



June 6, 2017

Darrell Nitschke  
Director of Administration/Executive Secretary  
North Dakota Public Service Commission  
600 East Boulevard, Dept. 408  
Bismarck, ND 58505-0480

**RE: Montana-Dakota Utilities Co. / Otter Tail Power Company 345KV Transmission Line  
- Dickey County Siting Application  
Case No. PU-13-840**

**Application for a Second Amended Route Permit and Supporting Documents for the  
Certificate of Corridor Compatibility and Route Permit**

Dear Mr. Nitschke:

Otter Tail Power Company and Montana-Dakota Utilities Co. (jointly, the Applicants) hereby submit a second amendment of the July 10, 2014, and amended on December 16, 2015, Order and Supplemental Order granting Route Permit No. 166. In addition, the Applicants submit the following documents in support of the Certificate of Corridor Compatibility No. 154 and Route Permit No. 166:

1. Application for a Second Amended Route Permit with the following Attachments:
  - i. Attachment A – Figures
  - ii. Attachment B – February 3, 2017 Plan and Profile of Structures 28-31
  - iii. Attachment C – Revised Survey Summary Table
  - iv. Attachment D – Revised Permit Summary Table
2. Documents in support of the Certificate of Corridor Compatibility and Route Permit
  - i. Natural Resources Conservation Service (NRCS) Tree Planting Plan
  - ii. Van Meter Township Building Permit
3. Affidavit of Al Koeckeritz
4. Affidavit of Brian Hunker

*Darrel Nitschke*

*June 6, 2017*

*Page 2*

An electronic copy of this filing is also being sent to you at [dnitschk@nd.gov](mailto:dnitschk@nd.gov) and to the North Dakota Public Service Commission at [ndpsc@nd.gov](mailto:ndpsc@nd.gov).

If you have any questions regarding this filing, please contact me at 218-739-8607 or [pbeithon@otpc.com](mailto:pbeithon@otpc.com).

Sincerely,

*/s/ PETE BEITHON*

Pete Beithon

Manager, Regulatory Recovery

Otter Tail Power Company

jch

Enclosures

By electronic filing and U.S. mail

cc: Dickey County Auditor's Office  
c/o Bev Kuska  
209 North 2<sup>nd</sup> Street  
Ellendale, ND 58436

**BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF NORTH DAKOTA**

MONTANA-DAKOTA UTILITIES CO. /	)	<b>Case No. PU-13-840</b>
OTTER TAIL POWER COMPANY 345 kV	)	
TRANSMISSION LINE – DICKEY COUNTY	)	
SITING APPLICATION	)	<b>APPLICATION FOR A</b>
	)	<b>SECOND AMENDED</b>
	)	<b>ROUTE</b>
	)	<b>PERMIT</b>

**I. INTRODUCTION**

On July 10, 2014, and amended on December 16, 2015, the North Dakota Public Service Commission (Commission) issued its Order and Supplemental Order granting Certificate of Corridor Compatibility No. 154 and Route Permit No. 166 (together with the Findings of Fact, Conclusion of Law, and Order, hereinafter referred to as the Order) to Otter Tail Power Company and Montana-Dakota Utilities Co. (jointly, the Applicants) for the North Dakota portion of their Big Stone South to Ellendale 345-kV Transmission Line Project (Project). The North Dakota portion of the Project (North Dakota Facility) consists of approximately 9-miles of 345-kV transmission line and associated facilities in Dickey County, North Dakota from a new Ellendale 345-kV Substation to the South Dakota border.

On December 16, 2015, the Commission issued the First Amended Certificate of Corridor Compatibility and Route Permit authorizing route and corridor modifications to accommodate a landowner’s request.

Since the first amendment, the Applicants have proposed a minor route shift at Structures 30 and 31 for engineering and safety purposes. The route modification would occur within the existing designated corridor and thus no corridor changes are proposed, at this time.

In addition to their request for an amended Route Permit for the Project to accommodate the alignment change, the Applicants request the following procedures and timelines be adopted by the Commission for consideration of this application. In accordance with Section 49-22-08.1 of the North Dakota Century Code which allows the Commission to prescribe form and

information contained within an application for amendment of a Route Permit, the Applicants requests that the Commission adopt the following requirement:

1. The Commission issues a notice of opportunity for hearing on the application and publishes it in the official newspaper of Dickey County, North Dakota, the county in which the proposed route modification is located.

## **II. REQUESTED MODIFICATIONS AND COMPLIANCE WITH SITING CRITERIA**

The Applicants' proposed route modification is discussed in more detail in Section A below. Information regarding the Commission's siting criteria, as applied to the proposed modification, is provided in Section B below.

### **A. Route Modification**

#### **a. Route Modification from Structure 30 – 31**

It was determined during engineering reviews that an existing 115kV transmission line posed safety concerns during the wire pulling and stringing phase of construction. Structure 30 is a corner structure, which requires a larger clearance between construction vehicles for stringing of conductors and the existing 115kV transmission line. The existing 115kV transmission line was within the potential wire-pull limits. It was determined the best way to address this concern was to shift the structure away from the existing 115kV transmission line. The proposed modification would shift Structure 30 about 150 feet west and Structure 31 approximately 80 feet to the southwest.

To accommodate this shift, the Applicants ask that the Commission approve the route modification depicted in Figure 1 on the map book page 4 of 6 and a detailed map in Figure 2 provided as Attachment A, Figures. Attachment B provides a revised plan and profile of the route modification. Please note that Attachment A includes structure numbers from preliminary engineering (indicated with a "-P" in the number) and the new structure numbers as finalized by engineering.

No new landowners are involved with this route modification. The landowner whose land that the route shift occurs on was consulted about the route shift and has given approval for the route shift. The landowner has executed an easement with the Applicants for the Project.

**b. Structure Numbers**

The transmission line structures have new structure numbers assigned from the structure numbers filed in the Application and the first amendment, due to engineering being finalized. The revised and preliminary structure numbers are depicted on Figure 1 (Attachment A). Table 1 below lists revised and preliminary structure numbers.

**Table 1: Structure Number Revisions**

<b>8/28/2015 Preliminary Structure Number</b>	<b>2/3/2017 Revised Structure Number</b>
002-P	1
003-P	2
004-P	3
005-P	4
006-P	5
008-P	6
009-P	7
010-P	8
011-P	9
012-P	10
013-P	11
014-P	12
015-P	13
016-P	14
017-P	15
018-P	16
019-P	17
020-P	18
021-P	19
022-P	20
023-P	21
024-P	22
025-P	23
026-P	24
027-P	25
028-P	26
029-P	27
030-P	28
031-P	29
032-P	30
033-P	31

<b>8/28/2015 Preliminary Structure Number</b>	<b>2/3/2017 Revised Structure Number</b>
034-P	32
035-P	33
036-P	34
037-P	35
038-P	36
039-P	37
040-P	38
041-P	39
042-P	40
043-P	41

**B. Compliance with Siting Criteria**

The proposed route modification complies with the Commission’s siting criteria set forth in Section 69-06-08-02 of the North Dakota Administrative Code. Information regarding the exclusion areas and avoidance areas present within the proposed route modification, as well as information regarding the selection criteria and policy criteria as they relate to the proposed modification, is provided below.

1. Exclusion Areas

Per Section 69-06-08-02-1 of the North Dakota Administrative Code, “...the following geographical areas must be excluded in the consideration of a route for a transmission facility. A buffer zone of reasonable width to protect the integrity of the area must be included. Natural screening may be considered in determining the width of the buffer zone.” As shown in Table 2, no exclusion areas are located within the proposed route modification (Attachment A).

**Table 2: Exclusion Areas –Route Modification**

<b>Geographic Area</b>	<b>Present within Modification</b>	<b>Proposed Buffer</b>
Designated or registered national: parks; memorial parks; historic sites and landmarks; natural landmarks; monuments; and wilderness areas	Not present within route modification	No impacts are anticipated and no buffer is proposed
Designated or registered state: parks; historic sites; monuments; historical markers; archaeological sites; and nature preserves	Not present within route modification	No impacts are anticipated and no buffer is proposed
County parks and recreational areas; municipal parks; and parks owned or administered by other governmental subdivisions	Not present within route modification	No impacts are anticipated and no buffer is proposed

<b>Geographic Area</b>	<b>Present within Modification</b>	<b>Proposed Buffer</b>
Areas critical to the life stages of threatened or endangered animal or plant species	Not present within route modification	No impacts are anticipated and no buffer is proposed
Areas where animal or plant species that are unique or rare to this state would be irreversibly damaged	Not present within route modification	No impacts are anticipated and no buffer is proposed
Areas within 1,200 feet of the geographic center of an intercontinental ballistic missile (ICBM) launch or launch control facility	Not present within route modification	No impacts are anticipated and no buffer is proposed
Areas within 30 feet on either side of a direct line between ballistic missile (ICBM) launch or launch control facilities to avoid microwave interference	Not present within route modification	No impacts are anticipated and no buffer is proposed

## 2. Avoidance Areas

Per Section 69-06-08-02-2 of the North Dakota Administrative Code, "...the following geographical areas may not be considered in the routing of a transmission facility unless the applicant shows that under the circumstances there is no reasonable alternative. In determining whether an avoidance area should be designated for a facility, the Commission may consider, among other things, the proposed management of adverse impacts; the orderly siting of facilities; system reliability and integrity; the efficient use of resources; and alternative routes. Economic considerations alone will not justify approval of these areas. A buffer zone of a reasonable width to protect the integrity of the area shall be included unless a distance is specified in the criteria. Natural screening may be considered in determining the width of the buffer zone." As set forth in Table 3, with the exception of rural water pipelines, which may be present but are not anticipated to be impacted, no avoidance areas are located within the proposed route modification (Attachment A).

**Table 3: Avoidance Areas – Route Modification**

<b>Avoidance Area</b>	<b>Present within Modification</b>	<b>Proposed Buffer</b>
Designated or registered national historic districts; wildlife areas; wild, scenic, or recreational rivers; wildlife refuges; and grasslands	Not present within route modification	No impacts are anticipated and no buffer is proposed
Designated or registered state wild, scenic, or recreational rivers; game refuges; game management areas; management areas; forests; forest management lands; and grasslands	Not present within route modification	No impacts are anticipated and no buffer is proposed
Historical resources which are not specifically designated as exclusion or avoidance areas	Not present within route modification	No impacts are anticipated and no buffer is proposed

<b>Avoidance Area</b>	<b>Present within Modification</b>	<b>Proposed Buffer</b>
Areas that are geologically unstable	Not present within route modification	No impacts are anticipated and no buffer is proposed
Within 500 feet of a residence, school, or place of business	Not present within route modification	No impacts are anticipated and no buffer is proposed
Reservoirs and municipal water supplies	Not present within route modification	No impacts are anticipated and no buffer is proposed
Water sources for organized rural water districts	Not present within route modification	No impacts are anticipated and no buffer is proposed
Irrigated land	Not present within route modification	No impacts are anticipated and no buffer is proposed
Areas of recreational significance which are not designated as exclusion areas	Not present within route modification	No impacts are anticipated and no buffer is proposed

### 3. Selection Criteria

Per Section 69-06-08-02-3 of the North Dakota Administrative Code, "...a corridor or route shall be designated only when it is demonstrated to the Commission by the applicant that any significant adverse effects resulting from the location, construction, and maintenance of the facility, as they relate to the following, will be at an acceptable minimum, or that those effects will be managed and maintained at an acceptable minimum." Table 4 addresses the selection criteria as they relate to the proposed route modification.

**Table 4: Selection Criteria – Route Modification**

<b>Selection Criteria</b>	<b>Potential Adverse Effects</b>
<b>The impact upon agriculture:</b>	
Agricultural production	No additional permanent impacts will occur as a result of the structure shifts. Temporary construction impacts such as soil compaction and crop damage will likely occur; approximately one acre per structure. The Applicants will work with the landowner to minimize impacts to agricultural production. .
Family farms and ranches	Land area used for the 345-kV transmission line route and structures will have a minimal adverse effect on family farms. No family farms will be displaced due to construction of the Project.
Land which the owner can demonstrate has soil, topography, drainage, and an available water supply that cause the land to be economically suitable for irrigation	No irrigated lands are present within the modification. If a landowner expresses concerns related to economically suitable irrigation on their land, the Applicants will work with them to avoid or minimize impacts.

Selection Criteria	Potential Adverse Effects
Surface drainage patterns and ground water flow patterns	No impacts are anticipated to rivers, streams, or drainageways; no effects on groundwater flow patterns are anticipated. The structure locations will not affect surface drainage patterns. To minimize impacts during construction, the Applicants will follow applicable regulations under the North Dakota Pollutant Discharge Elimination System (NDPDES) General Permit for Stormwater Discharges Associated with Construction Activity. NPDES permit coverage was obtained on March 29, 2017.
<b>The impact upon:</b>	
Sound-sensitive land uses	Nearby homes may experience short-term effects during construction such as elevated noise levels and increased vehicle traffic. Noise impacts are nominal. There are no sound-sensitive receptors within 500 feet of the modified route.
Visual effect on the adjacent area	Visual impacts will be most evident to landowners and residents near the North Dakota Facility and drivers traveling along adjacent roadways. The Applicants propose to mostly use single-pole steel structures commonly used by transmission line facilities across the state. Structures will also avoid sensitive areas to the extent practicable.
Extractive and storage resources	No extractive and storage resources are located in the modification. No impacts anticipated.
Wetlands, woodlands, and wooded areas	There are no additional impacts to wetlands or trees from the proposed route modification.
Radio and television reception and other communication or electronic control facilities	No communication resources are located in the modification. No impacts anticipated.
Human health and safety	No impacts on human health and safety are anticipated from the operation of the North Dakota Facility.
Animal health and safety	No impacts to livestock are anticipated. Impacts to wildlife populations are expected to be minimal. Potential avian collisions may occur, but are anticipated to be relatively small. The Applicants developed a Line Marking Plan to minimize potential avian collisions per APLIC guidelines which was reviewed and submitted to the U.S. Fish and Wildlife Service.
Plant life	The Project area is primarily agricultural in nature. Permanent impacts to plant life will occur at structure locations and areas of tree clearing. Areas of temporary construction impacts will be restored. Impacts to individual trees would be replaced per the Commission's specifications.

#### 4. Policy Criteria

Per Section 69-06-08-02-4 of the North Dakota Administrative Code, "...the Commission may give preference to an applicant that will maximize benefits that result from the adoption of the following policies and practices, and in a proper case may require the adoption of such policies and practices." Table 5 addresses the policy criteria as they relate to the proposed route modification.

**Table 5: Policy Criteria – Route Modification**

<b>Policy Criteria</b>	<b>Suitable Policy or Practice of Applicant</b>
Location and design	The Applicants have attempted to locate and design the route to minimize environmental impacts and utilize existing corridors where practical.
Training and utilization of available labor in this state for the general and specialized skills required	The Applicants will use local labor and resources during construction to the extent practicable based on available qualified personnel.
Economies of construction and operation	The Applicants will utilize local contractors to the extent practicable based on available qualified personnel.
Use of citizen coordinating committees	The Applicants have and will continue to work with landowners on development of the Project.
A commitment of a portion of the transmitted product for use in this state	Energy transmitted by the Project will be used in the Applicants' service territory, which includes North Dakota.
Labor relations	No labor relations will be affected.
Coordination of facilities	Existing facilities were considered in the location of the Project.
Monitoring of impacts	The Applicants and the construction contractor will employ Best Management Practices (BMPs) during construction to minimize environmental impacts and will maintain commitments made in this Application and applicable permit conditions, including the Commission's Order and Amended Order approving the North Dakota Facility. The Applicants will monitor the success of tree and shrub replacement, if needed.
Utilization of existing and proposed rights-of-way and corridors	One of the primary goals in locating the corridor and route was to maximize use of existing transmission and roadway corridors and rights-of-way. The proposed route is consistent with this policy and is the best location when considering the factors identified by the Commission, landowners, the policies of the Applicants, and Project design.
Other existing or proposed transmission facilities	The corridor and route parallels existing transmission and roadway corridors to the extent practical.

The Applicants' environmental policies are consistent with the Commission's policy criteria outlined above. *See also* Section 3.4 of the Applicants' Certificate of Corridor Compatibility and Route Permit application.

### **III. WAIVER REQUEST**

Consistent with the Commission's Energy and Transmission Facility Guidelines, the Applicants provide the following information in support of its Route Permit amendment application:

**A. Project Description**

1. Type

The Applicants are approved by the Commission and South Dakota Public Utilities Commission to construct, own, and operate a single-circuit, 345-kV transmission line, approximately 162 miles long, extending from Ellendale, North Dakota, to Big Stone City, South Dakota. Montana-Dakota will construct the new Ellendale 345-kV Substation and tie lines and modify the existing Ellendale 230-kV Substation, near Ellendale, North Dakota (see Attachment A). The North Dakota Facility which consists of about 9 miles of transmission line is located entirely in Dickey County, North Dakota.

2. Product

The Project will transmit electrical energy generated from sources primarily within North Dakota and South Dakota. The transmission line is intended to carry three-phase, AC power at 345-kV. The electric power (the “product” for purposes of this Amendment) will be available for delivery within the entire MISO region, including North Dakota, as well as potential delivery outside the MISO region.

3. Size and Design

The approximately 9 miles of 345-kV transmission line will be constructed with single-pole steel structures. The average height of the single-pole structures will range from about 125 to 155 feet. The average span between structures will range from 700 to 1,200 feet (typically about 1,000 feet) and will vary depending on geological or engineering constraints identified during final design. The right-of-way will be 150-foot-wide. Specialty structures and foundations may be required in certain circumstances. The Project, for purposes of this Application, consists of 345kV transmission line, associated structures, conductors, shield wires, and other components along with the Ellendale 345-kV Substation.

4. Location

The North Dakota Facility will extend from the Ellendale 345-kV Substation near Ellendale, North Dakota to the North Dakota-South Dakota border near the intersection of 100<sup>th</sup> Street and 388<sup>th</sup> Avenue in Section 32 Township 129 North, Range 62 West. The proposed route modification between structures 30 to 31 is located in Section 20, Township 129 North, Range 62 West in Dickey County, North Dakota.

5. Geographical Service Area

The proposed 345 kV transmission line will provide wholesale electric service for the MISO region which includes North Dakota well as other states in the MISO region.

6. Time Schedule

The Project schedule is based on information known as of the date of this filing and upon planning assumptions. This schedule is subject to adjustment and revision as further information is developed. The Applicants plan to give milestone updates through the Project's newsletter and website.

- Material Procurement Commitments: started in 2015 and is ongoing
- Land Right Easements Obtained: 2015-2016
- Final Transmission Line and Substation Design: started in 2016 and is ongoing
- Construction Start: started in 2016 and is ongoing
- Testing Operations: 2019
- In-Service Operations: 2019
- Final Land Rights, Settlements, and Cleanup: 2020

7. Future Plans

There are no current plans for future expansion beyond the components listed in this Application.

**B. Need for Facility**

A CPCN was issued by the Commission for the North Dakota Facility in Case No. PU-13-272 for Montana-Dakota and Case No. PU-13-273 for Otter Tail Power Company on September 25, 2013. The need for the Project was discussed in Paragraph 8 of the Order.

**C. Cost**

As stated in the October 2013 Application, the total cost of the North Dakota portion of the Project is still estimated to be approximately \$43 million to \$50 million in 2013 dollars and includes expenses for surveys, engineering, materials, construction, land rights, and project management. This estimated cost breaks down to be approximately \$15 – 22 million for the 345-kV transmission line and about \$28 million for the Ellendale 345-kV Substation and other modifications.

**D. Waiver Request**

Granting the abbreviated procedures and time schedules is appropriate because the Commission has already issued a Certificate of Corridor Compatibility and Route Permit for the

Project; thus, it has been determined that the Project will produce minimal adverse effects. In addition, granting the requested route modification will ensuring compliance with safety best practices.

Furthermore, the documentation of environmental and cultural resource studies and analyses conducted for the proposed route modification demonstrates that there will be minimal adverse effects due to the modification, and that the proposed modification complies with the exclusion and avoidance area criteria set forth in Section 69-06-08-02 of the North Dakota Administrative Code. As such, the requested modification also complies with the requirements of Section 69-06-05-02-2 of the North Dakota Administrative Code. Attachment C lists the status of surveys and Attachment D lists the status of permit and/or approvals.

Accordingly, the Applicants respectfully request that the Commission adopt the requested procedures and time schedules, approve the requested route modification, and issue an order granting an amended Route Permit for the Project.

Dated this 6th day of June, 2017.

OTTER TAIL POWER COMPANY

By /S/ PETE BEITHON  
Pete Beithon  
Manager, Regulatory Recovery  
215 S. Cascade Street  
P.O. Box 496  
Fergus Falls, MN 56538-0496  
(218) 739-8607

*This page is intentionally left blank.*

Attachment A: Figures

Figure 1: Project Map Book of the North Dakota Facility

Figure 2: Proposed Route Modification

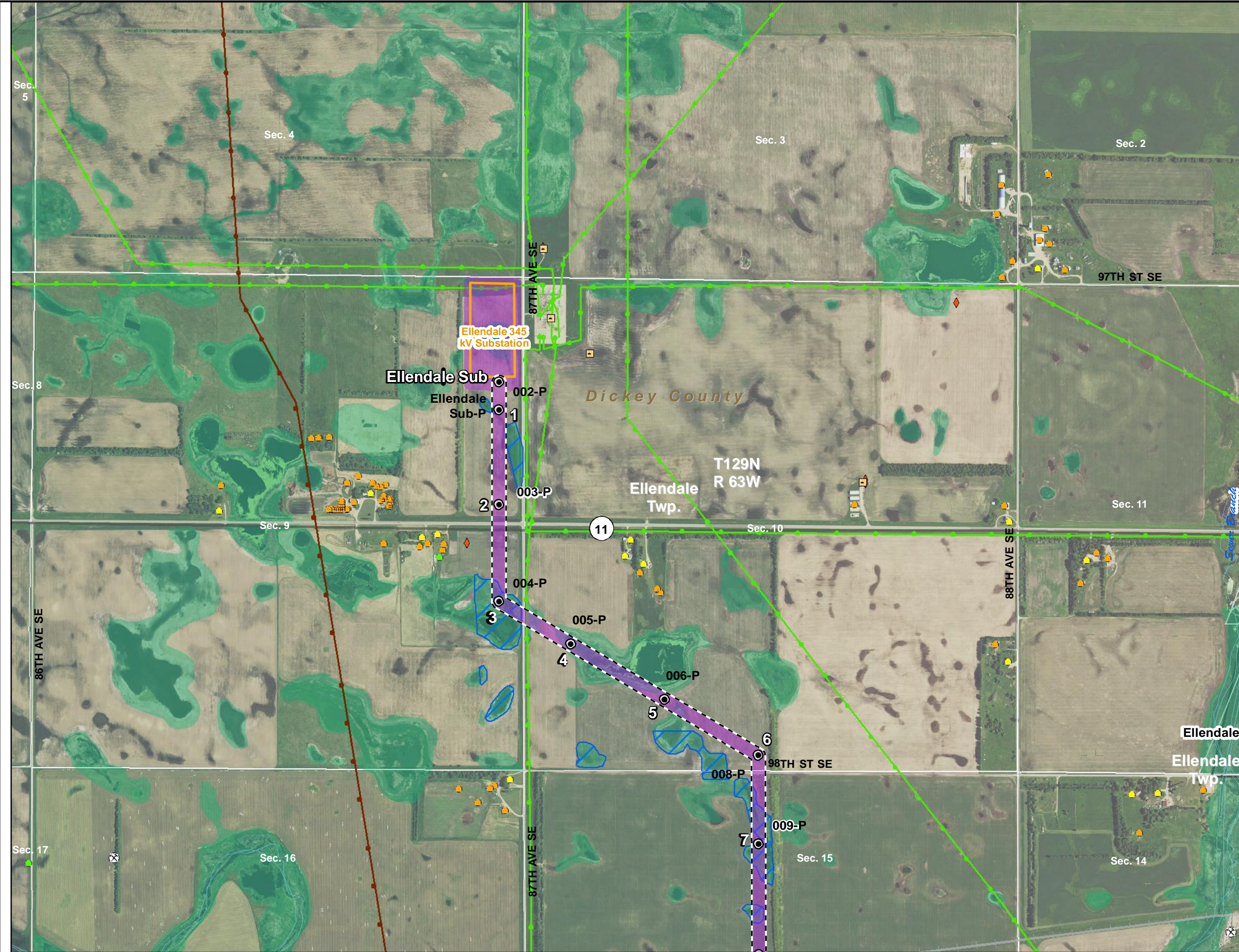
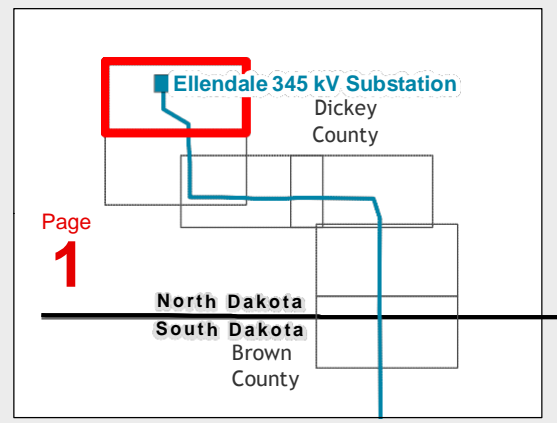
*This page is intentionally left blank.*

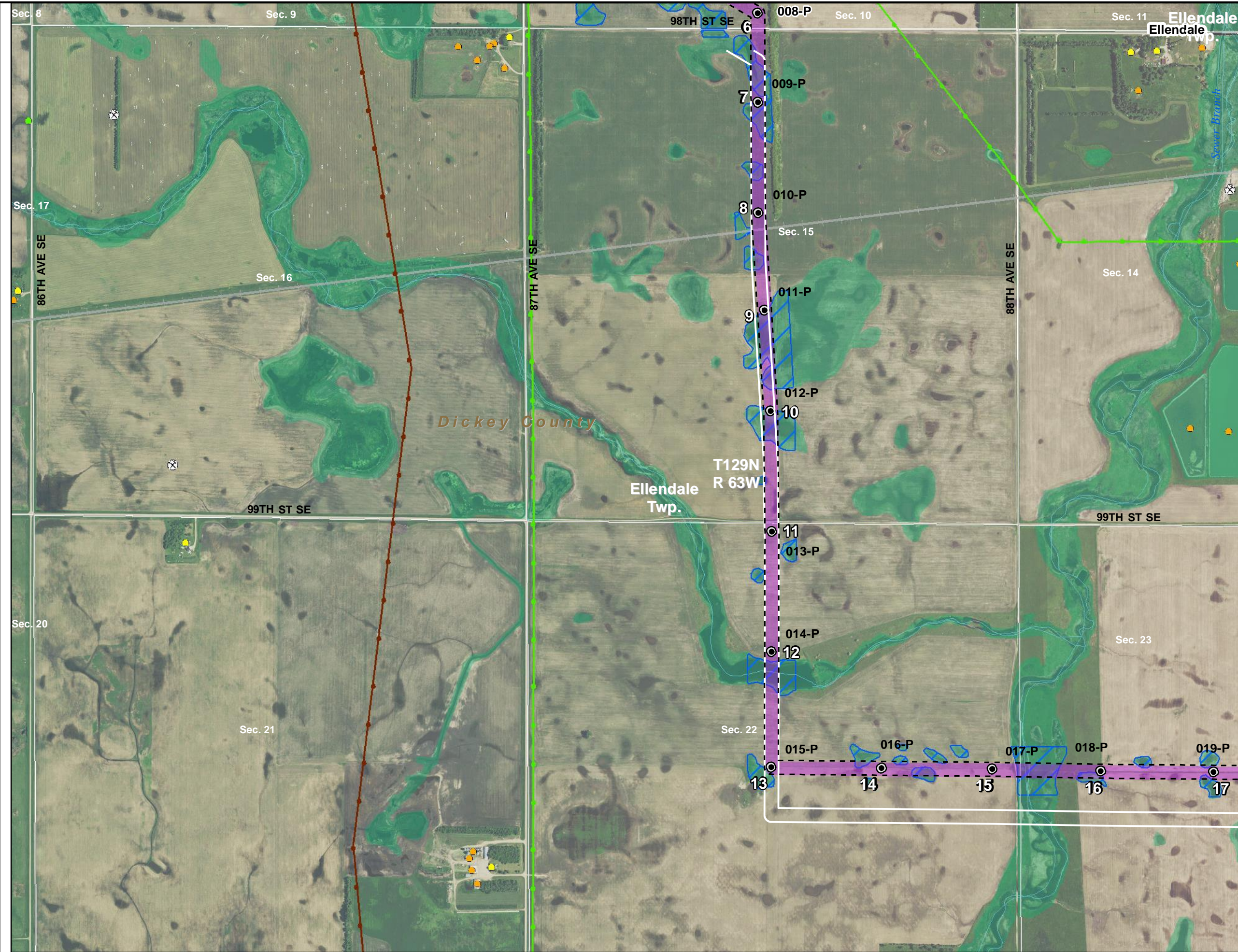
**Figure 1**  
**Big Stone South to Ellendale**  
**345 kV Transmission Line Project**  
**North Dakota**  
 Page 1 of 6

- |                                       |                               |
|---------------------------------------|-------------------------------|
| North Dakota Corridor                 | Railroad                      |
| Facility Structures as of 8/28/2015   | Abandoned Railroad            |
| Facility Structures as of 2/3/2017    | Electric Transmission Line    |
| Facility Corridor from 8/28/2015      | Oil or Gas Pipeline           |
| Facility ROW as of 2/3/2017           | Planned Center Pivot Sections |
| Ellendale 345kV Substation Boundary   | Township                      |
| River/Stream                          | City Boundary                 |
| Field Reviewed Wetland / Other Waters |                               |
| Desktop Delineated Wetlands           |                               |
| Dwelling - Occupied                   |                               |
| Dwelling - Unknown/Vacant             |                               |
| Ag/Other Structure                    |                               |
| Gravel Pit/Mining                     |                               |
| Utility                               |                               |
| Communication Tower                   |                               |



Scale 1:12,000



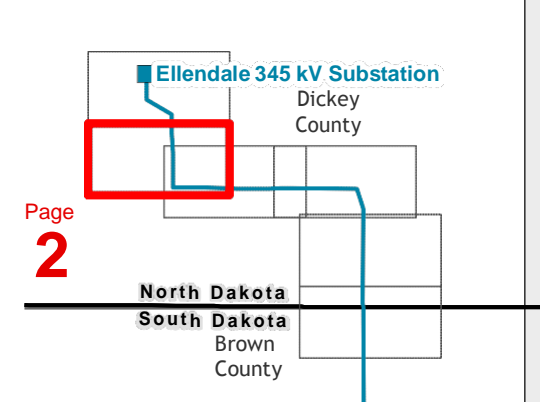


**Figure 1**  
 Big Stone South to Ellendale  
 345 kV Transmission Line Project  
 North Dakota  
 Page 2 of 6

- North Dakota Corridor
- Facility Structures as of 8/28/2015
- Facility Structures as of 2/3/2017
- Facility Corridor from 8/28/2015
- Facility ROW as of 2/3/2017
- River/Stream
- Field Reviewed Wetland / Other Waters
- Desktop Delineated Wetlands
- Dwelling - Occupied
- Dwelling - Unknown/Vacant
- Ag/Other Structure
- Gravel Pit/Mining
- Communication Tower
- Railroad
- Abandoned Railroad
- Electric Transmission Line
- Oil or Gas Pipeline
- Planned Center Pivot Sections
- Township
- City Boundary



Scale 1:12,000

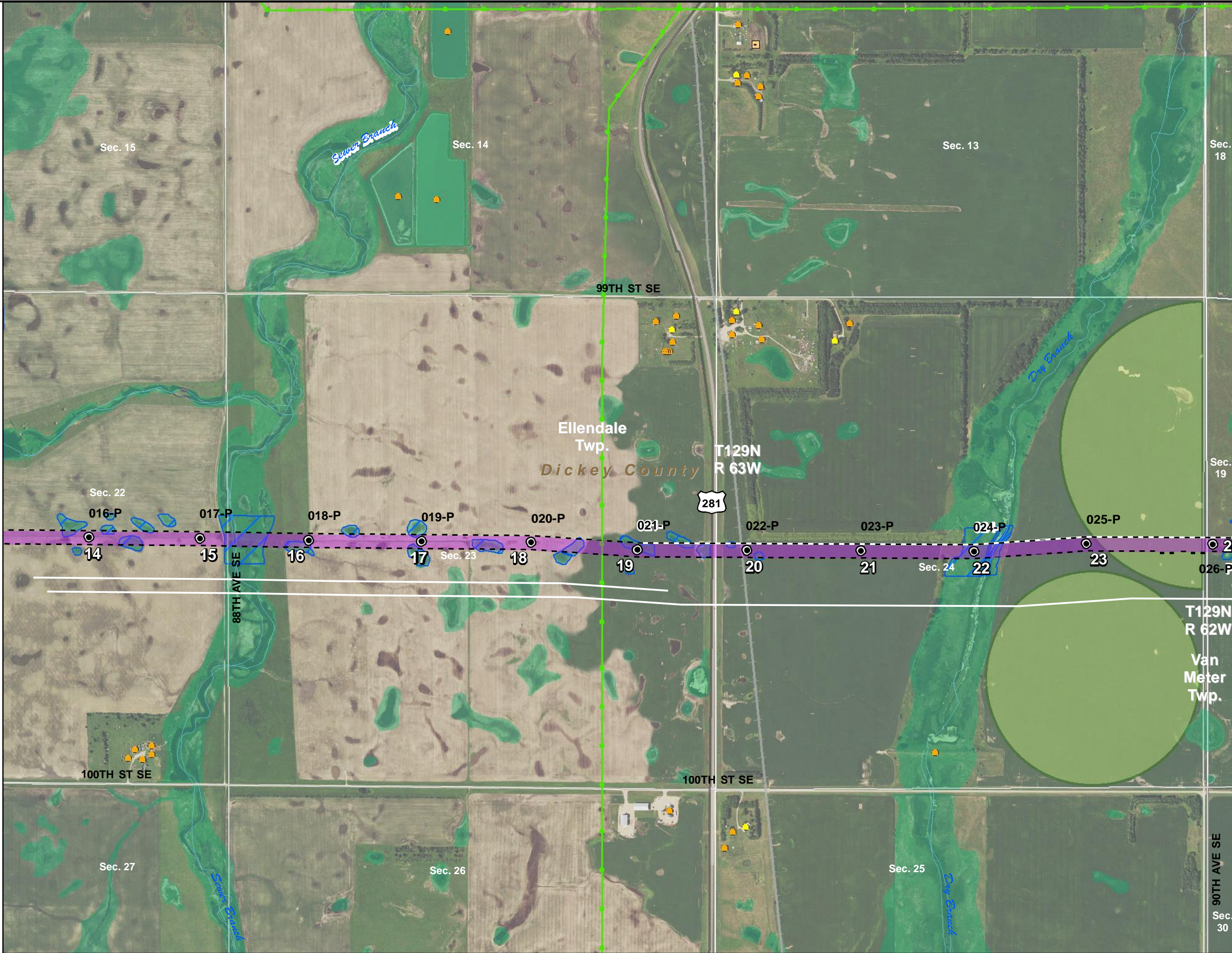


Page  
**2**

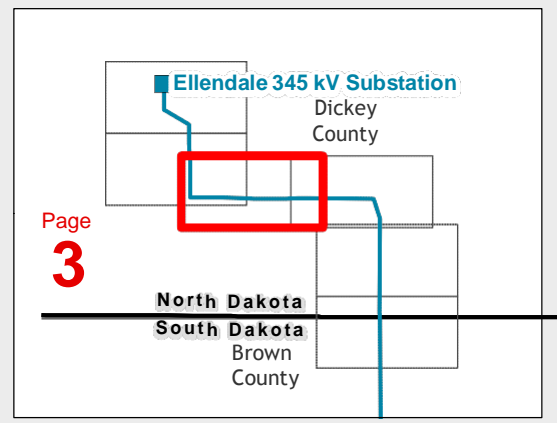


**Figure 1**  
 Big Stone South to Ellendale  
 345 kV Transmission Line Project  
 North Dakota  
 Page 3 of 6

- |                                       |                                 |
|---------------------------------------|---------------------------------|
| ● Facility Structures as of 8/28/2015 | — Railroad                      |
| ○ Facility Structures as of 2/3/2017  | — Abandoned Railroad            |
| --- Facility Corridor from 8/28/2015  | — Electric Transmission Line    |
| --- Facility ROW as of 2/3/2017       | — Oil or Gas Pipeline           |
| ~ River/Stream                        | — Planned Center Pivot Sections |
| Field Reviewed Wetland / Other Waters | □ Township                      |
| Desktop Delineated Wetlands           | □ City Boundary                 |
| ● Dwelling - Occupied                 |                                 |
| ● Ag/Other Structure                  |                                 |
| ◆ Communication Tower                 |                                 |



Scale 1:12,000

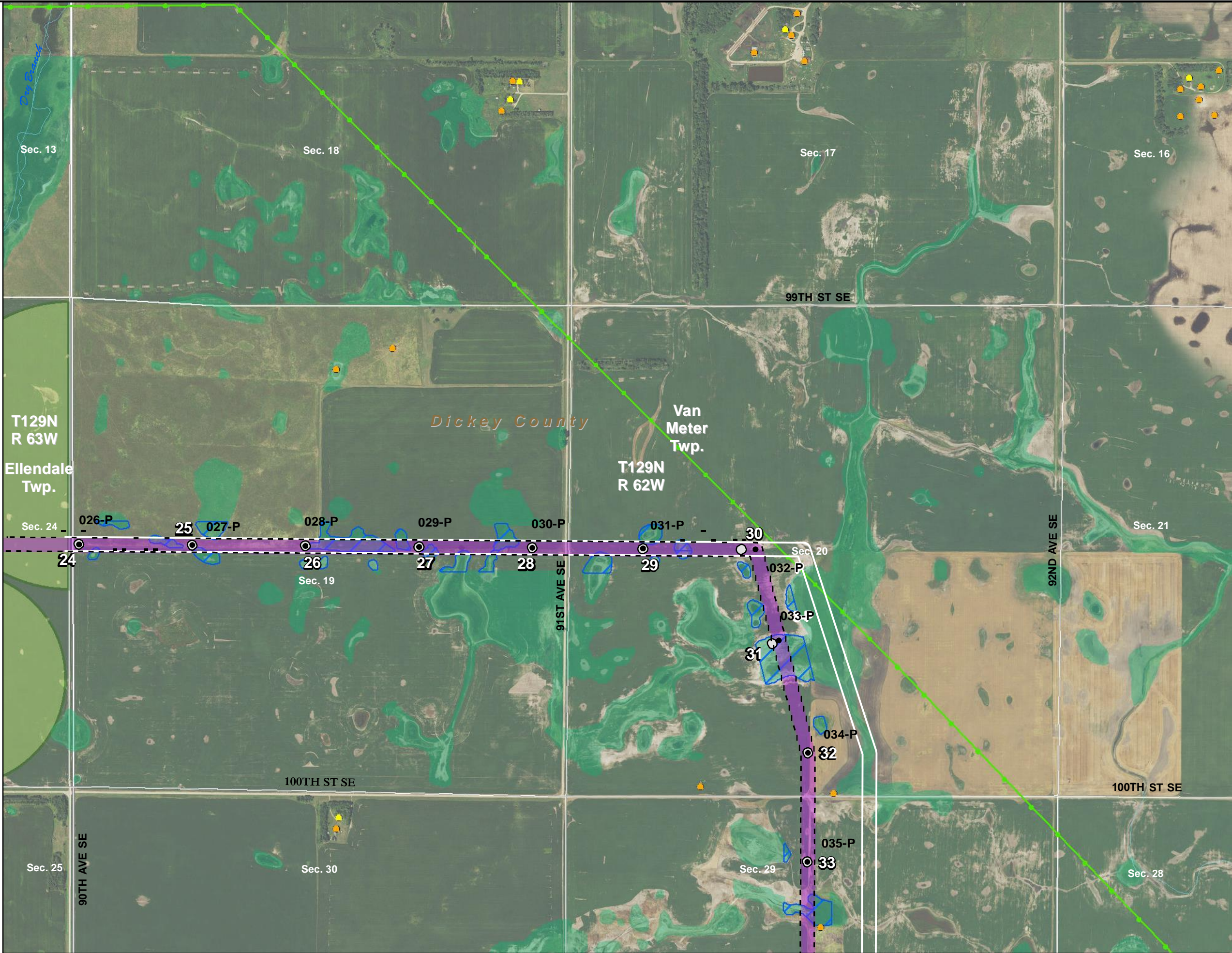


Page 3

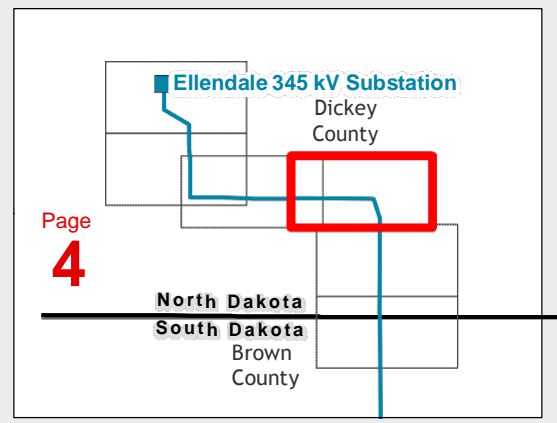


**Figure 1**  
Big Stone South to Ellendale  
345 kV Transmission Line Project  
North Dakota  
Page 4 of 6

- North Dakota Corridor
- Facility Structures as of 8/28/2015
- Facility Structures as of 2/3/2017
- Facility Corridor from 8/28/2015
- Facility ROW as of 2/3/2017
- River/Stream
- Field Reviewed Wetland / Other Waters
- Desktop Delineated Wetlands
- Dwelling - Occupied
- Ag/Other Structure
- Communication Tower
- Railroad
- Abandoned Railroad
- Electric Transmission Line
- Oil or Gas Pipeline
- Planned Center Pivot Sections
- Township
- City Boundary



Scale 1:12,000



Page  
**4**

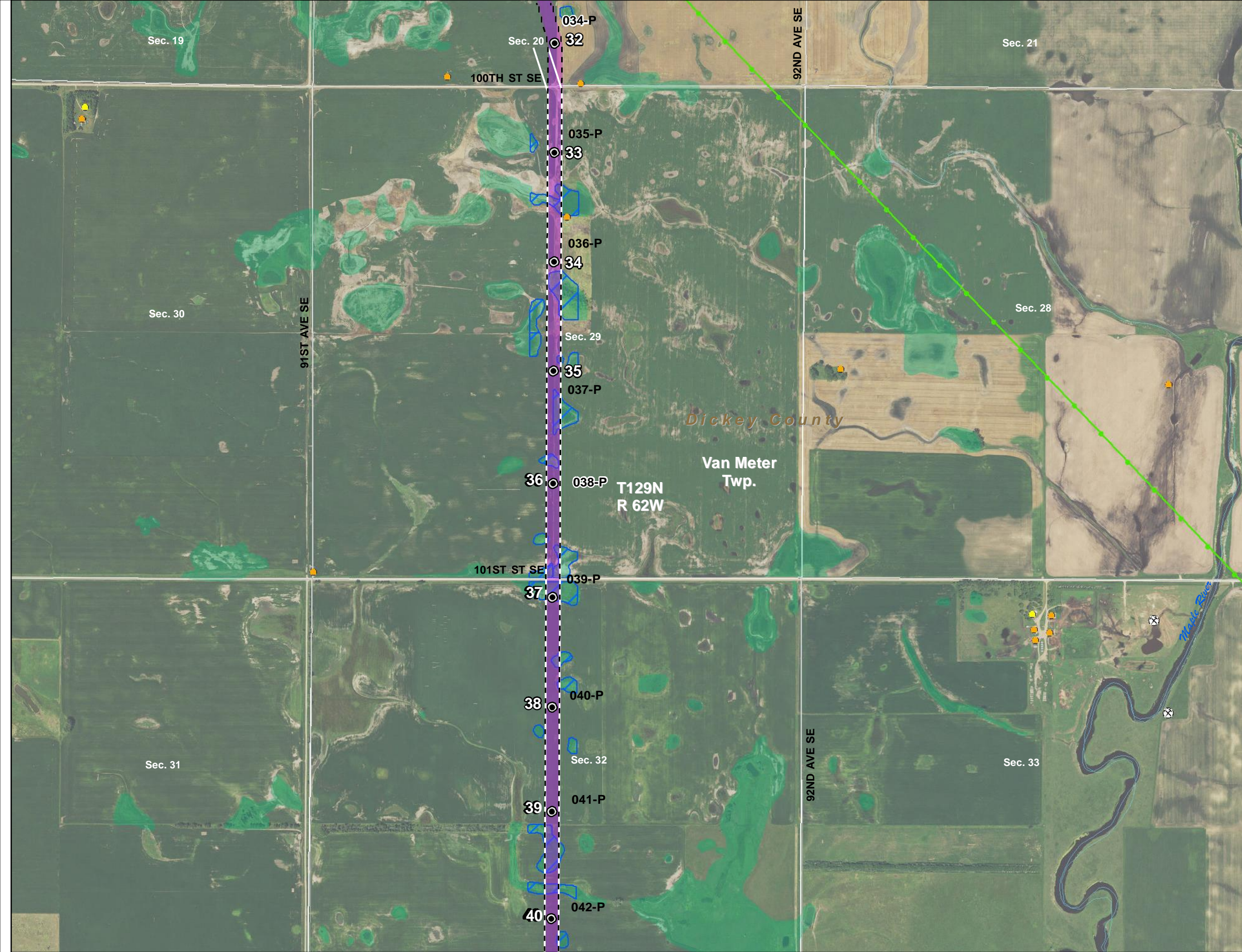
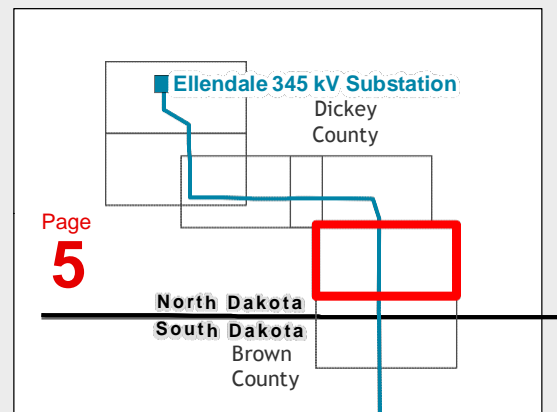


**Figure 1**  
 Big Stone South to Ellendale  
 345 kV Transmission Line Project  
 North Dakota  
 Page 5 of 6

- |                                       |                               |
|---------------------------------------|-------------------------------|
| North Dakota Corridor                 | Railroad                      |
| Facility Structures as of 8/28/2015   | Abandoned Railroad            |
| Facility Structures as of 2/3/2017    | Electric Transmission Line    |
| Facility Corridor from 8/28/2015      | Oil or Gas Pipeline           |
| Facility ROW as of 2/3/2017           | Planned Center Pivot Sections |
| River/Stream                          | Township                      |
| Field Reviewed Wetland / Other Waters | City Boundary                 |
| Desktop Delineated Wetlands           |                               |
| Dwelling - Occupied                   |                               |
| Ag/Other Structure                    |                               |
| Gravel Pit/Mining                     |                               |
| Communication Tower                   |                               |



Scale 1:12,000



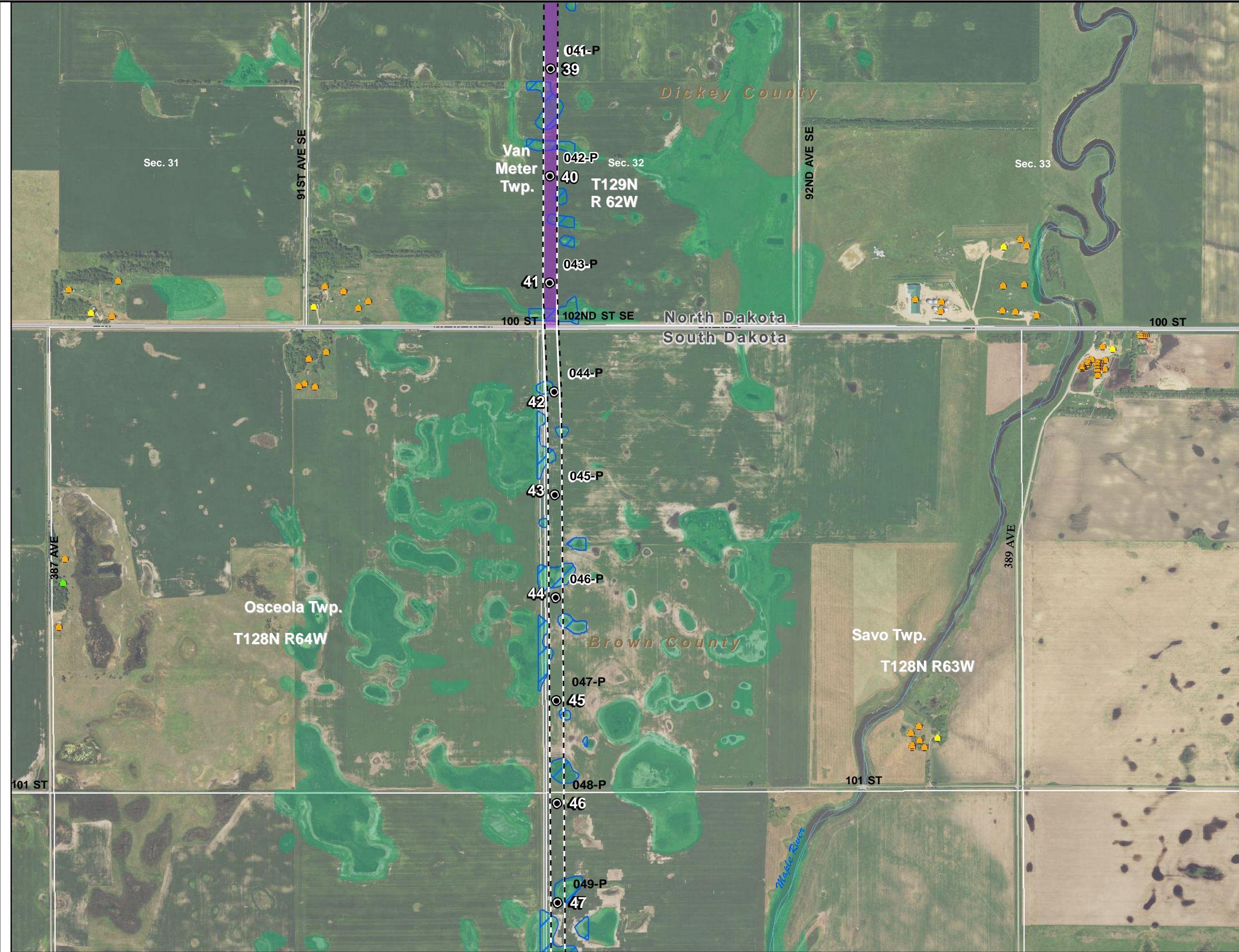
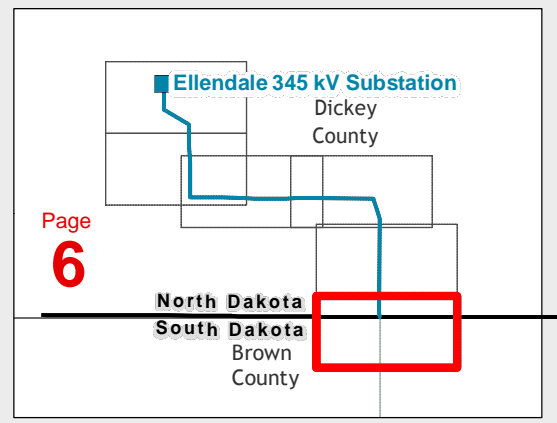
**Figure 1**

**Big Stone South to Ellendale  
345 kV Transmission Line Project  
North Dakota  
Page 6 of 6**

- North Dakota Corridor
- Facility Structures as of 8/28/2015
- Facility Structures as of 2/3/2017
- Facility Corridor from 8/28/2015
- Facility ROW as of 2/3/2017
- River/Stream
- Field Reviewed Wetland / Other Waters
- Desktop Delineated Wetlands
- Dwelling - Occupied
- Ag/Other Structure
- Communication Tower
- Railroad
- Abandoned Railroad
- Electric Transmission Line
- Oil or Gas Pipeline
- Planned Center Pivot Sections
- Township
- City Boundary

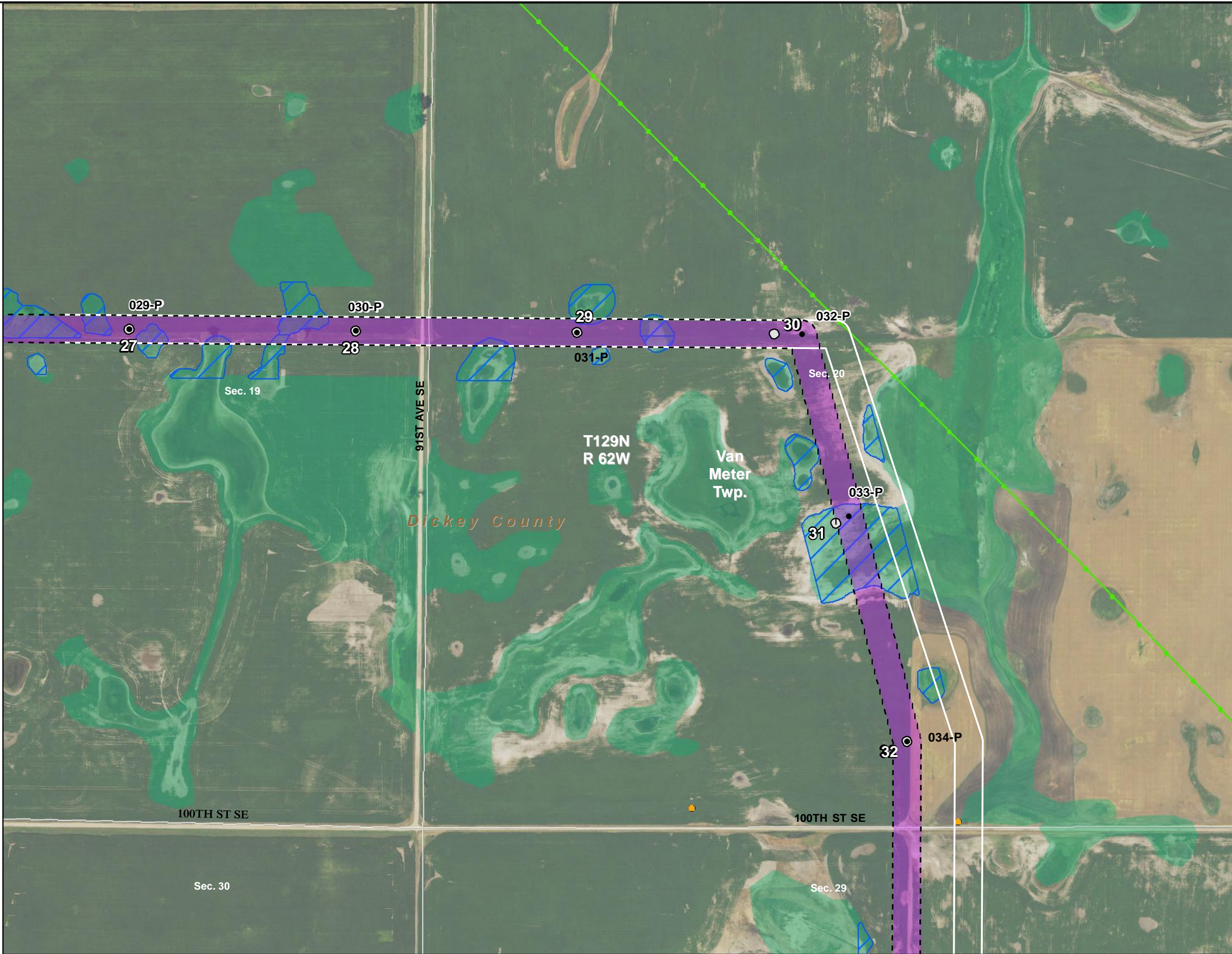


Scale 1:12,000

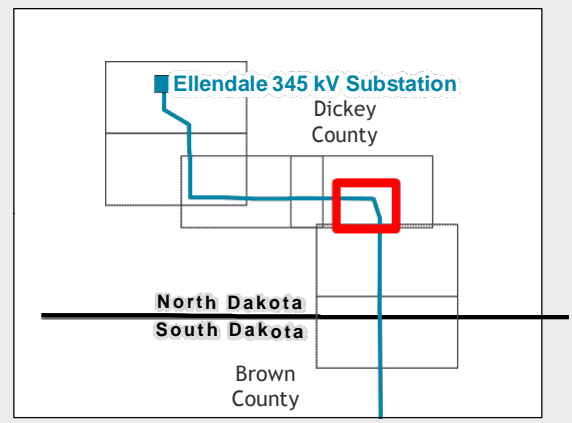
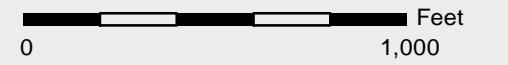


**Figure 2**  
Big Stone South to Ellendale  
345 kV Transmission Line Project  
North Dakota

- North Dakota Corridor
- Facility Structures as of 8/28/2015
- Facility Structures as of 2/3/2017
- Facility Corridor from 8/28/2015
- Facility ROW as of 2/3/2017
- Field Reviewed Wetland / Other Waters
- Desktop Delineated Wetlands
- Ag/Other Structure
- Communication Tower
- Railroad
- Abandoned Railroad
- Electric Transmission Line
- Oil or Gas Pipeline
- Planned Center Pivot Sections
- Township
- City Boundary



Scale 1:6,000

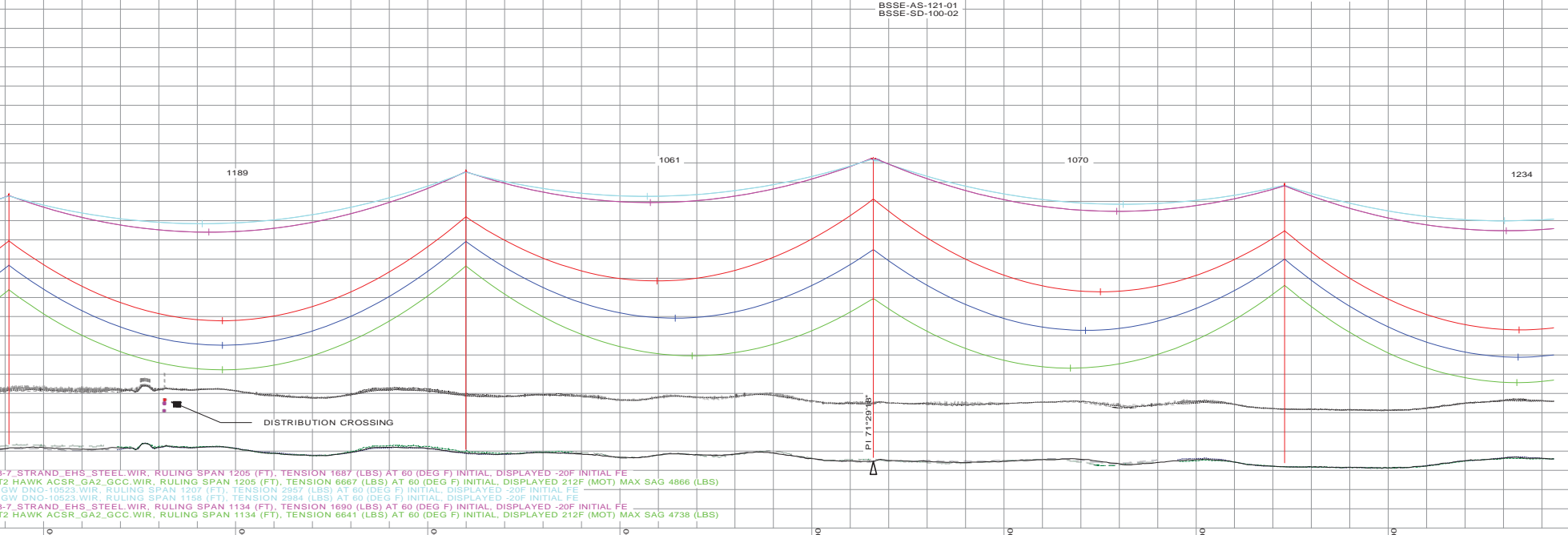


*This page is intentionally left blank.*

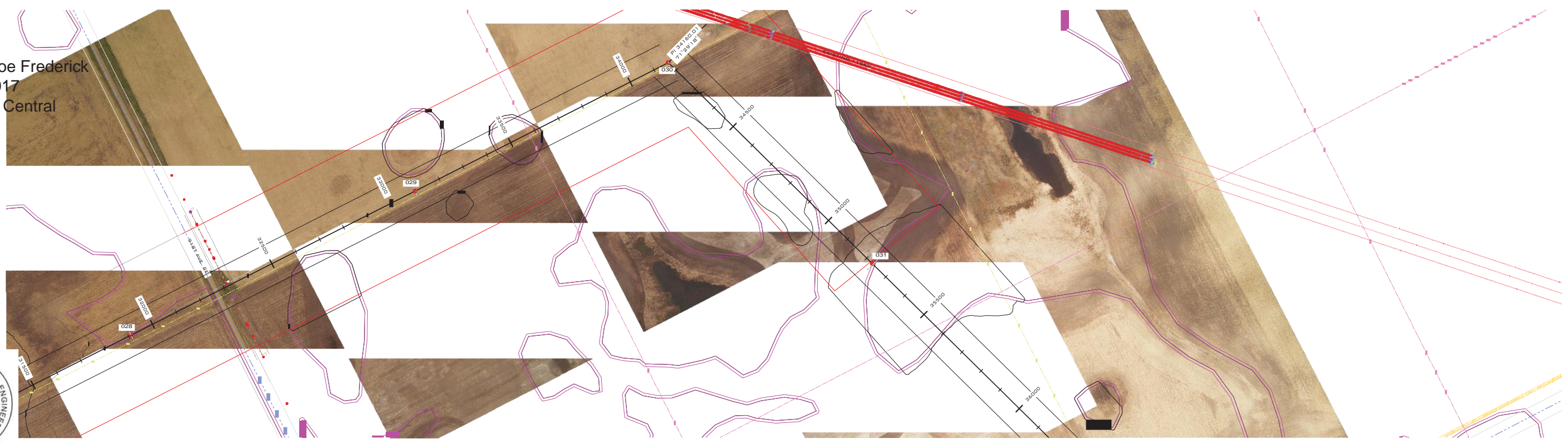
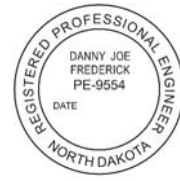
Attachment B – February 3, 2017 Plan and Profile of Structures 28 - 31

*This page is intentionally left blank.*

028 TT06NUFH.130.POL X=170824.71 Y=16703382.74 HT=132.58 ELE=1421.60 HT ADJUST=2.00 130° TIT06NUFH WEATHERING STEEL SABRE BSSE-SD-101-01 BSSE-AS-107-01 BSSE-AS-109-01 BSSE-AS-101-01 BSSE-FD-101-01 BSSE-FD-102-01 BSSE-AS-113-01 BSSE-AS-116-01 BSSE-AS-117-01 BSSE-AS-121-01 BSSE-SD-100-02	029 TT06NUFH.145.POL X=1772014.13 Y=16703373.65 HT=147.58 ELE=1418.98 HT ADJUST=2.00 145° TIT06NUFH WEATHERING STEEL SABRE BSSE-SD-101-01 BSSE-AS-107-01 BSSE-AS-109-01 BSSE-AS-101-01 BSSE-FD-101-01 BSSE-FD-102-01 BSSE-AS-113-01 BSSE-AS-116-01 BSSE-AS-117-01 BSSE-AS-121-01 BSSE-SD-100-02	030 TD206NUFH.155.POL X=1773074.90 Y=16703365.54 HT=159.25 ELE=1414.67 HT ADJUST=2.00 LINE ANGLE=71°29'18" 155° TD206NUFH WEATHERING STEEL SABRE BSSE-SD-109-01 BSSE-AS-108-01 BSSE-AS-112-01 BSSE-AS-105-01 BSSE-FD-101-01 BSSE-FD-102-01 BSSE-AS-113-01 BSSE-AS-115-01 BSSE-AS-116-01 BSSE-AS-108-01 BSSE-AS-117-01 BSSE-AS-121-01 BSSE-SD-100-02	031 TT06NUFH.145.POL X=1773406.95 Y=16702348.06 HT=147.58 ELE=1411.93 HT ADJUST=2.00 ORIENT ANGLE=180.00 145° TT06NUFH WEATHERING STEEL SABRE BSSE-SD-102-01 BSSE-AS-107-01 BSSE-AS-109-01 BSSE-AS-103-01 BSSE-FD-101-01 BSSE-FD-102-01 BSSE-AS-113-01 BSSE-AS-116-01 BSSE-AS-117-01 BSSE-AS-121-01 BSSE-SD-100-02
---	--	--	---



Danny Joe Frederick  
02/02/2017  
6:26 PM Central



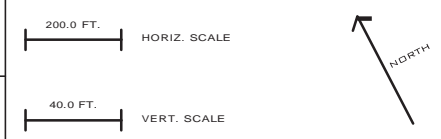
STRS: 028 - 031

**20170203**  
**ISSUED FOR CONSTRUCTION**

REVISIONS		APPROVALS		DATE	DESIGN DATA
0	V26: ISSUED FOR CONSTRUCTION	GMD	GMD	JPW	02/03/17
REV	DESCRIPTION	DWN	DGN	CHK	DATE

DRAWN BY: GMD	02/03/17	CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
DESIGN BY: GMD	02/03/17	DESIGN TENSION: 18% @ 0 F, CREEP
CHECKED BY: JPW	02/03/17	SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
APPROVED BY: DJF	02/03/17	DESIGN TENSION: 75% SAG MATCH @ 60 F CREEP
		OPGW: 1-DN0-10523
		DESIGN TENSION: 75% SAG MATCH @ 60 F CREEP
		GROUND CLEARANCE LINE: 30 FT
		COORDINATE SYSTEM: UTM ZONE 14N, US FT

**BIG STONE SOUTH - ELLENDALE**  
**345 KV TRANSMISSION LINE**



DWG. NO.  
BSSE-PP-101-13  
REVISION: 0  
136508

*This page is intentionally left blank.*

Attachment C – Revised Survey Summary Table

<b>Survey Type</b>	<b>General Survey Area</b>	<b>General Method</b>	<b>Survey Time Period</b>	<b>Status</b>
Class I Cultural Resources Literature Search	1 mile wide to either side of the route	Desktop	Anytime	Complete
Class III Cultural Resources Survey	500-foot-wide survey corridor (250ft either side of the route)	Field	May - Nov (no snow or frozen ground)	Complete
Historic Architectural Survey (standing structure)	0.5-mile-wide either side of the route	Field	Anytime	Complete
Historic Architectural Survey (standing structure) Addendum 1	0.5-mile-wide either side of the route between revised Structures 4 to 8	Field	Anytime	Complete
Wetland Delineation	Desktop review – 1 mile wide Field review - 500-foot-wide survey corridor (250ft either side of the route)	Desktop with Field Verification	May - late Sept (growing season)	Complete
Bald Eagle Stick Nest Surveys	1-mile-wide either side of the route	Field	Mid-Feb thru March 31st	Survey mobilization 1 in 2013- Complete Survey mobilization 2 in 2015 – Complete Survey mobilization 3 in 2016 – Complete Survey mobilization 4 in 2017 – Complete
Sharp-tailed Grouse Lek Survey	1-mile-wide either side of the route	Field	Mid-March thru early May	Survey mobilization 1 in 2013- Complete Survey mobilization 2 – prior to construction occurring in the suitable habitat area during time period – Ongoing
Tree Inventory	150-foot-wide ROW	Field	May - late Sept (leaves on trees)	Complete
Sprague's Pipit and Migratory Nesting Bird Occurrence Survey	150-foot-wide ROW, Ellendale 345kV Substation, and access road in suitable habitat	Field	Mid-May thru Mid-June	Ongoing - Survey 2-weeks prior to construction occurring in the grasslands during survey time period

Survey Type	General Survey Area	General Method	Survey Time Period	Status
Dakota Skipper and Poweshiek Skipperling Survey	500-foot-wide survey corridor in suitable habitat (250ft either side of the route)	Field	Mid-July	Survey mobilization 1 in 2013 – Complete Survey mobilization 2 in 2014 – Complete Survey mobilization 2 in 2015 – Complete Survey mobilization 3 in 2016 – Complete

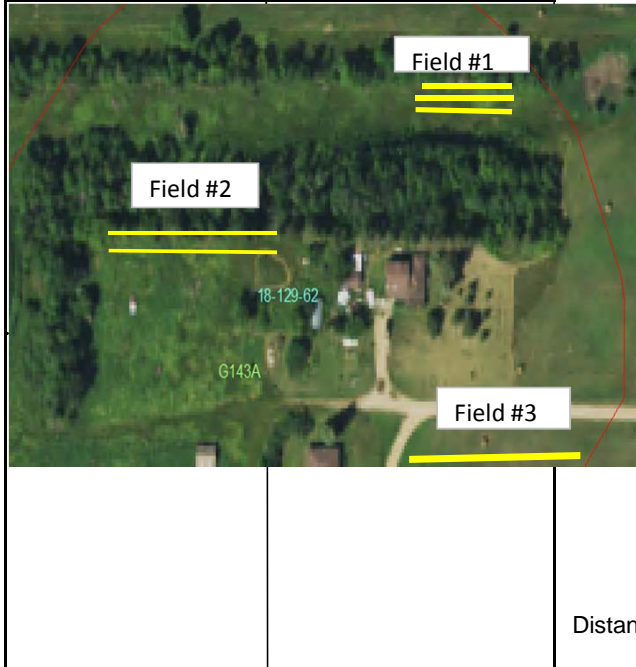
Attachment D – Revised Permit Summary Table

Agency	Type of Permit, Regulatory Compliance, or Coordination	Status
U.S. Fish and Wildlife Service	Letter of Non-Objection	Obtained May 18, 2016
	Special Use Permit for Soil Borings	Obtained January 17, 2015 Special Use Permit Extension Obtained March 23, 2016
	Letter of Authorization for Tree Removal	Obtained December 18, 2015
U.S. Army Corps of Engineers	Section 404 of the Clean Water Act	Obtained January 25, 2016
Federal Aviation Administration	Form 7460-1, Notice of Proposed Construction or Alteration	Obtained June 6, 2014 and July 13, 2015
	Form 7460-2 - Notice of Actual Construction or Alteration	Anticipate filing after construction
	Form 7461-1, Notice of Proposed Construction Hazard Determination	Will file, if necessary
U.S. Environmental Protection Agency	Spill Prevention Control and Countermeasure (SPCC) Plan	To be updated, if necessary. Required if the substation facility has greater than 1,320 gallons of oil.
Department of Health	Section 401 Water Quality Certification	Approved with Section 404 Nationwide Permit issued January 25, 2016
	NDPDES Permit: General Construction Storm Water	Obtained March 29, 2017
Division of Emergency Management	Emergency Planning and Community Right-to-Know Act (EPCRA) Tier II report	Will file, if necessary
State Water Commission – Office of State Engineer	State Sovereign Lands Permit	Not required
	Drain Permit	April 27, 2015 letter from Office of State Engineer stating a Drain Permit was not necessary
	Conditional Water Permit	Will file if necessary (Currently not anticipated)
State Historical Society	Cultural Resources Consultation	Obtained SHPO letter for the four cultural resources reports
North Dakota Highway Patrol	Overheight/Overweight Permit	Anticipate filing before construction in North Dakota
Department of Transportation	Road Approach/Access Permit	Will file, if necessary
	Utility Permit/Risk Management Documents	Not required
	Highway 11 Road Crossing Permit	Obtained May 20, 2016
	Highway 281 Road Crossing Permit	Obtained April 22, 2016
Dickey County	Road Crossing Permit	Obtained April 19, 2016
	Road Haul Agreement	Obtained February 9, 2016

Ellendale Township	Variance Approval	Variance approval on May 21, 2015
	Road Crossing Agreement	Obtained April 19, 2016
Van Meter Township	Variance Approval	Variance approval on March 10, 2015
	Conditional Use Permit	Conditional Use Permit approval on March 10, 2015 Conditional Use Permit extension approved on July 24, 2016
	Building Permit	Obtained March 21, 2017
	Road Crossing Agreement	Obtained April 19, 2016

## Tree and Shrub Planting Plan and Record

Name Andra Jenkins Address 9855 91st Ave. SE Ellendale, ND Phone 701-349-3919



SE Quarter 18 Sec 129 Twp 62 Range

Planned by: JU Planted by: Tree Crew  
 Date: 7/29/2015 Date: \_\_\_\_\_

F/Stead XXXX; Field \_\_\_\_\_; W/Life \_\_\_\_\_  
 S/Fallow \_\_\_\_\_; if other, specify type of  
 land preparation \_\_\_\_\_

New Planting XXXXX; Replants \_\_\_\_\_  
 (Indicate date of original  
 planting) \_\_\_\_\_

CRP \_\_\_\_\_; EQIP \_\_\_\_\_ CO-01 \_\_\_\_\_

Other (Indicate) Big Stone Project

Between the row spacing 16 feet

Soil Type G143A Suitability Group 3,1

Protected from Grazing Yes (Yes, No)

Distance from Road and/or Buildings Yes

Condition of site  
 at planting time: Tilled by District  
 (Good, Fair, Poor)

Approved \_\_\_\_\_ (Yes, No) Date \_\_\_\_\_  
 By: \_\_\_\_\_ Title \_\_\_\_\_

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Dead Trees	Row #	Row #1 is on North or West Side of Planting	Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
						<u>NORTH</u>					
<u>1</u>	<u>200</u>	<u>184</u>		<u>2</u>	<u>1</u>		<u>Black Hill Spruce</u>	<u>12</u>	<u>17</u>	<u>18</u>	<u>Weed Barrier to be Applied. Laid barrier 6-13-16. Measured and Counted by Jeremiah on 7/19/2016. Weed maintenance is being done. Deer Have been the issue maple trees.</u>
	<u>200</u>	<u>186</u>		<u>2</u>	<u>2</u>		<u>Black Hill Spruce</u>	<u>12</u>	<u>17</u>	<u>18</u>	
	<u>200</u>	<u>200</u>		<u>19</u>	<u>3</u>		<u>Maple</u>	<u>12</u>	<u>17</u>	<u>19</u>	
									"		
<u>2</u>	<u>200</u>	<u>163</u>		<u>3</u>	<u>1</u>		<u>Black Hill Spruce</u>	<u>12</u>	<u>17</u>	<u>14</u>	
	<u>200</u>	<u>175</u>		<u>15</u>	<u>2</u>		<u>Maple</u>	<u>12</u>	<u>17</u>	<u>15</u>	
									"		
<u>3</u>	<u>200</u>	<u>186</u>		<u>0</u>	<u>3</u>		<u>Ponderosa Pine</u>	<u>12</u>	<u>17</u>	<u>16</u>	
									"		
									"		
									"		
	<u>1200</u>	<u>1094</u>							<u>102</u>	<u>100</u>	

# BUILDING PERMIT

**VAN METER TOWNSHIP**  
DICKEY COUNTY, NORTH DAKOTA

DATE 3/21/17

NAME 1 Otter Tail Power Company – Al Koeckeritz (contact)  
First Middle (Initial) Last

ADDRESS 215 S. Cascade Street Fergus Falls, MN 56538-0496 (218) 739-8416  
City State Zip

NAME 2 Montana-Dakota Utilities Co. - Daniel Albrecht (contact)  
First Middle (Initial) Last

ADDRESS 400 N 4th St Bismarck, ND 58501-4022 (701) 222-7680

LEGAL DESCRIPTION See attached table and map (township, range and section of the structures in Van Meter Township)

TOWN/TOWNSHIP: Van Meter Township

- NEW CONSTRUCTION  
 ADDITION  
 DEMO  
 MOVE  
 ALTERATION/REPAIR  
 MISC.

**BRIEF DESCRIPTION OF ACTIVITY:**

New construction and installation of eighteen (18) concrete foundations, erection steel transmission structures that are approximately 140-feet-high and placed on top of the concrete foundations, and line stringing between the transmission line structures. In addition, the project will clear trees within the right-of-way.

CONTRACTOR(s): Name Address Phone  
Foundation work – Tri-State Drilling, Inc 16940 Hwy 55, Minneapolis, MN 55446 (763) 553-1234  
Name Address Phone

Structure and line work – Brink Constructors Inc. 2950 N Plaza Drive Rapid City, South Dakota 57702 (605) 342-6966

VARIANCE NEEDED:  Yes  No If yes, approved?  Yes  No  Under review

IS THIS A NEW OR REPLACEMENT DWELLING (FOR SOLID WASTE)?  Yes  No  NA

STARTING DATE: Anticipated May 2017

COMPLETION DATE: Anticipated December 2019

SETBACKS REQUIRED: Yes – In March 2015, Project received variance of the 200 foot road setback at two (2) locations in Van Meter Township. See Attachment 3 - Variance Approval.

FRONT YARD: NA SIDE YARD: NA REARYARD: NA

PERMIT APPROVED BY: Ireland Hayman T-M Dan Barton

PERMIT FEE: (\$25/str) \* (18 str) = \$450 PERMIT RECEIPT #: \_\_\_\_\_

OWNER/APPLICANT SIGNATURE: CR Kelly

Attachments:

1. Table of the structures in Van Meter Township and the associated landowners
2. Figure 1 – Project Area and Structures in Van Meter Township
3. Variance Approval dated March 10, 2015

Big Stone South to Ellendale Project  
 Otter Tail Power Company and Montana-Dakota Utilities Co.  
 Van Meter Township, North Dakota  
 Building Permit  
 Parcel Table

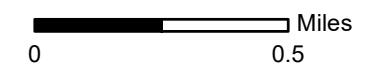
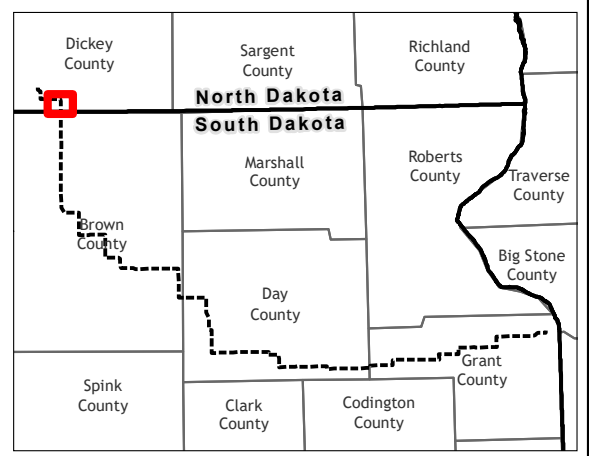
Str #s	Structure_Range	Sec	Twp	Rge	Legal	Parcel_ID_1	Last	First	Address	City	State	Zip	Prop_State	Prop_County	Primary_Phone	Secondary_Phone	Option_Status	Blanket_PTS_Status	Road Setback Variance Req
24-28	26-30	19	129	62	N2	129-62-19-A	JENKINS	LORRAINE	305 6TH AVE S APT S #108	ELLEDALE	ND	58436	ND	DICKEY	7013494608		SIGNED	SIGNED	Yes - Str 24 (formally Str 26) is about 80 ft from 90th Ave SE and 47 ft from the edge of the 90th Ave SE right-of-way
24-26 (OH)	OH	19	129	62	SW	129-62-19-C	ONKEN	MARINA	324 WEDGEWOOD CIRCLE	HUDSON	WI	54016	ND	DICKEY	7154253771	7154253911	SIGNED	SIGNED	No
27-28 (OH)	26-30	19	129	62	SE4	129-62-19-B	ONKEN	MARINA	324 WEDGEWOOD CIRCLE	HUDSON	WI	54016	ND	DICKEY	7154253771	7154253911	SIGNED	SIGNED	Yes - Str 24 (formally Str 26) is about 80 ft from 90th Ave SE and 47 ft from the edge of the 90th Ave SE right-of-way
29-30	31-32	20	129	62	NW4	129-62-20-D	SAND	AMY	401 3RD ST N	ELLEDALE	ND	58436-9604	ND	DICKEY	7013492285		SIGNED	SIGNED	No
31	31-34	20	129	62	SW4	129-62-20-C	ONKEN	MARINA	324 WEDGEWOOD CIRCLE	HUDSON	WI	54016	ND	DICKEY	7154253771	7154253911	SIGNED	SIGNED	No
32	34	20	129	62	SE4	129-62-20-B	HASZ	DENNIS & SUSAN	8990 HWY 11/PO Box 205	ELLEDALE	ND	58436-0205	ND	DICKEY	7013493026		SIGNED	SIGNED	No
33-36	35-38	29	129	62	E2;SE4	129-62-29-A	ONKEN	MARINA	324 WEDGEWOOD CIRCLE	HUDSON	WI	54016	ND	DICKEY	7154253771	7154253911	SIGNED	SIGNED	No
33-34 (OH)	35-36 (OH)	29	129	62	NW4	129-62-29-D	SAND	JOHN	PO BOX 579	ELLEDALE	ND	58436-9604	ND	DICKEY	7013492285		SIGNED	SIGNED	No
35-36 (OH)	37-38 (OH)	29	129	62	SW4	129-62-29-C	ADAM	CLINTON E	PO BOX 44	FULLERTON	ND	58441	ND	DICKEY	7013757431	7013756831	SIGNED	SIGNED	No
37-39	39-41	32	129	62	NE4	129-62-32-A	PAHL	CLIFFORD	9252 101 ST SE	ELLEDALE	ND	58436-9623	ND	DICKEY	7013494388		SIGNED	SIGNED	Yes - Str 37 (formally Str 39) is about 205 ft from 101st ST SE and 172 ft from the edge of the 101st ST SE right-of-way
37-39 (OH)	39-41 (OH)	32	129	62	NW4	129-62-32-D	PAHL	CLIFFORD	9252 101 ST SE	ELLEDALE	ND	58436-9623	ND	DICKEY	7013494388		SIGNED	SIGNED	Yes - Str 37 (formally Str 39) is about 205 ft from 101st ST SE and 172 ft from the edge of the 101st ST SE right-of-way
40-41 (OH)	42-43 (OH)	32	129	62	SW4	129-62-32-C	GAYMAN	LELAND J & LUCILLE M	9103 102 ST SE	ELLEDALE	ND	58436-9619	ND	DICKEY	7013494208		SIGNED	SIGNED	No
40-41	42-43	32	129	62	SE4	129-62-32-B	GAYMAN	LELAND J & LUCILLE M	9103 102 ST SE	ELLEDALE	ND	58436-9619	ND	DICKEY	7013494208		SIGNED	SIGNED	No

Figure 1 Project Area and Structures in Van Meter Township  
Big Stone South to Ellendale  
345 kV Transmission Line Project  
North Dakota and South Dakota

- Structures - 9/19/2016
- - Centerline - 8/16/2016
- ROW - 8/16/2016
- Dwelling - Occupied
- Ag/Other Structure
- Highway
- ▭ Parcel Boundaries
- ▭ Civil Township Boundary
- ▭ State Boundary



Scale 1:24,000



**VAN METER TOWNSHIP  
ZONING COMMISSION**

---

**APPLICATION FOR VARIANCE**

NAME Big Stone South to Ellendale Project

FEES \$ 50.00

RECEIPT # \_\_\_\_\_

PAID:  YES  NO

DATE \_\_\_\_\_

TIME \_\_\_\_\_

**TO: VAN METER TOWNSHIP ZONING COMMISSION**

***THE UNDERSIGNED DO HEREBY REQUEST*** Request a variance from Section 3.8 of the Van Meter Township Ordinances, where the Big Stone South to Ellendale Project proposes to place two structures within 200 foot of township roads, as follows:

- Structure 26 would be placed about 80 feet east of 90<sup>th</sup> Avenue SE and 47 feet from the edge of the 90<sup>th</sup> Avenue right-of-way in T129, R62, Section 19
- Structure 39 would be placed about 205 feet south of 101<sup>st</sup> Street SE and 172 feet from the edge of the 101<sup>st</sup> Street SE right-of-way in T129, R62, Section 32

**LEGAL DESCRIPTION OF PROPERTY** Project has filed for a variance of the 200 foot road setback at two (2) locations in Van Meter Township – See above

---

OWNER 1 SIGNATURE Otter Tail Power Company – Al Koeckeritz

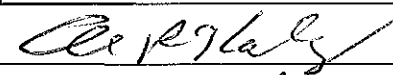
OWNER 1 ADDRESS 215 S. Cascade Street Fergus Falls, MN 56538-0496

OWNER 1 PHONE (218) 739-8416

OWNER 2 SIGNATURE Montana-Dakota Utilities Co. - Daniel Albrecht

OWNER 2 ADDRESS 400 North 4th St Bismarck, ND 58501-4022

OWNER 2 PHONE (701) 222-7680

AGENT SIGNATURE 

AGENT ADDRESS Otter Tail Power 215 S Cascade St

AGENT CITY, STATE, ZIP Fergus Falls, MN 56537

AGENT PHONE # 218-739 8416

Zoning Commission Action:  Approved  Denied

BY: William McTimson DATE: 3-18-15

HEARING DATE: March 10, 2015 TIME: \_\_\_\_\_

Brenda Sand VAN METER TOWNSHIP MEETING ROOM  
Clerk

VAN METER TOWNSHIP \* ADDRESS \* CITY, STATE, ZIP  
PHONE \* FAX \* WEBSITE/EMAIL

**BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF NORTH DAKOTA**

MONTANA-DAKOTA UTILITIES CO. /	) Case No. PU-13-840
OTTER TAIL POWER COMPANY	)
345 KV TRANSMISSION LINE- DICKEY	)APPLICATION FOR A SECOND
COUNTY	)AMENDED ROUTE PERMIT
SITING APPLICATION	)

**AFFIDAVIT OF AL KOECKERITZ**

STATE OF MINNESOTA    )  
  ) ss.  
COUNTY OF OTTER TAIL )

Al Koeckeritz, being first duly sworn upon oath, states and alleges as follows:

1. I am the Project Manager for Otter Tail Power Company and Montana-Dakota Utilities Co. (jointly, the Applicants) Ellendale, North Dakota to Big Stone South, South Dakota 345 kV Transmission Line Project (Project), which is the subject of the above-captioned matter.
2. On July 10, 2014, the North Dakota Public Service Commission (Commission) issued its Order granting Certificate of Corridor Compatibility No. 154 (Certificate Order) and Route Permit No. 166, and amended on December 16, 2015, to the Applicants for the Project.
3. The Applicants are proposing a second route modification in the SW/4 of Section 20, Township 129 North, Range 62 West in Dickey County, North Dakota, for engineering and safety purposes. The proposed modification would shift structure 30 approximately 150 feet west and structure 31 approximately 80 feet to the southwest. The landowner has executed an easement in favor of the Applicants consistent with the proposed modification.
4. No new landowners are involved with this route modification. The landowner affected by the shift has accepted the route shift and structure locations.
5. The Applicants are notifying the Commission that all of the transmission line structure numbers have changed from the preliminary numbers filed in the Application. The revised structure numbers and previous preliminary structure numbers are provided in Table 1 of the attached Application for a Second Amended Route Permit.

6. To accommodate the shift, the Applicants request that the Commission approve the route modification depicted on the map marked as Attachment A to the Application for a Second Amended Route Permit application. Both the corridor and route approved by the Commission in its Order and the proposed route modification are depicted in Attachment A.

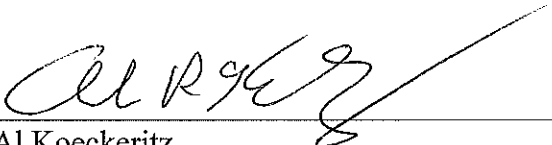
7. The proposed route modification would be located entirely within the SW/4 of Section 20, Township 129 North, Range 62 West in Dickey County, North Dakota and, as such, would not affect other landowners.

8. The Project is consistent with the Applicants' 2014-2023 Ten-Year Plans. See the Applicants' 2014-2023 Ten-Year Plans, Case Nos. PU-14-486 and PU-14-501, filed June 26, 2014 and June 27, 2014 respectively.


9. The proposed route modification is not anticipated to impact the costs of the Project at this stage of the Project.

10. The Applicants have begun construction of the Project, and anticipate that the Project will be commissioned and in-service in 2019

FURTHER AFFIANT SAYETH NOT.

  
\_\_\_\_\_  
Al Koeckeritz

Subscribed and sworn to before me  
this 5 day of June, 2017.

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



**BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF NORTH DAKOTA**

MONTANA-DAKOTA UTILITIES CO. /	)	Case No. PU-13-840
OTTER TAIL POWER COMPANY	)	
345 KV TRANSMISSION LINE- DICKEY	)	APPLICATION FOR A SECOND
COUNTY	)	AMENDED ROUTE PERMIT
SITING APPLICATION	)	

**AFFIDAVIT OF BRIAN HUNKER**

STATE OF MINNESOTA    )  
  ) ss.  
COUNTY OF HENNEPIN    )

Brian Hunker, being first duly sworn upon oath, states and alleges as follows:

1. I am employed by HDR Engineering, Inc. (HDR), which has been retained by Otter Tail Power Company and Montana-Dakota Utilities Co. (jointly, the Applicants), as the environmental consulting firm for the Big Stone South to Ellendale 345-kV Transmission Line Project (Project), which is the subject of the above-captioned action.

2. I am the Environmental Consulting Project Manager for the Project. In that role, I manage the environmental technical staff that conducts environmental field surveys, oversee the preparation of environmental reports and permit applications, and assist with agency consultations.

3. The Applicants are proposing a second route modification in the SW/4 of Section 20, Township 129 North, Range 62 West in Dickey County, North Dakota, for engineering and safety purposes. The landowner has executed an easement in favor of the Applicants consistent with the proposed modification.

4. All of the transmission line structure numbers have changed from the preliminary numbers filed in the Application and September 29, 2015 Amended Application. The revised structure numbers and previous preliminary structure numbers are provided in Table 1 in the attached Application for a Second Amended Route Permit.

5. The Applicants have considered the exclusion area, avoidance area, selection, and policy criteria set forth in Sections 69-06-08-02(1)-(4) of the North Dakota Administrative Code

when selecting the proposed route modification. An analysis of those criteria, as they relate to the proposed route modification, is provided in Tables 2-5 in the attached Application for A Second Amended Route Permit.

6. No exclusion areas, as set forth in Section 69-06-08-02(1) of the North Dakota Administrative Code, are located within the proposed route modification. *See also* the attached Application for A Second Amended Route Permit.

7. With the exception of rural water pipelines, which may be present but are not anticipated to be impacted, no avoidance areas are located within the proposed route modification. *See also* the attached Application for A Second Amended Route Permit.

FURTHER AFFIANT SAYETH NOT.



Brian Hunker

Subscribed and sworn to before me  
this 31 day of May, 2017.



Notary Public

