

1 National Geodetic Survey, Retrieval Date = August 1, 2007
 JV4821 *****

JV4821 DESIGNATION - MILL
 JV4821 PID - JV4821
 JV4821 STATE/COUNTY- MD/HARFORD
 JV4821 USGS QUAD - DELTA (1990)

P9100

JV4821 *CURRENT SURVEY CONTROL

JV4821* NAD 83(1991)- 39 38 39.19660(N) 076 19 14.70065(W) ADJUSTED
 JV4821* NAVD 88 - 147.34 (+/-2cm) 483.4 (feet) VERTCON
 JV4821 LAPLACE CORR- -2.11 (seconds) DEFLEC99
 JV4821 GEOID HEIGHT- -32.72 (meters) GEOID03

JV4821 HORZ ORDER - THIRD
 JV4821 VERT ORDER - THIRD ? (See Below)

JV4821.The horizontal coordinates were established by classical geodetic methods

JV4821.and adjusted by the National Geodetic Survey in January 1992.

JV4821.The NAVD 88 height was computed by applying the VERTCON shift value to the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JV4821.The vertical order pertains to the NGVD 29 superseded value.

JV4821.The Laplace correction was computed from DEFLEC99 derived deflections.

JV4821.The geoid height was determined by GEOID03.

	North	East	Units	Scale	Factor	Converg.
JV4821;SPC MD	- 219,744.583	458,305.449	MT	1.00003975	+0 25 34.8	
JV4821;SPC MD	- 720,945.35	1,503,623.79	sFT	1.00003975	+0 25 34.8	
JV4821;SPC PA S	- 35,512.523	722,681.939	MT	1.00005778	+0 55 38.2	
JV4821;SPC PA S	- 116,510.67	2,370,998.99	sFT	1.00005778	+0 55 38.2	
JV4821;UTM 18	- 4,389,103.896	386,676.360	MT	0.99975811	-0 50 33.9	

JV4821!
 - Elev Factor x Scale Factor = Combined Factor
 JV4821!SPC MD - 0.99998202 x 1.00003975 = 1.00002177
 JV4821!SPC PA S - 0.99998202 x 1.00005778 = 1.00003980
 JV4821!UTM 18 - 0.99998202 x 0.99975811 = 0.99974013

	Primary Azimuth Mark	Grid Az
JV4821:SPC MD	- MILL AZ MK	020 45 56.2
JV4821:SPC PA S	- MILL AZ MK	020 15 52.8
JV4821:UTM 18	- MILL AZ MK	022 02 04.9

PID	Reference Object	Distance	Geod. Az
CA9685	MILL AZ MK		0211131.0
JV6906	MILL RM 1	53.922 METERS	03032
CA9686	MILL RM 2	31.818 METERS	26712

JV4821
 JV4821 SUPERSEDED SURVEY CONTROL

JV4821
JV4821 NAD 83(1986)- 39 38 39.18988(N) 076 19 14.70579(W) AD() 3
JV4821 NAD 27 - 39 38 38.81000(N) 076 19 15.85700(W) AD() 3
JV4821 NGVD 29 (07/19/86) 147.58 (m) 484.2 (f) LEVELING 3
JV4821
JV4821.Superseded values are not recommended for survey control.
JV4821.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
JV4821.[See file dsdata.txt](#) to determine how the superseded data were derived.
JV4821
JV4821_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SUJ8667689104(NAD 83)
JV4821_MARKER: DS = TRIANGULATION STATION DISK
JV4821_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
JV4821_STAMPING: MILL 1947
JV4821_MARK LOGO: CGS
JV4821_MAGNETIC: N = NO MAGNETIC MATERIAL
JV4821_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY
JV4821_SATELLITE: THE SITE LOCATION WAS REPORTED AS NOT SUITABLE FOR
JV4821+SATELLITE: SATELLITE OBSERVATIONS - April 21, 2001
JV4821
JV4821 HISTORY - Date Condition Report By
JV4821 HISTORY - 1947 MONUMENTED CGS
JV4821 HISTORY - 1947 GOOD CGS
JV4821 HISTORY - 19891001 GOOD RDA
JV4821 HISTORY - 20010421 GOOD USPSQD
JV4821
JV4821 STATION DESCRIPTION
JV4821
JV4821'DESCRIBED BY COAST AND GEODETIC SURVEY 1947 (CRR)
JV4821'THIS STATION IS LOCATED 01.5 MILE NORTHWEST OF SCARBORO AT THE TOP
JV4821'OF A GRADE ALONG STATE ROUTE 444. THE STATION IS 41 FEET SOUTH
JV4821'OF THE CENTERLINE OF THE HIGHWAY AND ON A SMALL STRIP OF LAND
JV4821'BETWEEN THE HIGHWAY AND AN OLD ROAD. THE STATION IS 34 FEET NORTH
JV4821'OF AN 18 INCH MAPLE TREE AND 12 FEET NORTH OF THE OLD ROAD WHICH
JV4821'RUNS PARALLEL TO THE HIGHWAY AT THIS POINT. THE MARK IS FLUSH
JV4821'WITH THE GROUND AND THE DISK IS STAMPED MILL 1947.
JV4821'
JV4821'REFERENCE MARK NO. 1 IS 176.94 FEET SOUTHEAST OF THE STATION, 21
JV4821'FEET NORTH OF THE CENTERLINE OF STATE ROUTE 444 AND 4 FEET WEST OF
JV4821'A FENCE CORNER. THE MARK PROJECTS 8 INCHES AND IS STAMPED MILL
JV4821'NO. 1 1947.
JV4821'
JV4821'REFERENCE MARK NO. 2 IS 104.39 FEET NORTHWEST OF THE STATION, 21
JV4821'FEET NORTH OF THE CENTERLINE OF STATE ROUTE 444 AND IS AT THE
JV4821'FENCELINE. THE MARK PROJECTS 8 INCHES AND IS STAMPED MILL NO. 2
JV4821'1947.
JV4821'
JV4821'THE AZIMUTH MARK IS ABOUT 0.3 MILE EAST OF THE STATION. IT IS
JV4821'0.2 MILE NORTH OF STATE ROUTE 444 AND IS ALONG A GRAVEL ROAD. IT
JV4821'IS 3 FEET EAST OF A SHARP BANK ON THE EAST SIDE OF THE ROAD AND
JV4821'IS AT THE EDGE OF THE WOODS. THE MARK PROJECTS ABOUT 8 INCHES
JV4821'AND THE DISK IS STAMPED MILL 1947.
JV4821'
JV4821'TO REACH STATION MILL 1947, GO WEST ON HIGHWAY NO. 444 FROM THE
JV4821'JUNCTION WITH ROUTE 136 01.7 MILES TO SCARBORO. KEEP STRAIGHT
JV4821'AHED ON THE RIGHT FORK AND GO NORTHWEST FOR 1.5 MILE TO THE
JV4821'TOP OF A GRADE AND THE WIDE OPEN AREA ON THE LEFT, AND THE STATION
JV4821'AS DESCRIBED.

JV4821'
 JV4821'TO REACH THE AZIMUTH MARK GO 01.3 MILE AFTER TAKING THE RIGHT
 JV4821'FORK AT SCARBORO. TURN RIGHT ON A GRAVEL ROAD JUST NORTH OF A
 JV4821'SMALL SCHOOL ON ROUTE 444. GO 00.2 MILE ALONG THIS ROAD TO
 JV4821'AZIMUTH ON THE RIGHT AS DESCRIBED.
 JV4821
 JV4821 STATION RECOVERY (1947)
 JV4821
 JV4821'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1947
 JV4821'RECOVERED IN GOOD CONDITION.
 JV4821
 JV4821 STATION RECOVERY (1989)
 JV4821
 JV4821'RECOVERY NOTE BY RINKER DETWILER AND ASSOCIATES 1989
 JV4821'THE STATION IS LOCATED IN NORTHEASTERN HARFORD COUNTY, MARYLAND ABOUT
 JV4821'6 MILES NORTH OF BEL AIR.
 JV4821'THE STATION, RM 1, AND RM 2 WERE RECOVERED IN GOOD CONDITION. THE
 JV4821'AZIMUTH MARK WAS NOT RECOVERED AND A NEW ONE ESTABLISHED AT THIS TIME.
 JV4821'RM 1 WAS OCCUPIED AS AN ECCENTRIC FOR GPS. THE PREVIOUS DESCRIPTION
 JV4821'IS ADEQUATE. ADDITIONAL INFORMATION AS FOLLOWS.
 JV4821'TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAY 136 AND
 JV4821'STATE HIGHWAY 440 PROCEED WEST ALONG HIGHWAY 440 3.2 MILES TO THE
 JV4821'STATION ON THE LEFT.
 JV4821'THE STATION IS A U.S. COAST AND GEODETIC SURVEY DISK SET IN CONCRETE
 JV4821'ABOUT 4 INCHES ABOVE GROUND STAMPED MILL 1947. THE STATION IS 176.93
 JV4821'FEET SOUTH OF REFERNCE MARK NUMBER 1, 104.39 FEET EAST OF REFERENCE
 JV4821'MARK NUMBER 2, AND 40.9 FEET SOUTHEAST OF THE CENTERLINE OF HIGHWAY
 JV4821'440.
 JV4821
 JV4821 STATION RECOVERY (2001)
 JV4821
 JV4821'RECOVERY NOTE BY US POWER SQUADRON 2001 (RG)
 JV4821'RECOVERED IN GOOD CONDITION.

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

LATITUDE	039 38 39.18988	NORTH(sf)	720944.670
LONGITUDE	076 19 14.70579	EAST(sf)	1503623.396
GRID AZ.	039 50 27.1	ELEV.	NONE

1 National Geodetic Survey, Retrieval Date = August 1, 2007
JV6810 *****

JV6810 DESIGNATION - MILL AZ MK
JV6810 PID - JV6810
JV6810 STATE/COUNTY- MD/HARFORD
JV6810 USGS QUAD - DELTA (1990)

P9101

JV6810 *CURRENT SURVEY CONTROL

JV6810 * NAD 83(1991)- 39 38 47.50774(N) 076 19 05.59380(W) ADJUSTED
JV6810 * NAVD 88 - 135. (meters) 443. (feet) VERTCON
JV6810 LAPLACE CORR- -2.11 (seconds) DEFLEC99
JV6810 GEOID HEIGHT- -32.72 (meters) GEOID03

JV6810 HORZ ORDER - THIRD
JV6810

JV6810.The horizontal coordinates were established by classical geodetic methods

JV6810.and adjusted by the National Geodetic Survey in January 1992.

JV6810.No horizontal observational check was made to the station.

JV6810

JV6810.The NAVD 88 height was computed by applying the VERTCON shift value to JV6810.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JV6810

JV6810.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6810

JV6810.The geoid height was determined by GEOID03.

JV6810

JV6810;		North	East	Units	Scale	Factor	Converg.
JV6810;SPC MD	-	220,002.529	458,520.673	MT	1.00004029	+0 25	40.5
JV6810;SPC MD	-	721,791.63	1,504,329.91	sFT	1.00004029	+0 25	40.5
JV6810;UTM 18	-	4,389,356.941	386,897.182	MT	0.99975749	-0 50	28.2

JV6810

JV6810! - Elev Factor x Scale Factor = Combined Factor

JV6810!SPC MD - 0.99998390 x 1.00004029 = 1.00002419

JV6810!UTM 18 - 0.99998390 x 0.99975749 = 0.99974140

JV6810

JV6810 SUPERSEDED SURVEY CONTROL

JV6810

JV6810 NAD 83(1986)- 39 38 47.50096(N) 076 19 05.59885(W) AD() 4

JV6810 NGVD 29 (06/18/91) 136. (m) 446. (f) VERT ANG

JV6810

JV6810.Superseded values are not recommended for survey control.

JV6810.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

JV6810.[See file dsdata.txt](#) to determine how the superseded data were derived.

JV6810

JV6810_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SUJ8689789357(NAD 83)

JV6810_MARKER: DZ = AZIMUTH MARK DISK

JV6810_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

JV6810_SP_SET: CONCRETE POST

JV6810_STAMPING: MILL 2 1947

JV6810_MARK LOGO: MD-025

JV6810_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

JV6810_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

JV6810+STABILITY: SURFACE MOTION

JV6810_SATELLITE: THE SITE LOCATION WAS REPORTED AS NOT SUITABLE FOR
JV6810+SATELLITE: SATELLITE OBSERVATIONS - April 21, 2001

JV6810

JV6810	HISTORY	- Date	Condition	Report By
JV6810	HISTORY	- 1989	MONUMENTED	RDA
JV6810	HISTORY	- 20010421	GOOD	USPSQD

JV6810

JV6810 STATION DESCRIPTION

JV6810

JV6810'DESCRIBED BY RINKER DETWILER AND ASSOCIATES 1989

JV6810'TO REACH THE AZIMUTH MARK FROM THE STATION PROCEED EAST ALONG HIGHWAY
JV6810'440 0.2 MILES TO ITS INTERSECTION WITH WILSON ROAD. TURN LEFT AND
JV6810'PROCEED NORTH ALONG WILSON ROAD APPROXIMATELY 150 FEET TO THE AZIMUTH
JV6810'MARK ON THE RIGHT.

JV6810'THE MARK IS A STANDARD HARFORD COUNTY AZIMUTH DISK SET IN CONCRETE
JV6810'ABOUT 1 INCH BELOW GROUND STAMPED MILL 2 1989. THE MARK IS 50.0 FEET
JV6810'SOUTHWEST OF THE NORTHWEST CORNER OF HERALD OF HOPE BAPTIST CHURCH,
JV6810'18.5 FEET NORTHEAST OF THE CENTERLINE OF WILSON ROAD, 42.5 FEET
JV6810'NORTHWEST OF A 12 INCH OAK TREE AND 1102.84 FEET FROM THE STATION.

JV6810

JV6810 STATION RECOVERY (2001)

JV6810

JV6810'RECOVERY NOTE BY US POWER SQUADRON 2001 (DG)

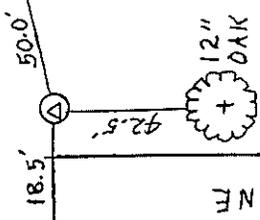
JV6810'RECOVERED IN GOOD CONDITION.

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

LATITUDE	039 38 47.50639	NORTH(sf)	721791.496
LONGITUDE	076 19 05.59304	EAST(sf)	1504329.968
GRID AZ.	219 50 27.1	ELEV.	NONE

910 MILL 1947

HERALD OF HOPE
BAPTIST CHURCH



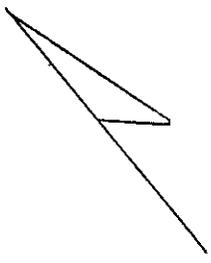
DAMAGED

NORTH BOUND LANE

WILSON ROAD

ROUTE 440
NORTH EAST BOUND LANE

*Aglymuth
MILL 2 1989
CONCRETE CRACKED
PUSHED OVER*



ONE STORY BRICK
HOUSE
2716

MILL #1 1947
RM #1

PRIVATE DRIVE

PRIVATE DRIVE
Box 2714

MAILBOXES
MILL #2
RM #2
1947

ROUTE 440

EAST BOUND LANE

DIRT PULL OFF

10+39'

48.9'

17+93'

RINKER-DETWILER & ASSOCIATES, P.C.

Engineering • Surveying • Land Planning
Global Positioning System • Mapping

