

1 National Geodetic Survey, Retrieval Date = August 1, 2007
 JV6831 *****

P0830

JV6831 DESIGNATION - PYLE
 JV6831 PID - JV6831
 JV6831 STATE/COUNTY- MD/HARFORD
 JV6831 USGS QUAD - JARRETTSVILLE (1974)
 JV6831
 JV6831 *CURRENT SURVEY CONTROL
 JV6831
 JV6831* NAD 83(1991)- 39 36 48.94035(N) 076 22 38.18797(W) ADJUSTED
 JV6831* NAVD 88 - 128.1 (meters) 420. (feet) VERTCON
 JV6831
 JV6831 X - 1,158,854.156 (meters) COMP
 JV6831 Y - -4,781,829.521 (meters) COMP
 JV6831 Z - 4,045,088.137 (meters) COMP
 JV6831 LAPLACE CORR- -2.36 (seconds) DEFLEC99
 JV6831 ELLIP HEIGHT- 95.476 (meters) (09/18/02) GPS OBS
 JV6831 GEOID HEIGHT- -32.65 (meters) GEOID03
 JV6831
 JV6831 HORZ ORDER - FIRST
 JV6831 ELLP ORDER - FOURTH CLASS II
 JV6831

JV6831.The horizontal coordinates were established by GPS observations
 JV6831.and adjusted by the National Geodetic Survey in January 1992.

JV6831
 JV6831.The NAVD 88 height was computed by applying the VERTCON shift value to
 JV6831.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JV6831
 JV6831.The X, Y, and Z were computed from the position and the ellipsoidal ht.

JV6831
 JV6831.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6831
 JV6831.The ellipsoidal height was determined by GPS observations

JV6831.and is referenced to NAD 83.
 JV6831

JV6831
 JV6831.The geoid height was determined by GEOID03.
 JV6831

JV6831;		North	East	Units	Scale Factor	Converg.
JV6831;SPC MD	-	216,309.529	453,476.795	MT	1.00003272	+0 23 27.0
JV6831;SPC MD	-	709,675.51	1,487,781.78	sFT	1.00003272	+0 23 27.0
JV6831;UTM 18	-	4,385,777.532	381,774.140	MT	0.99977208	-0 52 41.7
JV6831!	-	Elev Factor	x Scale Factor	=	Combined Factor	
JV6831!SPC MD	-	0.99998502	x 1.00003272	=	1.00001774	
JV6831!UTM 18	-	0.99998502	x 0.99977208	=	0.99975710	

JV6831
 JV6831 SUPERSEDED SURVEY CONTROL
 JV6831

JV6831	ELLIP H (01/27/92)	95.474 (m)		GP()	4 1
JV6831	NAD 83(1986)- 39 36 48.93332(N)		076 22 38.19448(W)	AD()	1
JV6831	NGVD 29 (06/18/91)	128.4 (m)	421. (f)	GPS OBS	

JV6831
 JV6831.Superseded values are not recommended for survey control.
 JV6831.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 JV6831.[See file dsdata.txt](#) to determine how the superseded data were derived.
 JV6831

JV6831_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SUJ8177485778(NAD 83)
 JV6831_MARKER: DD = SURVEY DISK
 JV6831_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 JV6831_SP_SET: CONCRETE POST
 JV6831_STAMPING: 83 PYLE 1989
 JV6831_MARK LOGO: MD-025
 JV6831_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
 JV6831_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 JV6831+STABILITY: SURFACE MOTION
 JV6831_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 JV6831+SATELLITE: SATELLITE OBSERVATIONS - 1989

JV6831
 JV6831 HISTORY - Date Condition Report By
 JV6831 HISTORY - 1989 MONUMENTED RDA

JV6831
 JV6831 STATION DESCRIPTION
 JV6831

JV6831'DESCRIBED BY RINKER DETWILER AND ASSOCIATES 1989
 JV6831'THE STATION IS LOCATED IN NORTH CENTRAL HARFORD COUNTY, MARYLAND ABOUT
 JV6831'5 MILES NORTH OF THE VILLAGE OF BEL AIR.
 JV6831'TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAY 24 AND
 JV6831'STATE HIGHWAY 23 ABOUT 1 MILE SOUTH OF THE VILLAGE OF FOREST HILL AND
 JV6831'PROCEED NORTH ALONG 24 1.45 MILES TO ITS INTERSECTION WITH GRIER
 JV6831'NURSERY ROAD. TURN RIGHT AND PROCEED NORTHEAST ALONG GRIER NURSERY
 JV6831'ROAD 1.3 MILES TO ITS INTERSECTION WITH PYLE ROAD. TURN RIGHT AND
 JV6831'PROCEED EAST ALONG PYLE ROAD 150 FEET TO THE STATION ON THE RIGHT.
 JV6831'THE STATION IS A STANDARD HARFORD COUNTY STATION DISK SET IN CONCRETE
 JV6831'ABOUT 1 INCH BELOW GROUND STAMPED 83 PYLE 1989. THE STATION IS 154.0
 JV6831'FEET EAST SOUTHEAST OF THE CENTERLINE OF GRIER NURSERY ROAD, 8.0 FEET
 JV6831'WEST OF G AND E POWER POLE NUMBER 250194, AND 16.0 FEET SOUTH OF THE
 JV6831'CENTERLINE OF PYLE ROAD.

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

LATITUDE	039 36 48.93370	NORTH(sf)	709674.838
LONGITUDE	076 22 38.19429	EAST(sf)	1487781.294
GRID AZ.	055 30 56.7	ELEV. GPS OBS.	421.17 ft.

1 National Geodetic Survey, Retrieval Date = August 1, 2007
JV6832 *****

JV6832 DESIGNATION - PYLE AZ MK P0831

JV6832 PID - JV6832
JV6832 STATE/COUNTY- MD/HARFORD
JV6832 USGS QUAD - DELTA (1990)

JV6832 *CURRENT SURVEY CONTROL

JV6832* NAD 83(1991)- 39 37 34.43948(N) 076 21 11.24726(W) ADJUSTED
JV6832* NAVD 88 - 122.2 (meters) 401. (feet) VERTCON

JV6832 X - 1,160,657.387 (meters) COMP
JV6832 Y - -4,780,466.600 (meters) COMP
JV6832 Z - 4,046,165.256 (meters) COMP
JV6832 LAPLACE CORR- -2.27 (seconds) DEFLEC99
JV6832 ELLIP HEIGHT- 89.521 (meters) (09/18/02) GPS OBS
JV6832 GEOID HEIGHT- -32.68 (meters) GEOID03

JV6832 HORZ ORDER - FIRST
JV6832 ELLP ORDER - FOURTH CLASS II

JV6832.The horizontal coordinates were established by GPS observations
JV6832.and adjusted by the National Geodetic Survey in January 1992.

JV6832.The NAVD 88 height was computed by applying the VERTCON shift value to
JV6832.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JV6832.The X, Y, and Z were computed from the position and the ellipsoidal ht.

JV6832.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6832.The ellipsoidal height was determined by GPS observations

JV6832.and is referenced to NAD 83.

JV6832.The geoid height was determined by GEOID03.

	North	East	Units	Scale Factor	Converg.
JV6832; SPC MD	- 217,727.199	455,540.724	MT	1.00003558	+0 24 21.6
JV6832; SPC MD	- 714,326.65	1,494,553.19	sFT	1.00003558	+0 24 21.6
JV6832; UTM 18	- 4,387,148.778	383,868.407	MT	0.99976604	-0 51 47.1

JV6832!
JV6832! SPC MD - Elev Factor x Scale Factor = Combined Factor
JV6832! UTM 18 - 0.99998596 x 1.00003558 = 1.00002154
JV6832! UTM 18 - 0.99998596 x 0.99976604 = 0.99975200

JV6832 SUPERSEDED SURVEY CONTROL

JV6832 ELLIP H (01/27/92) 89.519 (m) GP() 4 1
JV6832 NAD 83(1986)- 39 37 34.43245(N) 076 21 11.25376(W) AD() 1
JV6832 NGVD 29 (06/18/91) 122.5 (m) 402. (f) GPS OBS

JV6832.Superseded values are not recommended for survey control.

JV6832.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

JV6832.[See file dsdata.txt](#) to determine how the superseded data were derived.

JV6832

JV6832_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SUJ8386887149(NAD 83)
 JV6832_MARKER: DZ = AZIMUTH MARK DISK
 JV6832_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 JV6832_SP_SET: CONCRETE POST
 JV6832_STAMPING: 83 PYLE 1989
 JV6832_MARK LOGO: MD-025
 JV6832_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
 JV6832_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 JV6832+STABILITY: SURFACE MOTION
 JV6832_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 JV6832+SATELLITE: SATELLITE OBSERVATIONS - January 03, 1990

JV6832
 JV6832 HISTORY - Date Condition Report By
 JV6832 HISTORY - 1989 MONUMENTED RDA
 JV6832 HISTORY - 19900103 GOOD

JV6832 STATION DESCRIPTION

JV6832 'DESCRIBED BY RINKER DETWILER AND ASSOCIATES 1989
 JV6832 'TO REACH THE AZIMUTH MARK FROM THE STATION PROCEED WEST ALONG PYLE
 JV6832 'ROAD 150 FEET TO ITS INTERSECTION WITH GRIER NURSERY ROAD. TURN RIGHT
 JV6832 'AND PROCEED NORTHEAST ALONG GRIER NURSERY ROAD 0.15 MILES TO ITS
 JV6832 'INTERSECTION WITH WALTERS MILL ROAD. TURN RIGHT AND PROCEED NORTHEAST
 JV6832 'ALONG WALTERS MILL ROAD 1.45 MILES THE MARK ON THE RIGHT.
 JV6832 'THE MARK IS A STANDARD HARFORD COUNTY AZIMUTH DISK SET IN CONCRETE
 JV6832 'ABOUT 1 INCH BELOW GROUND STAMPED 83 PYLE 1989. THE MARK IS 16.5 FEET
 JV6832 'SOUTH OF THE CENTERLINE OF WALTERS MILL ROAD, 61.0 FEET WEST OF G AND
 JV6832 'E POWER POLE NUMBER 206388, AND 18.0 FEET NORTH OF THE NORTHWEST EDGE
 JV6832 'OF ELECTRIC POWER TRANSFORMER BOX 20-008-B AND 8214.74 FEET FROM THE
 JV6832 'STATION.

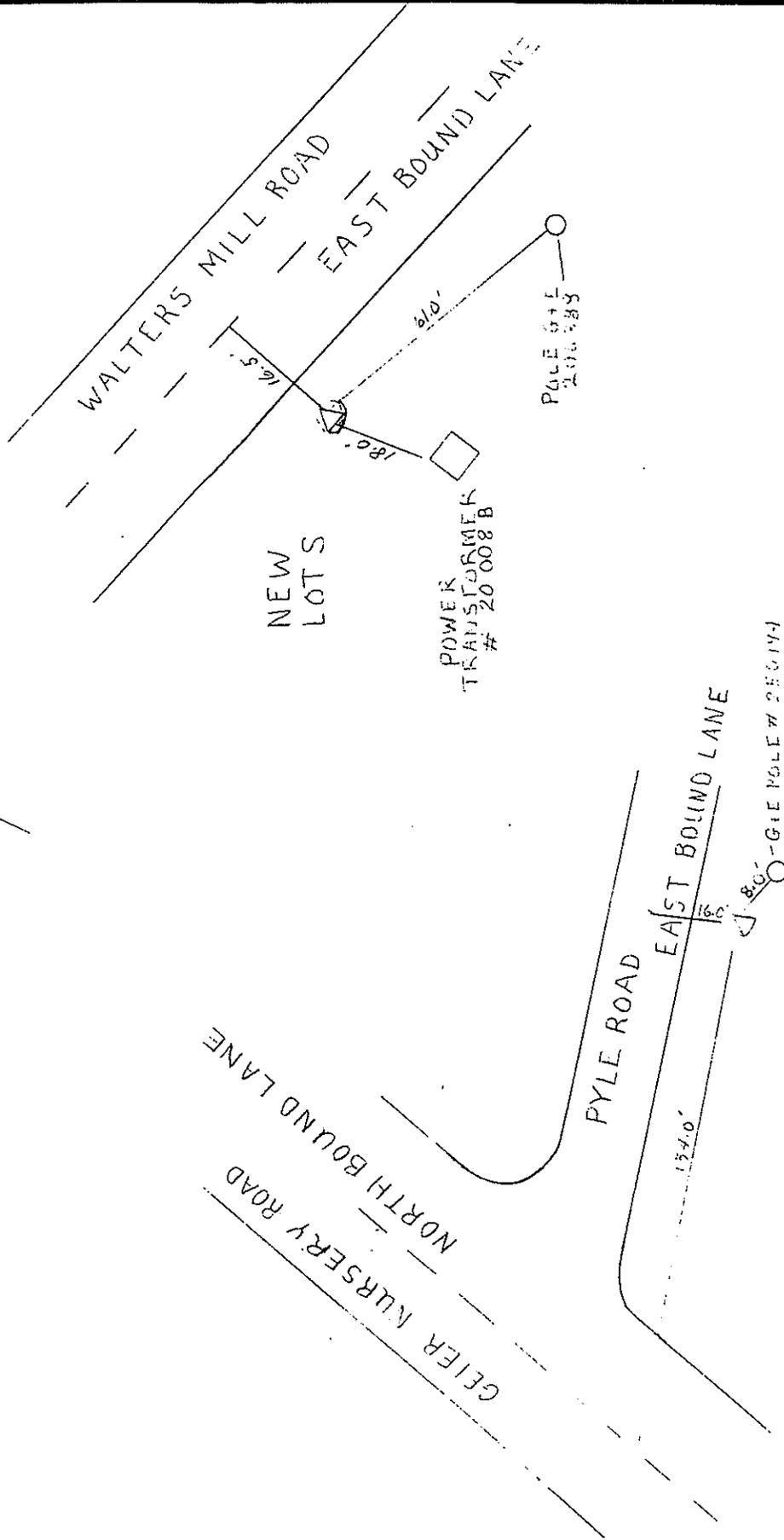
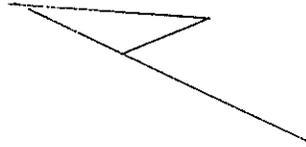
JV6832 STATION RECOVERY (1990)

JV6832 'RECOVERED 1990
 JV6832 'RECOVERED IN GOOD CONDITION.

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

LATITUDE	039 37 34.43259	NORTH(sf)	714325.951
LONGITUDE	076 21 11.25355	EAST(sf)	1494552.706
GRID AZ.	235 30 56.7	ELEV. GPS OBS.	401.81 ft.

83 PYLE 1989



RINKER-DETWILER & ASSOCIATES, P.C.

Engineering • Surveying • Land Planning
Global Positioning System • Mapping

