

GPS SURVEY MARK DESCRIPTION

GIS MAPPING BY:
 THE SIDWELL COMPANY
 WEST CHICAGO, ILLINOIS

THE OFFICE OF THE
 COUNTY ENGINEER
 DICKINSON COUNTY, IOWA

DESIGNATION 1003636 2 GPS NO. 8039 COUNTY DICKINSON STATE IOWA
 LOCATED IN SECTION 36 TWP 100 N RANGE 36 W USGS QUAD MAP SPIRIT LAKE
 THE STATION IS
 AT THE NORTHWEST CORNER OF THE INTERSECTION BETWEEN HIGHWAY 9 (ALSO HIGHWAY 71) AND 280TH AVENUE.

MARK BERNTSEN MONUMENT WITH 2-1/2" ALUMINUM DISK ON ROD WITH 6" ACCESS COVER

MARK EXISTING VALUES AS PUBLISHED BY Patrick Engineering Inc DATE August, 2002
 MARK SET VALUES ESTABLISHED BY

HORIZONTAL VALUES ORIGINATED ON "K" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMENT.

LATITUDE NORTH 43° 25' 50.352561"
 LONGITUDE WEST 95° 01' 57.092746"
 ELLIPSOID HEIGHT (meter) 438.325 * (Based on GEOID99 Model)

IOWA COORDINATE SYSTEM, NORTH ZONE
 CONVERGENCE ANGLE -1° 02' 19.18"
 SCALE FACTOR 0.999965
 COORDINATES (US FEET)
 NORTHING (Y) 3988134.84 COORDINATES (METERS)
 EASTING (X) 4514148.48 NORTHING (Y) 1215585.930
 EASTING (X) 1375915.209

VERTICAL VALUES ORIGINATED ON VERTICAL CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND/OR THE U.S. GEOLOGICAL SURVEY AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.

ELEVATION (US FEET) 1529.82 ELEVATION (METERS) 466.290

