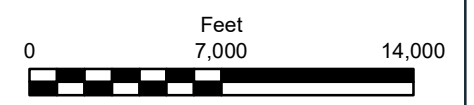
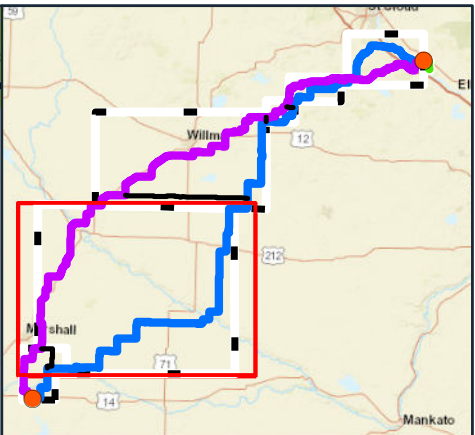
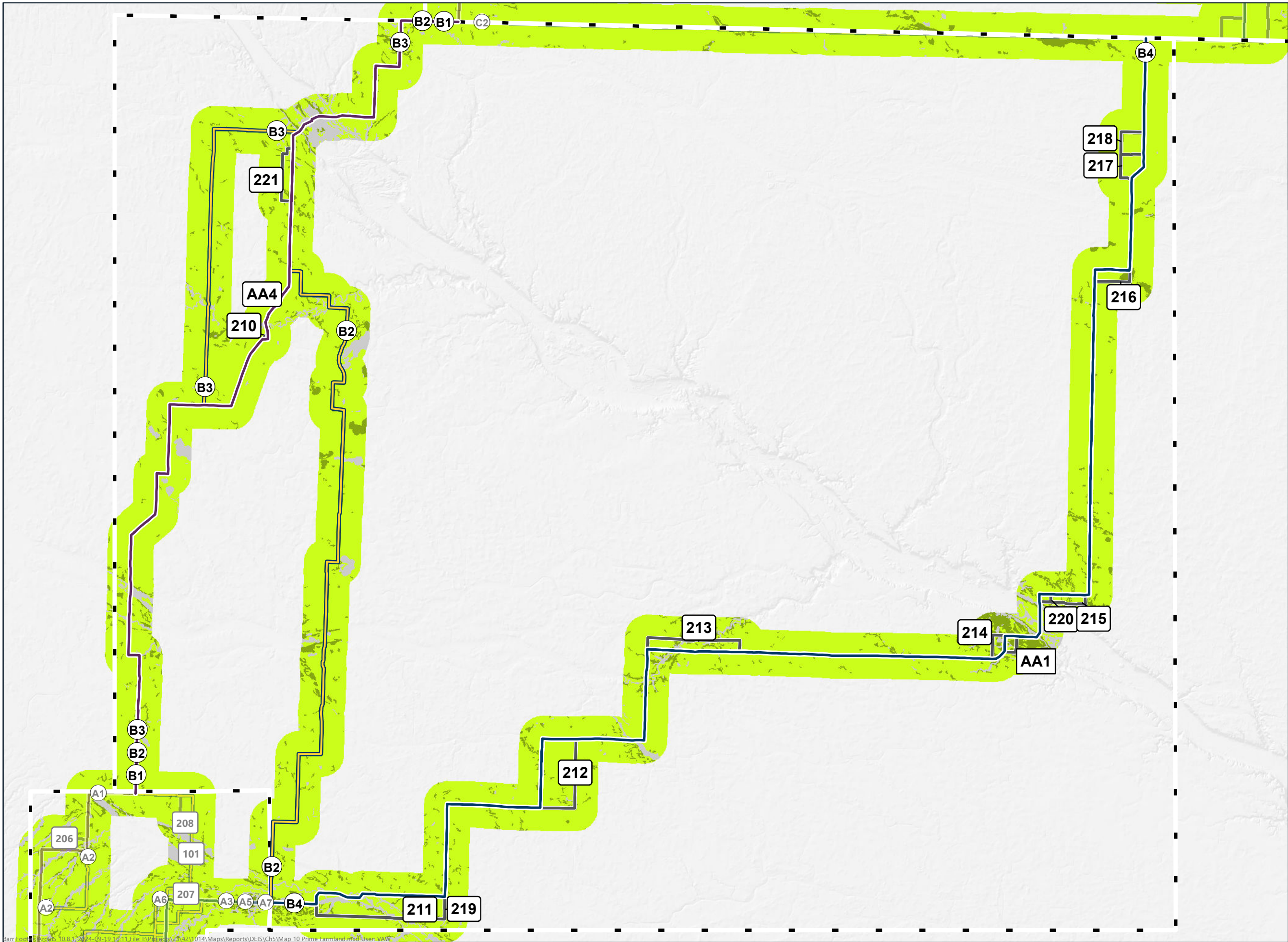


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment A1 (Purple Route)
- Route Segment A3 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Proposed Substation
- Assessment Region
- Prime Farmland (all subcategories)
- Farmland of Statewide Importance
- Not Prime Farmland or Farmland of Statewide Importance

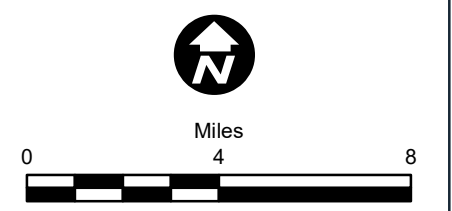


**PRIME FARMLAND
REGION A**
Minnesota Energy
Connection Project

Barr Footer: ArcGIS 10.8.1, 2024-09-19 16:11 File: I:\Projects\23\42\1014\Maps\Reports\DEIS\Ch5\Map 10 Prime Farmland.mxd User: VAW

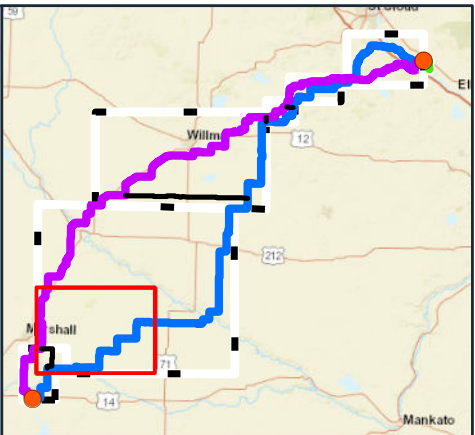


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment B1 (Purple Route)
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Assessment Region
- Prime Farmland (all subcategories)
- Farmland of Statewide Importance
- Not Prime Farmland or Farmland of Statewide Importance

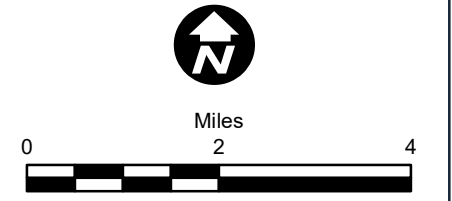


**PRIME FARMLAND
REGION B OVERVIEW**
Minnesota Energy
Connection Project

Barr Form 10.8 (1/2014-09-19 16:11 File: \\P:\proj\225421014\Maps\Reports\DEIS\Ch5\Map 10 Prime Farmland.mxd User: VAW)

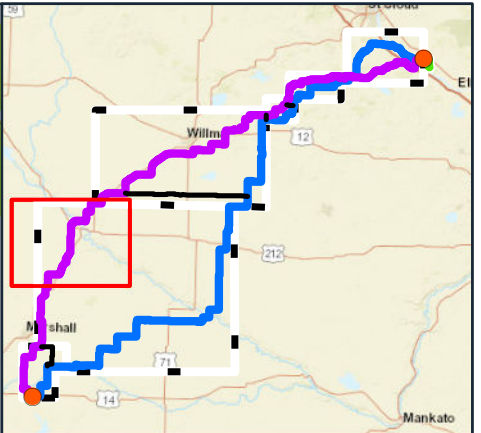
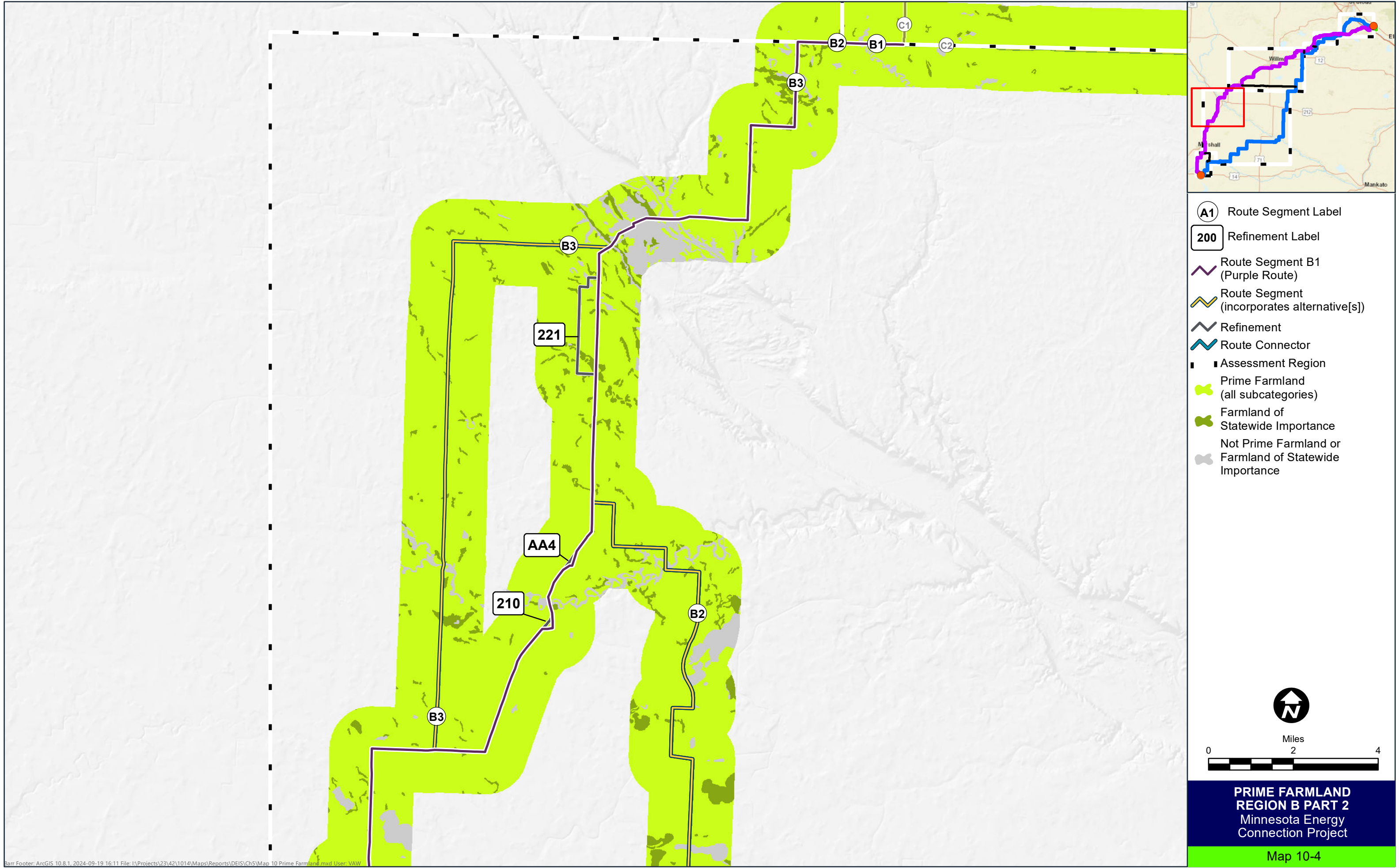


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment B1 (Purple Route)
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Assessment Region
- Prime Farmland (all subcategories)
- Farmland of Statewide Importance
- Not Prime Farmland or Farmland of Statewide Importance

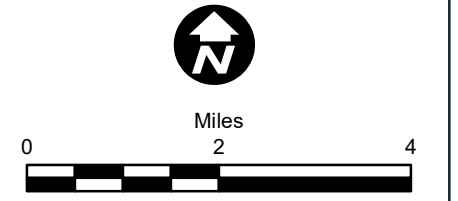


**PRIME FARMLAND
REGION B PART 1**
Minnesota Energy
Connection Project

File: I:\Projects\20421\014\Map_Reports\DEIS\Ch5\Map_10_Prime Farmland.mxd User: JAV

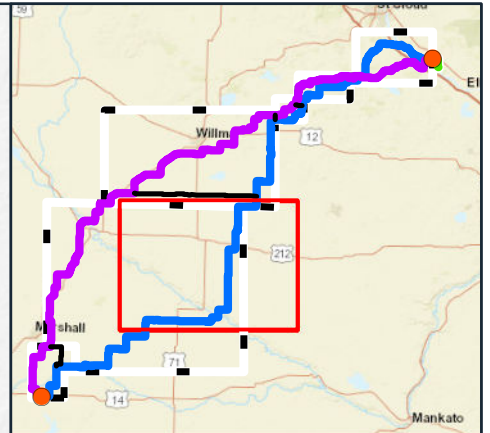
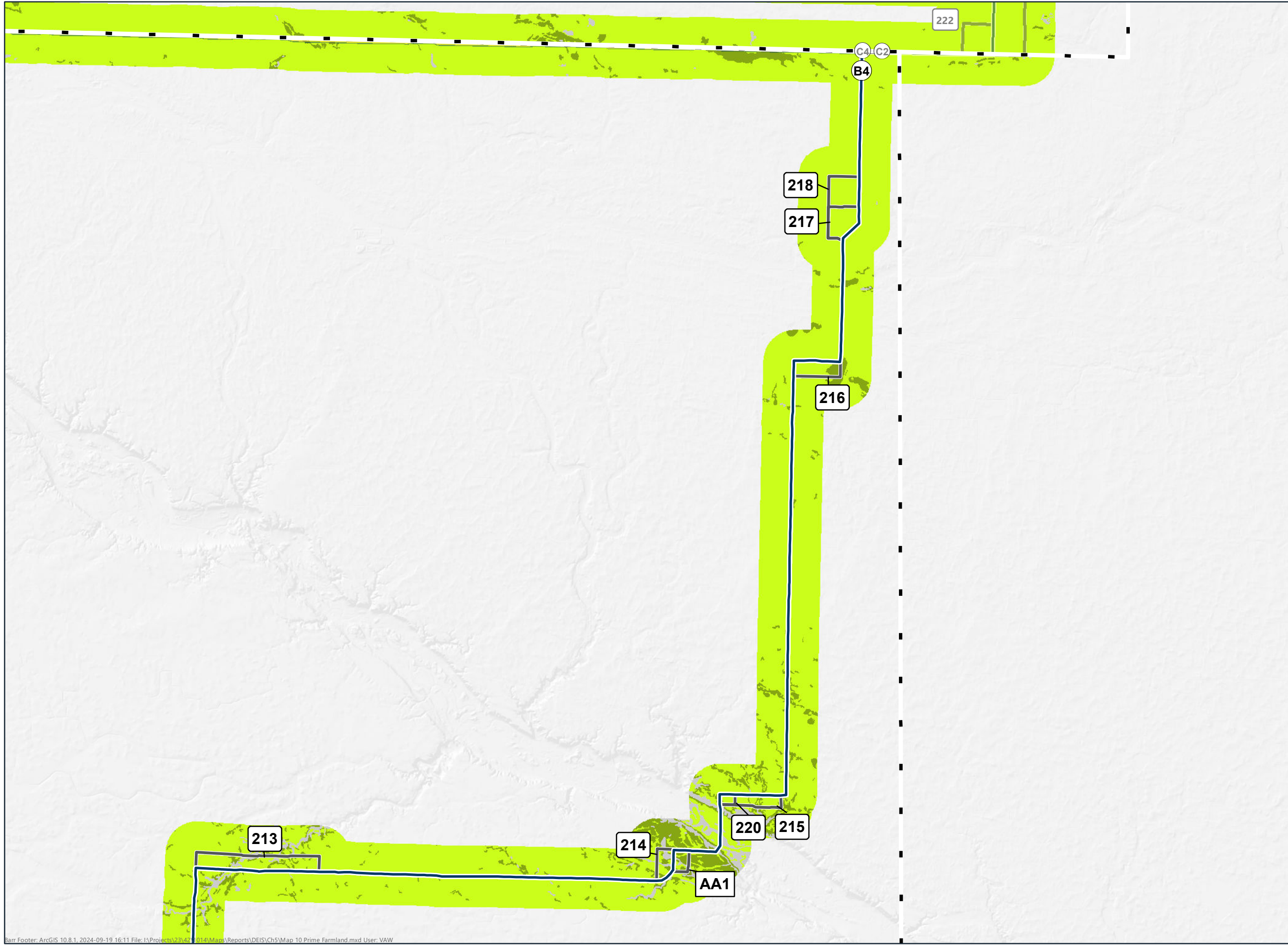


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment B1 (Purple Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Assessment Region
- Prime Farmland (all subcategories)
- Farmland of Statewide Importance
- Not Prime Farmland or Farmland of Statewide Importance

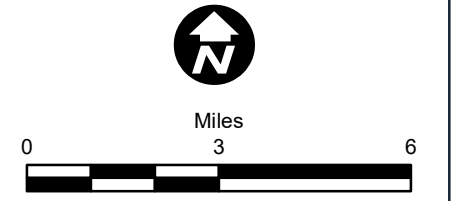


**PRIME FARMLAND
REGION B PART 2**
Minnesota Energy
Connection Project

Map 10-4

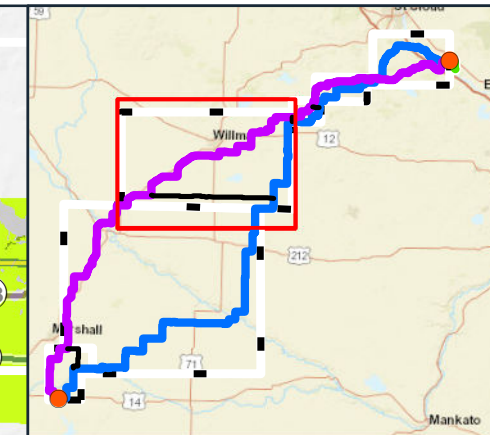


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Assessment Region
- Prime Farmland (all subcategories)
- Farmland of Statewide Importance
- Not Prime Farmland or Farmland of Statewide Importance

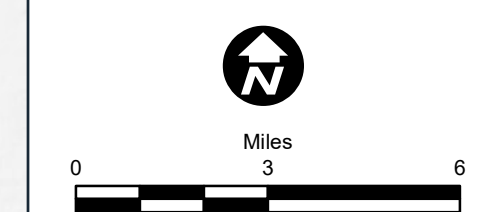


**PRIME FARMLAND
REGION B PART 3**
Minnesota Energy
Connection Project

Map 10-5

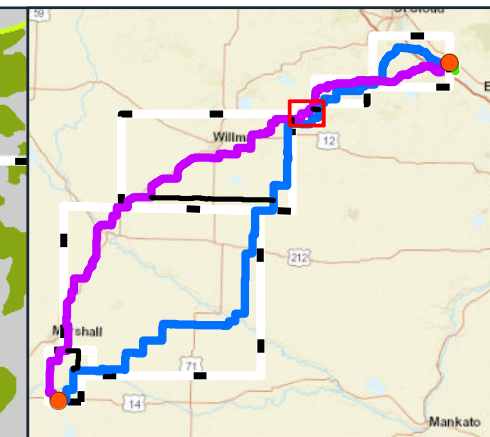
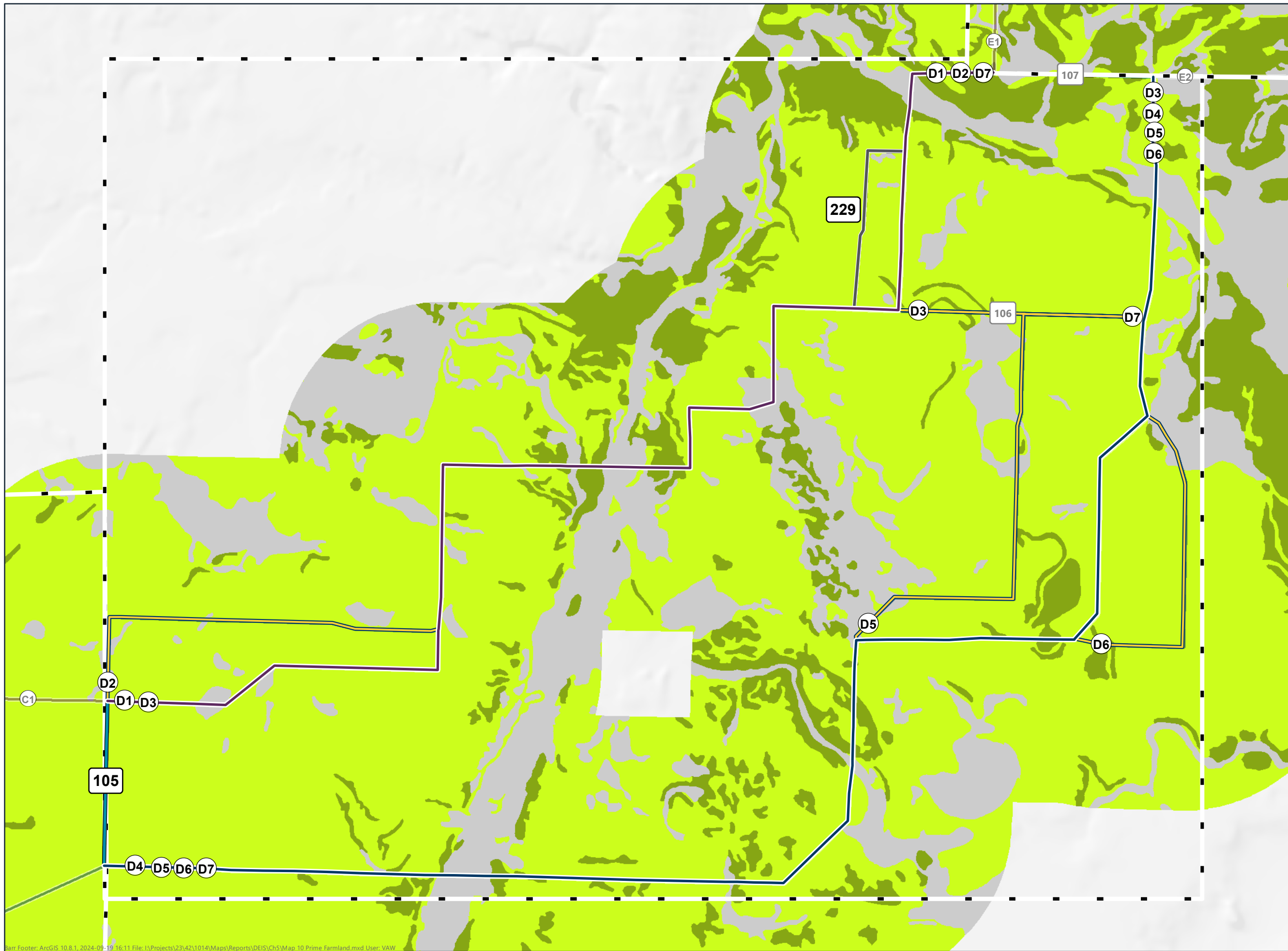


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment C1 (Purple Route)
- Route Segment C4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Assessment Region
- Prime Farmland (all subcategories)
- Farmland of Statewide Importance
- Not Prime Farmland or Farmland of Statewide Importance

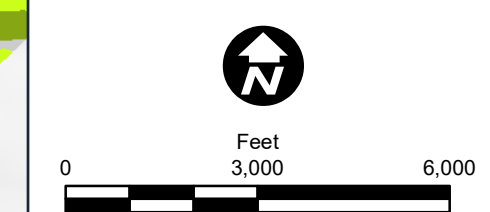


**PRIME FARMLAND
REGION C**
Minnesota Energy
Connection Project

Map 10-6

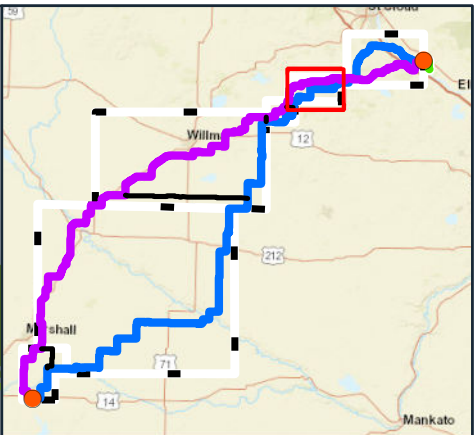
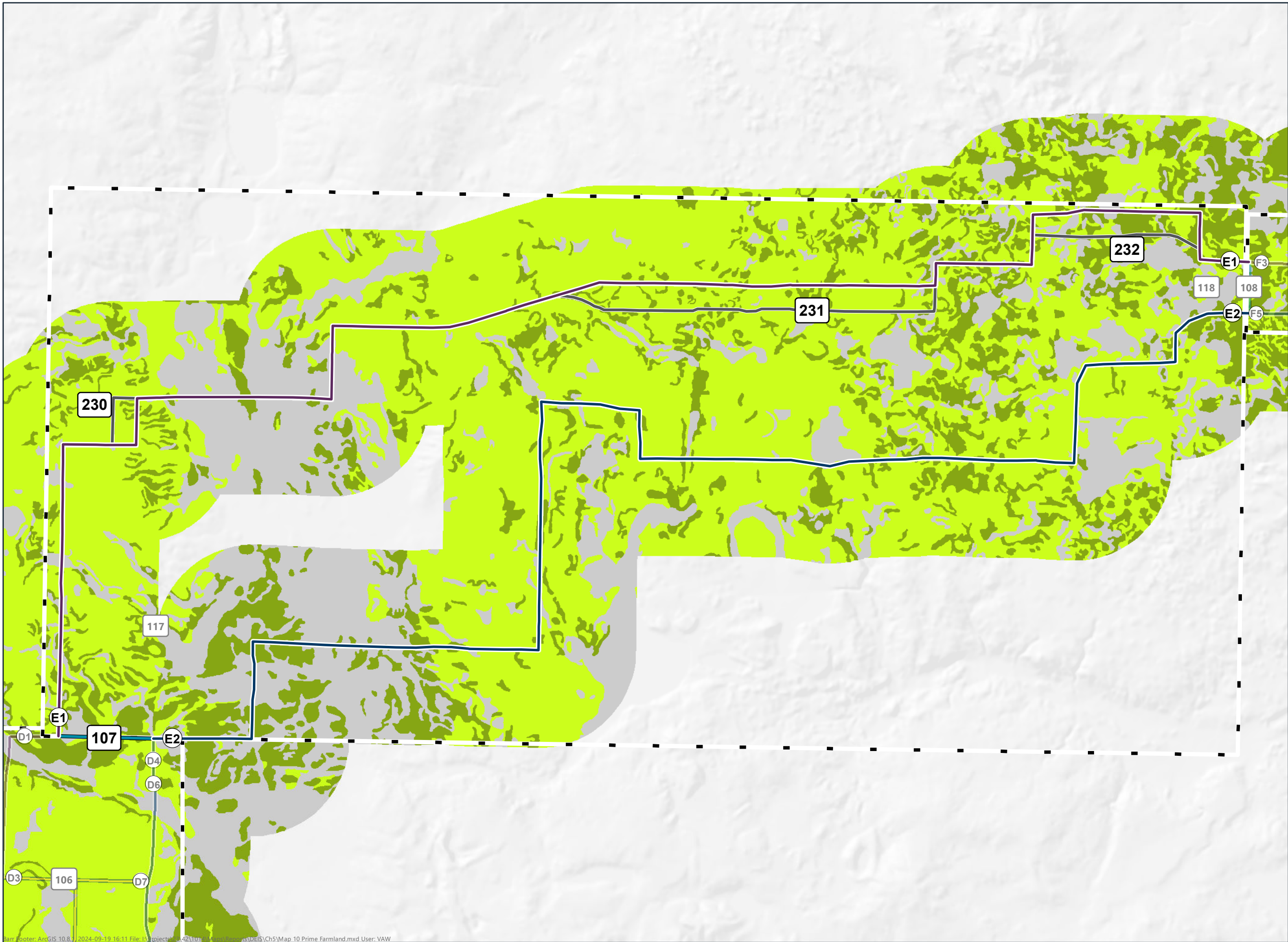


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment D1 (Purple Route)
- Route Segment D4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Assessment Region
- Prime Farmland (all subcategories)
- Farmland of Statewide Importance
- Not Prime Farmland or Farmland of Statewide Importance

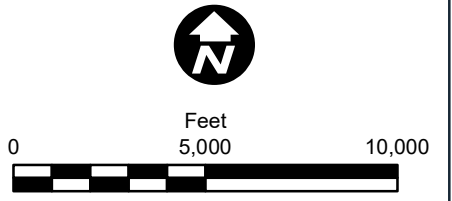


PRIME FARMLAND REGION D
 Minnesota Energy Connection Project

Map 10-7

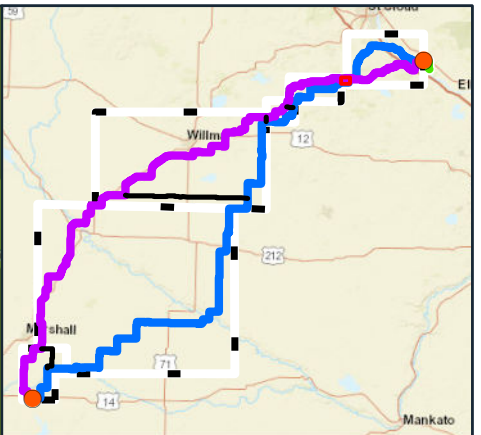
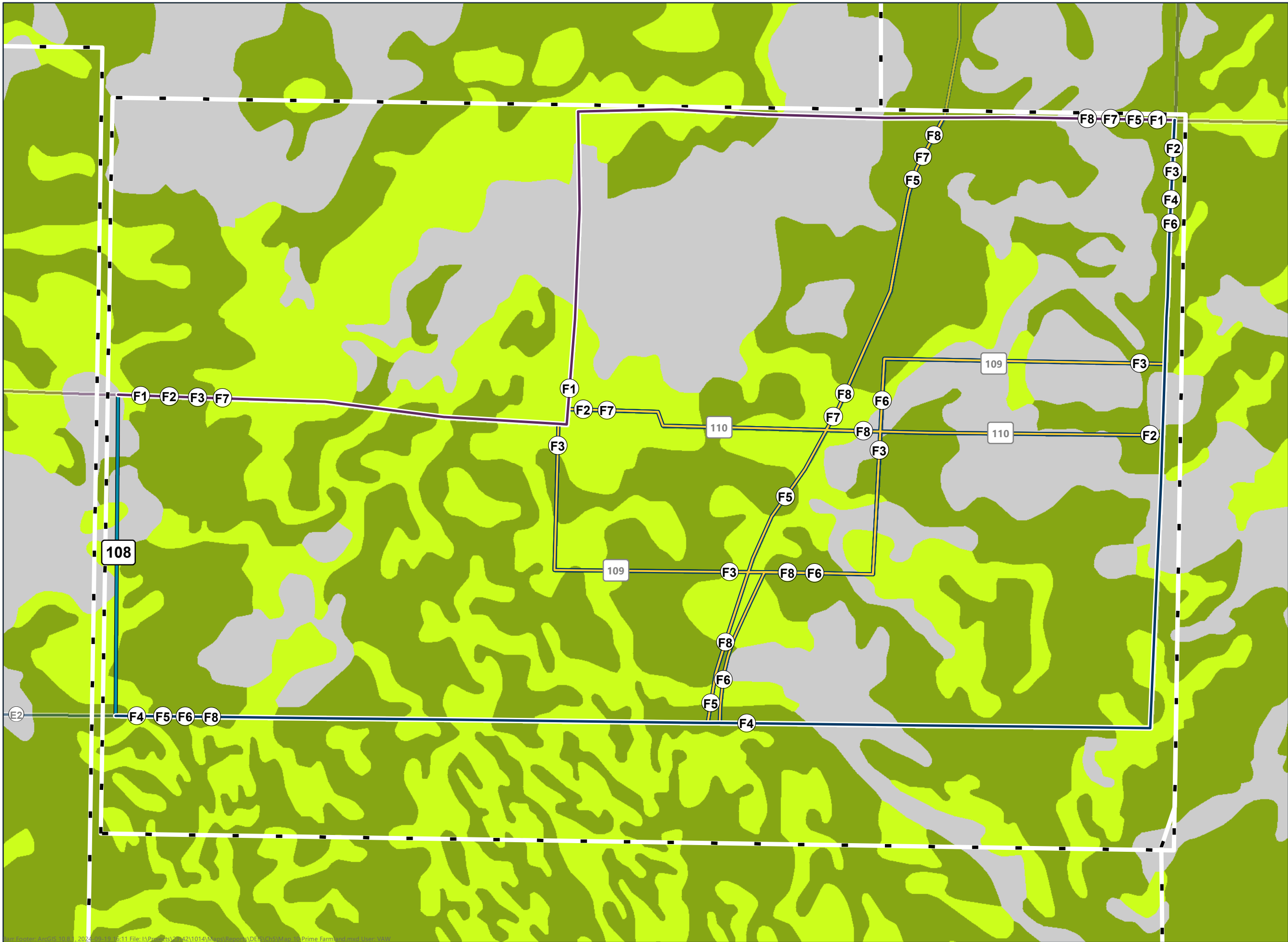


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment E1 (Purple Route)
- Route Segment E2 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Assessment Region
- Prime Farmland (all subcategories)
- Farmland of Statewide Importance
- Not Prime Farmland or Farmland of Statewide Importance

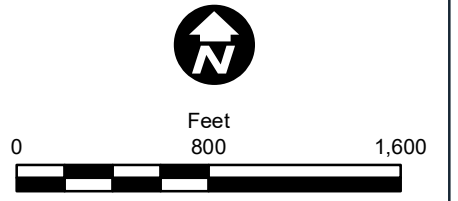


PRIME FARMLAND REGION E
 Minnesota Energy Connection Project

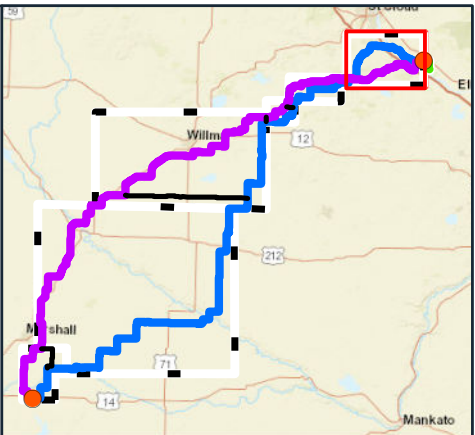
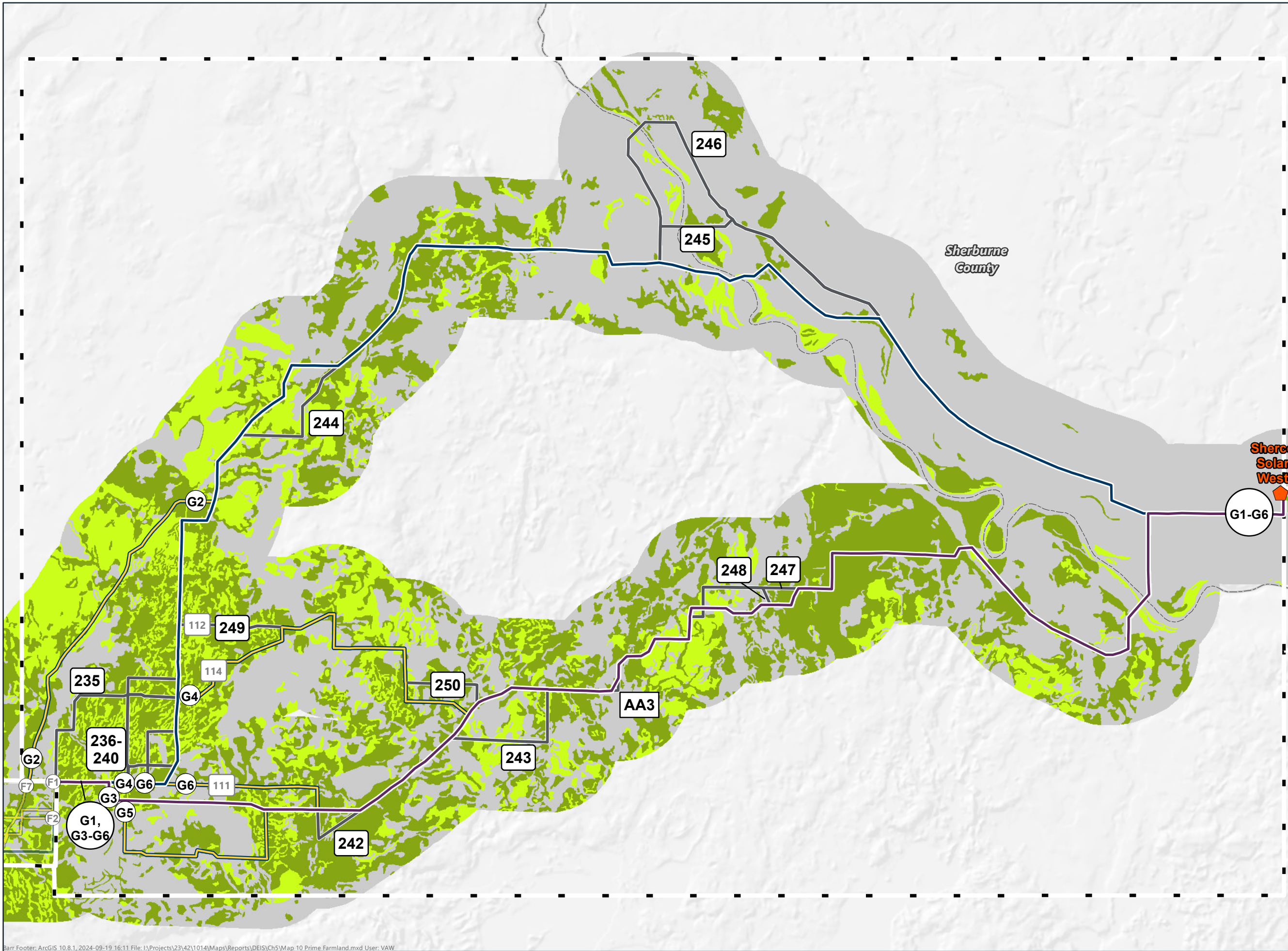
Map 10-8



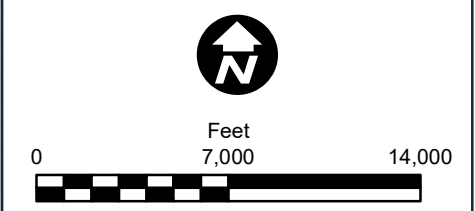
- (A1) Route Segment Label
- 200 Refinement Label
- Route Segment F1 (Purple Route)
- Route Segment F4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Route Connector
- Assessment Region
- Prime Farmland (all subcategories)
- Farmland of Statewide Importance
- Not Prime Farmland or Farmland of Statewide Importance



PRIME FARMLAND REGION F
 Minnesota Energy Connection Project

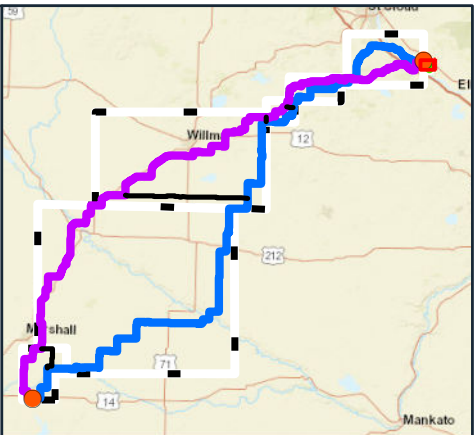
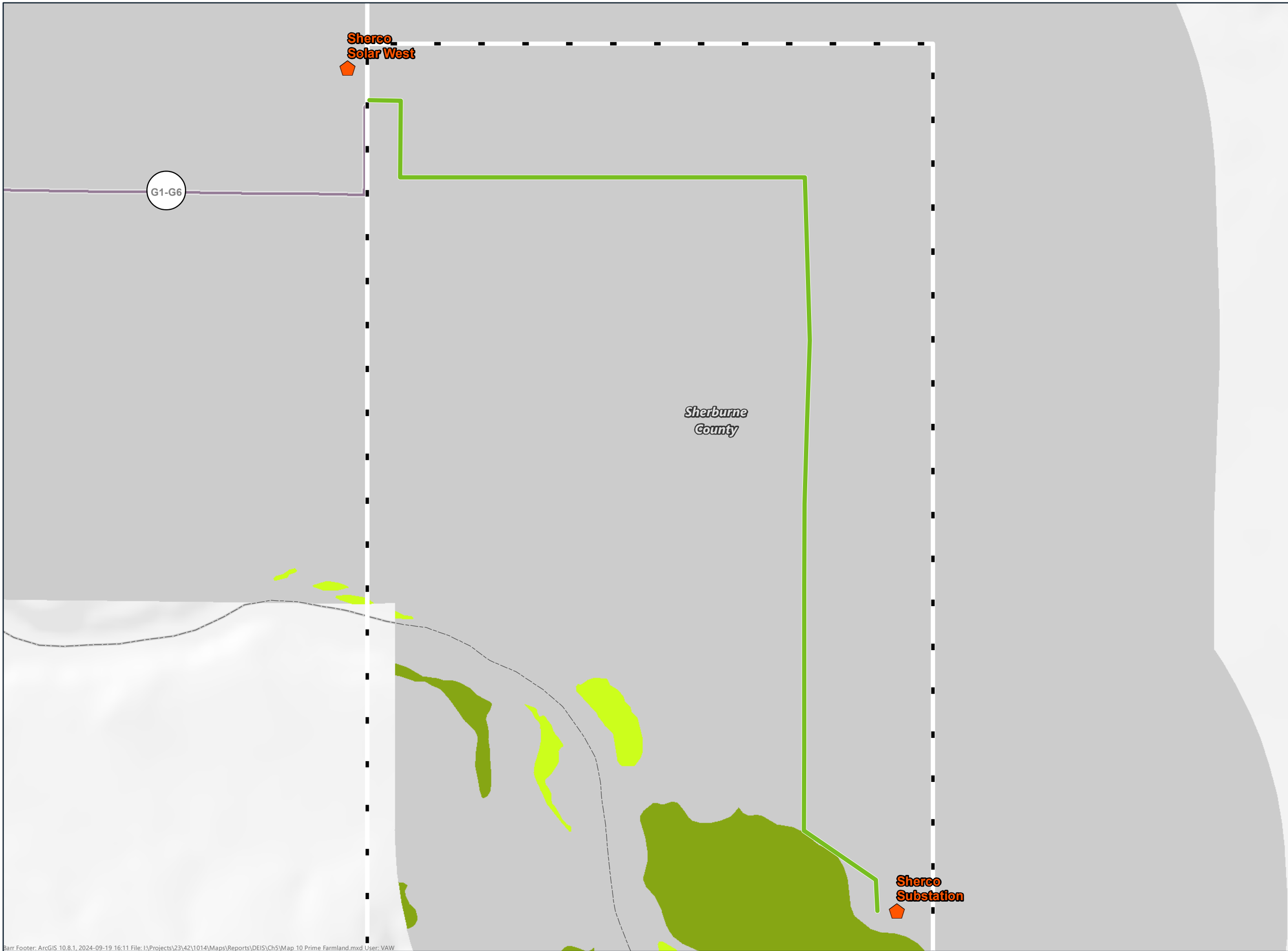


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment G3 (Purple Route)
- Green Route Segment
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- ◆ Existing Substation
- Assessment Region
- Prime Farmland (all subcategories)
- Farmland of Statewide Importance
- Not Prime Farmland or Farmland of Statewide Importance

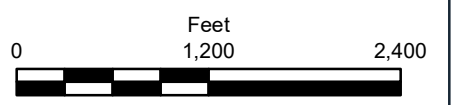


**PRIME FARMLAND
REGION G**
Minnesota Energy
Connection Project

Map 10-10

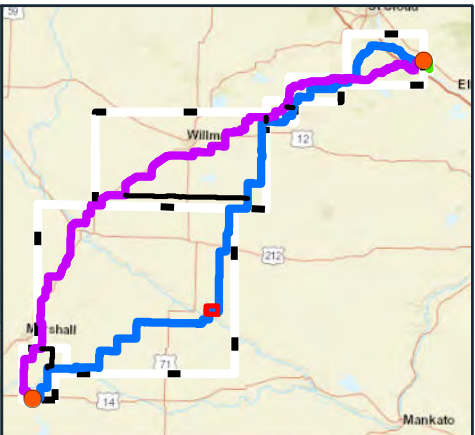
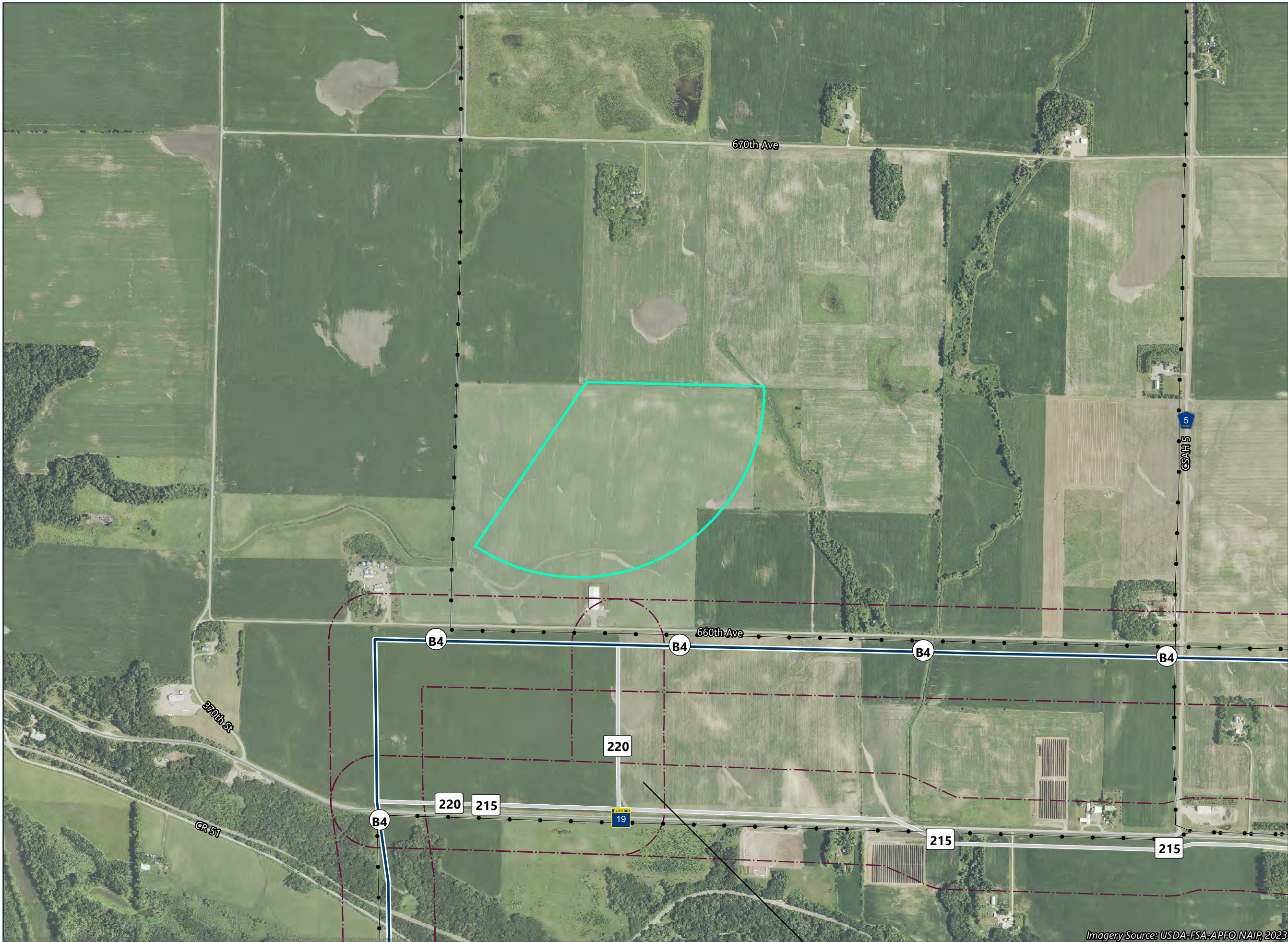


- A1 Route Segment Label
- 200 Refinement Label
- Green Route Segment
- ▮ Existing Substation
- Assessment Region
- ▭ Prime Farmland (all subcategories)
- ▭ Farmland of Statewide Importance
- ▭ Not Prime Farmland or Farmland of Statewide Importance

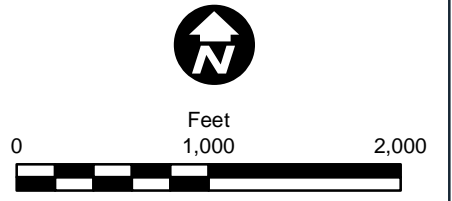


**PRIME FARMLAND
GREEN ROUTE SEGMENT**
Minnesota Energy
Connection Project

Map 10-11

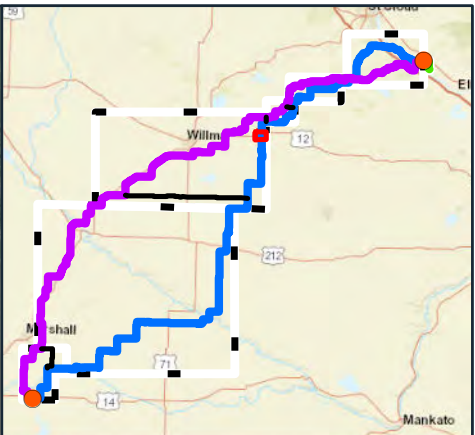
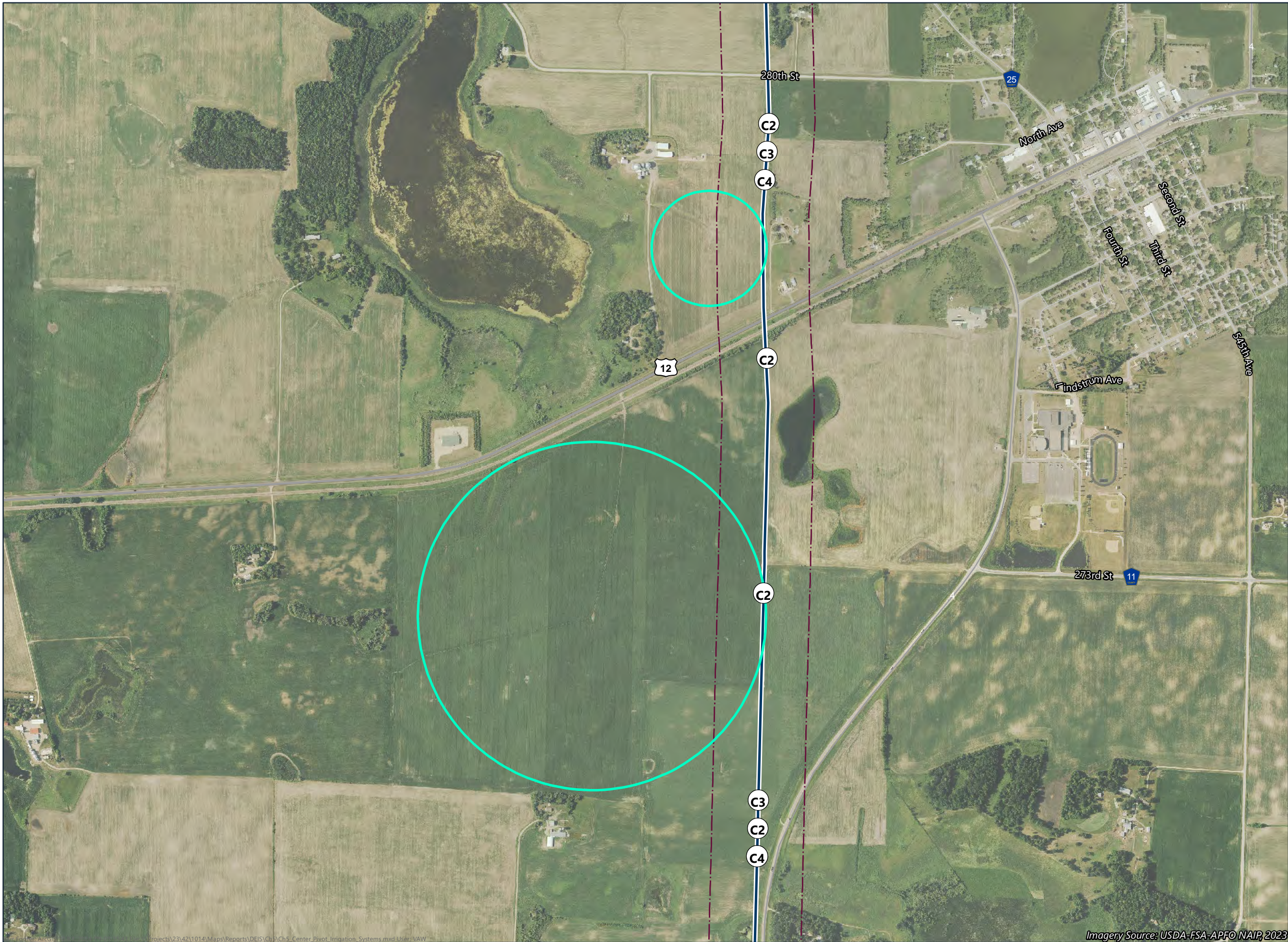


- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System

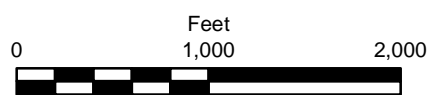


CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

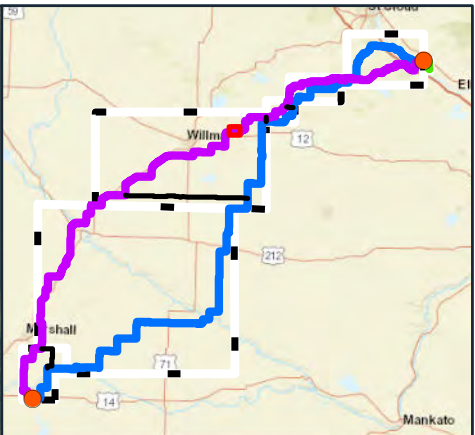
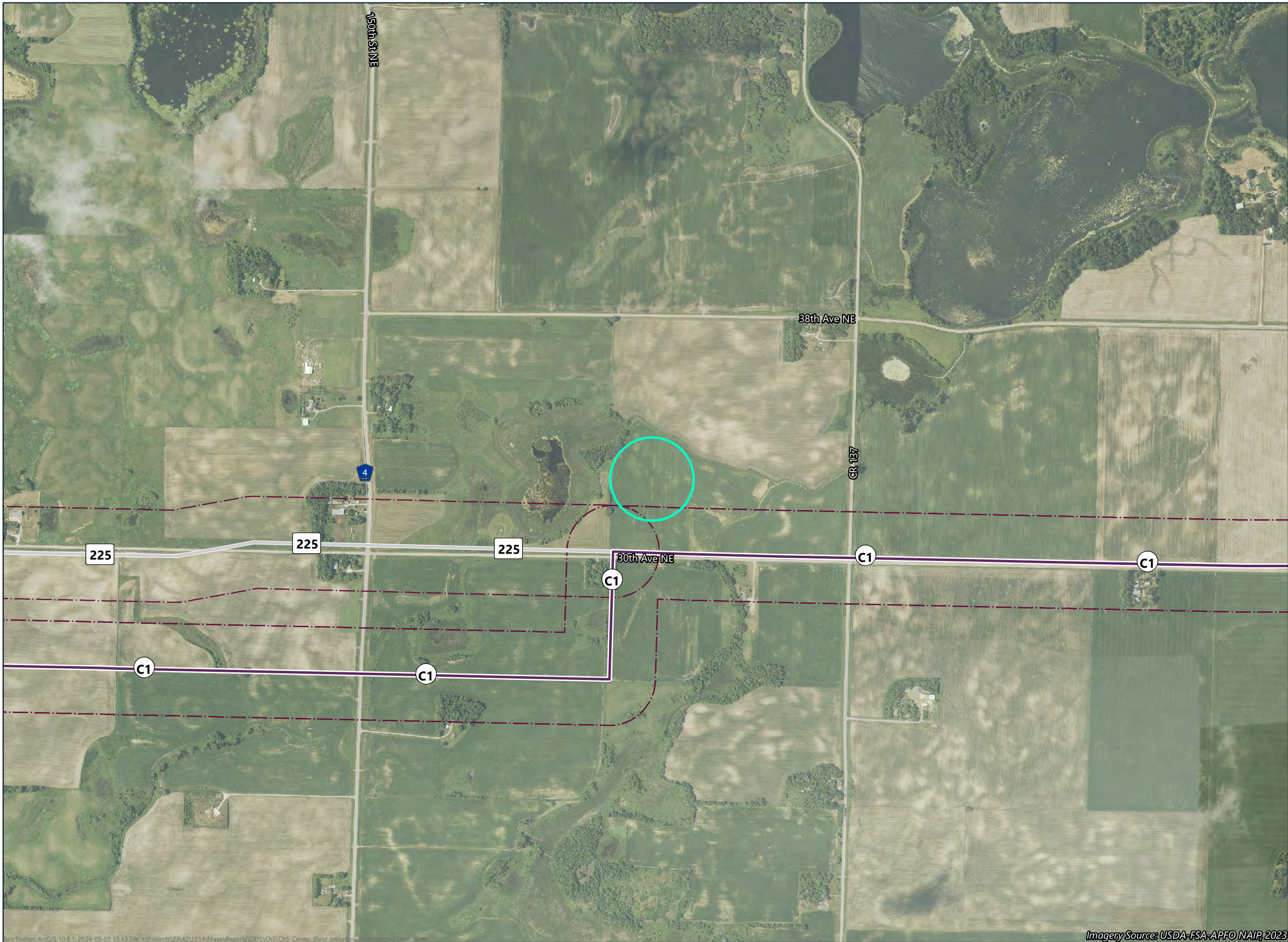
Imagery Source: USDA-FSA-APFO NAIP, 2023



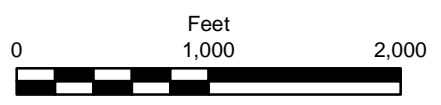
- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment C4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Route Width
- Center Pivot Irrigation System



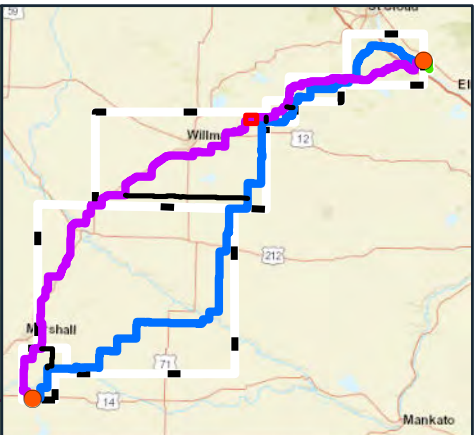
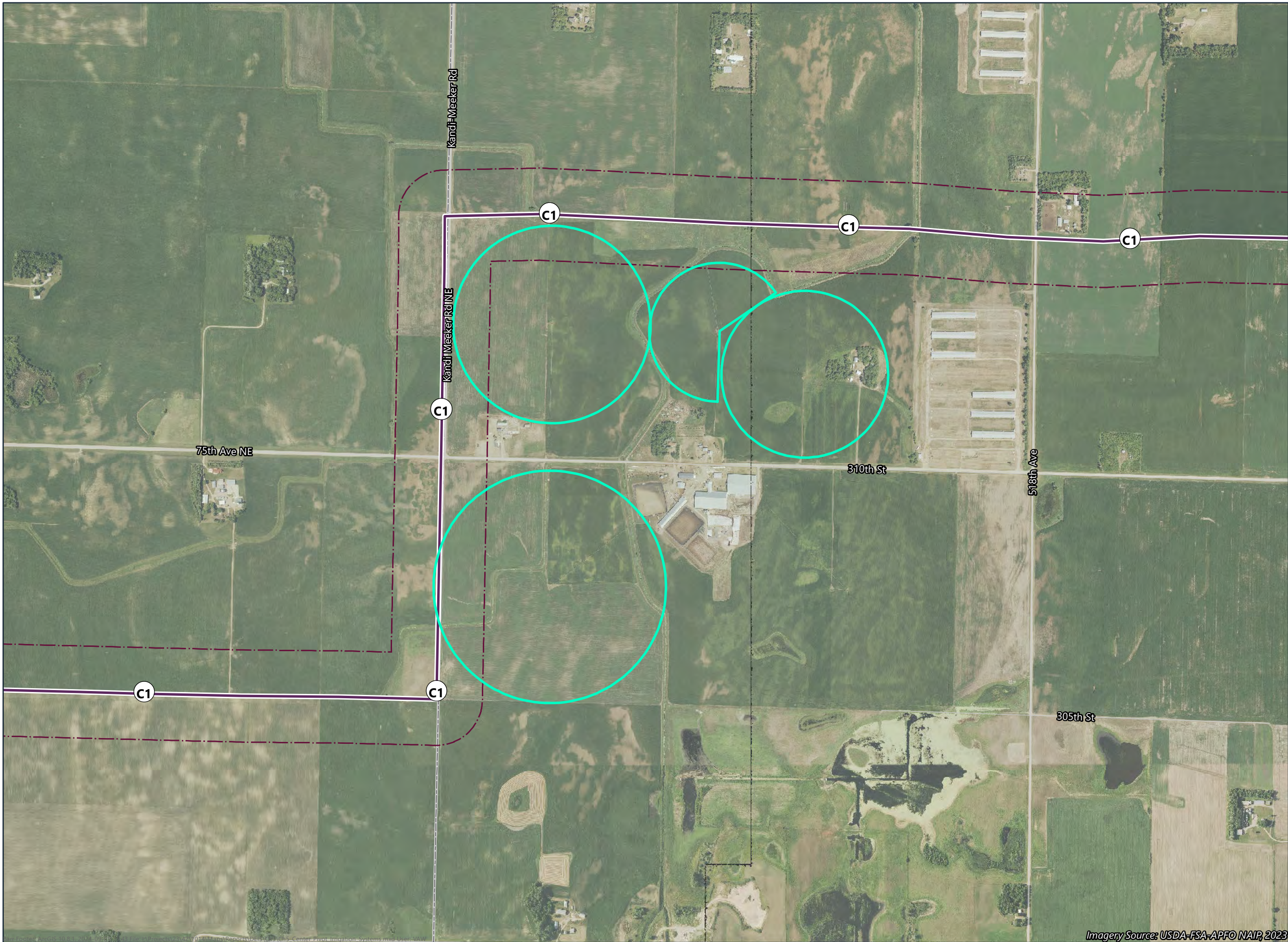
CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project



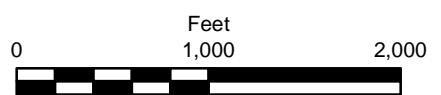
- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment C1 (Purple Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Center Pivot Irrigation System



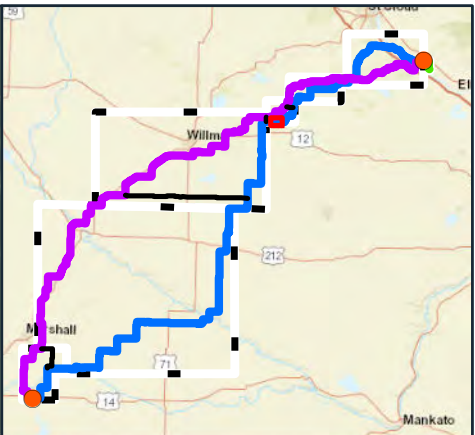
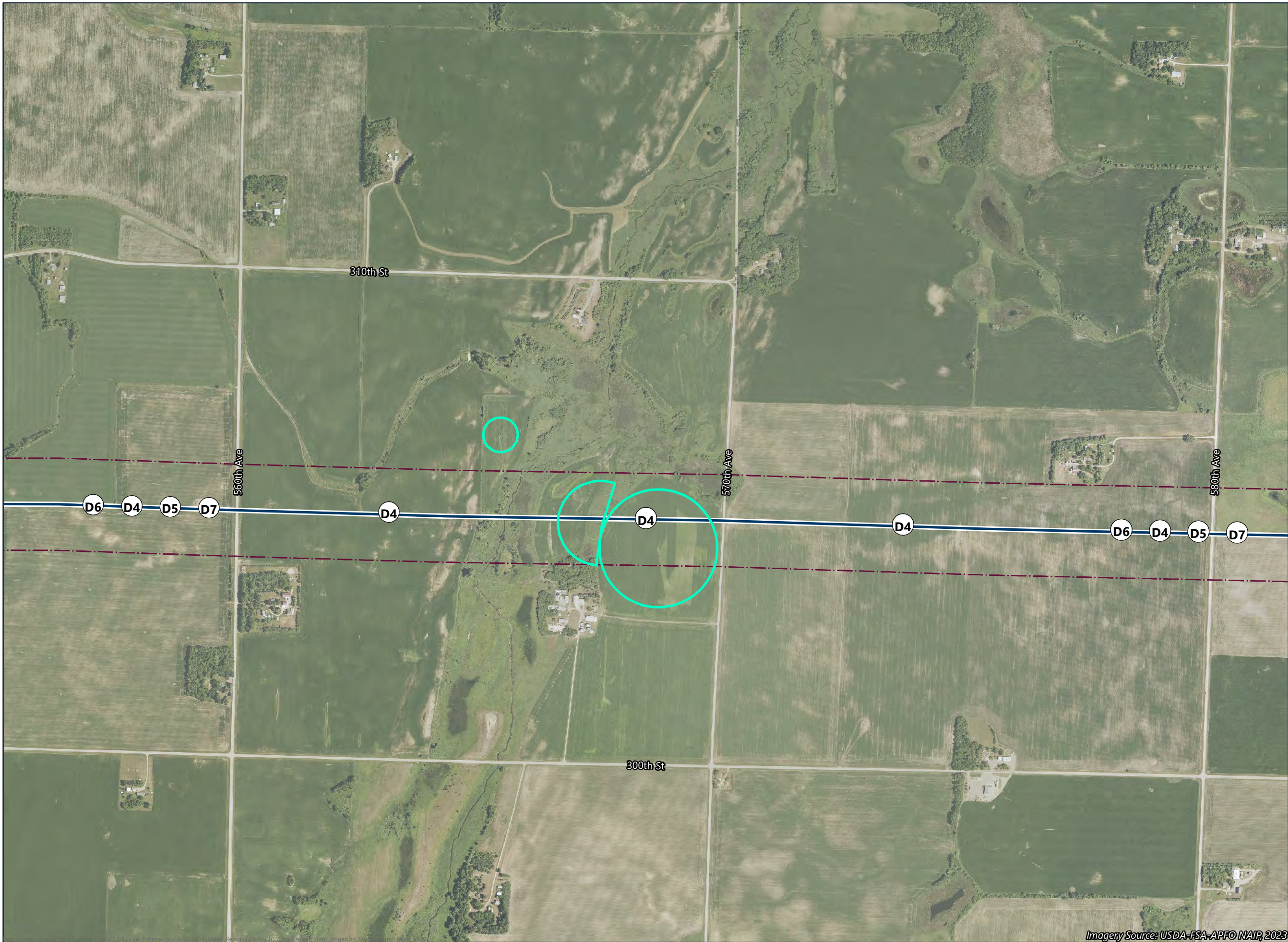
CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project



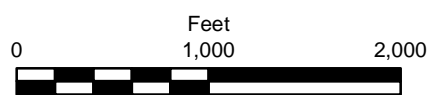
- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment C1 (Purple Route)
- Route Segment (incorporates alternative[s])
- Route Width
- Center Pivot Irrigation System



CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

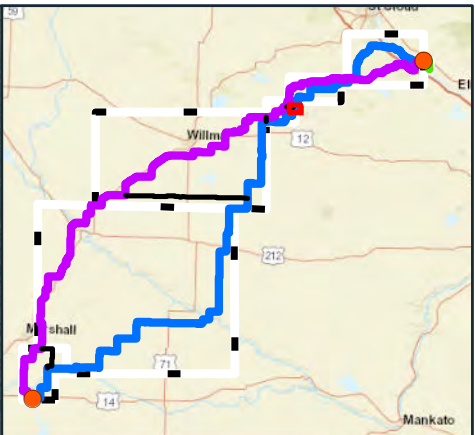
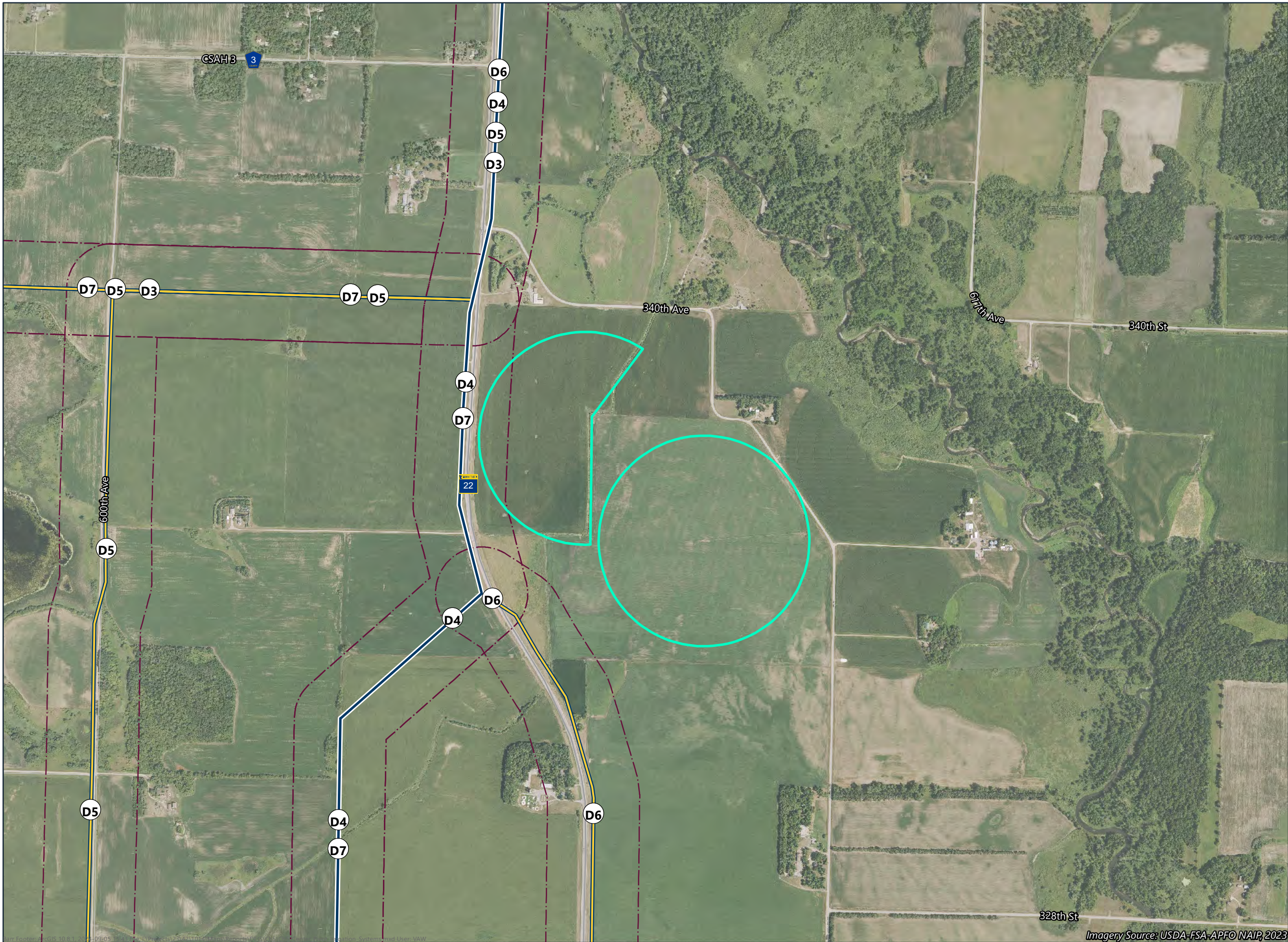


- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment D4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Route Width
- Center Pivot Irrigation System

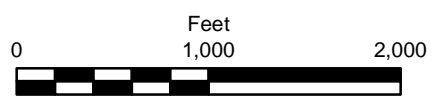


CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Imagery Source: USDA-FSA-APFO NAIR, 2023

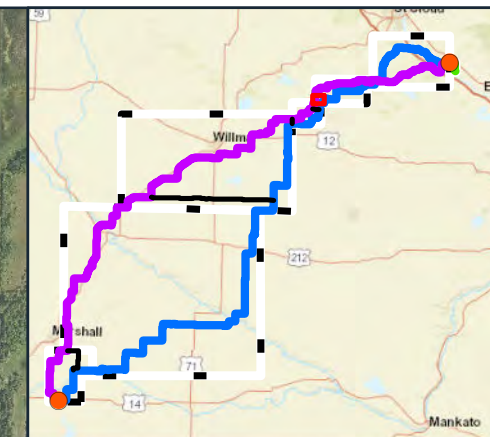
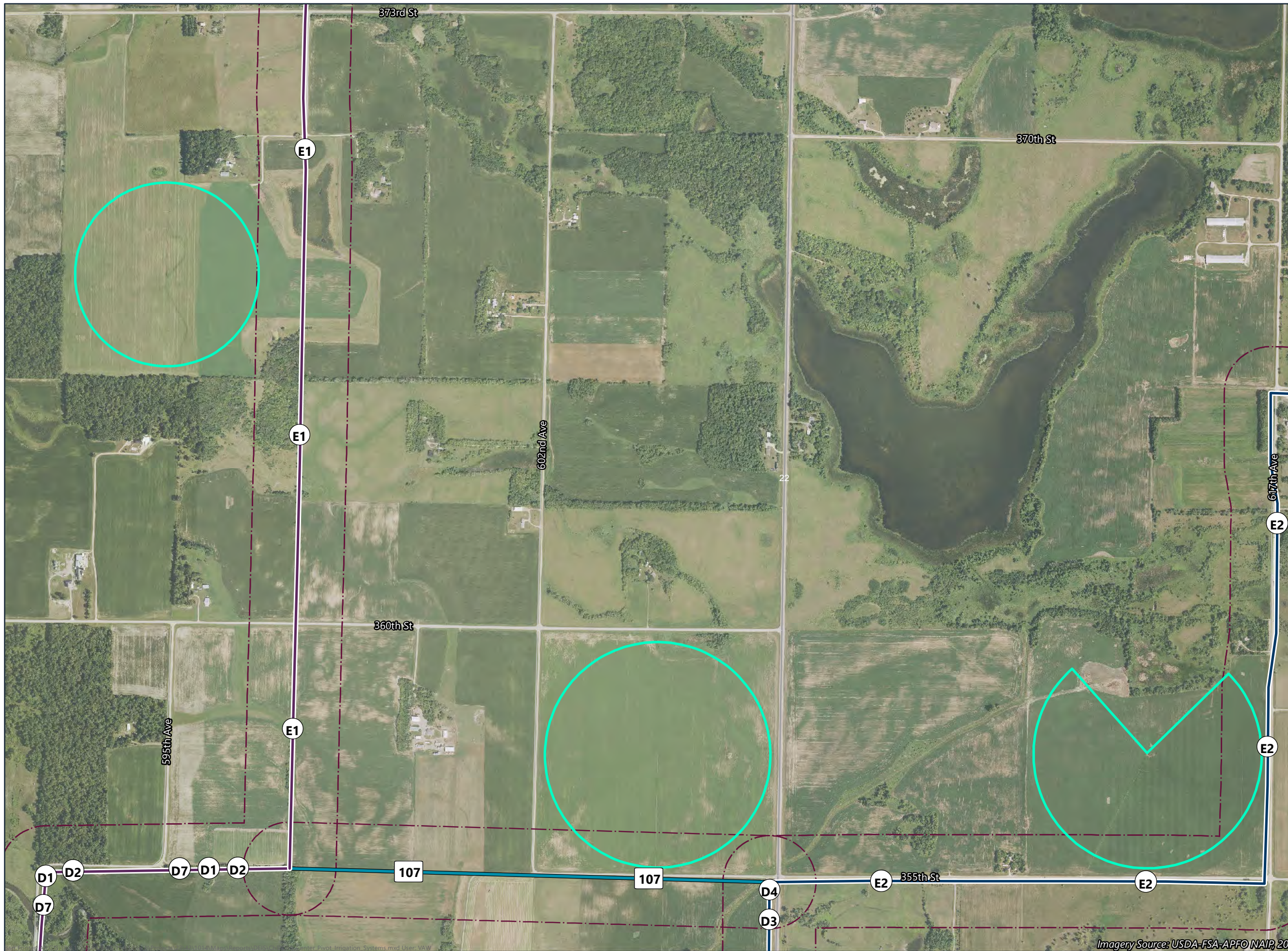


- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment D4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Route Connector
- Route Width
- Center Pivot Irrigation System

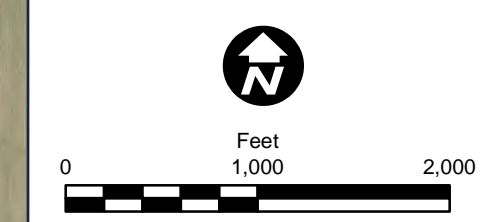


CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Imagery Source: USDA-FSA-APFO NAIP, 2023

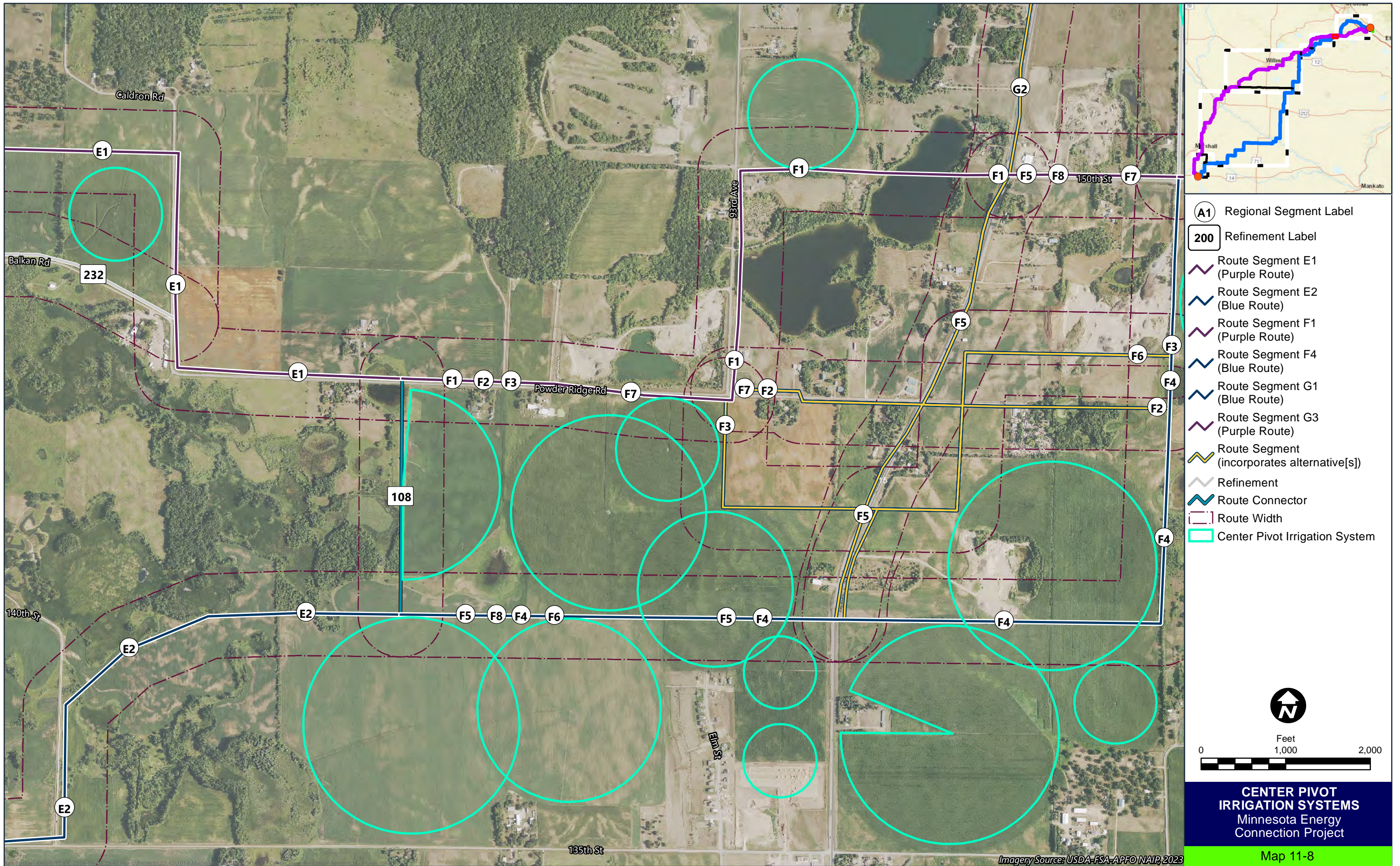


- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment D1 (Purple Route)
- Route Segment D4 (Blue Route)
- Route Segment E1 (Purple Route)
- Route Segment E2 (Blue Route)
- Route Segment (incorporates alternative[s])
- Route Connector
- Route Width
- Center Pivot Irrigation System

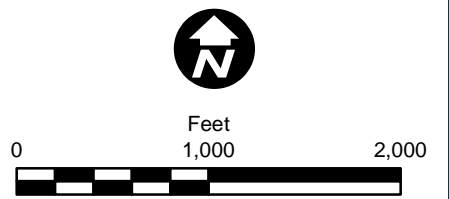


CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Imagery Source: USDA-FSA-APFO NAIP, 2023

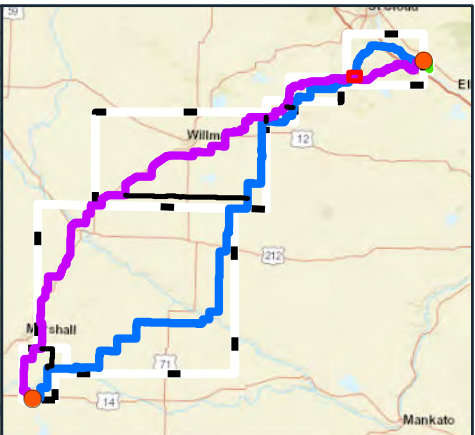
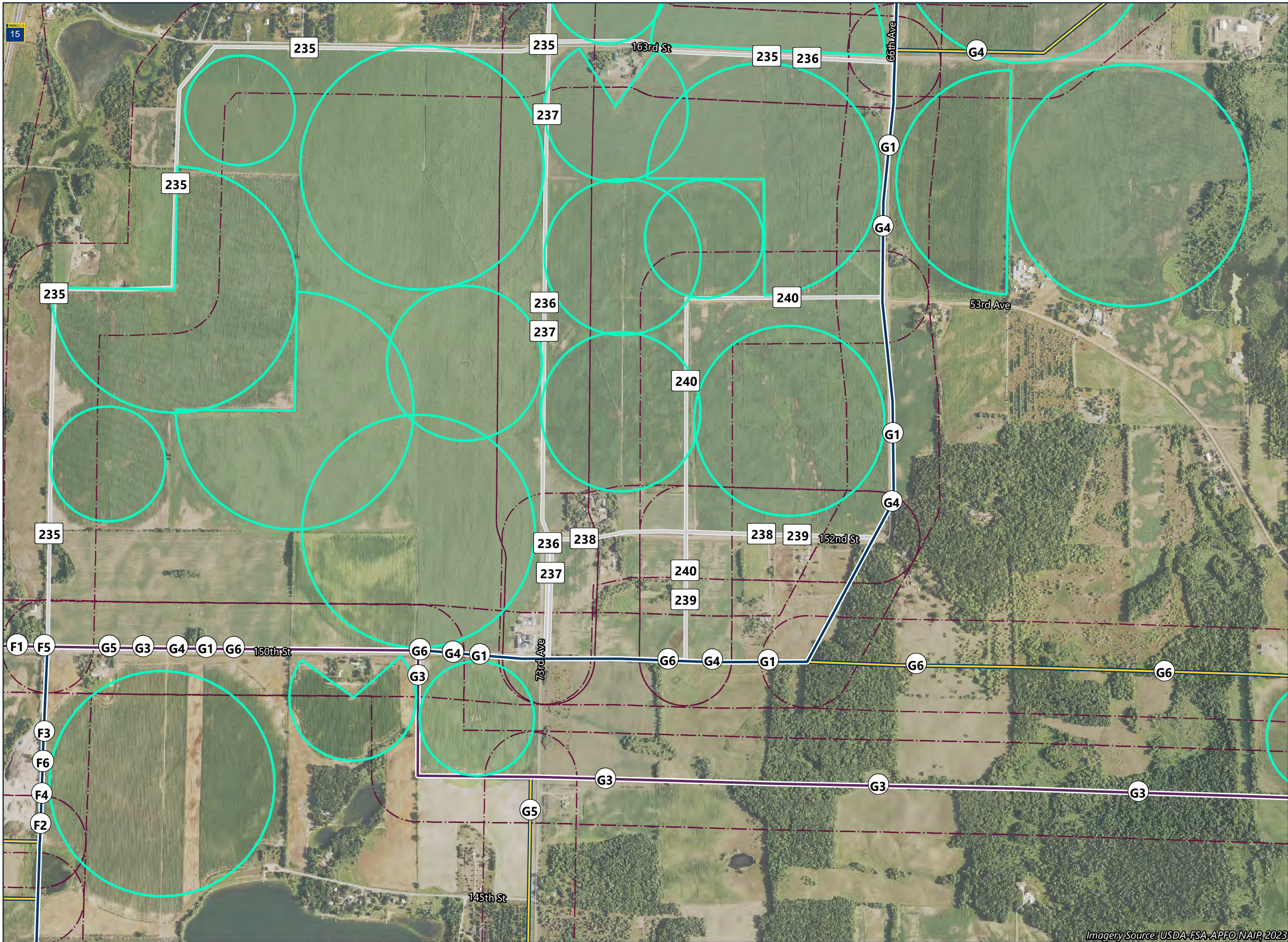


- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment E1 (Purple Route)
- Route Segment E2 (Blue Route)
- Route Segment F1 (Purple Route)
- Route Segment F4 (Blue Route)
- Route Segment G1 (Blue Route)
- Route Segment G3 (Purple Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- Center Pivot Irrigation System

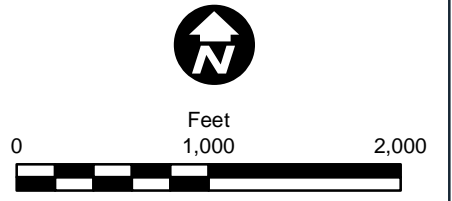


CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Imagery Source: USDA-FSA-APFO NAIP, 2023

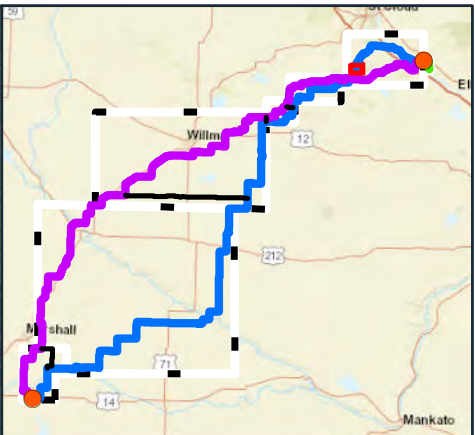
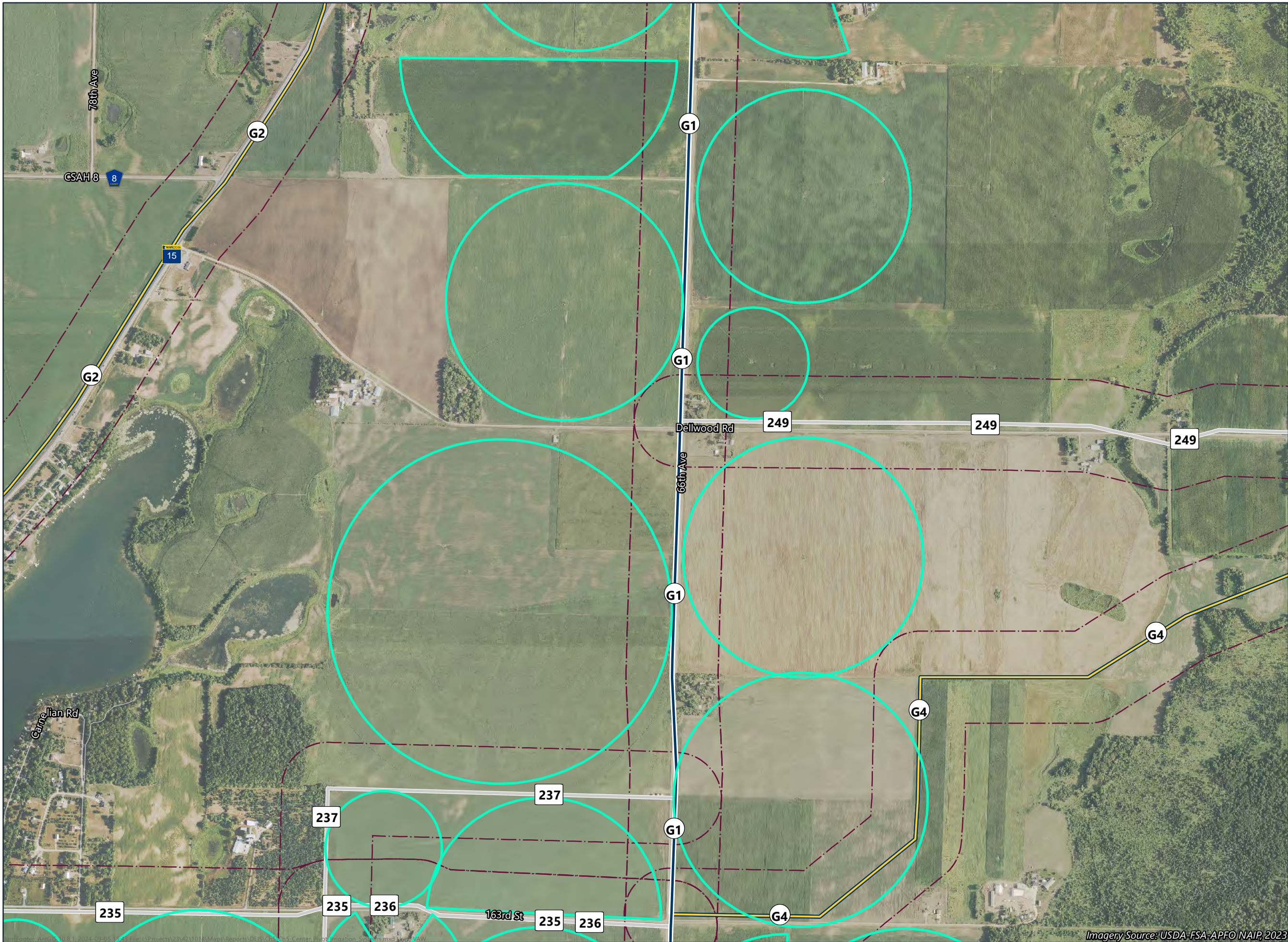


- (A1)** Regional Segment Label
- 200** Refinement Label
- Route Segment F1 (Purple Route)
- Route Segment F4 (Blue Route)
- Route Segment G1 (Blue Route)
- Route Segment G3 (Purple Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- Center Pivot Irrigation System

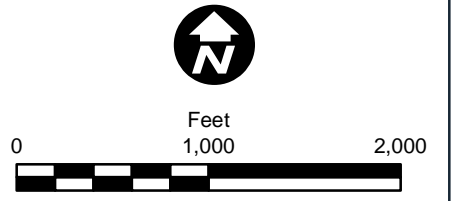


CENTER PIVOT IRRIGATION SYSTEMS
 Minnesota Energy Connection Project

Imagery Source: USDA-FSA-APFO NAIP, 2023

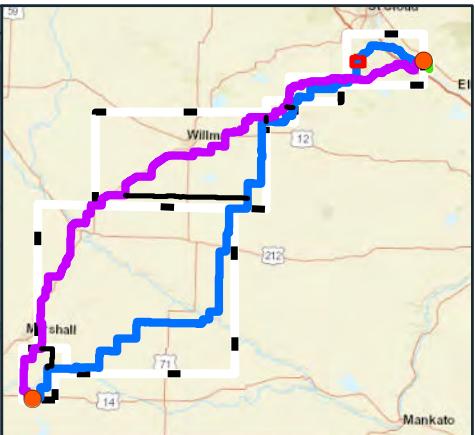
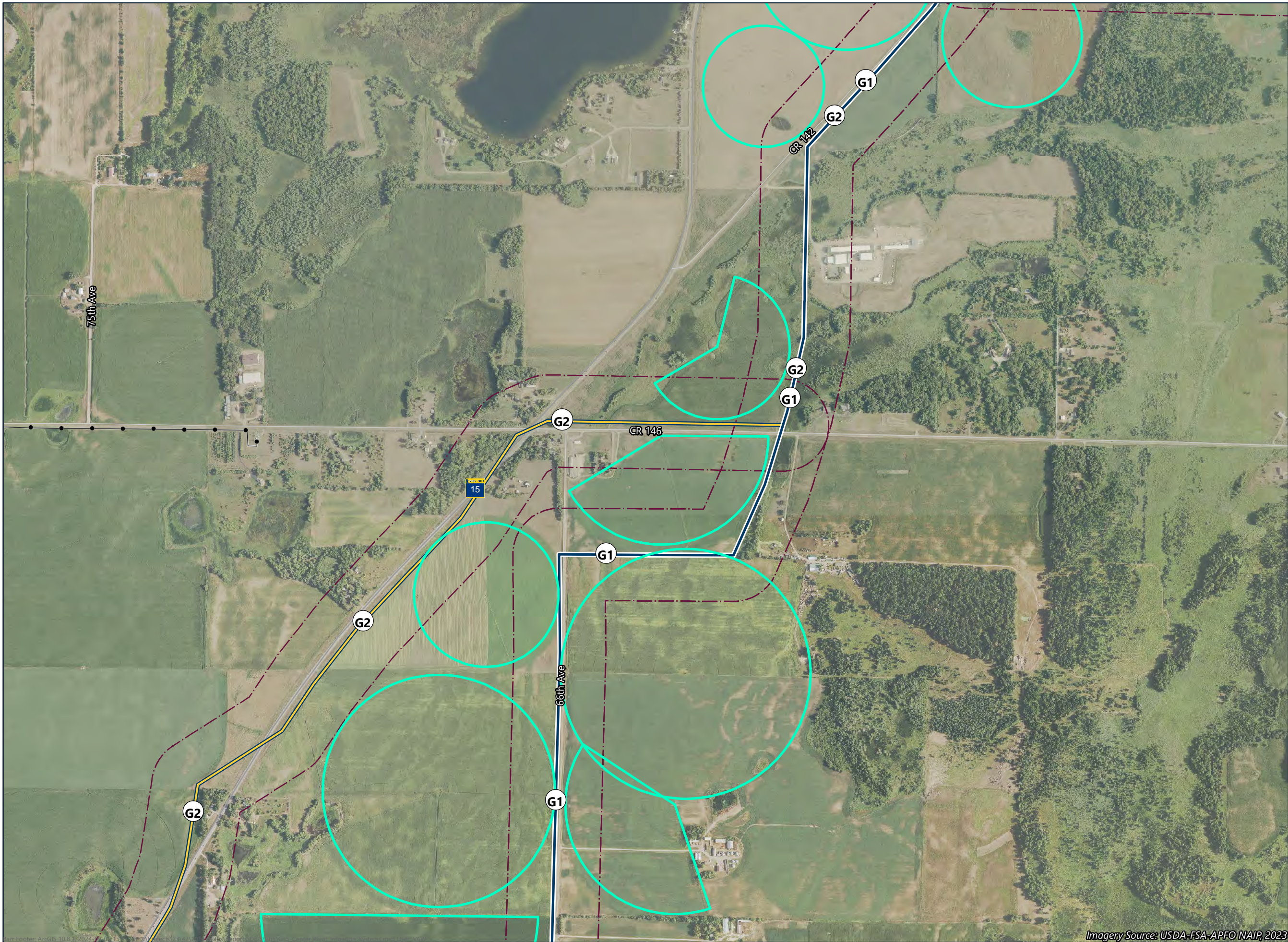


- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- Center Pivot Irrigation System

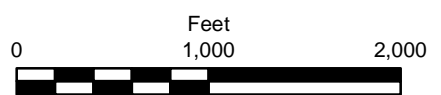


CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Imagery Source: USDA-FSA-APFO NAIP, 2023



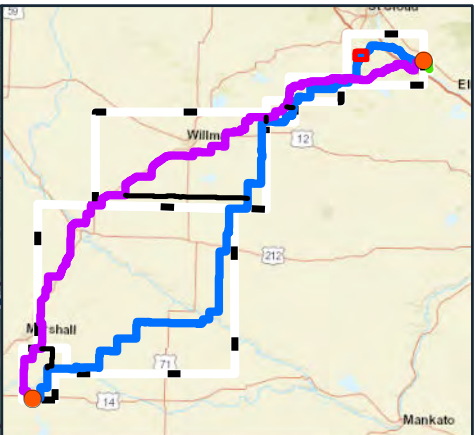
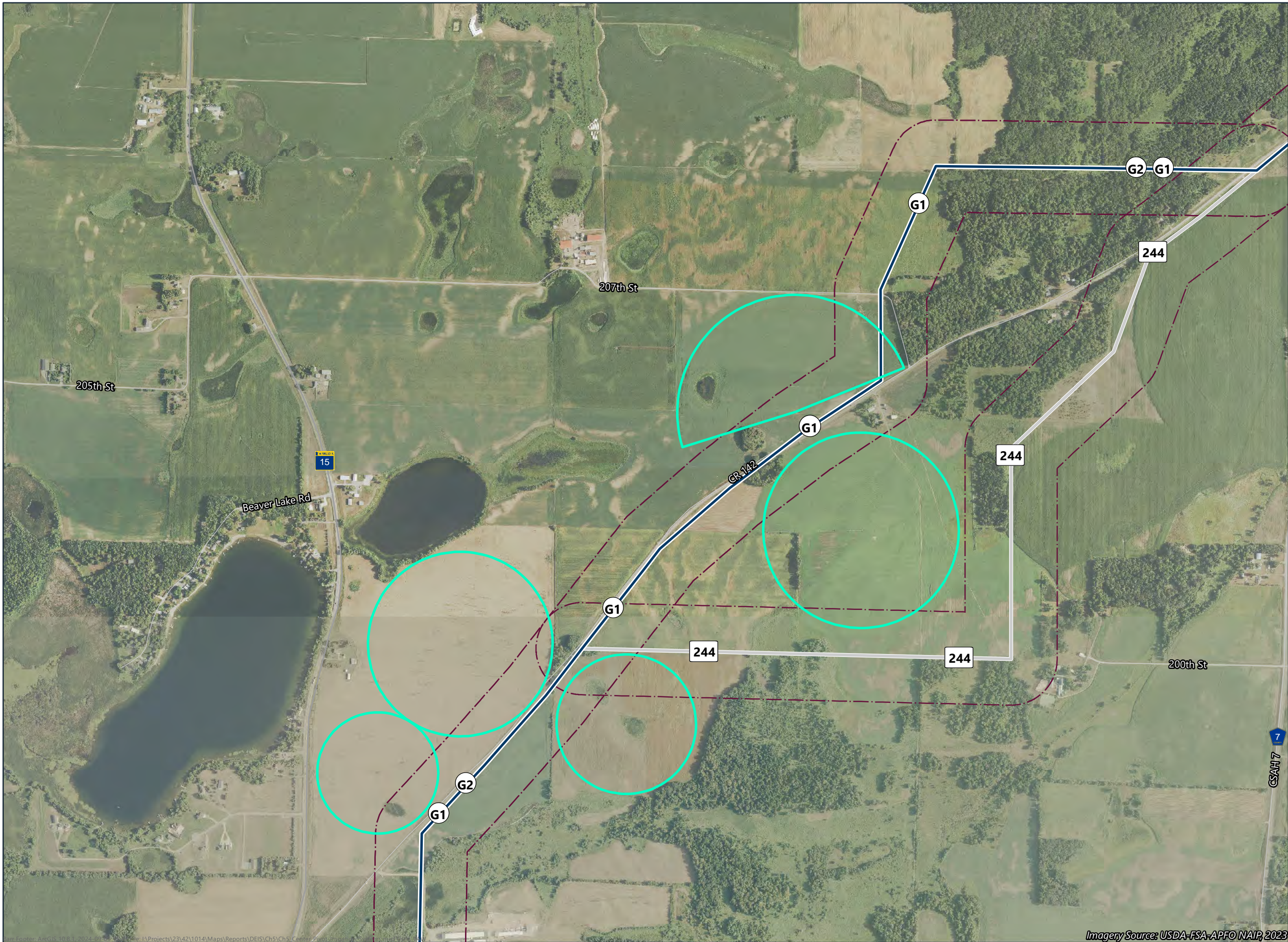
- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment (incorporates alternative[s])
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System



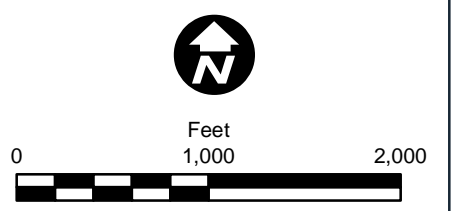
CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Map 11-11

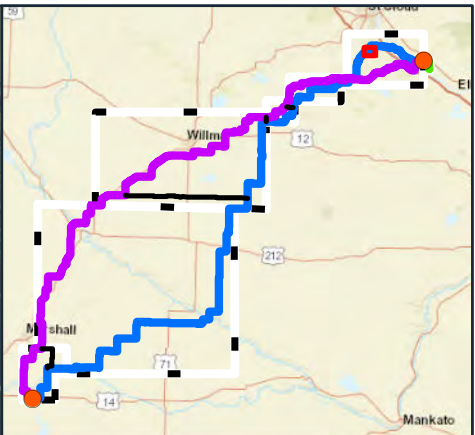
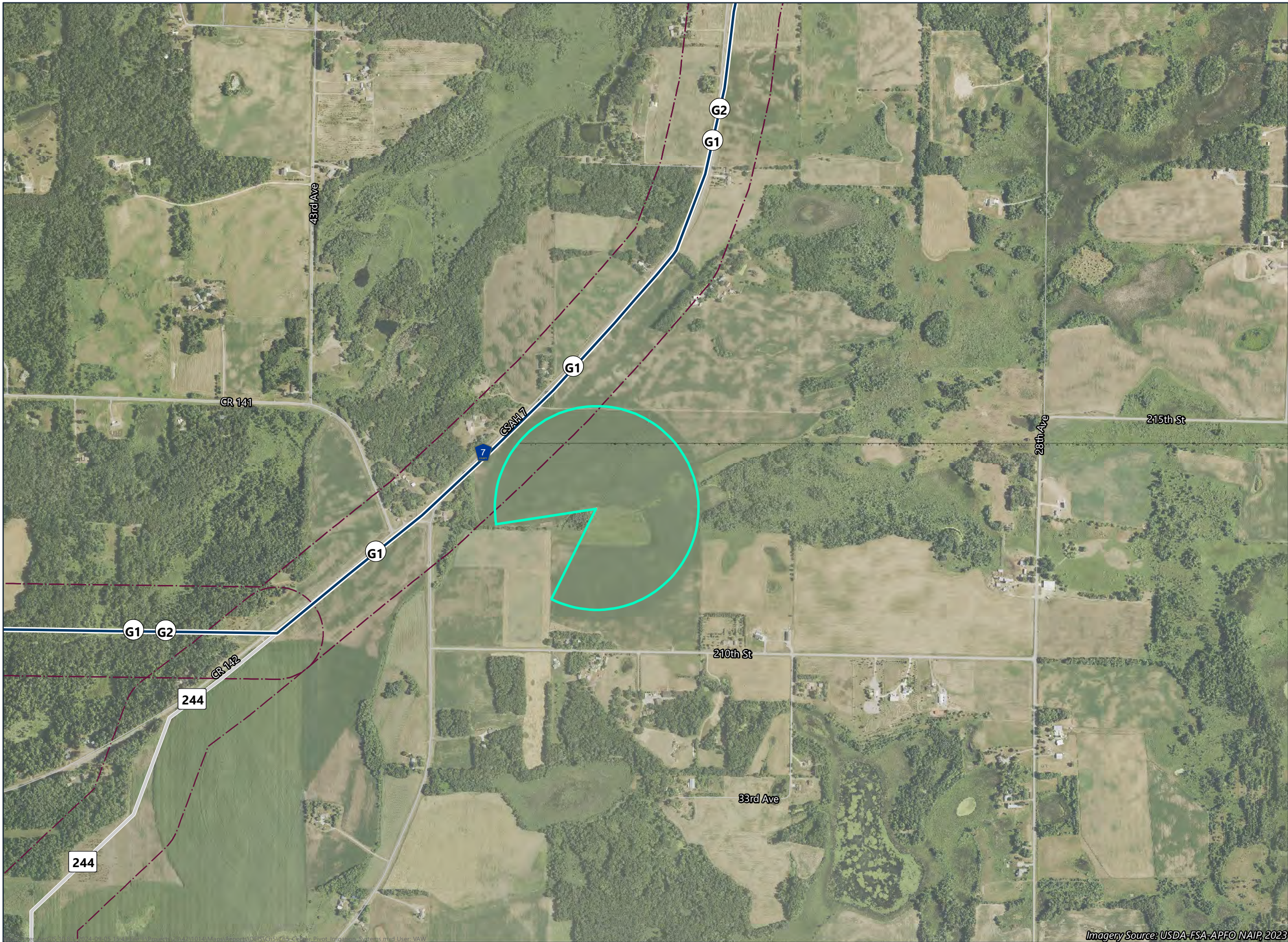
Imagery Source: USDA-FSA-APFO NAIP, 2023



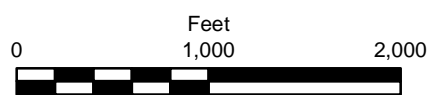
- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Center Pivot Irrigation System



CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project



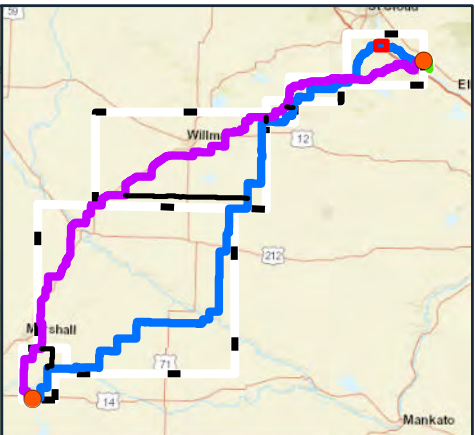
- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Center Pivot Irrigation System



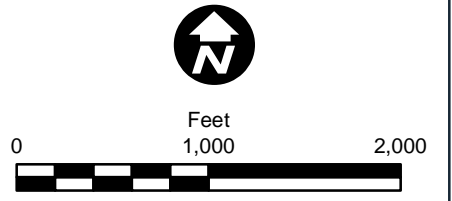
CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Map 11-13

Imagery Source: USDA-FSA-APFO NAIP, 2023

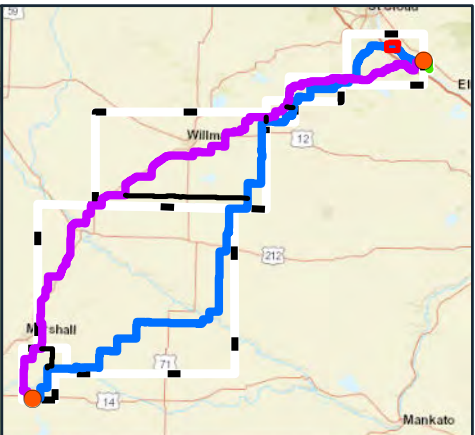
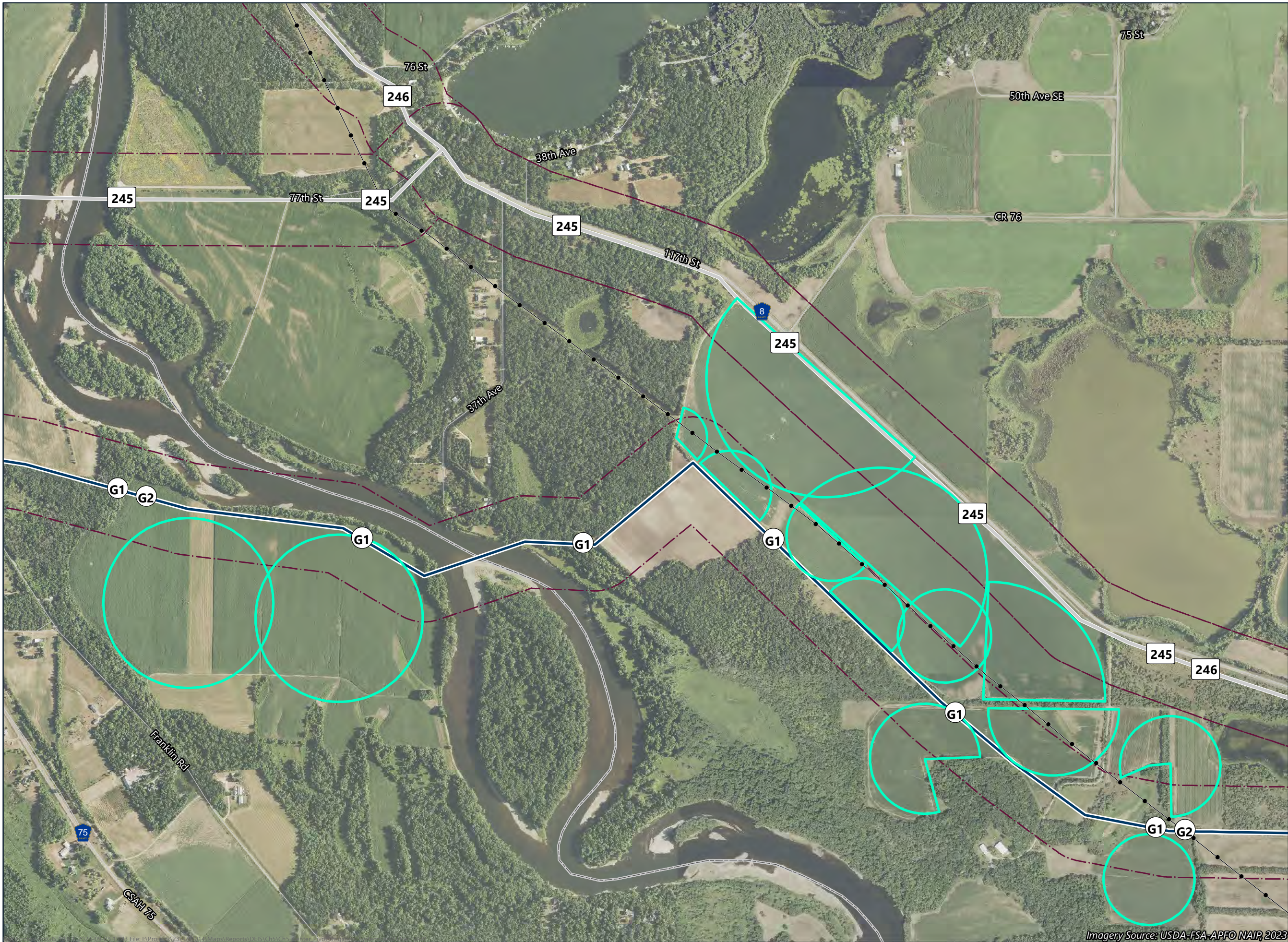


- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System

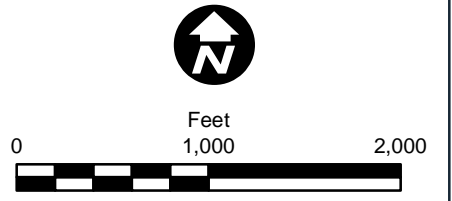


CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Imagery Source: USDA-FSA-APFO NAIP, 2023

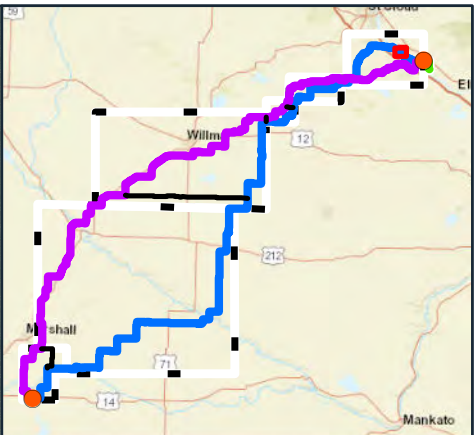
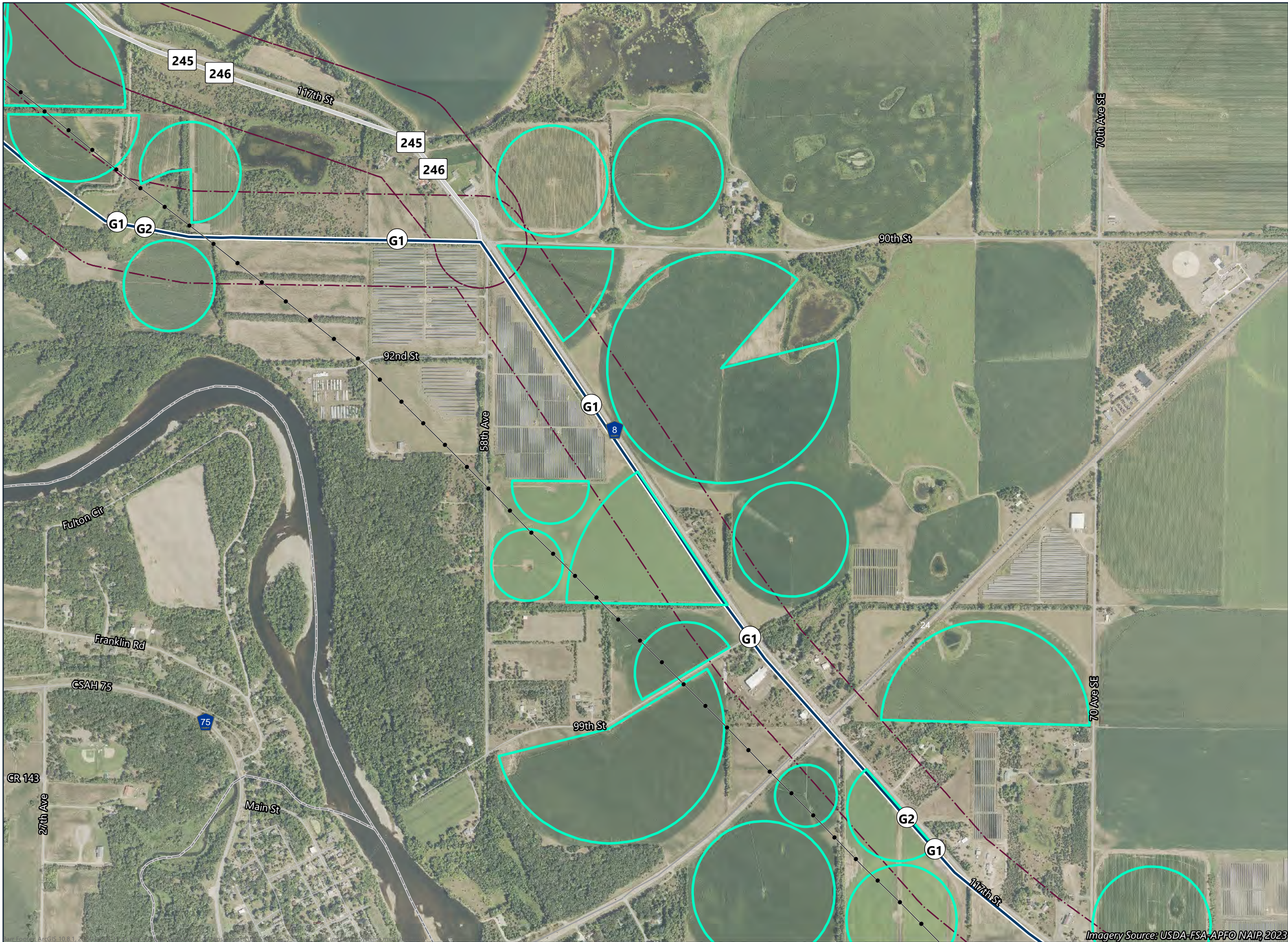


- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System

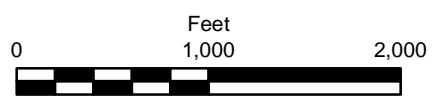


CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Imagery Source: USDA-FSA-APFO NAIP, 2023



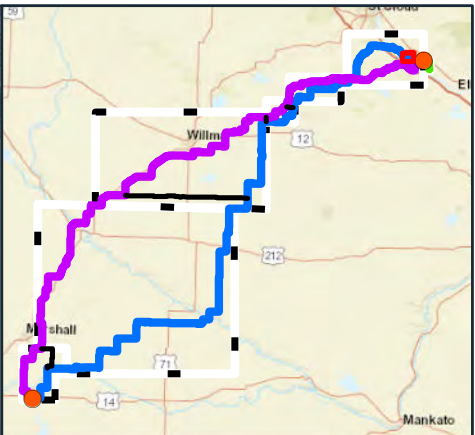
- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System



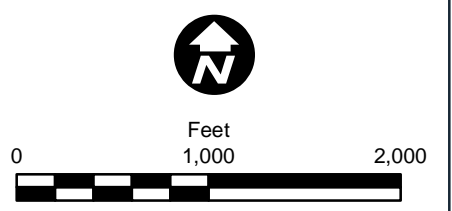
CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Map 11-16

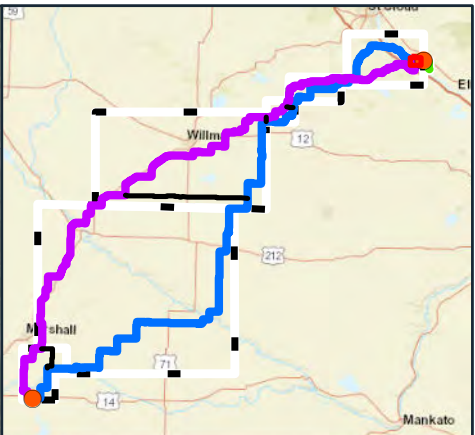
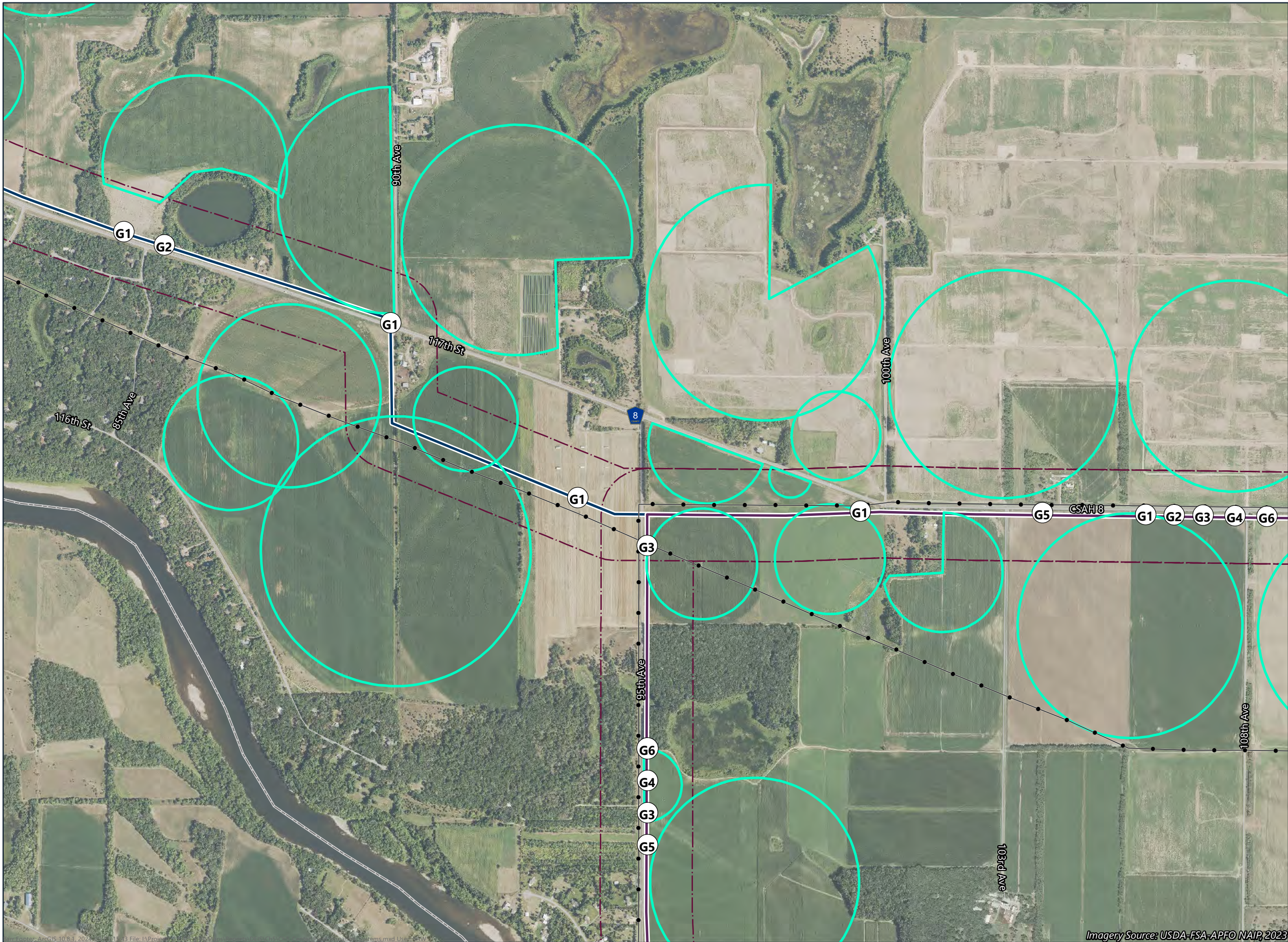
Imagery Source: USDA-FSA-APFO NAIP, 2023



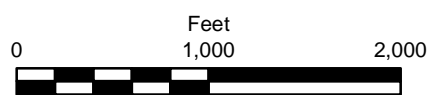
- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment (incorporates alternative[s])
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System



CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

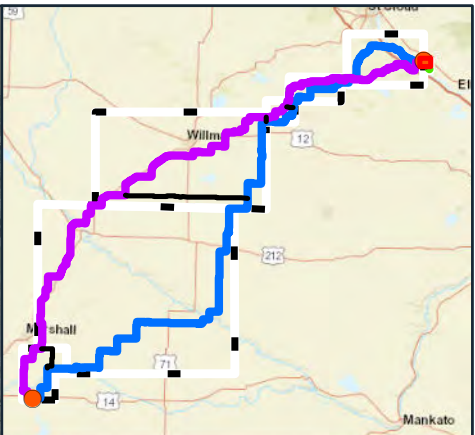
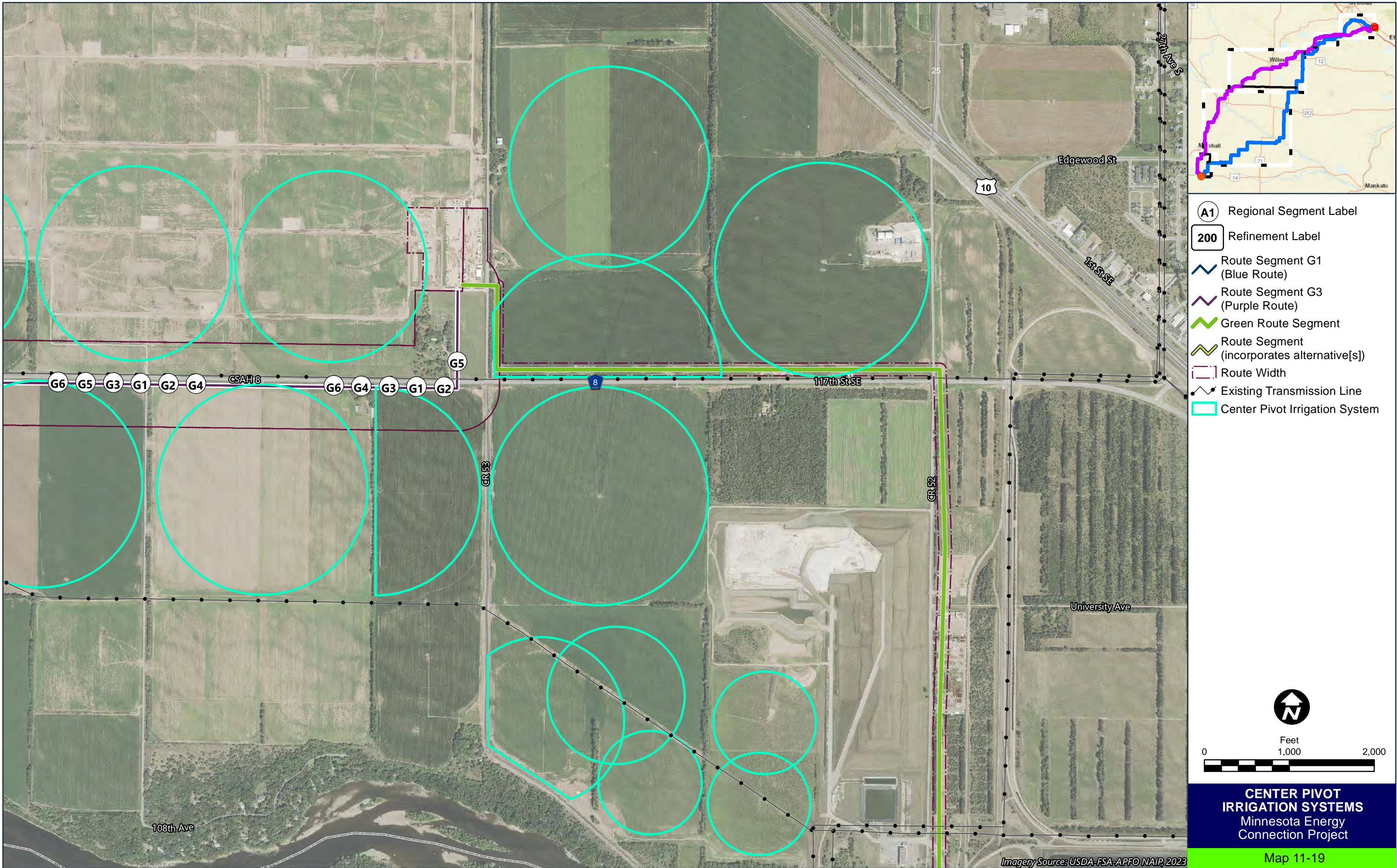


- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment G3 (Purple Route)
- Route Segment (incorporates alternative[s])
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System

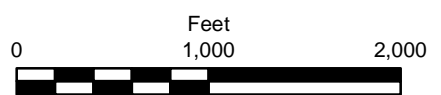


CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Imagery Source: USDA-FSA-APFO NAIP, 2023

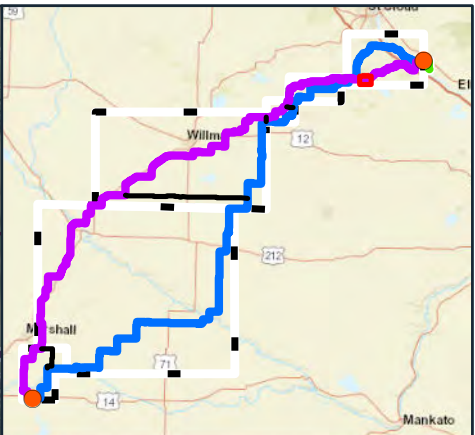
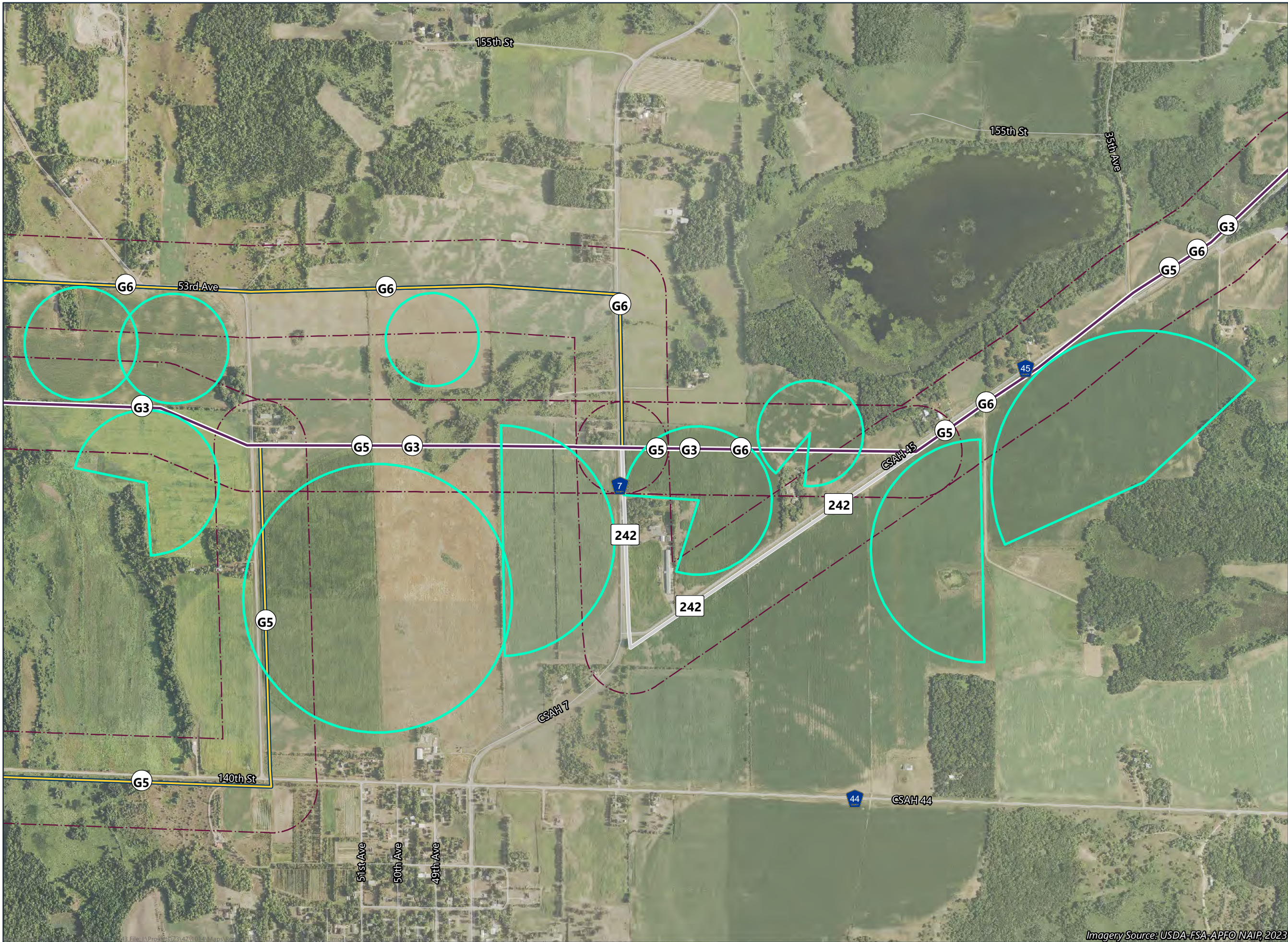


- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment G3 (Purple Route)
- Green Route Segment
- Route Segment (incorporates alternative[s])
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System

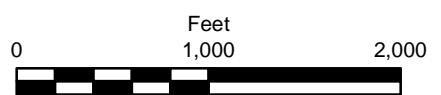


CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Imagery Source: USDA-FSA-APFO NAIP, 2023

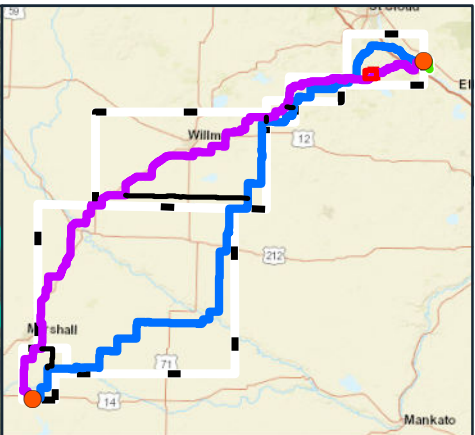
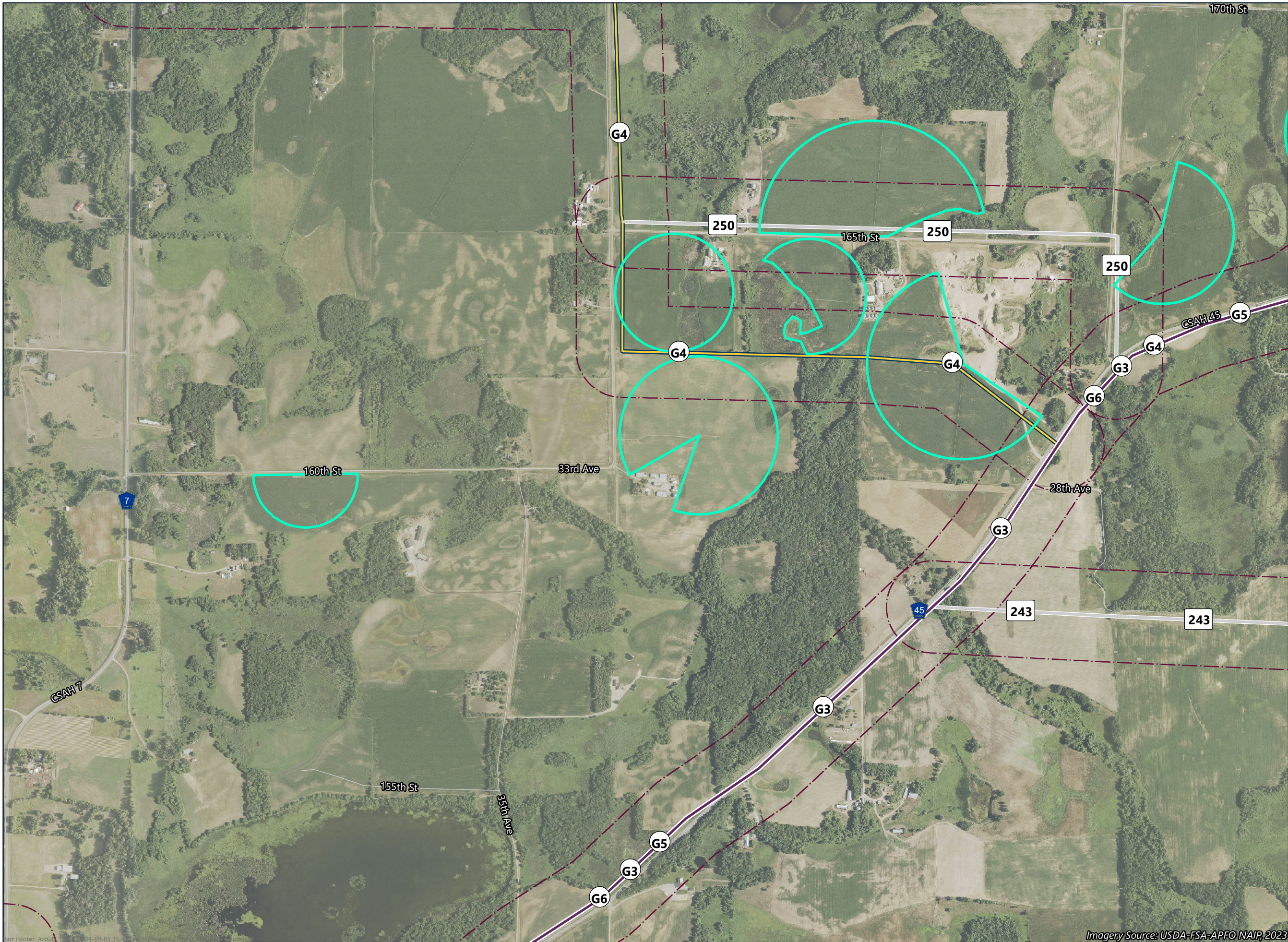


- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment G3 (Purple Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- Center Pivot Irrigation System

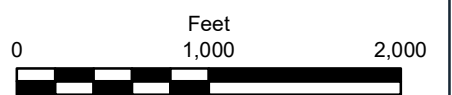


CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Imagery Source: USDA-FSA-APFO NAIP, 2023

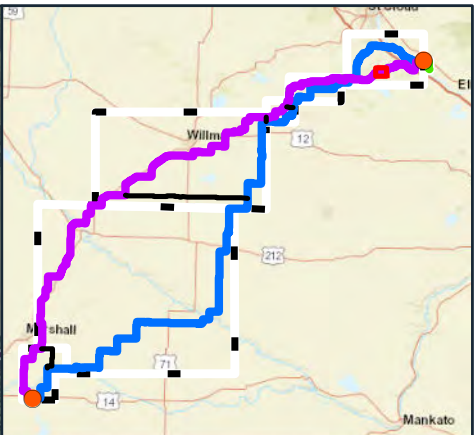
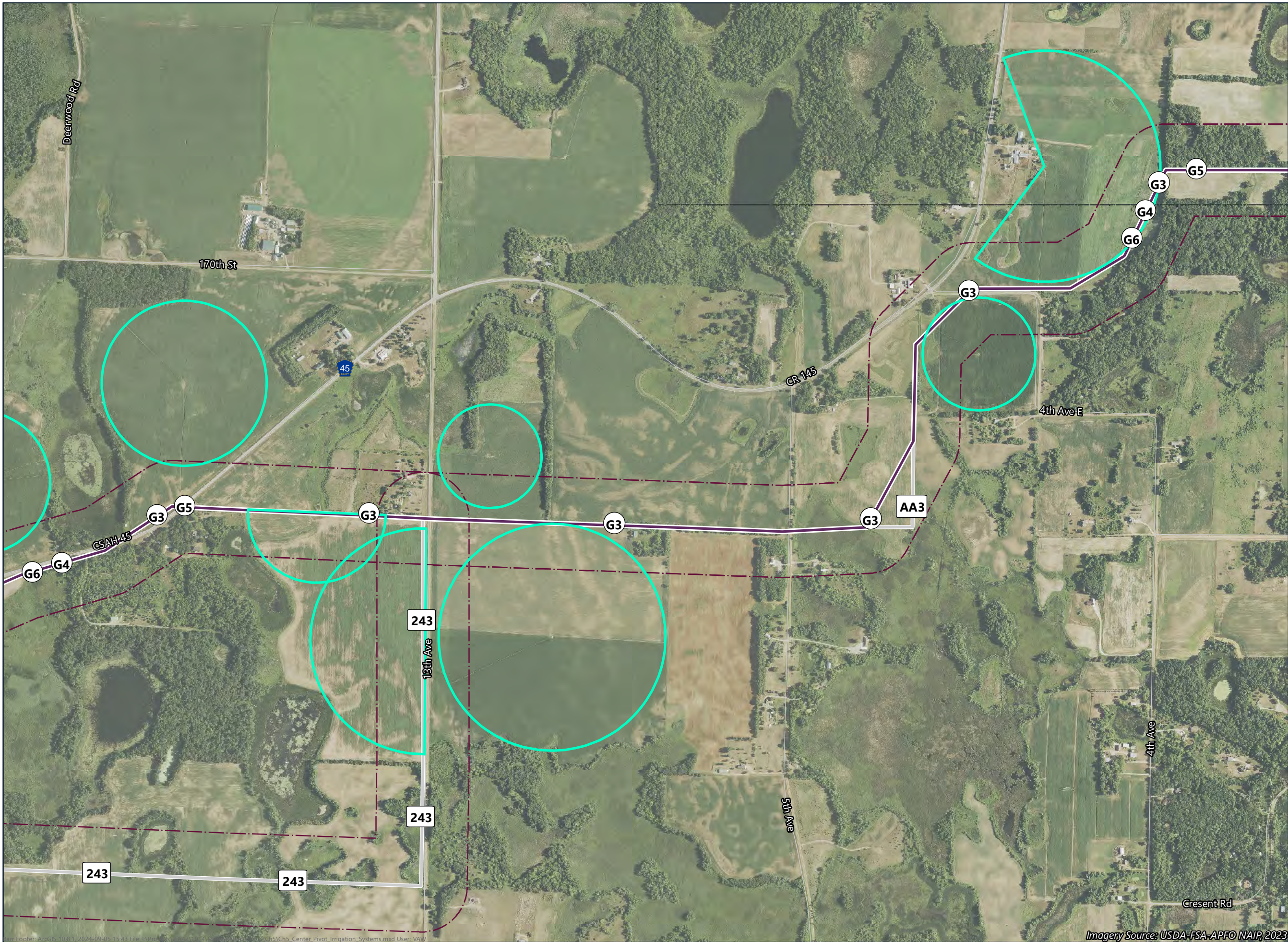


- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment G3 (Purple Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- Center Pivot Irrigation System

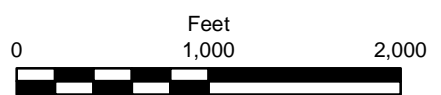


CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Imagery Source: USDA-FSA-APFO NAIP, 2023



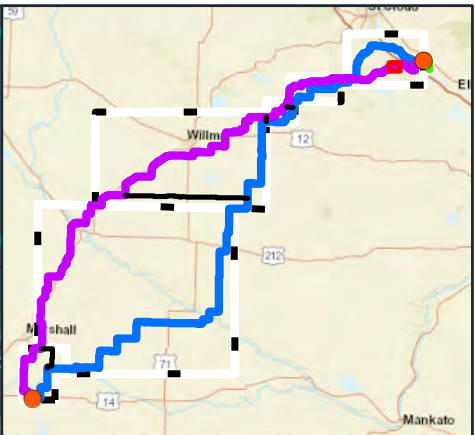
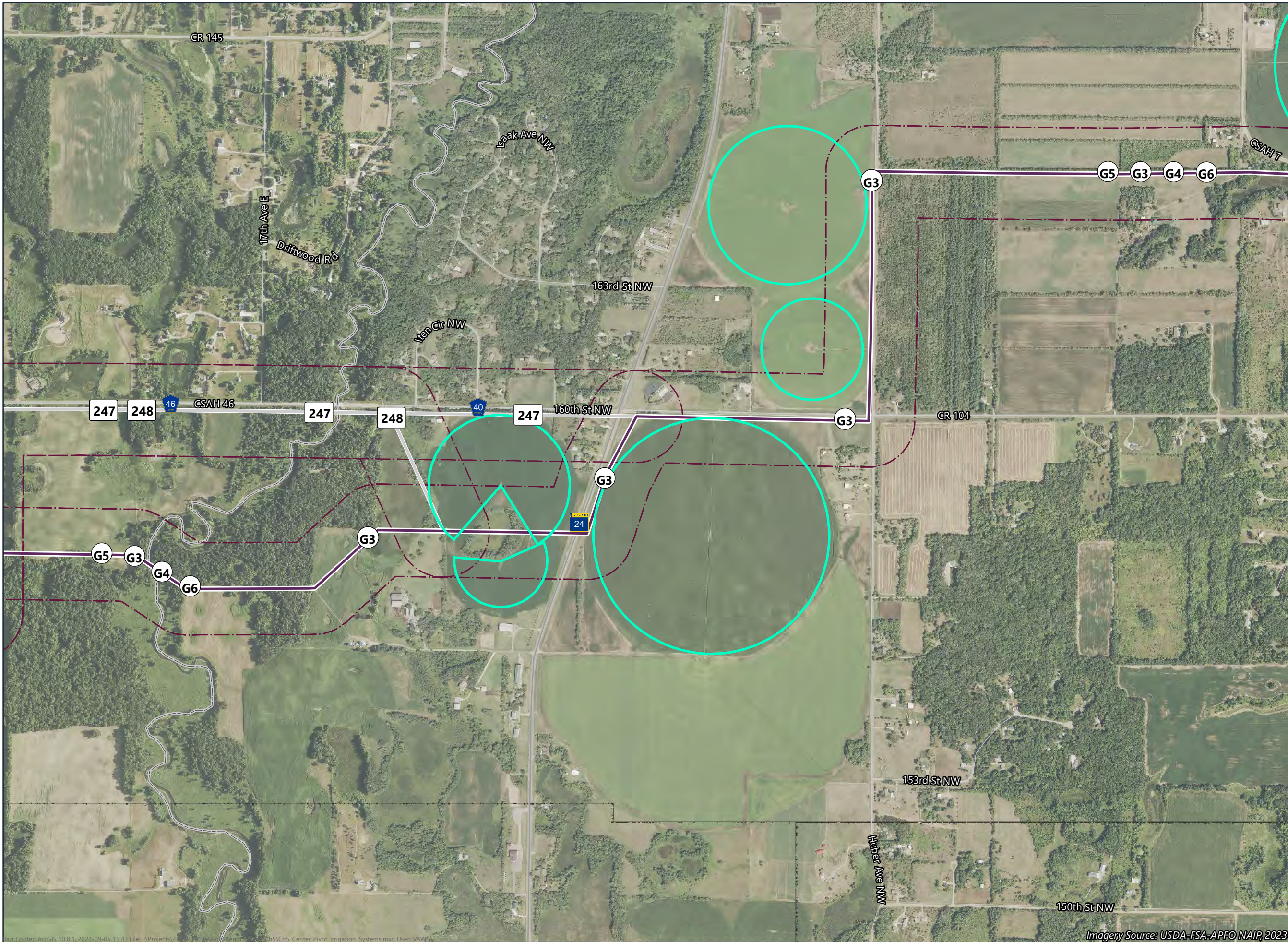
- (A1)** Regional Segment Label
- 200** Refinement Label
- Route Segment G3 (Purple Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Center Pivot Irrigation System



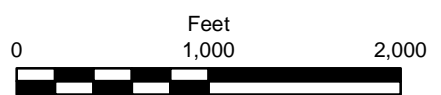
CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Map 11-22

Imagery Source: USDA-FSA-APFO NAIP, 2023



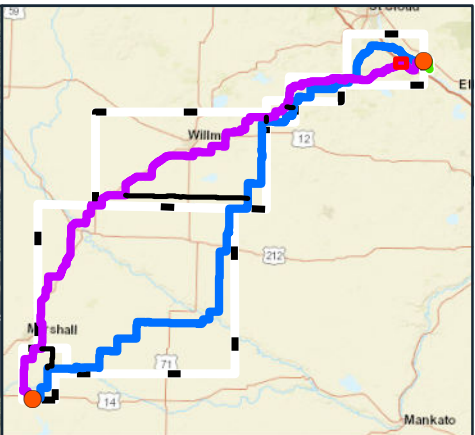
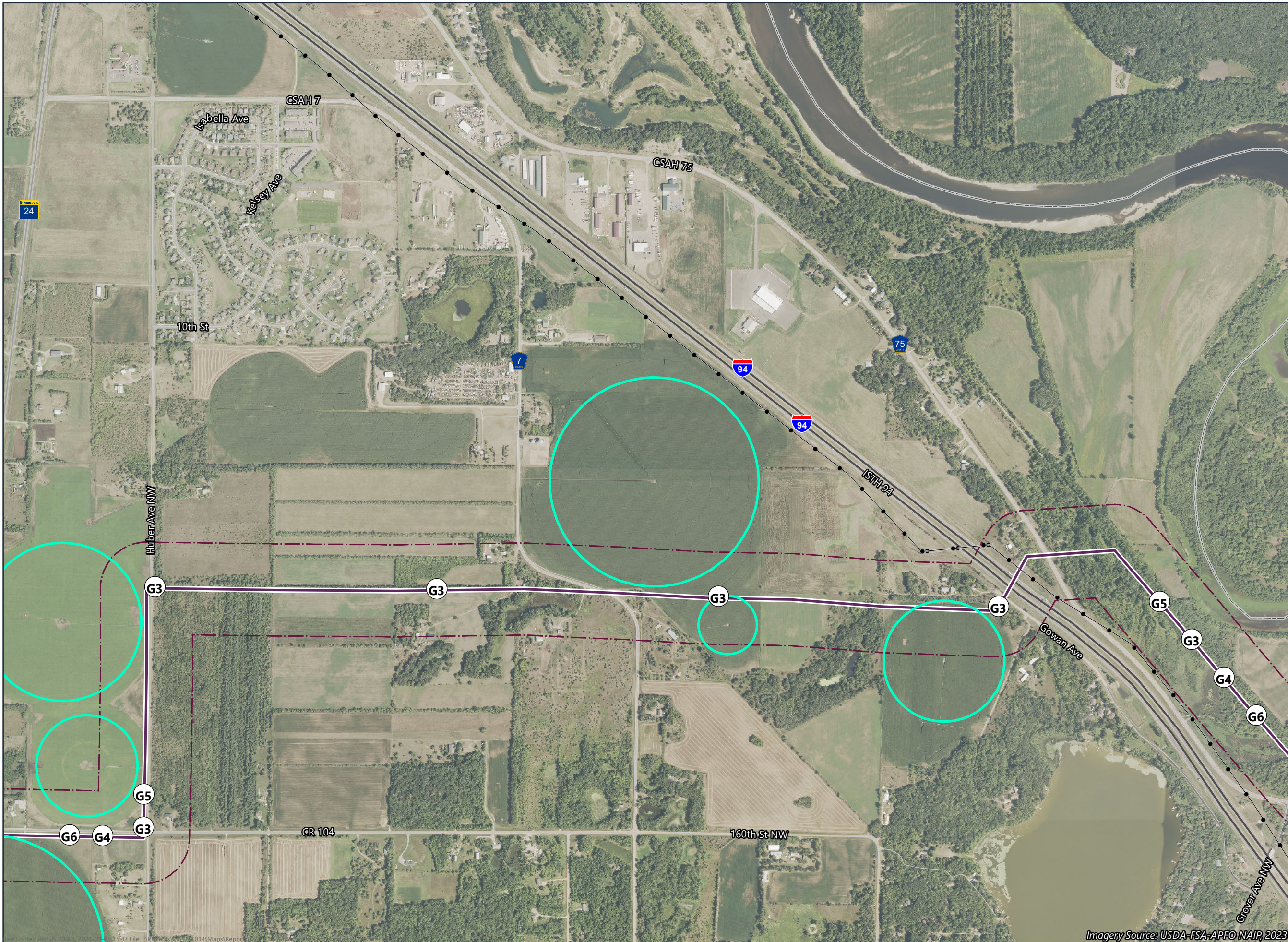
- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment G3 (Purple Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Center Pivot Irrigation System



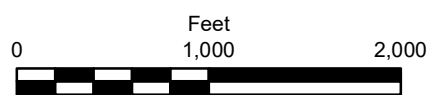
CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Map 11-23

Imagery Source: USDA-FSA-APFO NAIP, 2023



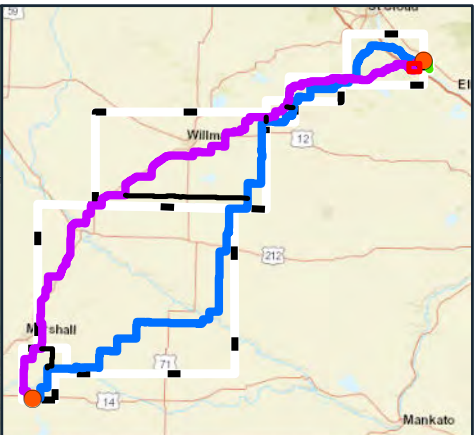
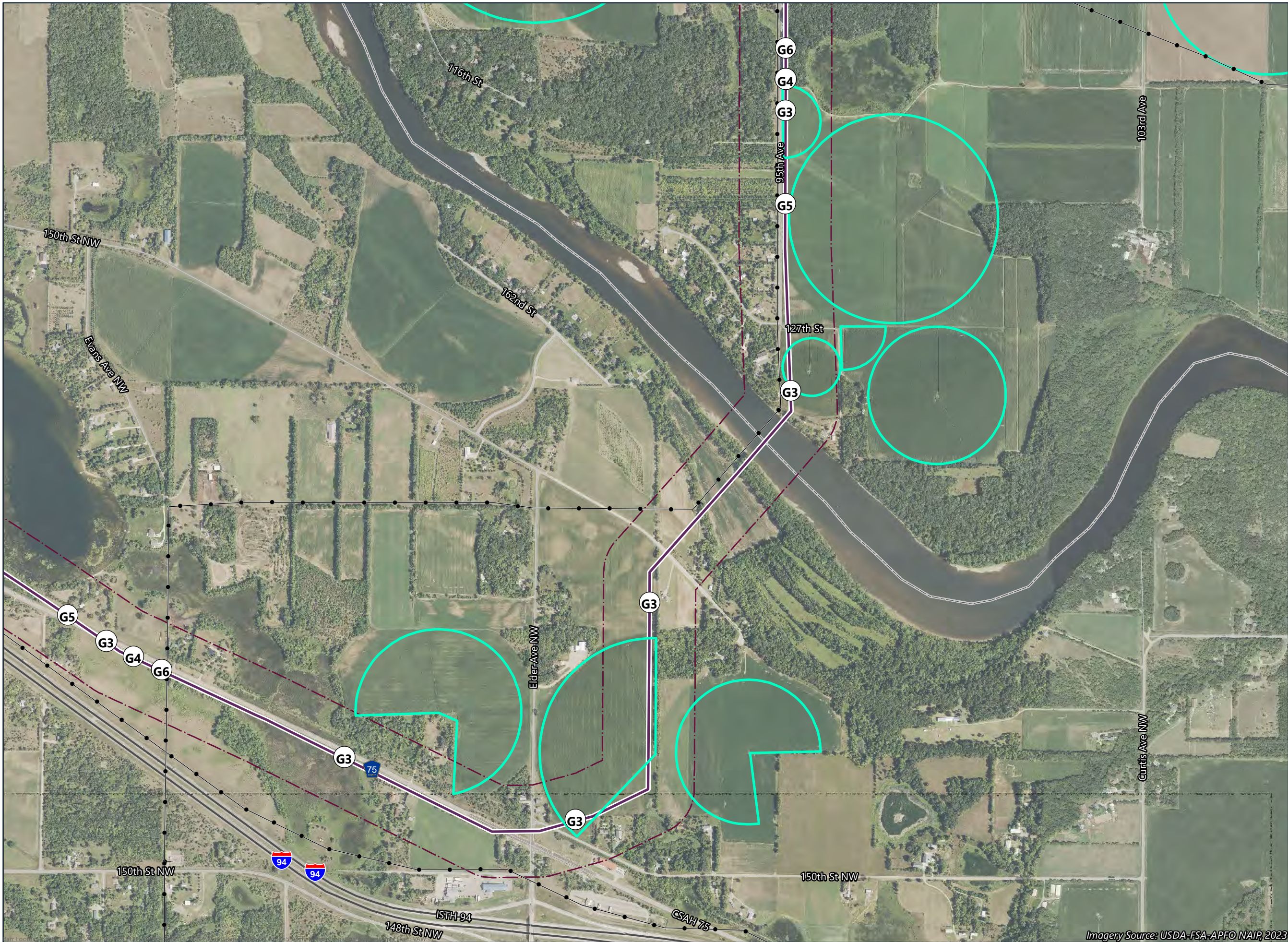
- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment G3 (Purple Route)
- Route Segment (incorporates alternative[s])
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System



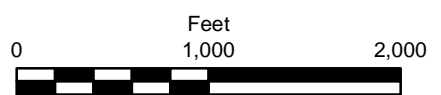
CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Map 11-24

Imagery Source: USDA-FSA-APFO NAIP, 2023



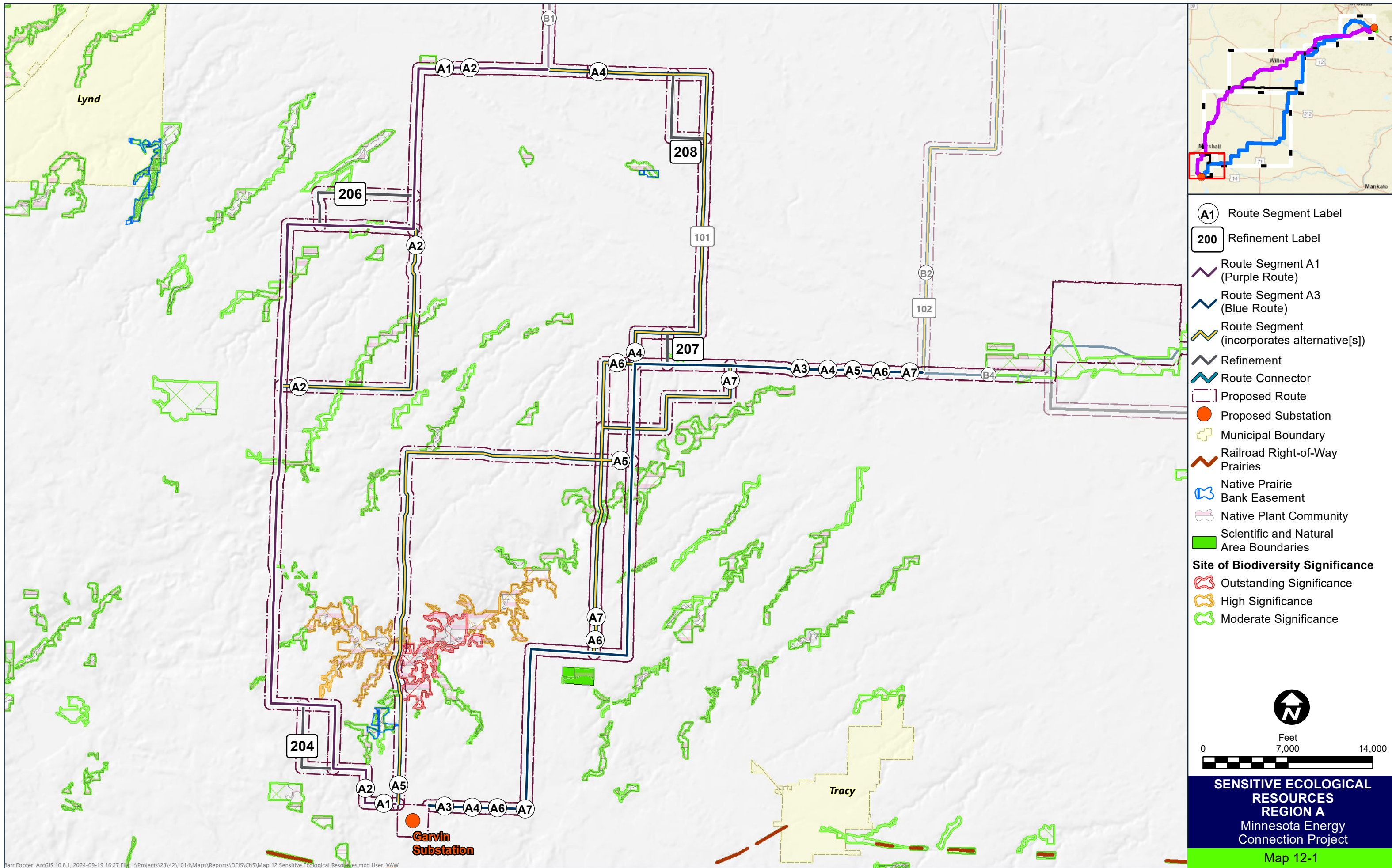
- A1 Regional Segment Label
- 200 Refinement Label
- Route Segment G3 (Purple Route)
- Route Segment (incorporates alternative[s])
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System



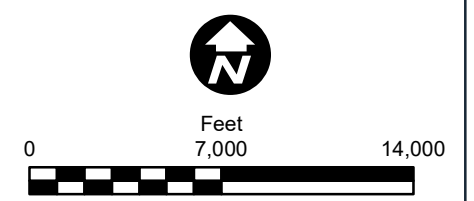
CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

Map 11-25

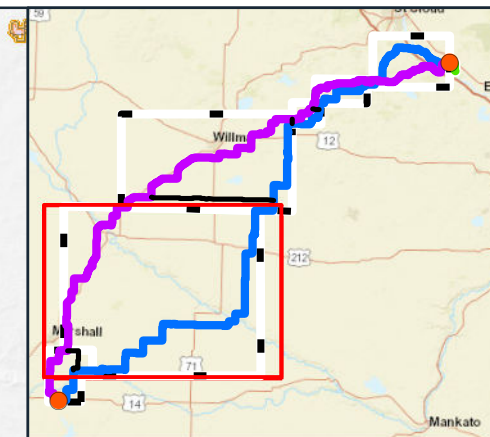
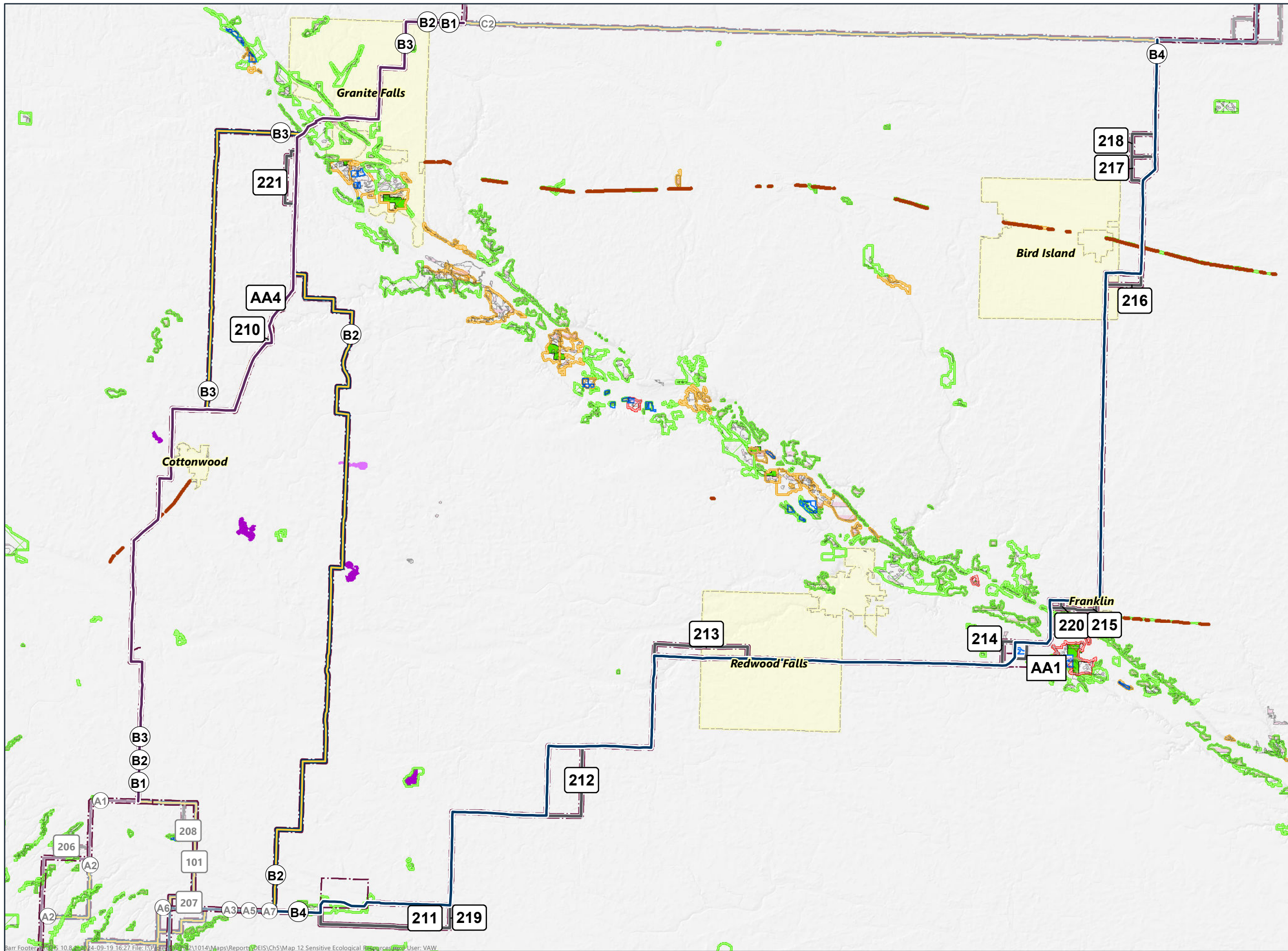
Imagery Source: USDA-FSA-APFO NAIP, 2023



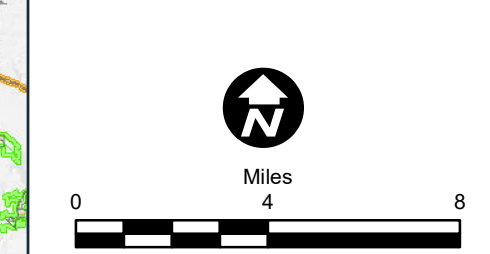
- A1 Route Segment Label
- 200 Refinement Label
- Route Segment A1 (Purple Route)
- Route Segment A3 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Proposed Route
- Proposed Substation
- Municipal Boundary
- Railroad Right-of-Way
- Prairies
- Native Prairie
- Bank Easement
- Native Plant Community
- Scientific and Natural Area Boundaries
- Site of Biodiversity Significance**
- Outstanding Significance
- High Significance
- Moderate Significance



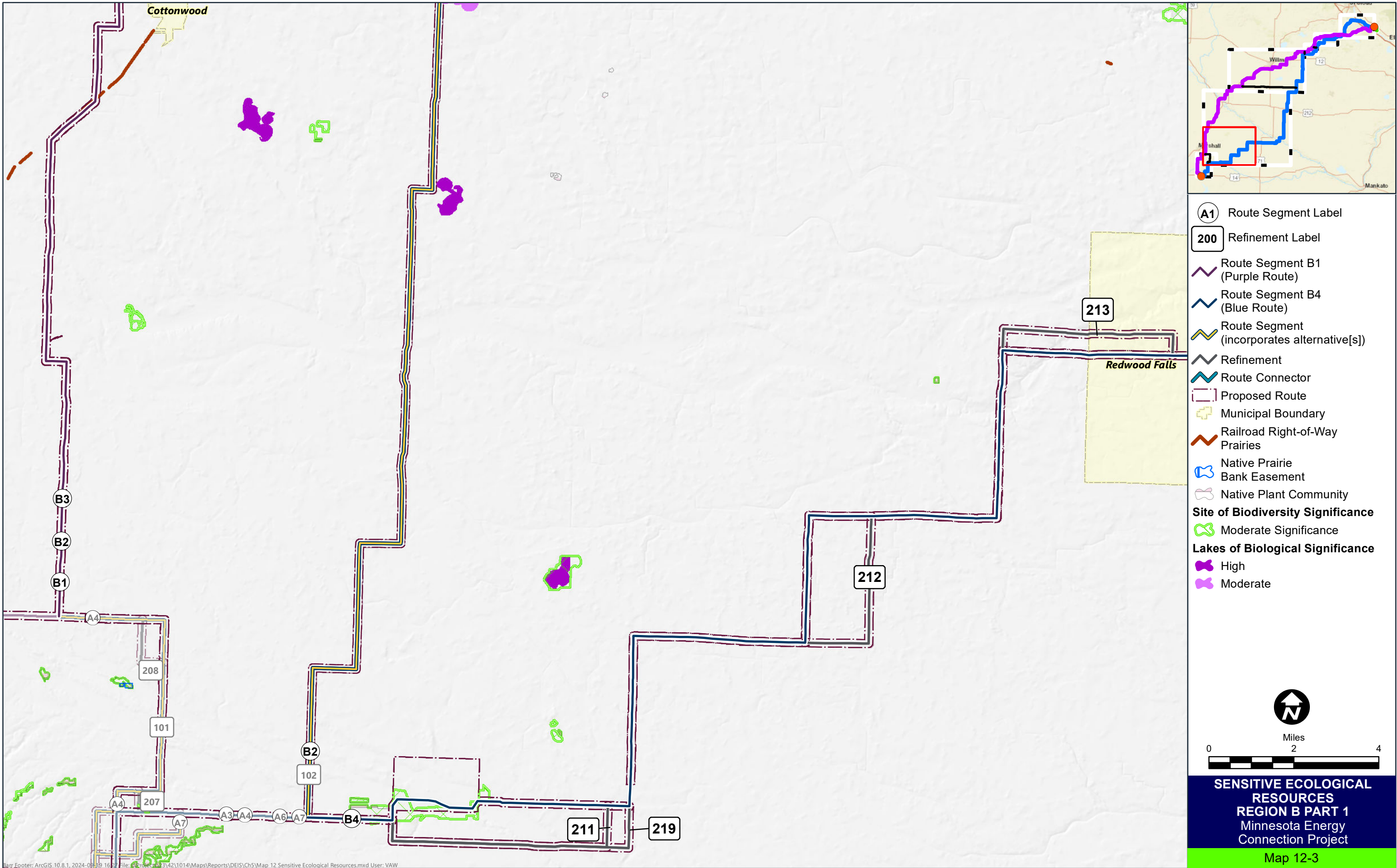
SENSITIVE ECOLOGICAL RESOURCES REGION A
Minnesota Energy Connection Project
Map 12-1



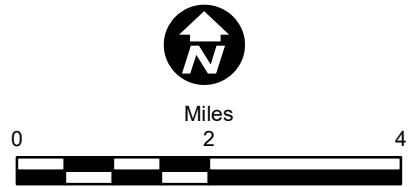
- A1 Route Segment Label
- 200 Refinement Label
- Route Segment B1 (Purple Route)
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Proposed Route
- Municipal Boundary
- Railroad Right-of-Way
- Prairies
- Native Prairie Bank Easement
- Native Plant Community
- Scientific and Natural Area Boundaries
- Site of Biodiversity Significance**
- Outstanding Significance
- High Significance
- Moderate Significance
- Lakes of Biological Significance**
- High
- Moderate



SENSITIVE ECOLOGICAL RESOURCES
REGION B OVERVIEW
 Minnesota Energy Connection Project
Map 12-2

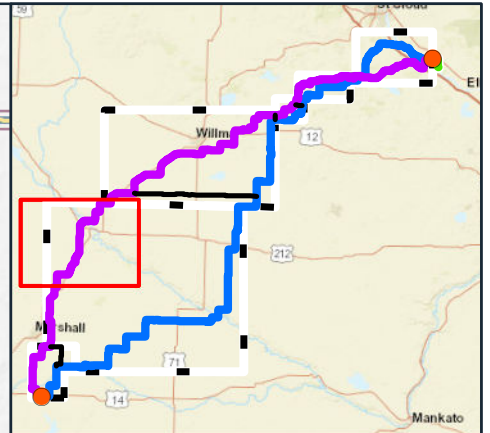
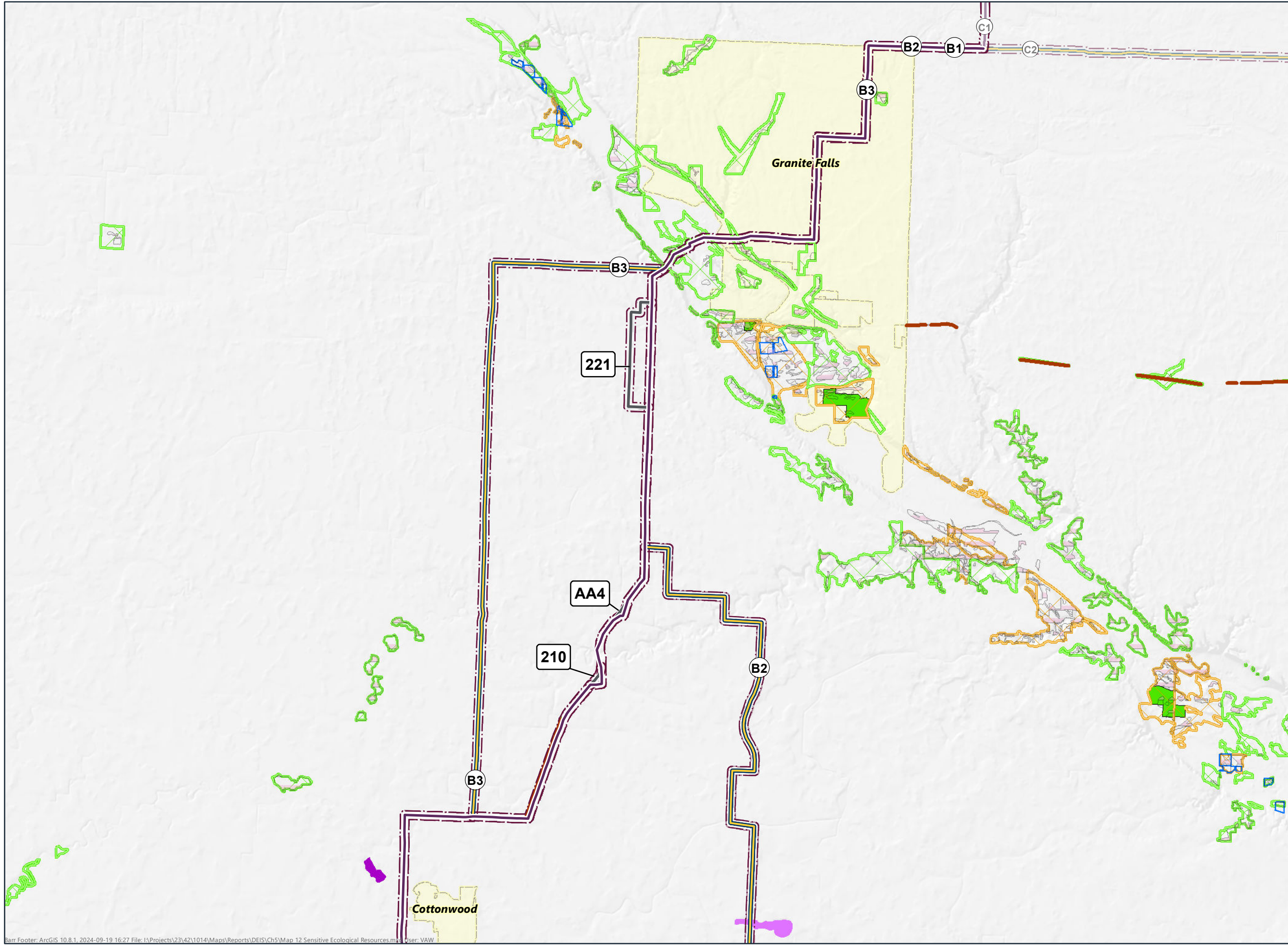


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment B1 (Purple Route)
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Proposed Route
- Municipal Boundary
- Railroad Right-of-Way
- Prairies
- Native Prairie Bank Easement
- Native Plant Community
- Site of Biodiversity Significance**
- Moderate Significance
- Lakes of Biological Significance**
- High
- Moderate

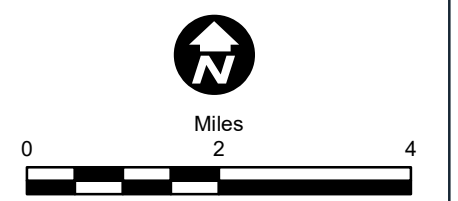


SENSITIVE ECOLOGICAL RESOURCES
REGION B PART 1
 Minnesota Energy Connection Project

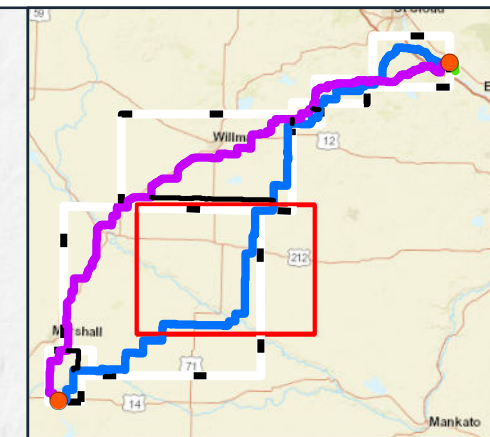
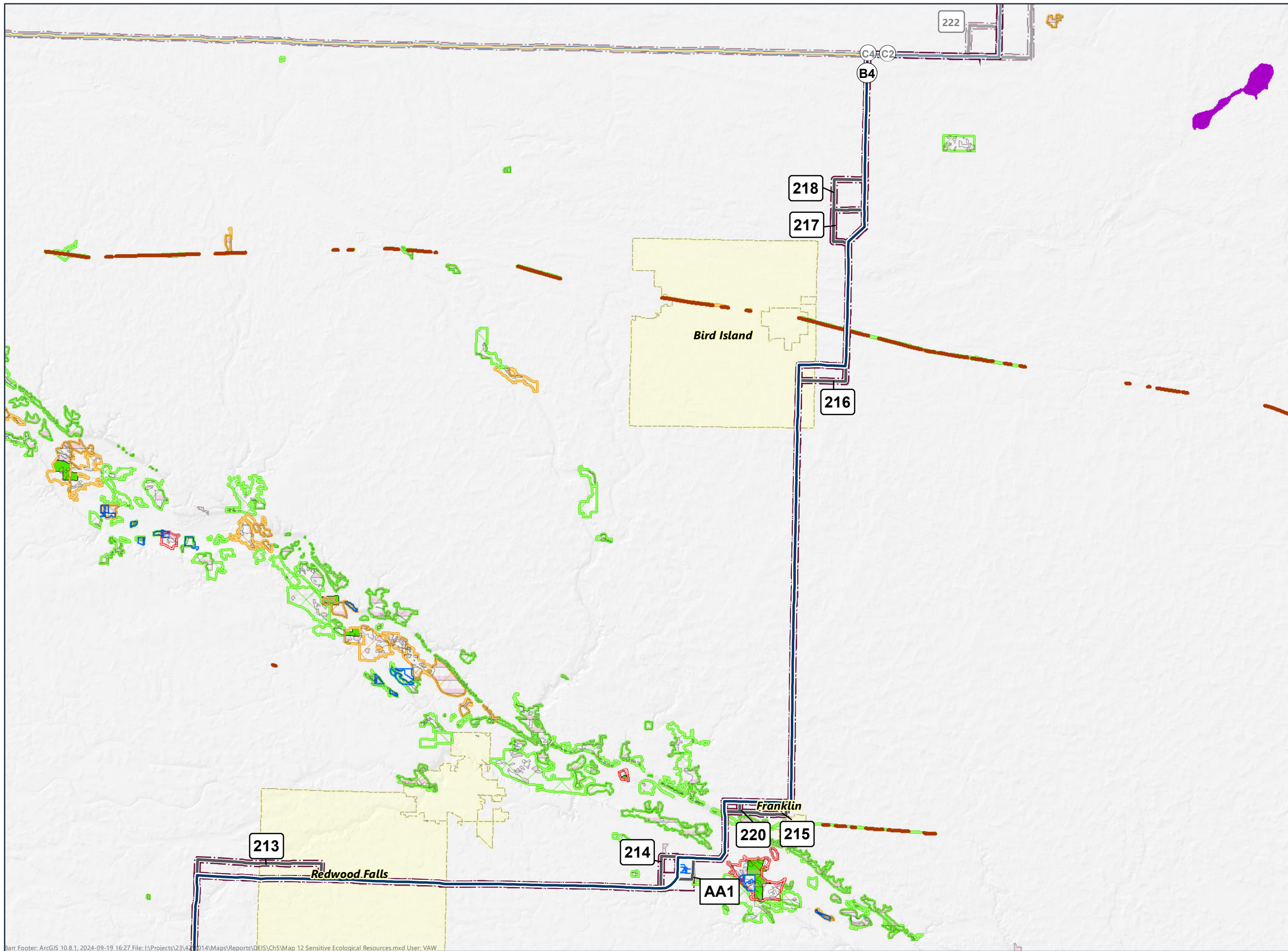
Barr Footer: ArcGIS 10.8.1, 2024-09-19 16:27 File: C:\Users\j142\1014\Maps\Reports\DEIS\Ch5\Map 12 Sensitive Ecological Resources.mxd User: VAW



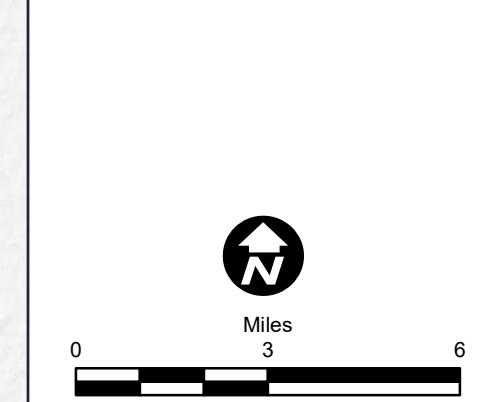
- A1 Route Segment Label
- 200 Refinement Label
- Route Segment B1 (Purple Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Proposed Route
- Municipal Boundary
- Railroad Right-of-Way
- Prairies
- Native Prairie Bank Easement
- Native Plant Community
- Scientific and Natural Area Boundaries
- Site of Biodiversity Significance**
- High Significance
- Moderate Significance
- Lakes of Biological Significance**
- High
- Moderate

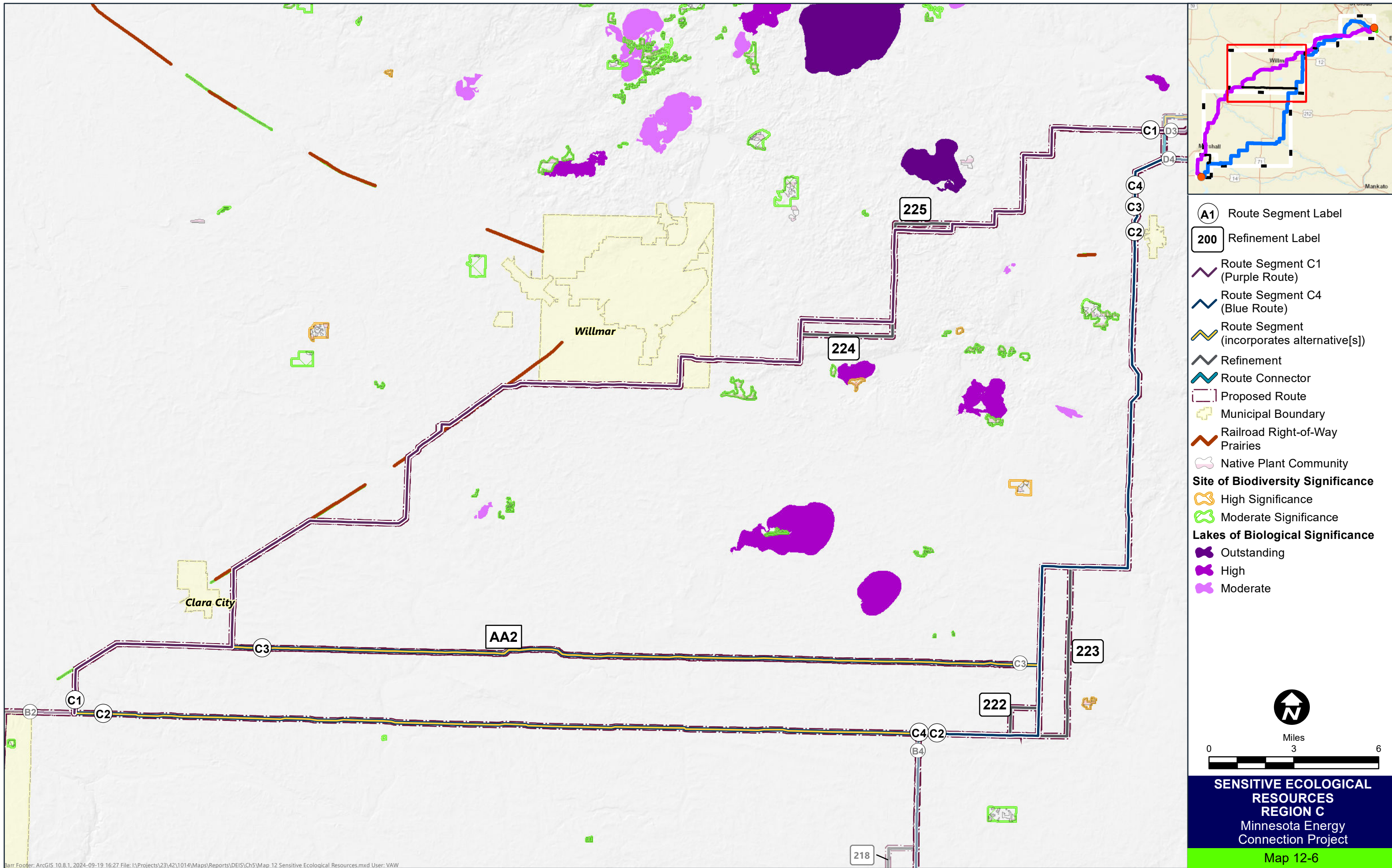


SENSITIVE ECOLOGICAL RESOURCES
REGION B PART 2
 Minnesota Energy Connection Project
Map 12-4

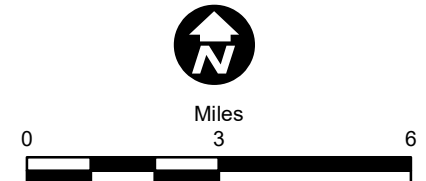


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Proposed Route
- Municipal Boundary
- Railroad Right-of-Way
- Prairies
- Native Prairie Bank Easement
- Native Plant Community
- Scientific and Natural Area Boundaries
- Site of Biodiversity Significance**
- Outstanding Significance
- High Significance
- Moderate Significance
- Lakes of Biological Significance**
- High

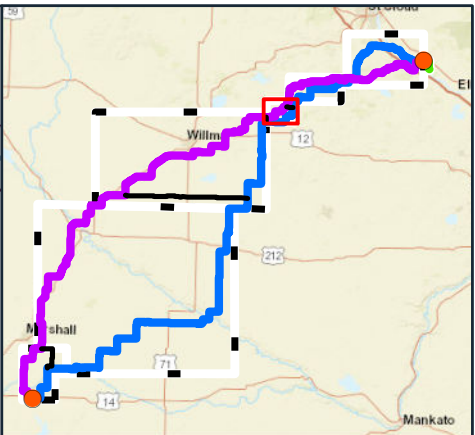
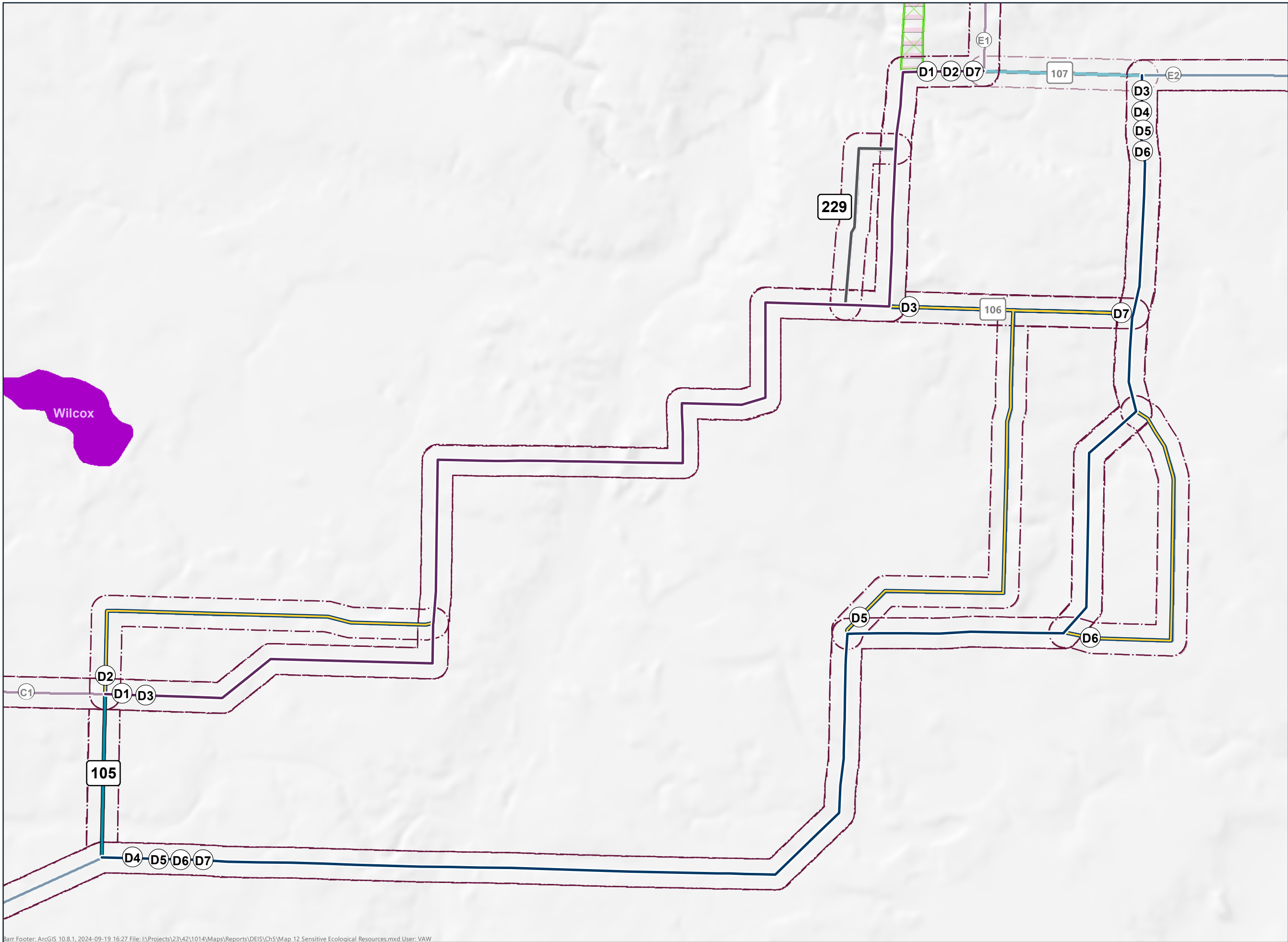




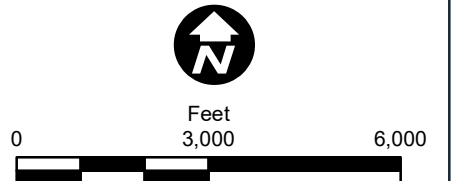
- A1 Route Segment Label
- 200 Refinement Label
- Route Segment C1 (Purple Route)
- Route Segment C4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Proposed Route
- Municipal Boundary
- Railroad Right-of-Way
- Prairies
- Native Plant Community
- Site of Biodiversity Significance**
- High Significance
- Moderate Significance
- Lakes of Biological Significance**
- Outstanding
- High
- Moderate



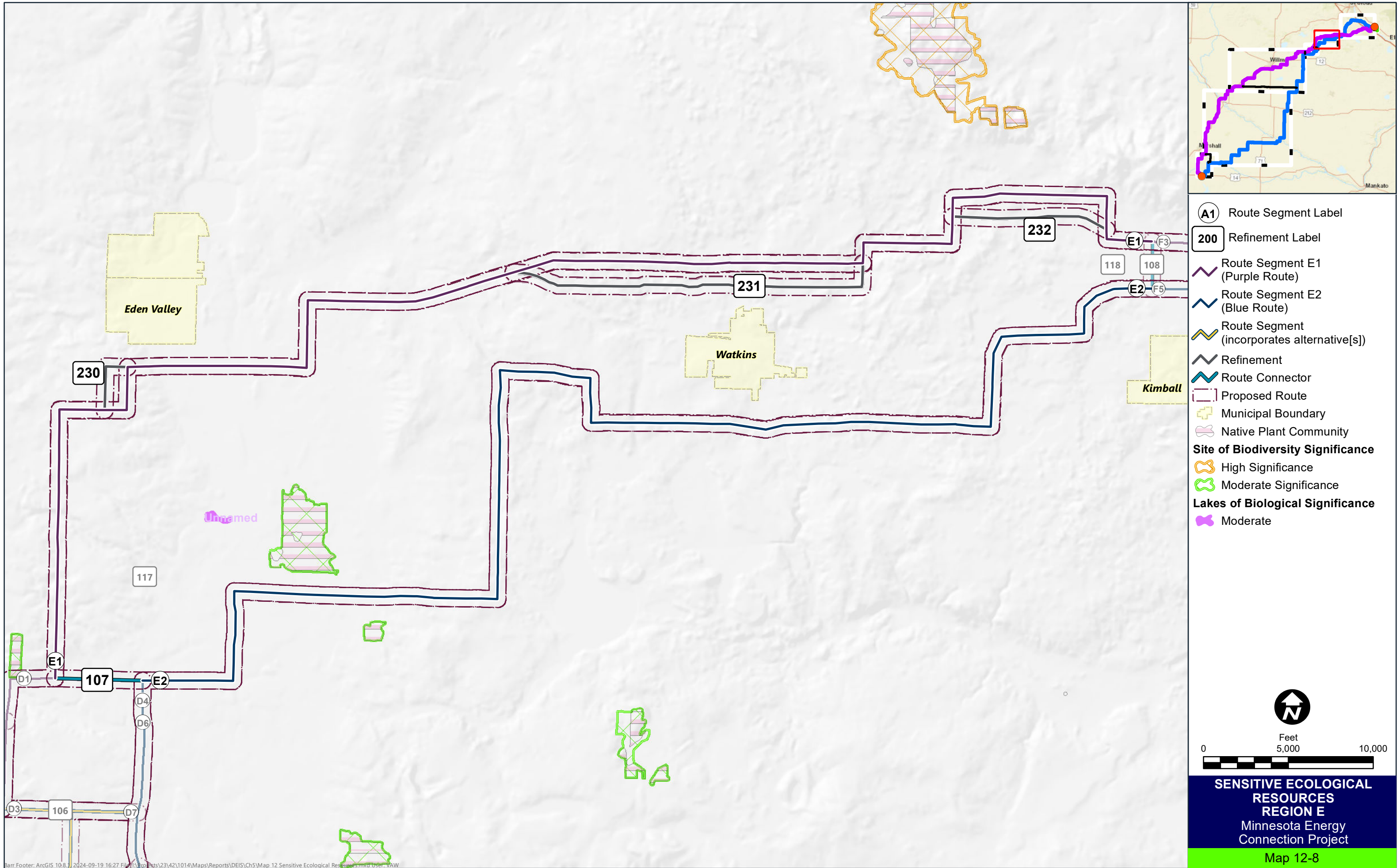
SENSITIVE ECOLOGICAL RESOURCES
REGION C
 Minnesota Energy Connection Project
Map 12-6



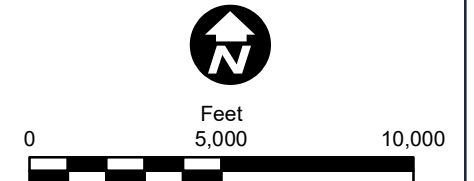
- A1 Route Segment Label
- 200 Refinement Label
- Route Segment D1 (Purple Route)
- Route Segment D4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Proposed Route
- C1 Native Plant Community
- Site of Biodiversity Significance**
- Moderate Significance
- Lakes of Biological Significance**
- High



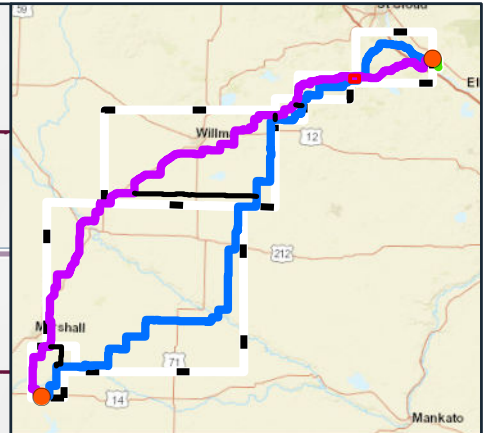
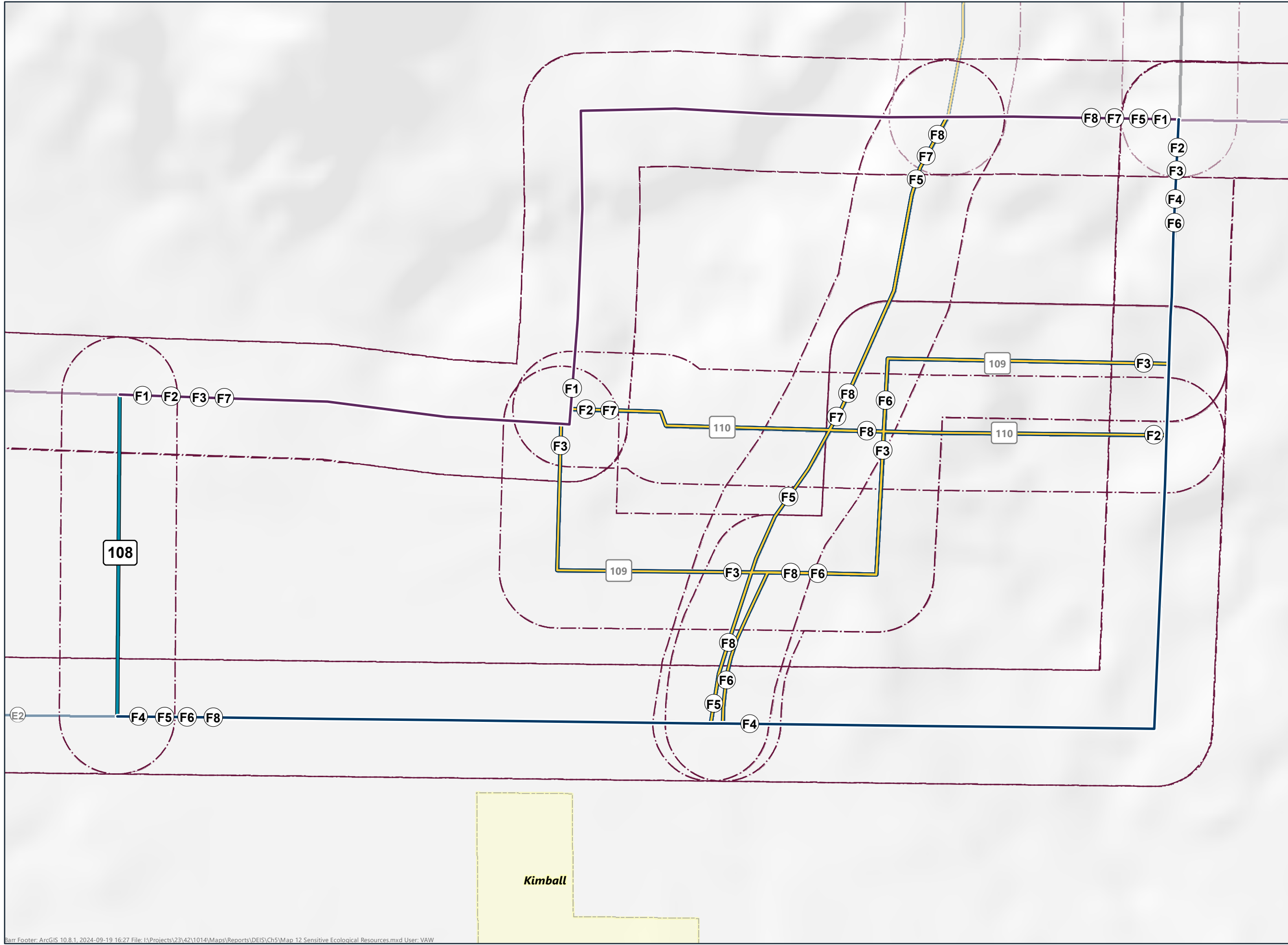
SENSITIVE ECOLOGICAL RESOURCES REGION D
 Minnesota Energy Connection Project
Map 12-7



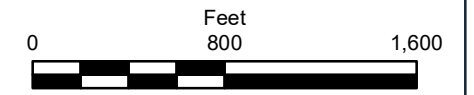
- A1 Route Segment Label
- 200 Refinement Label
- Route Segment E1 (Purple Route)
- Route Segment E2 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Proposed Route
- Municipal Boundary
- Native Plant Community
- Site of Biodiversity Significance**
- High Significance
- Moderate Significance
- Lakes of Biological Significance**
- Moderate



SENSITIVE ECOLOGICAL RESOURCES REGION E
 Minnesota Energy Connection Project
Map 12-8

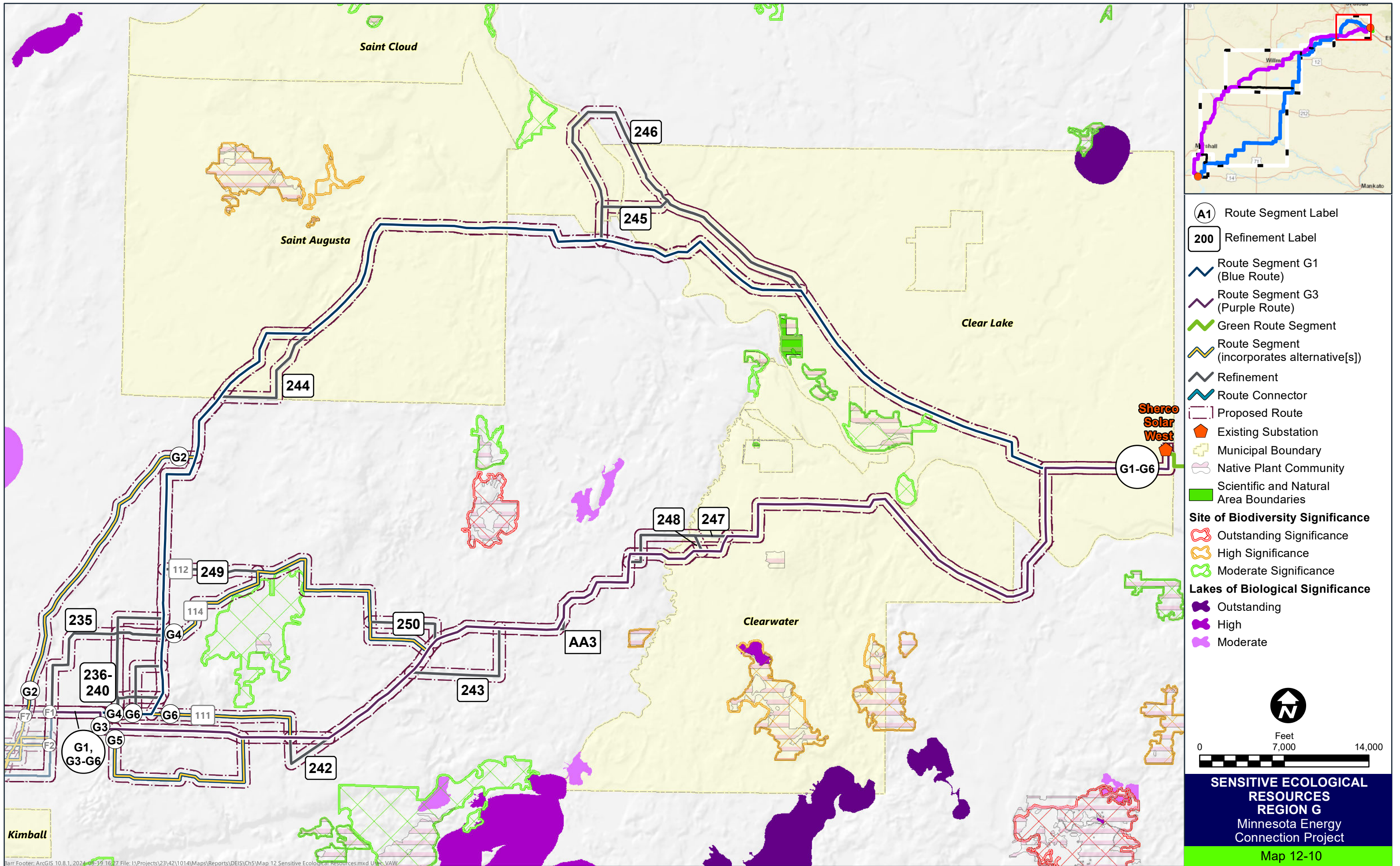


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment F1 (Purple Route)
- Route Segment F4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Route Connector
- Proposed Route
- Municipal Boundary

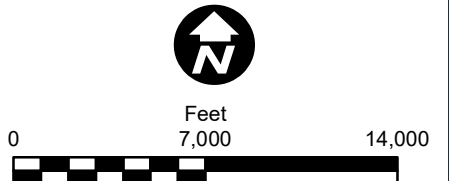


**SENSITIVE ECOLOGICAL
RESOURCES
REGION F**
Minnesota Energy
Connection Project

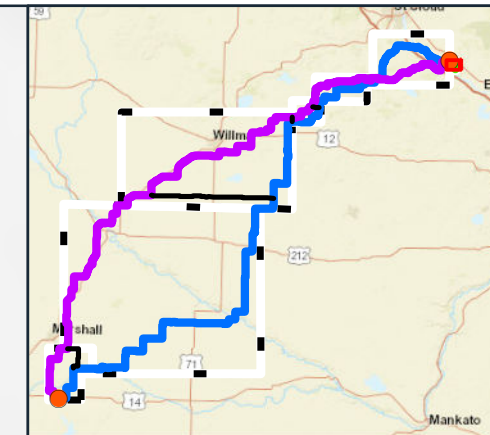
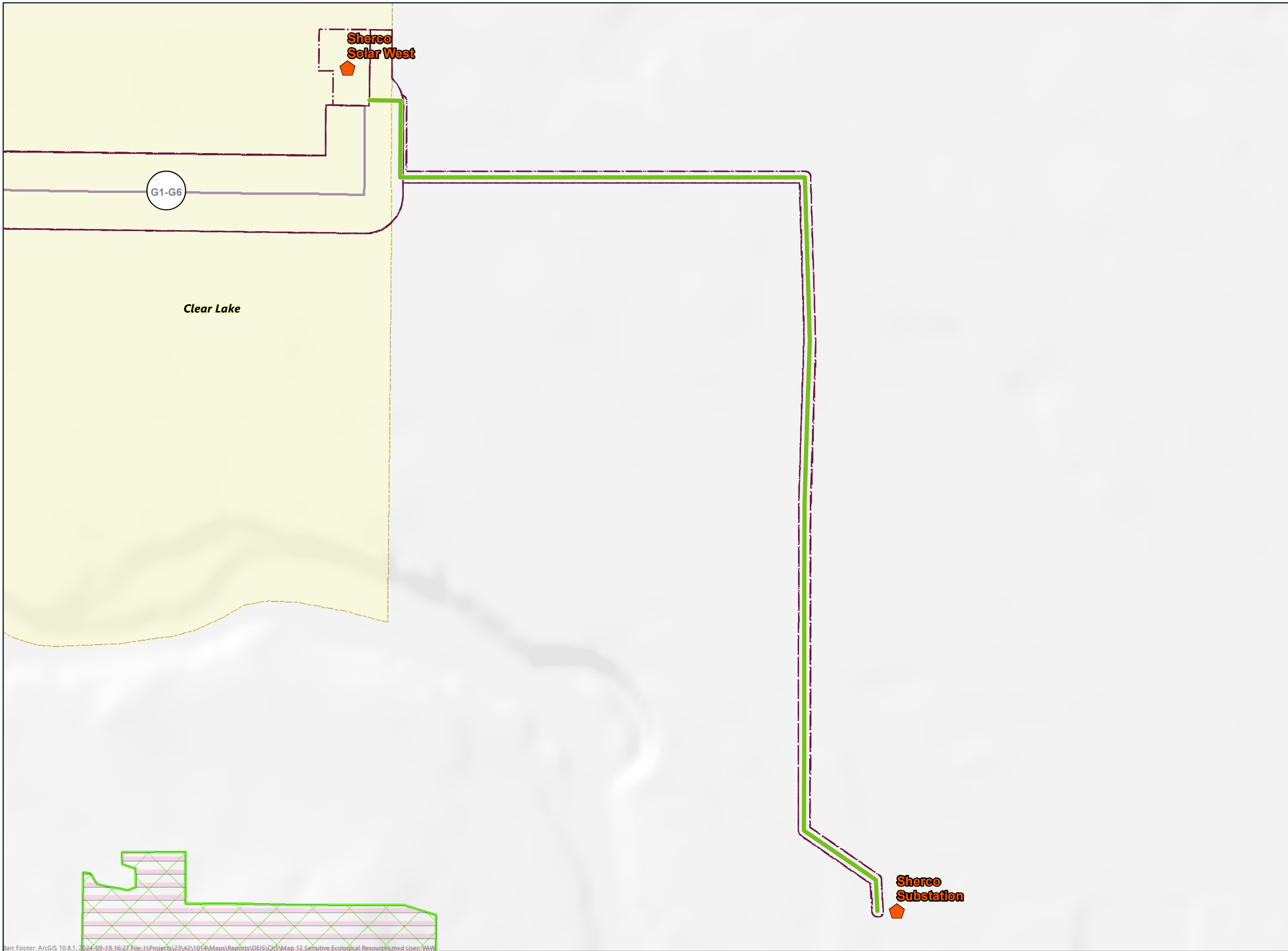
Map 12-9



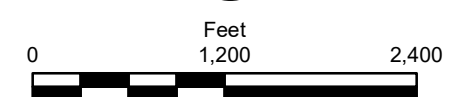
- A1 Route Segment Label
- 200 Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment G3 (Purple Route)
- Green Route Segment
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Proposed Route
- Existing Substation
- Municipal Boundary
- Native Plant Community
- Scientific and Natural Area Boundaries
- Site of Biodiversity Significance**
- Outstanding Significance
- High Significance
- Moderate Significance
- Lakes of Biological Significance**
- Outstanding
- High
- Moderate



SENSITIVE ECOLOGICAL RESOURCES REGION G
Minnesota Energy Connection Project
Map 12-10

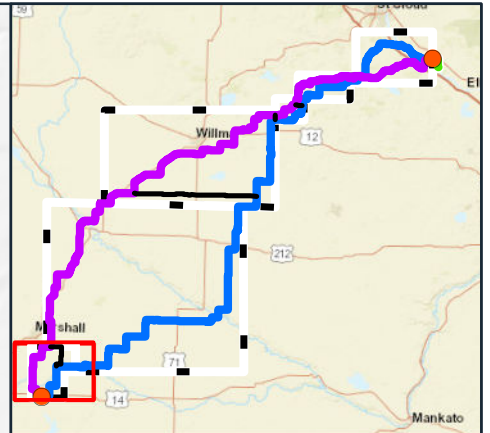


- A1 Route Segment Label
- 200 Refinement Label
- Green Route Segment
- Proposed Route
- ▮ Existing Substation
- Municipal Boundary
- Native Plant Community
- Site of Biodiversity Significance**
- Moderate Significance

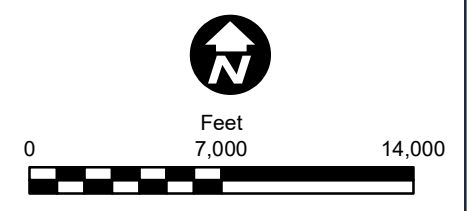


**SENSITIVE ECOLOGICAL
RESOURCES
GREEN ROUTE SEGMENT**
Minnesota Energy
Connection Project

Barr Footer: ArcGIS 10.8.1, 2024-09-19 16:27 File: I:\Projects\23\42\1014\Maps\Reports\DEIS\GIS\Map 12 Sensitive Ecological Resources.mxd User: VAW

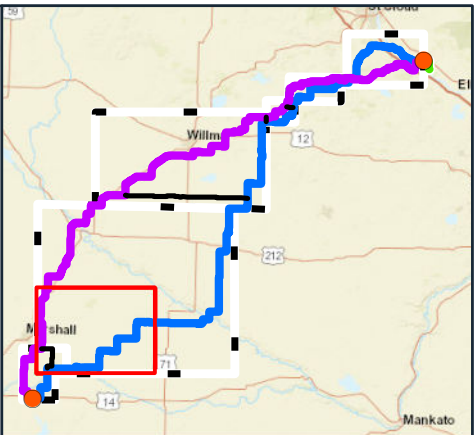
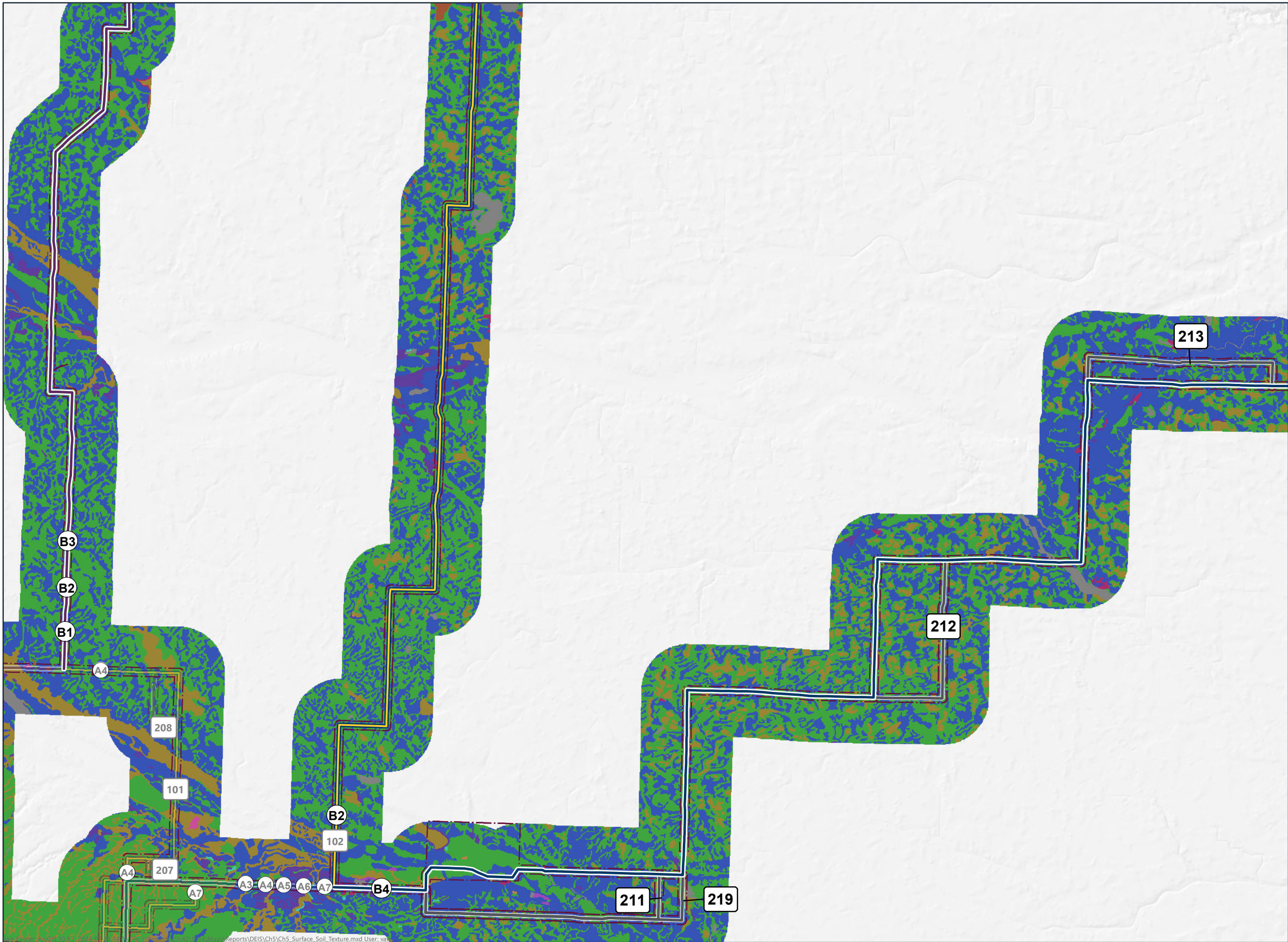


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment A1 (Purple Route)
- Route Segment A3 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- Soil Surface Texture**
- Clay loam
- Fine sandy loam
- Gravelly sandy loam
- Loam
- Loamy sand
- Sandy clay loam
- Sandy loam
- Silt loam
- Silty clay
- Silty clay loam
- No Data

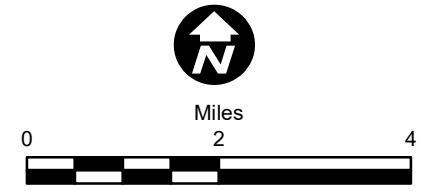


Barr Footer: ArcGIS 10.8.1, 2024-07-25 14:01 File: I:\Projects\23\42\1014\Maps\Reports\DEIS\Ch5\Ch5_Surface_Soil_Texture.mxd User: [unreadable]

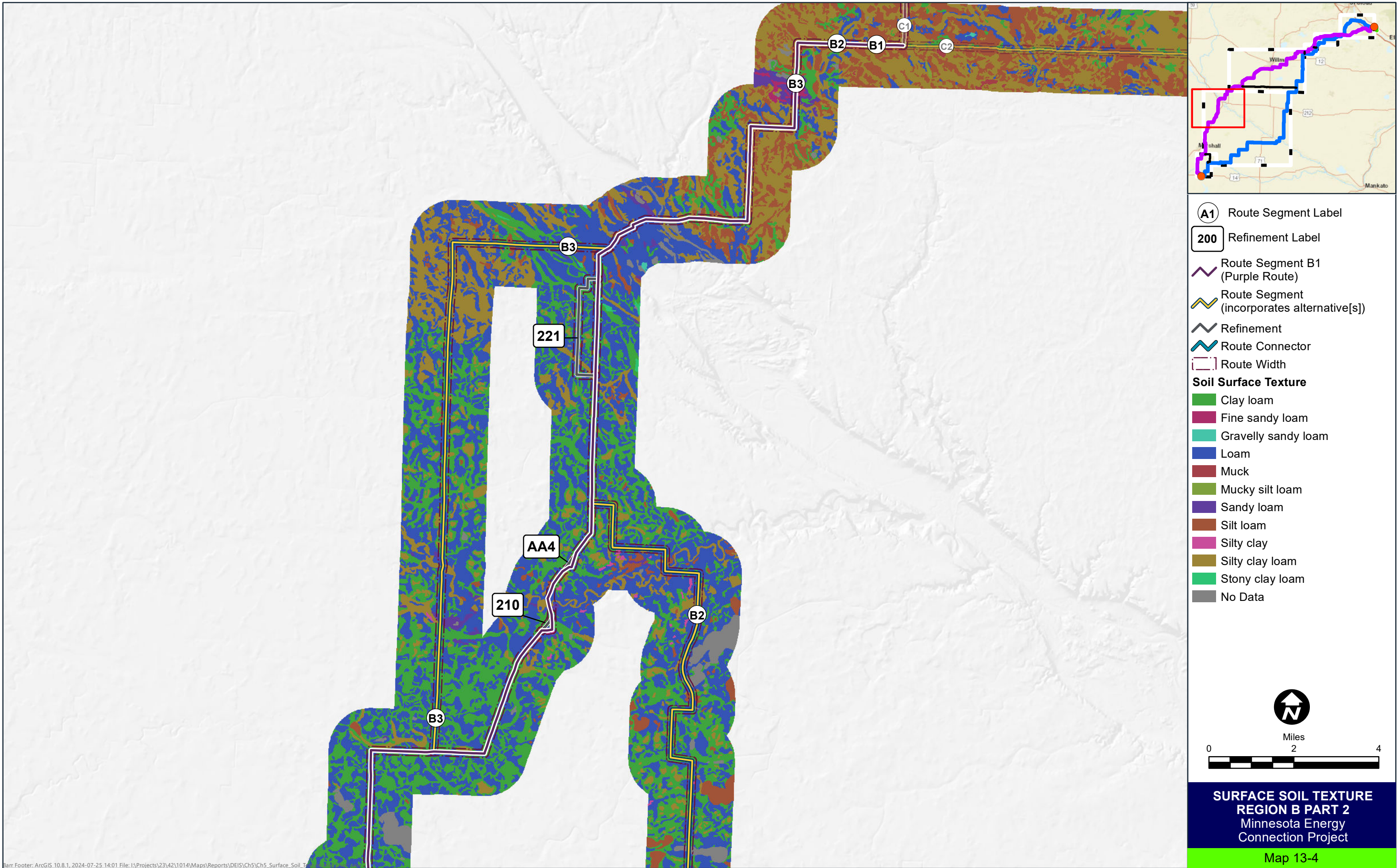


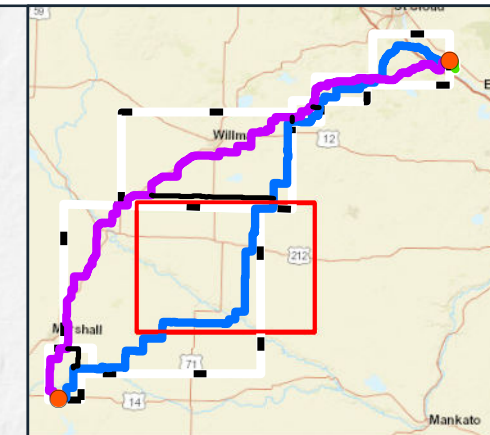
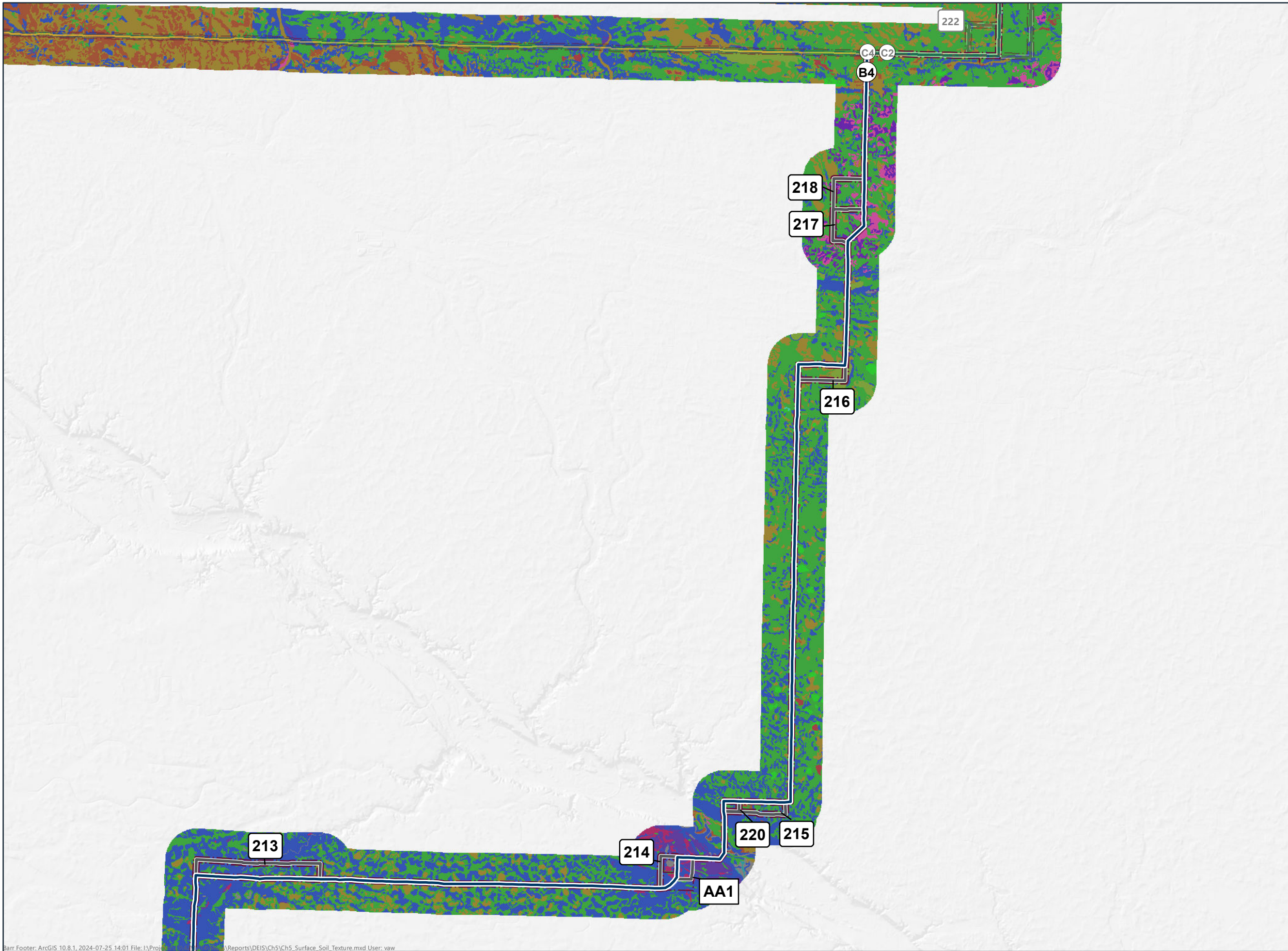


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment B1 (Purple Route)
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- Soil Surface Texture**
- Clay loam
- Fine sandy loam
- Gravelly sandy loam
- Loam
- Loamy sand
- Mucky clay loam
- Sandy clay loam
- Sandy loam
- Silt loam
- Silty clay
- Silty clay loam
- No Data

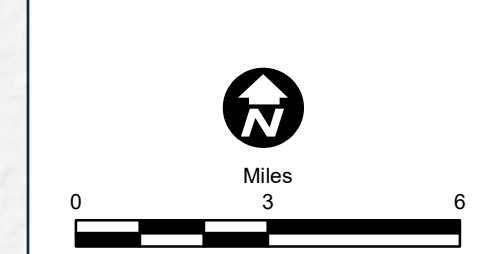


reports\DEIS\Ch5\Ch5_Surface_Soil_Texture.mxd User: va



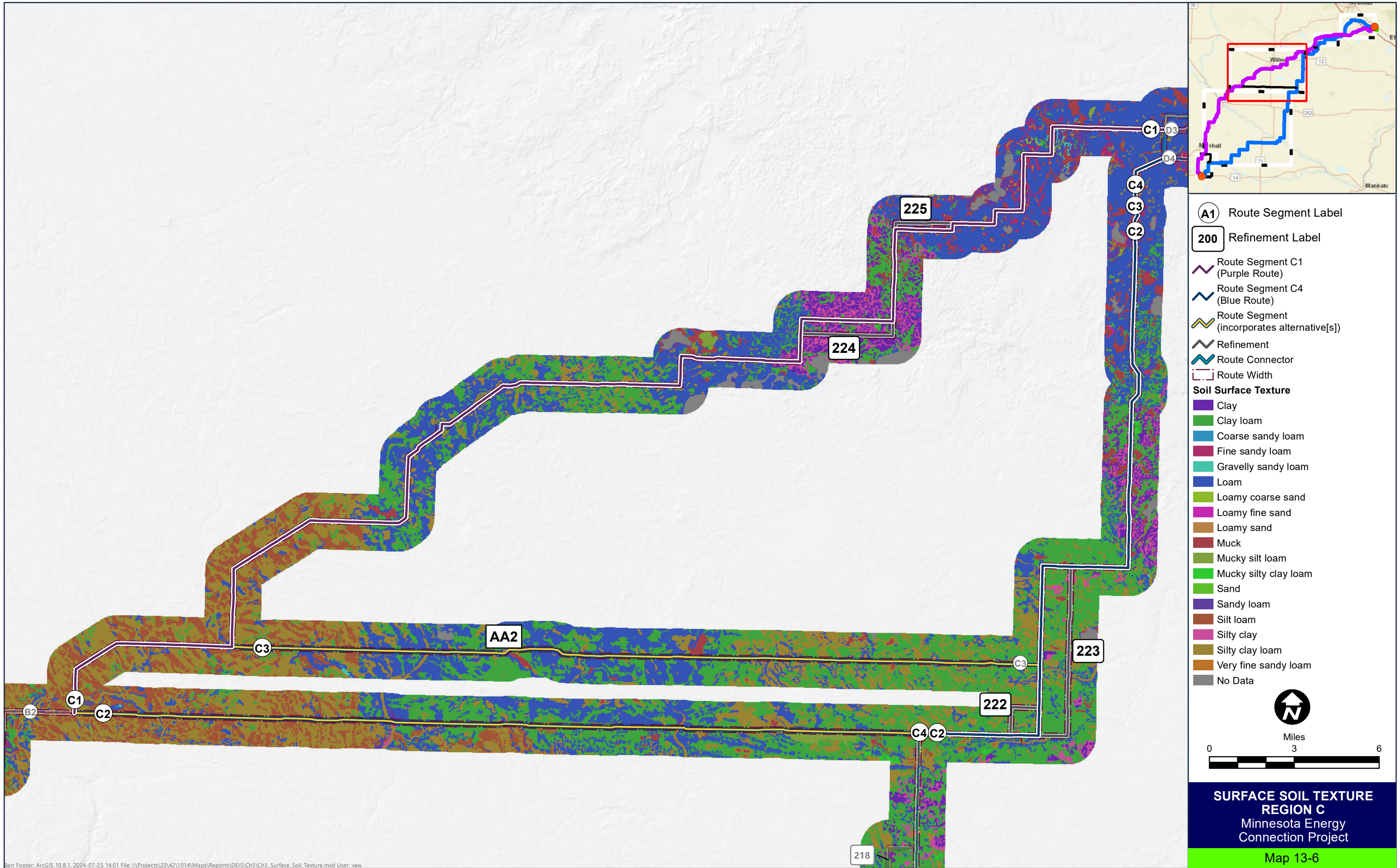


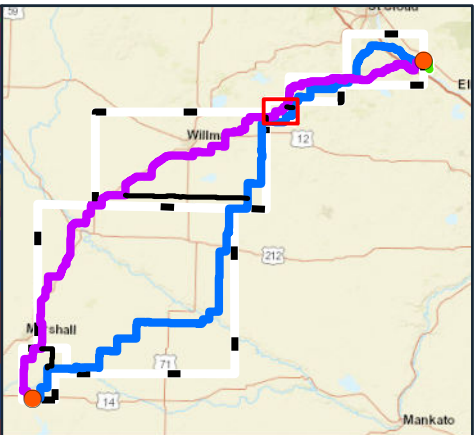
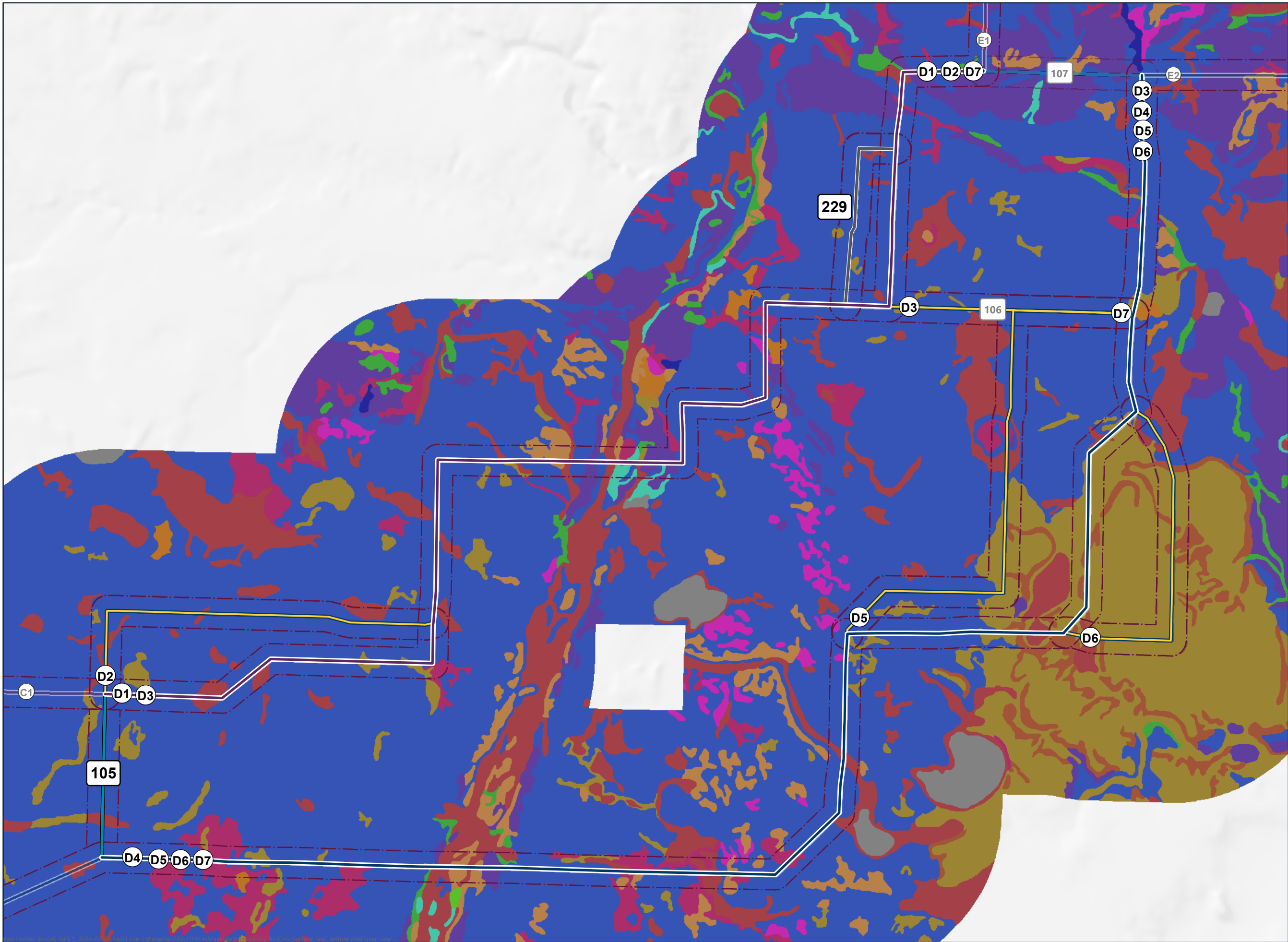
- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Soil Surface Texture**
- Clay
- Clay loam
- Fine sandy loam
- Gravelly sandy loam
- Loam
- Loamy sand
- Muck
- Mucky clay loam
- Mucky silt loam
- Mucky silty clay loam
- Sandy loam
- Silt loam
- Silty clay
- Silty clay loam
- Stony clay loam
- No Data



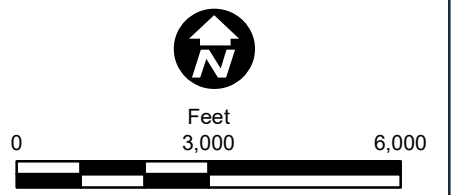
SURFACE SOIL TEXTURE
REGION B PART 3
 Minnesota Energy
 Connection Project

Map 13-5

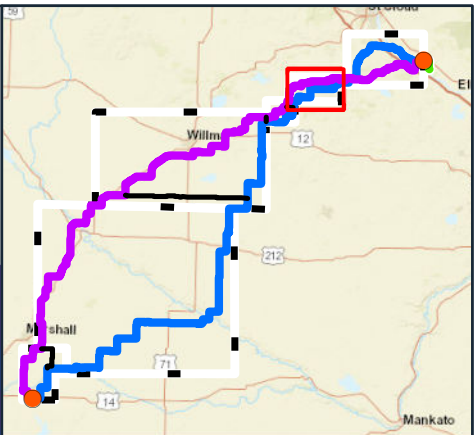
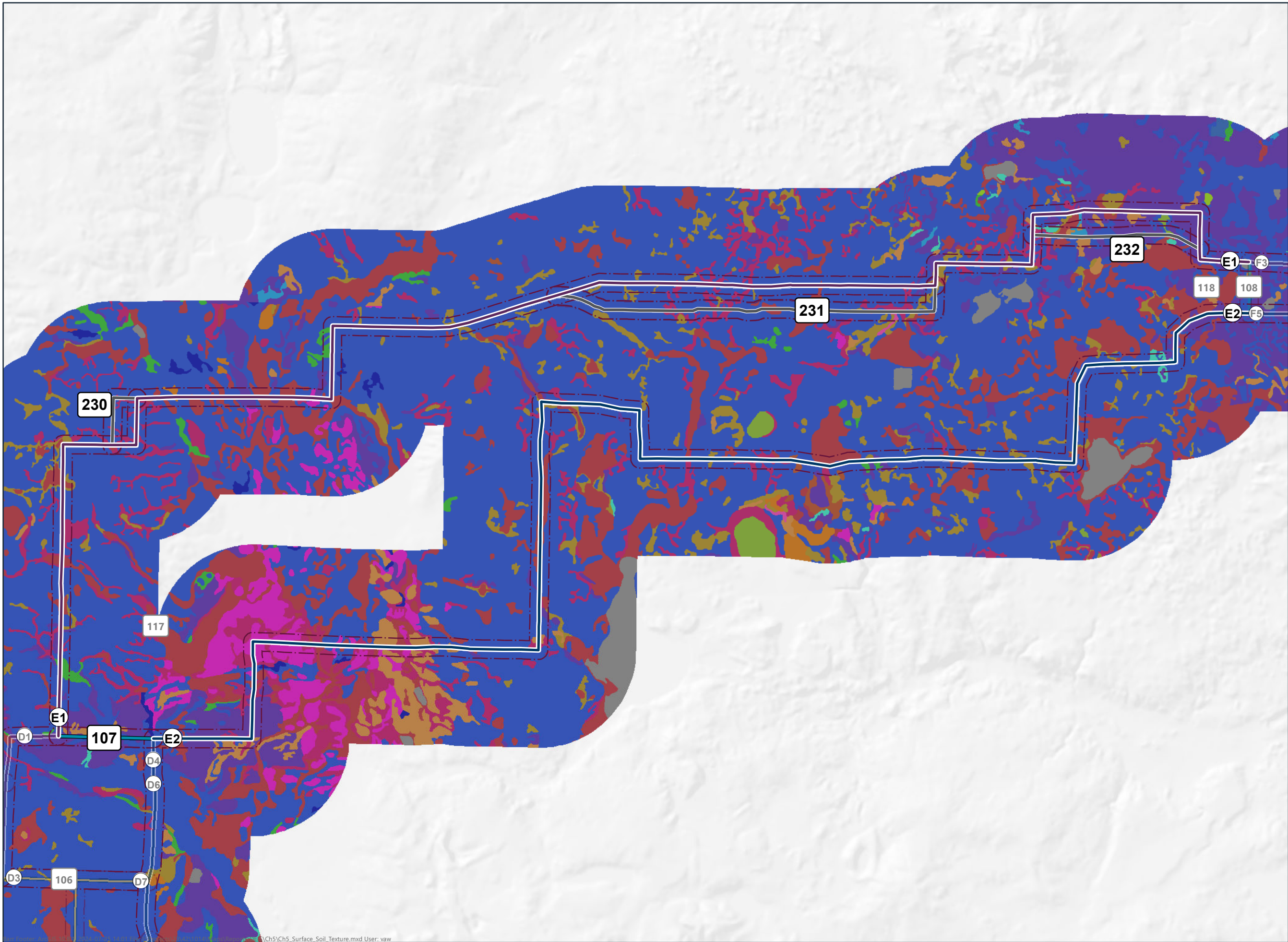




- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment D1 (Purple Route)
- Route Segment D4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- Soil Surface Texture**
- Clay loam
- Fine sandy loam
- Gravelly sandy loam
- Loam
- Loamy fine sand
- Loamy sand
- Muck
- Mucky fine sandy loam
- Sand
- Sandy loam
- Silt loam
- Silty clay loam
- Very fine sandy loam
- No Data

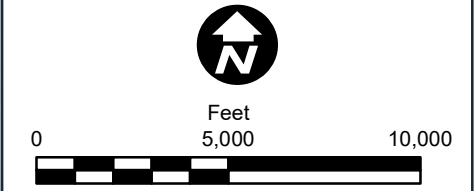


SURFACE SOIL TEXTURE
REGION D
 Minnesota Energy
 Connection Project

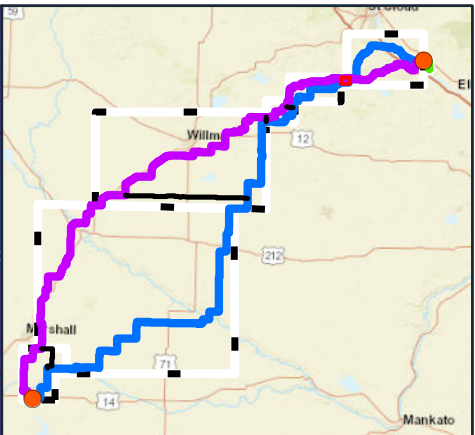
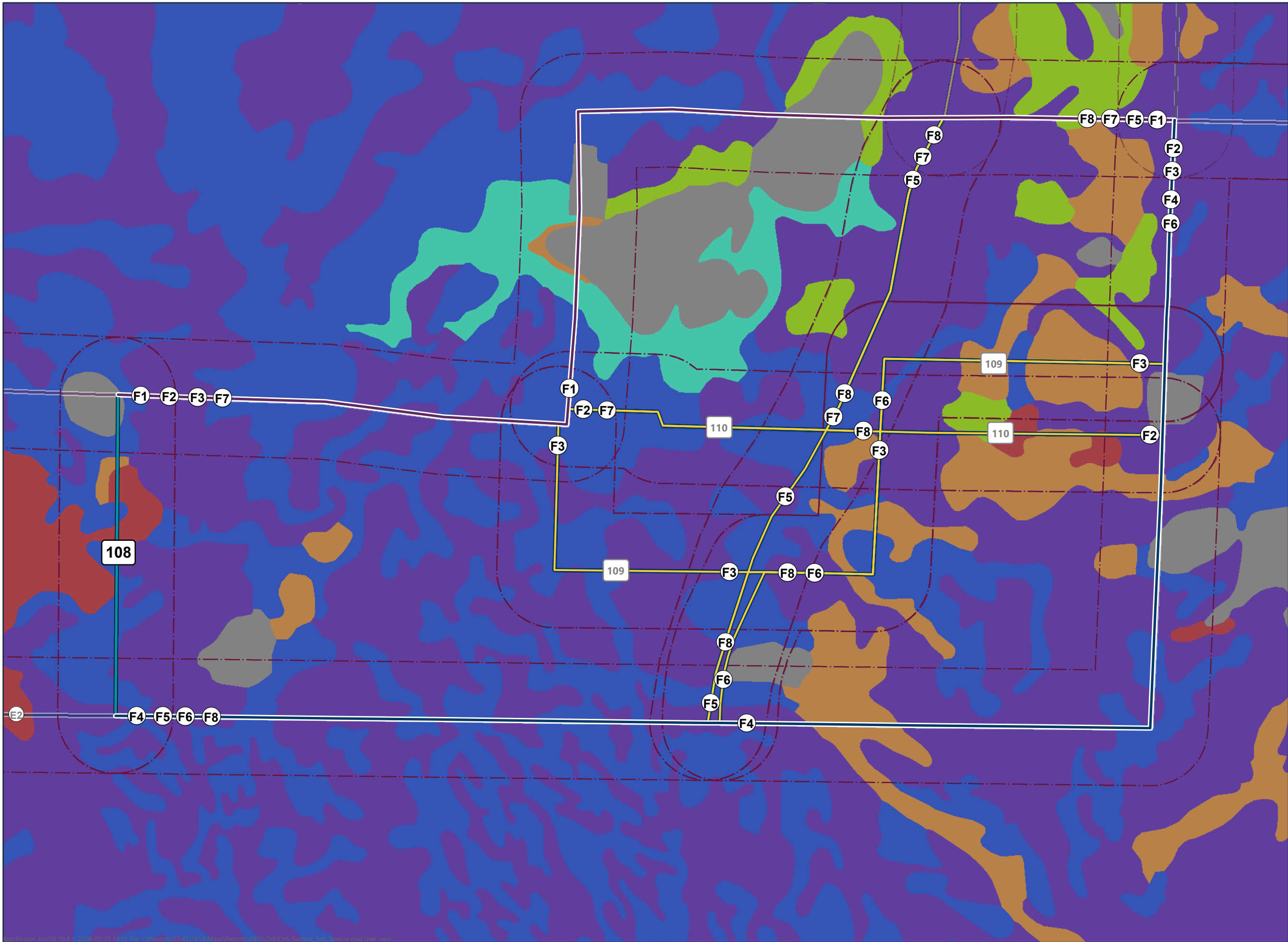


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment E1 (Purple Route)
- Route Segment E2 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width

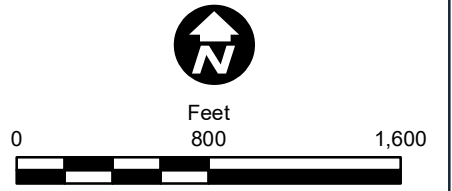
- Soil Surface Texture**
- Clay loam
 - Coarse sandy loam
 - Fine sandy loam
 - Gravelly sandy loam
 - Loam
 - Loamy coarse sand
 - Loamy fine sand
 - Loamy sand
 - Muck
 - Mucky fine sandy loam
 - Mucky peat
 - Mucky silt loam
 - Sandy loam
 - Silt loam
 - Silty clay
 - Silty clay loam
 - Very fine sandy loam
 - No Data

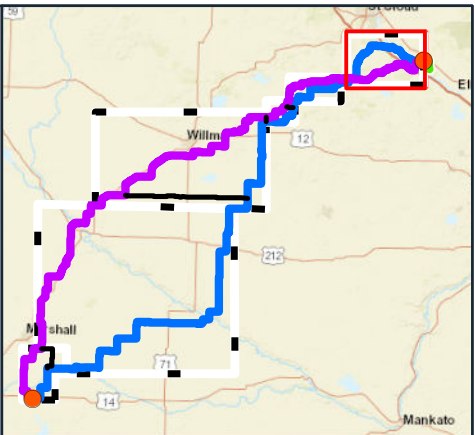
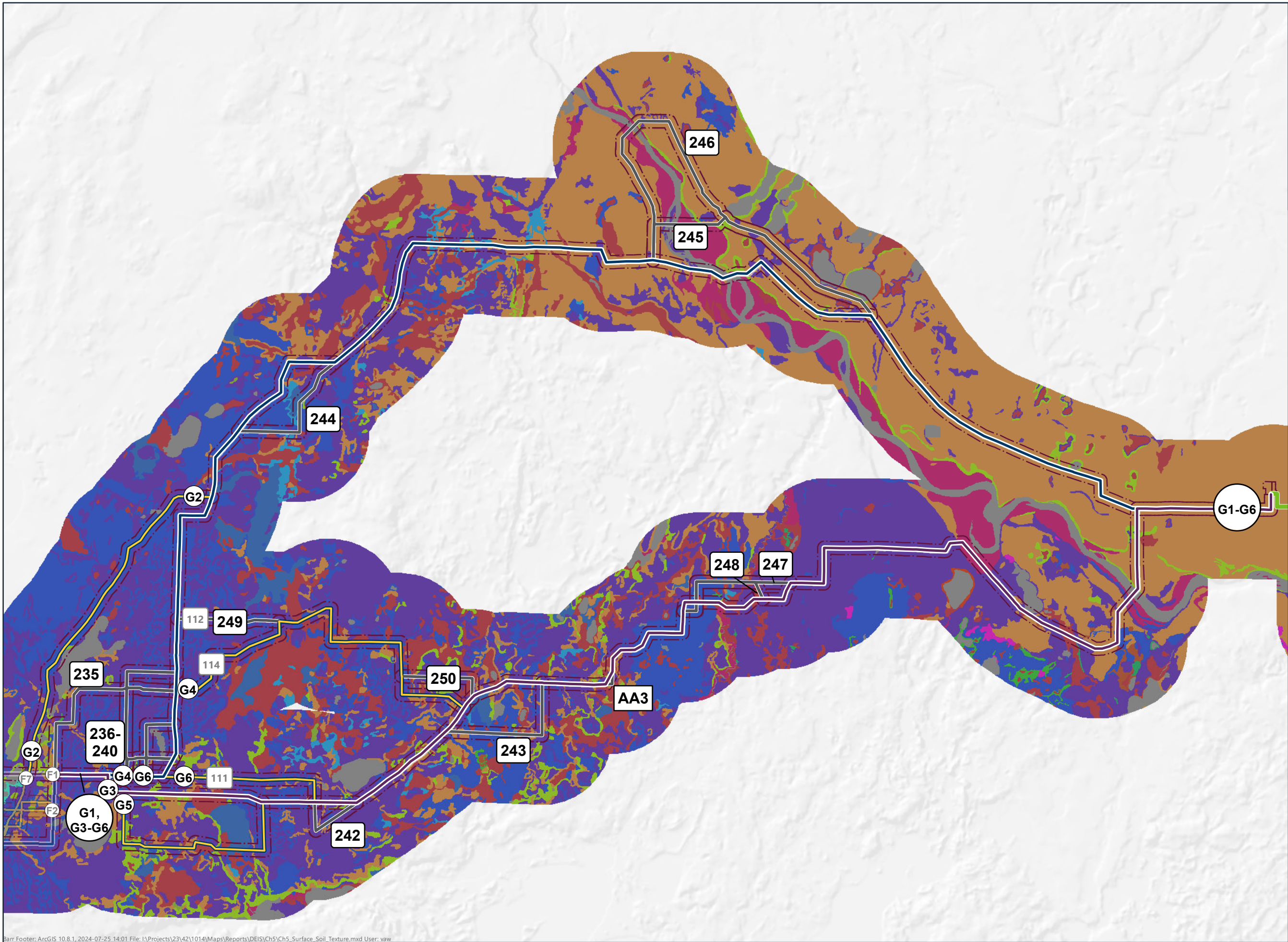


C:\Ch5\Ch5_Surface_Soil_Texture.mxd User: vaw



- A1 Route Segment Label
- 200 Refinement Label
- Route Segment F1 (Purple Route)
- Route Segment F4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Route Connector
- Route Width
- Soil Surface Texture**
- Gravelly sandy loam
- Loam
- Loamy coarse sand
- Loamy sand
- Muck
- Sandy loam
- No Data





(A1) Route Segment Label

200 Refinement Label

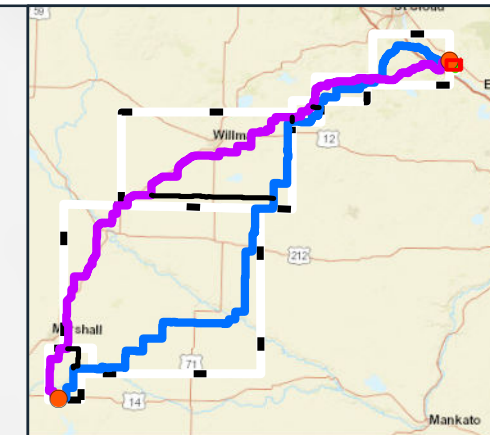
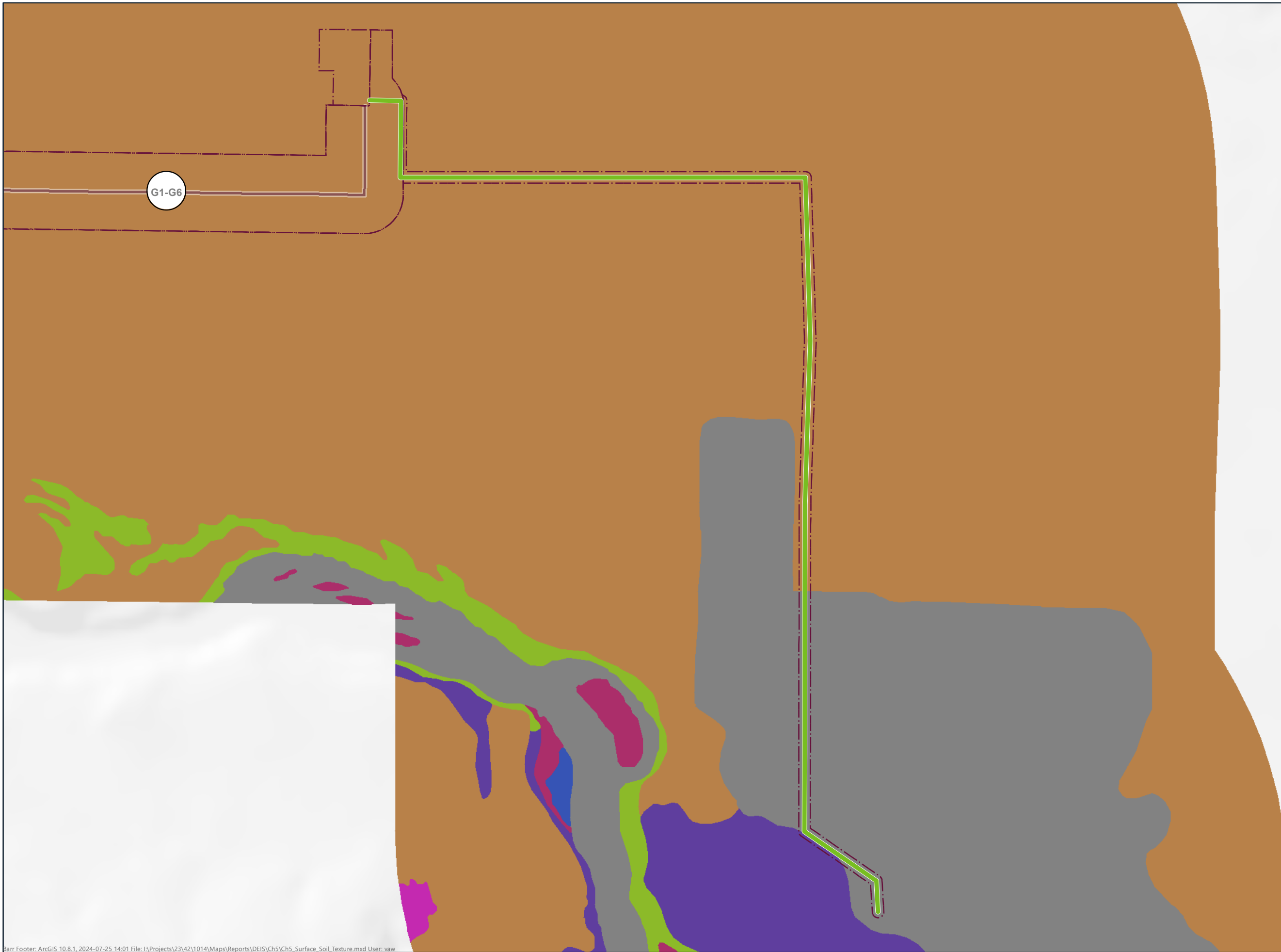
- Route Segment G1 (Blue Route)
- Route Segment G3 (Purple Route)
- Green Route Segment
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width

Soil Surface Texture

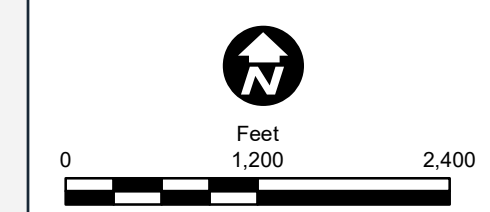
- Clay loam
- Coarse sand
- Coarse sandy loam
- Fine sandy loam
- Gravelly sandy loam
- Loam
- Loamy coarse sand
- Loamy fine sand
- Loamy sand
- Muck
- Mucky loam
- Mucky peat
- Mucky silt loam
- Sandy loam
- Silt loam
- No Data

0 Feet 7,000 14,000

Barr Footer: ArcGIS 10.8.1, 2024-07-25 14:01 File: I:\Projects\23\42\1014\Maps\Reports\DEIS\Ch5\Ch5_Surface_Soil_Texture.mxd User: vaw

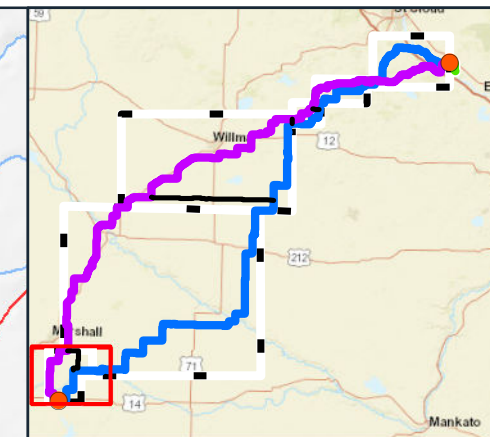
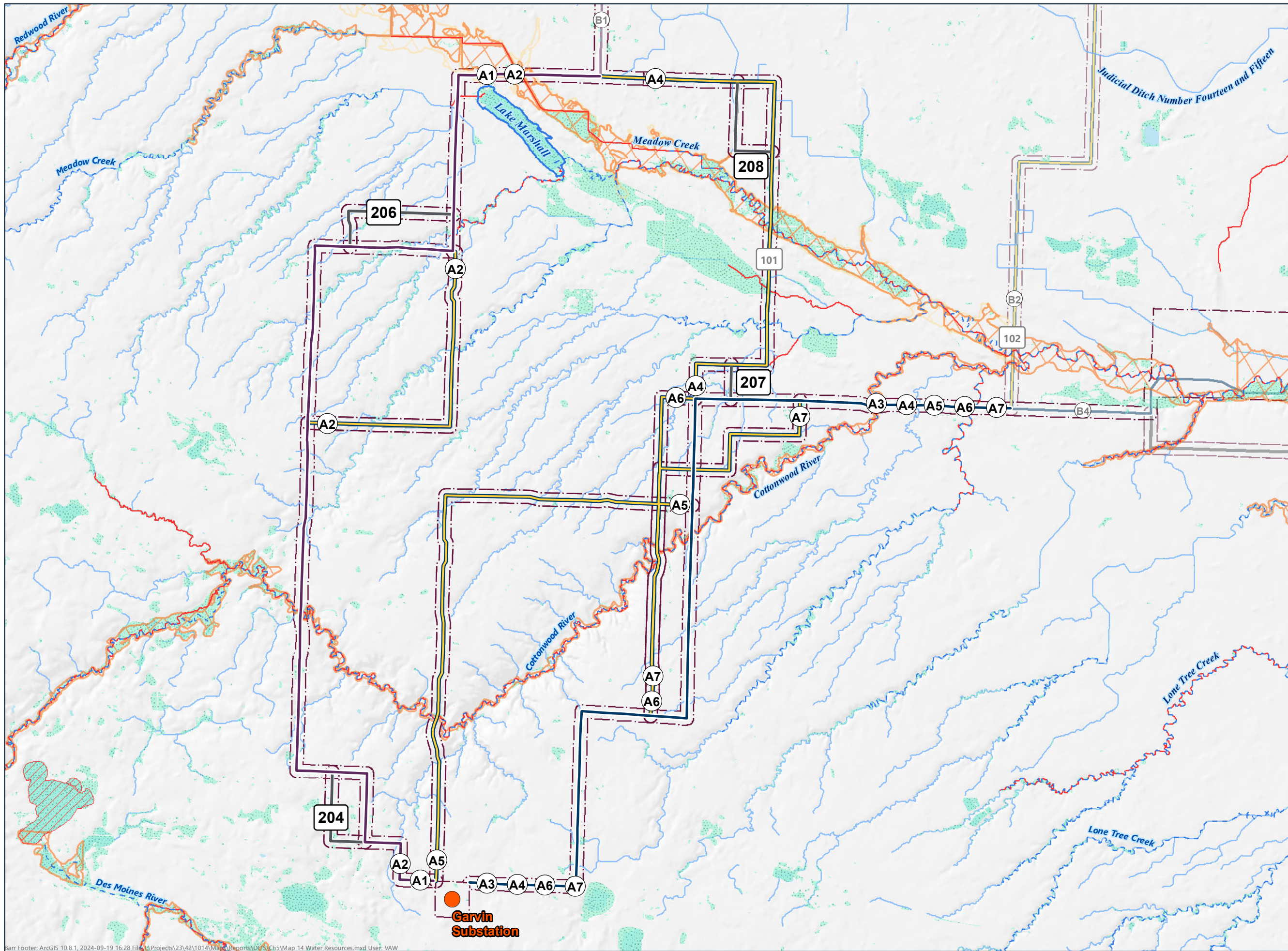


- A1 Route Segment Label
- 200 Refinement Label
- Green Route Segment
- Route Width
- Soil Surface Texture**
- Fine sandy loam
- Loam
- Loamy coarse sand
- Loamy fine sand
- Loamy sand
- Sandy loam
- No Data

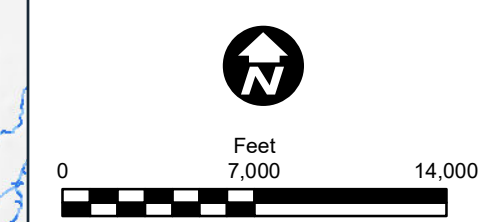


**SURFACE SOIL TEXTURE
GREEN ROUTE SEGMENT**
Minnesota Energy
Connection Project

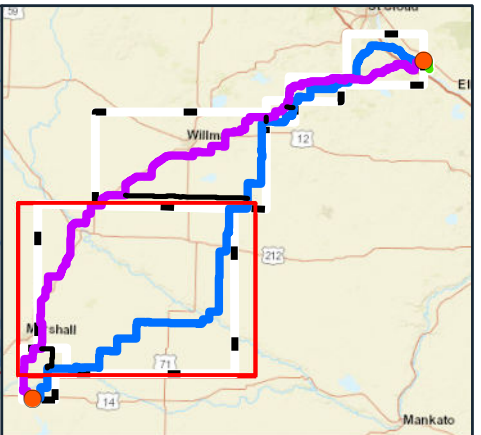
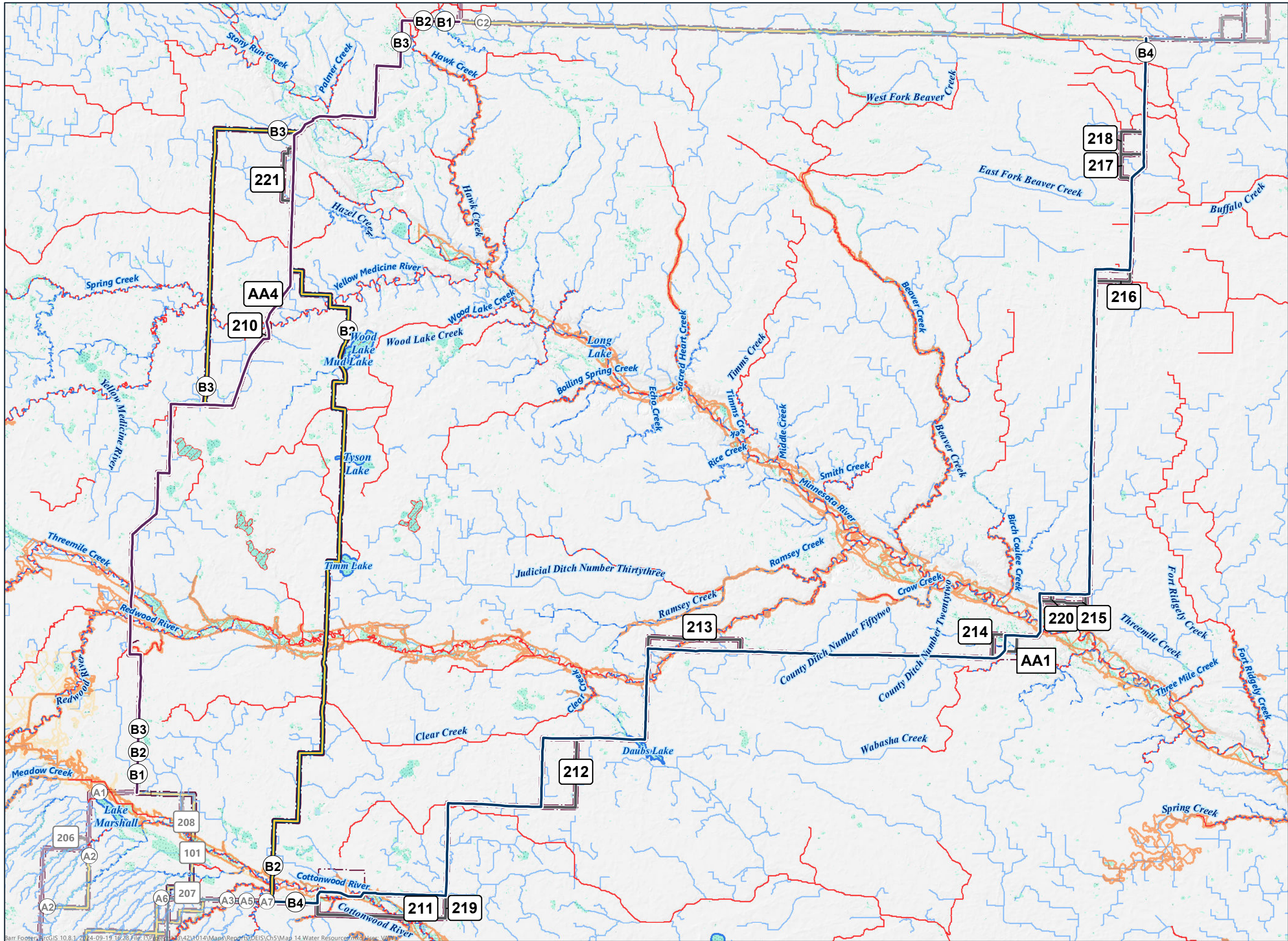
Map 13-11



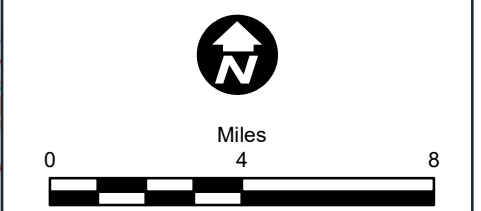
- A1 Route Segment Label
- 200 Refinement Label
- Route Segment A1 (Purple Route)
- Route Segment A3 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- Proposed Substation
- NHD Watercourse
- PWI Watercourse
- MPCA Impaired Stream
- NHD Waterbody
- MPCA Impaired Waterbody
- Wetlands**
- Non-Forested Wetland
- Floodplains**
- 100-Year Floodplain
- 500-Year Floodplain



Barr Footer: ArcGIS 10.8.1, 2024-09-19 16:28 File: \\Projects\23\42\1014\Map\Reports\DRS\Ch5\Map 14 Water Resources.mxd User: VAW

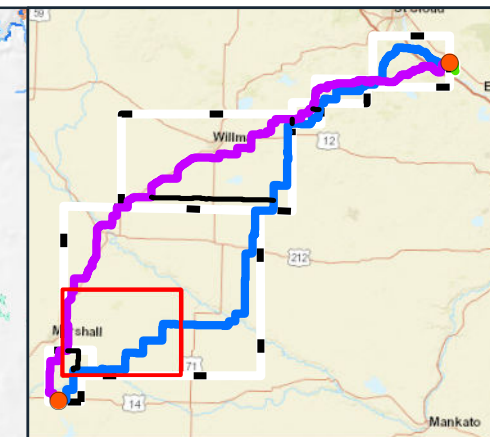
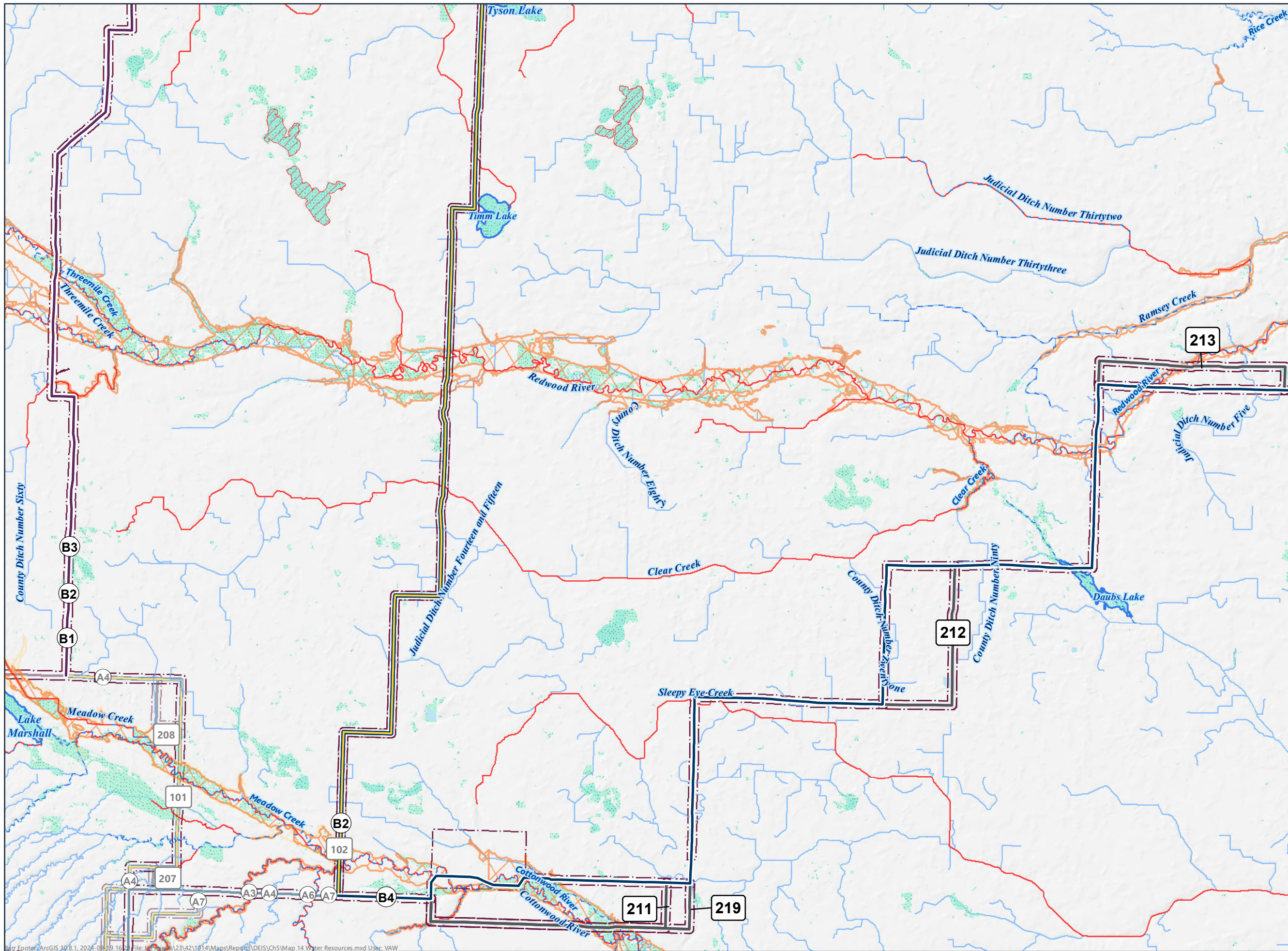


- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment B1 (Purple Route)
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- NHD Watercourse
- PWI Watercourse
- MPCA Impaired Stream
- NHD Waterbody
- MPCA Impaired Waterbody
- Wetlands**
- Non-Forested Wetland
- Forested Wetland
- Floodplains**
- 100-Year Floodplain
- 500-Year Floodplain

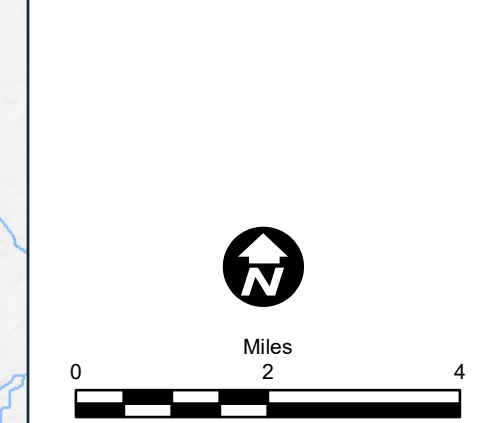


**WATER RESOURCES
REGION B OVERVIEW**
Minnesota Energy
Connection Project

Barr Footer: ArcGIS 10.8.1, 2024-09-19 16:26 File: \\P:\Projects\142\1014\Map\Reports\DEIS\Ch5\Map_14_Water_Resources.mxd, User: V...

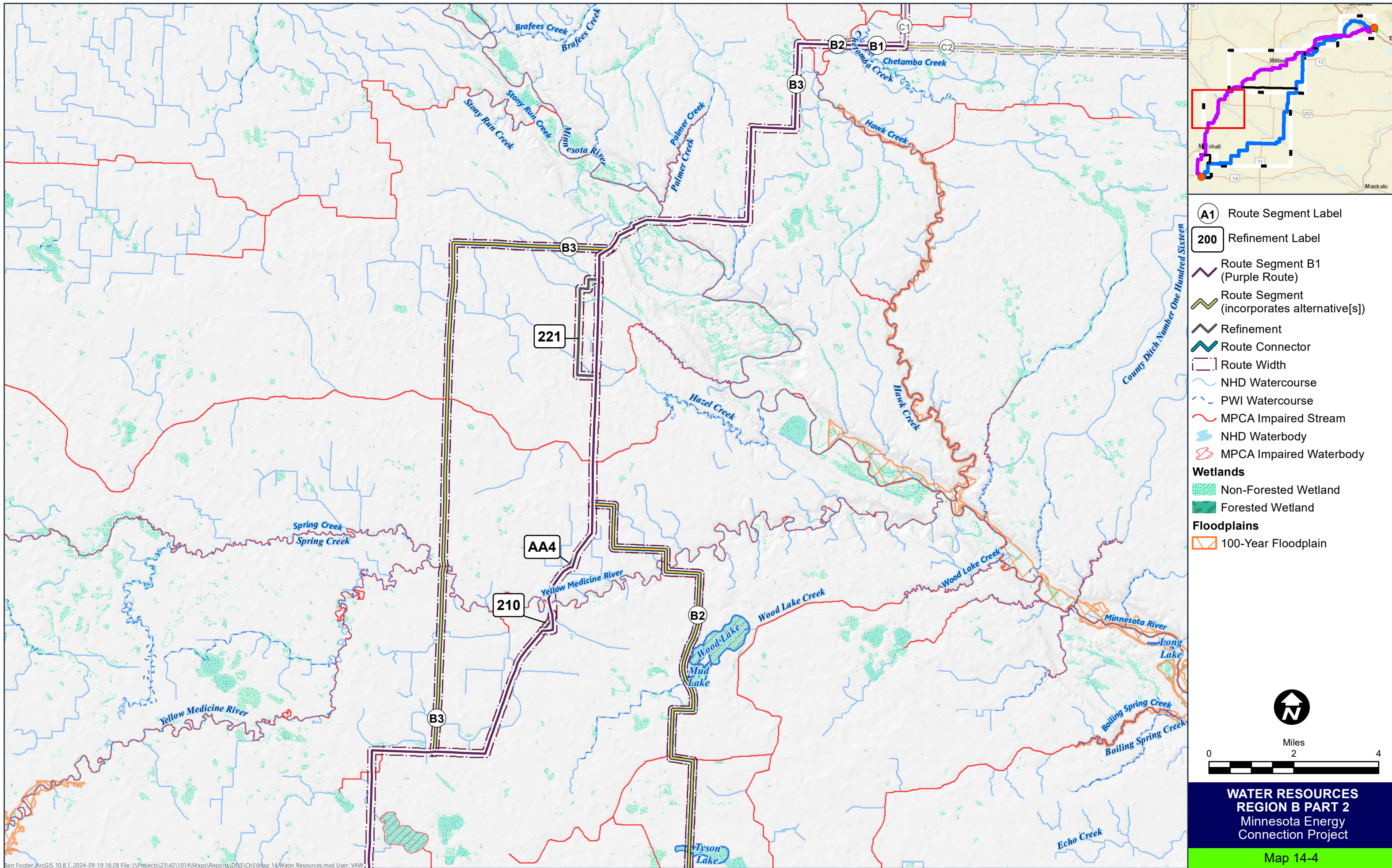


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment B1 (Purple Route)
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- NHD Watercourse
- PWI Watercourse
- MPCA Impaired Stream
- NHD Waterbody
- MPCA Impaired Waterbody
- Wetlands**
- Non-Forested Wetland
- Floodplains**
- 100-Year Floodplain
- 500-Year Floodplain

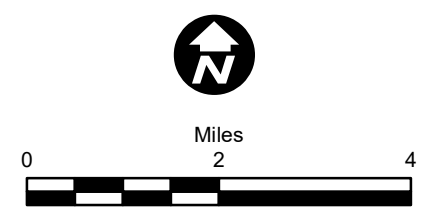


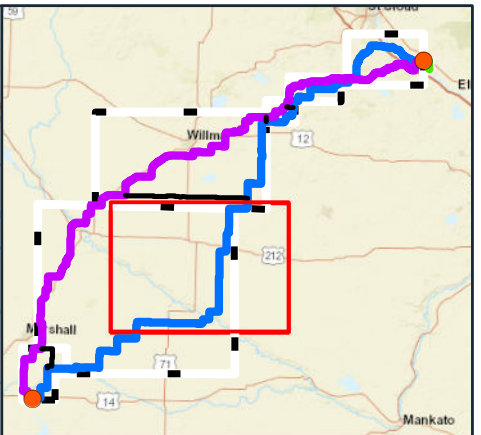
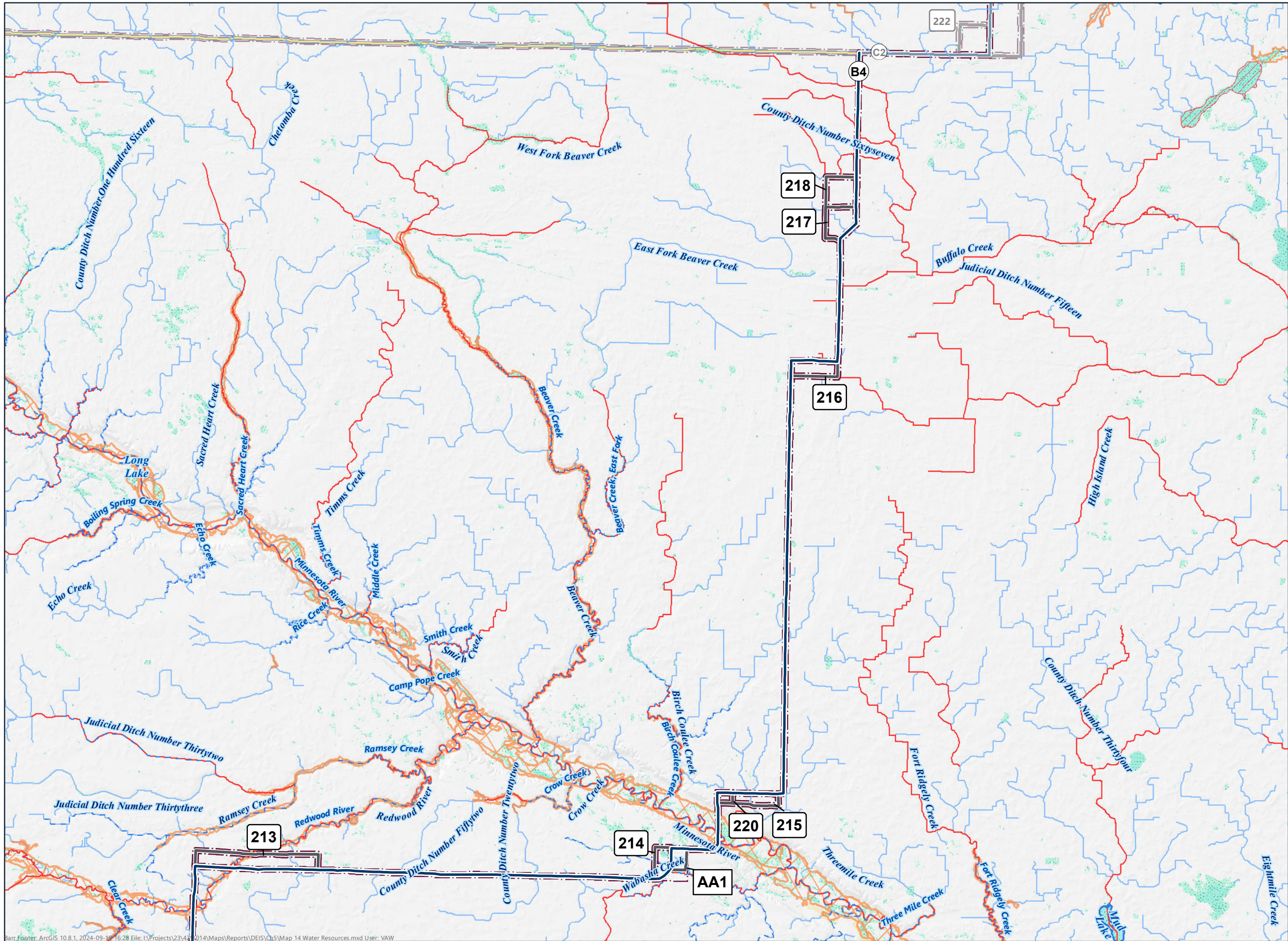
**WATER RESOURCES
REGION B PART 1**
Minnesota Energy
Connection Project

Bar Footer: ArcGIS 10.8.1, 2024-09-19 16:22 File: \\p:\gis\23\42\1014\Maps\Reports\DEIS\Ch5\Map 14 Water Resources.mxd User: VAW

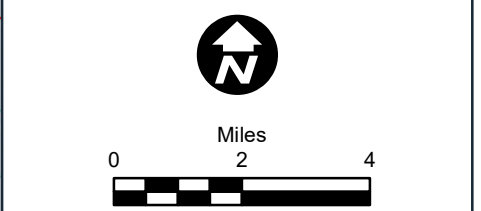


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment B1 (Purple Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- NHD Watercourse
- - - PWI Watercourse
- MPCA Impaired Stream
- NHD Waterbody
- MPCA Impaired Waterbody
- Wetlands**
- Non-Forested Wetland
- Forested Wetland
- Floodplains**
- 100-Year Floodplain

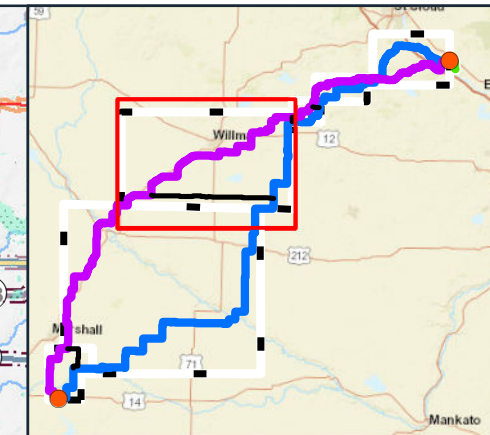
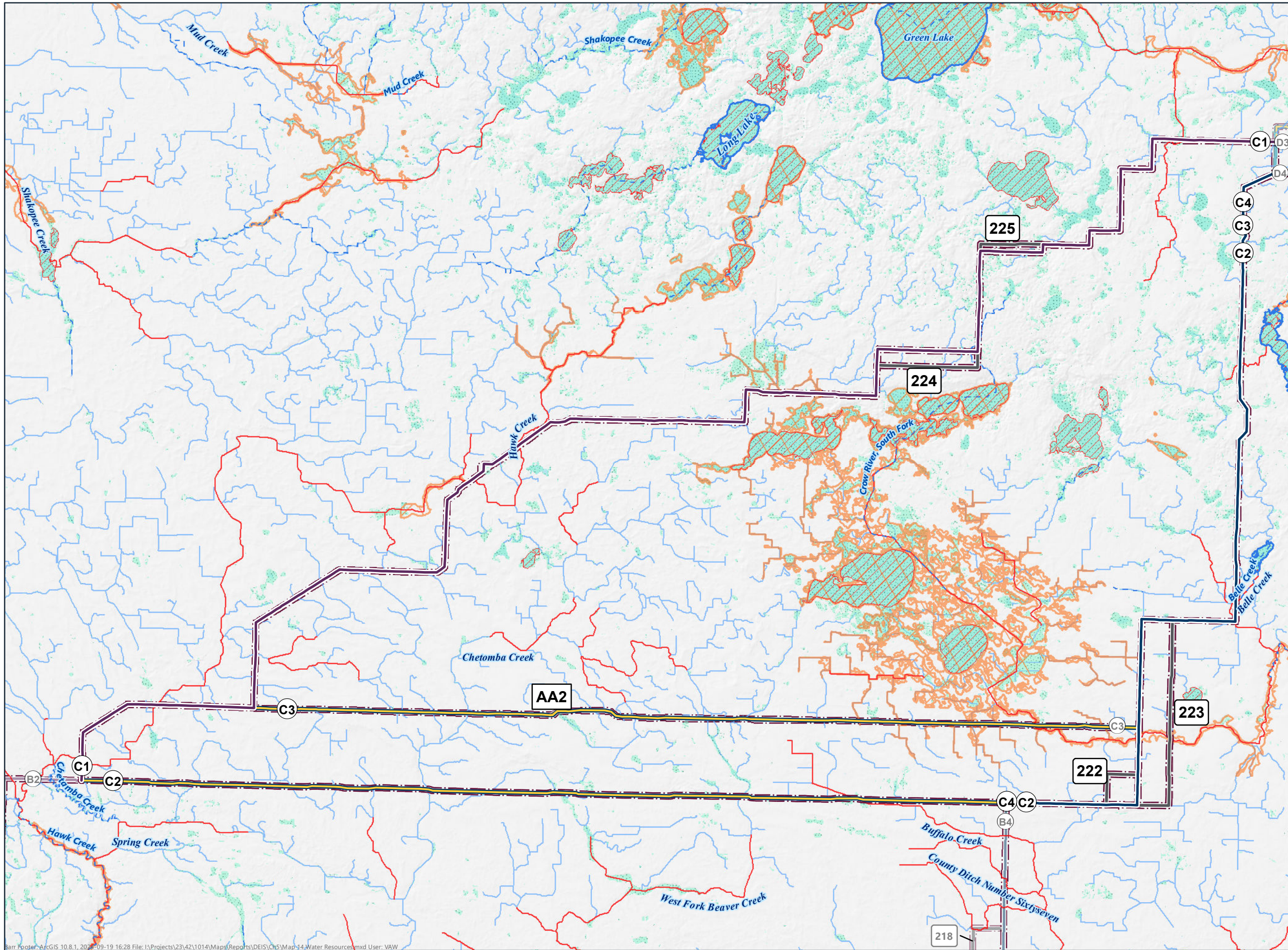




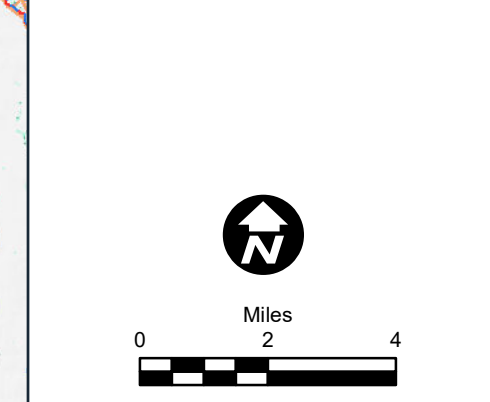
- A1 Route Segment Label
- 200 Refinement Label
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- NHD Watercourse
- PWI Watercourse
- MPCA Impaired Stream
- NHD Waterbody
- MPCA Impaired Waterbody
- Wetlands**
- Non-Forested Wetland
- Floodplains**
- 100-Year Floodplain
- 500-Year Floodplain



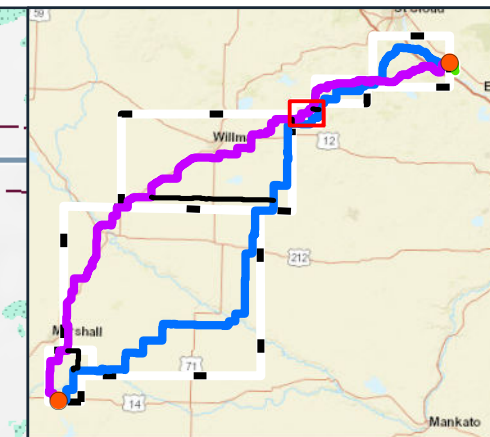
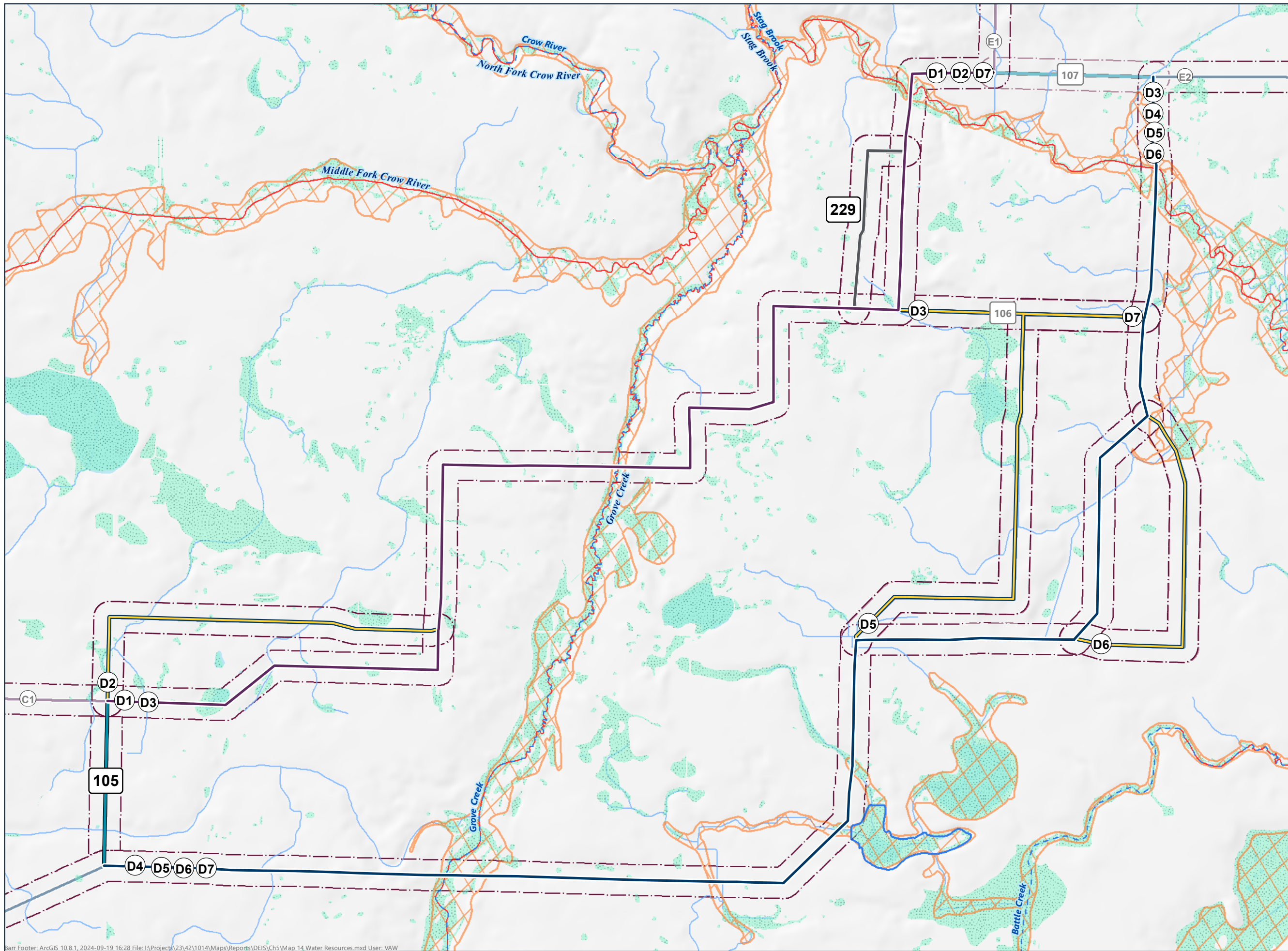
Barr Footer: ArcGIS 10.8.1, 2024-09-19 16:28 File: I:\Projects\23143\2014\Maps\Reports\DEIS\Ch5\Map 14 Water Resources.mxd User: VAW



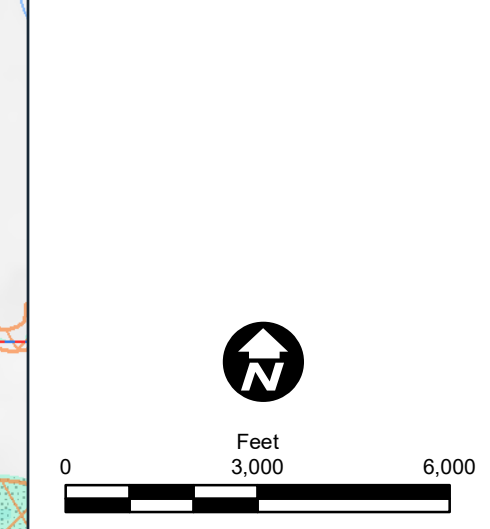
- A1 Route Segment Label
- 200 Refinement Label
- Route Segment C1 (Purple Route)
- Route Segment C4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- NHD Watercourse
- PWI Watercourse
- MPCA Impaired Stream
- NHD Waterbody
- PWI Waterbody
- MPCA Impaired Waterbody
- Wetlands**
- Non-Forested Wetland
- Forested Wetland
- Floodplains**
- 100-Year Floodplain



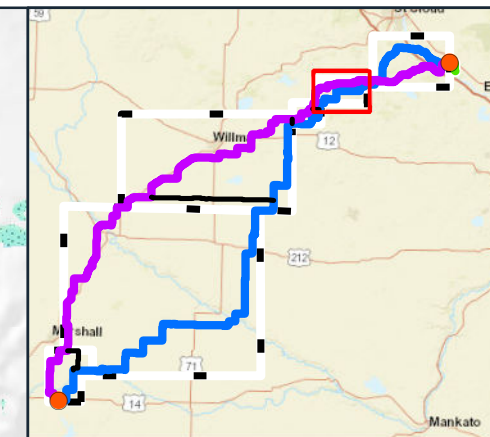
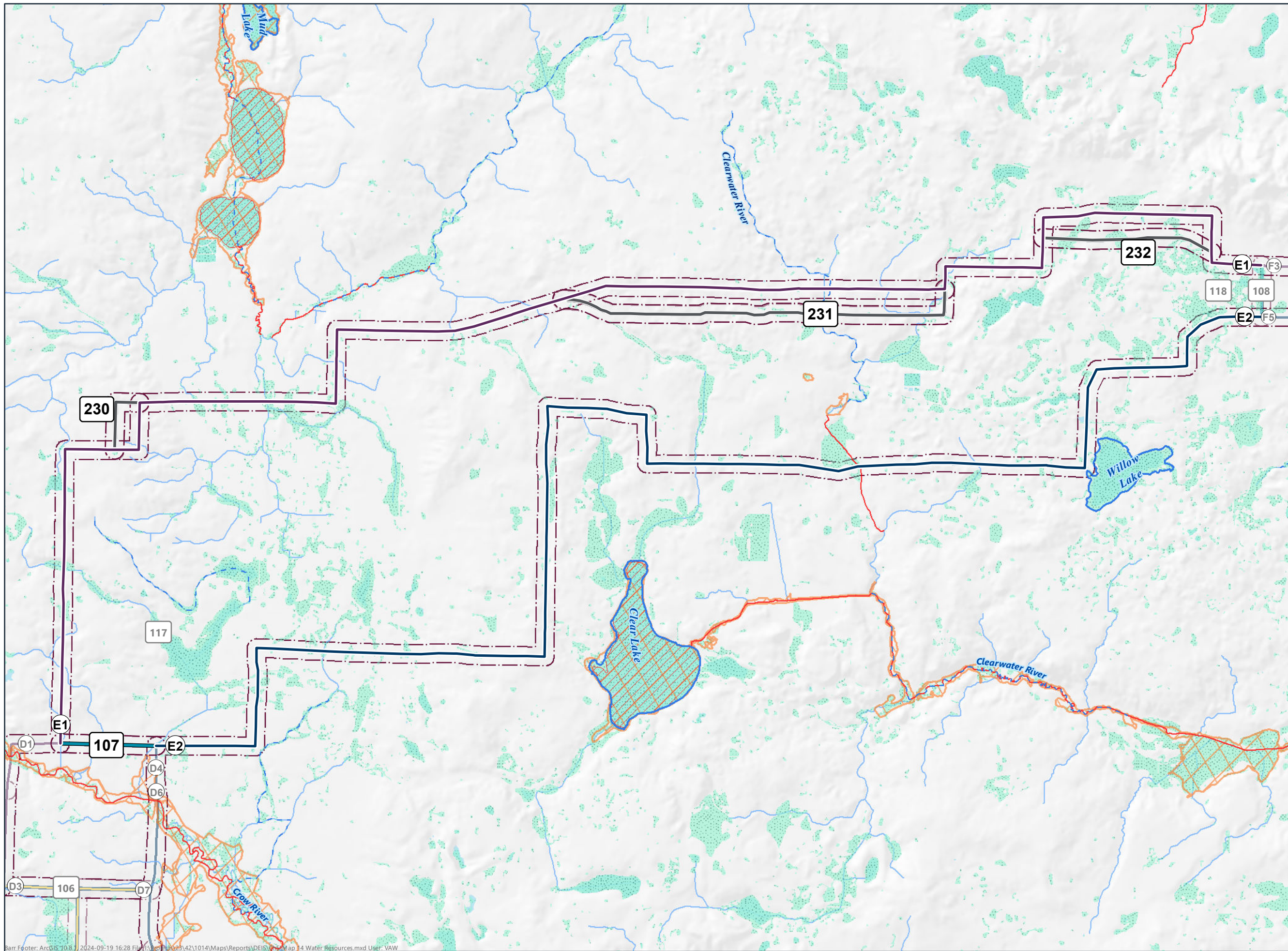
Barr Footer: ArcGIS 10.8.1, 2020-09-19 16:28 File: I:\Projects\23\42\1014\Maps\Reports\DEIS\Ch5\Map 14 Water Resources.mxd User: VAW



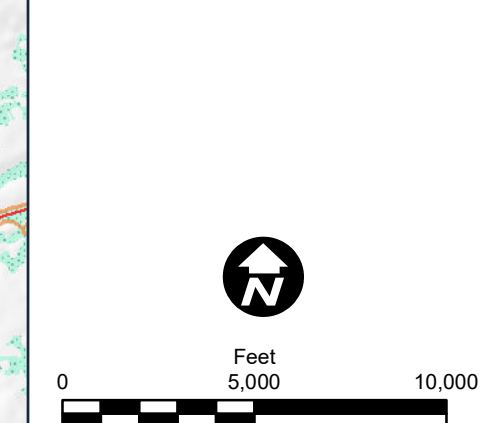
- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment D1 (Purple Route)
- Route Segment D4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- NHD Watercourse
- PWI Watercourse
- MPCA Impaired Stream
- NHD Waterbody
- Wetlands**
- Non-Forested Wetland
- Floodplains**
- 100-Year Floodplain

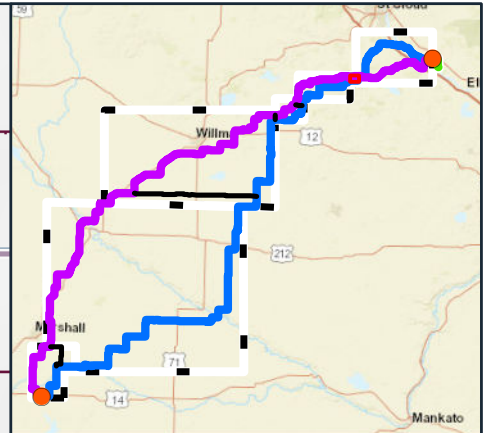
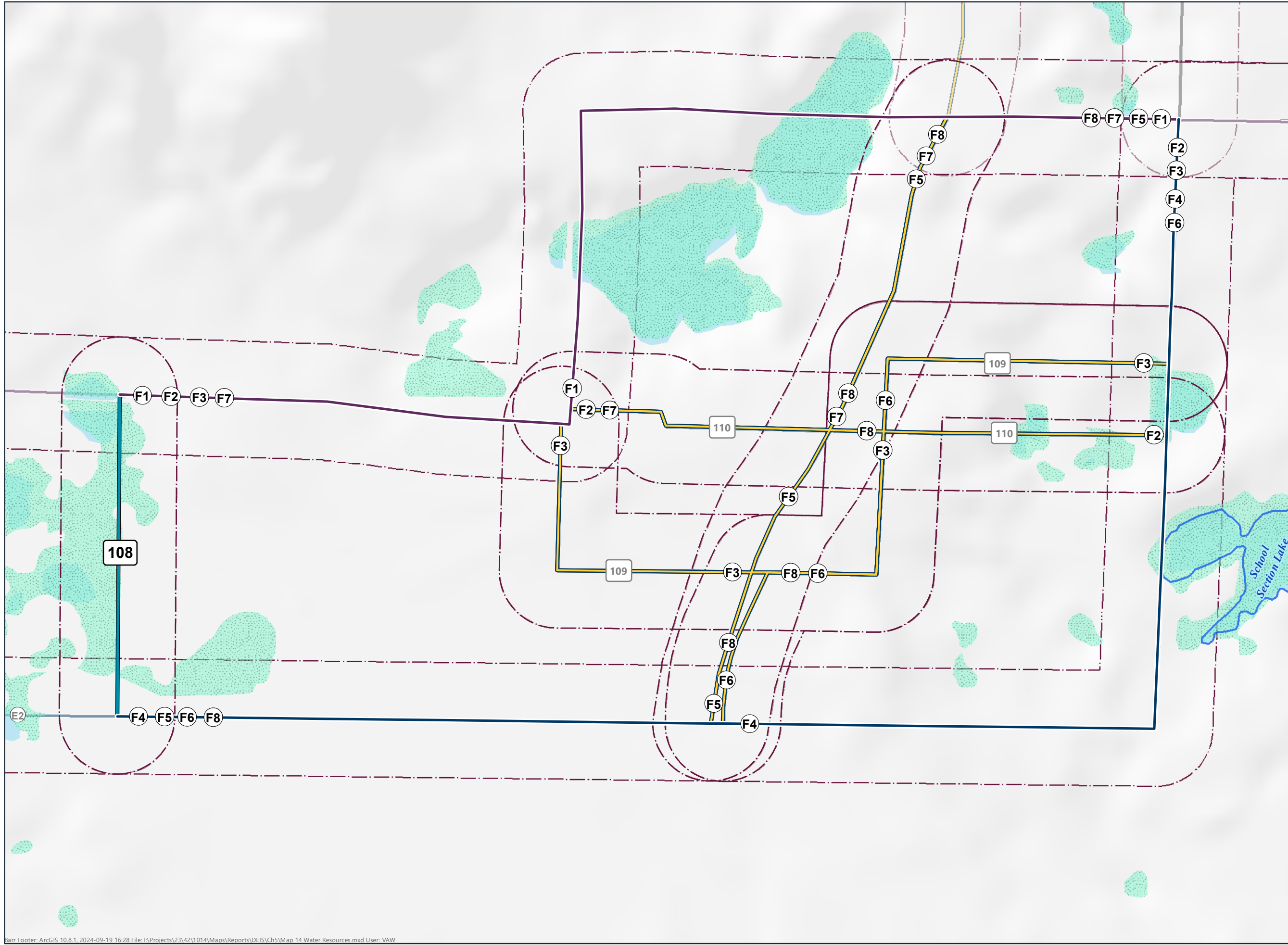


Barr Footer: ArcGIS 10.8.1, 2024-09-19 16:28 File: I:\Project\23\42\1014\Maps\Reports\DEIS\Ch5\Map 14 Water Resources.mxd User: VAW

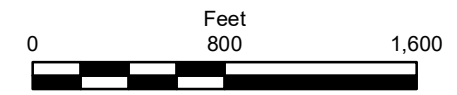


- A1 Route Segment Label
- 200 Refinement Label
- Route Segment E1 (Purple Route)
- Route Segment E2 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- NHD Watercourse
- - - PWI Watercourse
- MPCA Impaired Stream
- NHD Waterbody
- MPCA Impaired Waterbody
- Wetlands**
- Non-Forested Wetland
- Forested Wetland
- Floodplains**
- 100-Year Floodplain



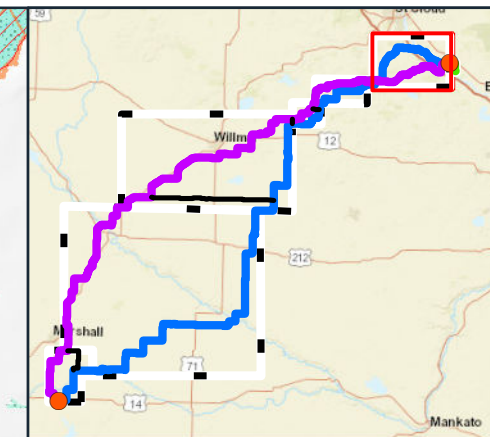
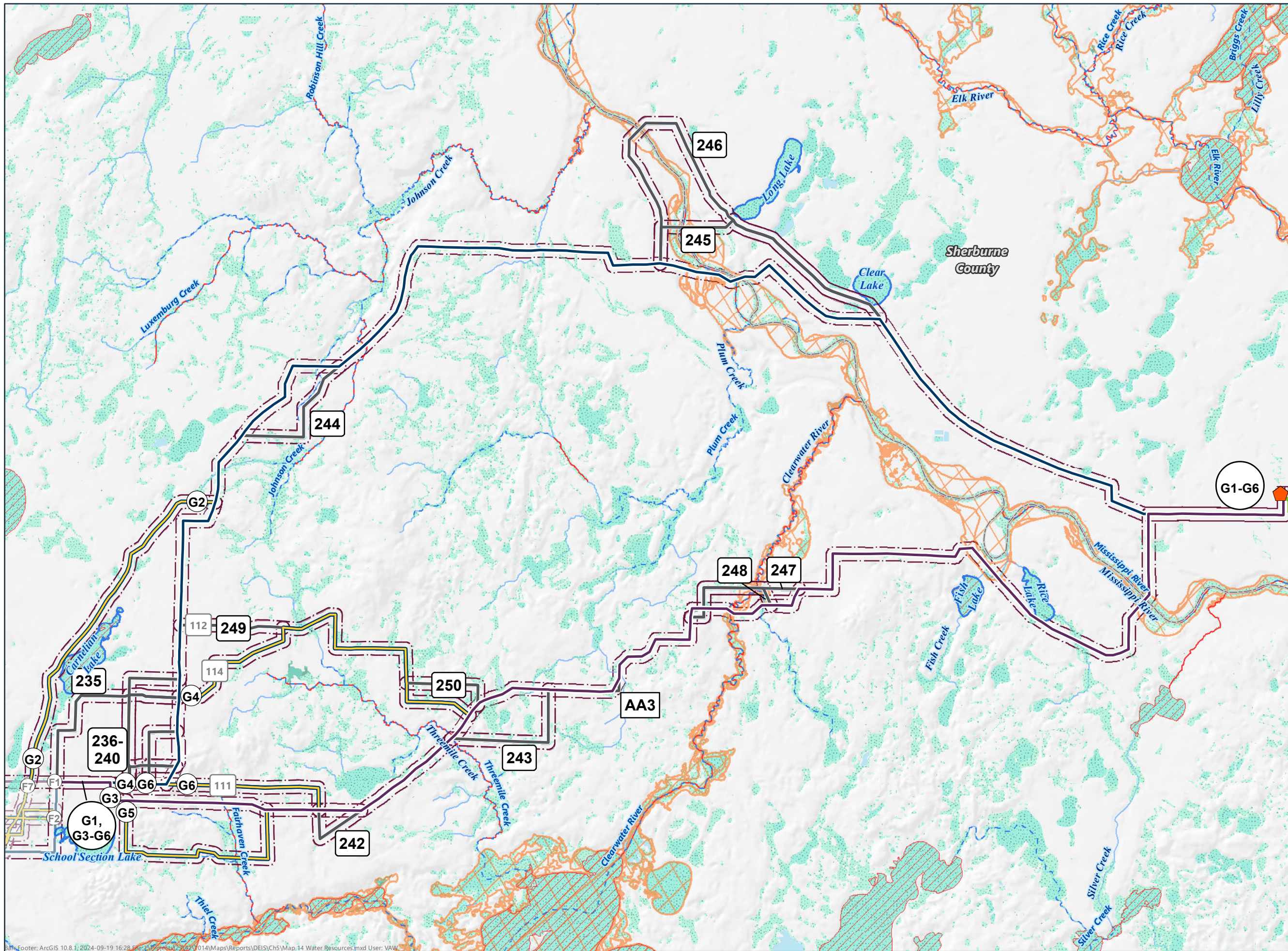


- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment F1 (Purple Route)
- Route Segment F4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Route Connector
- Route Width
- NHD Waterbody
- Wetlands**
- Non-Forested Wetland

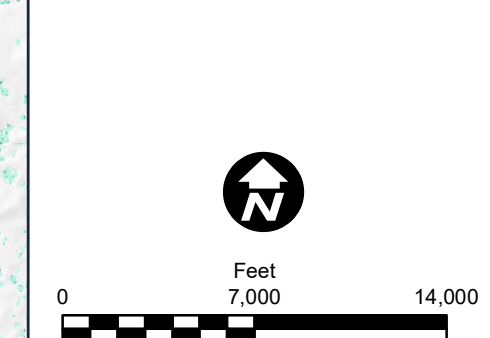


**WATER RESOURCES
REGION F**
Minnesota Energy
Connection Project

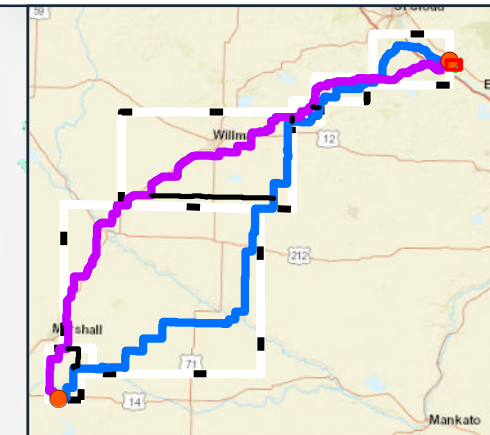
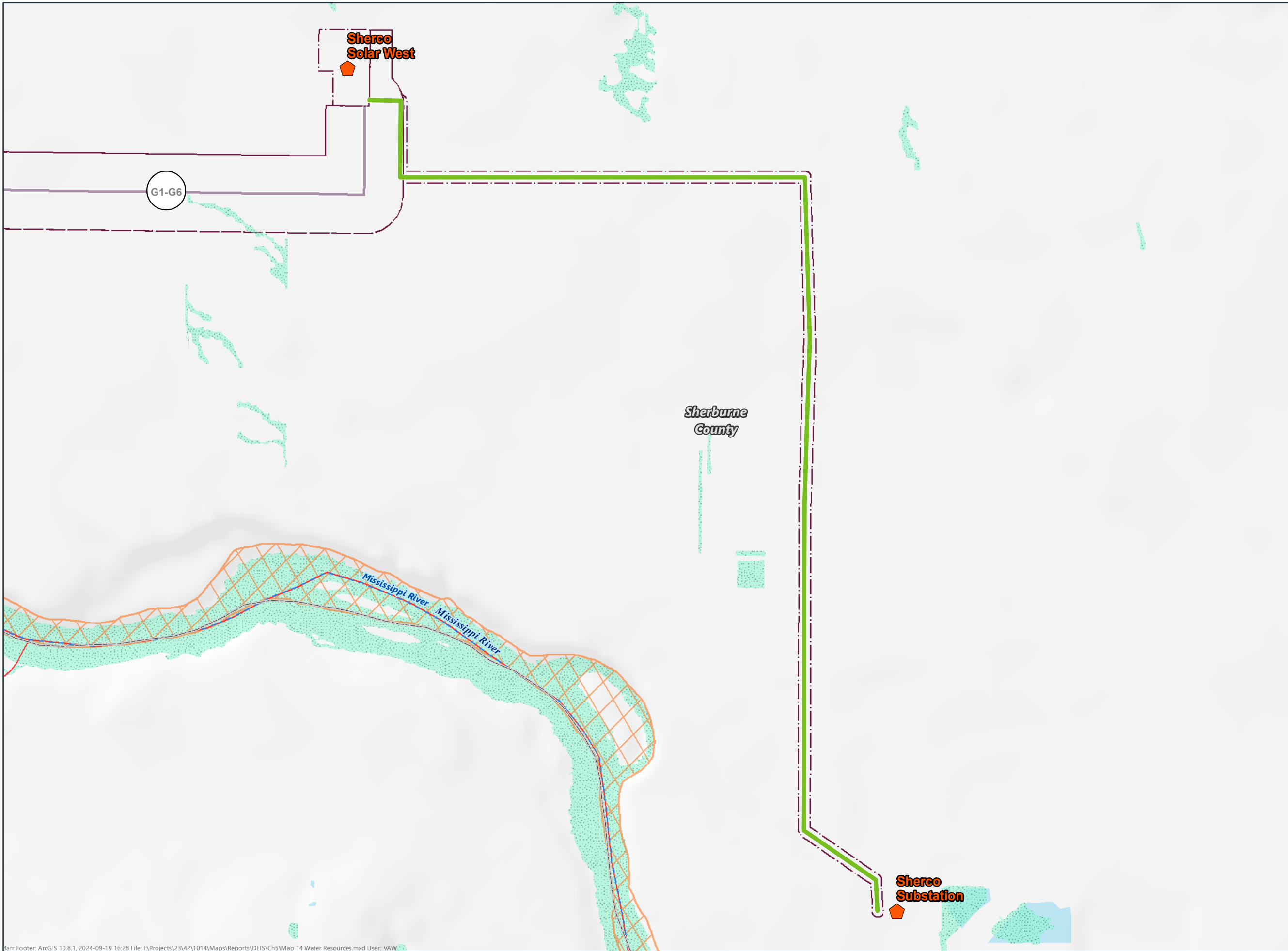
Map 14-9



- A1 Route Segment Label
- 200 Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment G3 (Purple Route)
- Green Route Segment
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- Existing Substation
- NHD Watercourse
- PWI Watercourse
- MPCA Impaired Stream
- NHD Waterbody
- MPCA Impaired Waterbody
- Wetlands**
- Non-Forested Wetland
- Forested Wetland
- Floodplains**
- 100-Year Floodplain



File: Footer: ArcGIS 10.8.1, 2024-09-19 16:28, File: \\proj\proj\2024\014\Maps\Reports\DEIS\Ch5\Map_14_Water_Resources.mxd User: VAW



- A1 Route Segment Label
- 200 Refinement Label
- Green Route Segment
- Route Width
- ▮ Existing Substation
- ~ NHD Watercourse
- - - PWI Watercourse
- ~ MPCA Impaired Stream
- ~ NHD Waterbody
- Wetlands**
- Non-Forested Wetland
- Floodplains**
- 100-Year Floodplain

