUAD - EDGEWOOD (1985)

JV6275 \*CURRENT SURVEY CONTROL

JV6275*	NAD 83(1991)-	39 26 59.79041(N)	076 17 39.95537(W)	ADJUSTED
JV6275*	NAVD 88	- 27.665 (meters)	90.76 (feet)	ADJUSTED
JV6275	X	- 1,168,488.589 (meters)		COMP
JV6275	Y	- 4,791,309.246 (meters)		COMP
JV6275	Z	- 4,031,010.093 (meters)		COMP
JV6275	LAPLACE CORR-	-2.60 (seconds)		DEFLEC99
JV6275	ELLIP HEIGHT-	-5.400 (meters)	(09/18/02)	GPS OBS
JV6275	GEOID HEIGHT-	-33.06 (meters)		GEOID03
JV6275	DYNAMIC HT -	27.651 (meters)	90.72 (feet)	COMP
JV6275	MODELED GRAV-	980,108.3 (mgal)		NAVD 88

JV6275 HORZ ORDER - FIRST  
 JV6275 VERT ORDER - FIRST CLASS II  
 JV6275 ELLP ORDER - FOURTH CLASS II

JV6275.The horizontal coordinates were established by GPS observations  
 JV6275.and adjusted by the National Geodetic Survey in January 1992.

JV6275.The orthometric height was determined by differential leveling  
 JV6275.and adjusted by the NATIONAL GEODETIC SURVEY in June 1991.

JV6275.The X, Y, and Z were computed from the position and the ellipsoidal ht.  
 JV6275

JV6275.The Laplace correction was computed from DEFLEC99 derived deflections.  
 JV6275

JV6275.The ellipsoidal height was determined by GPS observations  
 JV6275.and is referenced to NAD 83.

JV6275.The geoid height was determined by GEOID03.  
 JV6275

JV6275.The dynamic height is computed by dividing the NAVD 88  
 JV6275.geopotential number by the normal gravity value computed on the  
 JV6275.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45  
 JV6275.degrees latitude (g = 980.6199 gals.).

JV6275.The modeled gravity was interpolated from observed gravity values.  
 JV6275

JV6275;		North	East	Units	Scale	Factor	Converg.
JV6275;SPC MD	-	198,191.890	460,731.217	MT	0.99999999	+0 26 34.2	
JV6275;SPC MD	-	650,234.56	1,511,582.33	sFT	0.99999999	+0 26 34.2	
JV6275;UTM 18	-	4,367,508.519	388,624.371	MT	0.99975273	-0 49 21.3	

JV6275!  
 JV6275!SPC MD - Elev Factor x Scale Factor = Combined Factor  
 JV6275!UTM 18 - 1.00000085 x 0.99975273 = 0.99975358

JV6275

JV6275: Primary Azimuth Mark Grid Az  
 JV6275:SPC MD - OLD POST AZ MK 247 16 32.6  
 JV6275:UTM 18 - OLD POST AZ MK 248 32 28.1

JV6275

JV6275	PID	Reference Object	Distance	Geod. Az
JV6275	JV6311	OLD POST AZ MK	426.574 METERS	2474306.8

JV6275

JV6275 SUPERSEDED SURVEY CONTROL

JV6275

JV6275 ELLIP H (01/27/92) -5.469 (m) GP( ) 4 1  
 JV6275 NAD 83(1986)- 39 26 59.78489(N) 076 17 39.96234(W) AD( ) 1  
 JV6275 NGVD 29 (06/18/91) 27.91 (m) 91.6 (f) LEVELING 3

JV6275

JV6275.Superseded values are not recommended for survey control.  
 JV6275.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.  
 JV6275.[See file dsdata.txt](#) to determine how the superseded data were derived.

JV6275

JV6275\_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SUJ8862467509(NAD 83)

JV6275\_MARKER: DD = SURVEY DISK

JV6275\_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

JV6275\_SP\_SET: CONCRETE POST

JV6275\_STAMPING: 126 OLD POST 1989

JV6275\_MARK LOGO: MD-025

JV6275\_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

JV6275\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

JV6275+STABILITY: SURFACE MOTION

JV6275\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

JV6275+SATELLITE: SATELLITE OBSERVATIONS - July 05, 2006

JV6275

JV6275	HISTORY	- Date	Condition	Report By
JV6275	HISTORY	- 1989	MONUMENTED	RDA
JV6275	HISTORY	- 1990	GOOD	USPSQD
JV6275	HISTORY	- 19970607	GOOD	DMW
JV6275	HISTORY	- 20020602	GOOD	USPSQD
JV6275	HISTORY	- 20040210	GOOD	DMW
JV6275	HISTORY	- 20050808	GOOD	DEWDAV
JV6275	HISTORY	- 20060705	GOOD	GPSSS

JV6275

JV6275 STATION DESCRIPTION

JV6275

JV6275'DESCRIBED BY RINKER DETWILER AND ASSOCIATES 1989  
 JV6275'THE STATION IS LOCATED IN SOUTH CENTRAL HARFORD COUNTY, MARYLAND NEAR  
 JV6275'OF THE VILLAGE OF VAN BIBBER ON THE GROUNDS OF OLD POST ELEMENTARY  
 JV6275'SCHOOL. TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAY  
 JV6275'24 AND STATE HIGHWAY 7 PROCEED EAST ALONG HIGHWAY 7 0.4 MILE TO  
 JV6275'STATION ON THE RIGHT ON THE GROUNDS OF OLD POST ELEMENTARY SCHOOL.  
 JV6275'THE STATION IS A STANDARD HARFORD COUNTY STATION DISC SET IN CONCRETE  
 JV6275'ABOUT 1 INCH BELOW GROUND STAMPED 126 OLD POST 1989. THE STATION IS  
 JV6275'43.5 FEET NORTH OF THE CENTERLINE OF HIGHWAY 7, 112 FEET WEST OF THE  
 JV6275'CENTERLINE OF THE EASTERN MOST ENTRANCE OF OLD POST ELEMENTARY  
 JV6275'SCHOOL, AND 106.3 FEET EAST OF A FIRE HYDRANT.

JV6275

JV6275 STATION RECOVERY (1990)

JV6275

JV6275'RECOVERY NOTE BY US POWER SQUADRON 1990 (ELD)  
 JV6275'RECOVERED IN GOOD CONDITION.  
 JV6275  
 JV6275 STATION RECOVERY (1997)  
 JV6275  
 JV6275'RECOVERY NOTE BY DAFT MCCUNE WALKER INCORPORATED 1997 (DMM)  
 JV6275'RECOVERED AS DESCRIBED.  
 JV6275  
 JV6275 STATION RECOVERY (2002)  
 JV6275  
 JV6275'RECOVERY NOTE BY US POWER SQUADRON 2002 (TB)  
 JV6275'MARKED BY A WOODEN STAKE.  
 JV6275  
 JV6275 STATION RECOVERY (2004)  
 JV6275  
 JV6275'RECOVERY NOTE BY DAFT MCCUNE WALKER INCORPORATED 2004 (JMS)  
 JV6275'RECOVERED IN GOOD CONDITION.  
 JV6275  
 JV6275 STATION RECOVERY (2005)  
 JV6275  
 JV6275'RECOVERY NOTE BY DEWBERRY DAVIS 2005 (JY)  
 JV6275'RECOVERED IN GOOD CONDITION.  
 JV6275  
 JV6275 STATION RECOVERY (2006)  
 JV6275  
 JV6275'RECOVERY NOTE BY GPS SALES AND SERVICES 2006  
 JV6275'RECOVERED BY TED OF SURVEY SERVICES, LLC

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

LATITUDE	039 26 59.78420	NORTH(sf)	650233.927
LONGITUDE	076 17 39.96327	EAST(sf)	1511581.719
GRID AZ.	247 16 32.9	ELEV. LEVEL OBS.	91.57 ft

1 National Geodetic Survey, Retrieval Date = August 1, 2007  
 JV6311 \*\*\*\*\*

JV6311 DESIGNATION - OLD POST AZ MK **P1261**  
 JV6311 PID - JV6311  
 JV6311 STATE/COUNTY- MD/HARFORD  
 JV6311 USGS QUAD - EDGEWOOD (1985)  
 JV6311  
 JV6311 \*CURRENT SURVEY CONTROL

JV6311*	NAD 83(1991)-	39 26 54.54565(N)	076 17 56.46390(W)	ADJUSTED
JV6311*	NAVD 88	- 28.267 (meters)	92.74 (feet)	ADJUSTED
JV6311	X	- 1,168,129.564 (meters)		COMP
JV6311	Y	- 4,791,503.059 (meters)		COMP
JV6311	Z	- 4,030,885.580 (meters)		COMP
JV6311	LAPLACE CORR-	-2.69 (seconds)		DEFLEC99
JV6311	ELLIP HEIGHT-	-4.790 (meters)	(09/18/02)	GPS OBS
JV6311	GEOID HEIGHT-	-33.05 (meters)		GEOID03
JV6311	DYNAMIC HT -	28.252 (meters)	92.69 (feet)	COMP
JV6311	MODELED GRAV-	980,107.8 (mgal)		NAVD 88
JV6311	HORZ ORDER -	FIRST		
JV6311	VERT ORDER -	FIRST	CLASS II	
JV6311	ELLP ORDER -	FOURTH	CLASS II	

JV6311.The horizontal coordinates were established by GPS observations  
 JV6311.and adjusted by the National Geodetic Survey in January 1992.  
 JV6311  
 JV6311.The orthometric height was determined by differential leveling  
 JV6311.and adjusted by the NATIONAL GEODETIC SURVEY in June 1991.  
 JV6311  
 JV6311.The X, Y, and Z were computed from the position and the ellipsoidal ht.  
 JV6311  
 JV6311.The Laplace correction was computed from DEFLEC99 derived deflections.  
 JV6311  
 JV6311.The ellipsoidal height was determined by GPS observations  
 JV6311.and is referenced to NAD 83.  
 JV6311  
 JV6311.The geoid height was determined by GEOID03.  
 JV6311  
 JV6311.The dynamic height is computed by dividing the NAVD 88  
 JV6311.geopotential number by the normal gravity value computed on the  
 JV6311.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45  
 JV6311.degrees latitude (g = 980.6199 gals.).  
 JV6311  
 JV6311.The modeled gravity was interpolated from observed gravity values.

JV6311;	North	East	Units	Scale	Factor	Converg.
JV6311;SPC MD	- 198,027.106	460,337.756	MT	0.99999974	+0 26 23.9	
JV6311;SPC MD	- 649,693.93	1,510,291.45	sFT	0.99999974	+0 26 23.9	
JV6311;UTM 18	- 4,367,352.502	388,227.465	MT	0.99975382	-0 49 31.7	
JV6311!	- Elev Factor	x Scale Factor	=	Combined Factor		
JV6311!SPC MD	- 1.00000075	x 0.99999974	=	1.00000049		
JV6311!UTM 18	- 1.00000075	x 0.99975382	=	0.99975457		

JV6311

JV6311: Primary Azimuth Mark Grid Az  
JV6311:SPC MD - OLD POST 067 16 32.4  
JV6311:UTM 18 - OLD POST 068 32 28.0

JV6311  
JV6311 |-----|  
JV6311 | PID Reference Object Distance Geod. Az |  
JV6311 | | | | dddmmss.s |  
JV6311 | JV6275 OLD POST 426.574 METERS 0674256.3 |  
JV6311 |-----|

JV6311

JV6311 SUPERSEDED SURVEY CONTROL

JV6311

JV6311 ELLIP H (01/27/92) -4.860 (m) GP( ) 4 1  
JV6311 NAD 83(1986)- 39 26 54.54013(N) 076 17 56.47088(W) AD( ) 1  
JV6311 NGVD 29 (06/18/91) 28.51 (m) 93.5 (f) LEVELING 3

JV6311

JV6311.Superseded values are not recommended for survey control.

JV6311.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

JV6311.[See file dsdata.txt](#) to determine how the superseded data were derived.

JV6311

JV6311\_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SUJ8822767353(NAD 83)

JV6311\_MARKER: DZ = AZIMUTH MARK DISK

JV6311\_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

JV6311\_SP\_SET: CONCRETE POST

JV6311\_STAMPING: 126 OLD POST 1989

JV6311\_MARK LOGO: MD-025

JV6311\_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

JV6311\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

JV6311+STABILITY: SURFACE MOTION

JV6311\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

JV6311+SATELLITE: SATELLITE OBSERVATIONS - September 23, 2006

JV6311

JV6311	HISTORY	- Date	Condition	Report By
JV6311	HISTORY	- 1989	MONUMENTED	RDA
JV6311	HISTORY	- 20020602	GOOD	USPSQD
JV6311	HISTORY	- 20060923	GOOD	USPSQD

JV6311

JV6311 STATION DESCRIPTION

JV6311

JV6311'DESCRIBED BY RINKER DETWILER AND ASSOCIATES 1989

JV6311'THE STATION IS LOCATED IN SOUTH CENTRAL HARFORD COUNTY, MARYLAND NEAR

JV6311'OF THE VILLAGE OF VAN BIBBER ON THE GROUNDS OF OLD POST ELEMENTARY

JV6311'SCHOOL. TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAY

JV6311'24 AND STATE HIGHWAY 7 PROCEED EAST ALONG HIGHWAY 7 0.4 MILE TO

JV6311'STATION ON THE RIGHT ON THE GROUNDS OF OLD POST ELEMENTARY SCHOOL.

JV6311'TO REACH THE AZIMUTH MARK FROM THE STATION PROCEED WEST ALONG HIGHWAY

JV6311'7 0.28 MILE TO THE AZIMUTH MARK ON THE LEFT. THE MARK IS A STANDARD

JV6311'HARFORD COUNTY AZIMUTH DISC SET IN CONCRETE ABOUT 1 INCH BELOW GROUND

JV6311'STAMPED 126 OLD POST 1989. THE MARK IS 34 FEET SOUTH OF THE

JV6311'CENTERLINE OF HIGHWAY 7, 33 FEET EAST OF B G AND E POWER POLE NUMBER

JV6311'533436, AND 87.9 FEET WEST OF C AND P OF MARYLAND POLE NUMBER 10.

JV6311

JV6311 STATION RECOVERY (2002)

JV6311

JV6311'RECOVERY NOTE BY US POWER SQUADRON 2002 (TB)

JV6311'MARKED BY A WOODEN STAKE. CHANGE BG AND E POWER POLE NUMBER 533436 TO

JV6311'C AND P OF MARYLAND POLE NUMBER 9.

JV6311

JV6311

STATION RECOVERY (2006)

JV6311

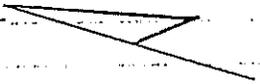
JV6311'RECOVERY NOTE BY US POWER SQUADRON 2006 (VHB)

JV6311'RECOVERED IN GOOD CONDITION.

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

LATITUDE	039 26 54.53944	NORTH(sf)	649693.297
LONGITUDE	076 17 56.47188	EAST(sf)	1510290.833
GRID AZ.	067 16 32.9	ELEV. LEVEL OBS.	93.55 ft

126 OLD POST 1989



CLEARVIEW  
GEORGEVIEW ROAD  
NORTH BOUND LANE

OLD POST ELEMENTARY  
SCHOOL  
EAST SCHOOL  
ENTRANCE

FIRE HYDRANT

106.3'

112.0'

43.5'

ROUTE 7

EAST BOUND LANE

ROUTE 7

EAST BOUND LANE

34.0'

87.9'

C+P of MD. POLE  
#10

89+ POLE  
#533436

6  
#9

1/16/98  
P.V.

User: John / Control / 126 old po.dgn & 126 az.dgn

RINKER-DETWILER & ASSOCIATES, P.C.

Engineering • Surveying • Land Planning  
Global Positioning System • Mapping

