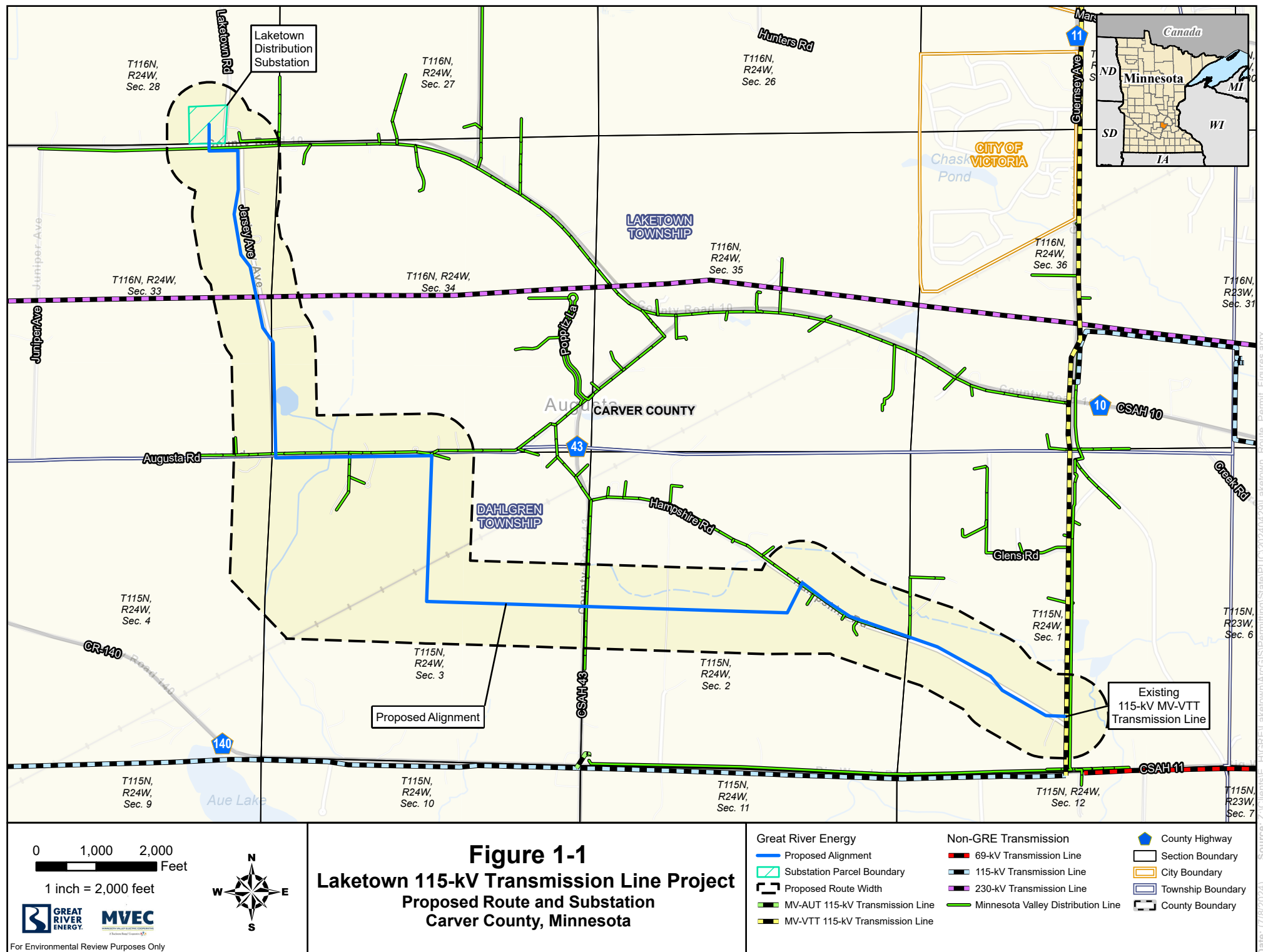
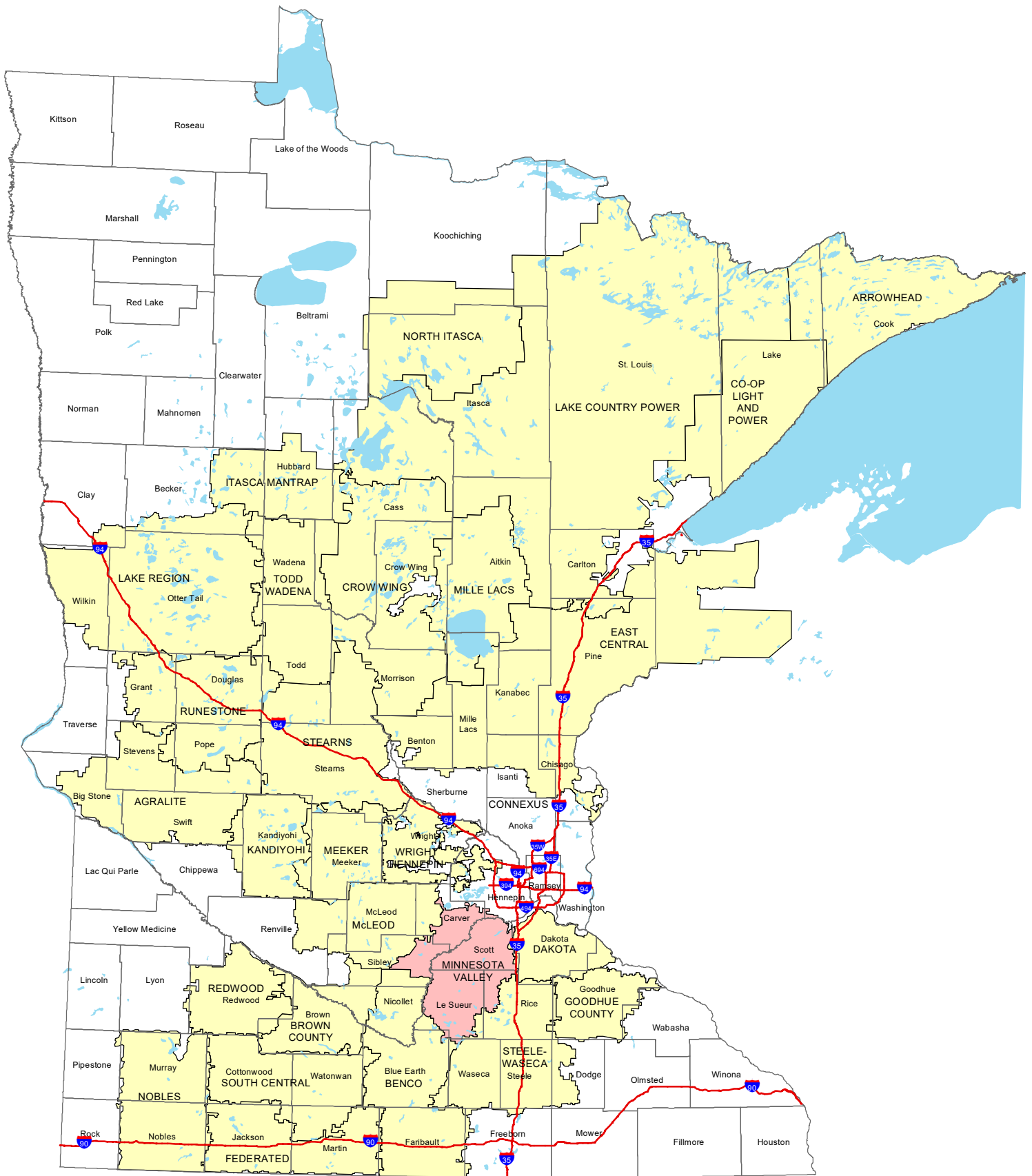


FIGURES





Name

Cooperatives

Minnesota Valley Electric Cooperative

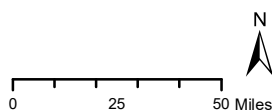
Landbase

Landbase

County Line

Lakes

FIGURE 1-2
Great River Energy Service Territory



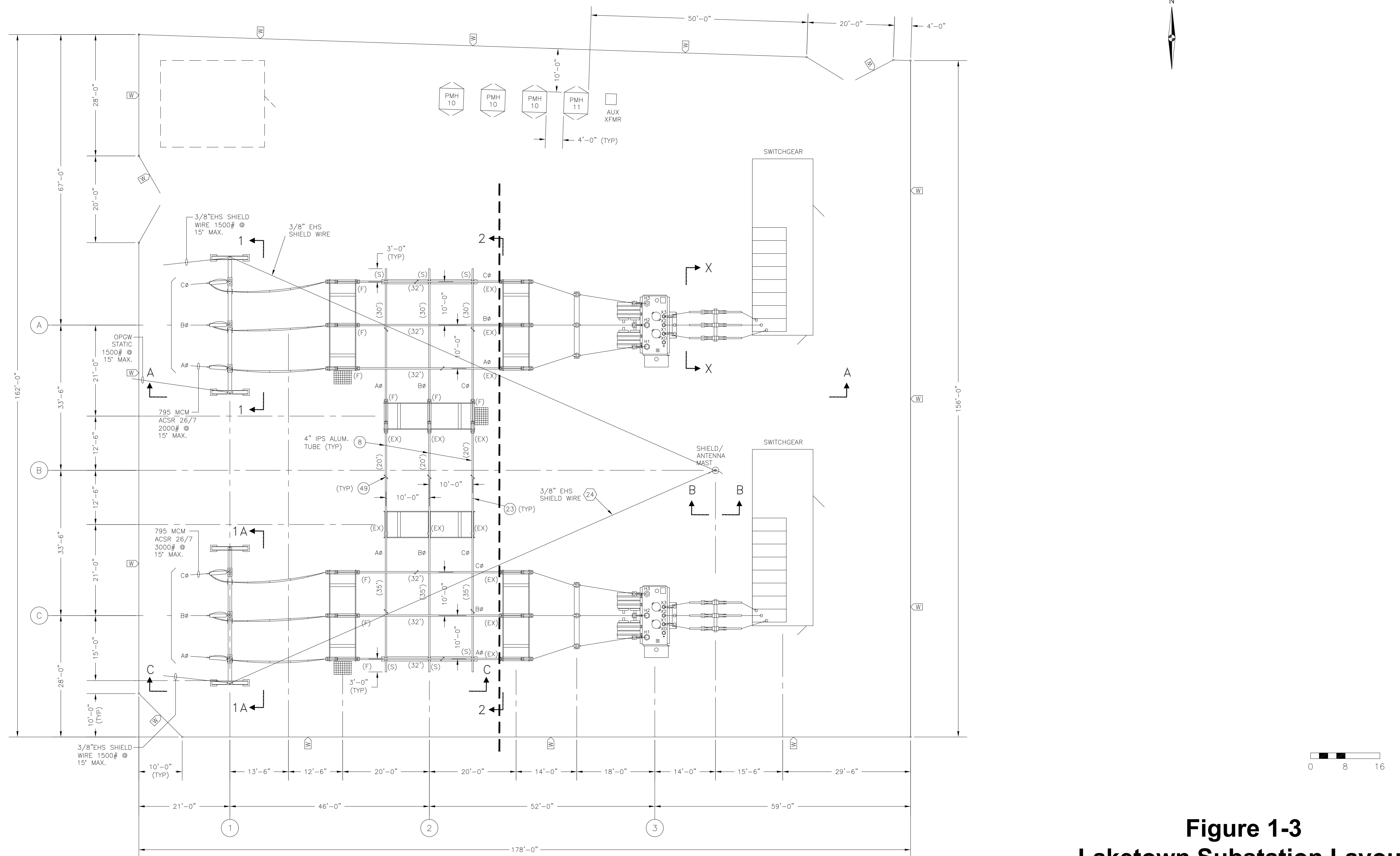
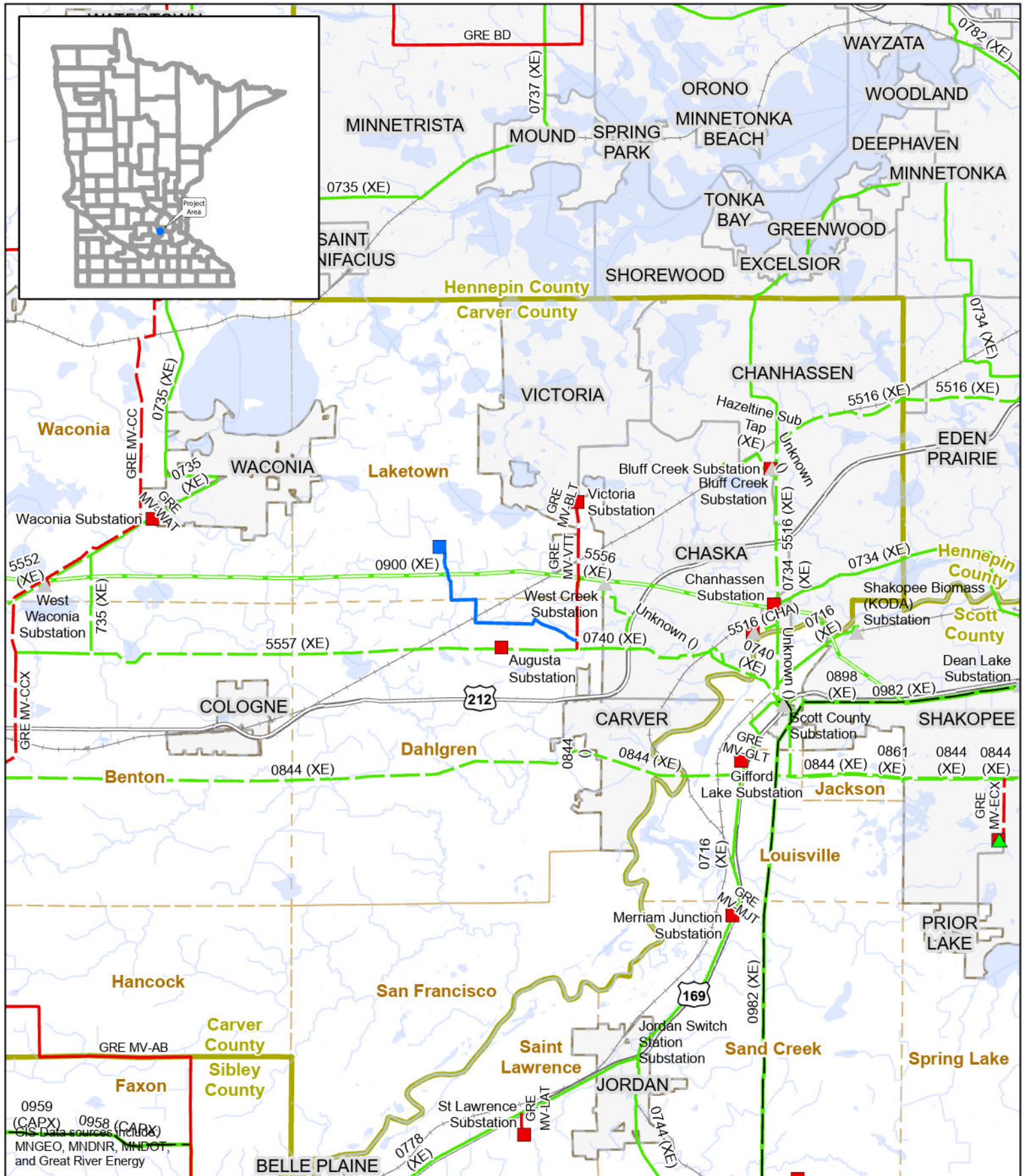


Figure 1-3
Laketown Substation Layout



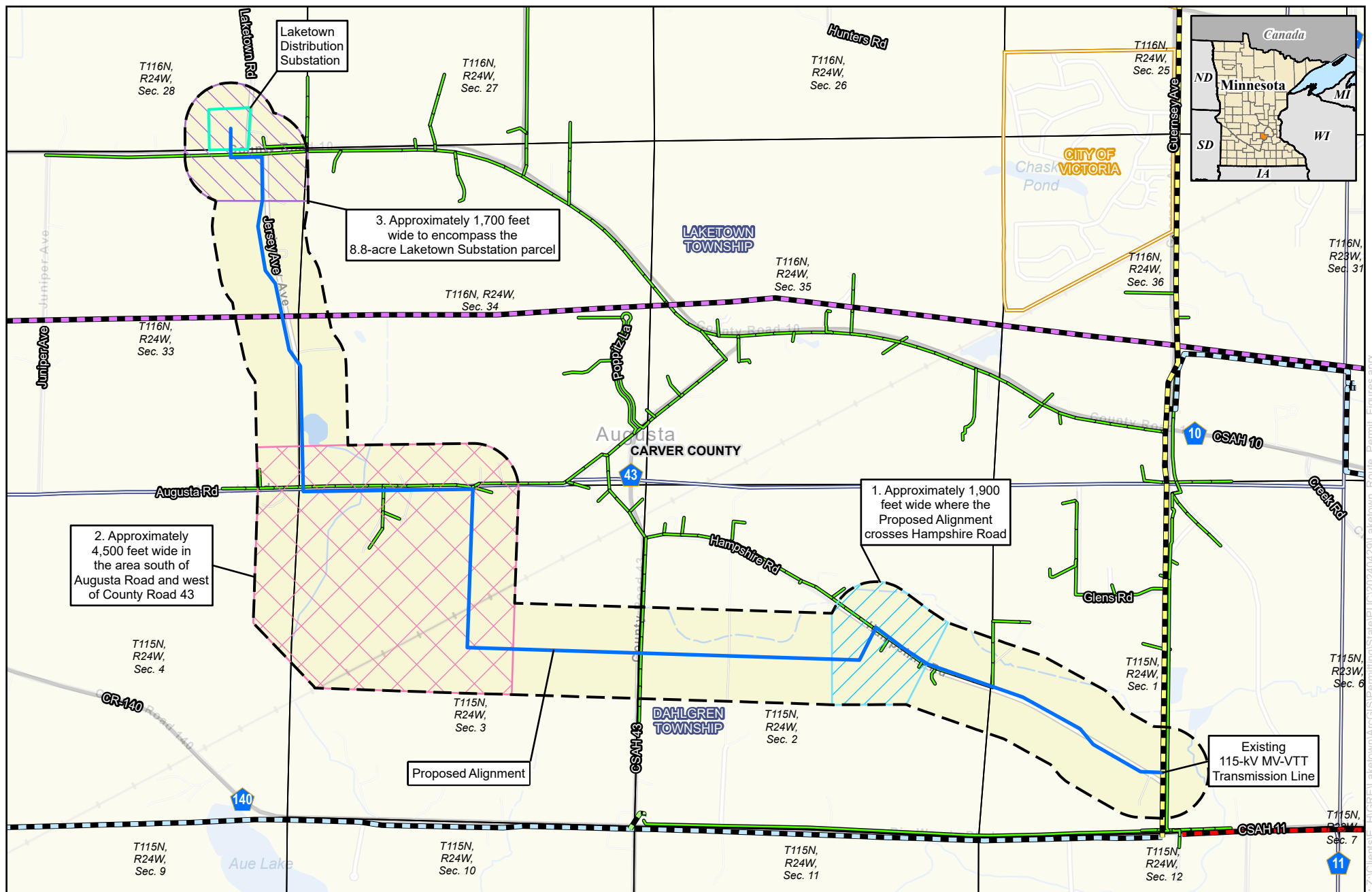
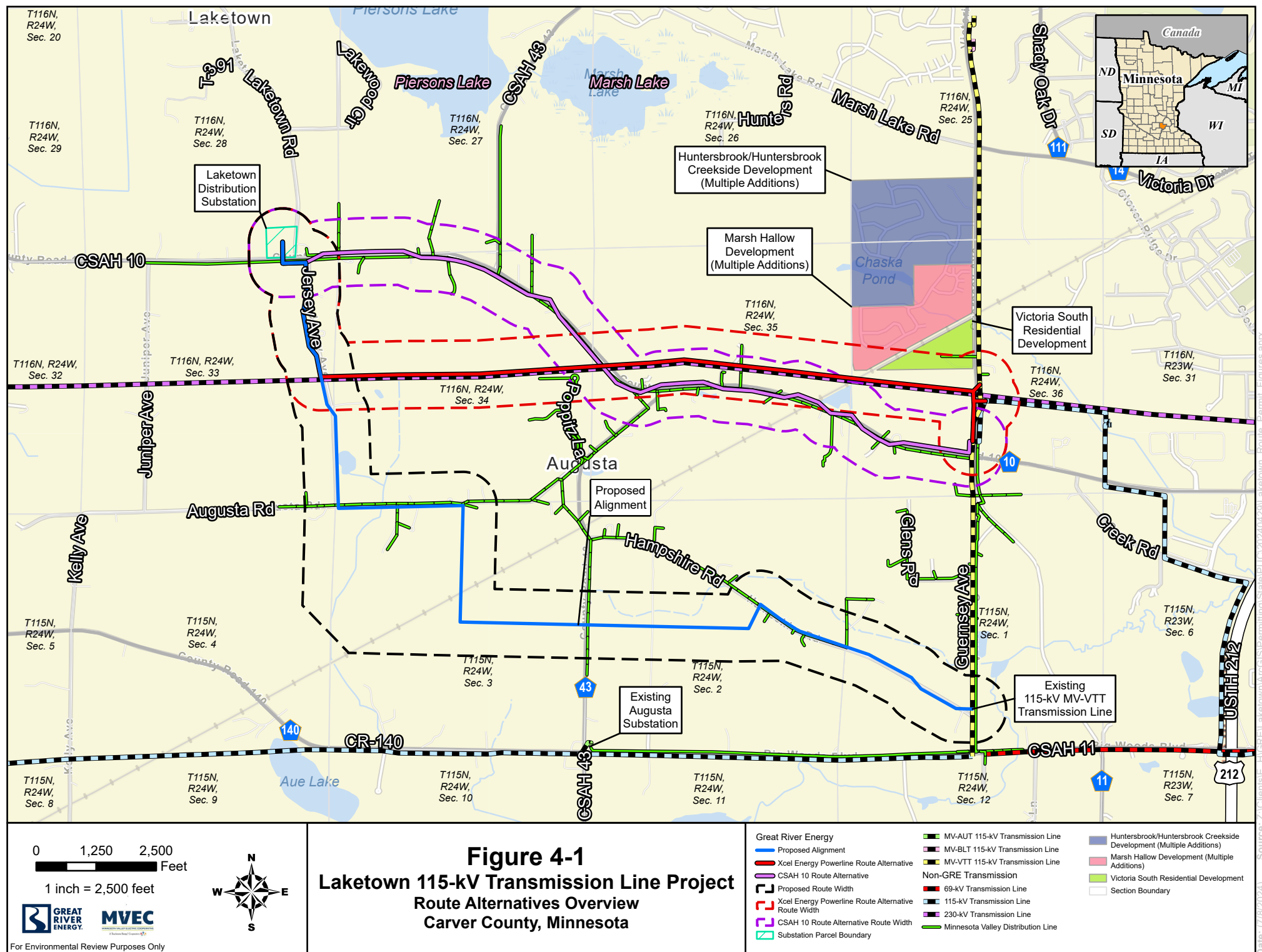
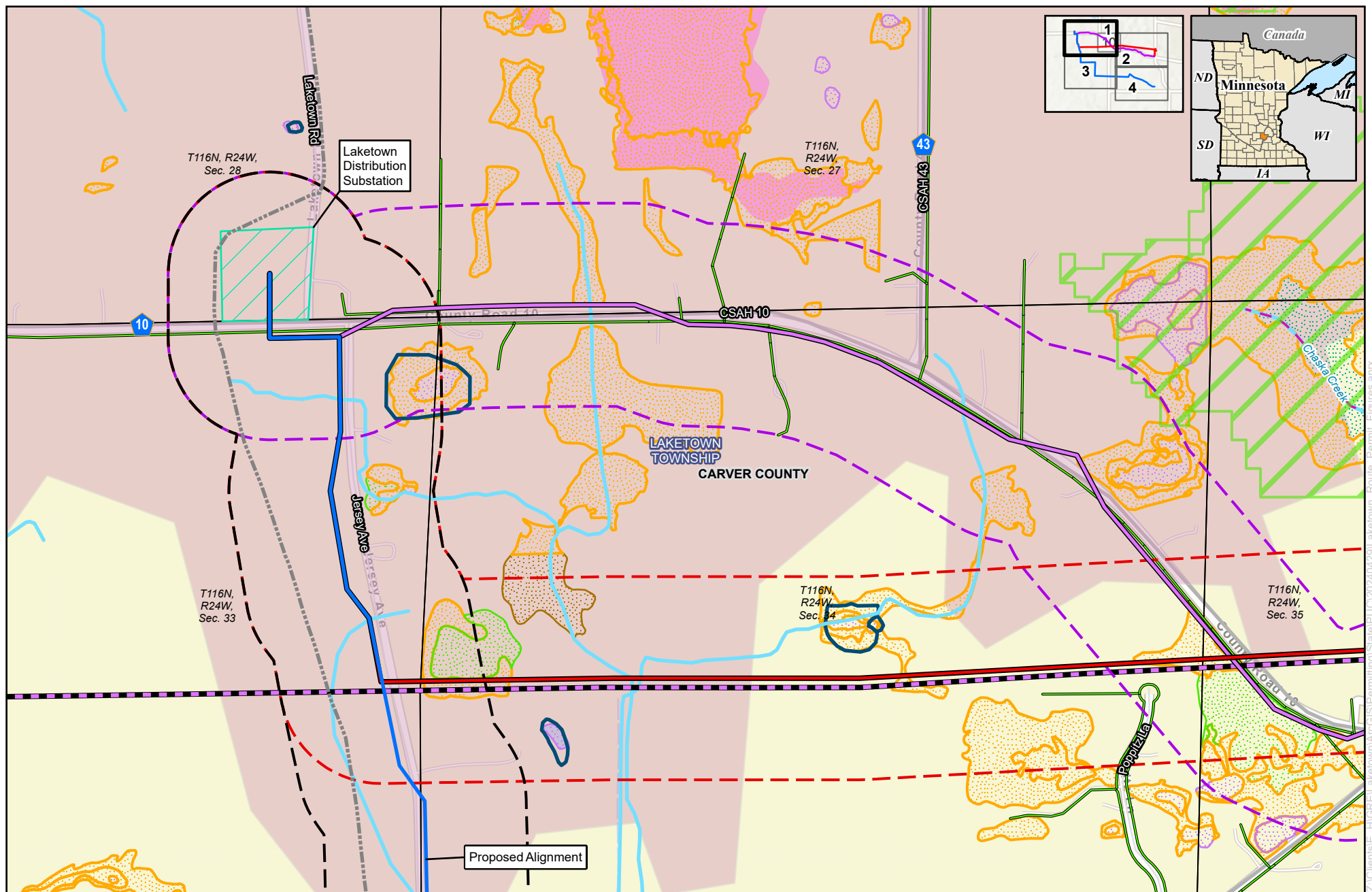


Figure 3-1
Laketown 115-kV Transmission Line Project
Proposed Route Width
Carver County, Minnesota

- | | | |
|--|---|---|
| <p>Great River Energy</p> <ul style="list-style-type: none"> Proposed Alignment Substation Parcel Boundary Proposed Route Width Project Route Width (see also narrative text) 1 2 3 | <ul style="list-style-type: none"> MV-AUT 115-kV Transmission Line MV-VTT 115-kV Transmission Line Non-GRE Transmission 69-kV Transmission Line 115-kV Transmission Line 230-kV Transmission Line Minnesota Valley Distribution Line | <ul style="list-style-type: none"> County Highway Section Boundary City Boundary Township Boundary County Boundary |
|--|---|---|







0 450 900
Feet

1 inch = 900 feet



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Figure 4-2
Laketown 115-kV Transmission Line Project
Route Alternatives Human and Environmental Features
Carver County, Minnesota
Page 1 of 4

- | | | | |
|---|--|--|--|
| Great River Energy
Proposed Alignment | Non-GRE Transmission
230-kV Transmission Line | NWI Wetland
Freshwater Emergent Wetland | DNR Regionally Significant Ecological Area |
| Great River Energy
Xcel Energy Powerline Route Alternative | Minnesota Valley Distribution Line | Freshwater Forested Wetland | Section Boundary |
| CSAH 10 Route Alternative | Snowmobile Trail | Freshwater Forested/Emergent Wetland | Township Boundary |
| Proposed Route Width | MDNR Hydrography Dataset Watercourse | Freshwater Pond | County Boundary |
| Xcel Energy Powerline Route Alternative Route Width | MDNR Hydrography Dataset Lake/Pond | Freshwater Shrub Wetland | County Highway |
| CSAH 10 Route Alternative Route Width | PWI Hydrography | Rusty Patched Bumble Bee High Potential Zone | |
| Substation Parcel Boundary | PWI Basin | | |

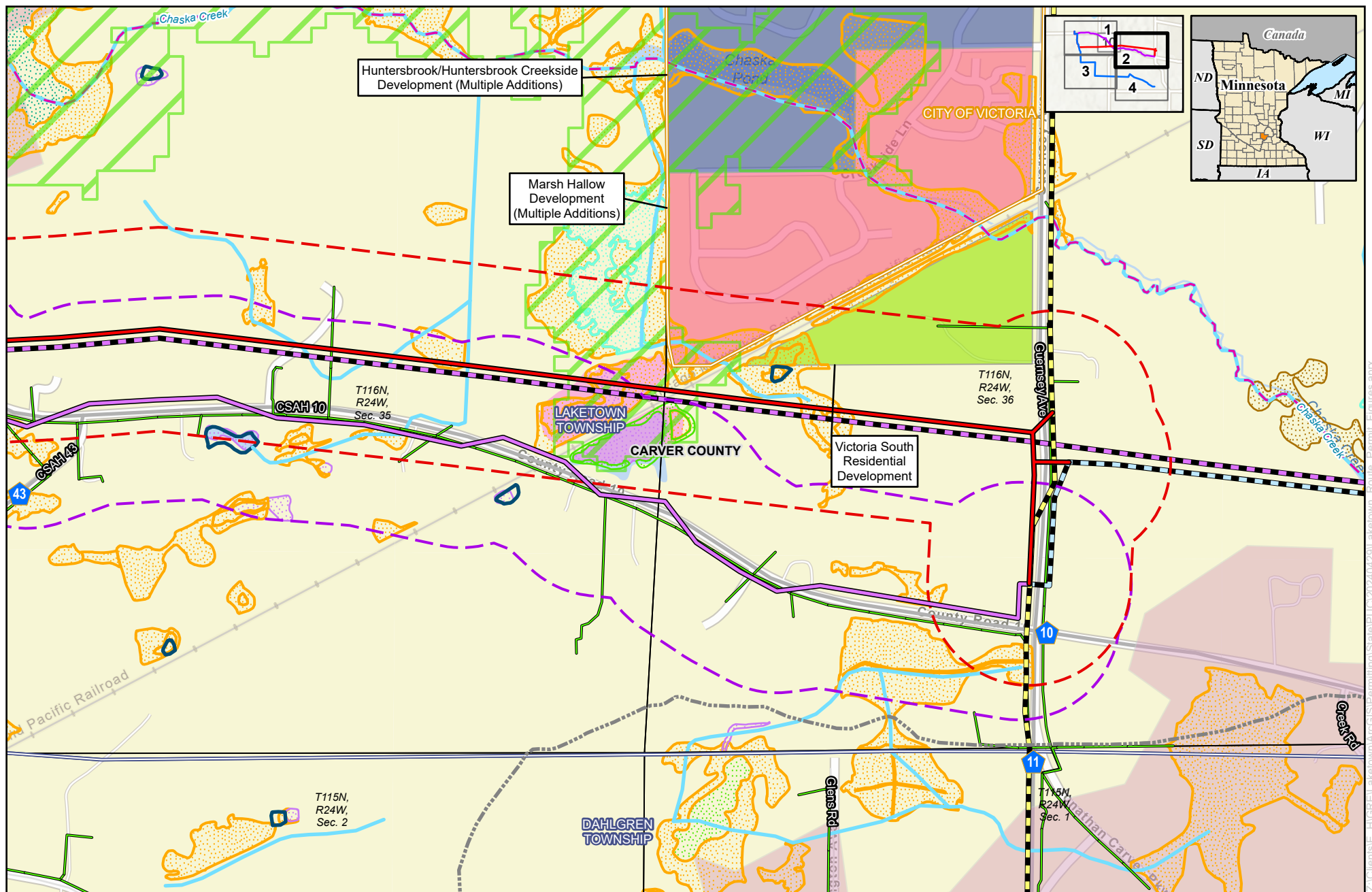


Figure 4-2
Laketown 115-kV Transmission Line Project
Route Alternatives Human and Environmental Features
Carver County, Minnesota
 Page 2 of 4

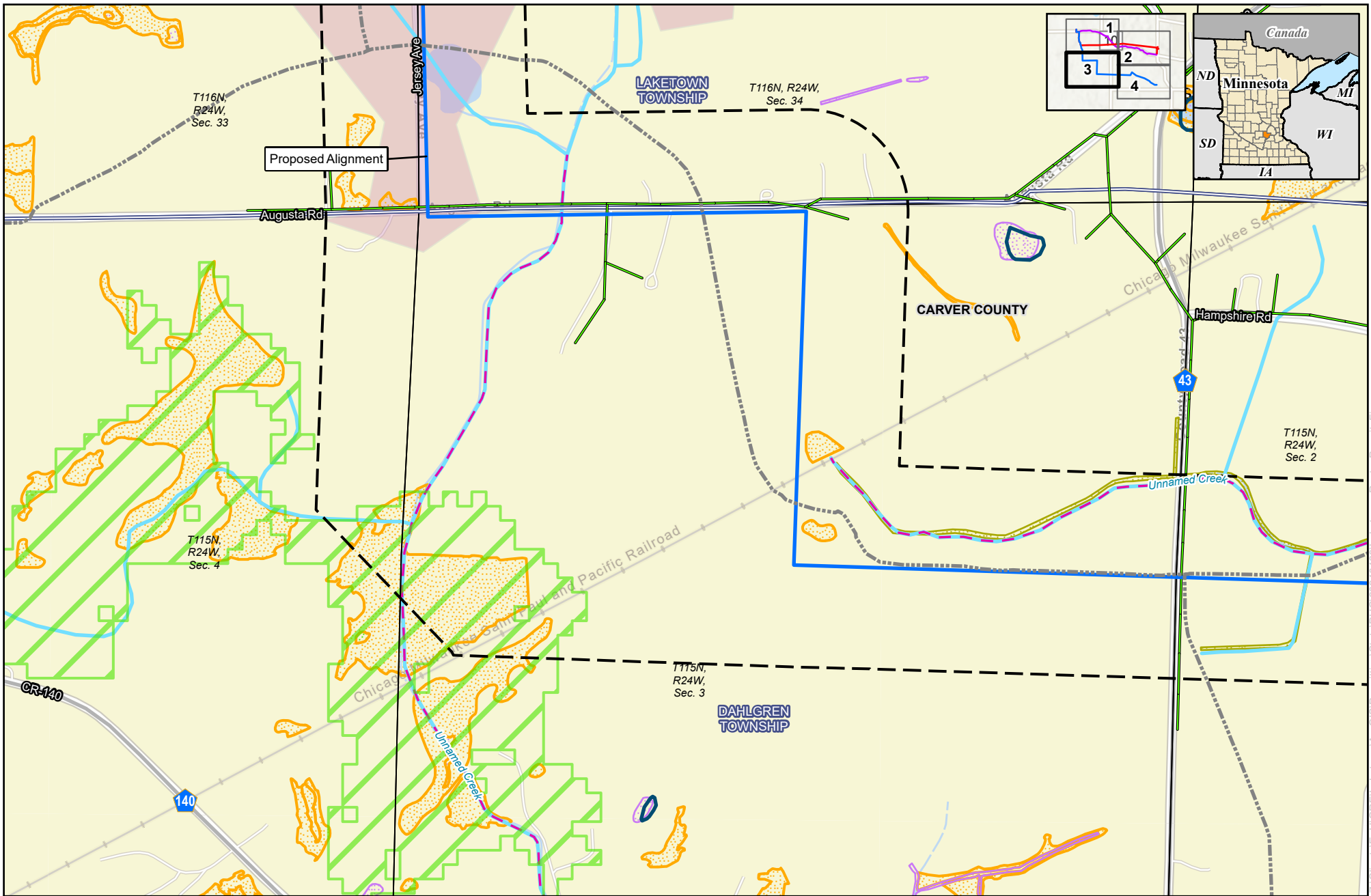
0 450 900
 Feet

1 inch = 900 feet



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- | | | | |
|---|--|--|--|
| <p>Great River Energy</p> <ul style="list-style-type: none"> Xcel Energy Powerline Route Alternative CSAH 10 Route Alternative Xcel Energy Powerline Route Alternative Route Width CSAH 10 Route Alternative Route Width MV-VTT 115-kV Transmission Line | <p>Non-GRE Transmission</p> <ul style="list-style-type: none"> 115-kV Transmission Line 230-kV Transmission Line Minnesota Valley Distribution Line Snowmobile Trail MDNR Hydrography Dataset Watercourse MDNR Hydrography Dataset Lake/Pond PWI Watercourse PWI Basin | <p>NWI Wetland</p> <ul style="list-style-type: none"> Freshwater Emergent Wetland Freshwater Forested Wetland Freshwater Shrub/Emergent Wetland Freshwater Pond Freshwater Shrub Wetland Freshwater Shrub/Emergent Wetland Rusty Patched Bumble Bee High Potential Zone | <p>DNR Regionally Significant Ecological Area</p> <ul style="list-style-type: none"> Huntersbrook/Huntersbrook Creekside Development (Multiple Additions) Marsh Hollow Development (Multiple Additions) Victoria South Residential Development Section Boundary City Boundary Township Boundary County Boundary County Highway |
|---|--|--|--|



0 450 900 Feet

1 inch = 900 feet

GREAT RIVER ENERGY

MVEC

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Figure 4-2

Laketown 115-kV Transmission Line Project

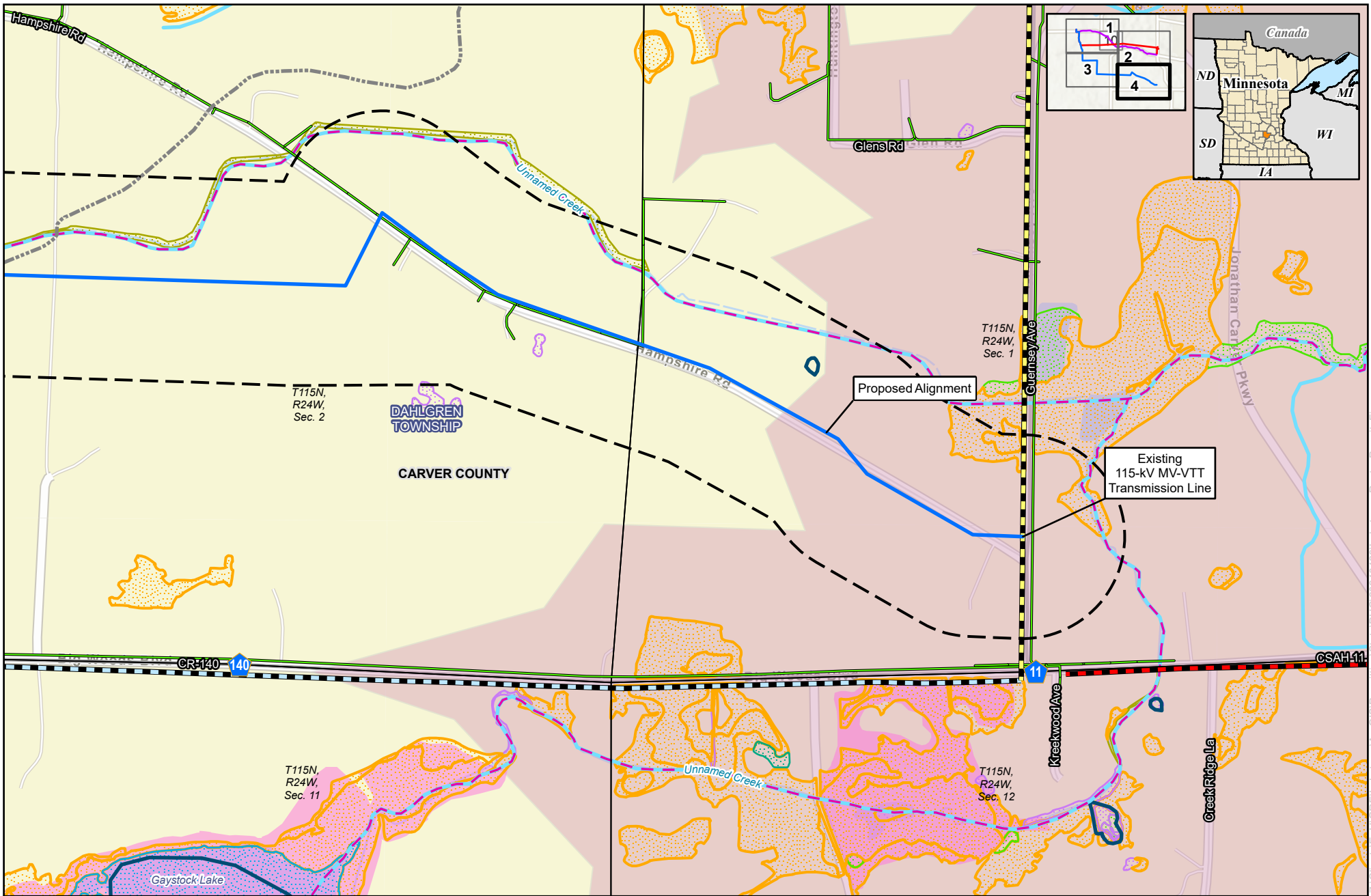
Route Alternatives Human and Environmental Features

Carver County, Minnesota

Page 3 of 4

Great River Energy Proposed Alignment Proposed Route Width	Minnesota Valley Distribution Line Snowmobile Trail MDNR Hydrography Dataset Watercourse MDNR Hydrography Dataset Lake/Pond PWI Watercourse	NWI Wetland Freshwater Emergent Wetland Freshwater Forested Wetland Freshwater Pond Riverine Rusty Patched Bumble Bee High Potential Zone	DNR Regionally Significant Ecological Area Section Boundary Township Boundary County Boundary County Highway
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Source: Z:\Client\115kV\Laketown\GIS\Permitting\State\UC-2024-04-29\Laketown_Route_Permits_Figures.aprx Date: 7/8/2024



0 450 900 Feet

1 inch = 900 feet

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Figure 4-2

Laketown 115-kV Transmission Line Project

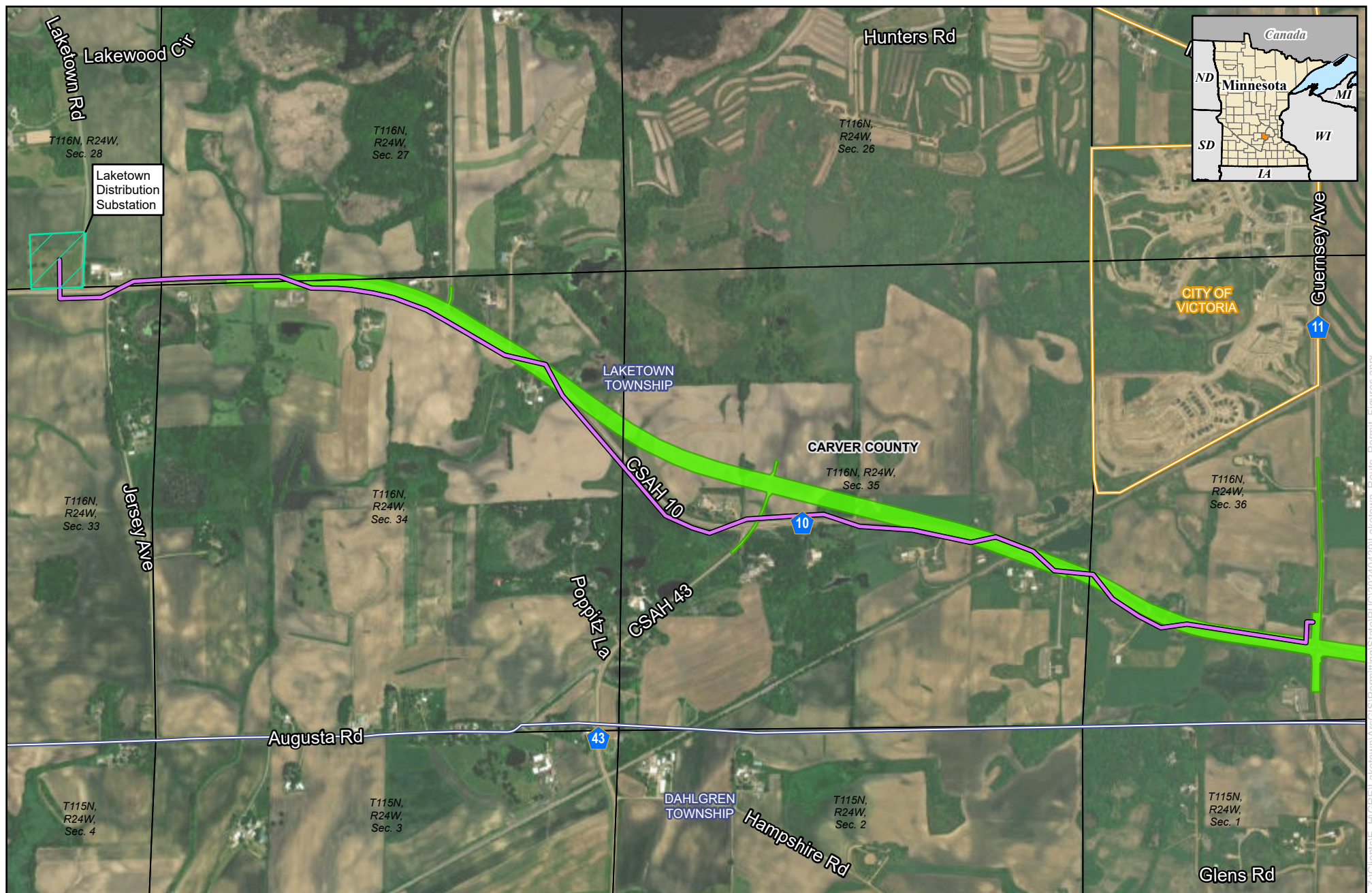
Route Alternatives Human and Environmental Features

Carver County, Minnesota

Page 4 of 4

Great River Energy — Proposed Alignment --- Proposed Route Width --- MV-VTT 115-kV Transmission Line	Non-GRE Transmission --- 69-kV Transmission Line --- 115-kV Transmission Line --- Minnesota Valley Distribution Line --- Snowmobile Trail --- MDNR Hydrography Dataset Watercourse --- MDNR Hydrography Dataset Lake/Pond --- PWI Watercourse --- PWI Basin	NWI Wetland --- Freshwater Emergent Wetland --- Freshwater Forested Wetland --- Freshwater Pond --- Freshwater Shrub Wetland --- Lake --- Riverine --- Rusty Patched Bumble Bee High Potential Zone
Section Boundary --- Township Boundary --- County Boundary --- County Highway		

Source: Z:\GIS\HIGRE\Laketown\GIS\Permitting\State\UO\2024\0429\Laketown_Route_Permit_Figures.aprx Date: 7/8/2024



0 750 1,500
Feet

1 inch = 1,500 feet

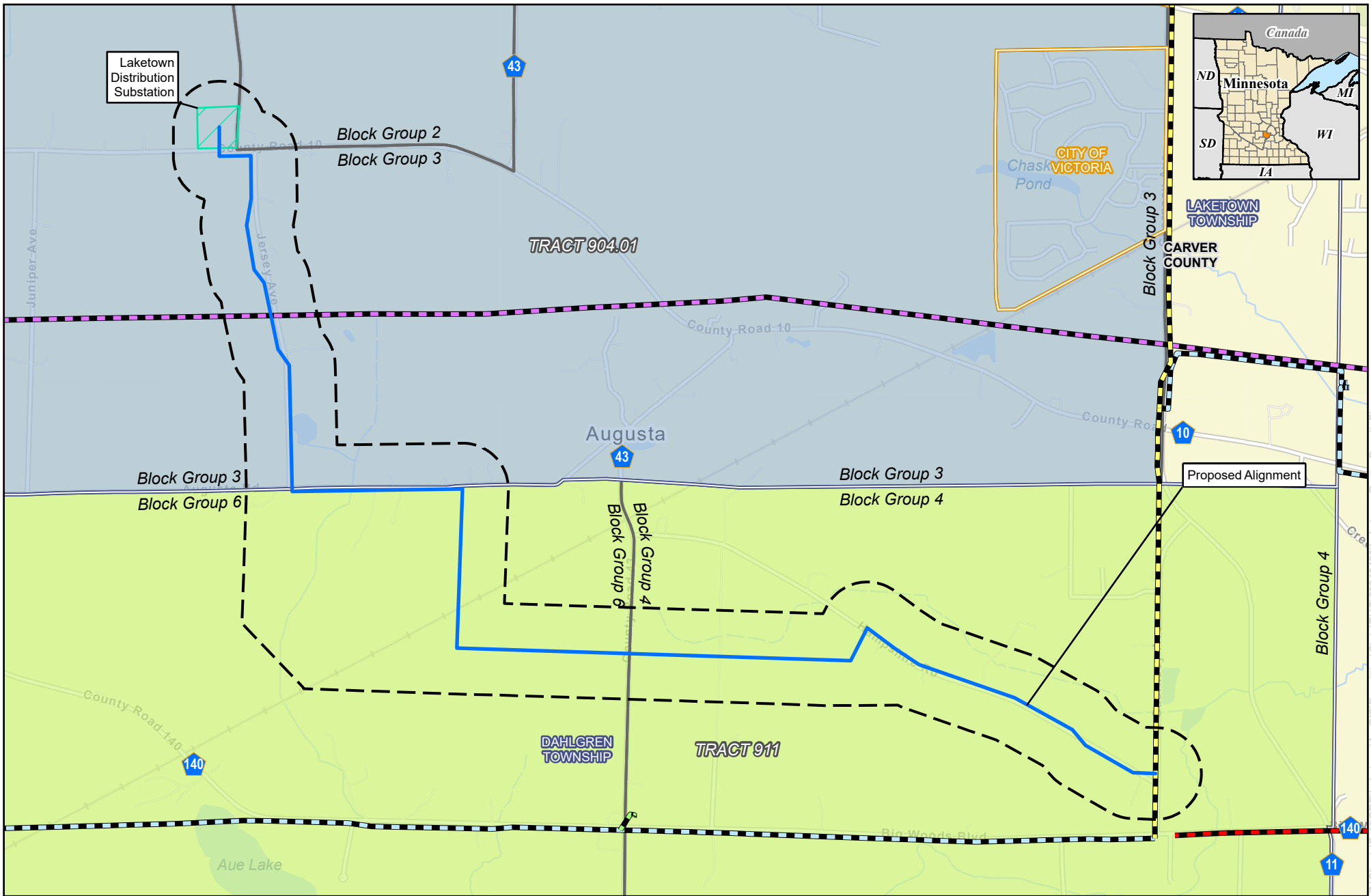


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Figure 4-3
Laketown 115-kV Transmission Line Project
Highway 10 Corridor Study Improvements
Carver County, Minnesota

- CSAH 10 Route Alternative
- Substation Parcel Boundary
- Improvement: Highway 10 Western Subarea – West
- Section Boundary
- City Boundary
- Township Boundary
- County Boundary



0 1,000 2,000 Feet

1 inch = 2,000 feet

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N
W E
S

Figure 6-1

Laketown 115-kV Transmission Line Project

Census Tracts

Carver County, Minnesota

Great River Energy

- Proposed Alignment
- Proposed Route Width
- Substation Parcel Boundary
- MV-AUT 115-kV Transmission Line
- MV-VTT 115-kV Transmission Line

Non-GRE Transmission

- 69-kV Transmission Line
- 115-kV Transmission Line
- 230-kV Transmission Line

Census Block Group

Census Tract

- Tract 904.01
- Tract 911

City Boundary

Township Boundary

County Boundary

Source: Z:\Client\115kV\Laketown\GIS\Permitting\State\UC-20240429\Laketown_Route_Permi_Figures.aprx Date: 7/8/2024

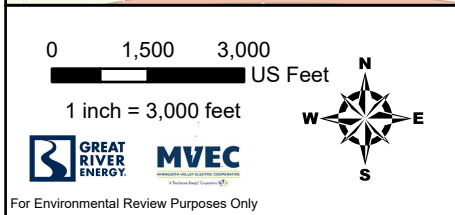
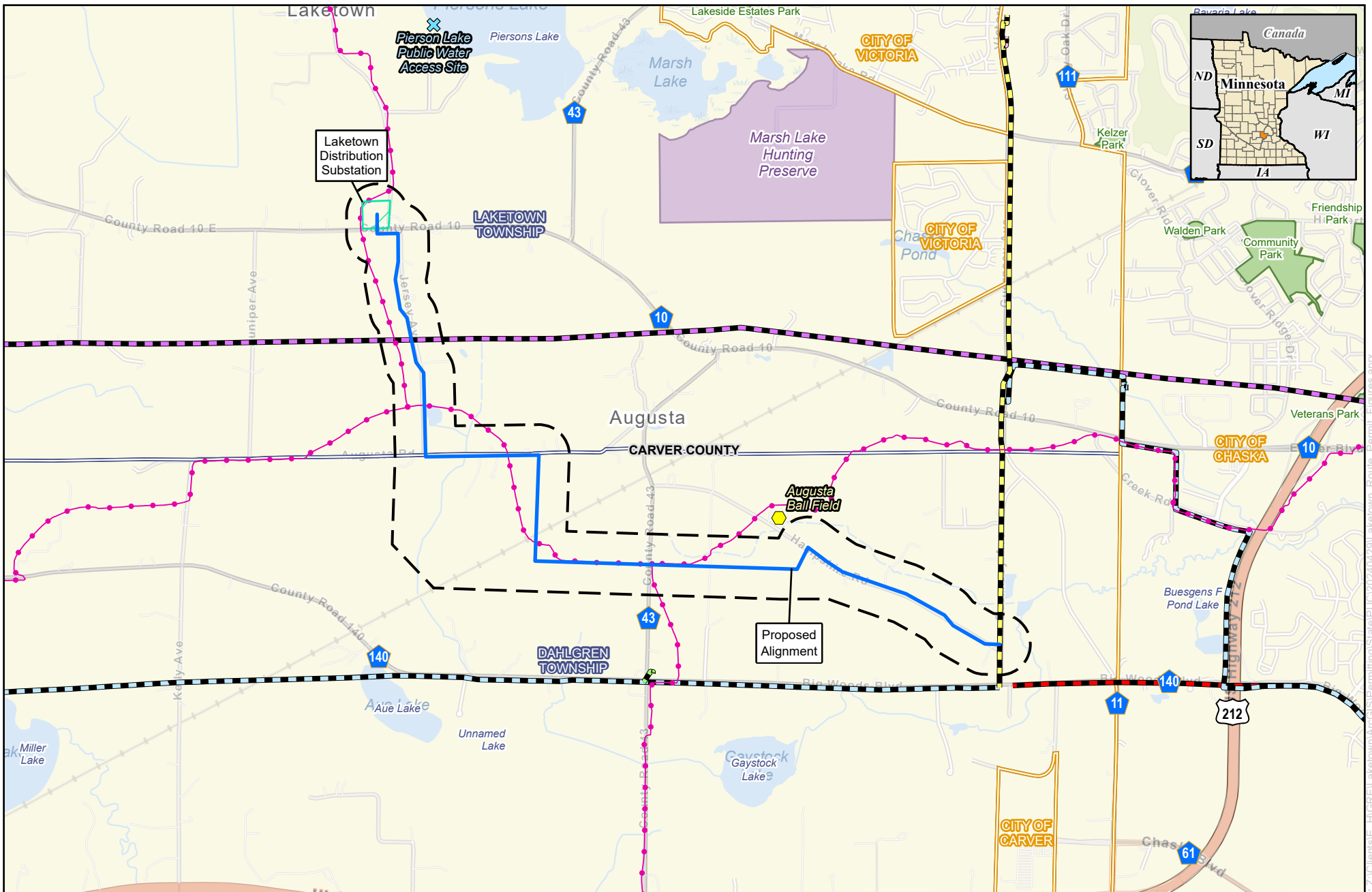
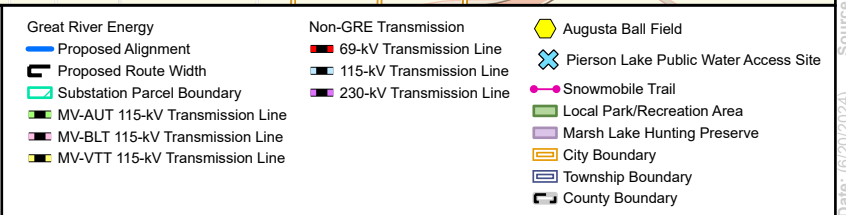


Figure 6-2
Laketown 115-kV Transmission Line Project
Recreation
Carver County, Minnesota



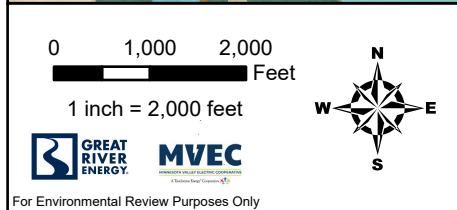
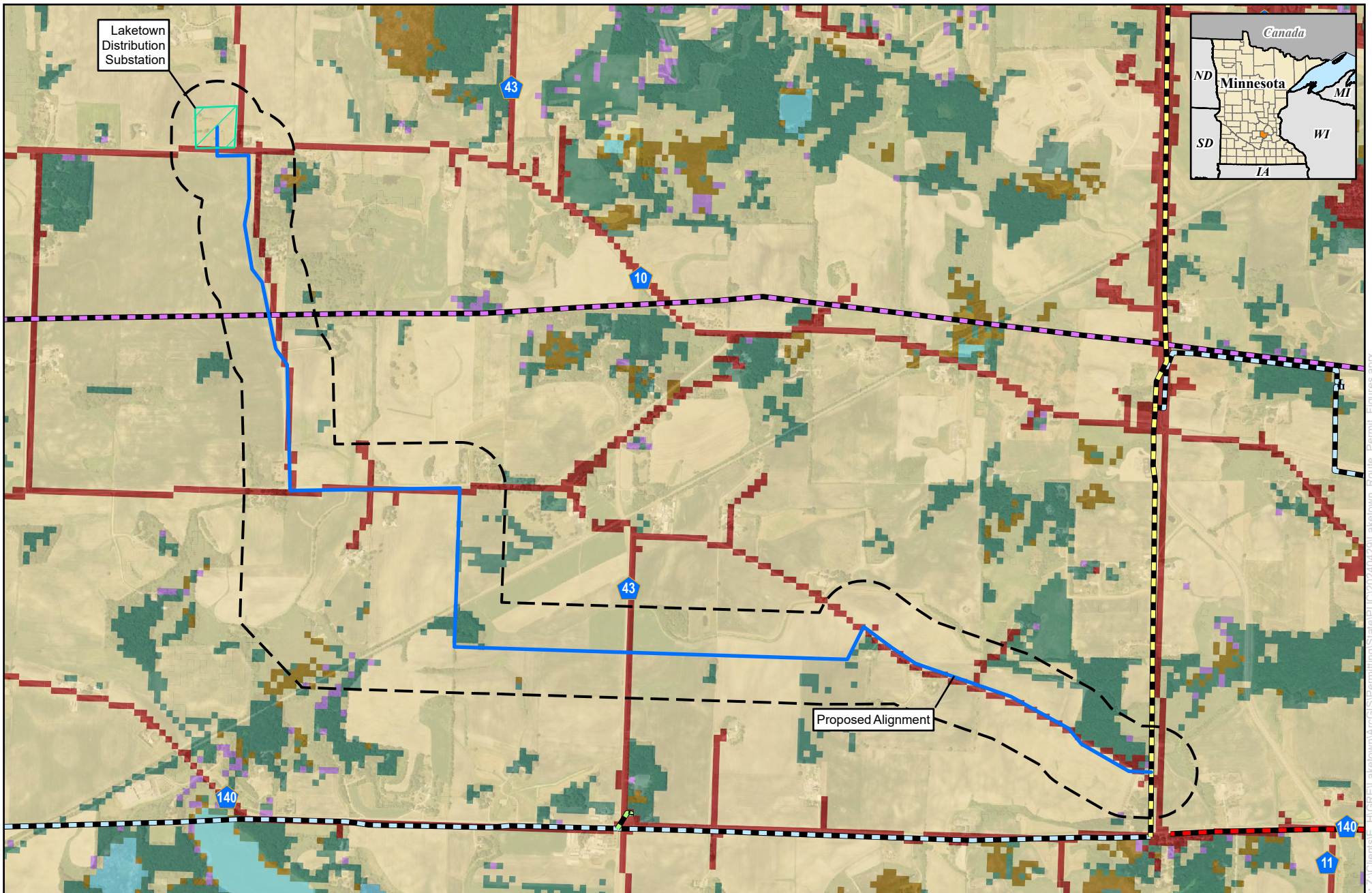
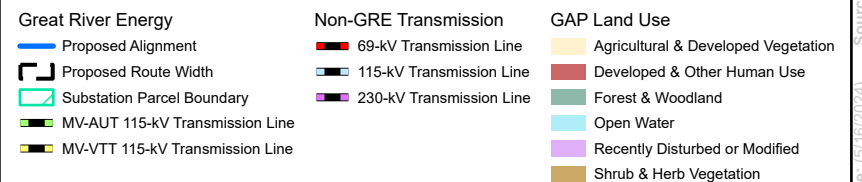


Figure 6-3
Laketown 115-kV Transmission Line Project
Land Use
Carver County, Minnesota



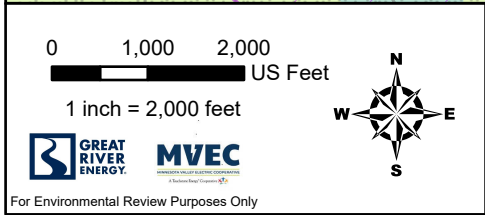
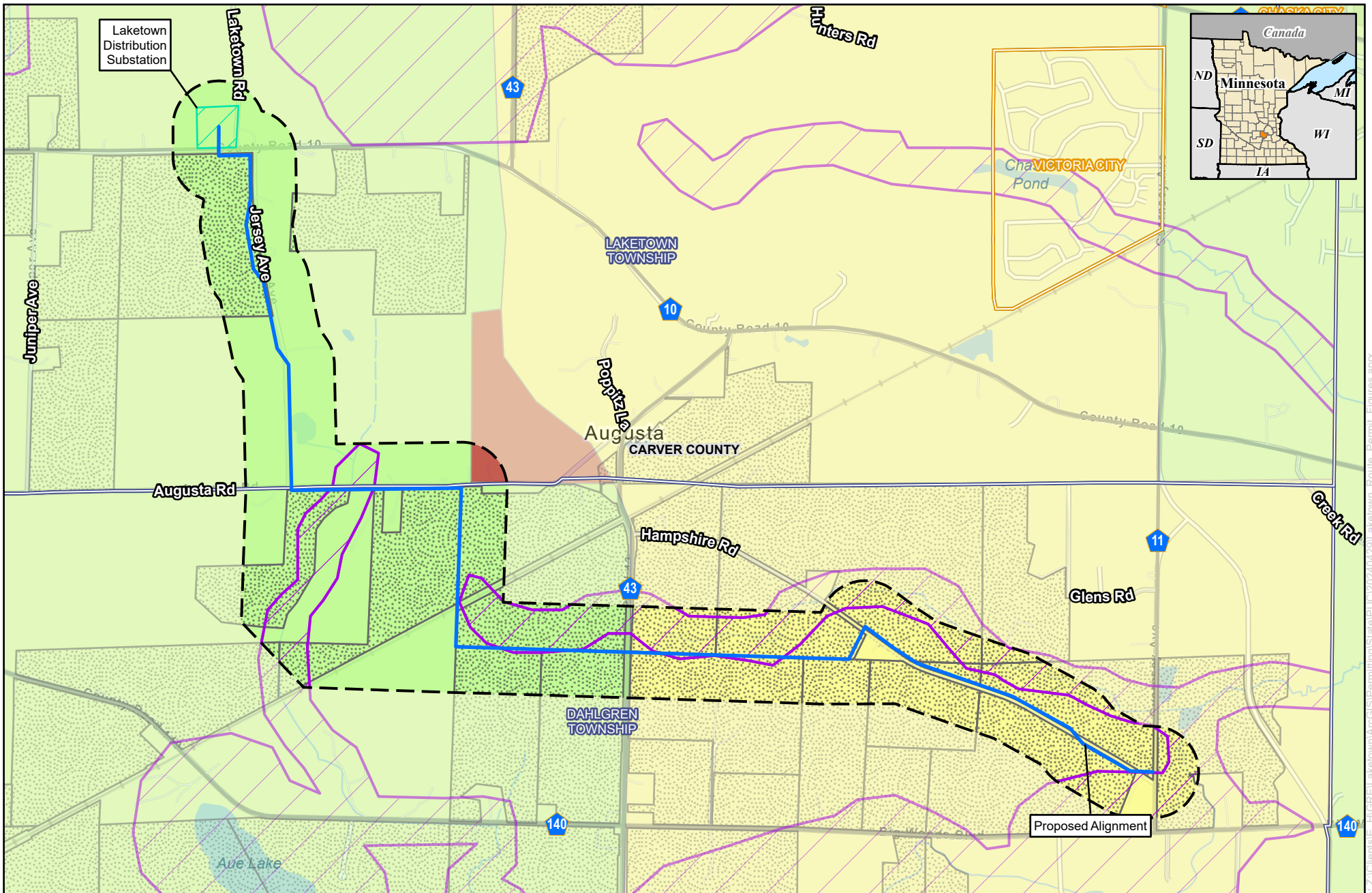
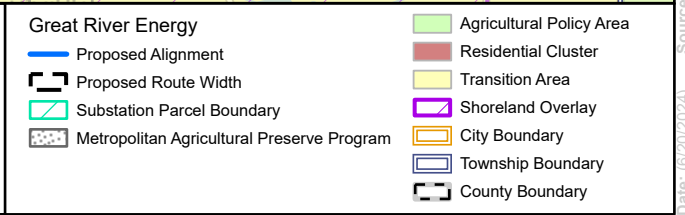
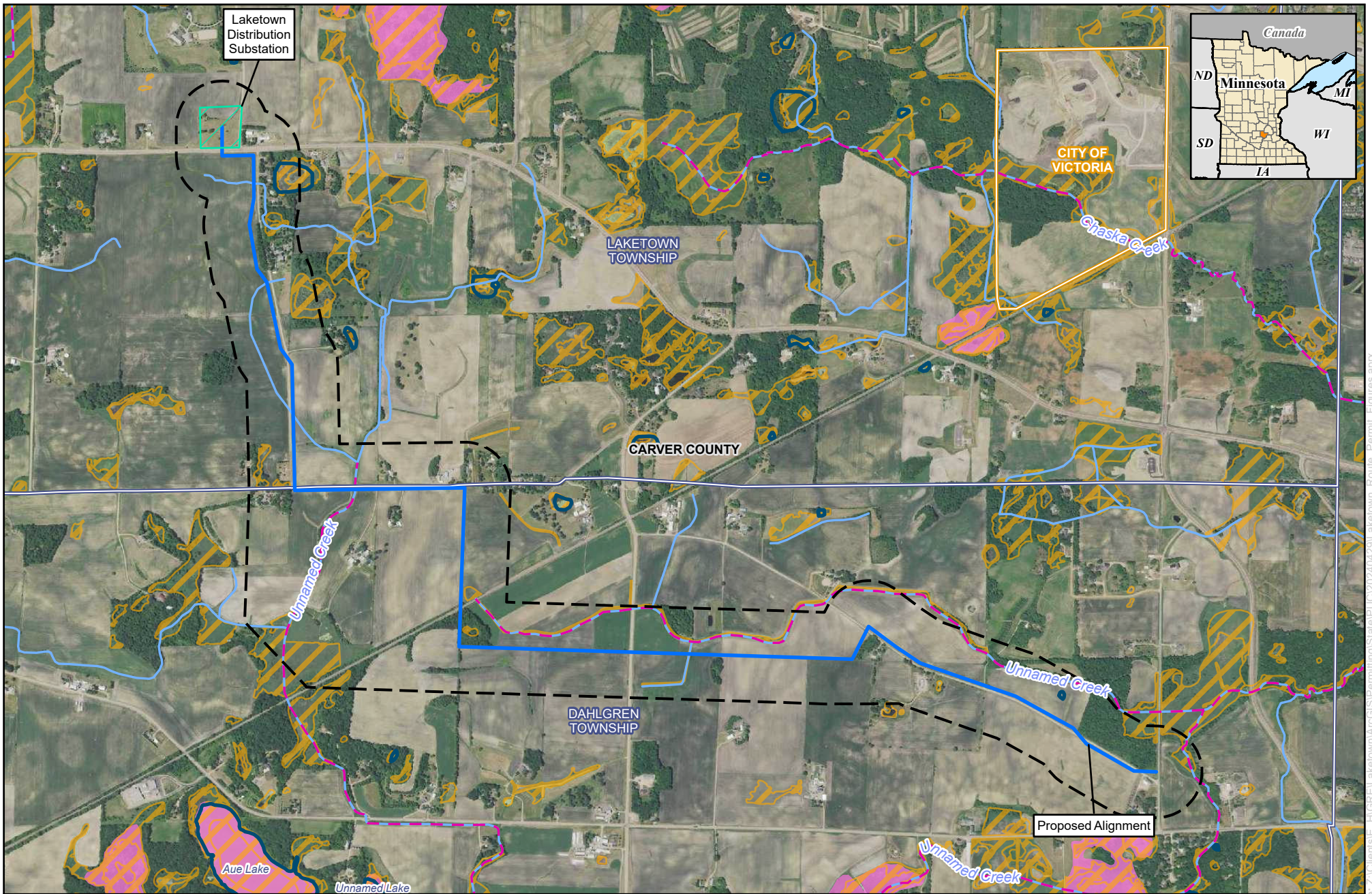


Figure 6-4
Laketown 115-kV Transmission Line Project
Zoning
Carver County, Minnesota





0 1,000 2,000 Feet

1 inch = 2,000 feet

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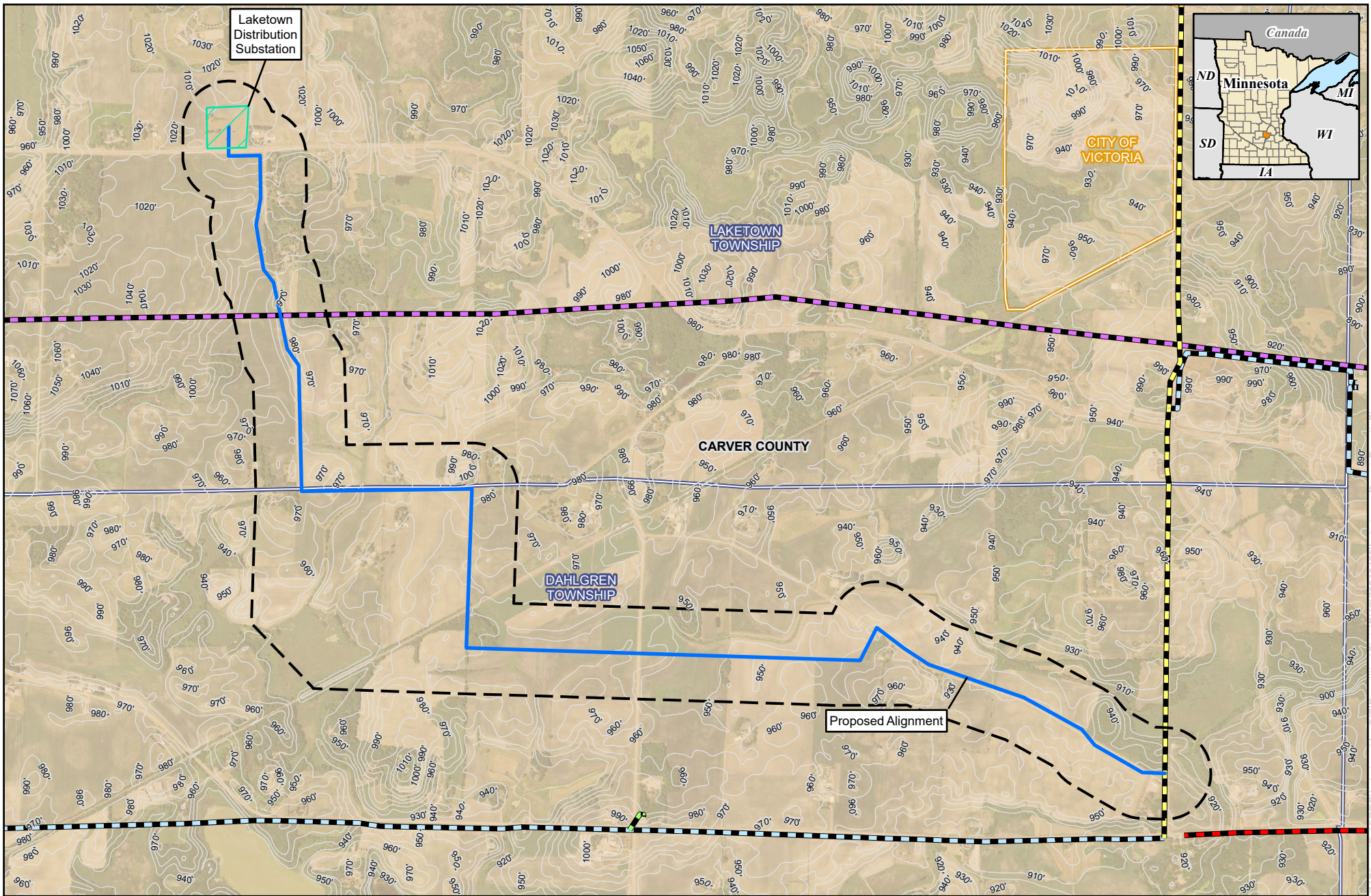
Figure 6-5

Laketown 115-kV Transmission Line Project

Water Features

Carver County, Minnesota

Great River Energy — Proposed Alignment ▭ Substation Parcel Boundary	— MDNR Hydrography Dataset Watercourse ▭ MDNR Hydrography Dataset Lake/Pond — PWI Watercourse ▭ PWI Basin ▨ NWI Wetland	▭ County Boundary ▭ City Boundary ▭ Township Boundary
--	--	--



0 1,000 2,000
Feet

1 inch = 2,000 feet

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Figure 6-6
Laketown 115-kV Transmission Line Project
 Soils and Topography
 Carver County, Minnesota

- | | | |
|---------------------------------|---------------------------------|----------------------------------|
| Great River Energy | MV-VTT 115-kV Transmission Line | City Boundary |
| Proposed Alignment | Non-GRE Transmission | Township Boundary |
| Proposed Route Width | 69-kV Transmission Line | County Boundary |
| Substation Parcel Boundary | 115-kV Transmission Line | Soils (STATSGO) |
| MV-AUT 115-kV Transmission Line | 230-kV Transmission Line | Lester-Kilkenny-Houghton (s3573) |
| | 10' Contour | |