GPS SURVEY MARK DESCRIPTION

GIS MAPPING BY:
THE SIDWELL COMPANY
WEST CHICAGO, ILLINOIS

THE OFFICE OF THE
COUNTY ENGINEER
DICKINSON COUNTY, IOWA

DESIGNATION	1013835 3		GPS NO.	8001	COUNTY	JACKSON	STATE MN
LOCATED IN SECTION	35	TWP 101 N	RANGE	38 W	USGS QUAD MAP		SIOUXVALLEY

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

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' 01.272585"
LONGITUDE WEST	95° 23' 15.786342"
ELLIPSOID HEIGHT (meter)	439.066 * (Based on GEOID99 Model)

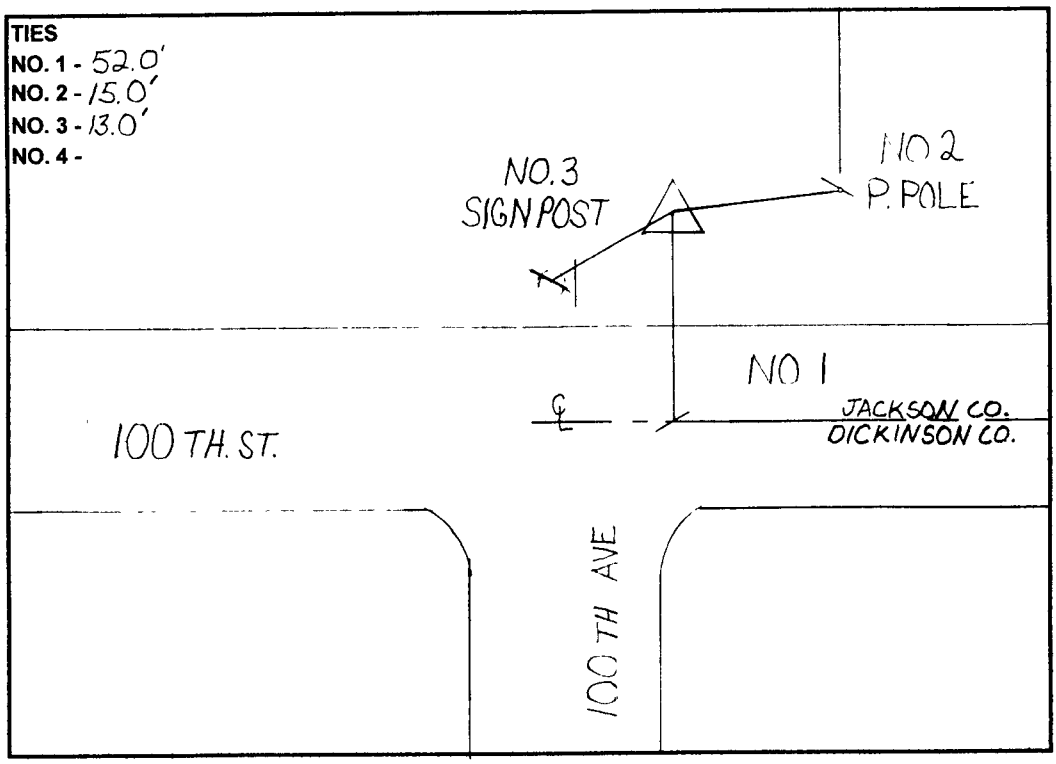
IOWA COORDINATE SYSTEM, NORTH ZONE

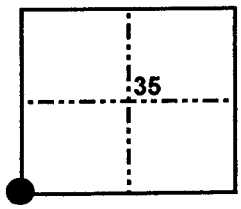
CONVERGENCE ANGLE	-1° 16' 45.81"
SCALE FACTOR	0.999982

COORDINATES (US FEET)		COORDINATES (METERS)	
NORTHING (Y)	4015444.33	NORTHING (Y)	1223909.880
EASTING (X)	4420376.28	EASTING (X)	1347333.385

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)	1529.83	ELEVATION (METERS)	466.293





SECTION MAP

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SKETCH BY CCS

PATRICK 09-2002