

**A Level III Cultural Resources Survey of the  
Proposed Overhead Power Line Corridor for Pumping Station 22 in  
Davison, Miner, and Sanborn Counties, South Dakota**

Middle James Archeological Region

SHPO No.:

Prepared by

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## **ABSTRACT**

A Level III cultural resources survey was conducted in the Middle James Archeological Region for East River Electric Power Cooperative, Madison, South Dakota. The proposed project area is located near Mitchell and Roswell, South Dakota. The proposed project involves the installation of a 22-mile-long (35.4 km) overhead power line corridor and an electrical substation. A background records check revealed no previously recorded sites within the project area. Five previous surveys have been conducted within one-mile of the project area. One previous survey has examined a small portion of the proposed project area. Kogel & Stanfill Associates personnel conducted the field survey on May 31 and June 6, 2008 examining a total of approximately 80.3 acres (32.5 hectares). Two historic artifact scatters (39SB78 and 39SB79) and one prehistoric isolated find (39SB77) were recorded during the current survey. These sites are not eligible for inclusion to the National Register of Historic Places. A determination of no historic properties affected is recommended. Cultural resources clearance is recommended for the proposed project.

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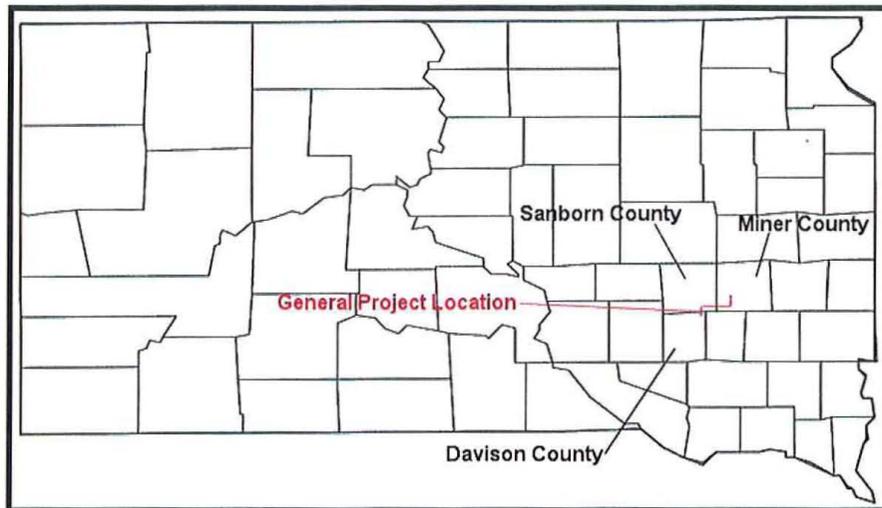
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## INTRODUCTION

### General Project Location

The proposed project is located in southeastern South Dakota (Figure 1) within Davison, Miner, and Sanborn Counties. The project area is in the vicinity of the cities of Howard, Mitchell, and Roswell. The area surveyed is located within the Middle James Archaeological Region as outlined in the South Dakota State Plan for Archaeological Resources (Winham and Hannus 1991). The proposed project is comprised of approximately 22 miles (35.4 km) of power line corridor and an electrical substation. The legal locations of the project area are provided in Table 1. The proposed project area is shown in detail on United States Geological Survey 7.5' quadrangle maps (Appendix A). The maps in Appendix A are keyed to the map in Figure 2.



**Figure 1.** General location of project area within Davison, Miner, and Sanborn Counties, South Dakota.

### Project Description and Environmental Setting

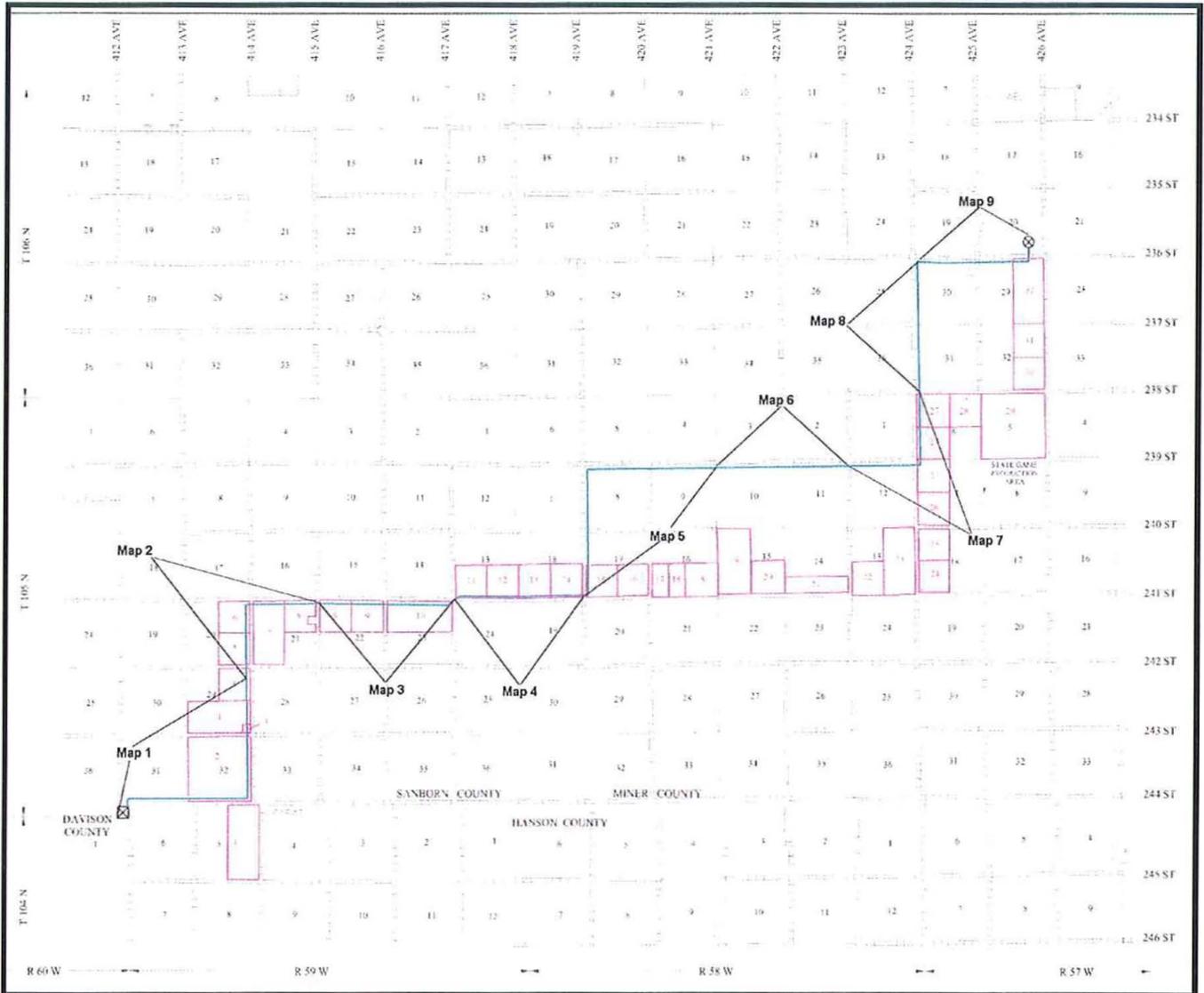
The proposed project will supply power to the Keystone Transmission Line Pumping Station 22. The proposed project involves the installation of a 22-mile-long (35.4 km) overhead power line corridor with a width of 30 feet (9.1 meters) and an electrical substation that measures 90-feet-by-125-feet (27.4 meters-by-38.1-meters) (Appendix A). The power line will be centered over the existing road rights-of-way. The corridor begins in the northeastern corner of Davison County where the power line will connect with an electric substation near the intersection of 244<sup>th</sup> Street and 412<sup>th</sup> Avenue. The power line corridor crosses southeastern Sanborn County and continues into southwestern Miner County. The power line corridor terminates at the proposed electrical substation near the intersection of 236<sup>th</sup> Street and 426<sup>th</sup> Avenue.

South Dakota is comprised of three physiographic regions, the Central Lowland (eastern South Dakota), the Great Plains (western South Dakota), and the Black Hills (Hogan and Fouberg 2001:12). The project area is situated within the James River Lowland physiographic province of South Dakota (Flint 1955). The James River Lowland is a gently rolling plain with

topographic relief of only 10 to 30 feet (3.0 to 9.1 meters) (Hogan and Fouberg 2001:18). The elevation of the project area gradually increases from west to east. The elevation of the project area ranges from a low of approximately 1302 feet (396.8 meters) above sea level (asl) to a high of 1398 feet (426.1 meters) asl.

**Table 1.** Project Area Legal Locations.

<b>Township</b>	<b>Range</b>	<b>Section</b>	<b>1/4, 1/2</b>	<b>County</b>
104N	60W	1	NE 1/4	Davison
105N	59W	31	S 1/2	Sanborn
105N	59W	32	SW 1/4, SE 1/4, NE 1/4	Sanborn
105N	59W	29	E 1/2	Sanborn
105N	59W	20	E 1/2	Sanborn
105N	59W	21	N 1/2	Sanborn
105N	59W	22	N 1/2	Sanborn
105N	59W	23	N 1/2	Sanborn
105N	59W	13	S 1/2	Sanborn
105N	58W	18	S 1/2	Miner
105N	58W	17	W 1/2	Miner
105N	58W	8	SW 1/4, NW 1/4, NE 1/4	Miner
105N	58W	9	N 1/2	Miner
105N	58W	10	N 1/2	Miner
105N	58W	11	N 1/2	Miner
105N	58W	12	N 1/2	Miner
105N	57W	7	NW 1/4	Miner
105N	57W	6	W 1/2	Miner
106N	57W	31	W 1/2	Miner
106N	57W	30	SW 1/4, NW 1/4, NE 1/4	Miner
106N	57W	29	N 1/2	Miner
106N	57W	20	SE 1/4	Miner



**Figure 2.** Location of project area within Davison, Miner, and Sanborn Counties, South Dakota.

The James River is located approximately 1.4 miles (2.3 kilometers) west of the project area. The James River is referred to as the world’s longest non-navigable stream (Hogan and Fouberg 2001:18). Pooley Creek, an intermittent stream, is the only named water source crossed by the project corridor. Several other unnamed, intermittent streams and wetlands are crossed by the project corridor.

According to the Natural Resource Conservation Service’s Web Soil Survey (2008), twenty-four specific soils are mapped within the project area. The following soils are mapped in or near the project area: Arlo clay loam (Ar); Baltic silty clay loam; Carthage-Clarno fine sandy loams (0-2 percent slopes)(CbA); Clarno loam (0-2 percent slopes)(CgA); Clarno-Bonilla loams (0-3 percent slopes)(CfA); Clarno-Bonilla loams (1-6 percent slopes)(CfB); Clarno-Ethan complex (2-6 percent slopes)(CkB); Clarno-Ethan loams (2-6 percent slopes)(CmB); Clarno-Prosper loams (0-2 percent slopes)(CoA); Clarno-Stickney-Tetonka complex (0-2 percent slopes)(CnA); Clarno-Stickney-Tetonka complex (0-6 percent slopes)(CnB); Crossplain-Tetonka

complex (Ct); Delmont loam (0-2 percent slopes)(DbA); Durrstein silt loam (Du or Dh); Enet-Delmont loam (0-4 percent slopes)(EdA); Enet-Delmont loam (2-6 percent slopes)(EdB); Houdek-Stickney loams (0-2 percent slopes)(HsA or HfA); Houdek-Dudley complex (0-2 percent slopes)(HdA); Houdek-Dudley complex (2-6 percent slopes)(HdB); Houdek-Dudley-Tetonka complex (0-6 percent slopes)(HgB); Hoven silt loam (Hk); Tetonka silt loam (Te or Tb); Tetonka-Davison-Clarno complex (0-2 percent slopes)(TcA); Woonsocket fine sandy loam; Worthing silty clay loam (Wo); and Worthing silty clay loam, ponded (Wp).

Cultivation has impacted approximately half of the project area. The remaining half of the project area was in the road ditch. The ground surface visibility ranged from 0 to 100 percent, with an average visibility of 50 percent. At the time of the survey, the project corridor was characterized by corn stubble (40-80 percent visibility), newly planted corn (70-99 percent visibility), soybean stubble (60 percent visibility), recently plowed fields (95-100 percent visibility), pastures (10-20 percent visibility), wetlands (0 percent visibility) and grassy areas/shelterbelts (0-20 percent visibility).

## **RECORDS SEARCH AND BACKGROUND RESEARCH RESULTS**

Troy Kogel and Terri Holts conducted a files search on Friday, May 23, 2008 at the State Archaeological Research Center, Rapid City, South Dakota. No previously recorded sites are located within the proposed project area, but one previously recorded site (39MN16) is located within one mile of the project area. Site 39MN16 was recorded as a Euro-american farmstead and artifact scatter. Four cultural resources surveys (Buechler 2001, 2005; Buechler and Keller 1983; and Littlefield 2003) have been previously conducted within one-mile of the project area. The Buechler (2001) survey has examined portions of the proposed project area in the N1/2 of Section 6, T105N, R57W, the northwest corner of Section 12, T105N, R58W, and the northeast corner of Section 9, T105N, R58W (Appendix A, Map 2).

On May 22, 2008, Atlases and plat maps were consulted at the Center for Western Studies, Augustana College, Sioux Falls, South Dakota and at the Miner County Register of Deeds Office, Howard, South Dakota. Four atlases (Andreas 1884; Ogle 1912; Peterson 1901, 1904 and The Farmer 1917) and five United States Geological Survey 7.5' quadrangles (Bitter Lake 1973, Farwell 1957, Farwell NW 1957, Morris Lake 1973, Roswell 1972) were checked for potential historic structures. The Ogle atlas (1912) and the USGS Farwell quadrangle (1957) depict a domestic structure and associated out building in the southwest corner of Section 31, T105N, R59W. Another domestic structure and associated out building is depicted in the NE1/4 of Section 32, T105N, Range 59W (USGS Farwell 1957 and Ogle 1912). Both of these locations yielded historic artifact scatters. The two artifact scatters were recorded as historic archaeology sites and are discussed further as sites 39SB78 and 39SB79 below.

## **FIELDWORK**

Kurt Donelan of East River Electric Power Cooperative provided project area maps on April 23, 2008 and provided supplemental information on May 20, 2008 and June 2, 2008. Kogel and Stanfill Associates personnel conducted a Level III cultural resources survey on Saturday,

May 31, and Saturday, June 6, 2008. Troy Kogel served as Principal Investigator; Alan Stanfill served as Field Director; and Emily Stanfill served as a Field Archaeologist.

The proposed power line corridor was examined by conducting a 100% pedestrian ground survey (Appendix A). A single pedestrian transect examined a 30-foot-wide (9.1 meters) right-of-way. The pedestrian survey resulted in the location of two new historic sites (39SB78 and 39SB79) and one new prehistoric site (39SB77).

## **Site Descriptions**

### **Site 39SB77 (Figures 3-6, Map 7 in Appendix A)**

Site 39SB77 (Figure 3) was recorded as a prehistoric isolated find. The isolated find was a nearly complete projectile point (Figure 4). The projectile point was observed in the cultivated field along the 241<sup>st</sup> Street right-of-way. Additional pedestrian transects in the vicinity of the projectile point yielded no additional cultural items.

The cross-section of the point is biconvex and it is diagonally notched forming barbed shoulders. The point was made from an orangish-brown chert. The base is straight and the left and right lateral body edges are convex. The point tip and the right barb are broken. The projectile point is similar in morphology to other points associated with the Pelican Lake culture of the Archaic Tradition. The projectile point is similar to Pelican Lake points describe by Perino (1971) and depicted in Frison (1998: Figure 5.6). At the Head-Smashed-In bison jump, Pelican Lake points have been dated to 3040 to 1925 years ago (Reeves 1978: 162). According to Frison (1998: 164), the Pelican Lake culture was widespread, covering a long period of time, and the people lived an Archaic life way.

Two shovel tests (Figure 3) were excavated to determine the vertical extent of the site. Shovel Test 1 was placed 10 meters (32.8 feet) east of the projectile point, while Shovel Test 2 was placed 10 meters (32.8 feet) west of the projectile point. Both shovel tests (Figures 5-6) yielded similar profiles, a very dark grayish brown topsoil (ca. 0-17 centimeters below surface (cmbs)/0-7 inches) was underlain by a grayish brown subsoil (ca. 17-32 cmbs/7-12.6 inches), followed by a gravel horizon that extended to the bottom of the shovel tests. Soil from the shovel tests was passed through a 1/4" (0.64 cm) hardware mesh. No artifacts were recovered from the shovel tests.

The National Register of Historic Places eligibility status of this site would be considered under Criterion D, that is, having yielded, or having the potential to yield, information important in prehistory or history. Site 39SB77, an isolated find, is by definition not eligible for nomination to the National Register of Historic Places. The site does not appear to have the potential of yielding more information than is already known. No further work is recommended at Site 39SB77.



**Figure 3.** Overview of Site 39SB77. Flag in the foreground depicts the location of Shovel Test 1. The crew member depicts the location of Shovel Test 2, view to the east (Photograph taken by Troy Kogel on June 6, 2008).



**Figure 4.** Projectile point from Site 39SB77, the quarter is for scale (Photograph taken by Troy Kogel on May 31, 2008).



**Figure 5.** Profile of Shovel Test 1 excavated at Site 39SB77 (Photograph taken by Troy Kogel on June 6, 2008).



**Figure 6.** Profile of Shovel Test 2 excavated at Site 39SB77 (Photograph taken by Troy Kogel on June 6, 2008).

### **Site 39SB78 (Figures 7-9, Map 8 in Appendix A)**

Site 39SB78 is a historic artifact scatter associated with a former farmstead. The site was observed along the 414<sup>th</sup> Avenue right-of-way. The following items were observed: a shotgun shell, cloth, wood, plastic tubing, concrete fragments, an engine piston, a spark plug cable, aluminum fragments, green container glass fragments, stoneware fragments, whiteware fragments, clear container glass fragments, clear flat glass fragments, drain tile fragments, rusted metal fragments. No features or foundation remnants were observed during the survey.

A domestic structure and an associated outbuilding appears in this location on the USGS Farwell Quadrangle (1957, photoinspected 1974). A structure is depicted near this location on the Ogle atlas (1912). Any structures associated with this site have been destroyed. According to Jim Huck, a local landowner, the structures were razed approximately five to seven years ago.

Two shovel tests (Figures 8-9) were excavated to determine the vertical extent of the site. Shovel Test 1 yielded a grayish-brown loam mottled with yellowish-brown loamy clay (0-29 cmbs/0-11.4 inches) overlying a dark grayish brown loam mottled with a grayish-brown loam (29-54 cmbs/11.4-21.3 inches). Shovel Test 2 yielded a grayish-brown loam (0-10 cmbs/3.9 inches) overlying a yellowish-brown loamy clay mottled with black loam (10-50 cmbs/3.9-19.7 inches). Soil from the shovel test was passed through a 1/4" (0.64 cm) hardware mesh. No artifacts were recovered from the shovel tests. The site appears to be confined at or near the ground surface.

The National Register of Historic Places eligibility status of this site would be considered under Criterion D, that is, having yielded, or having the potential to yield, information important in prehistory or history. Site 39SB78 is not recommended for nomination to the National Register of Historic Places. The site does not appear to have the potential of yielding more information than is already known. No further work is recommended at Site 39SB78.



**Figure 7.** Overview of Site 39SB78, view to the north (Photograph taken by Troy Kogel on June 6, 2008).



**Figure 8.** Profile of Shovel Test 1 excavated at Site 39SB78 (Photograph taken by Troy Kogel on June 6, 2008).



**Figure 9.** Profile of Shovel Test 2 excavated at Site 39SB78 (Photograph taken by Troy Kogel on June 6, 2008).

#### **Site 39SB79 (Figures 10-11, Map 8 in Appendix A)**

Site 39SB79 was recorded as a historic artifact scatter. The site was observed along the 244<sup>th</sup> Street right-of-way. The following items were observed: aluminum can top, whiteware fragments, clear container glass fragments, clear flat glass fragments, drain tile fragments, an iron pipe, and metal fragments. No features or foundation remnants were observed during the survey.

Shovel Test 1 was excavated to determine the vertical extent of the site. The shovel test yielded a soil profile of a dark grayish brown clayey-loam (0-21 cmbs/8.3 inches) overlying a grayish-brown loam (21-36 cmbs/8.3-14.2 inches). At a depth of 36-49 cmbs/14.2-19.3 inches water began seeping into the shovel test. Soil from the shovel test was passed through a 1/4" (0.64 cm) hardware mesh. No artifacts were recovered from Shovel Test 1. The site appears to be confined at or near the ground surface.

A structure is depicted at this location on the Ogle atlas (1912). A domestic structure and an associated outbuilding appears in this location on the USGS Farwell Quadrangle (1957, photoinspected 1974). Any structures associated with this site have been destroyed.

The National Register of Historic Places eligibility status of this site would be considered under Criterion D, that is, having yielded, or having the potential to yield, information important in prehistory or history. Any structures associated with this site have been destroyed. Site 39SB79 is not recommended for nomination to the National Register of Historic Places. The site does not appear to have the potential of yielding more information than is already known. No further work is recommended at Site 39SB79.



**Figure 10.** Overview of Site 39SB79, view to the east (Photograph taken by Troy Kogel on June 6, 2008).



**Figure 11.** Profile of Shovel Test 1 excavated at Site 39SB79 (Photograph taken by Troy Kogel on June 6, 2008).

## **SUMMARY AND RECOMMENDATIONS**

In summary, a total of approximately 80.3 acres were surveyed in Davison, Miner, and Sanborn Counties, South Dakota, in anticipation of a new overhead power line and electrical substation for the Keystone Transmission Line Pumping Station 22. One new prehistoric site and two historic sites were identified during the survey. None of the new sites (39SB77, 39SB78, and 39SB79) are considered eligible for the National Register of Historic Places. A finding of *No Historic Properties Affected* is recommended for Sites 39SB77, 39SB78, and 39SB79. The proposed project should proceed as planned. However, if the proposed work uncovers items that might be of archeological, historical or architectural interest, the State Historic Preservation Office of South Dakota should be contacted.

## **STATE PLANNING**

This report contributes positive information to the archaeological database for the Lower James archaeological region. The survey resulted in the identification of one prehistoric site (39BS77) and two historic sites (39BS78 and 39BS79).

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1957 Farwell 7.5' quadrangle, Photoinspected 1974. United States Geological Survey, Washington, D.C.

1957 Farwell NW 7.5' quadrangle. United States Geological Survey, Washington, D.C.

1973 Morris Lake 7.5' quadrangle. United States Geological Survey, Washington, D.C.

1972 Roswell 7.5' quadrangle. United States Geological Survey, Washington, D.C.

Web Soil Survey

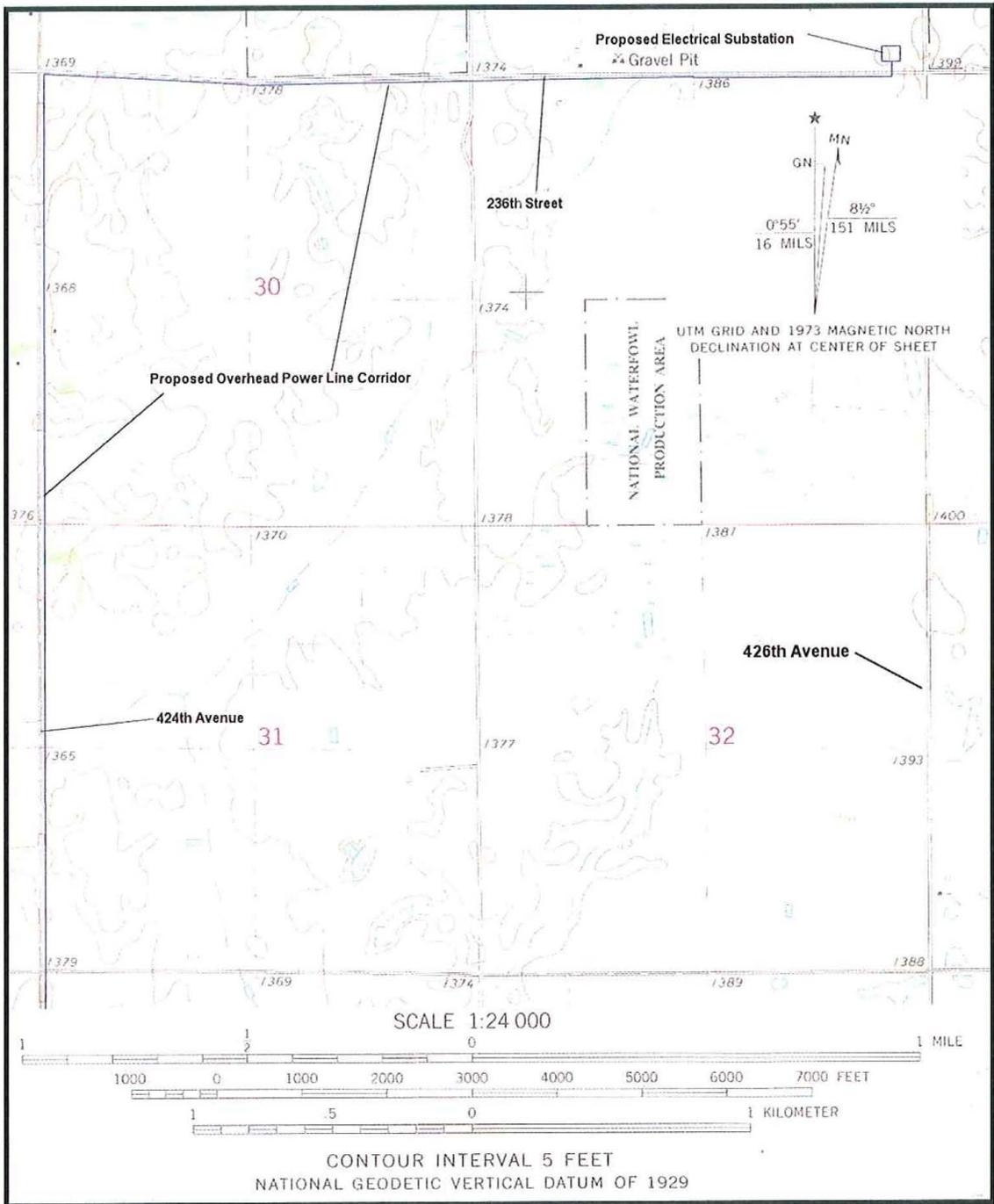
2008 Natural Resource Conservation Service's website is available at:  
<http://websoilsurvey.nrcs.usda.gov/app/>

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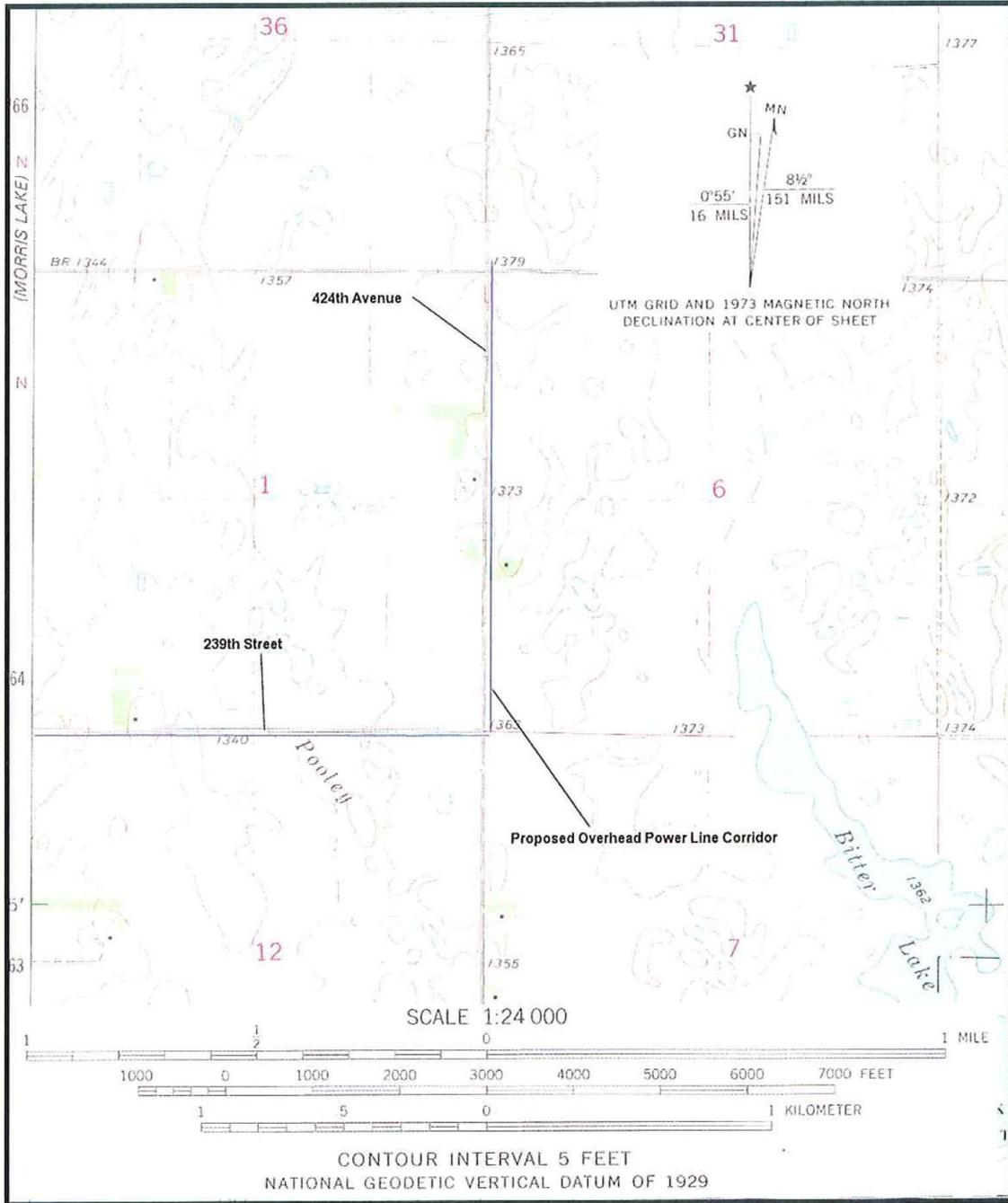
1991 *South Dakota State Plan for Archaeological Resources: Introduction and Overview to Historic Contexts and Archaeological Management Regions for Research Planning*. South Dakota Archaeological Research Center, Rapid City, South Dakota.

## **APPENDIX A**

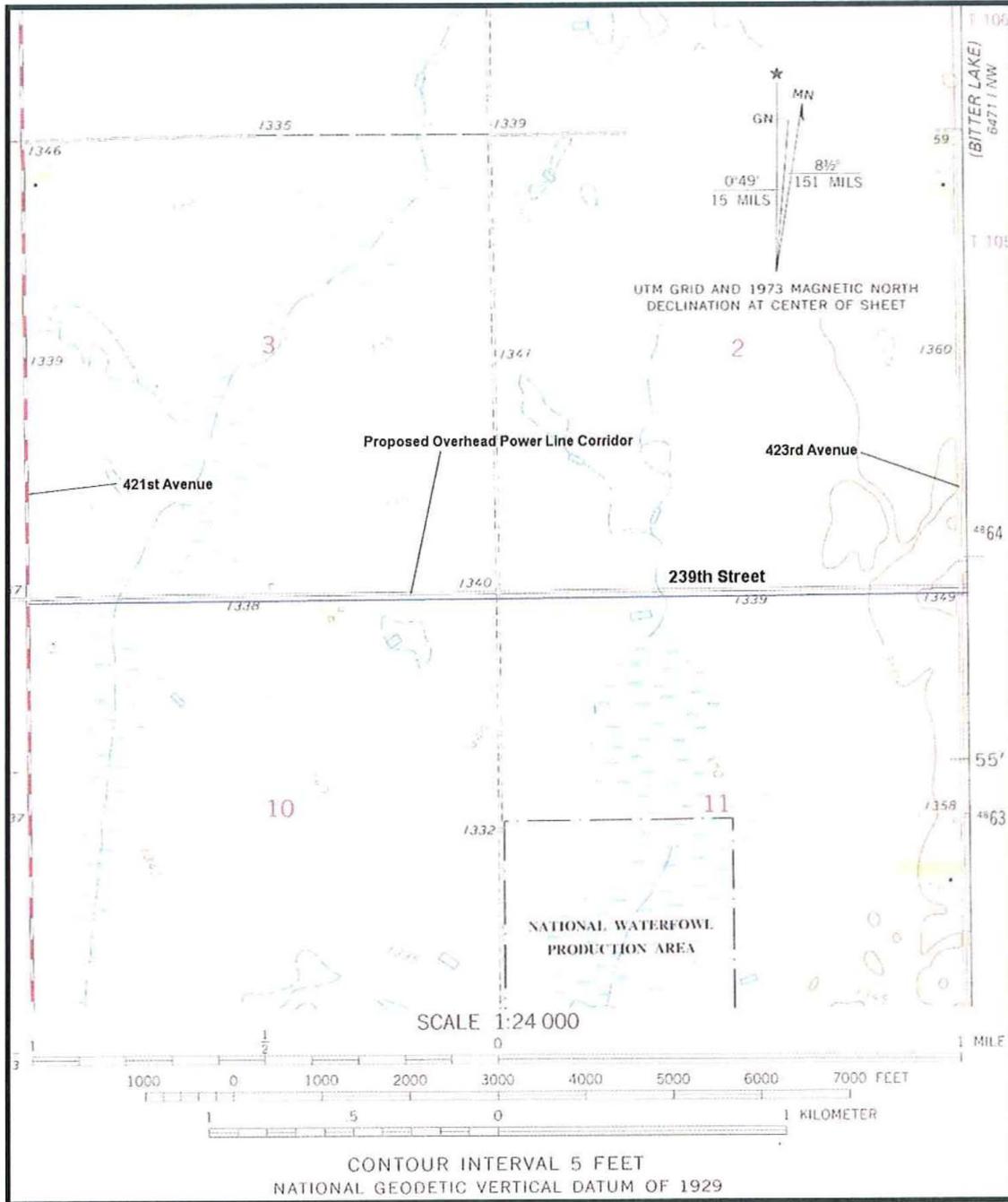
### **Project Areas and Sites Shown on 7.5' USGS Quadrangle Maps**



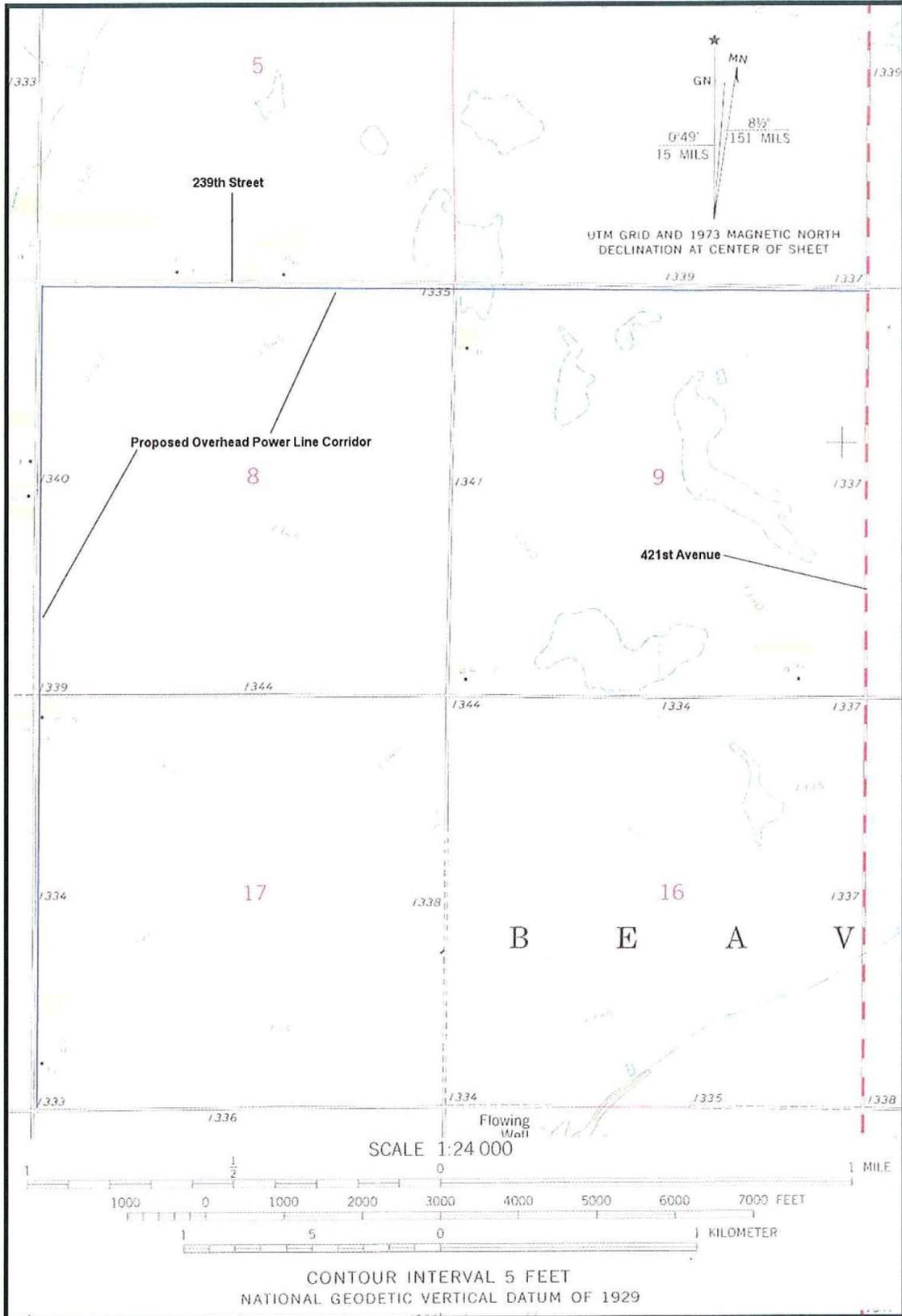
**Map 1**



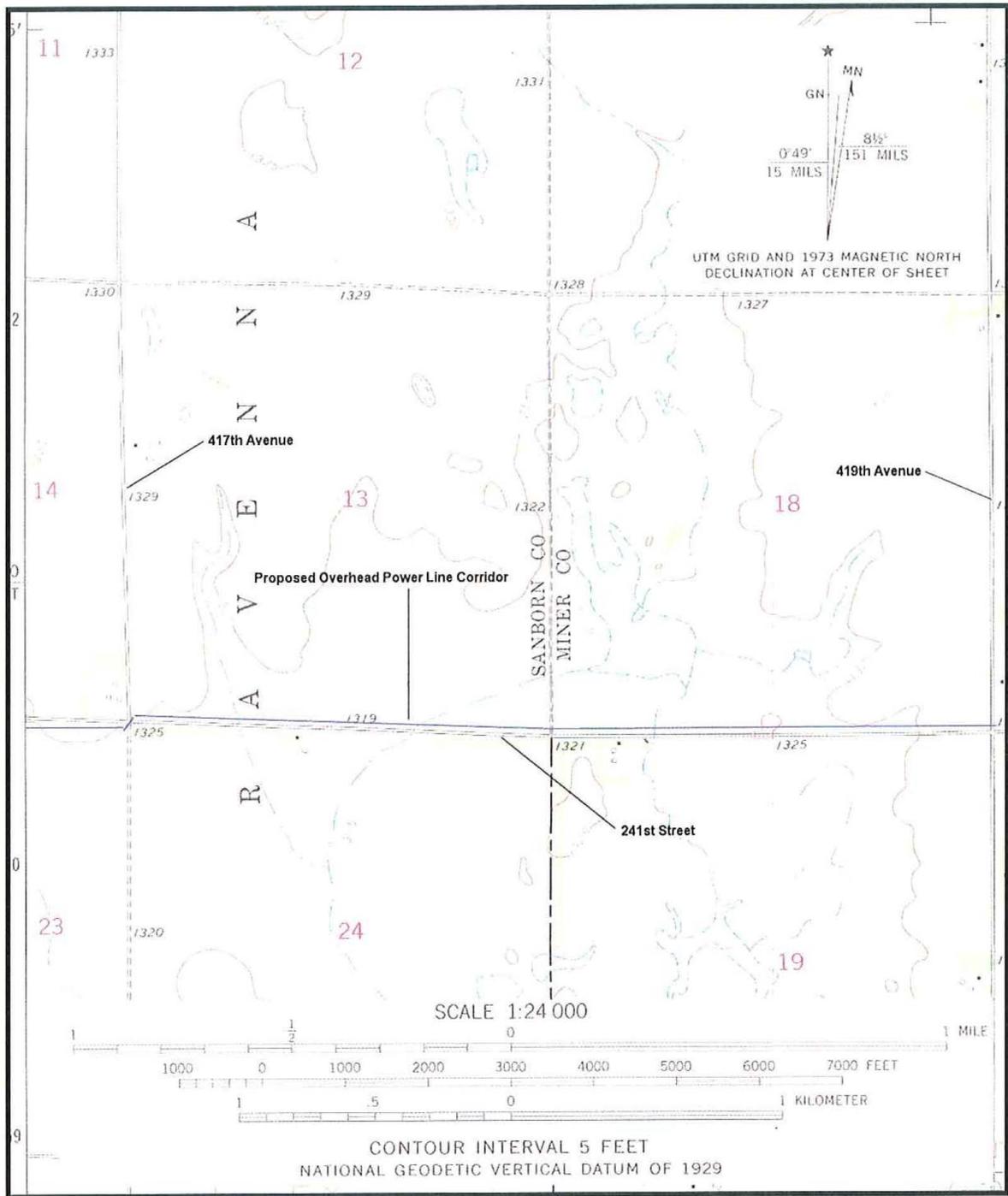
**Map 2**



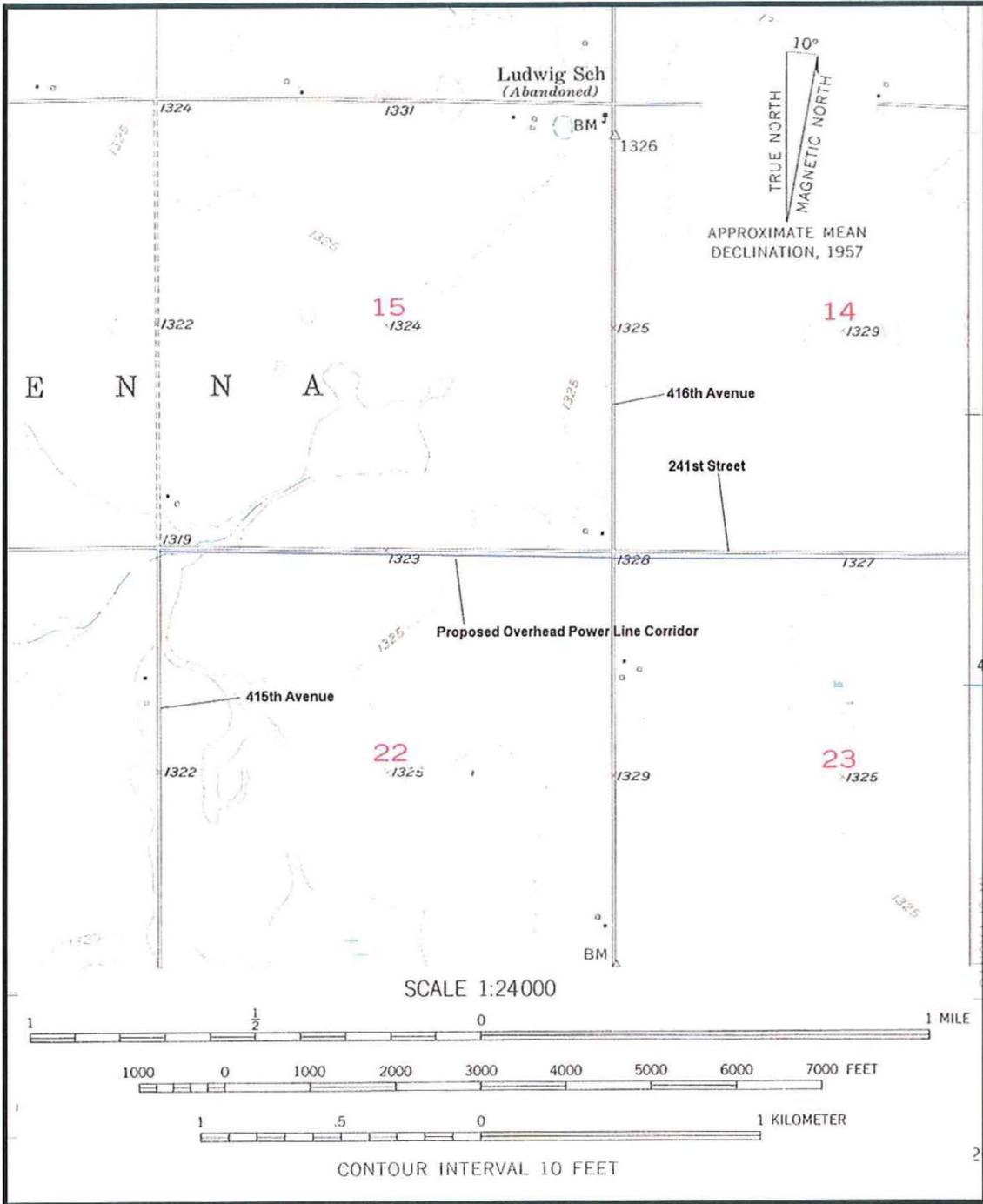
**Map 3**



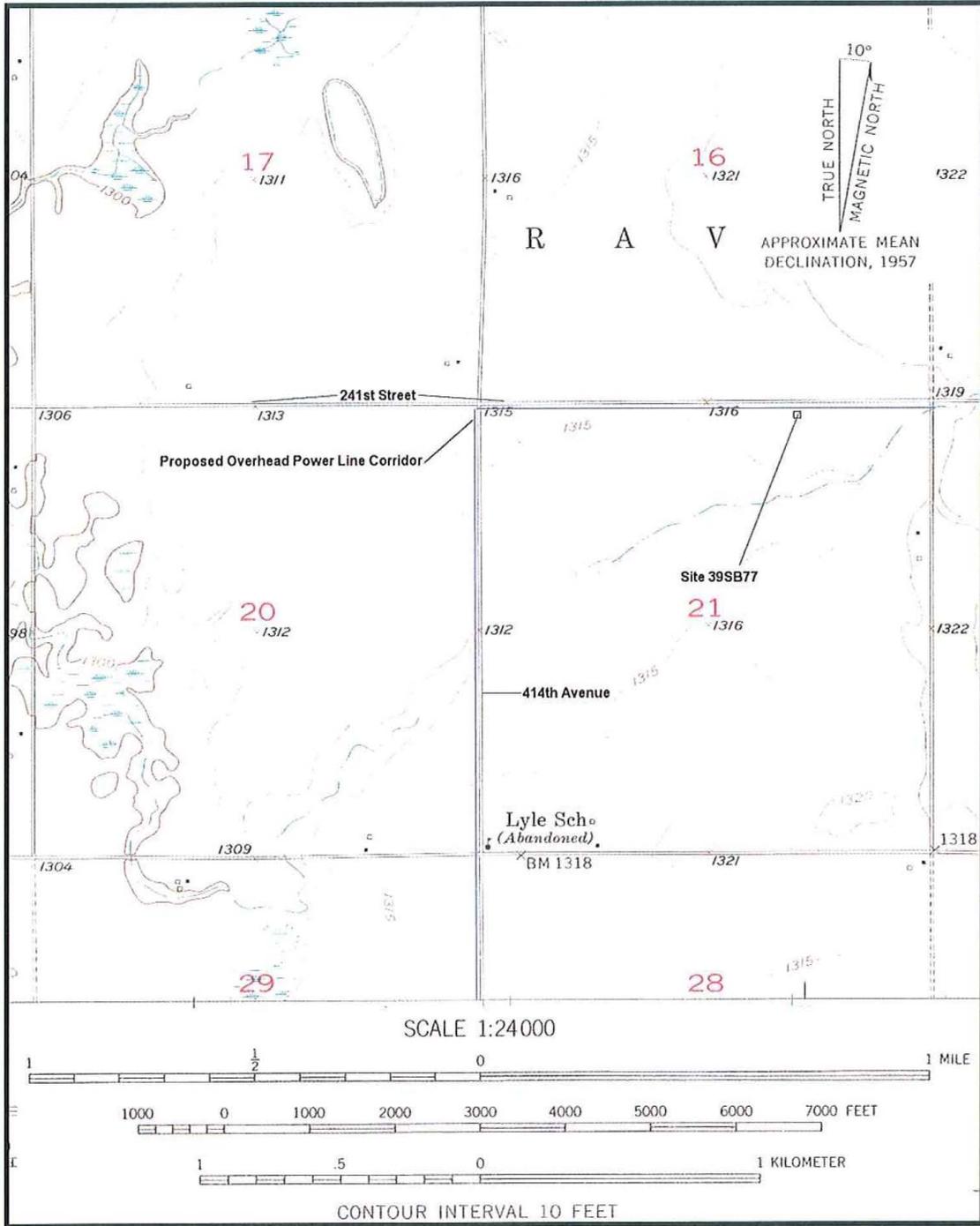
**Map 4**



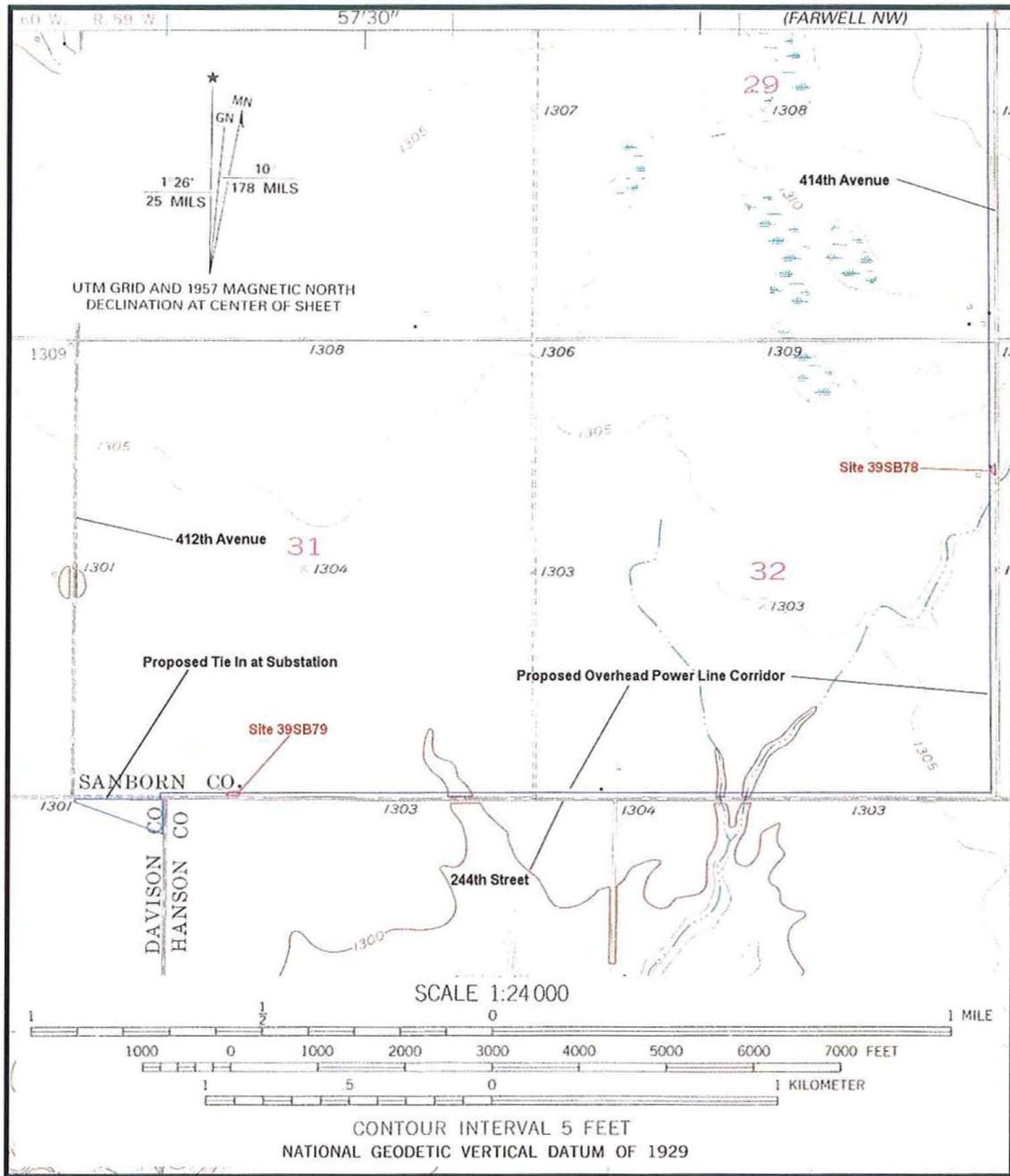
**Map 5**



**Map 6**



**Map 7**



**Map 8**

**APPENDIX B**

**SITE FORMS (39SB77, 39SB78, and 39SB79)**

## SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39SB77

<b>County</b> <span style="border: 1px solid black; padding: 2px;">Sanborn</span>	<b>Site Name</b> <span style="border: 1px solid black; padding: 2px;"></span>
<b>Other No</b> <span style="border: 1px solid black; padding: 2px;">Field Site 1</span>	<b>NR Status</b> <span style="border: 1px solid black; padding: 2px;">Not Eligible</span>
<b>Map Reference</b> <span style="border: 1px solid black; padding: 2px;">Farwell NW</span>	<b>Owner</b> <span style="border: 1px solid black; padding: 2px;">Private</span>
<b>Arch. Region</b> <span style="border: 1px solid black; padding: 2px;">Middle James</span>	<b>Topo pos</b> <span style="border: 1px solid black; padding: 2px;">Flat Plain</span>
<b>Vegetation</b> <span style="border: 1px solid black; padding: 2px;">Cropland</span>	<b>Substrate</b> <span style="border: 1px solid black; padding: 2px;">Drift</span>
<b>UTM Zone</b> <span style="border: 1px solid black; padding: 2px;">14</span> / <span style="border: 1px solid black; padding: 2px;">587125</span> <b>E/</b> <span style="border: 1px solid black; padding: 2px;">4860679</span> <b>N</b>	<b>Land Use</b> <span style="border: 1px solid black; padding: 2px;">Cultivated</span>
<b>Surf. visibility</b> <span style="border: 1px solid black; padding: 2px;">90</span> %	<b>Site elevation</b> <span style="border: 1px solid black; padding: 2px;">401</span> m
<b>Condition</b> <span style="border: 1px solid black; padding: 2px;">Disturbed</span>	
<b>Site Dim. N-S</b> <span style="border: 1px solid black; padding: 2px;">1</span> <b>E-W</b> <span style="border: 1px solid black; padding: 2px;">1</span> m	<b>Area</b> <span style="border: 1px solid black; padding: 2px;">0.0001</span> ha
<b>Depth</b> <span style="border: 1px solid black; padding: 2px;">1</span> cm	
<b>Nearest Water Type</b> <span style="border: 1px solid black; padding: 2px;">Intermittent Stream</span>	<b>Name</b> <span style="border: 1px solid black; padding: 2px;">Unnamed</span>
<b>Distance</b> <span style="border: 1px solid black; padding: 2px;">250</span> m	<b>Elevation</b> <span style="border: 1px solid black; padding: 2px;">402</span> m
<b>Direction</b> <span style="border: 1px solid black; padding: 2px;">S</span>	<b>Bank</b> <span style="border: 1px solid black; padding: 2px;">L</span>

### LOCATIONS

Legal Locations	Section	Twp	Rg
NW1/4, NE1/4	21	105N	59W

### COMPONENTS

Site Type	Time Period	Cultural Affiliation
Isolated find	1500 B.C. – A.D. 900	Native American

### COMMENTS

**Comments/site description (i.e. artifacts/features observed)** One culturally diagnostic projectile point was observed in a freshly planted corn field. No features or other artifacts were observed. The projectile point is similar in morphology to Pelican Lake projectile points. No other artifacts or features were observed.

**Evaluation/collection methods** Two shovel tests were excavated. One shovel test was placed 10 meters east of the projectile point, while the second shovel test was placed 10 meters west of the projectile point. The projectile point was analyzed and documented in the field. No artifacts were recovered from either shovel test. The point was not collected.

**Owner name/address/attitude** Unknown/unknown

**Name** Troy Kogel and Emily Stanfill **Date** June 7, 2008

**Project** East River Electric Power Cooperative's Pumping Station 22

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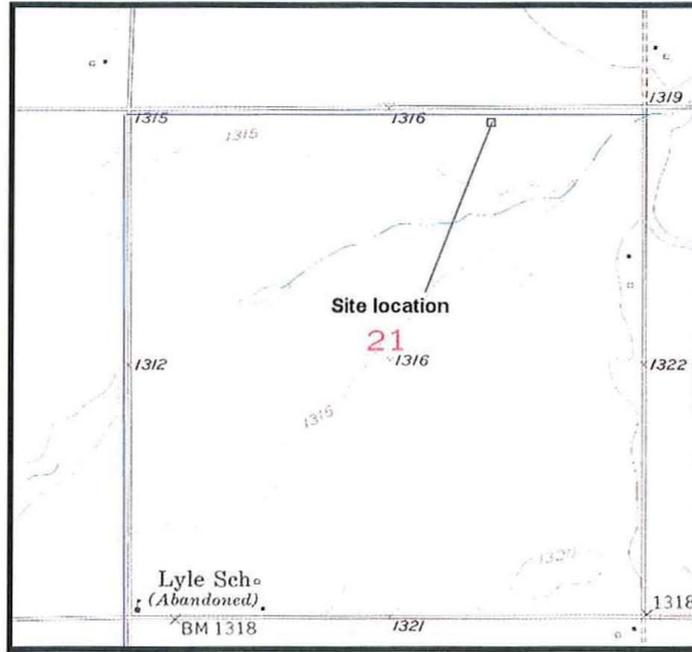
SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39SB77

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SITE MAP



Site location shown on 7.5' USGS Farwell NW quadrangle map (1957).

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Projectile point observed at site. The quarter is for scale.

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## SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39SB78

<b>County</b>	<span style="border: 1px solid black; padding: 2px;">Sanborn</span>	<b>Site Name</b>	<span style="border: 1px solid black; padding: 2px;"></span>
<b>Other No</b>	<span style="border: 1px solid black; padding: 2px;">Field Site 2</span>	<b>NR Status</b>	<span style="border: 1px solid black; padding: 2px;">Not eligible</span>
<b>Map Reference</b>	<span style="border: 1px solid black; padding: 2px;">Farwell</span>	<b>Owner</b>	<span style="border: 1px solid black; padding: 2px;">Private</span>
<b>Arch. Region</b>	<span style="border: 1px solid black; padding: 2px;">Middle James</span>	<b>Topo pos</b>	<span style="border: 1px solid black; padding: 2px;">Flat Plain</span>
<b>Vegetation</b>	<span style="border: 1px solid black; padding: 2px;">Cropland</span>	<b>Substrate</b>	<span style="border: 1px solid black; padding: 2px;">Drift</span>
<b>UTM Zone</b>	<span style="border: 1px solid black; padding: 2px;">14</span> / <span style="border: 1px solid black; padding: 2px;">585868</span> <b>E/</b> <span style="border: 1px solid black; padding: 2px;">4856988</span> <b>N</b>	<b>Land Use</b>	<span style="border: 1px solid black; padding: 2px;">Cultivated</span>
<b>Surf. visibility</b>	<span style="border: 1px solid black; padding: 2px;">90</span> %	<b>Site elevation</b>	<span style="border: 1px solid black; padding: 2px;">398</span> m
<b>Condition</b>	<span style="border: 1px solid black; padding: 2px;">Disturbed</span>		
<b>Site Dim. N-S</b>	<span style="border: 1px solid black; padding: 2px;">49</span> <b>E-W</b> <span style="border: 1px solid black; padding: 2px;">33</span> m	<b>Area</b>	<span style="border: 1px solid black; padding: 2px;">0.16</span> ha
<b>Depth</b>	<span style="border: 1px solid black; padding: 2px;">1</span> cm		
<b>Nearest Water Type</b>	<span style="border: 1px solid black; padding: 2px;">Intermittent Stream</span>	<b>Name</b>	<span style="border: 1px solid black; padding: 2px;">Unnamed</span>
<b>Distance</b>	<span style="border: 1px solid black; padding: 2px;">70</span> m	<b>Elevation</b>	<span style="border: 1px solid black; padding: 2px;">397</span> m
<b>Direction</b>	<span style="border: 1px solid black; padding: 2px;">S</span>	<b>Bank</b>	<span style="border: 1px solid black; padding: 2px;">R</span>

### LOCATIONS

Legal Locations	Section	Twp	Rg
<span style="border: 1px solid black; padding: 2px;">NE1/4, NW1/4</span>	<span style="border: 1px solid black; padding: 2px;">32</span>	<span style="border: 1px solid black; padding: 2px;">105N</span>	<span style="border: 1px solid black; padding: 2px;">59W</span>
<span style="border: 1px solid black; padding: 2px;"></span>	<span style="border: 1px solid black; padding: 2px;"></span>	<span style="border: 1px solid black; padding: 2px;"></span>	<span style="border: 1px solid black; padding: 2px;"></span>
<span style="border: 1px solid black; padding: 2px;"></span>	<span style="border: 1px solid black; padding: 2px;"></span>	<span style="border: 1px solid black; padding: 2px;"></span>	<span style="border: 1px solid black; padding: 2px;"></span>

### COMPONENTS

Site Type	Time Period	Cultural Affiliation
<span style="border: 1px solid black; padding: 2px;">Artifact Scatter</span>	<span style="border: 1px solid black; padding: 2px;">A.D. 1861 -</span>	<span style="border: 1px solid black; padding: 2px;">Euro-american</span>
<span style="border: 1px solid black; padding: 2px;"></span>	<span style="border: 1px solid black; padding: 2px;"></span>	<span style="border: 1px solid black; padding: 2px;"></span>

### COMMENTS

**Comments/site description (i.e. artifacts/features observed)** Historic artifacts were observed on the ground surface. No foundations or other features were observed at this site. See the continuation page for a list of artifacts observed during the pedestrian survey.

**Evaluation/collection methods** A pedestrian survey was conducted to determine the distribution of artifacts on the ground surface. Two shovel tests were excavated to determine the soil profile and test the site for the likelihood of buried features. No artifacts were collected from the site.

**Owner name/address/attitude** Unknown/unknown

**Name** Troy Kogel and Emily Stanfill **Date** June 7, 2008

**Project** East River Electric Power Cooperative's Pumping Station 22

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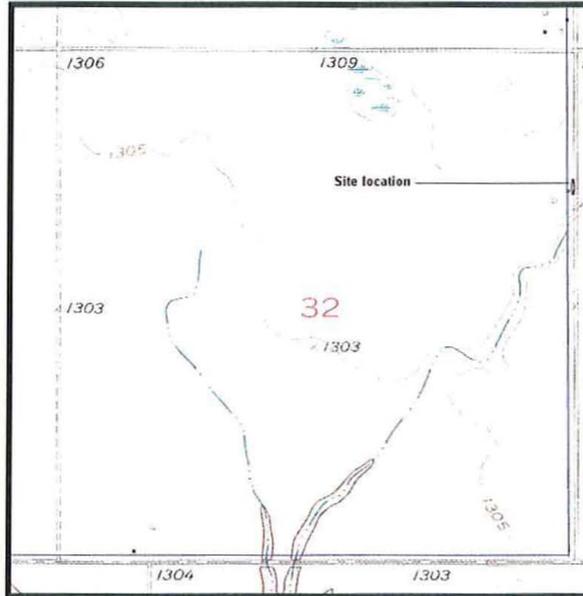
**SD STATE ARCHAEOLOGICAL RESEARCH CENTER**

Site No 39SB78

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**SITE LOCATION**



Site location shown on 7.5' USGS Farwell quadrangle map (1957, photoinspected 1974).

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## SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39SB79

<b>County</b> <span style="border: 1px solid black; padding: 2px;">Sanborn</span>	<b>Site Name</b> <span style="border: 1px solid black; padding: 2px;"></span>
<b>Other No</b> <span style="border: 1px solid black; padding: 2px;">Field Site 3</span>	<b>NR Status</b> <span style="border: 1px solid black; padding: 2px;">Not eligible</span>
<b>Map Reference</b> <span style="border: 1px solid black; padding: 2px;">Farwell</span>	<b>Owner</b> <span style="border: 1px solid black; padding: 2px;">Private</span>
<b>Arch. Region</b> <span style="border: 1px solid black; padding: 2px;">Middle James</span>	<b>Topo pos</b> <span style="border: 1px solid black; padding: 2px;">Flat Plain</span>
<b>Vegetation</b> <span style="border: 1px solid black; padding: 2px;">Cropland</span>	<b>Substrate</b> <span style="border: 1px solid black; padding: 2px;">Drift</span>
<b>UTM Zone</b> <span style="border: 1px solid black; padding: 2px;">14</span> / <span style="border: 1px solid black; padding: 2px;">583225</span> <b>E/</b> <span style="border: 1px solid black; padding: 2px;">4855823</span> <b>N</b>	<b>Land Use</b> <span style="border: 1px solid black; padding: 2px;">Cultivated</span>
<b>Surf. visibility</b> <span style="border: 1px solid black; padding: 2px;">90</span> %	<b>Site elevation</b> <span style="border: 1px solid black; padding: 2px;">397</span> m
<b>Condition</b> <span style="border: 1px solid black; padding: 2px;">Disturbed</span>	
<b>Site Dim. N-S</b> <span style="border: 1px solid black; padding: 2px;">15</span> <b>E-W</b> <span style="border: 1px solid black; padding: 2px;">69</span> m	<b>Area</b> <span style="border: 1px solid black; padding: 2px;">0.10</span> ha
<b>Depth</b> <span style="border: 1px solid black; padding: 2px;">1</span> cm	
<b>Nearest Water Type</b> <span style="border: 1px solid black; padding: 2px;">Intermittent Stream</span>	<b>Name</b> <span style="border: 1px solid black; padding: 2px;">Unnamed</span>
<b>Distance</b> <span style="border: 1px solid black; padding: 2px;">1600</span> m	<b>Elevation</b> <span style="border: 1px solid black; padding: 2px;">396</span> m
<b>Direction</b> <span style="border: 1px solid black; padding: 2px;">E</span>	<b>Bank</b> <span style="border: 1px solid black; padding: 2px;">R</span>

### LOCATIONS

Legal Locations	Section	Twp	Rg
SE1/4, SW1/4	31	105N	59W

### COMPONENTS

Site Type	Time Period	Cultural Affiliation
Artifact Scatter	A.D. 1861 -	Euro-american

### COMMENTS

**Comments/site description (i.e. artifacts/features observed)** Historic artifacts were observed on

the ground surface. No foundations or other features were observed at this site. See the continuation page for a list of artifacts observed during the pedestrian survey.

**Evaluation/collection methods** One shovel tests was excavated. No artifacts were recovered from the shovel test. No artifacts were collected from the site.

**Owner name/address/attitude** Unknown/unknown

**Name** Troy Kogel and Emily Stanfill **Date** June 7, 2008

**Project** East River Electric Power Cooperative's Pumping Station 22

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**SD STATE ARCHAEOLOGICAL RESEARCH CENTER**

Site No 39SB79

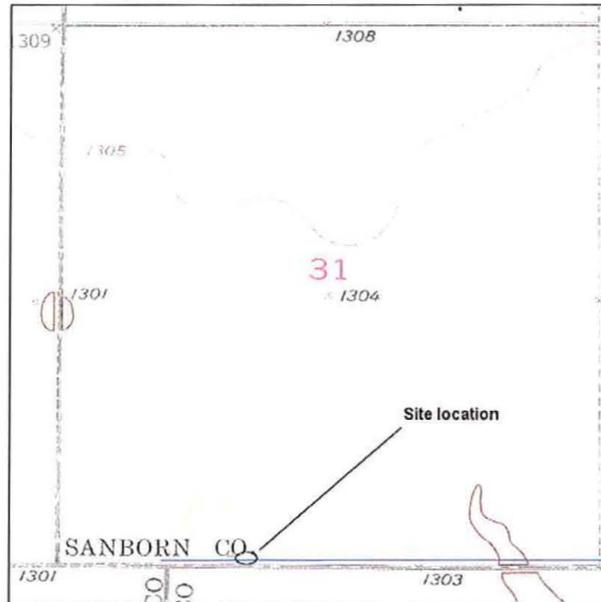
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**SITE LOCATION**

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Site location shown on 7.5' USGS Farwell quadrangle map (1957, photoinspected 1974)



**APPENDIX C**

**NADB FORM**

Database Doc Number: \_\_\_\_\_

NATIONAL ARCHAEOLOGICAL DATABASE - REPORTS: DATA ENTRY FORM

1. R and C # \_\_\_\_\_  
2. Authors: Kogel, Troy

Year of Publication 2008

3. Title: A Level III Cultural Resources Survey of the Proposed Overhead Power Line Corridor  
For Pumping Station 22 in Davison, Miner, and Sanborn Counties, South Dakota

4. Report Title: \_\_\_\_\_  
Volume #: \_\_\_\_\_ Report #: \_\_\_\_\_ NTIS: \_\_\_\_\_  
Publisher: \_\_\_\_\_  
Place: \_\_\_\_\_

5. Unpublished  
Sent From: Kogel & Stanfill Associates, 1818 West 26<sup>th</sup> Street, Sioux Falls, SD 57105  
Sent To: East River Electric Power Cooperative, 121 SE 1<sup>st</sup> Street, Madison, SD 57042  
Contract #: \_\_\_\_\_

6. Federal Agency: \_\_\_\_\_

7. State: SD SD SD \_\_\_\_\_  
County: Miner Davison Sanborn \_\_\_\_\_  
Town: \_\_\_\_\_

8. Work Type 31 \_\_\_\_\_

9. Keyword: 0 - Types of Resources/Features 1 - Generic Terms/Research Questions  
2 - Taxonomic Names 3 - Artifact Types/Material Classes  
4 - Geographic Names/Locations 5 - Time Periods  
6 - Project Names/Study Unit 7 - Other Key Words  
80.3 acres [ 7 ] Pelican Lake [ 3 ]  
Miner County [ 4 ] Davison County [ 4 ]  
Sanborn County [ 4 ] 39SB77 [ 0 ]  
Middle James Arch. Region [ 6 ] 39SB78 [ 0 ]  
Archaic Tradition [ 5 ] 39SB79 [ 0 ]

10. UTM Zone: 14 Easting: 587125 Northing: 4860679  
14 585868 4856988  
14 583225 4855823

11. Township: 104N 105N 105N \_\_\_\_\_  
Range: 60W 59W 58W \_\_\_\_\_

Other Publication Types:

12. Monograph:

Name: \_\_\_\_\_  
Place: \_\_\_\_\_

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13. Chapter: In: \_\_\_\_\_ First: \_\_\_\_\_ Last: \_\_\_\_\_

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14. Journal: Volume: \_\_\_\_\_ Issue: \_\_\_\_\_ First: \_\_\_\_\_ Last: \_\_\_\_\_

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15. Dissertation: Degree: Ph.D. LL.D. M.A. M.S. B.A. B.S. Institute: \_\_\_\_\_

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16. Paper: Meeting: \_\_\_\_\_  
Place: \_\_\_\_\_ Date: \_\_\_\_\_

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17. Other  
Reference Line: \_\_\_\_\_

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18. Site #: 39SB77 39SB78 39SB79 \_\_\_\_\_  
\_\_\_\_\_

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19. Quad Map: Name Farwell Date: 1957 rev. 1974  
Farwell NW 1957  
Bitter Lake 1973  
Roswell 1972  
Morris Lake 1973  
\_\_\_\_\_

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