GPS SURVEY MARK DESCRIPTION

GIS MAPPING BY:
THE SIDWELL COMPANY
WEST CHICAGO, ILLINOIS

THE OFFICE OF THE
COUNTY ENGINEER
DICKINSON COUNTY, IOWA

DESIGNATION	993419 4			GPS NO.	8052	COUNTY	EMMET	STATE	IOWA
LOCATED IN SECTION	19	TWP	99 N	RANGE	34 W	USGS QUAD MAP		SUPERIOR	

THE STATION IS
AT THE SOUTHEAST CORNER OF THE INTERSECTION BETWEEN 340TH AVENUE AND 180TH 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.

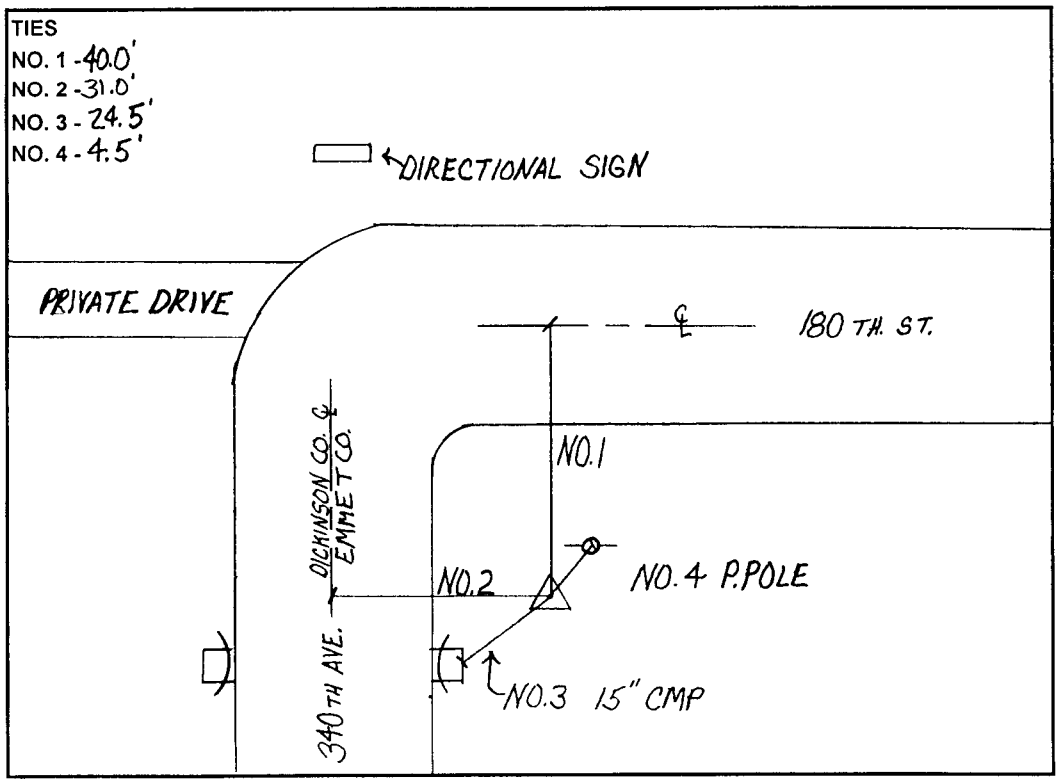
LATITUDE NORTH	43° 23' 05.310997"
LONGITUDE WEST	94° 54' 50.426797"
ELLIPSOID HEIGHT (meter)	412 693 * (Based on GEOID99 Model)

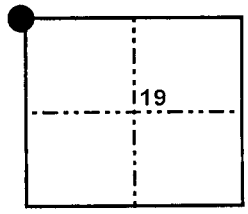
IOWA COORDINATE SYSTEM, NORTH ZONE

CONVERGENCE ANGLE	0° 57' 30 01"		
SCALE FACTOR	0 999959		
COORDINATES (US FEET)		COORDINATES (METERS)	
NORTHING (Y)	3970877.45	NORTHING (Y)	1210325 867
EASTING (X)	4545349.24	EASTING (X)	1385425.219

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)	1446.58	ELEVATION (METERS)	440.918





SECTION MAP

SKETCH BY CCS

PATRICK 09-2002