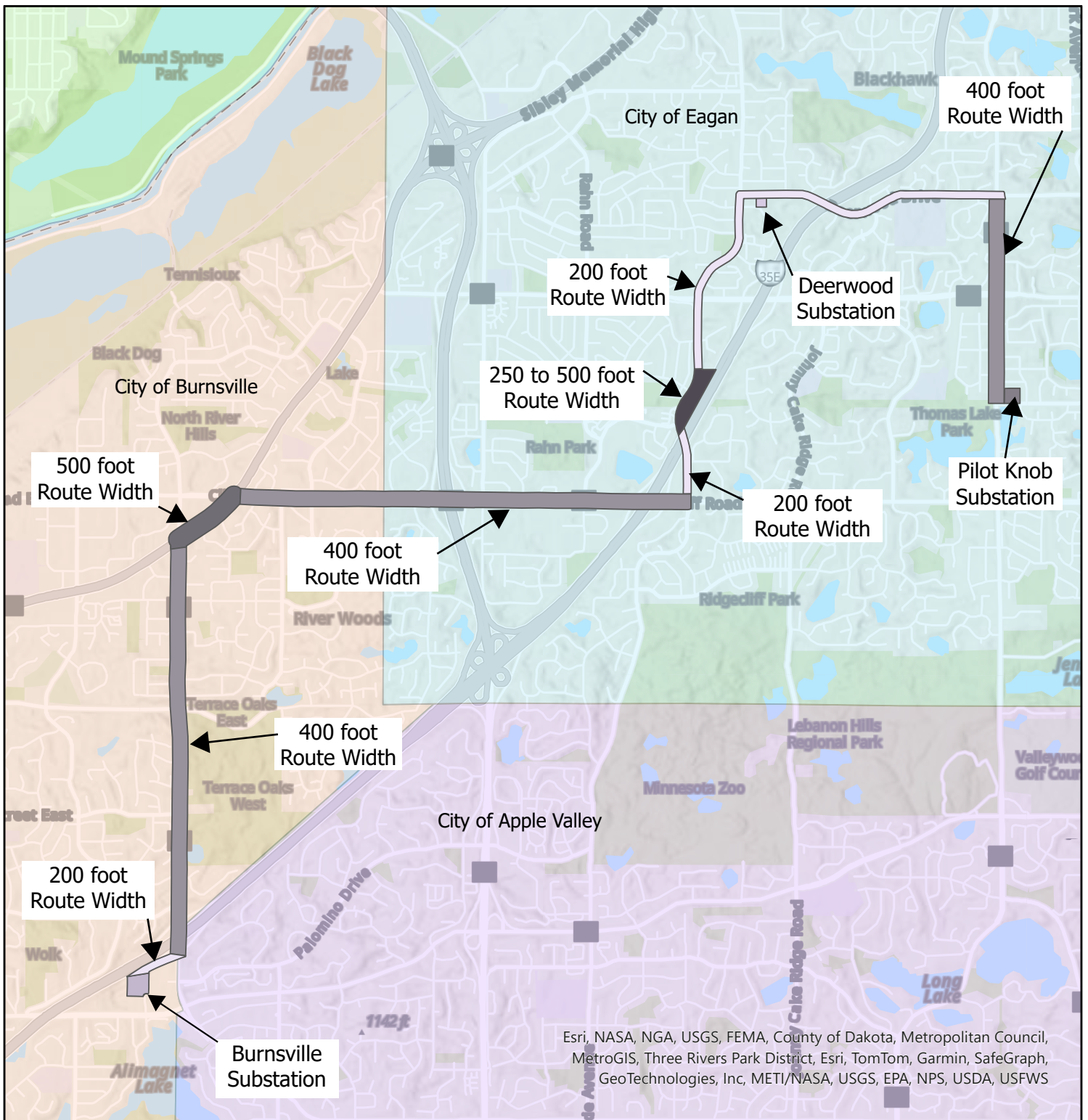
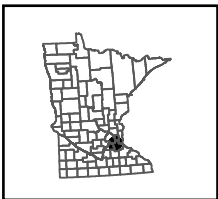


Appendix A Figures

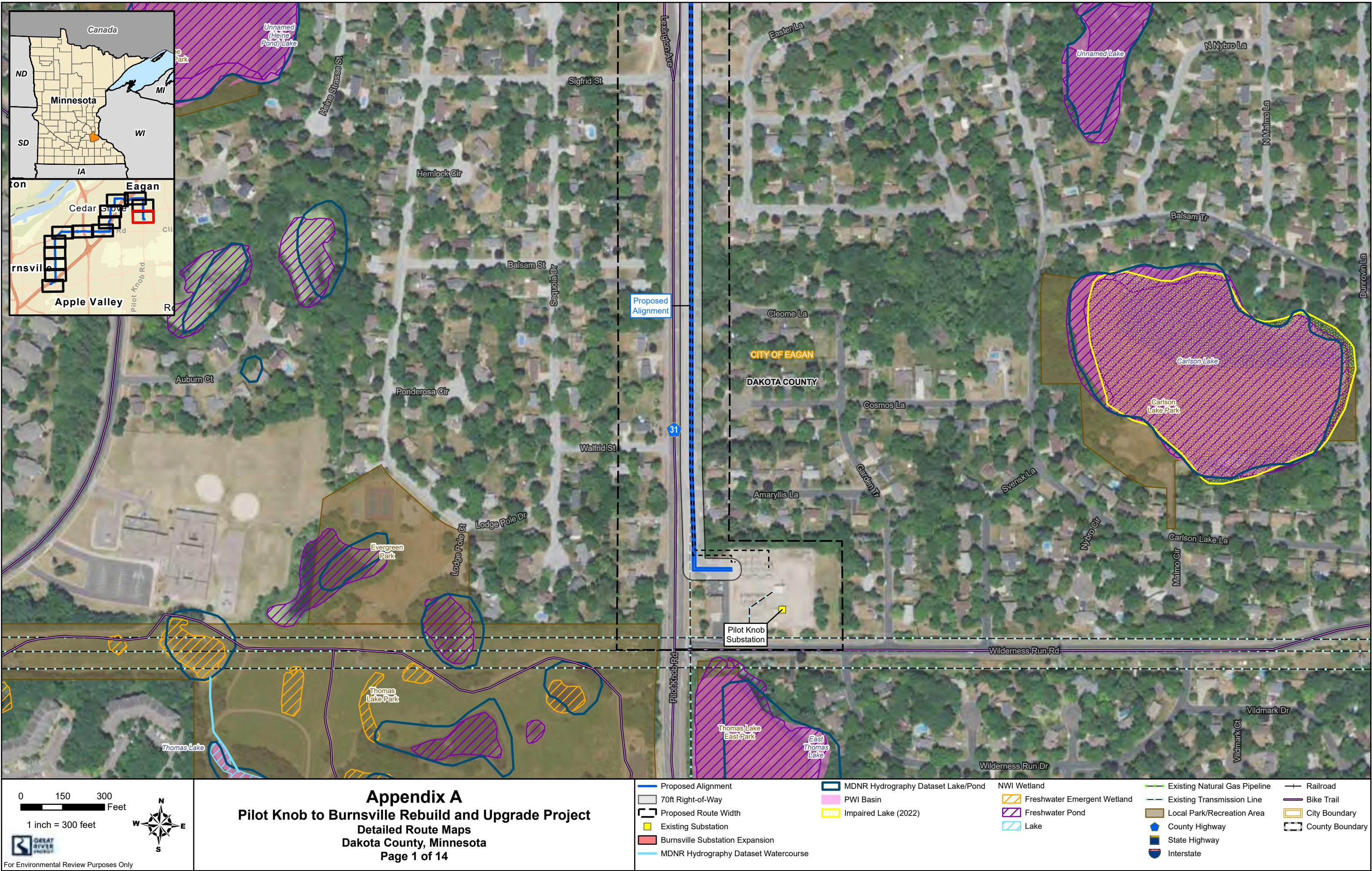


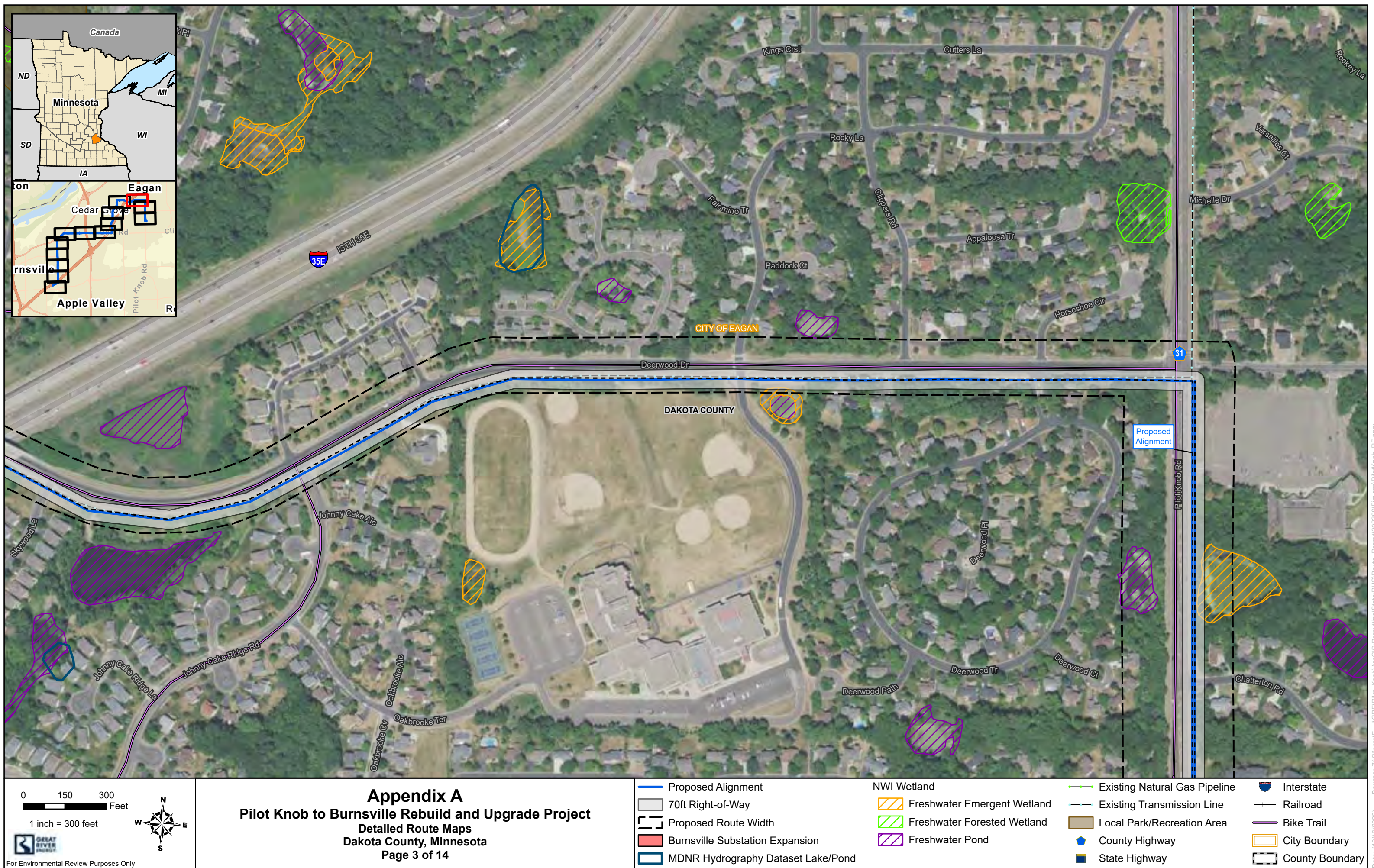
Pilot Knob to Burnsville 115 kV Rebuild and Upgrade Project

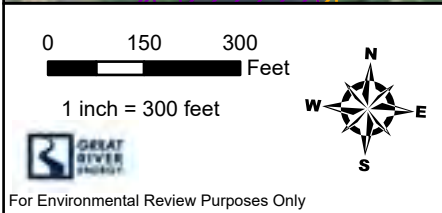
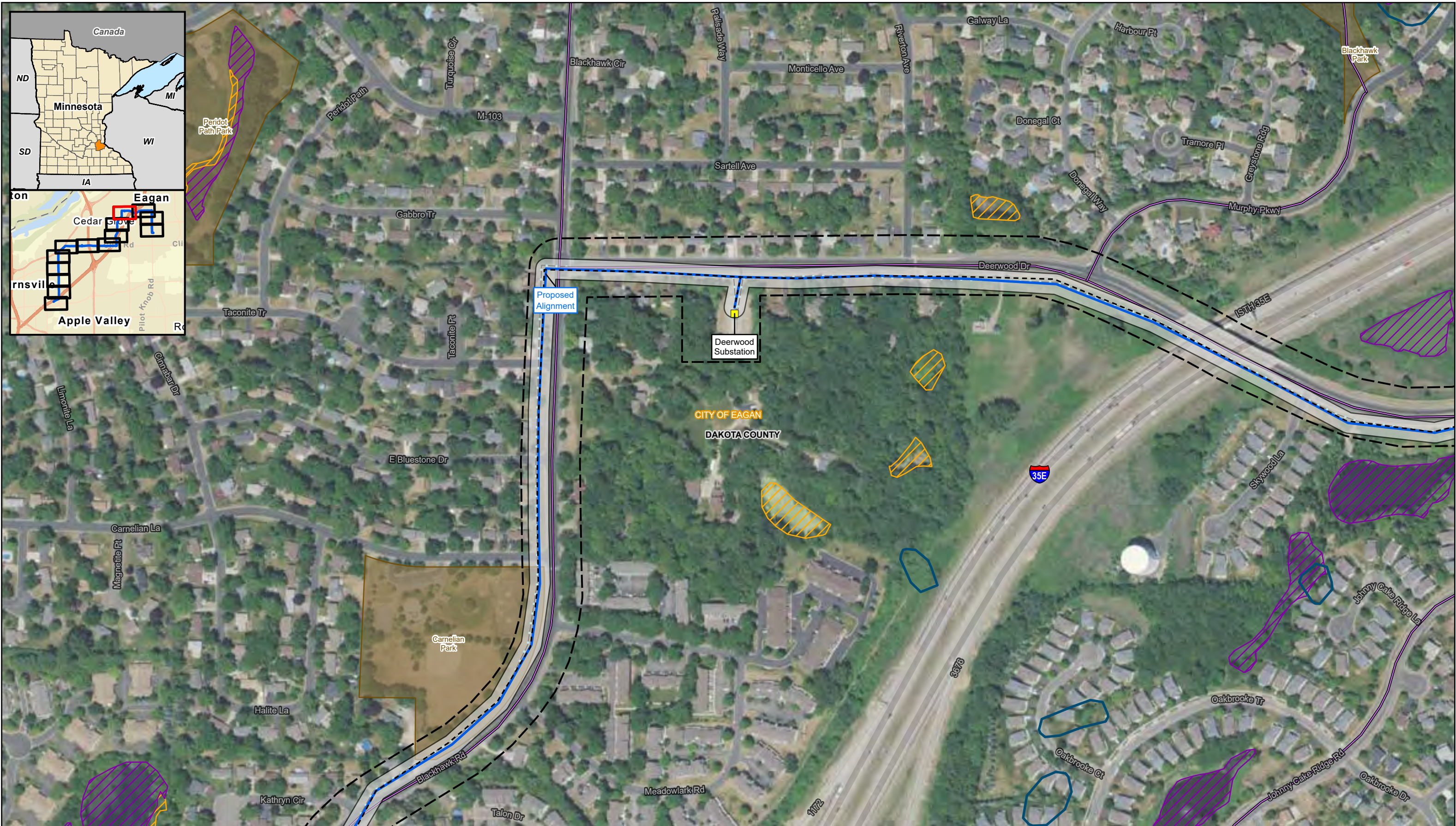


Route Width Provided by Great River Energy in its Application to the Minnesota Public Utilities Commission for a Route Permit for the Pilot Knob to Burnsville 115 kV Transmission Line Rebuild and Upgrade Project in Dakota County, Minnesota, Docket No. ET2/TL-23-410

Detailed Route Width Request from Application







Appendix A

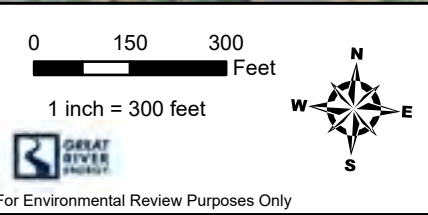
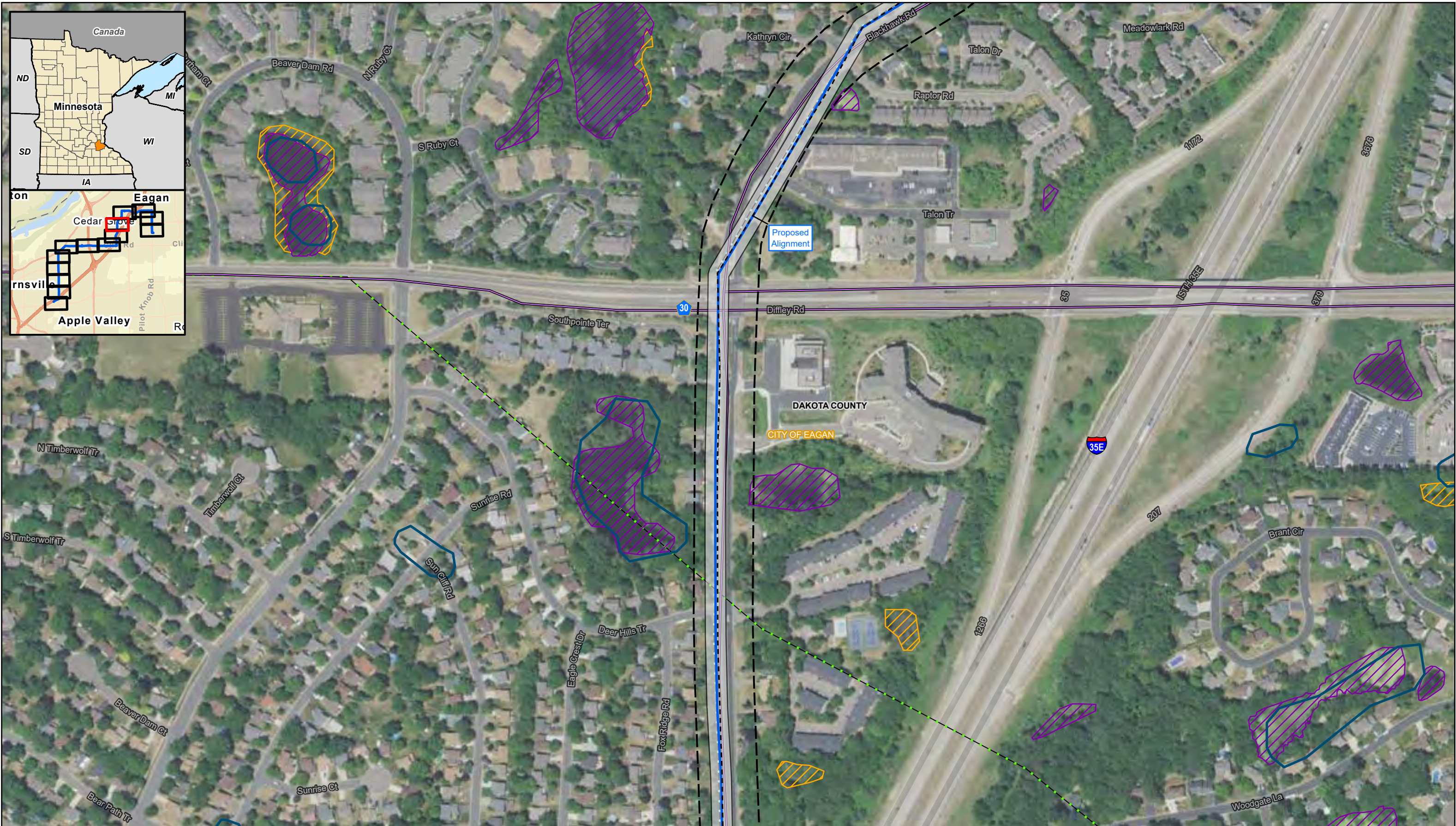
Pilot Knob to Burnsville Rebuild and Upgrade Project

Detailed Route Maps

Dakota County, Minnesota

Page 4 of 14

Proposed Alignment	MDNR Hydrography Dataset Lake/Pond	Existing Natural Gas Pipeline	Interstate
70ft Right-of-Way	Freshwater Emergent Wetland	Existing Transmission Line	Railroad
Proposed Route Width	Freshwater Pond	Local Park/Recreation Area	Bike Trail
Existing Substation		County Highway	City Boundary
Burnsville Substation Expansion		State Highway	County Boundary



Appendix A

Pilot Knob to Burnsville Rebuild and Upgrade Project

Detailed Route Maps

Dakota County, Minnesota

Page 5 of 14

Proposed Alignment	MDNR Hydrography Dataset Lake/Pond	Existing Natural Gas Pipeline	Interstate	County Boundary
70ft Right-of-Way	NW1 Wetland	Existing Transmission Line	Railroad	
Proposed Route Width	Freshwater Emergent Wetland	County Highway	Bike Trail	
Burnsville Substation Expansion	Freshwater Pond	State Highway	City Boundary	



0 150 300 Feet
1 inch = 300 feet

GREAT RIVER WATER

For Environmental Review Purposes Only

Appendix A

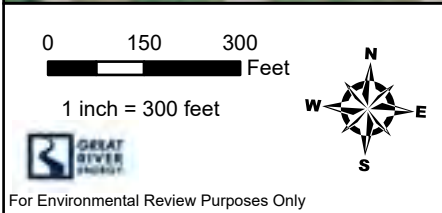
Pilot Knob to Burnsville Rebuild and Upgrade Project

Detailed Route Maps

Dakota County, Minnesota

Page 6 of 14

Proposed Alignment	Freshwater Emergent Wetland	Existing Natural Gas Pipeline	Railroad
70ft Right-of-Way	Freshwater Forested Wetland	Existing Transmission Line	Bike Trail
Proposed Route Width	Freshwater Pond	Local Park/Recreation Area	City Boundary
Burnsville Substation Expansion	Freshwater Shrub Wetland	County Highway	County Boundary
MDNR Hydrography Dataset Lake/Pond	Freshwater Shrub/Emergent Wetland	State Highway	
PWI Basin		Interstate	



Appendix A

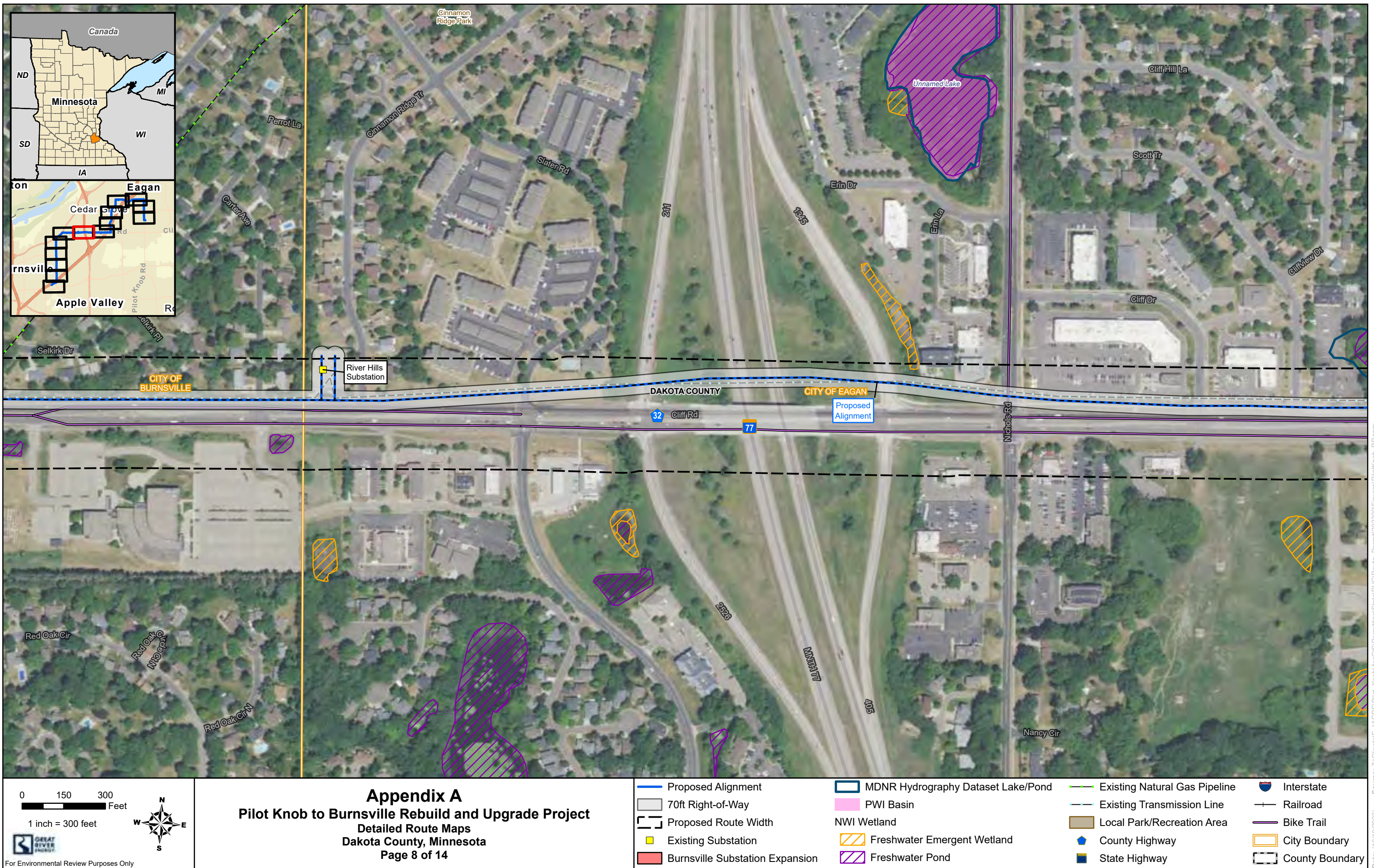
Pilot Knob to Burnsville Rebuild and Upgrade Project

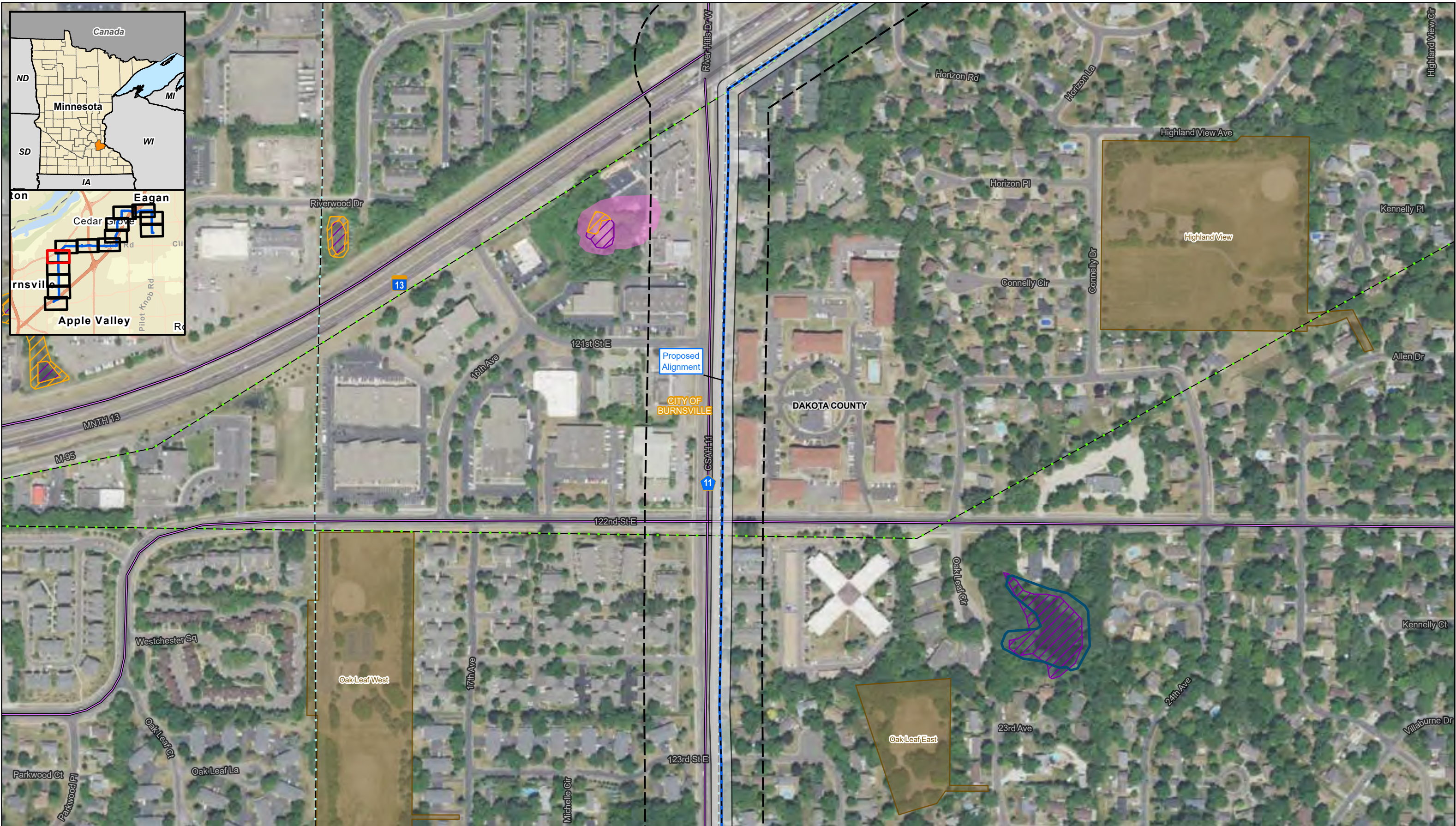
Detailed Route Maps

Dakota County, Minnesota

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	Proposed Alignment		NWI Wetland		Existing Natural Gas Pipeline		Railroad
	70ft Right-of-Way		Freshwater Emergent Wetland		Existing Transmission Line		Local Park/Recreation Area
	Proposed Route Width		Freshwater Forested Wetland				County Highway
	Burnsville Substation Expansion		Freshwater Pond				State Highway
	MDNR Hydrography Dataset Lake/Pond		Freshwater Shrub Wetland				Interstate
	PWI Basin		Freshwater Shrub/Emergent Wetland				Bike Trail
							City Boundary
							County Boundary





0 150 300 Feet
1 inch = 300 feet





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Appendix A

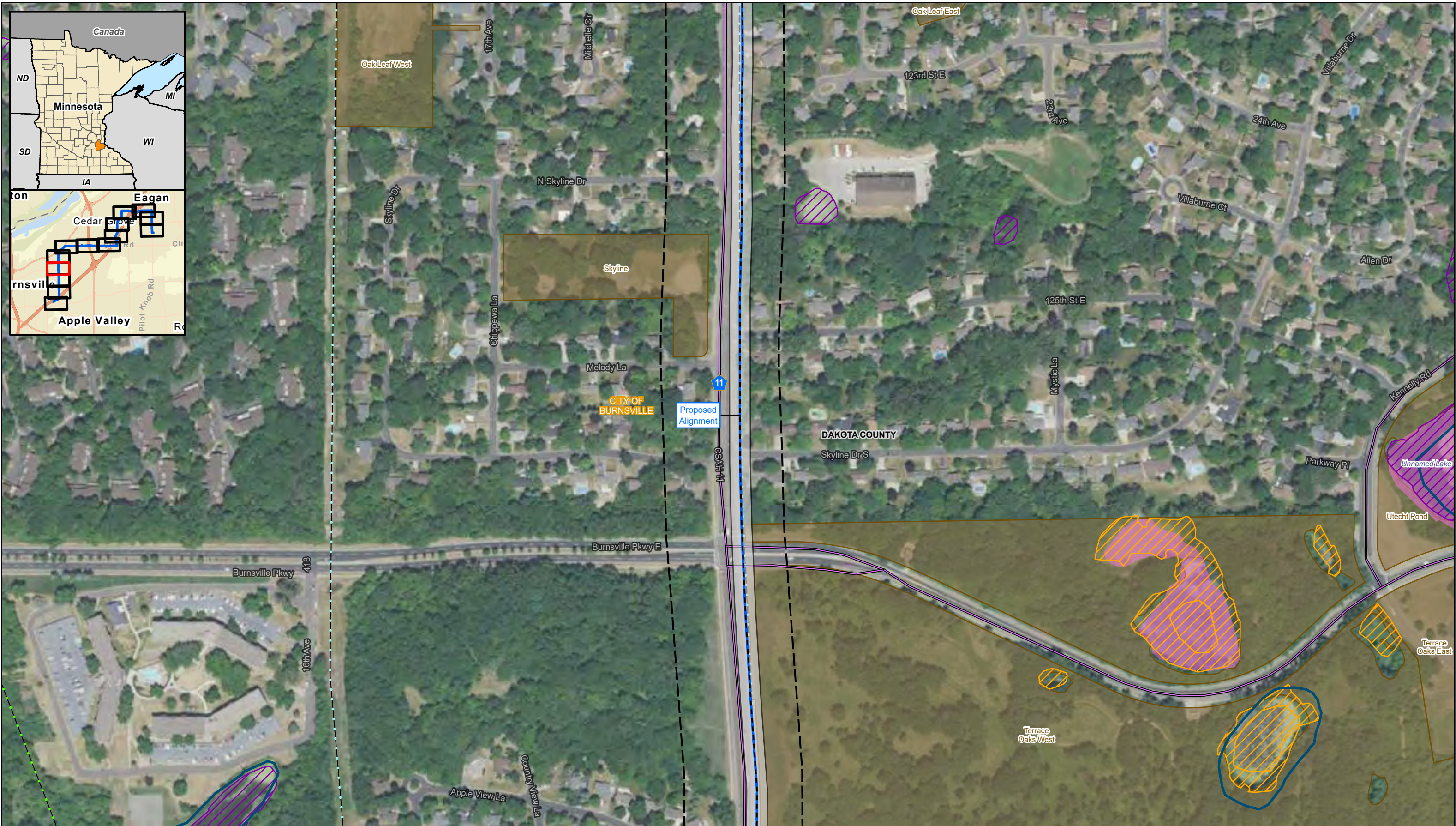
Pilot Knob to Burnsville Rebuild and Upgrade Project

Detailed Route Maps

Dakota County, Minnesota

Page 10 of 14

 Proposed Alignment	 PWI Basin	 Existing Natural Gas Pipeline	 Interstate
 70ft Right-of-Way	 NWI Wetland	 Existing Transmission Line	 Railroad
 Proposed Route Width	 Freshwater Emergent Wetland	 Local Park/Recreation Area	 Bike Trail
 Burnsville Substation Expansion	 Freshwater Pond	 County Highway	 City Boundary
 MDNR Hydrography Dataset Lake/Pond		 State Highway	 County Boundary



0150300

Feet

1 inch = 300 feet

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Appendix A

Pilot Knob to Burnsville Rebuild and Upgrade Project

Detailed Route Maps

Dakota County, Minnesota

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	Proposed Alignment		PWI Basin		Existing Natural Gas Pipeline		Interstate
	70ft Right-of-Way		NWI Wetland		Existing Transmission Line		Railroad
	Proposed Route Width		Freshwater Emergent Wetland		Local Park/Recreation Area		Bike Trail
	Burnsville Substation Expansion		Freshwater Pond		County Highway		City Boundary
	MDNR Hydrography Dataset Lake/Pond				State Highway		County Boundary



0150300

Feet

1 inch = 300 feet

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Appendix A

Pilot Knob to Burnsville Rebuild and Upgrade Project

Detailed Route Maps

Dakota County, Minnesota

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Proposed Alignment

70ft Right-of-Way

Proposed Route Width

Burnsville Substation Expansion

MDNR Hydrography Dataset Lake/Pond

PWI Basin

NWI Wetland

Freshwater Emergent Wetland

Freshwater Pond

Existing Natural Gas Pipeline

Existing Transmission Line

Local Park/Recreation Area

County Highway

State Highway

Interstate

Railroad

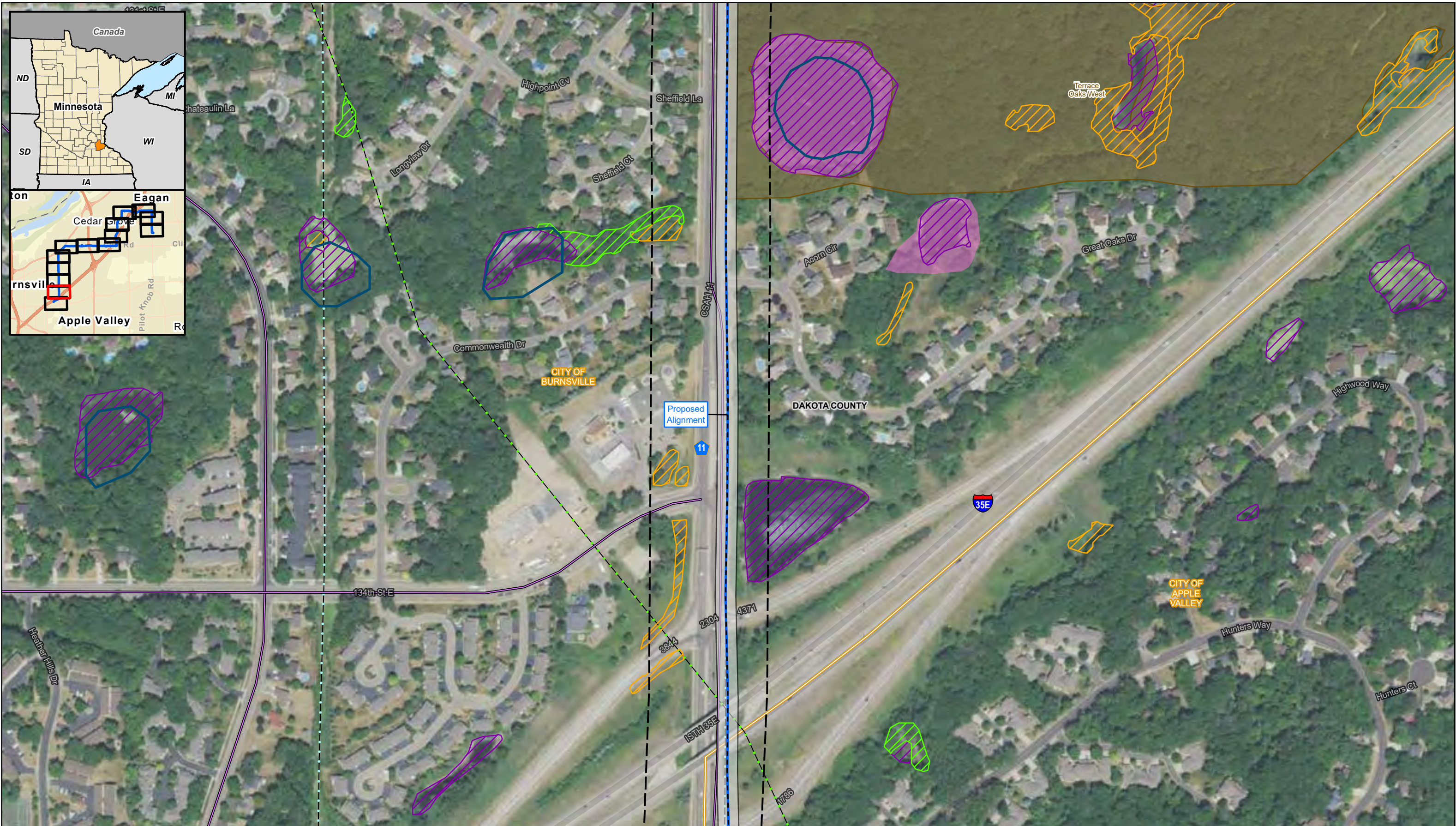
Bike Trail

City Boundary

County Boundary

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Date: (10/19/2023)



0150300

Feet

1 inch = 300 feet

For Environmental Review Purposes Only

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Appendix A

Pilot Knob to Burnsville Rebuild and Upgrade Project

Detailed Route Maps

Dakota County, Minnesota

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Proposed Alignment

70ft Right-of-Way

Proposed Route Width

Burnsville Substation Expansion

MDNR Hydrography Dataset Lake/Pond

PWI Basin

NWI Wetland

Freshwater Emergent Wetland

Freshwater Forested Wetland

Freshwater Pond

Existing Natural Gas Pipeline

Existing Transmission Line

Local Park/Recreation Area

County Highway

State Highway

Interstate

Railroad

Bike Trail

City Boundary

County Boundary

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Date: (10/19/2023)



0 150 300 Feet
1 inch = 300 feet

For Environmental Review Purposes Only

Appendix A

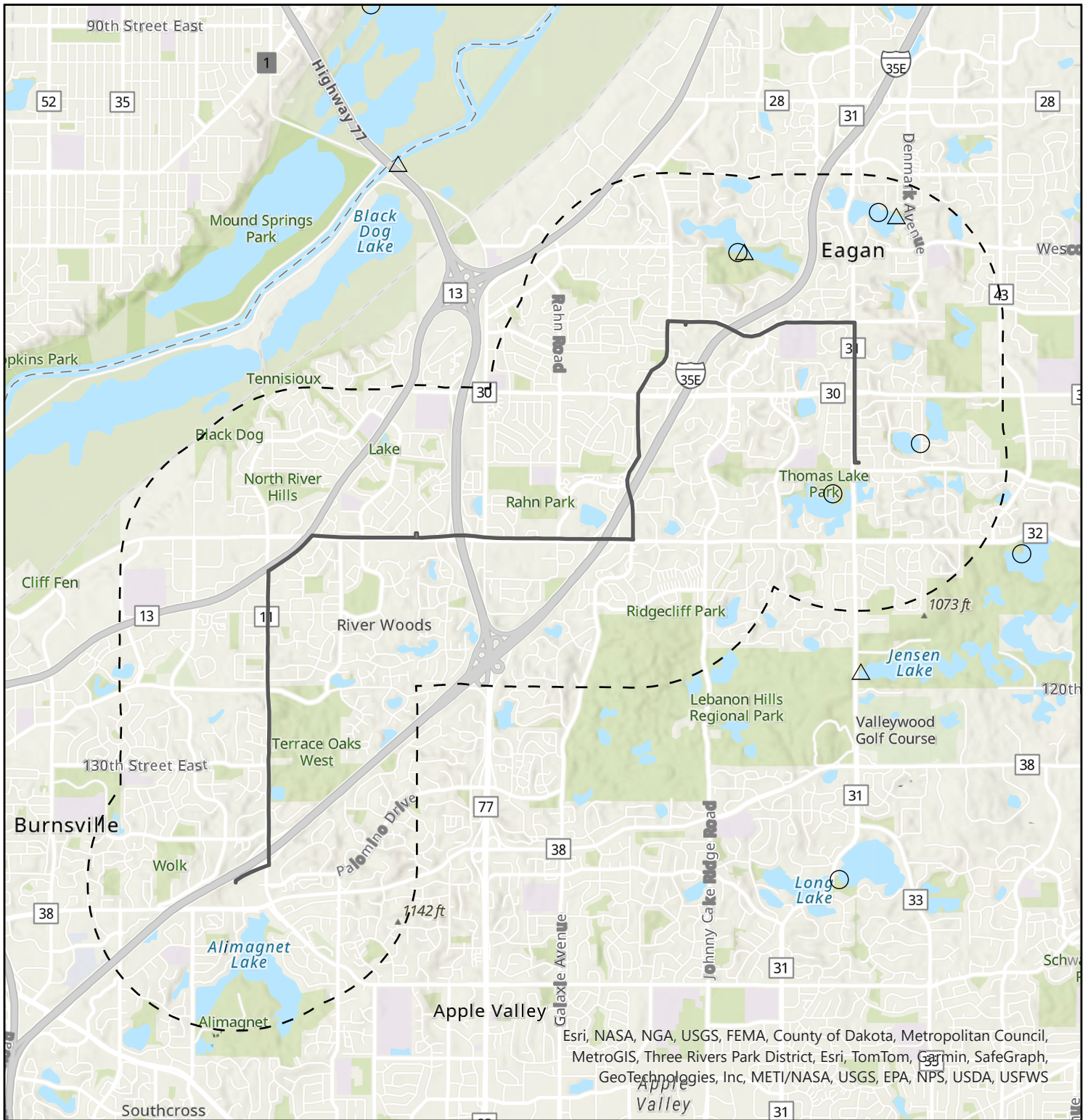
Pilot Knob to Burnsville Rebuild and Upgrade Project

Detailed Route Maps

Dakota County, Minnesota

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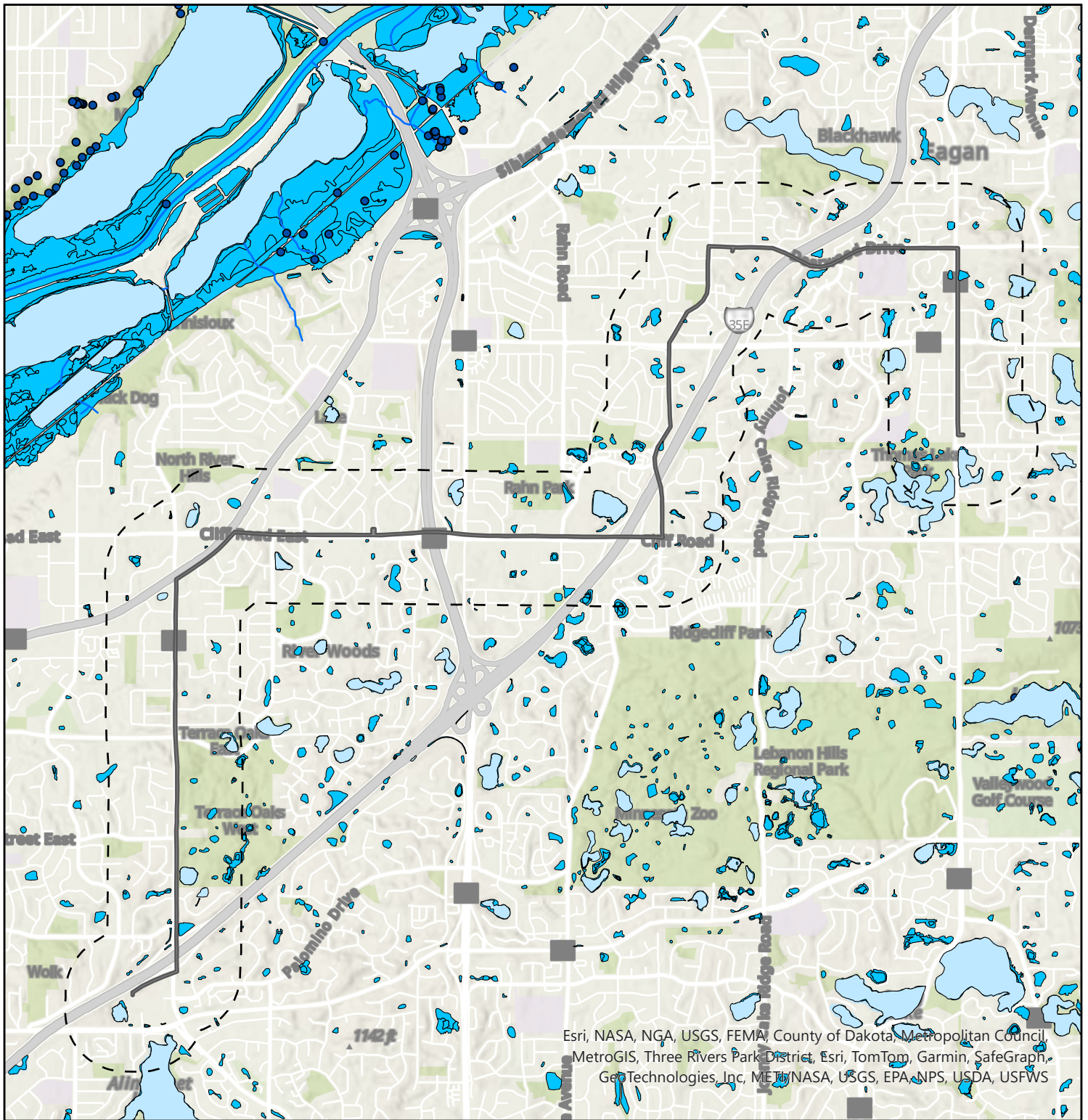
Proposed Alignment	PWI Basin	Freshwater Emergent Wetland	Existing Natural Gas Pipeline	Railroad
70ft Right-of-Way	Impaired Lake (2022)	Freshwater Forested Wetland	Existing Transmission Line	Bike Trail
Proposed Route Width		Freshwater Pond	Local Park/Recreation Area	City Boundary
Existing Substation		Lake	County Highway	County Boundary
Burnsville Substation Expansion			State Highway	
MDNR Hydrography Dataset Lake/Pond			Interstate	



Pilot Knob to Burnsville 115 kV Rebuild and Upgrade Project

Legend

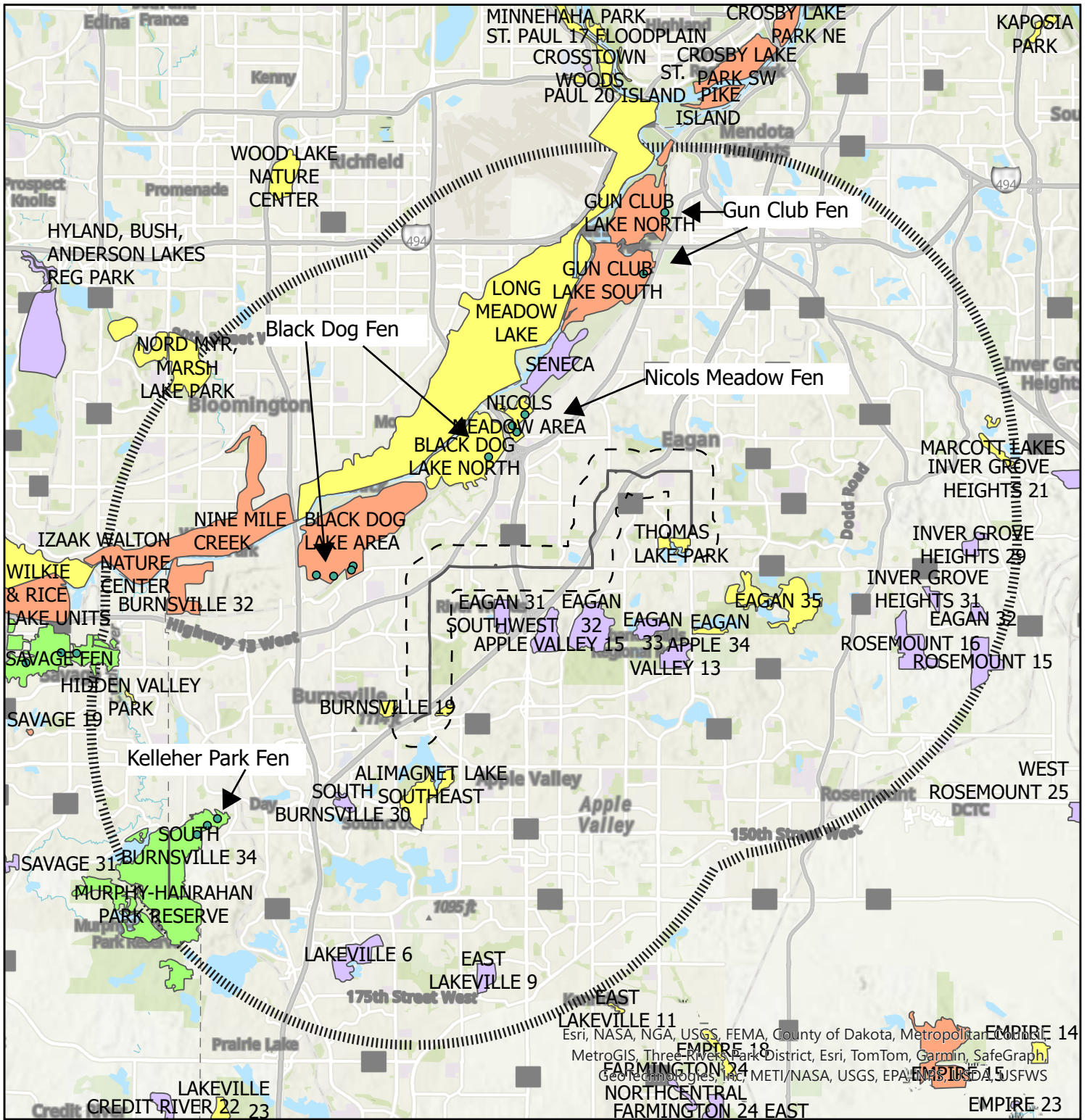
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|--|---|---|
|  Pilot Knob Rebuild and Upgrade Project |  Project Area (1 mile) |  Public Water Access |
| |  Public Fishing Access | |



Pilot Knob to Burnsville 115 kV Rebuild and Upgrade Project

- Project Vicinity (1600 ft)
- Water Basin
- Spring
- Stream
- Wetland
- Pilot Knob Rebuild and Upgrade Project

Figure 3 Surface Water Resources
in the Project Vicinity



Pilot Knob to Burnsville 115 kV Rebuild and Upgrade Project

- Pilot Knob Rebuild and Upgrade Project
- Calcareous Fen

- Area of Biodiversity Significance
- Below
- Moderate
- High
- Outstanding

- Project Vicinity (1600 ft)
- 5 mile buffer



Figure 4 Sites of Biodiversity Significance and Calcareous Fens

0 0.5 1 2 Miles

