

# GPS SURVEY MARK DESCRIPTION

GIS MAPPING BY:  
THE SIDWELL COMPANY  
WEST CHICAGO, ILLINOIS

THE OFFICE OF THE  
COUNTY ENGINEER  
GRUNDY COUNTY, IOWA

DESIGNATION 94-082 GPS No. 7069 COUNTY BLACK HAWK STATE IOWA  
 LOCATED IN SECTION 18 TWP 89N RGE 14W USGS QUAD MAP NEW HARTFORD  
 TO REACH FROM IN THE NORTHEAST QUADRANT OF THE INTERSECTION OF 130TH STREET (D 17) TO WEST  
AND WEST 27TH STREET TO EAST AND BUTLER ROAD.

CAP IS STAMPED "GPS CONTROL PT. 94-082"

MARK 2-1/2" BLACK HAWK CO. ALUM. CAP ON ALUM. ROD IN 5" PVC PIPE CASING WITH ALUM. ACCESS COVER

MARK EXISTING     VALUES AS PUBLISHED BY \_\_\_\_\_  
 MARK SET         VALUES ESTABLISHED BY DENI ASSOCIATES, INC.    DATE JUNE 1997

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>0.99994898</u>
COORDINATES (US FEET)	COORDINATES (METERS)
NORTHING (Y) <u>3651562.39</u>	NORTHING (Y) <u>1112998.443</u>
EASTING (X) <u>5176239.58</u>	EASTING (X) <u>1577720.979</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) <u>966.23</u>	ELEVATION (METERS) <u>294.506</u>
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