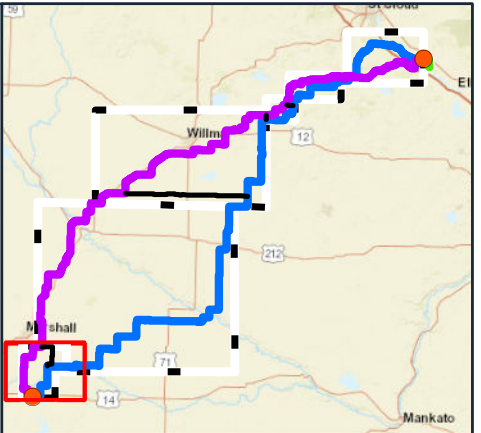
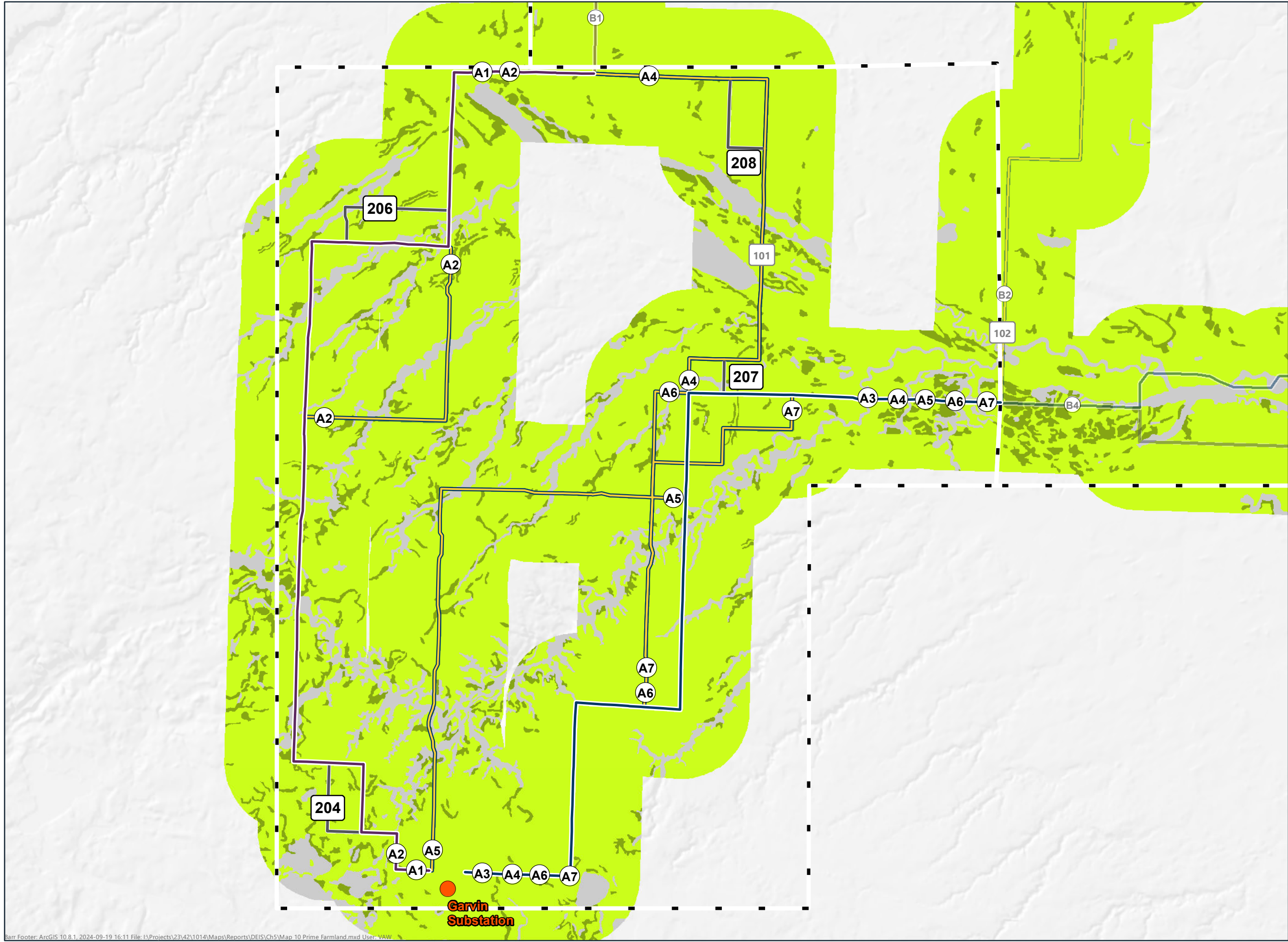
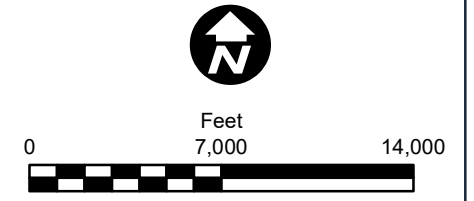
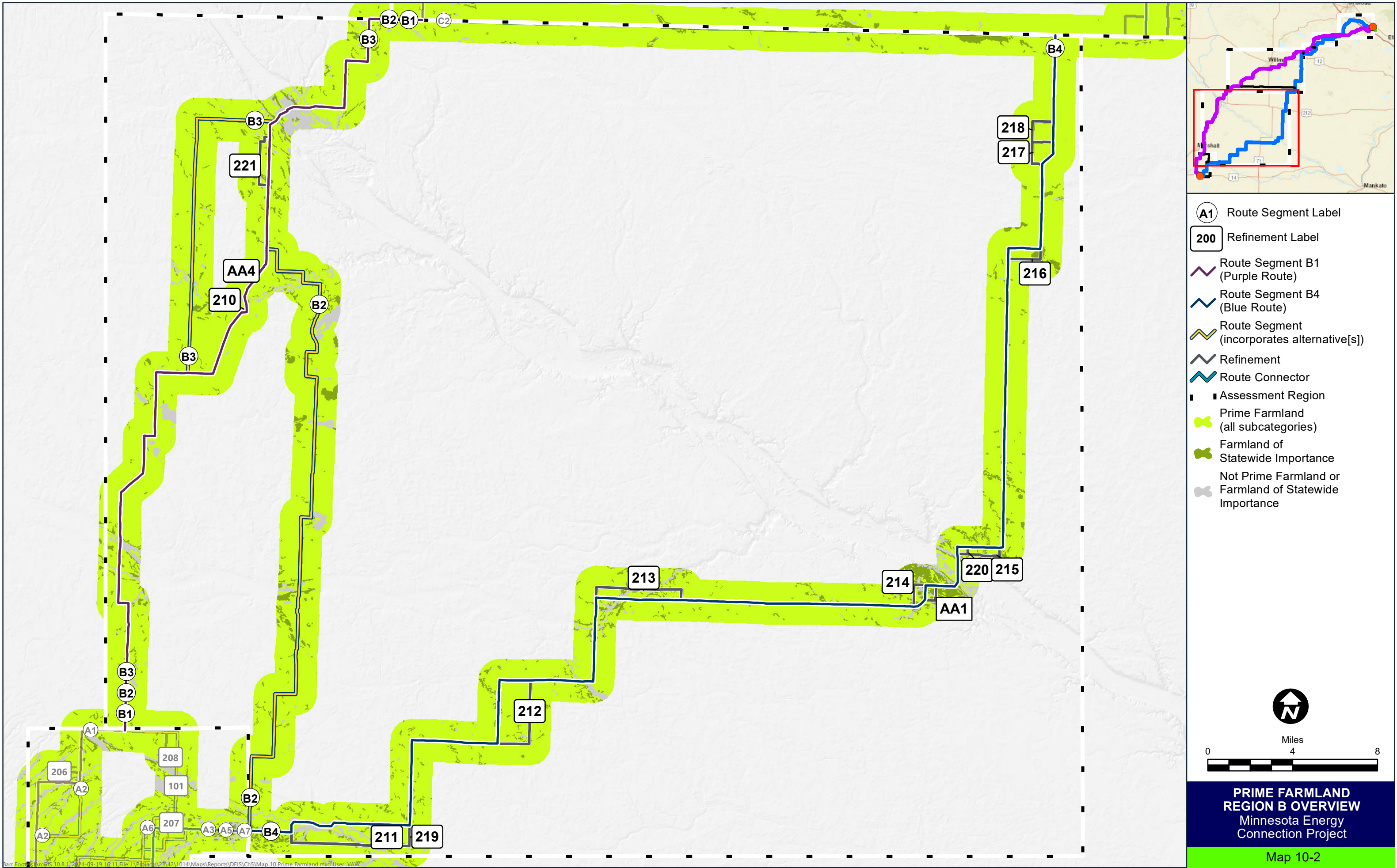




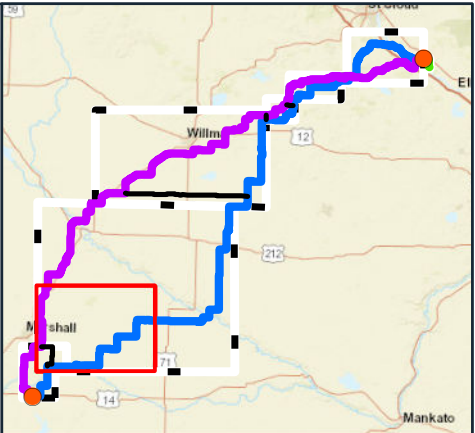
- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment A1 (Purple Route)
- Route Segment A3 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Proposed Substation
- Assessment Region
- Prime Farmland (all subcategories)
- Farmland of Statewide Importance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



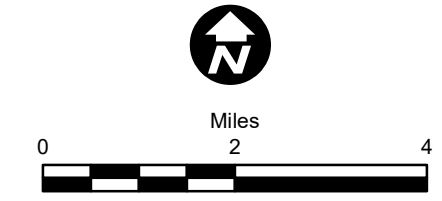


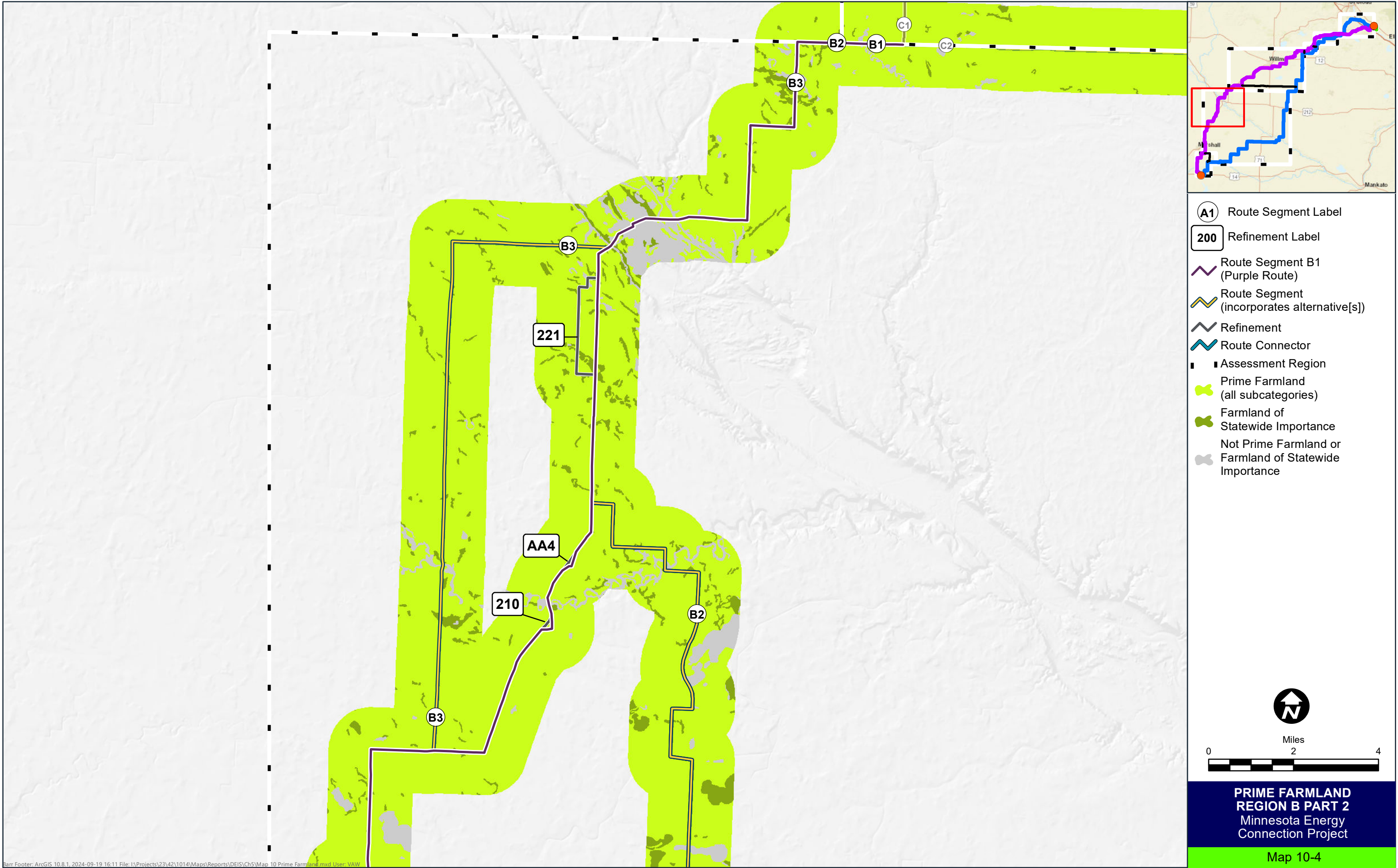
- (A1) Route Segment Label
- 200 Refinement Label
- Route Segment B1 (Purple Route)
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Assessment Region
- Prime Farmland (all subcategories)
- Farmland of Statewide Importance
- Not Prime Farmland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

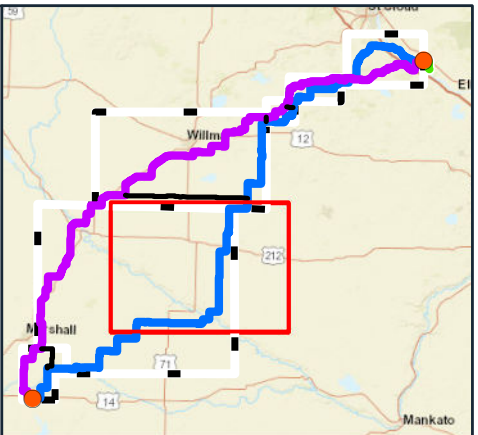
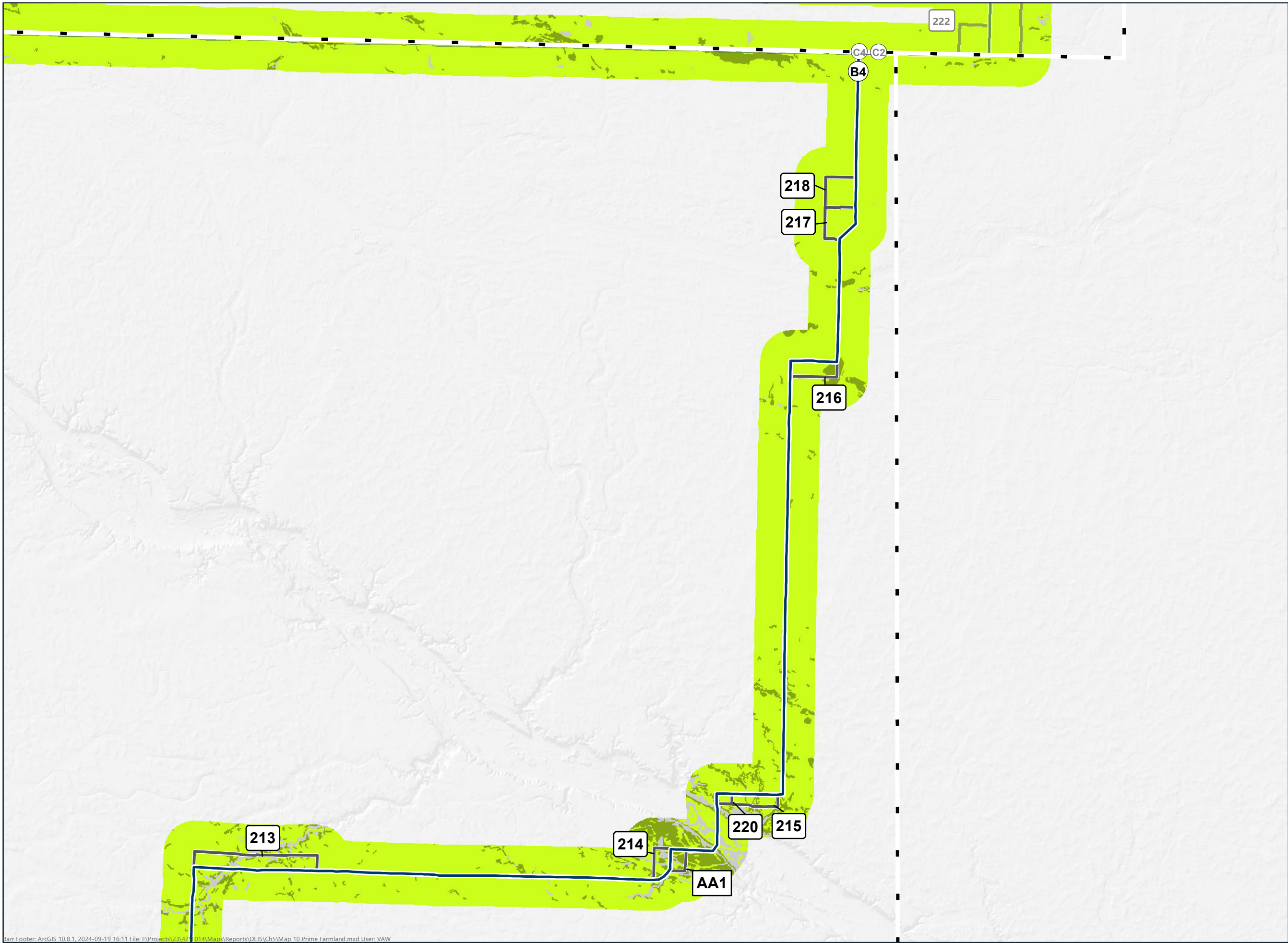




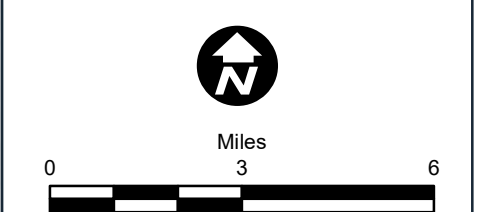
- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment B1 (Purple Route)
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Assessment Region
- Prime Farmland (all subcategories)
- Farmland of Statewide Importance
- Not Prime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

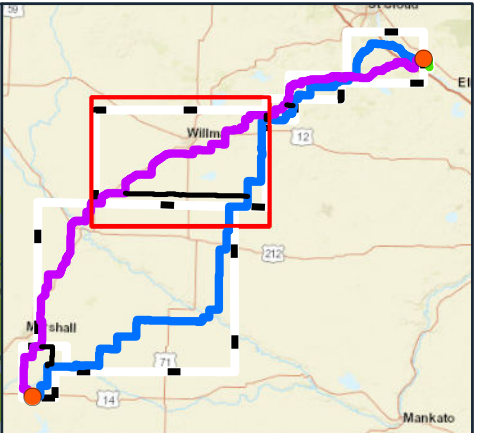






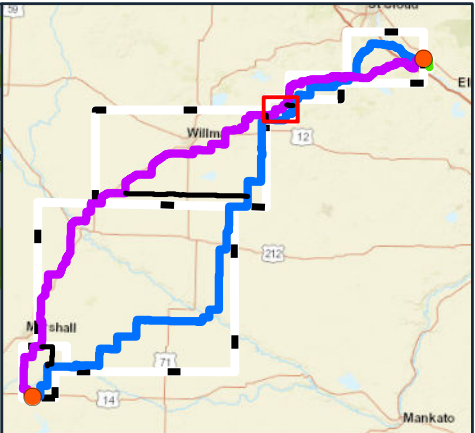
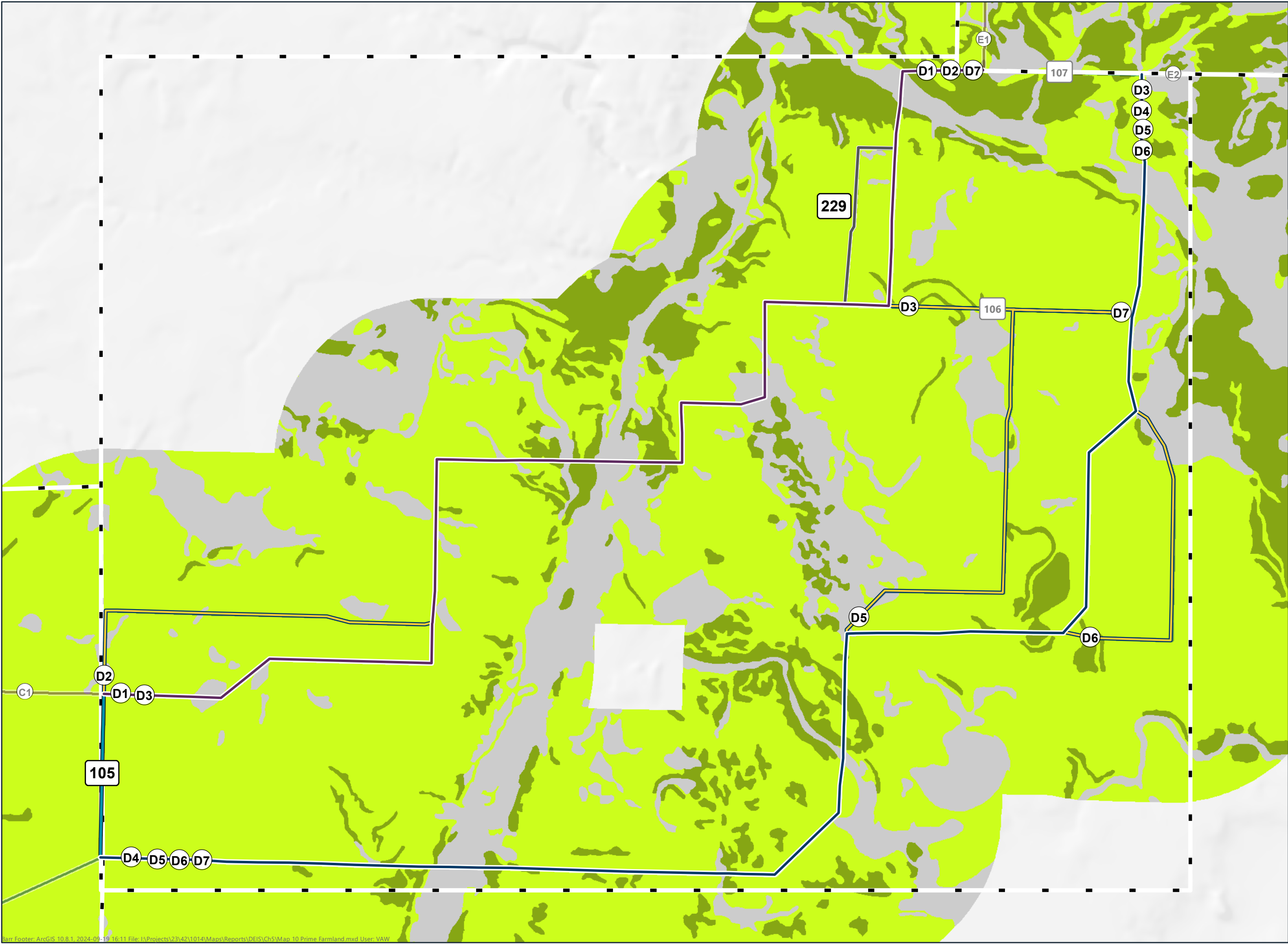
- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Assessment Region
- Prime Farmland (all subcategories)
- Farmland of Statewide Importance
- Not Prime Farmland or Farmland of Statewide Importance



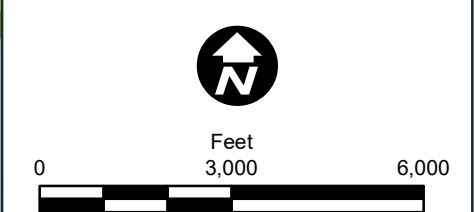


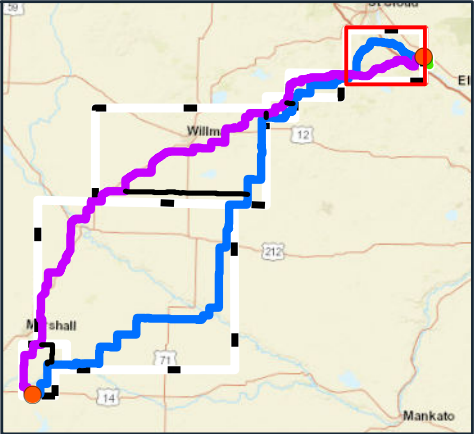
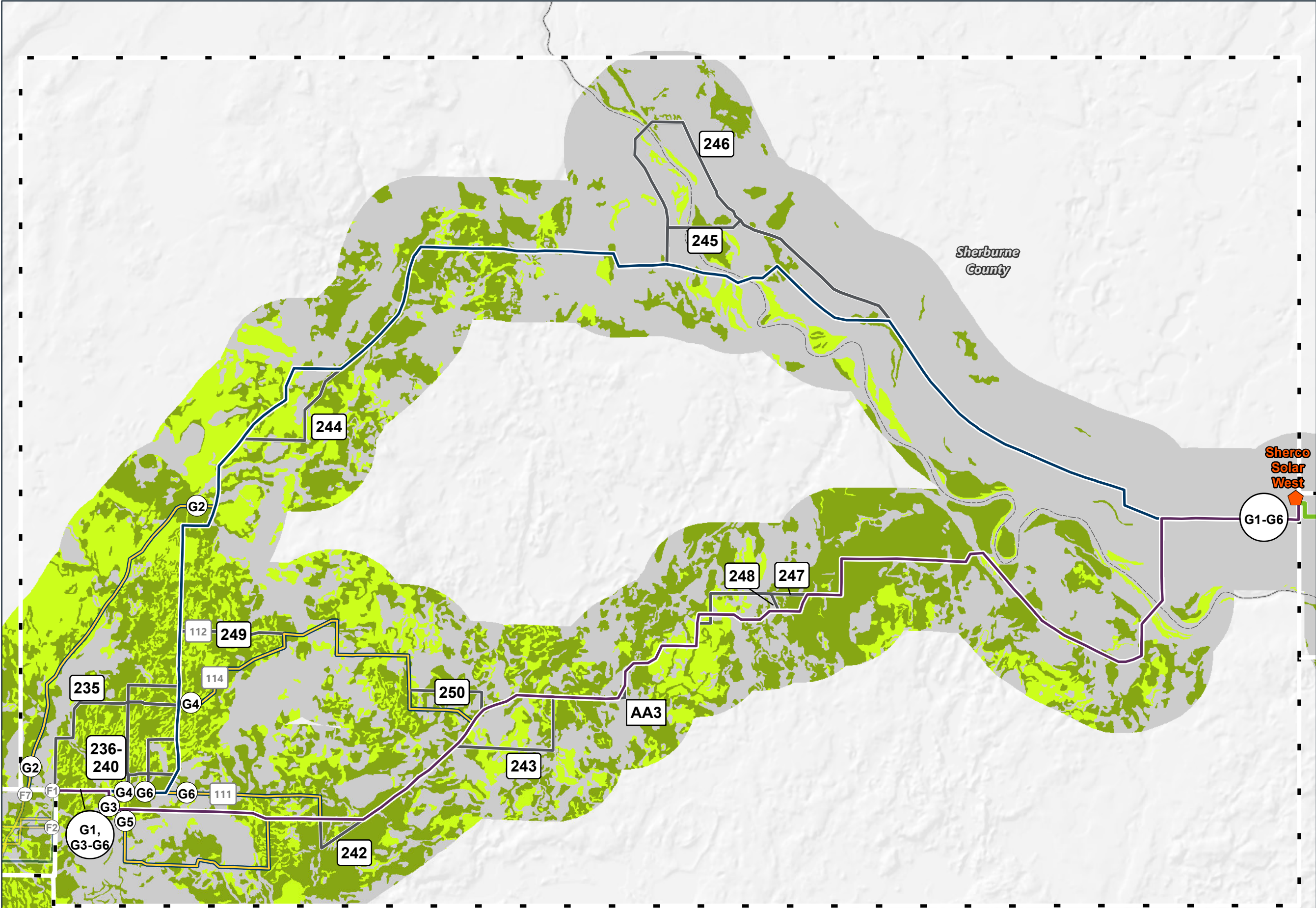
- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment C1 (Purple Route)
- Route Segment C4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Assessment Region
- Prime Farmland (all subcategories)
- Farmland of Statewide Importance
- Not Prime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



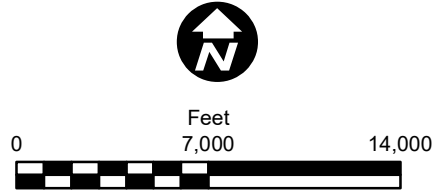


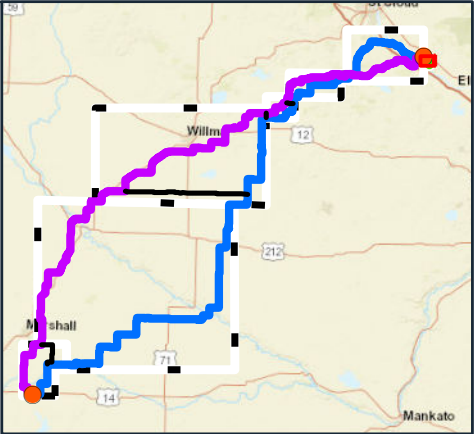
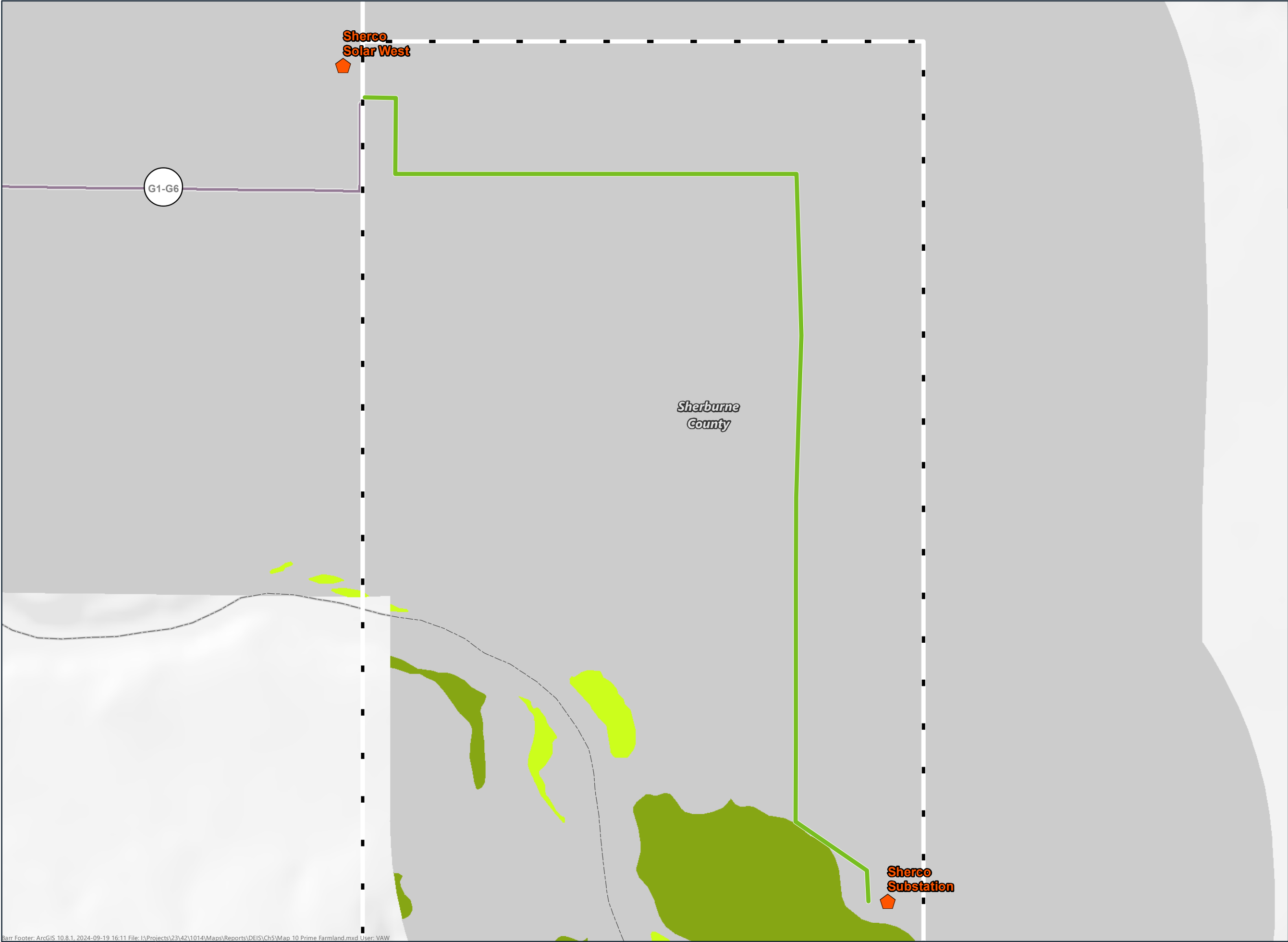
- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment D1 (Purple Route)
- Route Segment D4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Assessment Region
- Prime Farmland (all subcategories)
- Farmland of Statewide Importance
- Not Prime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





- (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





(A1) Route Segment Label

200 Refinement Label

Green Route Segment

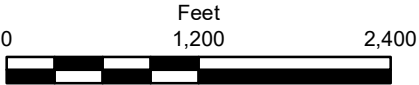
Existing Substation

Assessment Region

Prime Farmland
(all subcategories)

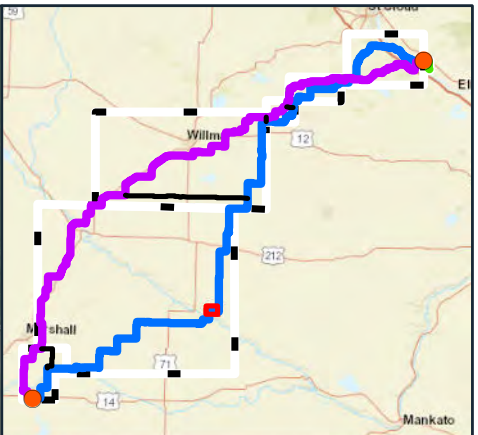
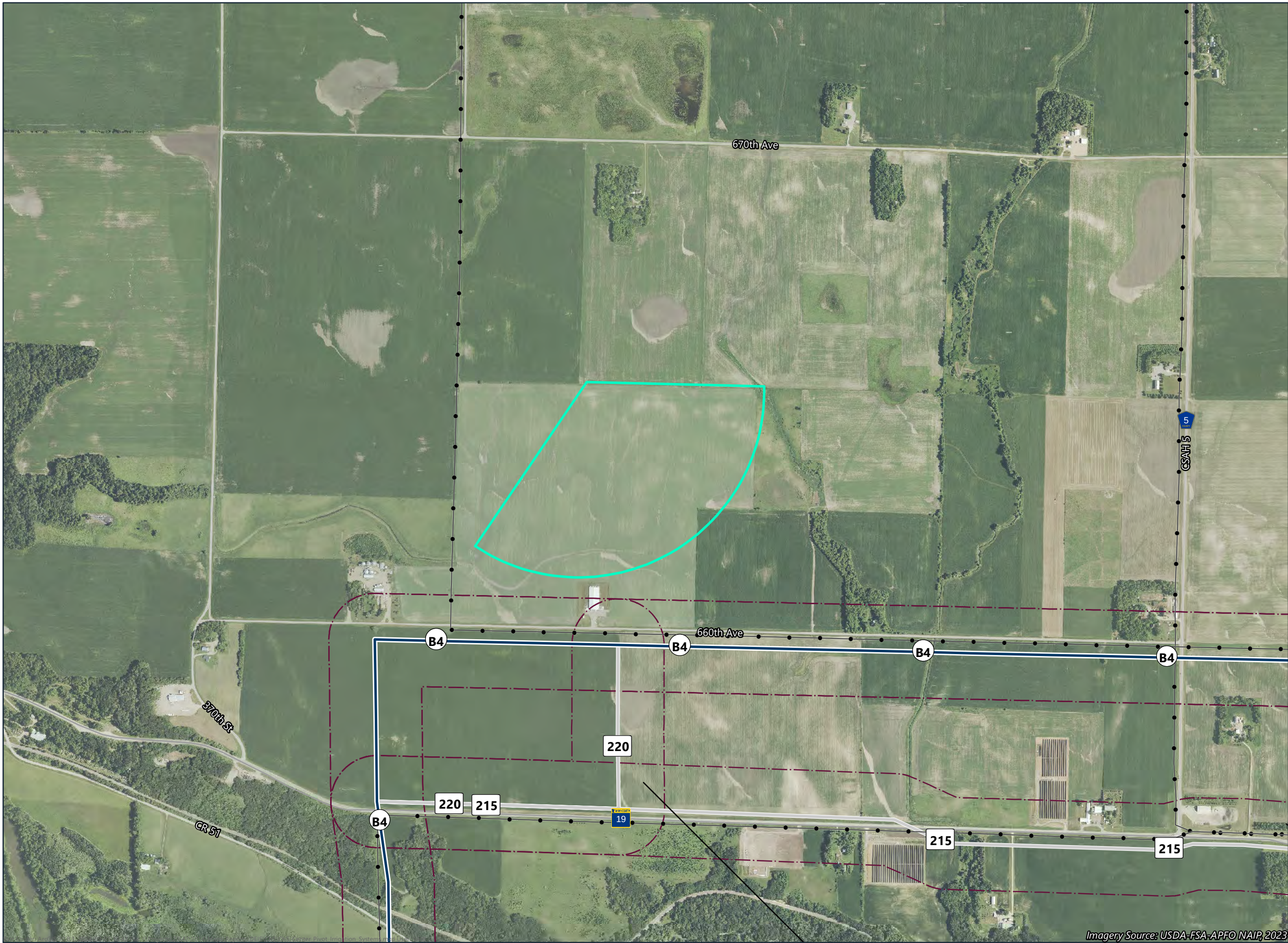
Farmland of
Statewide Importance

Not Prime Farmland or
Farmland of Statewide
Importance

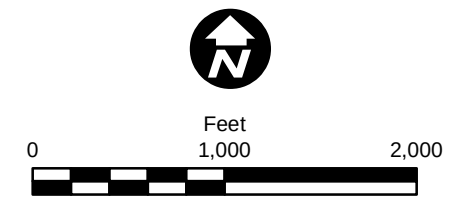


**PRIME FARMLAND
GREEN ROUTE SEGMENT**
Minnesota Energy
Connection Project

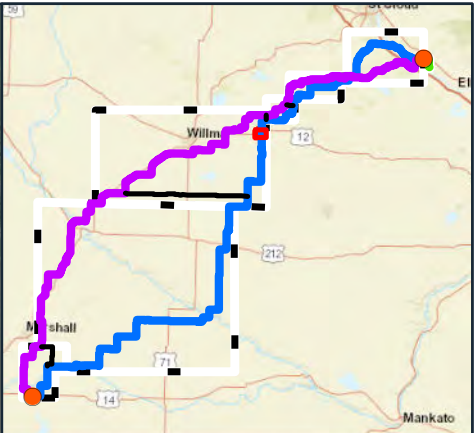
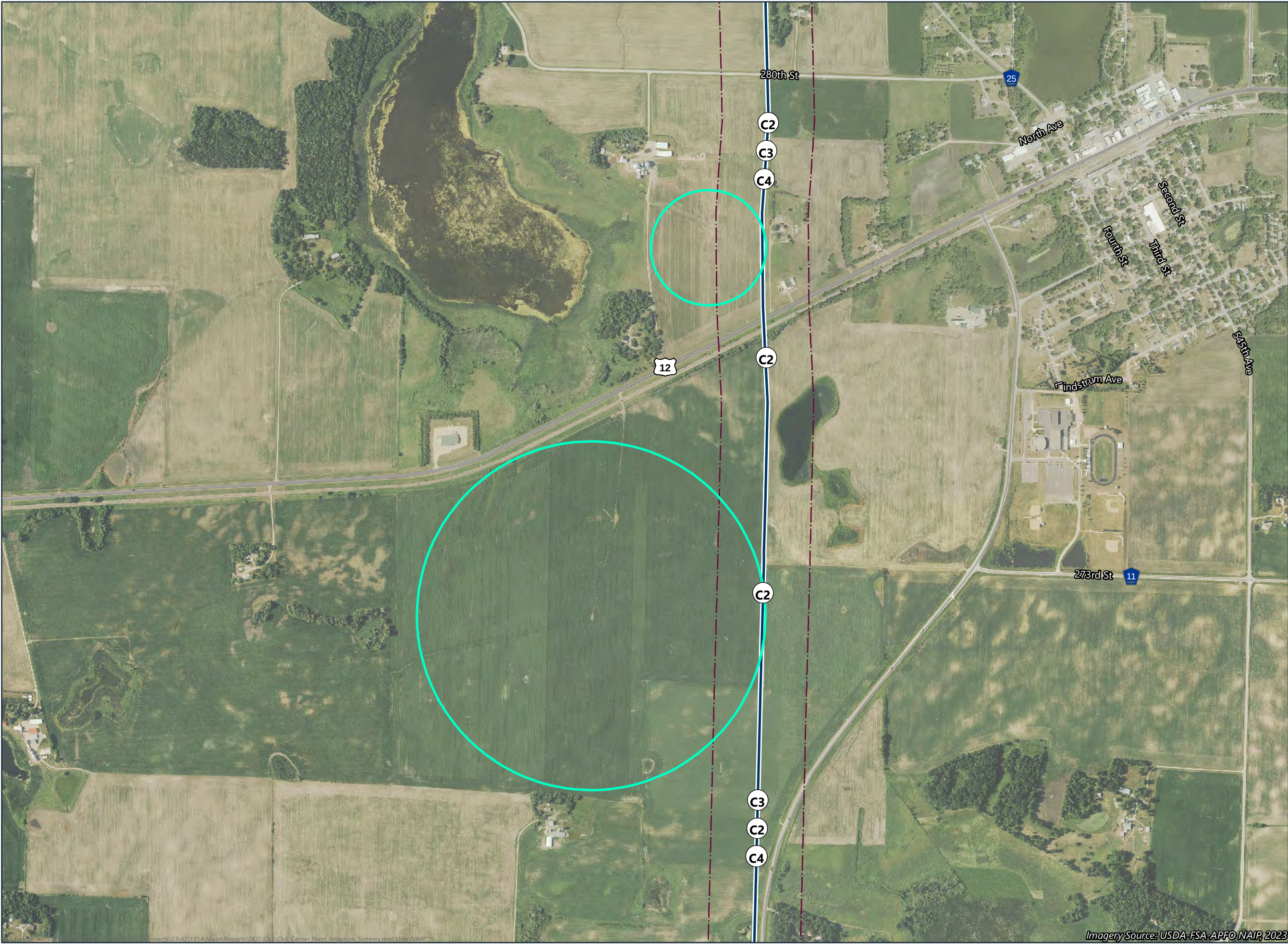
Map 10-11



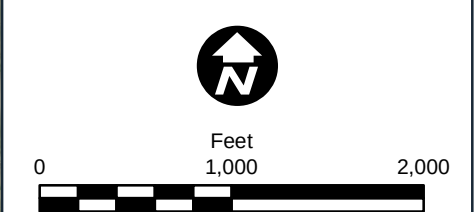
- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System

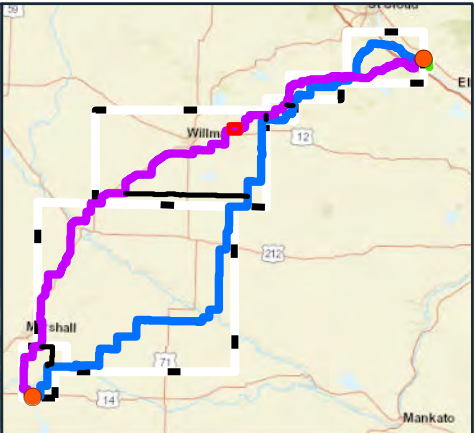
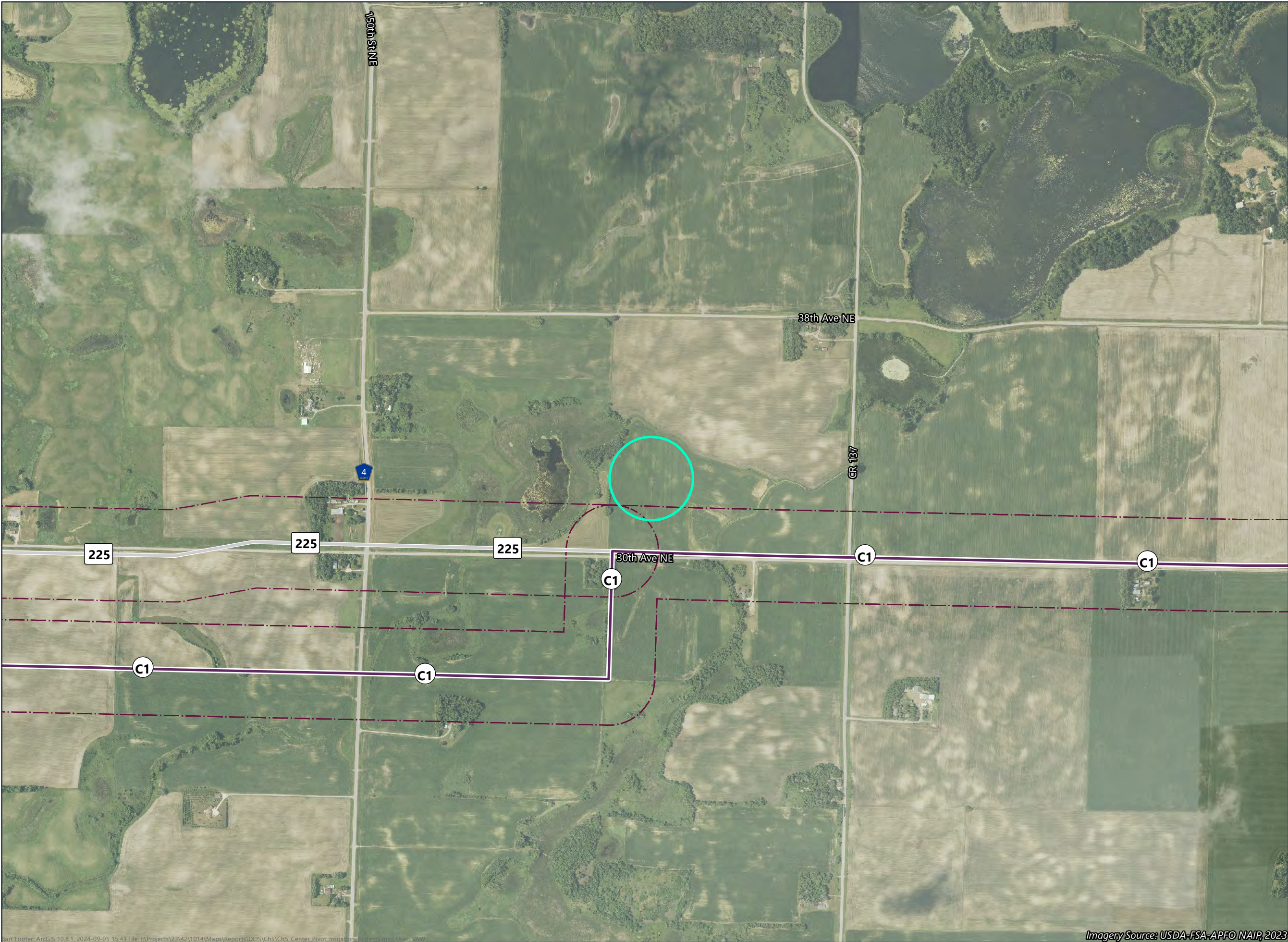


Imagery Source: USDA-FSA-APFO NAIR, 2023

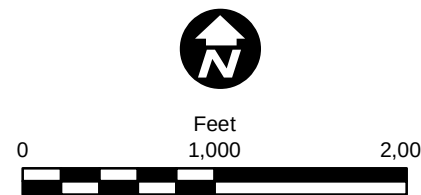


- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment C4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Route Width
- Center Pivot Irrigation System

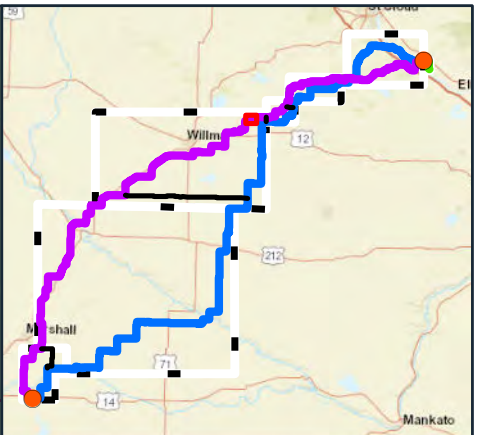
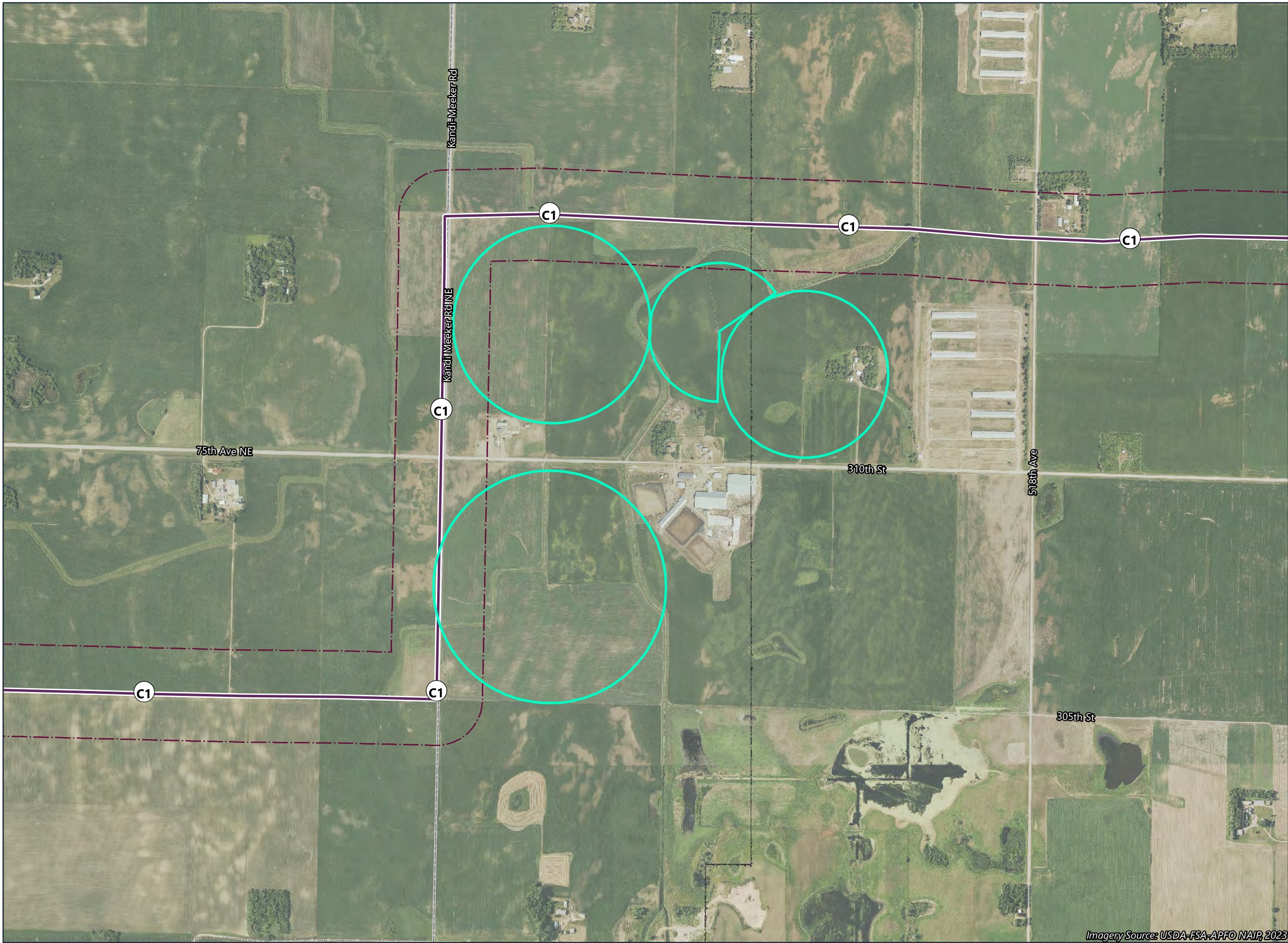




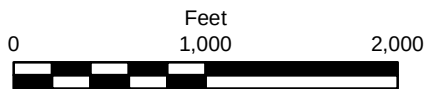
- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment C1 (Purple Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Center Pivot Irrigation System



CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project



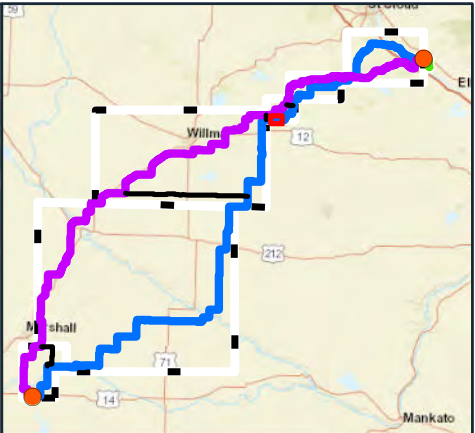
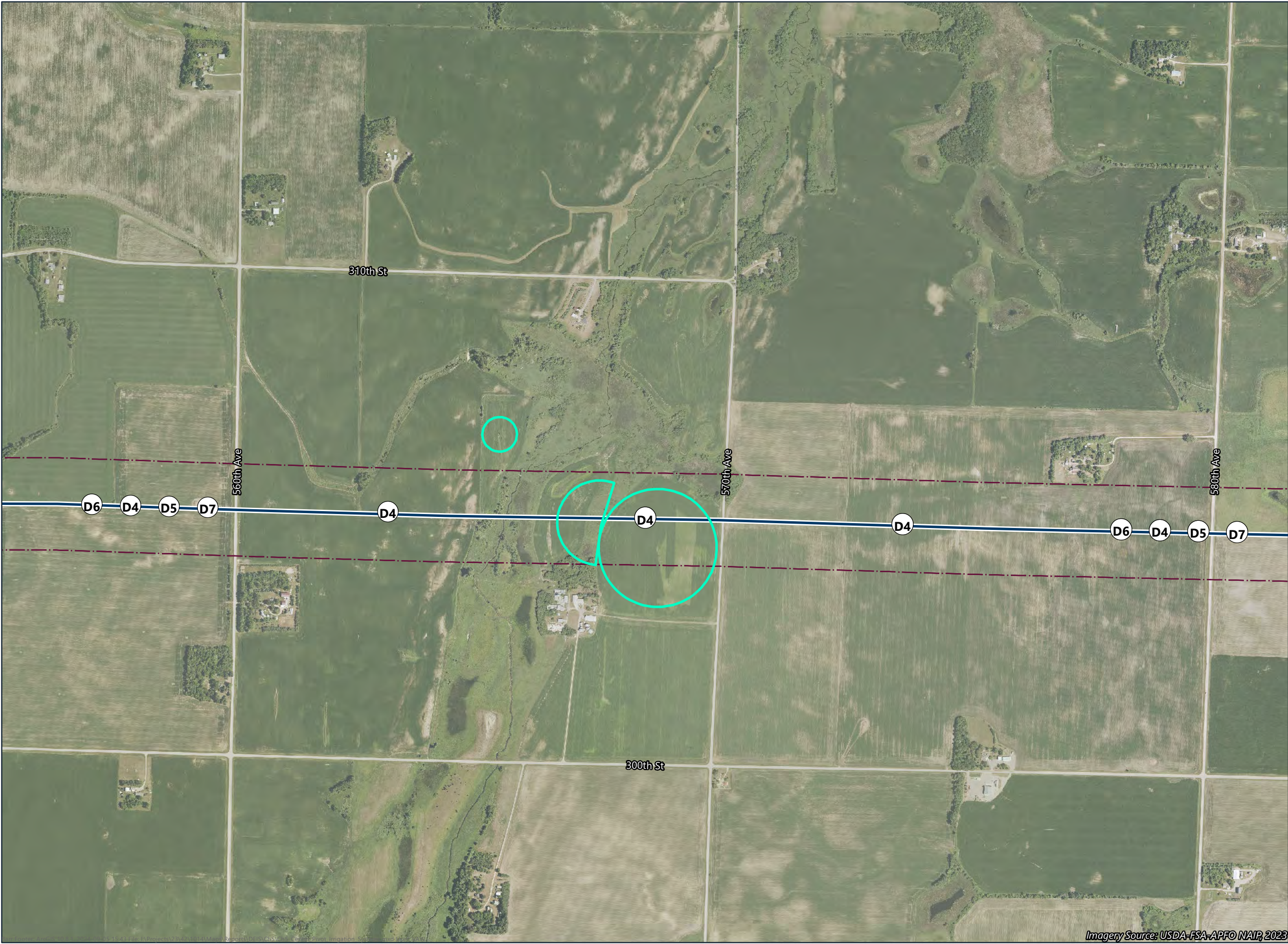
- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment C1 (Purple Route)
- Route Segment (incorporates alternative[s])
- Route Width
- Center Pivot Irrigation System



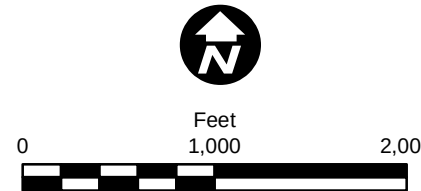
**CENTER PIVOT
IRRIGATION SYSTEMS**
Minnesota Energy
Connection Project

Map 11-4

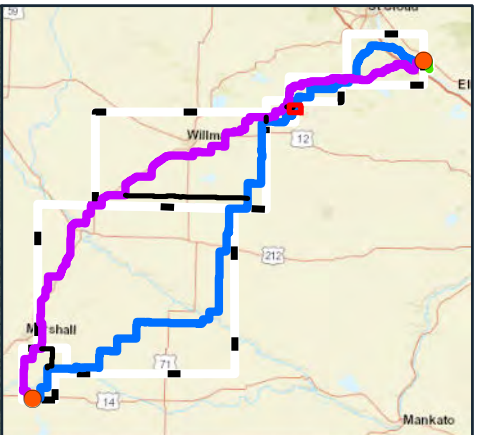
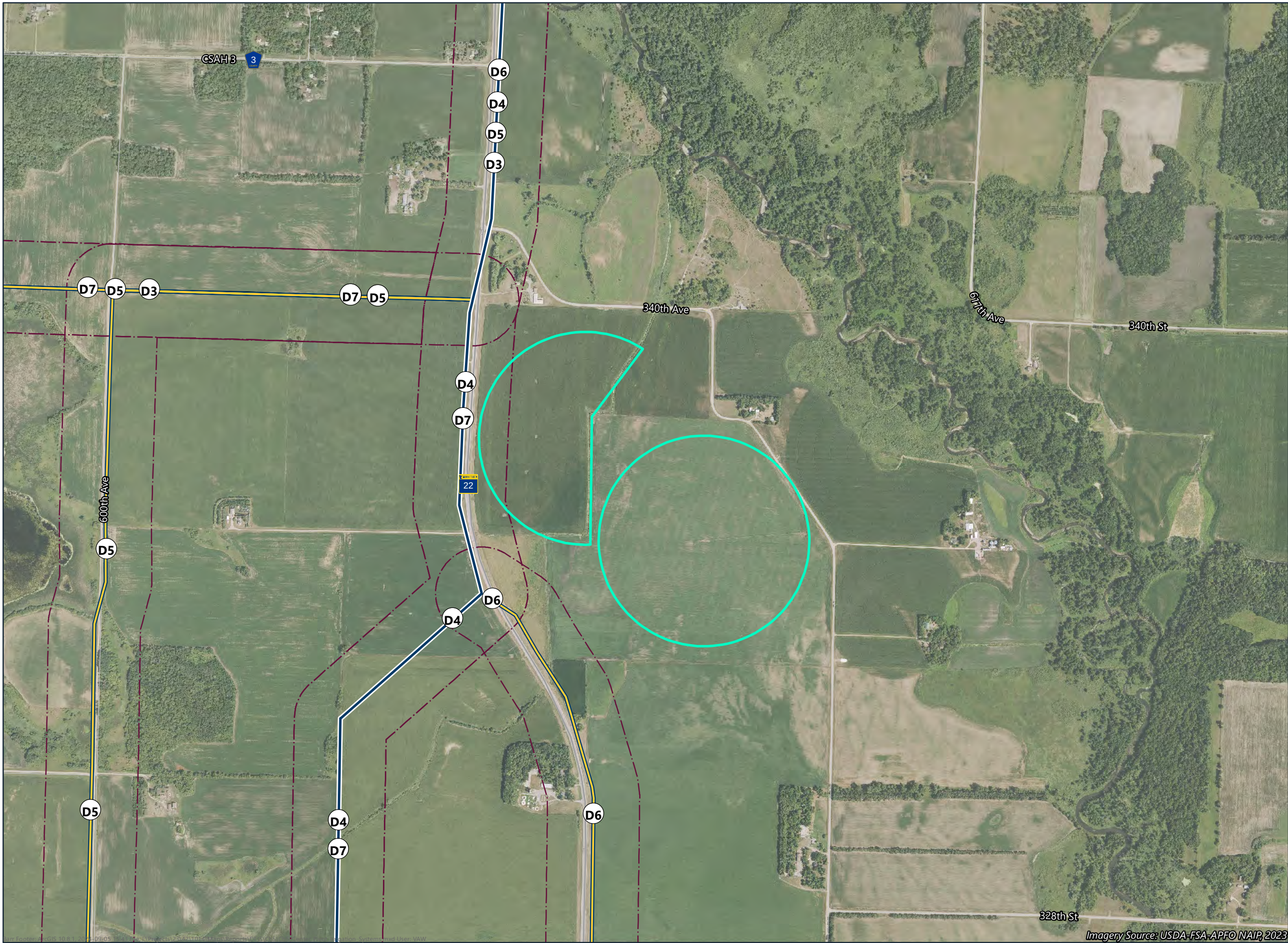
Imagery Source: USDA-FSA-APFO NAIR, 2023



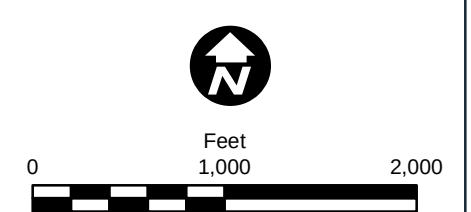
- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment D4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Route Width
- Center Pivot Irrigation System

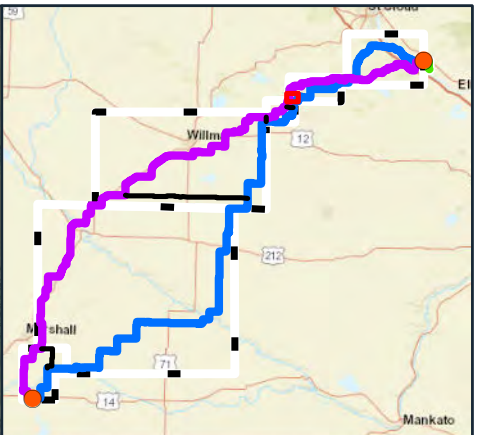
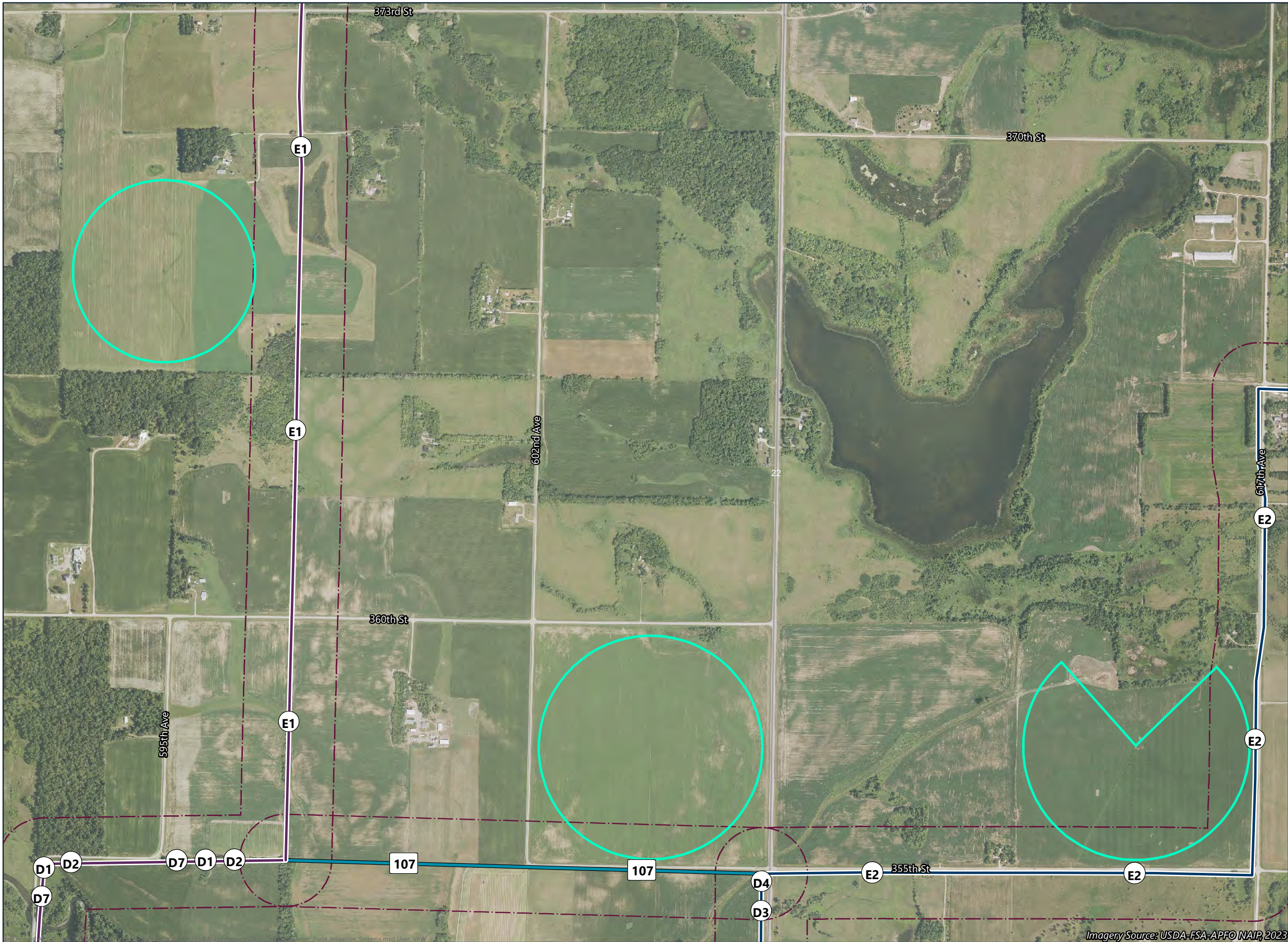


CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

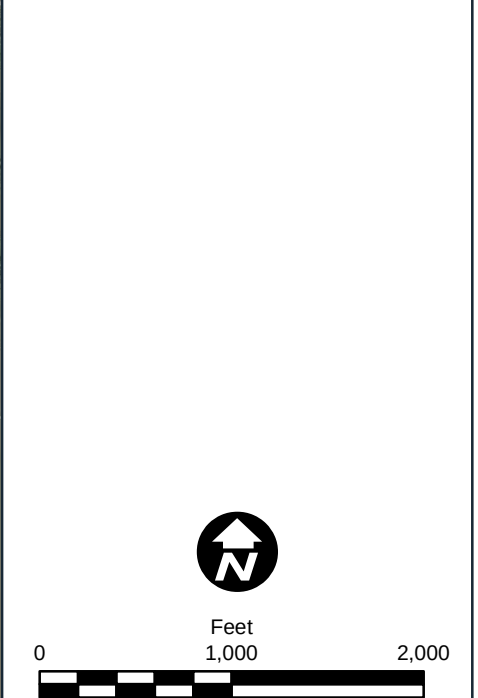


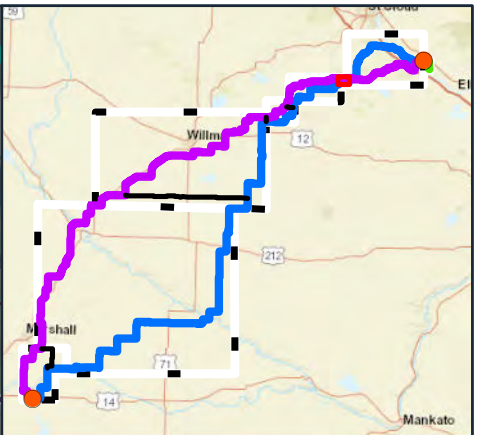
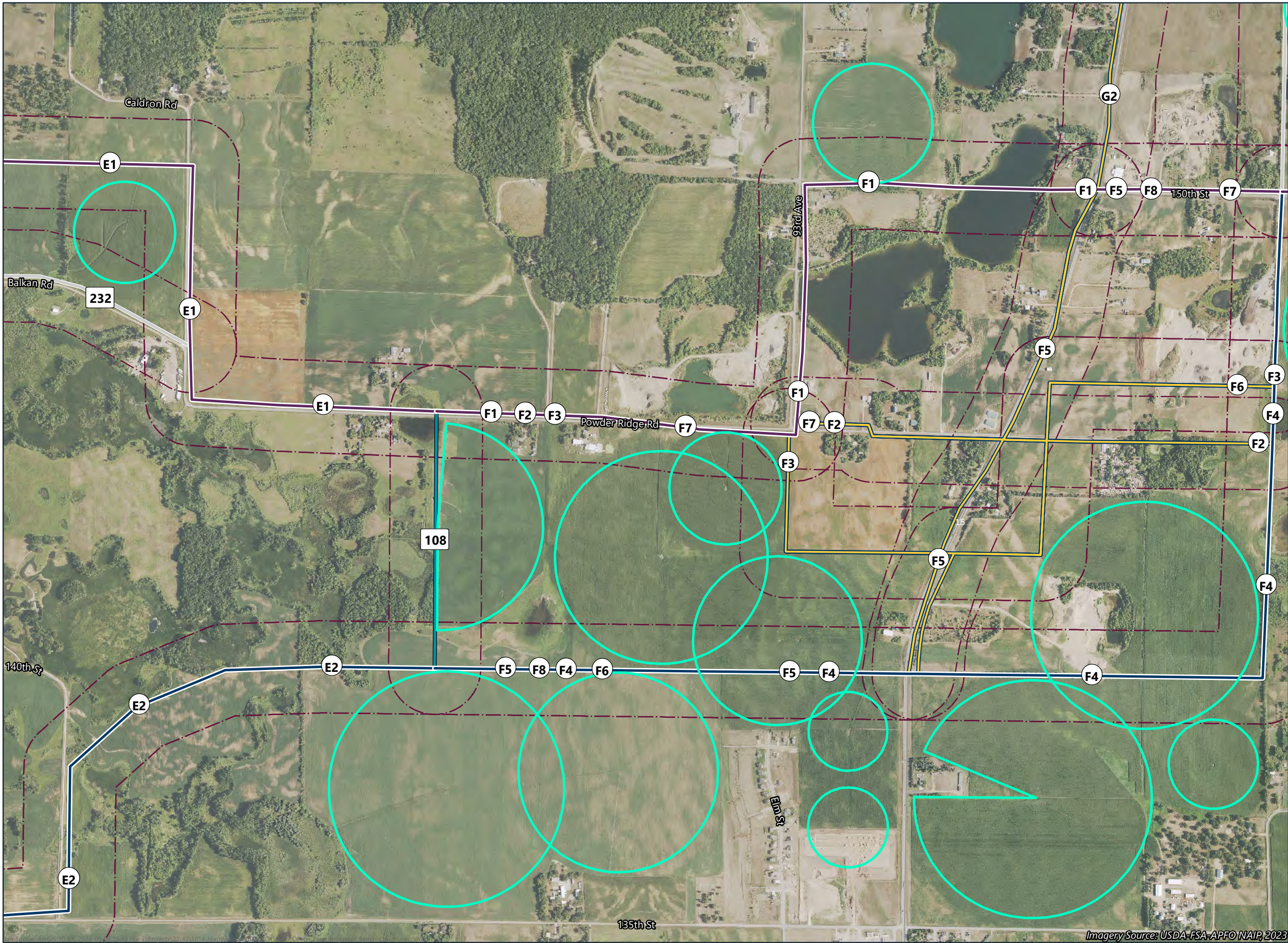
- (A1)** Regional Segment Label
- 200** Refinement Label
- Route Segment D4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Route Connector
- Route Width
- Center Pivot Irrigation System



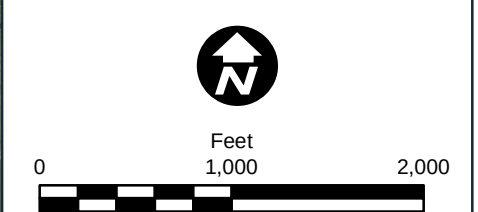


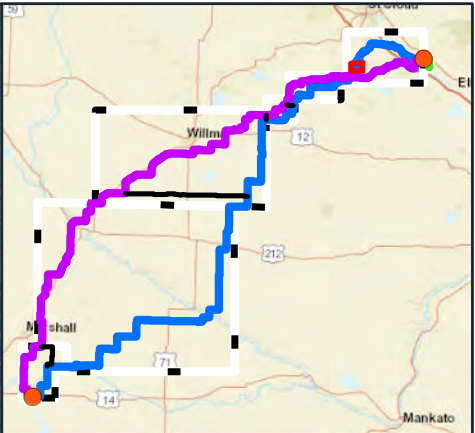
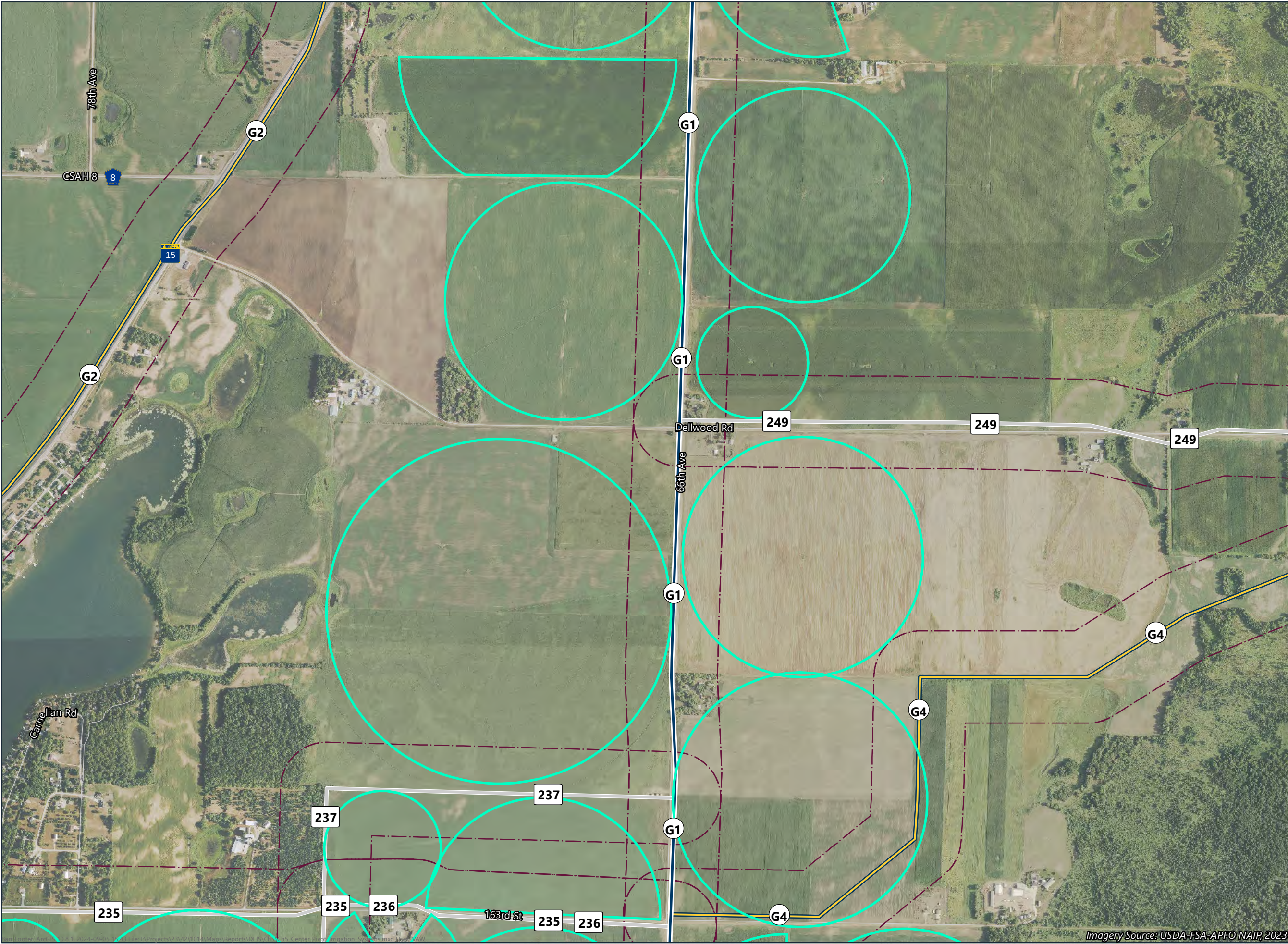
- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment D1 (Purple Route)
- Route Segment D4 (Blue Route)
- Route Segment E1 (Purple Route)
- Route Segment E2 (Blue Route)
- Route Segment (incorporates alternative[s])
- Route Connector
- Route Width
- Center Pivot Irrigation System



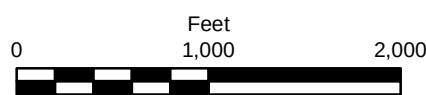


- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment E1 (Purple Route)
- Route Segment E2 (Blue Route)
- Route Segment F1 (Purple Route)
- Route Segment F4 (Blue Route)
- Route Segment G1 (Blue Route)
- Route Segment G3 (Purple Route)
- Route Segment (incorporates alternative[s])
-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

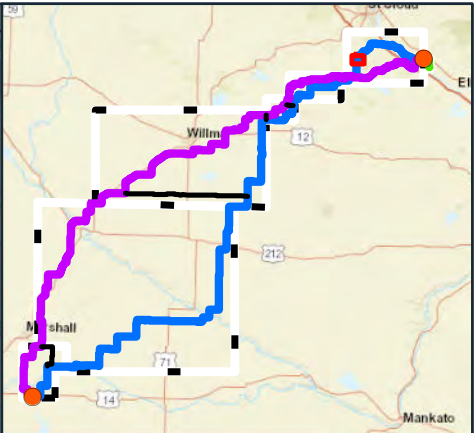
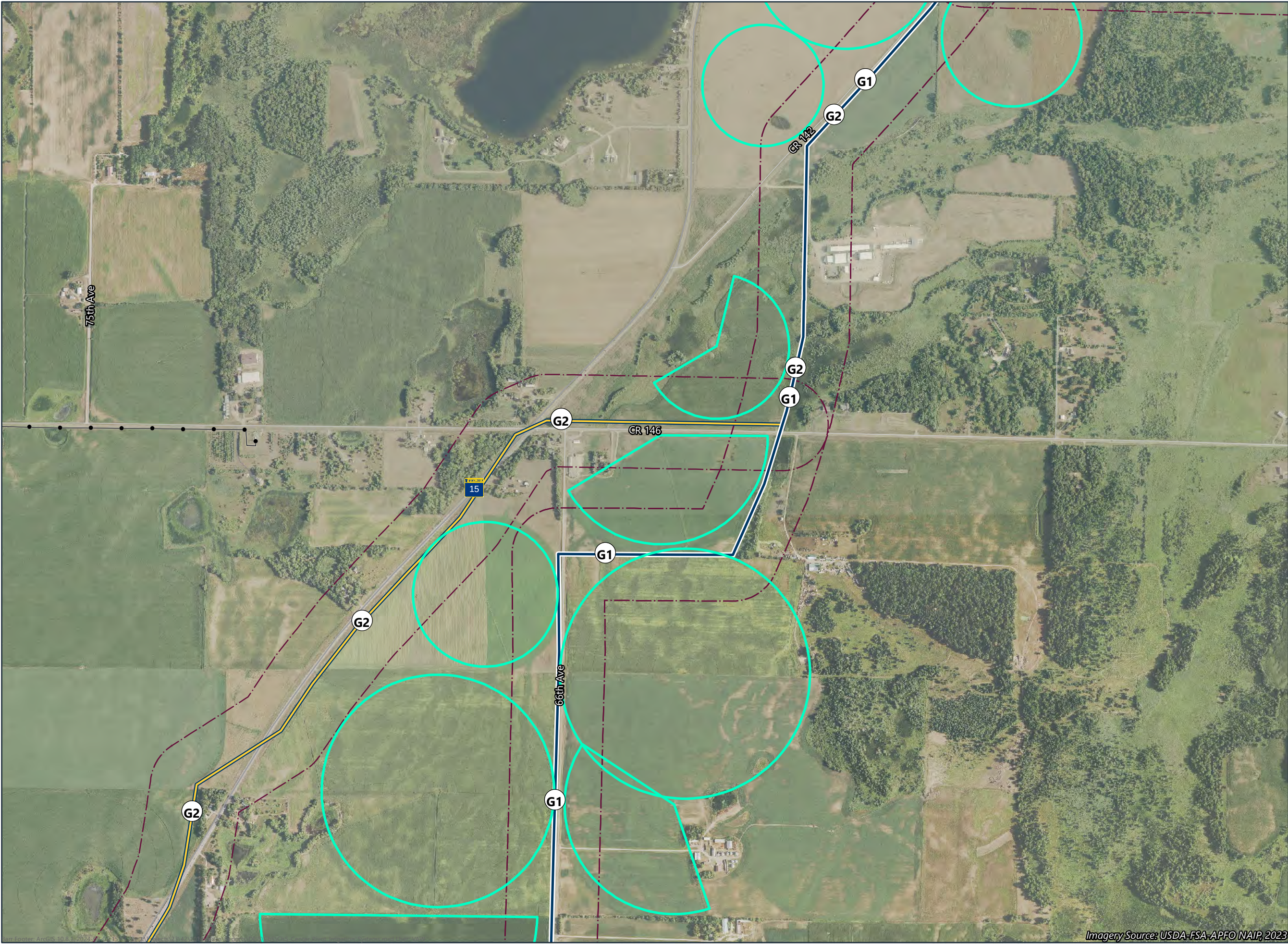




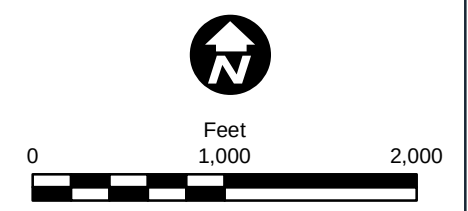
- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- Center Pivot Irrigation System

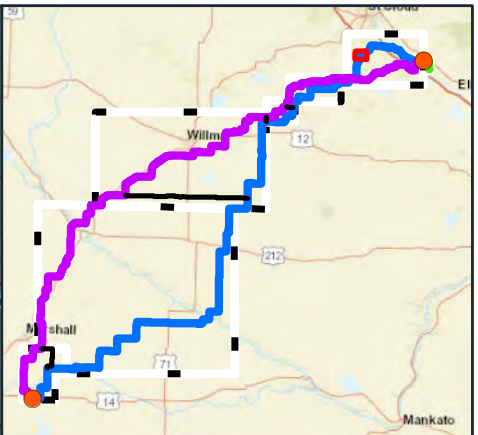
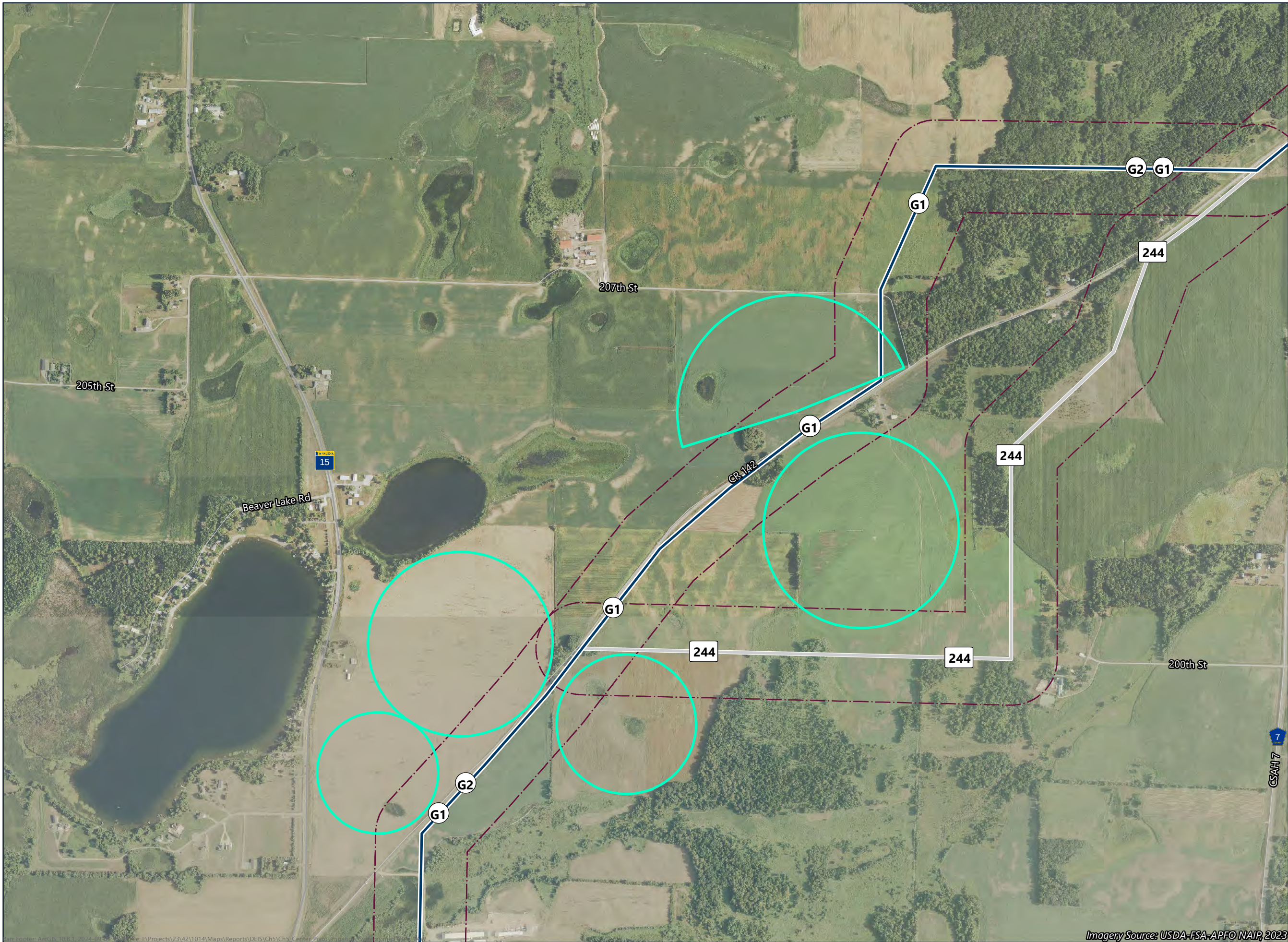


CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

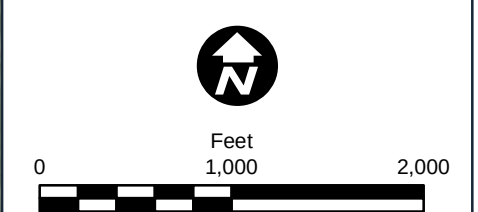


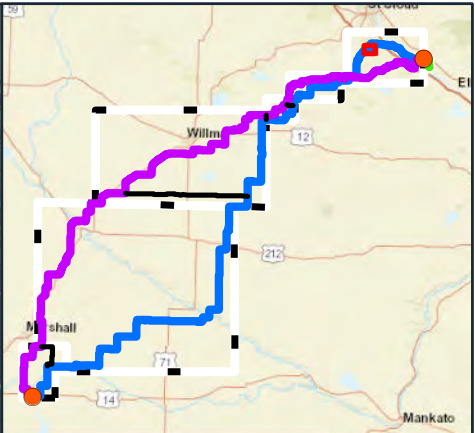
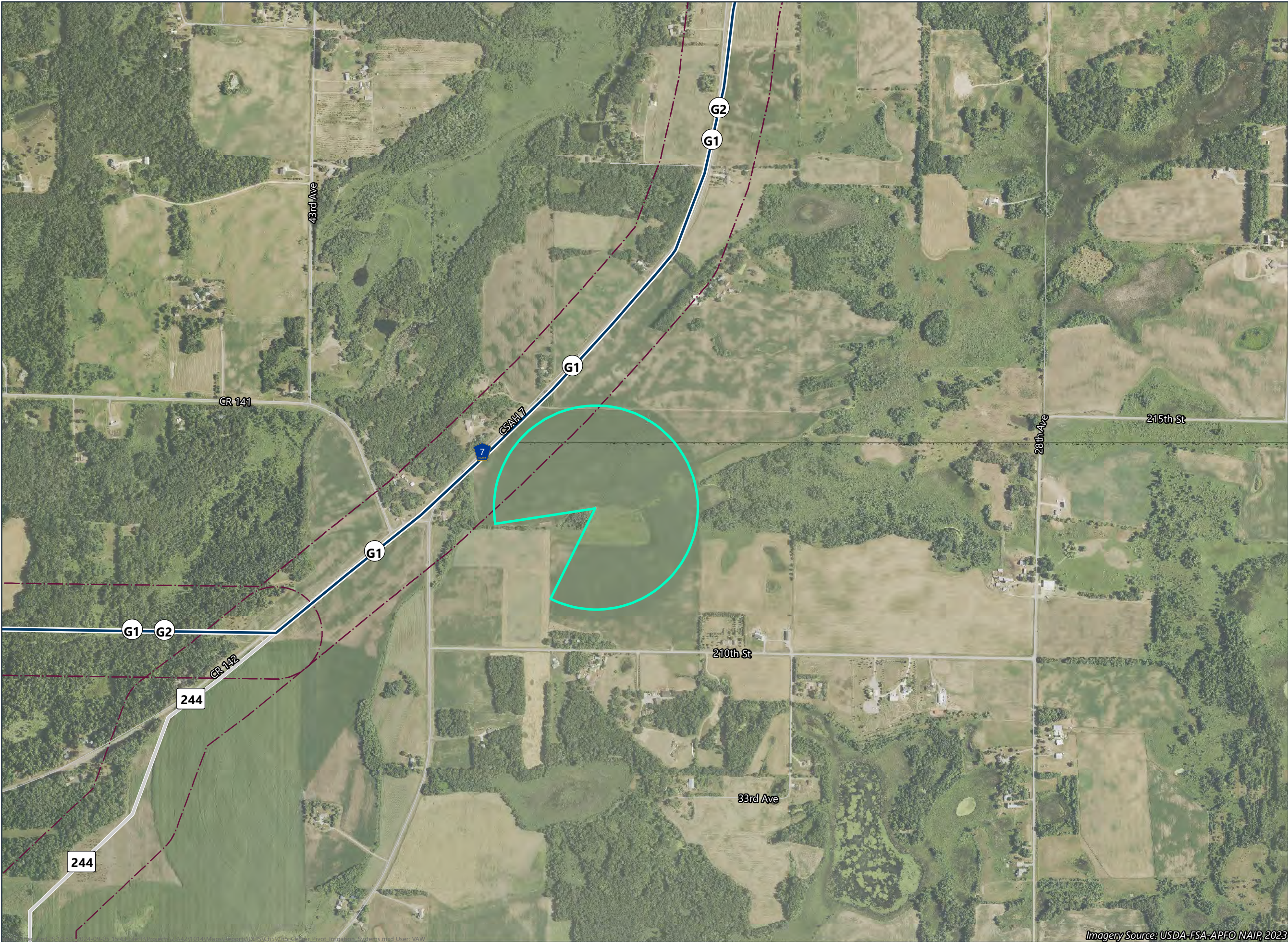
- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment (incorporates alternative[s])
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System



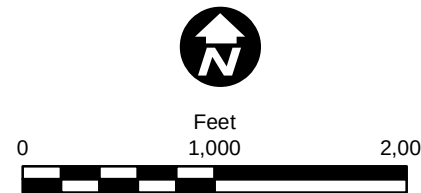


- (A1)** Regional Segment Label
- 200** Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Center Pivot Irrigation System





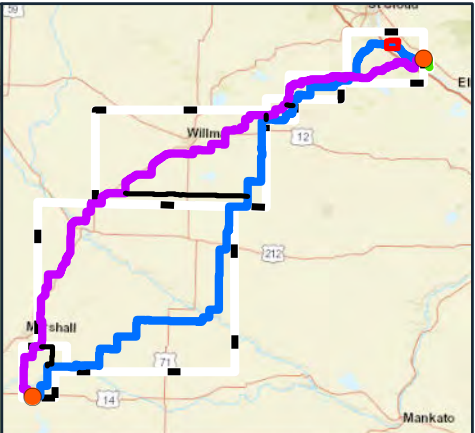
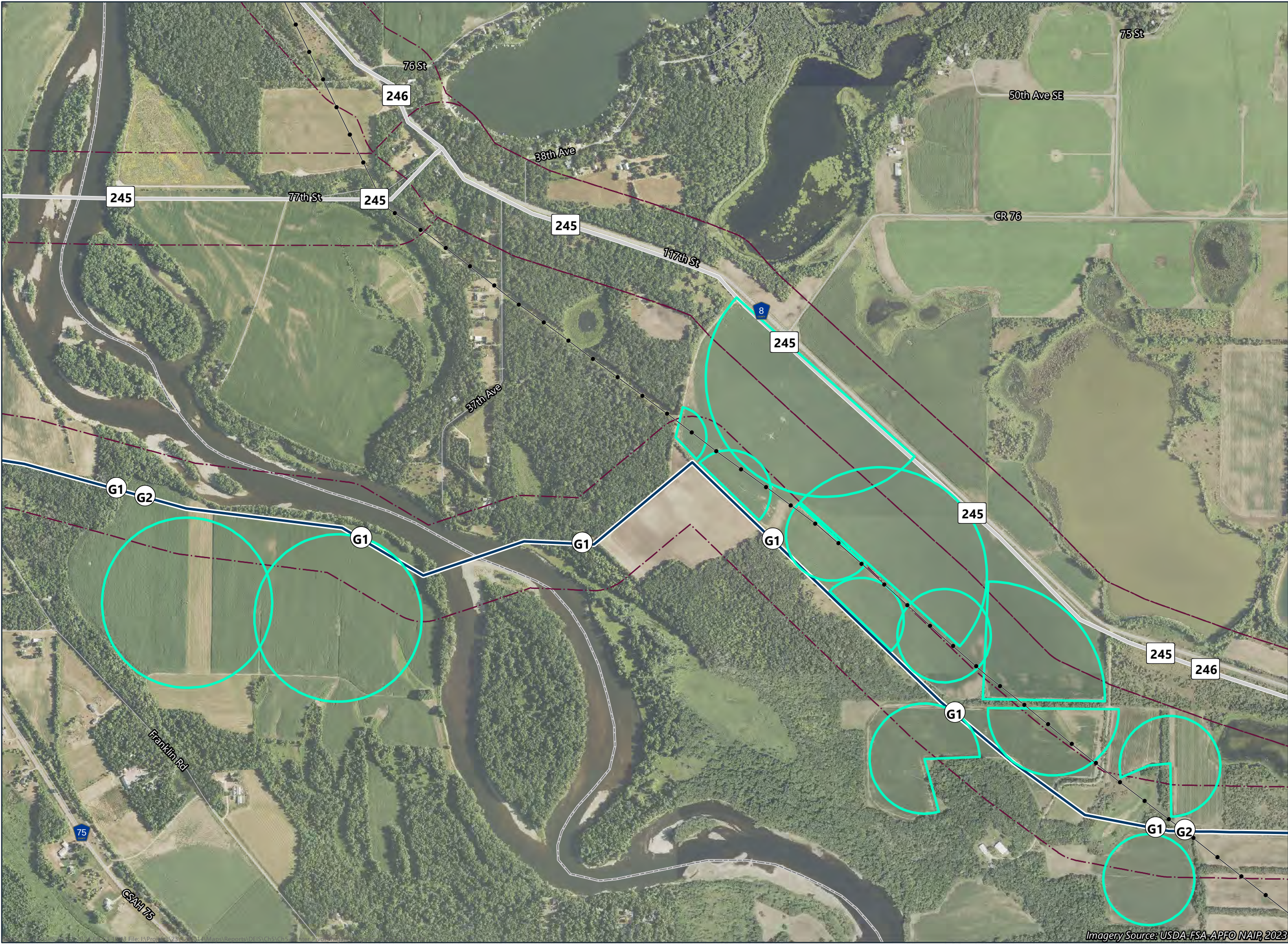
- (A1)** Regional Segment Label
- 200** Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Center Pivot Irrigation System



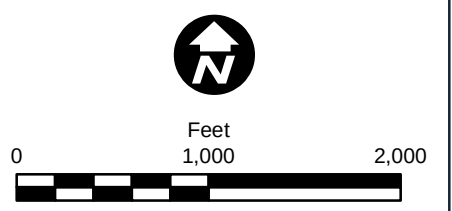
**CENTER PIVOT
IRRIGATION SYSTEMS**
Minnesota Energy
Connection Project

Map 11-13

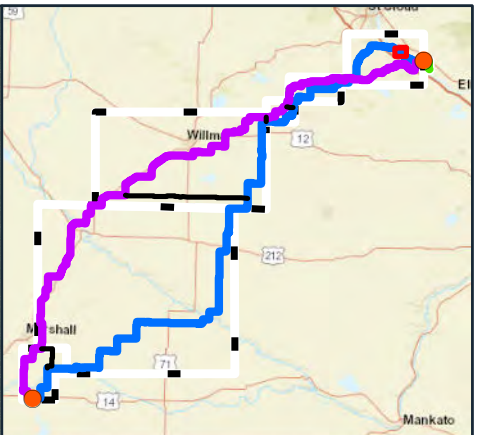
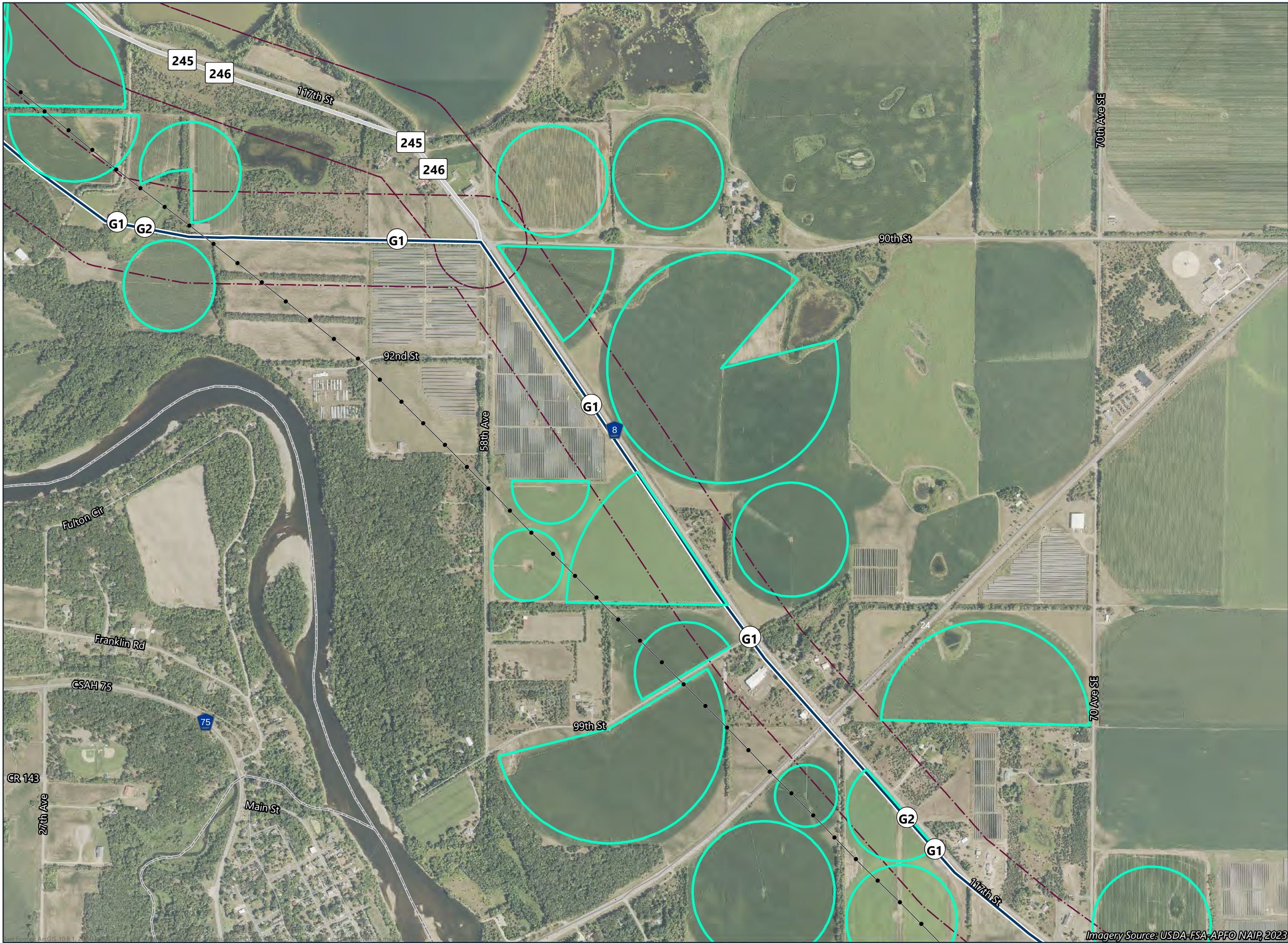
Imagery Source: USDA-FSA-APFO NAIP, 2023



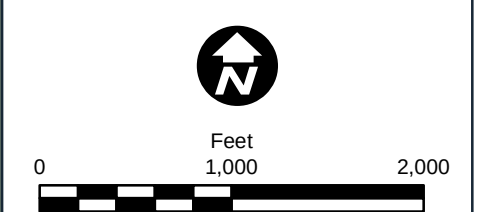
- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System

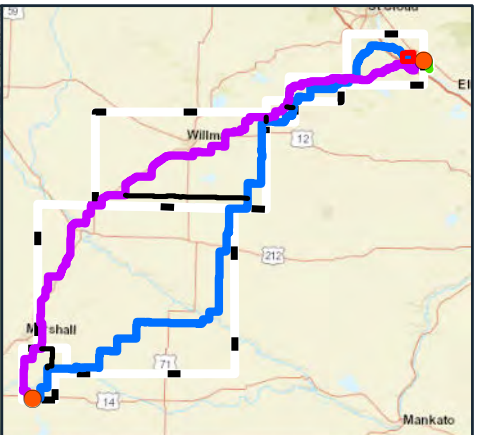


Imagery Source: USDA-FSA-APFO NAIR, 2023

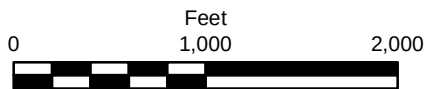


- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System





- (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

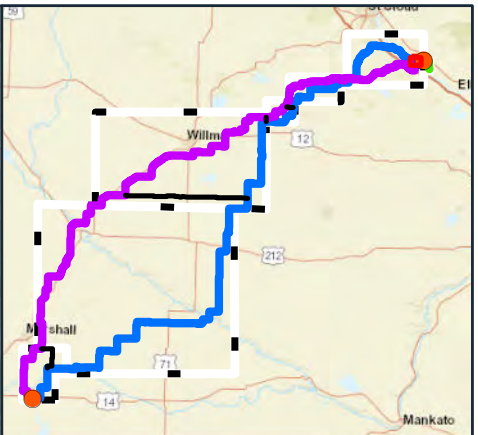
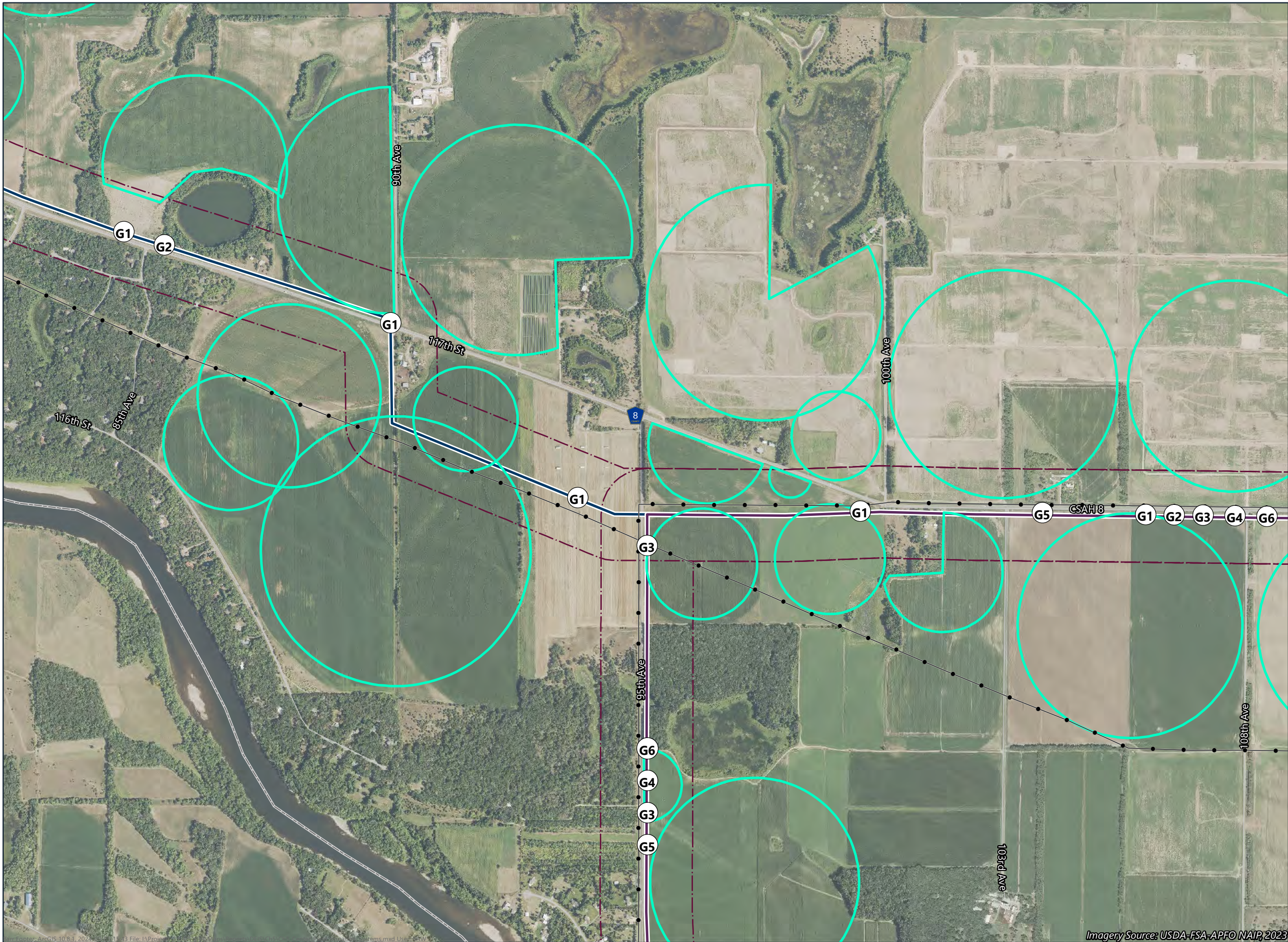


CENTER PIVOT IRRIGATION SYSTEMS
Minnesota Energy Connection Project

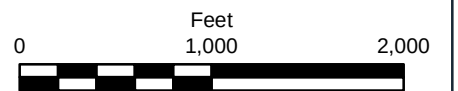
Map 11-17

Imagery Source: USDA-FSA-APFO NAIP, 2023

Center Pivot Irrigation Systems.mxd User: VAW



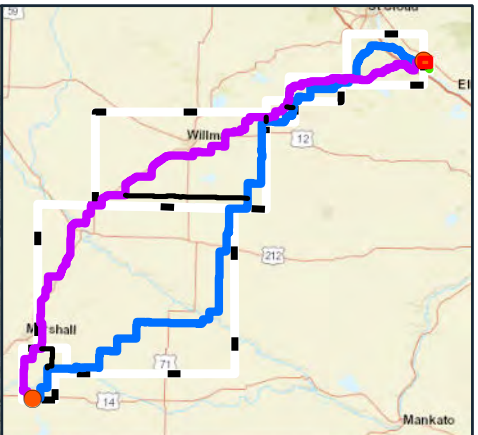
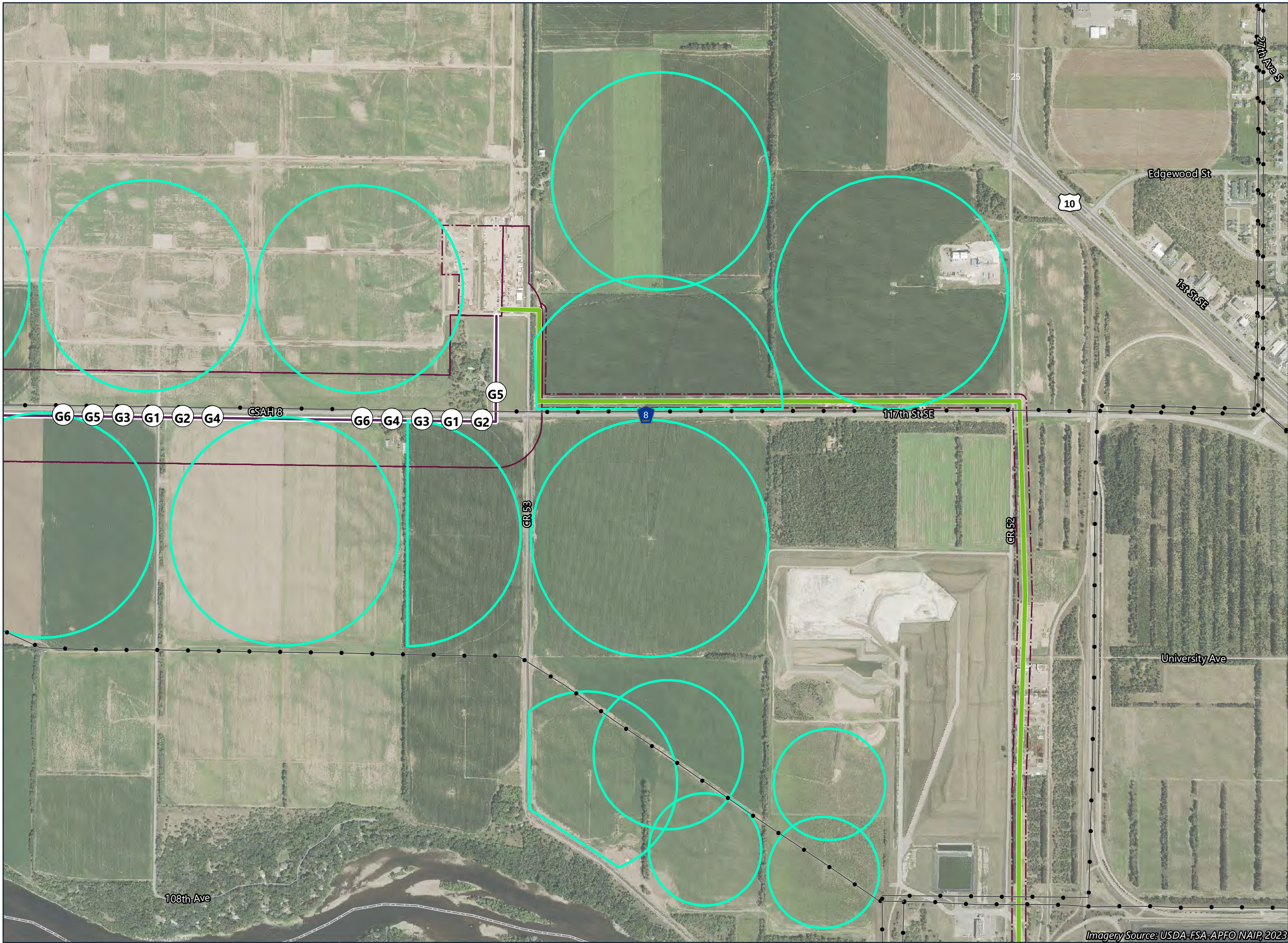
- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment G3 (Purple Route)
- Route Segment (incorporates alternative[s])
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System



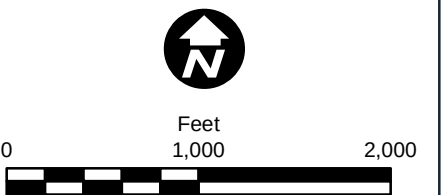
**CENTER PIVOT
IRRIGATION SYSTEMS**
Minnesota Energy
Connection Project

Map 11-18

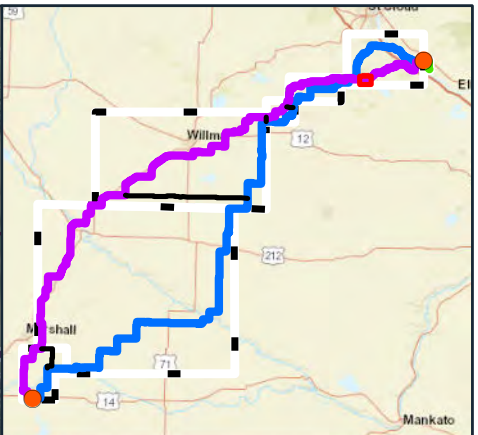
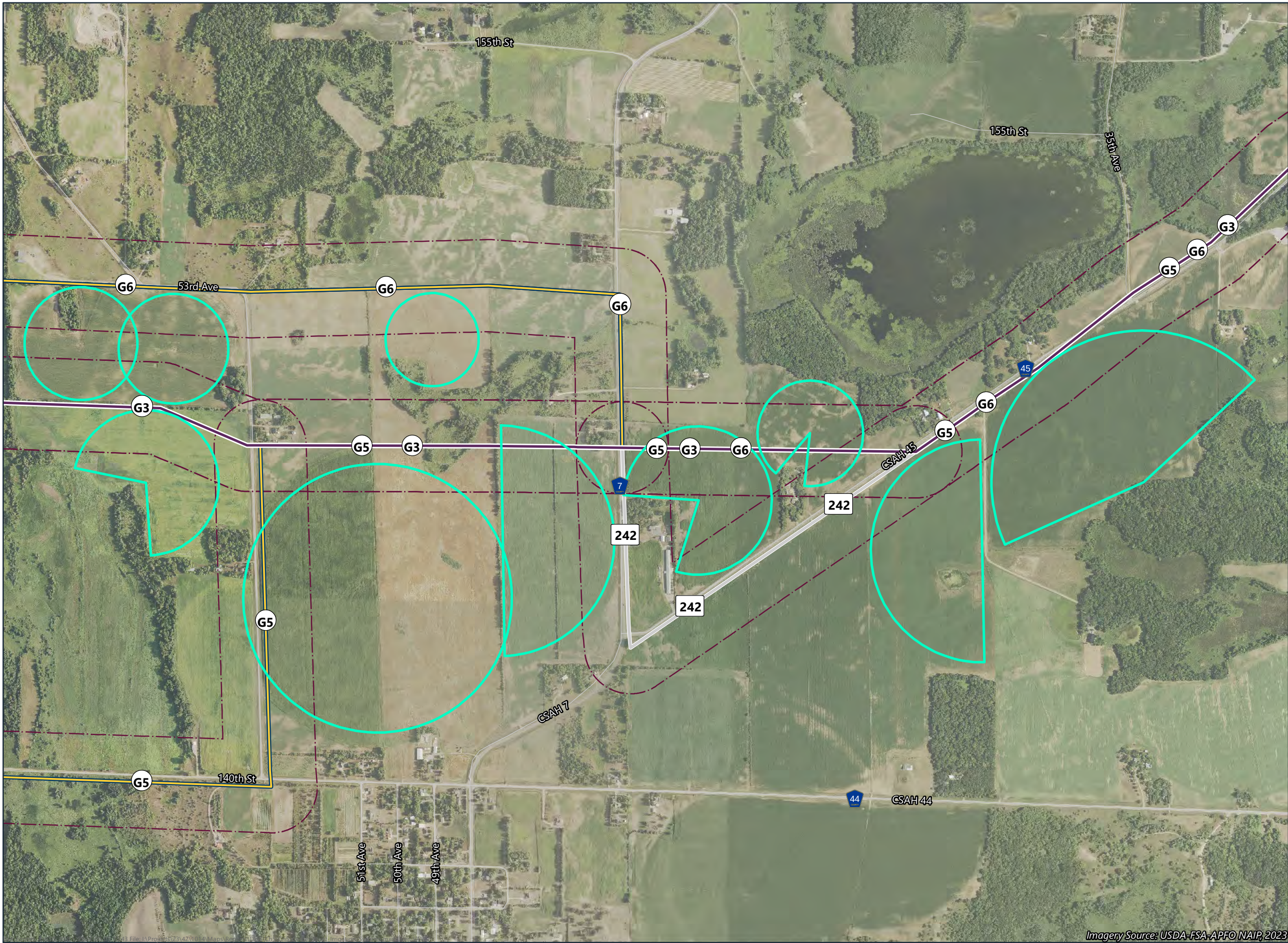
Imagery Source: USDA-FSA-APFO NAIR, 2023



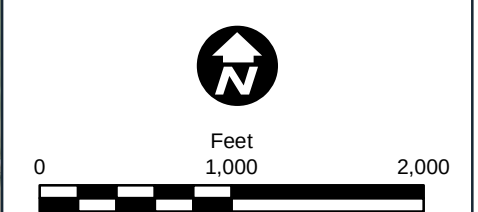
- (A1)** Regional Segment Label
- 200** Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment G3 (Purple Route)
- Green Route Segment
- Route Segment (incorporates alternative[s])
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System

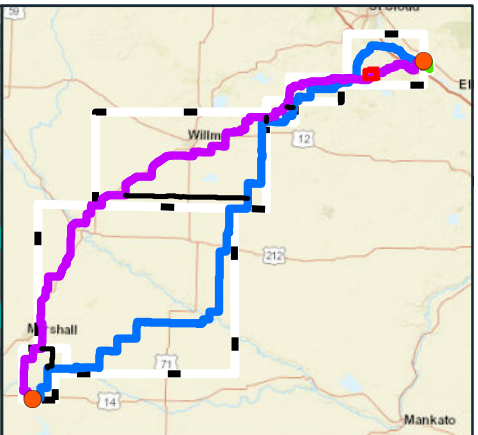
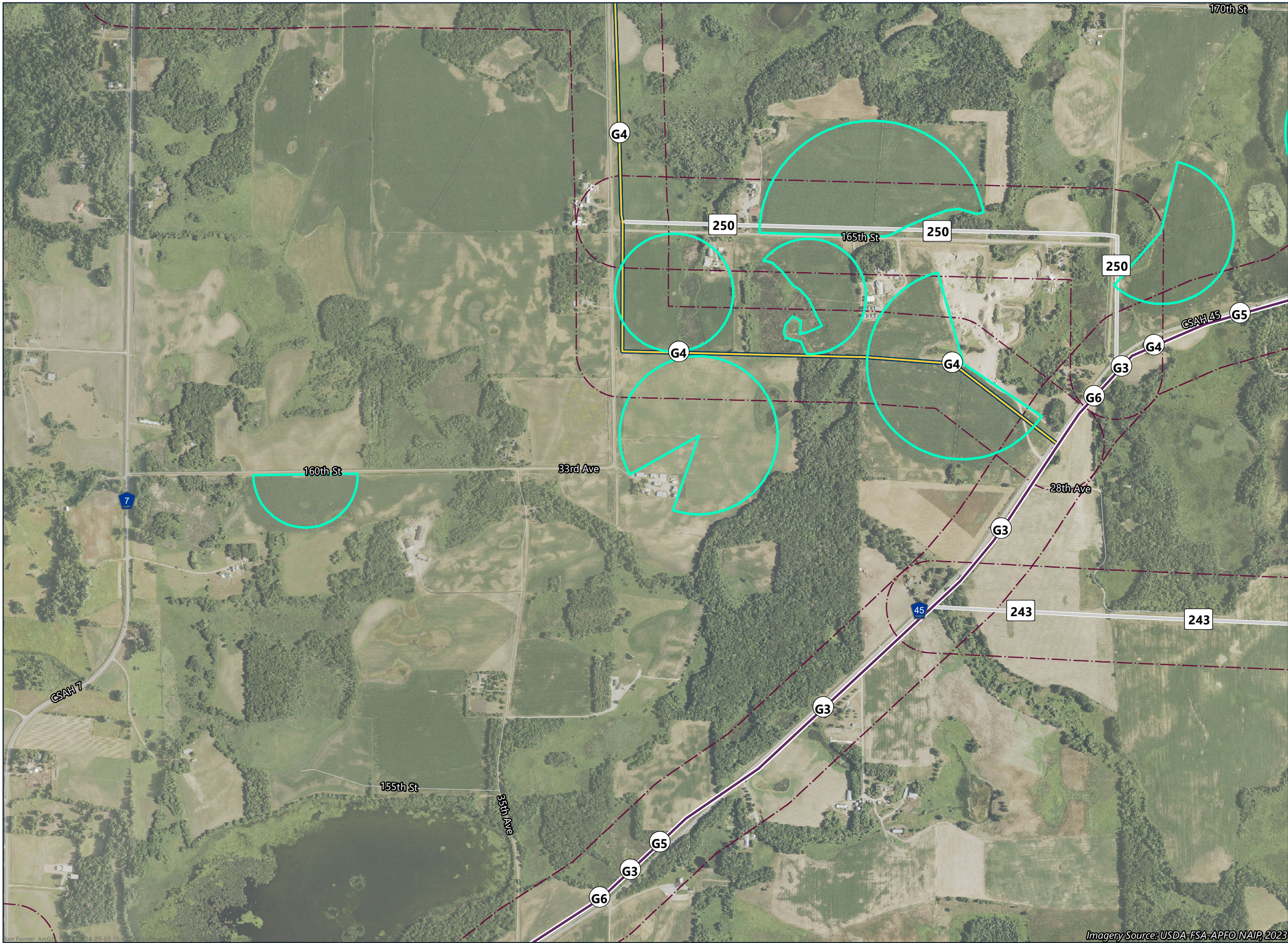


Imagery Source: USDA-FSA-APFO NAIP, 2023

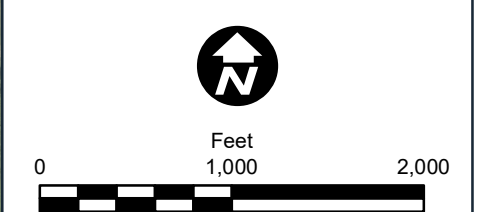


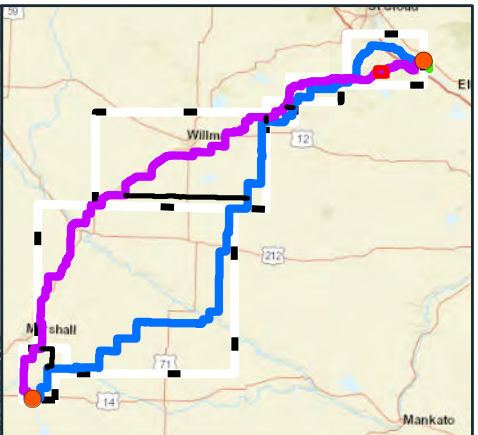
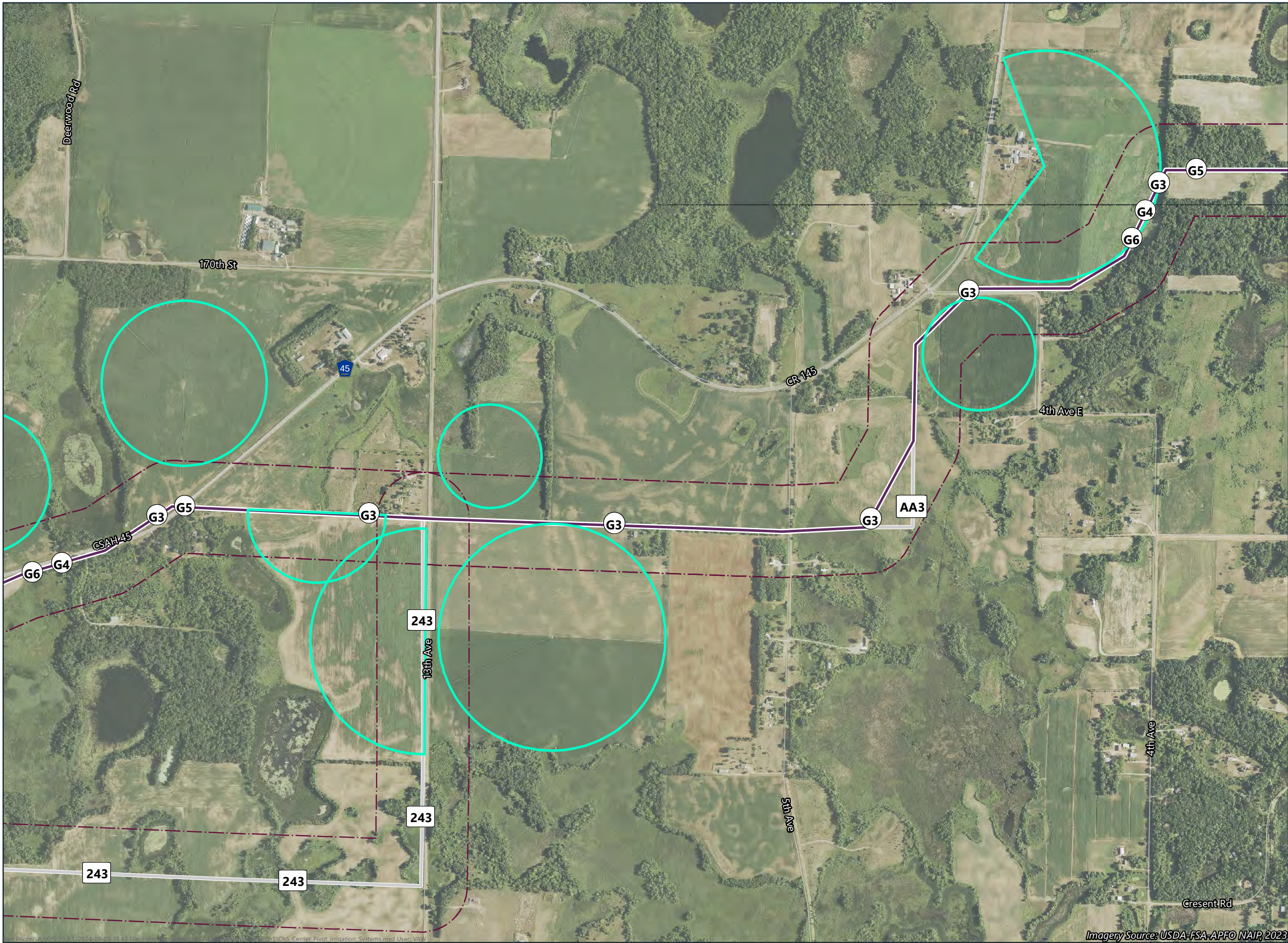
- (A1)** Regional Segment Label
- 200** Refinement Label
- Route Segment G3 (Purple Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- Center Pivot Irrigation System



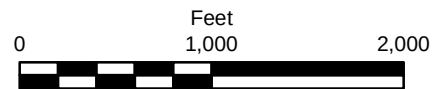


- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment G3 (Purple Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- Center Pivot Irrigation System





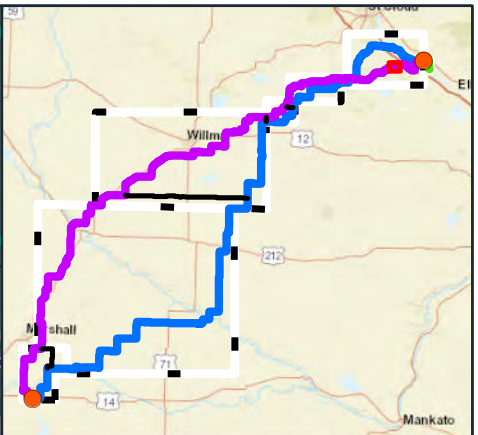
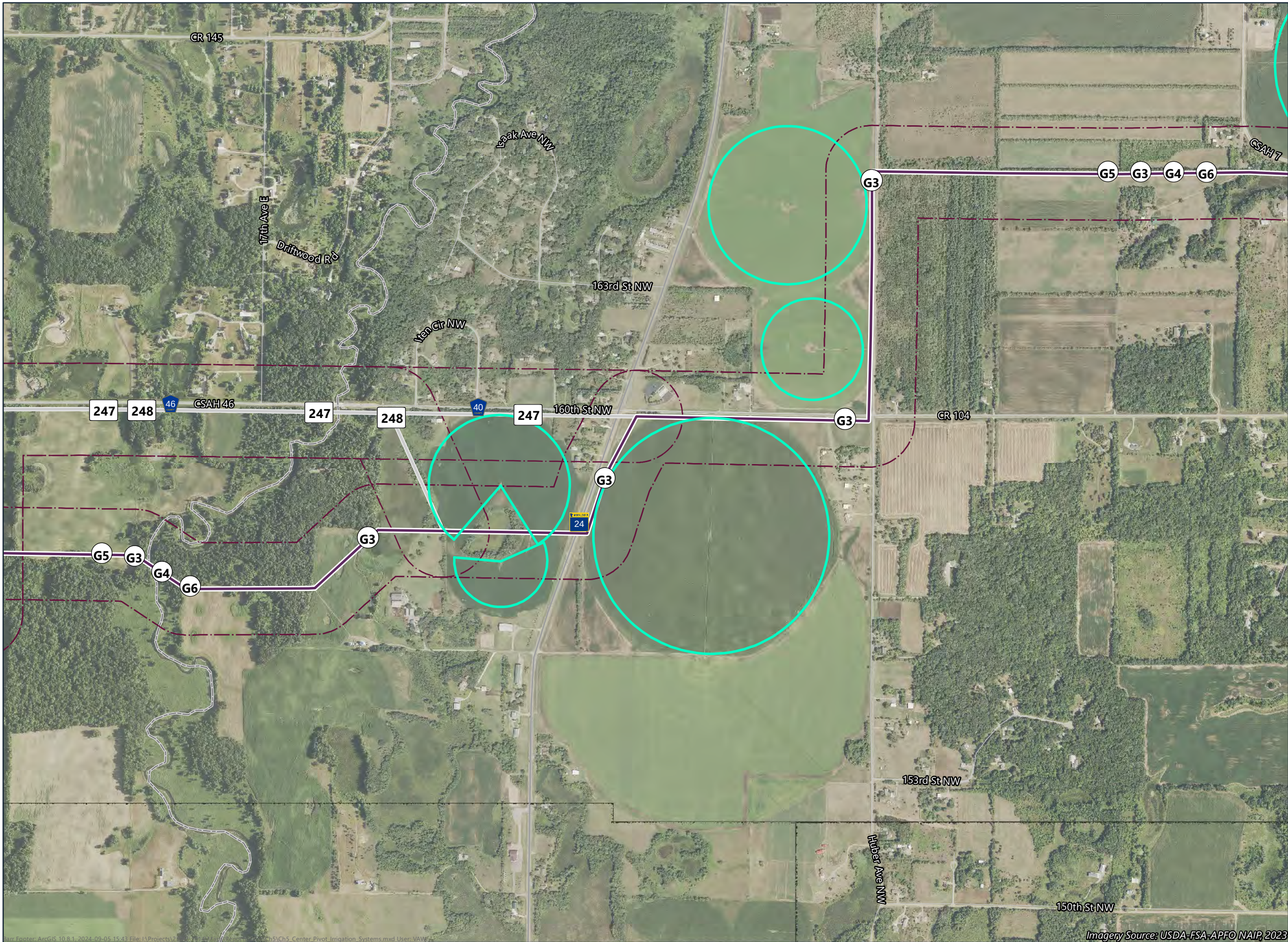
- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment G3 (Purple Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Center Pivot Irrigation System



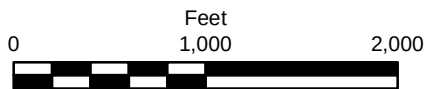
**CENTER PIVOT
IRRIGATION SYSTEMS**
Minnesota Energy
Connection Project

Map 11-22

Imagery Source: USDA-FSA-APFO NAIP, 2023



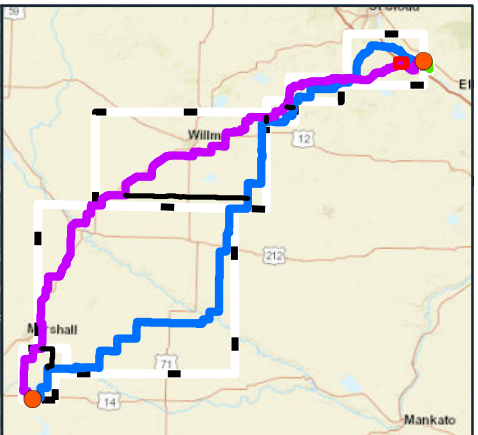
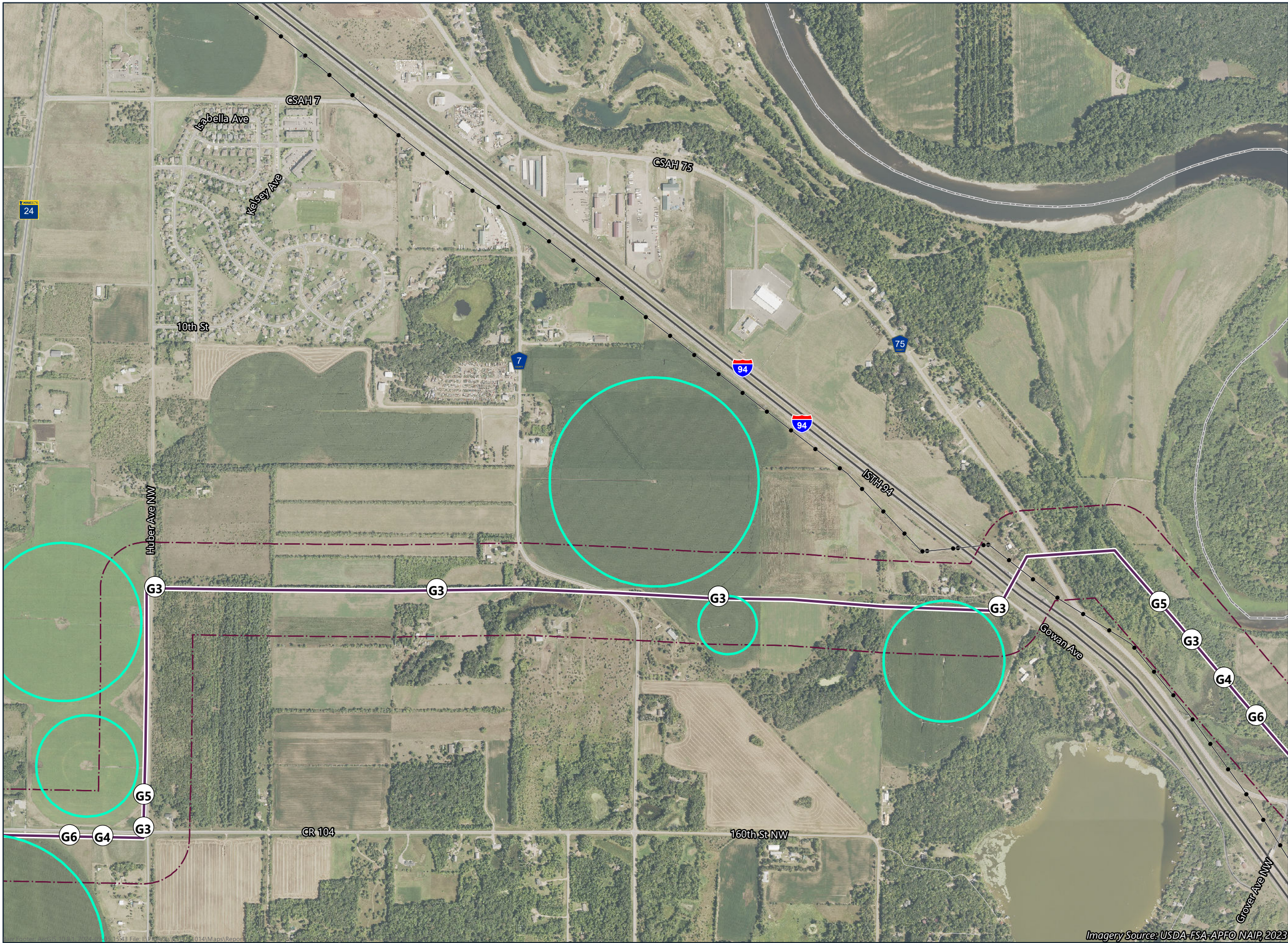
- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment G3 (Purple Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Width
- Center Pivot Irrigation System



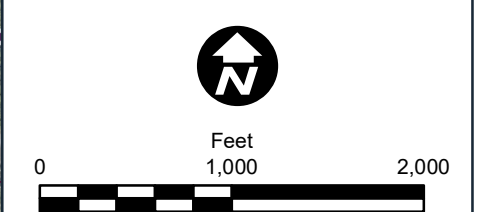
**CENTER PIVOT
IRRIGATION SYSTEMS**
Minnesota Energy
Connection Project

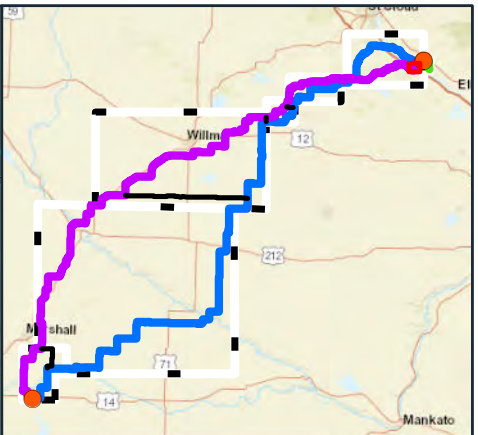
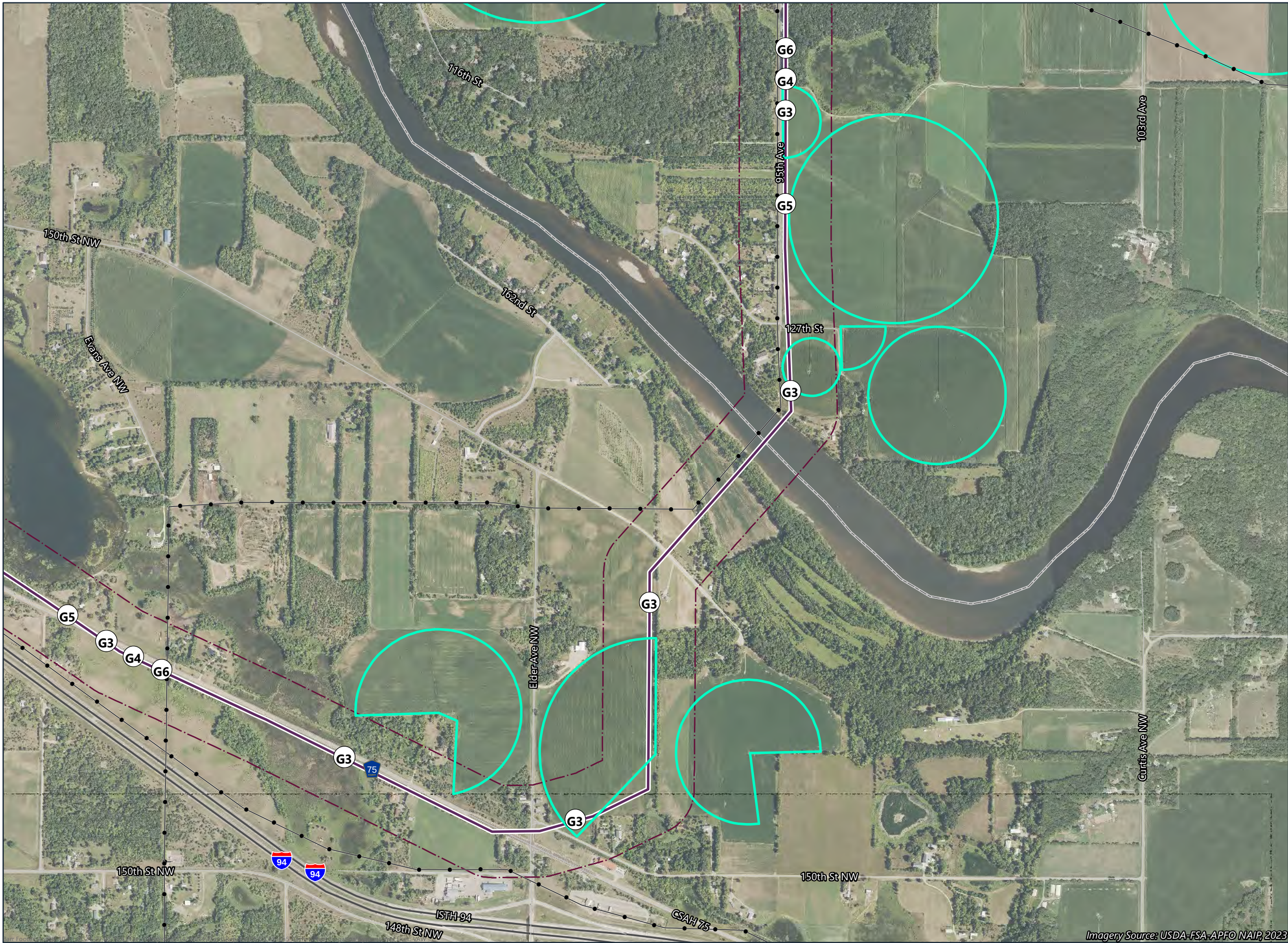
Map 11-23

Imagery Source: USDA-FSA-APFO NAIP, 2023

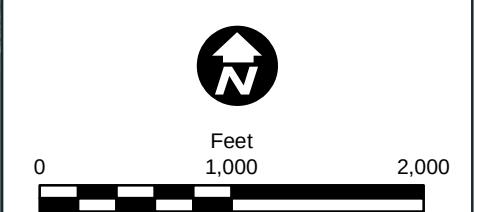


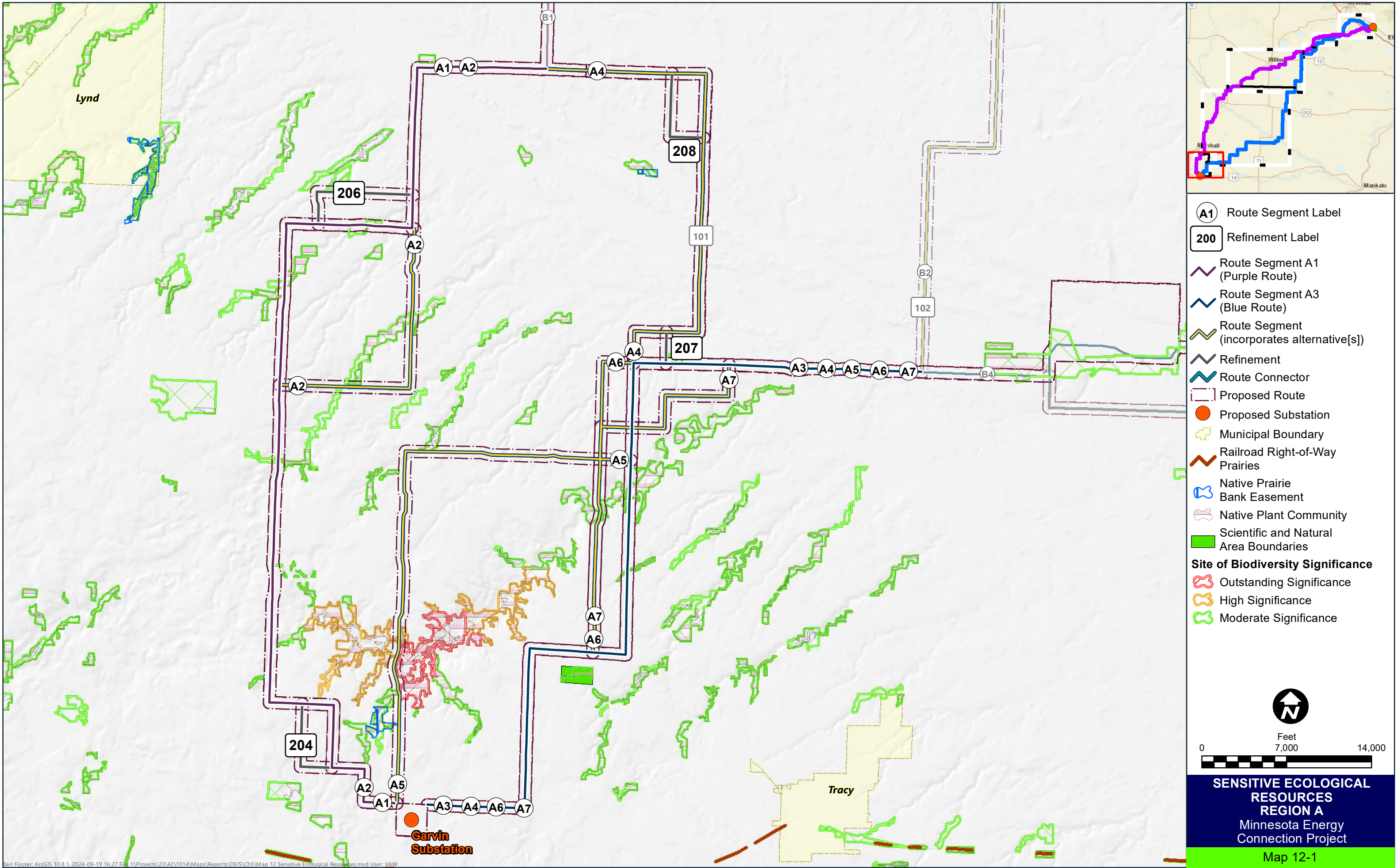
- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment G3 (Purple Route)
- Route Segment (incorporates alternative[s])
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System

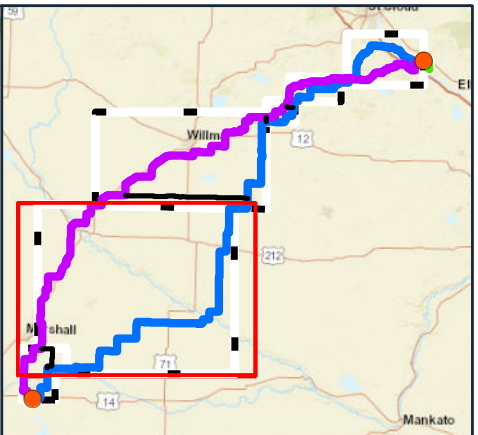
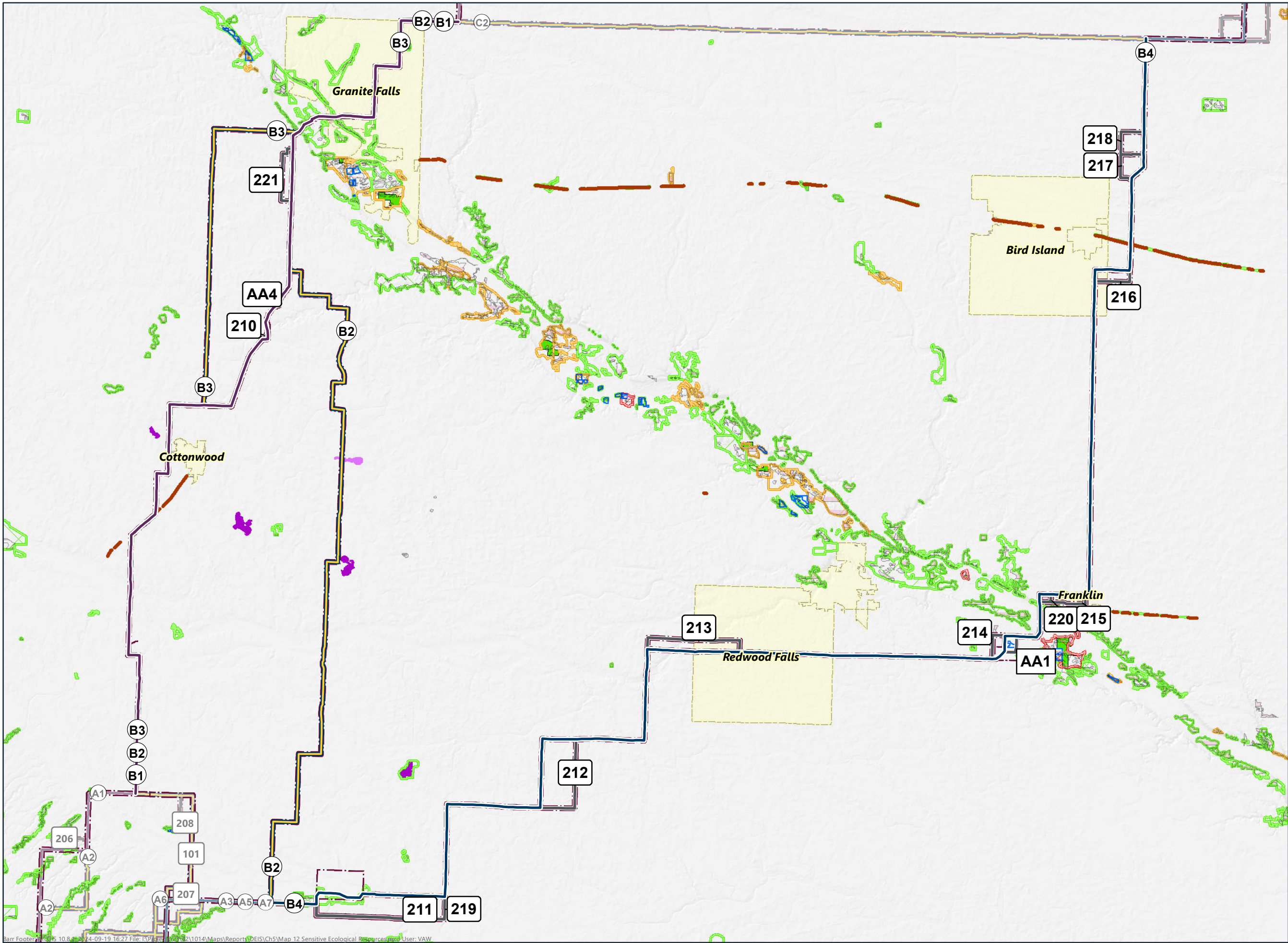




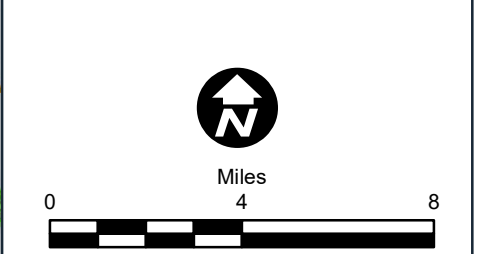
- A1** Regional Segment Label
- 200** Refinement Label
- Route Segment G3 (Purple Route)
- Route Segment (incorporates alternative[s])
- Route Width
- Existing Transmission Line
- Center Pivot Irrigation System

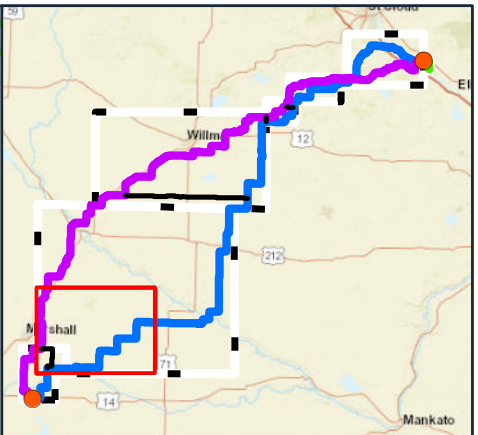
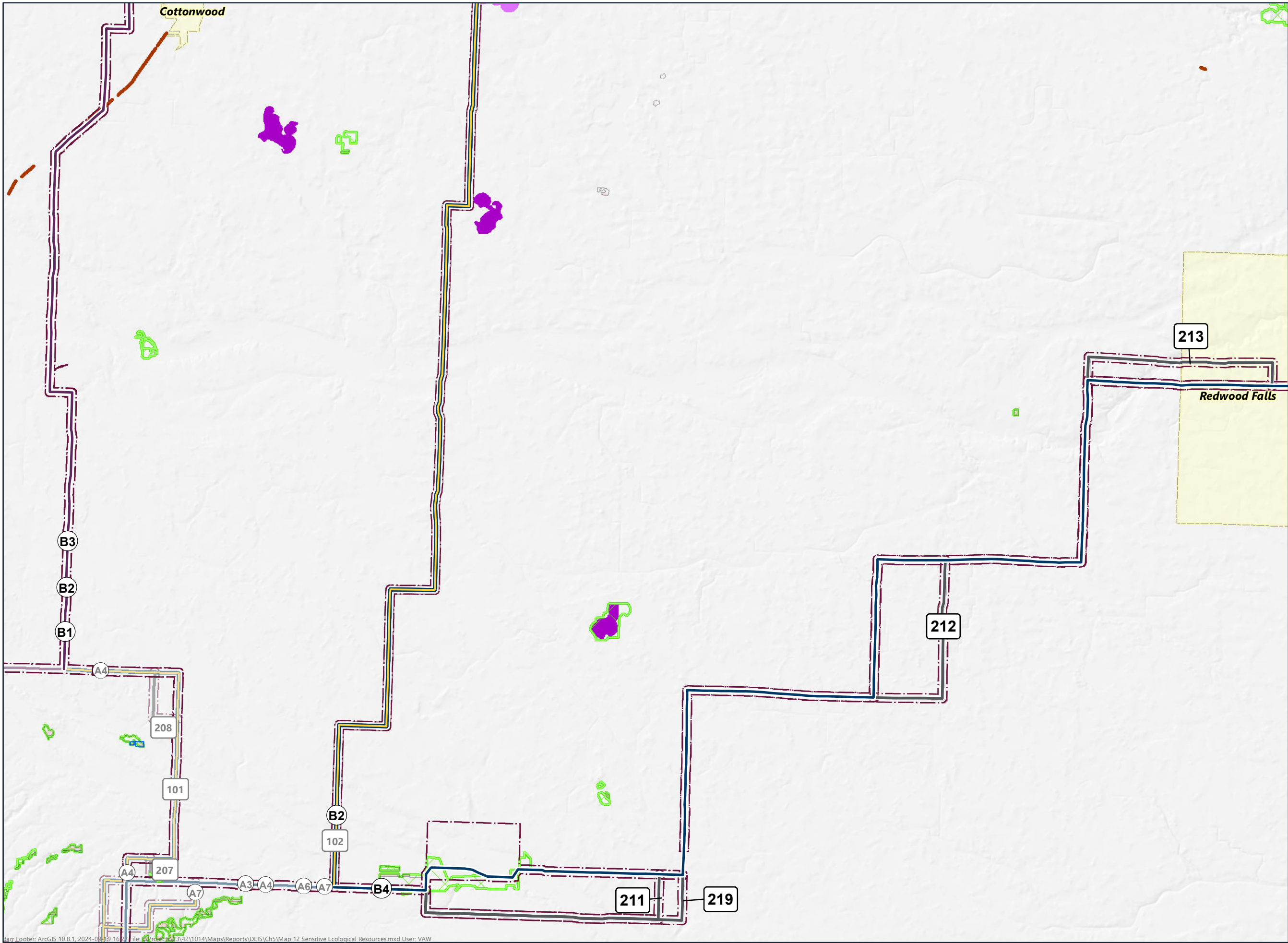






- (A1) Route Segment Label
- 200 Refinement Label
- Route Segment B1 (Purple Route)
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Proposed Route
- Municipal Boundary
- Railroad Right-of-Way
- Prairies
- Native Prairie Bank Easement
- Native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





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

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

0

2

4

Miles

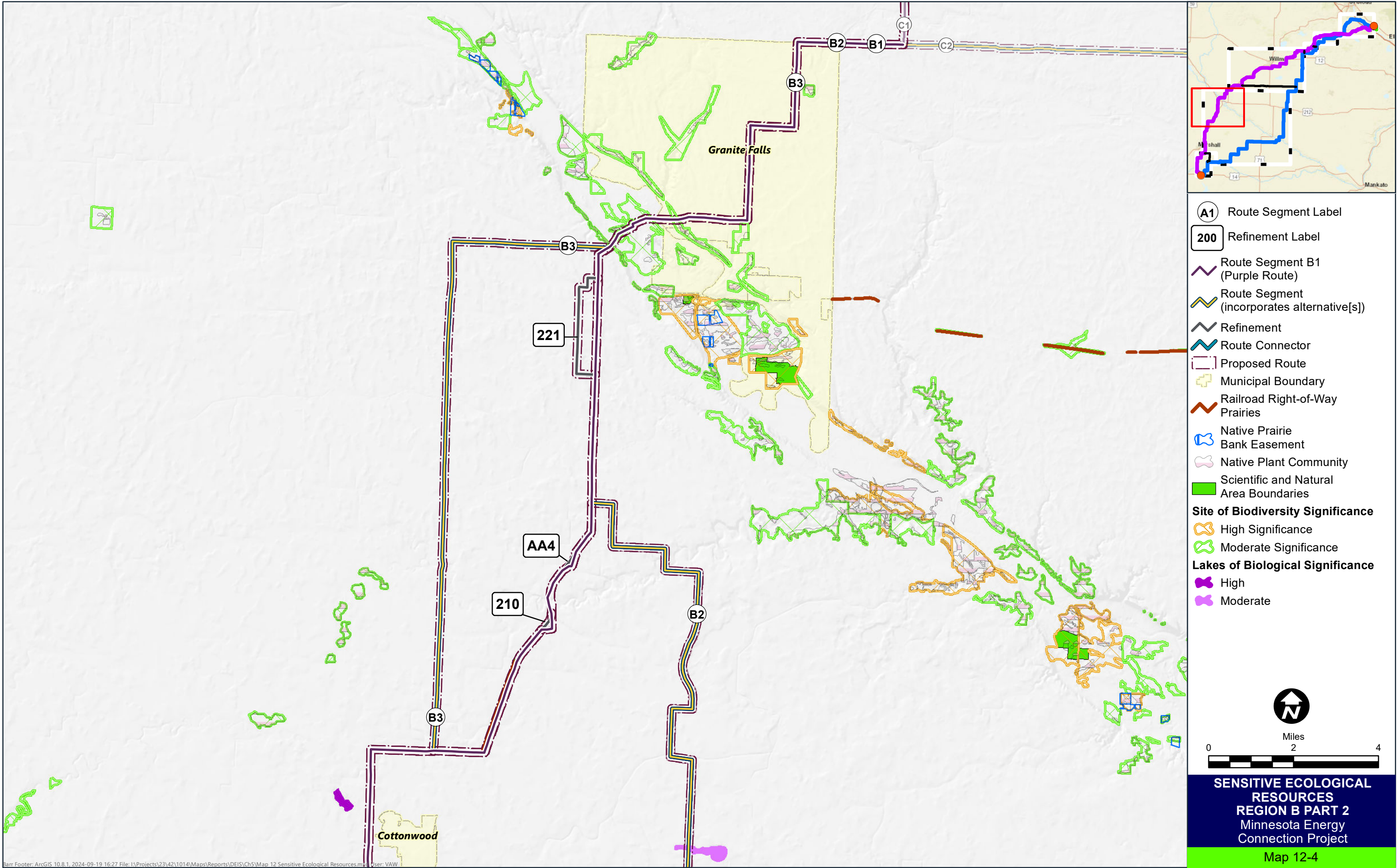
0

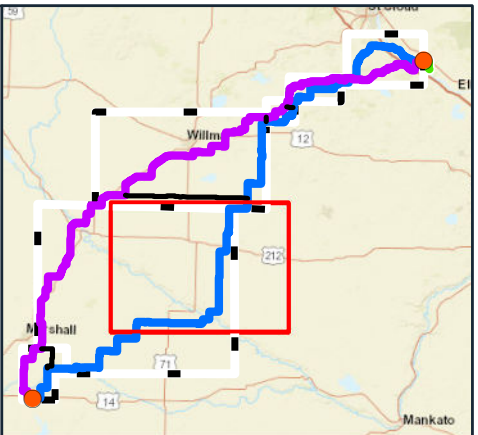
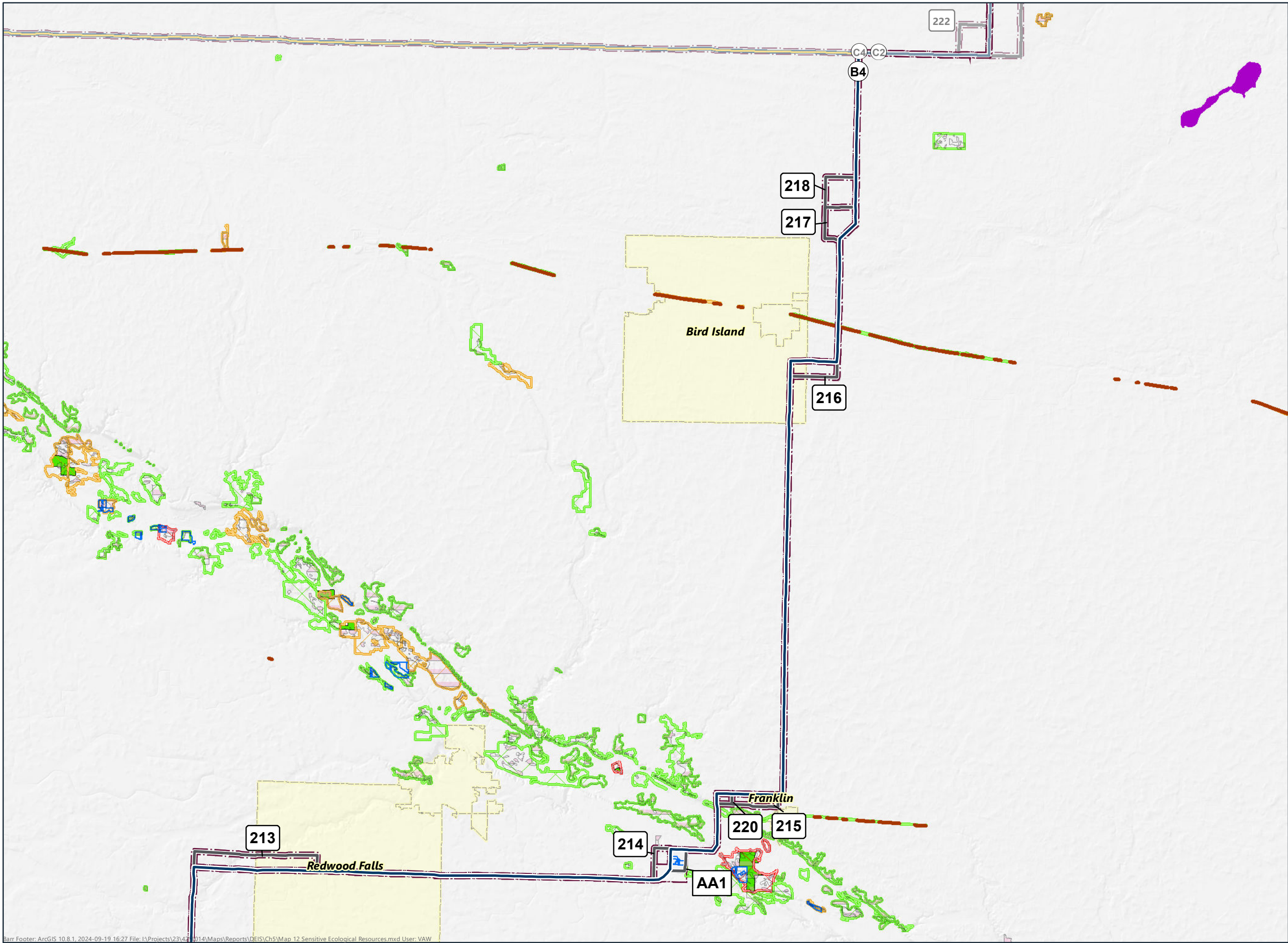
2

4

Miles

0





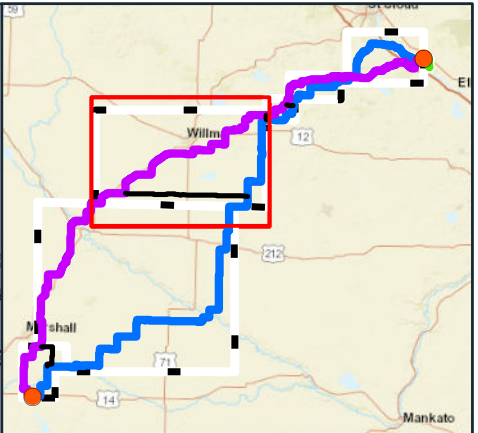
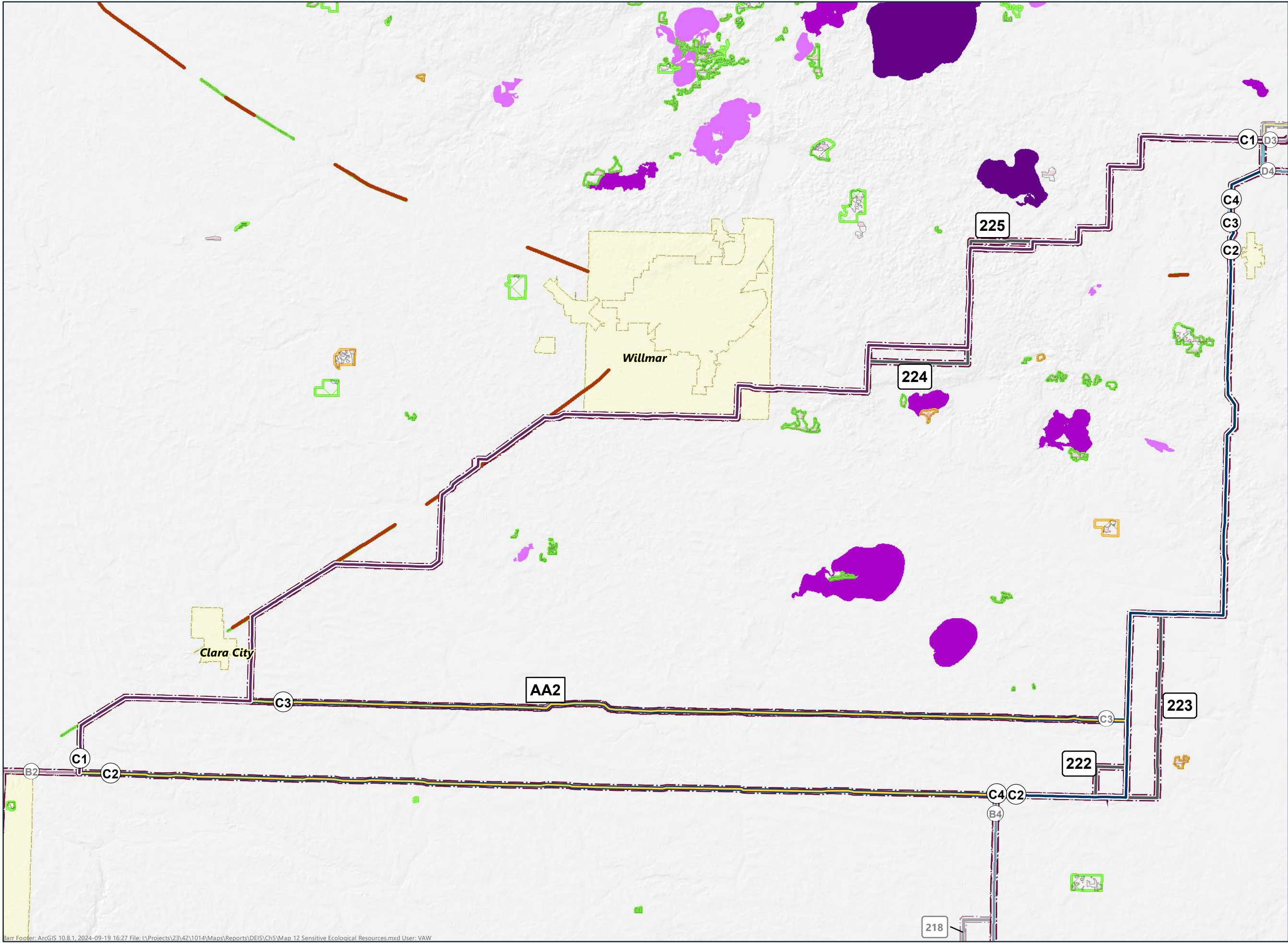
- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Proposed Route
- Municipal Boundary
- Railroad Right-of-Way
- Prairies
- Native Prairie Bank Easement
- Native Plant Community
- Scientific and Natural Area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



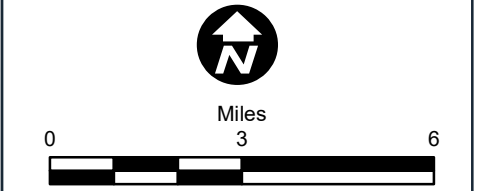
Miles
0 3 6

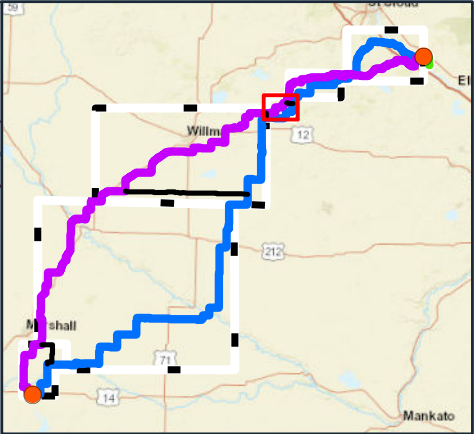
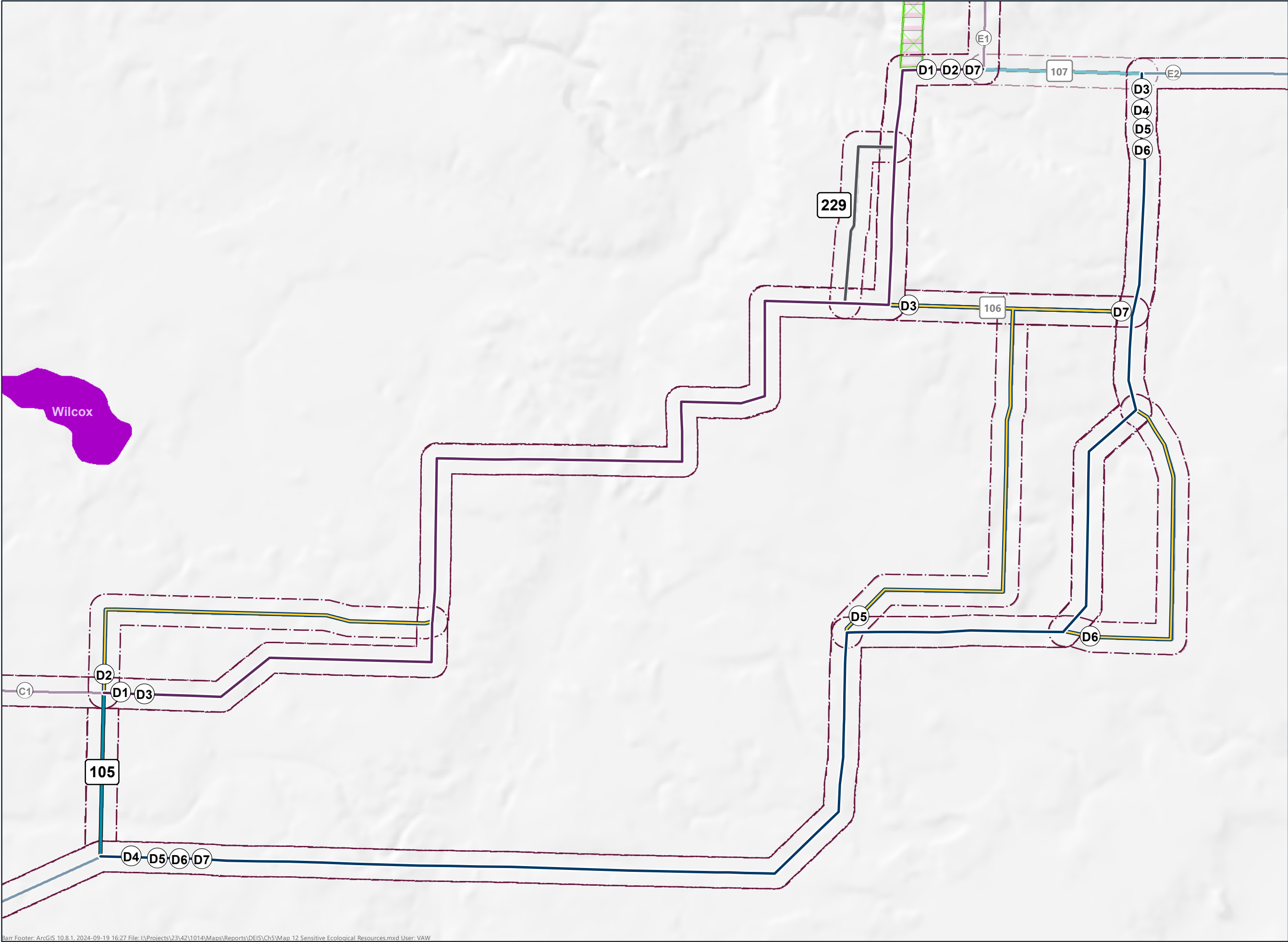
SENSITIVE ECOLOGICAL RESOURCES
REGION B PART 3
Minnesota Energy Connection Project

Map 12-5

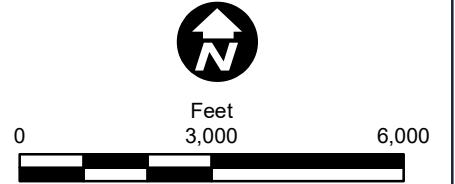


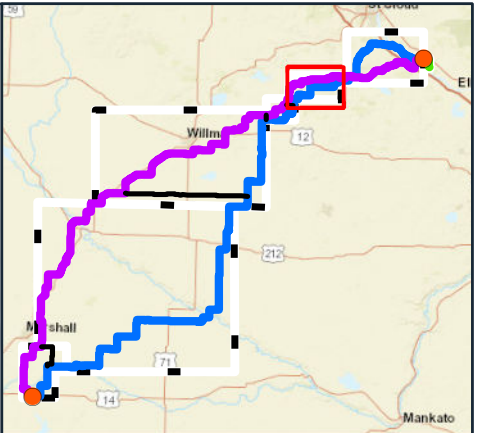
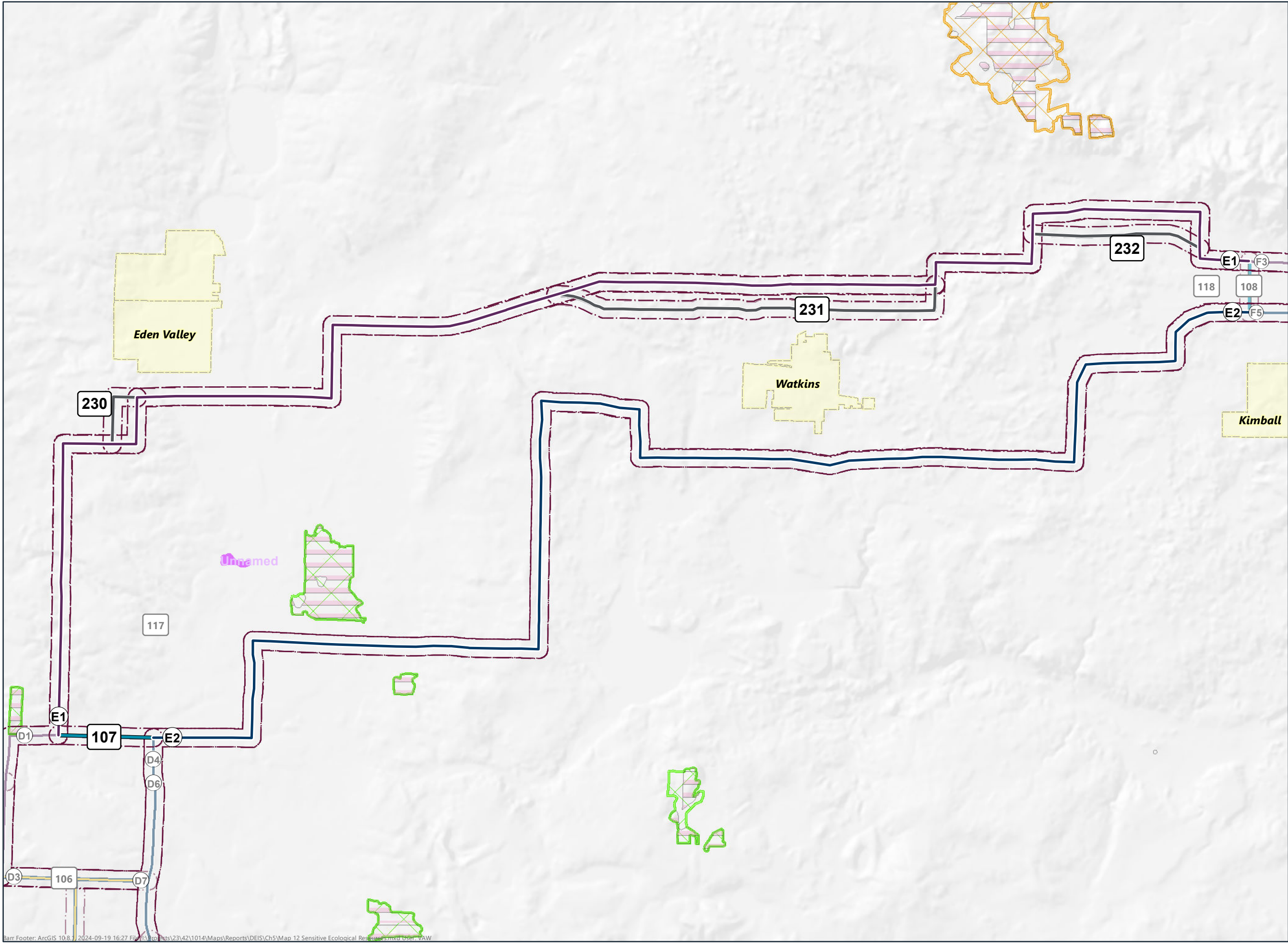
- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment C1 (Purple Route)
- Route Segment C4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Proposed Route
- Municipal Boundary
- Railroad Right-of-Way
- Prairies
- Native Plant Community
- Site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





- (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
- Native Plant Community
- Site of Biodiversity Significance**
- Moderate Significance
- Lakes of Biological Significance**
- High



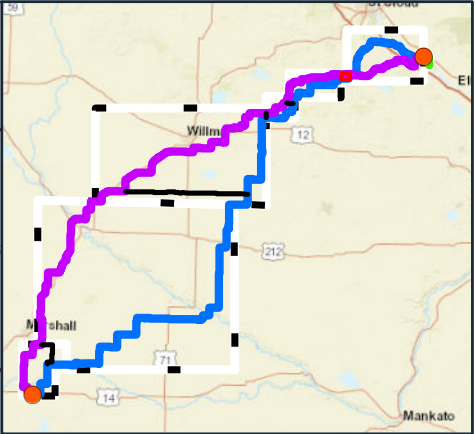
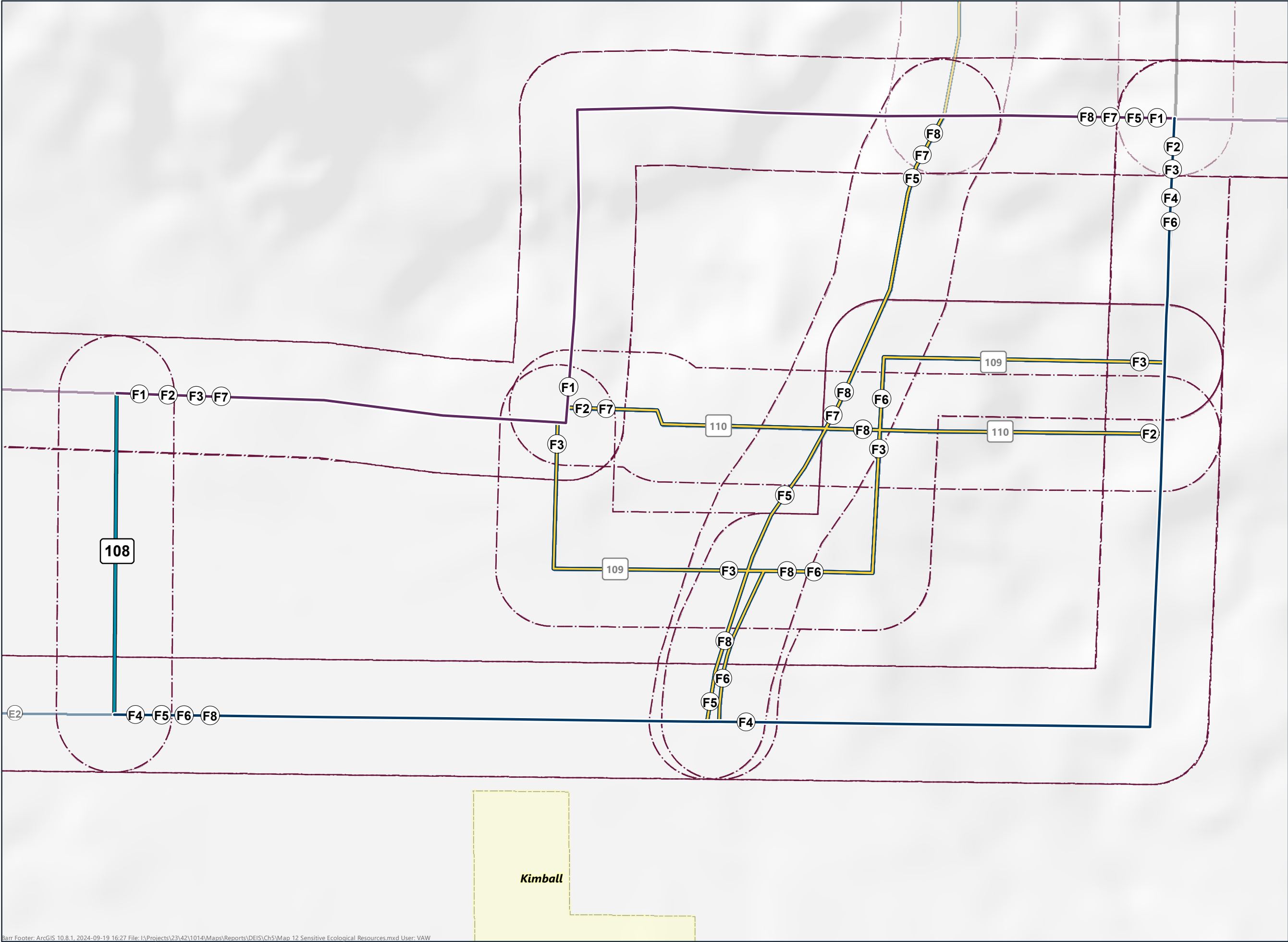


- (A1) Route Segment Label
- 200 Refinement Label
- Route Segment E1 (Purple Route)
- Route Segment E2 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Proposed Route
- Municipal Boundary
- Native Plant Community
- Site of Biodiversity Significance**
 - High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

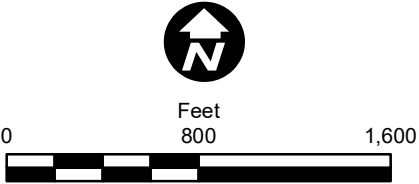
Feet
0 5,000 10,000

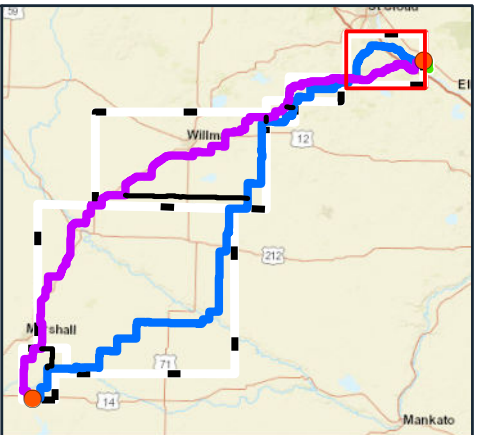
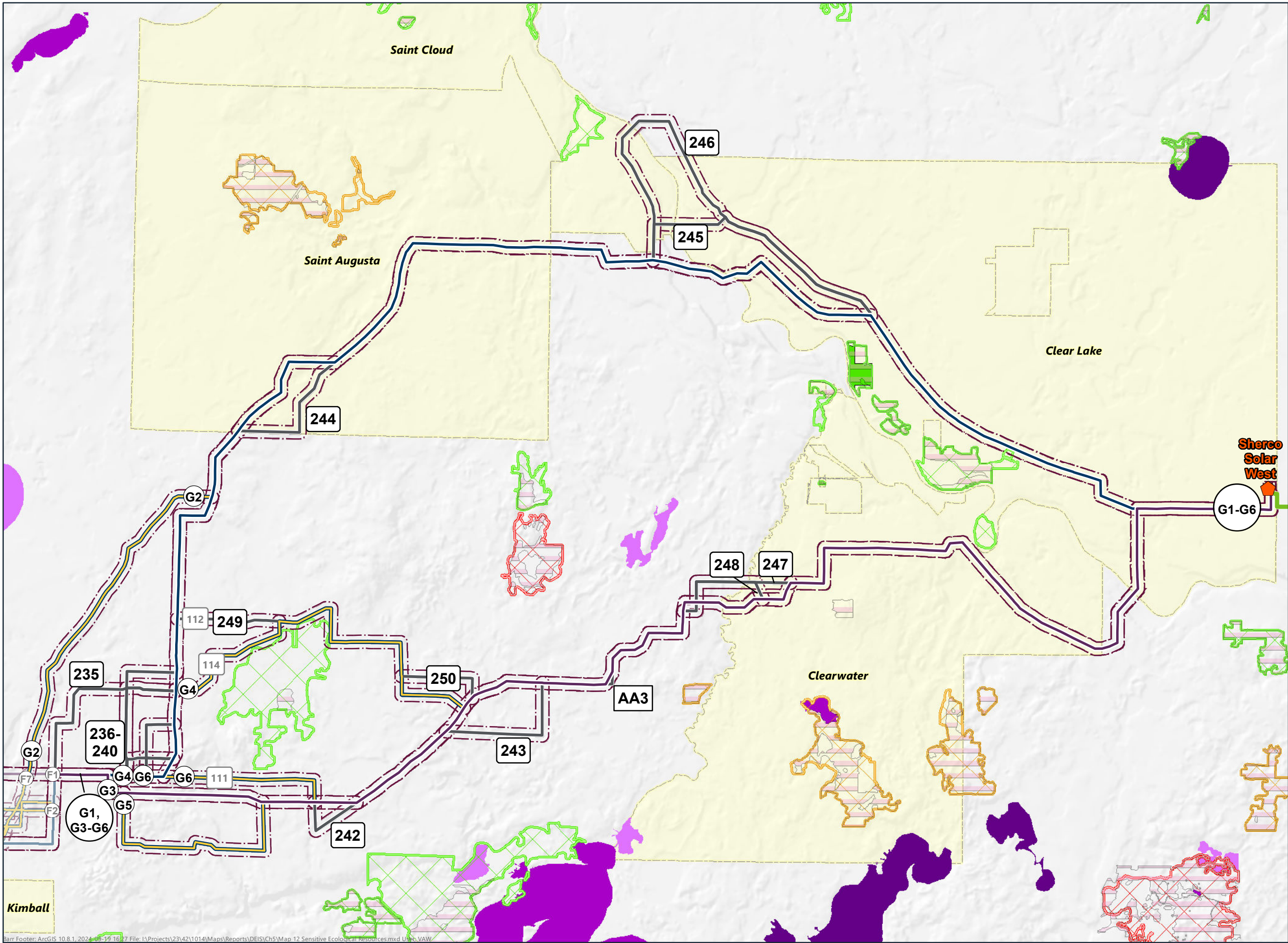
**SENSITIVE ECOLOGICAL
RESOURCES
REGION E**
Minnesota Energy
Connection Project

Map 12-8

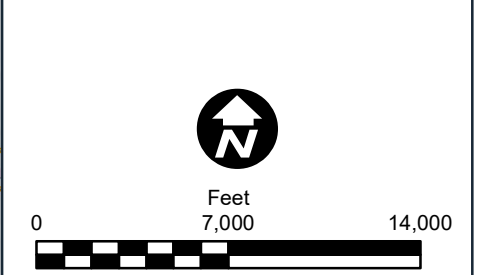


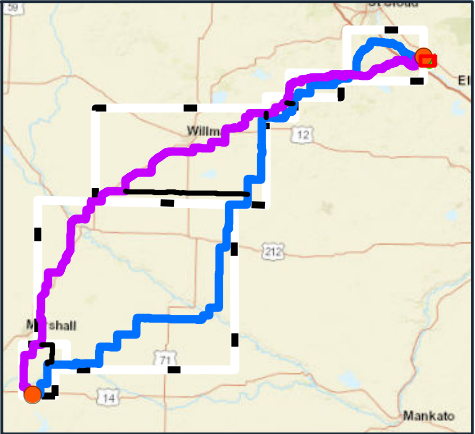
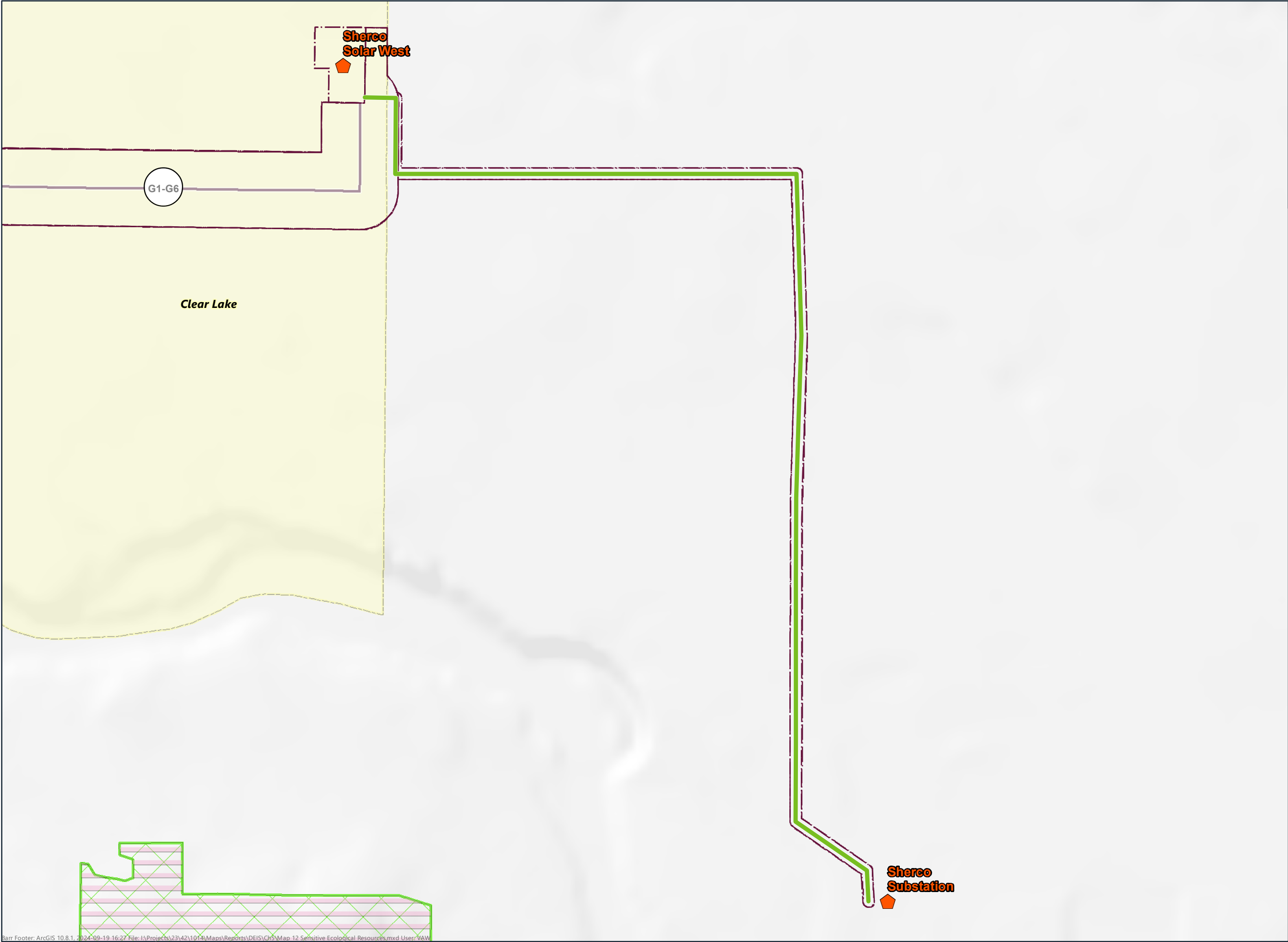
- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment F1 (Purple Route)
- Route Segment F4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Route Connector
- Proposed Route
- Municipal Boundary



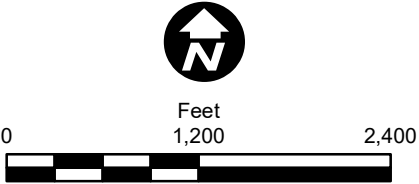


- A1** Route Segment Label
- 200** Refinement Label
- Route Segment G1 (Blue Route)
- Route Segment G3 (Purple Route)
- Green Route Segment
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Proposed Route
- Existing Substation
- Municipal Boundary
- Native Plant Community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

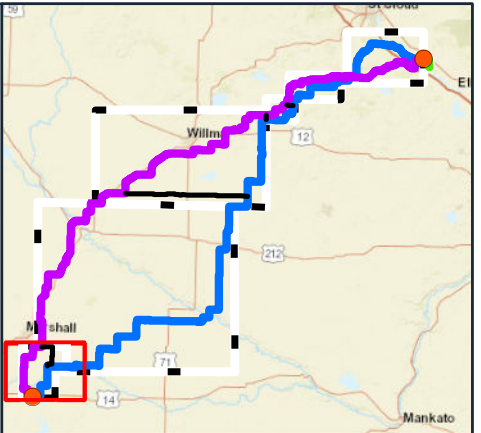
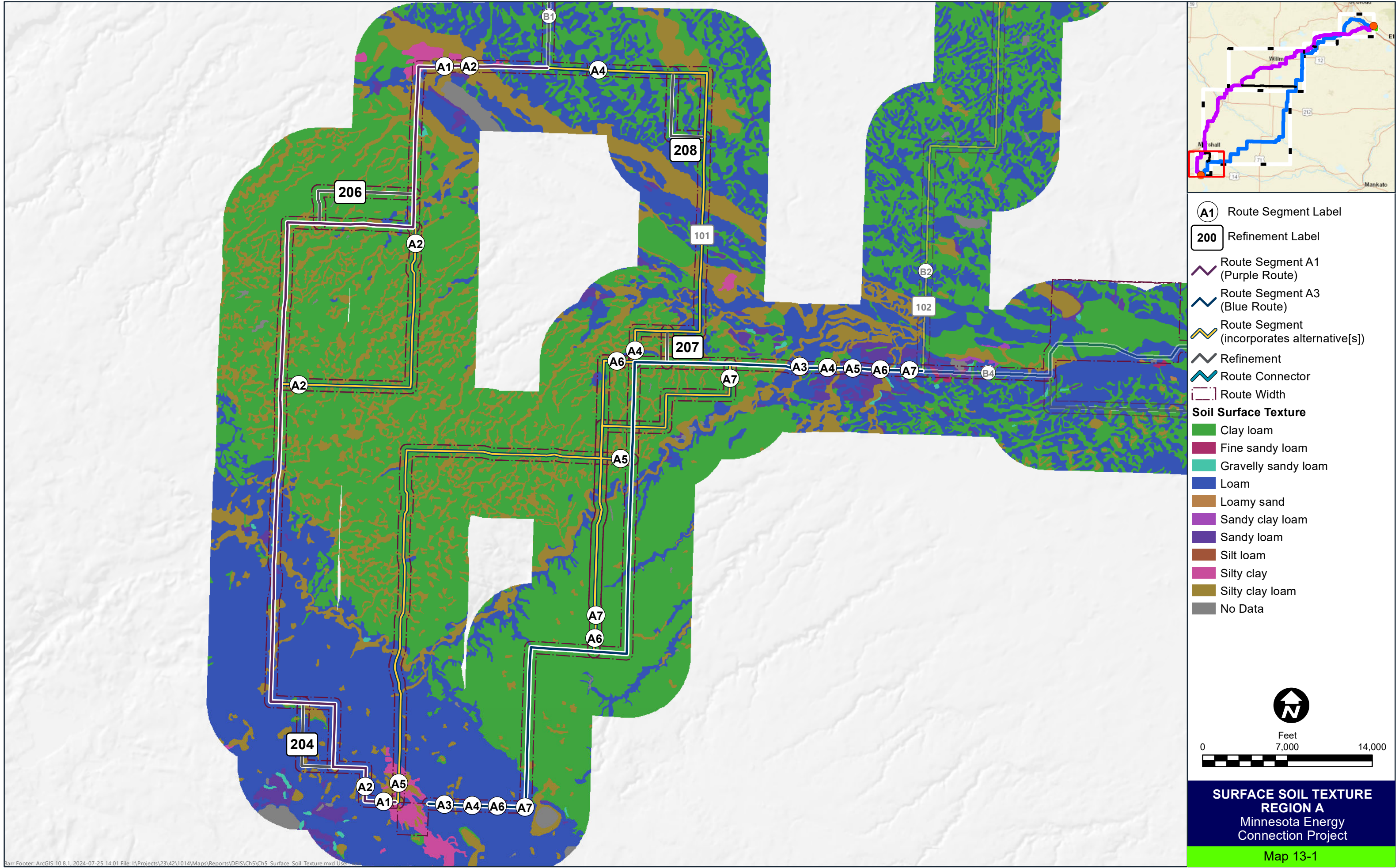




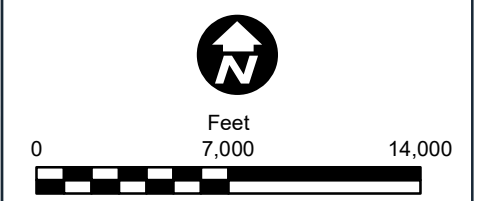
- (A1)** Route Segment Label
- 200** Refinement Label
- Green Route Segment
- Proposed Route
- Existing Substation
- Municipal Boundary
- Native Plant Community
- Site of Biodiversity Significance**
- Moderate Significance

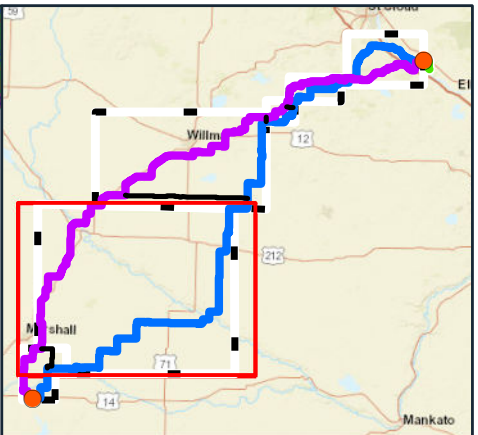
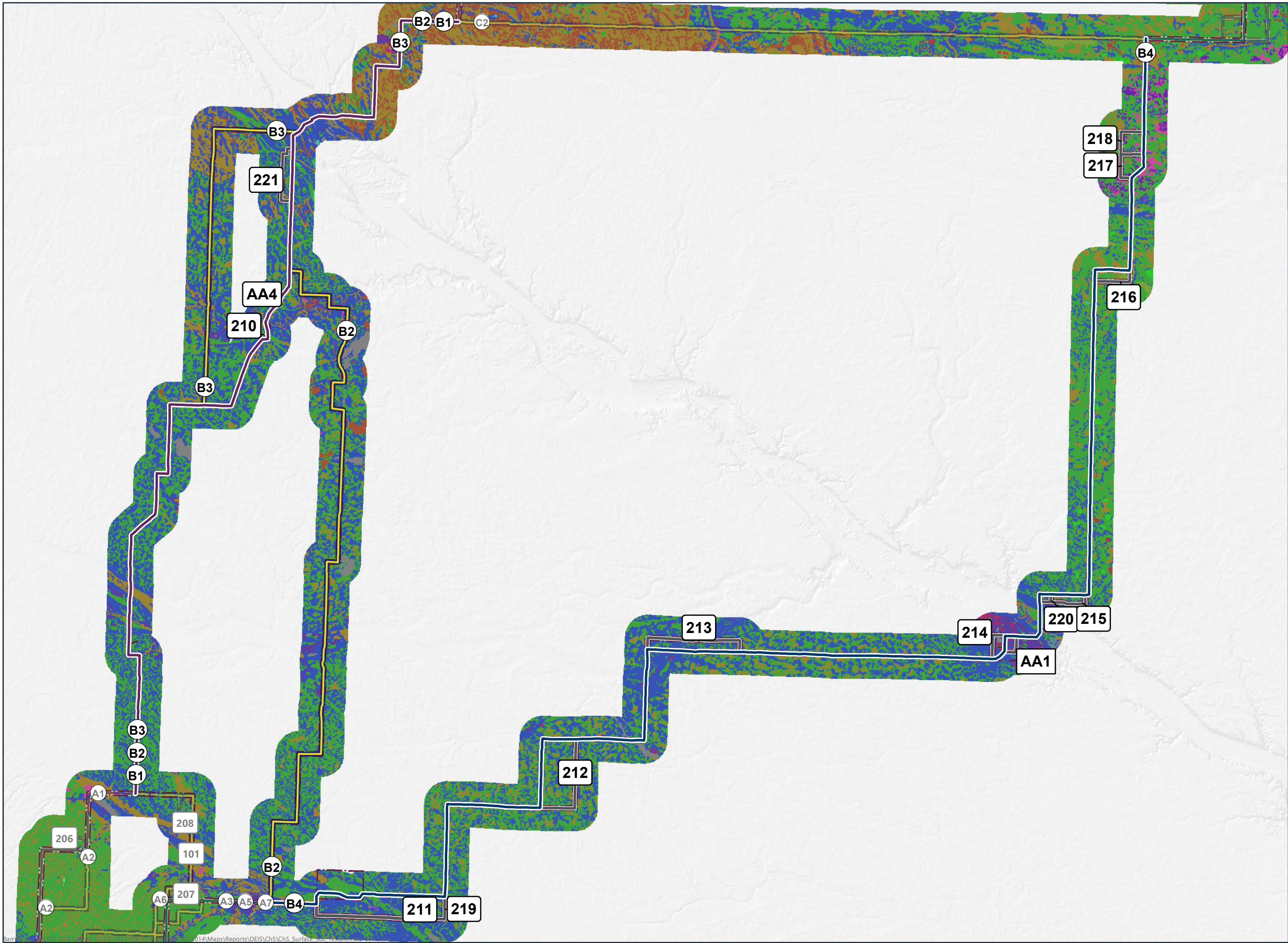


**SENSITIVE ECOLOGICAL
RESOURCES
GREEN ROUTE SEGMENT**
Minnesota Energy
Connection Project



- (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





(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

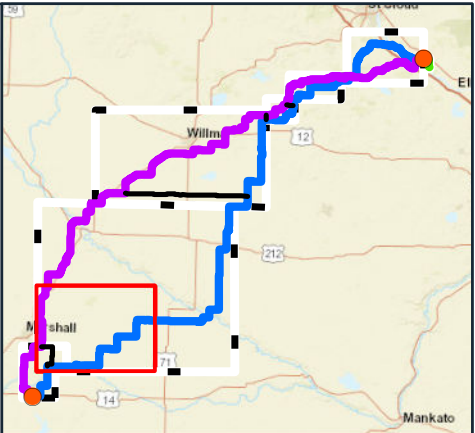
Soil Surface Texture

- Clay
- Clay loam
- Fine sandy loam
- Gravelly sandy loam
- Loam
- Loamy sand
- Muck
- Mucky clay loam
- Mucky silt loam
- Mucky silty clay loam
- Sandy clay loam
- Sandy loam
- Silt loam
- Silty clay
- Silty clay loam
- Stony clay loam
- No Data

0 4 8 Miles

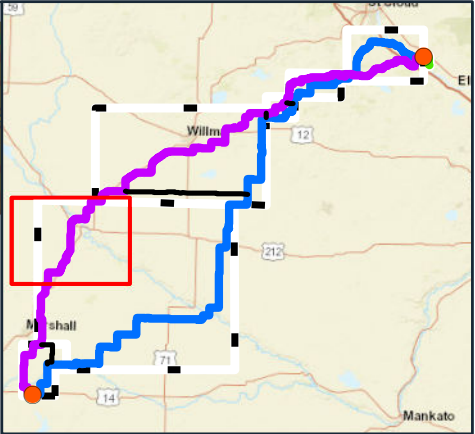
**SURFACE SOIL TEXTURE
REGION B OVERVIEW**
Minnesota Energy
Connection Project

Map 13-2



- (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
- 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

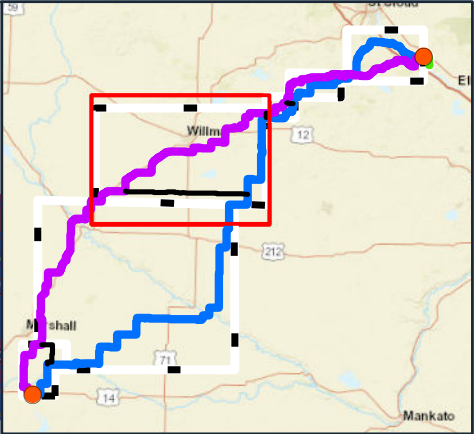
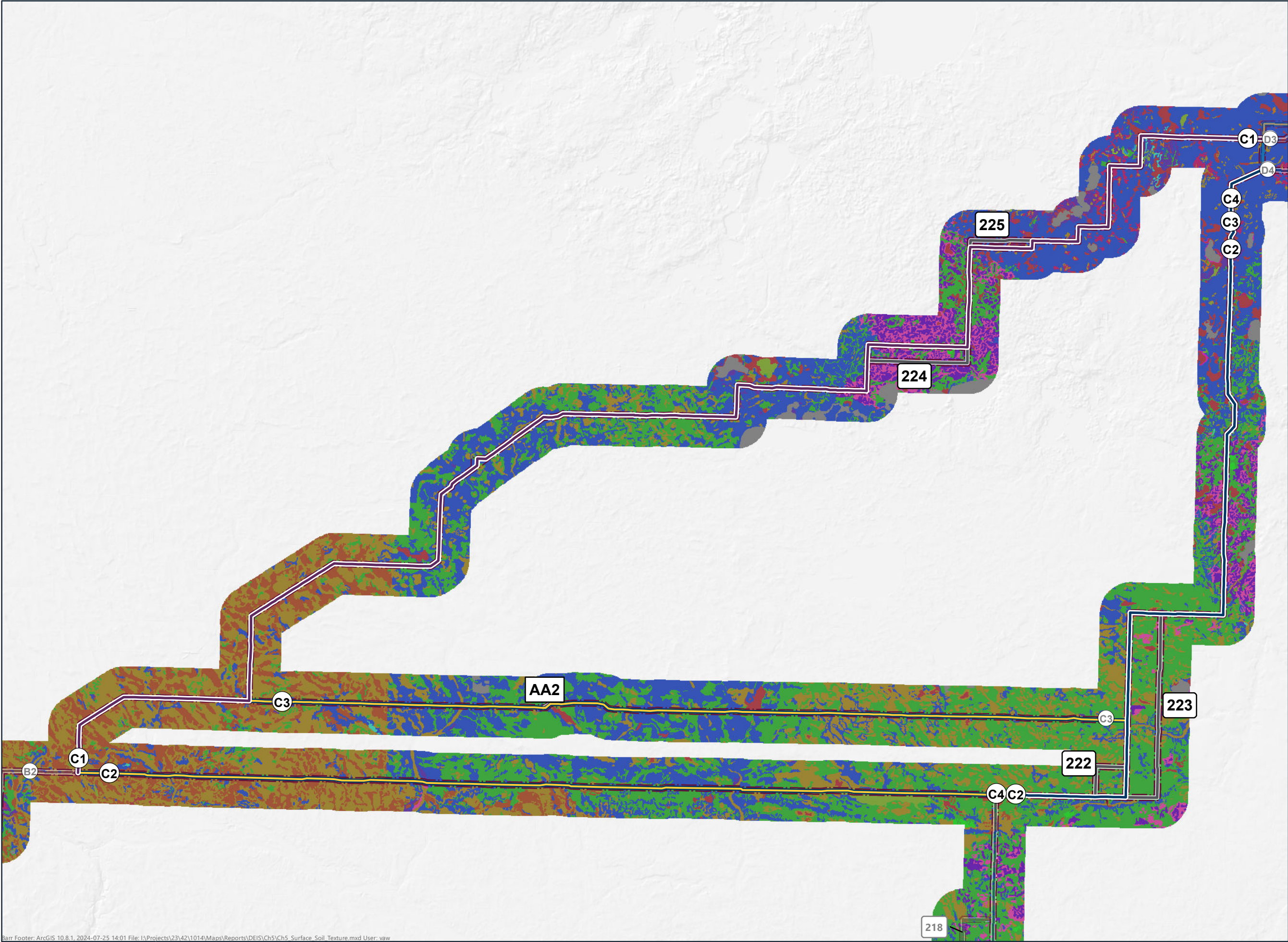




- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment B1 (Purple Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- Soil Surface Texture**
- Clay loam
 - Fine sandy loam
 - Gravelly sandy loam
 - Loam
 - Muck
 - Mucky silt loam
 - Sandy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



SURFACE SOIL TEXTURE
REGION B PART 2
Minnesota Energy
Connection Project



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

Soil Surface Texture

Clay

Clay loam

Coarse sandy loam

Fine sandy loam

Gravelly sandy loam

Loam

Loamy coarse sand

Loamy fine sand

Loamy sand

Muck

Mucky silt loam

Mucky silty clay loam

Sand

Sandy loam

Silt loam

Silty clay

Silty clay loam

Very fine sandy loam

No Data

N

Miles

0

3

6

SURFACE SOIL TEXTURE

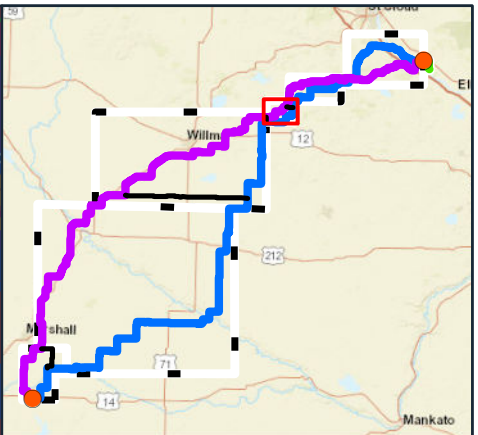
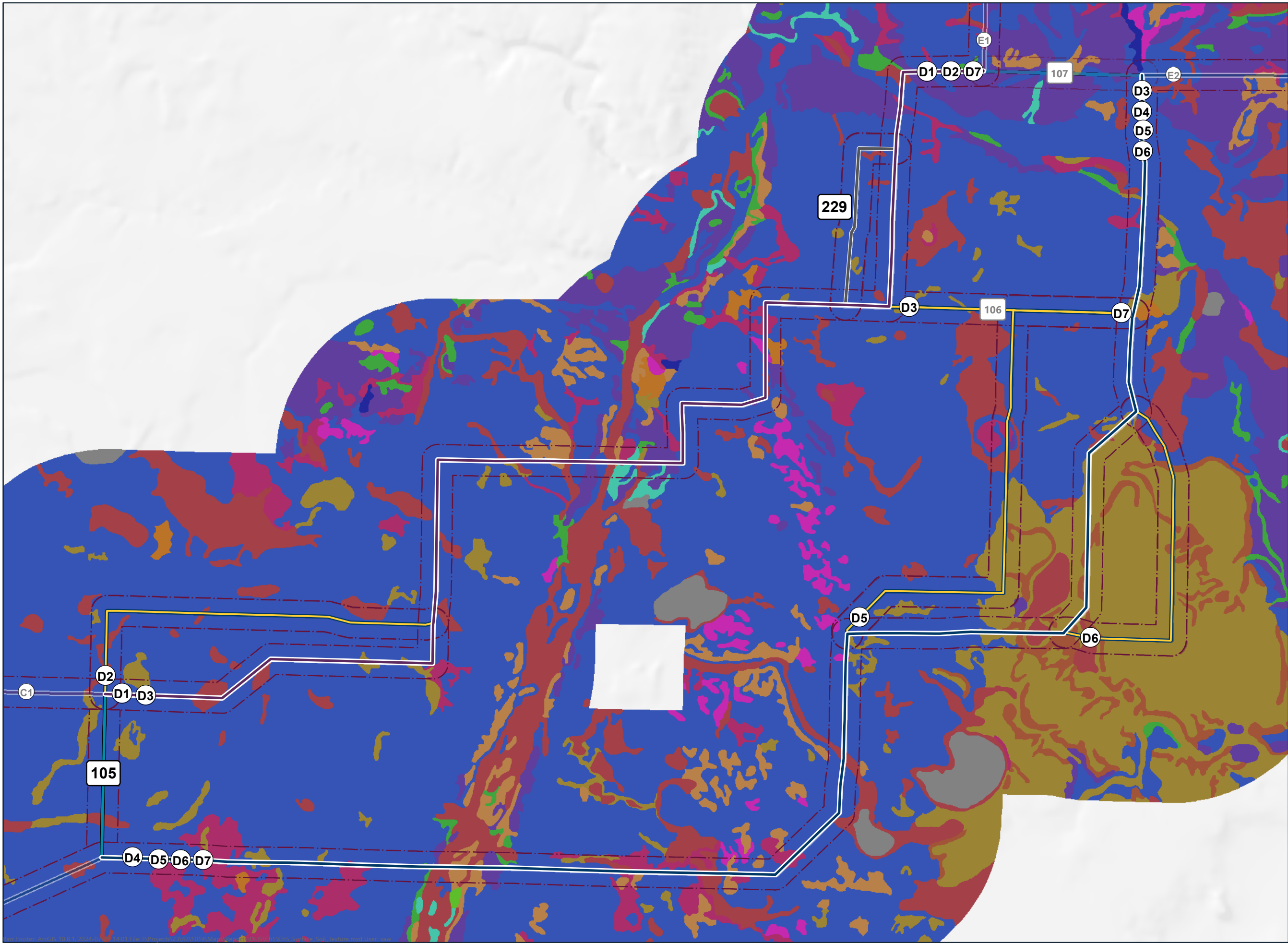
REGION C

Minnesota Energy

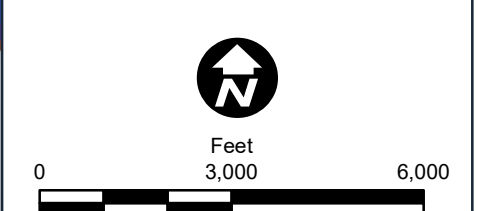
Connection Project

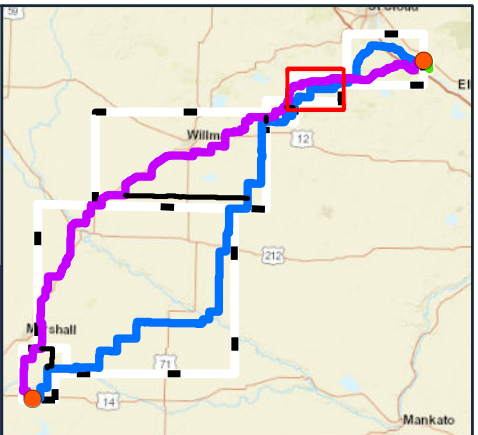
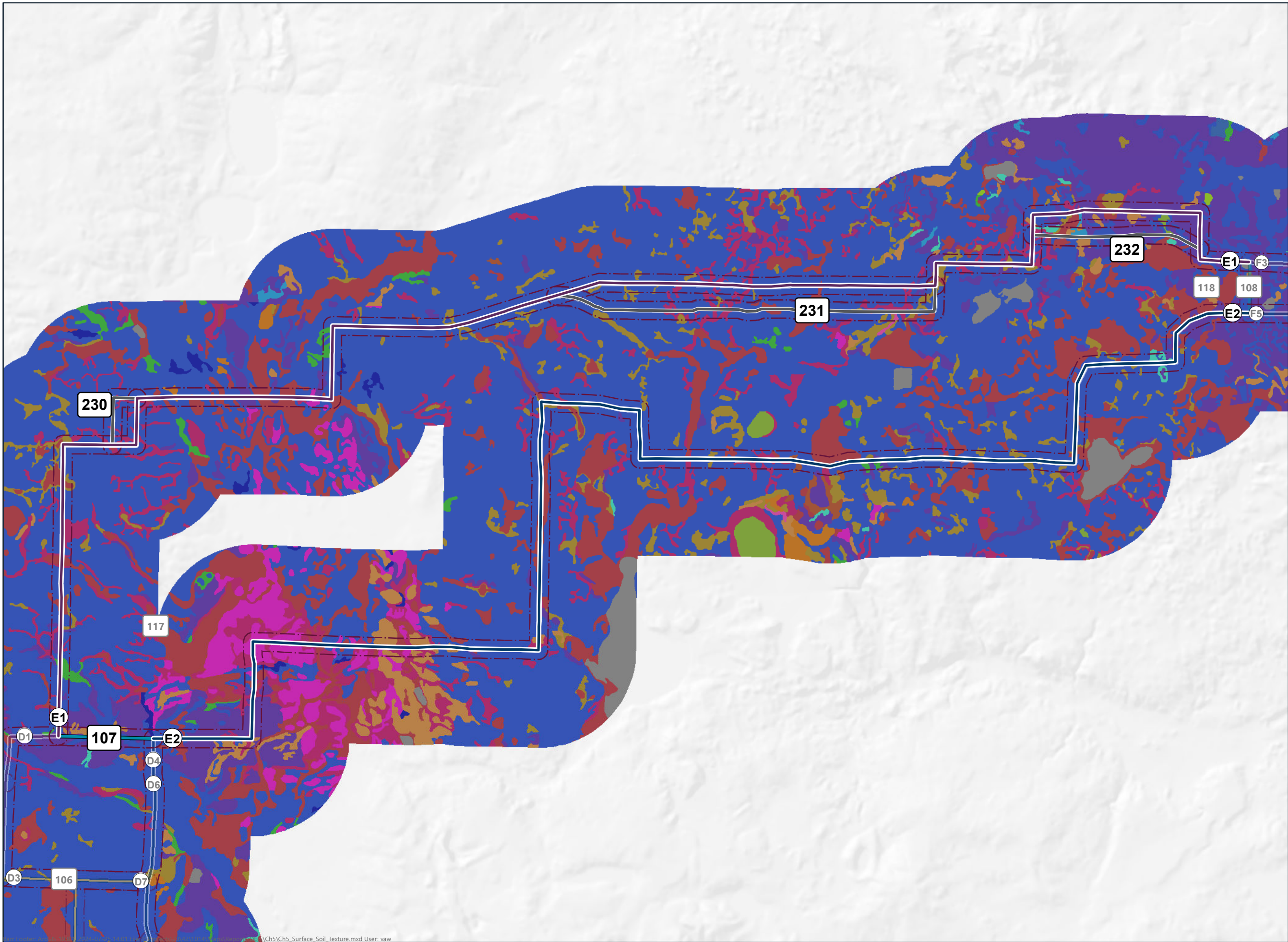
Map 13-6

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
- 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





(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

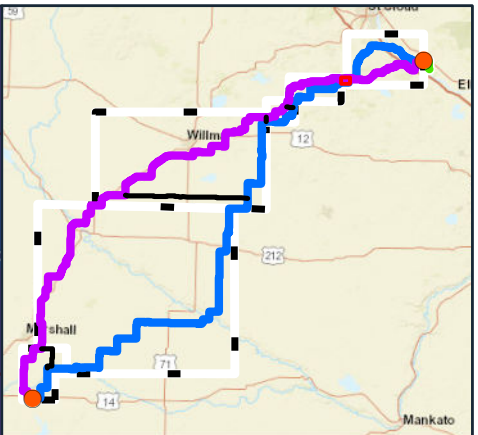
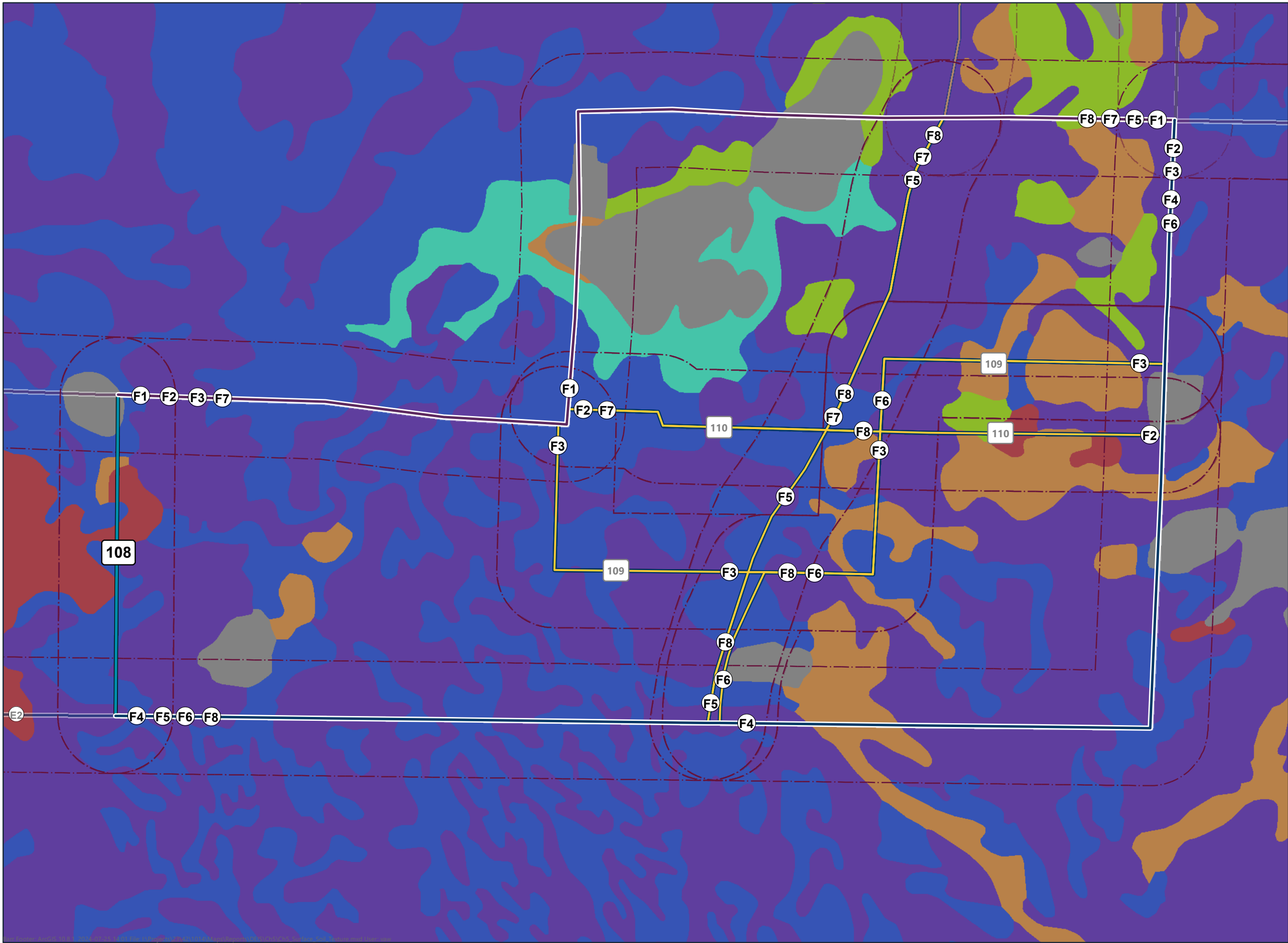
Silty clay

Silty clay loam

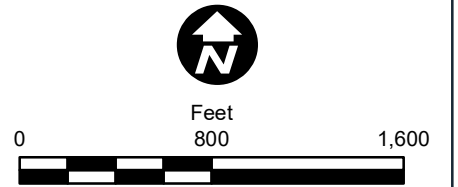
Very fine sandy loam

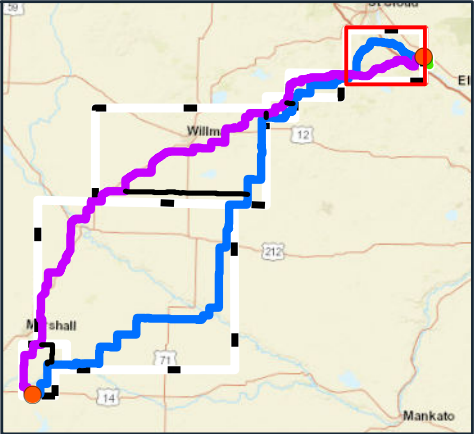
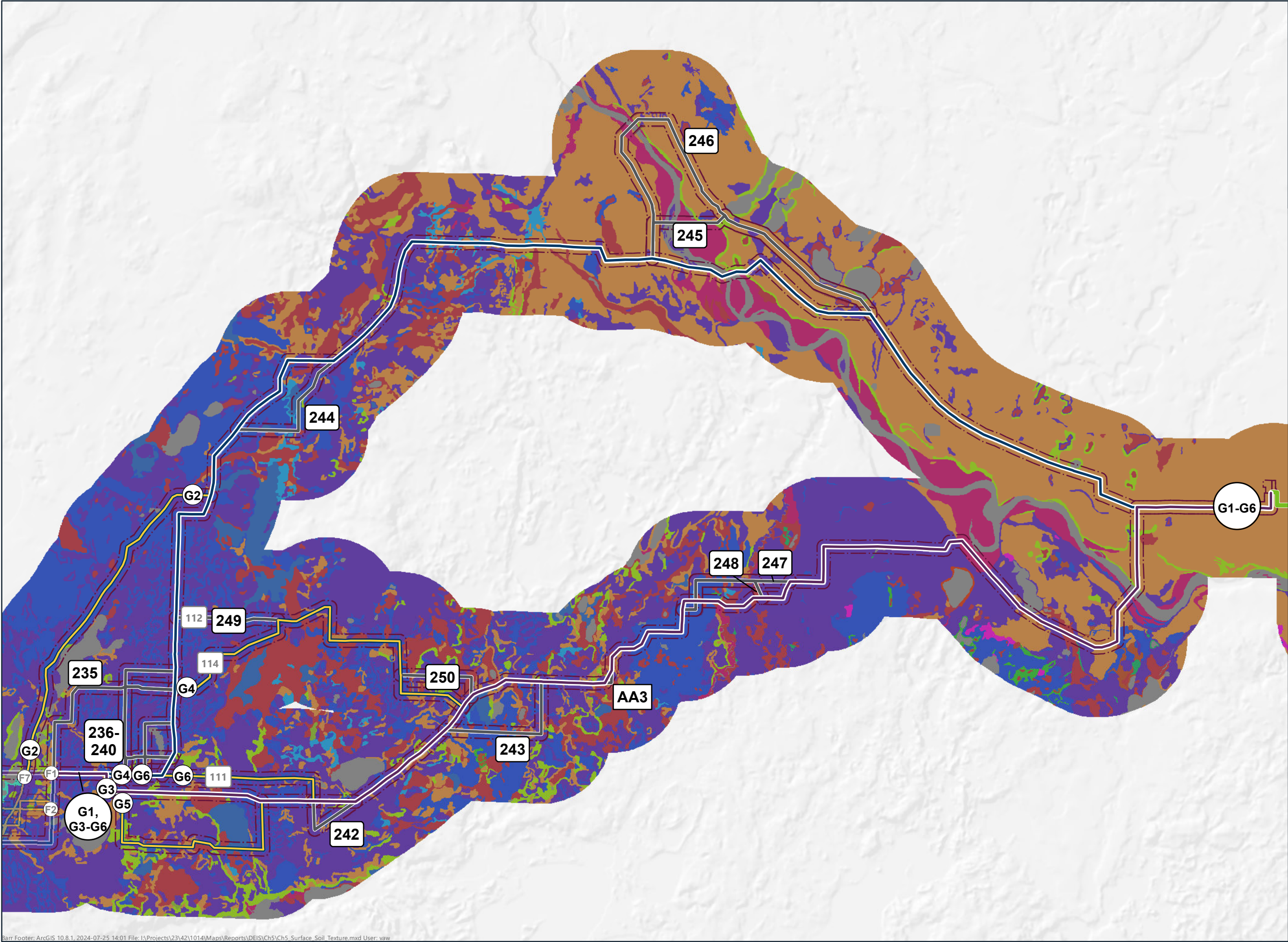
No Data

0 5,000 10,000 Feet



- (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





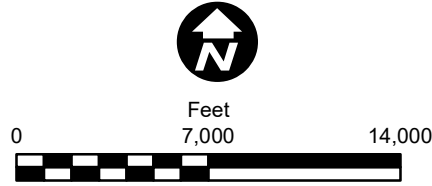
(A1) Route Segment Label

200 Refinement Label

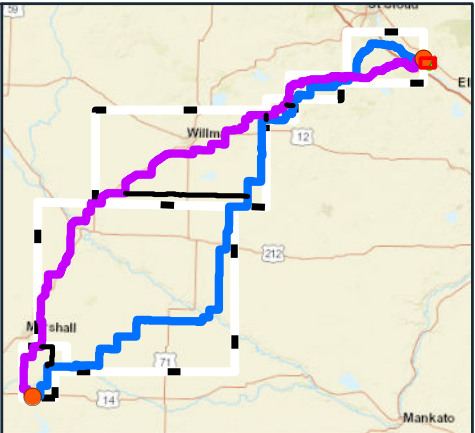
- Route Segment G1 (Blue Route)
- Route Segment G3 (Purple Route)
- Green Route Segment
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width

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



SURFACE SOIL TEXTURE
REGION G
Minnesota Energy
Connection Project



(A1) Route Segment Label

200 Refinement Label

Green Route Segment

Route Width

Soil Surface Texture

Fine sandy loam

Loam

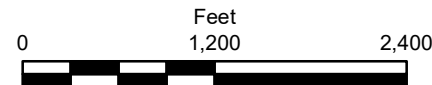
Loamy coarse sand

Loamy fine sand

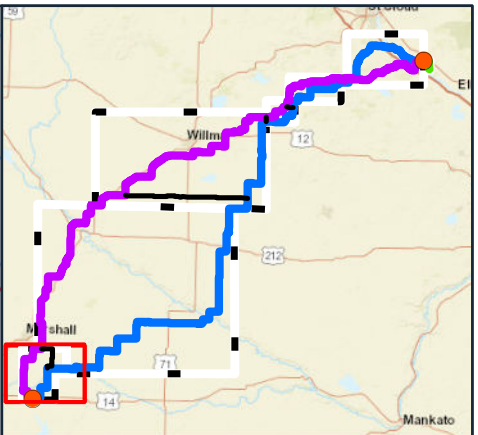
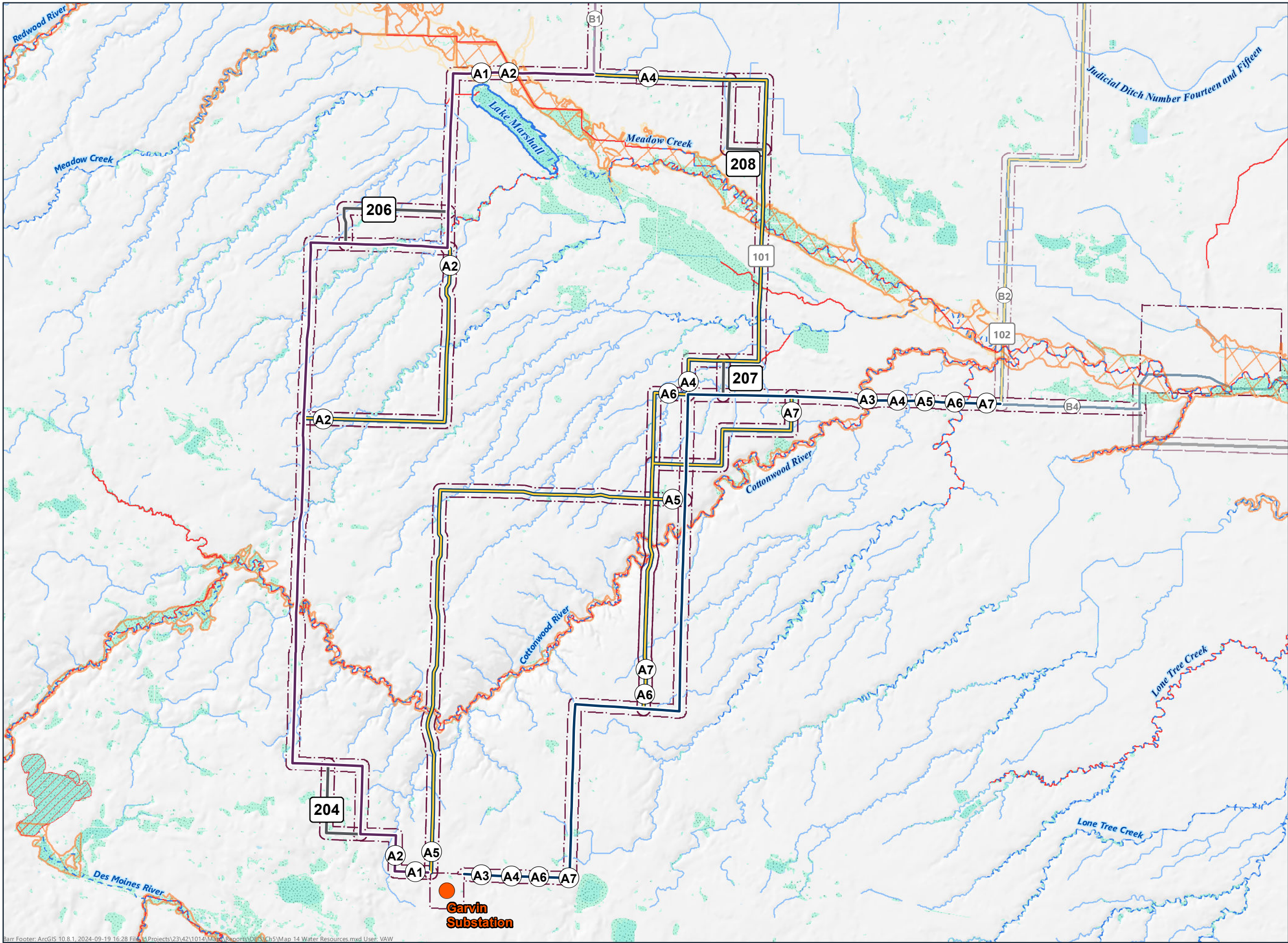
Loamy sand

Sandy loam

No Data

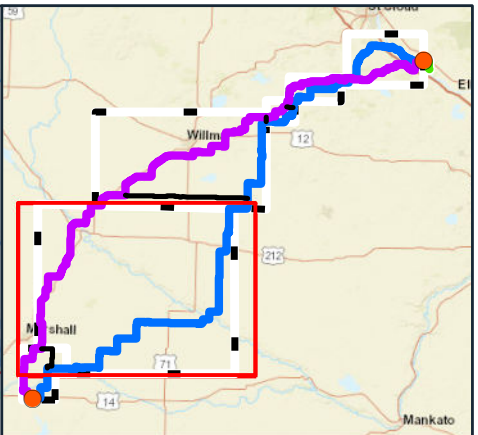
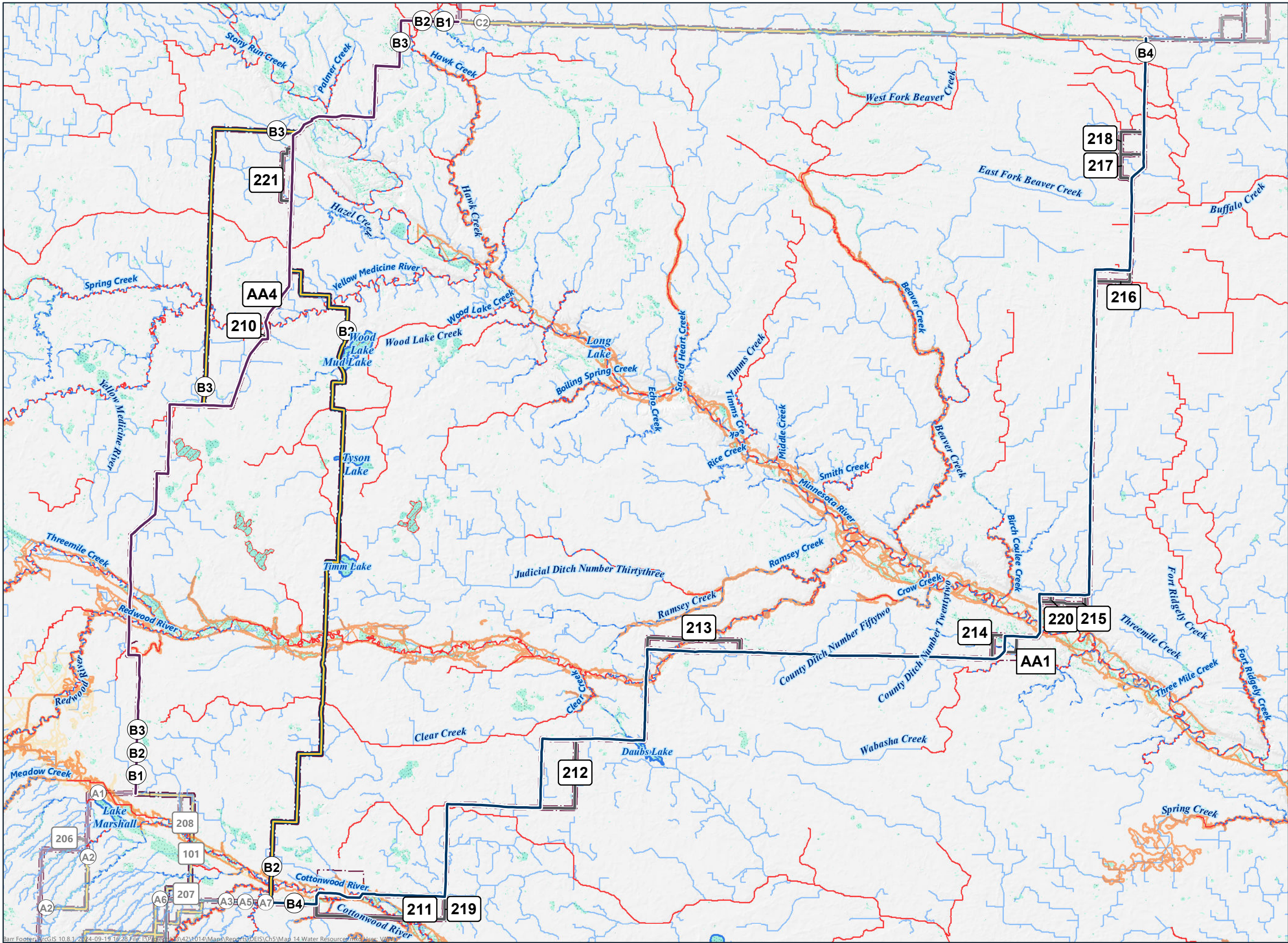


**SURFACE SOIL TEXTURE
GREEN ROUTE SEGMENT**
Minnesota Energy
Connection Project



- 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



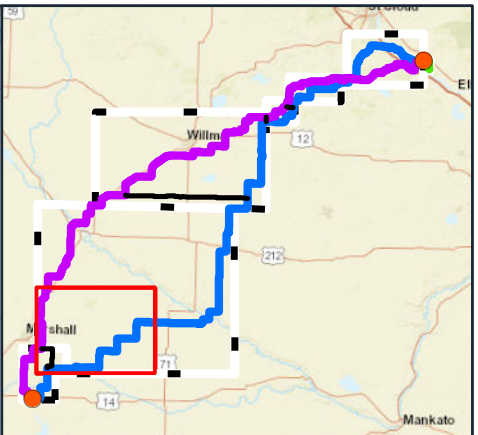
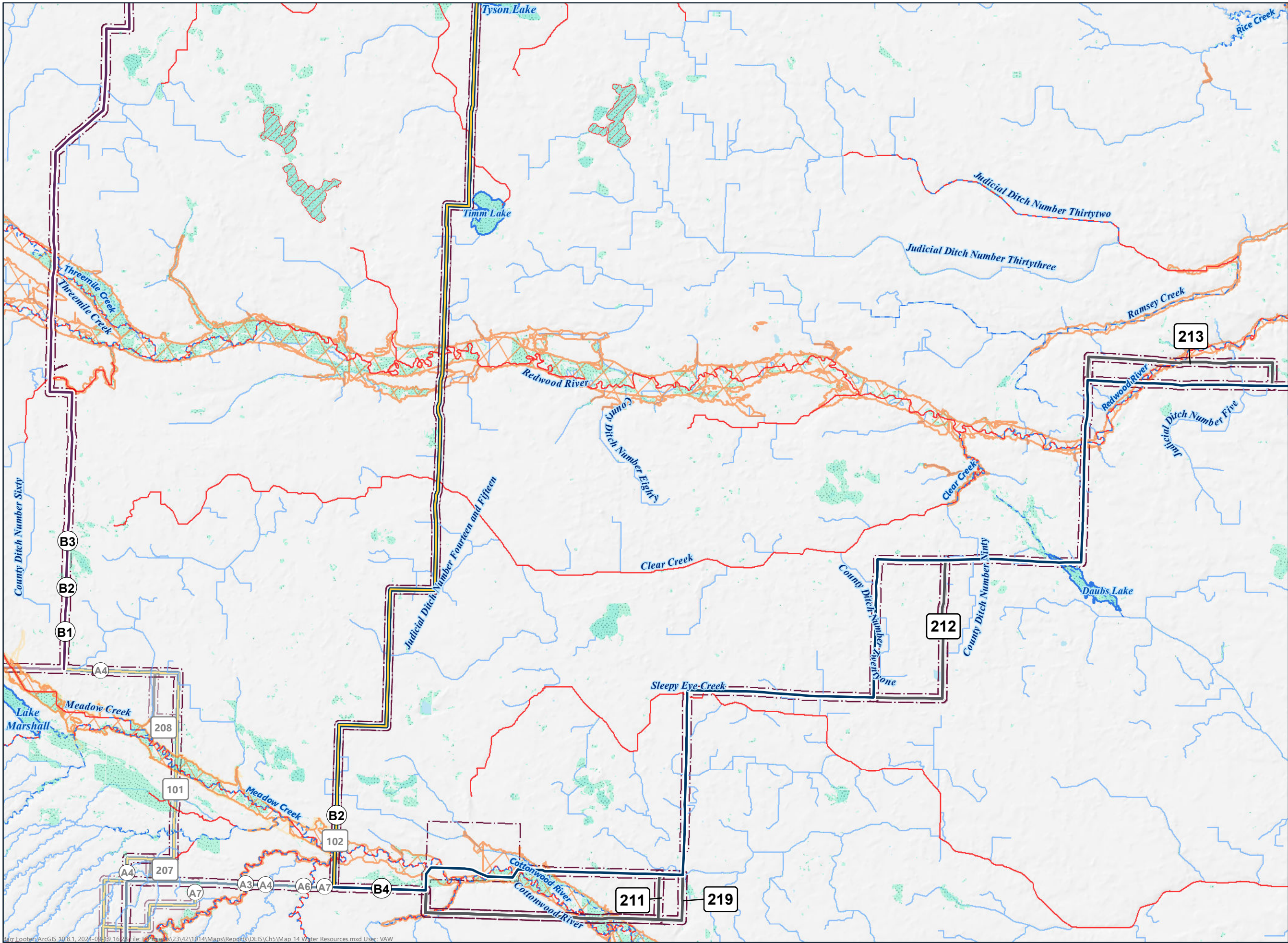


- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment B1 (Purple Route)
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- NHD Watercourse
- PWI Watercourse
- MPCA Impaired Stream
- NHD Waterbody
- MPCA Impaired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



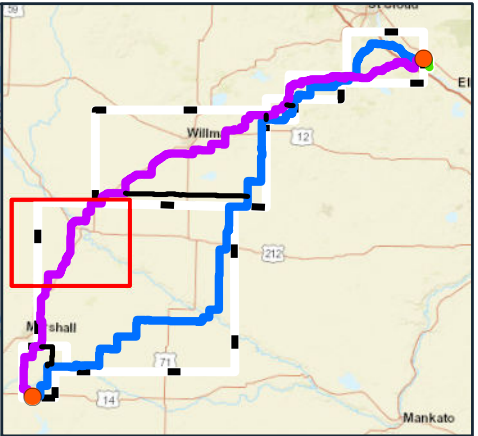
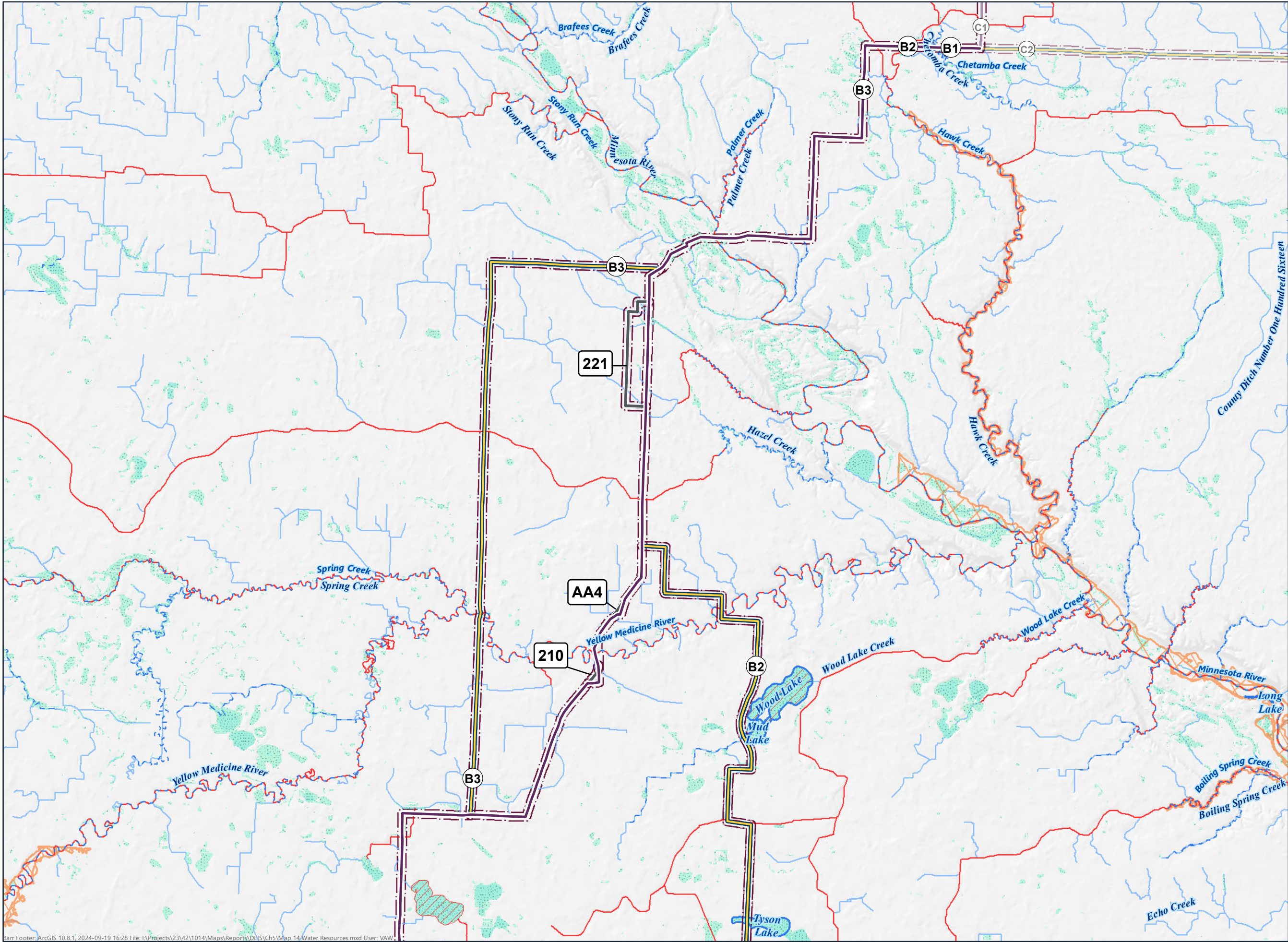
**WATER RESOURCES
REGION B OVERVIEW**
Minnesota Energy
Connection Project

Map 14-2

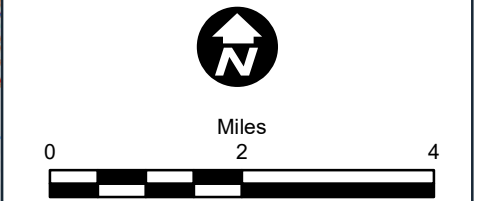


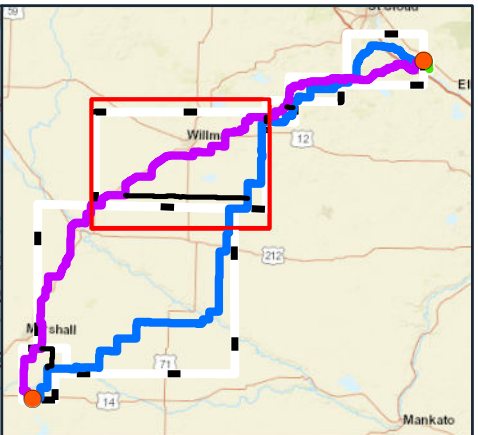
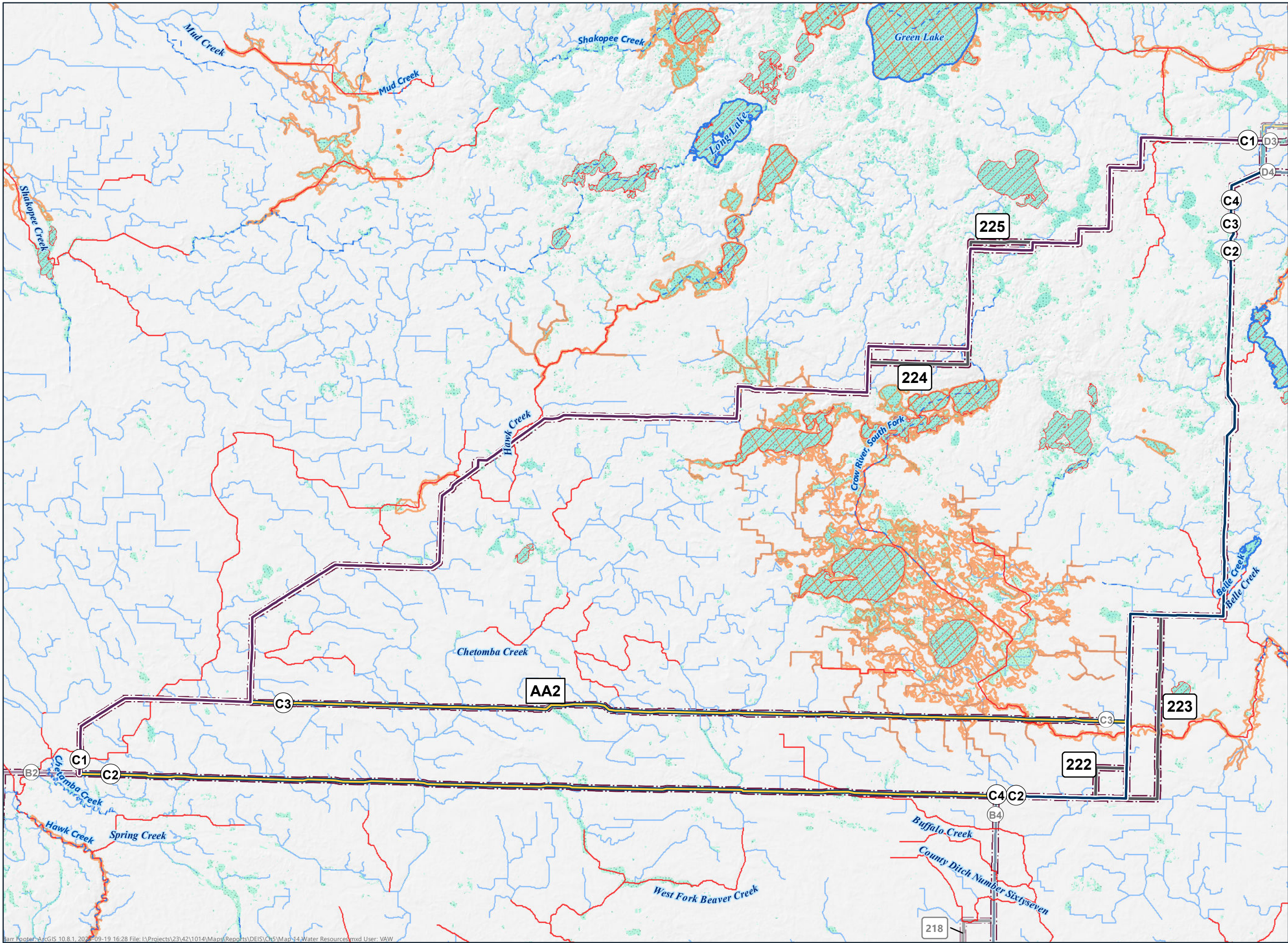
- A1** Route Segment Label
- 200** Refinement Label
- Route Segment B1 (Purple Route)
- Route Segment B4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- NHD Watercourse
- PWI Watercourse
- MPCA Impaired Stream
- NHD Waterbody
- MPCA Impaired Waterbody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



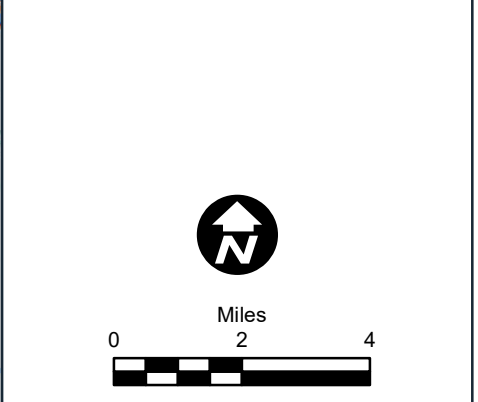


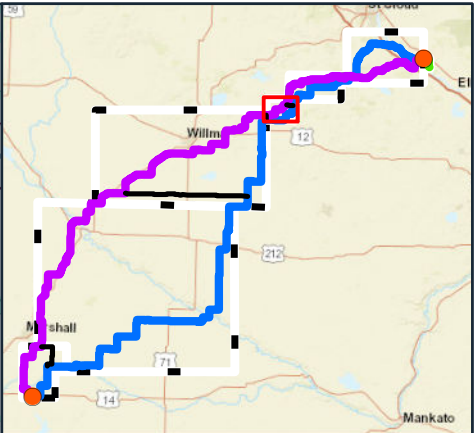
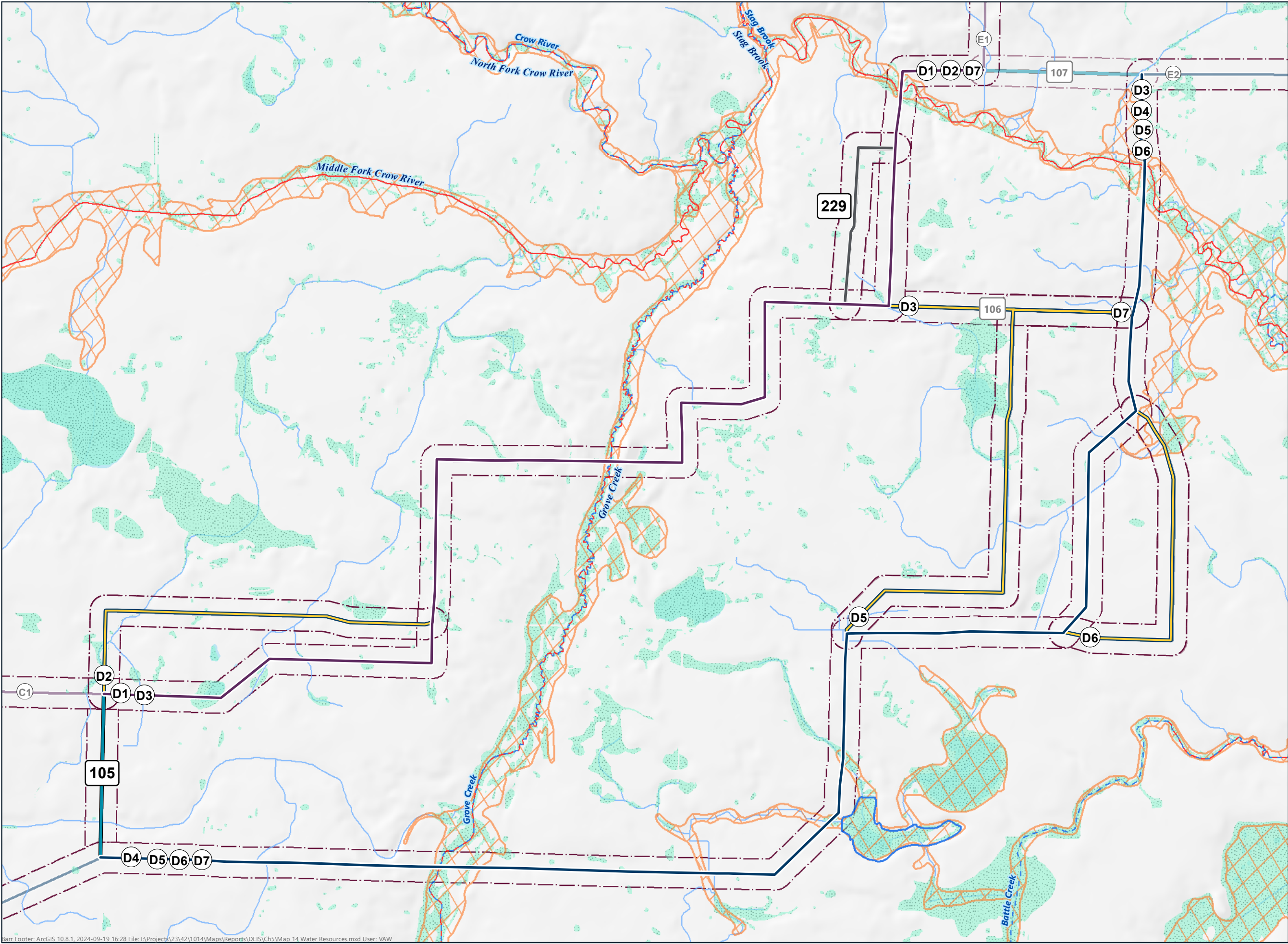
- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment B1 (Purple Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- NHD Watercourse
- PWI Watercourse
- MPCA Impaired Stream
- NHD Waterbody
- MPCA Impaired Waterbody
- Wetlands**
 - Non-Forested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



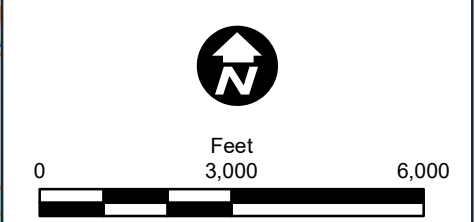


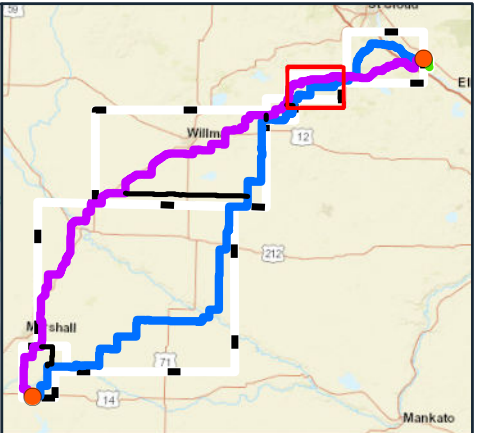
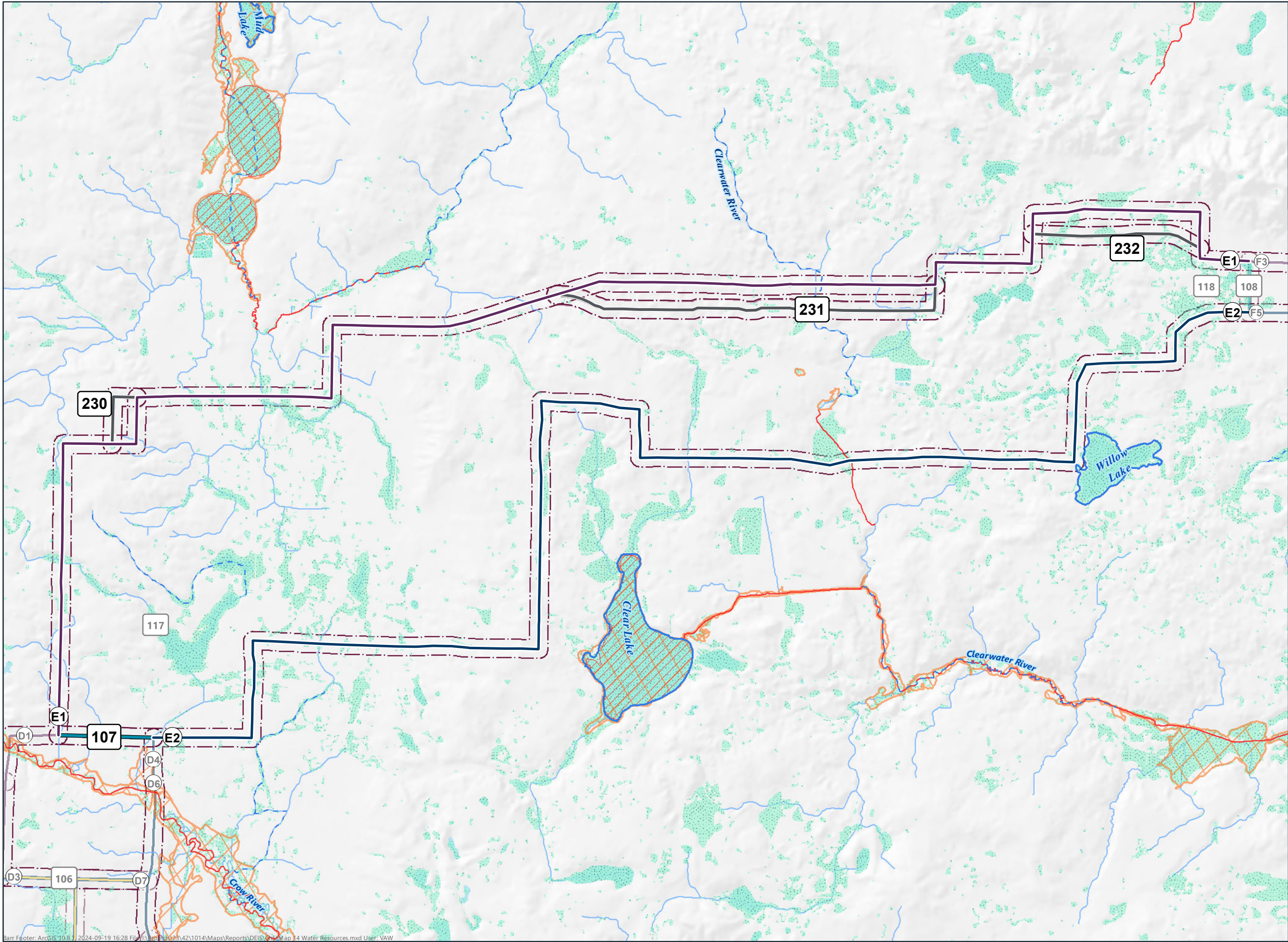
- A1** Route Segment Label
- 200** Refinement Label
- Route Segment C1 (Purple Route)
- Route Segment C4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- NHD Watercourse
- PWI Watercourse
- MPCA Impaired Stream
- NHD Waterbody
- PWI Waterbody
-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



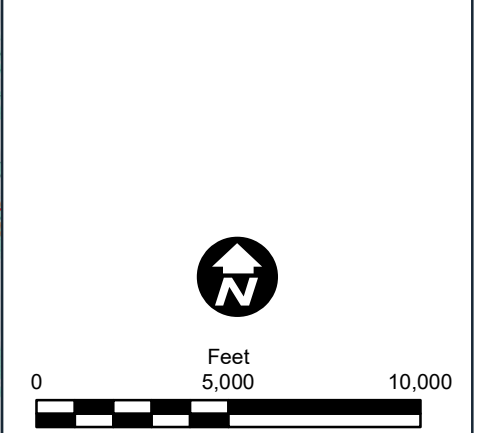


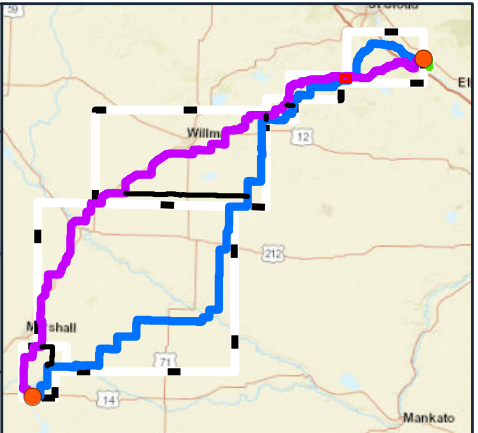
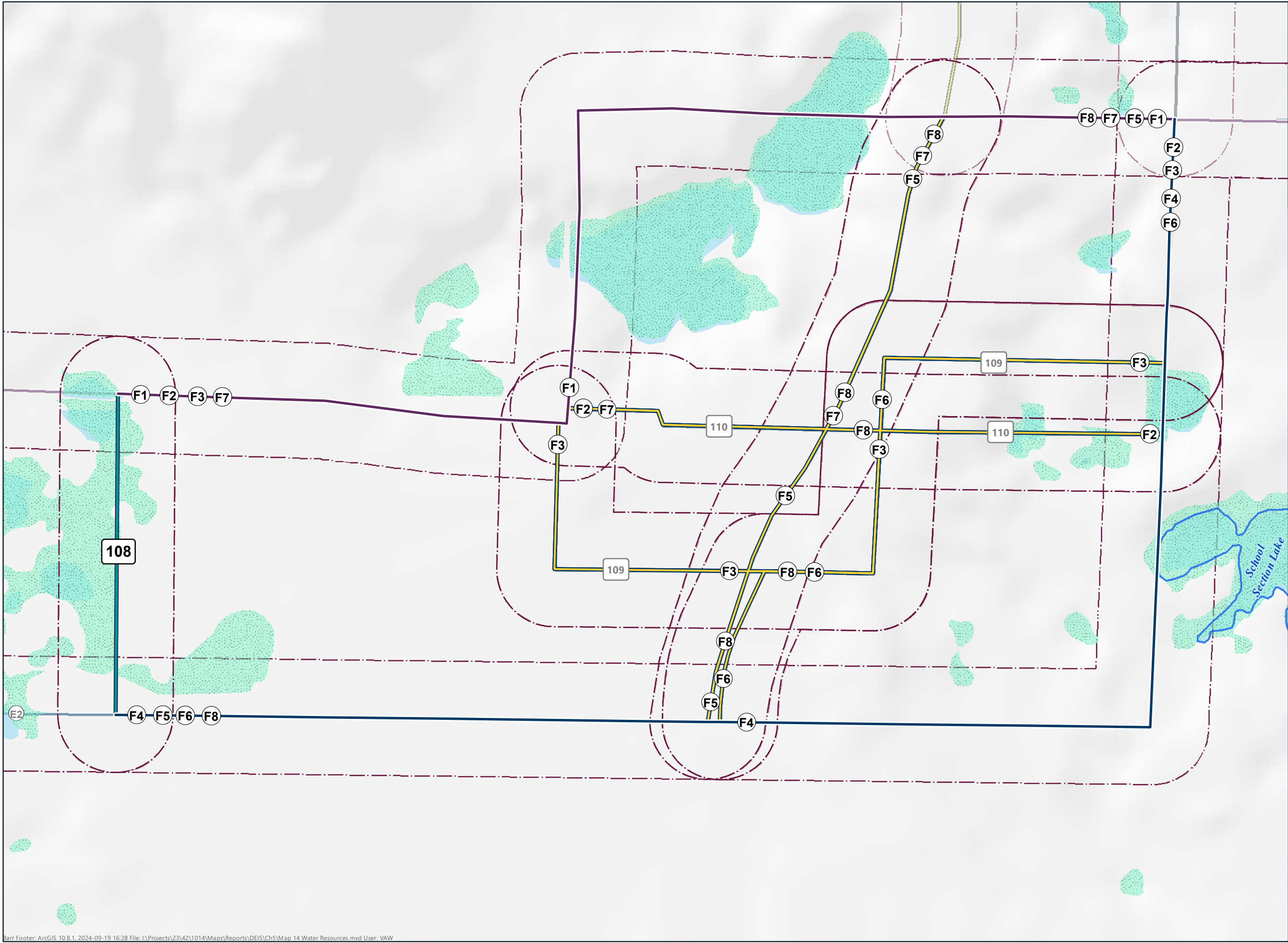
- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment D1 (Purple Route)
- Route Segment D4 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- NHD Watercourse
- PWI Watercourse
- MPCA Impaired Stream
- NHD Waterbody
- Wetlands**
-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



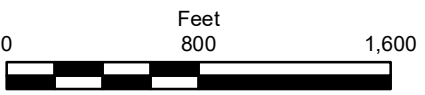


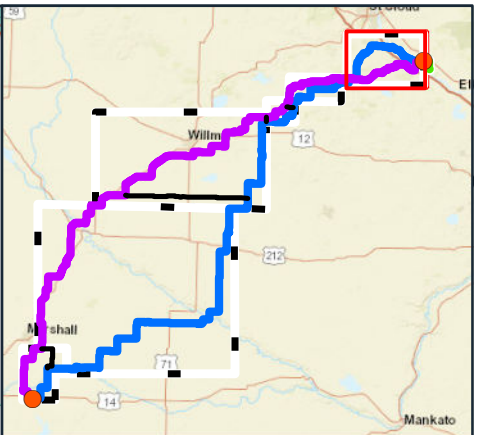
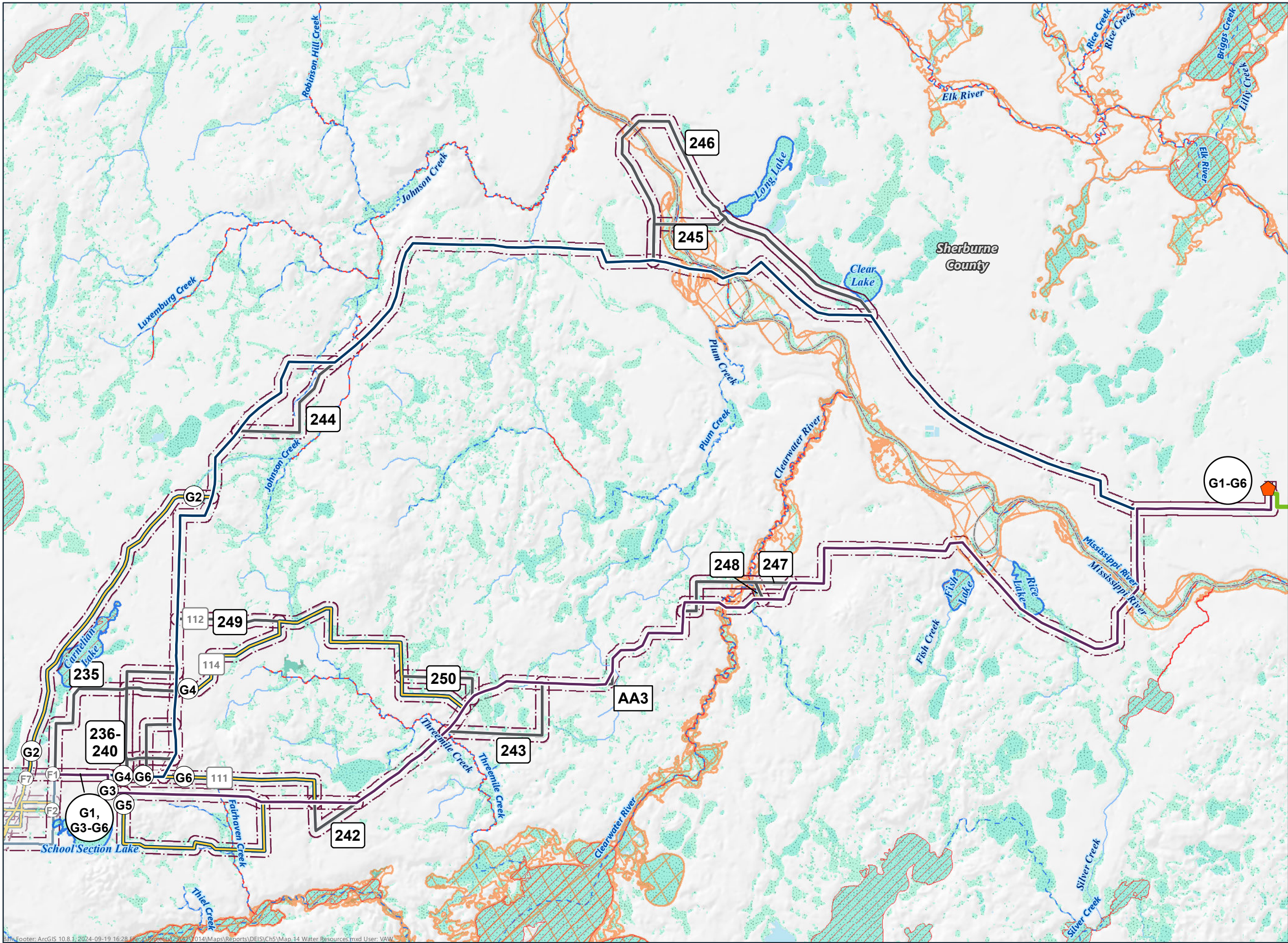
- (A1)** Route Segment Label
- 200** Refinement Label
- Route Segment E1 (Purple Route)
- Route Segment E2 (Blue Route)
- Route Segment (incorporates alternative[s])
- Refinement
- Route Connector
- Route Width
- NHD Watercourse
- PWI Watercourse
- MPCA Impaired Stream
- NHD Waterbody
- MPCA Impaired 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





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

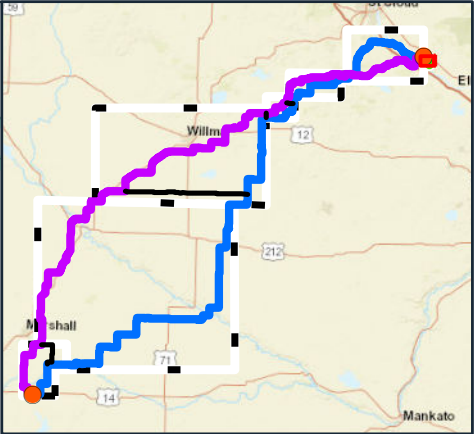
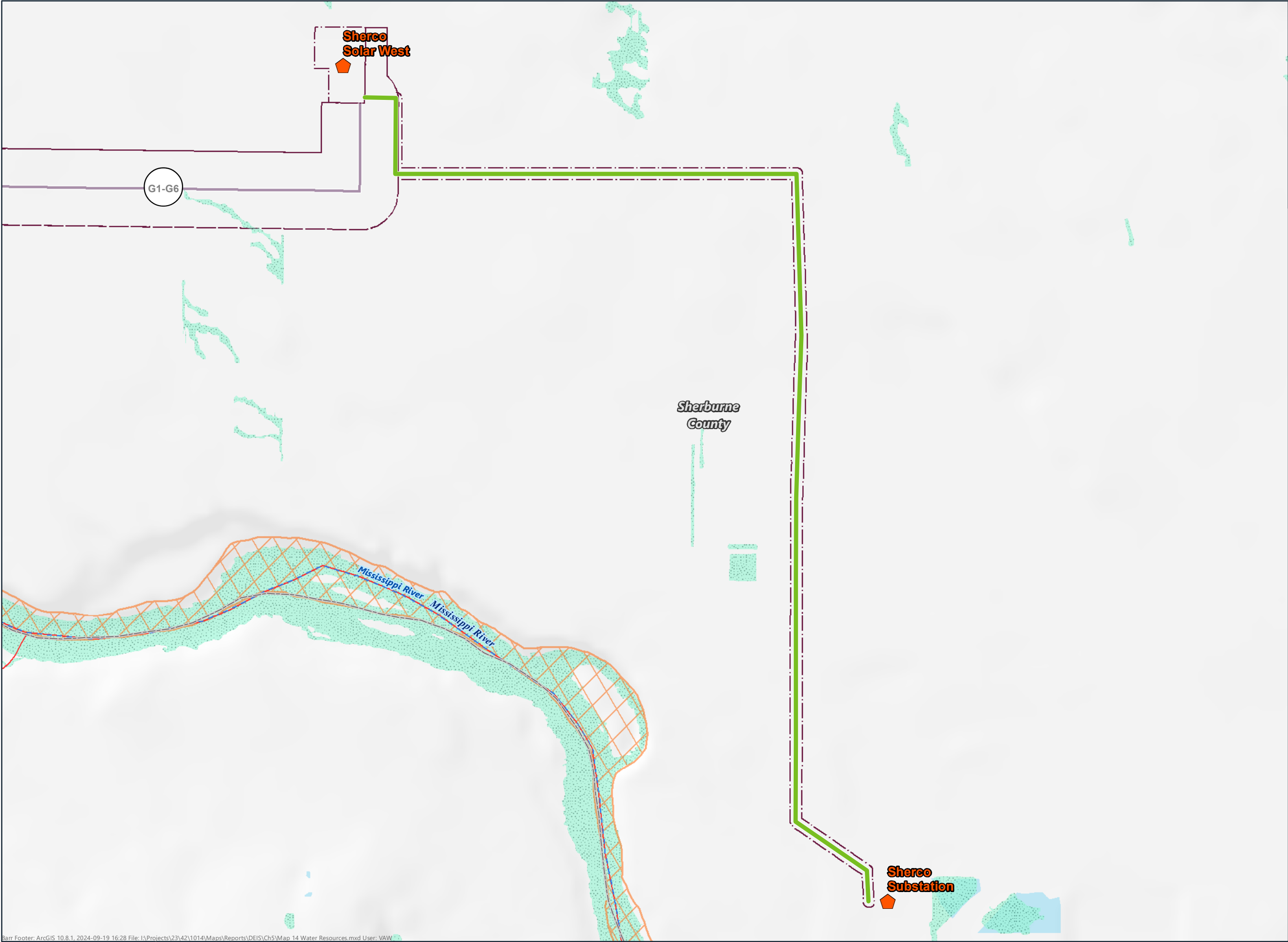
N

Feet
0 7,000 14,000

WATER RESOURCES
REGION G
Minnesota Energy
Connection Project

Map 14-10

Path: Footer: ArcGIS 10.8.1; 2024-09-19 16:28 File: \\n:\projects\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

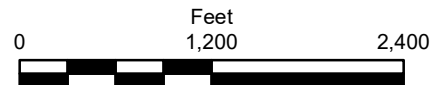
 NHD Waterbody

Wetlands

 Non-Forested Wetland

Floodplains

 100-Year Floodplain



**WATER RESOURCES
GREEN ROUTE SEGMENT**
Minnesota Energy
Connection Project

Map 14-11