

1 National Geodetic Survey, Retrieval Date = July 24, 2007
 JV6727 *****

P1180

JV6727 DESIGNATION - CAREA
 JV6727 PID - JV6727
 JV6727 STATE/COUNTY- MD/HARFORD
 JV6727 USGS QUAD - NORRISVILLE (1984)
 JV6727
 JV6727 *CURRENT SURVEY CONTROL
 JV6727
 JV6727* NAD 83(1991)- 39 43 08.15908(N) 076 30 19.20485(W) ADJUSTED
 JV6727* NAVD 88 - 220.4 (meters) 723. (feet) VERTCON
 JV6727
 JV6727 X - 1,146,438.001 (meters) COMP
 JV6727 Y - -4,777,217.392 (meters) COMP
 JV6727 Z - 4,054,150.286 (meters) COMP
 JV6727 LAPLACE CORR- -2.86 (seconds) DEFLEC99
 JV6727 ELLIP HEIGHT- 187.908 (meters) (09/18/02) GPS OBS
 JV6727 GEOID HEIGHT- -32.50 (meters) GEOID03
 JV6727
 JV6727 HORZ ORDER - FIRST
 JV6727 ELLP ORDER - FOURTH CLASS II
 JV6727

JV6727.The horizontal coordinates were established by GPS observations
 JV6727.and adjusted by the National Geodetic Survey in January 1992.

JV6727.The NAVD 88 height was computed by applying the VERTCON shift value to
 JV6727.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JV6727.The X, Y, and Z were computed from the position and the ellipsoidal ht.

JV6727.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6727.The ellipsoidal height was determined by GPS observations
 JV6727.and is referenced to NAD 83.

JV6727.The geoid height was determined by GEOID03.

JV6727;		North	East	Units	Scale Factor	Converg.
JV6727;SPC MD	-	227,938.132	442,416.317	MT	1.00005812	+0 18 37.7
JV6727;SPC MD	-	747,827.02	1,451,494.20	sFT	1.00005812	+0 18 37.7
JV6727;SPC PA S	-	43,567.379	706,722.047	MT	1.00004044	+0 48 27.1
JV6727;SPC PA S	-	142,937.31	2,318,637.25	sFT	1.00004044	+0 48 27.1
JV6727;UTM 18	-	4,397,645.522	370,977.052	MT	0.99980495	-0 57 43.5

JV6727!		Elev Factor	x	Scale Factor	=	Combined Factor
JV6727!SPC MD	-	0.99997052	x	1.00005812	=	1.00002864
JV6727!SPC PA S	-	0.99997052	x	1.00004044	=	1.00001096
JV6727!UTM 18	-	0.99997052	x	0.99980495	=	0.99977548

JV6727	PID	Reference Object	Distance	Geod. Az
JV6727	JV6728	CAREA AZ MK	398.650 METERS	35855

SUPERSEDED SURVEY CONTROL

JV6727
 JV6727 ELLIP H (01/27/92) 187.899 (m) GP() 4 1
 JV6727 NAD 83(1986)- 39 43 08.15193(N) 076 30 19.21017(W) AD() 1
 JV6727 NGVD 29 (06/18/91) 220.6 (m) 724. (f) GPS OBS

JV6727
 JV6727.Superseded values are not recommended for survey control.
 JV6727.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 JV6727.[See file dsdata.txt](#) to determine how the superseded data were derived.

JV6727
 JV6727_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SUJ7097797646(NAD 83)
 JV6727_MARKER: DD = SURVEY DISK
 JV6727_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 JV6727_SP_SET: CONCRETE POST
 JV6727_STAMPING: 118 CAREA 1989
 JV6727_MARK LOGO: MD-025
 JV6727_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
 JV6727_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 JV6727+STABILITY: SURFACE MOTION
 JV6727_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 JV6727+SATELLITE: SATELLITE OBSERVATIONS - 1989

JV6727

JV6727	HISTORY	- Date	Condition	Report By
JV6727	HISTORY	- 1989	MONUMENTED	RDA

JV6727
 JV6727
 JV6727 STATION DESCRIPTION

JV6727'DESCRIBED BY RINKER DETWILER AND ASSOCIATES 1989
 JV6727'THE STATION IS LOCATED IN NORTHWESTERN HARFORD COUNTY, MARYLAND ABOUT
 JV6727'2.0 MILES NORTHEAST OF THE VILLAGE OF NORRISVILLE.
 JV6727'TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAY 136 AND
 JV6727'STATE HIGHWAY 23 IN THE VILLAGE OF NORRISVILLE PROCEED EAST ALONG
 JV6727'HIGHWAY 136 1.73 MILES TO ITS INTERSECTION WITH CAREA ROAD. TURN LEFT
 JV6727'AND PROCEED NORTH ALONG CAREA ROAD 1.09 MILES TO THE STATION ON THE
 JV6727'LEFT.
 JV6727'THE STATION IS A STANDARD HARFORD COUNTY STATION DISK SET IN CONCRETE
 JV6727'ABOUT 1 INCH BELOW GROUND STAMPED 118 CAREA 1989. THE STATION IS 17.0
 JV6727'WEST OF THE CENTERLINE OF CAREA ROAD, 83.0 FEET SOUTH OF C AND P OF
 JV6727'MARYLAND POLE NUMBER 22 1/2, AND 73.0 FEET NORTH OF THE CENTERLINE OF
 JV6727'PRIVATE DRIVE BOX 5224.

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

LATITUDE	039 43 08.15457	NORTH(sf)	747826.563
LONGITUDE	076 30 19.20881	EAST(sf)	1451493.892
GRID AZ.	358 36 37.2	ELEV. GPS OBS.	723.87 ft

1 National Geodetic Survey, Retrieval Date = July 24, 2007
 JV6728 *****

JV6728 DESIGNATION - CAREA AZ MK
 JV6728 PID - JV6728
 JV6728 STATE/COUNTY- MD/HARFORD
 JV6728 USGS QUAD - NORRISVILLE (1984)

P1181

JV6728 *CURRENT SURVEY CONTROL

JV6728* NAD 83(1991)- 39 43 21.08257(N) 076 30 19.52020(W) ADJUSTED
 JV6728* NAVD 88 - 233.7 (meters) 767. (feet) VERTCON

JV6728 X - 1,146,373.652 (meters) COMP
 JV6728 Y - -4,776,981.437 (meters) COMP
 JV6728 Z - 4,054,465.395 (meters) COMP
 JV6728 LAPLACE CORR- -2.80 (seconds) DEFLEC99
 JV6728 ELLIP HEIGHT- 201.249 (meters) (09/18/02) GPS OBS
 JV6728 GEOID HEIGHT- -32.51 (meters) GEOID03

JV6728 HORZ ORDER - FIRST
 JV6728 ELLP ORDER - FOURTH CLASS II

JV6728.The horizontal coordinates were established by GPS observations
 JV6728.and adjusted by the National Geodetic Survey in January 1992.

JV6728.The NAVD 88 height was computed by applying the VERTCON shift value to
 JV6728.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JV6728.The X, Y, and Z were computed from the position and the ellipsoidal ht.

JV6728.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6728.The ellipsoidal height was determined by GPS observations
 JV6728.and is referenced to NAD 83.

JV6728.The geoid height was determined by GEOID03.

JV6728;		North	East	Units	Scale Factor	Converg.
JV6728;SPC MD	-	228,336.688	442,406.646	MT	1.00005905	+0 18 37.5
JV6728;SPC MD	-	749,134.62	1,451,462.47	sFT	1.00005905	+0 18 37.5
JV6728;SPC PA S	-	43,965.829	706,708.919	MT	1.00003965	+0 48 26.9
JV6728;SPC PA S	-	144,244.56	2,318,594.18	sFT	1.00003965	+0 48 26.9
JV6728;UTM 18	-	4,398,044.093	370,976.236	MT	0.99980495	-0 57 43.9

JV6728!		Elev Factor	x	Scale Factor	=	Combined Factor
JV6728!SPC MD	-	0.99996843	x	1.00005905	=	1.00002748
JV6728!SPC PA S	-	0.99996843	x	1.00003965	=	1.00000808
JV6728!UTM 18	-	0.99996843	x	0.99980495	=	0.99977338

JV6728	PID	Reference Object	Distance	Geod. Az
JV6728				ddmmss.s
JV6728	JV6727	CAREA	398.650 METERS	17855

JV6728
 JV6728 SUPERSEDED SURVEY CONTROL

JV6728
 JV6728 ELLIP H (01/27/92) 201.240 (m) GP() 4 1
 JV6728 NAD 83(1986)- 39 43 21.07543(N) 076 30 19.52552(W) AD() 1
 JV6728 NGVD 29 (06/18/91) 234.0 (m) 768. (f) GPS OBS

JV6728
 JV6728.Superseded values are not recommended for survey control.
 JV6728.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 JV6728.[See file dsdata.txt](#) to determine how the superseded data were derived.

JV6728
 JV6728_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SUJ7097698044(NAD 83)
 JV6728_MARKER: DZ = AZIMUTH MARK DISK
 JV6728_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 JV6728_SP_SET: CONCRETE POST
 JV6728_STAMPING: 118 CAREA 1989
 JV6728_MARK LOGO: MD-025
 JV6728_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
 JV6728_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 JV6728+STABILITY: SURFACE MOTION
 JV6728_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 JV6728+SATELLITE: SATELLITE OBSERVATIONS - January 04, 1990

JV6728
 JV6728 HISTORY - Date Condition Report By
 JV6728 HISTORY - 1989 MONUMENTED RDA
 JV6728 HISTORY - 19900104 GOOD

JV6728
 JV6728 STATION DESCRIPTION
 JV6728

JV6728'DESCRIBED BY RINKER DETWILER AND ASSOCIATES 1989
 JV6728'TO REACH THE AZIMUTH MARK FROM THE STATION PROCEED NORTH ALONG CAREA
 JV6728'ROAD 0.25 MILES TO THE MARK ON THE RIGHT IN YORK COUNTY PENNSYLVANIA.
 JV6728'YORK COUNTY ROUTE NUMBER FOR THIS ROAD IS 2059.
 JV6728'THE MARK IS A STANDARD HARFORD COUNTY AZIMUTH DISK SET IN CONCRETE
 JV6728'ABOUT 1 INCH BELOW GROUND STAMPED 118 CAREA 1989. THE MARK IS 16.0
 JV6728'FEET EAST OF THE CENTERLINE OF STATE HIGHWAY 2059, 32.0 FEET EAST OF
 JV6728'THE CENTERLINE OF A WIND SOCK POLE, AND 492.0 FEET NORTH OF A MASON
 JV6728'DIXON BOUNDARY LINE AND 1307.95 FEET FROM THE STATION.

JV6728
 JV6728 STATION RECOVERY (1990)
 JV6728
 JV6728'RECOVERED 1990
 JV6728'RECOVERED IN GOOD CONDITION.

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

LATITUDE	039 43 21.07813	NORTH(sf)	749134.167
LONGITUDE	076 30 19.52407	EAST(sf)	1451462.171
GRID AZ.	178 36 37.2	ELEV. GPS OBS.	767.64 ft

118 CAREA 1989



PRIVATE DRIVE
BOX 5224

83.0' C.I.P. MD.
POLE 22 1/2

73.0'

CAREA ROAD

NORTH BOUND LANE

17.0'

WIND SOCK POLE

STATE ROUTE 2059

NORTH BOUND LANE

32.0'

16.0'

MASON DIXON

YORK COUNTY
PENN SYLVANIA

MONUMENT S.E. CORNER

OF INTERSECTION

COREA AND SALT LAKE ROAD

492.0'

RINKER-DETWILER & ASSOCIATES, P.C.

Engineering • Surveying • Land Planning
Global Positioning System • Mapping

