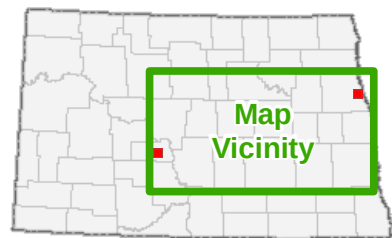
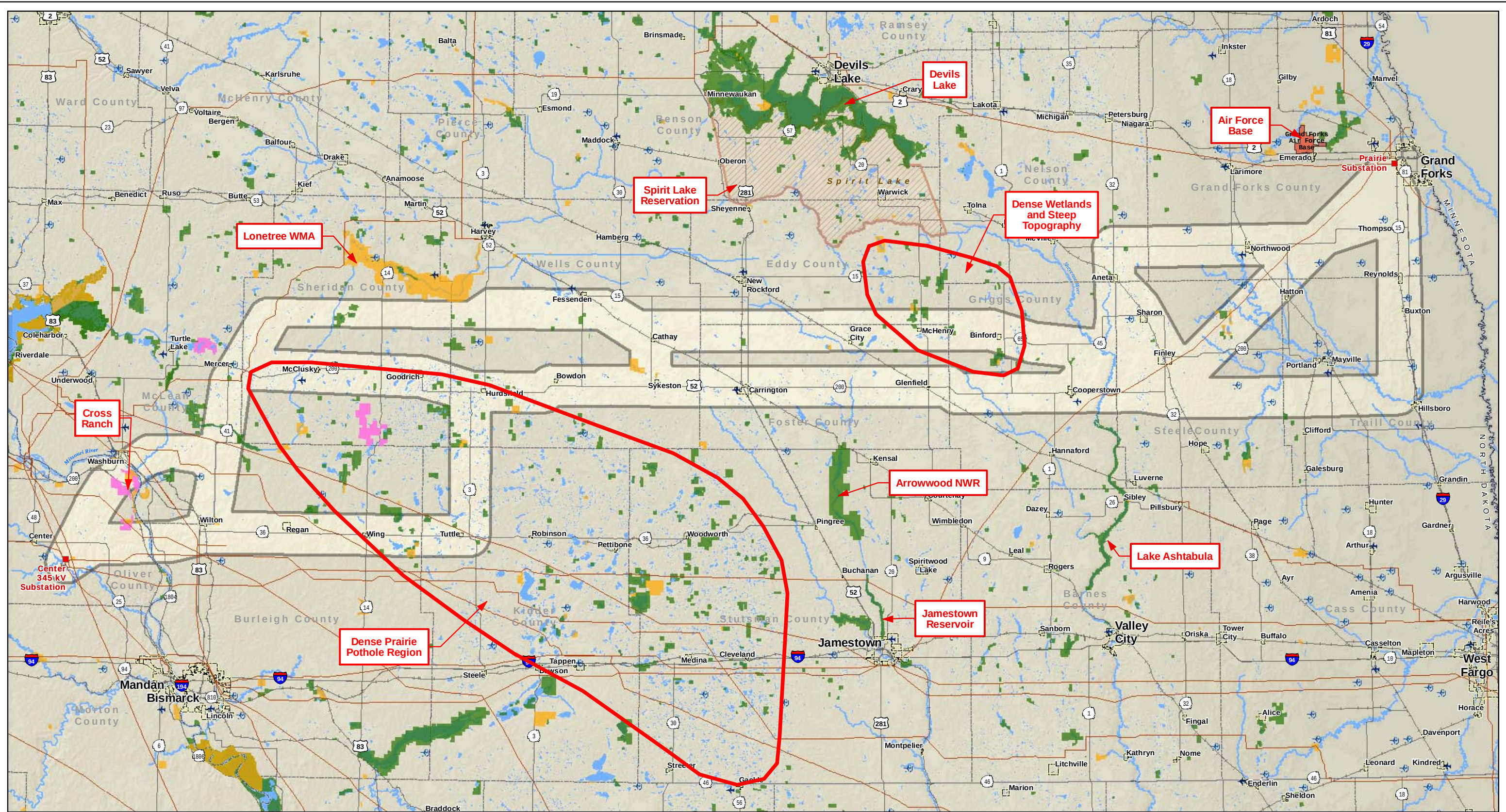


Figures

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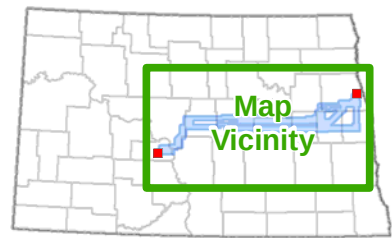
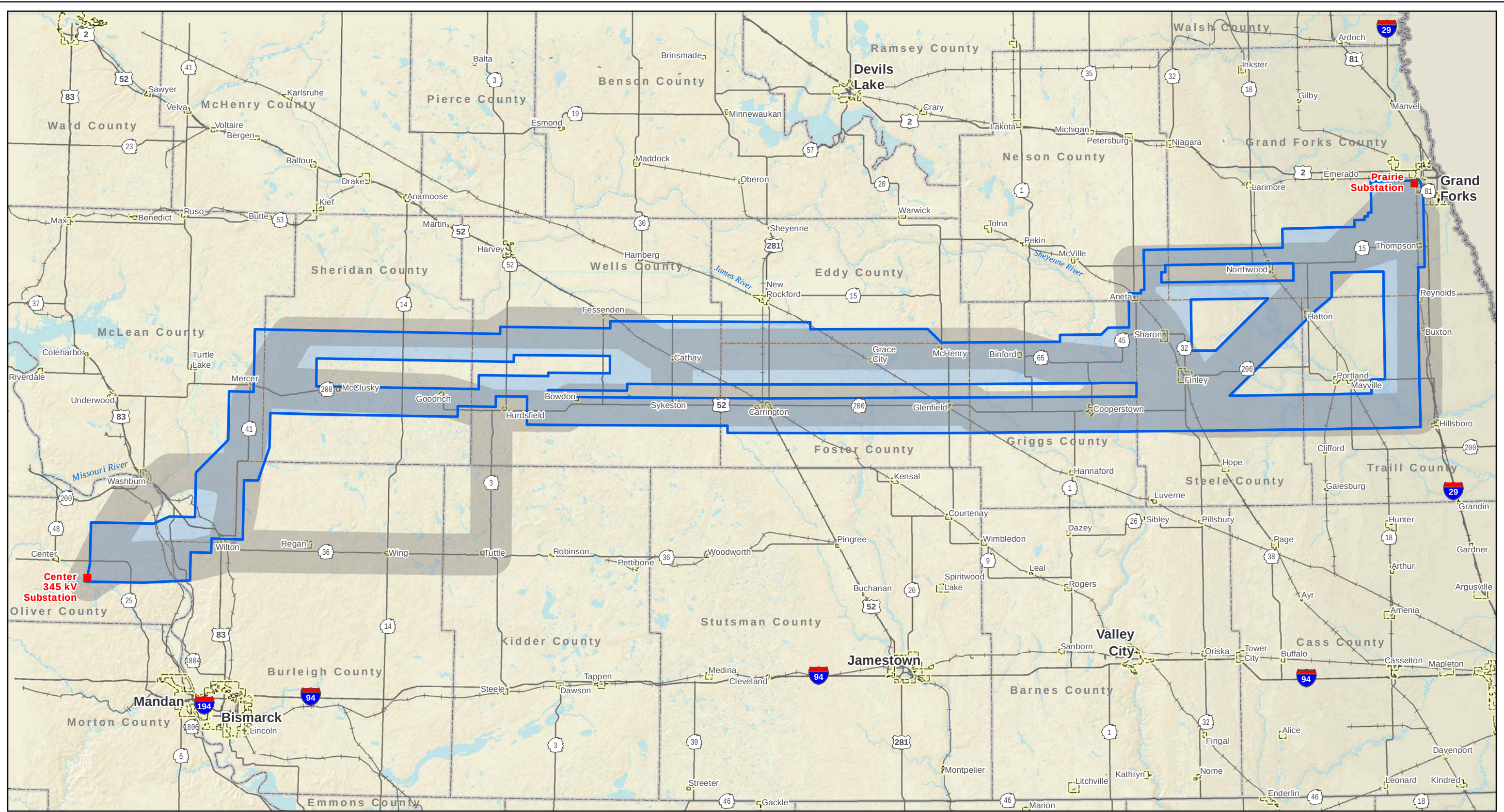
- | | | | |
|-----------------------------|------------------------------|-----------------|------------------------|
| Preliminary Study Corridors | Federal Managed Lands | Public Airport | Incorporated Area |
| Project Substation | State Managed Lands | Private Airport | County Boundary |
| Existing Transmission Lines | The Nature Conservancy Lands | Highway | River, Stream or Canal |
| 230 kV or higher | Tribal Lands | In-Use Railroad | Lake or Pond |

Red map comments are corridor constraints.



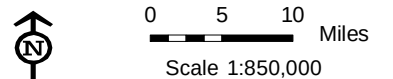
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Scale 1:850,000

Figure 2.3-1
Preliminary Study Corridors
Center to Grand Forks Project
Environmental Assessment

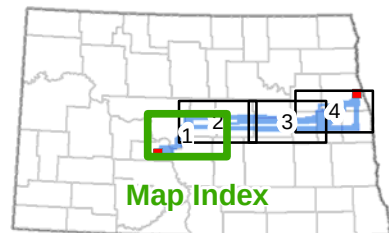
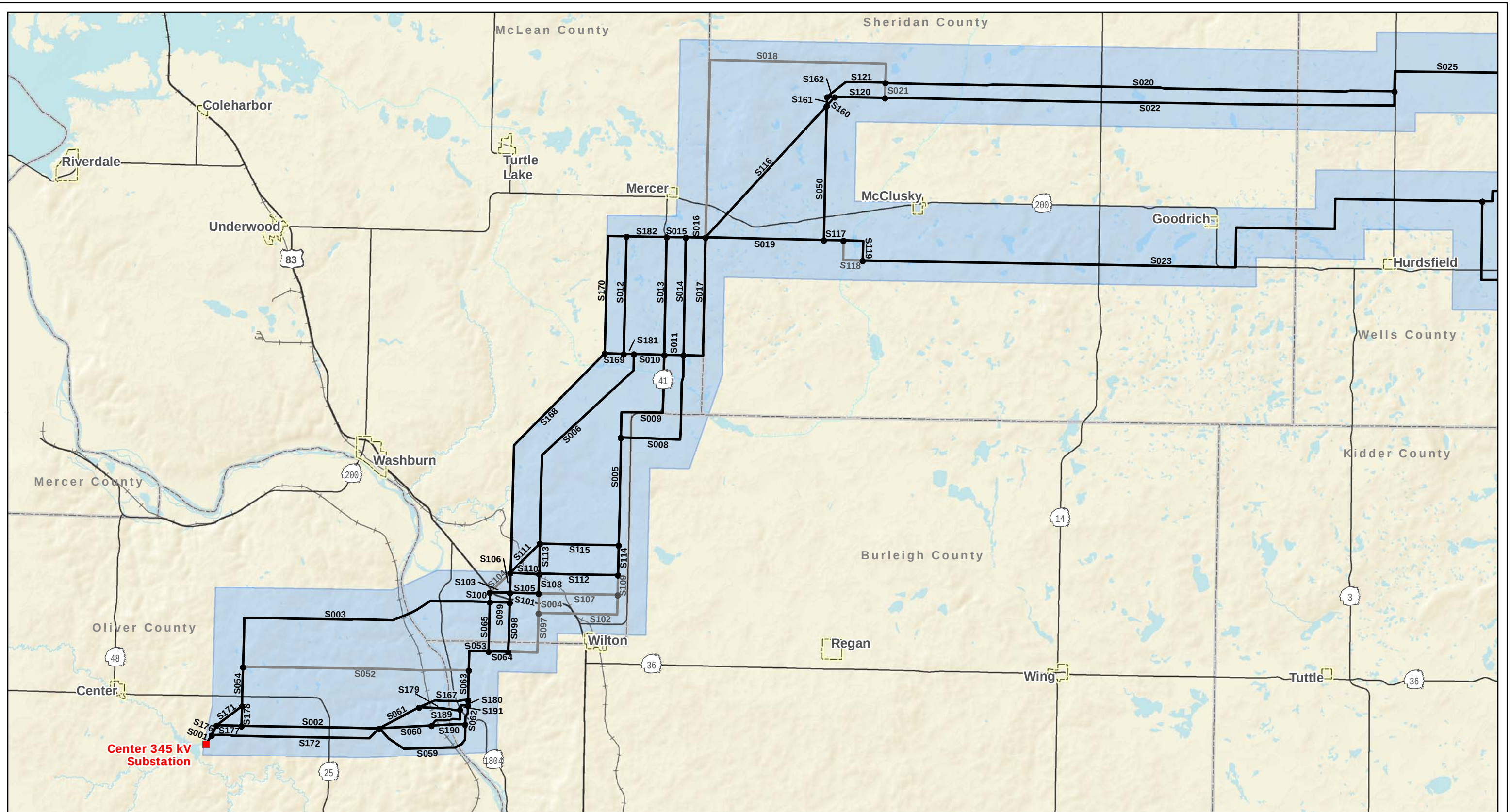


- Macro-Corridors
- Preliminary Study Corridors
- Project Substation

Figure 2.3-2
Preliminary Study Corridors and Macro-Corridors
Center to Grand Forks Project
Environmental Assessment

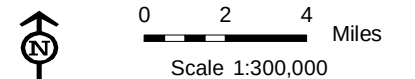


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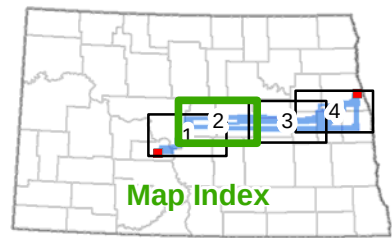
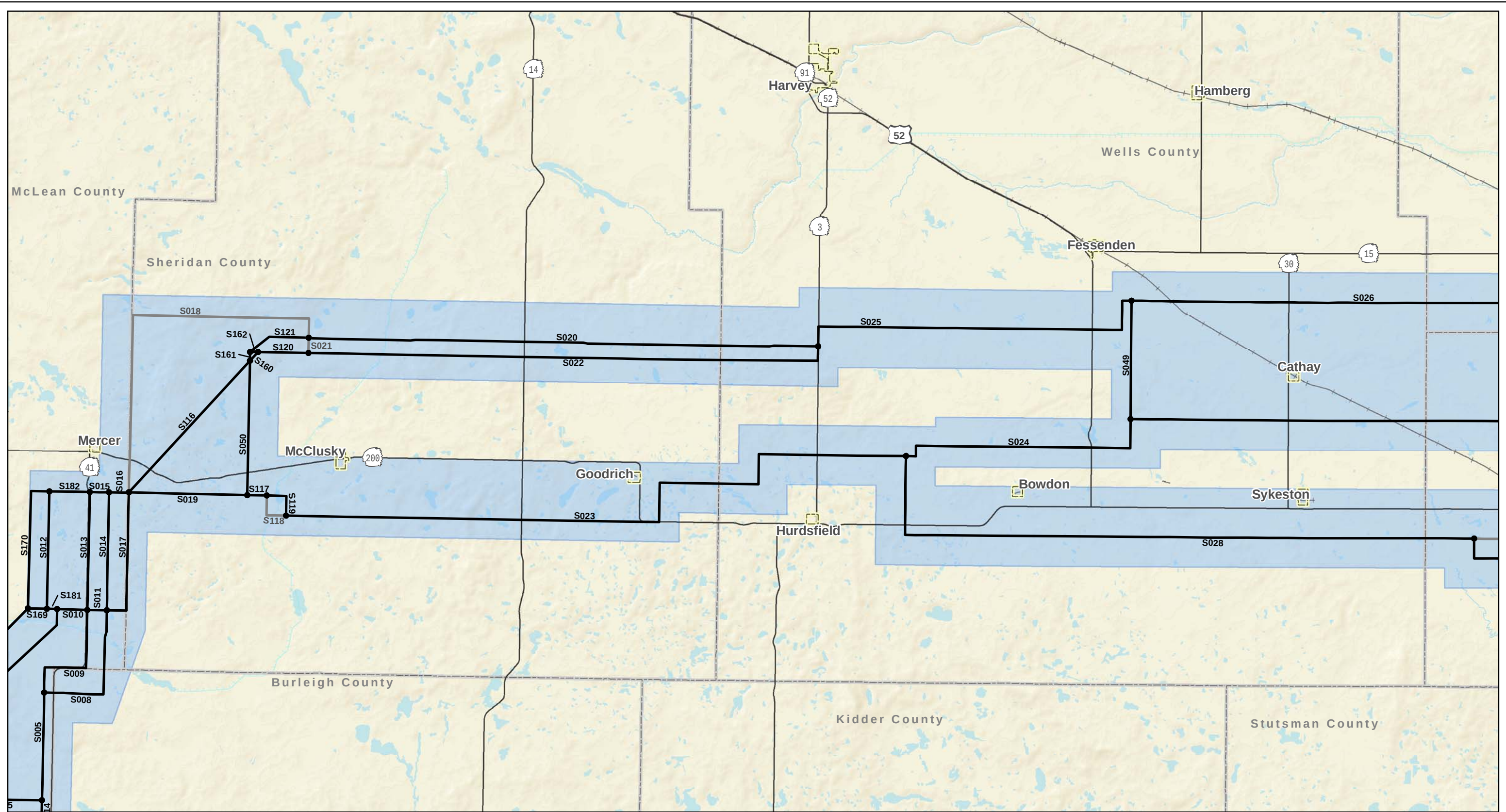


- Proposed Route Segment
- Considered but Eliminated Segment
- Segment Endpoint
- Macro-Corridors
- Project Substation

Figure 2.4-1: Page 1 of 4
Macro-Corridors and Proposed Route Segments
Center to Grand Forks Project
Environmental Assessment



Map Document: (\\MapServer\gis\proj\Minikrat\10900\map_docs\EA\CGFEA_2-4-1_11x17L_4pg_MacroCorrPropSegs.mxd)
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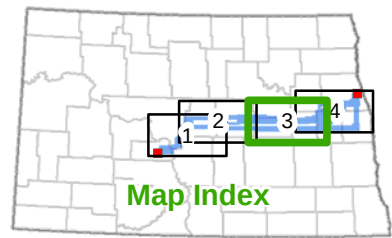
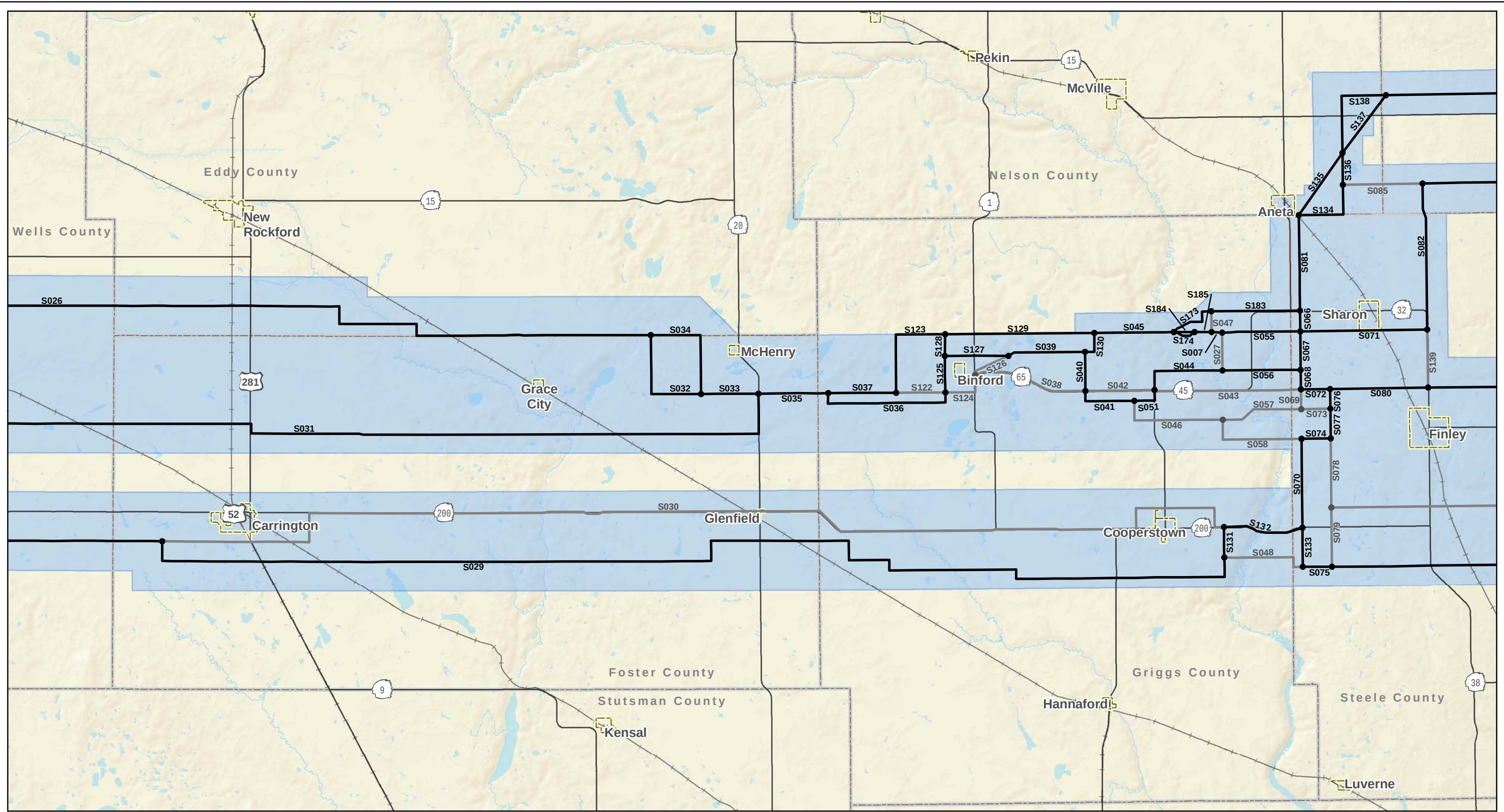


- Proposed Route Segment
- Considered but Eliminated Segment
- Segment Endpoint
- Macro-Corridors
- Project Substation

Figure 2.4-1: Page 2 of 4
Macro-Corridors and Proposed Route Segments
Center to Grand Forks Project
Environmental Assessment

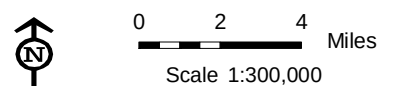
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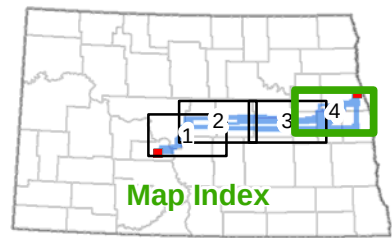
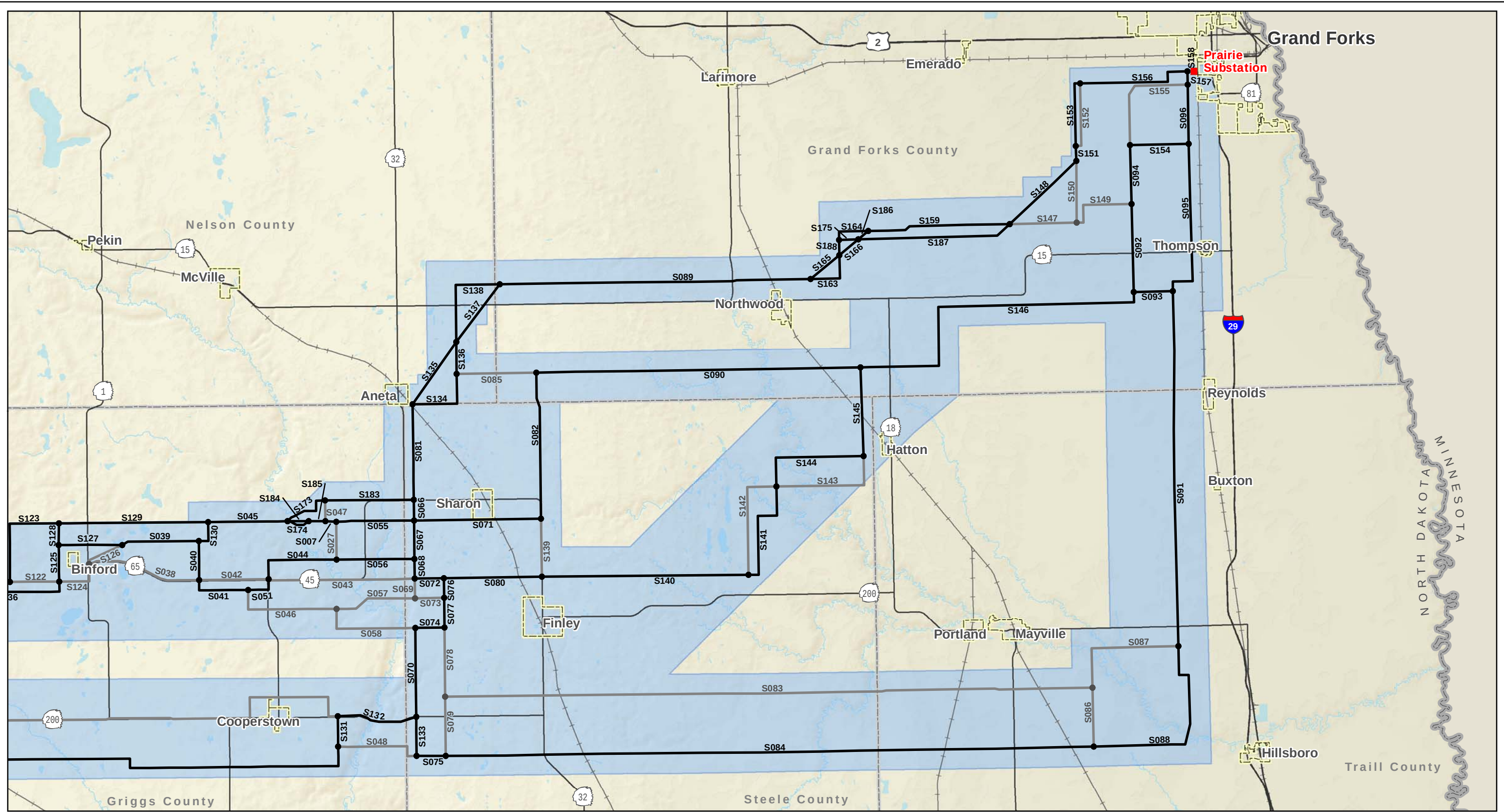


- Proposed Route Segment
- Considered but Eliminated Segment
- Segment Endpoint
- Macro-Corridors
- Project Substation

Figure 2.4-1: Page 3 of 4
Macro-Corridors and Proposed Route Segments
Center to Grand Forks Project
Environmental Assessment

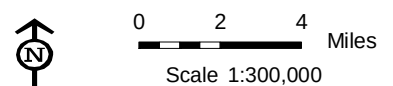


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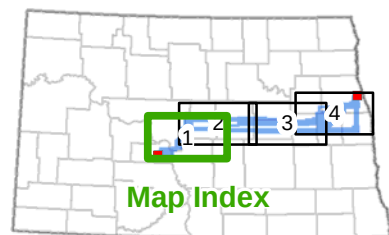
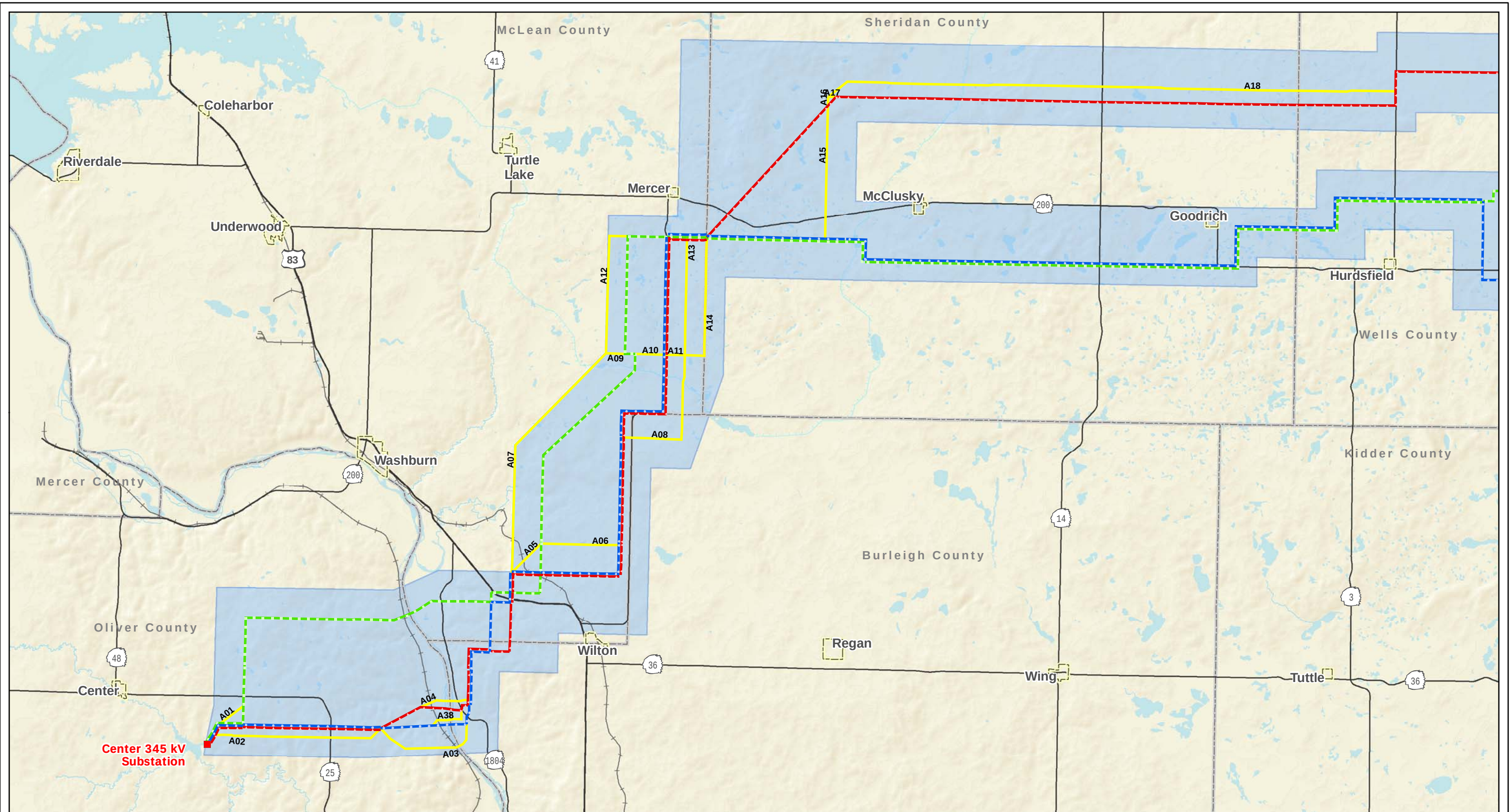


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|-----------------------------------|--------------------|
| Proposed Route Segment | Macro-Corridors |
| Considered but Eliminated Segment | Project Substation |
| Segment Endpoint | |

Figure 2.4-1: Page 4 of 4
Macro-Corridors and Proposed Route Segments
Center to Grand Forks Project
Environmental Assessment

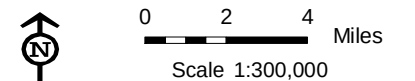


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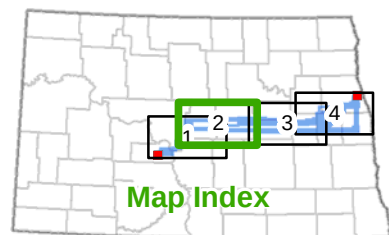
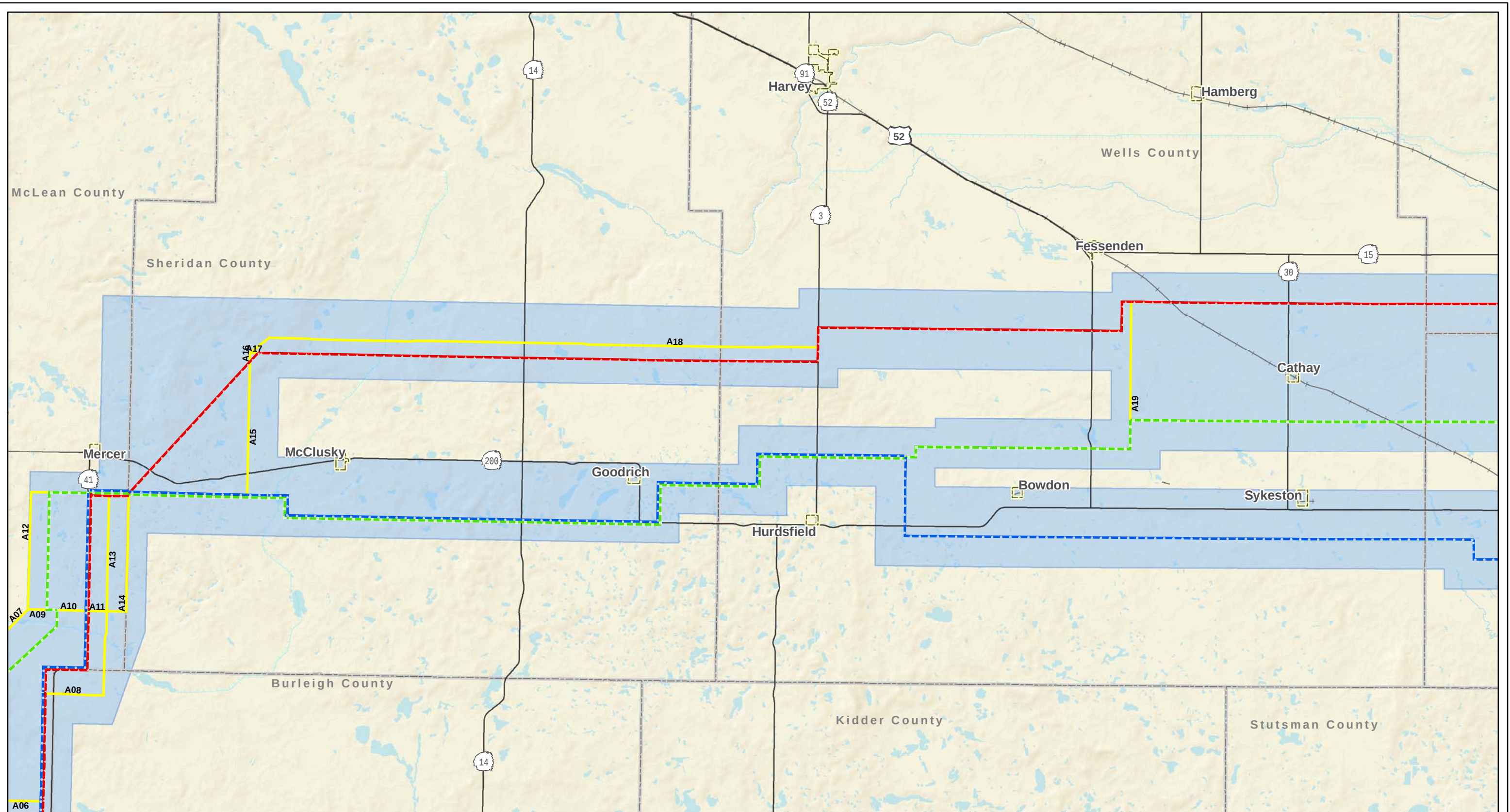


- Route A
- Route B
- Route C
- Segment Alternative
- Macro-Corridors
- Project Substation

Figure 2.4-2: Page 1 of 4
Proposed Routes and Segment Alternatives
Center to Grand Forks Project
Environmental Assessment

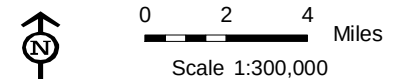


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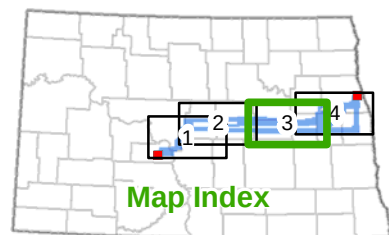
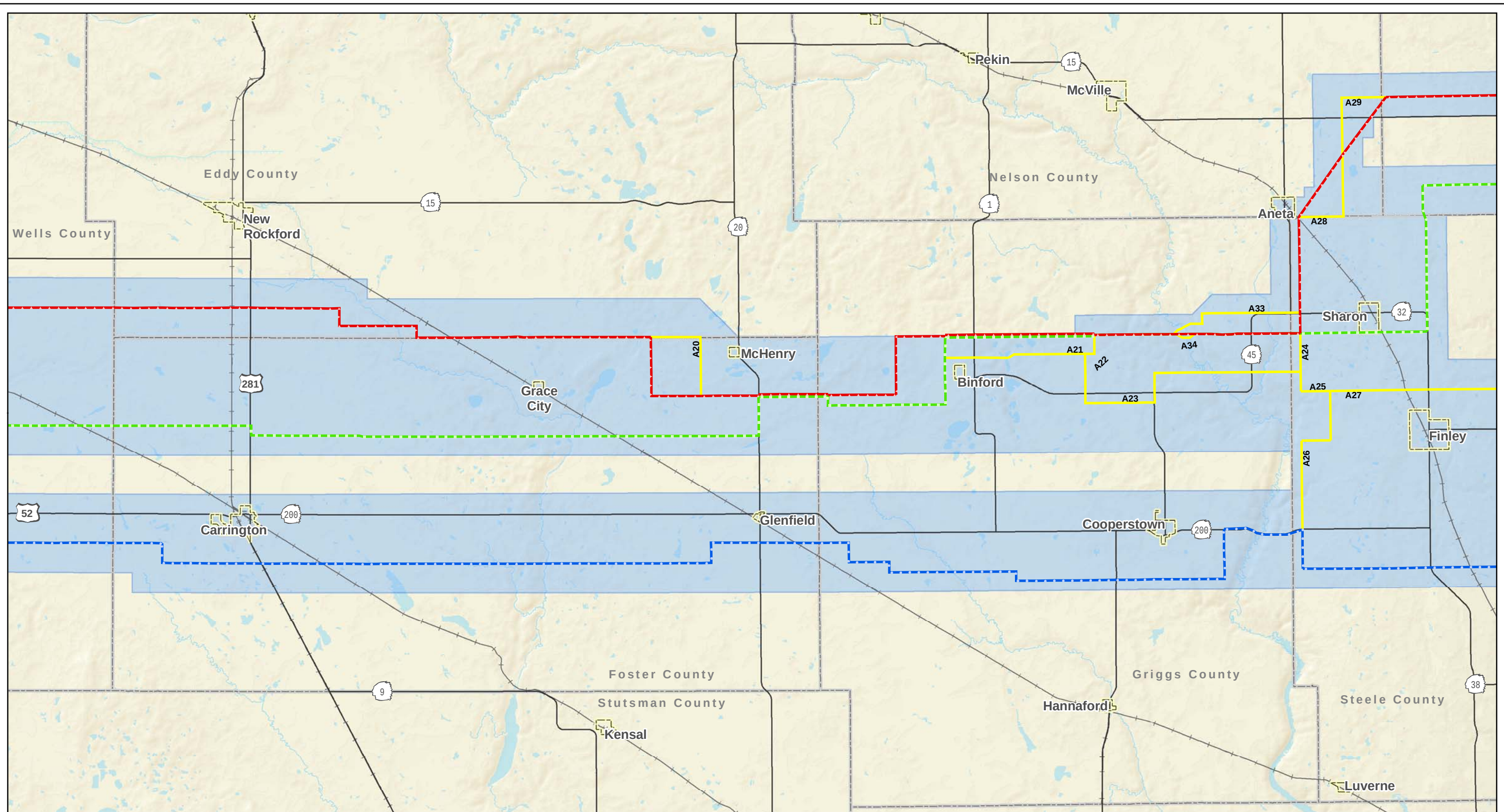


- Route A
- Route B
- Route C
- Segment Alternative
- Macro-Corridors
- Project Substation

Figure 2.4-2: Page 2 of 4
Proposed Routes and Segment Alternatives
Center to Grand Forks Project
Environmental Assessment

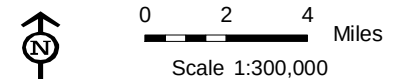


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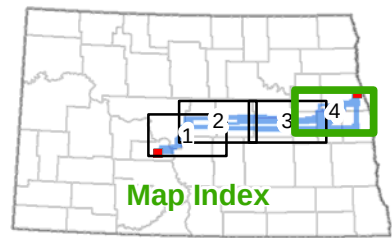
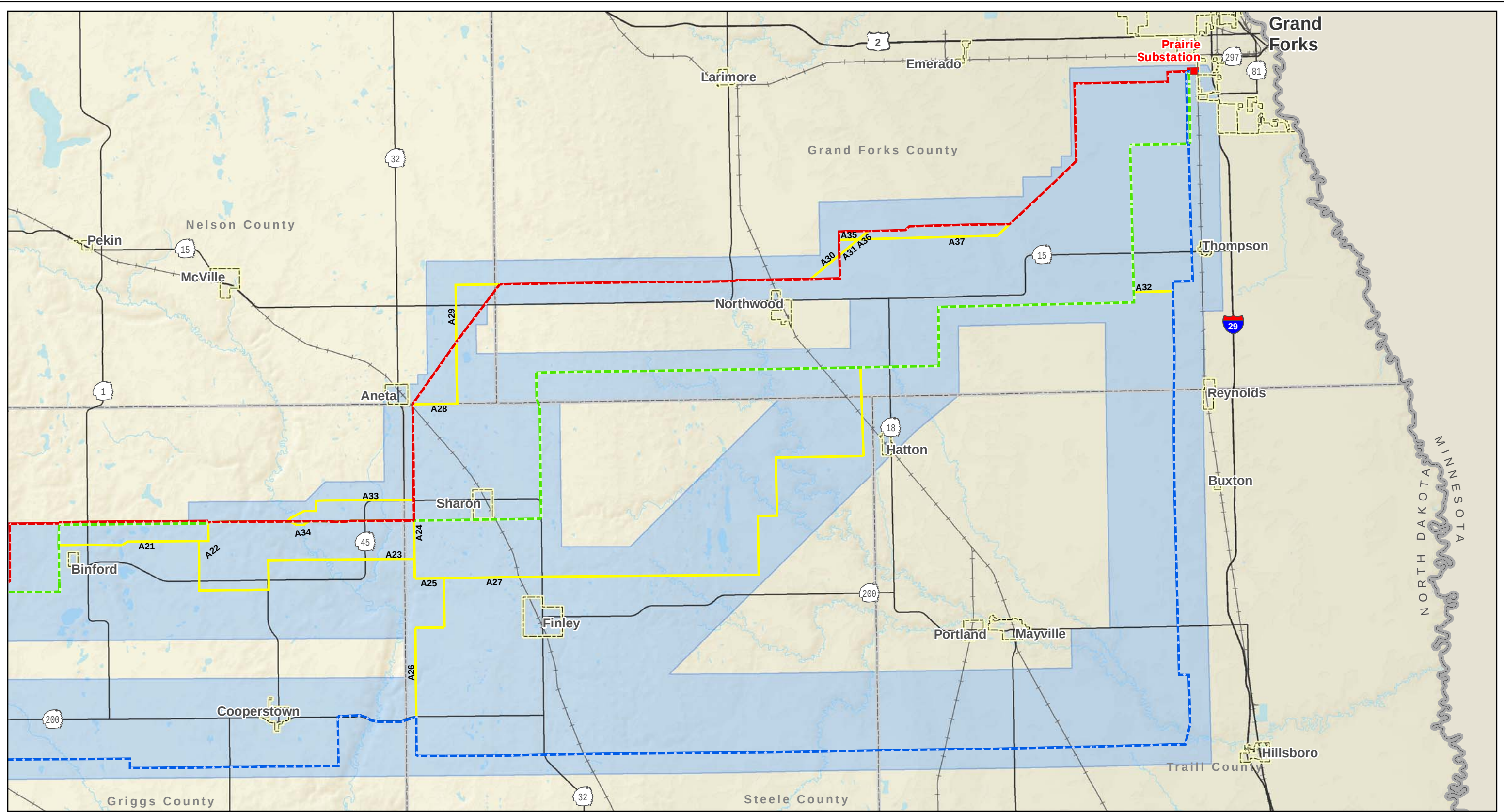


- Route A
- Route B
- Route C
- Segment Alternative
- Macro-Corridors
- Project Substation

Figure 2.4-2: Page 3 of 4
Proposed Routes and Segment Alternatives
Center to Grand Forks Project
Environmental Assessment

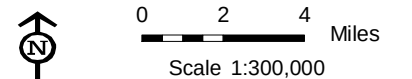


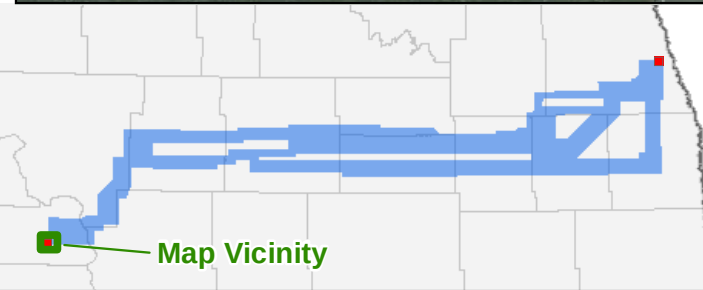
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- Route A
- Route B
- Route C
- Segment Alternative
- Macro-Corridors
- Project Substation

Figure 2.4-2: Page 4 of 4
Proposed Routes and Segment Alternatives
Center to Grand Forks Project
Environmental Assessment





Proposed Routes

-  Routes A, B and C
-  230 kV Tie Line Route
-  Macro-Corridors
-  Substation

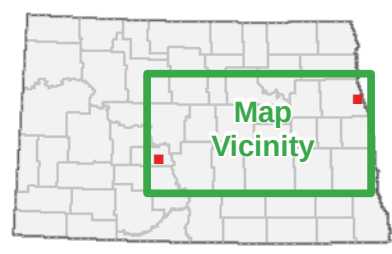
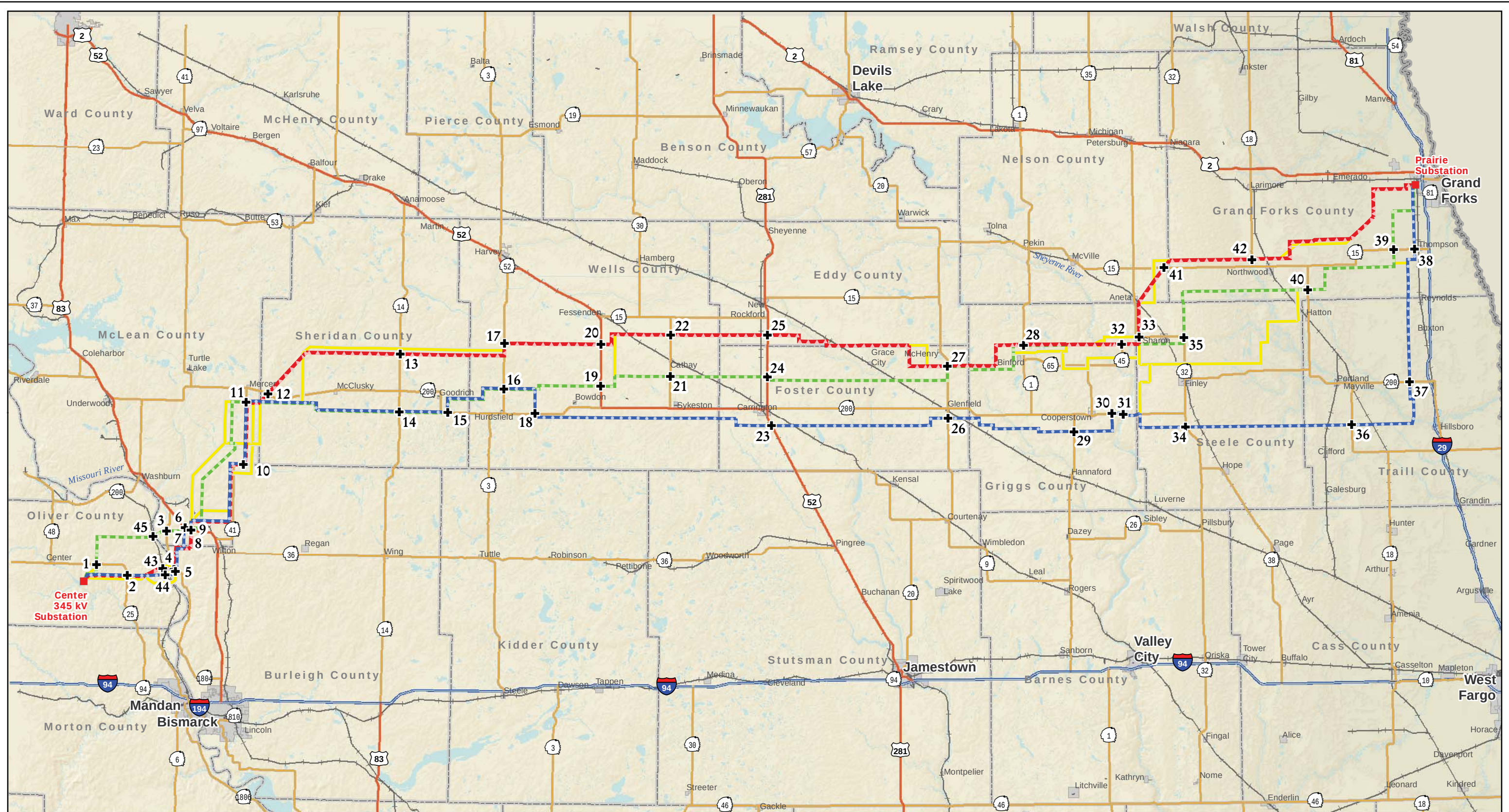
Existing Transmission Lines

- 345 kV AC
- 250 kV DC
- 230 kV AC
- 41.6 kV AC



0 200 400 Feet
Scale 1:5,000

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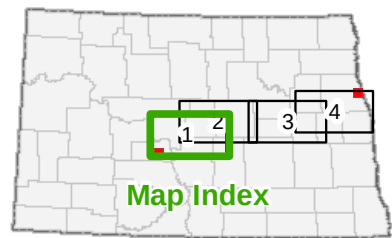
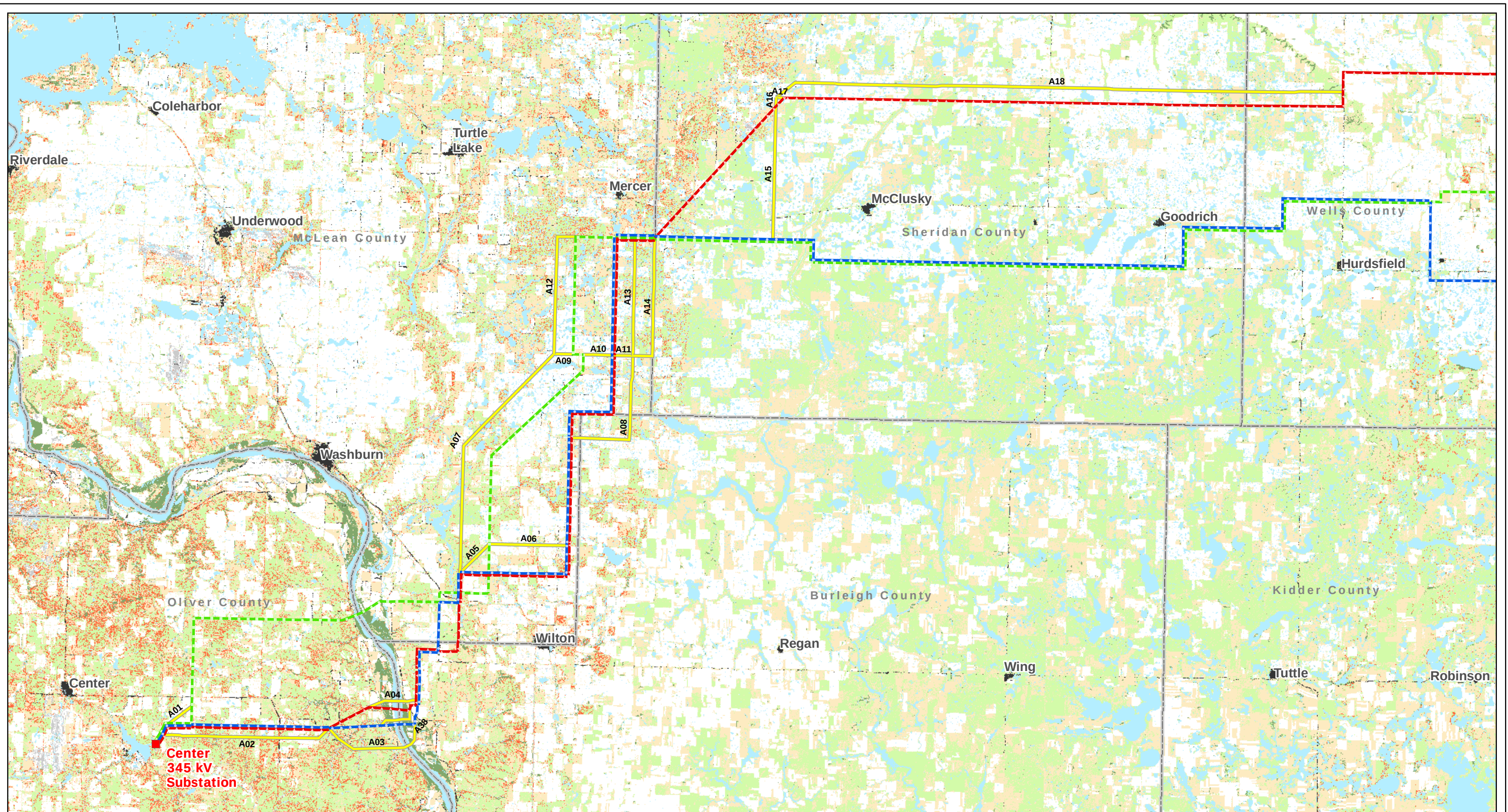


- | | | | | | |
|---|--------------------|--|---------------------|--|-----------------|
| + | Highway Crossing | | Route A | | Interstate |
| ■ | Project Substation | | Route B | | US Highway |
| | | | Route C | | State Highway |
| | | | Segment Alternative | | In-Use Railroad |

Figure 3.1-1
Highway Crossings
Center to Grand Forks Project
Environmental Assessment

0 5 10 Miles
Scale 1:850,000

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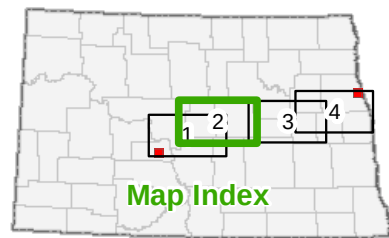
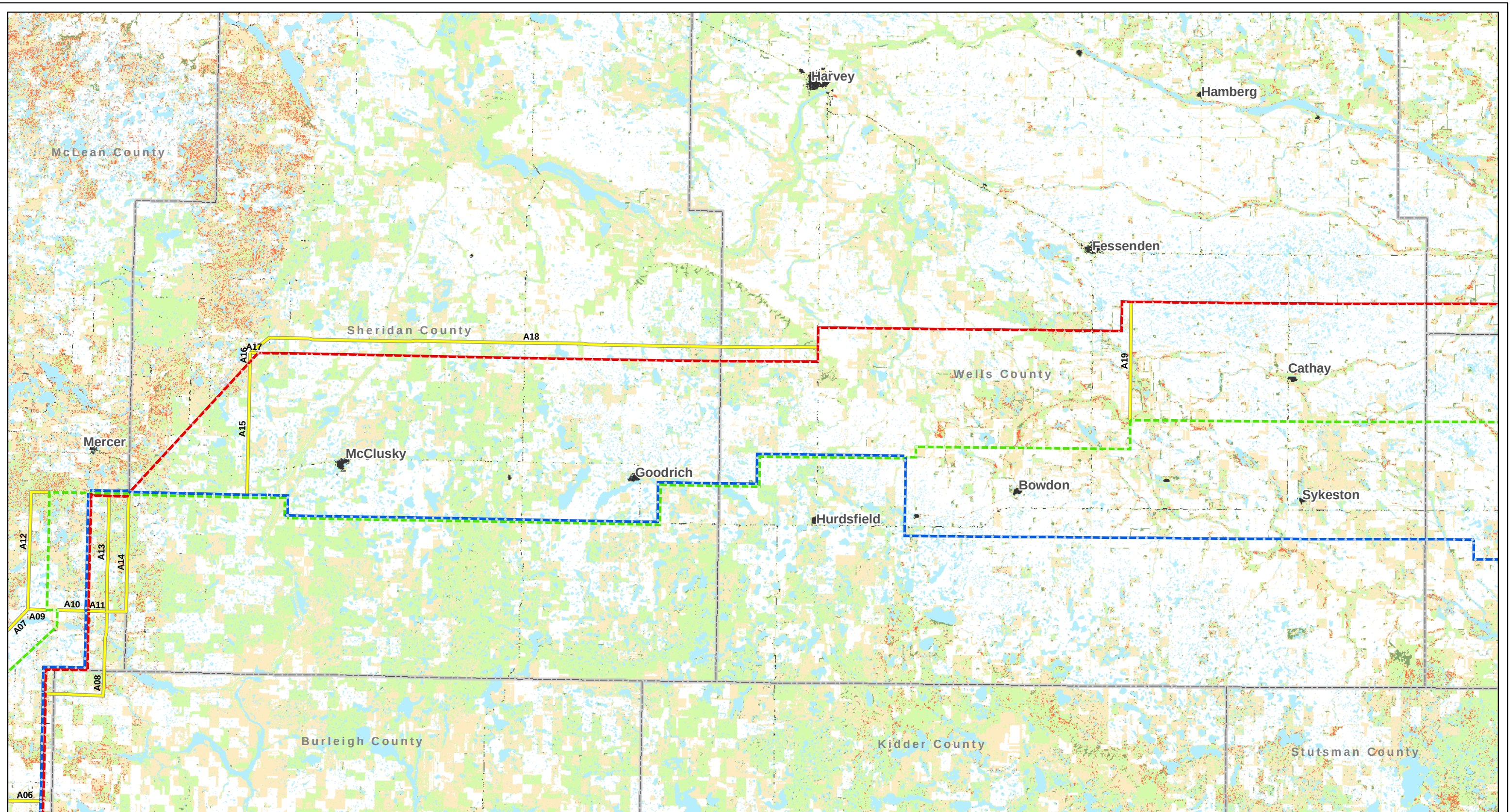
- Route A
- Route B
- Route C
- Segment Alternative
- Project Substation

- 2004 GAP Land Cover**
- Barren/Sparse Vegetation
 - Cropland
 - Developed
 - Pasture

- Prairie
- Shrubland
- Wetland
- Woodland

Figure 3.2-1: Page 1 of 4
Land Use
Center to Grand Forks Project
Environmental Assessment

0 2 4 Miles
Scale 1:300,000

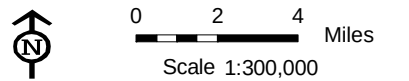


- Route A
- Route B
- Route C
- Segment Alternative
- Project Substation

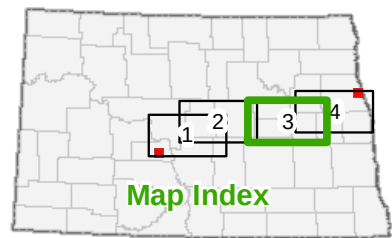
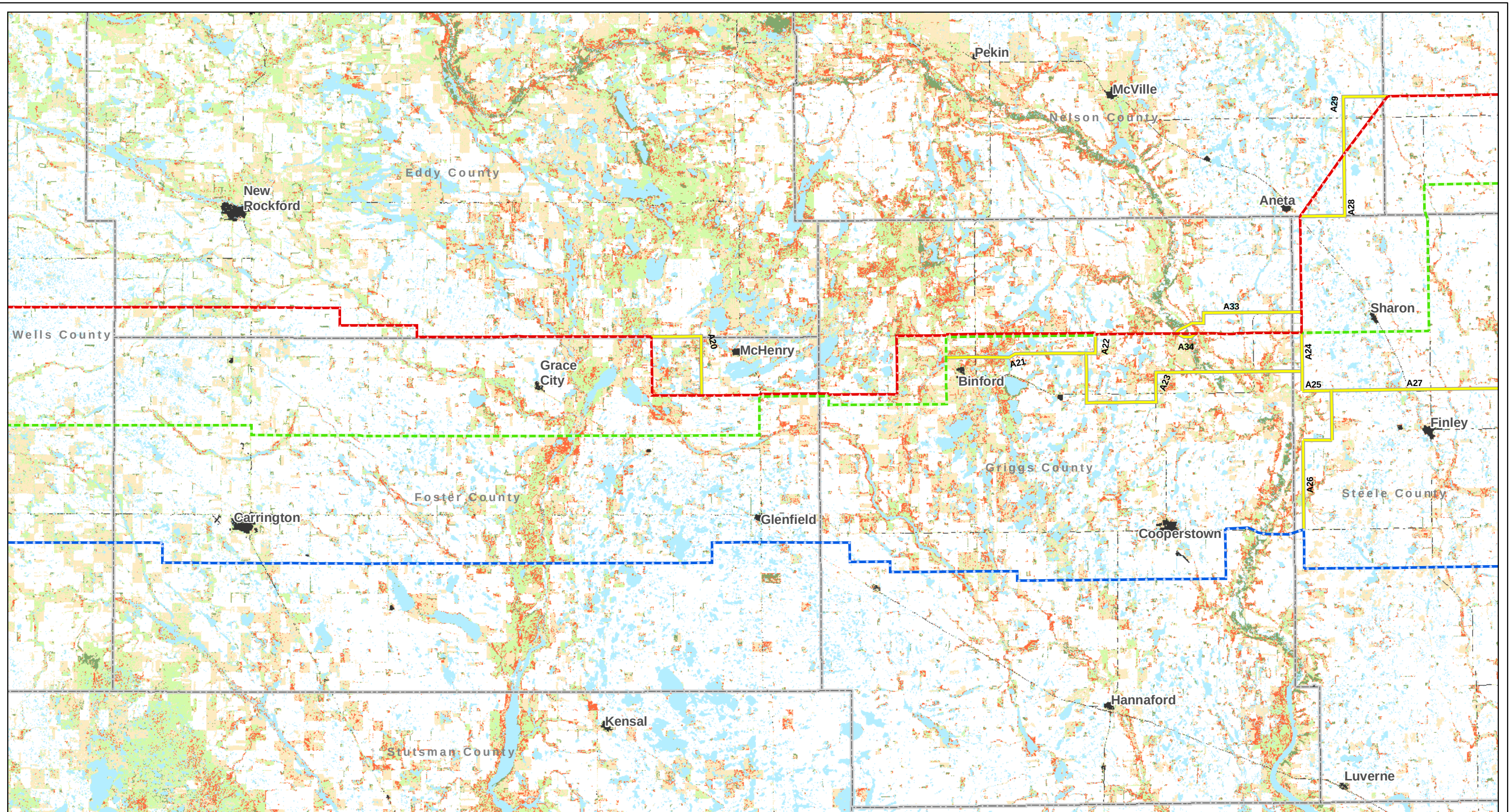
- 2004 GAP Land Cover**
- Barren/Sparse Vegetation
 - Cropland
 - Developed
 - Pasture

- Prairie
- Shrubland
- Wetland
- Woodland

Figure 3.2-1: Page 2 of 4
Land Use
Center to Grand Forks Project
Environmental Assessment



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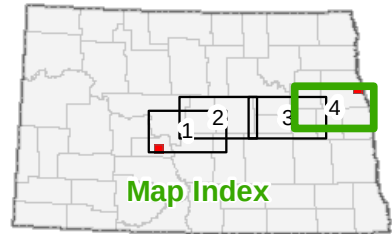
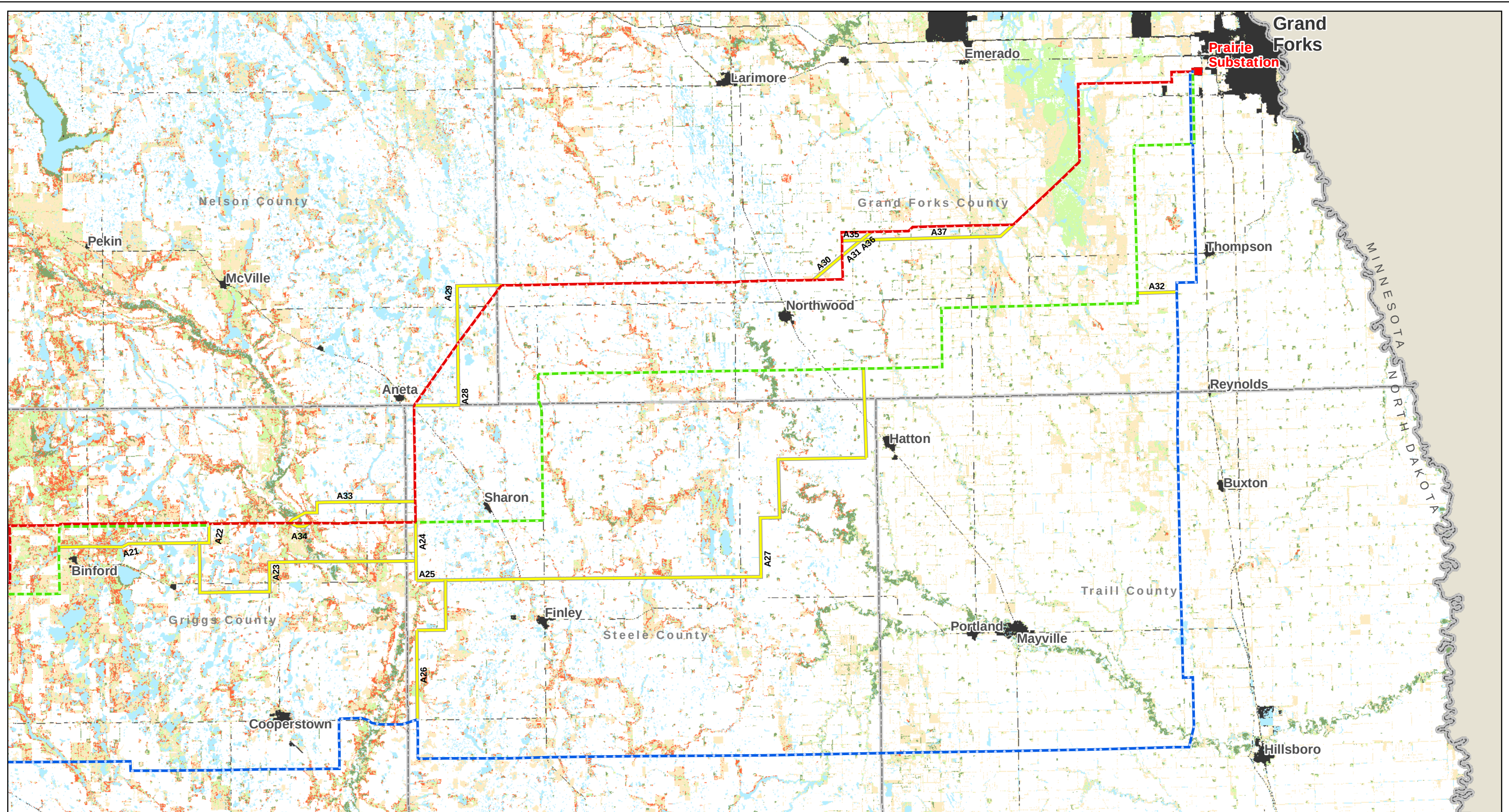
Map Index

- | | | |
|---------------------|---------------------|-----------|
| Route A | 2004 GAP Land Cover | Prairie |
| Route B | Cropland | Shrubland |
| Route C | Developed | Wetland |
| Segment Alternative | Pasture | Woodland |
| Project Substation | | |

Figure 3.2-1: Page 3 of 4
Land Use
Center to Grand Forks Project
Environmental Assessment

0 2 4 Miles
Scale 1:300,000

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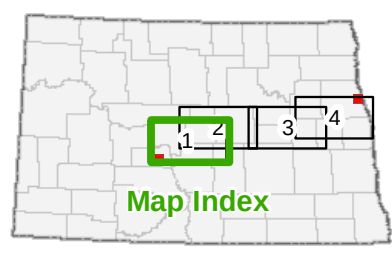
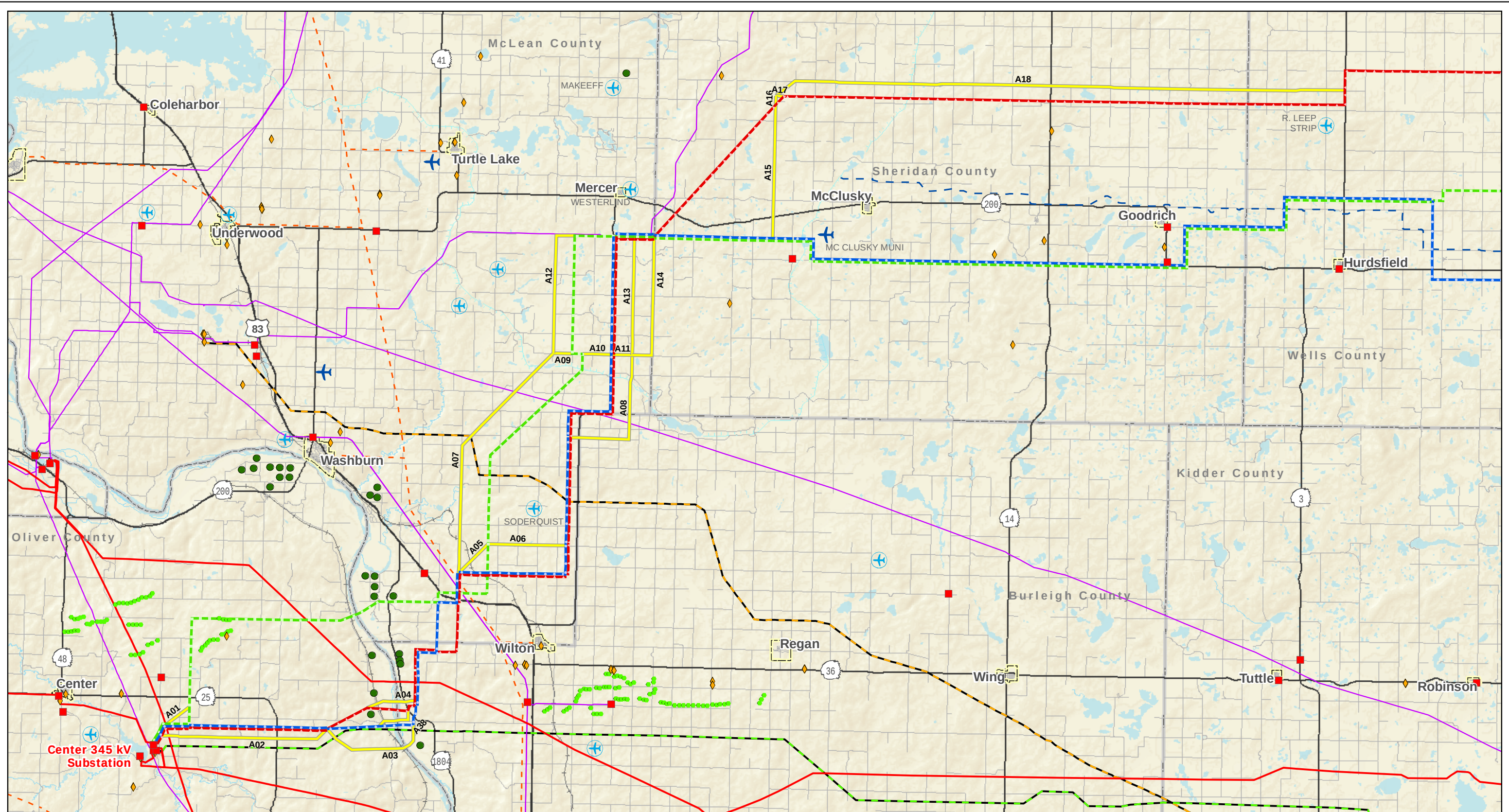


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Figure 3.2-1: Page 4 of 4
Land Use
Center to Grand Forks Project
Environmental Assessment

0 2 4 Miles
Scale 1:300,000

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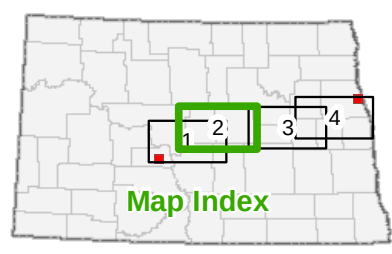
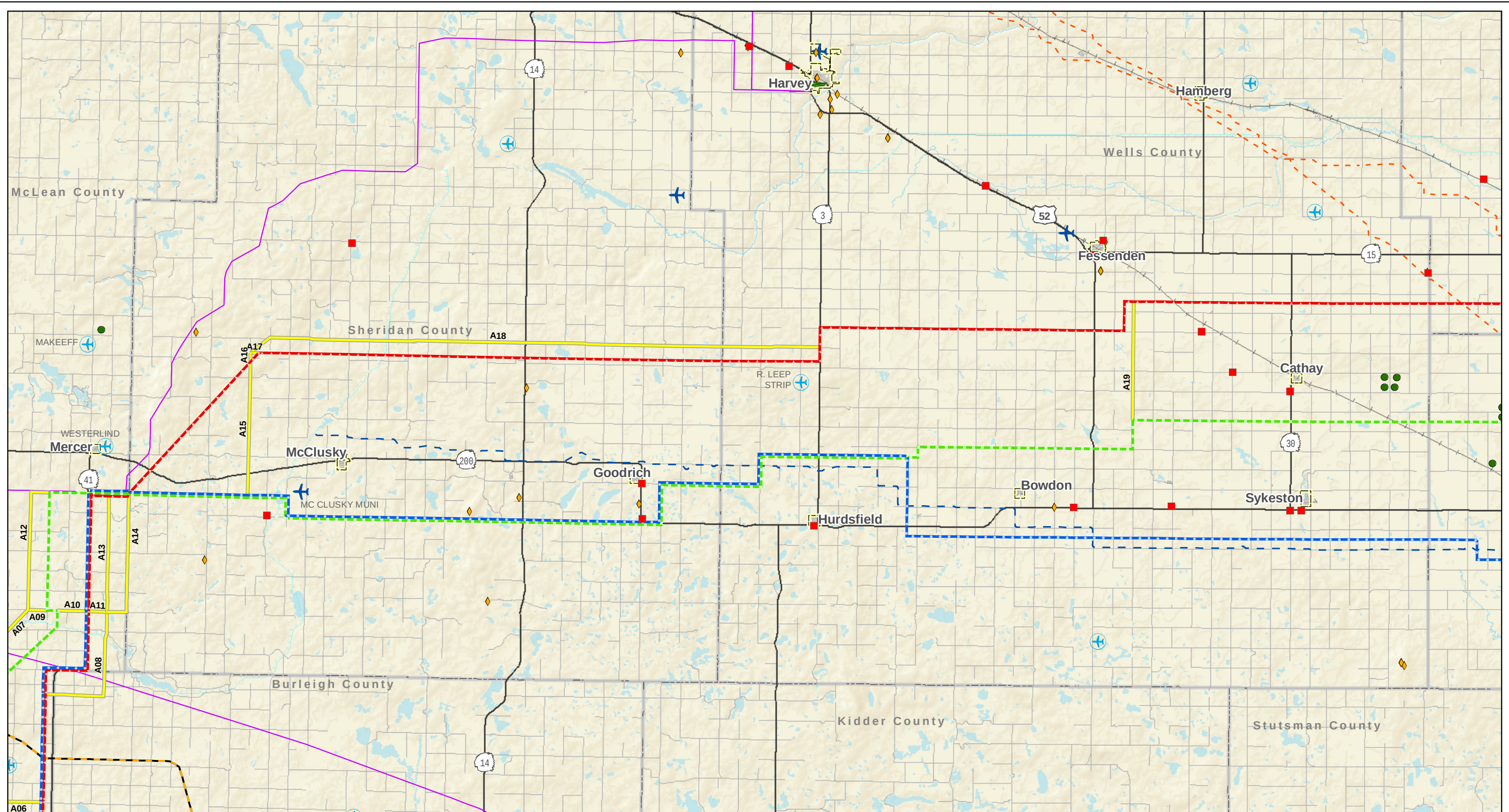


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|--|--|---|--|--|

Figure 3.2-2: Page 1 of 4
Existing Infrastructure
Center to Grand Forks Project
Environmental Assessment

0 2 4 Miles
Scale 1:300,000

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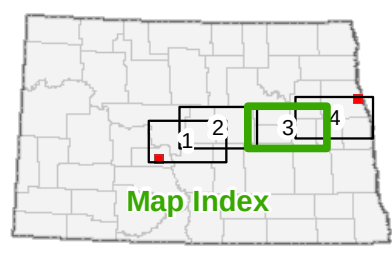
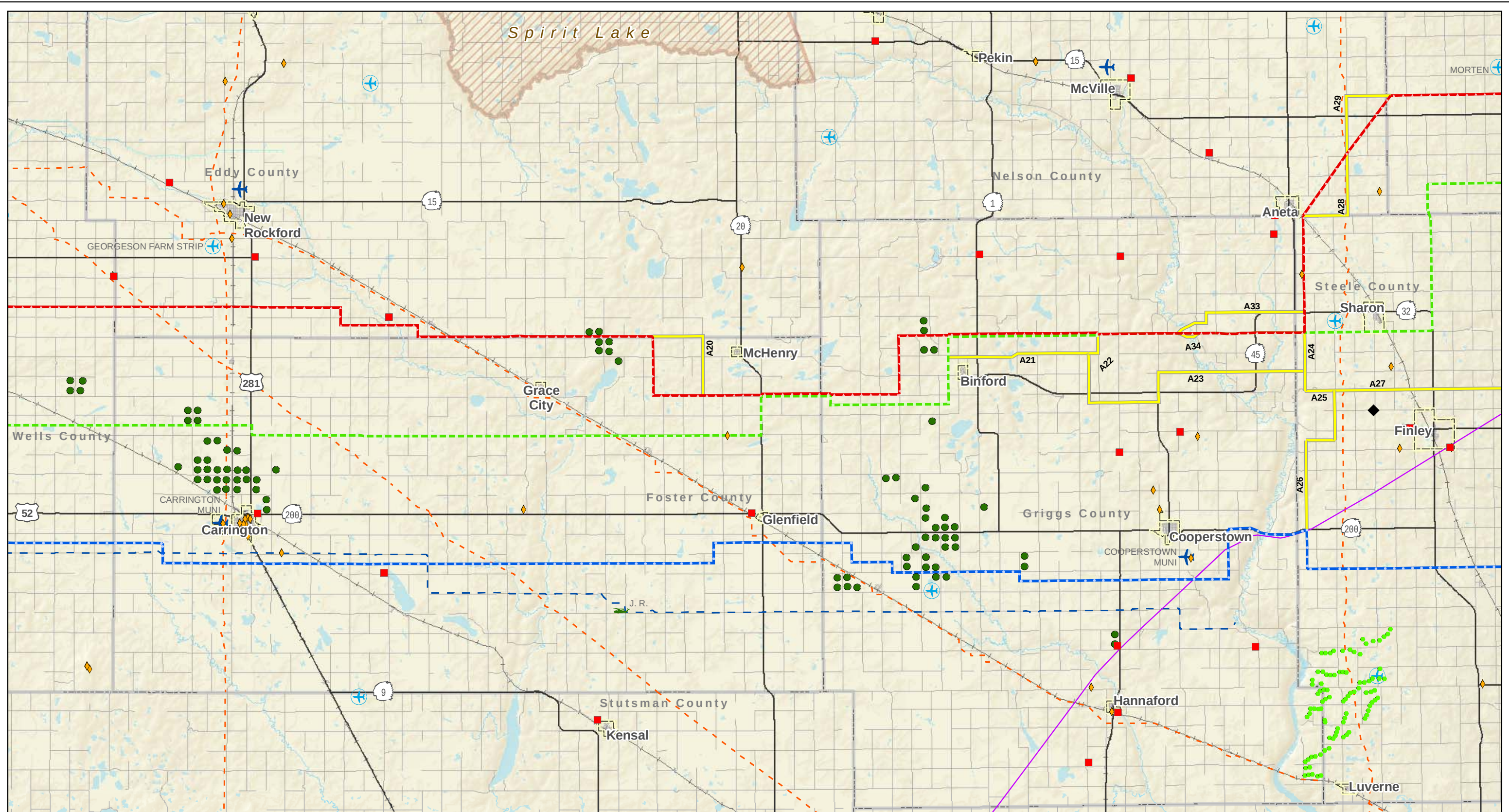


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|--|--|---|--|--|

Figure 3.2-2: Page 2 of 4
Existing Infrastructure
Center to Grand Forks Project
Environmental Assessment

0 2 4 Miles
Scale 1:300,000

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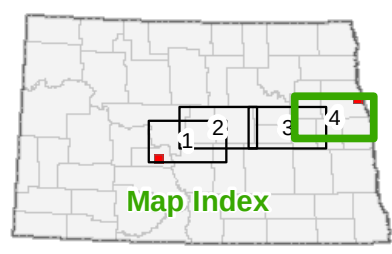
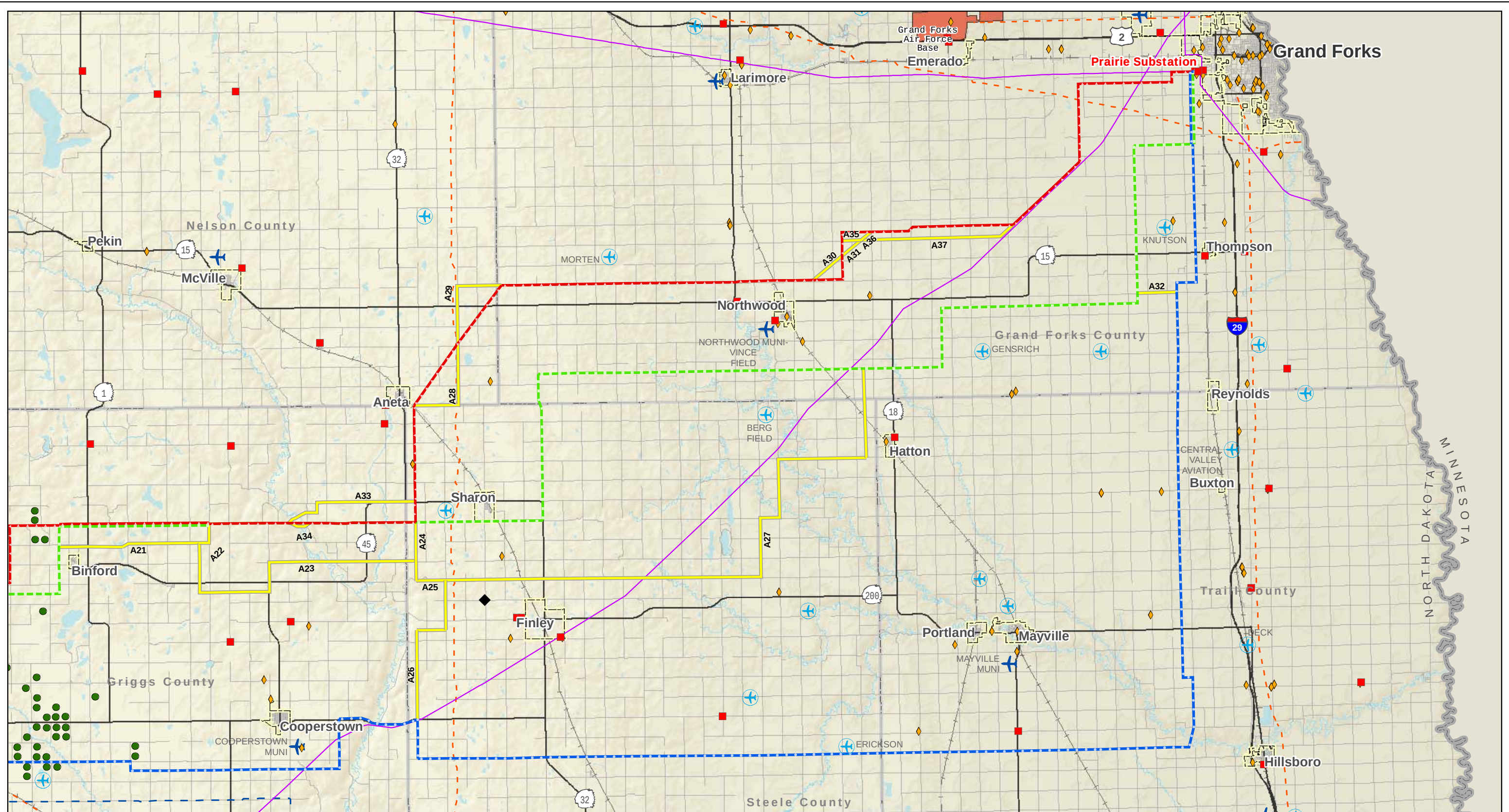


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| <ul style="list-style-type: none">Route ARoute BRoute CSegment AlternativeSubstation | Existing Transmission Lines <ul style="list-style-type: none">400 kV DC345 kV250 kV DC230 kV | <ul style="list-style-type: none">Gas or Oil PipelineProposed Water PipelineCenter Pivot IrrigationCommunication TowerWind TurbineFAA Radar Facility | <ul style="list-style-type: none">Public AirportPrivate AirportHeliportTribal Lands | <ul style="list-style-type: none">Incorporated AreaIn-Use RailroadHighwayLocal RoadCounty Boundary |
|--|--|---|--|--|

Figure 3.2-2: Page 3 of 4
Existing Infrastructure
Center to Grand Forks Project
Environmental Assessment

0 2 4 Miles
Scale 1:300,000

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|--|--|---|--|--|

Figure 3.2-2: Page 4 of 4
Existing Infrastructure
Center to Grand Forks Project
Environmental Assessment

0 2 4 Miles
Scale 1:300,000



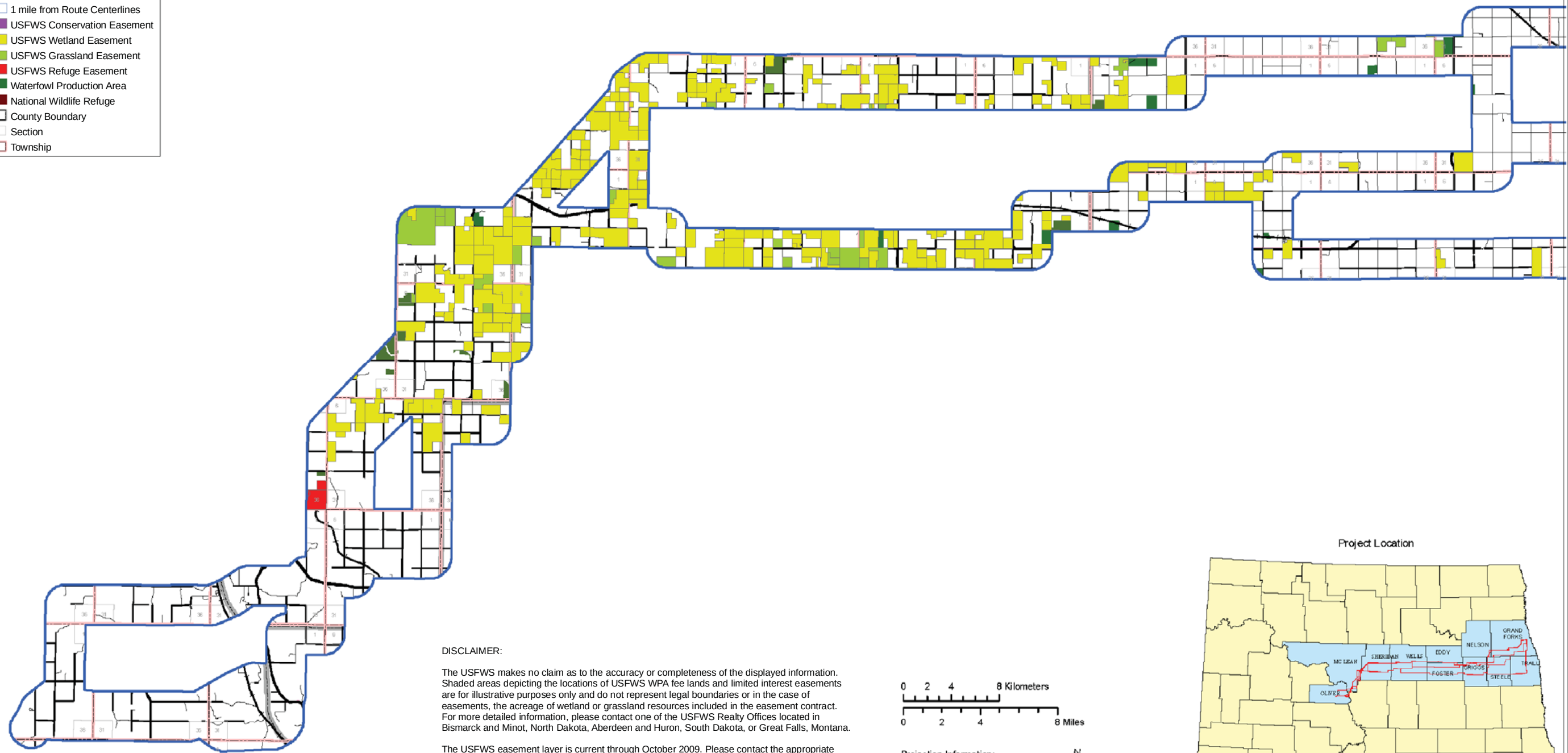
U.S. Fish & Wildlife Service

Center to Grand Forks Project

Oliver, McLean, Sheridan, Wells, Eddy, Foster, Grand Forks, Griggs, Nelson, Steele and Traill Counties, North Dakota

Legend

- 1 mile from Route Centerlines
- USFWS Conservation Easement
- USFWS Wetland Easement
- USFWS Grassland Easement
- USFWS Refuge Easement
- Waterfowl Production Area
- National Wildlife Refuge
- County Boundary
- Section
- Township



DISCLAIMER:
The USFWS makes no claim as to the accuracy or completeness of the displayed information. Shaded areas depicting the locations of USFWS WPA fee lands and limited interest easements are for illustrative purposes only and do not represent legal boundaries or in the case of easements, the acreage of wetland or grassland resources included in the easement contract. For more detailed information, please contact one of the USFWS Realty Offices located in Bismarck and Minot, North Dakota, Aberdeen and Huron, South Dakota, or Great Falls, Montana.

The USFWS easement layer is current through October 2009. Please contact the appropriate Wetland Management District for any newly acquired easements.

Map was produced by the HAPET, Office of Conservation Science, Bismarck, North Dakota, July 2010.

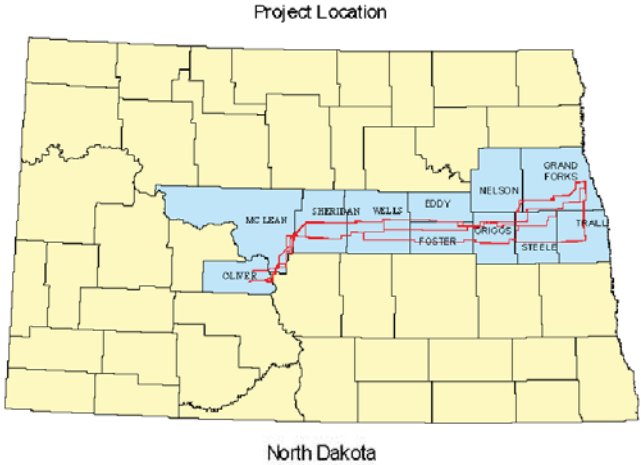
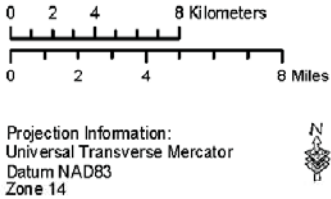


Figure 3.2-3: Page 1 of 3
USFWS Easements
Center to Grand Forks Project
Environmental Assessment



Center to Grand Forks Project

Oliver, McLean, Sheridan, Wells, Eddy, Foster, Grand Forks, Griggs, Nelson, Steele and Traill Counties, North Dakota

Legend

- 1 mile from Route Centerlines
- USFWS Conservation Easement
- USFWS Wetland Easement
- USFWS Grassland Easement
- USFWS Refuge Easement
- Waterfowl Production Area
- National Wildlife Refuge
- County Boundary
- Section
- Township



DISCLAIMER:

The USFWS makes no claim as to the accuracy or completeness of the displayed information. Shaded areas depicting the locations of USFWS WPA fee lands and limited interest easements are for illustrative purposes only and do not represent legal boundaries or in the case of easements, the acreage of wetland or grassland resources included in the easement contract. For more detailed information, please contact one of the USFWS Realty Offices located in Bismarck and Minot, North Dakota, Aberdeen and Huron, South Dakota, or Great Falls, Montana.

The USFWS easement layer is current through October 2009. Please contact the appropriate Wetland Management District for any newly acquired easements.

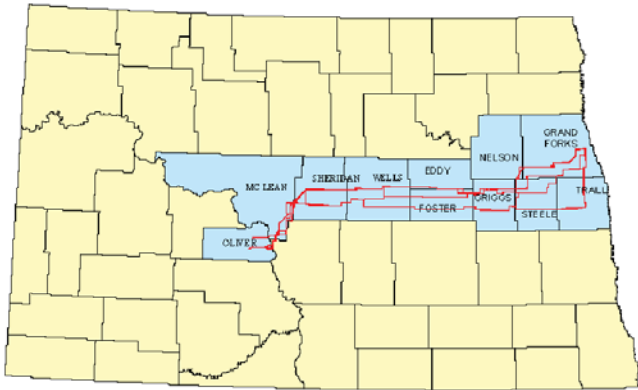
Map was produced by the HAPET, Office of Conservation Science, Bismarck, North Dakota, July 2010.



Projection Information:
Universal Transverse Mercator
Datum NAD83
Zone 14



Project Location



North Dakota

Figure 3.2-3: Page 2 of 3
USFWS Easements
Center to Grand Forks Project
Environmental Assessment



Center to Grand Forks Project

Oliver, McLean, Sheridan, Wells, Eddy, Foster, Grand Forks, Griggs, Nelson, Steele and Traill Counties, North Dakota

Legend

1 mile from Route Centerlines

USFWS Conservation Easement

USFWS Wetland Easement

USFWS Grassland Easement

USFWS Refuge Easement

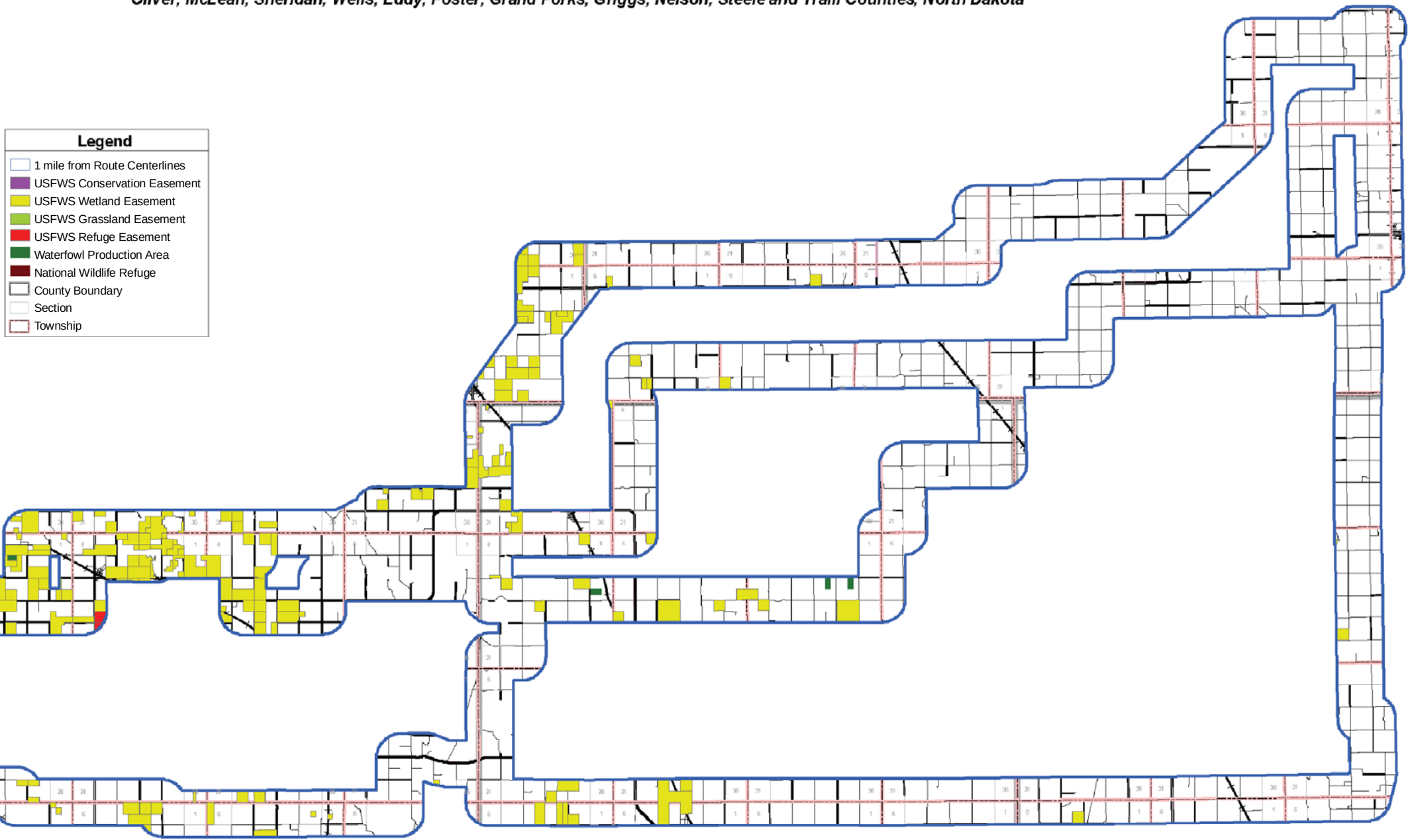
Waterfowl Production Area

National Wildlife Refuge

County Boundary

Section

Township



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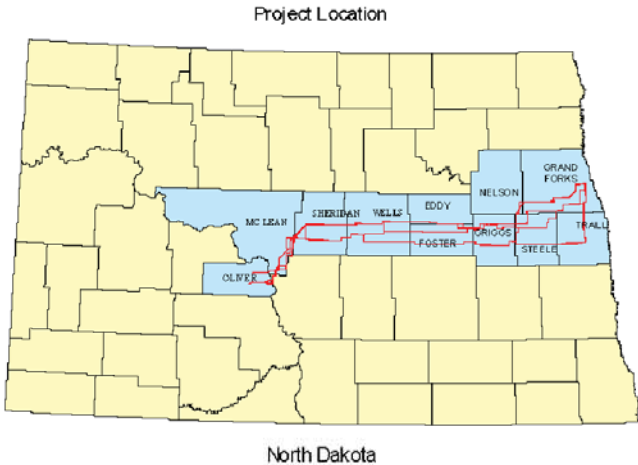
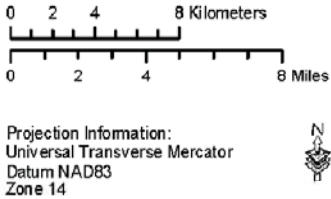
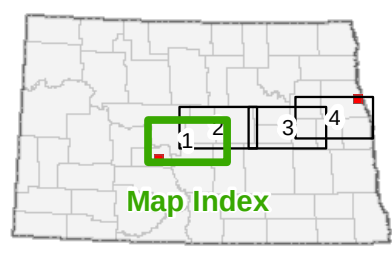
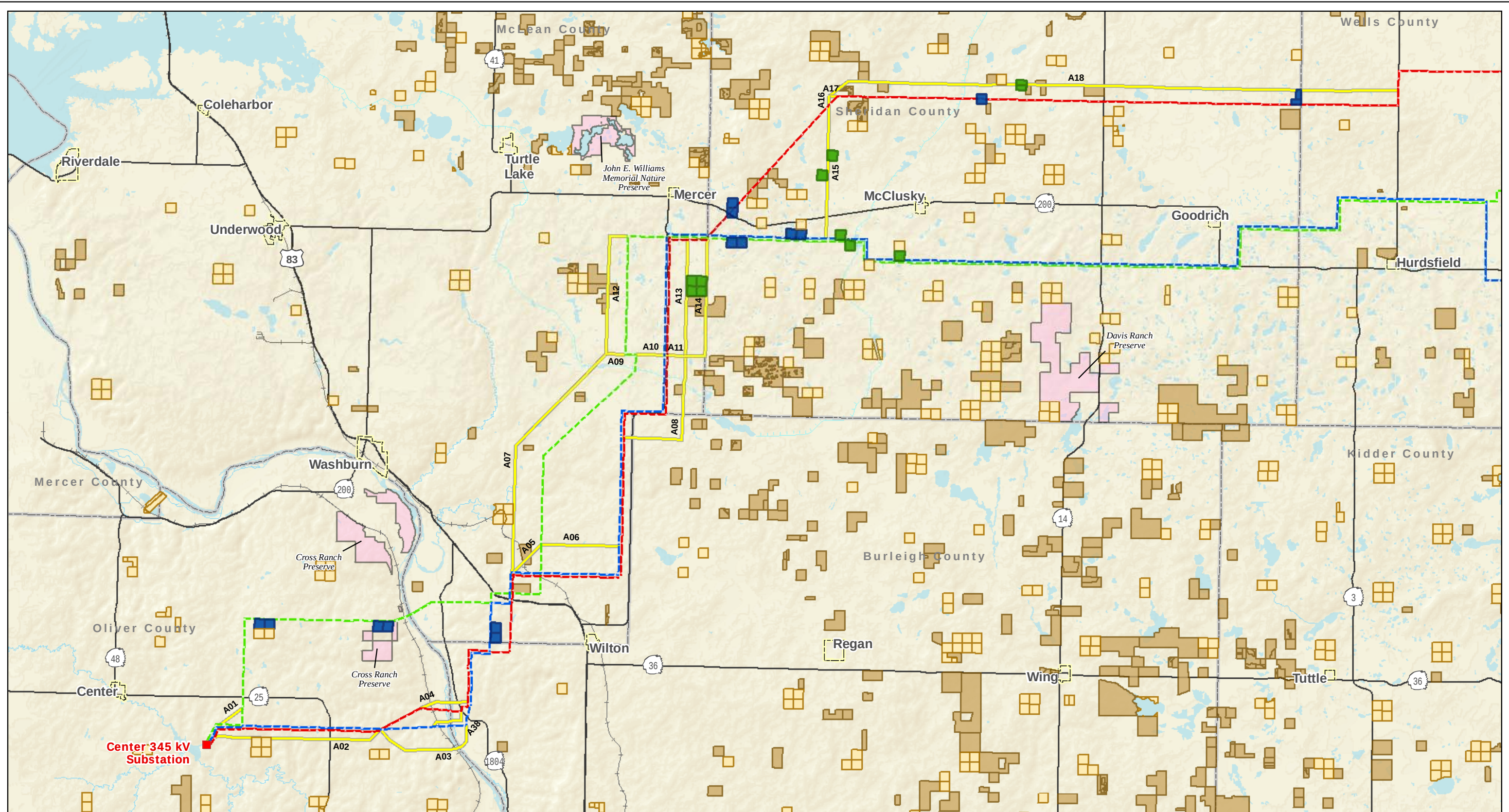


Figure 3.2-3: Page 3 of 3
USFWS Easements
Center to Grand Forks Project
Environmental Assessment

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8/30/2010 11:42:45 AM



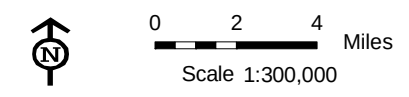
- Route A
- Route B
- Route C
- Segment Alternative
- Project Substation

- State Surface Tracts
NDLD Comment
- Not recommended for the proposed Project
 - Would be minimally impacted by the proposed Project
 - Not addressed

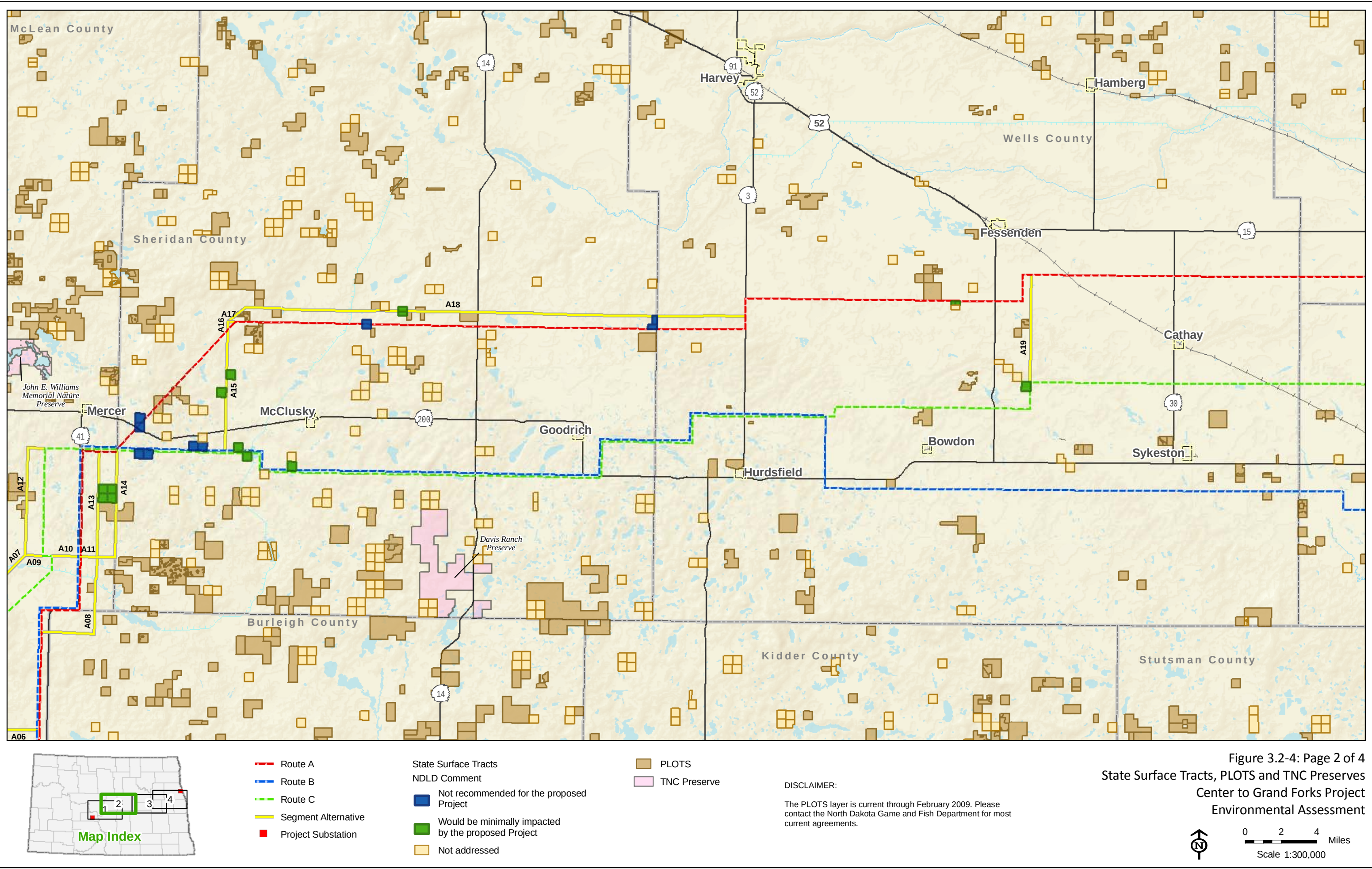
- PLOTS
- TNC Preserve

DISCLAIMER:
The PLOTS layer is current through February 2009. Please contact the North Dakota Game and Fish Department for most current agreements.

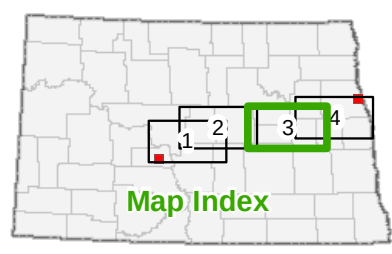
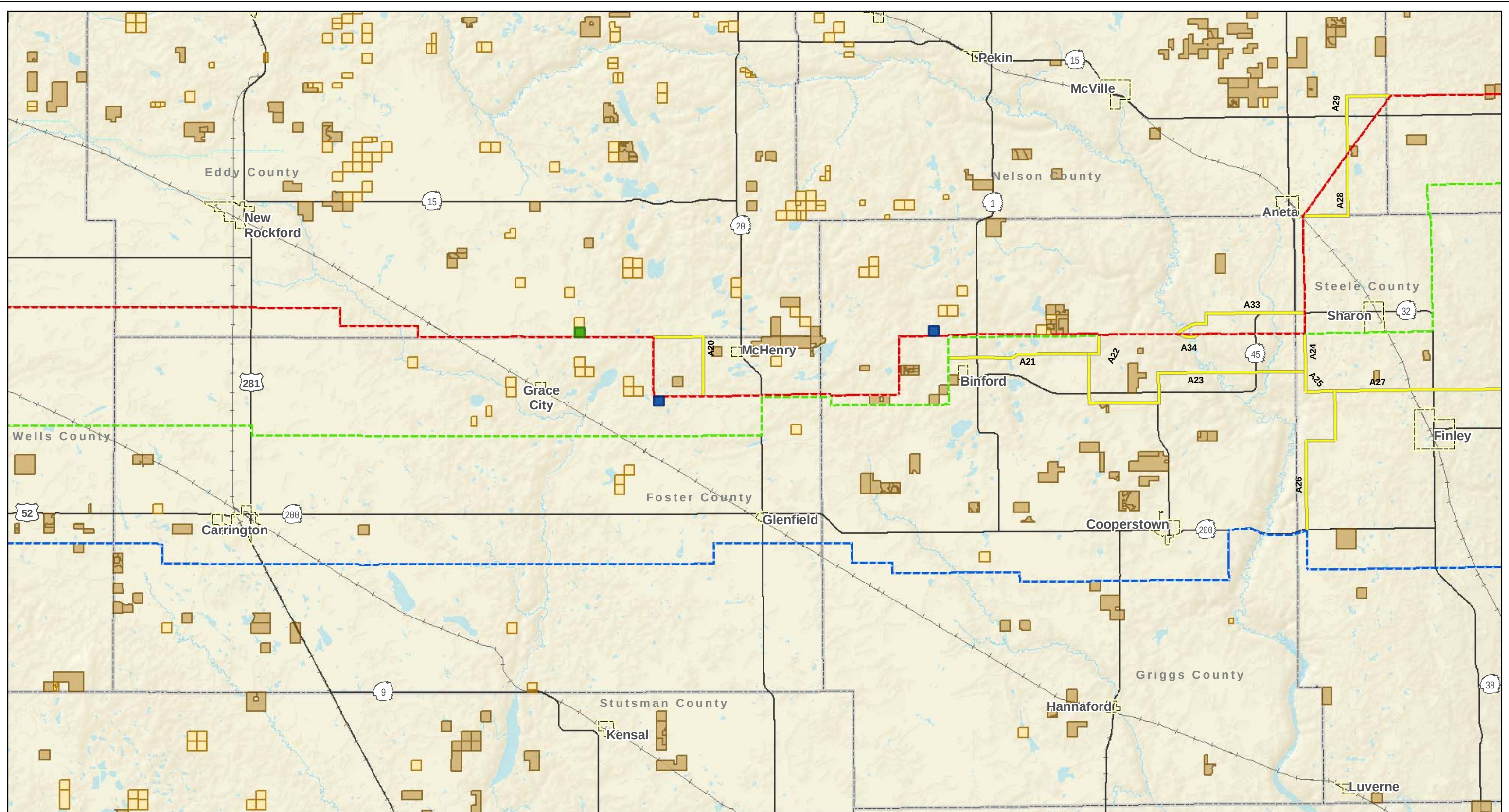
Figure 3.2-4: Page 1 of 4
State Surface Tracts, PLOTS and TNC Preserves
Center to Grand Forks Project
Environmental Assessment



Map Document: (\\MapServer\file\gisproj\Minidoka\11060\map_docs\EA\CGFEA_3-2-4_11x17L_4pg_SurfaceTractsPLOTSTNC.mxd)
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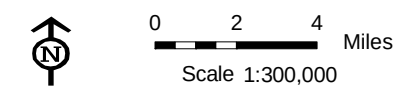
- Route A
- Route B
- Route C
- Segment Alternative
- Project Substation

- State Surface Tracts
NDLD Comment
- Not recommended for the proposed Project
 - Would be minimally impacted by the proposed Project
 - Not addressed

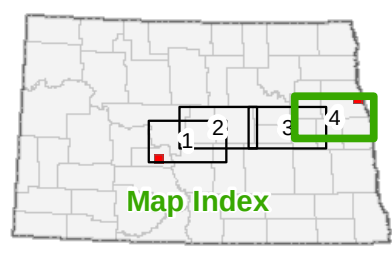
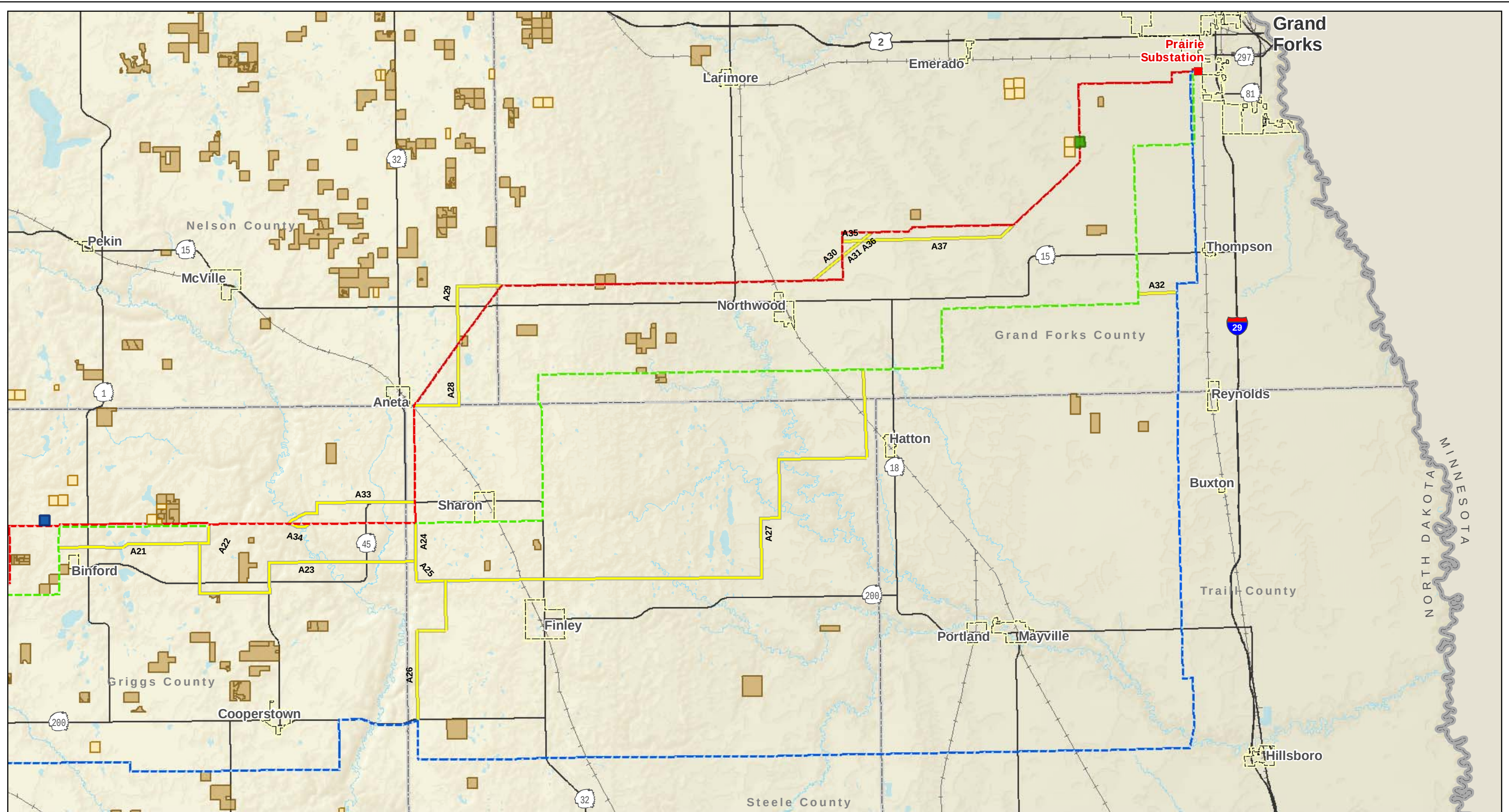
- PLOTS
- TNC Preserve

DISCLAIMER:
The PLOTS layer is current through February 2009. Please contact the North Dakota Game and Fish Department for most current agreements.

Figure 3.2-4: Page 3 of 4
State Surface Tracts, PLOTS and TNC Preserves
Center to Grand Forks Project
Environmental Assessment



Map Document: (\\MapServer\file\gsproj\Minnesota\110600map_docs\EA\CGFEA_3-2-4_11x17L_4pg_SurfaceTractsPLOTSTNC.mxd)
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- Route A
- Route B
- Route C
- Segment Alternative
- Project Substation

- State Surface Tracts
NDLD Comment
- Not recommended for the proposed Project
 - Would be minimally impacted by the proposed Project
 - Not addressed

- PLOTS
- TNC Preserve

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Figure 3.2-4: Page 4 of 4
State Surface Tracts, PLOTS and TNC Preserves
Center to Grand Forks Project
Environmental Assessment

