

**GPS SURVEY MARK DESCRIPTION**

GIS MAPPING BY:  
 THE SIDWELL COMPANY  
 WEST CHICAGO, ILLINOIS

THE OFFICE OF THE  
 COUNTY ENGINEER  
 DICKINSON COUNTY, IOWA

DESIGNATION 993734 3 GPS NO. 8023 COUNTY DICKINSON STATE IOWA  
 LOCATED IN SECTION 34 TWP 99 N RANGE 37 W USGS QUAD MAP MILFORD  
 TO REACH THE STATION FROM \_\_\_\_\_  
 THE INTERSECTION BETWEEN 190TH AVENUE AND 210TH STREET. HEAD NORTH ON 190TH AVENUE APPROXIMATELY  
 260.0 FEET 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 \_\_\_\_\_ DATE August, 2002  
 MARK SET     VALUES ESTABLISHED BY Patrick Engineering Inc.

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.

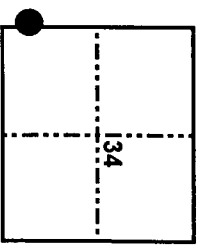
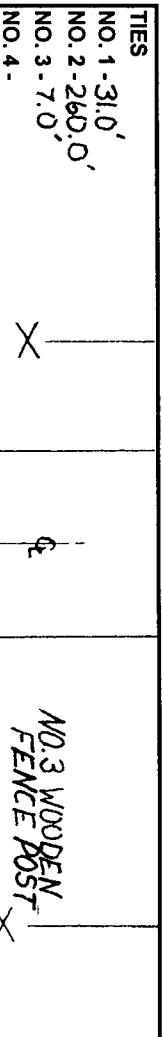
LATITUDE NORTH 43° 20' 34.298929"  
 LONGITUDE WEST 95° 12' 33.312789"  
 ELLIPSOID HEIGHT (meter) 408.621 \* (Based on GEOID99 Model)

**IOWA COORDINATE SYSTEM, NORTH ZONE**

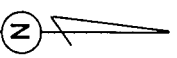
COORDINATES (US FEET)		CONVERGENCE ANGLE	<u>-1° 09' 30.37"</u>
NORTHING (Y)	<u>3957040.15</u>	SCALE FACTOR	<u>0.999951</u>
EASTING (X)	<u>4466561.44</u>	COORDINATES (METERS)	
		NORTHING (Y)	<u>1206108.250</u>
		EASTING (X)	<u>1361410.650</u>

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) 1432.38 ELEVATION (METERS) 436.590



SECTION MAP



SKETCH BY CCS

PATRICK 09-2002