

# GPS SURVEY MARK DESCRIPTION

GIS MAPPING BY:  
THE SIDWELL COMPANY  
WEST CHICAGO, ILLINOIS

THE OFFICE OF THE  
COUNTY ENGINEER  
HARDIN COUNTY, IOWA

DESIGNATION 892132 3 GPS No. 8042 COUNTY HARDIN STATE IOWA  
 LOCATED IN SECTION 32 TWP 89 N RGE 21 W USGS QUAD MAP OWASA  
 TO REACH FROM THE INTERSECTION OF 170th STREET AND N AVENUE; GO NORTH 1.0 MILE TO "S" CURVE  
AT EAST-WEST SECTION LINE FENCE AND MARK.

MARK 3-1/4" ALUMINUM DISK SET IN 12" DIAMETER POURED-IN-PLACE CONCRETE MONUMENT

MARK EXISTING     VALUES AS PUBLISHED BY \_\_\_\_\_  
 MARK SET         VALUES ESTABLISHED BY DENI ASSOCIATES, INC.    DATE 1998

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.

IOWA COORDINATE SYSTEM, NORTH ZONE	SCALE FACTOR: <u>0.99995124</u>
COORDINATES (US FEET)	COORDINATES (METERS)
NORTHING (Y) <u>3634764.41</u>	NORTHING (Y) <u>1107878.406</u>
EASTING (X) <u>4993412.35</u>	EASTING (X) <u>1521995.127</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) 1108.97                      ELEVATION (METERS) 338.02

