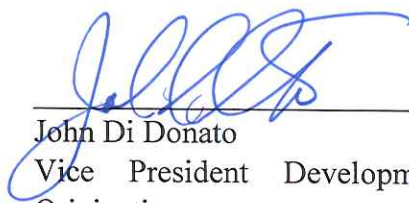




6. Project Site Plan modifications will not impact any cultural or tribal resources per a joint Class III Cultural Resources and tribal survey completed by AECOM. Emmons-Logan Wind will submit an amended Class III Cultural Resources Inventory Report to the State Historical Society of North Dakota for review and concurrence. In accordance with Ordering Paragraph No. 6, the concurrence letter will be filed with the Commission before the start of construction.
7. Activities associated with the Project modifications will not affect any known Exclusion or Avoidance areas. *See* Certification Provision No. 38(A)(1).
8. Project construction will occur wholly within the geographic location for which Emmons-Logan Wind previously obtained a site certificate. Maps and GIS shapefiles of the site modifications are enclosed. *See* Certification Provision No. 38(A)(2).
9. Emmons-Logan Wind will continue to comply with all applicable conditions and protections in the siting laws and rules and the Order previously issued for the Project. *See* Certification Provision No. 38(A)(3).

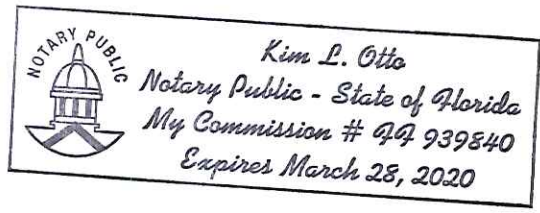
[Remainder of page intentionally left blank]

  
\_\_\_\_\_  
John Di Donato  
Vice President Development &  
Origination  
Authorized Representative of  
Emmons-Logan Wind, LLC

STATE OF FLORIDA                    )  
  ) ss.  
COUNTY OF PALM BEACH         )

On this 29 day of May, 2019, before me personally appeared John Di Donato, known to me to be the Vice President Development & Origination and an authorized representative of the limited liability company that is described in and that executed the within instrument, and acknowledged to me that such limited liability company executed the same.

  
\_\_\_\_\_  
Notary Public



# Memorandum

To	North Dakota Public Service Commission	Pages	2
Subject	Case Number PU-18-280 Emmons-Logan Wind Energy Center Modifications of Energy Conversion Facility and Site Plan		
From	Emmons-Logan Wind, LLC		
Date	May 29, 2019		

## Introduction

Pursuant to Certification Relating to Order Provision Number 38, Emmons-Logan Wind, LLC (Emmons-Logan Wind) submits to the North Dakota Public Service Commission (Commission) this supporting documentation for proposed modifications to the Emmons-Logan Wind Energy Center (Project) and Project Site Plan (Attachments 1 through 3). Modifications include minor reroutes to access roads resulting from (i) Emmons County requests for Emmons-Logan Wind to address line of sight issues from adjacent intersections and (ii) constructability issues identified by the construction contractor. No changes have been made to the location of turbines, collection lines, or other infrastructure.

## Project Site Plan Modifications

Attachment 2 illustrates locations of the Site Plan modifications. Emmons-Logan Wind notified landowners of the Site Plan modifications and no objections were received. The Project Site Plan modifications occur in areas previously surveyed for wetlands, cultural, and tribal resources as described below. Attachments 1 through 3 provide updated site plan maps.

### Wetlands

The Site Plan modifications will avoid any wetland impacts per wetland delineations completed by AECOM.

### Cultural and Tribal Resources

The Site Plan modifications do not impact any cultural or tribal resources per a joint Class III Cultural Resources and tribal survey completed by AECOM. Emmons-Logan Wind will submit an amended Class III Cultural Resources Inventory Report to the State Historical Society of North Dakota for review and concurrence. The concurrence letter will be filed with the Commission when received.

### Other Impacts

The Site Plan modifications fall within areas previously covered by the avian, raptor, lek, and nest surveys and the whooping crane and bat habitat desktop assessments. The Site Plan modifications do not change the results of those studies, and there are no new impacts to native prairie or unbroken grasslands. Project Site Plan modifications resulted in negligible changes to the total Project impacts calculations presented in Table 1-4 of the Project Application (Docket No. 1). The Site Plan modifications will not impact the Commission's Exclusion and Avoidance Criteria as presented in Tables 3-1 and 3-2 of the Project Application.

## Conclusion

The Project modifications comply with Commission's Exclusion, Avoidance, Selection, and Policy Criteria and are consistent with the Project's Findings of Fact, Conclusions of Law and Order.

**Attachments:**

1. Modified Energy Conversion Facility Site Plan Overview Map
2. Site Plan Modification Map Book
3. Modified Energy Conversion Facility Site Plan Map Book

# EMMONS-LOGAN WIND ENERGY CENTER EMMONS AND LOGAN COUNTIES, ND

## LEGEND

- County Road
- Existing 230 kV Heskett-Wishek Transmission Line
- County Boundary
- PLSS Township
- PLSS Section

- Occupied Residence - Participating Landowner
- ▼ Occupied Residence - Non-Participating Landowner
- ▨ \*Non-participating Landowner
- ▨ \*\*Non-participating Parcel

## Project Features

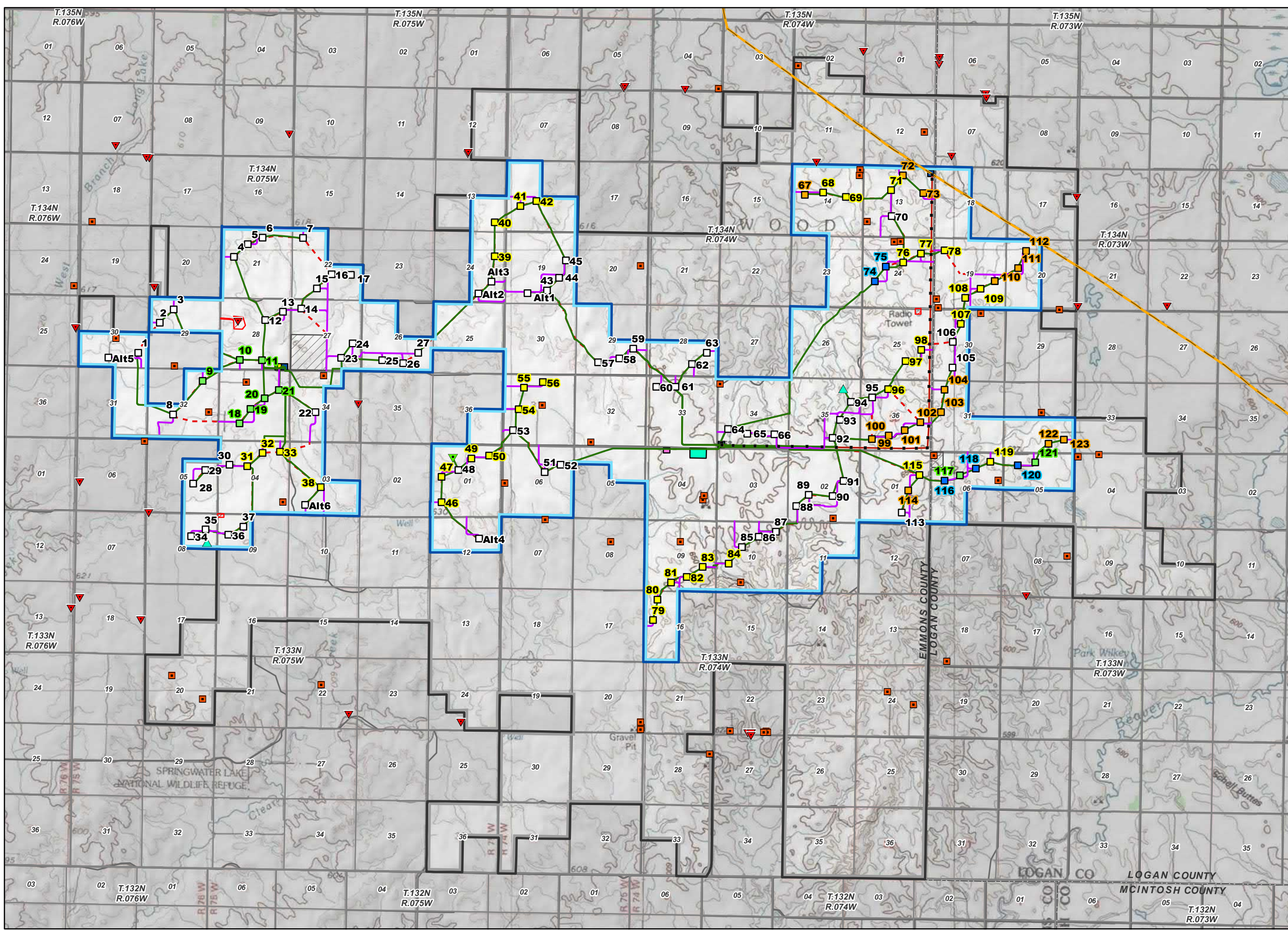
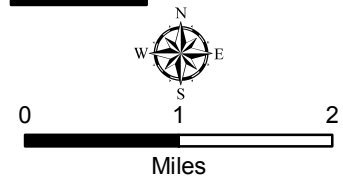
### Turbines

- GE 1.715 MW 262HH
- GE 2.72 MW 262 HH
- GE 2.72 MW 262 HH, LTNE
- GE 2.72 MW 295 HH
- GE 2.72 MW 295 HH, LTNE
- ▲ Met Tower
- ▼ Alternative Met Tower

- Service Road
- Collection Line
- - Crane Path
- 230 kV Transmission Line Route
- 230 kV Transmission Line Corridor
- 230 kV Transmission Line Pole Location
- ▭ Original Emmons-Logan Wind Energy Center Project Area (64,563 Acres)
- ▭ Revised Emmons-Logan Wind Energy Center Project Area (28,097 Acres)
- Substation
- O&M Building
- Batch Plant
- Laydown Yard

\*Non-participating Landowners outside of the Project Area are not shown on map.

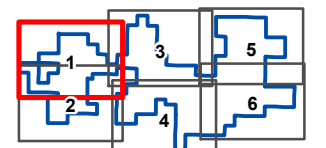
\*\*Owns land participating in the Project Area elsewhere.



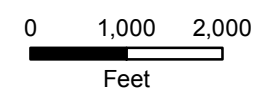
**EMMONS-LOGAN  
WIND ENERGY CENTER  
EMMONS AND LOGAN  
COUNTIES, ND**

- LEGEND**
- County Boundary
  - Existing Road
- Project Features**
- Turbine
  - Met Tower
  - Service Roads Revised May 2019
  - Service Road - No Revisions
  - Service Road - March 2019
  - Collection Line - No Revisions
  - Emmons-Logan Wind Energy Center Project Area
  - Substation
  - O&M Building

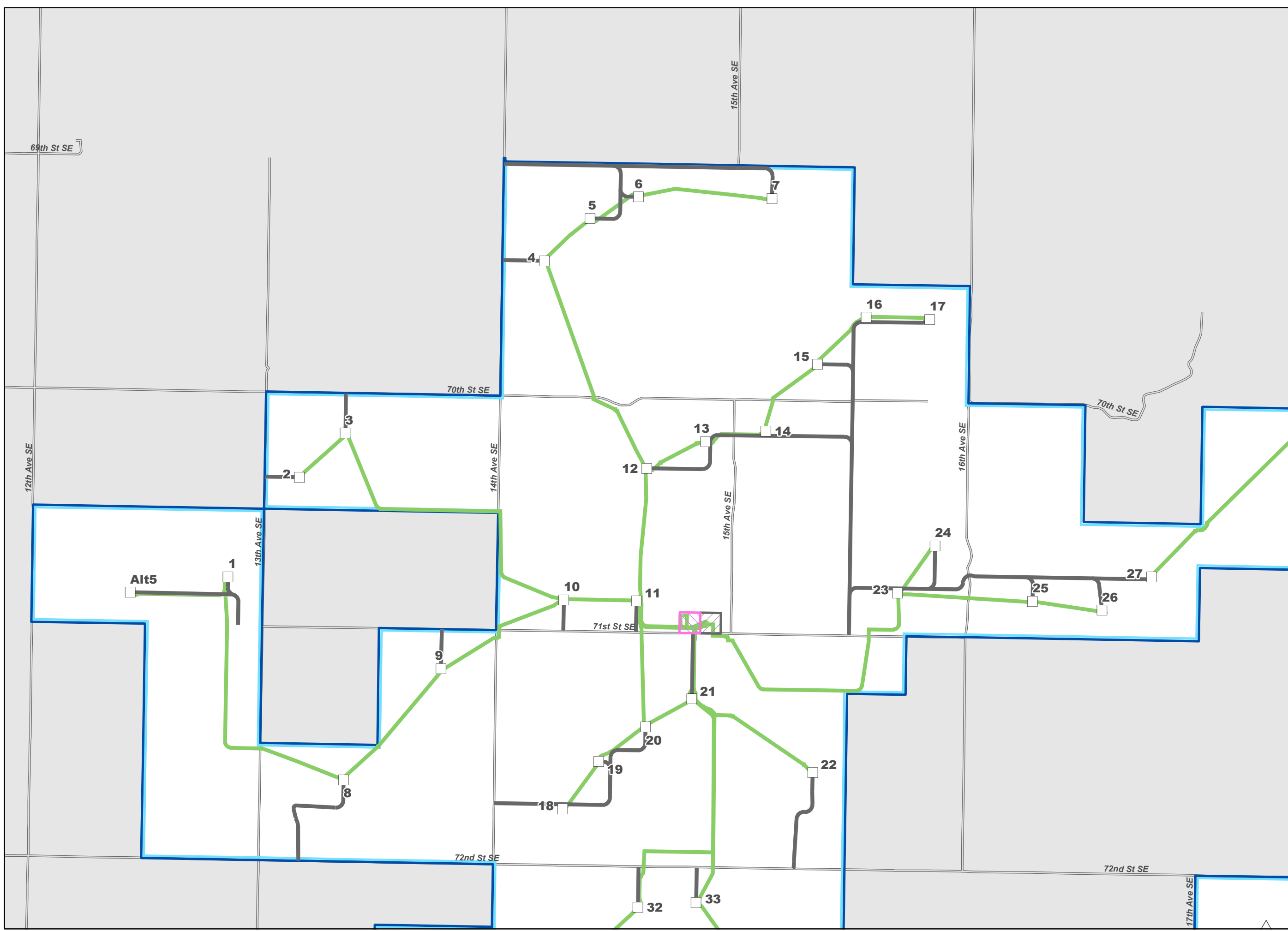
*Disclaimer: Call-outs highlight locations of the more notable Site Plan modifications; whereas minor modifications that are imperceptible at the map scale can be viewed using the provided GIS shapefiles.*



Map 1 of 6














**Attachment 2  
Sheet 1 of 6  
Site Plan Modification  
Map Book**

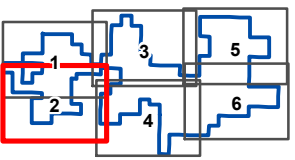


**EMMONS-LOGAN  
WIND ENERGY CENTER  
EMMONS AND LOGAN  
COUNTIES, ND**

**LEGEND**

-  County Boundary
-  Existing Road
- Project Features**
-  Turbine
-  Met Tower
-  Service Roads Revised May 2019
-  Service Road - No Revisions
-  Service Road - March 2019
-  Collection Line - No Revisions
-  Emmons-Logan Wind Energy Center Project Area
-  Substation
-  O&M Building

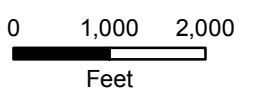
*Disclaimer: Call-outs highlight locations of the more notable Site Plan modifications; whereas minor modifications that are imperceptible at the map scale can be viewed using the provided GIS shapefiles.*



Map 2 of 6

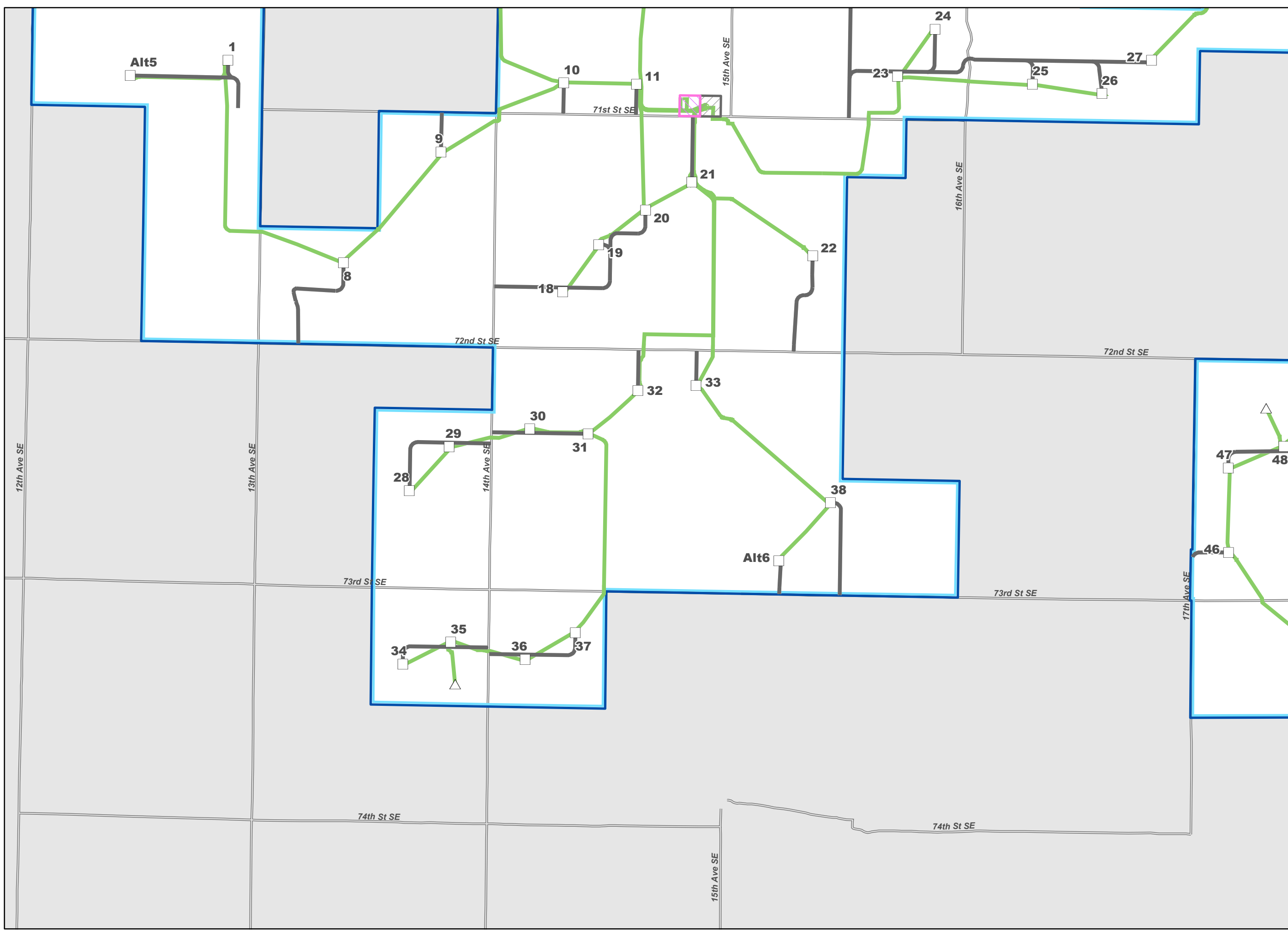


Project Location



**Attachment 2  
Sheet 2 of 6**

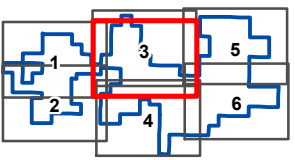
**Site Plan Modification  
Map Book**



**EMMONS-LOGAN  
WIND ENERGY CENTER  
EMMONS AND LOGAN  
COUNTIES, ND**

- LEGEND**
- County Boundary
  - Existing Road
  - Project Features**
  - Turbine
  - Service Roads Revised May 2019
  - Service Road - No Revisions
  - Service Road - March 2019
  - Collection Line - No Revisions
  - Emmons-Logan Wind Energy Center Project Area
  - Substation

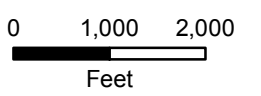
*Disclaimer: Call-outs highlight locations of the more notable Site Plan modifications; whereas minor modifications that are imperceptible at the map scale can be viewed using the provided GIS shapefiles.*



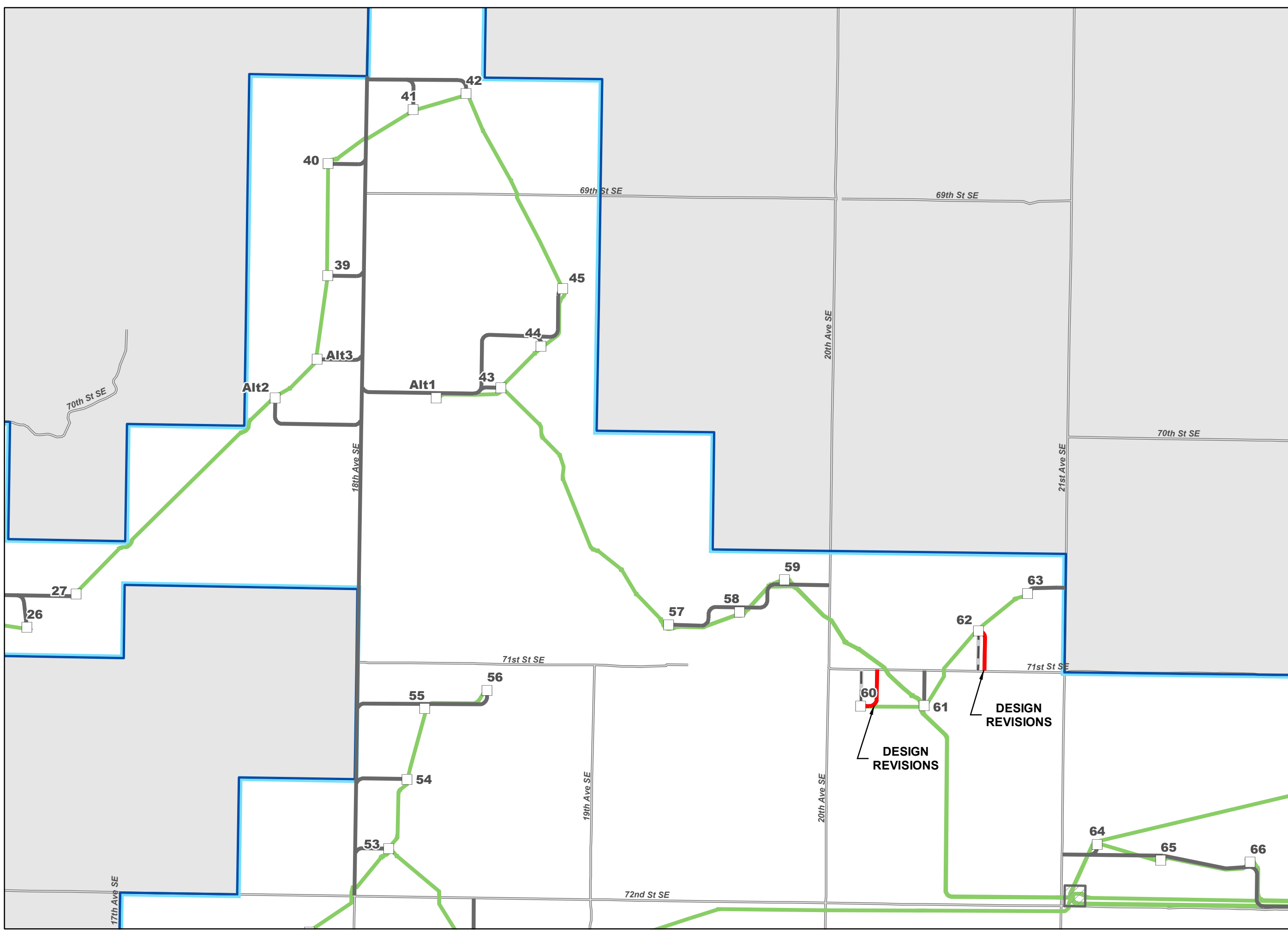
Map 3 of 6



Project Location



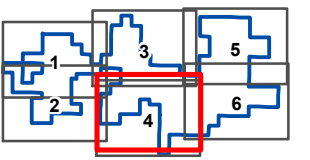
**Attachment 2  
Sheet 3 of 6  
Site Plan Modification  
Map Book**



**EMMONS-LOGAN  
WIND ENERGY CENTER  
EMMONS AND LOGAN  
COUNTIES, ND**

- LEGEND**
- County Boundary
  - Existing Road
- Project Features**
- Turbine
  - Met Tower
  - Service Roads Revised May 2019
  - Service Road - No Revisions
  - Service Road - March 2019
  - Collection Line - No Revisions
  - Emmons-Logan Wind Energy Center Project Area
  - Substation

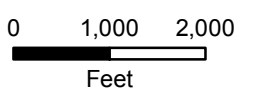
*Disclaimer: Call-outs highlight locations of the more notable Site Plan modifications; whereas minor modifications that are imperceptible at the map scale can be viewed using the provided GIS shapefiles.*



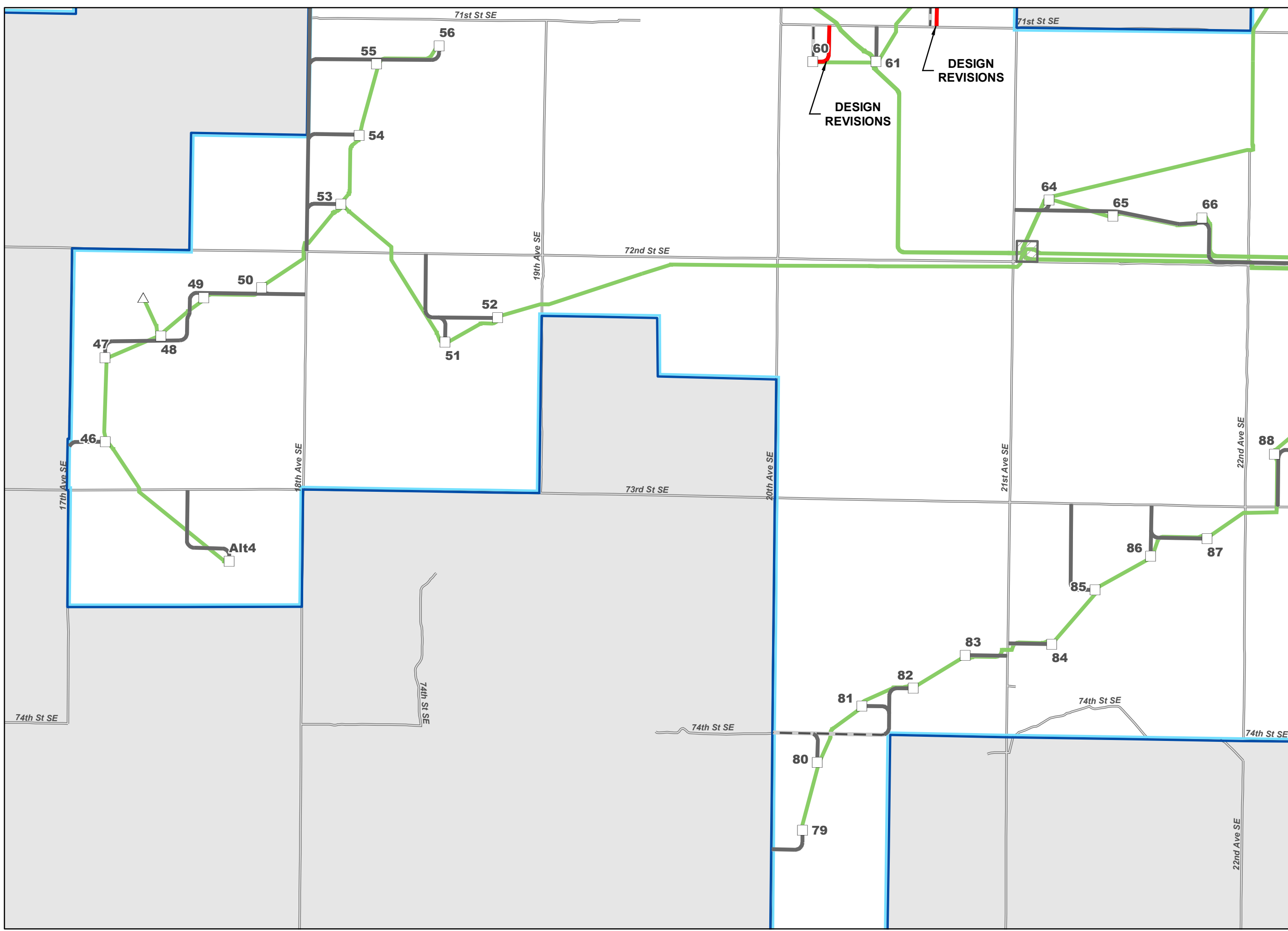
Map 4 of 6



Project Location



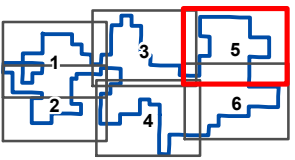
**Attachment 2  
Sheet 4 of 6  
Site Plan Modification  
Map Book**



**EMMONS-LOGAN  
WIND ENERGY CENTER  
EMMONS AND LOGAN  
COUNTIES, ND**

- LEGEND**
- County Boundary
  - Existing Road
- Project Features**
- Turbine
  - Met Tower
  - Service Roads Revised May 2019
  - Service Road - No Revisions
  - Service Road - March 2019
  - Collection Line - No Revisions
  - Emmons-Logan Wind Energy Center Project Area

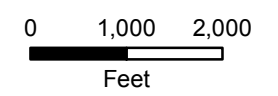
*Disclaimer: Call-outs highlight locations of the more notable Site Plan modifications; whereas minor modifications that are imperceptible at the map scale can be viewed using the provided GIS shapefiles.*



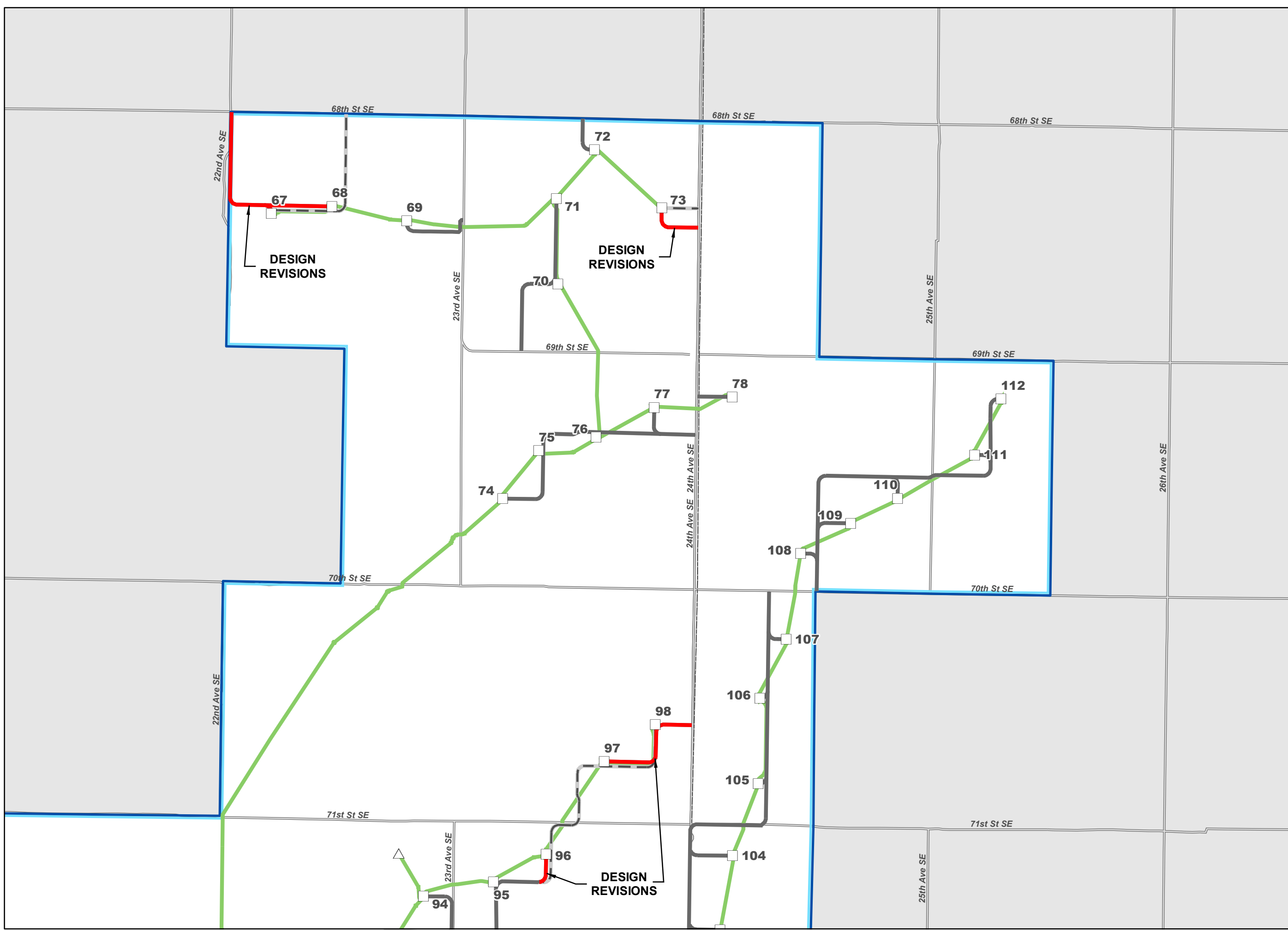
Map 5 of 6



Project Location



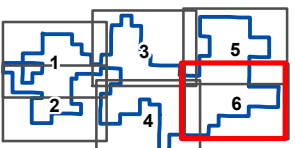
**Attachment 2  
Sheet 5 of 6  
Site Plan Modification  
Map Book**



**EMMONS-LOGAN  
WIND ENERGY CENTER  
EMMONS AND LOGAN  
COUNTIES, ND**

- LEGEND**
- County Boundary
  - Existing Road
  - Project Features**
  - Turbine
  - Met Tower
  - Service Roads Revised May 2019
  - Service Road - No Revisions
  - Service Road - March 2019
  - Collection Line - No Revisions
  - Emmons-Logan Wind Energy Center Project Area
  - Substation

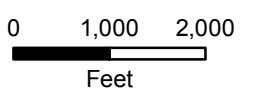
*Disclaimer: Call-outs highlight locations of the more notable Site Plan modifications; whereas minor modifications that are imperceptible at the map scale can be viewed using the provided GIS shapefiles.*



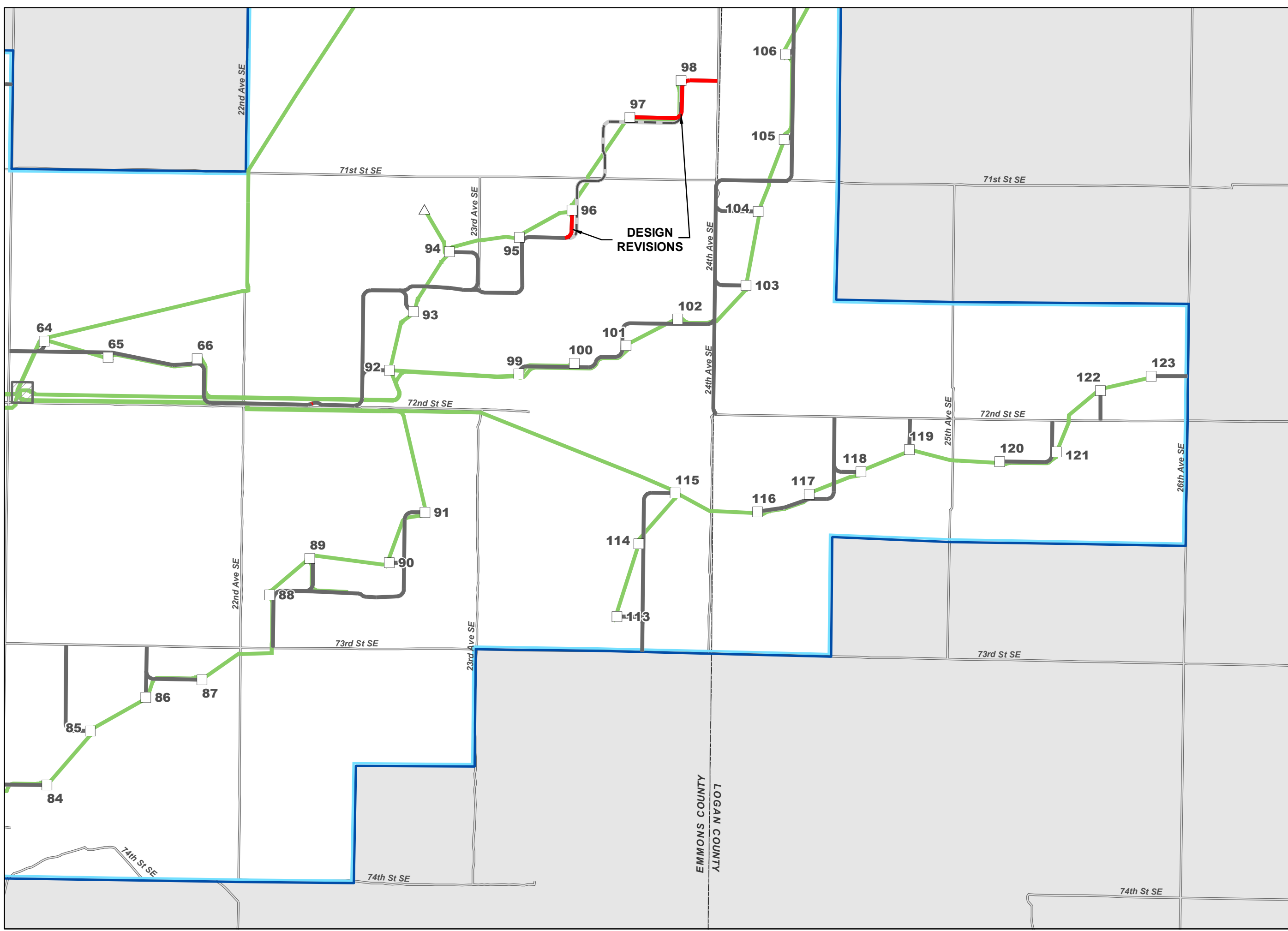
Map 6 of 6



Project Location



**Attachment 2  
Sheet 6 of 6  
Site Plan Modification  
Map Book**



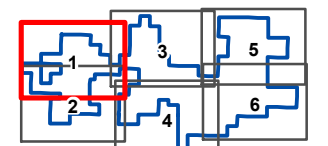
**EMMONS-LOGAN  
WIND ENERGY CENTER  
EMMONS AND LOGAN  
COUNTIES, ND**

**LEGEND**

- County Boundary
- PLSS Township
- PLSS Section
- Existing Road

**Project Features**

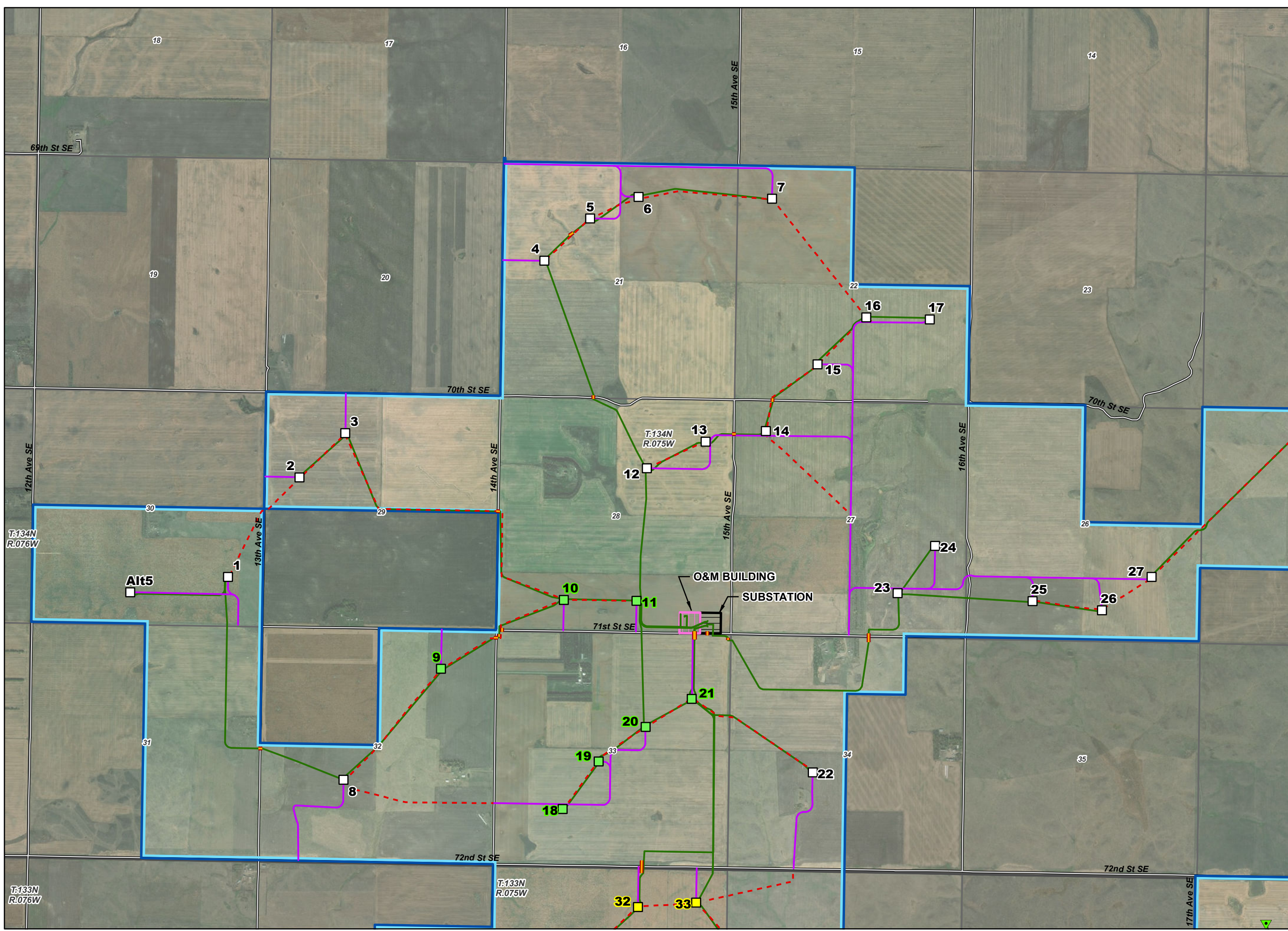
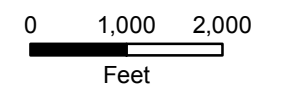
- Turbines**
- GE 1.715 MW 262HH
  - GE 2.72 MW 295 HH
  - GE 2.72 MW 295 HH, LTNE
  - Alternative Met Tower
  - Service Road
  - Collection Line
  - Collection Line Bore Location
  - Crane Path
  - Emmons-Logan Wind Energy Center Project Area
  - Substation
  - O&M Building



Map 1 of 6



















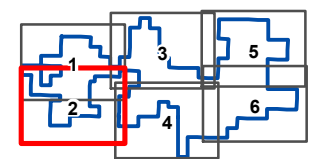
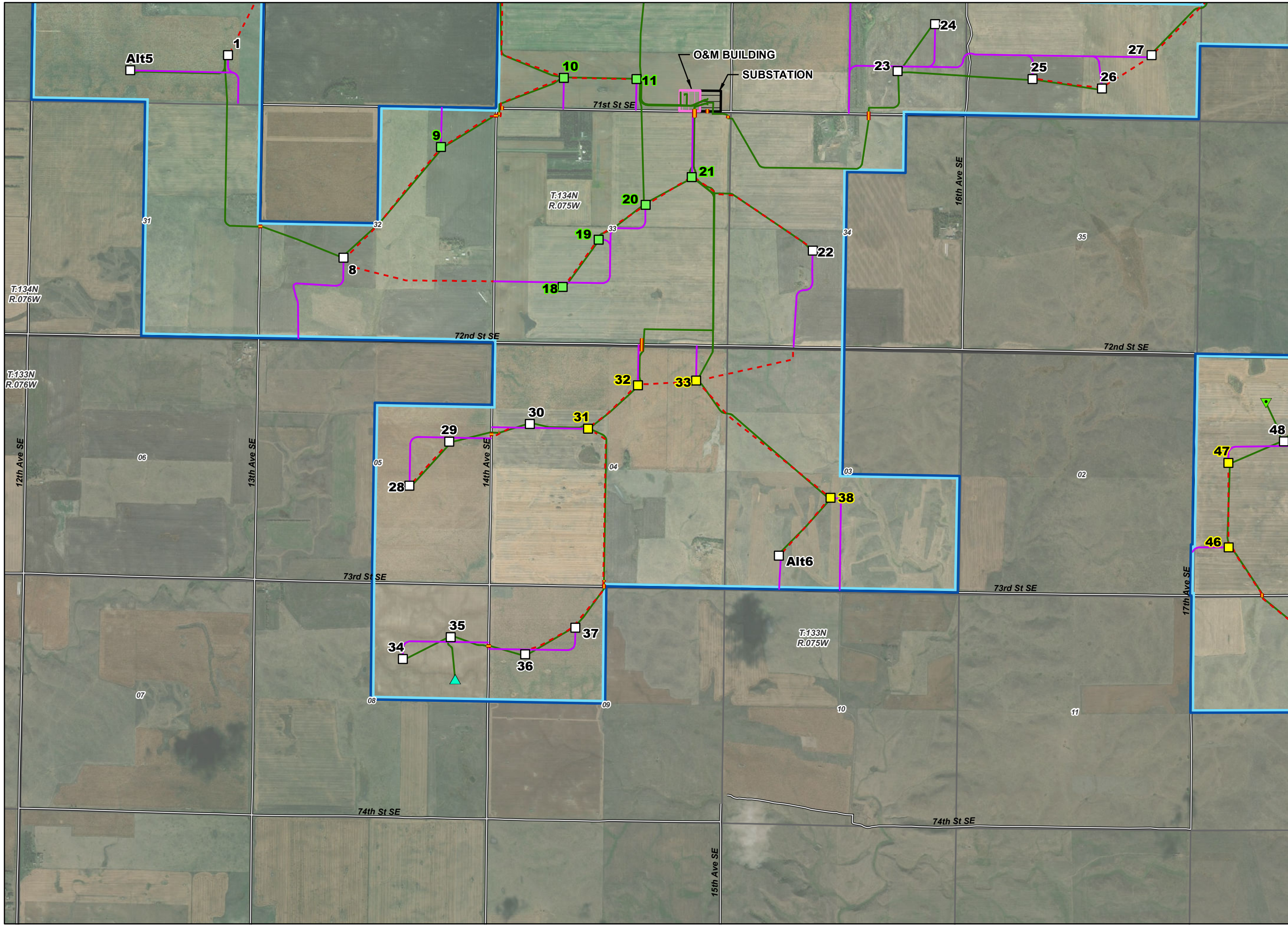
Project Location



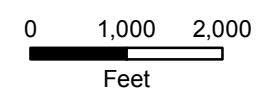
**EMMONS-LOGAN  
WIND ENERGY CENTER  
EMMONS AND LOGAN  
COUNTIES, ND**

**LEGEND**

-  County Boundary
-  PLSS Township
-  PLSS Section
-  Existing Road
- Project Features**
- Turbines**
-  GE 1.715 MW 262HH
-  GE 2.72 MW 295 HH
-  GE 2.72 MW 295 HH, LTNE
-  Met Tower
-  Alternative Met Tower
-  Service Road
-  Collection Line
-  Collection Line Bore Location
-  Crane Path
-  Emmons-Logan Wind Energy Center Project Area
-  Substation
-  O&M Building



Map 2 of 6



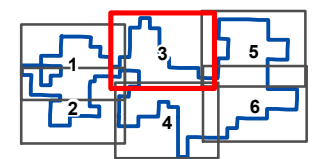
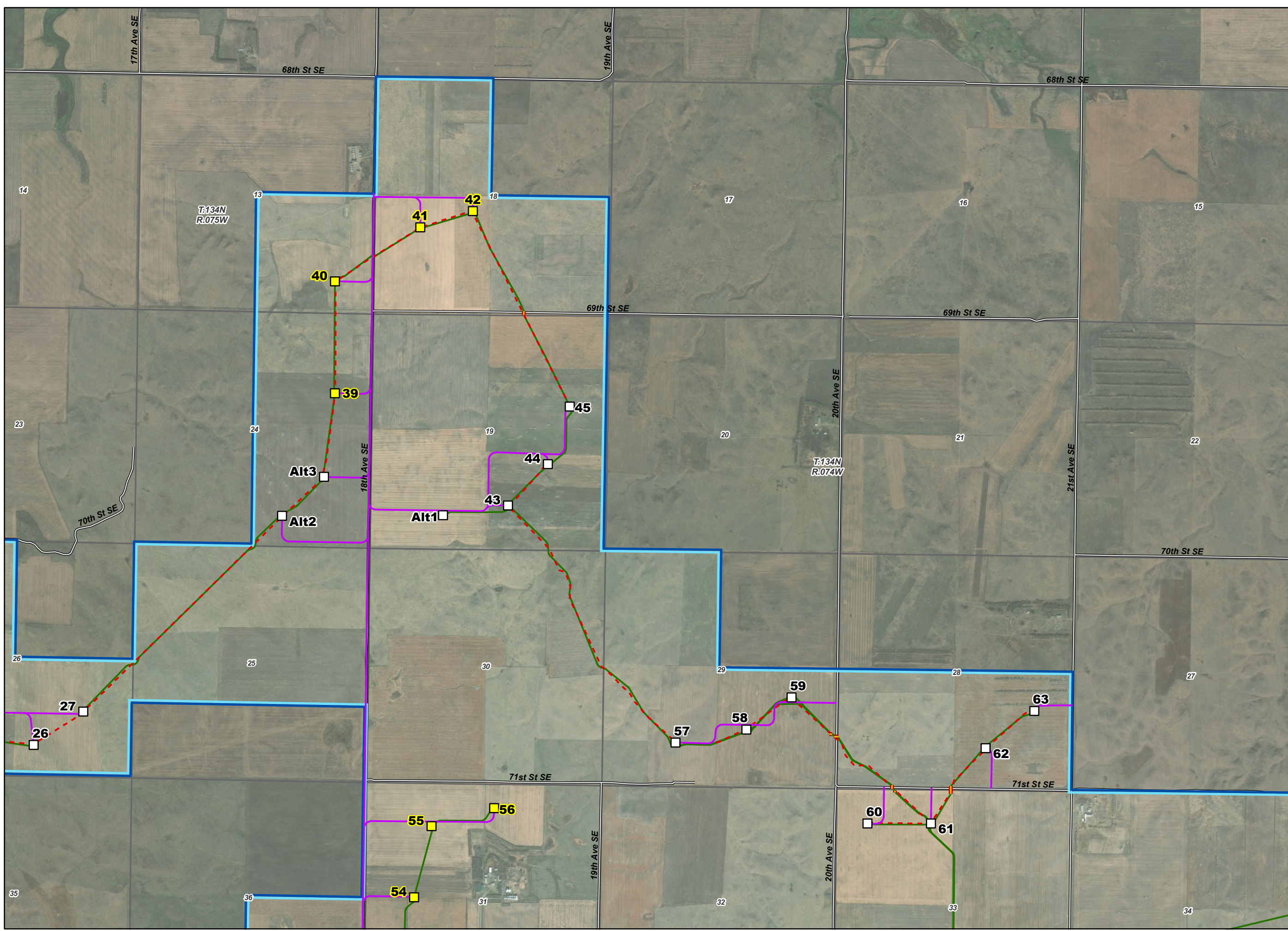
**EMMONS-LOGAN  
WIND ENERGY CENTER  
EMMONS AND LOGAN  
COUNTIES, ND**

**LEGEND**

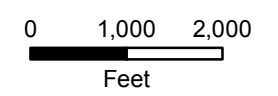
- County Boundary
- PLSS Township
- PLSS Section
- Existing Road

**Project Features**

- Turbines**
- GE 1.715 MW 262HH
  - GE 2.72 MW 295 HH
  - Service Road
  - Collection Line
  - Collection Line Bore Location
  - Crane Path
  - Emmons-Logan Wind Energy Center Project Area



Map 3 of 6


















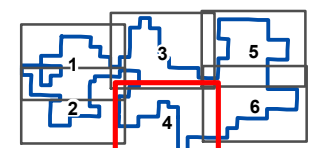
**Attachment 3  
Sheet 3 of 6  
Modified Energy  
Conversion Facility  
Site Plan Map Book**



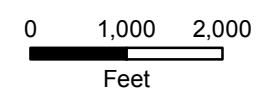
**EMMONS-LOGAN  
WIND ENERGY CENTER  
EMMONS AND LOGAN  
COUNTIES, ND**

**LEGEND**

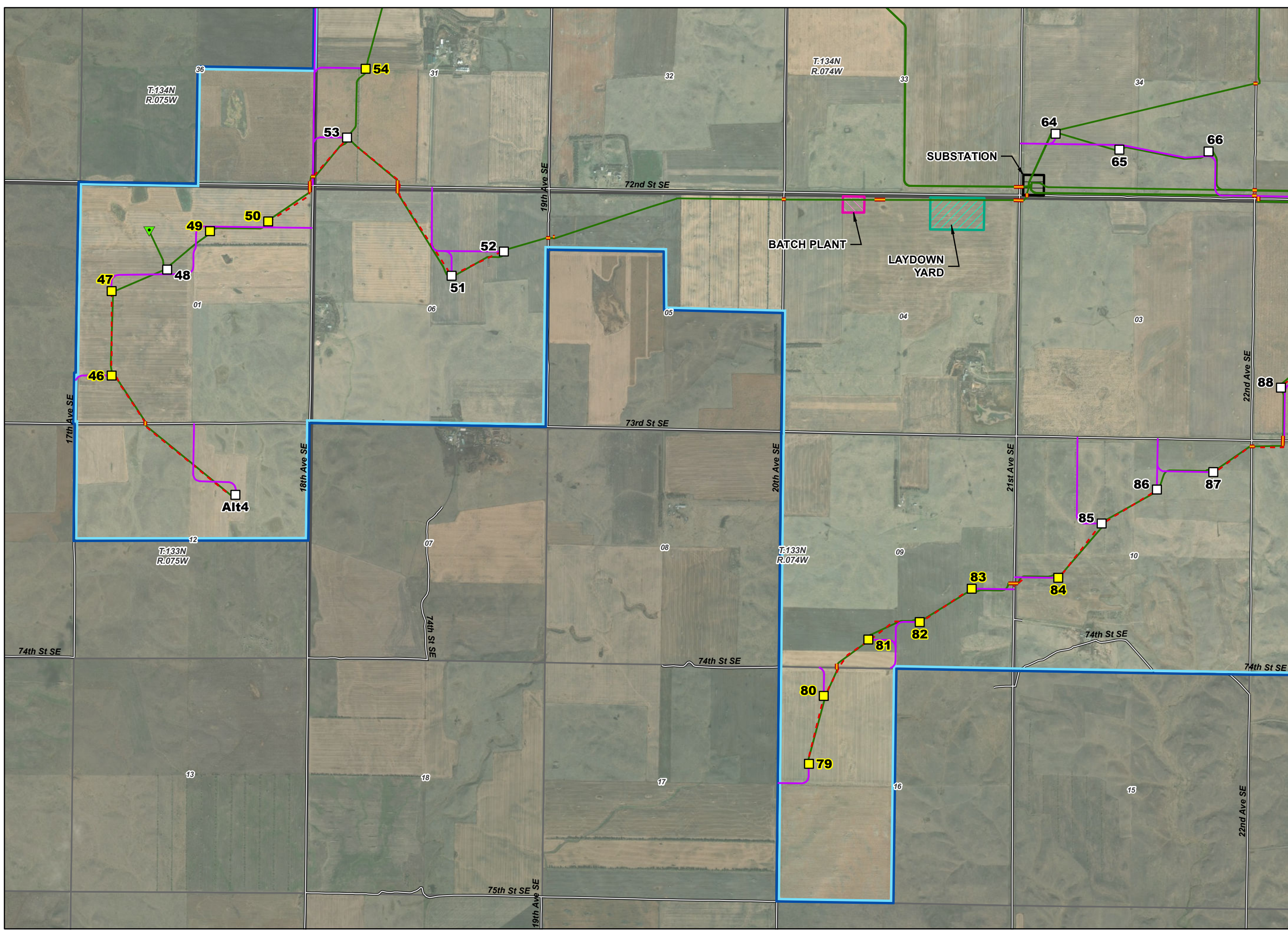
-  County Boundary
-  PLSS Township
-  PLSS Section
-  Existing Road
- Project Features**
- Turbines**
-  GE 1.715 MW 262HH
-  GE 2.72 MW 295 HH
-  Alternative Met Tower
-  Service Road
-  Collection Line
-  Collection Line Bore Location
-  Crane Path
-  Emmons-Logan Wind Energy Center Project Area
-  Substation
-  Batch Plant
-  Laydown Yard



Map 4 of 6



**Attachment 3  
Sheet 4 of 6  
Modified Energy  
Conversion Facility  
Site Plan Map Book**



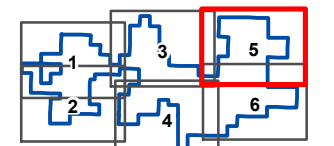
**EMMONS-LOGAN  
WIND ENERGY CENTER  
EMMONS AND LOGAN  
COUNTIES, ND**

**LEGEND**

- County Boundary
- PLSS Township
- PLSS Section
- Existing Road

**Project Features**

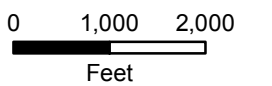
- Turbines**
- GE 1.715 MW 262HH
  - GE 2.72 MW 262 HH
  - GE 2.72 MW 262 HH, LTNE
  - GE 2.72 MW 295 HH
  - Met Tower
  - Service Road
  - Collection Line
  - Collection Line Bore Location
  - Crane Path
  - Emmons-Logan Wind Energy Center Project Area



Map 5 of 6

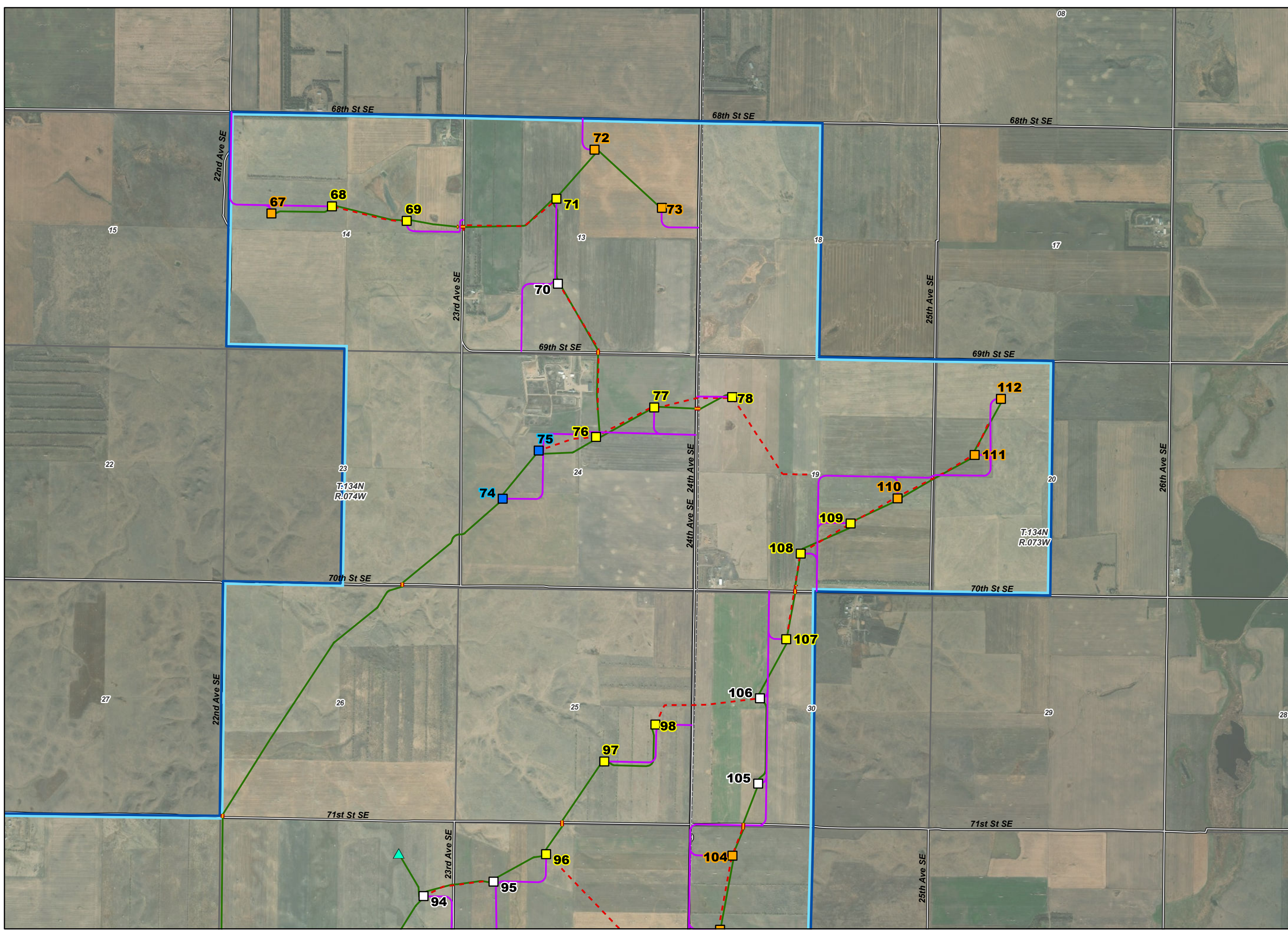


Project Location



**Attachment 3  
Sheet 5 of 6**

**Modified Energy  
Conversion Facility  
Site Plan Map Book**



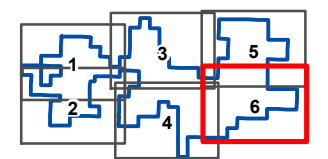
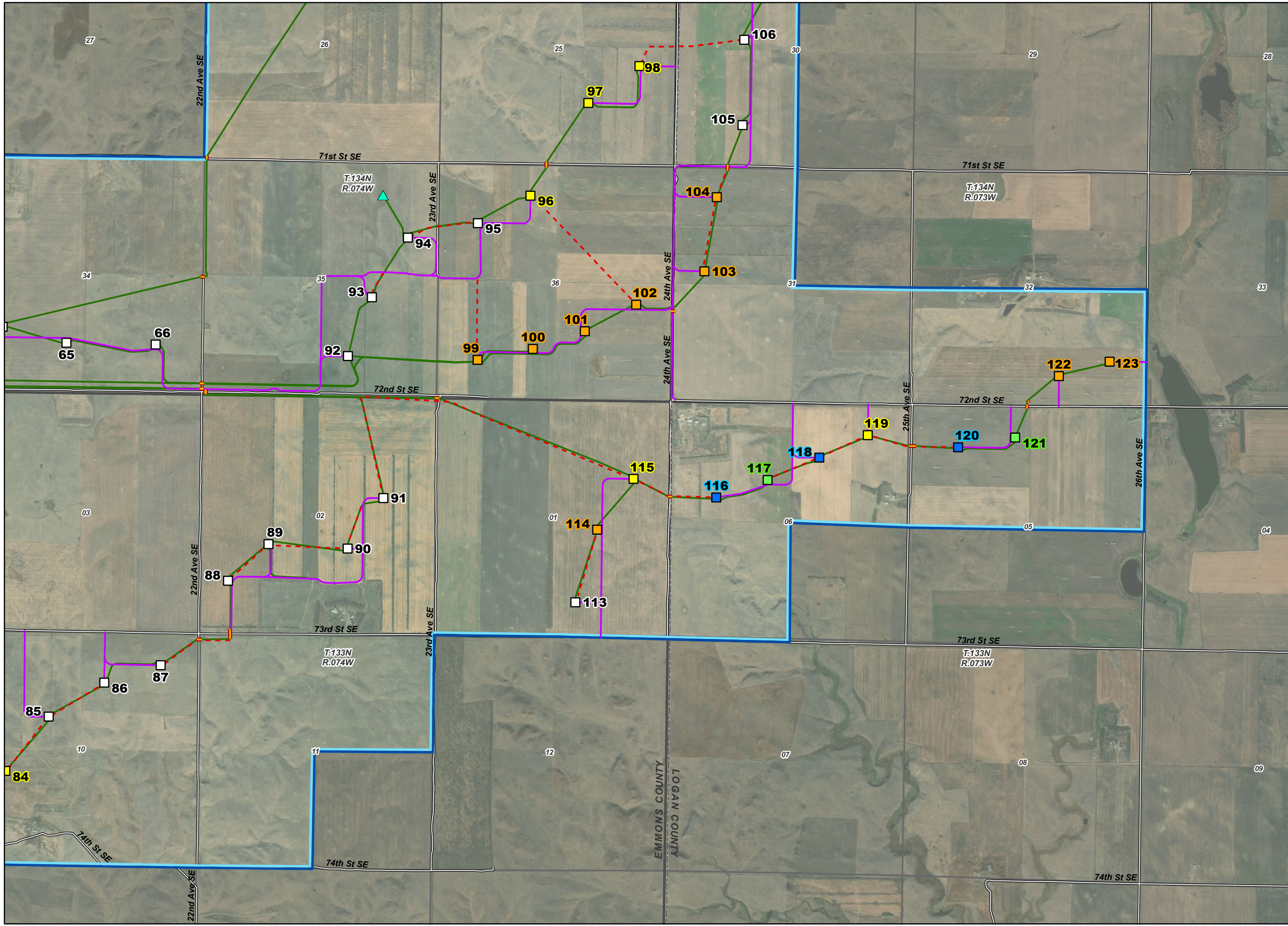
**EMMONS-LOGAN  
WIND ENERGY CENTER  
EMMONS AND LOGAN  
COUNTIES, ND**

**LEGEND**

- County Boundary
- PLSS Township
- PLSS Section
- Existing Road

**Project Features**

- Turbines**
- GE 1.715 MW 262HH
  - GE 2.72 MW 262 HH
  - GE 2.72 MW 262 HH, LTNE
  - GE 2.72 MW 295 HH
  - GE 2.72 MW 295 HH, LTNE
  - Met Tower
  - Service Road
  - Collection Line
  - Collection Line Bore Location
  - Crane Path
  - Emmons-Logan Wind Energy Center Project Area



Map 6 of 6

