

# PLAT AND RECORD

435

VOL. 6

Of a Survey on Section..... T..... R..... E. of the 4 P. M. in..... Township

Rock County, Wisconsin, made Dec the 14 1993

I hereby certify that the following is a correct record of ~~said survey~~ as made by me.

COUNTY BUILDING  
CITY OF JANESVILLE

*Donald Barnes*

County Surveyor.

Summary:      Approximate high elev.    1080 ft  
                 Approximate low elev.     740 ft

### ROCK COUNTY TRANSVERSE MERCATOR PROJECTION

GRS 80

$$\lambda_0 = 89^{\circ} 04' 20''$$

$$K_0 = 0.999,996,00 \quad (820 \text{ ft})$$

$$\phi_0 = 41^{\circ} 56' 40''$$

$$E_0 = 146,304.2926\text{m} \quad (\text{or } 480,000 \text{ feet})$$

$$N_0 = 0.00\text{m}$$

$$H = 274.321\text{m} \quad (\text{or } 900 \text{ feet}) \quad \text{DESIGN ELEVATION}$$

$$N = -33.65\text{M} \quad (\text{Range} = -33.6\text{m to } -33.9\text{m})$$

### APPROXIMATE RATIOS

	RATIO	LOCATION
Rural (worst)	1:100,000	sec 22, T3N, R12E; High point NW of Janesville; ELEV 1020 FT
Urban	1:188,000	Janesville city
	1:320,000	Beloit city
	1:300,000	Evansville city
	1:300,000	Edgerton city

Approximate West most coordinate (x) = 400,000 feet. Approximate South most coordinate (y) = 200,000 feet.

DESIGN COMMENTS: The Rock River runs from North to South thru the middle of Rock County. Elevations rise to the East and West of the Rock River, except for the Southwest corner where the Sugar River is located. This general topography, and since both Janesville and Beloit cities lie on the Rock River, make a transverse mercator projection ideal.

1 METER = 3.28083333333 U.S. SURVEY FOOT

1 METER = 3.28083989501 INTERNATIONAL FOOT

NAD83 CODE #A803  
SOUTH ZONE

INFORMATION COPIED FROM INFORMATION THAT WAS USED TO DEVELOP ROCK COUNTY COORDINATE SYSTEM FOR WIDOT BY FAIRVIEW INDUSTRIES. THESE PARAMETERS ARE REVISED PARAMETERS (6/30/93).