

**Oliver Wind III
Energy Center**
MORTON COUNTY, ND

Figure 1. Project Location

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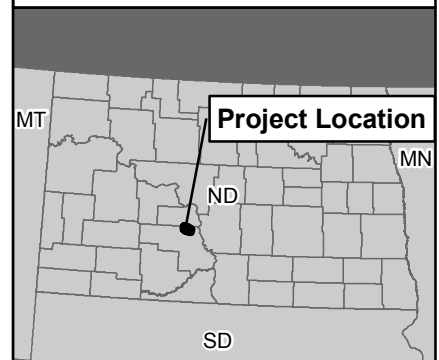


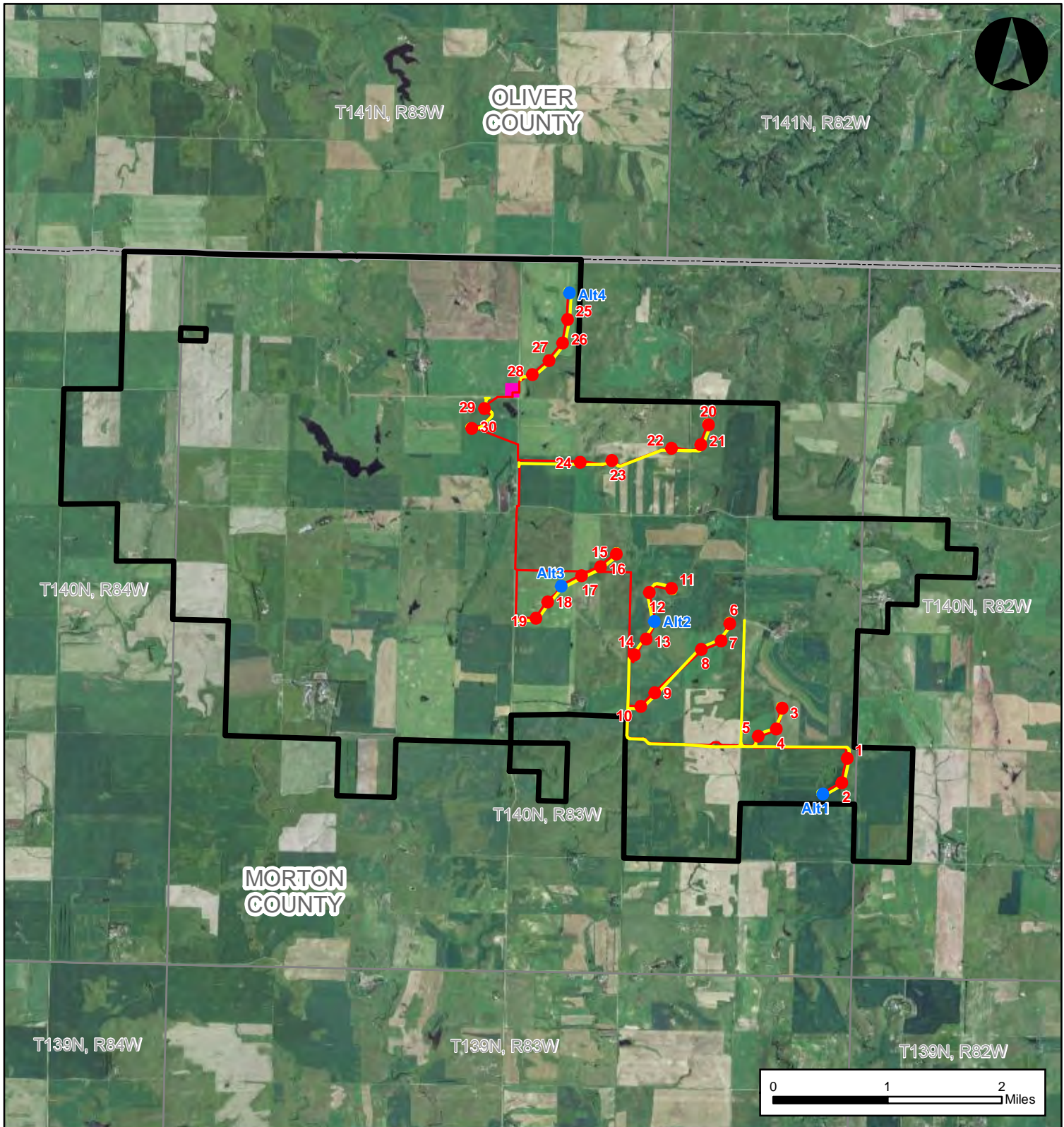
Scale 1:250,000

- Project Area
- Interstate
- Highway
- Major Road
- Local Road
- Populated Place
- County Boundary

Source: ESRI Data

OVERVIEW MAP





**Oliver Wind III
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MORTON COUNTY, ND

Figure 2. Project Area
(Aerial)

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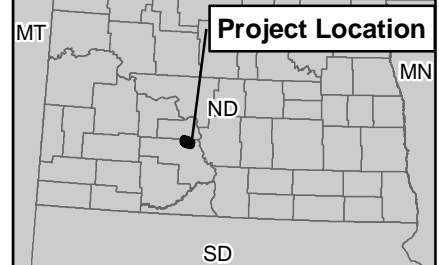


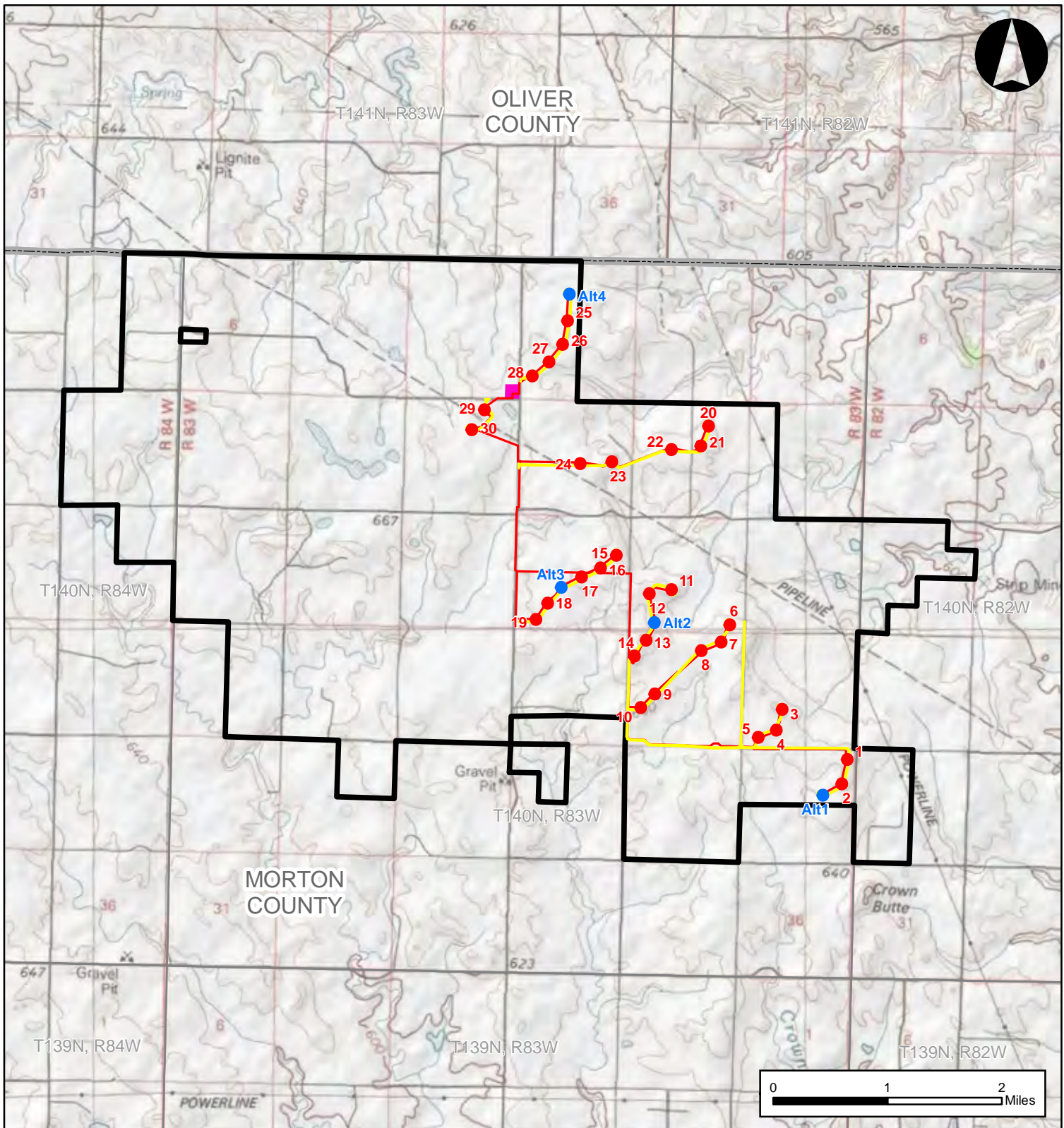
Scale 1:75,000

- Project Area
- Proposed Turbine Location
- Alternate Turbine Location
- Substation
- Collection Line
- Access Road
- County Boundary
- Township Boundary

Source: ESRI Data, NAIP 2010 Imagery

OVERVIEW MAP





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Figure 3. Project Area
(Topographical)

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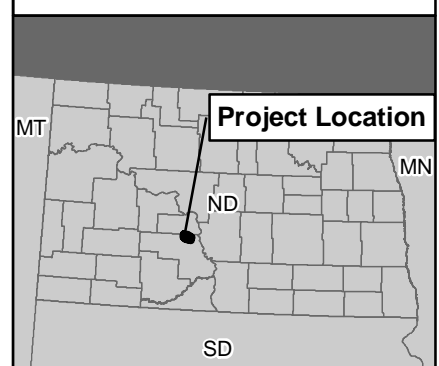


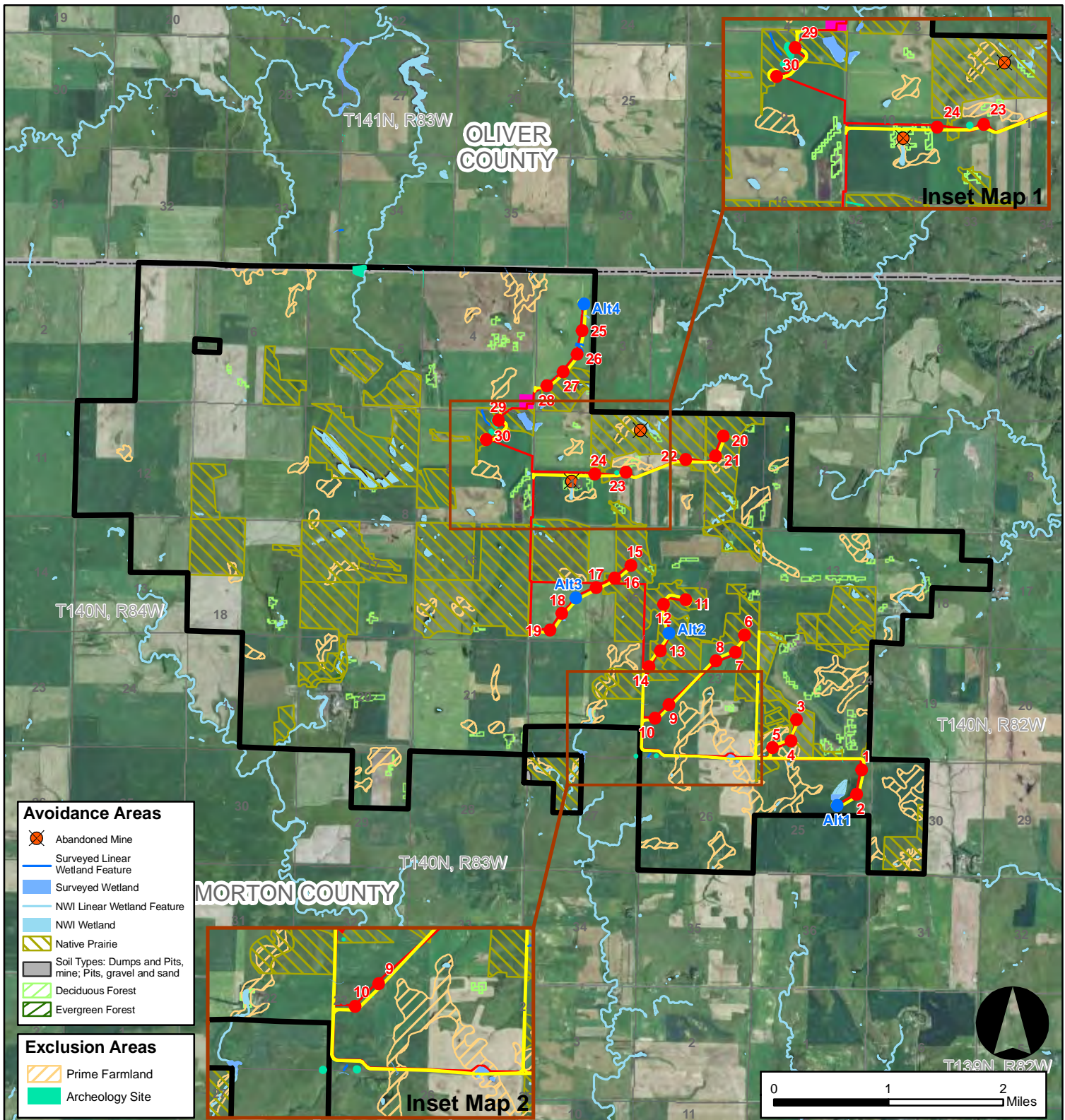
Scale 1:75,000

- Project Area
- Proposed Turbine Location
- Alternate Turbine Location
- Substation
- Collection Line
- Access Road
- County Boundary
- Township Boundary

Source: ESRI Data, USGS Topo

OVERVIEW MAP





- Avoidance Areas**
- Abandoned Mine
 - Surveyed Linear Wetland Feature
 - Surveyed Wetland
 - NWI Linear Wetland Feature
 - NWI Wetland
 - Native Prairie
 - Soil Types: Dumps and Pits, mine; Pits, gravel and sand
 - Deciduous Forest
 - Evergreen Forest
- Exclusion Areas**
- Prime Farmland
 - Archeology Site



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Figure 4. Exclusion and Avoidance Areas

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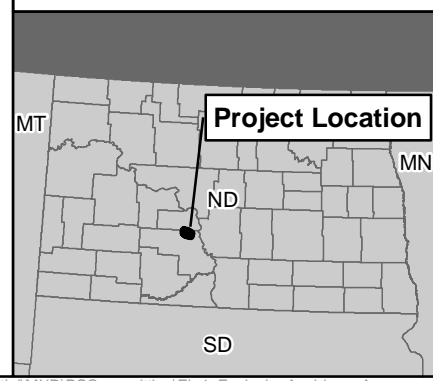
Scale 1:75,000

- Project Area
- Proposed Turbine Location
- Alternate Turbine Location
- Substation
- Collection Line
- Access Road

**Archeology sites are confidential
Not for public distribution**

Source: ESRI Data, USGS Topo, ND PSC Abandoned Mine Lands Division, USDA SSURGO Soils, NWI Wetlands, USFWS, NP Survey

OVERVIEW MAP



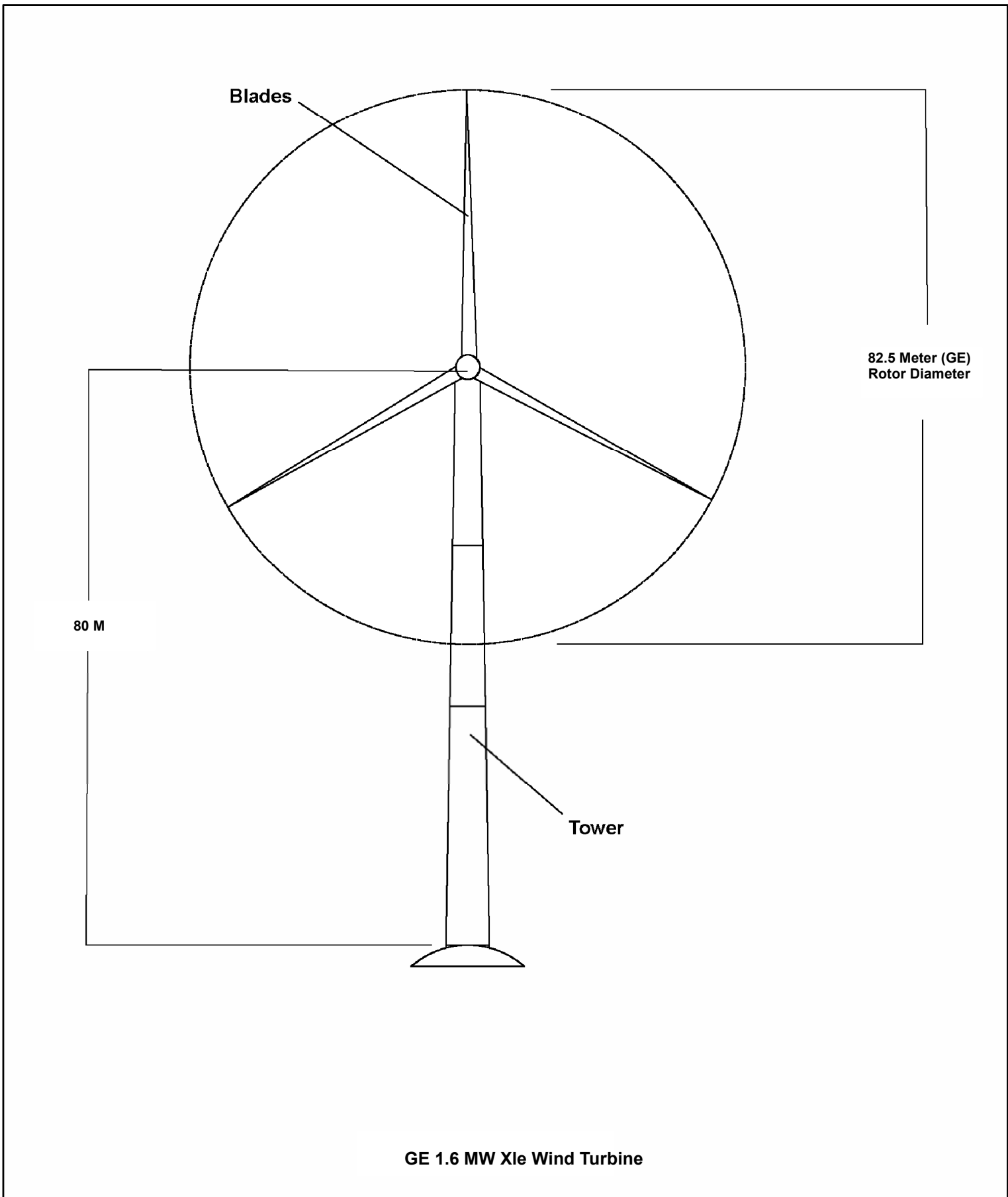


FIGURE 5

Wind Turbine Design Features
Oliver Wind III Energy Center
Morton County, North Dakota

October 2011

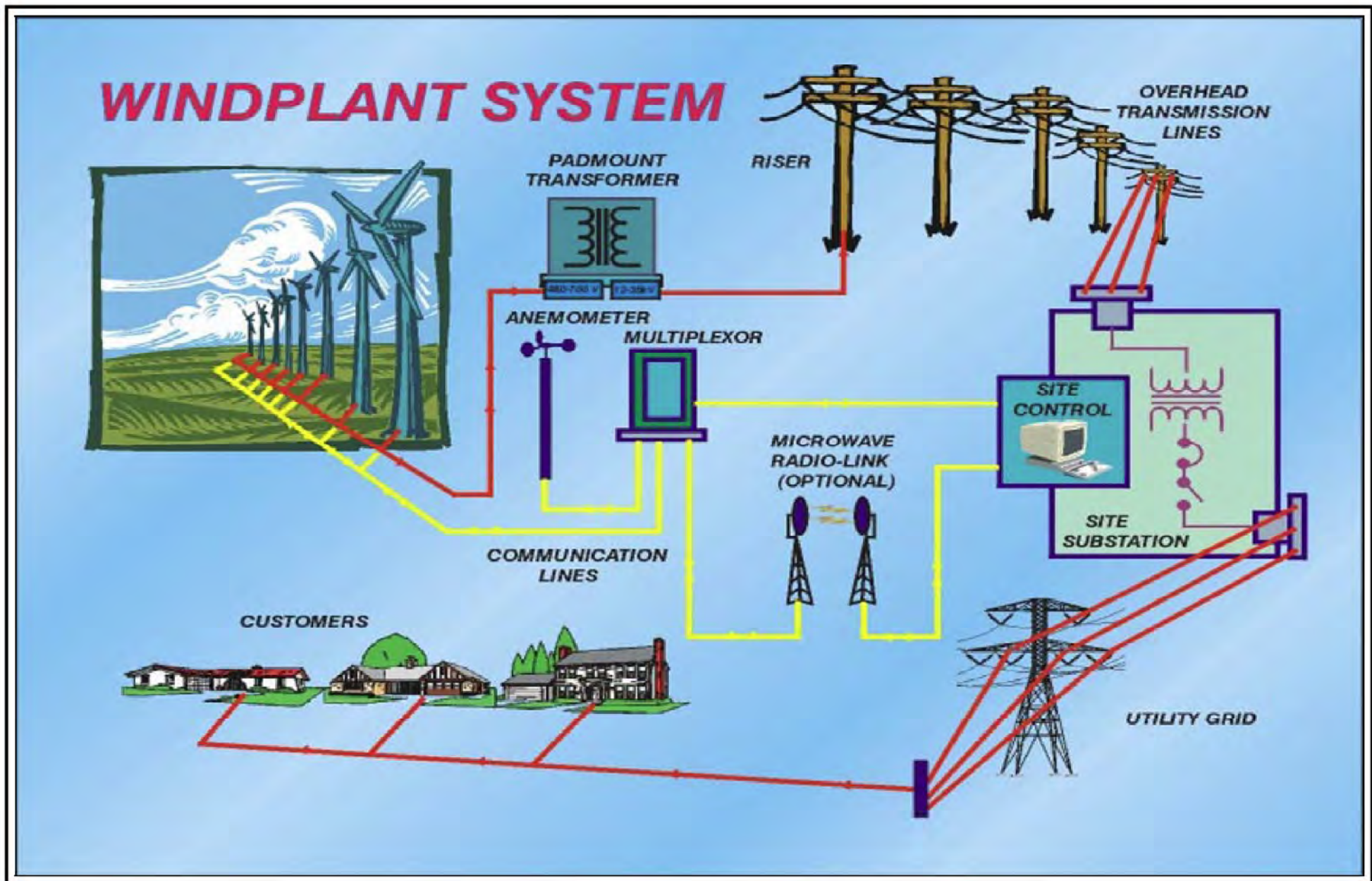


FIGURE 6

Path of Energy Diagram

Oliver Wind III Energy Center

Morton County, North Dakota

October 2011



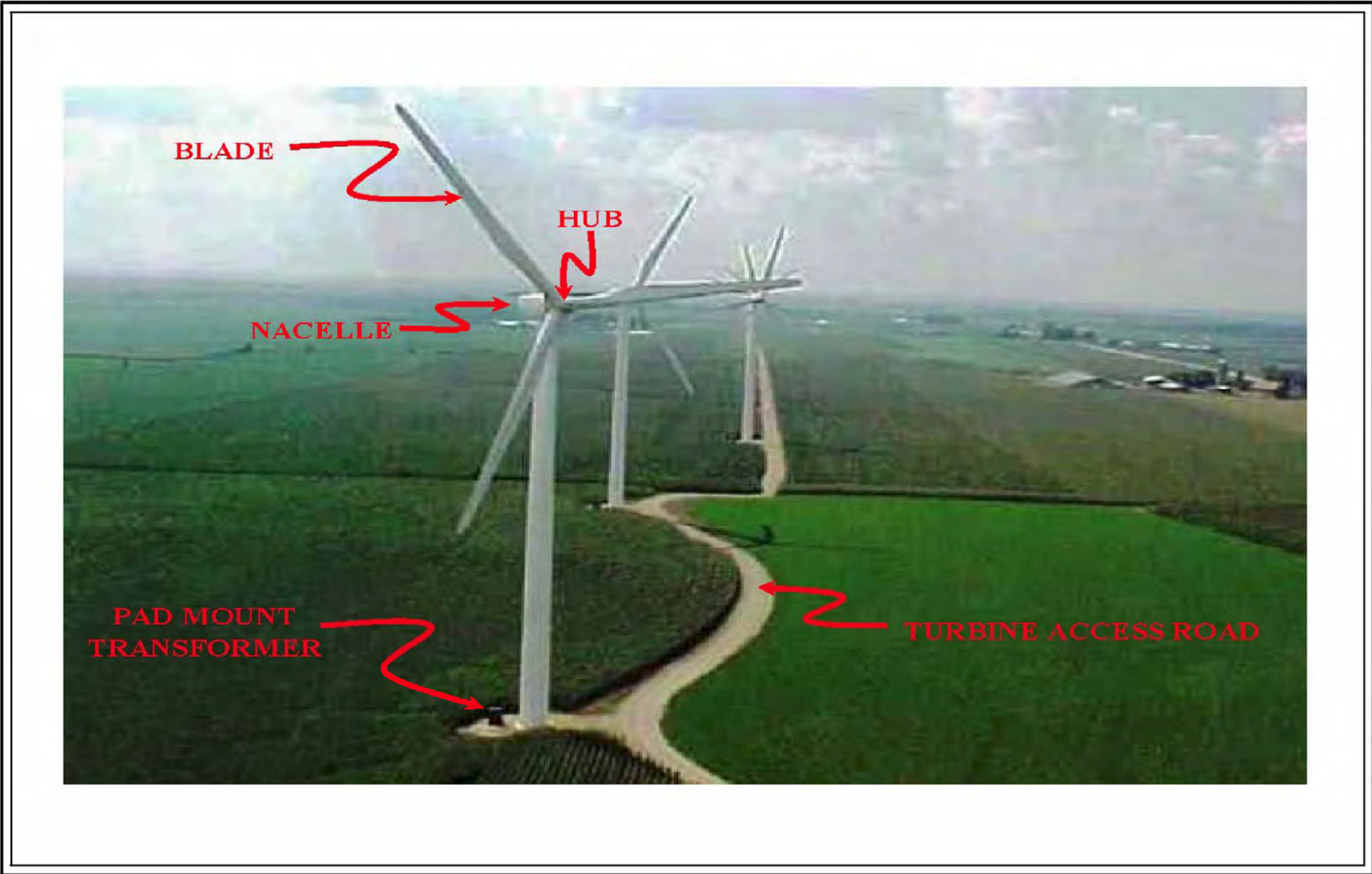
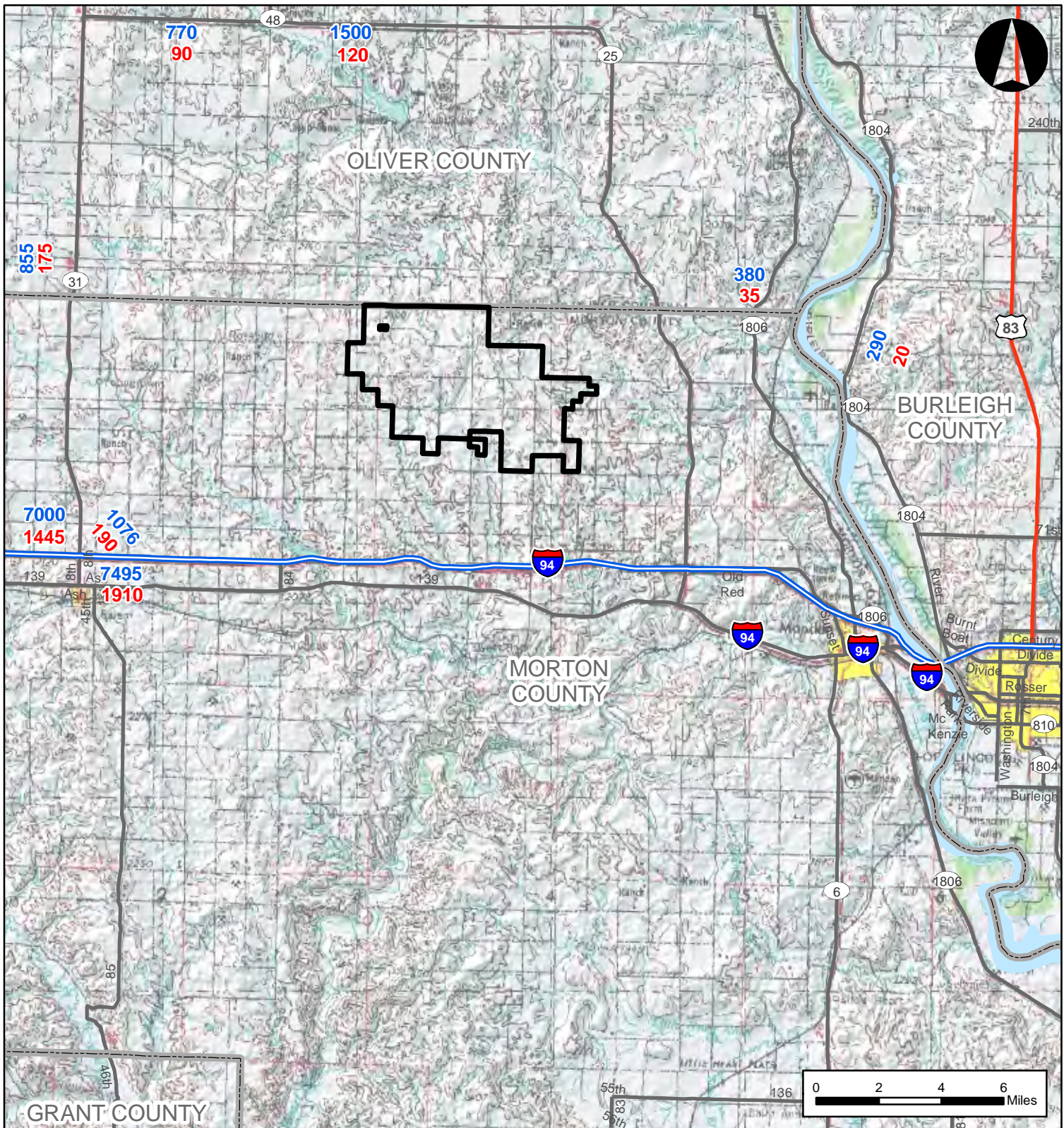


FIGURE 7

Typical Wind Energy Center Layout
Oliver Wind III Energy Center
Morton County, North Dakota
October 2011



**Oliver Wind III
Energy Center
MORTON COUNTY, ND**

**Figure 9. Average Daily
Traffic Map**

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Scale 1:275,000

- Project Area
- Limited Access Highway
- Highway
- Major Road
- 320** Average Annual Daily Traffic
- 55** Commercial Truck Traffic

Source: ESRI Data, North Dakota DOT, USGS Topo

OVERVIEW MAP

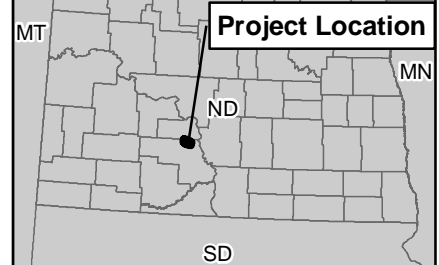




FIGURE 10

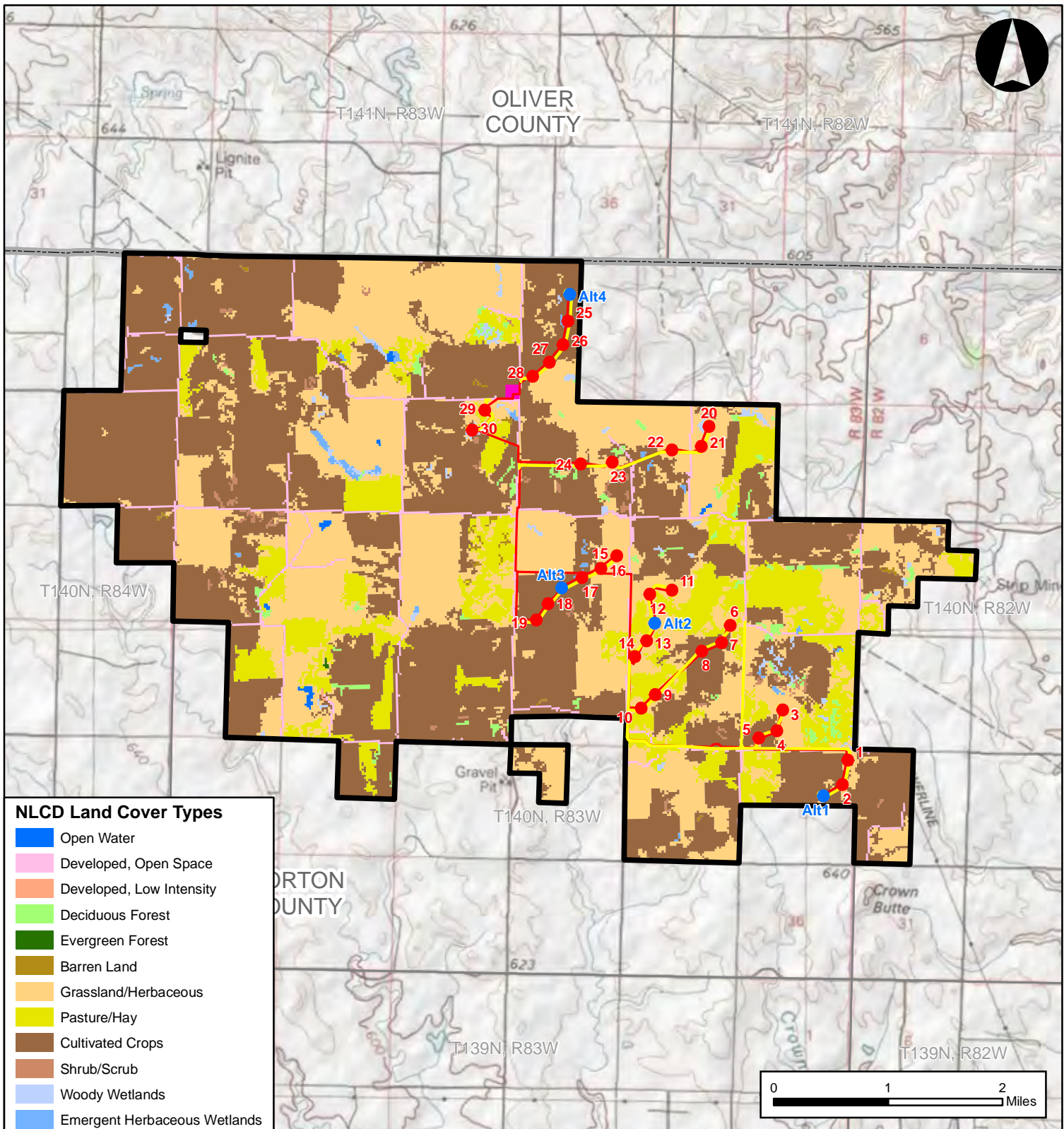
**Photo of Typical Landscape
Oliver Wind III Energy Center**

Morton County, North Dakota

October 2011



TETRA TECH EC, INC.



**Oliver Wind III
Energy Center**
MORTON COUNTY, ND

Figure 11. Land Cover
Map

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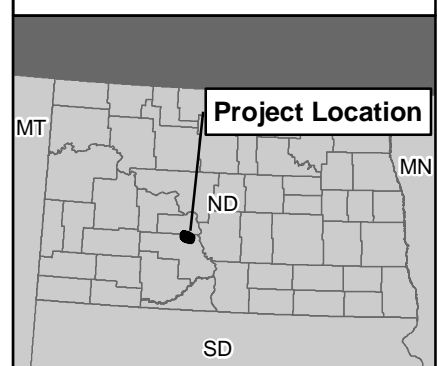


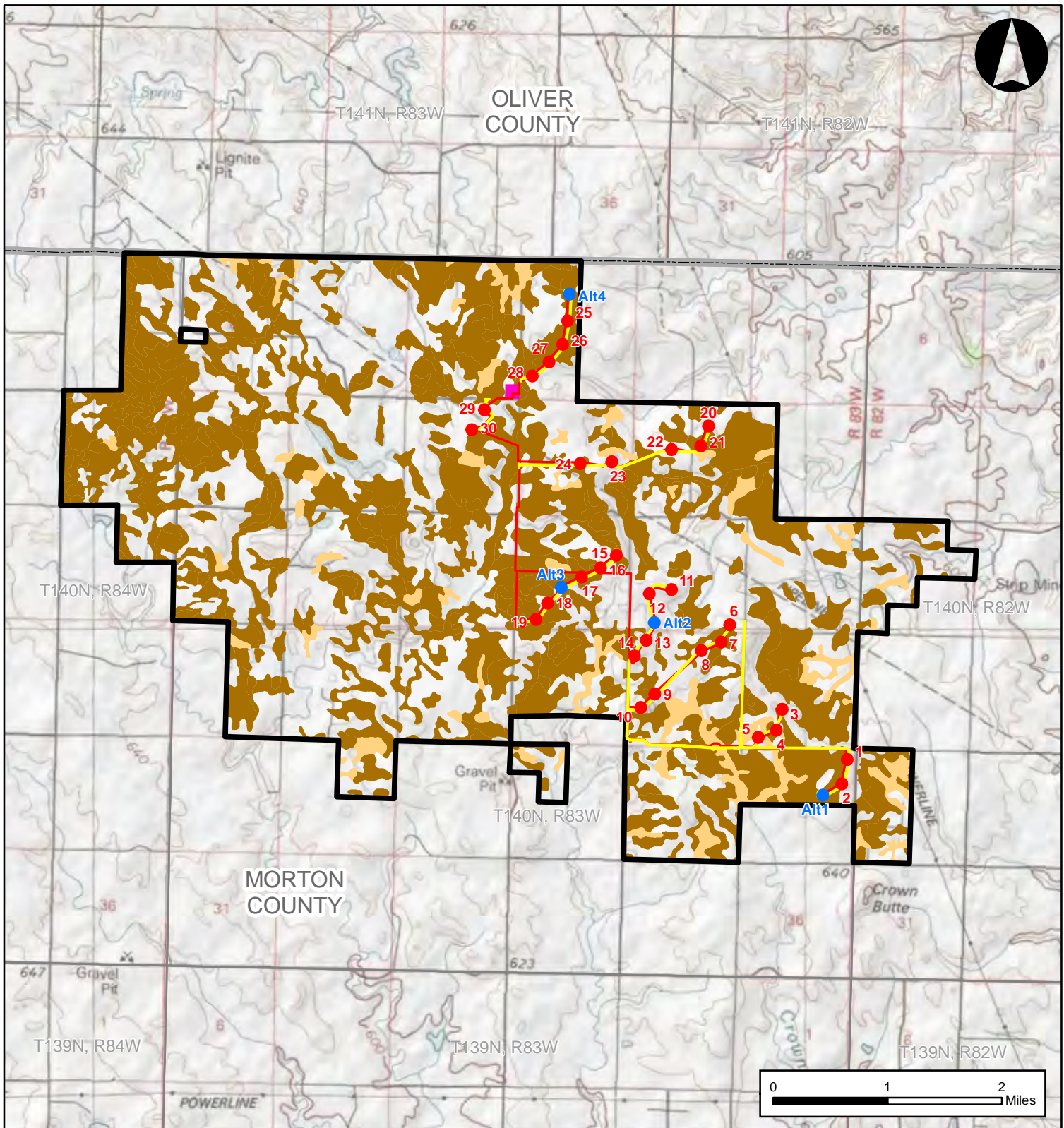
Scale 1:75,000

- Project Area
- Proposed Turbine Location
- Alternate Turbine Location
- Substation
- Collection Line
- Access Road
- County Boundary
- Township Boundary

Source: ESRI Data, NLCD 2006, USGS Topo

OVERVIEW MAP





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Figure 12. Prime Farmland
Soil Distribution Map

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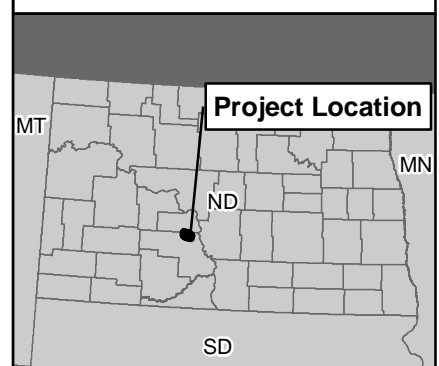


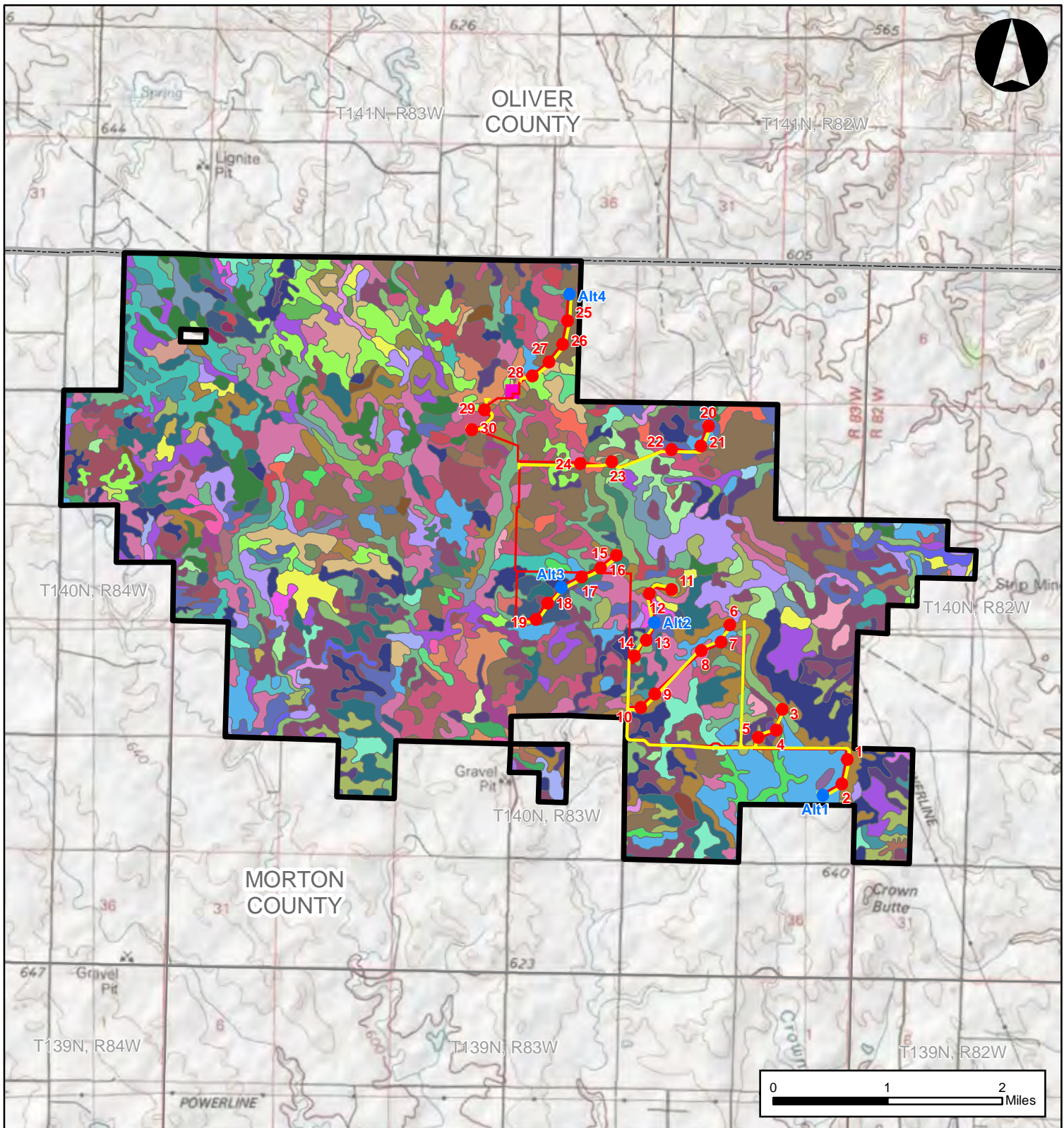
Scale 1:75,000

- Project Area
- Proposed Turbine Location
- Alternate Turbine Location
- Substation
- Collection Line
- Access Road
- Prime Farmland
- Farmland of statewide importance

Source: ESRI Data, USDA Soils, USGS Topo

OVERVIEW MAP





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**Figure 13. State Soils
Association Map**

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Scale 1:75,000

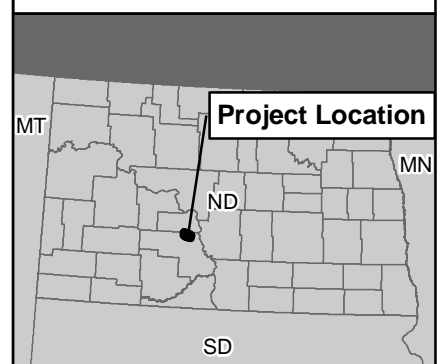
- Project Area
- Proposed Turbine Location
- Alternate Turbine Location
- Substation
- Collection Line
- Access Road

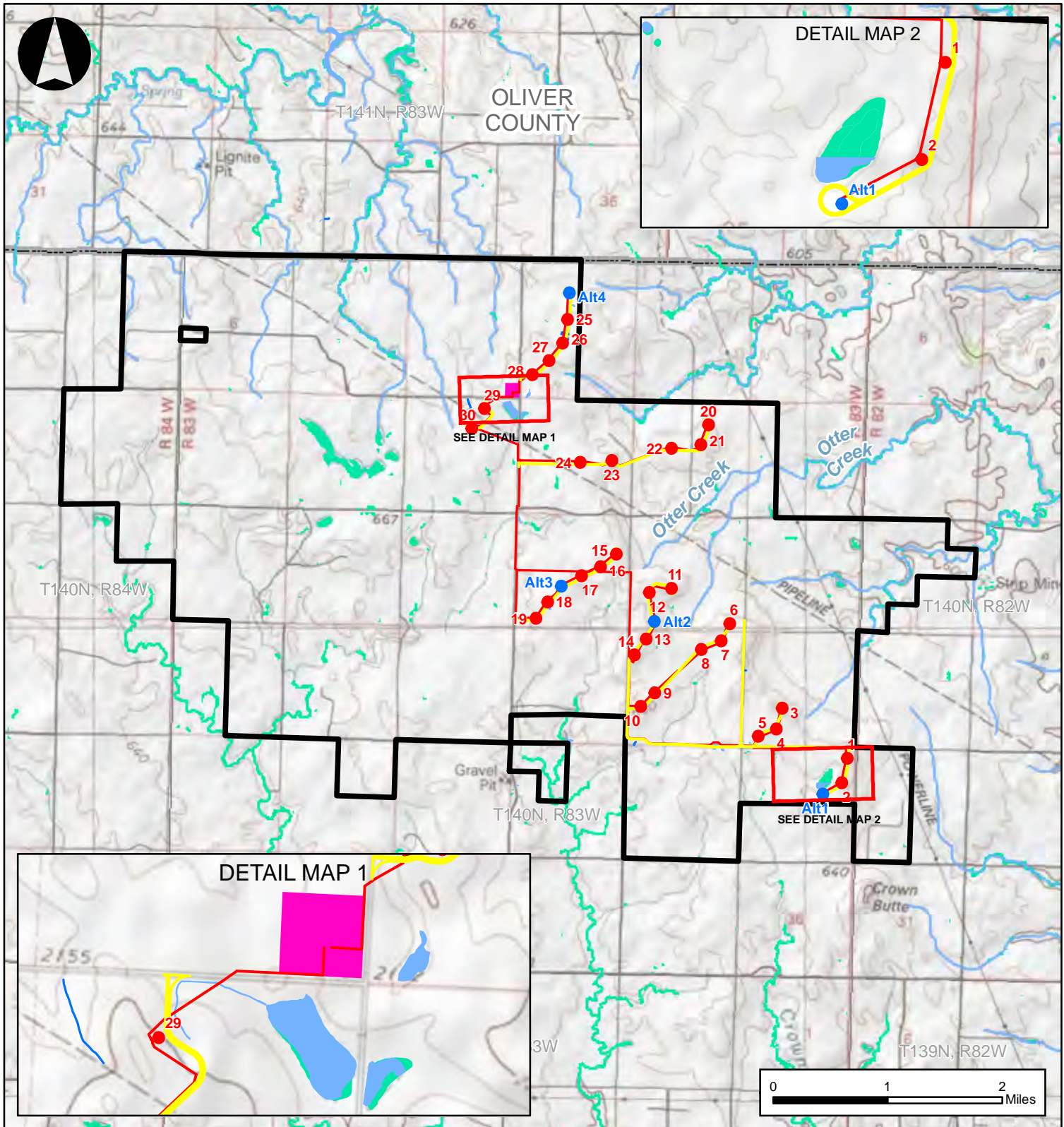
Soil Units (symbols)

10	15C	20	28	31B	51D	59F	70
100	15D	20B	28B	31C	51F	6	71
10B	15F	21B	29	35B	52B	60D	71B
11	17B	22F	29B	35C	53B	62B	73B
11B	18B	23C	29C	35D	53C	63B	76C
12C	19	26	30	41B	54C	64	76F
13D	19B	27	30B	45	56	65	9
15B	19C	27B	30C	5	57D	66F	W

Source: ESRI 2009, USDA Soils, USGS Topo

OVERVIEW MAP





**Oliver Wind III
Energy Center
MORTON COUNTY, ND**

**Figure 14. Surface Waters
Map**

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Scale 1:75,000

- Project Area
- Proposed Turbine Location
- Alternate Turbine Location
- Substation
- Collection Line
- Access Road
- NHD Stream
- Surveyed Linear Wetland Feature
- NWI Linear Wetland Feature
- Surveyed Wetland
- NWI Wetland

Source: ESRI Data, NWI & NHD Wetlands,
Survey Wetlands, USGS Topo

OVERVIEW MAP

