

GPS SURVEY MARK DESCRIPTION

GIS MAPPING BY:
THE SIDWELL COMPANY
WEST CHICAGO, ILLINOIS

THE OFFICE OF THE
COUNTY ENGINEER
DICKINSON COUNTY, IOWA

DESIGNATION 983701 1 **GPS NO.** 8029 **COUNTY** DICKINSON **STATE** IOWA
LOCATED IN SECTION 1 **TWP** 98 N **RANGE** 37 W **USGS QUAD MAP** MILFORD
THE STATION IS
AT THE SOUTHWEST CORNER OF THE INTERSECTION BETWEEN HIGHWAY 86 AND U.S. HIGHWAY 71.

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 (HARN) CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMENT.

LATITUDE NORTH 43° 20' 23.880961"
LONGITUDE WEST 95° 09' 01.577229"
ELLIPSOID HEIGHT (meter) 406.758 * (Based on GEOID99 Model)

IOWA COORDINATE SYSTEM, NORTH ZONE -1° 07' 06.87"
CONVERGENCE ANGLE 0.999950
SCALE FACTOR
COORDINATES (US FEET) **COORDINATES (METERS)**
NORTHING (Y) 3955674.63 **NORTHING (Y)** 1205692.039
EASTING (X) 4482184.67 **EASTING (X)** 1366172.620

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) 1426.65 **ELEVATION (METERS)** 434.844

