## **GPS SURVEY MARK DESCRIPTION**

GIS MAPPING BY: THE SIDWELL COMPANY WEST CHICAGO, ILLINOIS THE OFFICE OF THE COUNTY ENGINEER APPANOOSE COUNTY, IOWA

NORTHING (Y) 265458.43 NORTHING (Y) 80911.891  EASTING (X) 1863417.77 EASTING (X) 567970.872  VERTICAL VALUES ORIGINATED ON VERTICAL CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND / OR	DESIGNATION 69	1634 3	_GPS No	8011 COUNTY	APPANOOSE	STATE	IOWA	
GO NORTH 165 FEET, MORE OR LESS, TO MARK.  MARK 3-1/4" ALUMINUM DISK SET IN 10" DIAMETER POURED-IN-PLACE CONCRETE MONUMENT  MARK EXISTING VALUES AS PUBLISHED BY DENI ASSOCIATES, INC. DATE 1998  MARK SET 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, SOUTH ZONE SCALE FACTOR: 0.99998253  COORDINATES (US FEET) COORDINATES (METERS)  NORTHING (Y) 285458.43 NORTHING (Y) 80911.881  EASTING (X) 1863417.77 EASTING (X) 567970.872  VERTICAL VALUES ORIGINATED ON VERTICAL CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND OR THE US. GEOLOGICAL SURVEY AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.  ELEVATION (US FEET) 986.33 ELEVATION (METERS) 300.63  TIES  NO 1 - 32 5'  NO 2 - 16'  NO 3 - 24'  NO 4 - 22.9'  NO 5 - 164'  NO 5 - 164'  SECTION  SECTION  SKETCH	LOCATED IN SECTION 34	TWP 69 N	RGE1	6 W USGS QUAD	MAP	MOULTON		
MARK 3-1/4" ALUMINUM DISK SET IN 10" DIAMETER POURED-IN-PLACE CONCRETE MONUMENT    MARK EXISTING	TO REACH FROM THE INTER	RSECTION OF 5	20th STREE	T AND 310th AVEN	JE, NORTH-NOF	RTHWEST OF N	MOULTON;	
MARK EXISTING  VALUES AS PUBLISHED BY DENI ASSOCIATES, INC. DATE 1998  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 COORDINATES SYSTEM, SOUTH ZONE SCALE FACTOR: 0.99998253  COORDINATES (US FEET) COORDINATES (METERS)  NORTHING (Y) 265458.43 NORTHING (Y) 80911.891  EASTING (X) 1863417.77 EASTING (X) 567970.872  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) 986.33 ELEVATION (METERS) 300.63  TIES  NO 1 - 32.5'  NO 2 - 16'  NO 3 - 24'  NO 4 - 22.9'  NO 5 - 164'  NO 5 - 164'  SECTION  SECTION  SKETCH	GO NORTH 165 FEET, MOR	RE OR LESS, TO	MARK.					
MARK EXISTING  VALUES AS PUBLISHED BY DENI ASSOCIATES, INC. DATE 1998  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 COORDINATES SYSTEM, SOUTH ZONE SCALE FACTOR: 0.99998253  COORDINATES (US FEET) COORDINATES (METERS)  NORTHING (Y) 265458.43 NORTHING (Y) 80911.891  EASTING (X) 1863417.77 EASTING (X) 567970.872  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) 986.33 ELEVATION (METERS) 300.63  TIES  NO 1 - 32.5'  NO 2 - 16'  NO 3 - 24'  NO 4 - 22.9'  NO 5 - 164'  NO 5 - 164'  SECTION  SECTION  SKETCH								
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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 COORDINATES (US FEET)  COORDINATES (US FEET)  COORDINATES (US FEET)  COORDINATES (US FEET)  COORDINATES (METERS)  NORTHING (Y)  285458.43  NORTHING (Y)  SO911.891  EASTING (X)  567970.872  VERTICAL VALUES ORIGINATED ON VERTICAL CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND / OR THE US GEOLOGICAL SURVEY AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.  ELEVATION (US FEET)  986.33  ELEVATION (METERS)  NO 1 - 32.5'  NO 2 - 16'  NO 3 - 24'  NO 4 - 22.9'  NO 5 - 164'  NO 5 - 164'  NO 5 - 164'  SECTION  SECTION  SKETCH	☐ MARK EXISTING ☐ VA	LUES AS PUBLIS	HED BY		***********			
LISHED BY THE NATIONAL GEODETIC SURVEY AND BASED ON THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMENT.  IOWA COORDINATES (US FEET)  COORDINATES (US FEET)  COORDINATES (US FEET)  COORDINATES (METERS)  NORTHING (Y)  265458.43  NORTHING (X)  1863417.77  EASTING (X)  S0911.891  EASTING (X)  567970.872  VERTICAL VALUES ORIGINATED ON VERTICAL CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND /OR THE US. GEOLOGICAL SURVEY AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.  ELEVATION (US FEET)  986.33  ELEVATION (METERS)  NO 1 - 32.5'  NO 2 - 16'  NO 3 - 24'  NO 4 - 22.9'  NO 5 - 164'  NO 6 - 164'  NO 7 - 22.9'  NO 5 - 164'  NO 8 - 24 - 25 - 25 - 25 - 25 - 25 - 25 - 25	☐ MARK SET ☐ VA	LUES ESTABLISI	ED BY	DENI ASSOCIA	TES, INC.	DATE	1998	
COORDINATES (US FEET)  NORTHING (Y)  265458.43  NORTHING (Y)  EASTING (X)  1863417.77  EASTING (X)  VERTICAL VALUES ORIGINATED ON VERTICAL CONTROL ESTABLISHED BY THE NATIONAL GEODETIC SURVEY AND OR THE US GEOLOGICAL SURVEY AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.  ELEVATION (US FEET)  986.33  ELEVATION (METERS)  300.63  TIES  NO 1 - 32.5'  NO 2 - 16'  NO 3 - 24'  NO 4 - 22.9'  NO 5 - 164'  NO 5 - 164'  NO 5 - 164'  SECTION  BIN  SKETCH								
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THE U.S. GEOLOGICAL SURVEY AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.  ELEVATION (US FEET) 986.33 ELEVATION (METERS) 300.63  TIES  NO 1 - 32.5' NO 2 - 16' NO 3 - 24' NO 4 - 22.9' NO 5 - 164'  NO 5 - 164'  NO 7  EDGE  SECTION  SKETCH	EASTING (X)			EASTING (X	)	567970.872		
No. 1 - 32.5' No. 2 - 16' No. 3 - 24' No. 4 - 22.9' No. 5 - 164'  NO. 2  NO. 2  NO. 2  NO. 3  EDGE  BIN  SKETCH	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.							
No 1 - 32.5' No 2 - 16' No 3 - 24' No 4 - 22.9' No 5 - 164'  NO .1  EDGE  NO .2  BIN  SKETCH	ELEVATION (US FEET)	986.33		ELEVATION	(METERS)	300.6	3	
	No 1 - 32.5' No 2 - 16' No 3 - 24' No 4 - 22.9' No 5 - 164'	AVE.		NO.3 EDGE	WITNESS P	BIN		
1 NO. 5								
<u>€</u>	J. market and a		< / N	U. 5. <i>520</i>	72 <b>≤</b> T.	1		