GPS SURVEY MARK DESCRIPTION

GIS MAPPING BY:
THE SIDWELL COMPANY
WEST CHICAGO, ILLINOIS

THE OFFICE OF THE
COUNTY ENGINEER
DICKINSON COUNTY, IOWA

DESIGNATION	1003407 4		GPS NO.	8049	COUNTY	EMMET	STATE IOWA
LOCATED IN SECTION	7	TWP 100 N	RANGE	34 W	USGS QUAD MAP		SUPERIOR

THE STATION IS
DUE EAST OF THE INTERSECTION BETWEEN 340TH AVENUE AND 100TH STREET.

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

☐ MARK EXISTING ☐ VALUES AS PUBLISHED BY
☑ MARK SET ☑ VALUES ESTABLISHED BY

Patrick Engineering Inc DATE August, 2002

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.

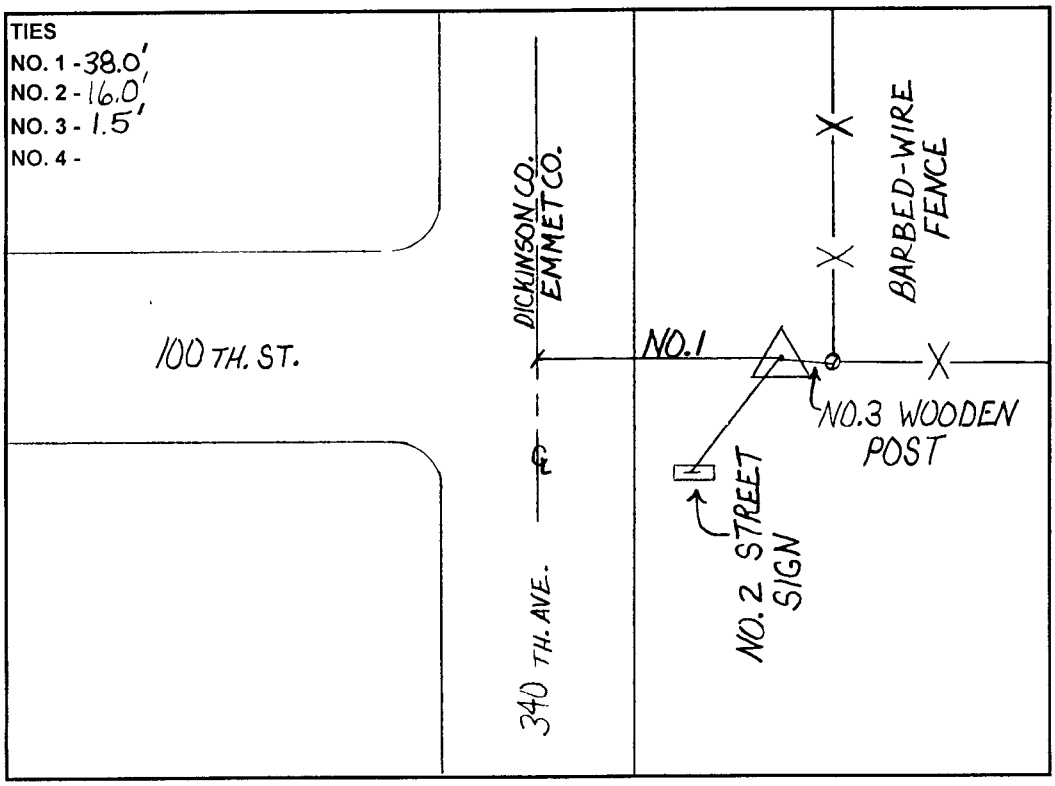
LATITUDE NORTH	43° 30' 03.208299"
LONGITUDE WEST	94° 54' 51.616916"
ELLIPSOID HEIGHT (meter)	394.633 * (Based on GEOID99 Model)

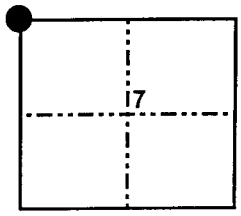
IOWA COORDINATE SYSTEM, NORTH ZONE

		CONVERGENCE ANGLE	0° 57' 30.82"
		SCALE FACTOR	0.999989
COORDINATES (US FEET)		COORDINATES (METERS)	
NORTHING (Y)	4013187.26	NORTHING (Y)	1223221.923
EASTING (X)	4545969 25	EASTING (X)	1385614 199

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)	1386.37	ELEVATION (METERS)	422.566





SECTION MAP

SKETCH BY CCS

PATRICK 09-2002