

### Legend

● Home	○ Center Pivot Irrigation System
● Building or Structure	□ Township
⊕ Cemetery	⊕ Municipal Boundary
⊕ Church	▨ State WMA
■ Substation	▨ State SNA
🏫 School	🌊 100 Year Floodplain
⊕ Daycare Facility	🌿 NWI Wetlands
✈ Airport	🌊 Lakes
📡 FCC Antenna Structure	🌊 PWI Lake
🗑 Landfill and Dump	📄 USFWS WPA
⚡ Aggregate Source Pit	📄 USFWS Easement
🌊 Streams	📄 Mn/DOT Scenic Easement
🌊 PWI Stream	📄 Mn BWSR RIM Easement
🛣 Scenic Byway	📄 Mn Land Trust Easement
🛣 State/County Trails	🛣 MCBS Railroad ROW Prairie
🛣 Existing Pipeline	🛣 Calcareous Fen
<b>Transmission Line (kV)</b>	🌿 Native Plant Communities
🟡 400	<b>MCBS Sites of Biodiversity Significance</b>
🟠 345	🌿 High
🟢 250	🌿 Outstanding
🟡 230	🌿 Moderate
🟠 115	
🟢 69	

Preferred Route	Preferred Route Segment Alternative	Alternate Route A
Preferred Route Maximum Interstate Corridor Sharing Alignment (5-foot offset)	Preferred Route Segment Alternative Alignment	Alternate Route A Alignment
Preferred Route Minimum Interstate Corridor Sharing Alignment (25-foot offset)	Quarry Substation Siting Area	
Preferred Route No Interstate Corridor Sharing Alignment (75-foot offset)		

See Section 10.2 for data sources. \* Only homes and buildings/structures within the Proposed Routes are depicted

## Appendix B.1

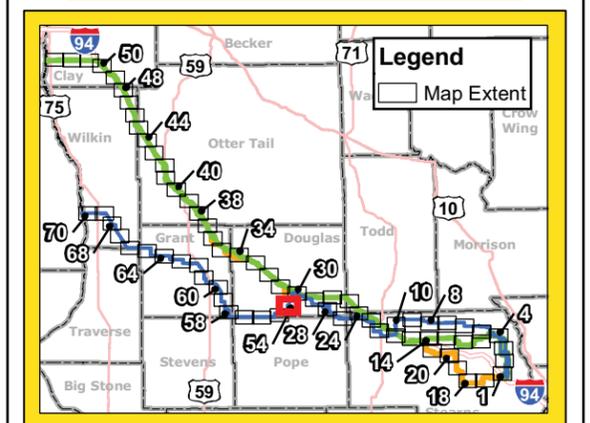
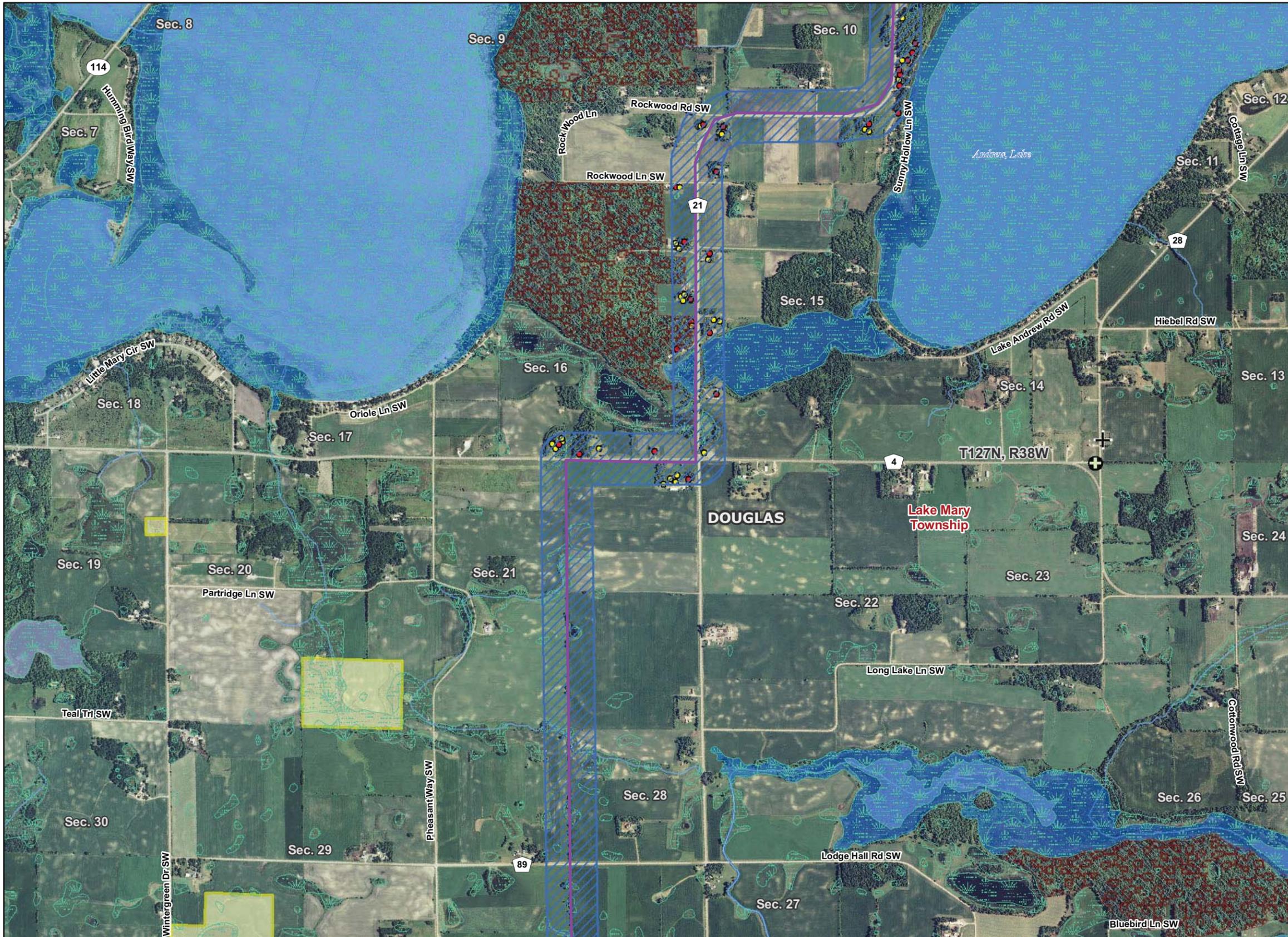
### Detailed Aerial Route Maps

#### Route Permit

#### Fargo to St. Cloud

#### 345 kV Transmission Line

FILING DATE: 10/1/09	<b>53</b>
DRAWN BY: MLTeichert M:\Clients\W-X\XCL\CapX\Fargol_ArcGIS\2009\08\App_Figures\XCL_CAPX_Fargo_Aerial_Route_Maps.mxd	



Legend	
● Home	○ Center Pivot Irrigation System
● Building or Structure	□ Township
⊕ Cemetery	⊕ Municipal Boundary
⊕ Church	▨ State WMA
■ Substation	▨ State SNA
🏫 School	🌊 100 Year Floodplain
⊕ Daycare Facility	🌿 NWI Wetlands
✈ Airport	🌊 Lakes
📡 FCC Antenna Structure	🌊 PWI Lake
🗑 Landfill and Dump	🟡 USFWS WPA
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🌊 Streams	📄 Mn/DOT Scenic Easement
🌊 PWI Stream	📄 MN BWSR RIM Easement
🛣 Scenic Byway	📄 MN Land Trust Easement
🛣 State/County Trails	📄 MCBS Railroad ROW Prairie
🛣 Existing Pipeline	📄 Calcareous Fen
	📄 Native Plant Communities
	<b>MCBS Sites of Biodiversity Significance</b>
	📄 High
	📄 Outstanding
	📄 Moderate
<b>Transmission Line (kV)</b>	
🟡 400	
🔴 345	
🟢 250	
🟠 230	
🟡 115	
🟢 69	

**Appendix B.1  
Detailed Aerial Route Maps**

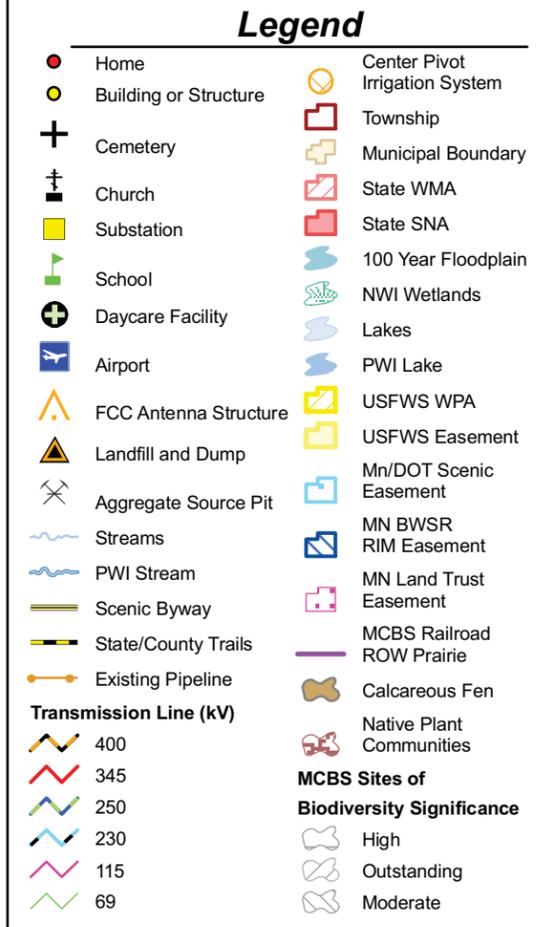
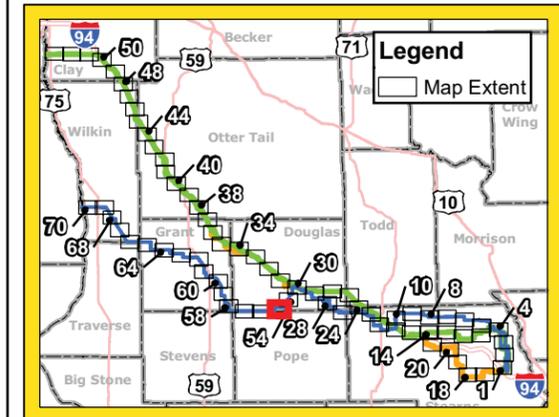
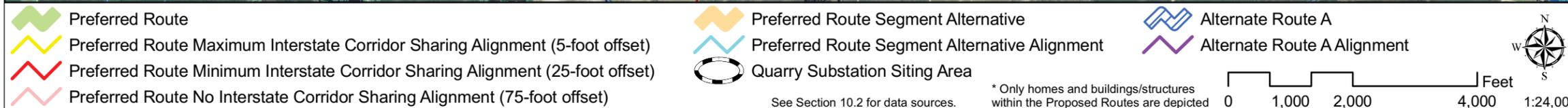
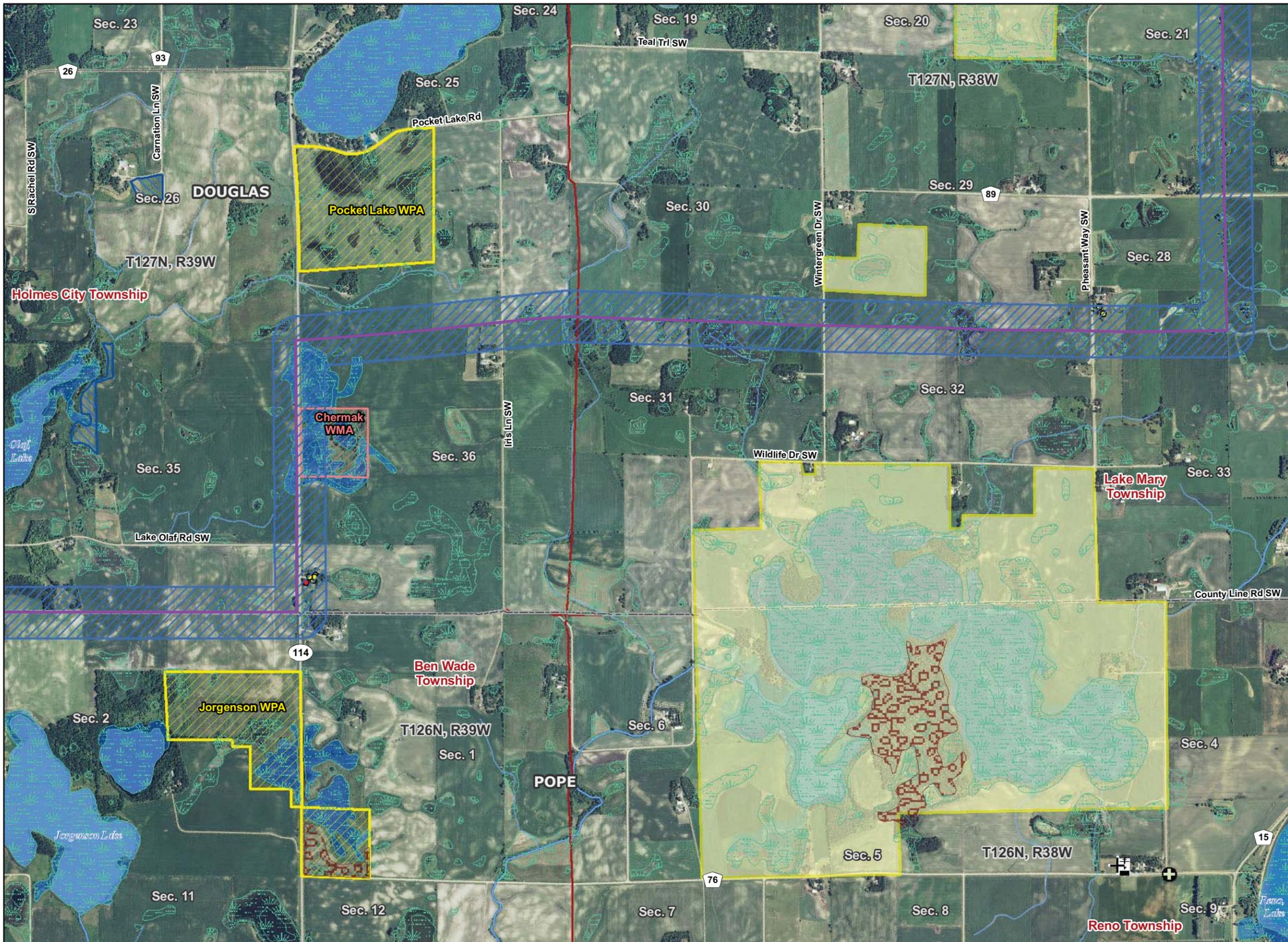
**Route Permit  
Fargo to St. Cloud  
345 kV Transmission Line**

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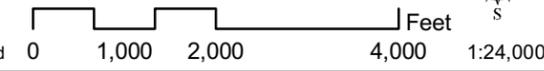
\* Only homes and buildings/structures within the Proposed Routes are depicted

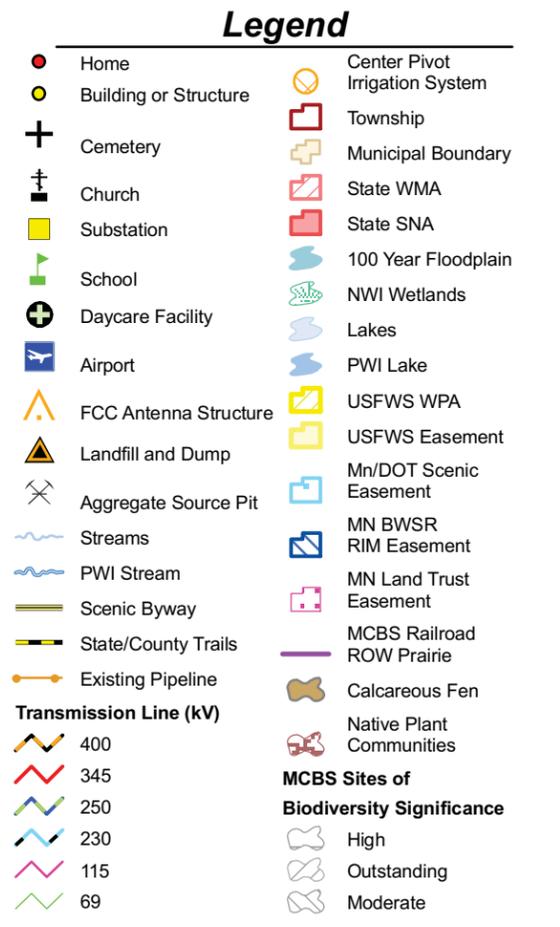
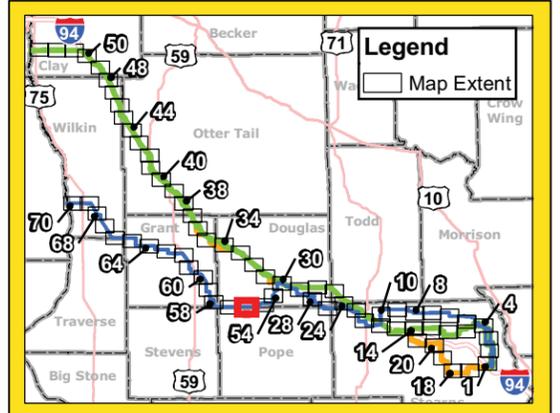
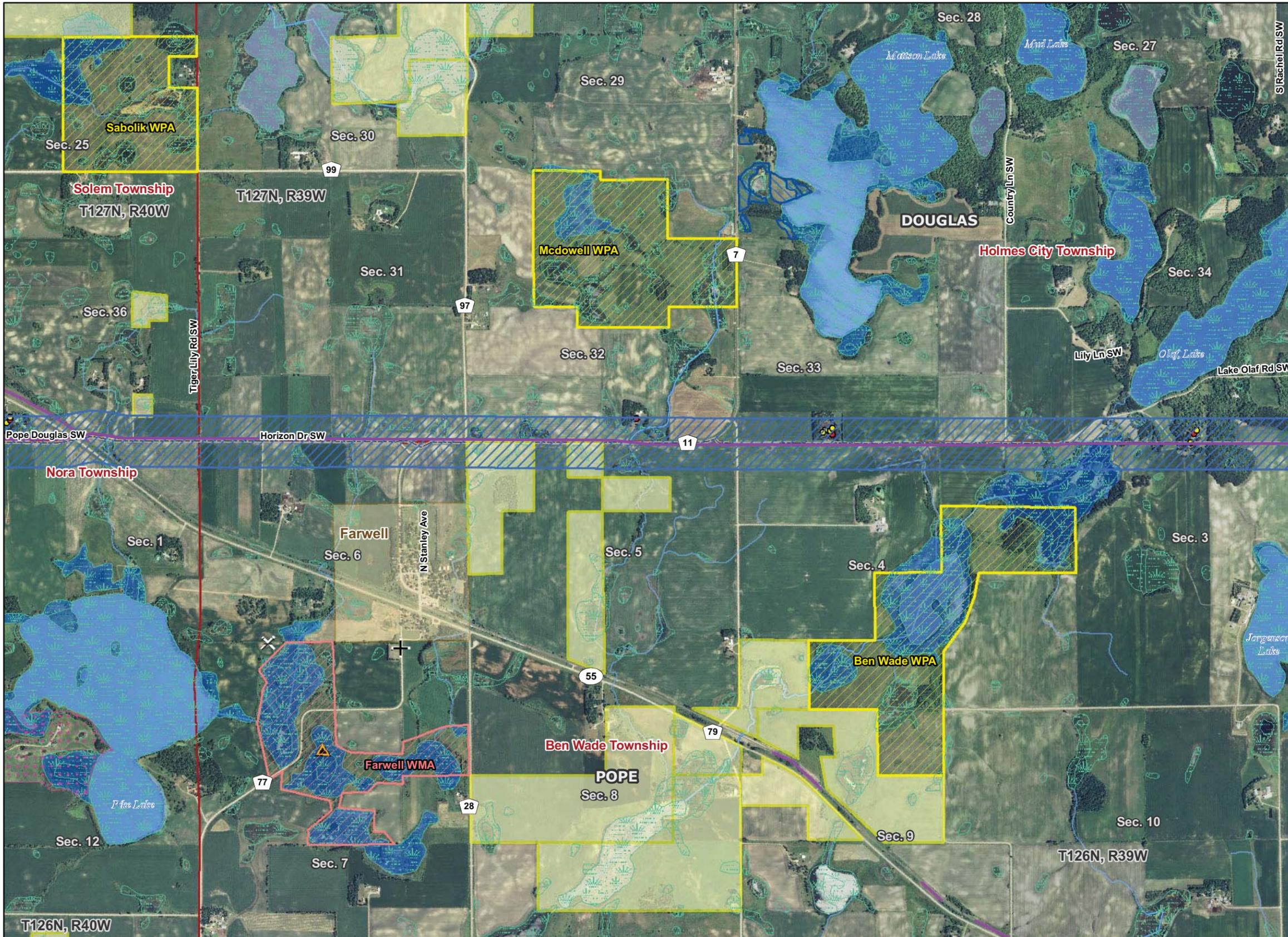
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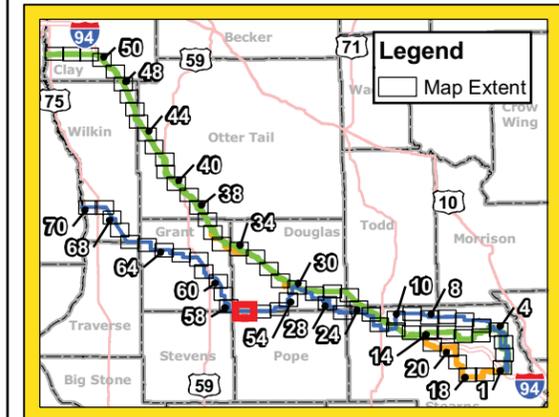
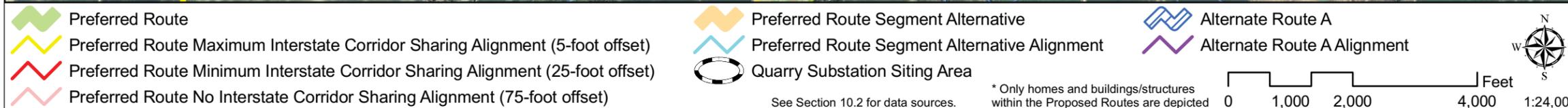
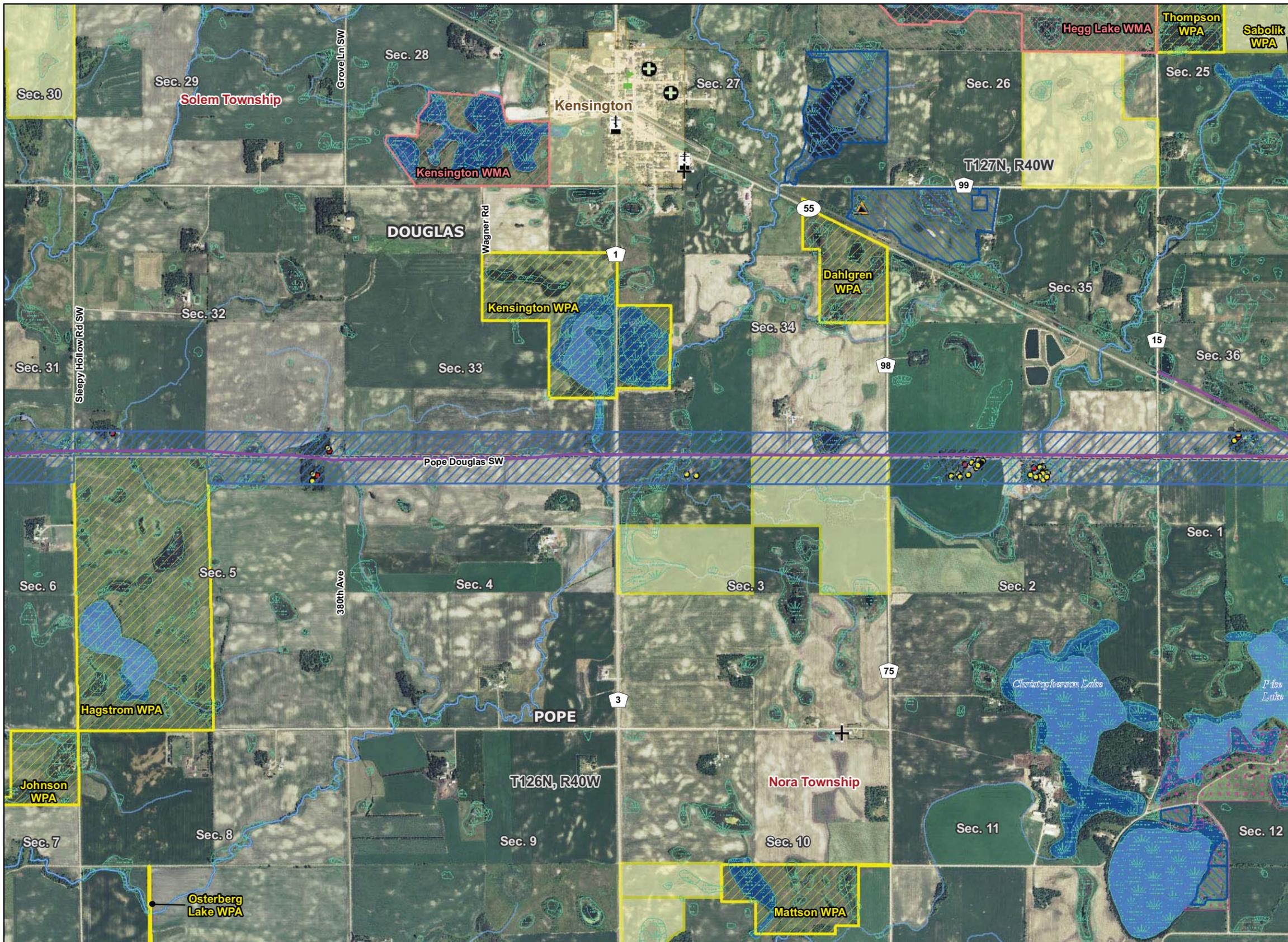


**Appendix B.1**  
**Detailed Aerial Route Maps**  
Route Permit  
 Fargo to St. Cloud  
 345 kV Transmission Line





**Appendix B.1**  
**Detailed Aerial Route Maps**  
Route Permit  
 Fargo to St. Cloud  
 345 kV Transmission Line

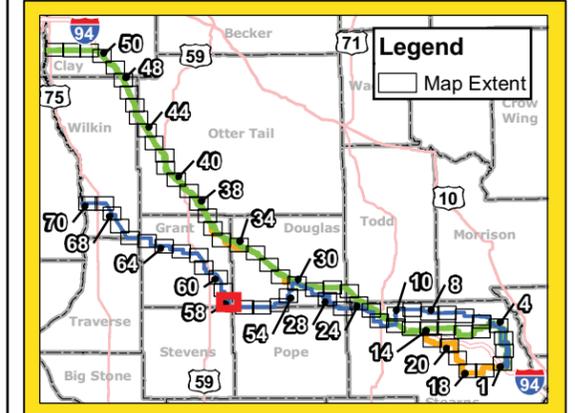
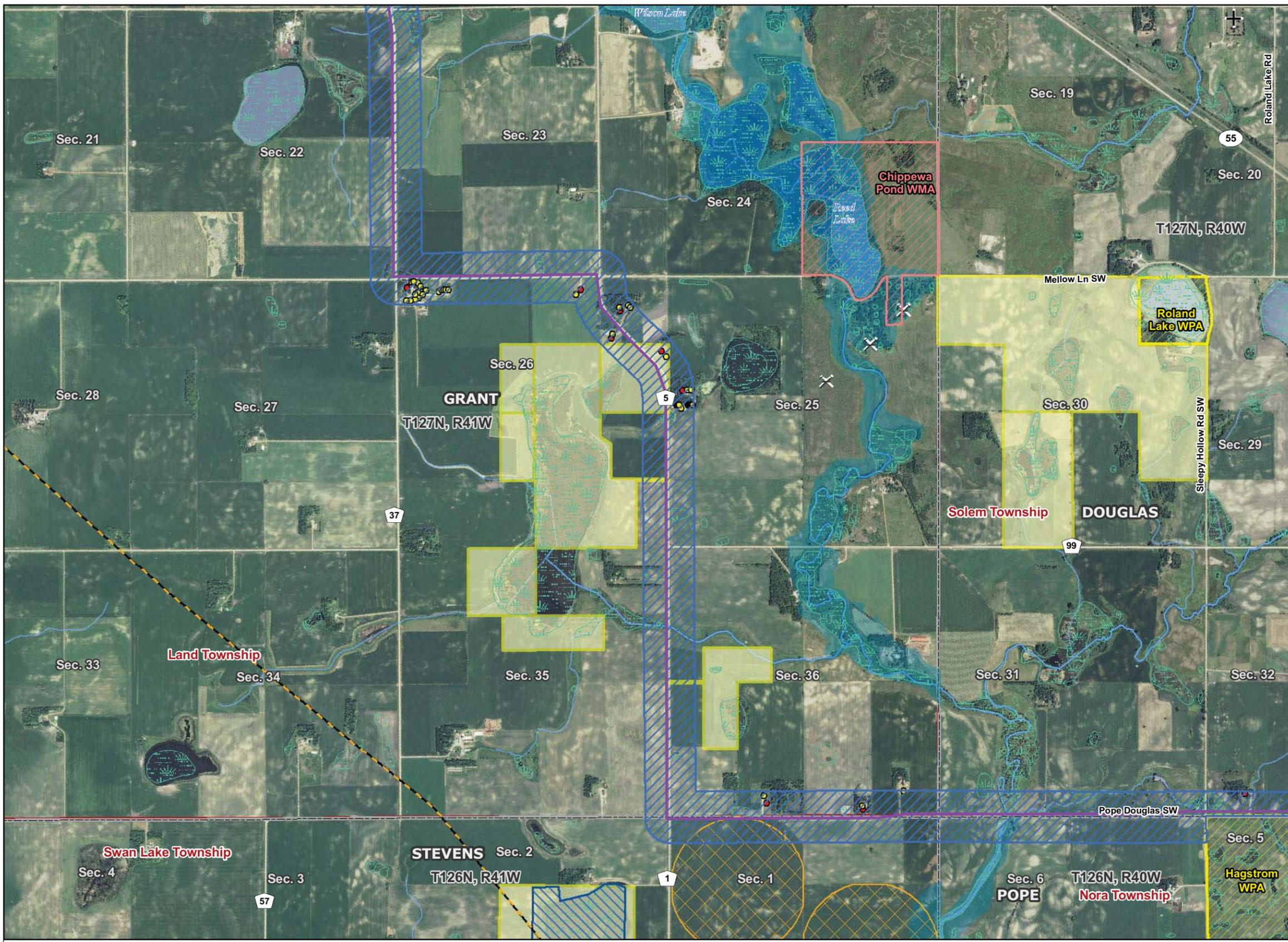


**Legend**

● Home	○ Center Pivot Irrigation System
● Building or Structure	□ Township
⊕ Cemetery	⊕ Municipal Boundary
⊕ Church	▨ State WMA
■ Substation	▨ State SNA
🏫 School	🌊 100 Year Floodplain
⊕ Daycare Facility	🌿 NWI Wetlands
✈ Airport	🌊 Lakes
📡 FCC Antenna Structure	🌊 PWI Lake
🗑 Landfill and Dump	📄 USFWS WPA
⚡ Aggregate Source Pit	📄 USFWS Easement
🌊 Streams	📄 Mn/DOT Scenic Easement
🌊 PWI Stream	📄 Mn BWSR RIM Easement
🛣 Scenic Byway	📄 Mn Land Trust Easement
🛣 State/County Trails	🛣 MCBS Railroad ROW Prairie
🛣 Existing Pipeline	🛣 Calcareous Fen
	🌿 Native Plant Communities
	<b>MCBS Sites of Biodiversity Significance</b>
	🌿 High
	🌿 Outstanding
	🌿 Moderate

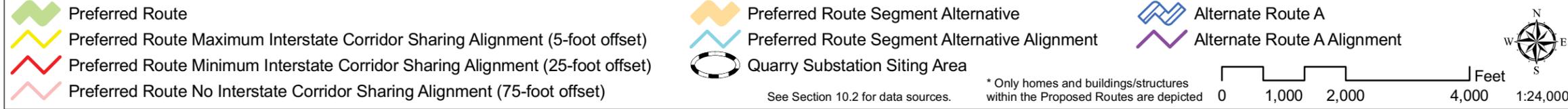
**Appendix B.1**  
**Detailed Aerial Route Maps**  
 Route Permit  
 Fargo to St. Cloud  
 345 kV Transmission Line

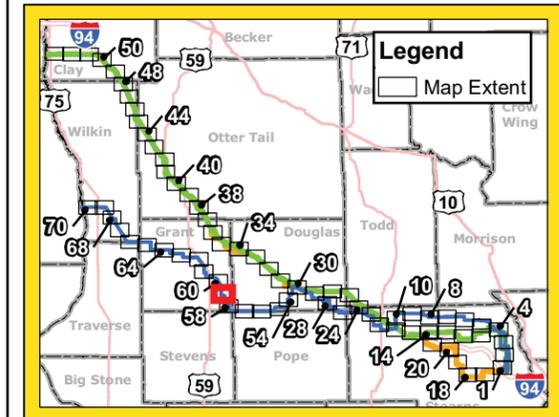
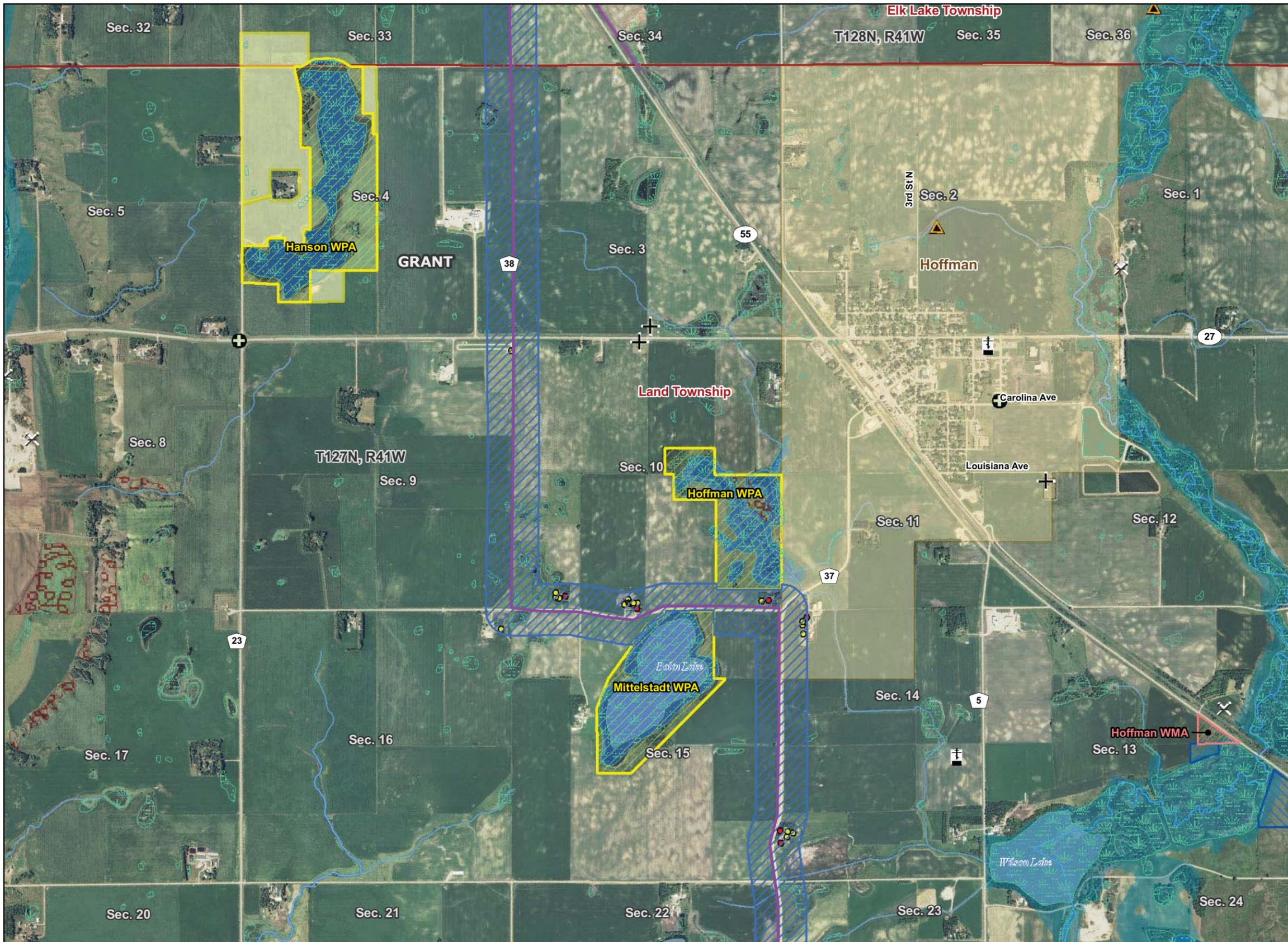
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### Legend

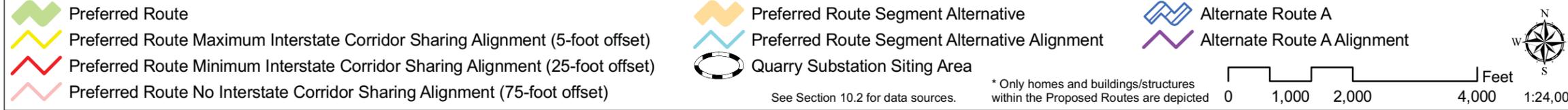
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● Building or Structure	□ Township
⊕ Cemetery	⊕ Municipal Boundary
⊕ Church	▨ State WMA
■ Substation	▨ State SNA
🏫 School	🌊 100 Year Floodplain
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🛣 Scenic Byway	📄 Mn Land Trust Easement
🛣 State/County Trails	📄 MCBS Railroad ROW Prairie
🛣 Existing Pipeline	📄 Calcareous Fen
	📄 Native Plant Communities
<b>Transmission Line (kV)</b>	
🟡 400	
🟠 345	
🟢 250	
🟡 230	
🟠 115	
🟢 69	
<b>MCBS Sites of Biodiversity Significance</b>	
📄 High	
📄 Outstanding	
📄 Moderate	

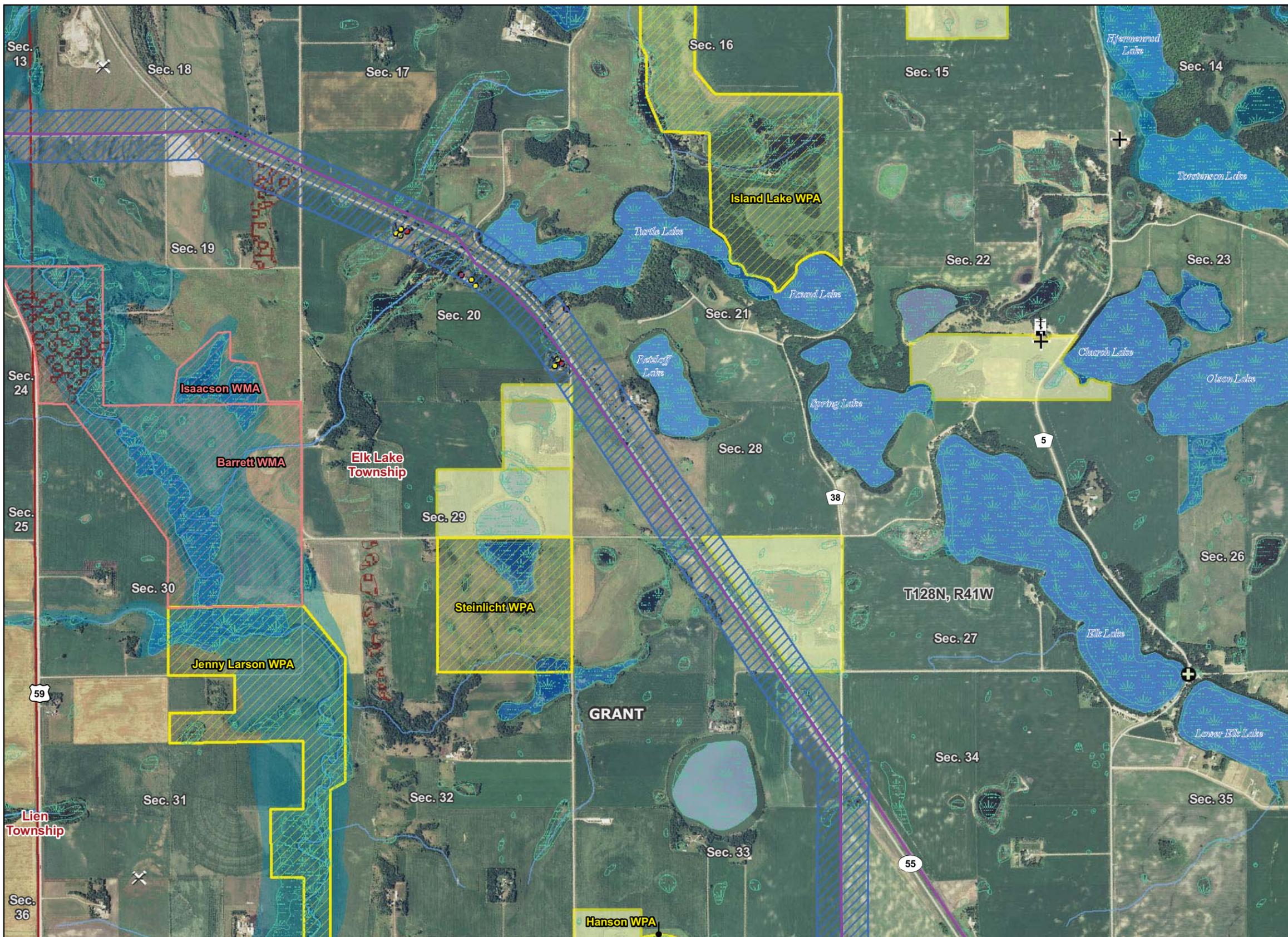
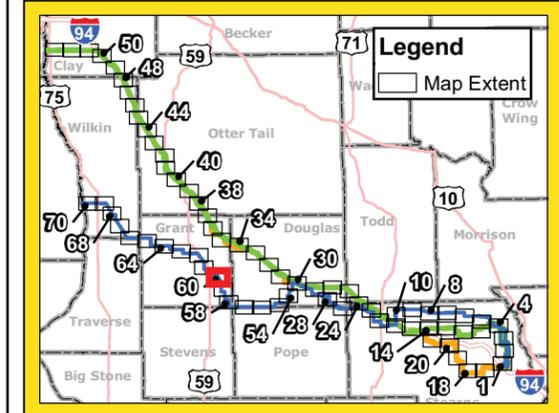




**Legend**

● Home	○ Center Pivot Irrigation System
● Building or Structure	□ Township
⊕ Cemetery	⊕ Municipal Boundary
⊕ Church	▨ State WMA
■ Substation	▨ State SNA
🏫 School	🌊 100 Year Floodplain
⊕ Daycare Facility	🌿 NWI Wetlands
✈ Airport	🌊 Lakes
📡 FCC Antenna Structure	🌊 PWI Lake
🗑 Landfill and Dump	📄 USFWS WPA
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🌊 Streams	📄 Mn/DOT Scenic Easement
🌊 PWI Stream	📄 Mn BWSR RIM Easement
🛣 Scenic Byway	📄 Mn Land Trust Easement
🛣 State/County Trails	🛣 MCBS Railroad ROW Prairie
🛣 Existing Pipeline	🐾 Calcareous Fen
<b>Transmission Line (kV)</b>	🌿 Native Plant Communities
🟡 400	<b>MCBS Sites of Biodiversity Significance</b>
🟠 345	🌿 High
🟢 250	🌿 Outstanding
🟡 230	🌿 Moderate
🟠 115	
🟢 69	





### Legend

● Home	○ Center Pivot Irrigation System
● Building or Structure	□ Township
⊕ Cemetery	⊕ Municipal Boundary
⊕ Church	▨ State WMA
■ Substation	▨ State SNA
🎓 School	🌊 100 Year Floodplain
⊕ Daycare Facility	🌿 NWI Wetlands
✈ Airport	🌊 Lakes
📡 FCC Antenna Structure	🌊 PWI Lake
🗑 Landfill and Dump	📄 USFWS WPA
⊗ Aggregate Source Pit	📄 USFWS Easement
🌊 Streams	📄 Mn/DOT Scenic Easement
🌊 PWI Stream	📄 Mn BWSR RIM Easement
🛣 Scenic Byway	📄 Mn Land Trust Easement
🛣 State/County Trails	📄 MCBS Railroad ROW Prairie
🛣 Existing Pipeline	📄 Calcareous Fen
	📄 Native Plant Communities
<b>Transmission Line (kV)</b>	
📄 400	
📄 345	
📄 250	
📄 230	
📄 115	
📄 69	
<b>MCBS Sites of Biodiversity Significance</b>	
📄 High	
📄 Outstanding	
📄 Moderate	

📄 Preferred Route	📄 Preferred Route Segment Alternative	📄 Alternate Route A
📄 Preferred Route Maximum Interstate Corridor Sharing Alignment (5-foot offset)	📄 Preferred Route Segment Alternative Alignment	📄 Alternate Route A Alignment
📄 Preferred Route Minimum Interstate Corridor Sharing Alignment (25-foot offset)	📄 Quarry Substation Siting Area	
📄 Preferred Route No Interstate Corridor Sharing Alignment (75-foot offset)		

See Section 10.2 for data sources. \* Only homes and buildings/structures within the Proposed Routes are depicted

0 1,000 2,000 4,000 Feet 1:24,000

### Appendix B.1 Detailed Aerial Route Maps

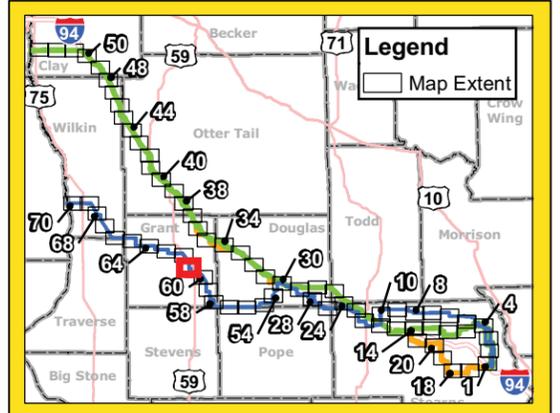
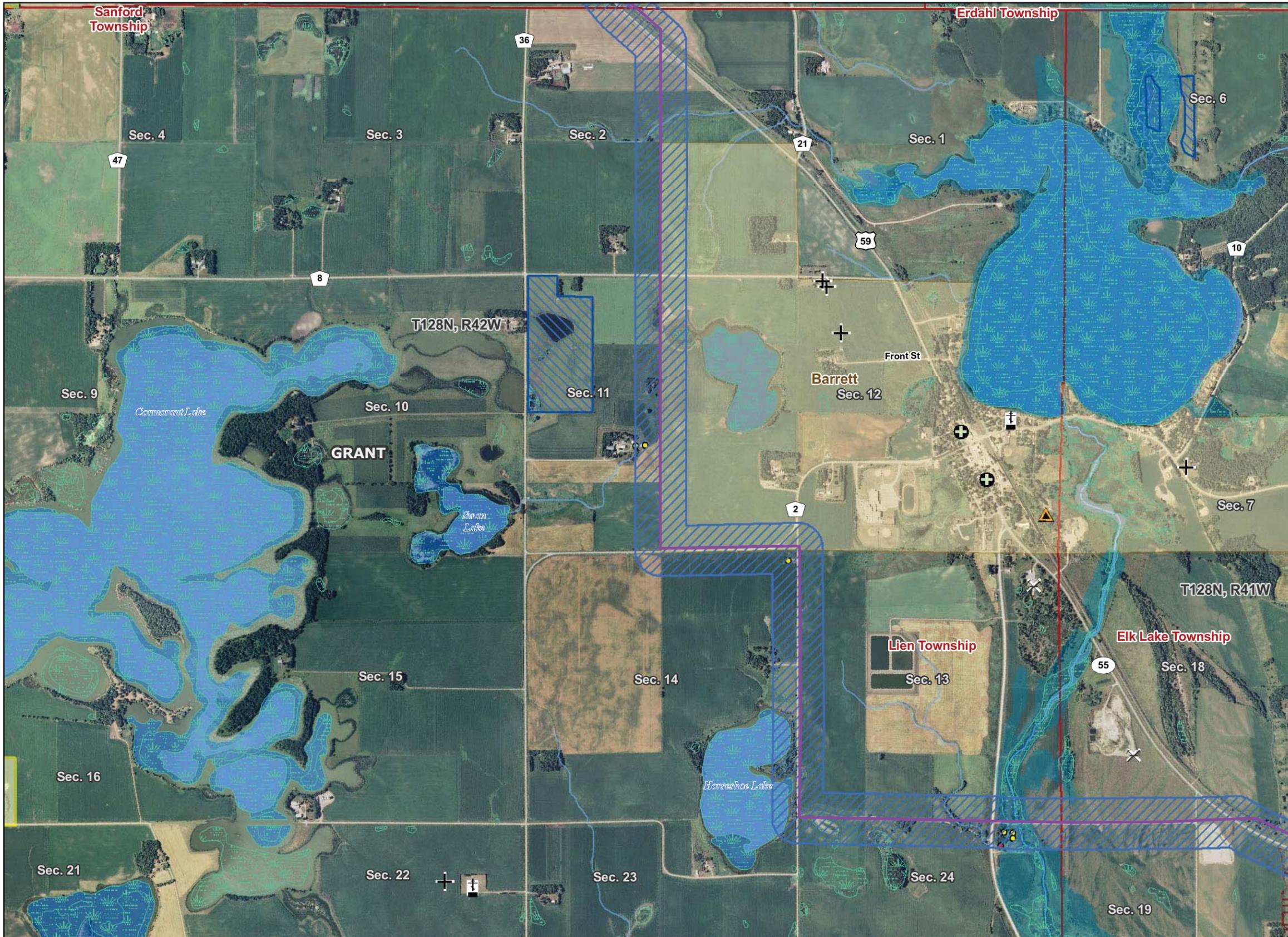
#### Route Permit Fargo to St. Cloud 345 kV Transmission Line

FILING DATE: 10/1/09

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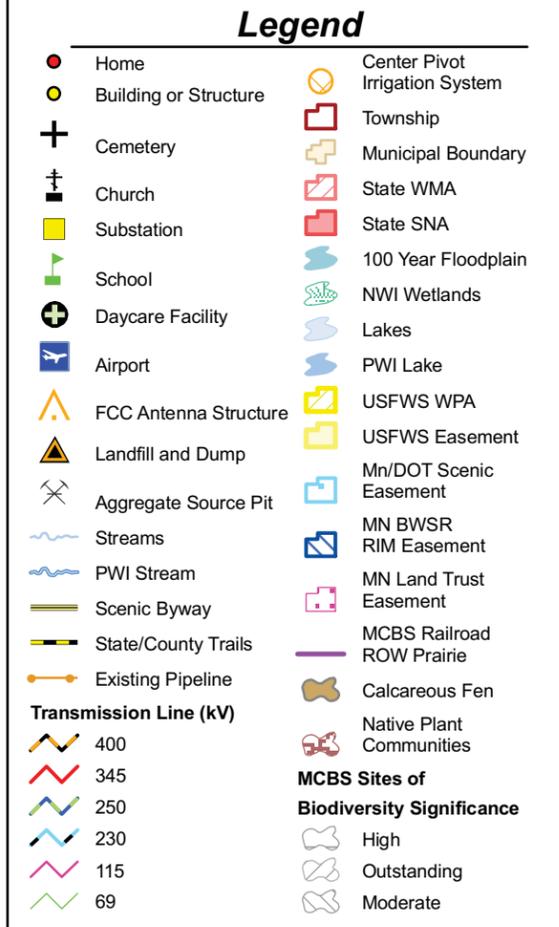
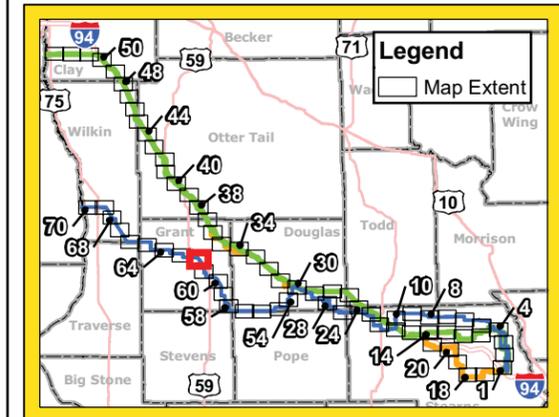
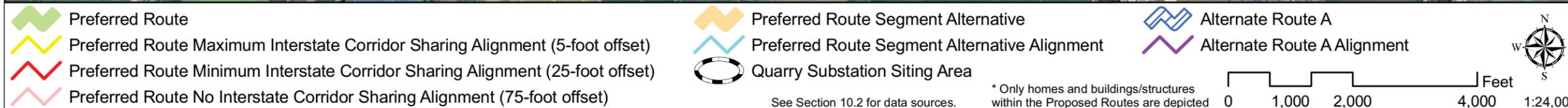
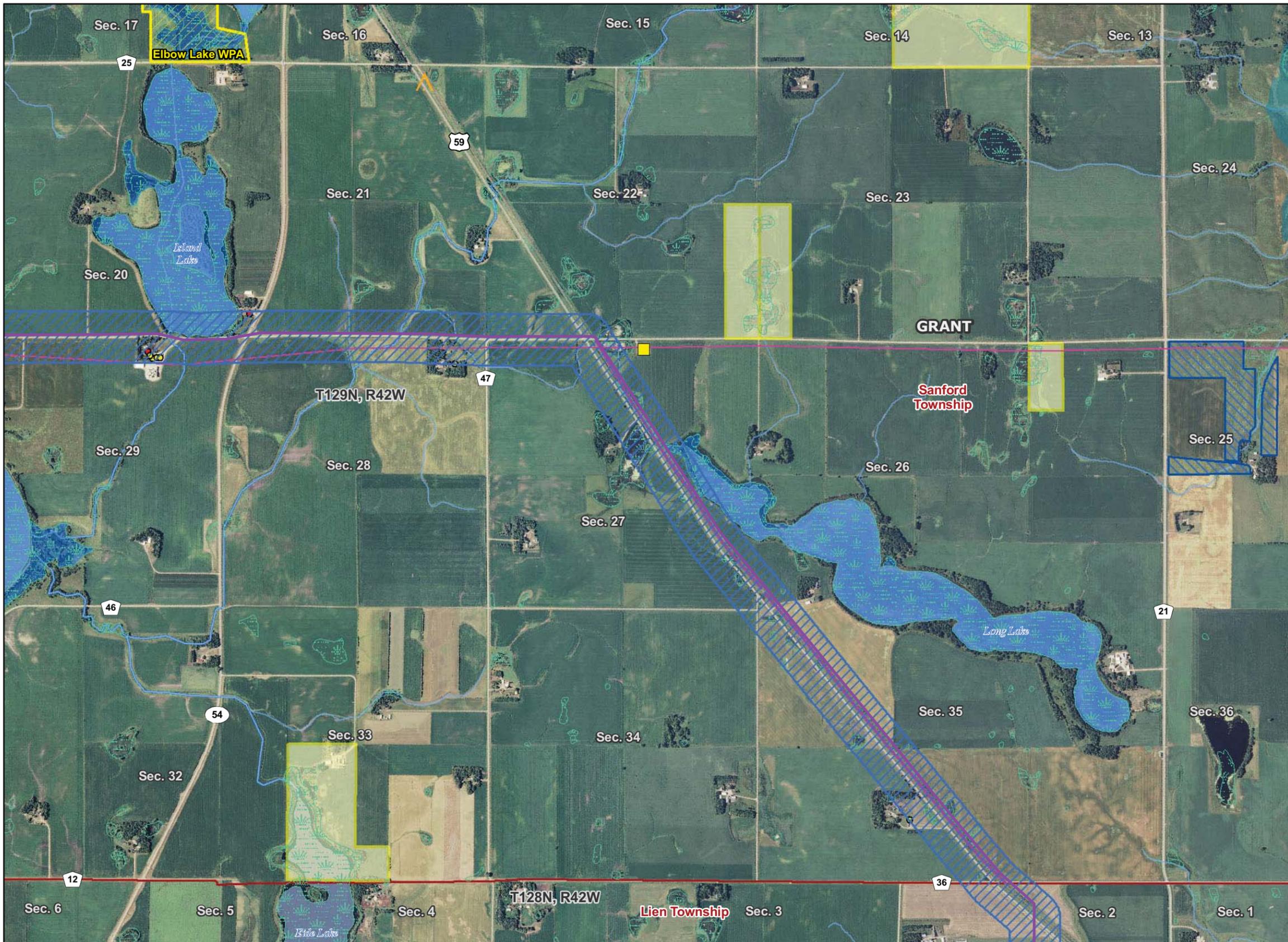
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**60**

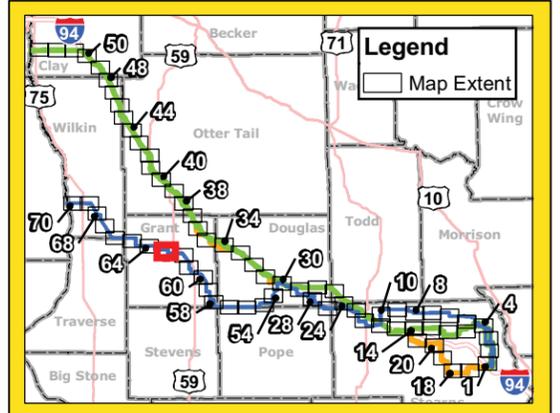
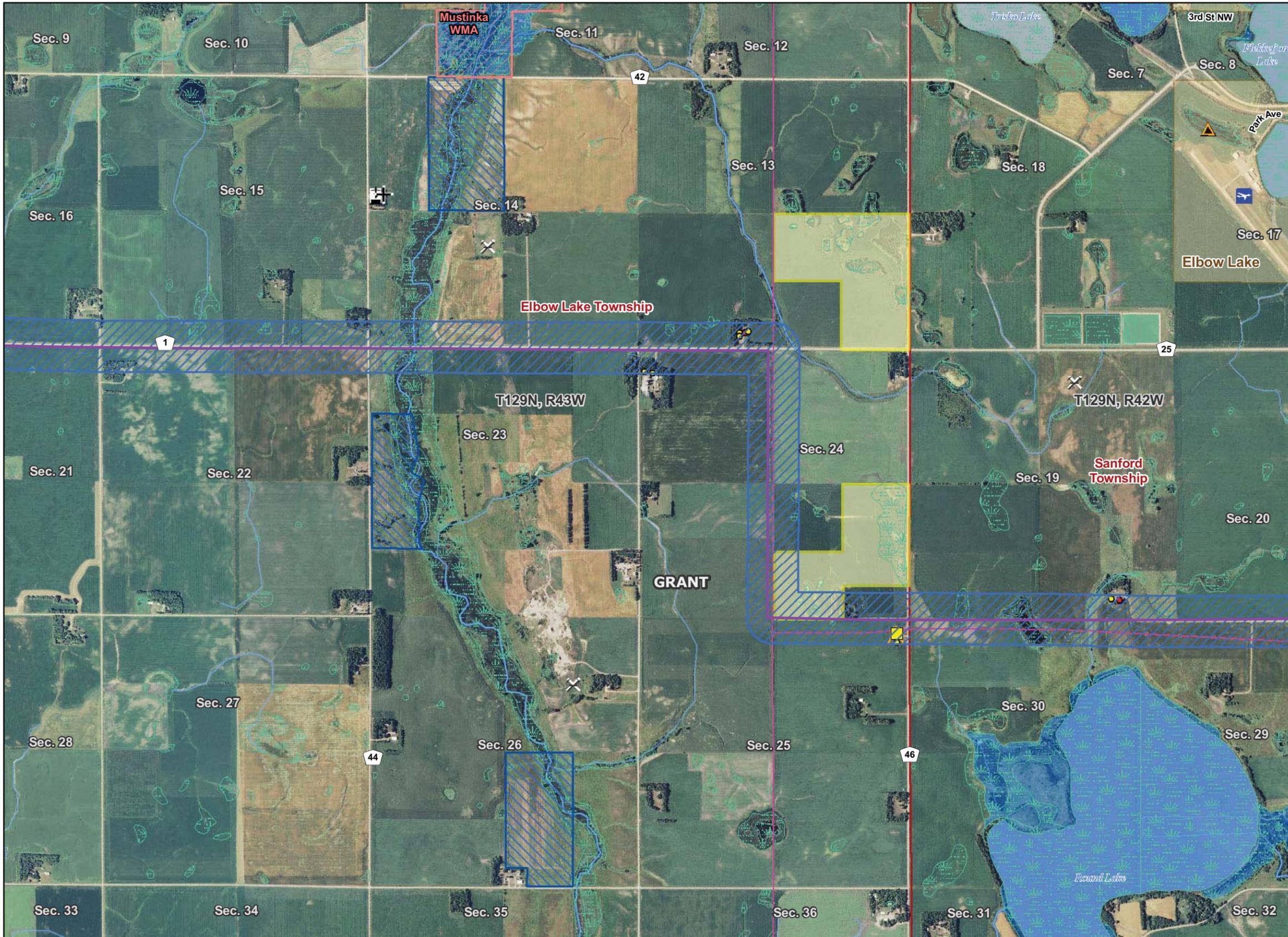


- Legend**
- Home
  - Building or Structure
  - Cemetery
  - Church
  - Substation
  - School
  - Daycare Facility
  - Airport
  - FCC Antenna Structure
  - Landfill and Dump
  - Aggregate Source Pit
  - Streams
  - PWI Stream
  - Scenic Byway
  - State/County Trails
  - Existing Pipeline
  - Center Pivot Irrigation System
  - Township
  - Municipal Boundary
  - State WMA
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  - 100 Year Floodplain
  - NWI Wetlands
  - Lakes
  - PWI Lake
  - USFWS WPA
  - USFWS Easement
  - Mn/DOT Scenic Easement
  - MN BWSR RIM Easement
  - MN Land Trust Easement
  - MCBS Railroad ROW Prairie
  - Calcareous Fen
  - Native Plant Communities
  - MCBS Sites of Biodiversity Significance
    - High
    - Outstanding
    - Moderate

- Preferred Route
  - Preferred Route Maximum Interstate Corridor Sharing Alignment (5-foot offset)
  - Preferred Route Minimum Interstate Corridor Sharing Alignment (25-foot offset)
  - Preferred Route No Interstate Corridor Sharing Alignment (75-foot offset)
  - Preferred Route Segment Alternative
  - Preferred Route Segment Alternative Alignment
  - Quarry Substation Siting Area
  - Alternate Route A
  - Alternate Route A Alignment
- \* Only homes and buildings/structures within the Proposed Routes are depicted
- See Section 10.2 for data sources.
- 0 1,000 2,000 4,000 Feet  
1:24,000



**Appendix B.1**  
**Detailed Aerial Route Maps**  
Route Permit  
 Fargo to St. Cloud  
 345 kV Transmission Line



- Legend**
- Home
  - Building or Structure
  - Cemetery
  - Church
  - Substation
  - School
  - Daycare Facility
  - Airport
  - FCC Antenna Structure
  - Landfill and Dump
  - Aggregate Source Pit
  - Streams
  - PWI Stream
  - Scenic Byway
  - State/County Trails
  - Existing Pipeline
  - Center Pivot Irrigation System
  - Township
  - Municipal Boundary
  - State WMA
  - State SNA
  - 100 Year Floodplain
  - NWI Wetlands
  - Lakes
  - PWI Lake
  - USFWS WPA
  - USFWS Easement
  - Mn/DOT Scenic Easement
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  - MN Land Trust Easement
  - MCBS Railroad ROW Prairie
  - Calcareous Fen
  - Native Plant Communities
  - MCBS Sites of Biodiversity Significance
    - High
    - Outstanding
    - Moderate

- Preferred Route
  - Preferred Route Maximum Interstate Corridor Sharing Alignment (5-foot offset)
  - Preferred Route Minimum Interstate Corridor Sharing Alignment (25-foot offset)
  - Preferred Route No Interstate Corridor Sharing Alignment (75-foot offset)
  - Preferred Route Segment Alternative
  - Preferred Route Segment Alternative Alignment
  - Quarry Substation Siting Area
  - Alternate Route A
  - Alternate Route A Alignment
- \* Only homes and buildings/structures within the Proposed Routes are depicted
- See Section 10.2 for data sources.
- 0 1,000 2,000 4,000 Feet
- 1:24,000

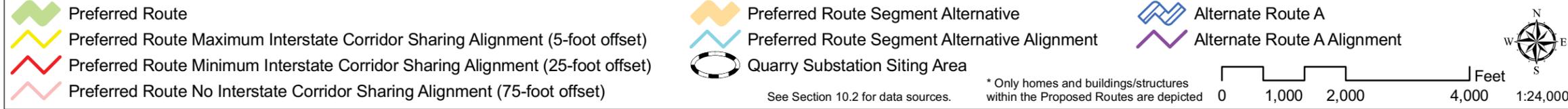
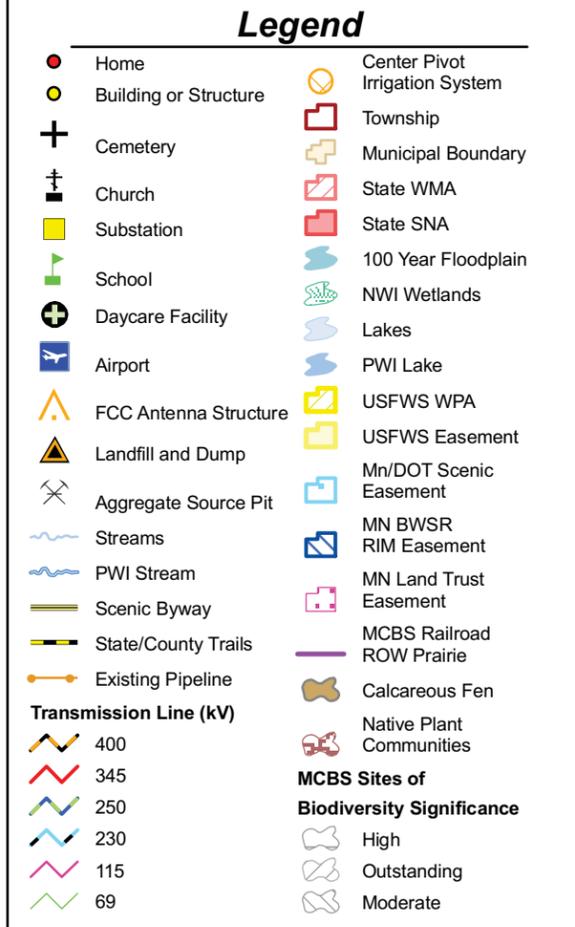
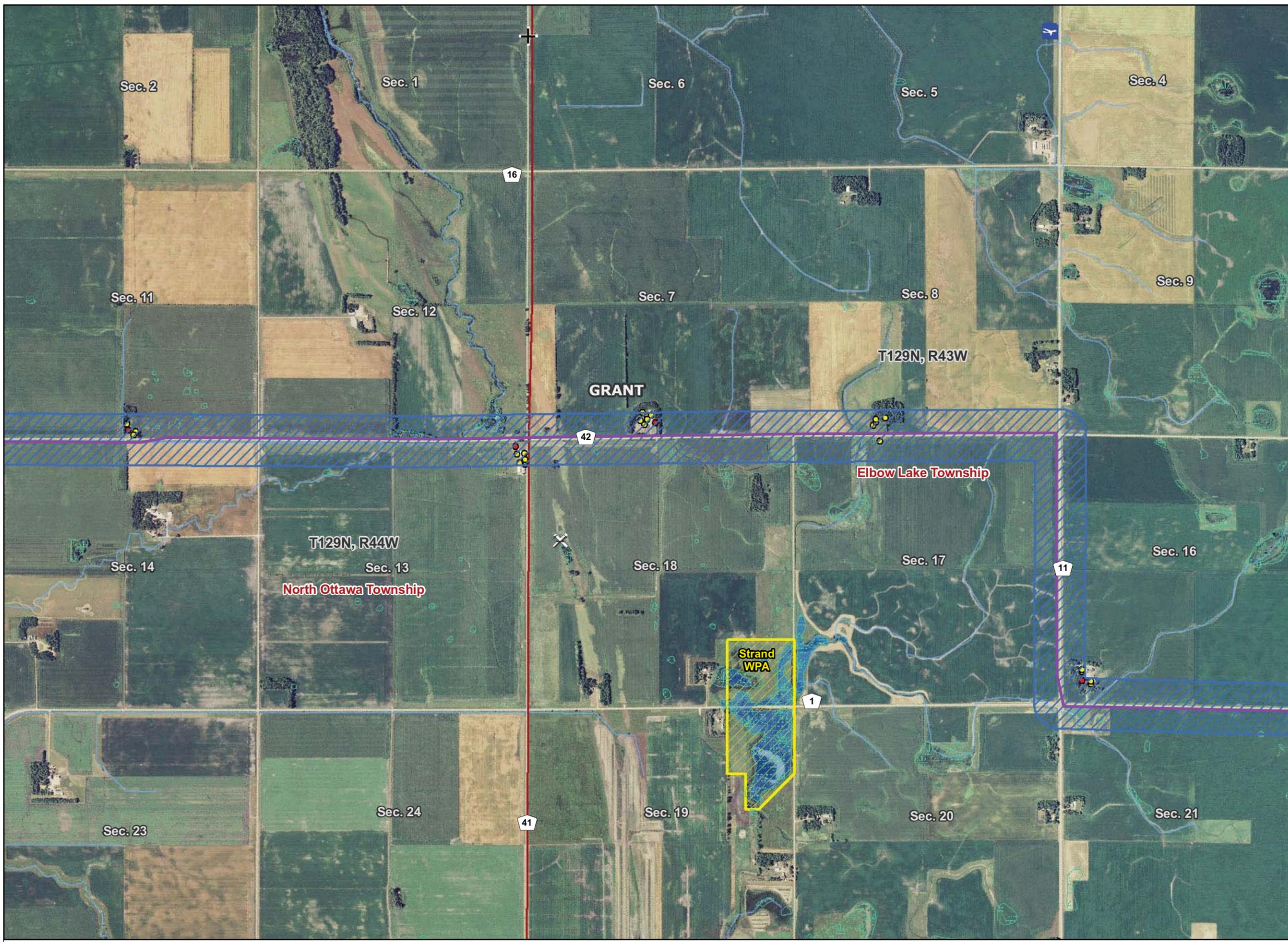
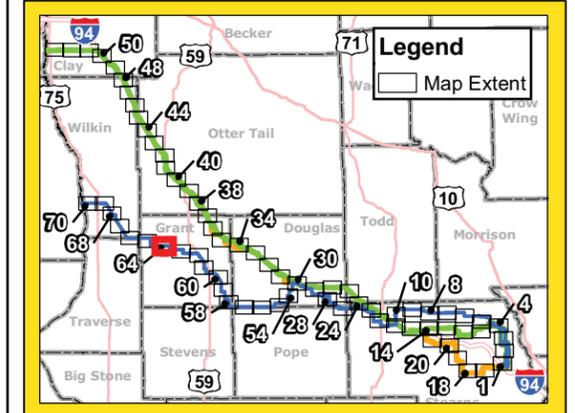
**Appendix B.1**  
**Detailed Aerial Route Maps**  
 Route Permit  
 Fargo to St. Cloud  
 345 kV Transmission Line

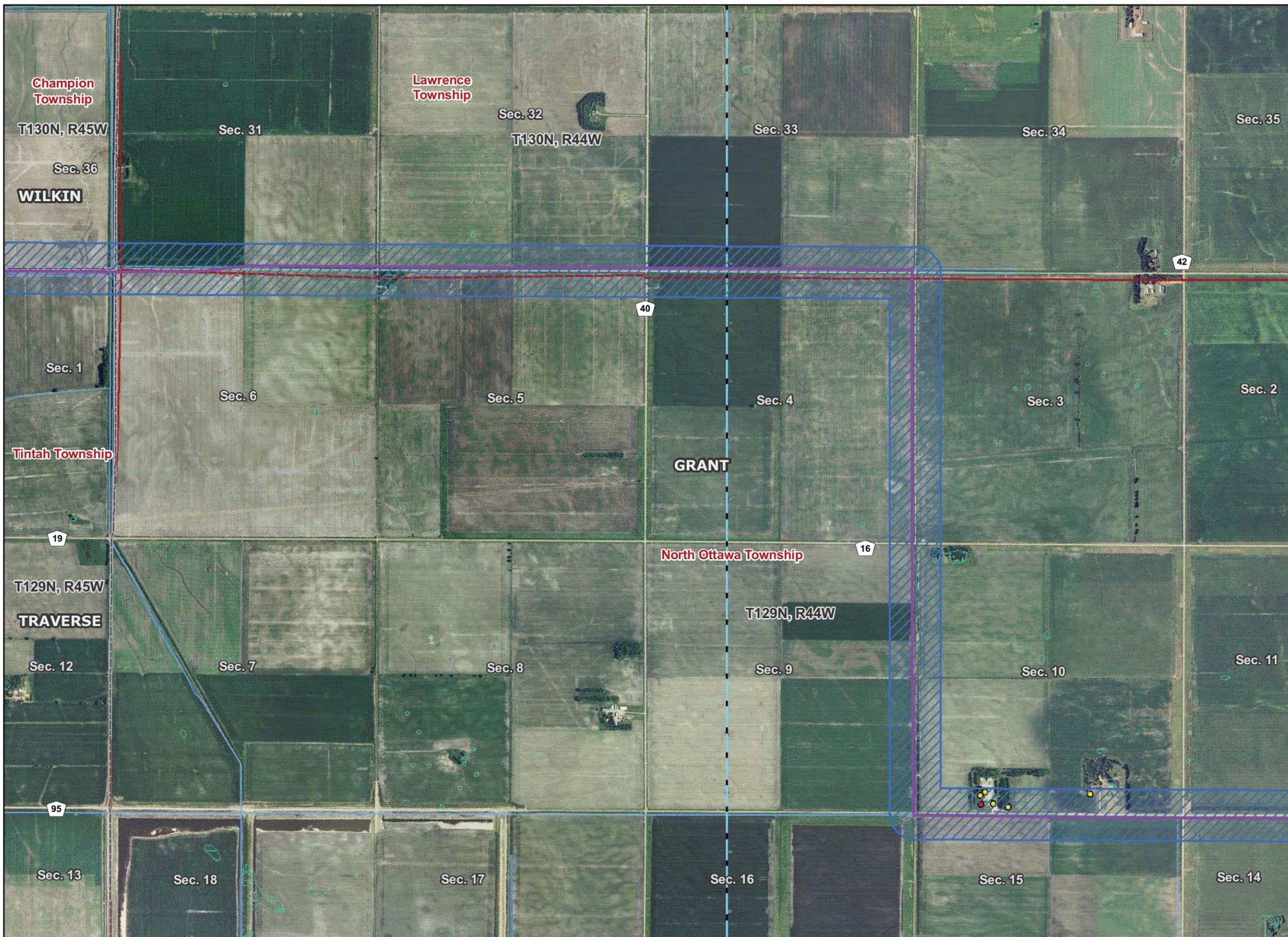
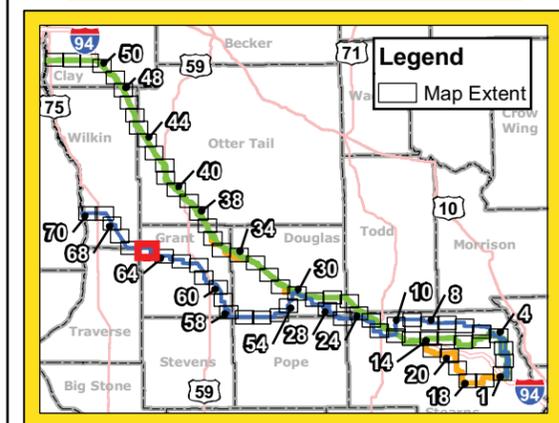
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DRAWN BY: MLTeichert

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**63**





- Legend**
- Home
  - Building or Structure
  - Cemetery
  - Church
  - Substation
  - School
  - Daycare Facility
  - Airport
  - FCC Antenna Structure
  - Landfill and Dump
  - Aggregate Source Pit
  - Streams
  - PWI Stream
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  - MCBS Sites of Biodiversity Significance
    - High
    - Outstanding
    - Moderate
- Transmission Line (kV)**
- 400
  - 345
  - 250
  - 230
  - 115
  - 69

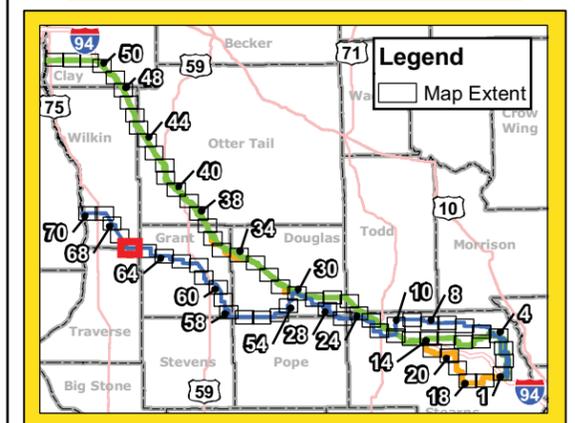
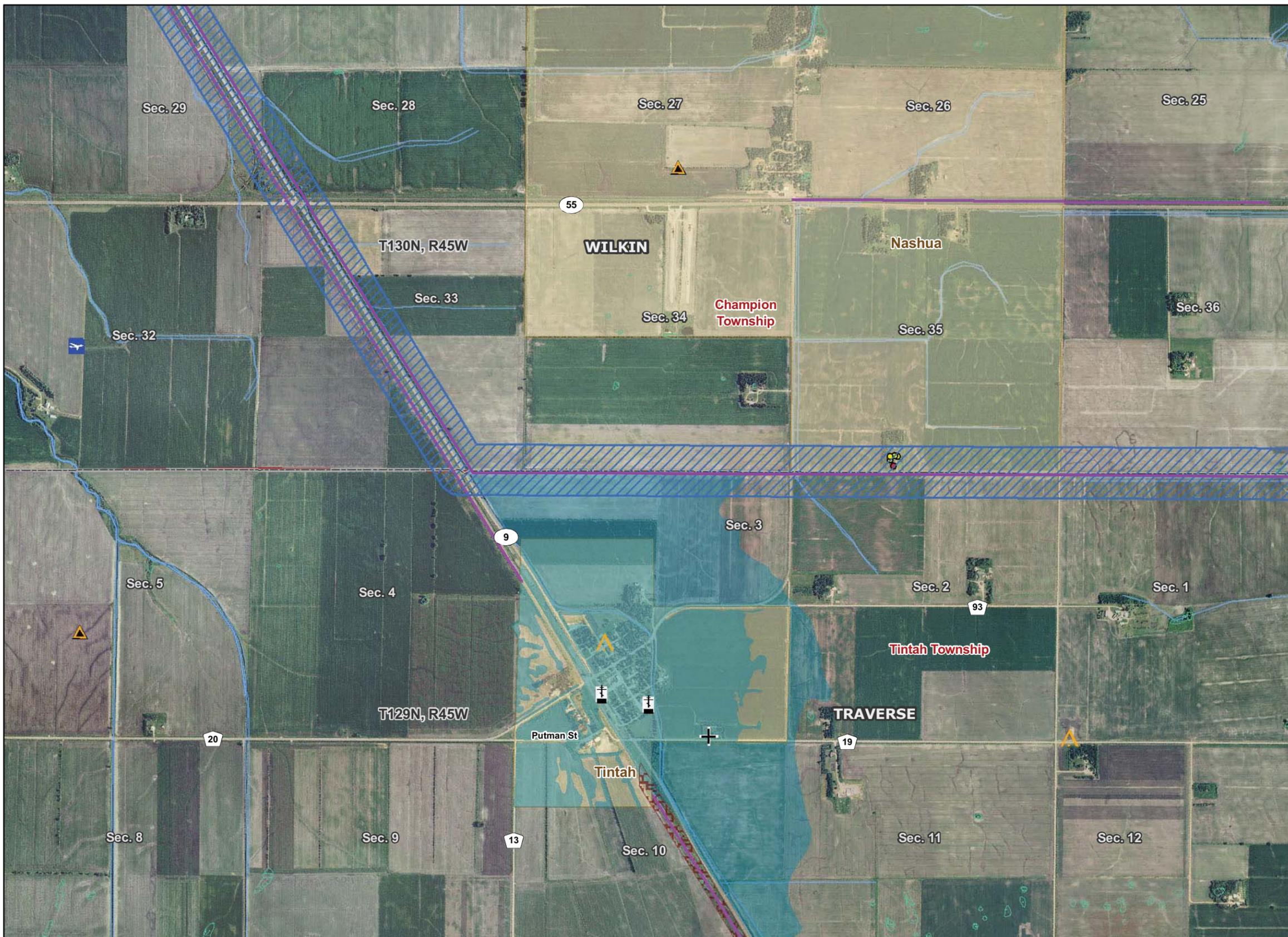
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 Preferred Route Minimum Interstate Corridor Sharing Alignment (25-foot offset)  
 Preferred Route No Interstate Corridor Sharing Alignment (75-foot offset)

Preferred Route Segment Alternative  
 Preferred Route Segment Alternative Alignment  
 Quarry Substation Siting Area

Alternate Route A  
 Alternate Route A Alignment

\* Only homes and buildings/structures within the Proposed Routes are depicted  
 See Section 10.2 for data sources.

0 1,000 2,000 4,000 Feet  
 1:24,000



- ### Legend
- Home
  - Building or Structure
  - Cemetery
  - Church
  - Substation
  - School
  - Daycare Facility
  - Airport
  - FCC Antenna Structure
  - Landfill and Dump
  - Aggregate Source Pit
  - Streams
  - PWI Stream
  - Scenic Byway
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  - USFWS Easement
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- ### Transmission Line (kV)
- 400
  - 345
  - 250
  - 230
  - 115
  - 69
- ### MCBS Sites of Biodiversity Significance
- High
  - Outstanding
  - Moderate

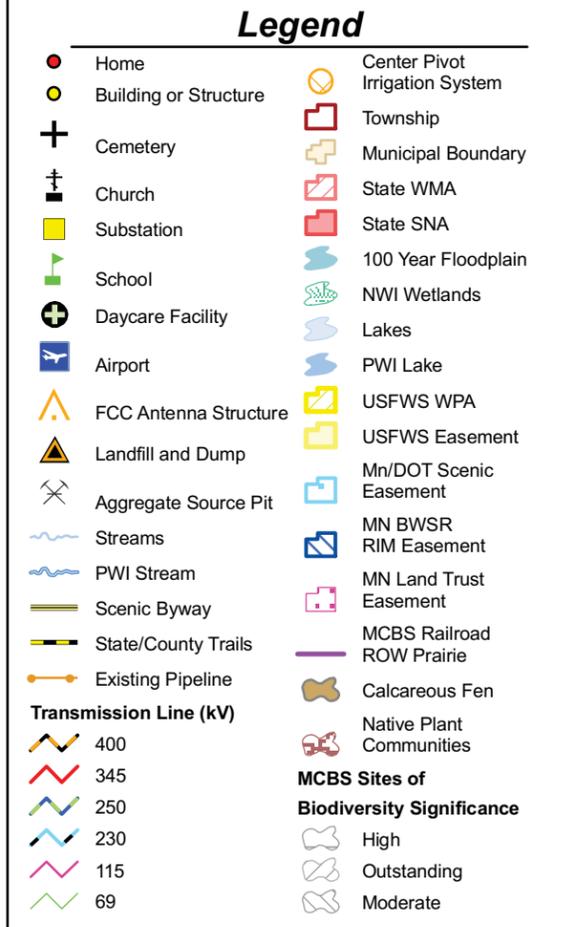
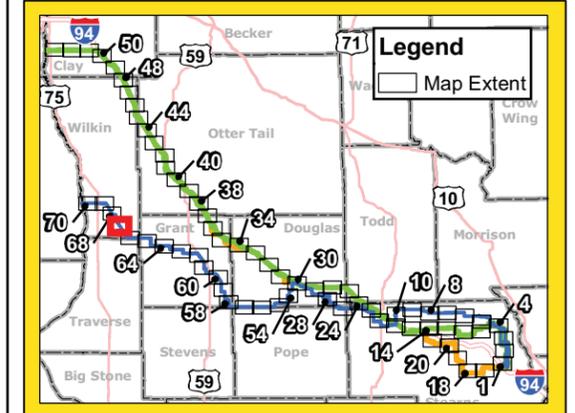
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- Preferred Route Maximum Interstate Corridor Sharing Alignment (5-foot offset)
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- Preferred Route Segment Alternative
- Preferred Route Segment Alternative Alignment
- Quarry Substation Siting Area
- Alternate Route A
- Alternate Route A Alignment

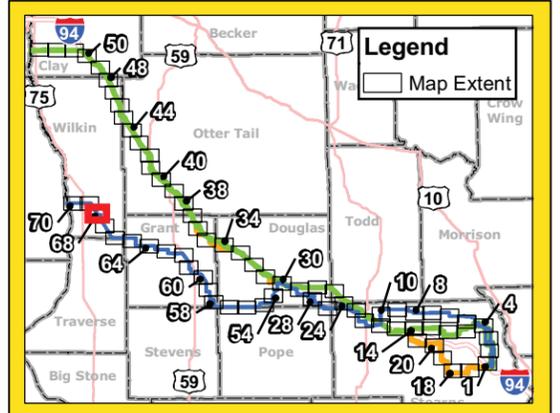
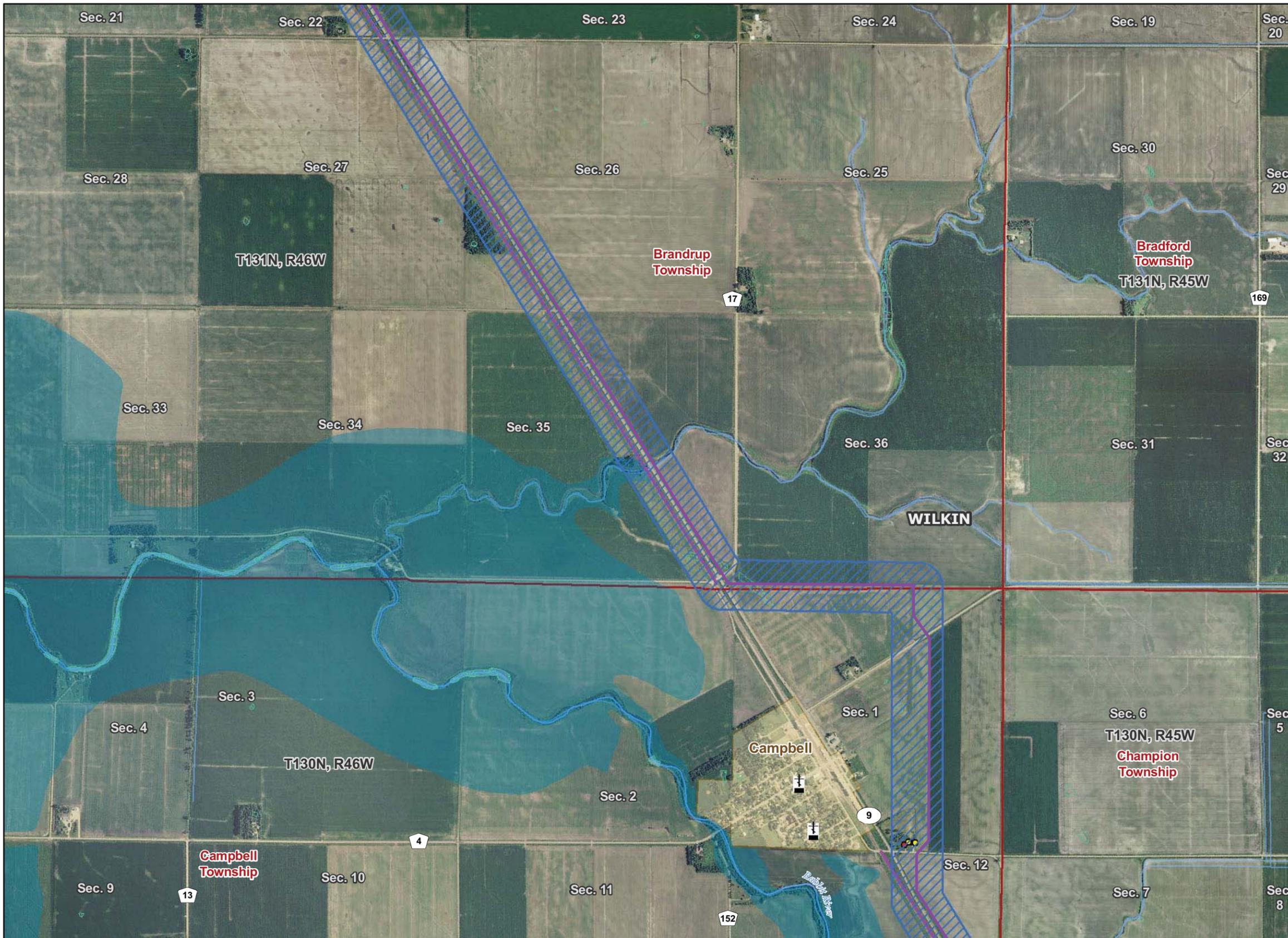
\* Only homes and buildings/structures within the Proposed Routes are depicted

See Section 10.2 for data sources.

0 1,000 2,000 4,000 Feet

1:24,000





**Legend**

● Home	○ Center Pivot Irrigation System
● Building or Structure	□ Township
⊕ Cemetery	⊕ Municipal Boundary
⊕ Church	▨ State WMA
■ Substation	▨ State SNA
🎓 School	🌊 100 Year Floodplain
⊕ Daycare Facility	🌿 NWI Wetlands
✈ Airport	🌊 Lakes
📡 FCC Antenna Structure	🌊 PWI Lake
🗑 Landfill and Dump	📄 USFWS WPA
⚡ Aggregate Source Pit	📄 USFWS Easement
🌊 Streams	📄 Mn/DOT Scenic Easement
🌊 PWI Stream	📄 MN BWSR RIM Easement
🛣 Scenic Byway	📄 MN Land Trust Easement
🛣 State/County Trails	📄 MCBS Railroad ROW Prairie
🛣 Existing Pipeline	📄 Calcareous Fen
⚡ Transmission Line (kV)	📄 Native Plant Communities
🟡 400	📄 MCBS Sites of Biodiversity Significance
🟠 345	📄 High
🟢 250	📄 Outstanding
🟡 230	📄 Moderate
🟠 115	
🟢 69	

Preferred Route	Preferred Route Segment Alternative	Alternate Route A
Preferred Route Maximum Interstate Corridor Sharing Alignment (5-foot offset)	Preferred Route Segment Alternative Alignment	Alternate Route A Alignment
Preferred Route Minimum Interstate Corridor Sharing Alignment (25-foot offset)	Quarry Substation Siting Area	
Preferred Route No Interstate Corridor Sharing Alignment (75-foot offset)		

See Section 10.2 for data sources. \* Only homes and buildings/structures within the Proposed Routes are depicted

0 1,000 2,000 4,000 Feet 1:24,000

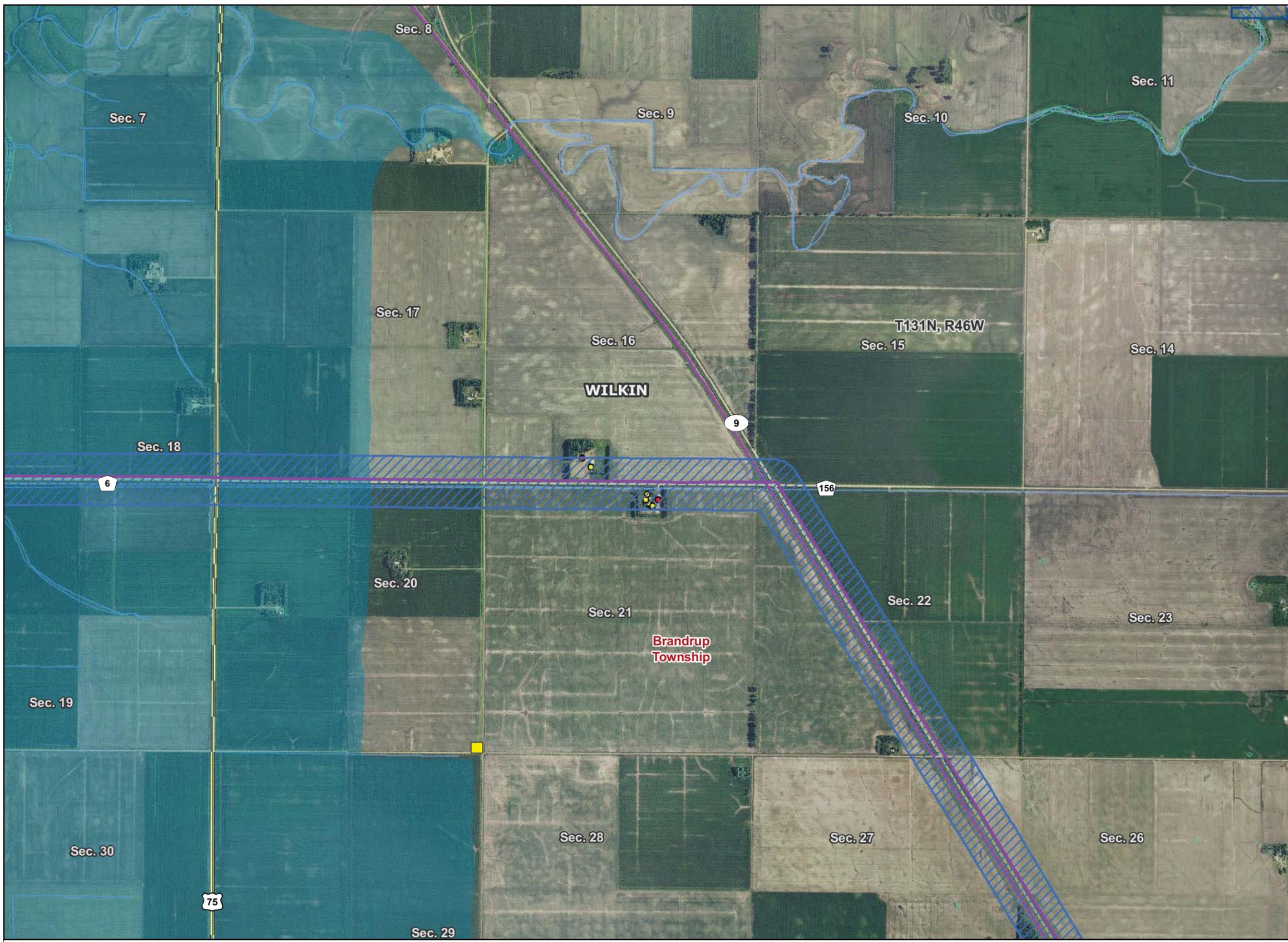
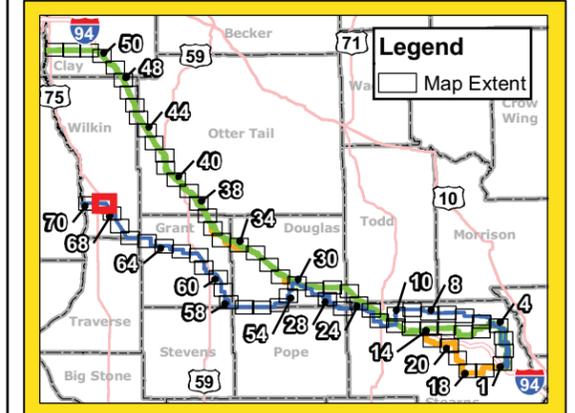
**Appendix B.1**  
**Detailed Aerial Route Maps**  
 Route Permit  
 Fargo to St. Cloud  
 345 kV Transmission Line

FILING DATE: 10/1/09

DRAWN BY: MLTeichert

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**68**



- Legend**
- Home
  - Building or Structure
  - Cemetery
  - Church
  - Substation
  - School
  - Daycare Facility
  - Airport
  - FCC Antenna Structure
  - Landfill and Dump
  - Aggregate Source Pit
  - Streams
  - PWI Stream
  - Scenic Byway
  - State/County Trails
  - Existing Pipeline
  - Center Pivot Irrigation System
  - Township
  - Municipal Boundary
  - State WMA
  - State SNA
  - 100 Year Floodplain
  - NWI Wetlands
  - Lakes
  - PWI Lake
  - USFWS WPA
  - USFWS Easement
  - Mn/DOT Scenic Easement
  - MN BWSR RIM Easement
  - MN Land Trust Easement
  - MCBS Railroad ROW Prairie
  - Calcareous Fen
  - Native Plant Communities
  - MCBS Sites of Biodiversity Significance**
    - High
    - Outstanding
    - Moderate
- Transmission Line (kV)**
- 400
  - 345
  - 250
  - 230
  - 115
  - 69

Preferred Route  
 Preferred Route Maximum Interstate Corridor Sharing Alignment (5-foot offset)  
 Preferred Route Minimum Interstate Corridor Sharing Alignment (25-foot offset)  
 Preferred Route No Interstate Corridor Sharing Alignment (75-foot offset)

Preferred Route Segment Alternative  
 Preferred Route Segment Alternative Alignment  
 Quarry Substation Siting Area

Alternate Route A  
 Alternate Route A Alignment

\* Only homes and buildings/structures within the Proposed Routes are depicted  
 See Section 10.2 for data sources.

0 1,000 2,000 4,000 Feet  
 1:24,000

