

### GPS SURVEY MARK DESCRIPTION

GIS MAPPING BY:  
 THE SIDWELL COMPANY  
 WEST CHICAGO, ILLINOIS

THE OFFICE OF THE  
 COUNTY ENGINEER  
 DICKINSON COUNTY, IOWA

DESIGNATION 993726 4 GPS NO. WHAPETON 1 COUNTY DICKINSON STATE IOWA  
 LOCATED IN SECTION 26 TWP 99 N RANGE 37 W USGS QUAD MAP MILFORD  
 TO REACH THE STATION FROM HE INTERSECTION OF 190TH STREET AND IOWA HIGHWAY 86; HEAD SOUTH ON  
HIGHWAY 86 FOR APPROXIMATELY 0.1 MILE TO THE STATION ON THE LEFT (EAST OF THE CENTERLINE). THE STATION IS  
LOCATED IN BETWEEN 190TH STREET AND WEST ROAD.

MARK BERNTSEN MONUMENT WITH 3-1/4" 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

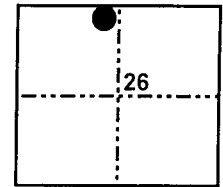
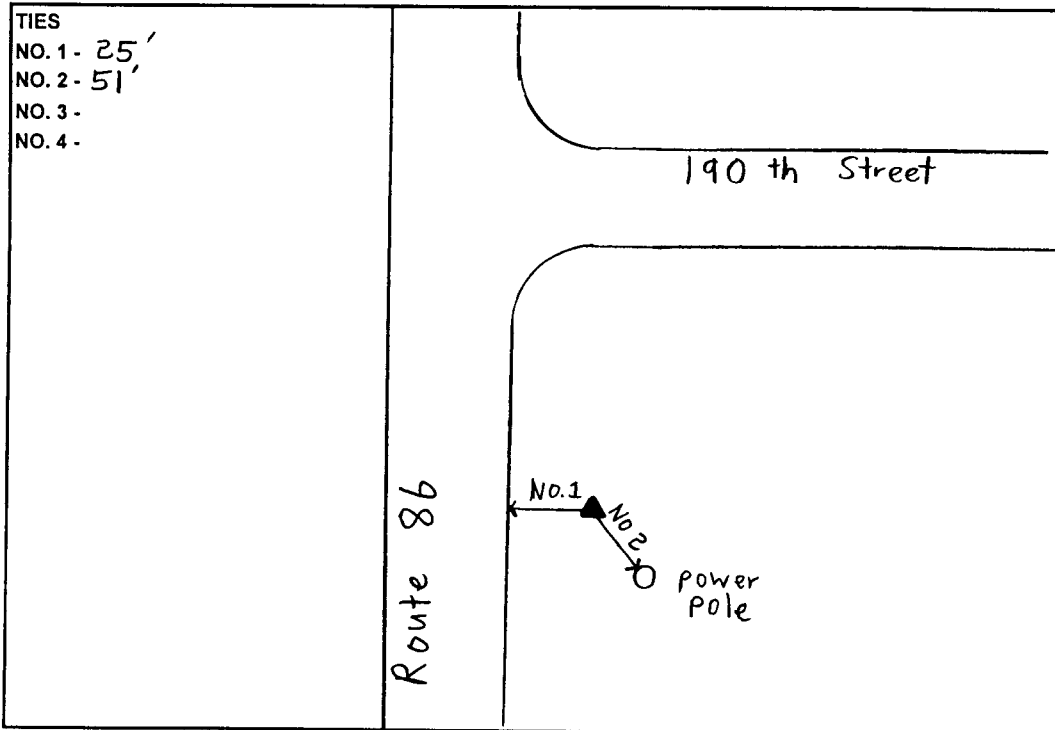
HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL  
 ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMENT.

LATITUDE NORTH 43° 22' 15.313653"  
 LONGITUDE WEST 95° 10' 52.569890"  
 ELLIPSOID HEIGHT (meter) 409.950 \* (Based on GEOID99 Model)

IOWA COORDINATE SYSTEM, NORTH ZONE	CONVERGENCE ANGLE	<u>-1° 08' 22 1"</u>
	SCALE FACTOR	<u>0 999956</u>
COORDINATES (US FEET)	COORDINATES (METERS)	
NORTHING (Y) <u>3967116 76</u>	NORTHING (Y) <u>1209179 607</u>	
EASTING (X) <u>4474208 07</u>	EASTING (X) <u>1363741 347</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) 1436 63 ELEVATION (METERS) 437 886



SECTION MAP



SKETCH BY SL

PATRICK 09-2002