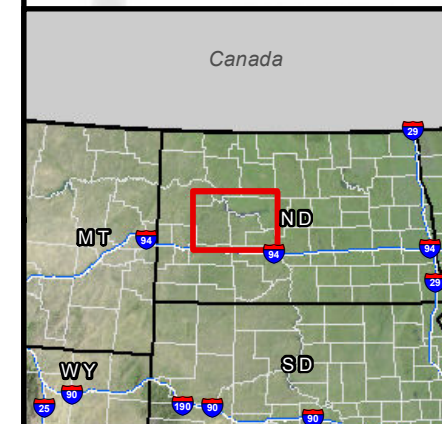


**Antelope Hills  
Transmission Line  
Application for North Dakota  
Certificate of  
Site Compatibility**

**Figure 1  
Proposed Corridor and  
Route Location**

Mercer County, ND  
August 2014

- Proposed Corridor
- Wind Energy Facility Project Area
- County Boundary
- Existing Transmission Line (Over 230 kV)
- Railroad
- Interstate Highway
- Federal Highway
- State Highway
- Stream or River
- City/Town












P:\GIS\_PROJECTS\Infinity\_Wind\_Power\AntelopeHills\_T\line\MXD\CS\Infinity\_AHTLineCSC\_Fig\_01\_ProposedCorridor\_17111\_20140807.mxd - Last Saved 8/7/2014

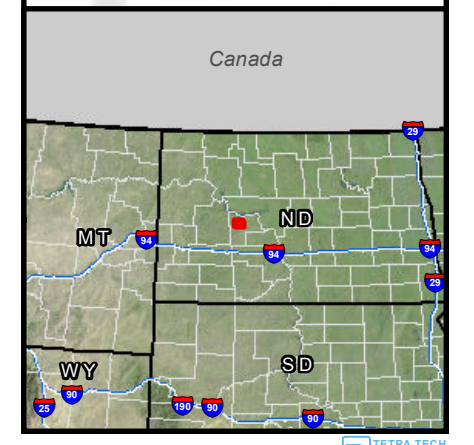
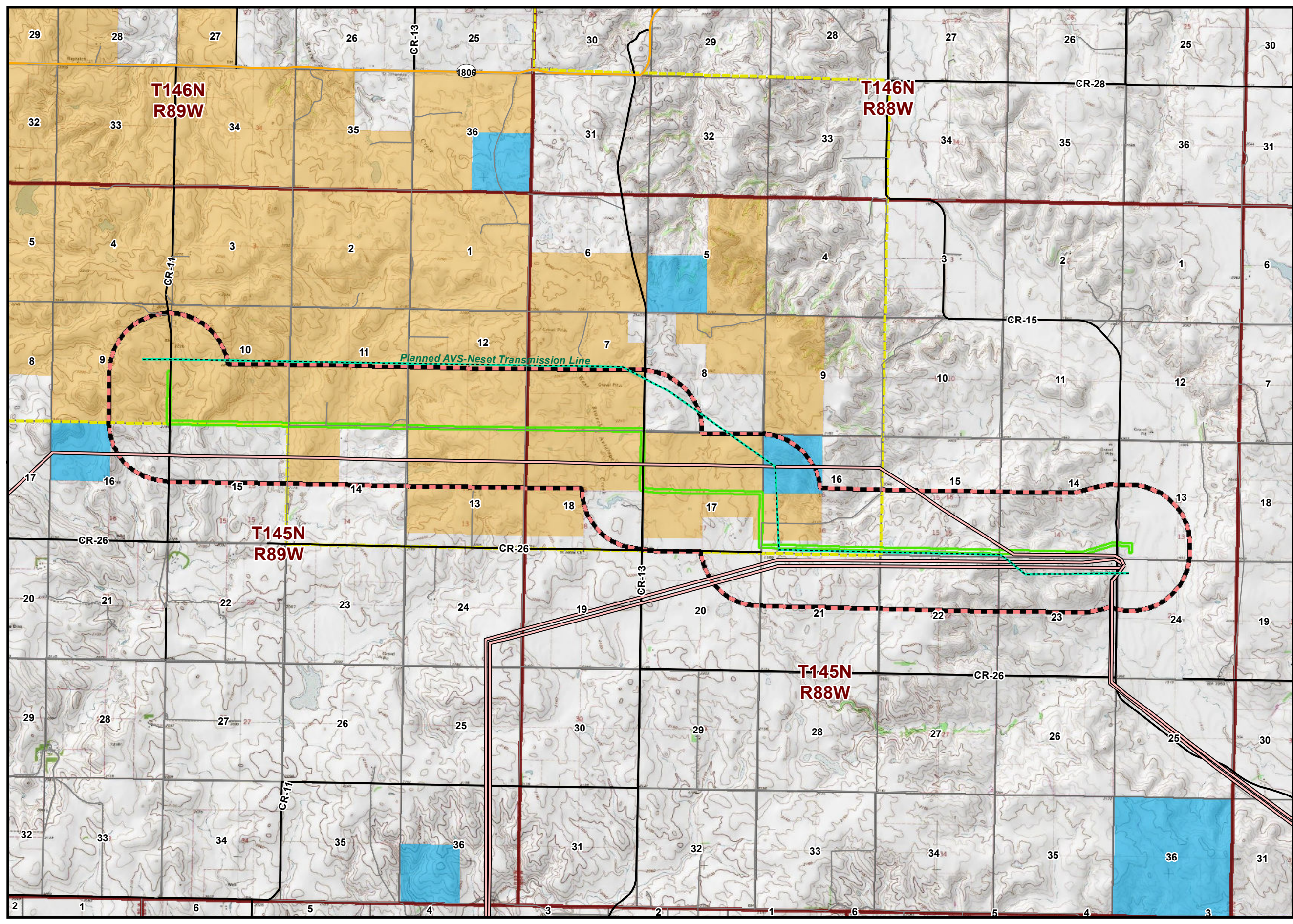


**Antelope Hills  
Transmission Line  
Application for North Dakota  
Certificate of  
Site Compatibility**

**Figure 2  
Project Location  
by Township, Range,  
and Section**

Mercer County, ND  
August 2014

-  Proposed Route ROW
-  Proposed Corridor
-  Wind Energy Facility Project Area
-  Planned AVS-Neset Transmission Line
-  Existing Transmission Line (Over 230 kV)
-  Participating Landowner
-  State Land
-  Section
-  Township/Range













P:\GIS\_PROJECTS\Infinity\_Wind\_Power\AntelopeHills\_T\line\MXD\CS\Infinity\_AHTLineCSC\_Fig\_02\_TRS\_17111\_20140807.mxd - Last Saved 8/7/2014

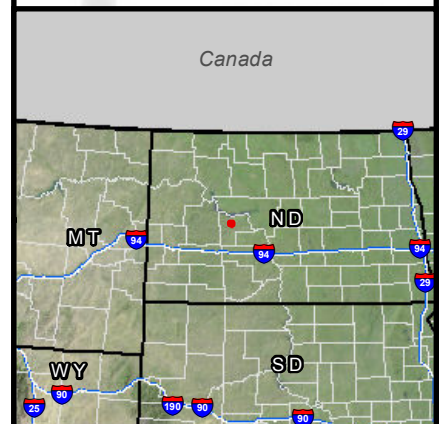
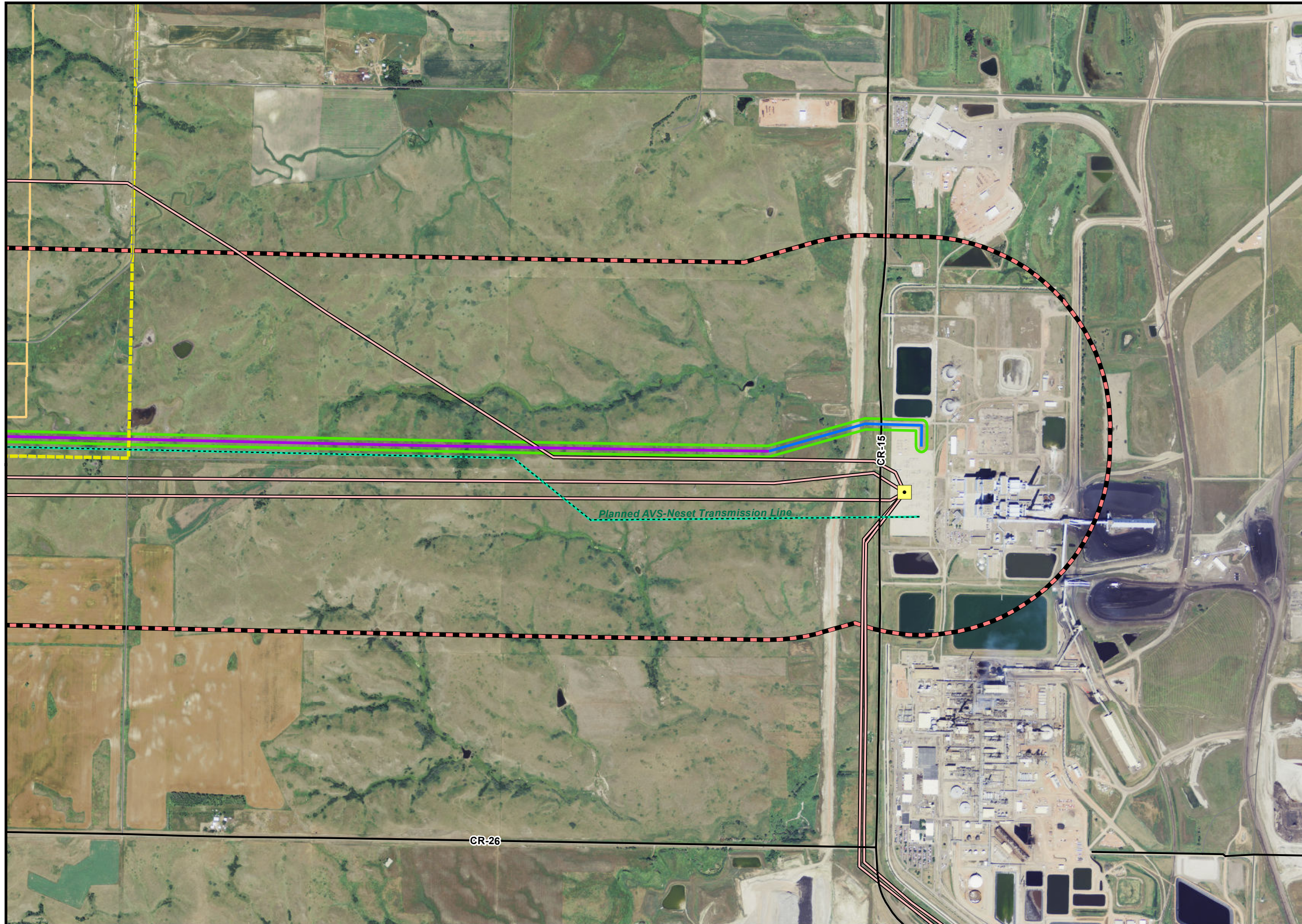


**Antelope Hills  
Transmission Line  
Application for North Dakota  
Certificate of  
Site Compatibility**

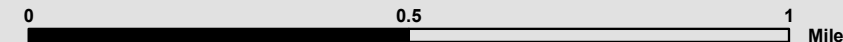
**Figure 3-1  
Proposed Corridor  
and Route  
Aerial Image Detail Maps**

Mercer County, ND  
August 2014

-  Existing Antelope Valley Station
-  Route Centerline
-  Rough Rider Underbuild
-  Proposed Route ROW
-  Proposed Corridor
-  Planned AVS-Neset Transmission Line
-  Wind Energy Facility Project Area
-  Parcel Boundary
-  Existing Transmission Line (Over 230 kV)
-  Planned AVS-Neset Transmission Line













1:16,000 NAD\_1983\_StatePlane\_North\_Dakota\_South\_FIPS\_3302\_Feet

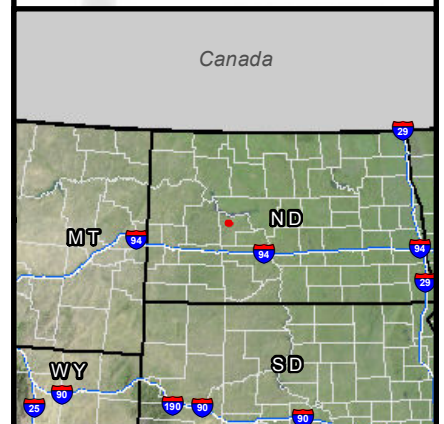
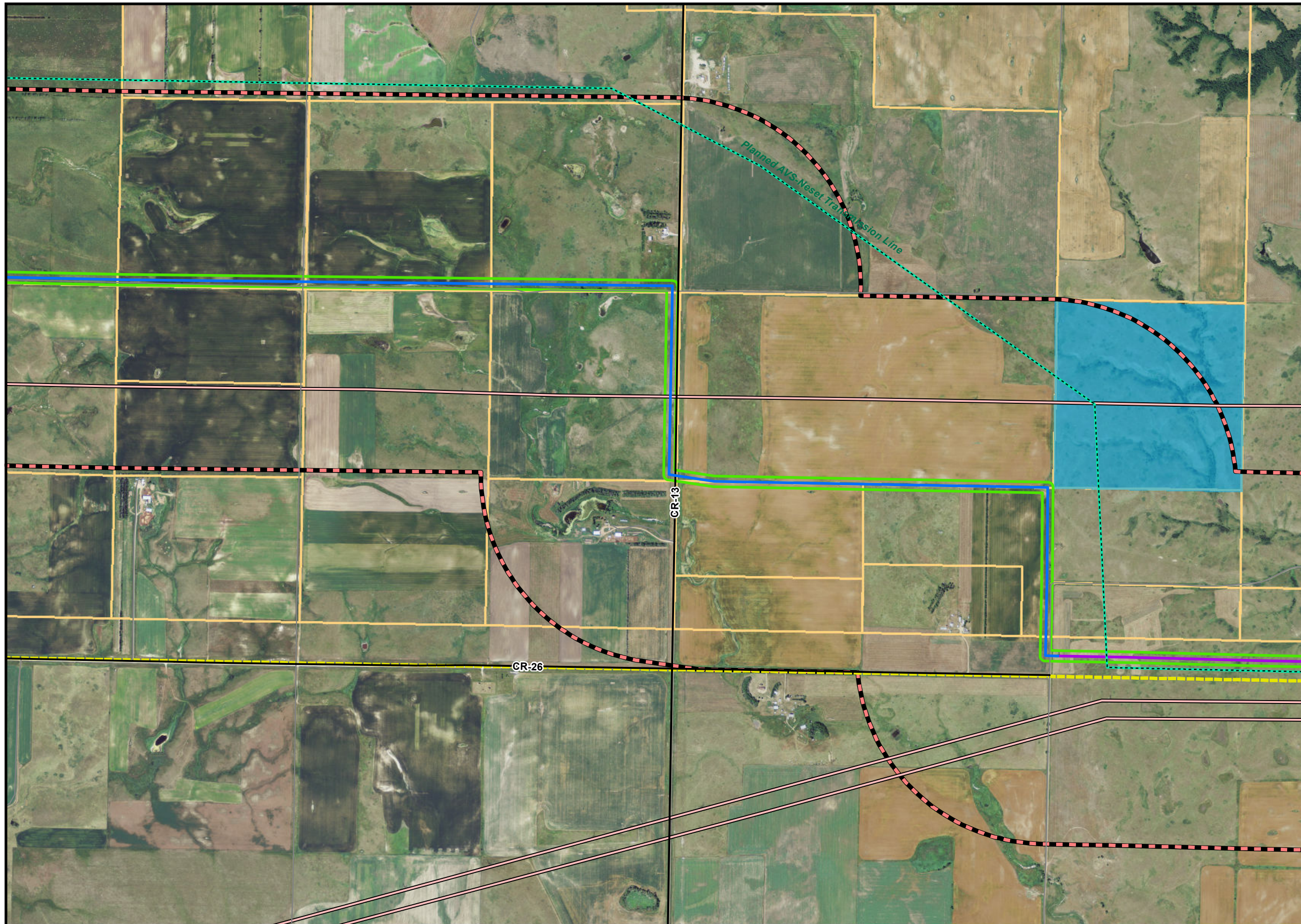


**Antelope Hills  
Transmission Line  
Application for North Dakota  
Certificate of  
Site Compatibility**

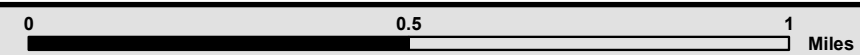
**Figure 3-2  
Proposed Corridor  
and Route  
Aerial Image Detail Maps**

Mercer County, ND  
August 2014

-  Route Centerline
-  Rough Rider Underbuild
-  Proposed Route ROW
-  Proposed Corridor
-  Planned AVS-Neset Transmission Line
-  Wind Energy Facility Project Area
-  Parcel Boundary
-  Existing Transmission Line (Over 230 kV)
-  State Land
-  Planned AVS-Neset Transmission Line













1:16,000 NAD\_1983\_StatePlane\_North\_Dakota\_South\_FIPS\_3302\_Feet

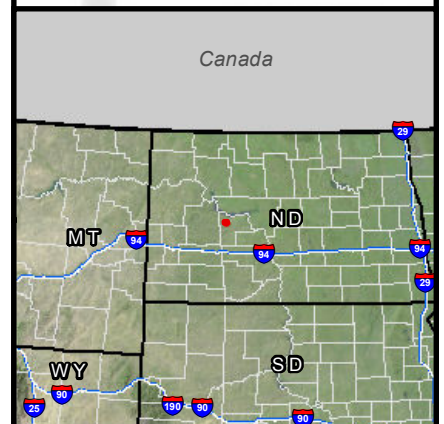
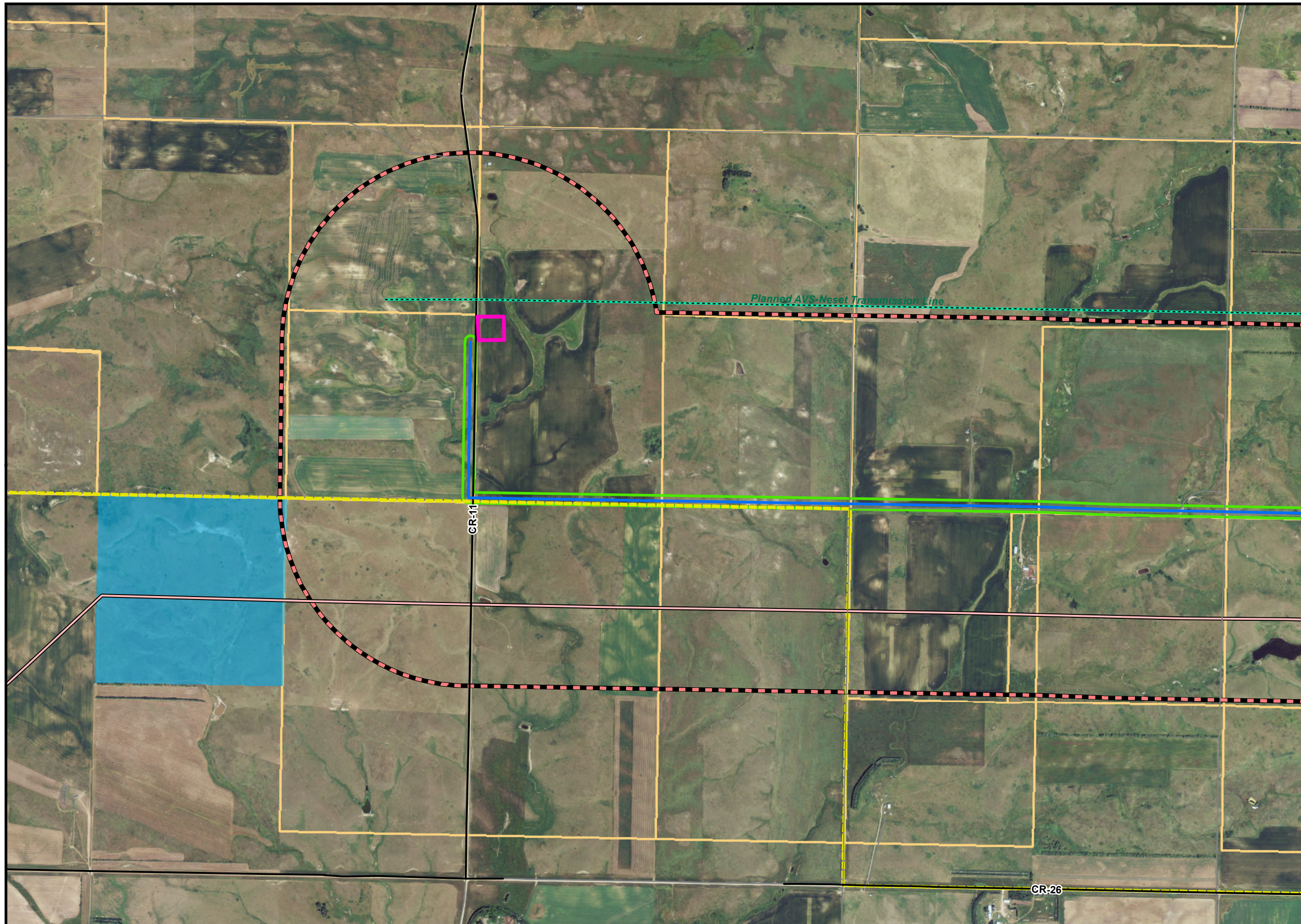


**Antelope Hills  
Transmission Line  
Application for North Dakota  
Certificate of  
Site Compatibility**

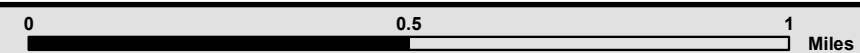
**Figure 3-3  
Proposed Corridor  
and Route  
Aerial Image Detail Maps**

Mercer County, ND  
August 2014

-  Proposed Substation
-  Route Centerline
-  Proposed Route ROW
-  Proposed Corridor
-  Planned AVS-Neset Transmission Line
-  Wind Energy Facility Project Area
-  Parcel Boundary
-  Existing Transmission Line (Over 230 kV)
-  State Land
-  Planned AVS-Neset Transmission Line













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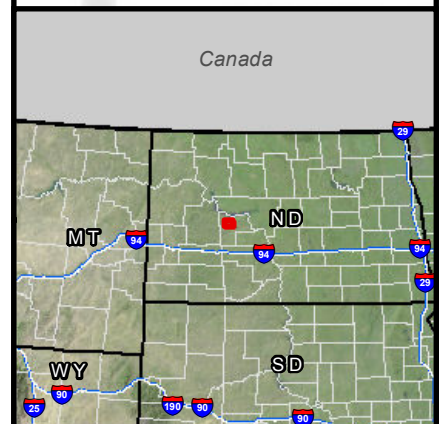
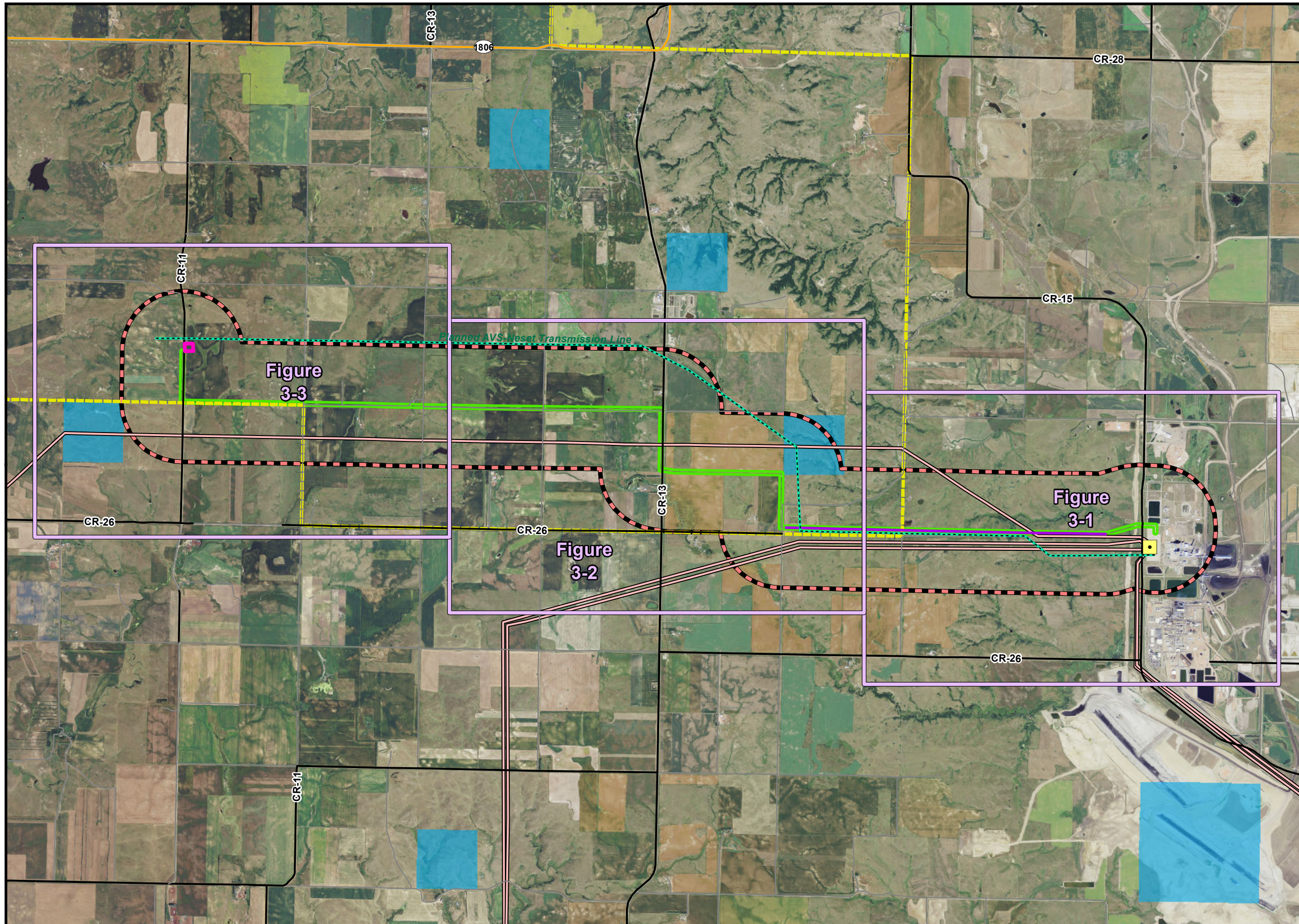


**Antelope Hills  
Transmission Line  
Application for North Dakota  
Certificate of  
Site Compatibility**

**Figure 3  
Proposed Corridor  
and Route  
Aerial Image Index Map**

Mercer County, ND  
August 2014

-  Map Grid
-  Existing Antelope Valley Station
-  Proposed Substation
-  Rough Rider Underbuild
-  Proposed Route ROW
-  Proposed Corridor
-  Planned AVS-Neset Transmission Line
-  Wind Energy Facility Project Area
-  Existing Transmission Line (Over 230 kV)
-  State Land











1:50,000 NAD\_1983\_StatePlane\_North\_Dakota\_South\_FIPS\_3302\_Feet

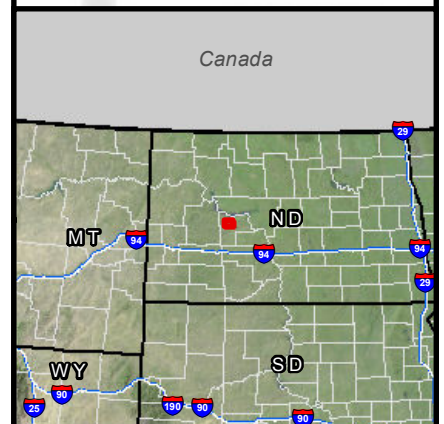
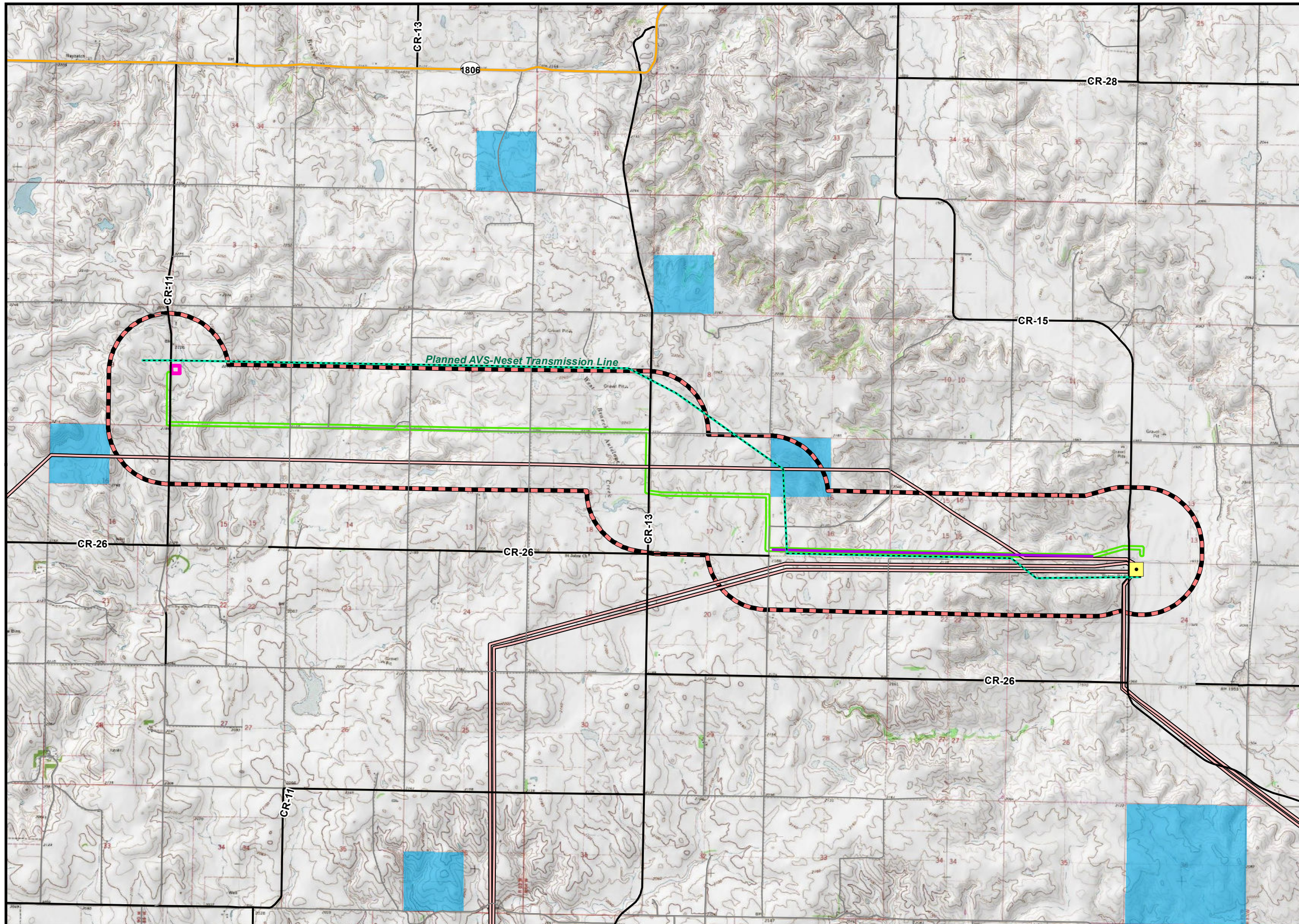
0 1 2 Miles

**Antelope Hills  
Transmission Line  
Application for North Dakota  
Certificate of  
Site Compatibility**

**Figure 4  
Proposed Corridor  
and Route  
Topographic Image**

Mercer County, ND  
August 2014

-  Existing Antelope Valley Station
-  Proposed Substation
-  Rough Rider Underbuild
-  Proposed Route ROW
-  Proposed Corridor
-  Planned AVS-Neset Transmission Line
-  Existing Transmission Line (Over 230 kV)
-  State Land













1:50,000 NAD\_1983\_StatePlane\_North\_Dakota\_South\_FIPS\_3302\_Feet

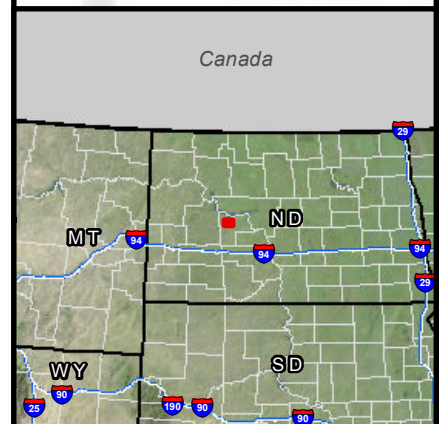
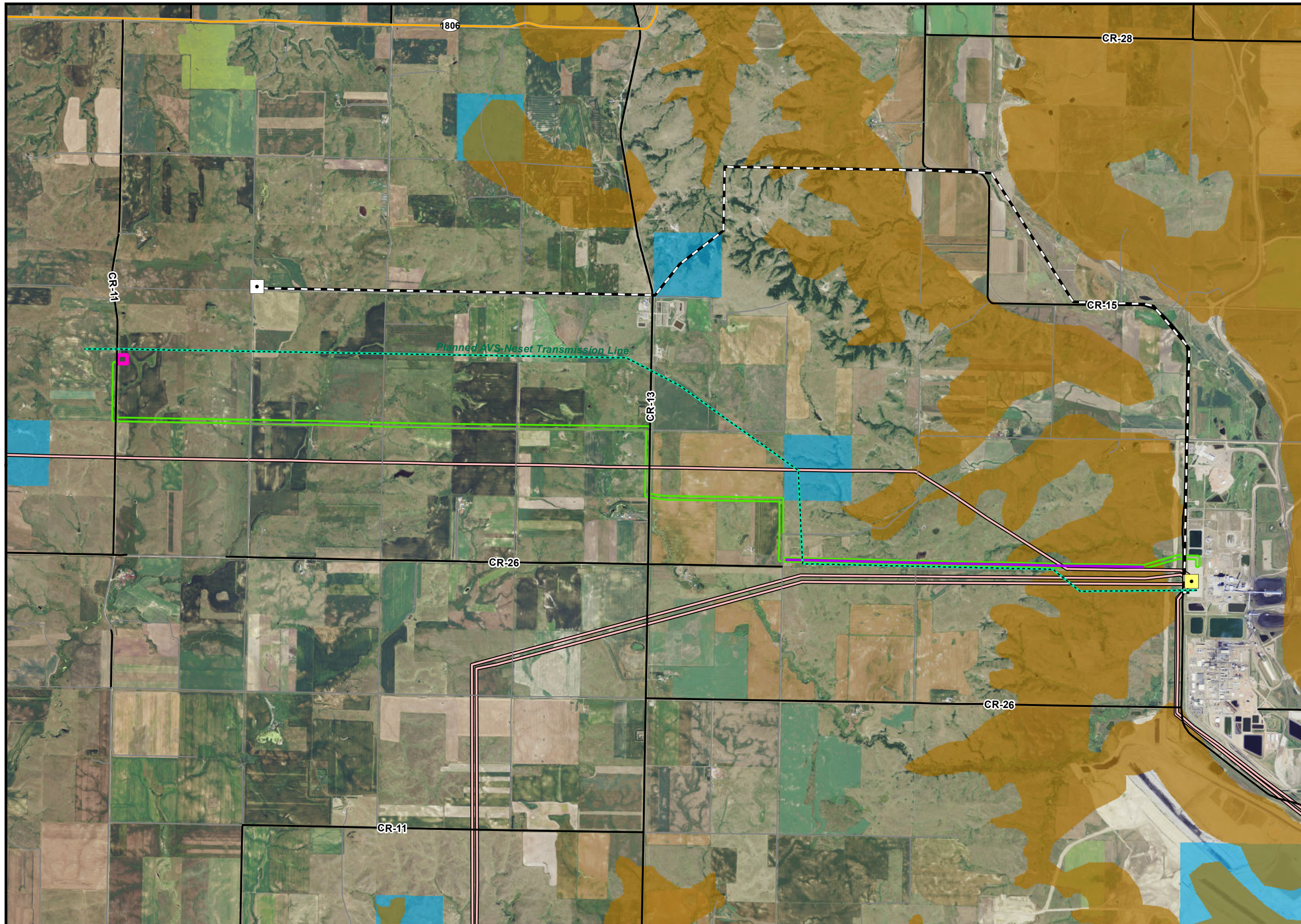
0 1 2 Miles

**Antelope Hills  
Transmission Line  
Application for North Dakota  
Certificate of  
Site Compatibility**

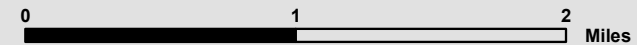
**Figure 5  
Alternative Routes  
Considered and Eliminated**

Mercer County, ND  
August 2014

-  Existing Antelope Valley Station
-  Eliminated Substation Location
-  Proposed Substation
-  Rough Rider Underbuild
-  Proposed Route ROW
-  Eliminated Route Location
-  Planned AVS-Neset Transmission Line
-  Existing Transmission Line (Over 230 kV)
-  Economic Coal Deposit
-  State Land



1:45,000 NAD\_1983\_StatePlane\_North\_Dakota\_South\_FIPS\_3302\_Feet

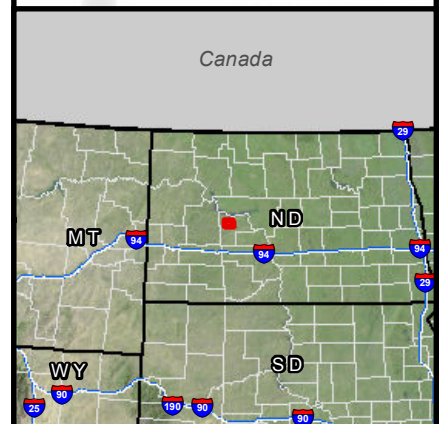
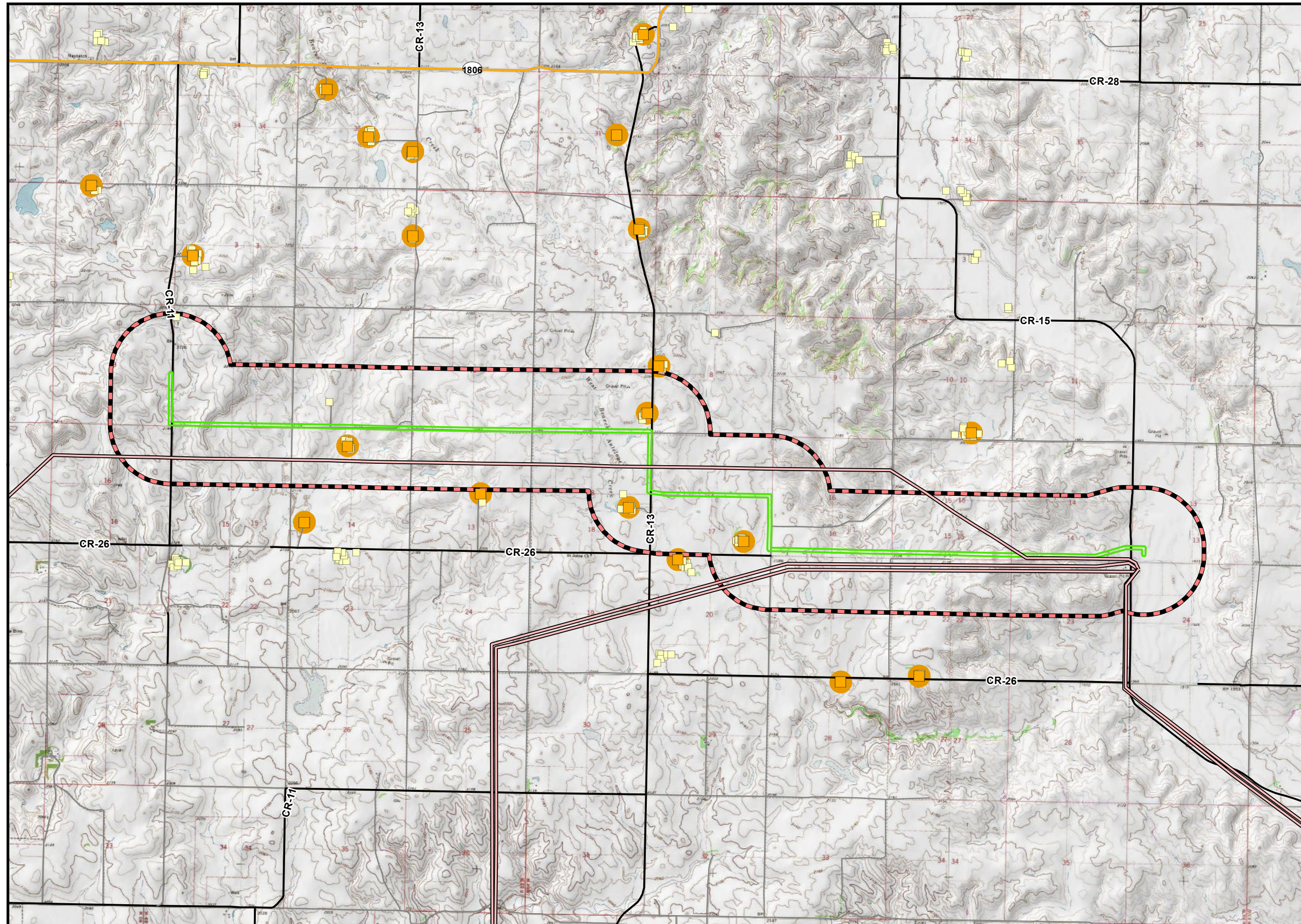


Antelope Hills  
Transmission Line  
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Figure 6  
Exclusion and  
Avoidance Areas

Mercer County, ND  
August 2014

- Proposed Route ROW
- Proposed Corridor
- Residence
- Other Structure
- 500 foot Avoidance Buffer
- Existing Transmission Line (Over 230 kV)



1:50,000 NAD\_1983\_StatePlane\_North\_Dakota\_South\_FIPS\_3302\_Feet

0 1 2 Miles

**Figure 7**

**Conceptual Design Structures**

**WIRE DETAILS:**

ALL TENSIONS AT NESC HEAVY  
0°F, .5" ICE, 4 PSF WIND.

AVERAGE SPAN: 700 FT

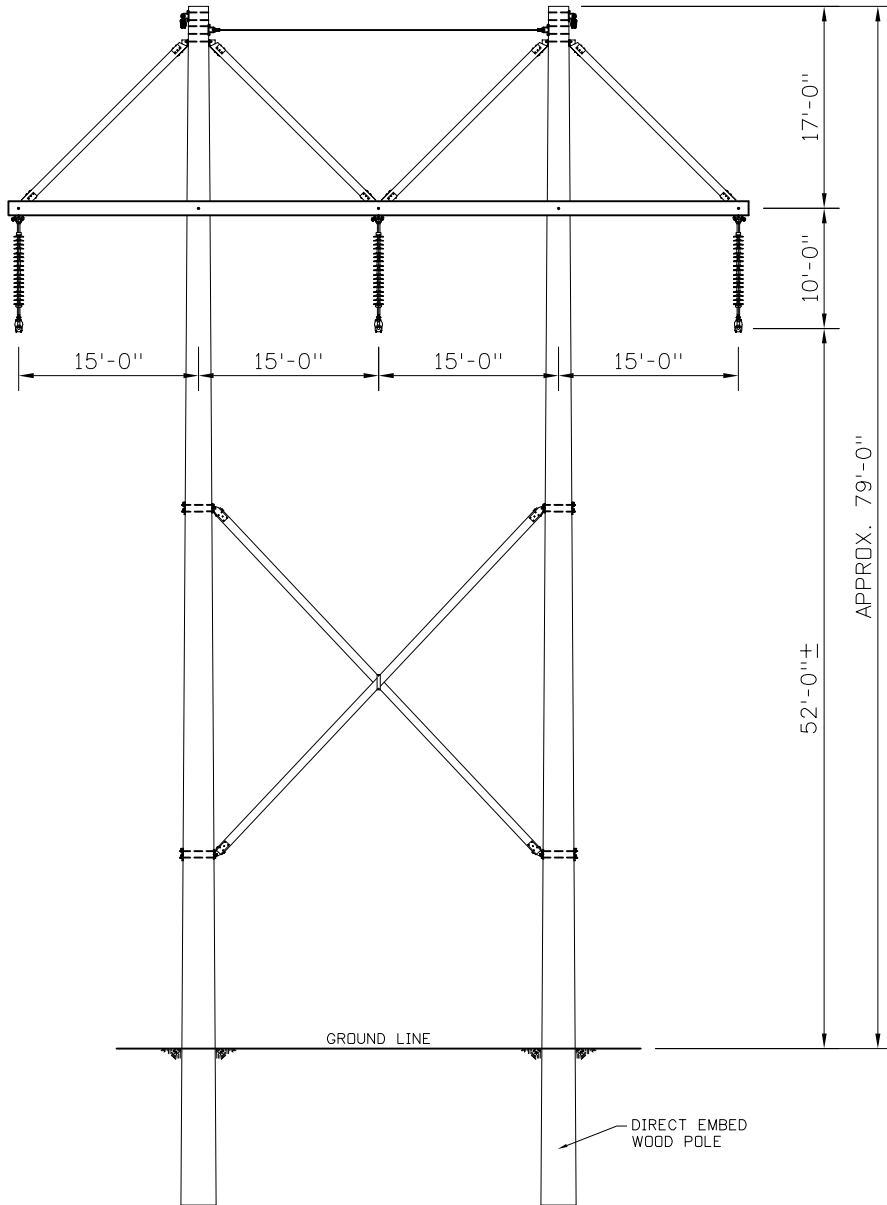
**SHIELDWIRE:**

AFL DNO-6071 OPGW  
DIAM-0.555", WT-0.383 #/FT  
RULING SPAN: 700 FT  
DESIGN TENSION: 5600 LBS

3/8" EHS 7-STRAND  
DIAM-0.360", WT-0.273 #/FT  
RULING SPAN: 700 FT  
DESIGN TENSION: 4300 LBS

**345KV CONDUCTOR:**

2-BUNDLE DRAKE ACSR 26/7  
DIAM-1.108", WT-1.093 #/FT  
RULING SPAN: 700 FT  
DESIGN TENSION: 9900 LBS  
/PER WIRE



**PRELIMINARY  
NOT FOR CONSTRUCTION  
07/30/14**



ND ANTELOPE HILLS  
345KV SINGLE CKT  
H-FRAME TANGENT  
WOOD DIRECT EMBED  
CONCEPTUAL DESIGN

TYPE 1 STR

Project Number: 14.01005  
Date: 07/30/14  
Drawn By: UEI-GLS  
Approved By: UEI-SPT  
Sheets: 1 of 1

**WIRE DETAILS:**

ALL TENSIONS AT NESC HEAVY  
0°F, .5" ICE, 4 PSF WIND.

AVERAGE SPAN: 700 FT

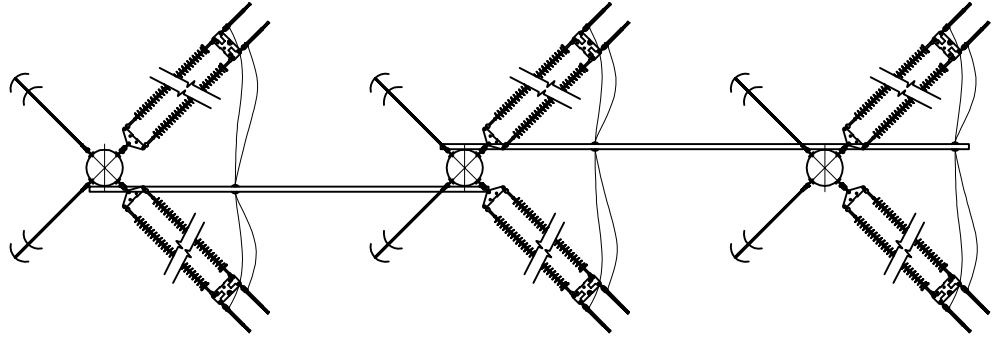
**SHIELDWIRE:**

AFL DNO-6071 DPGW  
DIAM-0.555", WT-0.383 #/FT  
RULING SPAN: 700 FT  
DESIGN TENSION: 5600 LBS

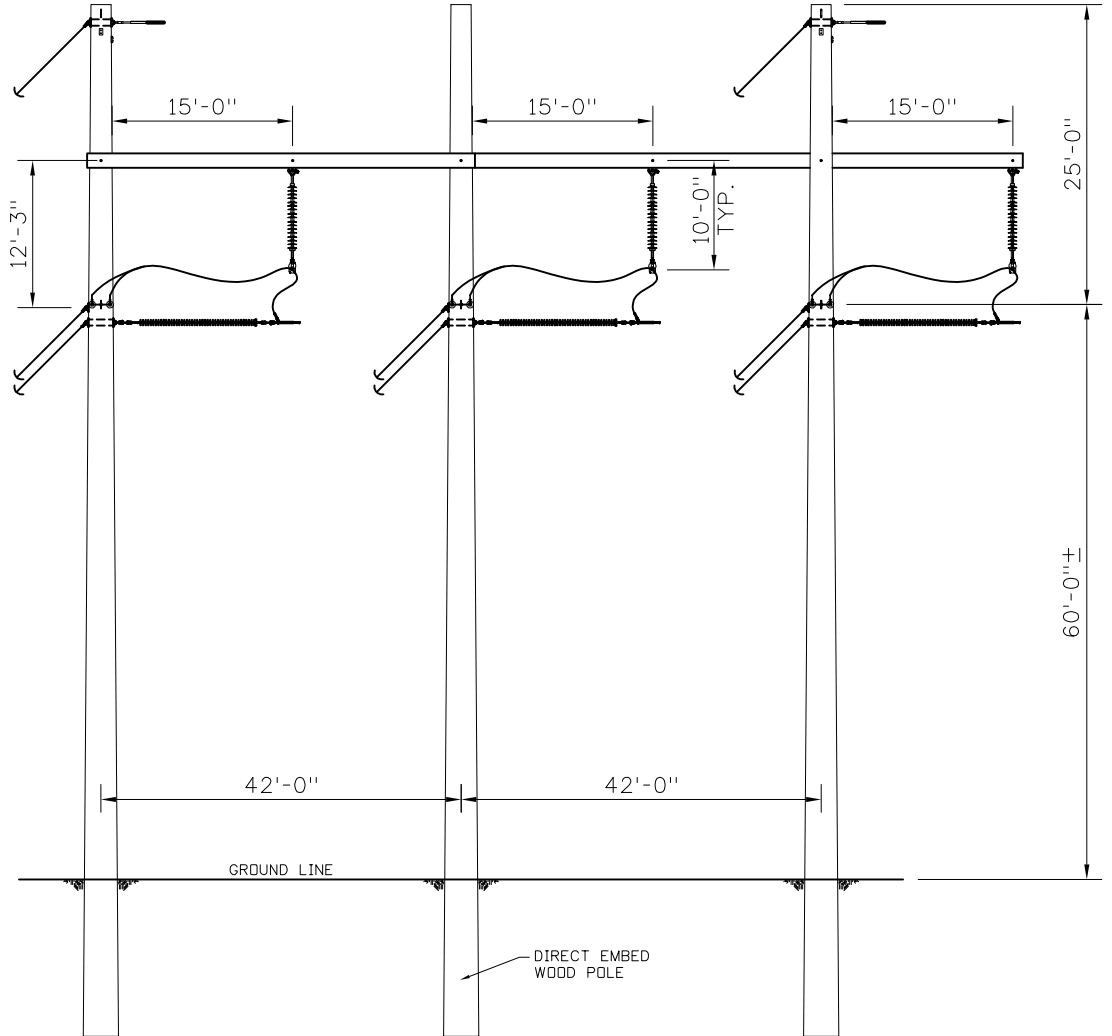
3/8" EHS 7-STRAND  
DIAM-0.360", WT-0.273 #/FT  
RULING SPAN: 700 FT  
DESIGN TENSION: 4300 LBS

**345KV CONDUCTOR:**

2-BUNDLE DRAKE ACSR 26/7  
DIAM-1.108", WT-1.093 #/FT  
RULING SPAN: 700 FT  
DESIGN TENSION: 9900 LBS  
/PER WIRE



345KV PLAN VIEW



**PRELIMINARY  
NOT FOR CONSTRUCTION  
07/30/14**



ND ANTELOPE HILLS  
345KV SINGLE CKT  
3-POLE DEADEND GUYED  
WOOD DIRECT EMBED  
CONCEPTUAL DESIGN

TYPE 2 STR

Project Number: 14\_01005  
Date: 07/30/14  
Drawn By: UEI-GLS  
Approved By: UEI-SPT  
Sheets: 1 of 1

**WIRE DETAILS:**

ALL TENSIONS AT NESC HEAVY  
0°F, .5" ICE, 4 PSF WIND.

AVERAGE SPAN: 300 FT

**SHIELDWIRE:**

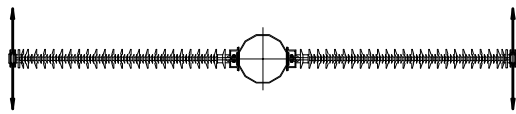
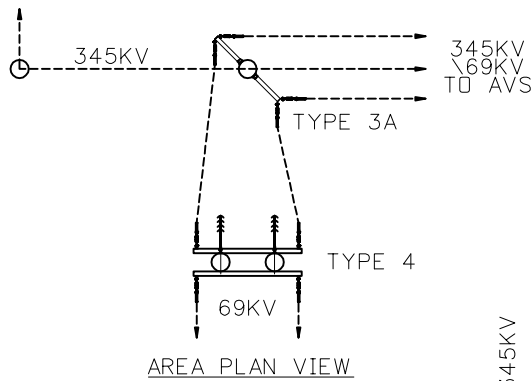
AFL DNO-6071 OPGW  
DIAM=0.555", WT=0.383 #/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 3900 LBS

**345KV CONDUCTOR:**

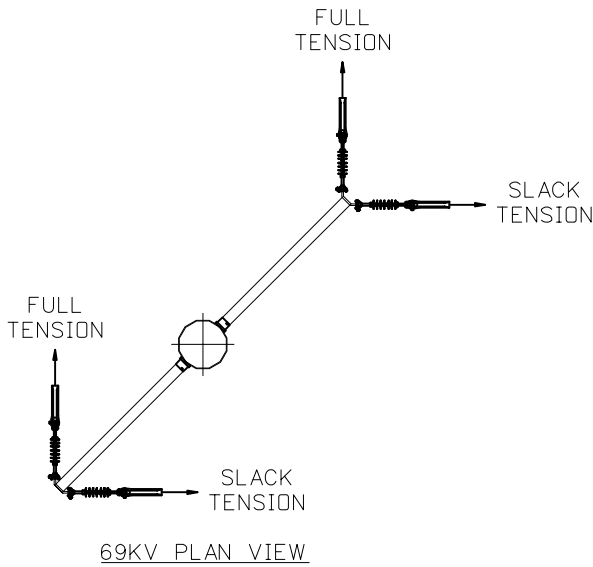
2-BUNDLE DRAKE ACSR 26/7  
DIAM=1.108", WT=1.093 #/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 7600 LBS  
/PER WIRE

**69KV CONDUCTOR:**

HAWK ACSR 26/7  
DIAM=0.858", WT=0.656 #/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 5400 LBS



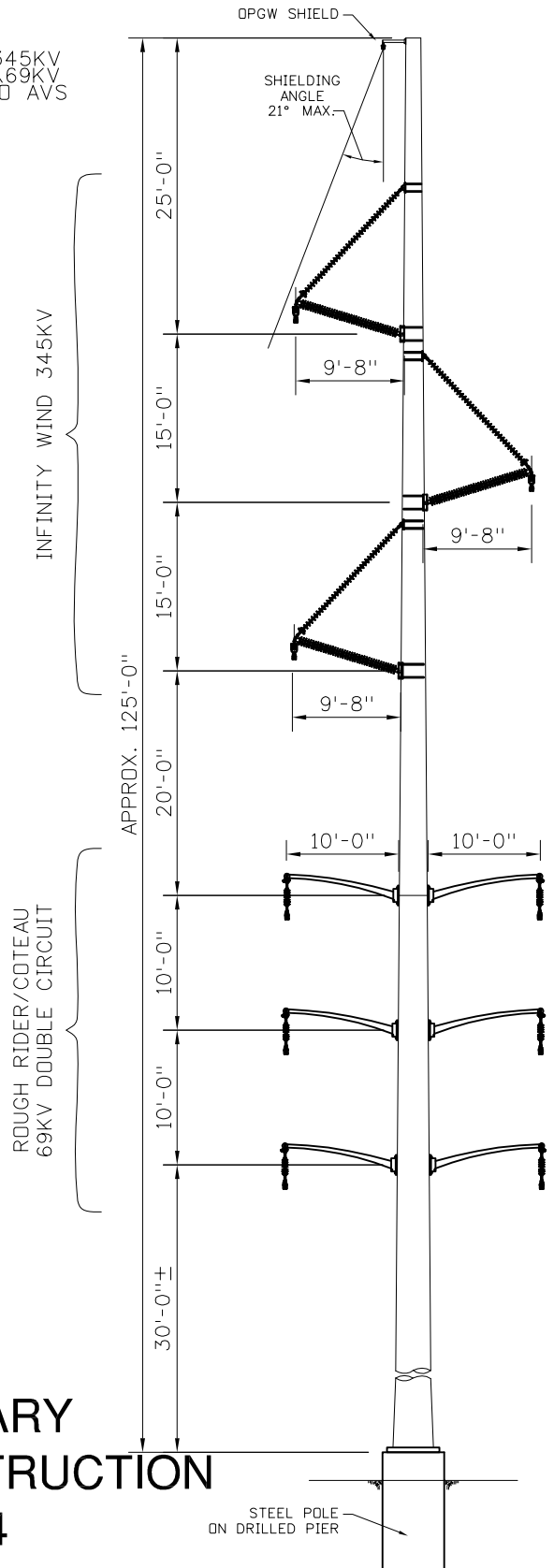
345KV PLAN VIEW



69KV PLAN VIEW

**NOTE:**  
ROUGH RIDER 69KV INSULATED  
AT 161KV FOR RELIABILITY.

**PRELIMINARY  
NOT FOR CONSTRUCTION  
07/30/14**



STEEL POLE  
ON DRILLED PIER



ND ANTELOPE HILLS  
345KV/69KV DBL CKT  
TANGENT AND DEADEND  
STEEL ON DRILLED PIER  
CONCEPTUAL DESIGN

**TYPE 3A STR**

Project Number: 14\_01005  
Date: 07/30/14  
Drawn By: UEI-GLS  
Approved By: UEI-SPT  
Sheets: 1 of 1

**WIRE DETAILS:**

ALL TENSIONS AT NESC HEAVY  
0°F, .5" ICE, 4 PSF WIND.

AVERAGE SPAN: 300 FT

**SHIELDWIRE:**

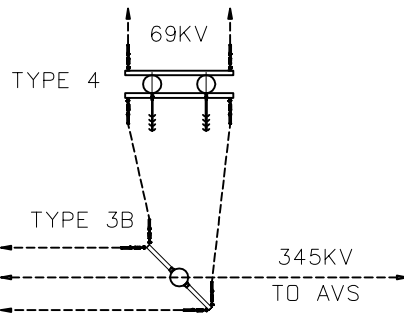
AFL DND-6071 DPGW  
DIAM=0.555", WT=0.383 #/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 3900 LBS

**345KV CONDUCTOR:**

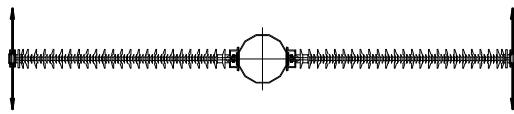
2-BUNDLE DRAKE ACSR 26/7  
DIAM=1.108", WT=1.093 #/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 7600 LBS  
/PER WIRE

**69KV CONDUCTOR:**

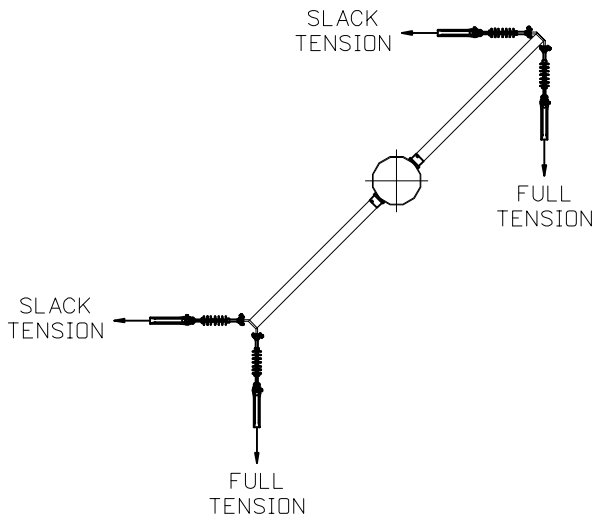
HAWK ACSR 26/7  
DIAM=0.858", WT=0.656 #/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 5400 LBS



AREA PLAN VIEW



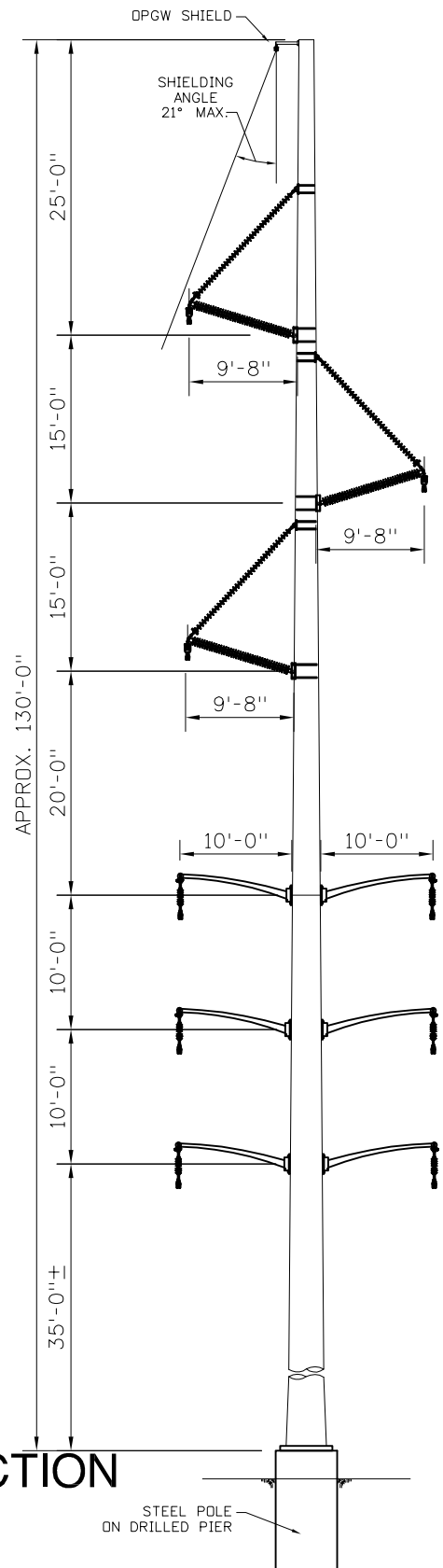
345KV PLAN VIEW



69KV PLAN VIEW

INFINITY WIND 345KV

ROUGH RIDER/COTEAU 69KV DOUBLE CIRCUIT



NOTE:  
ROUGH RIDER 69KV INSULATED  
AT 161KV FOR RELIABILITY.

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**  
07/30/14

STEEL POLE  
ON DRILLED PIER



ND ANTELOPE HILLS  
345KV/69KV DBL CKT  
TANGENT AND DEADEND  
STEEL ON DRILLED PIER  
CONCEPTUAL DESIGN

**TYPE 3B STR**  
Project Number: 14\_01005  
Date: 07/30/14  
Drawn By: UEI-GLS  
Approved By: UEI-SPT  
Sheets: 1 of 1

**WIRE DETAILS:**

ALL TENSIONS AT NESC HEAVY  
0°F, .5" ICE, 4 PSF WIND.

AVERAGE SPAN: 300 FT

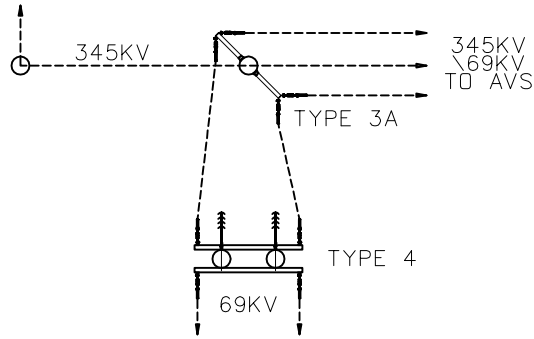
**SHIELDWIRE:**

AFL DNO-6071 DPGW  
DIAM-0.555", WT-0.383 #/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 3900 LBS

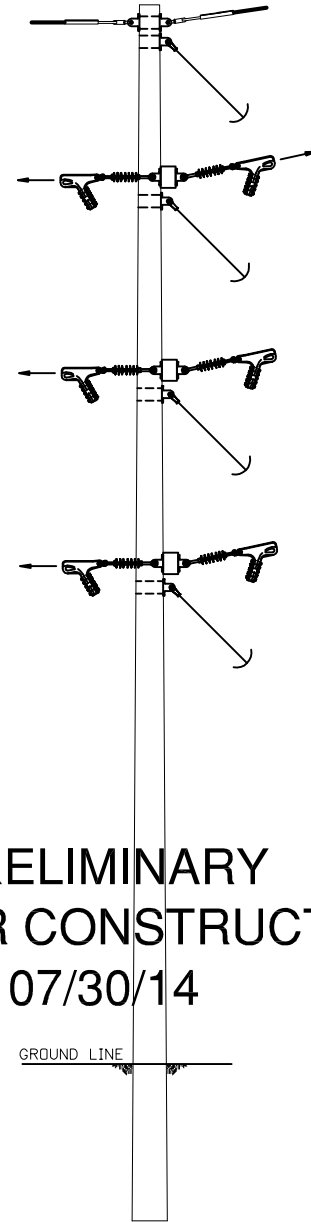
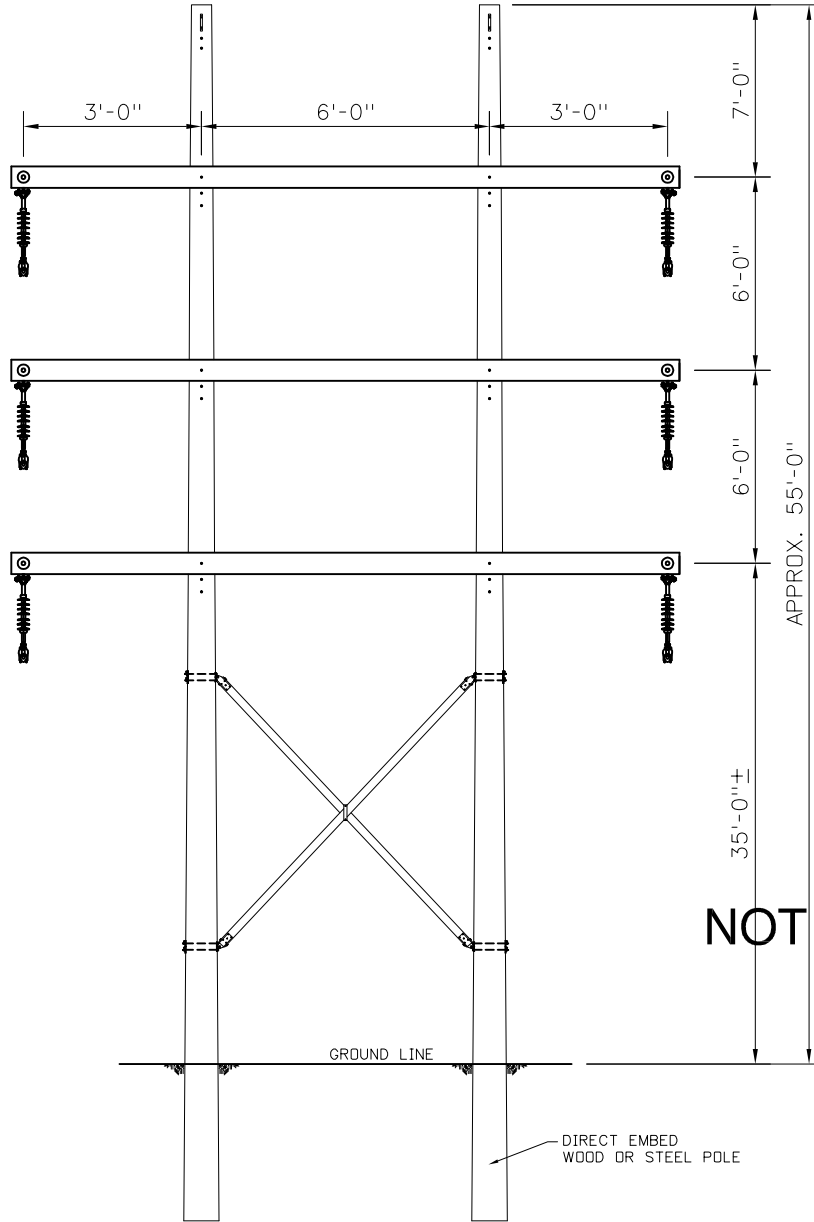
3/8" EHS 7-STRAND  
DIAM-0.360", WT-0.273 #/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 2900 LBS

**69KV CONDUCTOR:**

HAWK ACSR 26/7  
DIAM-0.858", WT-0.656 #/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 5400 LBS



AREA PLAN VIEW



**PRELIMINARY  
NOT FOR CONSTRUCTION  
07/30/14**



ND ANTELOPE HILLS  
69KV DBL CKT  
H-FRAME DEADEND GUYED  
WOOD/STEEL DIRECT EMBED  
CONCEPTUAL DESIGN

TYPE 4 STR

Project Number: 14\_01005  
Date: 07/30/14  
Drawn By: UEI-GLS  
Approved By: UEI-SPT  
Sheets: 1 of 1

**WIRE DETAILS:**

ALL TENSIONS AT NESC HEAVY  
0°F, .5" ICE, 4 PSF WIND.

AVERAGE SPAN: 300 FT

**SHIELDWIRE:**

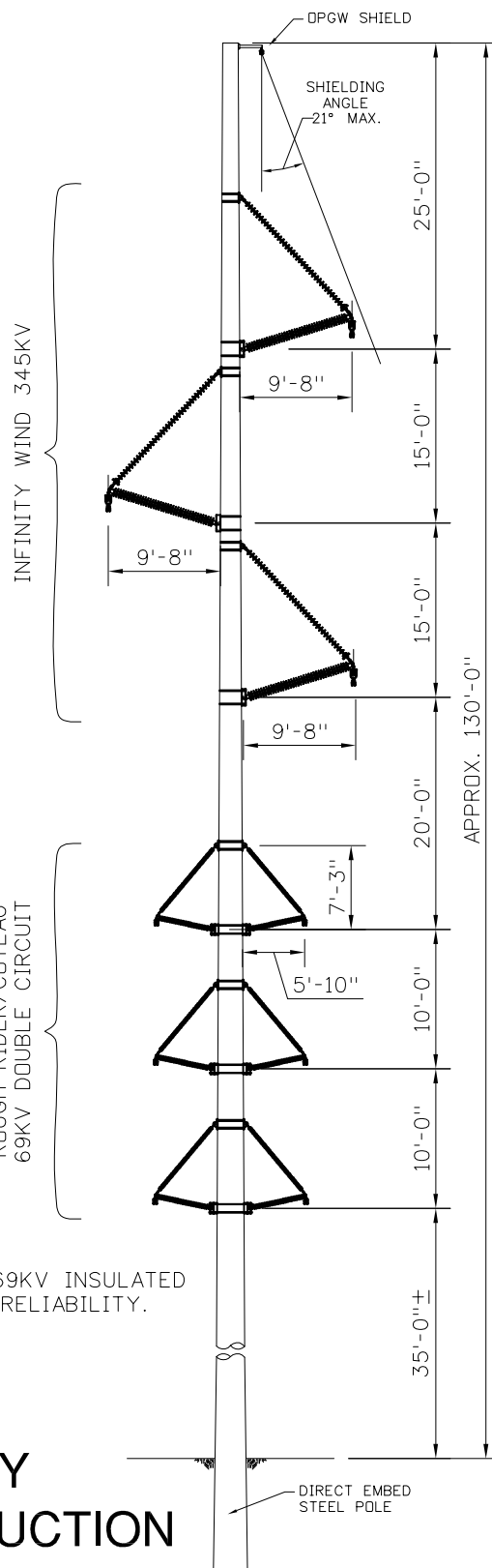
AFL DND-6071 DPGW  
DIAM-0.555", WT-0.383 \*/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 3900 LBS

**345KV CONDUCTOR:**

2-BUNDLE DRAKE ACSR 26/7  
DIAM-1.108", WT-1.093 \*/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 7600 LBS  
/PER WIRE

**69KV CONDUCTOR:**

HAWK ACSR 26/7  
DIAM-0.858", WT-0.656 \*/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 5400 LBS



**NOTE:**  
ROUGH RIDER 69KV INSULATED  
AT 161KV FOR RELIABILITY.

**PRELIMINARY  
NOT FOR CONSTRUCTION  
07/31/14**



ND ANTELOPE HILLS  
345KV/69KV DBL CKT  
BRACED POST TANGENT  
STEEL DIRECT EMBED  
CONCEPTUAL DESIGN

**TYPE 5A STR**

Project Number: 14.01005  
Date: 07/31/14  
Drawn By: UEI-GLS  
Approved By: UEI-SPT  
Sheets: 1 of 1

**WIRE DETAILS:**

ALL TENSIONS AT NESC HEAVY  
0°F, .5" ICE, 4 PSF WIND.

AVERAGE SPAN: 300 FT

**SHIELDWIRE:**

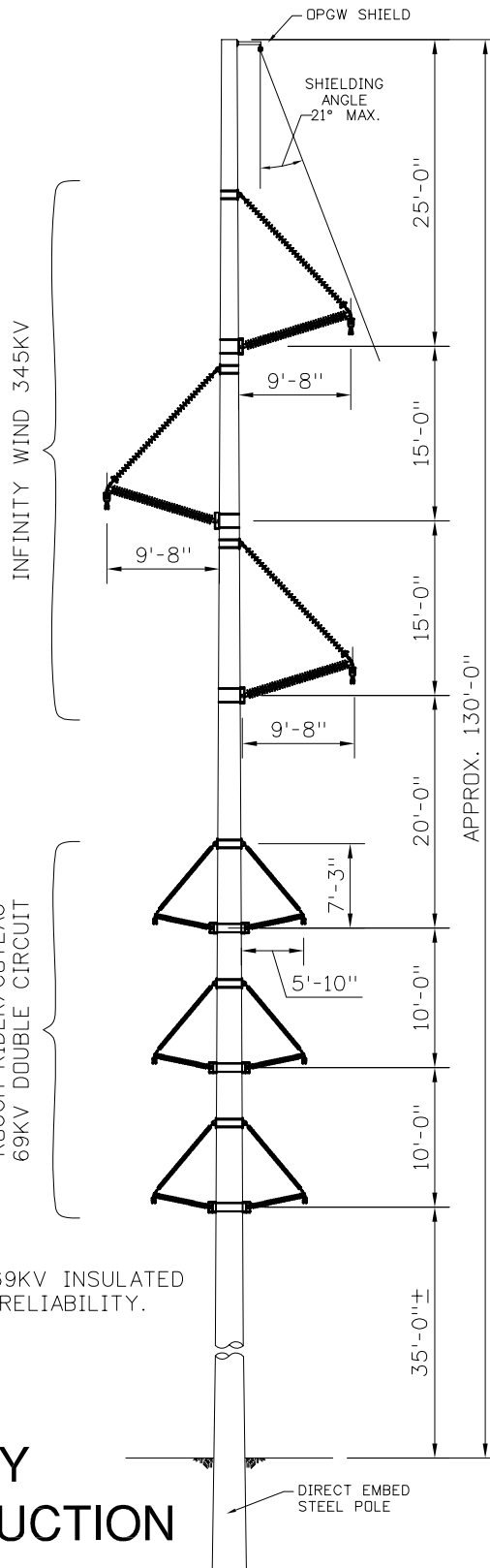
AFL DNO-6071 OPGW  
DIAM=0.555", WT=0.383 #/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 3900 LBS

**345KV CONDUCTOR:**

2-BUNDLE DRAKE ACSR 26/7  
DIAM=1.108", WT=1.093 #/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 7600 LBS  
/PER WIRE

**69KV CONDUCTOR:**

HAWK ACSR 26/7  
DIAM=0.858", WT=0.656 #/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 5400 LBS



ACTUAL HEIGHT MAY VARY  
PENDING ELEVATION INPUT  
FROM BASIN ELECTRIC  
REGARDING THEIR PROPOSED  
345KV OHTL.

**PRELIMINARY  
NOT FOR CONSTRUCTION  
07/31/14**



**ND ANTELOPE HILLS  
345KV/69KV DBL CKT  
BRACED POST TANGENT  
STEEL DIRECT EMBED  
CONCEPTUAL DESIGN**

**TYPE 5B STR**

Project Number: 14.01005  
Date: 07/31/14  
Drawn By: UEI-GLS  
Approved By: UEI-SPT  
Sheets: 1 of 1

**WIRE DETAILS:**

ALL TENSIONS AT NESC HEAVY  
0°F, .5" ICE, 4 PSF WIND.

AVERAGE SPAN: 300 FT

**SHIELDWIRE:**

AFL DND-6071 DPGW  
DIAM-0.555", WT-0.383 \*/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 3900 LBS

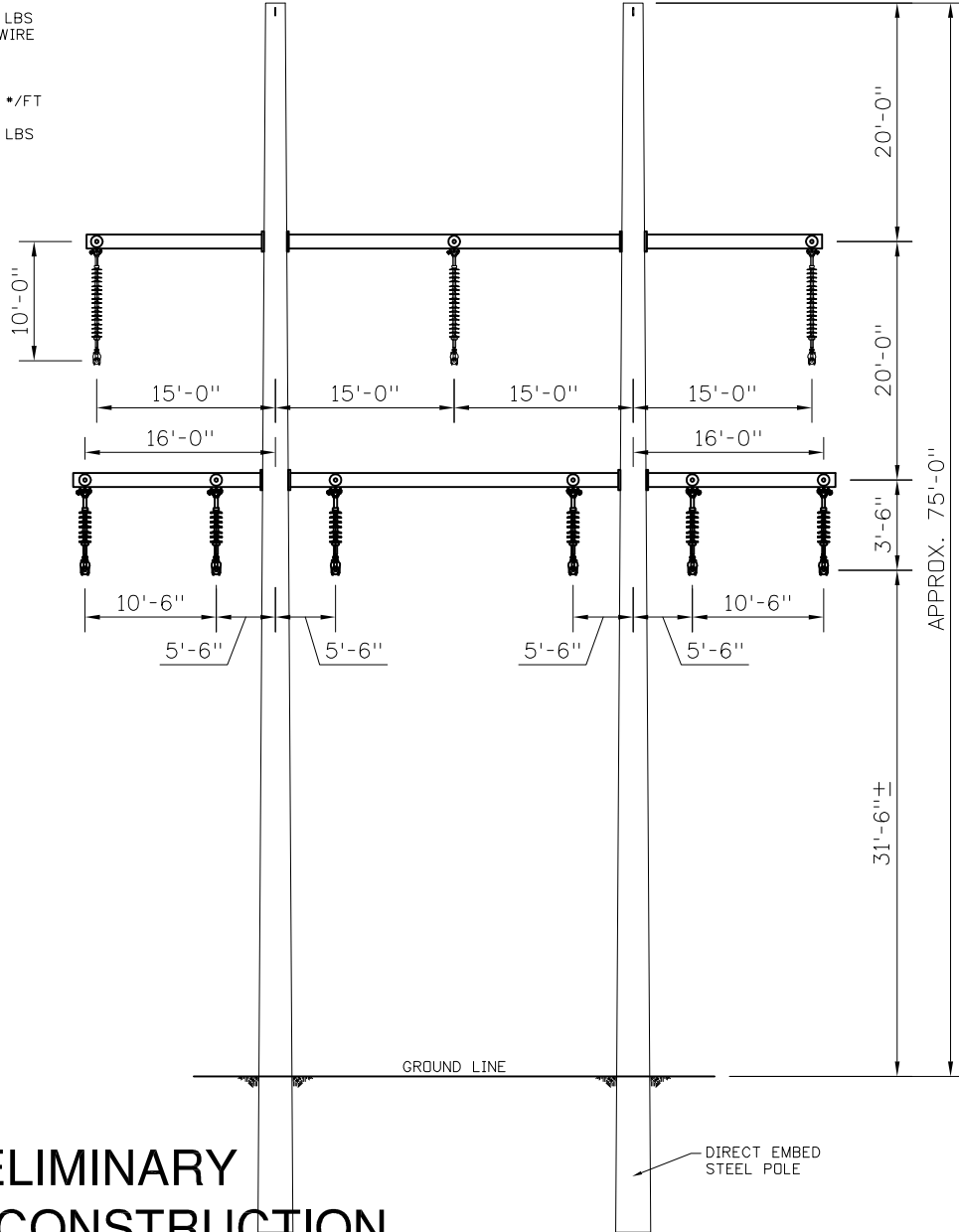
3/8" EHS 7-STRAND  
DIAM-0.360", WT-0.273 \*/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 2900 LBS

**345KV CONDUCTOR:**

2-BUNDLE DRAKE ACSR 26/7  
DIAM-1.108", WT-1.093 \*/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 7600 LBS  
/PER WIRE

**69KV CONDUCTOR:**

HAWK ACSR 26/7  
DIAM-0.858", WT-0.656 \*/FT  
RULING SPAN: 300 FT  
DESIGN TENSION: 5400 LBS



**PRELIMINARY**  
**NOT FOR CONSTRUCTION**  
**07/30/14**



ND ANTELOPE HILLS  
345KV/69KV DBL CKT  
H-FRAME IN-LINE DEADEND  
STEEL DIRECT EMBED  
CONCEPTUAL DESIGN

TYPE 6 STR

Project Number: 14\_01005  
Date: 07/30/14  
Drawn By: UEI-GLS  
Approved By: UEI-SPT  
Sheets: 1 of 1

**WIRE DETAILS:**

ALL TENSIONS AT NESC HEAVY  
0°F, .5" ICE, 4 PSF WIND.

AVERAGE SPAN: 450 FT

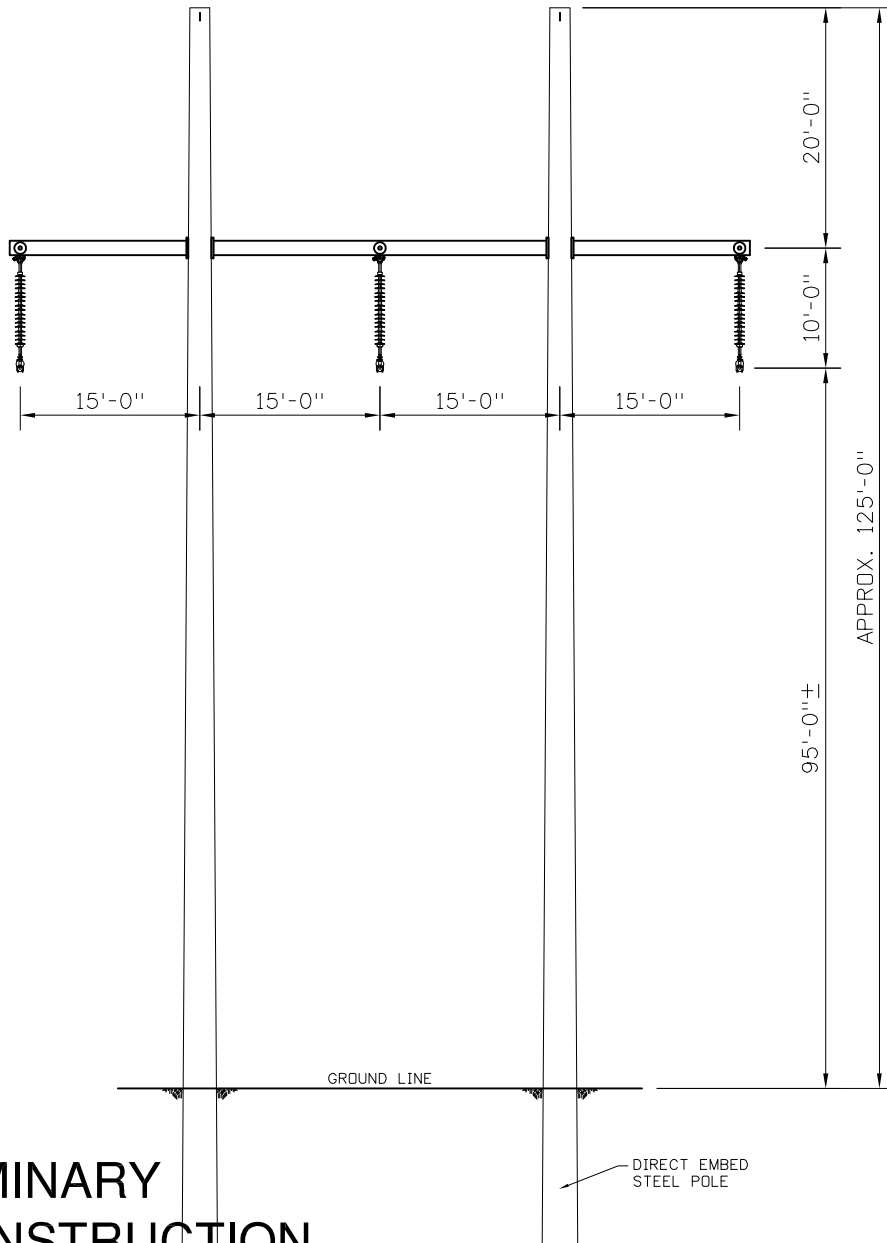
**SHIELDWIRE:**

AFL DND-6071 OPGW  
DIAM-0.555", WT-0.383 #/FT  
RULING SPAN: 450 FT  
DESIGN TENSION: 4400 LBS

3/8" EHS 7-STRAND  
DIAM-0.360", WT-0.273 #/FT  
RULING SPAN: 450 FT  
DESIGN TENSION: 3300 LBS

**345KV CONDUCTOR:**

2-BUNDLE DRAKE ACSR 26/7  
DIAM-1.108", WT-1.093 #/FT  
RULING SPAN: 450 FT  
DESIGN TENSION: 8600 LBS  
/PER WIRE



**PRELIMINARY**  
**NOT FOR CONSTRUCTION**  
**07/30/14**



ND ANTELOPE HILLS  
345KV SINGLE CKT  
H-FRAME DEADEND HAUL RD X-ING STR  
STEEL DIRECT EMBED  
CONCEPTUAL DESIGN

TYPE 7 STR

Project Number: 14\_01005  
Date: 07/30/14  
Drawn By: UEI-GLS  
Approved By: UEI-SPT  
Sheets: 1 of 1

**WIRE DETAILS:**

ALL TENSIONS AT NESC HEAVY  
0°F, .5" ICE, 4 PSF WIND.

AVERAGE SPAN: 800 FT

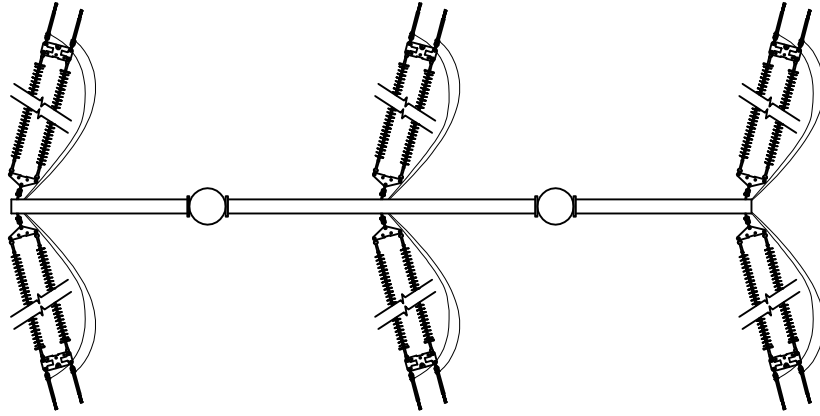
**SHIELDWIRE:**

AFL DNO-6071 OPGW  
DIAM=0.555", WT=0.383 •/FT  
RULING SPAN: 800 FT  
DESIGN TENSION: 5800 LBS

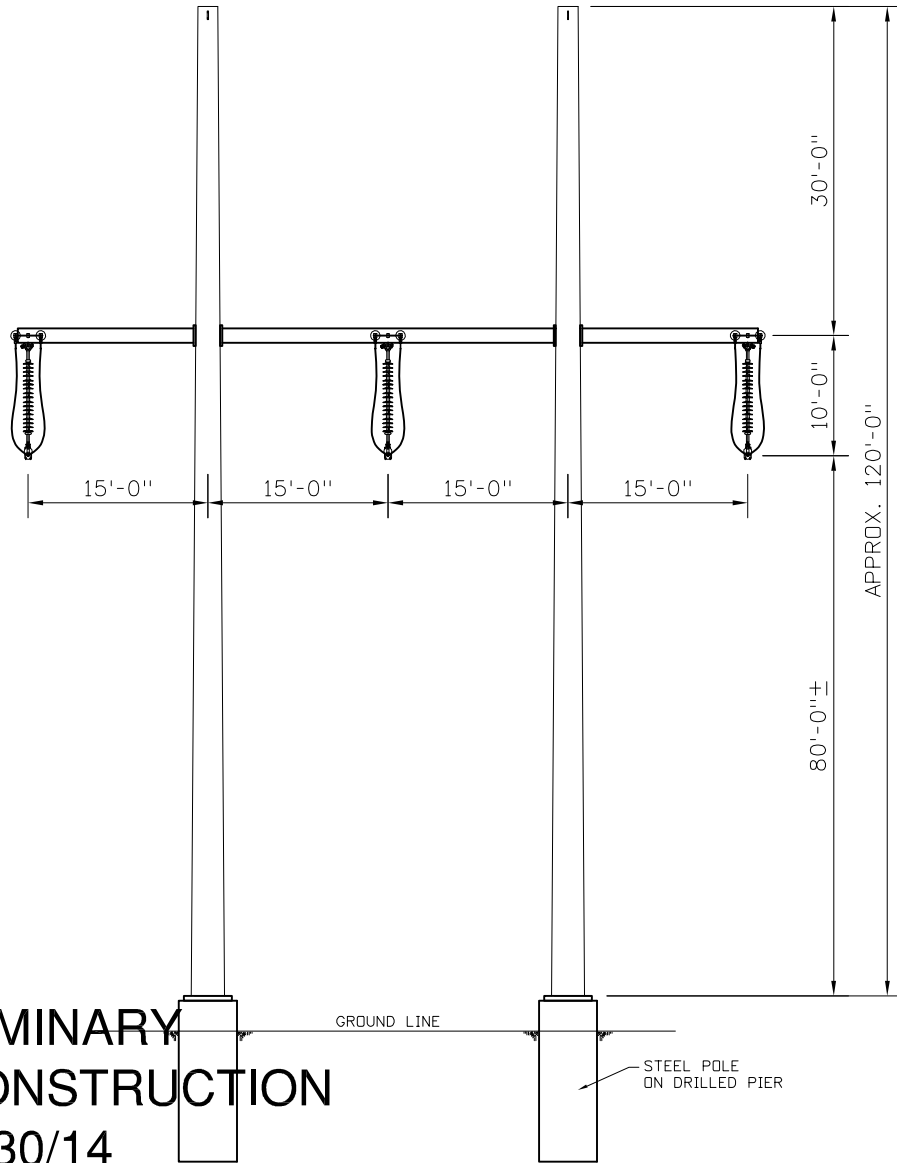
3/8" EHS 7-STRAND  
DIAM=0.360", WT=0.273 •/FT  
RULING SPAN: 800 FT  
DESIGN TENSION: 4500 LBS

**345KV CONDUCTOR:**

2-BUNDLE DRAKE ACSR 26/7  
DIAM=1.108", WT=1.093 •/FT  
RULING SPAN: 800 FT  
DESIGN TENSION: 10200 LBS  
/PER WIRE



PLAN VIEW



**PRELIMINARY  
NOT FOR CONSTRUCTION  
07/30/14**

GROUND LINE

STEEL POLE  
ON DRILLED PIER



**ND ANTELOPE HILLS  
345KV SINGLE CKT  
H-FRAME DEADEND 30° ANGLE  
STEEL ON DRILLED PIER  
CONCEPTUAL DESIGN**

**TYPE 8 STR**

Project Number: 14.01005  
Date: 07/30/14  
Drawn By: UEI-GLS  
Approved By: UEI-SPT  
Sheets: 1 of 1

**WIRE DETAILS:**

ALL TENSIONS AT NESC HEAVY  
0°F, .5" ICE, 4 PSF WIND.

AVERAGE SPAN: 500 FT

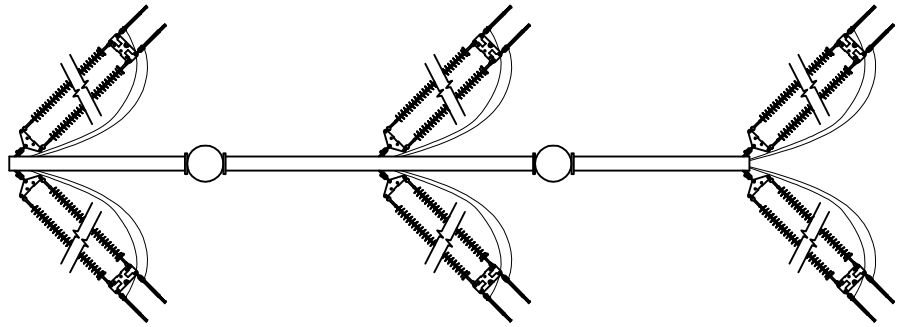
**SHIELDWIRE:**

AFL DND-6071 DPGW  
DIAM-0.555", WT-0.383 #/FT  
RULING SPAN: 500 FT  
DESIGN TENSION: 4400 LBS

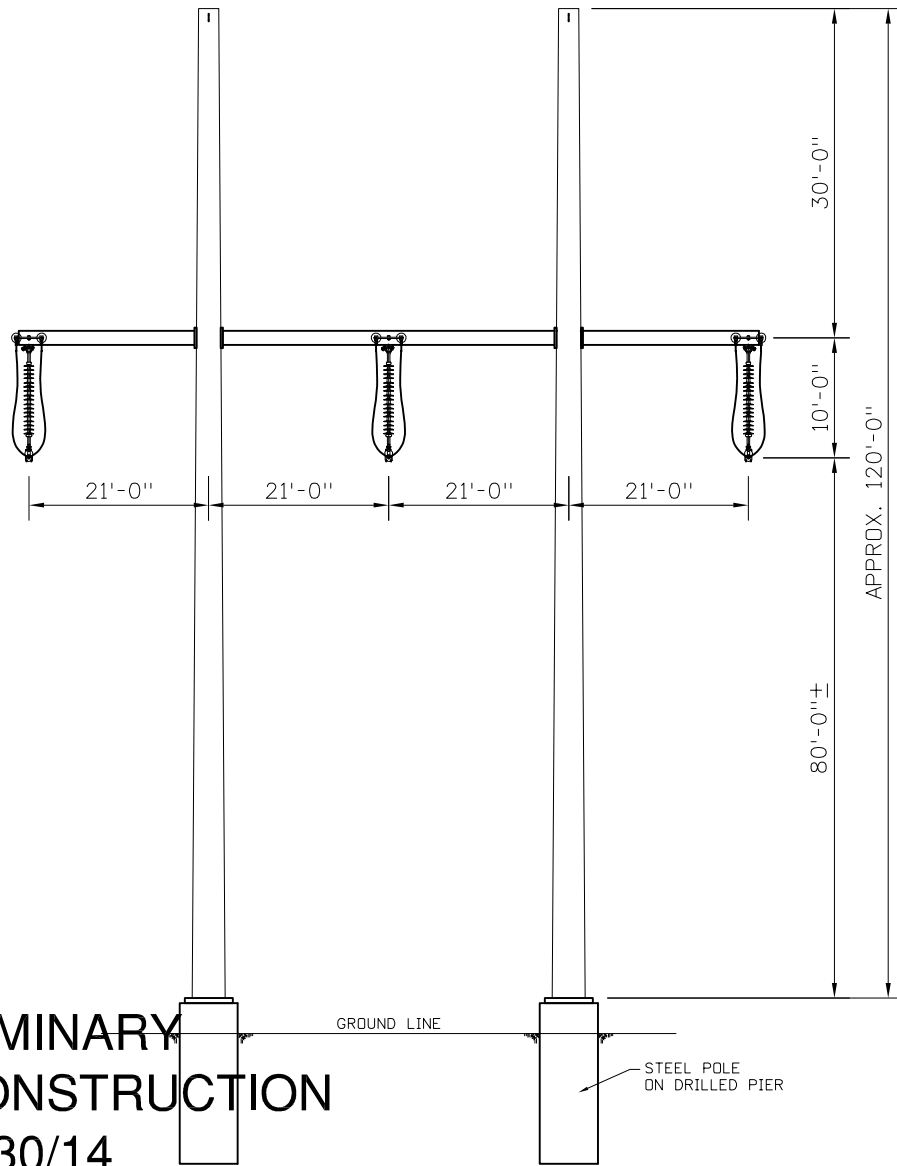
3/8" EHS 7-STRAND  
DIAM-0.360", WT-0.273 #/FT  
RULING SPAN: 500 FT  
DESIGN TENSION: 3300 LBS

**345KV CONDUCTOR:**

2-BUNDLE DRAKE ACSR 26/7  
DIAM-1.108", WT-1.093 #/FT  
RULING SPAN: 500 FT  
DESIGN TENSION: 8600 LBS  
/PER WIRE



PLAN VIEW



**PRELIMINARY**  
**NOT FOR CONSTRUCTION**  
07/30/14



ND ANTELOPE HILLS  
345KV SINGLE CKT  
H-FRAME DEADEND 90° ANGLE  
STEEL ON DRILLED PIER  
CONCEPTUAL DESIGN

TYPE 9 STR

Project Number: 14\_01005  
Date: 07/30/14  
Drawn By: UEI-GLS  
Approved By: UEI-SPT  
Sheets: 1 of 1

**WIRE DETAILS:**

ALL TENSIONS AT NESC HEAVY  
0°F, .5" ICE, 4 PSF WIND.

AVERAGE SPAN: 700 FT

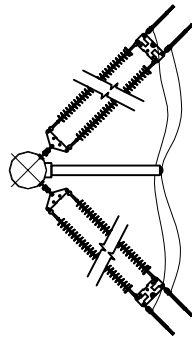
**SHIELDWIRE:**

AFL DNO-6071 DPGW  
DIAM-0.555", WT-0.383 #/FT  
RULING SPAN: 700 FT  
DESIGN TENSION: 5600 LBS

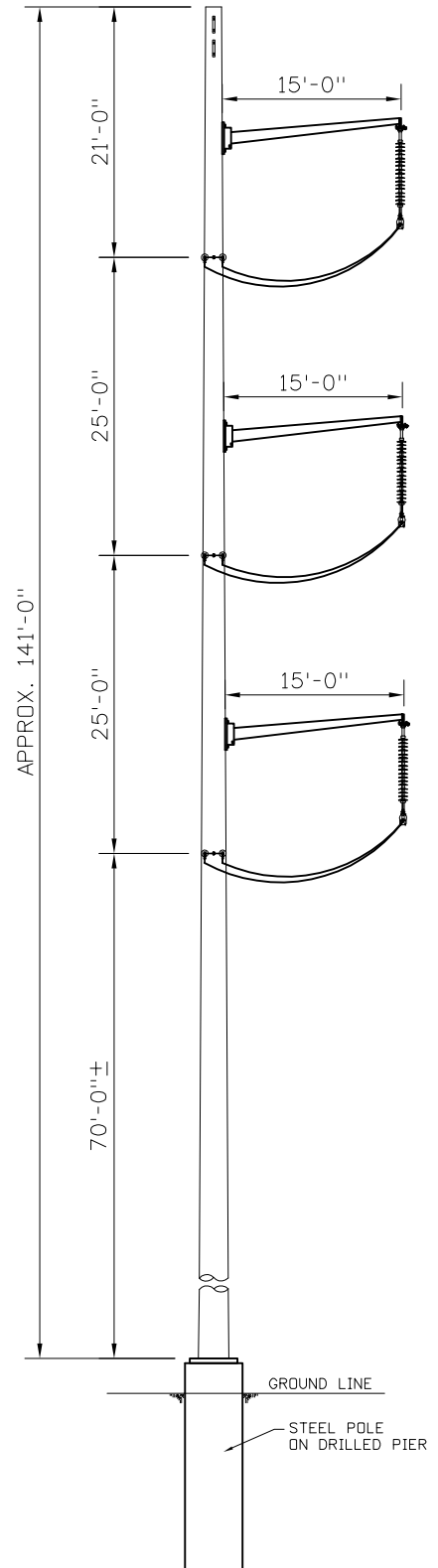
3/8" EHS 7-STRAND  
DIAM-0.360", WT-0.273 #/FT  
RULING SPAN: 700 FT  
DESIGN TENSION: 4300 LBS

**345KV CONDUCTOR:**

2-BUNDLE DRAKE ACSR 26/7  
DIAM-1.108", WT-1.093 #/FT  
RULING SPAN: 700 FT  
DESIGN TENSION: 9900 LBS  
/PER WIRE



PLAN VIEW



**PRELIMINARY  
NOT FOR CONSTRUCTION  
07/30/14**



**ND ANTELOPE HILLS  
345KV SINGLE CKT  
VERTICAL DEADEND  
STEEL ON DRILLED PIER  
CONCEPTUAL DESIGN**

**TYPE 10A STR**

Project Number: 14\_01005  
Date: 07/30/14  
Drawn By: UEI-GLS  
Approved By: UEI-SPT  
Sheets: 1 of 1

**WIRE DETAILS:**

ALL TENSIONS AT NESC HEAVY  
0°F, .5" ICE, 4 PSF WIND.

AVERAGE SPAN: 400 FT

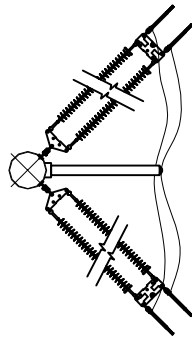
**SHIELDWIRE:**

AFL DND-6071 DPGW  
DIAM-0.555", WT-0.383 #/FT  
RULING SPAN: 400 FT  
DESIGN TENSION: 4000 LBS

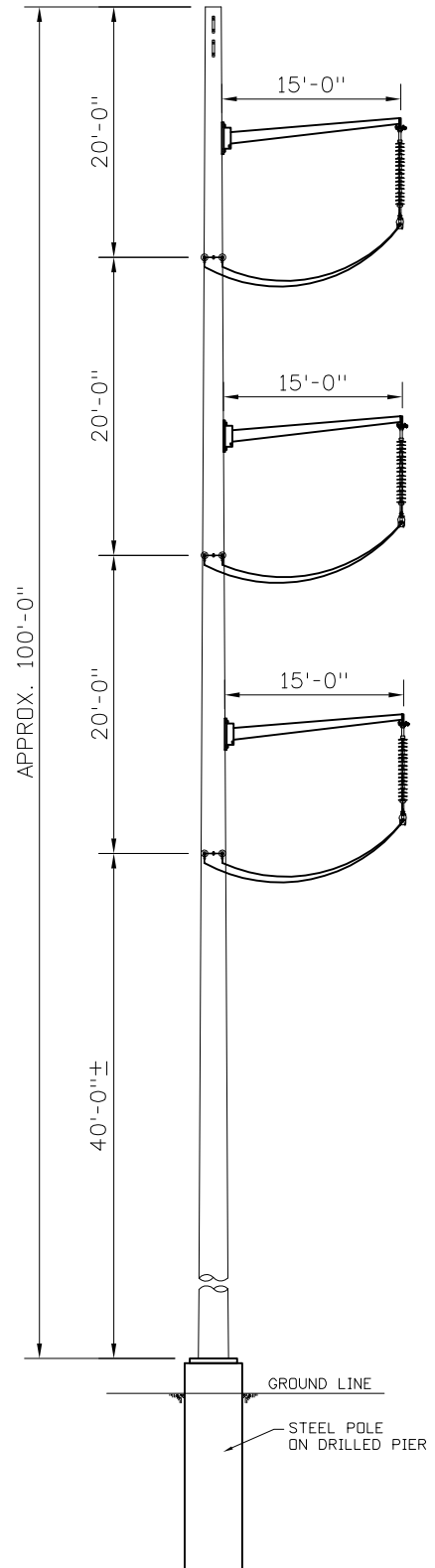
3/8" EHS 7-STRAND  
DIAM-0.360", WT-0.273 #/FT  
RULING SPAN: 400 FT  
DESIGN TENSION: 4000 LBS

**345KV CONDUCTOR:**

2-BUNDLE DRAKE ACSR 26/7  
DIAM-1.108", WT-1.093 #/FT  
RULING SPAN: 400 FT  
DESIGN TENSION: 7800 LBS  
/PER WIRE



PLAN VIEW



**PRELIMINARY  
NOT FOR CONSTRUCTION  
07/30/14**



**ND ANTELOPE HILLS  
345KV SINGLE CKT  
VERTICAL DEADEND  
STEEL ON DRILLED PIER  
CONCEPTUAL DESIGN**







**TYPE 10B STR**

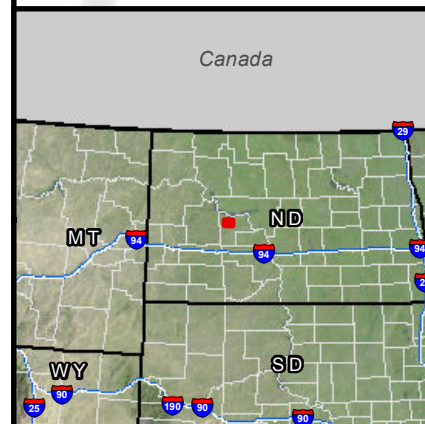
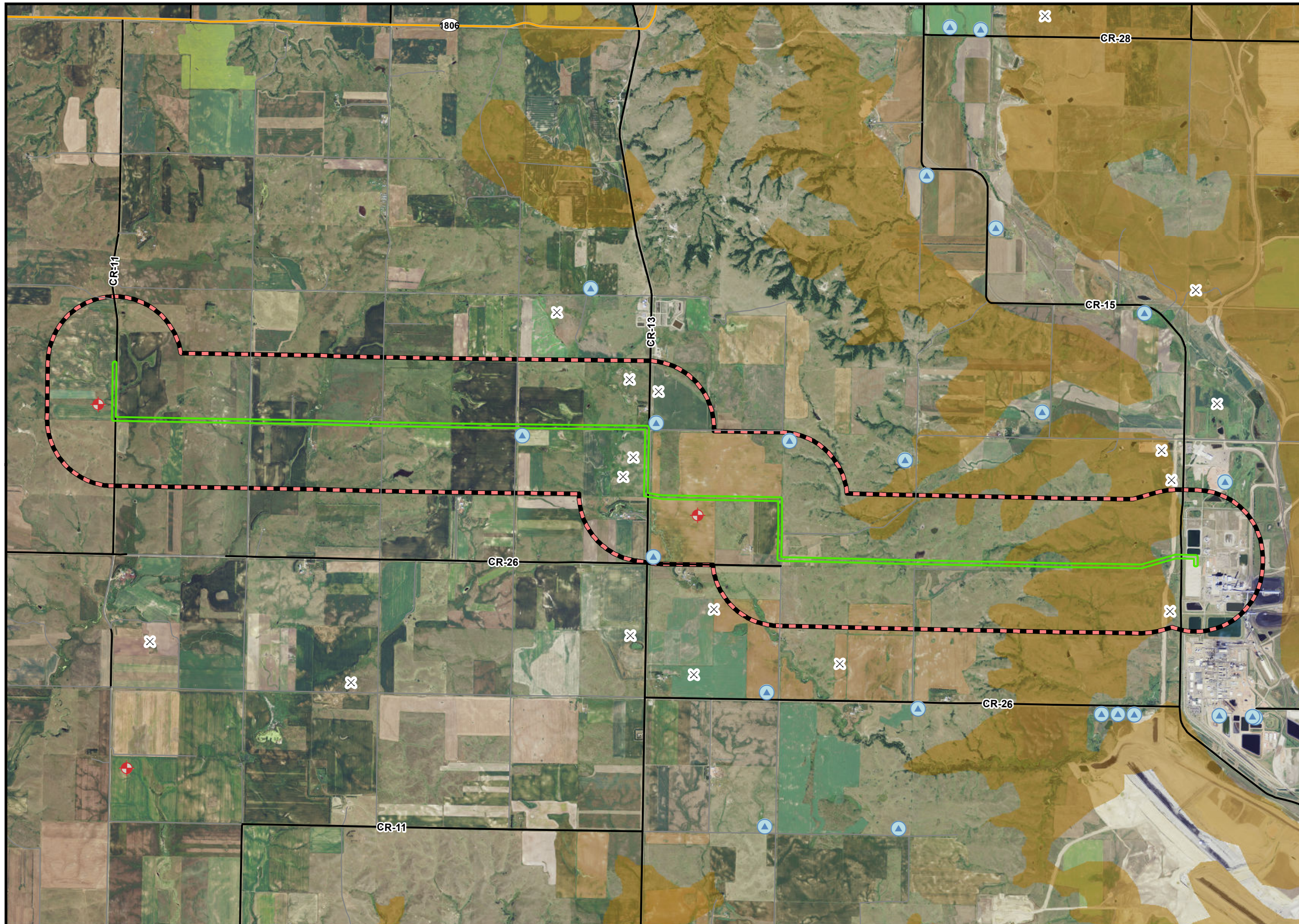
Project Number: 14.01005  
Date: 07/30/14  
Drawn By: UEI-GLS  
Approved By: UEI-SPT  
Sheets: 1 of 1

**Antelope Hills  
Transmission Line  
Application for North Dakota  
Certificate of  
Site Compatibility**

**Figure 8  
Geology and  
Mineral Resources**

Mercer County, ND  
August 2014

-  Proposed Route ROW
-  Proposed Corridor
-  Economic Coal Deposit
-  Well Site
-  Gravel Pit
-  Oil/Gas Well









1:45,000 NAD\_1983\_StatePlane\_North\_Dakota\_South\_FIPS\_3302\_Feet

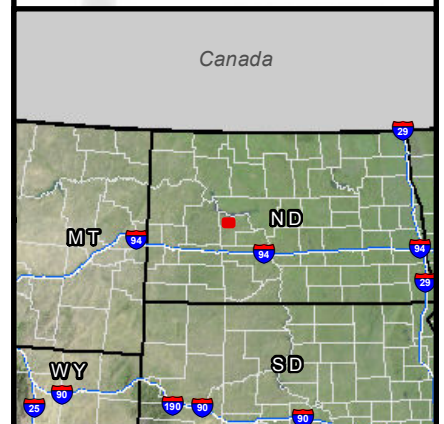
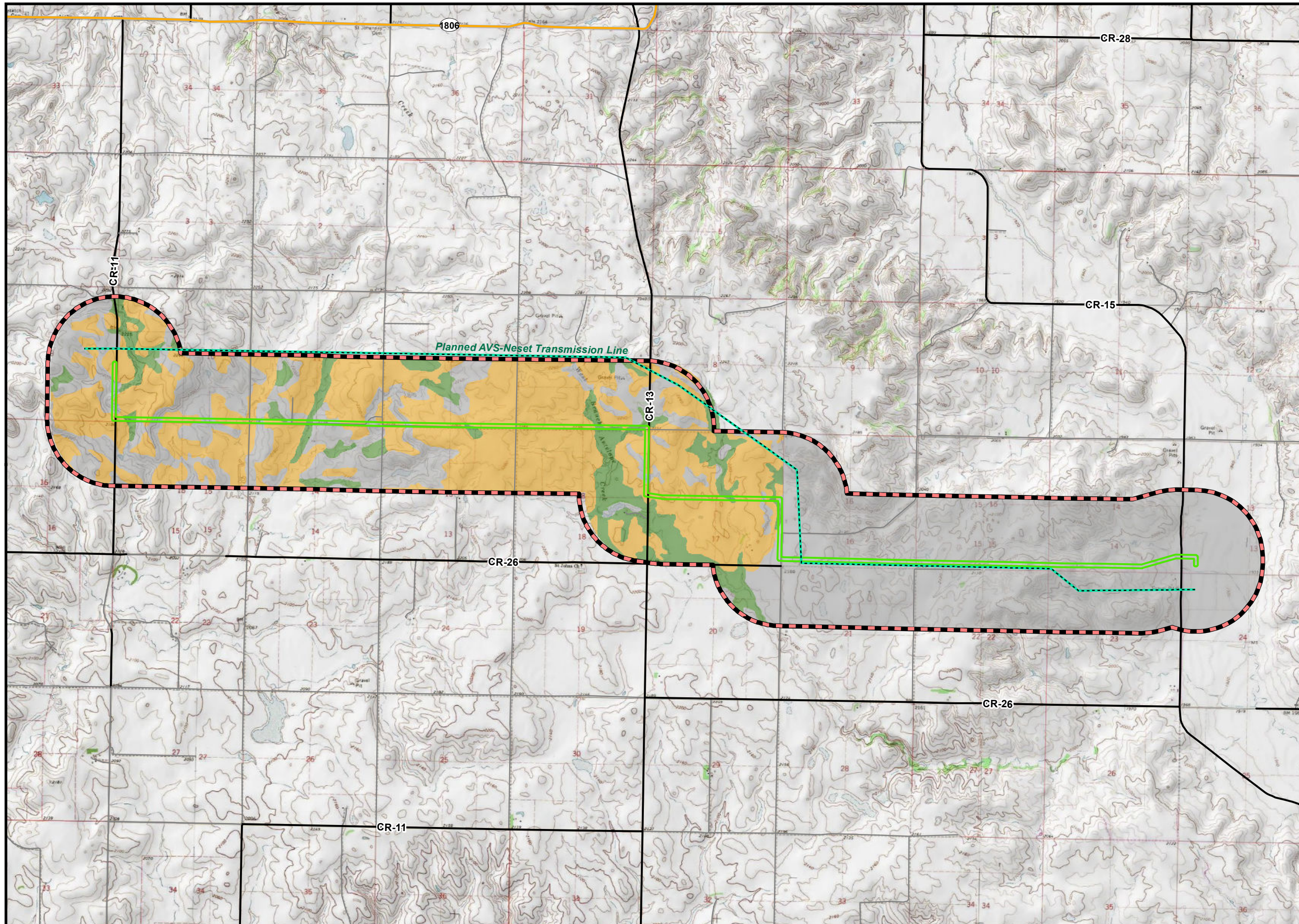
0 1 2 Miles

**Antelope Hills  
Transmission Line  
Application for North Dakota  
Certificate of  
Site Compatibility**

**Figure 9  
Farmland Soils**

Mercer County, ND  
August 2014

-  Proposed Route ROW
  -  Proposed Corridor
  -  Planned AVS-Neset Transmission Line
- Farmland Classification**
-  All areas are prime farmland
  -  Farmland of statewide importance
  -  Not prime farmland



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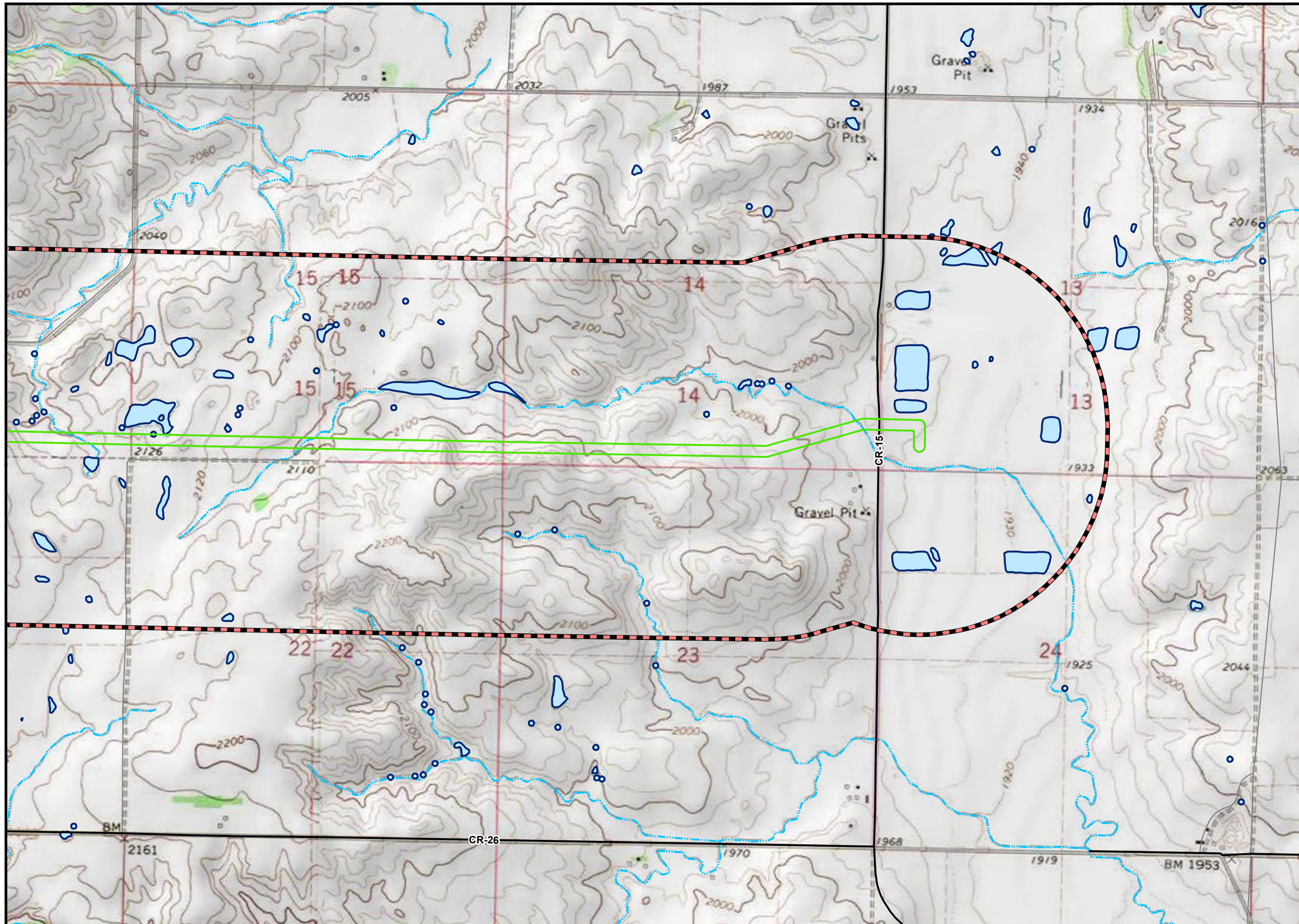


Antelope Hills  
Transmission Line  
Application for North Dakota  
Certificate of  
Site Compatibility

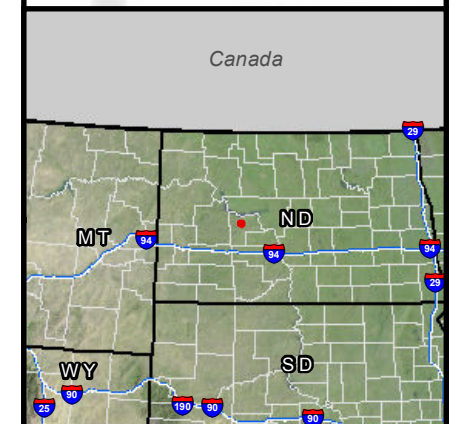
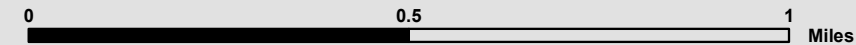
Figure 10-1  
Wetlands and  
Surface Waters

Mercer County, ND  
August 2014

- Proposed Route ROW
- Proposed Corridor
- NWI Wetland



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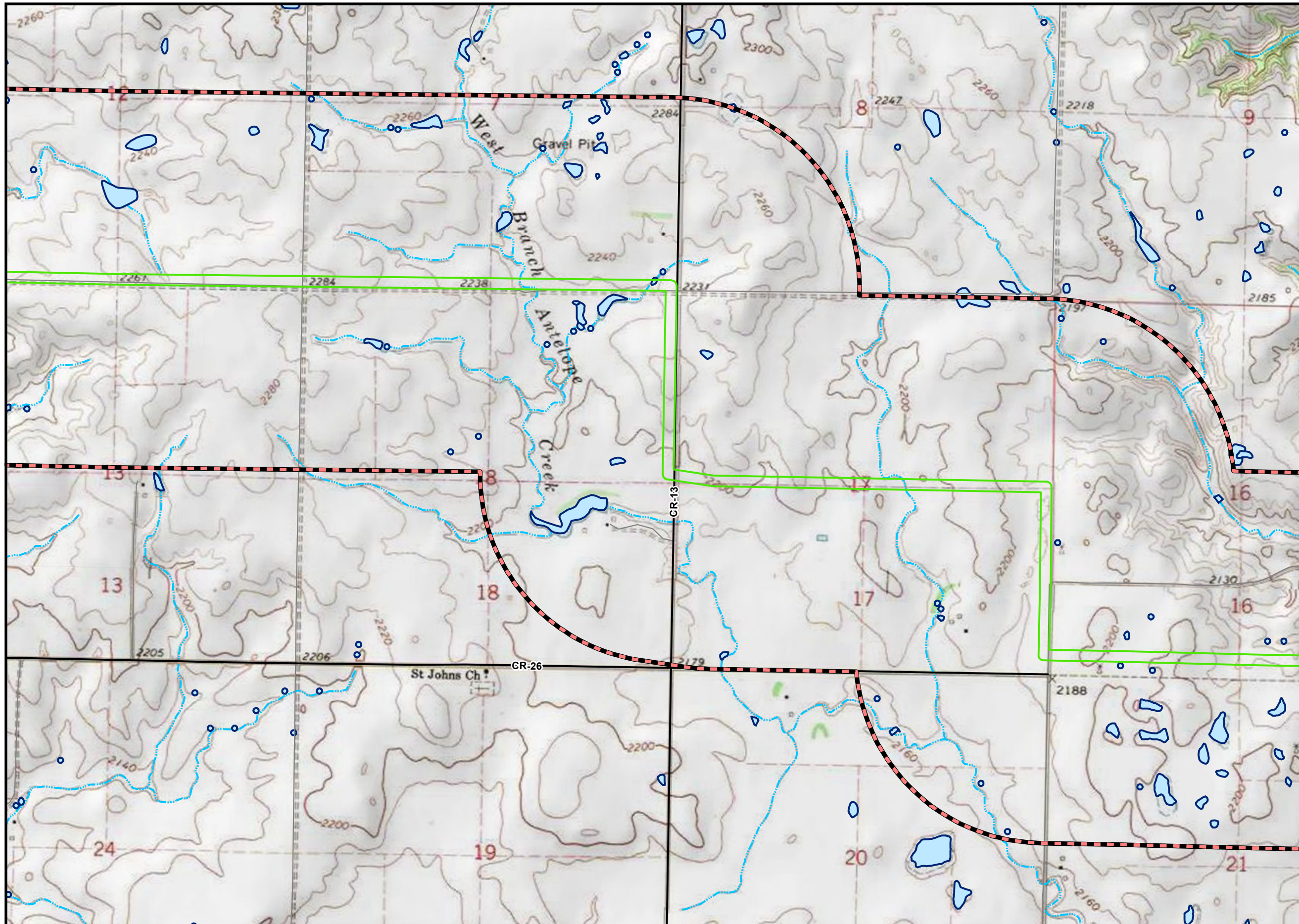


Antelope Hills  
Transmission Line  
Application for North Dakota  
Certificate of  
Site Compatibility

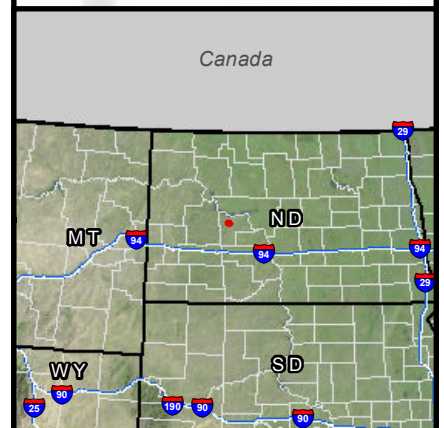
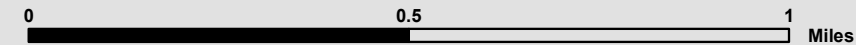
Figure 10-2  
Wetlands and  
Surface Waters

Mercer County, ND  
August 2014

- Proposed Route ROW
- Proposed Corridor
- NWI Wetland
- Intermittent Stream



1:16,000 NAD\_1983\_StatePlane\_North\_Dakota\_South\_FIPS\_3302\_Feet

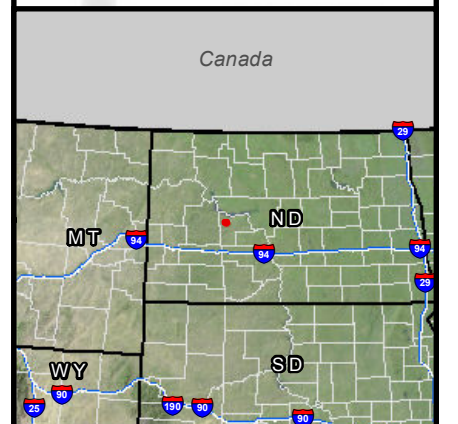
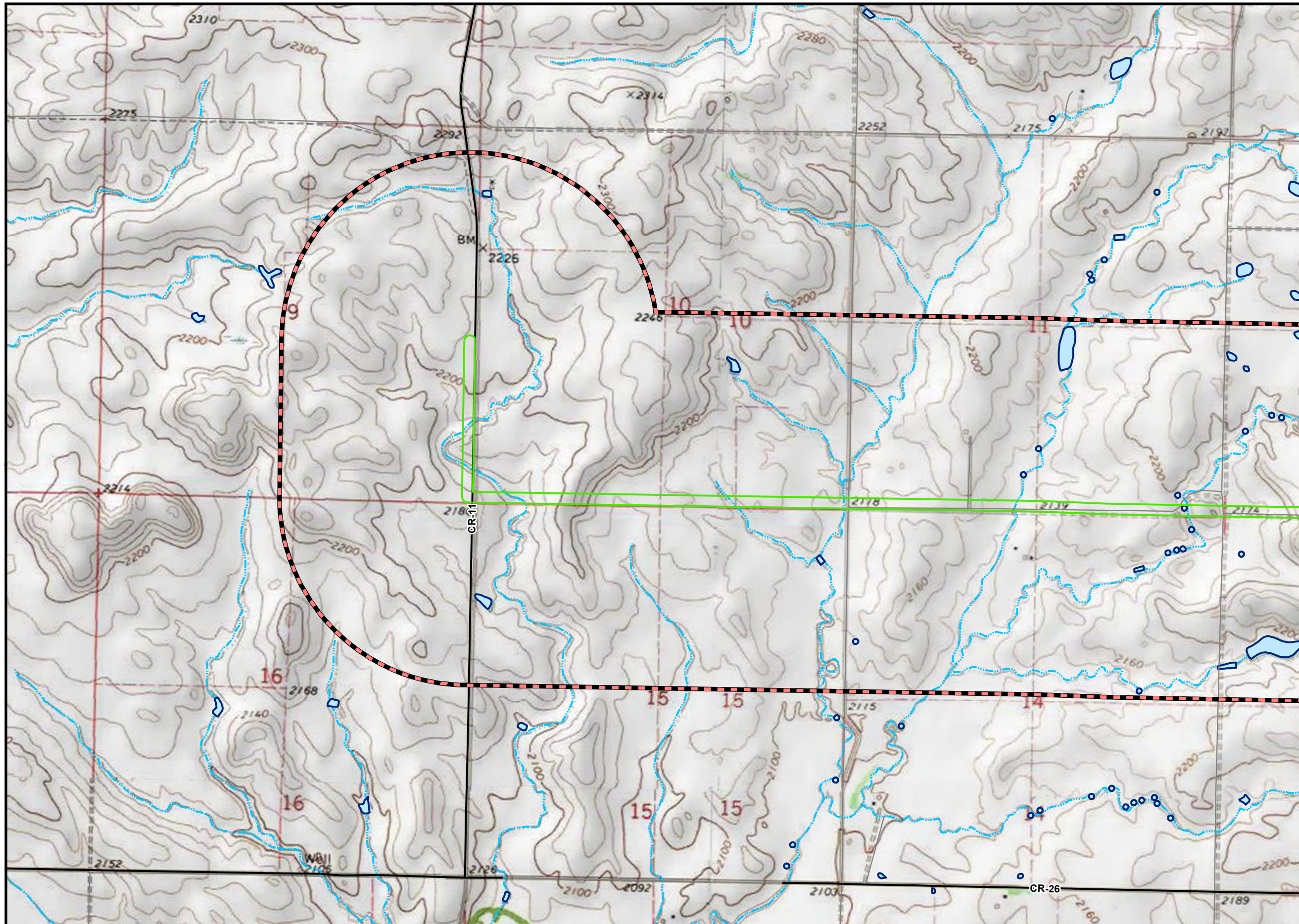


Antelope Hills  
Transmission Line  
Application for North Dakota  
Certificate of  
Site Compatibility

Figure 10-3  
Wetlands and  
Surface Waters

Mercer County, ND  
August 2014

- Proposed Route ROW
- Proposed Corridor
- NWI Wetland

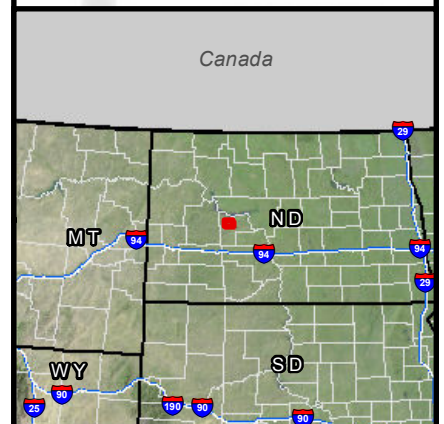
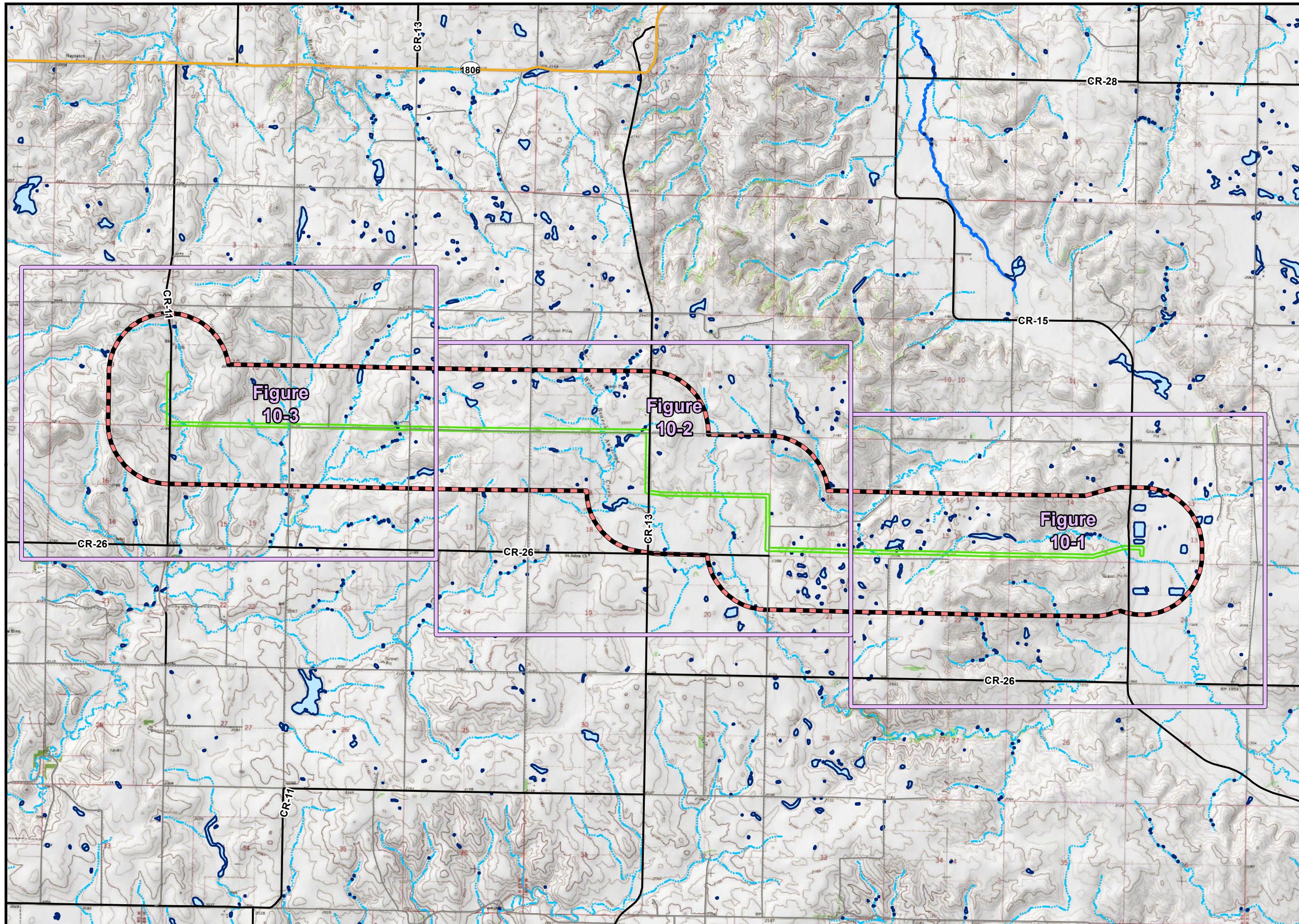


Antelope Hills  
Transmission Line  
Application for North Dakota  
Certificate of  
Site Compatibility

Figure 10  
Wetlands and  
Surface Waters  
Index Map

Mercer County, ND  
August 2014

- Map Grid
- Proposed Route ROW
- Proposed Corridor
- NWI Wetland
- Perennial Stream
- Intermittent Stream

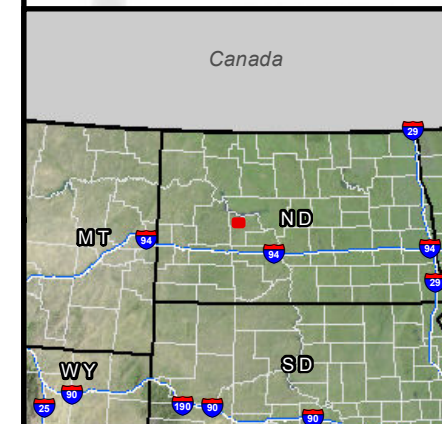
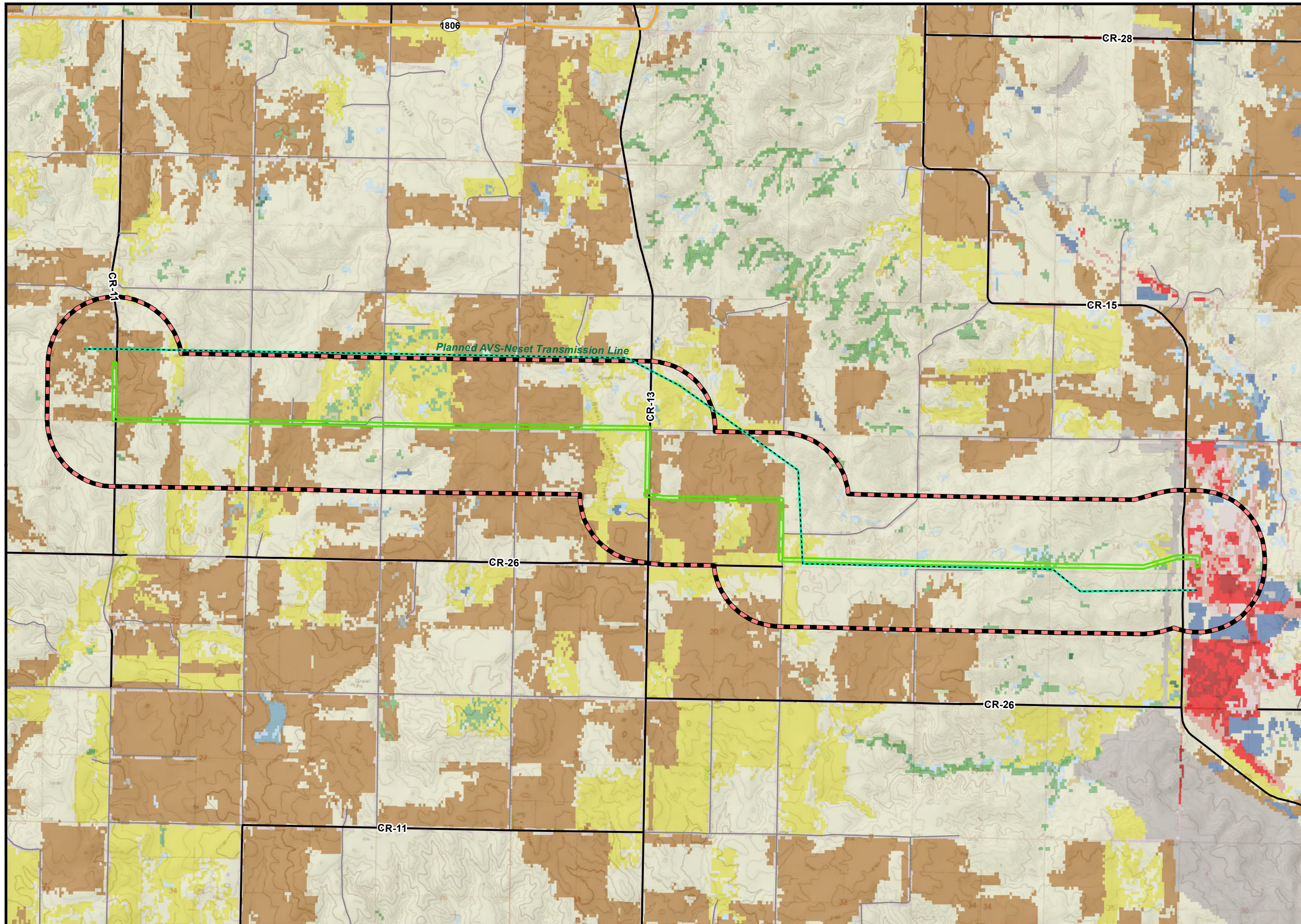


**Antelope Hills  
Transmission Line  
Application for North Dakota  
Certificate of  
Site Compatibility**

**Figure 11  
Land Cover  
Map**

Mercer County, ND  
August 2014

-  Proposed Route ROW
  -  Proposed Corridor
  -  Planned AVS-Neset Transmission Line
- NLCD Land Cover Class
-  Woody Wetlands
  -  Shrub/Scrub
  -  Open Water
  -  Mixed Forest
  -  Hay/Pasture
  -  Grassland/Herbaceous
  -  Evergreen Forest
  -  Emergent Herbaceous Wetlands
  -  Developed, Open Space
  -  Developed, Medium Intensity
  -  Developed, Low Intensity
  -  Developed, High Intensity
  -  Deciduous Forest
  -  Cultivated Crops
  -  Barren Land












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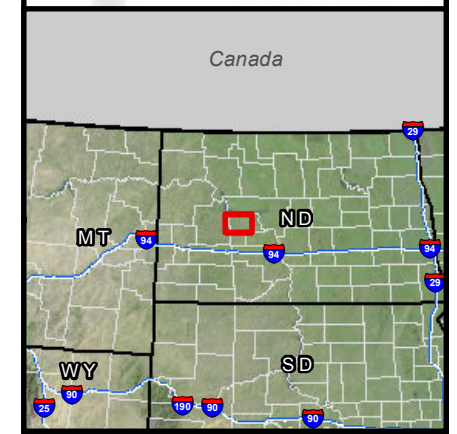
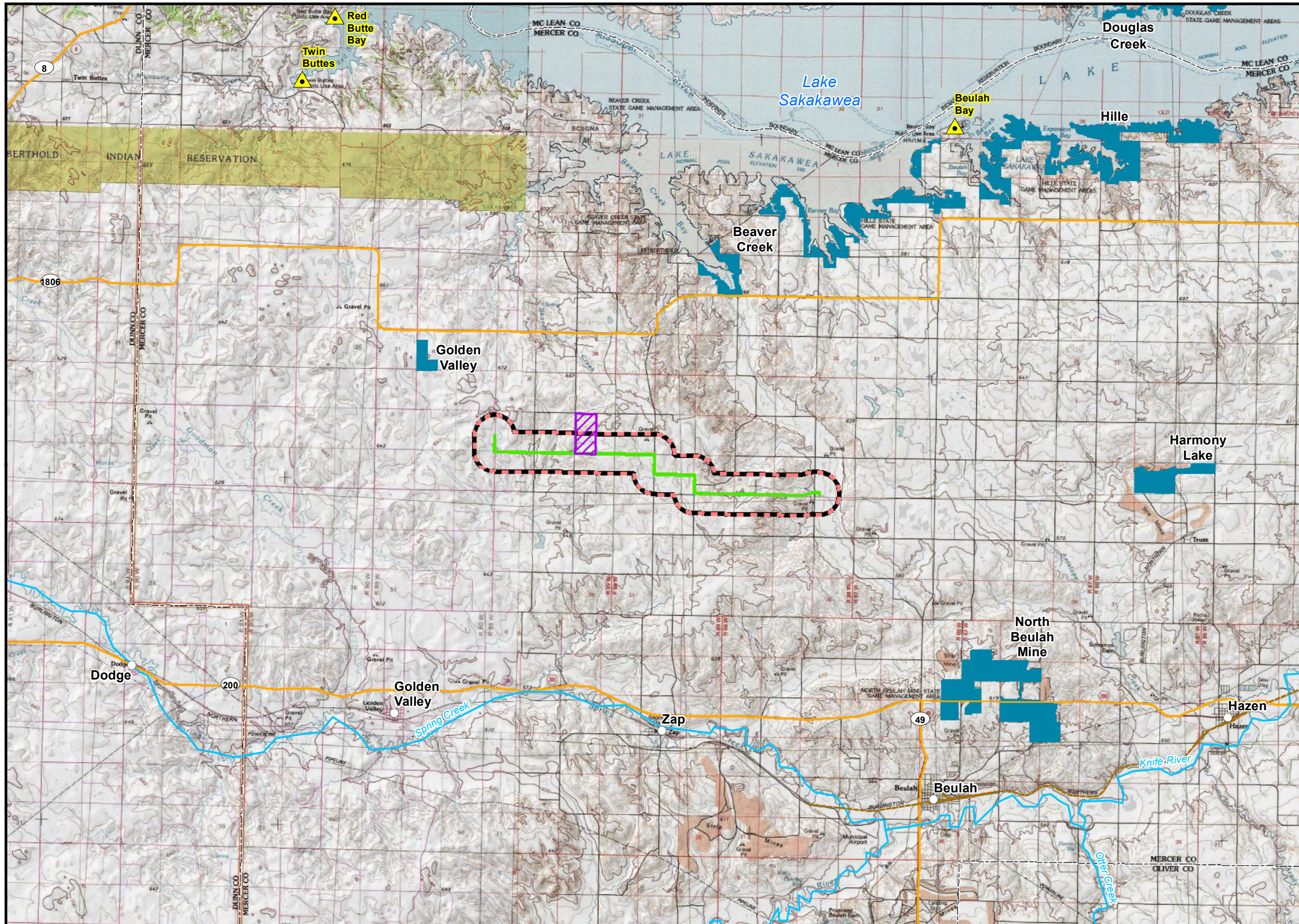


**Antelope Hills  
Transmission Line  
Application for North Dakota  
Certificate of  
Site Compatibility**

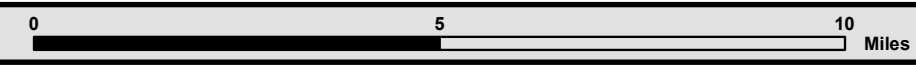
**Figure 12  
Area Recreation  
Resources**

Mercer County, ND  
August 2014

-  Proposed Route ROW
-  Proposed Corridor
-  PLOTS Land
-  Wildlife Management Area
-  Public Use Area
-  County Boundary
-  Railroad
-  Stream or River
-  City/Town



1:150,000 NAD\_1983\_StatePlane\_North\_Dakota\_South\_FIPS\_3302\_Feet



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