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The following data sheet is for the "US Coast & Geodetic Survey Benchmark" #JC0053 located on the North Post at the bottom of the outside front steps of the St. Charles County Historical Society's Headquarters (101 South Main Street St. Charles, MO 63301). Pictures of the building and benchmark are shown following the datasheet.

JC0053 *****

JC0053 DESIGNATION - ST CHARLES

JC0053 PID - JC0053

JC0053 STATE/COUNTY- MO/ST CHARLES

JC0053 USGS QUAD - ST CHARLES (1994)

JC0053

JC0053 *CURRENT SURVEY CONTROL

JC0053

JC0053 * NAD 83(1986)- 38 46 55. (N) 090 28 51. (W) SCALED

JC0053 * NAVD 88 - 142.254 (meters) 466.71 (feet) ADJUSTED

JC0053

JC0053 GEOID HEIGHT- -31.43 (meters) GEOID99

JC0053 DYNAMIC HT - 142.166 (meters) 466.42 (feet) COMP

JC0053 MODELED GRAV- 980,003.7 (mgal) NAVD 88

JC0053

JC0053 VERT ORDER - SECOND CLASS 0

JC0053

JC0053 The horizontal coordinates were scaled from a topographic map and have
JC0053 an estimated accuracy of +/- 6 seconds.

JC0053

JC0053 The orthometric height was determined by differential leveling
JC0053 and adjusted by the National Geodetic Survey in June 1991.

JC0053

JC0053 The geoid height was determined by GEOID99.

JC0053

JC0053 The dynamic height is computed by dividing the NAVD 88

JC0053 geopotential number by the normal gravity value computed on the

JC0053 Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

JC0053 degrees latitude (g = 980.6199 gals.).

JC0053

JC0053 The modeled gravity was interpolated from observed gravity values.

JC0053

JC0053; North East Units Estimated Accuracy

JC0053; SPC MO E - 327,230. 251,670. MT (+/- 180 meters Scaled)

JC0053

JC0053 SUPERSEDED SURVEY CONTROL

JC0053

JC0053 NGVD 29 - 142.276 (m) 466.78 (f) ADJ UNCH 2 0

JC0053

JC0053 Superseded values are not recommended for survey control.

JC0053 NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

JC0053 See file dsdata.txt to determine how the superseded data were derived.

JC0053

JC0053 _MARKER: DB = BENCH MARK DISK

JC0053 _SETTING: 36 = BUILDING

JC0053 _STAMPING: ST CHARLES 1934

JC0053 _STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

JC0053

JC0053 HISTORY - Date Condition Recov. By
JC0053 HISTORY - 1934 MONUMENTED CGS
JC0053 HISTORY - 19950705 GOOD USPSQD

JC0053

JC0053 STATION DESCRIPTION

JC0053

JC0053 "DESCRIBED BY COAST AND GEODETIC SURVEY 1934

JC0053 "AT ST CHARLES.

JC0053 "AT ST. CHARLES, ST. CHARLES COUNTY, AT THE INTERSECTION OF MAIN

JC0053 "AND JEFFERSON STREETS, AT THE EAST ENTRANCE TO THE CITY HALL, IN

JC0053 "THE TOP OF THE NORTH BANNISTER POST OF THE STEPS, AND ABOUT 3

JC0053 "FEET ABOVE THE GROUND. A STANDARD DISK, STAMPED ST CHARLES 1934.

JC0053

JC0053 STATION RECOVERY (1995)

JC0053

JC0053 "RECOVERY NOTE BY US POWER SQUADRON 1995

JC0053 "RECOVERED IN GOOD CONDITION.

