

MISSOURI GEOGRAPHIC REFERENCE SYSTEM

MISSOURI DEPARTMENT OF NATURAL RESOURCES

DIVISION OF GEOLOGY AND LAND SURVEY

LAND SURVEY PROGRAM

PO Box 250, Rolla, Missouri 65402, (573) 368-2300

STATION NAME: Rose

PID: AD9795

COUNTY: Buchanan

STATE: Missouri

TOWNSHIP: 57 NORTH, RANGE: 36 WEST, SECTION: N 1/2 OF 11

USGS 7.5' QUAD: Wathena

DATE MONUMENTED: 1979

MONUMENTED BY: MODNR

TECHNICAL DATA TABLE:

(All data in meters 1 meter = 3.28083333 feet)

HORIZONTAL: NAD 1983**VERTICAL:** NAVD 1988

DATE OF OBSERVATIONS: 1993

DATE OF OBSERVATIONS: 1993

DATE OF ADJUSTMENT: 2000

DATE OF ADJUSTMENT: 1993

ORDER: 1st

ORDER: 3rd

LATITUDE: 39°46'36.60913"

ELEVATION: 249.292

LONGITUDE: 94°54'09.08463"

ELLIPSOID HEIGHT: 217.49

MISSOURI COORDINATE SYSTEM 1983:

NORTH (Y): 400768.393

EAST (X): 815517.307

ZONE: West

CONVERGENCE: -00°15'27"

GRID FACTOR: .9999217

AZIMUTH INFORMATION:

STATION: Rose

AZIMUTH MARK:

GEODETTIC:

None established at this time

ASTRONOMIC:

GRID:

REMARKS

The HORIZONTAL POSITION was determined by GPS observations and adjusted by the National Geodetic Survey in February 2000.

The ELEVATION was determined by differential leveling using reset procedures from station T 216 by the Missouri Department of Natural Resources in November 1993.

The ELLIPSOID HEIGHT was determined by GPS observations referenced to NAD83.

GEOID 99 was used in determining ELEVATION and ELLIPSOID HEIGHT.

STATION: Rose

DESCRIPTION: The station is a Missouri SLSA disk stamped, "ROSE, RLS 1019, 1979" in a 5 inches square and 36 inches long concrete post surrounded with concrete set flush with the surface. The underground mark is a 48 inches long copperweld with a plate stamped like the surface mark.

STATION, AZIMUTH MARKS AND REFERENCE TIES: The station is located about 0.25 mile north of the Administration Building and Control Tower of Airport owned by the City of St. Joseph, MO. It is about 270 feet west and 100 feet south of the north end of 26th Avenue on the southeast side of a gravel field road. It is 21.5 feet southeast of the center of the gravel road; 4.5 feet west of the west line of the concrete foundation of a quonset hut machine shed; 2 feet northeast of a carsonite witness post; 48.8 feet northwest of the northeast corner post of a chain link fence and 37.8 feet north-northwest of the chain link fence post nearest to being in line with the west line of the foundation of the machine shed.

STATION & AZIMUTH MARK TO REACH: To reach the station from downtown St. Joseph, MO, set out west across the Missouri River on US Highway 36 and exit at the first Kansas exit (Elwood, exit after crossing the River and K-238). At the end of the off ramp from Highway 36, (a 3-way stop at a T-junction), turn an immediately left and go west on K-238 for 1.55 mile where K-238 continue north. Turn right and travel north on K-238 for 0.85 miles to Kansas-Missouri boundary at terminus of K-238. Continue north on Airport Road of Rosecrans Airport for 0.7 mile to stop sign junction with Logan Road. Turns left and go west on Logan for 0.15 mile to 26th Avenue. Turn right and go north on 26th Avenue for 0.5 mile to end at T-junction with #Road 2 (paved road east) and a gravel field road west. Turns left and go westerly and southwesterly on the gravel road for 0.05 mile to station on the left (SE) side as described.

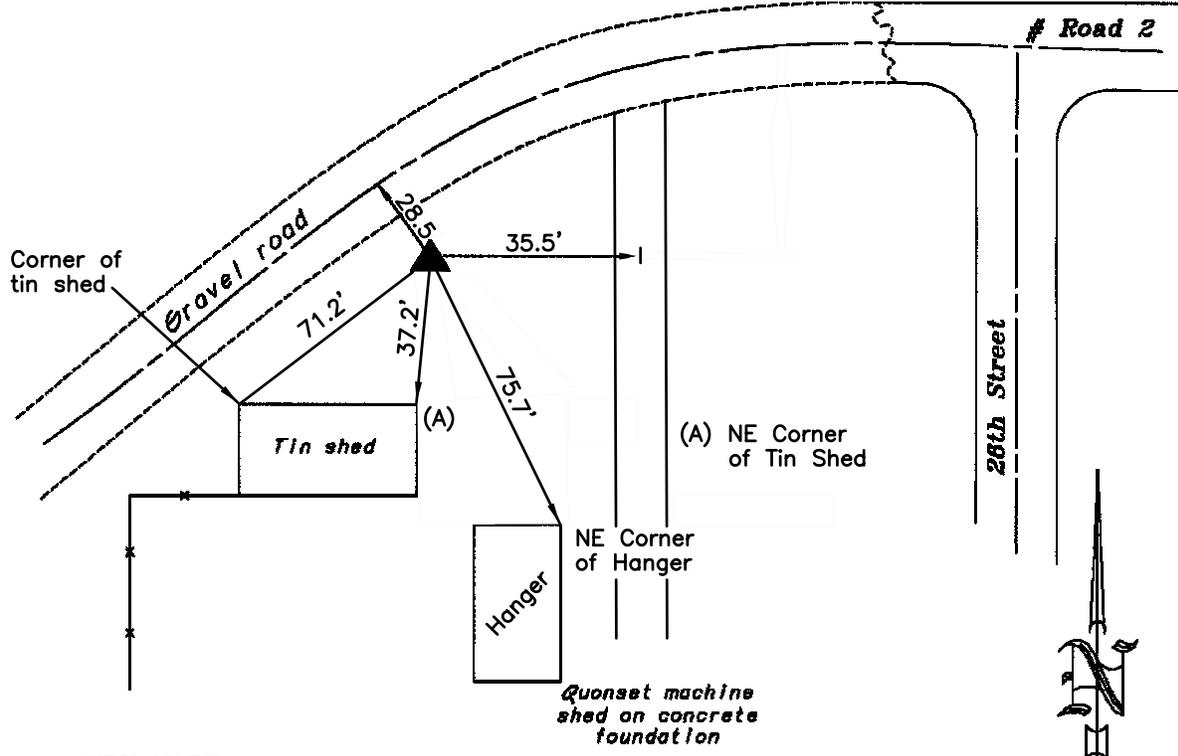
SPECIAL INFORMATION:

SUPERSEDED SURVEY CONTROL

NGS NAD 83(1997)-	39°46'36.60912"(N)	94°54'09.08464"(W)
NGS NAD 83(1997)-	39°46'36.60912"(N)	94°54'09.08464"(W)
NGS NAD 83(1986)-	39°46'36.61181"(N)	94°54'09.08034"(W)
MODNR NAD 83(1986)-	39°46'36.61118"(N)	94°54'09.08007"(W)

DATE of REPORT, 2002

STATION: Rose



AZIMUTH MARK:

No information available on the azimuth mark at this time.

DATE OF SKETCH 2001



STATION: ROSE (LOOKING SOUTH)



STATION: ROSE (LOOKING EAST)