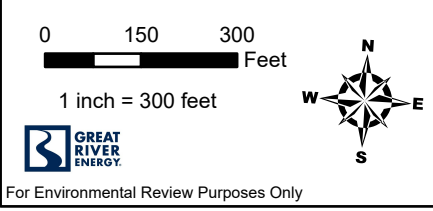
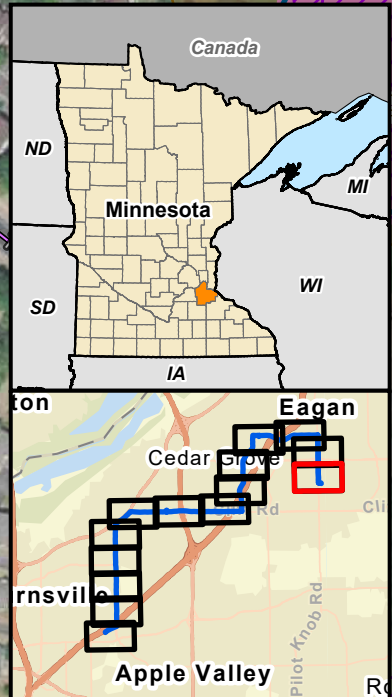
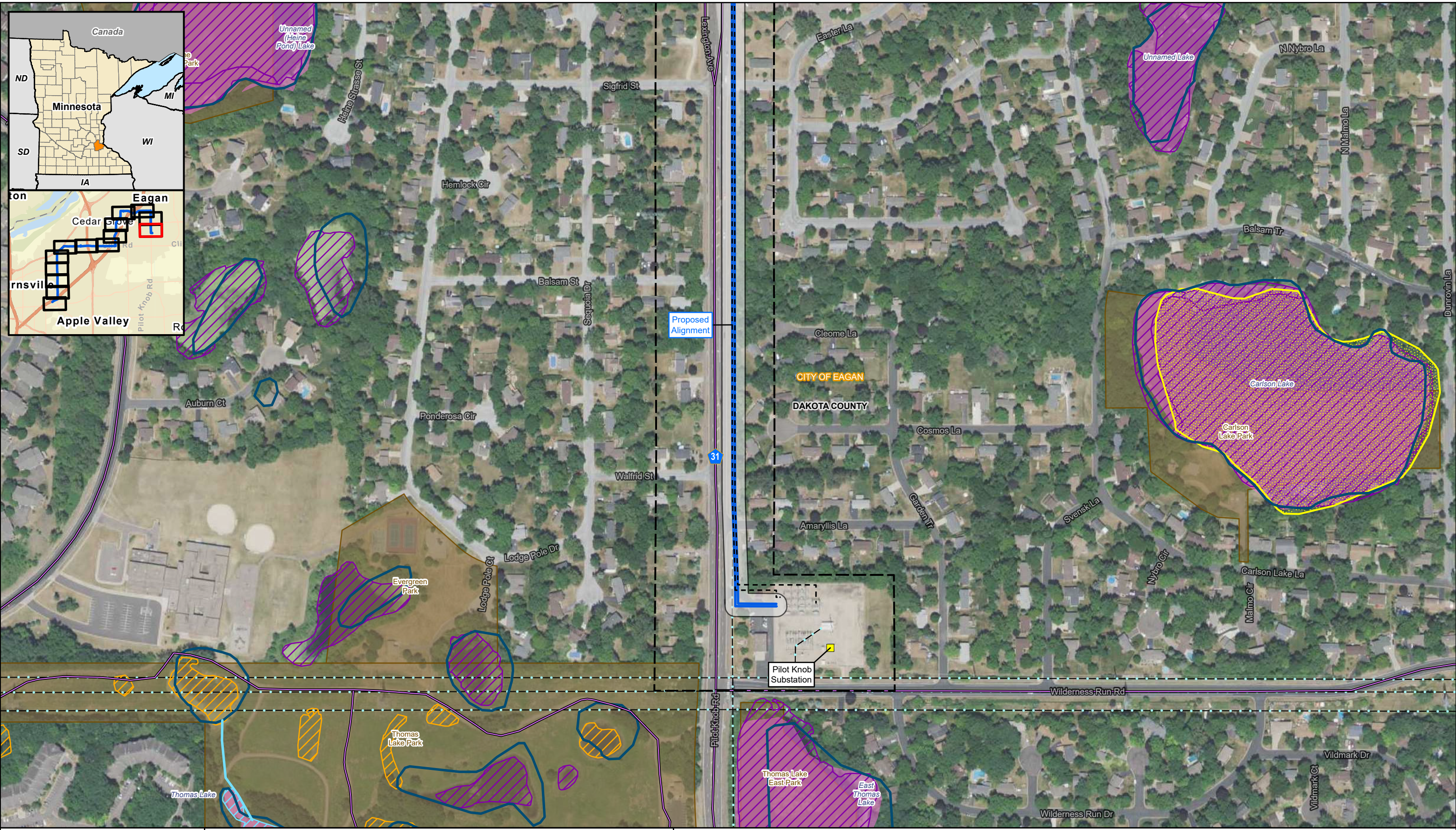


## **Appendix A**

### Detailed Route Maps



## Appendix A

### Pilot Knob to Burnsville Rebuild and Upgrade Project

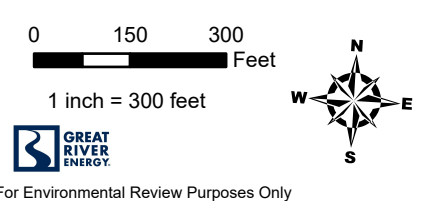
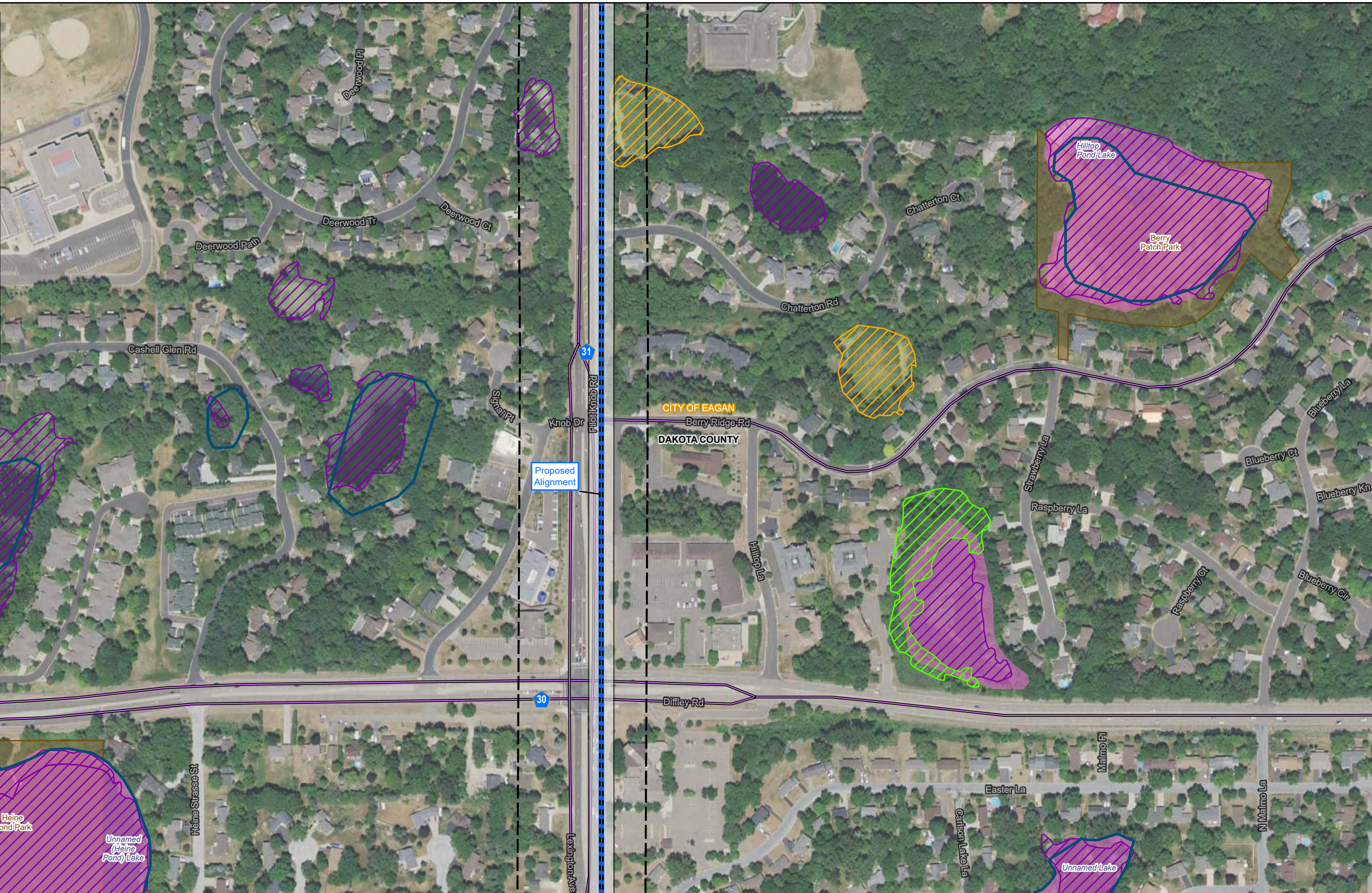
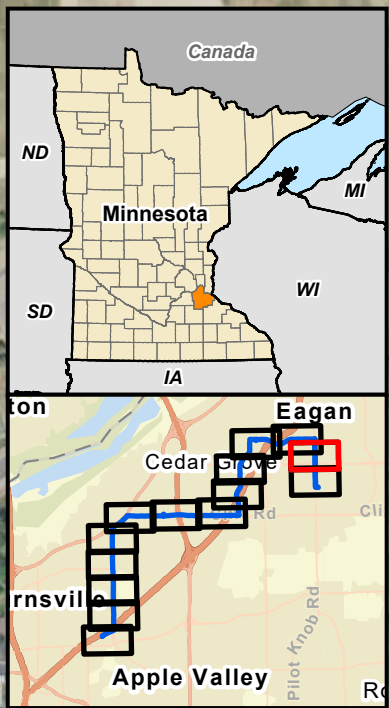
#### Detailed Route Maps

Dakota County, Minnesota

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

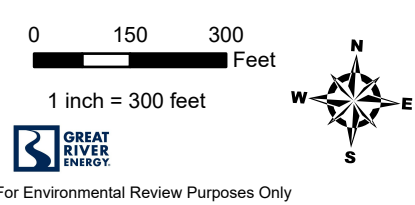
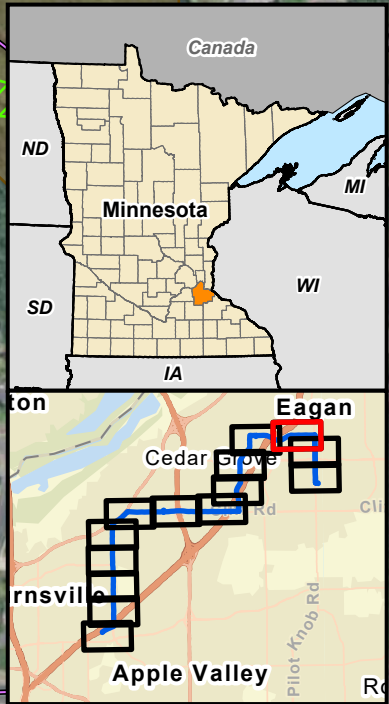
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**Appendix A**  
**Pilot Knob to Burnsville Rebuild and Upgrade Project**  
**Detailed Route Maps**  
**Dakota County, Minnesota**  
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Proposed Alignment	PWI Basin	Existing Natural Gas Pipeline	Interstate
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 Forested Wetland	County Highway	City Boundary
MDNR Hydrography Dataset Lake/Pond	Freshwater Pond	State Highway	County Boundary

Date: 10/19/2023 Source: Z:\Clients\E\_HYGRE\Pilot\_Knob\ArcGIS\Permitting\State\PUC\Route\_Permit\2022059\Figures\PilotKnob\_RP.aprx



### Appendix A

#### Pilot Knob to Burnsville Rebuild and Upgrade Project

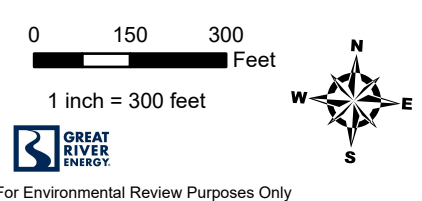
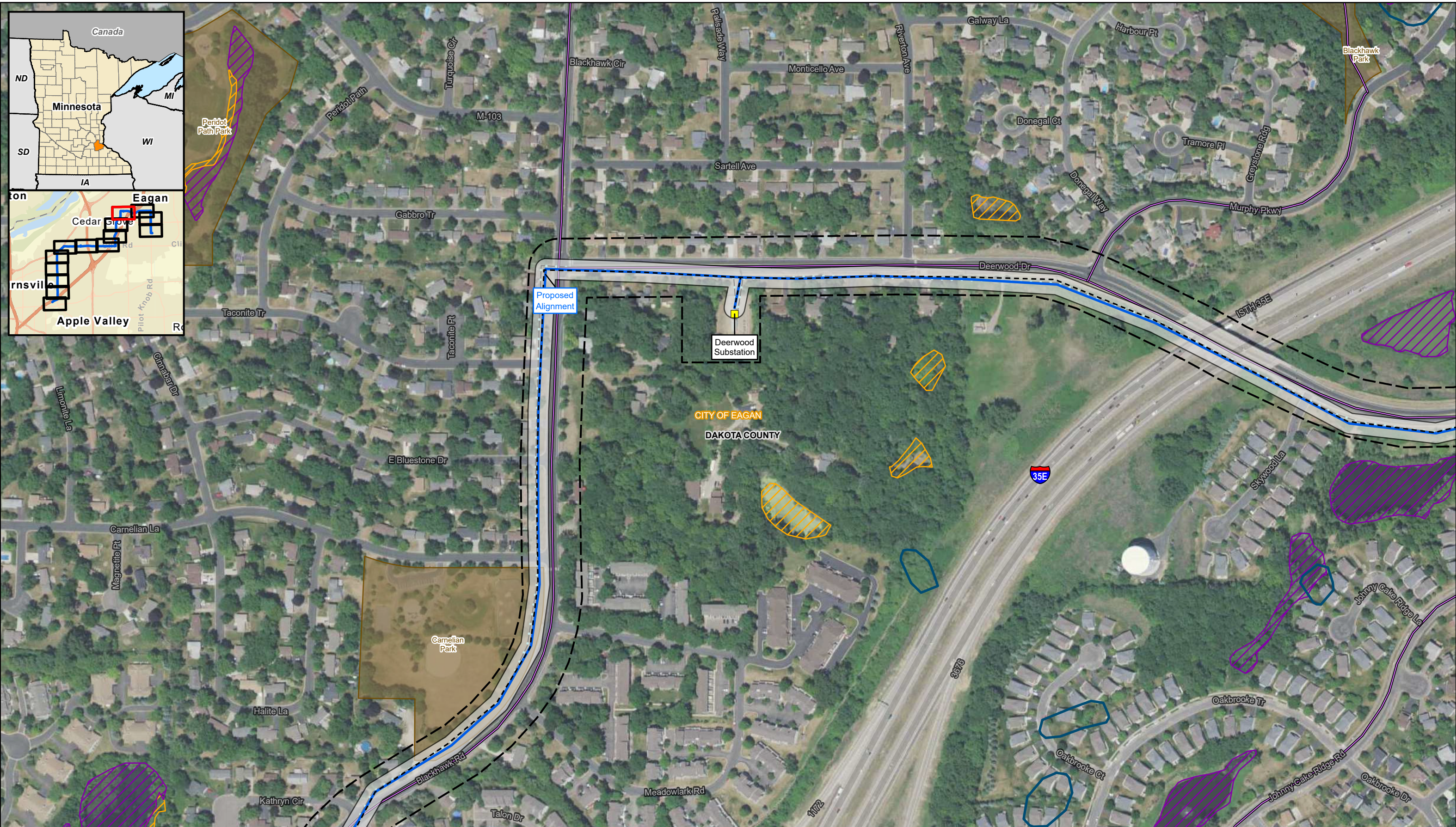
##### Detailed Route Maps

##### Dakota County, Minnesota

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

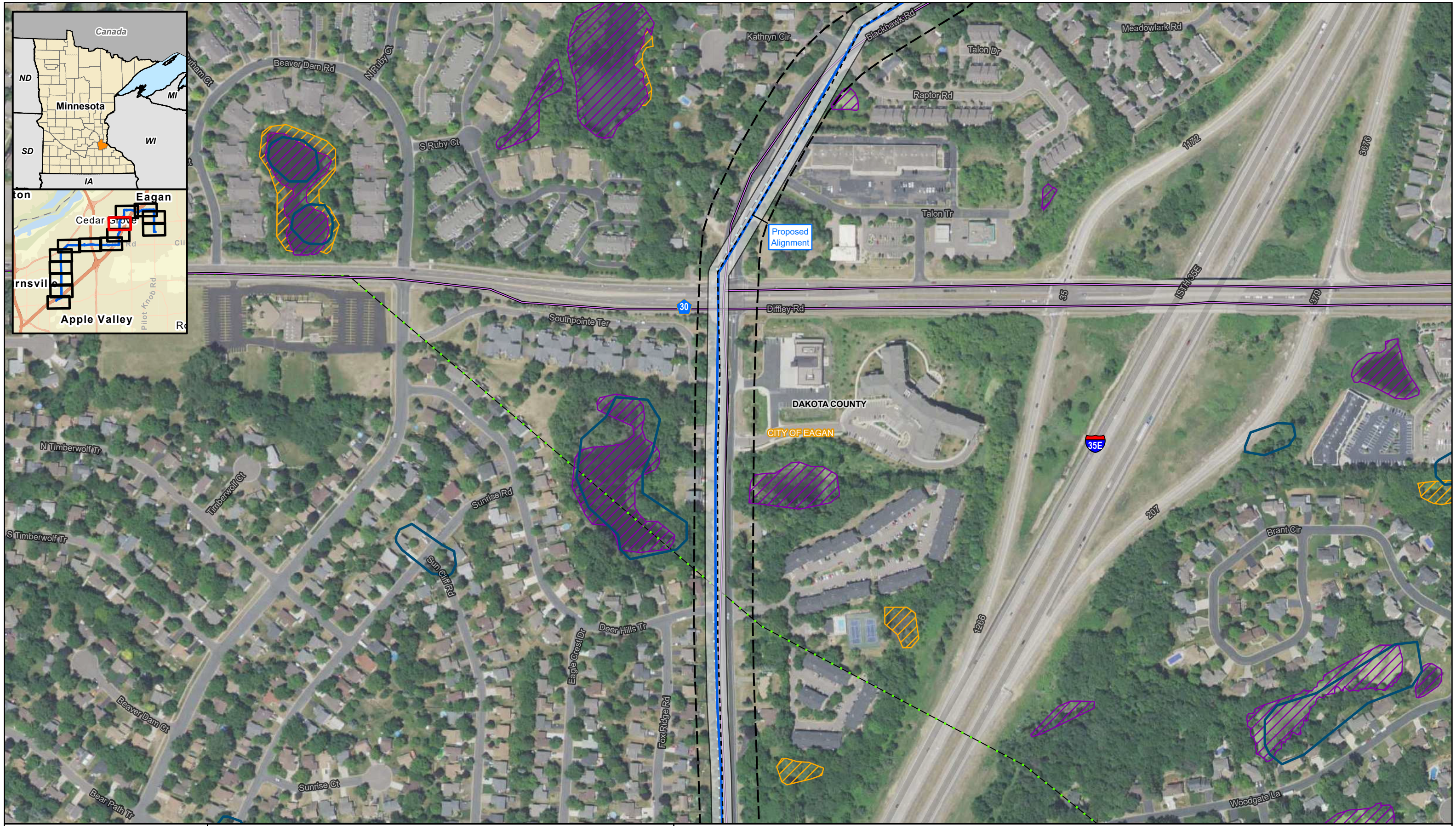
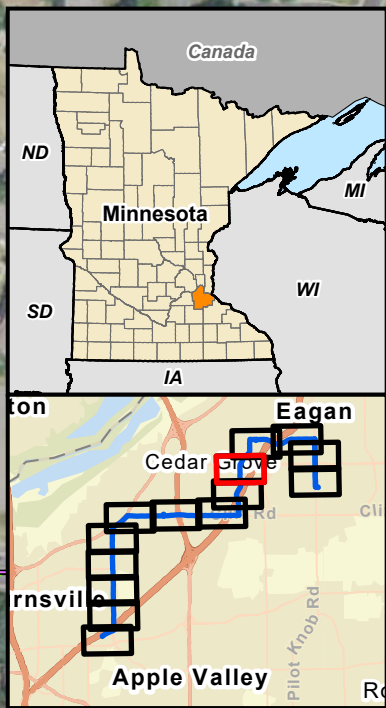
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**Appendix A**  
**Pilot Knob to Burnsville Rebuild and Upgrade Project**  
**Detailed Route Maps**  
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Proposed Alignment	MDNR Hydrography Dataset Lake/Pond	Existing Natural Gas Pipeline	Interstate
70ft Right-of-Way	NWI Wetland	Existing Transmission Line	Railroad
Proposed Route Width	Freshwater Emergent Wetland	Local Park/Recreation Area	Bike Trail
Existing Substation	Freshwater Pond	County Highway	City Boundary
Burnsville Substation Expansion		State Highway	County Boundary

Date: 10/19/2023 Source: Z:\Clients\E\_HYDRE\Pilot\_Knob\ArcGIS\Permitting\State\PUC\Route\_Permit\202309\Figures\PilotKnob\_RP.aprx



0 150 300 Feet  
1 inch = 300 feet

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## Appendix A

### Pilot Knob to Burnsville Rebuild and Upgrade Project

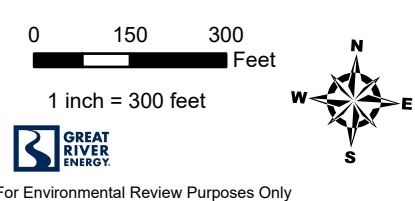
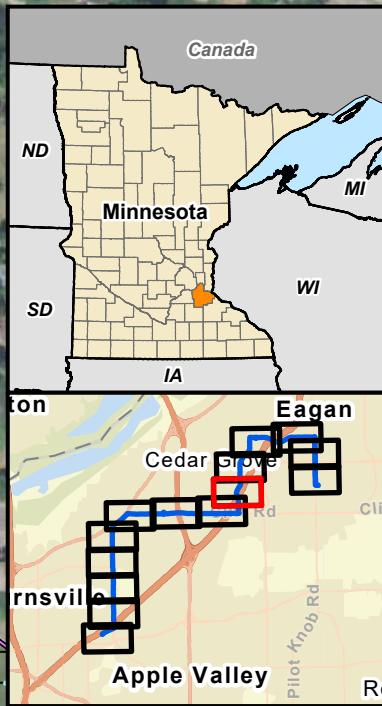
#### Detailed Route Maps

#### Dakota County, Minnesota

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

Source: Z:\Clients\E\_HYGRE\Pilot\_Knob\ArcGIS\Permitting\State\PUC\Route\_Permit\20220509\Figures\PilotKnob\_RP.aprx Date: (10/19/2023)



**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	Freshwater Forested Wetland	Freshwater Pond	Existing Transmission Line	Bike Trail
Proposed Route Width	Freshwater Shrub Wetland	Freshwater Shrub/Emergent Wetland	Local Park/Recreation Area	City Boundary
Burnsville Substation Expansion	MDNR Hydrography Dataset Lake/Pond		County Highway	County Boundary
MDNR Hydrography Dataset Lake/Pond	PWI Basin		State Highway	
			Interstate	

Date: (10/19/2023) Source: Z:\Clients\E\_HYDRE\Pilot\_Knob\ArcGIS\Permitting\State\PUC\Route\_Permit\202309\Figures\PilotKnob\_RP.aprx



0 150 300 Feet  
1 inch = 300 feet

**GREAT RIVER ENERGY**

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## Appendix A

### Pilot Knob to Burnsville Rebuild and Upgrade Project

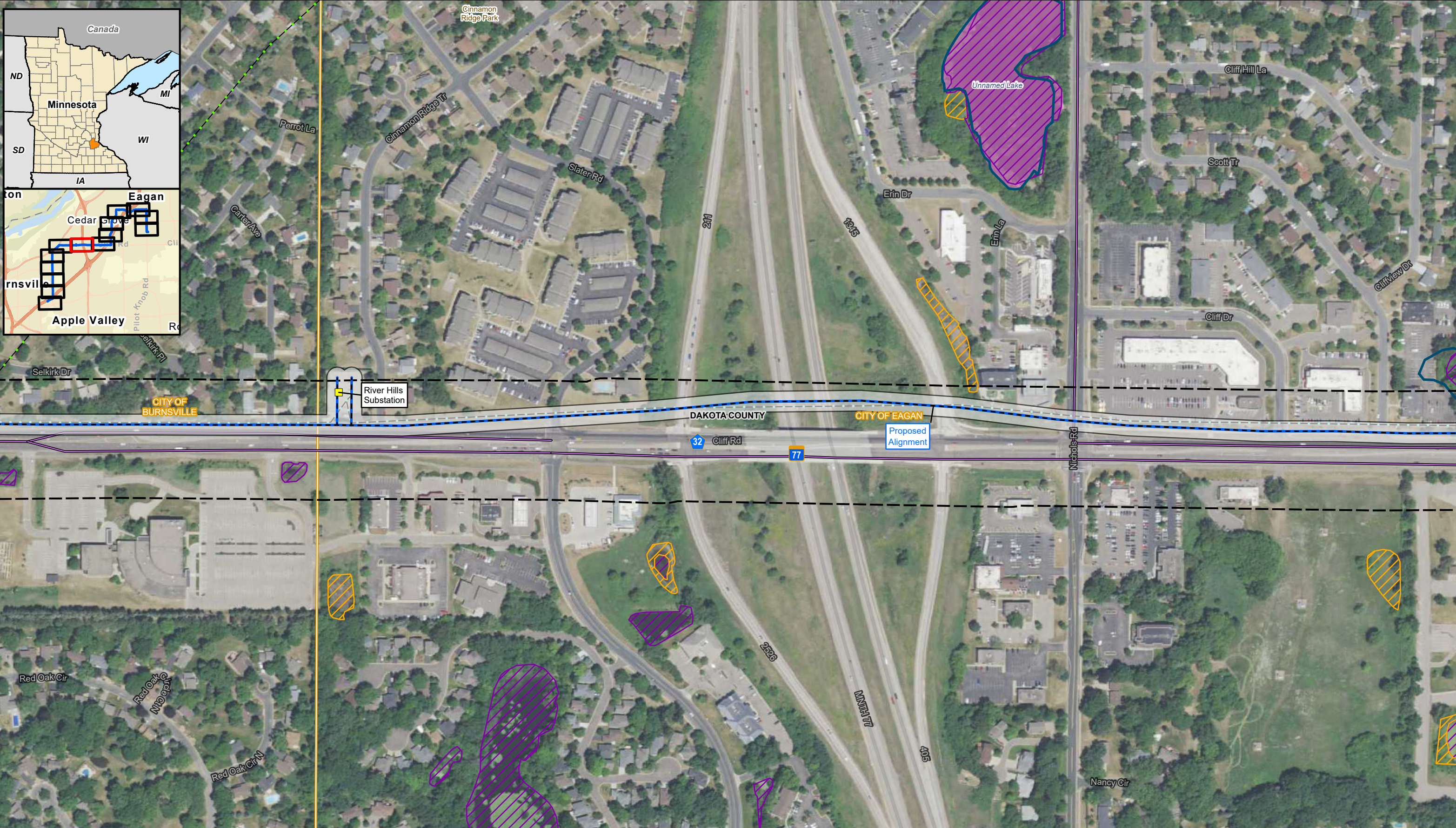
#### Detailed Route Maps

Dakota County, Minnesota  
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<ul style="list-style-type: none"> <li> Proposed Alignment</li> <li> 70ft Right-of-Way</li> <li> Proposed Route Width</li> <li> Burnsville Substation Expansion</li> <li> MDNR Hydrography Dataset Lake/Pond</li> <li> PWI Basin</li> </ul>	<p><b>NWI Wetland</b></p> <ul style="list-style-type: none"> <li> Freshwater Emergent Wetland</li> <li> Freshwater Forested Wetland</li> <li> Freshwater Pond</li> <li> Freshwater Shrub Wetland</li> <li> Freshwater Shrub/Emergent Wetland</li> </ul>	<ul style="list-style-type: none"> <li> Existing Natural Gas Pipeline</li> <li> Existing Transmission Line</li> <li> Local Park/Recreation Area</li> <li> County Highway</li> <li> State Highway</li> <li> Interstate</li> </ul>	<ul style="list-style-type: none"> <li> Railroad</li> <li> Bike Trail</li> <li> City Boundary</li> <li> County Boundary</li> </ul>
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Date: (10/19/2023) Source: Z:\Clients\E\_HYGRE\Pilot\_Knob\ArcGIS\Permitting\State\PUC\Route\_Permit(2022059)\Figures\PilotKnob\_RP.aprx





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1 inch = 300 feet

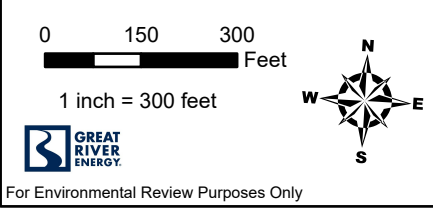
**GREAT RIVER ENERGY**

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

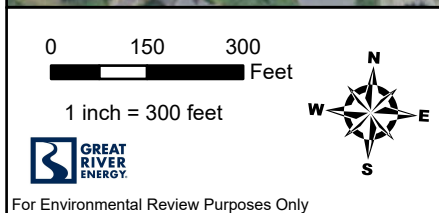
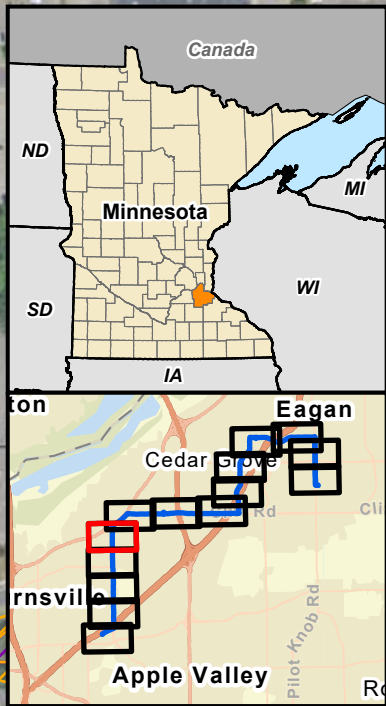
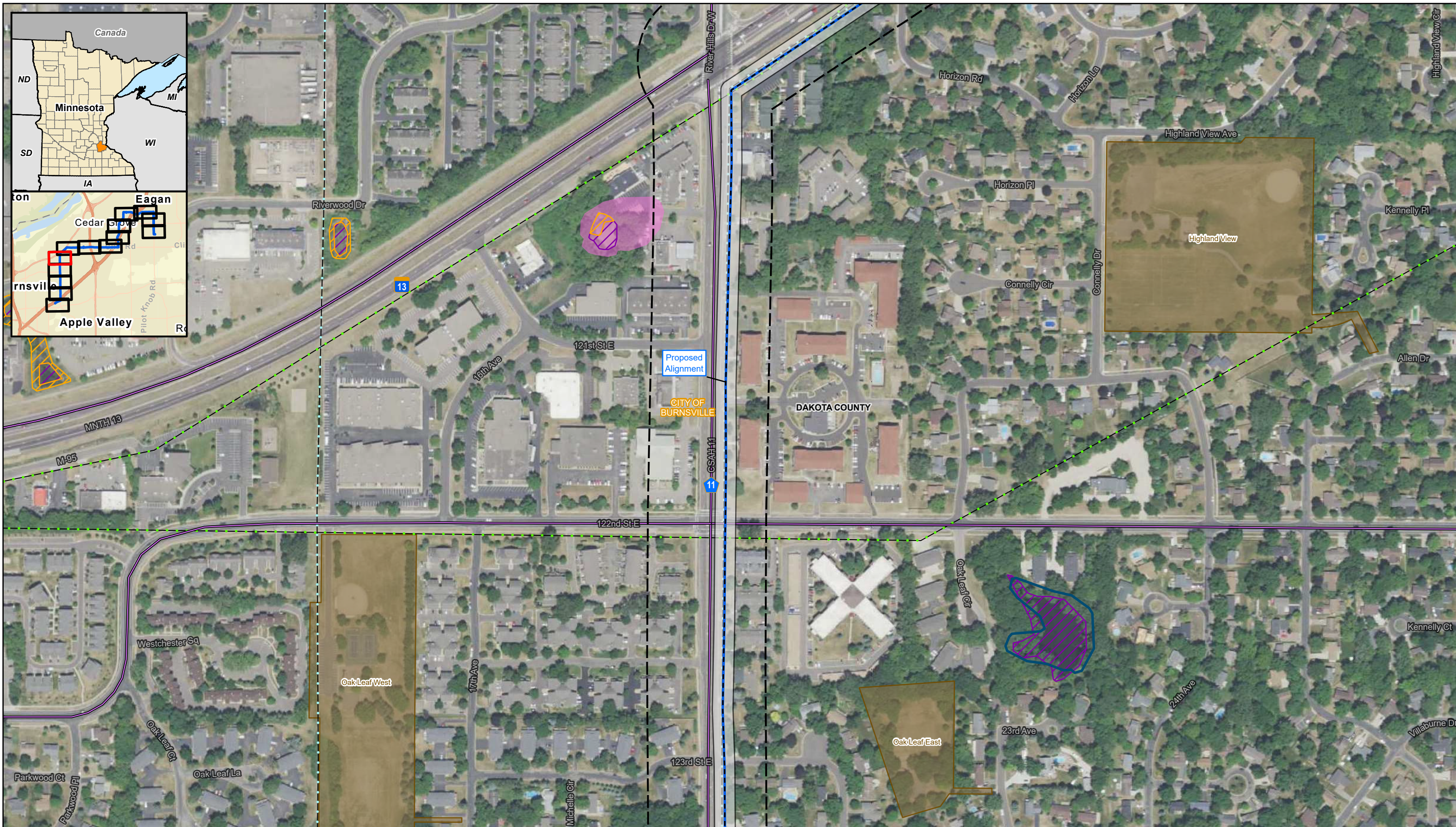
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**Appendix A**  
**Pilot Knob to Burnsville Rebuild and Upgrade Project**  
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**Dakota County, Minnesota**  
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Proposed Alignment	PWI Basin	Existing 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	Freshwater Shrub Wetland	State Highway	County Boundary

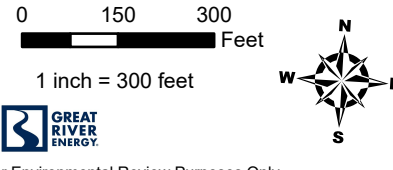
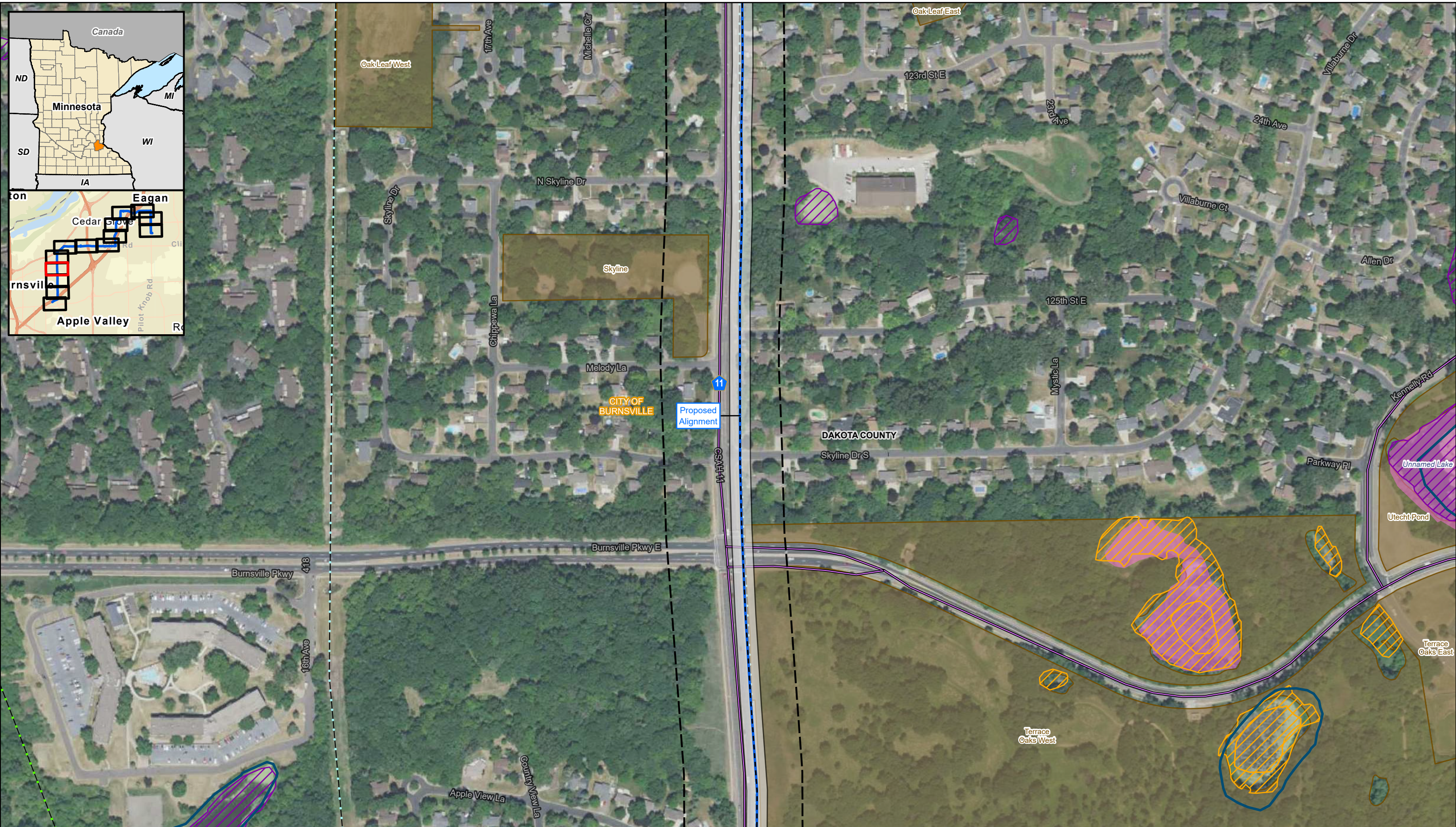
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**Appendix A**  
**Pilot Knob to Burnsville Rebuild and Upgrade Project**  
**Detailed Route Maps**  
**Dakota County, Minnesota**  
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Proposed Alignment	PWI Basin	Existing Natural Gas Pipeline	Interstate
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

Date: (10/19/2023) Source: Z:\Clients\E\_HYGRE\Pilot\_Knob\ArcGIS\Permitting\State\PUC\Route\_Permit\2022059\Figures\PilotKnob\_RP.aprx



**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 |



0 150 300 Feet  
1 inch = 300 feet

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## Appendix A

### Pilot Knob to Burnsville Rebuild and Upgrade Project

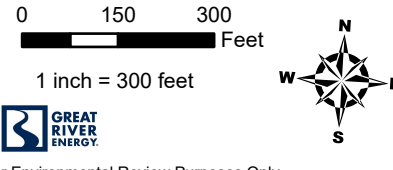
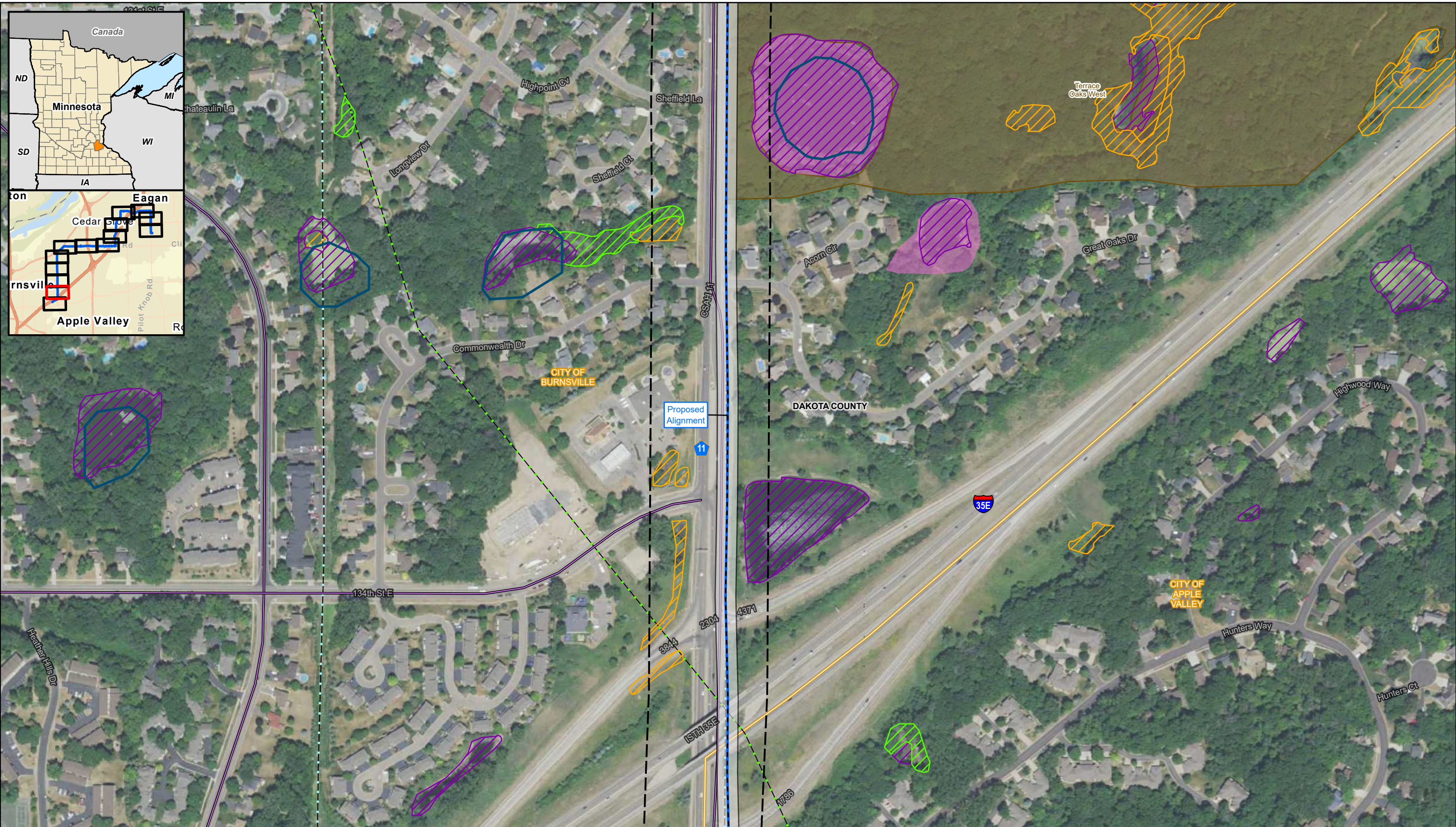
#### Detailed Route Maps

#### Dakota County, Minnesota

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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

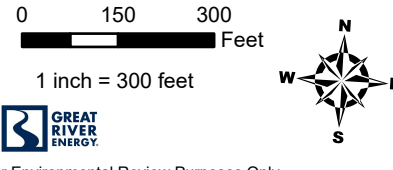
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**Appendix A**  
**Pilot Knob to Burnsville Rebuild and Upgrade Project**  
**Detailed Route Maps**  
**Dakota County, Minnesota**  
**Page 13 of 14**

- |                                    |                             |                               |                 |
|------------------------------------|-----------------------------|-------------------------------|-----------------|
| 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 Forested Wetland | County Highway                | City Boundary   |
| MDNR Hydrography Dataset Lake/Pond | Freshwater Pond             | State Highway                 | County Boundary |

Date: 10/19/2023  
 Source: Z:\Clients\E\_HYGRE\Pilot\_Knob\ArcGIS\Permitting\State\PUC\Route\_Permit\202209\Figures\PilotKnob\_RP.aprx



**Appendix A**  
**Pilot Knob to Burnsville Rebuild and Upgrade Project**  
**Detailed Route Maps**  
**Dakota County, Minnesota**  
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- |                                 |                                    |  |                               |                 |
|---------------------------------|------------------------------------|--|-------------------------------|-----------------|
| Proposed Alignment              | PWI Basin                          | NWI Wetland<br>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            | Existing Substation                | Freshwater Pond                            | Local Park/Recreation Area    | City Boundary   |
| Existing Substation             | Burnsville Substation Expansion    | Lake                                       | County Highway                | County Boundary |
| Burnsville Substation Expansion | MDNR Hydrography Dataset Lake/Pond |  | State Highway                 |                 |
|                                 |                                    |  | Interstate                    |                 |