

GPS SURVEY MARK DESCRIPTION

GIS MAPPING BY:
 THE SIDWELL COMPANY
 WEST CHICAGO, ILLINOIS

THE OFFICE OF THE
 COUNTY ENGINEER
 DICKINSON COUNTY, IOWA

DESIGNATION 993701 1 GPS NO. 8027 COUNTY DICKINSON STATE IOWA
 LOCATED IN SECTION 1 TWP 99 N RANGE 37 W USGS QUAD MAP OKOBOJI
 TO REACH THE STATION FROM _____
 THE INTERSECTION BETWEEN HIGHWAY 9 AND 153RD STREET, HEAD WEST ON HIGHWAY 9 FOR 0.2 MILE TO THE
 STATION ON THE LEFT LOCATED IN THE CENTER OF THE MEDIAN.

MARK BERNTSEN MONUMENT WITH 2-1/2" ALUMINUM DISK ON ROD WITH 6" ACCESS COVER

MARK EXISTING VALUES AS PUBLISHED BY _____ DATE August, 2002
 MARK SET VALUES ESTABLISHED BY Patrick Engineering Inc.

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° 25' 35.868919"
 LONGITUDE WEST 95° 08' 53.348723"
 ELLIPSOID HEIGHT (meter) 410.277 * (Based on GEOID99 Model)

IOWA COORDINATE SYSTEM, NORTH ZONE CONVERGENCE ANGLE -1° 07' 01.29"
 SCALE FACTOR 0.999969

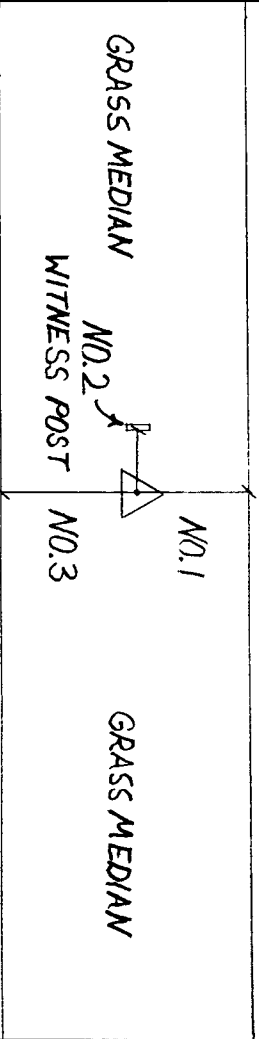
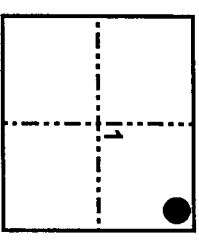
COORDINATES (US FEET) NORTHING (Y) 3987246.40 COORDINATES (METERS) NORTHING (Y) 1215315.133
 EASTING (X) 4483408.48 EASTING (X) 1386545.638

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) 1437.31 ELEVATION (METERS) 438.093

TIES
 NO. 1 - 29.4'
 NO. 2 - 14.0'
 NO. 3 - 41.0'
 NO. 4 - _____

WESTBOUND HWY 9



EASTBOUND HWY 9

SKETCH BY CCS

PATRICK 09-2002