

GPS SURVEY MARK DESCRIPTION

GIS MAPPING BY:
THE SIDWELL COMPANY
WEST CHICAGO, ILLINOIS

THE OFFICE OF THE
COUNTY ENGINEER
DICKINSON COUNTY, IOWA

DESIGNATION 1003821 1 **GPS NO.** 8008 **COUNTY** DICKINSON **STATE** IOWA
LOCATED IN SECTION 21 **TWP** 100 N **RANGE** 38 W **USGS QUAD MAP** LAKE PARK
TO REACH THE STATION
FROM THE INTERSECTION BETWEEN 130TH AVENUE AND 120TH STREET; HEAD SOUTH ON 130TH AVENUE TO THE
STATION ON THE RIGHT.

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 ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARM) CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMENT.

LATITUDE NORTH 43° 27' 59.921940"
LONGITUDE WEST 95° 19' 44.550934"
ELLIPSOID HEIGHT (meter) 423.610 * (Based on GEOID99 Model)

IOWA COORDINATE SYSTEM, NORTH ZONE **CONVERGENCE ANGLE** -1° 14' 22.64"
COORDINATES (US FEET) **SCALE FACTOR** 0.999976
NORTHING (Y) 4002817.38 **NORTHING (Y)** 1220061.178
EASTING (X) 4435676.78 **EASTING (X)** 1351996.987

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) 1479.74 **ELEVATION (METERS)** 451.026

