

**GPS SURVEY MARK DESCRIPTION**

GIS MAPPING BY:  
 THE SIDWELL COMPANY  
 WEST CHICAGO, ILLINOIS

THE OFFICE OF THE  
 COUNTY ENGINEER  
 DICKINSON COUNTY, IOWA

DESIGNATION 1003627 2 GPS NO. ORLEANS COUNTY DICKINSON STATE IOWA  
 LOCATED IN SECTION 27 TWP 100 N RANGE 36 W USGS QUAD MAP SPIRIT LAKE  
 THE STATION IS  
 LOCATED DUE EAST OF THE INTERSECTION BETWEEN HIGHWAY 327 AND FIRST STREET IN THE CITY OF ORLEANS

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

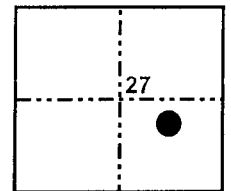
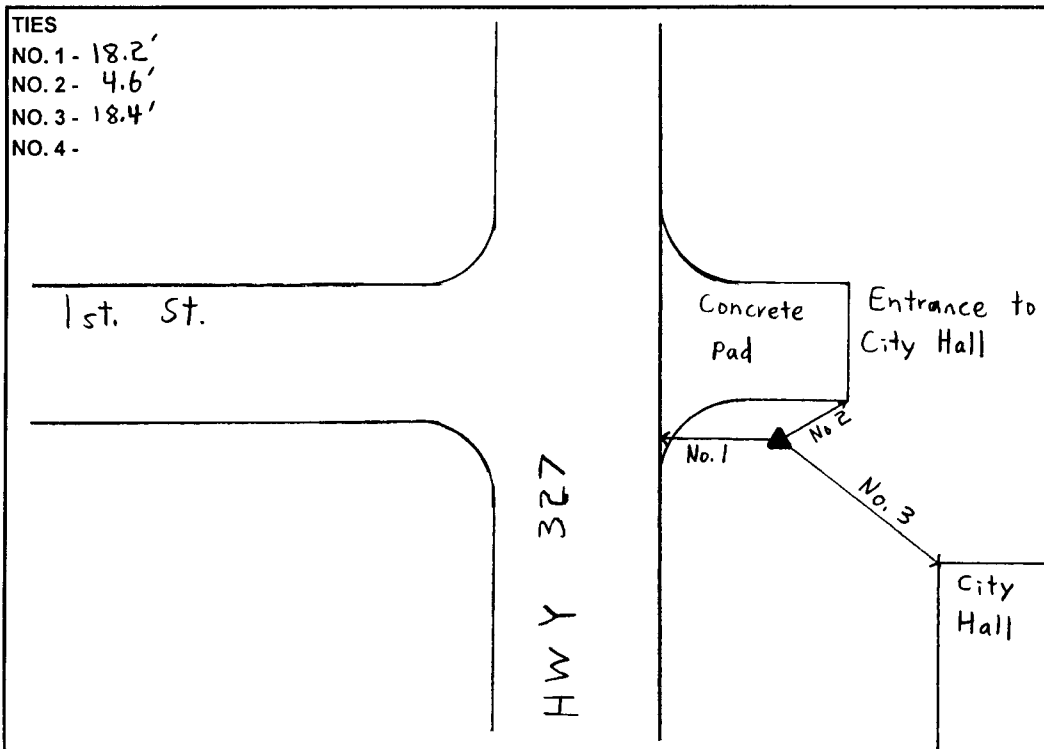
HORIZONTAL VALUES ORIGINATED ON ORDER "B" IOWA HIGH ACCURACY REFERENCE NETWORK (HARN) CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMENT.

LATITUDE NORTH 43° 26' 51.039385"  
 LONGITUDE WEST 95° 05' 27.010173"  
 ELLIPSOID HEIGHT (meter) 404.547 \* (Based on GEOID99 Model)

IOWA COORDINATE SYSTEM, NORTH ZONE	CONVERGENCE ANGLE	<u>-1° 04' 41.45"</u>
	SCALE FACTOR	<u>0.999975</u>
COORDINATES (US FEET)	COORDINATES (METERS)	
NORTHING (Y)	NORTHING (Y)	<u>1217545.768</u>
EASTING (X)	EASTING (X)	<u>1371229.753</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) 1418.60 ELEVATION (METERS) 432.390



SECTION MAP



SKETCH BY SL

PATRICK 09-2002