

1 National Geodetic Survey, Retrieval Date = August 1, 2007
 JV6835 *****

P0700

JV6835 DESIGNATION - RIGDON
 JV6835 PID - JV6835
 JV6835 STATE/COUNTY- MD/HARFORD
 JV6835 USGS QUAD - JARRETTSVILLE (1974)
 JV6835
 JV6835 *CURRENT SURVEY CONTROL
 JV6835
 JV6835* NAD 83(1991)- 39 35 50.30190(N) 076 26 25.69797(W) ADJUSTED
 JV6835* NAVD 88 - 172.0 (meters) 564. (feet) GPS OBS
 JV6835
 JV6835 X - 1,153,857.346 (meters) COMP
 JV6835 Y - -4,784,258.540 (meters) COMP
 JV6835 Z - 4,043,722.814 (meters) COMP
 JV6835 LAPLACE CORR- -2.86 (seconds) DEFLEC99
 JV6835 ELLIP HEIGHT- 139.453 (meters) (08/30/02) GPS OBS
 JV6835 GEOID HEIGHT- -32.56 (meters) GEOID03
 JV6835
 JV6835 HORZ ORDER - FIRST
 JV6835 ELLP ORDER - FOURTH CLASS II
 JV6835

JV6835.The horizontal coordinates were established by GPS observations
 JV6835.and adjusted by the National Geodetic Survey in January 1992.

JV6835.The orthometric height was determined by GPS observations and a
 JV6835.high-resolution geoid model.

JV6835.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 JV6835

JV6835.The Laplace correction was computed from DEFLEC99 derived deflections.
 JV6835

JV6835.The ellipsoidal height was determined by GPS observations
 JV6835.and is referenced to NAD 83.

JV6835.The geoid height was determined by GEOID03.
 JV6835

| JV6835; | North | East | Units | Scale Factor | Converg. |
|---------------|-----------------|----------------|-------|-----------------|------------|
| JV6835;SPC MD | - 214,465.905 | 448,060.866 | MT | 1.00002909 | +0 21 04.2 |
| JV6835;SPC MD | - 703,626.89 | 1,470,013.02 | sFT | 1.00002909 | +0 21 04.2 |
| JV6835;UTM 18 | - 4,384,054.762 | 376,320.069 | MT | 0.99978833 | -0 55 05.7 |
| JV6835! | - Elev Factor | x Scale Factor | = | Combined Factor | |
| JV6835!SPC MD | - 0.99997812 | x 1.00002909 | = | 1.00000721 | |
| JV6835!UTM 18 | - 0.99997812 | x 0.99978833 | = | 0.99976646 | |

| JV6835 | PID | Reference Object | Distance | Geod. Az |
|--------|--------|------------------|----------------|----------|
| JV6835 | | | | ddmmss.s |
| JV6835 | JV6836 | RIGDON AZ MK | 382.877 METERS | 15941 |

JV6835
 JV6835 SUPERSEDED SURVEY CONTROL
 JV6835
 JV6835 ELLIP H (01/27/92) 139.442 (m) GP() 4 1
 JV6835 NAD 83(1986)- 39 35 50.29505(N) 076 26 25.70479(W) AD() 1

JV6835 NGVD 29 (06/18/91) 172.3 (m) 565. (f) GPS OBS
 JV6835
 JV6835.Superseded values are not recommended for survey control.
 JV6835.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 JV6835.[See file dsdata.txt](#) to determine how the superseded data were derived.
 JV6835
 JV6835_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SUJ7632084055(NAD 83)
 JV6835_MARKER: DD = SURVEY DISK
 JV6835_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 JV6835_SP_SET: CONCRETE POST
 JV6835_STAMPING: 70 RIGDON 1989
 JV6835_MARK LOGO: MD-025
 JV6835_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
 JV6835_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 JV6835+STABILITY: SURFACE MOTION
 JV6835_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 JV6835+SATELLITE: SATELLITE OBSERVATIONS - December 09, 1993
 JV6835

| JV6835 | HISTORY | - Date | Condition | Report By |
|--------|---------|------------|------------|-----------|
| JV6835 | HISTORY | - 1989 | MONUMENTED | RDA |
| JV6835 | HISTORY | - 19931209 | GOOD | GEOMET |

 JV6835
 JV6835 STATION DESCRIPTION
 JV6835
 JV6835'DESCRIBED BY RINKER DETWILER AND ASSOCIATES 1989
 JV6835'THE STATION IS LOCATED IN CENTRAL HARFORD COUNTY, MARYLAND ABOUT 2
 JV6835'MILES EAST OF THE VILLAGE OF JARRETTSVILLE.
 JV6835'TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAY 23 AND
 JV6835'STATE HIGHWAY 24 PROCEED WEST ALONG HIGHWAY 23 1.85 MILES TO ITS
 JV6835'INTERSECTION WITH HIGH POINT ROAD. TURN RIGHT AND PROCEED NORTHWEST
 JV6835'ALONG HIGH POINT ROAD 0.46 MILES TO ITS JUNCTION WITH JARRETTSVILLE
 JV6835'ROAD. TURN LEFT AND PROCEED NORTHWEST ALONG JARRESTTVILLE ROAD 1.6
 JV6835'MILES TO ITS INTERSECTION WITH RIGDON ROAD AND THE STATION ON THE
 JV6835'LEFT.
 JV6835'THE STATION IS A STANDARD HARFORD COUNTY STATION DISK SET IN CONCRETE
 JV6835'ABOUT 1 INCH BELOW GROUND STAMPED 70 RIGDON 1989. THE STATION IS 19.7
 JV6835'FEET NORTHWEST OF A POWER POLE WITH NO NUMBER, 21.7 FEET SOUTHWEST OF
 JV6835'THE CENTERLINE OF JARRETTSVILLE ROAD, AND 39.8 FEET SOUTHWEST OF C AND
 JV6835'P OF MARYLAND POLE NUMBER 283.
 JV6835
 JV6835 STATION RECOVERY (1993)
 JV6835
 JV6835'RECOVERY NOTE BY GEOMETRICS GPS INCORPORATED 1993
 JV6835'RECOVERED IN GOOD CONDITION.

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

| | | | |
|-----------|-----------------|----------------|-------------|
| LATITUDE | 039 35 50.29548 | NORTH(sf) | 703626.238 |
| LONGITUDE | 076 26 25.70479 | EAST(sf) | 1470012.494 |
| GRID AZ. | 159 20 05.1 | ELEV. GPS OBS. | 565.08 ft |

1 National Geodetic Survey, Retrieval Date = August 1, 2007
 JV6836 *****

JV6836 DESIGNATION - RIGDON AZ MK P0701

JV6836 PID - JV6836
 JV6836 STATE/COUNTY- MD/HARFORD
 JV6836 USGS QUAD - JARRETTSVILLE (1974)

JV6836 *CURRENT SURVEY CONTROL

JV6836* NAD 83(1991)- 39 35 38.65939(N) 076 26 20.12714(W) ADJUSTED
 JV6836* NAVD 88 - 176.4 (meters) 579. (feet) VERTCON

JV6836 X - 1,154,041.019 (meters) COMP
 JV6836 Y - -4,784,453.154 (meters) COMP
 JV6836 Z - 4,043,448.934 (meters) COMP
 JV6836 LAPLACE CORR- -2.82 (seconds) DEFLEC99
 JV6836 ELLIP HEIGHT- 143.858 (meters) (09/18/02) GPS OBS
 JV6836 GEOID HEIGHT- -32.57 (meters) GEOID03

JV6836 HORZ ORDER - FIRST
 JV6836 ELLP ORDER - FOURTH CLASS II

JV6836.The horizontal coordinates were established by GPS observations
 JV6836.and adjusted by the National Geodetic Survey in January 1992.

JV6836.The NAVD 88 height was computed by applying the VERTCON shift value to
 JV6836.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

JV6836.The X, Y, and Z were computed from the position and the ellipsoidal ht.

JV6836.The Laplace correction was computed from DEFLEC99 derived deflections.

JV6836.The ellipsoidal height was determined by GPS observations
 JV6836.and is referenced to NAD 83.

JV6836.The geoid height was determined by GEOID03.

| | North | East | Units | Scale Factor | Converg. |
|----------------|-----------------|----------------|-------|-----------------|------------|
| JV6836; SPC MD | - 214,107.653 | 448,195.990 | MT | 1.00002838 | +0 21 07.7 |
| JV6836; SPC MD | - 702,451.52 | 1,470,456.34 | sFT | 1.00002838 | +0 21 07.7 |
| JV6836; UTM 18 | - 4,383,693.691 | 376,447.193 | MT | 0.99978794 | -0 55 01.9 |
| JV6836! | - Elev Factor | x Scale Factor | = | Combined Factor | |
| JV6836! SPC MD | - 0.99997743 | x 1.00002838 | = | 1.00000581 | |
| JV6836! UTM 18 | - 0.99997743 | x 0.99978794 | = | 0.99976538 | |

| PID | Reference Object | Distance | Geod. Az |
|--------|------------------|----------------|----------|
| | | | ddmmss.s |
| JV6835 | RIGDON | 382.877 METERS | 33941 |

JV6836 SUPERSEDED SURVEY CONTROL

JV6836 ELLIP H (01/27/92) 143.846 (m) GP() 4 1
 JV6836 NAD 83(1986)- 39 35 38.65255(N) 076 26 20.13394(W) AD() 1

JV6836 NGVD 29 (06/18/91) 176.7 (m) 580. (f) GPS OBS
 JV6836
 JV6836.Superseded values are not recommended for survey control.
 JV6836.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 JV6836.[See file dsdata.txt](#) to determine how the superseded data were derived.
 JV6836

JV6836_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SUJ7644783694(NAD 83)
 JV6836_MARKER: DZ = AZIMUTH MARK DISK
 JV6836_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 JV6836_SP_SET: CONCRETE POST
 JV6836_STAMPING: 70 RIGDON 1989
 JV6836_MARK LOGO: MD-025
 JV6836_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
 JV6836_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 JV6836+STABILITY: SURFACE MOTION
 JV6836_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 JV6836+SATELLITE: SATELLITE OBSERVATIONS - 1989

JV6836
 JV6836 HISTORY - Date Condition Report By
 JV6836 HISTORY - 1989 MONUMENTED RDA

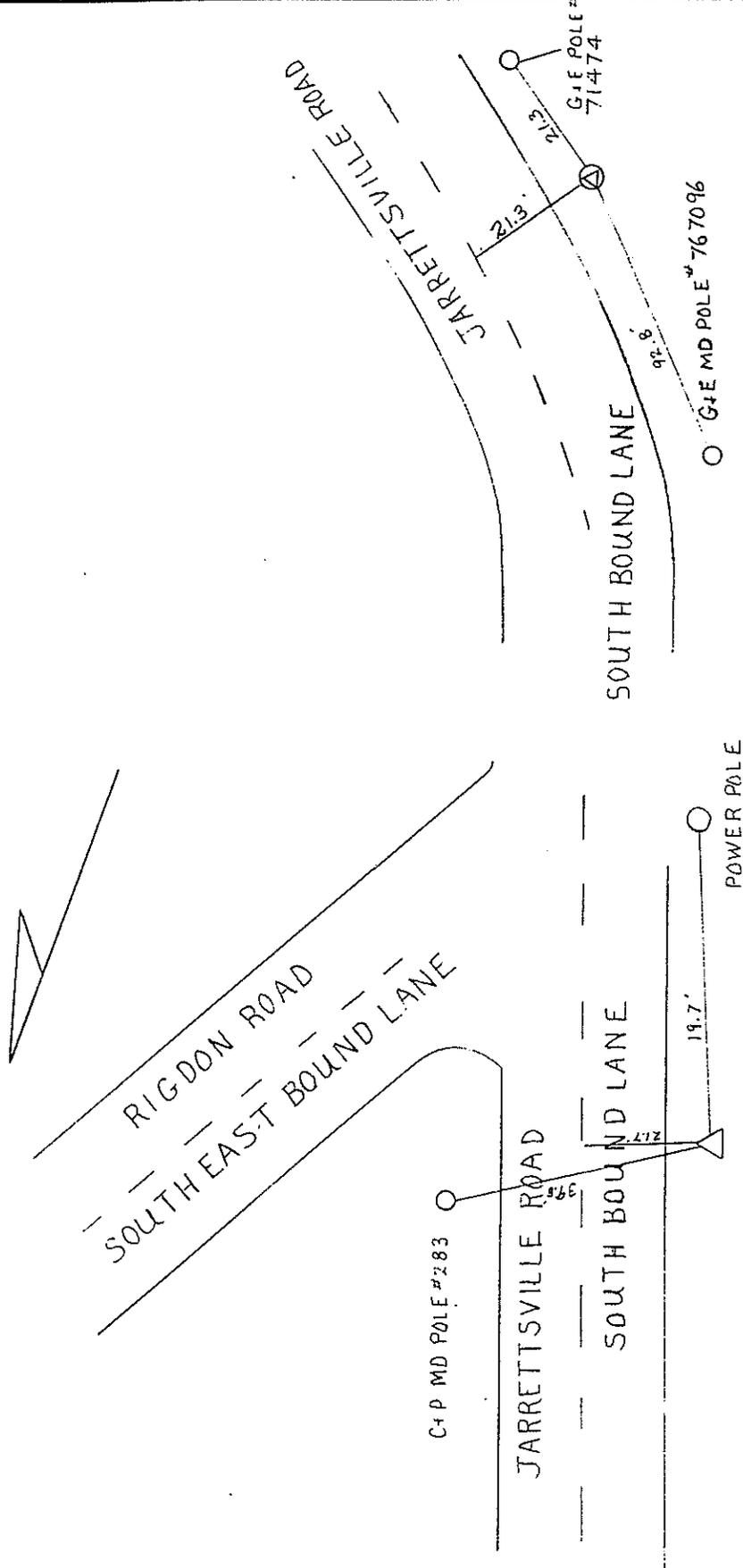
JV6836 STATION DESCRIPTION

JV6836
 JV6836'DESCRIBED BY RINKER DETWILER AND ASSOCIATES 1989
 JV6836'TO REACH THE AZIMUTH MARK FROM THE STATION PROCEED SOUTH SOUTHEAST
 JV6836'ALONG JARRETTSVILLE ROAD 0.21 MILES TO THE MARK ON THE RIGHT.
 JV6836'THE MARK IS A STANDARD HARFORD COUNTY AZIMUTH DISK SET IN CONCRETE
 JV6836'ABOUT 1 INCH BELOW GROUND STAMPED 70 RIGDON 1989. THE MARK IS 21.3
 JV6836'FEET SOUTHWEST OF THE CENTERLINE OF JARRETTSVILLE ROAD, 92.8 FEET
 JV6836'SOUTHEAST OF G AND E OF MARYLAND POLE NUMBER 767096, AND 21.3 FEET
 JV6836'WEST OF G AND E OF MARYLAND POLE NUMBER 71474 AND 1256.18 FEET FROM
 JV6836'THE STATION.

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

| | | | |
|-----------|-----------------|----------------|-------------|
| LATITUDE | 039 35 38.65297 | NORTH(sf) | 702450.873 |
| LONGITUDE | 076 26 20.13397 | EAST(sf) | 1470455.813 |
| GRID AZ. | 339 20 05.1 | ELEV. GPS OBS. | 579.54 ft |

70 RIGDON 1989



RINKER-DETWILER & ASSOCIATES, P.C.

Engineering • Surveying • Land Planning
Global Positioning System • Mapping

