

1 National Geodetic Survey, Retrieval Date = July 24, 2007
 JV6725 *****

JV6725 DESIGNATION - CARDIFF P1220

JV6725 PID - JV6725
 JV6725 STATE/COUNTY- MD/HARFORD
 JV6725 USGS QUAD - DELTA (1990)

JV6725 *CURRENT SURVEY CONTROL

JV6725* NAD 83(1991)- 39 43 15.52035(N) 076 20 07.57240(W) ADJUSTED
 JV6725* NAVD 88 - 132.7 (meters) 435. (feet) VERTCON

JV6725 X - 1,160,548.463 (meters) COMP
 JV6725 Y - -4,773,590.182 (meters) COMP
 JV6725 Z - 4,054,268.721 (meters) COMP
 JV6725 LAPLACE CORR- -2.52 (seconds) DEFLEC99
 JV6725 ELLIP HEIGHT- 99.968 (meters) (09/18/02) GPS OBS
 JV6725 GEOID HEIGHT- -32.77 (meters) GEOID03

JV6725 HORZ ORDER - FIRST
 JV6725 ELLP ORDER - FOURTH CLASS II

JV6725.The horizontal coordinates were established by GPS observations
 JV6725.and adjusted by the National Geodetic Survey in January 1992.

JV6725.The NAVD 88 height was computed by applying the VERTCON shift value to
 JV6725.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JV6725.The X, Y, and Z were computed from the position and the ellipsoidal ht.

JV6725.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6725.The ellipsoidal height was determined by GPS observations
 JV6725.and is referenced to NAD 83.

JV6725.The geoid height was determined by GEOID03.

JV6725;		North	East	Units	Scale Factor	Converg.
JV6725;SPC MD	-	228,257.669	456,982.761	MT	1.00005865	+0 25 01.6
JV6725;SPC MD	-	748,875.37	1,499,284.28	sFT	1.00005865	+0 25 01.6
JV6725;UTM 18	-	4,397,641.732	385,542.983	MT	0.99976128	-0 51 12.6

JV6725!	-	Elev Factor	x	Scale Factor	=	Combined Factor
JV6725!SPC MD	-	0.99998432	x	1.00005865	=	1.00004297
JV6725!UTM 18	-	0.99998432	x	0.99976128	=	0.99974560

JV6725:		Primary Azimuth Mark	Grid Az
JV6725:SPC MD	-	CARDIFF AZ MK	306 10 13.3
JV6725:UTM 18	-	CARDIFF AZ MK	307 26 27.5

JV6725	PID	Reference Object	Distance	Geod. Az
JV6725				ddmmss.s
JV6725	JV6726	CARDIFF AZ MK	APPROX. 0.7 KM	3063514.9

JV6725

JV6725 SUPERSEDED SURVEY CONTROL
 JV6725
 JV6725 ELLIP H (01/27/92) 99.972 (m) GP() 4 1
 JV6725 NAD 83(1986)- 39 43 15.51316(N) 076 20 07.57845(W) AD() 1
 JV6725 NGVD 29 (06/18/91) 133.0 (m) 436. (f) GPS OBS
 JV6725

JV6725.Superseded values are not recommended for survey control.
 JV6725.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 JV6725.[See file dsdata.txt](#) to determine how the superseded data were derived.
 JV6725

JV6725_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SUJ8554397642(NAD 83)

JV6725_MARKER: DD = SURVEY DISK

JV6725_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

JV6725_SP_SET: CONCRETE POST

JV6725_STAMPING: 122 CARDIFF 1989

JV6725_MARK LOGO: MD-025

JV6725_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

JV6725_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

JV6725+STABILITY: SURFACE MOTION

JV6725_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

JV6725+SATELLITE: SATELLITE OBSERVATIONS - February 24, 2007

JV6725

JV6725	HISTORY	- Date	Condition	Report By
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JV6725	HISTORY	- 1989	MONUMENTED	RDA
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JV6725	HISTORY	- 20070224	GOOD	INDIV
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JV6725

JV6725 STATION DESCRIPTION

JV6725

JV6725'DESCRIBED BY RINKER DETWILER AND ASSOCIATES 1989

JV6725'THE STATION IS LOCATED IN NORTH CENTRAL HARFORD COUNTY, MARYLAND IN

JV6725'THE TOWN OF CARDIFF.

JV6725'TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAY 136 AND

JV6725'STATE HIGHWAY 165 IN WHITEFORD PROCEED SOUTHEAST ALONG HIGHWAY 136

JV6725'0.25 MILES TO ITS INTERSECTION WITH OLD PYLESVILLE ROAD. TURN LEFT

JV6725'AND PROCEED NORTHEAST ALONG OLD PYLESVILLE ROAD WHICH TURNS INTO

JV6725'CARDIFF MAIN STREET 0.95 MILES TO ITS INTERSECTION WITH CARDIFF MAIN

JV6725'STREET AND CHURCH STREET AND THE STATION ON THE RIGHT.

JV6725'THE STATION IS A STANDARD HARFORD COUNTY STATION DISK SET IN CONCRETE

JV6725'ABOUT 1 INCH BELOW GROUND STAMPED 122 CARDIFF 1989. THE STATION IS

JV6725'53.0 FEET SOUTHWEST OF THE CENTERLINE OF CHURCH STREET, 28.8 FEET

JV6725'SOUTH OF C AND P POLE NUMBER 468, AND 24.4 FEET SOUTHEAST OF THE

JV6725'CENTERLINE OF CARDIFF MAIN STREET.

JV6725

JV6725 STATION RECOVERY (2007)

JV6725

JV6725'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2007 (TRA)

JV6725'RECOVERED AS DESCRIBED

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

LATITUDE	039 43 15.51423	NORTH(sf)	748874.749
LONGITUDE	076 20 07.57688	EAST(sf)	1499283.929
GRID AZ.	306 10 13.4	ELEV. GPS OBS.	436.09 ft

1 National Geodetic Survey, Retrieval Date = July 24, 2007
 JV6726 *****

JV6726 DESIGNATION - CARDIFF AZ MK P1221

JV6726 PID - JV6726
 JV6726 STATE/COUNTY- MD/HARFORD
 JV6726 USGS QUAD - DELTA (1990)

JV6726 *CURRENT SURVEY CONTROL

JV6726* NAD 83(1991)- 39 43 29.97171(N) 076 20 32.78480(W) ADJUSTED
 JV6726* NAVD 88 - 168.8 (meters) 554. (feet) VERTCON

JV6726 X - 1,159,904.258 (meters) COMP
 JV6726 Y - -4,773,482.178 (meters) COMP
 JV6726 Z - 4,054,634.590 (meters) COMP
 JV6726 LAPLACE CORR- -2.59 (seconds) DEFLEC99
 JV6726 ELLIP HEIGHT- 136.043 (meters) (09/18/02) GPS OBS
 JV6726 GEOID HEIGHT- -32.77 (meters) GEOID03

JV6726 HORZ ORDER - FIRST
 JV6726 ELLP ORDER - FOURTH CLASS II

JV6726.The horizontal coordinates were established by GPS observations
 JV6726.and adjusted by the National Geodetic Survey in January 1992.

JV6726.The NAVD 88 height was computed by applying the VERTCON shift value to
 JV6726.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JV6726.The X, Y, and Z were computed from the position and the ellipsoidal ht.

JV6726.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6726.The ellipsoidal height was determined by GPS observations
 JV6726.and is referenced to NAD 83.

JV6726.The geoid height was determined by GEOID03.

	North	East	Units	Scale Factor	Converg.
JV6726; SPC MD	- 228,699.037	456,379.052	MT	1.00005969	+0 24 45.7
JV6726; SPC MD	- 750,323.42	1,497,303.61	sFT	1.00005969	+0 24 45.7
JV6726; UTM 18	- 4,398,096.244	384,949.387	MT	0.99976296	-0 51 29.0

JV6726!
 JV6726! SPC MD - Elev Factor x Scale Factor = Combined Factor
 - 0.99997866 x 1.00005969 = 1.00003835
 JV6726! UTM 18 - 0.99997866 x 0.99976296 = 0.99974162

	Primary Azimuth Mark	Grid Az
JV6726: SPC MD	- CARDIFF	126 10 13.0
JV6726: UTM 18	- CARDIFF	127 26 27.7

PID	Reference Object	Distance	Geod. Az
			ddmmss.s
JV6726	JV6725 CARDIFF	APPROX. 0.7 KM	1263458.7

JV6726

JV6726 SUPERSEDED SURVEY CONTROL
 JV6726
 JV6726 ELLIP H (01/27/92) 136.045 (m) GP() 4 1
 JV6726 NAD 83(1986)- 39 43 29.96452(N) 076 20 32.79086(W) AD() 1
 JV6726 NGVD 29 (06/18/91) 169.1 (m) 555. (f) GPS OBS
 JV6726

JV6726.Superseded values are not recommended for survey control.
 JV6726.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 JV6726.[See file dsdata.txt](#) to determine how the superseded data were derived.

JV6726
 JV6726_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SUJ8494998096(NAD 83)
 JV6726_MARKER: DZ = AZIMUTH MARK DISK
 JV6726_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 JV6726_SP_SET: CONCRETE POST
 JV6726_STAMPING: 122 CARDIFF 1989
 JV6726_MARK LOGO: MD-025
 JV6726_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
 JV6726_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 JV6726+STABILITY: SURFACE MOTION
 JV6726_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 JV6726+SATELLITE: SATELLITE OBSERVATIONS - January 04, 1990

JV6726
 JV6726 HISTORY - Date Condition Report By
 JV6726 HISTORY - 1989 MONUMENTED RDA
 JV6726 HISTORY - 19900104 GOOD

JV6726
 JV6726 STATION DESCRIPTION
 JV6726
 JV6726'DESCRIBED BY RINKER DETWILER AND ASSOCIATES 1989
 JV6726'TO REACH THE AZIMUTH MARK FROM THE STATION PROCEED NORTH ALONG CARDIFF
 JV6726'MAIN STREET .05 MILES TO ITS INTERSECTION WITH PENNSYLVANIA STATE
 JV6726'HIGHWAY 2028. TURN LEFT AND PROCEED WEST ALONG PENNSYLVANIA STATE
 JV6726'HIGHWAY 2028 .5 MILES TO SLATE RIDGE CEMETARY AND THE MARK ON THE
 JV6726'RIGHT.
 JV6726'THE MARK IS A STANDARD HARFORD COUNTY AZIMUTH DISK SET IN CONCRETE
 JV6726'ABOUT 1 INCH BELOW GROUND STAMPED 122 CARDIFF 1989. THE MARK IS 10.0
 JV6726'FEET NORTHWEST OF THE NORTHWEST GATE POST OF THE CEMETARY ACCESS ROAD,
 JV6726'15.4 FEET NORTHEAST OF THE CENTERLINE OF PENNSYLVANIA STATE HIGHWAY
 JV6726'2028, 133.0 FEET SOUTHEAST OF THE CENTERLINE OF GRIFFITH ROAD AND
 JV6726'2453.44 FEET FROM THE STATION.

JV6726
 JV6726 STATION RECOVERY (1990)
 JV6726
 JV6726'RECOVERED 1990
 JV6726'RECOVERED IN GOOD CONDITION.

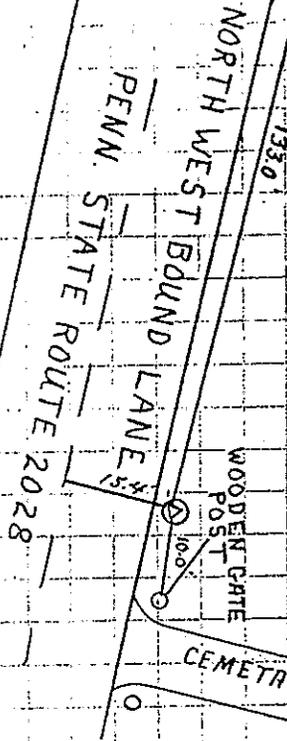
**RINKER-DETWILER INFORMATION FROM HARFORD COUNTY SURVEY CONTROL BOOK
 NAD 83/86 COORDINATES - NGVD29 ELEVATIONS**

LATITUDE 039 43 29.96562 NORTH(sf) 750322.805
 LONGITUDE 076 20 32.78927 EAST(sf) 1497303.263
 GRID AZ. 126 10 13.4 ELEV. GPS OBS. 554.41 ft

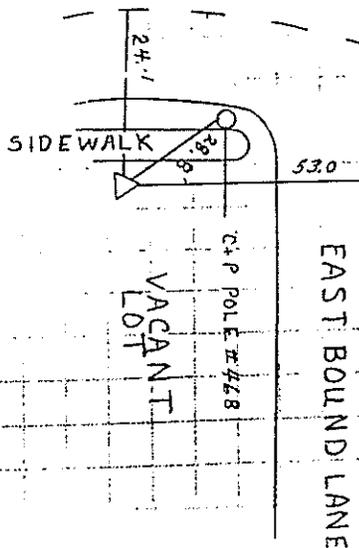
GRIFFITH ROAD

SLATE RIDGE CEMETARY

122 CARDIFF 1989



MAIN STREET
CARDIFF MARYLAND



RINKER-DETWILER & ASSOCIATES, P.C.

Engineering • Surveying • Land Planning
Global Positioning System • Mapping

