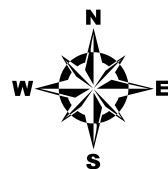


0 2,600  
 Feet  
 1 inch = 2,600 feet

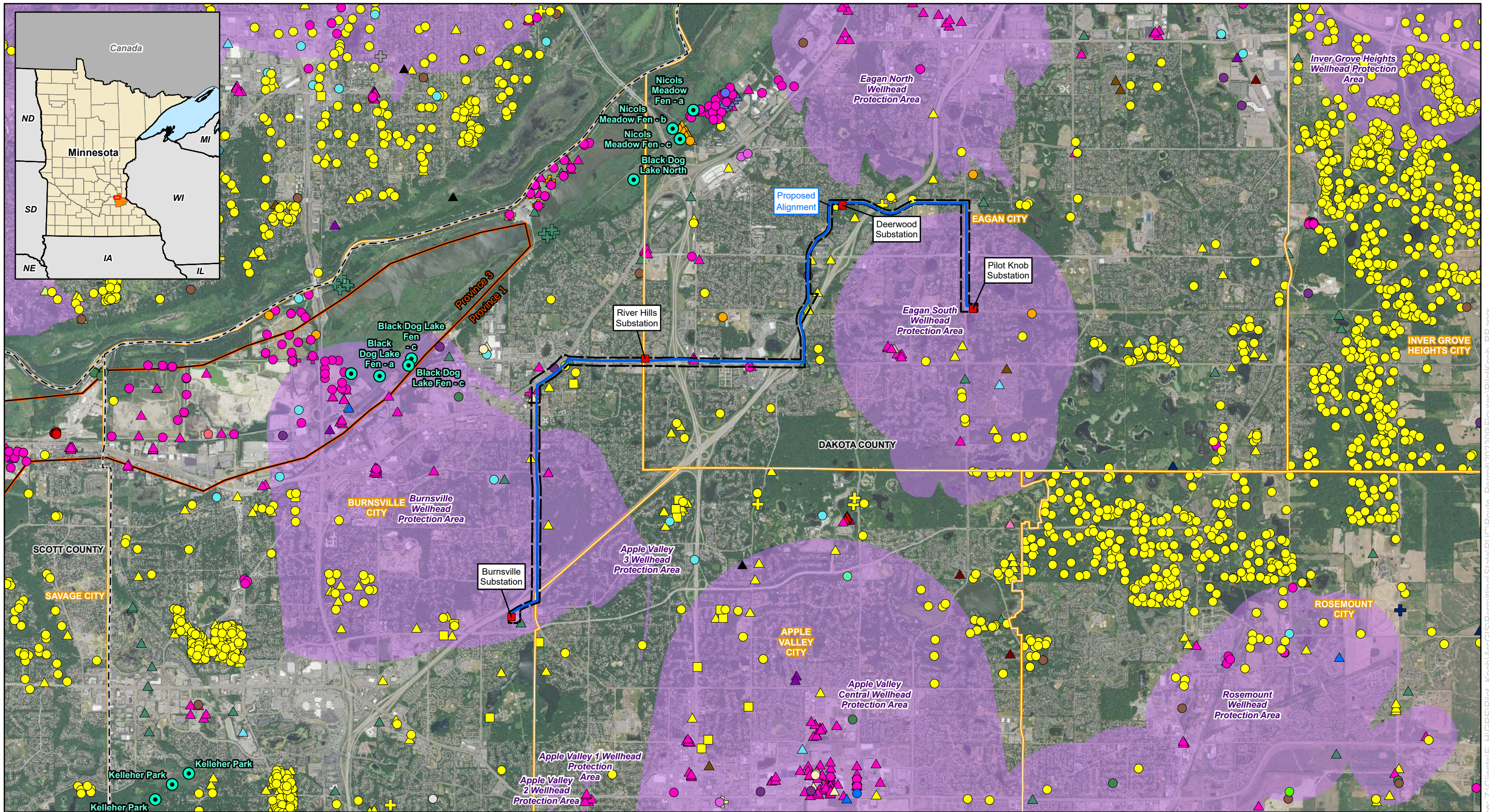


**Figure 7-5**  
**Pilot Knob to Burnsville Rebuild and Upgrade Project**  
**Soils and Topography**  
**Dakota County, Minnesota**

- |                      |   |
|----------------------|---|
| Great River Energy   | 10' Contour                               |
| Proposed Alignment   | Soils (STATSGO)                           |
| Existing Substation  | Mahtomedi-Kingsley (s3593)                |
| Proposed Route Width | Minneiska-Kalmarville-Colo-Chaska (s3586) |
|                      | Salida-Estherville-Dickman-Dakota (s3589) |
|                      | Waukegan-Wadena-Hawick (s3594)            |
|                      | City Boundary                             |
|                      | County Boundary                           |

For Environmental Review Purposes Only

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



0 4,500 Feet  
1 inch = 4,500 feet



**Figure 7-6**  
**Pilot Knob to Burnsville Rebuild and Upgrade Project**  
**Groundwater Features**  
**Dakota County, Minnesota**

- |  |   |  |   |   |
|--|---|--|---|---|
| <ul style="list-style-type: none"> <li><span style="color: red;">■</span> Existing Substation</li> <li><span style="color: blue;">—</span> Proposed Alignment</li> <li><span style="color: blue;">—</span> Proposed Route Width</li> <li><span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> County Boundary</li> <li><span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> City Boundary</li> <li><span style="border: 1px dashed black; display: inline-block; width: 10px; height: 10px;"></span> Groundwater Province</li> <li><span style="background-color: purple; display: inline-block; width: 10px; height: 10px;"></span> Wellhead Protection Area</li> <li><span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px;"></span> Calcareous Fen</li> </ul> | <p><b>County Well Index - Located Well</b></p> <ul style="list-style-type: none"> <li><span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px;"></span> Active</li> <li><span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px; background-color: gray;"></span> Inactive</li> <li><span style="border: 1px solid black; width: 10px; height: 10px;"></span> Sealed</li> <li><span style="border: 1px solid black; width: 10px; height: 10px;"></span> Unknown</li> <li><span style="background-color: black; border-radius: 50%; width: 10px; height: 10px;"></span> Abandoned</li> <li><span style="background-color: cyan; border-radius: 50%; width: 10px; height: 10px;"></span> Commercial</li> <li><span style="background-color: blue; border-radius: 50%; width: 10px; height: 10px;"></span> Dewatering</li> </ul> | <ul style="list-style-type: none"> <li><span style="background-color: yellow; border-radius: 50%; width: 10px; height: 10px;"></span> Domestic</li> <li><span style="background-color: purple; border-radius: 50%; width: 10px; height: 10px;"></span> Elevator</li> <li><span style="background-color: green; border-radius: 50%; width: 10px; height: 10px;"></span> Environmental Bore Hole</li> <li><span style="background-color: brown; border-radius: 50%; width: 10px; height: 10px;"></span> Exploration</li> <li><span style="background-color: cyan; border-radius: 50%; width: 10px; height: 10px;"></span> Heat Pump</li> <li><span style="background-color: purple; border-radius: 50%; width: 10px; height: 10px;"></span> Industrial</li> <li><span style="background-color: red; border-radius: 50%; width: 10px; height: 10px;"></span> Industrial/Commercial</li> <li><span style="background-color: brown; border-radius: 50%; width: 10px; height: 10px;"></span> Irrigation</li> </ul> | <ul style="list-style-type: none"> <li><span style="background-color: magenta; border-radius: 50%; width: 10px; height: 10px;"></span> Monitor Well</li> <li><span style="background-color: lightblue; border-radius: 50%; width: 10px; height: 10px;"></span> Multiple Dwelling</li> <li><span style="background-color: lightgreen; border-radius: 50%; width: 10px; height: 10px;"></span> Observation Well</li> <li><span style="background-color: gray; border-radius: 50%; width: 10px; height: 10px;"></span> Other - Abandoned open hole artesian flow, USGS monitor well</li> <li><span style="background-color: gray; border-radius: 50%; width: 10px; height: 10px;"></span> Other - Central well system</li> <li><span style="background-color: cyan; border-radius: 50%; width: 10px; height: 10px;"></span> Other - City Hall</li> <li><span style="background-color: yellow; border-radius: 50%; width: 10px; height: 10px;"></span> Other - Dry hole</li> <li><span style="background-color: magenta; border-radius: 50%; width: 10px; height: 10px;"></span> Other - Hemphill Well Co.</li> </ul> | <ul style="list-style-type: none"> <li><span style="background-color: lightgreen; border-radius: 50%; width: 10px; height: 10px;"></span> Other - Hogs</li> <li><span style="background-color: brown; border-radius: 50%; width: 10px; height: 10px;"></span> Other - Soil vapor point</li> <li><span style="background-color: orange; border-radius: 50%; width: 10px; height: 10px;"></span> Piezometer</li> <li><span style="background-color: yellow; border-radius: 50%; width: 10px; height: 10px;"></span> Recovery Well</li> <li><span style="background-color: red; border-radius: 50%; width: 10px; height: 10px;"></span> Remedial</li> <li><span style="background-color: blue; border-radius: 50%; width: 10px; height: 10px;"></span> Scientific Investigation</li> <li><span style="background-color: cyan; border-radius: 50%; width: 10px; height: 10px;"></span> Test Well</li> <li><span style="background-color: gray; border-radius: 50%; width: 10px; height: 10px;"></span> Unknown</li> </ul> |
|--|---|--|---|---|