

## MANUSCRIPT DATA RECORD FORM

1. Manuscript Number: 103I0979
2. SHPO Reference # :
3. Author(s): Holven, Adam C.
4. Title: Class II Historical Architecture Reconnaissance Survey  
Oliver III Wind Energy Center  
Morton County, North Dakota
5. Report Date: January 10, 2012
6. Number of Pages: 105
7. Type: I (Class 2 CRI)
8. Acres:
9. Legal Location(s)(no quarter sections) with Historic Context Study Unit(s):

County: **Morton**  
Township: **T140N**  
Range: **R83W**  
Section: **3, 9, 10, 11, 14, 15, 23-25, 34**  
Historic Context Study Unit: **HR**

County: **Morton**  
Township: **T139N**  
Range: **R83W**  
Section: **2**  
Historic Context Study Unit: **HR**

**CLASS II HISTORICAL ARCHITECTURE  
RECONNAISSANCE SURVEY**

**OLIVER III WIND ENERGY CENTER  
MORTON COUNTY, NORTH DAKOTA**



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**January 10, 2012**

## MANAGEMENT SUMMARY

This report presents the findings of a Class II historical architecture reconnaissance survey for the 48 megawatt (MW) Oliver III Wind Energy Center (the Project) located 18 miles (mi) northwest of Bismarck, in Morton County, North Dakota. Work was performed by Tetra Tech under contract to NextEra Energy Resources, LLC (NextEra). The Project includes the construction of 30 1.6-MW General Electric (GE) turbines (plus 4 alternates), associated access and service roads, electrical collection system, and substation. The Oliver III Wind Energy Center will connect to the Square Butte substation east of Nelson Lake in the southeast quarter of Section 33, Township 142 North, Range 83 West via the proposed 9.2-mi Oliver III Transmission Line.

The Project requires a Certificate of Site Compatibility from the North Dakota Public Service Commission (PSC); therefore, the Project is subject to review by the State Historical Society of North Dakota (SHSND) under the North Dakota Century Code 55-02-07. The purpose of this investigation is to provide the necessary information for the SHSND including the technical specifications for the proposed turbines, photo-documentation of five properties identified by the SHSND during consultation, and providing line-of-sight photographs from the St. Vincent Catholic Church (32MO1337) and St. Vincent Cemetery (32MO186) to the proposed turbine locations. Through consultation with the SHSND, it was determined that no formal assessment of effects would be required as part of this investigation. However, Tetra Tech has provided preliminary National Register evaluations of the unevaluated properties and a preliminary evaluation of visual impacts to the St. Vincent Catholic Church and St. Vincent Cemetery.

Tetra Tech's preliminary evaluation of the three farmsteads (32MOx539, 32MOx540, and 32MOx541) suggests that these properties be recommended as not eligible for inclusion to the National Register. These farmsteads are not known to be associated with any historic events important to local, state or national history (Criterion A), do not have significant or unusual architecture (Criterion C), nor do they have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the St. Vincent Catholic Church be recommended as not eligible for inclusion to the National Register. The church retains integrity; however, the current church is not directly associated with the community that placed the wrought-iron crosses in the St. Vincent Cemetery, and therefore lacks association (Criterion A). The church does not appear to have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have worshiped here; at this time no association with a significant historical figure is known (Criterion B). It is possible that the integrity of setting and feeling may be altered by the presence of the turbines within the church's northern viewshed, but this is not the primary direction for the viewing the church. The primary viewing directions of the church

(south, east, and west) will still include agricultural landscapes in the background. Tetra Tech's preliminary evaluation of visual impacts suggests that the presence of turbines to the north will not change the qualities of the church that could qualify it for the National Register as the views to the north of the church will retain their agricultural qualities and turbines located beyond the foreground will be partially or completely masked by topography.

The St. Vincent Cemetery is potentially eligible for the National Register under Criteria A and C and the presence of turbines to the north will not change the qualities of the cemetery that qualify it for the National Register. It is possible that the integrity of setting and feeling may be altered by the presence of the turbines within the cemetery's northern viewshed, but this is not the primary direction for the viewing the cemetery. The primary views of the cemetery are from the north, east, and west, and from these directions, agricultural landscapes will be visible in the background. A view to the north from the cemetery will also reveal an agricultural landscape in the foreground. Due to natural and manmade screening, areas beyond the foreground could not be viewed; this was largely due to a ridge located 0.5 mi to the north of the cemetery that blocked views beyond. Tetra Tech's preliminary evaluation suggests that views to the north of the cemetery will retain their agricultural qualities and that turbines located beyond the foreground will be partially or completely masked by topography.

## TABLE OF CONTENTS

<b>MANAGEMENT SUMMARY</b> .....	<b>i</b>
<b>1.0 INTRODUCTION</b> .....	<b>6</b>
1.1 PROJECT DESCRIPTION.....	6
1.2 AREA OF POTENTIAL EFFECTS FOR ARCHITECTURE (APE).....	6
1.3 AGENCY INVOLVEMENT AND REGULATORY REQUIREMENTS .....	7
1.3.1 SHSND Communications.....	7
1.3.1.1 March 2010 .....	7
1.3.1.2 June 2011 .....	8
1.3.1.3 September 2011.....	9
1.3.1.4 October 2011 .....	9
1.4 ORGANIZATION OF THE REPORT .....	9
<b>2.0 METHODS</b> .....	<b>10</b>
2.1 BACKGROUND RESEARCH.....	10
2.2 FIELD METHODS .....	10
2.3 PRELIMINARY EVALUATION OF VISUAL IMPACTS .....	11
<b>3.0 RESULTS OF LITERATURE SEARCH</b> .....	<b>12</b>
3.1 PREVIOUS ARCHITECTURAL HISTORY STUDIES .....	12
3.2 PREVIOUSLY-DOCUMENTED PROPERTIES .....	12
3.2.1 St. Vincent Catholic Church (32MO1337).....	12
3.2.2 St. Vincent Cemetery (32MO186).....	13
<b>4.0 RESULTS OF THE RECONNAISSANCE SURVEY</b> .....	<b>14</b>
4.1 32MOX539 (FARMSTEAD).....	14
4.2 32MOX540 (FARMSTEAD).....	16
4.3 32MOX541 (FARMSTEAD).....	18
4.4 ST. VINCENT CATHOLIC CHURCH (32MO1337) .....	21
4.5 ST. VINCENT CEMETERY (32MO186).....	25
<b>5.0 PRELIMINARY EVALUATION OF VISUAL IMPACTS</b> .....	<b>28</b>
5.1 ST. VINCENT CATHOLIC CHURCH .....	28
5.2 ST. VINCENT CEMETERY .....	28
<b>6.0 REFERENCES CITED</b> .....	<b>29</b>

## LIST OF APPENDICES

<b>APPENDIX A</b>	FIGURE 1 – ARCHITECTURAL PROPERTIES IN THE AREA OF POTENTIAL EFFECT
	FIGURE 2 –DISTANCE ZONES FOR THE ST. VINCENT CATHOLIC CHURCH
	FIGURE 3 –DISTANCE ZONES FOR THE ST. VINCENT CEMETERY
<b>APPENDIX B</b>	CONSULTATION LETTERS AND RESPONSES
<b>APPENDIX C</b>	SITE FORMS

## LIST OF TABLES

TABLE 1: LEGAL DESCRIPTION OF THE PROJECT .....	6
TABLE 2: REVIEWED HISTORIC MAPS AND AERIAL PHOTOGRAPHS .....	10
TABLE 3: PREVIOUSLY-DOCUMENTED PROPERTIES WITHIN THE APE .....	12
TABLE 4: LOCATION AND DISTANCE OF TURBINES FROM THE ST. VINCENT CATHOLIC CHURCH .....	23
TABLE 5: LOCATION AND DISTANCE OF TURBINES FROM THE ST. VINCENT CEMETERY .....	26

## LIST OF PHOTOGRAPHS

PHOTOGRAPH 1: AN OVERVIEW OF PROPERTY 32MOX539 FROM COUNTY ROAD 83. ....	15
PHOTOGRAPH 2: A VIEW TOWARD PROPERTY 32MOX539 FROM COUNTY ROAD 83 .....	15
PHOTOGRAPH 3: A VIEW TOWARD THE HOUSE AT PROPERTY 32MOX539 FROM COUNTY ROAD 83 .....	16
PHOTOGRAPH 4: A VIEW TOWARDS PROPERTY 32MOX539 FROM COUNTY ROAD 83.....	16
PHOTOGRAPH 5: AN OVERVIEW OF PROPERTY 32MOX540 FROM 31ST AVENUE. ....	17
PHOTOGRAPH 6: AN OVERVIEW OF PROPERTY 32MOX540 FROM 31ST AVENUE, EAST OF THE FARMSTEAD ..	18
PHOTOGRAPH 7: AN OVERVIEW OF PROPERTY 32MOX540 FROM 31ST AVENUE, EAST OF THE FARMSTEAD. ..	18
PHOTOGRAPH 8: A VIEW THE FARMSTEAD 32MOX541 FROM 35TH STREET. ....	19
PHOTOGRAPH 9: A VIEW A METAL OUTBUILDING EAST OF THE HOUSE AT 32MOX541 FROM 35TH STREET ..	20
PHOTOGRAPH 10: A VIEW AN OUTBUILDING WEST OF THE HOUSE AT 32MOX541 FROM 35TH STREET.....	20
PHOTOGRAPH 11: A VIEW OF ST. VINCENT CATHOLIC CHURCH FROM THE CHURCH PARKING LOT .....	21
PHOTOGRAPH 12: A VIEW OF ST. VINCENT CATHOLIC CHURCH FROM THE CHURCH LAWN SOUTHEAST OF THE BUILDING .....	22
PHOTOGRAPH 13: A VIEW TOWARD PROPOSED TURBINES 1 THROUGH 8 FROM THE CHURCH PARKING LOT ..	23
PHOTOGRAPH 14: A VIEW TOWARD PROPOSED TURBINES 9 THROUGH 14 FROM THE CHURCH PARKING LOT ..	24
PHOTOGRAPH 15: A VIEW TOWARD PROPOSED TURBINES 15 THROUGH 19 FROM THE CHURCH PARKING LOT ..	24
PHOTOGRAPH 16: A VIEW OF THE ST. VINCENT CEMETERY AND THE ST. VINCENT CATHOLIC CHURCH FROM 36TH STREET.....	25
PHOTOGRAPH 17: A VIEW TOWARD PROPOSED TURBINES 1 THROUGH 5 FROM THE PUBLIC ROW NORTH OF THE ST. VINCENT CEMETERY .....	27
PHOTOGRAPH 18: A VIEW TOWARD PROPOSED TURBINES 6 THROUGH 19 FROM THE PUBLIC ROW NORTH OF THE ST. VINCENT CEMETERY.....	27

## ACRONYMS AND ABBREVIATIONS

ac	acres
APE	Area of Potential Effect
ft	feet
GE	General Electric
GLO	General Land Office
GPS	Global Positioning System
mi	mile
MW	megawatt
NAIP	National Agriculture Imagery Program
O&M	Operations and Maintenance
PSC	Public Services Commission
ROW	right-of-way
SHPO	State Historic Preservation Office
SHSND	State Historical Society of North Dakota
T	turbine
USGS	United States Geological Survey
WIC	wrought iron cross

# 1.0 INTRODUCTION

This report presents the findings of a Class II historical architecture reconnaissance survey for the Oliver III Wind Energy Center located in Morton County, North Dakota. Work was performed by Tetra Tech under contract to NextEra Energy Resources, LLC (NextEra). The Project requires a Certificate of Site Compatibility from the North Dakota Public Service Commission (PSC); therefore, the Project is subject to review by the State Historical Society of North Dakota (SHSND) under the North Dakota Century Code 55-02-07. The purpose of this investigation is to provide the necessary information for the SHSND review by providing technical specifications for the proposed turbines; photo-documenting three farmsteads identified by the SHSND during consultation; and providing line-of-sight photographs from the St. Vincent Catholic Church (32MO1337) and the St. Vincent Cemetery (32MO186) toward the proposed turbine locations. As part of this investigation, preliminary National Register of Historic Places (National Register) evaluations of unevaluated architectural properties were provided as well as preliminary evaluations of visual impacts to the St. Vincent Catholic Church (32MO1337) and St. Vincent Cemetery (32MO186). Mr. Adam C. Holven served as Principal Investigator and lead author, and provided preliminary recommendations and evaluations of architectural resources.

## 1.1 PROJECT DESCRIPTION

NextEra is proposing to construct and operate the 48-megawatt (MW) Oliver III Wind Energy Center (the Project) located approximately 18 miles (mi) northwest of Bismarck in Morton County, North Dakota (Appendix A, Figure 1; [Table 1](#)). The Project includes the construction of 30 1.6-MW General Electric (GE) turbines (4 alternate turbine locations are also included in the layout), associated access and service roads, electrical collection system, and substation. The Oliver III Wind Energy Center will connect to the Square Butte substation east of Nelson Lake in the southeast quarter of Section 33, Township 142 North, Range 83 West via the proposed 9.2 mi Oliver III Transmission Line ([Holven and Eigenberger 2011](#)).

**Table 1: Legal Description of the Project**

County	Township Name	Township	Range	Section(s)
Morton	Unnamed	140N	83W	3-4, 9-11, 14-16, 22-26

## 1.2 AREA OF POTENTIAL EFFECTS FOR ARCHITECTURE (APE)

The Area of Potential Effect for Architecture (APE) is based on the turbine layout dated October 9, 2009, and includes areas that may be within the viewshed of:

- 33 1.5-MW GE wind turbine generators and 1 alternate location. These turbines will have a hub height of approximately 262.5 ft and a blade length of 127 ft, with a maximum structure height of roughly 390 ft.

The SHSND does not have set guidelines for visual effects in regards to wind energy projects and each wind project is reviewed and evaluated individually ([see Section 1.3.1](#)). For this Project, the SHSND determined that three farmsteads (not documented with the SHSND) and two previously-documented properties were located within the APE, which appears to extend approximately 2.3 mi from the proposed turbine layout dated October 9, 2009.

In September 2011, an updated array was designed utilizing 1.6-MW GE wind turbine generators. The new layout, dated September 2, 2011, utilized the former 1.5-MW GE wind turbine generator locations and due to the increased capacity from 1.5 MW to 1.6 MW, three fewer wind turbine generators would be required. This new layout includes the construction of:

- 30 1.6-MW GE wind turbine generators and 4 alternate locations. These turbines will have a hub height of approximately 262.5 ft and a blade length of 127 ft, with a maximum structure height of roughly 390 ft.

Although the SHSND's APE was based on the layout dated October 9, 2009, it is Tetra Tech's opinion that the September 2, 2011 layout will not change the SHSND's recommendations due to the following considerations:

- the turbine locations have remained the same,
- the overall number of turbines to be constructed has been reduced, and
- the 1.6-MW turbine that will be used for the Project has the same hub height and blade length as the 1.5-MW turbine.

### **1.3 AGENCY INVOLVEMENT AND REGULATORY REQUIREMENTS**

The Project will require a Certificate of Site Compatibility from the North Dakota PSC; therefore, the Project is subject to review by the SHSND under the North Dakota Century Code 55-02-07 (North Dakota Century Code 2011).

#### **1.3.1 SHSND Communications**

Tetra Tech's communications with the SHSND were initiated in March 2010 and have been ongoing as the Project moves towards completion.

##### **1.3.1.1 March 2010**

On March 12, 2010, Tetra Tech sent a letter to the SHSND notifying the agency of the proposed Project requesting comment on potential impacts to cultural resources in the vicinity (Appendix B). This letter provided the Project description and setting, discussed the absence of state and federal permitting<sup>1</sup> for the Project, and summarized the fieldwork completed in October 2009.

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<sup>1</sup> At the time of the March 2010 consultation, state or federal permitting was not anticipated for the Project.

Tetra Tech also requested SHSND comment for Tetra Tech's proposed 1.5-mile APE for visual effects.

Tetra Tech received a response from Ms. Susan Quinnell, SHSND Review and Compliance Coordinator, on March 19, 2010 (letter misdated September 15, 2009) (ND SHPO REF: 09-1694), requesting:

- Site forms be completed for those sites documented in October 2009;
- The completion of a Class II Reconnaissance Survey for standing structures in:
  - Southeast ¼ of Section 9, Township 140 North, Range 83 West, (32MOx539)
  - Southeast ¼ of Section 14, Township 140 North, Range 83 West (32MOx540)
  - Northeast ¼ of Section 34, Township 140 North, Range 83 West (32MOx541)
- Visual effect information (line-of-sight to wind turbines) from:
  - St. Vincent Church (32MO1337)
  - Fieldstone and cement building (Site 32MO180)
- Any other field comments regarding line-of-sight observations Tetra Tech may have, including a description of the type of proposed wind turbines with full height including the blade.

Tetra Tech contacted Ms. Quinnell via phone on March 19, 2010 to get additional clarification of the SHSND's requests, specifically regarding the visual effect information. Ms. Quinnell explained that the SHSND is in the process of creating a wind turbine visual effect policy and each wind project is reviewed and evaluated individually. Tetra Tech reviewed each portion of the letter with Ms. Quinnell, agreed to submit completed archaeological site forms following completion of the Project, photo-document the three farmsteads, and provide turbine height and Project information to the SHSND in the final report. In addition, Tetra Tech clarified the request for visual effect information for the fieldstone and cement building (32MO180) in northwest ¼ of Section 10, Township 137 North, Range 81 West, as this site was approximately 12 mi south of the proposed Project. Ms. Quinnell provided the correct site name and number (St. Vincent Church Cemetery [32MO186]) and Tetra Tech agreed to photo-document the cemetery and associated church (St. Vincent Church [32MO1337]) and to provide line-of-sight photographs from these properties to the proposed turbine locations. Ms. Quinnell indicated that no formal assessment of effects would be required as part of this investigation and that an archaeological principal investigator could provide preliminary recommendations and evaluations of architectural resources.

### ***1.3.1.2 June 2011***

On June 22, 2011, Tetra Tech contacted Ms. Quinnell regarding any potential updates to the visual effects for the proposed Oliver III Project. Ms. Quinnell responded that the SHSND had not changed its recommendations for the Project and that the recommendations from March 2010 were still appropriate.

### ***1.3.1.3 September 2011***

In August 2011, after the PSC jurisdictional threshold was reduced from 60 MW to 0.5 MW, NextEra submitted a letter to the PSC indicating their intention to seek a Certificate of Site Compatibility for the Oliver III Project. As part of this process, an updated letter was sent to the SHSND indicating the Project would be reviewed under the PSC.

Tetra Tech received a response from Mr. Merlan Paaverud, Jr., Director, SHSND, on September 26, 2011 (ND SHPO REF: 11-1281), requesting:

- Agency consultation (PSC);
- Consultation with tribal nations, North Dakota Indian Affairs, and the North Dakota Department of Transportation;
- Completion and submission of a Class I Cultural Resource Inventory;
- Completion and submission of a Class II Reconnaissance Survey for standing structures in the APE for visual effects;
  - The SHPO requests a map of the actual placement areas of wind turbines to determine the APE, as the SHSND does not use a set distance for visual effects.
- Completion and submission of a Class III Pedestrian Survey for all areas directly impacted by the project, including crane paths, access roads, transmission line, and turbine pads;
- Inclusion of tribal monitors during the Class III Pedestrian Survey;
- Completion of site forms.

### ***1.3.1.4 October 2011***

On October 4, 2011, Mr. Adam Holven contacted Ms. Susan Quinnell, Review and Compliance Coordinator, SHSND, to determine if the APE for visual effects would need to be reevaluated for this the Project. Ms. Quinnell indicated that when the SHSND's September 26, 2011 letter was drafted, it was unclear if this Project was the same project referenced in the March 19, 2010 letter. After it was determined that these letters reference the same project, Ms. Quinnell indicated that the APE for visual effects would not have to be re-evaluated and that the recommendations in the March 19, 2010 were still applicable.

## **1.4 ORGANIZATION OF THE REPORT**

This report details the research methodology, results of the literature review, field survey results, and recommendations. Several appendices provide supporting documentation and include: Appendix A - Figures; Appendix B - Consultation Letters and Responses; and Appendix C – Site Forms.

## 2.0 METHODS

The purposes of this investigation is to provide the necessary information for the SHSND review by providing technical specifications for the proposed turbines, photo-documenting five properties identified by the SHSND during consultation, and provide line-of-sight photographs from the St. Vincent Catholic Church (32MO1337) and St. Vincent Cemetery (32MO186) to the proposed turbine locations. As part of this investigation, preliminary National Register evaluations of unevaluated architectural properties were provided as well as preliminary evaluations of visual impacts to the St. Vincent Catholic Church (32MO1337) and St. Vincent Cemetery (32MO186). All work was conducted in accordance with *North Dakota SHPO Guidelines Manual for Cultural Resource Inventory Projects* ([SHSND 2006](#)) and through consultation with the SHSND.

### 2.1 BACKGROUND RESEARCH

The APE was investigated through a file review completed at the SHSND on June 30, 2011. This included collecting the files for the two previously documented architectural history properties within the APE. The background research also included a review of historic documentation including General Land Office maps, plat maps, county and regional histories, and aerial photographs. These documents were examined to determine the approximate age of the structures. [Table 2](#) identifies historic maps and aerial photos reviewed for Morton County.

**Table 2: Reviewed Historic Maps and Aerial Photographs**

Type	Year	Reference
General Land Office	1879	General Land Office
Plat	1917	Geo A. Ogle and Company
Plat	1962	Midwest Atlas Company
Plat	1971	American Atlas Company
Aerial Photograph	1972	United States Geological Survey (USGS)
Aerial Photograph	1985	National High Altitude Photography
Aerial Photograph	2003	National Agriculture Imagery Program (NAIP)
Aerial Photograph	2006	NAIP
Aerial Photograph	2010	NAIP

### 2.2 FIELD METHODS

Tetra Tech conducted a roadside survey of the five properties within the APE. This included photo-documenting visible structures from the public right-of-way (ROW) with an 8-megapixel Nikon point-and-shoot camera. A Trimble GeoXT 2005 Series global positioning system (GPS) unit operating ESRI ArcPad® and GPS Analyst® was used to determine the bearing and distance to the nearest turbines from the public ROW in front of the structure, and photographs were taken from the public ROW in the direction of the turbines. Observations regarding the presence of natural or man-made screening were noted for the line-of-sight photographs.

### 2.3 PRELIMINARY EVALUATION OF VISUAL IMPACTS

While the St. Vincent Catholic Church (32MO1337) and St. Vincent Cemetery (32MO186) fall within the potential project viewshed, a view of the Project facilities from a property in itself does not automatically yield a finding of potential adverse effect. For a view of the Project to result in a finding of potential adverse effect, this new view must change the qualities of a property that qualify it for the National Register. The challenge in assessing the impact of a project lies in interpreting the effect that various limiting factors have on the visual intrusiveness of a project on specific resources. Three visual assessment factors were considered in assessing Project impacts: the nature of the significance of the property, the distance of the resource from the nearest element of the Project, and the orientation of the resource.

The distance of a property from the Project is also important in assessing the effect of the Project on that property. Recent studies have attempted to quantify the common sense understanding of how distance affects the visual impact of a wind energy project ([Berry et al. 1998](#); [Eyre 1995](#); [University of Newcastle 2002](#)). These studies have tried to identify the point at which turbines become background features in a landscape, and are therefore less intrusive in the view of a historic resource. Three distance zones have been developed to quantify this somewhat subjective assessment; these include foreground (0 to 2 mi), middleground (2 to 3.7 mi), and background (3.7 to 5 mi). While there is some variation on the exact distance at which visual intrusiveness occurs, there is general agreement that large man-made landscape features begin to be less apparent at a distance of about 3.5 mi. This standard is also generally consistent with the U.S. Department of Agriculture, Forest Service's (USDA-FS) "distance zones" used to determine the visual effect of large man-made objects in the landscape ([USDA-FS 1973](#); [Berry et al. 1998](#); [Eyre 1995](#)). If Project elements are only visible in the distance, then it is less likely that the general agricultural context of the surveyed properties would be adversely affected.

The orientation of a property relative to the Project is another element considered in assessing Project effect. If views of the property from the public right of way have Project elements prominent in their background then the potential for effect on the setting is greater than if the Project is only visible from the property, since views from a property are less frequently part of its significance.

### 3.0 RESULTS OF LITERATURE SEARCH

The purpose of the literature review is to provide a general understanding of the investigations that have occurred within the Project area, and the architectural resources identified by these investigations.

#### 3.1 PREVIOUS ARCHITECTURAL HISTORY STUDIES

Two non-regulatory review architectural surveys have been conducted within the APE including a survey of the St. Vincent Catholic Church (32MO1337) and the St. Vincent Cemetery (32MO186). The survey of the St. Vincent Catholic Church was a state-wide effort by the SHSND to photo-document North Dakota’s churches and to provide some initial documentation of these properties.

The survey of the St. Vincent Cemetery was part of a state-wide research effort led by Thomas Isern and Kevin Nesemeier of North Dakota State University – Fargo. The purpose of this investigation was to complete an intensive-level survey of at least 65 cemeteries in North Dakota containing iron cross grave markers, broaden the cultural context for historical interpretation of iron cross cemeteries, and broaden the geographic scope for survey of iron cross cemeteries ([Isern and Nesemeier 2000](#)).

#### 3.2 PREVIOUSLY-DOCUMENTED PROPERTIES

The two previously documented properties in the APE include the St. Vincent Catholic Church (32MO1337) and the St. Vincent Cemetery (32MO186) (Appendix A, Figure 1, [Table 3](#)).

**Table 3: Previously-Documented Properties within the APE**

SHPO No.	PLSS	Description	DOE
32MO1337	Section. 2, T139N, R83W	St. Vincent Catholic Church	Not Evaluated
32MO186	Section. 2, T139N, R83W	St. Vincent Cemetery	Potentially Eligible <sup>1</sup>

DOE = Determination of Eligibility

<sup>1</sup>Eligible under individual nomination and thematic nomination.

##### 3.2.1 St. Vincent Catholic Church (32MO1337)

The St. Vincent Catholic Church (Property 32MO1337) is located at 3180 36<sup>th</sup> Street, Mandan, North Dakota within the northeast ¼ of Section 2, Township 139 North, Range 83 West. The church is unevaluated for inclusion to the National Register (Site Form 32MO1337) (Appendix A, Figure 1). The steel-framed brick exterior church was constructed in 1934 to replace an earlier wood-framed church that burned down in 1933 (Site Form 32MO1337). At the time of the completion of the site form (July 1998), the church was described as in good condition with the interior painted in 1996.

### 3.2.2 St. Vincent Cemetery (32MO186)

The St. Vincent Cemetery is located 0.25 mi east of the St. Vincent Catholic Church on 36<sup>th</sup> Street in the northwest ¼ of Section 2, Township 139 North, Range 83 West (Appendix A, Figure 1). The church and the office building are not considered part of the cemetery since they are physically separated and are not from the same historic period as the cemetery (Site Form 32MO186).

The cemetery contains 31 wrought iron crosses (WICs) and 39 cast iron markers, most of which are in the eastern (older) part of the cemetery (Site Form 32MO186). The 31 WICs display a high degree of craftsmanship and artistry, therefore, contributing to [Isern and Nesemeier's 2000](#) recommendation that the property be considered eligible for inclusion on the National Register, under Criterion C<sup>2</sup>. [Isern and Nesemeier's 2000](#) also suggest the cemetery is also significant under National Register Criterion A<sup>3</sup> for its historic associations with Religion and Rural Settlement. According to [Sherman and Thorson \(1986\)](#), the St. Vincent Community was settled by Black Sea Germans from Russia, who came from the Beresan colonies to North Dakota in 1888. The rural community associated with the St. Vincent Parish was sometimes called St. Vincent or at other times, Crown Butte. The parish began with services in a sod church in 1896, which was replaced by a wood-framed church in 1902 and by a larger wood-framed church in 1907 (Site Form 32MO186). While the earlier churches were situated next to the cemetery, the 1907 church was situated 0.25 mi to the east of the cemetery. When that church burned down in 1933, it was replaced by the brick building which is still present today.

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<sup>2</sup> Embodies the distinctive characteristics of a type, period, or method of construction, or that represents the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

<sup>3</sup> Associated with events that have made significant contribution to the broad patterns of our history.

## 4.0 RESULTS OF THE RECONNAISSANCE SURVEY

In March 2010, the SHSND reviewed the locations of the proposed turbine array (dated October 9, 2009) and identified five properties. This included the previously documented St. Vincent Catholic Church (32MO1337) and the St. Vincent Cemetery (32MO186); and three previously undocumented farmsteads (32MOx539, 32MOx540, and 32MOx541. Tetra Tech photo-documented the five properties and provided line-of-sight photographs from the St. Vincent Catholic Church (32MO1337) and the St. Vincent Cemetery (32MO186) toward the proposed turbine locations. These photographs were taken from the public ROW adjacent to the property with the exception of the St. Vincent Catholic Church (32MO1337). At this location, photographs were taken from the church parking lot on the west side of the building. All fieldwork was conducted on April 7 and 8, 2010, unless stated otherwise; Adam Holven was the photographer, unless stated otherwise.

### 4.1 32MOx539 (FARMSTEAD)

Property 32MOx539 (Farmstead) is an active farmstead located along the west side County Road 83 within the southeast  $\frac{1}{4}$  of Section 9, Township 140 North, Range 83 West (Appendix A, Figure 1; Appendix C, 32MOx539; [Photographs 1, 2, 3, and 4](#)). The farmstead includes one ranch-style house, two metal outbuildings (one painted red, the other galvanized steel), a brick barn, and a cattle lot. The buildings at this farmstead appear to be more recent than those observed at other farmsteads in the area. A review of historic plat maps reveals this farmstead was not present in 1917 ([Geo A. Ogle and Company 1917](#)), but was present by 1962 ([Midwest Atlas Company 1962](#)).

The farmstead appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed. Tetra Tech's preliminary evaluation of the farmstead indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B). Tetra Tech's preliminary evaluation suggests the farmstead be recommended as not eligible for inclusion to the National Register.



**Photograph 1 (South): An overview of Property 32MOx539 from County Road 83.**



**Photograph 2 (Southwest): A view toward Property 32MOx539 from County Road 83. The painted steel building is in the foreground and the ranch-style house is located in the background.**



**Photograph 3 (West):** A view toward the house at Property 32MOx539 from County Road 83. This photograph was taken 8/28/2009 by Swenson, Hagen & Company.



**Photograph 4 (Northwest):** A view towards Property 32MOx539 from County Road 83. Most of the farm is obscured by trees with the exception of the red outbuilding. The grain bins and blue house in the foreground are not part of Property 32MOx539.

#### **4.2 32MOx540 (FARMSTEAD)**

Property 32MOx540 (Farmstead) is located along 31<sup>st</sup> Avenue within the southeast  $\frac{1}{4}$  of Section 14, Township 140 North, Range 83 West (Appendix A, Figure 1; Appendix C, 32MOx540;

[Photographs 5, 6, and 7](#)). The farmstead does not appear to be occupied; however, several structures in poor condition were observed on the property including a farm house, mobile home, several wood-framed outbuildings, and a latticed-framed windmill. Tetra Tech did not have access to the farmstead so a detailed examination of the structures was not possible. Several vehicles and other farm machinery were also observed in the farmstead. Based on a review of the [Geo A. Ogle and Company \(1917\)](#) plat map and field observations, this farmstead may date to the early 1900s during the period of the initial Euro-American settlement.

The farmstead appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed. The presence of an abandoned mobile home and several non-functional vehicles within the farmstead appears to reduce the integrity of feeling. Tetra Tech’s preliminary evaluation of the farmstead indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B). Tetra Tech’s preliminary evaluation suggests the farmstead be recommended as not eligible for inclusion to the National Register.



**Photograph 5 (Northwest): An overview of Property 32MOx540 from 31st Avenue, south of the farmstead.**



**Photograph 6 (Southwest):** An overview of Property 32MOx540 from 31st Avenue, east of the farmstead. The farmstead was not occupied.



**Photograph 7 (West):** An overview of Property 32MOx540 from 31st Avenue, east of the farmstead.

### **4.3 32MOx541 (FARMSTEAD)**

Property 32MOx541 (Farmstead) is an active farmstead located along 35<sup>th</sup> Street within the northwest ¼ of Section 34, Township 140 North, Range 83 West (Appendix A, Figure 1; Appendix C, 32MOx541; [Photographs 8](#), [9](#), and [10](#)). The farmstead, which first appears on the

[Geo A. Ogle and Company \(1917\)](#) plat map, includes one modern split level-style house, one metal Quonset hut, and several other outbuildings. Only one wood-framed building (in addition to the house) could be observed within the farmstead (function could not be determined); however, due to dense tree cover in and around the farmstead, a detailed description of this structure and other structures within the farmstead could not be ascertained. The remaining buildings appeared to have steel exteriors. The buildings at this farmstead appeared to have been constructed throughout the existence of the farmstead, and represent different styles or themes of construction.

The farmstead appears intact and has integrity of location, setting, and feeling. Integrity of design and materials may have been compromised when elements of the farmstead were updated such as the farm house and several of the metal outbuildings. These structures do not represent the original materials or design of the farmstead, but rather represent alterations that occurred over time. Due to the scope of this assessment, integrity of workmanship or association was not addressed. Tetra Tech's preliminary evaluation of the farmstead indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B). Tetra Tech's preliminary evaluation suggests the farmstead be recommended as not eligible for inclusion to the National Register.



**Photograph 8 (South): A view the Farmstead 32MOx541 from 35th Street.**



**Photograph 9 (Southwest): A view a metal outbuilding east of the house at 32MOx541 from 35th Street. This photograph was taken 8/28/2009 by Swenson, Hagen & Company.**



**Photograph 10 (South): A view an outbuilding west of the house at 32MOx541 from 35th Street. Due to tree cover, this building is difficult to view.**

#### 4.4 ST. VINCENT CATHOLIC CHURCH (32MO1337)

The St. Vincent Catholic Church (32MO1337) is located at 3180 36<sup>th</sup> Street, Mandan, North Dakota (Appendix A, Figures 1 and 2; [Photographs 11](#) and [12](#)). The main entrance of the church is on the west side of the building, with parking areas located to the west of the entrance. Manicured lawns were observed on the south, east, and north sides of the church.

At the time of the survey in April 2010, the church appeared intact and relatively unaltered, and retains integrity of location, design, setting materials, workmanship, and feeling. However, the current church is not directly associated with the community that placed the WICs in the St. Vincent Cemetery (Criterion A). These grave markers were erected between ca. 1900 and ca. 1921 and would have been associated with the sod church (1896-1902), which was replaced by a wood-framed church (1902-1907), and which was subsequently replaced by a larger wood-framed church (1907-1933). The sod church and the first wood-framed church were located adjacent to the cemetery, while the second wood-framed church was located on the same parcel as the current church. By the time the current church was constructed (1934), WICs were no longer be placed in the cemetery. The church does not appear to have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have worshiped here; at this time no association with a significant historical figure is known (Criterion B). Tetra Tech's preliminary evaluation suggests the church be recommended as not eligible for inclusion to the National Register.



**Photograph 11 (Northeast): A view of St. Vincent Catholic Church from the church parking lot.**



**Photograph 12 (Northwest): A view of St. Vincent Catholic Church from the church lawn southeast of the building.**

Based on the proposed turbine layout dated September 2, 2011, no turbines are located in the foreground distance zone (0 to 2 mi); however, 19 turbines and 3 alternate turbines are located in the middleground distance zone (2 to 3.7 mi), 5 turbines are located in the background distance zone (3.7 to 5 mi), and 6 turbines and 1 alternate turbine are located beyond the background distance zone (>5 mi) (Appendix A, Figure 2; [Table 4](#)). Within the middleground distance zone, the closest turbine (Alt 1) is located 2.3 mi away and farthest turbine (Turbine 15) is located 3.7 mi away. The average distance to turbines in the middleground distance zone is 3.0 mi. Within the background distance zone, the closest turbine (Turbine 23) is located 4.5 mi away and farthest turbine (Alt 4) is located 4.9 mi away. The average distance of turbines in the background distance zone is 4.6 mi.

Based on the proposed turbine layout dated September 2, 2011, turbines are located to the northeast ([Photograph 13](#)), north-northeast ([Photograph 14](#)), and north-northwest ([Photograph 15](#)) of the church (Appendix A, Figure 1; [Table 4](#)). No proposed turbines will be located to the west, southwest, south, southeast, or east of the St. Vincent Catholic Church; therefore, turbines would not be visible within the viewshed while viewing the church from the northeast, north, or northwest. Turbines may be within the viewshed while viewing the church from the east or west, but this would likely be limited to turbines within the middleground distance zone on the northern periphery of the field of view. It is likely that the church would mask turbines located to the north while viewing the church from the southeast, south, or southwest ([Photograph 12](#)). Additional screening in the foreground and middleground distance zones including buttes, ridges, and rolling topography may partially obscure turbines in the middleground distance zone and obscure turbines in the background distance zone.

**Table 4: Location and distance of turbines from the St. Vincent Catholic Church**

Distance Zone	Turbines	Bearing	Screening
Foreground (0-2 mi)	No Turbines	N/A	Buttes, Ridges
Middleground (2-3.7 mi)	1-19; Alt 1-Alt 3	N16°W to N45°E	Buttes, Ridges
Background (3.7-5 mi)	20-24	N17°W to N7°E	Buttes, Ridges
>5 mi	25-30; Alt 4	N17°W to N6°W	Buttes, Ridges



**Photograph 13 (Northeast):** A view toward proposed Turbines 1 through 8 from the church parking lot. The foreground distance zone is visible; the aggregate pile located on the horizon (arrow) is approximately 0.7 mi northeast of the church, with the nearest turbine (Alt 1) located 1.6 mi beyond. Due to the presence of the ridge in the foreground distance zone, the middleground or background distance zones are not visible.



**Photograph 14 (North-Northeast):** A view toward proposed Turbines 9 through 14 from the church parking lot. The foreground distance zone is visible; this butte located on the horizon (arrow) is approximately 1.5 mi north of the church, with the nearest turbines located 0.9 mi beyond. Due to the presence of the butte and ridge in the foreground distance zone, the middleground or background distance zones are difficult to discern on the horizon.



**Photograph 15 (North-Northwest):** A view toward proposed Turbines 15 through 19 from the church parking lot. The foreground distance zone is visible; this hill located on the horizon (arrow) is approximately 2 mi northwest of the church, with the nearest turbines located 1.2 mi beyond. Due to less topography of the west side of the Project area, the middleground distance zone is visible.

#### 4.5 ST. VINCENT CEMETERY (32MO186)

The St. Vincent Cemetery (32MO186) is located 0.25 mi east of the St. Vincent Catholic Church on the side slope of a small draw at an elevation between 2,040 and 2,060 ft above sea level (asl) (Appendix A, Figures 1 and 3; [Photograph 16](#)). This is relatively low compared to the buttes and ridges surrounding the cemetery to the north and east. Agricultural pasture was observed to the east and south; pasture and the St. Vincent Catholic Church were observed to the west; and 36<sup>th</sup> Street and pasture was observed to the north.



**Photograph 16 (West): A view of the St. Vincent Cemetery and the St. Vincent Catholic Church from 36th Street.**

Based on the proposed turbine layout dated September 2, 2011, no turbines are located in the foreground distance zone (0 to 2 mi); 19 turbines and 3 alternate turbines are located in the middleground distance zone (2 to 3.7 mi), 5 turbines are located in the background distance zone (3.7 to 5 mi), and 6 turbines and 1 alternate turbine are located beyond the background distance zone (>5 mi) (Appendix A, Figure 3; [Table 5](#)). Within the middleground distance zone, the closest turbine (Alt 1) is located 2.1 mi away and farthest turbine (Turbine 15) is located 3.7 mi away. The average distance to turbines in the middleground distance zone is 2.9 mi. Within the background distance zone, the closest turbine (Turbine 23) is located 4.5 mi away and farthest turbine (Turbine 20) is located 4.8 mi away. The average distance of turbines in the background distance zone is 4.6 mi.

Based on the proposed turbine layout dated September 2, 2011, turbines are located to the northeast ([Photograph 17](#)) and north-northwest ([Photograph 18](#)) (Appendix A, Figure 1; [Table 5](#)). No proposed turbines will be located to the west, southwest, south, southeast, or east of the

cemetery; therefore, turbines would not be visible within the viewshed while viewing the cemetery from the northeast, north, or northwest. Turbines may be within the viewshed while viewing the church from the east or west, but this would likely be limited to turbines within the middleground distance zone on the northern periphery of the field of view. Turbines would likely be within the viewshed while viewing north from the south side of the cemetery; however, these turbines, if visible, would be within the middleground and background distance zones.

Relatively higher features in the foreground distance zone including manmade screening (i.e., a farmstead and treeline located 0.25 mi to the northeast of the cemetery) and a northwest-southeast trending ridge located 0.50 mi to the northeast would likely mask Turbines 1 through 5 located in the middleground distance zone ([Photograph 17](#)). The elevation of the ridge located to the northeast of the cemetery is 2,100 to 2,160 ft asl, which is approximately 60 to 100 ft higher than the cemetery. This same ridge appears in the foreground distance zone while viewing north, towards Turbines 6 through 19 may provide some natural screening to reduce the presence of these turbines and turbines located in the background distance zone and areas beyond ([Photograph 18](#)).

**Table 5: Location and distance of turbines from the St. Vincent Cemetery**

Distance Zone	Turbines	Bearing	Screening
Foreground (0-2 mi)	No Turbines	N/A	Buttes, Ridges, Farmstead, Treeline
Middleground (2-3.7 mi)	1-19; Alt 1-Alt 3	N19°W to N43°E	Buttes, Ridges
Background (3.7-5 mi)	20-24	N17°W to N5°E	Buttes, Ridges
>5 mi	25-30; Alt 4	N17°W to N5°E	Buttes, Ridges



**Photograph 17 (Northeast):** A view toward proposed Turbines 1 through 5 from the public ROW north of the St. Vincent Cemetery. The foreground distance zone is visible; the aggregate pile located on the horizon (arrow) is approximately 0.6 mi northeast of the cemetery, with the nearest turbines located 1.5 mi beyond. Due to the presence of the ridge and the treeline in the foreground distance zone, the middleground or background distance zones are not visible on the horizon.



**Photograph 18 (North):** A view toward proposed Turbines 6 through 19 from the public ROW north of the St. Vincent Cemetery. The foreground distance zone is visible; these hills located on the horizon (arrow) are approximately 0.5 mi north of the cemetery, with the nearest turbines located 2 mi beyond. Due to the presence of the ridge in the foreground distance zone, the middleground or background distance zones are not visible on the horizon.

## **5.0 PRELIMINARY EVALUATION OF VISUAL IMPACTS**

Tetra Tech has provided a preliminary evaluation of visual impacts for St. Vincent Catholic Church and the St. Vincent Cemetery based on the nature of the significance of the property, the distance of the resource from the nearest element of the Project, and the orientation of the resource.

### **5.1 ST. VINCENT CATHOLIC CHURCH**

Tetra Tech's preliminary evaluation suggests that the church be recommended as not eligible for inclusion to the National Register. Additionally, the presence of turbines in the middleground and background distance zones to the north will not change the qualities of the church that could qualify it for the National Register. It is possible that the integrity of setting and feeling may be altered by the presence of the turbines within the church's northern viewshed, but this is not the primary direction for the viewing the church. The primary viewing directions of the church are from 36<sup>th</sup> Street (to the north of the church) or from the west side of the church (main entrance). From these directions (north and west) agricultural landscapes will be visible in the background. A view to the north from the church will also reveal an agricultural landscape in the foreground distance zone. Due to natural screening, the middleground or background distance zones could only be partially viewed from the church; this was largely due to a ridge and a butte located 1.5 mi to the north of the church that blocked views beyond. It is Tetra Tech's opinion that views to the north of the church will retain its agricultural qualities and that turbines located beyond the foreground distance zone will be partially or completely masked by topography.

### **5.2 ST. VINCENT CEMETERY**

The St. Vincent Cemetery is potentially eligible for the National Register under Criteria A and C and the presence of turbines in the middleground and background distance zones to the north will not change the qualities of the cemetery that qualify it for the National Register. It is possible that the integrity of setting and feeling may be altered by the presence of the turbines within the cemetery's northern viewshed, but this is not the primary direction for the viewing the cemetery. The primary views of the cemetery are from 36<sup>th</sup> Street (to the north of the cemetery) or from within the cemetery viewing east (for west-facing grave markers), viewing west (for east-facing grave markers), or viewing south toward a shrine in the south-central portion of the cemetery. From these directions (north, east, west) agricultural landscapes will be visible in the background. A view to the north from the cemetery will also reveal an agricultural landscape in the foreground distance zone. Due to natural and manmade screening, the middleground or background distance zones could not be viewed from the cemetery; this was largely due to a ridge located 0.5 mi to the north of the cemetery that blocked views beyond. It is Tetra Tech's opinion that views to the north of the cemetery will retain their agricultural qualities and that turbines located beyond the foreground distance zone will be partially or completely masked by topography.

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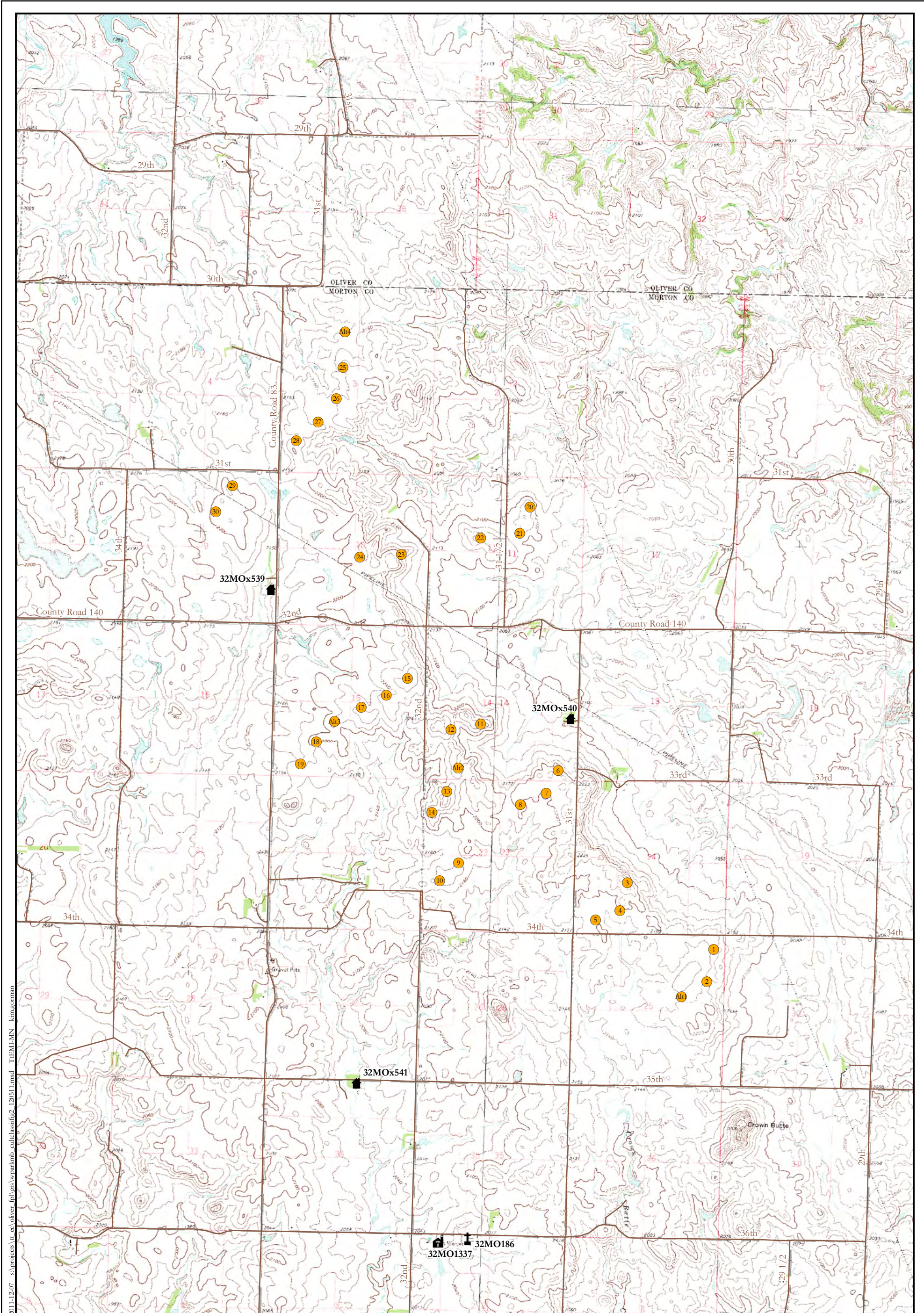
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**APPENDIX A**  
**FIGURES**



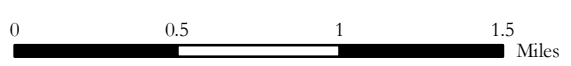
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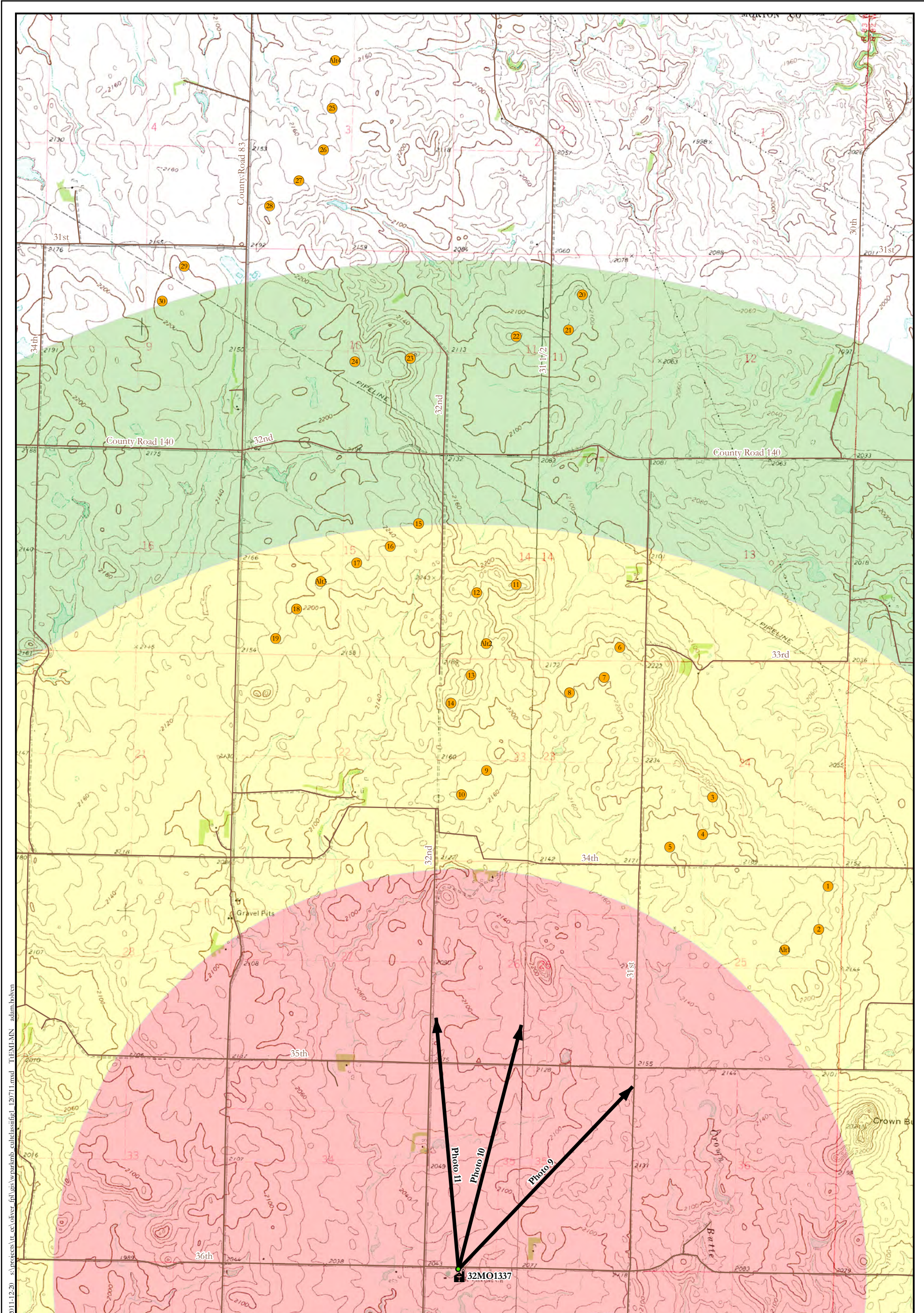
Source: USGS 7.5-Minute Series Topographic Maps: Crown Butte, Crown Butte NW, Fort Clark SE, Nelson Lake; TIGER Roads, ND SHPO data provided July 2011, and Project layout data provided by NextEra Energy 9/02/2011 (turbines) and 11/20/2011 (service roads, collection, and substation).

- Facility Layout 9/20/2011**
- Proposed Turbine Location
  - Road

- 🏠 St. Vincent Catholic Church (32MO1337)
- ⚪ St. Vincent Cemetery (32MO186)
- 🏡 Farmsteads

**Figure 1**  
**Architectural Properties in the Area of Potential Effect**  
**Oliver III Wind Energy Center**  
**Morton County, North Dakota**





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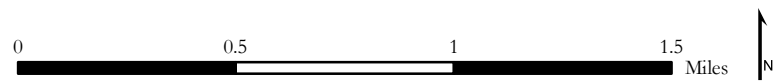
Source: USGS 7.5-Minute Series Topographic Maps: Crown Butte, Crown Butte NW, Fort Clark SE, Nelson Lake; TIGER Roads, ND SHPO data provided July 2011, and Project layout data provided by NextEra Energy 9/02/2011 (turbines).

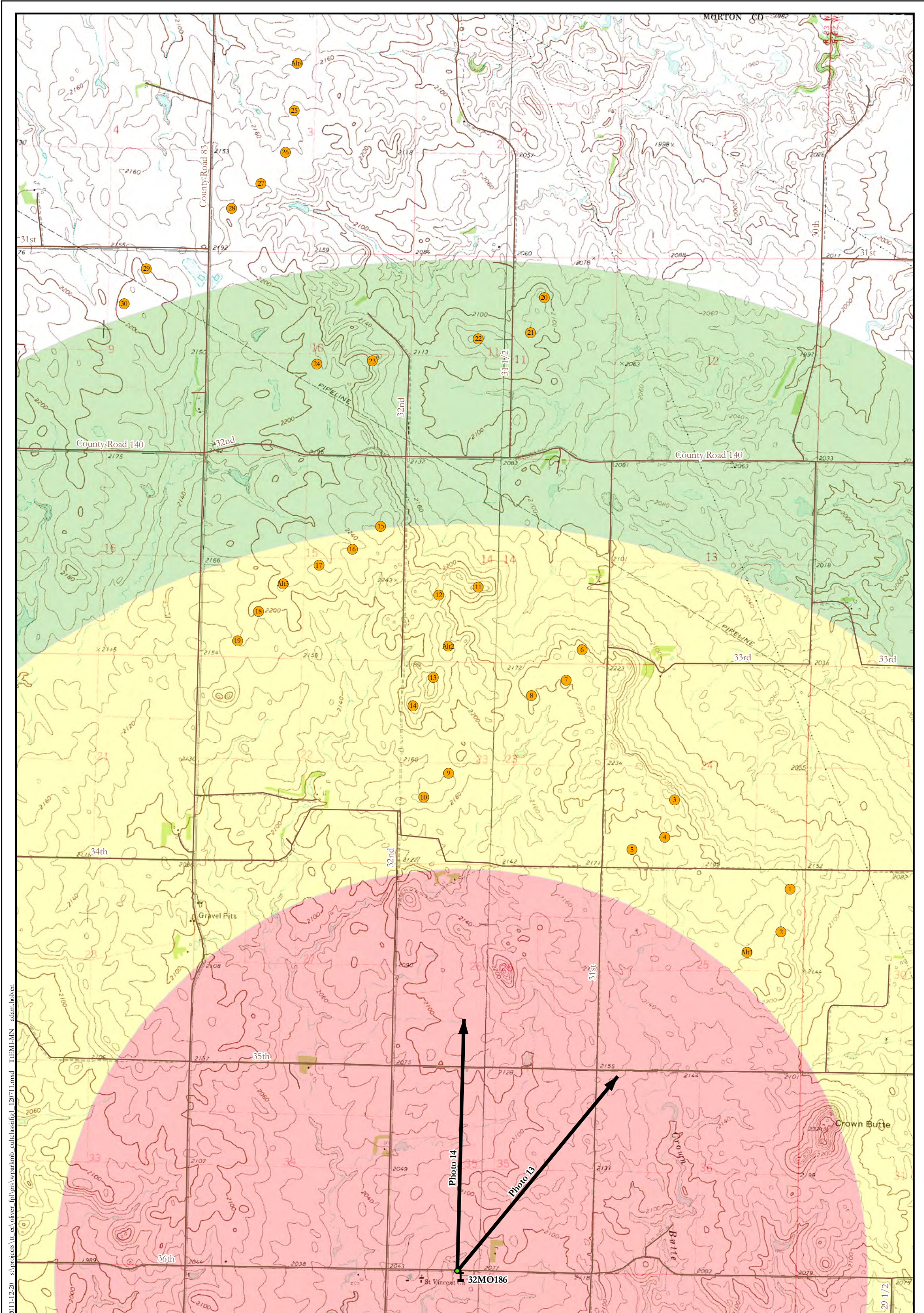
**Facility Layout 9/2/2011**

- Proposed Turbine Location
  - Photopoint
  - Photoline
  - Road
- Distance Zone**
- Foreground (0 to 2.0 miles)
  - Middleground (2.0 to 3.7 miles)
  - Background (3.7 to 5.0 miles)

St. Vincent Catholic Church (32MO1337)

Figure 2  
Distance Zones for the St. Vincent Catholic Church  
Oliver III Wind Energy Center  
Morton County, North Dakota





Source: USGS 7.5-Minute Series Topographic Maps: Crown Butte, Crown Butte NW, Fort Clark SE, Nelson Lake; TIGER Roads, ND SHPO data provided July 2011, and Project layout data provided by NextEra Energy 9/02/2011 (turbines).

**Facility Layout 9/2/2011**

● Proposed Turbine Location

**Distance Zone**

■ Foreground (0 to 2.0 miles)

■ Middleground (2.0 to 3.7 miles)

■ Background (3.7 to 5.0 miles)

† St. Vincent Cemetery (32MO186)

● Photopoint

— Photoline

— Road

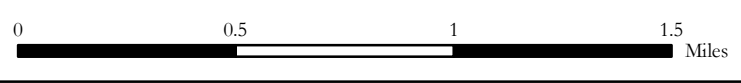


Figure 3  
Distance Zones for the St. Vincent Cemetery  
Oliver III Wind Energy Center  
Morton County, North Dakota



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**APPENDIX B**  
**CONSULTATION LETTERS AND RESPONSES**

March 12, 2010

Susan Quinnell  
Review and Compliance Coordinator  
North Dakota State Historic Preservation Office  
612 East Boulevard Drive  
Bismarck, North Dakota 58505

Subject: Request for Comment on the Morton County Wind Energy Center and Oliver III Transmission Line, Morton and Oliver Counties, North Dakota.

Dear Ms. Quinnell:

On September 7, 2009, Tetra Tech contacted the North Dakota State Historic Preservation Office (SHPO) and requested assistance in identifying areas of concern within the proposed Oliver III Transmission Line. The SHPO response (ND SHPO REF: 09-1694), dated September 15, 2009 requested the completion of a Class I file search followed by a Class III pedestrian survey. Since that time the plans for this project have developed and Tetra Tech would like to provide the SHPO an opportunity to further comment on the proposed Project's potential to affect archaeological sites, architectural properties, and traditional cultural properties.

**PROJECT DESCRIPTION AND SETTING:** Tetra Tech EC Inc. (Tetra Tech) has been retained by NextEra Energy Resources, LLC (NextEra Energy) to provide cultural resource services for the proposed Morton County Wind Energy Center and Oliver III Transmission Line (the Project) in Morton and Oliver Counties, North Dakota.

NextEra Energy proposes to develop a 49.5-megawatt (MW) wind energy center in portions of Morton County and a transmission line in portions of Morton and Oliver Counties (see attached map). The proposed Project will include up to 33 turbines, up to 30 miles of access roads and above/below ground electrical collection system cabling, and up to 30 acres for other Project related facilities (electrical substation, an operations and maintenance (O&M) building, and laydown areas). The Project will also include the construction of approximately 11 miles of above ground transmission line.

**FEDERAL/STATE INVOLVEMENT:** At this point, no Federal involvement is anticipated for this project. Since the size of the proposed wind energy center is under 60 MW, no State involvement is anticipated for the wind energy center. However, two applications will be submitted to the North Dakota Public Service Commission (PSC) for the transmission line portion of the Project. Applications will include a certificate of corridor compatibility and an application for a route permit. These applications are being developed but have yet to be filed with PSC.

**STATUS OF CULTURAL RESOURCE WORK:** A Class I Literature Search was conducted for the proposed Project area in July 2009. During the literature search, a 1-mile buffer was utilized for archaeological resources and a 1.5-mile buffer was utilized for architectural properties for the wind energy center. A 1-mile buffer was utilized for archaeological resources and architectural properties for the transmission line. The literature search revealed 40 archaeological

sites and 11 isolated finds/site leads within the Project area. At this time, proposed project plans do not intersect previously identified archaeological sites and direct impacts are not anticipated.

Three architectural history properties were identified during the Class I file search. These properties were recorded as historic and architectural site components during archaeological surveys. Architectural properties include two farmsteads and one school. The farmsteads are considered not eligible for the NRHP and the school has not been evaluated.

A Class III cultural resource inventory was initiated in October 2009 within portions of the wind energy center and transmission line. Due to inclement weather, the survey was not fully completed during the 2009 field season. To date, 12 new archaeological sites have been documented. Sites include Native American stone circles and cairns, Euro-American linear stone features, Euro-American foundations and abandoned farmsteads, stone piles of unknown cultural affiliation, and a lithic scatter. Tetra Tech will complete the Class III cultural resource inventory in spring 2010 for portions of the wind resource area and transmission line that were not surveyed in October 2009. Upon completion of the cultural survey, a summary report documenting the results of the field survey will be provided to the SHPO.

**REQUESTED INPUT FROM SHPO:** Tetra Tech would like to request the SHPO's comments on the size of the APE for visual effects. Based on similar projects in other adjoining states, a 1.5-mile APE for visual effects has been appropriate to identify National Register listed or eligible properties that may be impacted by the proposed wind energy center and a 1-mile APE for visual effects has been appropriate for similar transmission lines.

We would also like to be aware of any concerns the SHPO may have in regards to archaeological sites, architectural properties, and traditional cultural properties in the vicinity of the proposed Project area. Considerations of your agencies' resource concerns will greatly aid in identifying possible Project impacts and cultural resource issues.

Please feel free to contact me by telephone (612-643-2234) or by email (erika.eigenberger@tetrattech.com) if you have any questions concerning this request.

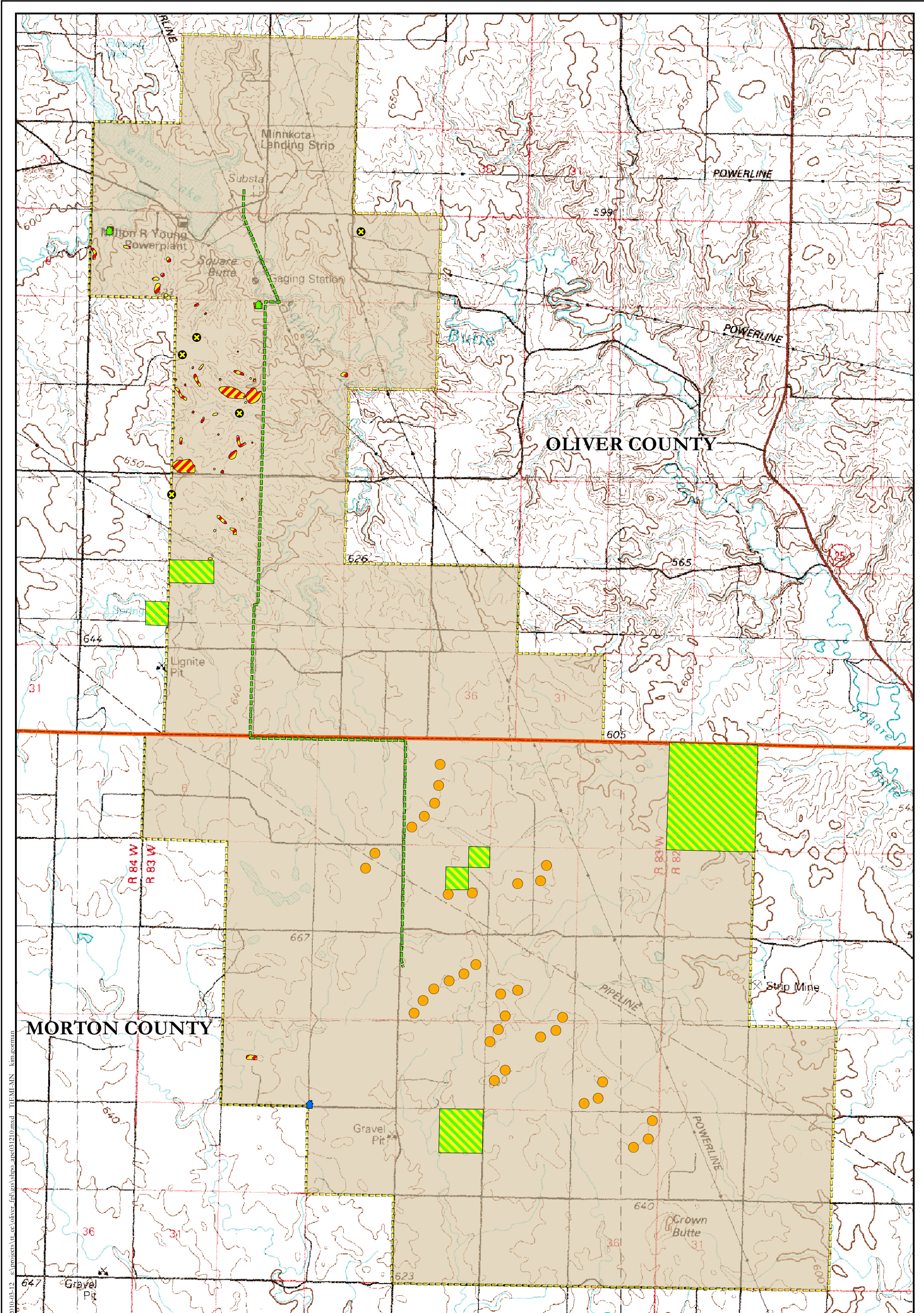
Sincerely,

Erika L. Eigenberger  
Archaeologist/Environmental Scientist

Enclosures

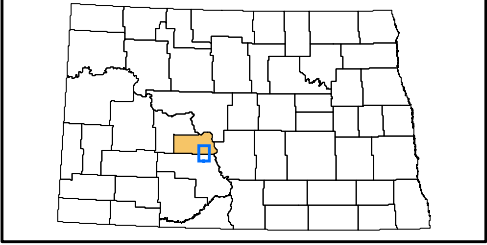
cc:

Mr. Allen Wynn, NextEra Energy Resources  
Ms. Anne-Marie Griger, Tetra Tech  
Ms. Tracey Martorano, Tetra Tech  
Mr. Sean Flannery, Tetra Tech



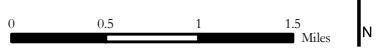
2010-03-12 s:\projects\oliver\gis\shpo\_ape\031210.mxd TEMPL-MN kim.gorman

Source: North Dakota GIS Hub Web Map Service (USGS 100K Topographic Map) and archaeological and architectural history site data digitized from hard copy site files obtained at the ND SHPO office on 7/22/2009.



- |                            |                  |                         |
|----------------------------|------------------|-------------------------|
| Proposed Turbine Location  | Archaeology Site | Structures Not Eligible |
| Proposed Transmission Line | Site Lead        | Not Evaluated           |
| Project Area               | Isolated Find    |                         |
| County Boundary            |                  |                         |

Site Vicinity Map  
Morton County Wind Energy Center and  
Oliver III Transmission Line Project





**STATE  
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SOCIETY  
OF NORTH DAKOTA**

RECEIVED 3/19/2010

*Handwritten signature*

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Department

Francis Ziegler  
Director  
Department of Transportation

Merlan E. Paaverud, Jr.  
Director

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September 15, 2009

Ms. Erika Eigenberger  
Archaeologist/Environmental Scientist  
Tetra-Tech, EM Inc.  
2001 Killebrew Drive Suite 141  
Bloomington MN 55425

**ND SHPO REF: 09-1694 Cultural Resource Request of SHPO re Morton County  
Wind Energy Center and Oliver III Transmission Line, Morton and Oliver Counties,  
North Dakota**

Dear Ms. Eigenberger,

We received your request for comment on the above captioned projects. We are evaluating a wind turbine visual effect policy now and are reviewing projects individually for visual effect survey recommendations at this time. We would like to see:

- The site forms you have completed to date
- Homesteads surveyed from the road (Class II Reconnaissance) in  
T140N R83W Section 9 SE ¼  
T140N R83W Section 14 SE ¼  
T140N R83W Section 34 NE ¼
- Visual effect information (line of sight to wind turbines) from these two sites:  
St Vincent Church Site 32MO 1337 [T139N R83W Section 2 NE ¼ NW ¼  
NW ¼]  
Fieldstone and cement building Site 32MO180 [T137N R81W Section 10 SW  
¼ NW ¼ NW ¼]
- Any other field comments regarding line of sight observations you may have, including a description of the type of proposed wind turbine with full height (including blade).

Thank you very much for the opportunity to review this project to date. We look forward to further review of the Class III report. If you have any questions please contact Susan Quinnell, Review and Compliance Coordinator at (701) 328-3576, e-mail [squinnell@nd.gov](mailto:squinnell@nd.gov)

Sincerely,

*Handwritten signature of Merlan E. Paaverud, Jr.*

Merlan E. Paaverud, Jr.  
State Historic Preservation Officer (North Dakota) and  
Director State Historical Society of North Dakota

## RE: Wind Turbine Visual Effects Policy

Quinnell, Susan L. [squinnell@nd.gov]

**Sent:** Wednesday, June 22, 2011 3:29 PM

**To:** Holven, Adam

---

Hi Adam, Thanks for asking. We still treat visual effects on a case by case basis. Nothing has changed on your project that I know.

Susan Quinnell  
Review and Compliance Coordinator  
State Historical Society of North Dakota  
ND State Historic Preservation Office  
North Dakota Heritage Center  
612 East Boulevard Avenue  
Bismarck, ND 58505-0830

701/328-3576  
701/328-3710 FAX

---

**From:** Holven, Adam [mailto:adam.holven@tetrattech.com]

**Sent:** Wednesday, June 22, 2011 1:45 PM

**To:** Quinnell, Susan L.

**Subject:** Wind Turbine Visual Effects Policy

Susan,

In March 2010, we had some conversations with you regarding the SHPO's development of a visual effects policy for wind turbines. At that time, we looked at a four properties (per your request) around one of our wind parks located south of Center (Morton County Wind Energy Project). Your request at that time was to complete site forms at the completion of the report, photo-document the properties, and provide turbine height information in the final report.

We are anticipating wrapping up fieldwork for this project in July and completing the report soon after and I would like to know if there has been updates to the visual effects policy for wind turbines.

Thanks,  
Adam

**Adam C. Holven** | Senior Archaeologist/Project Manager  
Direct: 612.643.2237 | Main: 612.643.2200 | Fax: 612.643.2201  
[adam.holven@tetrattech.com](mailto:adam.holven@tetrattech.com)

Tetra Tech | EMI

2001 Killebrew Drive, Suite 141 | Bloomington, Minnesota 55425 | [www.tetrattech.com](http://www.tetrattech.com)

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*Director  
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*Director*

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September 26, 2011

Ms. Ann-Marie Griger AICP  
Tetra Tech EC, Inc.  
7800 Shoal Creek Blvd, Suite 253 East  
Austin TX 78757

**ND SHPO REF: 11-1281 PSC/NextEra Energy Resources, LLC Oliver III Wind Energy Center in Morton County, North Dakota**

Dear Ms. Griger,

We reviewed your preliminary information regarding ND SHPO REF: 11-1281 PSC/NextEra Energy Resources, LLC Oliver III Wind Energy Center in Morton County, North Dakota. There is potential for unrecorded and recorded cultural resource properties in a variety of physiographic settings in the overall project area. If the project requires permits issued by a federal and/or state agency (e.g., WAPA, RUS, COE, USFWS, BOR, PSC) then the respective agencies are to be consulted regarding their recommendations on the project. As a potential federal undertaking, we encourage agency consultation as part of the review process. Consultation should also include tribal nations, North Dakota Indian Affairs, ND DOT regarding any Scenic Byways, and managers or owners of properties maintained for recreational or scenic value.

We recommend a Class I Cultural Resource Inventory (file and records search with project maps) be submitted to this office. A Class II (reconnaissance) survey is warranted for standing structures in the visual Area of Potential Effect (APE). **ND SHPO requests a map of the actual placement areas of wind turbines to determine the visual Area of Potential Effect, as we don't use a set distance for visual effects.** Class III (pedestrian) surveys will be warranted for all areas directly impacted by the project, including crane paths, access roads, transmissions lines and turbine pads. We encourage that tribal monitors be invited to survey the APE. As part of the Class III Inventory, NDCRS site updates should be submitted on all sites resurveyed.

Thank you for the opportunity to review this project to date. We look forward to further review of cultural resource surveys and site forms. If you have any questions please contact Paul Picha, Chief Archaeologist (701) 328-3574 or Susan Quinnell, Review and Compliance Coordinator at (701) 328-3576, e-mail [squinnell@nd.gov](mailto:squinnell@nd.gov)

Sincerely,

  
Merlan E. Paaverud, Jr.  
State Historic Preservation Officer (North Dakota) and  
Director, State Historical Society of North Dakota

C: Patrick Fahn, PSC



### RECORD OF COMMUNICATION

TELEPHONE CONVERSATION      DATE: October 4, 2011  
 Incoming      TIME: 1:30 pm  
 Outgoing      RECORDED BY: Adam Holven  
 MEETING      PROJECT NO.: 103I0979 – Oliver III/Morton County

SUBJECT: Human remains identified in Walsh County

PARTICIPANTS (*Denotes part-time attendance)	ORGANIZATION	TELEPHONE/ext.
<u>Adam Holven</u>	<u>TT EMI</u>	<u>612-643-2237</u>
<u>Susan Quinnell</u>	<u>ND SHPO</u>	<u>701-328-3576</u>
_____	_____	_____

SUMMARY: On October 4, 2011, Mr. Adam Holven contacted Ms. Susan Quinnell, Review and Compliance Coordinator, SHSND, to discuss the SHSND letter dated September 26, 2011 and to determine if the APE for visual effects would need to be reevaluated for this the Project. Ms. Quinnell indicated that when the SHSND’s September 26, 2011 letter was drafted, it was unclear if this Project was the same project referenced in the March 19, 2010 letter. After it was determined that these letters reference the same project, Ms. Quinnell indicated that the APE for visual effects would not have to be re-evaluated and that the recommendations in the March 19, 2010 were still applicable. Ms. Quinnell indicated she would send an email summarizing this conversation.

*ACTION ITEMS*

*DUE DATE*

---

DISTRIBUTION:    PARTICIPANTS    OTHER    FILE   Page 1 of 1

## **ND SHPO Ref: 11-1281 clarification on September 26, 2011 letter**

Quinnell, Susan L. [squinnell@nd.gov]

**Sent:** Tuesday, October 04, 2011 2:22 PM

**To:** Holven, Adam

---

Hi Adam,

Thanks for the telephone call on Oliver III Wind Energy Center. You have already completed the Class II survey back in 2010 for this wind project. I simply did not remember that survey until you mentioned the details. We look forward to review of the Class III survey on reroutes, etc.

Thanks again.

Susan Quinnell  
Review and Compliance Coordinator  
ND State Historic Preservation Office  
State Historical Society of North Dakota  
North Dakota Heritage Center  
612 East Boulevard Avenue  
Bismarck ND 58505-0830

701-328-3576

701-328-3710 FAX

**APPENDIX C**  
**SITE FORMS**

# NDCRS ARCHITECTURAL SITE FORM PAGE 1

SITS# 32 MO x539

### SITE IDENTIFICATION

Field Code 979.500 Site Name \_\_\_\_\_

Site Name \_\_\_\_\_

Map Quad Crown Butte NW

Map Quad \_\_\_\_\_

LTL \_\_\_ TWP 140 R 83 SEC 9 QQQ 5 QQ 6 Q 6

LTL \_\_\_ TWP \_\_\_\_\_ R \_\_\_\_\_ SEC \_\_\_\_\_ QQQ \_\_\_\_\_ QQ \_\_\_\_\_ Q \_\_\_\_\_

LTL \_\_\_ TWP \_\_\_\_\_ R \_\_\_\_\_ SEC \_\_\_\_\_ QQQ \_\_\_\_\_ QQ \_\_\_\_\_ Q \_\_\_\_\_

LTL \_\_\_ TWP \_\_\_\_\_ R \_\_\_\_\_ SEC \_\_\_\_\_ QQQ \_\_\_\_\_ QQ \_\_\_\_\_ Q \_\_\_\_\_

UTM 5202177 N

ZONE 14N

UTM 335875 E

NAD 1927 \_\_\_ NAD 1983

City: \_\_\_\_\_

Street Number: \_\_\_\_\_

Street Name: County Road 83

Urban Legal Description: \_\_\_\_\_

Subsection:
1 = N½
2 = E½
3 = S½
4 = W½
5 = NE¼
6 = SE¼
7 = SW¼
8 = NW¼

### SITE DATA

Total # **Architectural** Features: 4

Fieldwork Date: 4/8/2010

Reconnaissance Survey  Intensive Survey

Project Title & Supervisor:

Oliver III Wind Energy Center  
Adam Holven

Report Title & Author(s):

Class II Historical Architecture Reconnaissance Survey, Oliver III Wind Energy Center, Morton County, North Dakota. Adam Holven

Additional Information: \_\_\_\_\_

### SHSND USE

Area of Significance _____	Ecozone _____	Verified Site _____	CR Type _____
Area of Significance _____	Ecozone _____	Non-Site _____	
Area of Significance _____			

Recorded By Adam Holven Date Recorded 1/4/2012  
(First Name & Last Name) (mm/dd/year)

Instructions to complete a digital version of this form: (1) Download a copy to your hard drive; (2) Open the saved blank copy; (3) Fill out the form; (4) Use the Save As command to rename the form appropriately and save; (5) Print and submit to SHSND.

## NDCRS ARCHITECTURAL SITE FORM PAGE 2—Feature Data

Field Code 979.500SITS# 32 MO x539

**Complete one Page 2 for each architectural feature at the site.**

Architectural Feature # 1

Construction Date \_\_\_\_\_

Feature Type 40Condition 7Feature Date 7Context 13Plan Shape 5Structural System 26Primary Exterior 26Style Ranch/Split Level

Original Owner's Ethnicity \_\_\_\_\_

Secondary Exterior \_\_\_\_\_

Architect/Builder \_\_\_\_\_

Other Information: Light blue color exterior, garage on the north side of houseFoundation \_\_\_\_\_ Stories 1Roof/Cornice GableWindow most original windows and openings intactDating Method(s): County Atlas, Plat Maps

**Feature Preservation Recommendation(s) (Check all that apply):**

 Individual nomination Contributes to a potential district No nomination potential Will not contribute to a district Potential district—feature would be a contributing element if other properties constitute a district Thematic nomination potential Component of a historic site or landscape

Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility

 Historical associations require further investigationRecorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)

*Instructions to complete a digital version of this form: (1) Download a copy to your hard drive; (2) Open the saved blank copy; (3) Fill out the form; (4) Use the Save As command to rename the form appropriately and save; (5) Print and submit to SHSND.*

**NDCRS ARCHITECTURAL SITE FORM  
PAGE 3—Feature Data**Field Code 979.500SITS# 32 MO x539**Complete a Page 3 for each feature.****1. Feature Description, Integrity, Eligibility:**

Feature 1 is a light-blue ranch style house located in an agricultural area off County Road 83. The house is located on the west side of the farmstead and is difficult to observe from the public road ROW. A review of historic plat maps reveals this farmstead was not present in 1917 (Geo A. Ogle and Company 1917), but was present by 1962 (Midwest Atlas Company 1962), therefore the farmstead is at least 49 years old.

The house appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the house indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the house be recommended as not eligible for inclusion to the National Register.

Recorded By Adam Holven Date Recorded 1/4/2012  
(First Name & Last Name) (mm/dd/year)

*Instructions to complete a digital version of this form:* (1) Download a copy to your hard drive; (2) Open the saved blank copy; (3) Fill out the form; (4) Use the Save As command to rename the form appropriately and save; (5) *Print* and submit to SHSND.

**NDCRS ARCHITECTURAL SITE FORM  
PAGE 2—Feature Data**

Field Code 979.500

SITS# 32 MO x539

**Complete one Page 2 for each architectural feature at the site.**

**Architectural Feature #** 2

Construction Date \_\_\_\_\_

Feature Type 62

Condition 6

Feature Date 7

Context 13

Plan Shape 5

Structural System 16

Primary Exterior 16

Style Utilitarian

Original Owner's Ethnicity \_\_\_\_\_

Secondary Exterior \_\_\_\_\_

Architect/Builder \_\_\_\_\_

Other Information: Painted red with a white roof, the door faces west

Foundation \_\_\_\_\_ Stories 1

Roof/Cornice Gable

Window no windows/not applicable

Dating Method(s): County Atlas, Plat Maps

**Feature Preservation Recommendation(s) (Check all that apply):**

Individual nomination

Contributes to a potential district

No nomination potential

Will not contribute to a district

Potential district—feature would be a contributing element if other properties constitute a district

Thematic nomination potential

Component of a historic site or landscape

Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility

Historical associations require further investigation

**Recorded By** Adam Holven **Date Recorded** 1/4/2011  
(First Name & Last Name) (mm/dd/year)

*Instructions to complete a digital version of this form: (1) Download a copy to your hard drive; (2) Open the saved blank copy; (3) Fill out the form; (4) Use the Save As command to rename the form appropriately and save; (5) Print and submit to SHSND.*

**NDCRS ARCHITECTURAL SITE FORM  
PAGE 3—Feature Data**Field Code 979.500SITS# 32 MO x539**Complete a Page 3 for each feature.****1. Feature Description, Integrity, Eligibility:**

Feature 2 is a red, steel exterior outbuilding located in an agricultural area off County Road 83. The outbuilding is located on the east side of the farmstead and partially obscures views of the house from the public road ROW. A review of historic plat maps reveals this farmstead was not present in 1917 (Geo A. Ogle and Company 1917), but was present by 1962 (Midwest Atlas Company 1962), therefore the farmstead is at least 49 years old.

The outbuilding appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the outbuilding indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the outbuilding be recommended as not eligible for inclusion to the National Register.

Recorded By Adam Holven Date Recorded 1/4/2011  
(First Name & Last Name) (mm/dd/year)

*Instructions to complete a digital version of this form:* (1) Download a copy to your hard drive; (2) Open the saved blank copy; (3) Fill out the form; (4) Use the Save As command to rename the form appropriately and save; (5) *Print* and submit to SHSND.

## NDCRS ARCHITECTURAL SITE FORM PAGE 2—Feature Data

Field Code 979.500SITS# 32 MO x539

**Complete one Page 2 for each architectural feature at the site.**

Architectural Feature # 3

Construction Date \_\_\_\_\_

Feature Type 62Condition 6Feature Date 7Context 13Plan Shape 5Structural System 3Primary Exterior 3Style Utilitarian

Original Owner's Ethnicity \_\_\_\_\_

Secondary Exterior \_\_\_\_\_

Architect/Builder \_\_\_\_\_

Other Information: Red and tan/yellow brick exterior with one large cattle door located on the north sideFoundation \_\_\_\_\_ Stories 1Roof/Cornice GableWindow most original windows and openings intactDating Method(s): County Atlas, Plat Maps

**Feature Preservation Recommendation(s) (Check all that apply):**

 Individual nomination Contributes to a potential district No nomination potential Will not contribute to a district Potential district—feature would be a contributing element if other properties constitute a district Thematic nomination potential Component of a historic site or landscape

Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility

 Historical associations require further investigationRecorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 3—Feature Data**Field Code 979.500SITS# 32 MO x539**Complete a Page 3 for each feature.****1. Feature Description, Integrity, Eligibility:**

Feature 3 is a red and yellow/tan brick exterior cattle barn located in an agricultural area off County Road 83. The barn is located on the north side of the farmstead and is connected to a cattle lot. A review of historic plat maps reveals this farmstead was not present in 1917 (Geo A. Ogle and Company 1917), but was present by 1962 (Midwest Atlas Company 1962), therefore the farmstead is at least 49 years old.

The barn appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the barn indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the barn be recommended as not eligible for inclusion to the National Register.

Recorded By Adam Holven Date Recorded 1/4/2012  
(First Name & Last Name) (mm/dd/year)

*Instructions to complete a digital version of this form:* (1) Download a copy to your hard drive; (2) Open the saved blank copy; (3) Fill out the form; (4) Use the Save As command to rename the form appropriately and save; (5) *Print* and submit to SHSND.

## NDCRS ARCHITECTURAL SITE FORM PAGE 2—Feature Data

Field Code 979.500SITS# 32 MO x539

**Complete one Page 2 for each architectural feature at the site.**

Architectural Feature # 4

Construction Date \_\_\_\_\_

Feature Type 62Condition 5Feature Date 7Context 13Plan Shape 5Structural System 16Primary Exterior 16Style Utilitarian

Original Owner's Ethnicity \_\_\_\_\_

Secondary Exterior \_\_\_\_\_

Architect/Builder \_\_\_\_\_

Other Information: Galvanized steel exterior with galvanized steel roof within the cattle lotFoundation \_\_\_\_\_ Stories 1Roof/Cornice GableWindow no windows/not applicableDating Method(s): County Atlas, Plat Maps

**Feature Preservation Recommendation(s) (Check all that apply):**

 Individual nomination Contributes to a potential district No nomination potential Will not contribute to a district Potential district—feature would be a contributing element if other properties constitute a district Thematic nomination potential Component of a historic site or landscape

Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility

 Historical associations require further investigationRecorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 3—Feature Data**Field Code 979.500SITS# 32 MO x539**Complete a Page 3 for each feature.****1. Feature Description, Integrity, Eligibility:**

Feature 4 is a galvanized steel exterior cattle barn located in an agricultural area off County Road 83. The barn is located on the northwest side of the farmstead and is connected to a cattle lot. A review of historic plat maps reveals this farmstead was not present in 1917 (Geo A. Ogle and Company 1917), but was present by 1962 (Midwest Atlas Company 1962), therefore the farmstead is at least 49 years old.

The barn appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the barn indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the barn be recommended as not eligible for inclusion to the National Register.

Recorded By Adam Holven Date Recorded 1/4/2012  
(First Name & Last Name) (mm/dd/year)

*Instructions to complete a digital version of this form:* (1) Download a copy to your hard drive; (2) Open the saved blank copy; (3) Fill out the form; (4) Use the Save As command to rename the form appropriately and save; (5) *Print* and submit to SHSND.

**NDCRS ARCHITECTURAL SITE FORM  
PAGE 4—SITE DESCRIPTION**Field Code 979.500SITS# 32 MO x539**Complete one Page 4 for the entire site.**

## 2. Owner's Contact Information:

Not Available

## 3. Access (to rural areas):

From the intersection of Interstate 94 and County Road 83 (Exit 140), go north on County Road 83 for 6.4 miles. The farmstead is located on the left (west) side of the road.

4. Site Area (ft<sup>2</sup>): 209,0005. Description of **SETTING**:

The farmstead is located in an agricultural area with County Road 83 located to the east and cultivated fields located beyond. Another newer-looking ranch-style house and wooded areas are located to the south. Wooded areas, cultivated fields, pasture, and small drainage are located to the west and pasture and cultivated fields are located to the north. The house is located on the southwest side of the farmstead. A gravel driveway extends eastward from the house to County Road 83. North of the house is red metal outbuilding that appears to be used for machine storage. North of this building lies a brick cattle barn, cattle lot, and metal building in the cattle lot.

Recorded By Adam Holven Date Recorded 1/4/2012  
(First Name & Last Name) (mm/dd/year)

*Instructions to complete a digital version of this form:* (1) Download a copy to your hard drive; (2) Open the saved blank copy; (3) Fill out the form; (4) Use the Save As command to rename the form appropriately and save; (5) *Print* and submit to SHSND.

**NDCRS ARCHITECTURAL SITE FORM  
PAGE 5—SITE DESCRIPTION**Field Code 979.500SITS# 32 MO x539**6. Summary of ALL Site Features & Evaluation of Significance:**

Property 32MOx539 (Farmstead) is an active farmstead located along the west side County Road 83 within the southeast  $\frac{1}{4}$  of Section 9, Township 140 North, Range 83 West. The farmstead includes one ranch-style house, two metal outbuildings (one painted red, the other galvanized steel), a brick barn, and a cattle lot. The buildings at this farmstead appear to be more recent than those observed at other farmsteads in the area. A review of historic plat maps reveals this farmstead was not present in 1917 (Geo A. Ogle and Company 1917), but was present by 1962 (Midwest Atlas Company 1962).

The farmstead appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed. Tetra Tech's preliminary evaluation of the farmstead indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B). Tetra Tech's preliminary evaluation suggests the farmstead be recommended as not eligible for inclusion to the National Register.

**7. References/Comments:**

Geo. A. Ogle and Company

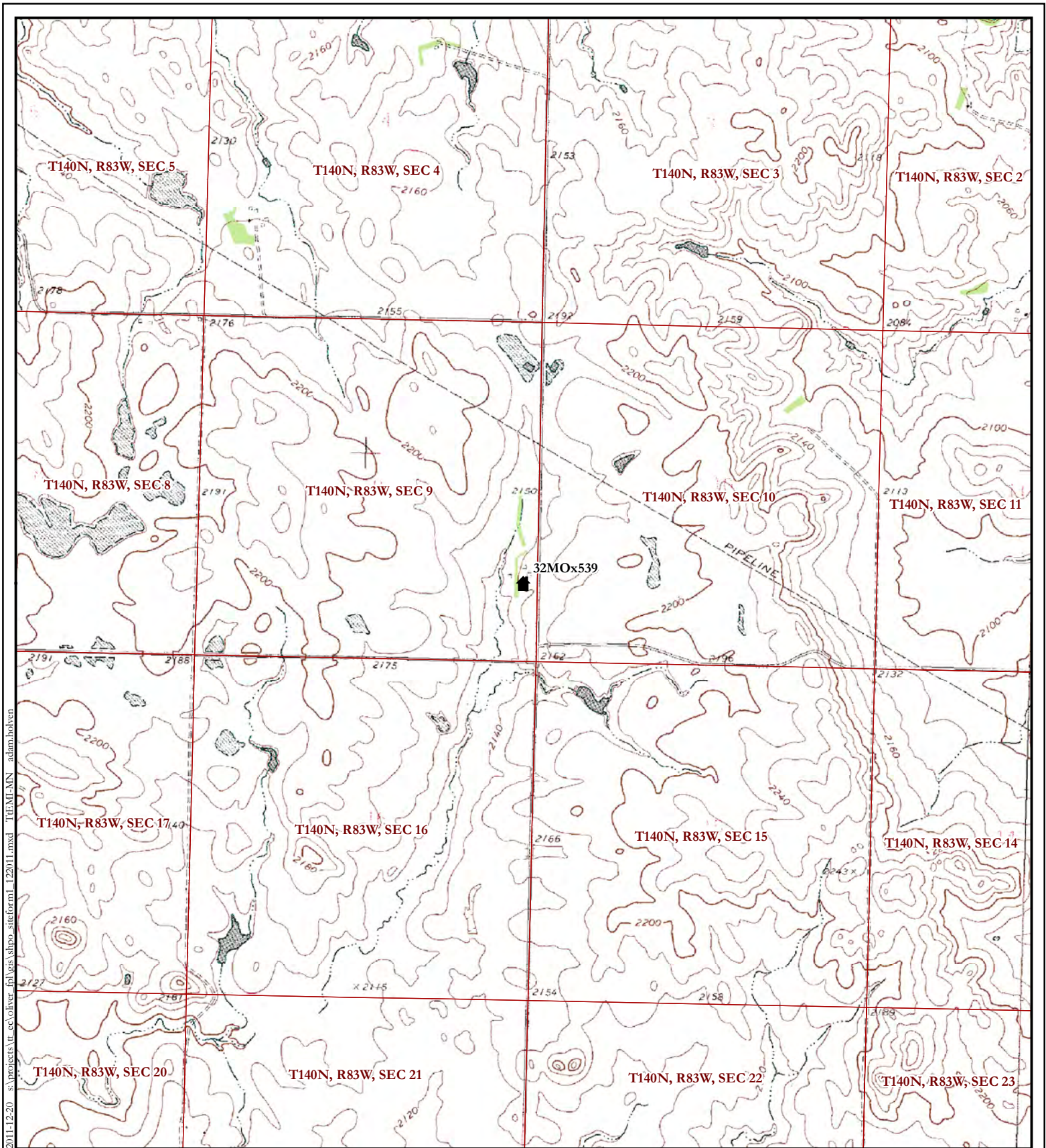
1917 Standard Atlas of Morton County, North Dakota. Geo. A. Ogle and Company, Chicago, Illinois.

Midwest Atlas Company

1962 Atlas of Morton County, North Dakota. Midwest Atlas Company, Fergus Falls, Minnesota.



Recorded By Adam Holven Date Recorded 1/4/2011  
(First Name & Last Name) (mm/dd/year)

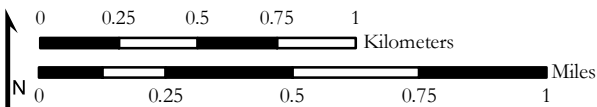
*Instructions to complete a digital version of this form:* (1) Download a copy to your hard drive; (2) Open the saved blank copy; (3) Fill out the form; (4) Use the Save As command to rename the form appropriately and save; (5) *Print* and submit to SHSND.



Source: USGS 7.5-Minute Topographic Quadrangles: Crown Butte NW (1972) and Crown Butte (1972), North Dakota. Southeast 1/4 of Sec. 9, T140N, R83W, Morton County, North Dakota.



-  Farmstead
-  PLS Section Boundary



1:24,000

Figure 1  
 Site Location  
 Class II Historical Architecture Reconnaissance Survey  
 Oliver III Wind Energy Center



2011-12-20 s:\projects\it-evolver-falgout-shpo-siteform-122011.mxd T140N, R83W, Morton County, North Dakota

2011-12-20 s:\projects\1\_e\oliver\_fpl\gis\shp\siteform2\_122011.mxd TEMPL\MN adam.holven



Source: 2010 NAIP Aerial Photography - Morton County, TIGER Roads, Public Land Survey data, and Tetra Tech cultural survey data collected through 10/13/2011.



**Property 32MOx539 Boundary**

**Architectural Feature**

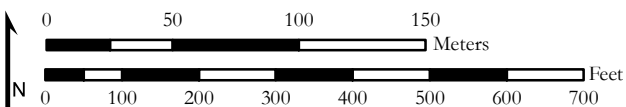


Figure 2  
Site Location  
Class II Historical Architecture Reconnaissance Survey  
Oliver III Wind Energy Center



1:3,000



**Photograph 1 (South): An overview of Property 32MOx539 from County Road 83. Photograph taken on 4/8/10.**



**Photograph 2 (Southwest): A view toward Property 32MOx539 from County Road 83. The painted steel building is in the foreground and the ranch-style house is located in the background. Photograph taken on 4/8/10.**



**Photograph 3 (West):** A view toward Property 32MOx539 from County Road 83. The house is in the foreground. Photograph taken on 8/28/09 by Swenson, Hagen and Company.



**Photograph 4 (Northwest):** A view towards Property 32MOx539 from County Road 83. Most of the farm is obscured by trees with the exception of the red outbuilding. The grain bins and blue house in the foreground are not part of Property 32MOx539. Photograph taken on 4/8/10.

# NDCRS ARCHITECTURAL SITE FORM PAGE 1

SITS# 32 MO x540

### SITE IDENTIFICATION

Field Code 979.501 Site Name \_\_\_\_\_

Site Name \_\_\_\_\_

Map Quad Crown Butte

Map Quad \_\_\_\_\_

LTL \_\_\_ TWP 140 R 83 SEC 14 QQQ 5 QQ 5 Q 6

LTL \_\_\_ TWP \_\_\_\_\_ R \_\_\_\_\_ SEC \_\_\_\_\_ QQQ \_\_\_\_\_ QQ \_\_\_\_\_ Q \_\_\_\_\_

LTL \_\_\_ TWP \_\_\_\_\_ R \_\_\_\_\_ SEC \_\_\_\_\_ QQQ \_\_\_\_\_ QQ \_\_\_\_\_ Q \_\_\_\_\_

LTL \_\_\_ TWP \_\_\_\_\_ R \_\_\_\_\_ SEC \_\_\_\_\_ QQQ \_\_\_\_\_ QQ \_\_\_\_\_ Q \_\_\_\_\_

UTM 5200813 N

ZONE 14N

UTM 339048 E

NAD 1927 \_\_\_ NAD 1983

City: \_\_\_\_\_

Street Number: \_\_\_\_\_

Street Name: 31st Ave

Urban Legal Description: \_\_\_\_\_

Subsection:
1 = N½
2 = E½
3 = S½
4 = W½
5 = NE¼
6 = SE¼
7 = SW¼
8 = NW¼

### SITE DATA

Total # **Architectural** Features: 11

Fieldwork Date: 4/7/2010

Reconnaissance Survey  Intensive Survey

Project Title & Supervisor:

Oliver III Wind Energy Center  
Adam Holven

Report Title & Author(s):

Class II Historical Architecture Reconnaissance Survey, Oliver III Wind Energy Center, Morton County, North Dakota. Adam Holven

Additional Information: Additional features may be present but not visible from the public ROW

### SHSND USE

Area of Significance _____	Ecozone _____	Verified Site _____	CR Type _____
Area of Significance _____	Ecozone _____	Non-Site _____	
Area of Significance _____			

Recorded By Adam Holven Date Recorded 1/4/2012  
(First Name & Last Name) (mm/dd/year)

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## NDCRS ARCHITECTURAL SITE FORM PAGE 2—Feature Data

Field Code 979.501SITS# 32 MO x540

**Complete one Page 2 for each architectural feature at the site.**

Architectural Feature # 1

Construction Date \_\_\_\_\_

Feature Type 40Condition 3Feature Date 3Context 13Plan Shape 5Structural System 26Primary Exterior 26Style Gabled Front: Gabled L/T

Original Owner's Ethnicity \_\_\_\_\_

Secondary Exterior \_\_\_\_\_

Architect/Builder \_\_\_\_\_

Other Information: Only a limited view of the house was available from the public ROWFoundation \_\_\_\_\_ Stories 2Roof/Cornice GableWindow no windows, broken and not replacedDating Method(s): county atlas, plat maps

**Feature Preservation Recommendation(s) (Check all that apply):**

 Individual nomination Contributes to a potential district No nomination potential Will not contribute to a district Potential district—feature would be a contributing element if other properties constitute a district Thematic nomination potential Component of a historic site or landscape

Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility

 Historical associations require further investigationRecorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 3—Feature Data**Field Code 979.501SITS# 32 MO x540**Complete a Page 3 for each feature.****1. Feature Description, Integrity, Eligibility:**

Feature 1 is an abandoned house located in an agricultural area off 31st Avenue. The house is located in the center of the farmstead and is difficult to view from the public road ROW due to trees on the east and south sides. A view of the north side of the house revealed broken windows and missing doors. A review of historic plat maps reveals this farmstead was present in 1917 (Geo A. Ogle and Company 1917); therefore, it is likely the house dates from this time period.

The condition of the house is poor based on observations from the public road ROW, but it has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the house indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the house be recommended as not eligible for inclusion to the National Register.

Recorded By Adam Holven Date Recorded 1/4/2012  
(First Name & Last Name) (mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 4—SITE DESCRIPTION**Field Code 979.501SITS# 32 MO x540**Complete one Page 4 for the entire site.**

## 2. Owner's Contact Information:

Not Available

## 3. Access (to rural areas):

From the intersection of Interstate 94 and County Road 83 (Exit 140), go north on County Road 83 for 6.0 miles to County Road 140/32nd St. Turn right and head east on County Road 140/32nd St for 1 mile to 31st Avenue. Turn right and go south 0.6 miles on 31st Avenue. The farmstead is located on the right (west) side of the road.

4. Site Area (ft<sup>2</sup>): 277,0425. Description of **SETTING**:

The farmstead is located in an agricultural area with 31st Avenue located to the east and agricultural fields located beyond. Pasture and agricultural fields are located to the south, west, and north. The house is located on the center of the farmstead. A dirt/grass path extends eastward from the house to 31st Avenue. Most of the outbuildings are located to the south and west of the house; however, a few buildings are located to the north and a couple of structures are located to the east (grain bins). All buildings and structures appeared to be in poor condition. Several abandoned cars and other vehicles are on the property as well as other farm implements. These items appear to be permanent additions to the area.

Recorded By Adam Holven Date Recorded 1/4/2012  
(First Name & Last Name) (mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 5—SITE DESCRIPTION**Field Code 979.501SITS# 32 MO x540**6. Summary of ALL Site Features & Evaluation of Significance:**

The farmstead appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed. However, several of the buildings and structures do not appear to be intact and are in missing windows, doors, or other components. The presence of an abandoned mobile home and several non-functional vehicles within the farmstead appears to reduce the integrity of feeling. Tetra Tech's preliminary evaluation of the farmstead indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B). Tetra Tech's preliminary evaluation suggests the farmstead be recommended as not eligible for inclusion to the National Register.

**7. References/Comments:**

Geo. A. Ogle and Company

1917 Standard Atlas of Morton County, North Dakota. Geo. A. Ogle and Company, Chicago, Illinois.

Recorded By Adam Holven Date Recorded 1/4/2012  
(First Name & Last Name) (mm/dd/year)

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NDCRS ARCHITECTURAL SITE FORM
PAGE 2—Feature Data

Field Code 979.501

SITS# 32 MO x540

Complete one Page 2 for each architectural feature at the site.

Architectural Feature # 2

Construction Date

Feature Type 15

Condition 4

Feature Date 3

Context 13

Plan Shape 5

Structural System 26

Primary Exterior 26

Style Utilitarian

Original Owner's Ethnicity

Secondary Exterior

Architect/Builder

Other Information: Has small metal chimney in the middle and wood shingles

Foundation Stories 1

Roof/Cornice Gable

Window no windows/not applicable

Dating Method(s): county atlas, plat maps

Feature Preservation Recommendation(s) (Check all that apply):

- Individual nomination
Contributes to a potential district
No nomination potential (checked)
Will not contribute to a district
Potential district—feature would be a contributing element if other properties constitute a district
Thematic nomination potential
Component of a historic site or landscape
Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility
Historical associations require further investigation

Recorded By Adam Holven (First Name & Last Name)

Date Recorded 1/4/2012 (mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM**  
**PAGE 3—Feature Data**Field Code 979.501SITS# 32 MO x540**1. Feature Description, Integrity, Eligibility:**

Feature 2 is an abandoned outbuilding located in an agricultural area off 31st Avenue. The outbuilding is located in the northeast corner of the farmstead and is visible from the public road ROW. A review of historic plat maps reveals this farmstead was present in 1917 (Geo A. Ogle and Company 1917); therefore, it is likely the house dates from this time period.

The outbuilding appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the outbuilding indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the outbuilding be recommended as not eligible for inclusion to the National Register.

Recorded By Adam Holven Date Recorded 1/4/2012  
(First Name & Last Name) (mm/dd/year)

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## NDCRS ARCHITECTURAL SITE FORM PAGE 2—Feature Data

Field Code 979.501SITS# 32 MO x540

**Complete one Page 2 for each architectural feature at the site.**

Architectural Feature # 3

Construction Date \_\_\_\_\_

Feature Type 15Condition 4Feature Date 5Context 13Plan Shape 5Structural System 26Primary Exterior 26Style Utilitarian

Original Owner's Ethnicity \_\_\_\_\_

Secondary Exterior \_\_\_\_\_

Architect/Builder \_\_\_\_\_

Other Information: Larger outbuilding with large sliding garage doors in the frontFoundation \_\_\_\_\_ Stories 1Roof/Cornice GableWindow no windows/not applicableDating Method(s): county atlas, plat maps

**Feature Preservation Recommendation(s) (Check all that apply):**

 Individual nomination Contributes to a potential district No nomination potential Will not contribute to a district Potential district—feature would be a contributing element if other properties constitute a district Thematic nomination potential Component of a historic site or landscape

Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility

 Historical associations require further investigationRecorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 3—Feature Data**Field Code 979.501SITS# 32 MO x540**1. Feature Description, Integrity, Eligibility:**

Feature 3 is an abandoned outbuilding located in an agricultural area off 31st Avenue. The outbuilding is located north of the house (F1) in a grove of trees in the northern part of the farmstead. The east face is visible from the public road ROW. The large sliding garage door on the front suggests it was used for storage for farm machinery and may have been constructed at a later date.

The outbuilding appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the outbuilding indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the outbuilding be recommended as not eligible for inclusion to the National Register.

Recorded By Adam Holven  
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(mm/dd/year)

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## NDCRS ARCHITECTURAL SITE FORM PAGE 2—Feature Data

Field Code 979.501

SITS# 32 MO x540

**Complete one Page 2 for each architectural feature at the site.**

**Architectural Feature #** 4

Construction Date \_\_\_\_\_

Feature Type 62

Condition 4

Feature Date 3

Context 13

Plan Shape 5

Structural System 26

Primary Exterior 26

Style Utilitarian

Original Owner's Ethnicity \_\_\_\_\_

Secondary Exterior \_\_\_\_\_

Architect/Builder \_\_\_\_\_

Other Information: Medium-sized outbuilding with hinged doors on east face, windows on south side

Foundation \_\_\_\_\_ Stories 1

Roof/Cornice Gable

Window no windows, all are missing

Dating Method(s): county atlas, plat maps

**Feature Preservation Recommendation(s) (Check all that apply):**

Individual nomination

Contributes to a potential district

No nomination potential

Will not contribute to a district

Potential district—feature would be a contributing element if other properties constitute a district

Thematic nomination potential

Component of a historic site or landscape

Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility

Historical associations require further investigation

Recorded By Adam Holven  
(First Name & Last Name)

Date Recorded 1/4/2012  
(mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 3—Feature Data**Field Code 979.501SITS# 32 MO x540**1. Feature Description, Integrity, Eligibility:**

Feature 4 is an abandoned barn located in an agricultural area off 31st Avenue. The barn is located south of the house (F1) in the southeastern corner of the farmstead. The east face is visible from the public road ROW south of the farmstead. One hinged door is present on the east side, the other is missing. A metal chimney is present on the roof, which appears to be galvanized steel. Several missing windows were observed on the south side; however, the presence of windows on the north side could not be determined due to trees. A review of historic plat maps reveals this farmstead was present in 1917 (Geo A. Ogle and Company 1917); therefore, it is likely the barn dates from this time period.

The barn appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the barn indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the barn be recommended as not eligible for inclusion to the National Register.

Recorded By Adam Holven Date Recorded 1/4/2012  
(First Name & Last Name) (mm/dd/year)

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## NDCRS ARCHITECTURAL SITE FORM PAGE 2—Feature Data

Field Code 979.501SITS# 32 MO x540

**Complete one Page 2 for each architectural feature at the site.**

Architectural Feature # 5

Construction Date \_\_\_\_\_

Feature Type 62Condition 4Feature Date 3Context 13Plan Shape 5Structural System 26Primary Exterior 26Style Utilitarian

Original Owner's Ethnicity \_\_\_\_\_

Secondary Exterior \_\_\_\_\_

Architect/Builder \_\_\_\_\_

Other Information: Medium-sized barn with galvanized steel roofFoundation \_\_\_\_\_ Stories 1Roof/Cornice GableWindow no windows, a window appears to be boarded on the south side of the buildingDating Method(s): county atlas, plat maps

**Feature Preservation Recommendation(s) (Check all that apply):**

 Individual nomination Contributes to a potential district No nomination potential Will not contribute to a district Potential district—feature would be a contributing element if other properties constitute a district Thematic nomination potential Component of a historic site or landscape

Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility

 Historical associations require further investigationRecorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 3—Feature Data**Field Code 979.501SITS# 32 MO x540**1. Feature Description, Integrity, Eligibility:**

Feature 5 is an abandoned barn located in an agricultural area off 31st Avenue. The barn is located southwest of the house (F1) in the south-central portion of the farmstead. The south and east faces are visible from the public road ROW south of the farmstead (viewing northwest). One standard-sized door is present on the east side. No chimney is present on the roof, which appears to be galvanized steel. One boarded window was observed on the south side; however, due to trees, the presence of windows on the north side could not be determined. A review of historic plat maps reveals this farmstead was present in 1917 (Geo A. Ogle and Company 1917); therefore, it is likely the barn dates from this time period.

The barn appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the barn indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the barn be recommended as not eligible for inclusion to the National Register.

Recorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)

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## NDCRS ARCHITECTURAL SITE FORM PAGE 2—Feature Data

Field Code 979.501SITS# 32 MO x540

**Complete one Page 2 for each architectural feature at the site.**

Architectural Feature # 6

Construction Date \_\_\_\_\_

Feature Type 62Condition 4Feature Date 3Context 13Plan Shape 3Structural System 26Primary Exterior 26Style Utilitarian

Original Owner's Ethnicity \_\_\_\_\_

Secondary Exterior \_\_\_\_\_

Architect/Builder \_\_\_\_\_

Other Information: Large-sized outbuilding with low roof and mutiple low vehicles-sized entrancesFoundation \_\_\_\_\_ Stories 1Roof/Cornice Gable, BellcastWindow no windows observedDating Method(s): county atlas, plat maps

**Feature Preservation Recommendation(s) (Check all that apply):**

 Individual nomination Contributes to a potential district No nomination potential Will not contribute to a district Potential district—feature would be a contributing element if other properties constitute a district Thematic nomination potential Component of a historic site or landscape

Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility

 Historical associations require further investigationRecorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 3—Feature Data**Field Code 979.501SITS# 32 MO x540**1. Feature Description, Integrity, Eligibility:**

Feature 6 is an abandoned barn located in an agricultural area off 31st Avenue. The barn is located southwest of the house (F1) in the southwest corner of the farmstead. The south and east faces are visible from the public road ROW south of the farmstead (viewing northwest). Three vehicle-sized openings and one standard-sized door (door no longer present) are present on the east side. One vehicle-sized entrance was observed on the south side of the building on the west side. One small chimney is present on the roof, which appears to be galvanized steel. This building is much larger than other buildings on the farmstead and may represent a later addition.

The barn appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the barn indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the barn be recommended as not eligible for inclusion to the National Register.

Recorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)

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NDCRS ARCHITECTURAL SITE FORM
PAGE 2—Feature Data

Field Code 979.501

SITS# 32 MO x540

Complete one Page 2 for each architectural feature at the site.

Architectural Feature # 7

Construction Date

Feature Type 17

Condition 4

Feature Date 3

Context 13

Plan Shape 6

Structural System 14

Primary Exterior 14

Style Utilitarian

Original Owner's Ethnicity

Secondary Exterior 28

Architect/Builder

Other Information: The steel lattice frame of a windmill with a wood exterior around the base

Foundation Stories

Roof/Cornice

Window One window-like opening was observed on the south side of the wooded exterior

Dating Method(s): county atlas, plat maps

Feature Preservation Recommendation(s) (Check all that apply):

- Individual nomination
Contributes to a potential district
No nomination potential (checked)
Will not contribute to a district
Potential district—feature would be a contributing element if other properties constitute a district
Thematic nomination potential
Component of a historic site or landscape
Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility
Historical associations require further investigation

Recorded By Adam Holven (First Name & Last Name)

Date Recorded 1/4/2012 (mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 3—Feature Data**Field Code 979.501SITS# 32 MO x540**1. Feature Description, Integrity, Eligibility:**

Feature 7 is an abandoned windmill located in an agricultural area off 31st Avenue. The windmill is located west of the house (F1) in the west-central portion of the farmstead. The south and east faces are visible from the public road ROW south of the farmstead (viewing northwest). All that remains of the windmill is the lattice steel frame and a wooden exterior around the base of the windmill. This wooden exterior is estimated to be approximately 6 feet high; this is based on a standard sized door entry way on the east side of the windmill. Only the door frame was present; a small window frame (window not present) was observed on the south side of wooden exterior. It is likely that the wooden exterior around the base served as some protection against the wind and cold in an attempt to keep the water from freezing during the winter months.

The windmill is not intact but has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the windmill indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the windmill be recommended as not eligible for inclusion to the National Register.

Recorded By Adam Holven Date Recorded 1/4/2012  
(First Name & Last Name) (mm/dd/year)

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## NDCRS ARCHITECTURAL SITE FORM PAGE 2—Feature Data

Field Code 979.501SITS# 32 MO x540

**Complete one Page 2 for each architectural feature at the site.**

Architectural Feature # 8

Construction Date \_\_\_\_\_

Feature Type 40Condition 4Feature Date 3Context 13Plan Shape 5Structural System 26Primary Exterior 26Style Gabled Front: Gabled L/T

Original Owner's Ethnicity \_\_\_\_\_

Secondary Exterior \_\_\_\_\_

Architect/Builder \_\_\_\_\_

Other Information: Wood shingles and possibly a chimney

Foundation \_\_\_\_\_

Stories 2Roof/Cornice GabledWindow No windows/ window frames observed on the south side, but windows missingDating Method(s): county atlas, plat maps

**Feature Preservation Recommendation(s) (Check all that apply):**

 Individual nomination Contributes to a potential district No nomination potential Will not contribute to a district Potential district—feature would be a contributing element if other properties constitute a district Thematic nomination potential Component of a historic site or landscape

Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility

 Historical associations require further investigationRecorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 3—Feature Data**Field Code 979.501SITS# 32 MO x540**1. Feature Description, Integrity, Eligibility:**

Feature 8 appears to be an abandoned farmhouse located in an agricultural area off 31st Avenue. The house is located southwest of the house (F1) in the center of the farmstead. The south face is visible from the public road ROW south of the farmstead (viewing northwest). Due to trees, it is difficult to view this structure. The roof appears to be wooden shingles and 4 window frames were observed on the south face. It seems possible that this was an earlier farmhouse, but more research and access to the building would be necessary to confirm this assumption.

The house appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the house indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the house be recommended as not eligible for inclusion to the National Register.

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(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)

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## NDCRS ARCHITECTURAL SITE FORM PAGE 2—Feature Data

Field Code 979.501SITS# 32 MO x540

**Complete one Page 2 for each architectural feature at the site.**

Architectural Feature # 9

Construction Date \_\_\_\_\_

Feature Type 61Condition 4Feature Date 5Context 13Plan Shape 1Structural System 16Primary Exterior 16Style Utilitarian

Original Owner's Ethnicity \_\_\_\_\_

Secondary Exterior \_\_\_\_\_

Architect/Builder \_\_\_\_\_

Other Information: Small, short (less than 8 feet high) grain silo

Foundation \_\_\_\_\_

Stories 1Roof/Cornice Other - coneWindow no windows/not applicable

Dating Method(s): \_\_\_\_\_

**Feature Preservation Recommendation(s) (Check all that apply):**

 Individual nomination Contributes to a potential district No nomination potential Will not contribute to a district Potential district—feature would be a contributing element if other properties constitute a district Thematic nomination potential Component of a historic site or landscape

Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility

 Historical associations require further investigationRecorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 3—Feature Data**Field Code 979.501SITS# 32 MO x540**1. Feature Description, Integrity, Eligibility:**

Feature 9 is a small grain silo located in an agricultural area off 31st Avenue. The silo is located east of the house (F1) adjacent to 31st Avenue. This silo was likely added a later date and may still be in use. A second silo (F10) is located to the south of F9

The silo appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the silo indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the silo be recommended as not eligible for inclusion to the National Register.

Recorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)

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NDCRS ARCHITECTURAL SITE FORM
PAGE 2—Feature Data

Field Code 979.501

SITS# 32 MO x540

Complete one Page 2 for each architectural feature at the site.

Architectural Feature # 10

Construction Date

Feature Type 61

Condition 4

Feature Date 5

Context 13

Plan Shape 1

Structural System 16

Primary Exterior 16

Style Utilitarian

Original Owner's Ethnicity

Secondary Exterior

Architect/Builder

Other Information: Small, short grain silo

Foundation

Stories 1

Roof/Cornice Other - cone

Window no windows/not applicable

Dating Method(s): county atlas, plat maps

Feature Preservation Recommendation(s) (Check all that apply):

Individual nomination

Contributes to a potential district

[checked] No nomination potential

Will not contribute to a district

Potential district—feature would be a contributing element if other properties constitute a district

Thematic nomination potential

Component of a historic site or landscape

Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility

Historical associations require further investigation

Recorded By Adam Holven (First Name & Last Name)

Date Recorded 1/4/2012 (mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 3—Feature Data**Field Code 979.501SITS# 32 MO x540**1. Feature Description, Integrity, Eligibility:**

Feature 10 is a small grain silo located in an agricultural area off 31st Avenue. The silo is located east of the house (F1) adjacent to 31st Avenue. This silo was likely added a later date and may still be in use. A second silo (F9) is located to the north of F10.

The silo appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the silo indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the silo be recommended as not eligible for inclusion to the National Register.

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(mm/dd/year)

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## NDCRS ARCHITECTURAL SITE FORM PAGE 2—Feature Data

Field Code 979.501SITS# 32 MO x540**Complete one Page 2 for each architectural feature at the site.****Architectural Feature #** 11

Construction Date \_\_\_\_\_

Feature Type 40Condition 4Feature Date 8Context 13Plan Shape 5Structural System 16Primary Exterior 16Style Trailer House

Original Owner's Ethnicity \_\_\_\_\_

Secondary Exterior \_\_\_\_\_

Architect/Builder \_\_\_\_\_

Other Information: White with blue trim trailer house (abandoned)Foundation noneStories 1Roof/Cornice FlatWindow most original windows and openings intactDating Method(s): professional judgment**Feature Preservation Recommendation(s) (Check all that apply):** Individual nomination Contributes to a potential district No nomination potential Will not contribute to a district Potential district—feature would be a contributing element if other properties constitute a district Thematic nomination potential Component of a historic site or landscape Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility Historical associations require further investigationRecorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM**  
**PAGE 3—Feature Data**Field Code 979.501SITS# 32 MO x540**1. Feature Description, Integrity, Eligibility:**

Feature 11 is an abandoned trailer house located in an agricultural area off 31st Avenue. The trailer house is located east of the house (F1) adjacent to 31st Avenue. This trailer house was likely added a later date.

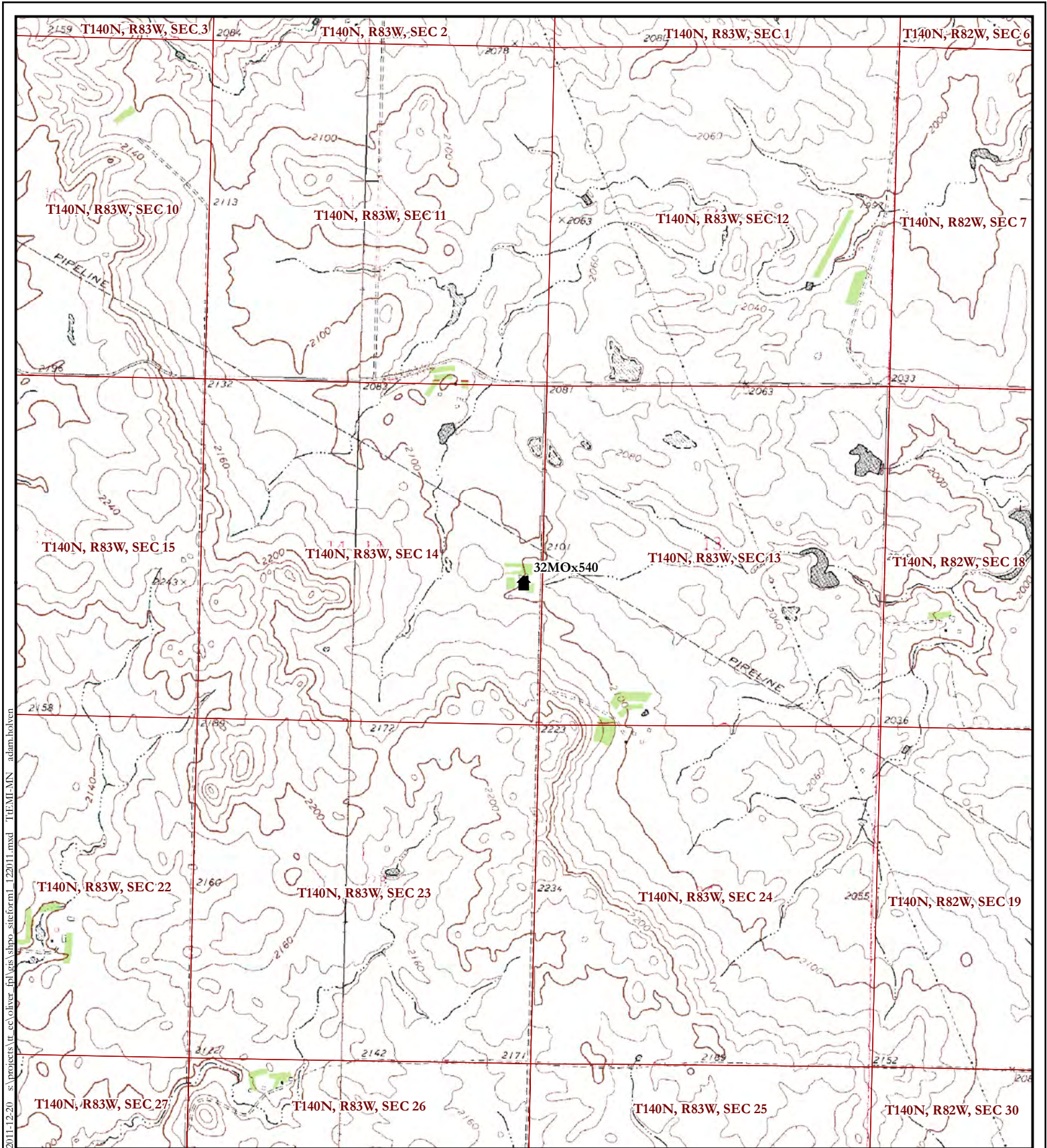
The trailer house appears intact but does not have integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the trailer house indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the trailer house be recommended as not eligible for inclusion to the National Register.

Recorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)

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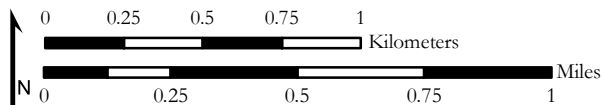


Source: USGS 7.5-Minute Topographic Quadrangles: Crown Butte (1972) and Crown Butte NW (1972), North Dakota. Southeast 1/4 of Sec. 14, T140N, R83W, Morton County, North Dakota.



🏠 Farmstead

▭ PLS Section Boundary

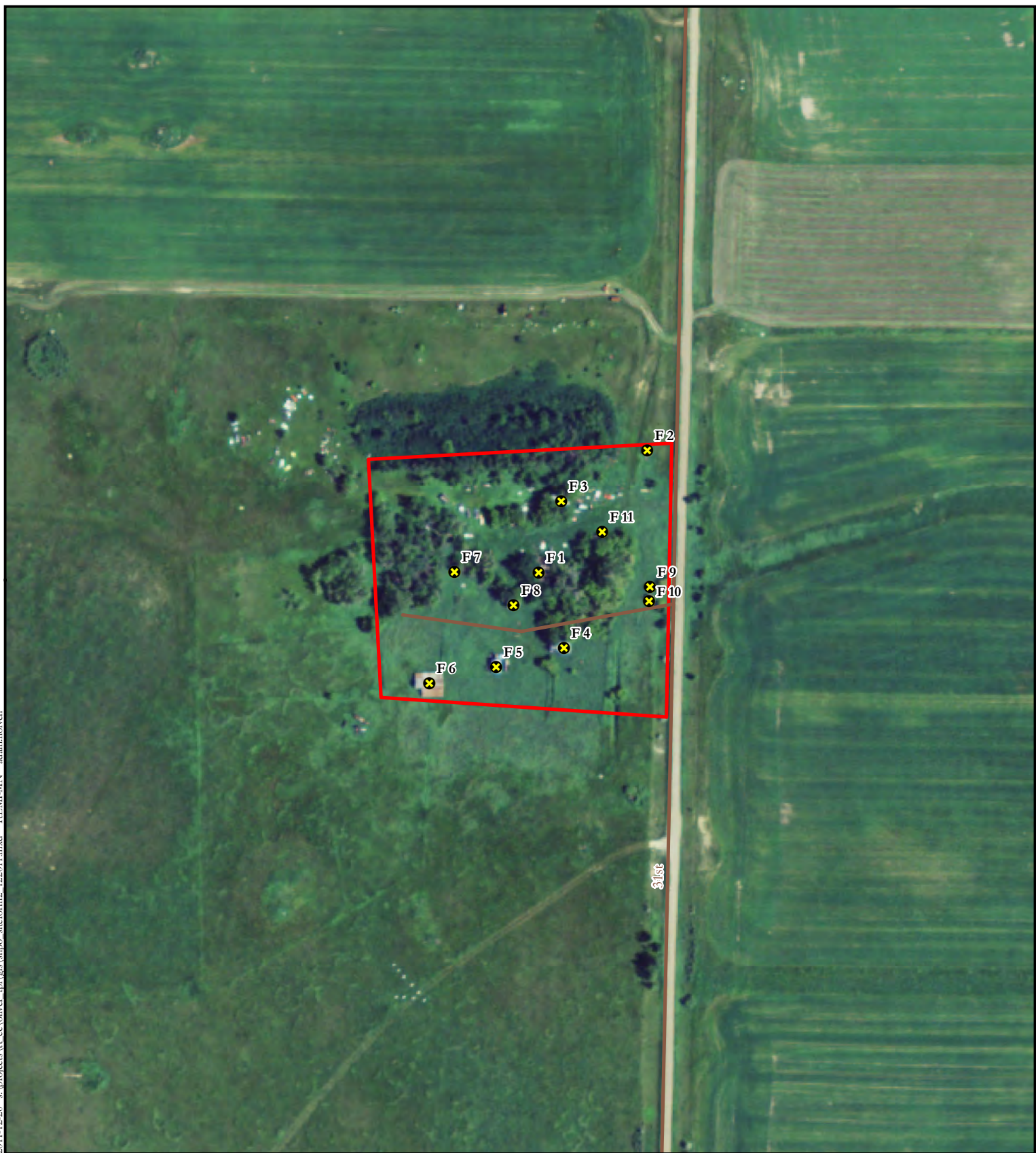


1:24,000

Figure 1  
Site Location  
Class II Historical Architecture Reconnaissance Survey  
Oliver III Wind Energy Center



s:\projects\1\_e\oliver\_fpl\gis\shp\siteform2\_122011.mxd T:\EM\MN adam.holven

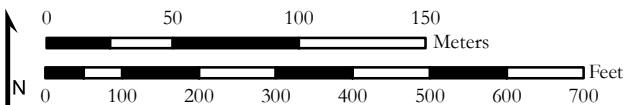


Source: 2010 NAIP Aerial Photography - Morton County, TIGER Roads, Public Land Survey data, and Tetra Tech cultural survey data collected through 10/13/2011.



**Property 32MOx540 Boundary**

✕ **Architectural Feature**



1:3,000

Figure 2  
Site Location

Class II Historical Architecture Reconnaissance Survey  
Oliver III Wind Energy Center





**Photograph 1 (Northwest):** An overview of Property 32MOx540 from 31<sup>ST</sup> Avenue. Photograph taken on 4/7/10.



**Photograph 2 (Northwest):** A view toward Feature 5 and Feature 6 from 31<sup>ST</sup> Avenue south of the farmstead. Photograph taken on 4/7/10.



Photograph 3 (Northwest): A view toward Feature 4, Feature 7, and Feature 8 from 31<sup>ST</sup> Avenue south of the farmstead. Photograph taken on 4/7/10.



Photograph 4 (West): A view toward Feature 4 from 31<sup>ST</sup> Avenue. Photograph taken on 4/7/10.



**Photograph 5 (Southwest): A view toward Feature 1, Feature 3, and Feature 11 from 31<sup>ST</sup> Avenue south of the farmstead. Photograph taken on 4/7/10.**



**Photograph 6 (West): A view toward Feature 2 from 31<sup>ST</sup> Avenue. Photograph taken on 4/7/10.**

NDCRS ARCHITECTURAL SITE FORM
PAGE 1

SITS# 32 MO x541

SITE IDENTIFICATION

Field Code 979.502 Site Name

Map Quad Crown Butte NW Site Name

Map Quad

LTL TWP 140 R 83 SEC 34 QQQ 8 QQ 8 Q 5
LTL TWP R SEC QQQ QQ Q
LTL TWP R SEC QQQ QQ Q
LTL TWP R SEC QQQ QQ Q

UTM 5196961 N ZONE 14N
UTM 336779 E NAD 1927 NAD 1983

- Subsection:
1 = N1/2
2 = E1/2
3 = S1/2
4 = W1/2
5 = NE1/4
6 = SE1/4
7 = SW1/4
8 = NW1/4

City:

Street Number:

Street Name: 35th Street

Urban Legal Description:

SITE DATA

Total # Architectural Features: 7

Fieldwork Date: 4/7/2010

Reconnaissance Survey Intensive Survey

Project Title & Supervisor:

Oliver III Wind Energy Center
Adam Holven

Report Title & Author(s):

Class II Historical Architecture Reconnaissance Survey, Oliver III Wind Energy Center, Morton County, North Dakota. Adam Holven

Additional Information: Due to a treeline, only four structures are described

SHSND USE

Area of Significance Ecozone Verified Site CR Type
Area of Significance Ecozone Non-Site
Area of Significance

Recorded By Adam Holven Date Recorded 1/4/2012
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**NDCRS ARCHITECTURAL SITE FORM**  
**PAGE 2—Feature Data**

Field Code 979.502SITS# 32 MO x541

**Complete one Page 2 for each architectural feature at the site.**

Architectural Feature # 1

Construction Date \_\_\_\_\_

Feature Type 40Condition 6Feature Date 9Context 13Plan Shape 3Structural System 18Primary Exterior 18Style Ranch/Split Level

Original Owner's Ethnicity \_\_\_\_\_

Secondary Exterior \_\_\_\_\_

Architect/Builder \_\_\_\_\_

Other Information: It has central airFoundation \_\_\_\_\_ Stories 1.5Roof/Cornice Gable, Bellcast (not an exact match, but appears to be the most similar)Window most original windows and openings intactDating Method(s): professional judgment

**Feature Preservation Recommendation(s) (Check all that apply):**

 Individual nomination Contributes to a potential district No nomination potential Will not contribute to a district Potential district—feature would be a contributing element if other properties constitute a district Thematic nomination potential Component of a historic site or landscape

Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility

 Historical associations require further investigation

Recorded By Adam Holven Date Recorded 1/4/2012  
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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 3—Feature Data**Field Code 979.502SITS# 32 MO x541**Complete a Page 3 for each feature.****1. Feature Description, Integrity, Eligibility:**

Feature 1 is a white split-level style house located in an agricultural area off 35th Street. The house is located on the north side of the farmstead. The house is visible from the public road ROW and obstructs views to the rest of the farmstead located to the south. A review of historic plat maps reveals this farmstead was present in 1917 (Geo A. Ogle and Company 1917); however, this does not appear to be the original house. It seems likely that this house was built in the 1970s or 1980s; possibly to replace the original farmhouse.

The house appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the house indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the house be recommended as not eligible for inclusion to the National Register.

Recorded By Adam Holven Date Recorded 1/4/2012  
(First Name & Last Name) (mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 4—SITE DESCRIPTION**Field Code 979.502SITS# 32 MO x541**Complete one Page 4 for the entire site.**

## 2. Owner's Contact Information:

Not Available

## 3. Access (to rural areas):

From the intersection of Interstate 94 and County Road 83 (Exit 140), go north on County Road 83 for 3.1 miles to 35th Street. Turn right (east) and proceed 0.6 miles to the farmstead. The farmstead is located on the right south side of the road.

4. Site Area (ft<sup>2</sup>): 287,0005. Description of **SETTING**:

The farmstead is located in an agricultural area with 35th Street located to the north and tree line located beyond. To the east lies agricultural cropland and pasture. To the south and west lie agricultural cropland and pasture; however, a small drainage appears to delineate the western edge of the property.

Recorded By Adam Holven Date Recorded 1/4/2012  
(First Name & Last Name) (mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 5—SITE DESCRIPTION**

Field Code 979.502SITS# 32 MO x541**6. Summary of ALL Site Features & Evaluation of Significance:**

Property 32MOx541 (Farmstead) is an active farmstead located along 35th Street within the northwest ¼ of Section 34, Township 140 North, Range 83 West. The farmstead, which first appears on the Geo A. Ogle and Company (1917) plat map, includes one modern split level-style house, one metal quonset hut, and several other outbuildings that were not visible from the road due to tree cover and other buildings. Only one wood-framed building (in addition to the house) could be observed within the farmstead (function could not be determined); however, due to dense tree cover in and around the farmstead, a detailed description of this structure and other structures within the farmstead could not be ascertained. The remaining buildings appeared to have steel exteriors. The buildings at this farmstead appeared to have been constructed throughout the existence of the farmstead, and represent different styles or themes of construction.

The farmstead appears intact and has integrity of location, setting, and feeling. Integrity of design and materials may have been compromised when elements of the farmstead were updated such as the farm house and several of the metal outbuildings. These structures do not represent the original materials or design of the farmstead, but rather represent alterations that occurred over time. Due to the scope of this assessment, integrity of workmanship or association was not addressed. Tetra Tech's preliminary evaluation of the farmstead indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B). Tetra Tech's preliminary evaluation suggests the farmstead be recommended as not eligible for inclusion to the National Register.

**7. References/Comments:**

Geo. A. Ogle and Company

1917 Standard Atlas of Morton County, North Dakota. Geo. A. Ogle and Company, Chicago, Illinois.

**Recorded By** Adam Holven **Date Recorded** 1/4/2012  
(First Name & Last Name) (mm/dd/year)

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## NDCRS ARCHITECTURAL SITE FORM PAGE 2—Feature Data

Field Code 979.502SITS# 32 MO x541

**Complete one Page 2 for each architectural feature at the site.**

Architectural Feature # 2

Construction Date \_\_\_\_\_

Feature Type 15Condition 5Feature Date 7Context 13Plan Shape 5Structural System 14Primary Exterior 16Style Utilitarian

Original Owner's Ethnicity \_\_\_\_\_

Secondary Exterior \_\_\_\_\_

Architect/Builder \_\_\_\_\_

Other Information: Quonset Hut

Foundation \_\_\_\_\_ Stories \_\_\_\_\_

Roof/Cornice QuonsetWindow no windows/not applicableDating Method(s): professional judgement

**Feature Preservation Recommendation(s) (Check all that apply):**

 Individual nomination Contributes to a potential district No nomination potential Will not contribute to a district Potential district—feature would be a contributing element if other properties constitute a district Thematic nomination potential Component of a historic site or landscape

Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility

 Historical associations require further investigationRecorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 3—Feature Data**Field Code 979.502SITS# 32 MO x541**1. Feature Description, Integrity, Eligibility:**

Feature 2 is a metal-framed quonset hut located in an agricultural area off 35th Street. The hut is located in the central area of the farmstead and is difficult to observe from the public road ROW. A review of historic plat maps reveals this farmstead was present in 1917 (Geo A. Ogle and Company 1917), but this structure was likely added after World War II.

The hut appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the hut indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the hut be recommended as not eligible for inclusion to the National Register.

Recorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)

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### NDCRS ARCHITECTURAL SITE FORM PAGE 2—Feature Data

Field Code 979.502

SITS# 32 MO x541

**Complete one Page 2 for each architectural feature at the site.**

**Architectural Feature #** 3

Construction Date \_\_\_\_\_

Feature Type 40

Condition 5

Feature Date 3

Context 13

Plan Shape 5

Structural System 26

Primary Exterior 26

Style Gabled Front: Gabled L/T

Original Owner's Ethnicity \_\_\_\_\_

Secondary Exterior \_\_\_\_\_

Architect/Builder \_\_\_\_\_

Other Information: Very difficult to view structure through trees

Foundation \_\_\_\_\_

Stories 1

Roof/Cornice Gable

Window Windows appeared to be present, but no detailed assessment could be performed

Dating Method(s): county atlas; plat maps

**Feature Preservation Recommendation(s) (Check all that apply):**

Individual nomination

Contributes to a potential district

No nomination potential

Will not contribute to a district

Potential district—feature would be a contributing element if other properties constitute a district

Thematic nomination potential

Component of a historic site or landscape

Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility

Historical associations require further investigation

Recorded By Adam Holven  
(First Name & Last Name)

Date Recorded 1/4/2012  
(mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM  
PAGE 3—Feature Data**Field Code 979.502SITS# 32 MO x541**1. Feature Description, Integrity, Eligibility:**

Feature 3 appeared to be a wood-side house; however, due to tree cover only a limited view of the building was available. More research and access would be needed to fully evaluate the building.

Recorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)

*Instructions to complete a digital version of this form:* (1) Download a copy to your hard drive; (2) Open the saved blank copy; (3) Fill out the form; (4) Use the Save As command to rename the form appropriately and save; (5) *Print* and submit to SHSND.

NDCRS ARCHITECTURAL SITE FORM
PAGE 2—Feature Data

Field Code 979.502

SITS# 32 MO x541

Complete one Page 2 for each architectural feature at the site.

Architectural Feature # 4

Construction Date

Feature Type 15

Condition 5

Feature Date 5

Context 13

Plan Shape 5

Structural System 16

Primary Exterior 16

Style Gabled Front: Gabled L/T

Original Owner's Ethnicity

Secondary Exterior

Architect/Builder

Other Information: East of house, off of road

Foundation

Stories 1

Roof/Cornice Gable

Window no windows

Dating Method(s): county atlas; plat maps

Feature Preservation Recommendation(s) (Check all that apply):

Individual nomination

Contributes to a potential district

[checked] No nomination potential

Will not contribute to a district

Potential district—feature would be a contributing element if other properties constitute a district

Thematic nomination potential

Component of a historic site or landscape

Moved (specify all applicable choices)—a) relocation occurred within a historic period; b) recreates original site, orientation, landscape, & spatial relationships; c) compatible in context with neighboring structures; d) relocation has damaged eligibility

Historical associations require further investigation

Recorded By Adam Holven (First Name & Last Name)

Date Recorded 1/4/2012 (mm/dd/year)

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**NDCRS ARCHITECTURAL SITE FORM**  
**PAGE 3—Feature Data**Field Code 979.502SITS# 32 MO x541**1. Feature Description, Integrity, Eligibility:**

Feature 4 appeared to be a sheet metal outbuilding with a sheet metal roof. The outbuilding is located on the east side of the farmstead and easily observed from the public road ROW. A review of historic plat maps reveals this farmstead was present in 1917 (Geo A. Ogle and Company 1917); however, the outbuilding appears to be in good condition and does not appear to date from this time period. It seems likely that this house was built in the after the 1940s, but additional research would be needed to confirm this assumption.

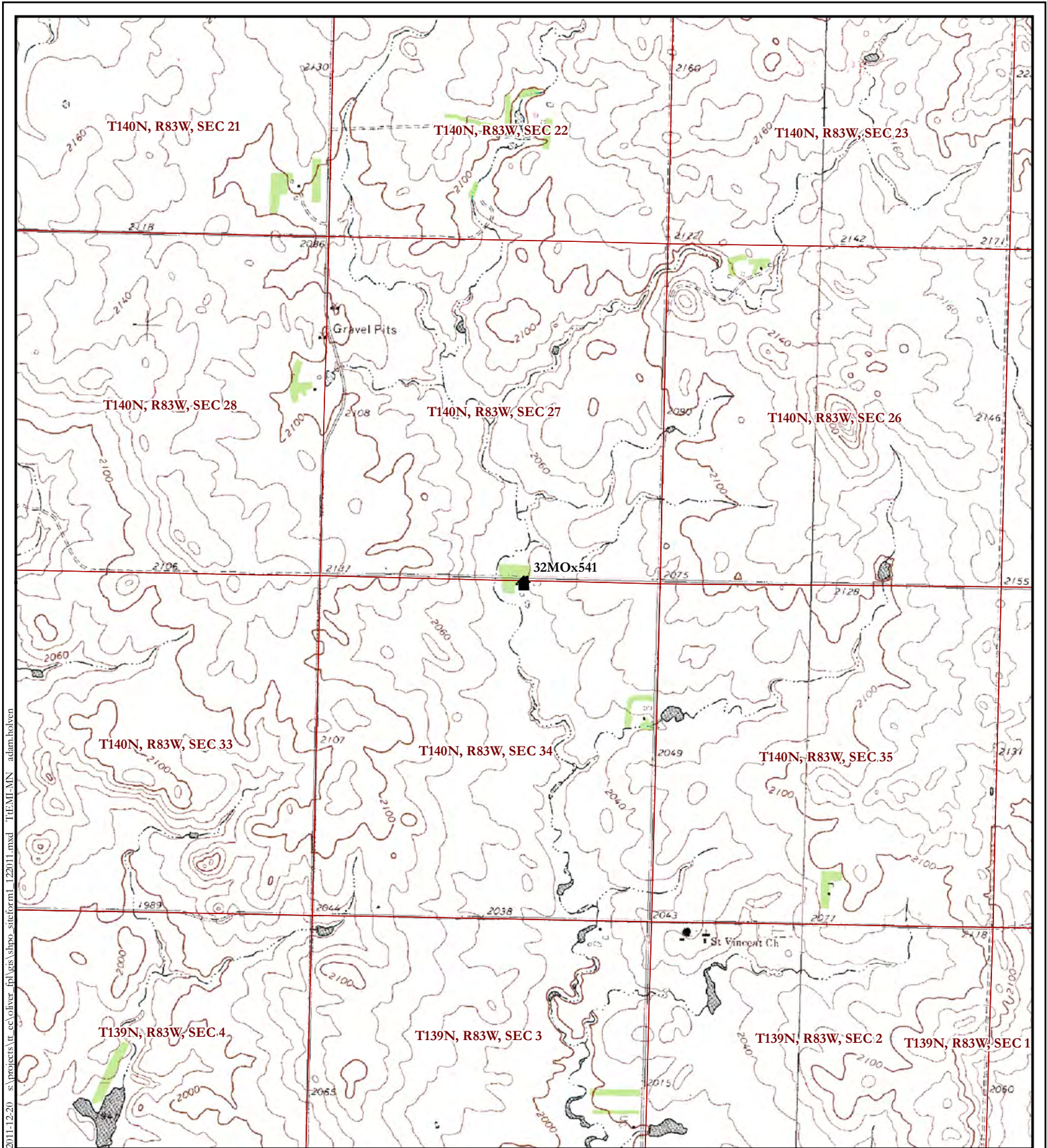
The outbuilding appears intact and has integrity of location, design, setting, materials, and feeling. Due to the scope of this assessment, integrity of workmanship or association was not addressed.

Tetra Tech's preliminary evaluation of the outbuilding indicates it is not known to be associated with any historic events important to local, state or national history (Criterion A), does not have significant or unusual architecture (Criterion C), nor is it thought to have significant potential to yield historical information (Criterion D). Further research may yield information about those who have lived here; at this time no association with a significant historical figure is known (Criterion B).

Tetra Tech's preliminary evaluation suggests the house be recommended as not eligible for inclusion to the National Register.

Recorded By Adam Holven  
(First Name & Last Name)Date Recorded 1/4/2012  
(mm/dd/year)



*Instructions to complete a digital version of this form:* (1) Download a copy to your hard drive; (2) Open the saved blank copy; (3) Fill out the form; (4) Use the Save As command to rename the form appropriately and save; (5) *Print* and submit to SHSND.

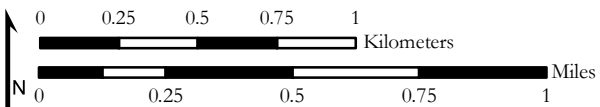


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Source: USGS 7.5-Minute Topographic Quadrangles: Crown Butte (1972) and Crown Butte NW (1972), North Dakota. Northeast 1/4 of Sec. 34, T140N, R83W, Morton County, North Dakota.



-  Farmstead
-  PLS Section Boundary



1:24,000

Figure 1  
Site Location  
Class II Historical Architecture Reconnaissance Survey  
Oliver III Wind Energy Center



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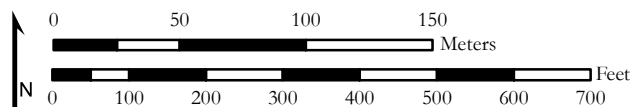


Source: 2010 NAIP Aerial Photography - Morton County, TIGER Roads, Public Land Survey data, and Tetra Tech cultural survey data collected through 10/13/2011.



 **Property 32MOx541 Boundary**

 **Architectural Feature**



1:3,000

Figure 2  
Site Location

Class II Historical Architecture Reconnaissance Survey  
Oliver III Wind Energy Center





**Photograph 1 (Southwest):** An overview of Farmstead 979.502 from 35<sup>ST</sup> Street. Feature 1, the house, is in the foreground and Feature 2 (quonset hut) is in the background. Photograph taken on 4/7/10.



**Photograph 2 (South):** A view a metal outbuilding east of the house at 32MOx541 from 35th Street. This photograph was taken 8/28/2009 by Swenson, Hagen & Company.



**Photograph 2 (South): A view toward Feature 3 from 35<sup>ST</sup> Street. Photograph taken on 4/7/10.**