

# GPS SURVEY MARK DESCRIPTION

GIS MAPPING BY:  
THE SIDWELL COMPANY  
WEST CHICAGO, ILLINOIS

THE OFFICE OF THE  
COUNTY ENGINEER  
GREENE COUNTY, IOWA

DESIGNATION           S 101           GPS No.   S101   COUNTY   GREENE   STATE   IOWA    
 LOCATED IN SECTION   20   TWP   85 N   RGE   31 W   USGS QUAD MAP                    CHURDAN  
 TO REACH FROM   THE INTERSECTION OF 140TH STREET/STATE HIGHWAY 4/CO. E19 AND I AVENUE/STATE    
  HIGHWAY 4 AT CHURDAN; GO NORTH 0.25 MILE TO SAND STREET; THEN WEST 0.25 MILE TO AN    
  UN-NAMED STREET TO NORTH AND MARK IN NORTHWEST QUADRANT.    
 IN HIGHLAND TOWNSHIP

MARK   U.S.C. & G.S. BENCHMARK DISK IN 9" x 9" CONCRETE POST, FLUSH; STAMPED "S 101 1935, ELEV. 1119.676"  

MARK EXISTING     VALUES AS PUBLISHED BY           NATIONAL GEODETIC SURVEY - VERTICAL            
 MARK SET         VALUES ESTABLISHED BY   DENI ASSOCIATES, INC. - HORIZONTAL   DATE   OCTOBER 2000  

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>          1.00000892          </u>
COORDINATES (US FEET)	COORDINATES (METERS)
NORTHING (Y) <u>          3521202.85          </u>	NORTHING (Y) <u>          1073264.776          </u>
EASTING (X) <u>          4655553.94          </u>	EASTING (X) <u>          1419015.679          </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)           1119.85                                ELEVATION (METERS)           341.33          

