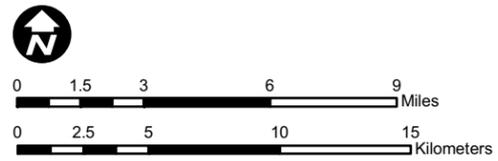
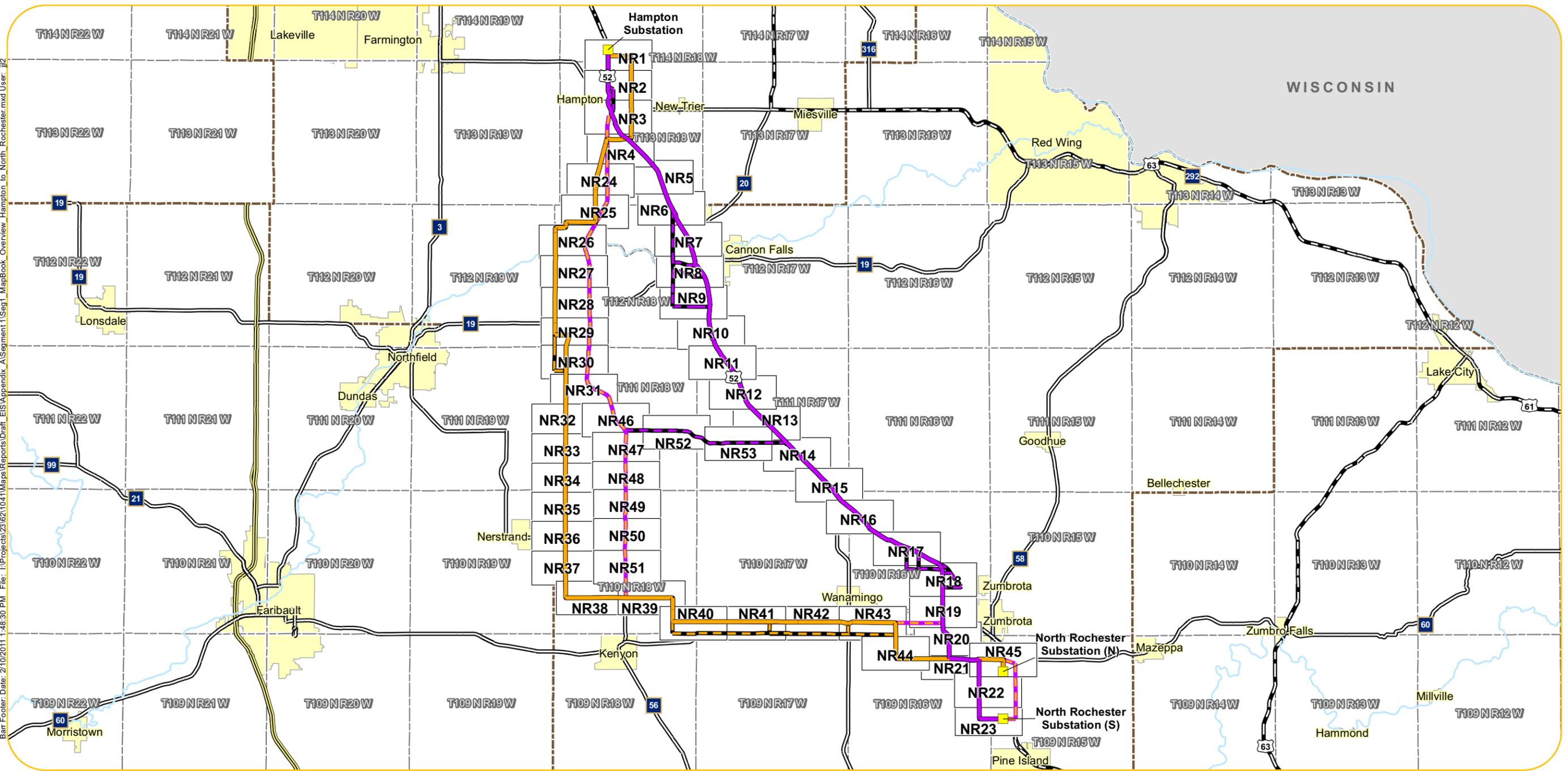
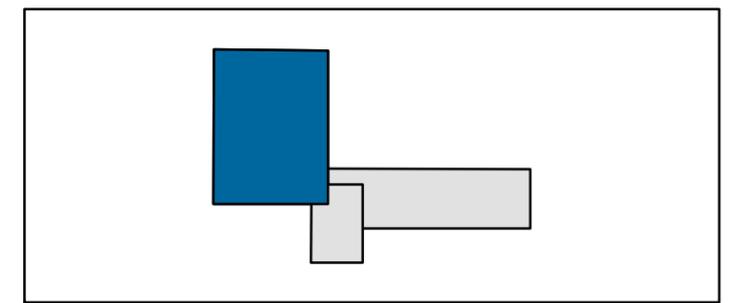


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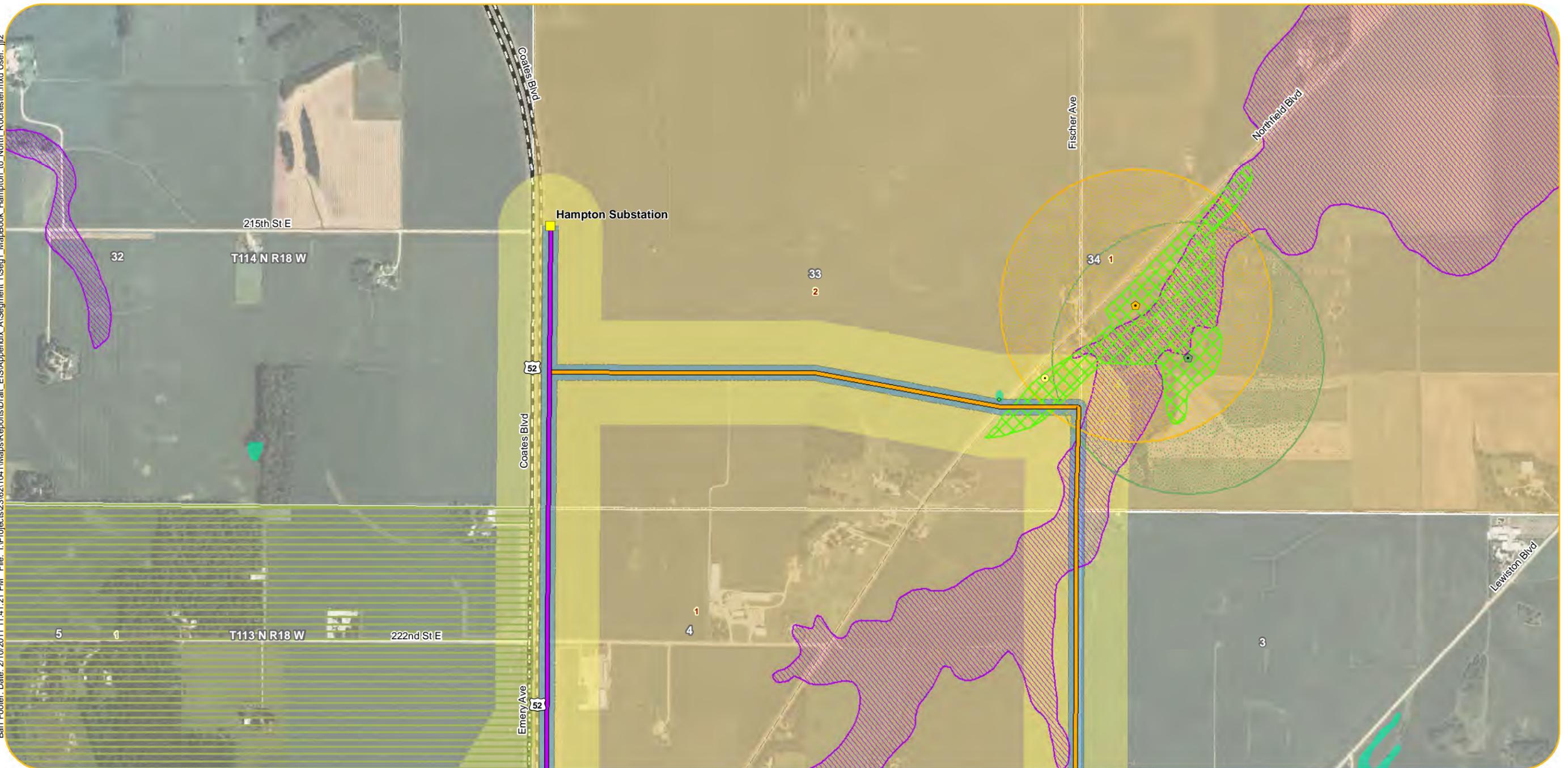


- Project Substations
- NR1 Map Index
- County Boundaries
- Original Alignments**
- P Route
- A Route
- Additional Alternative Routes**
- Variation on P Route
- Variation on A Route
- Variation on Both

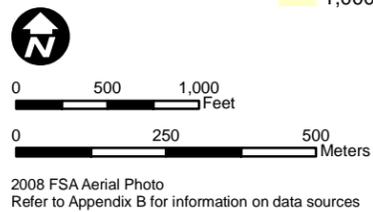
Appendix A - Overview Map
Segment 1,
Hampton Substation to North Rochester Substation



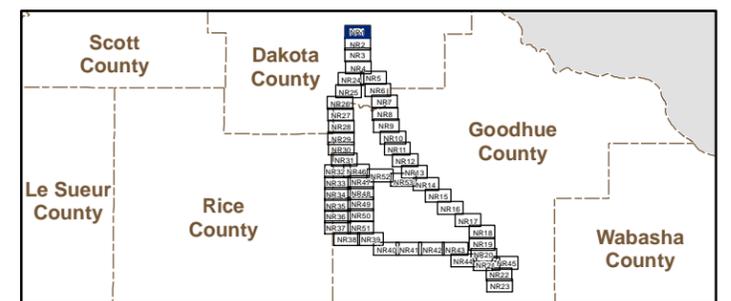
Refer to Appendix B for information on data sources

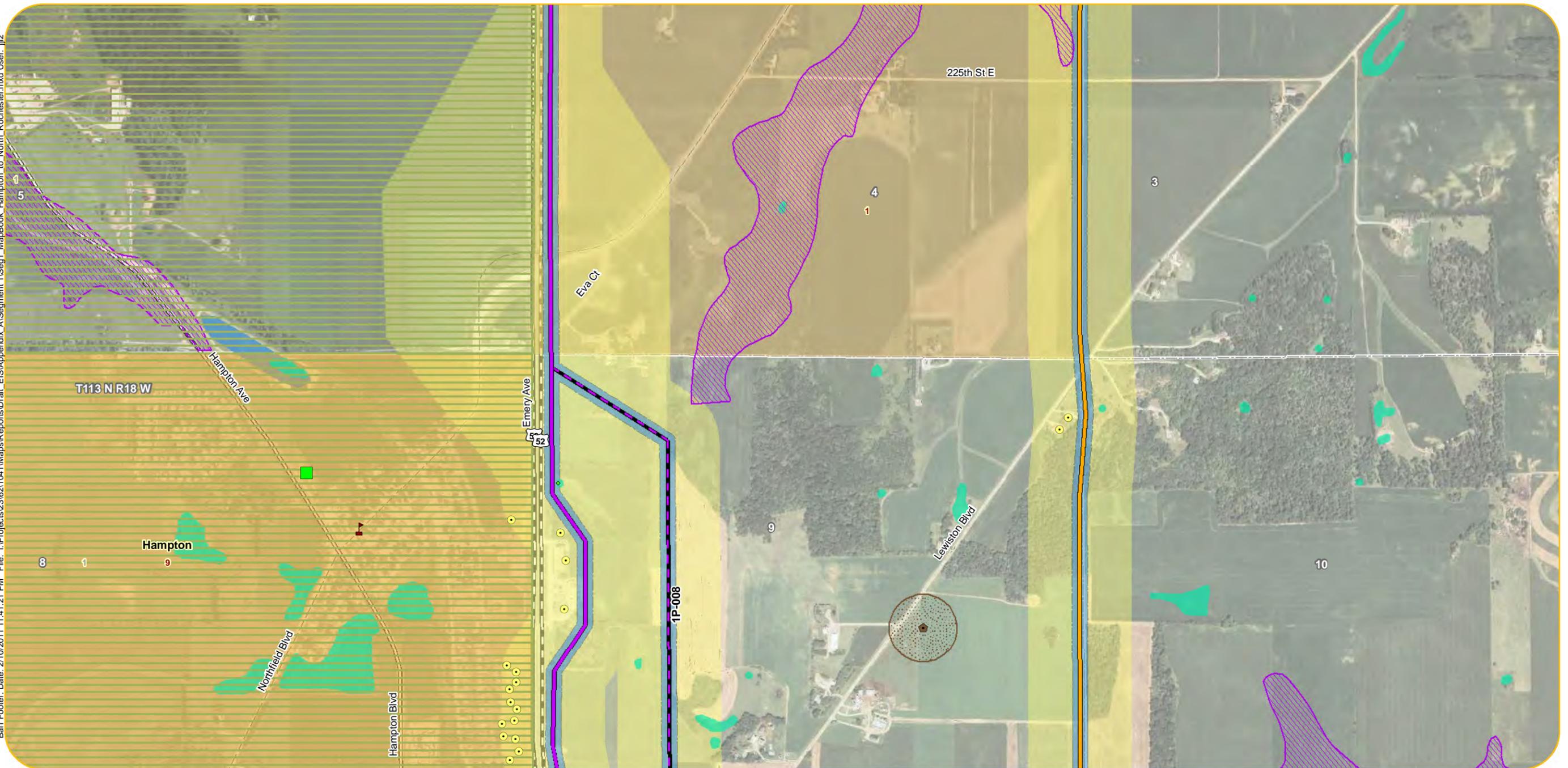


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



Appendix A - Sheet NR1
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation





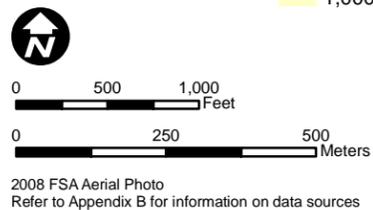
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- P Route
- A Route
- Additional Alternative Routes
- Variation on P Route
- Variation on A Route
- Variation on Both
- 150-foot ROW
- 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological

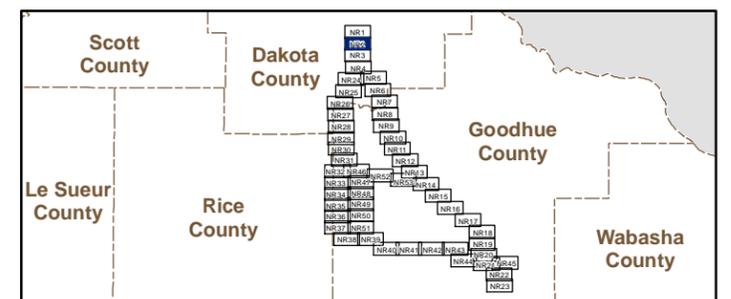
- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

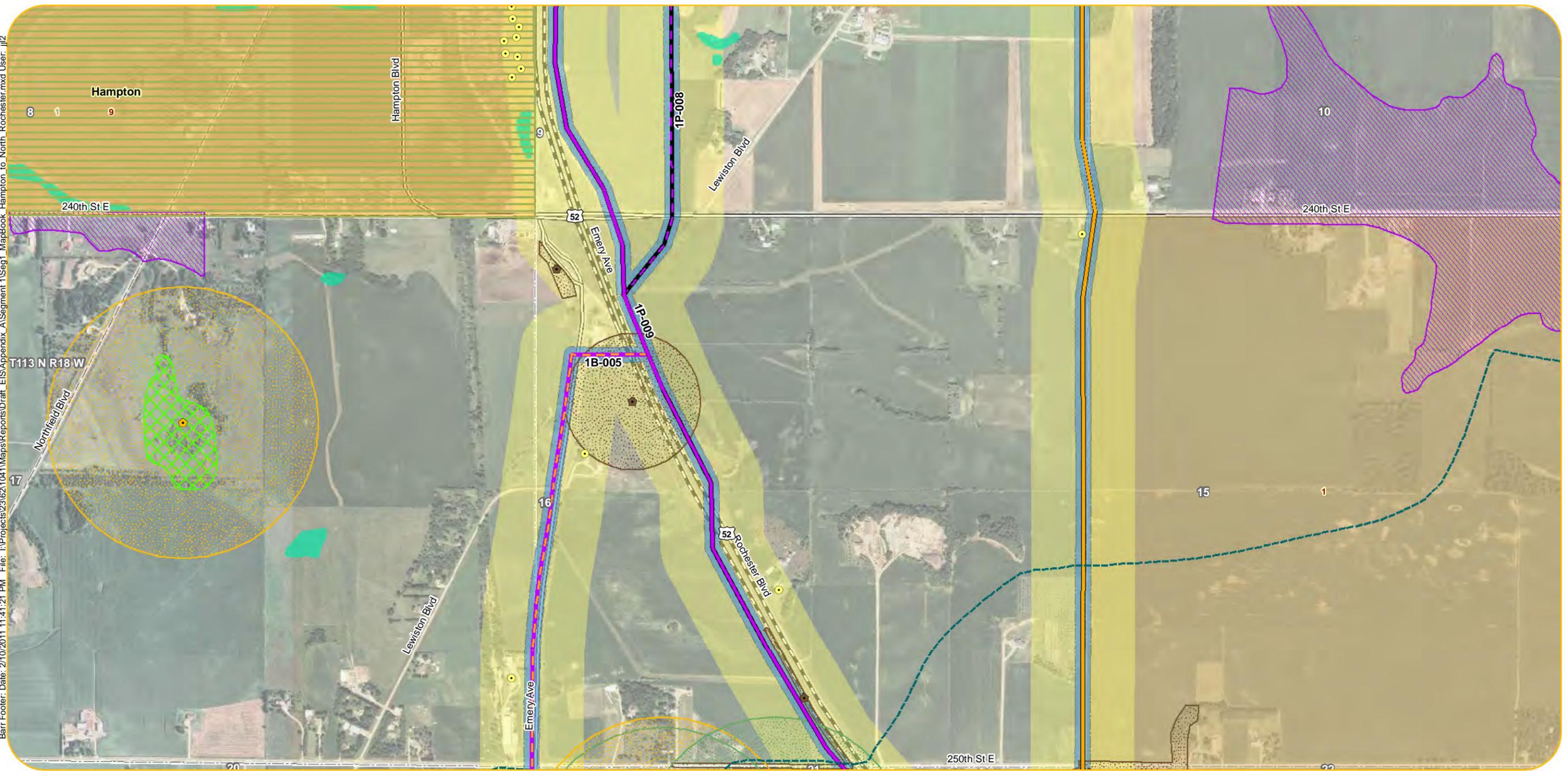
- Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 1.0
- 1.1 - 2.0
- 2.1 - 3.0
- 3.1 - 6.1
- Archaeological Sites
- 1 - 2
- 3 - 4
- 5 - 6
- Historical Sites
- 1 - 5
- 6 - 20
- 21 - 164



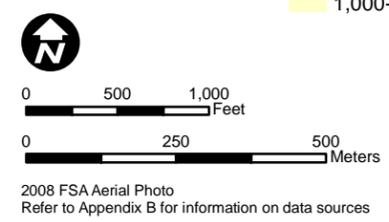
Appendix A - Sheet NR2
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



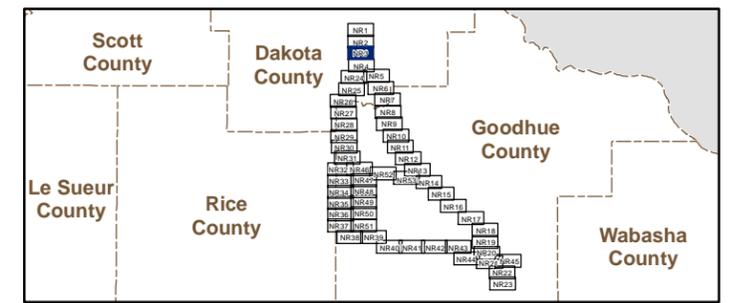
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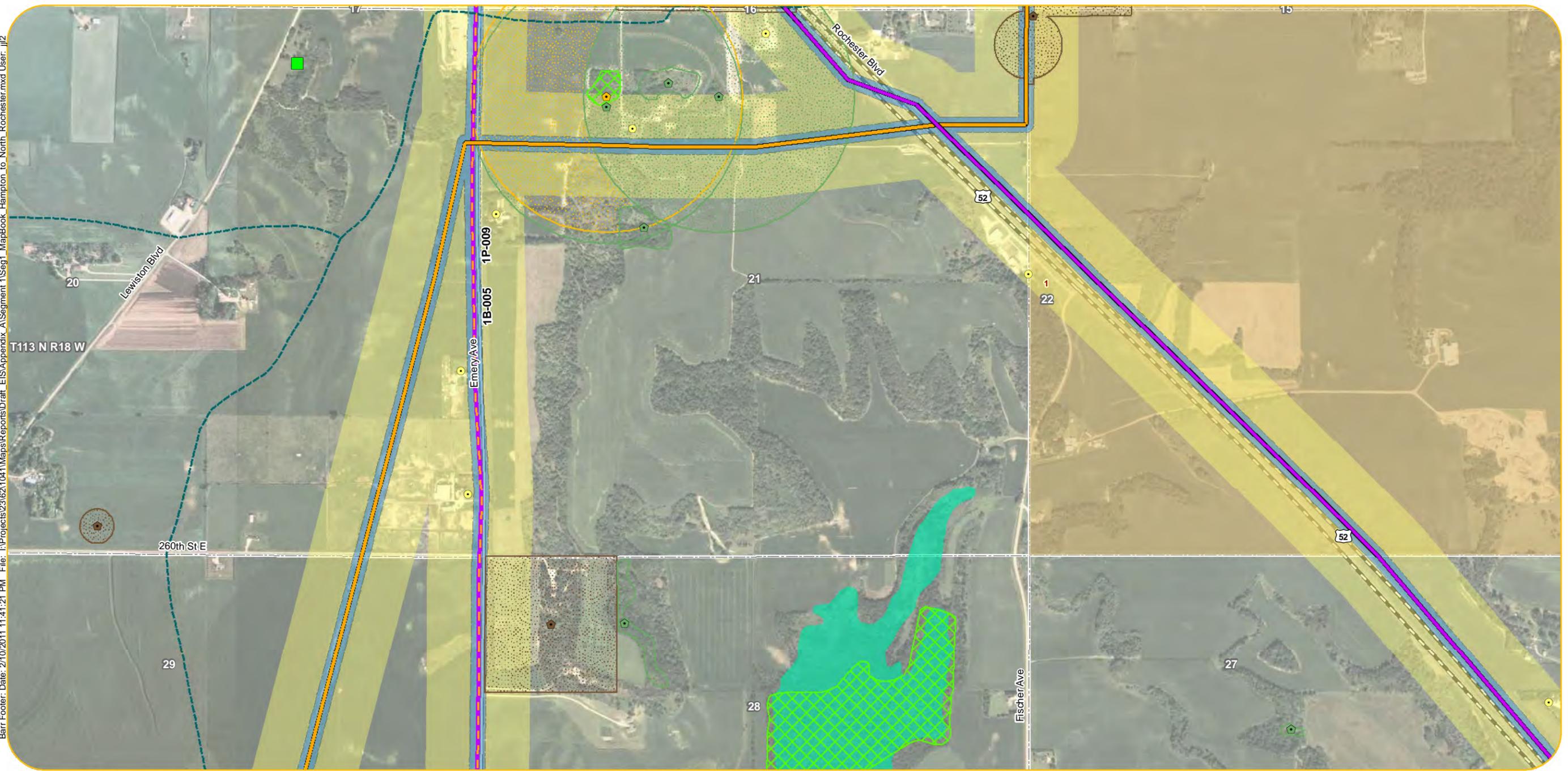
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



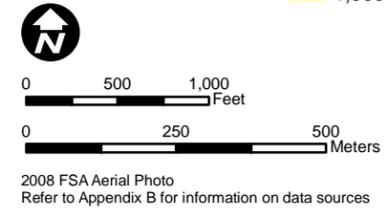
Appendix A - Sheet NR3
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



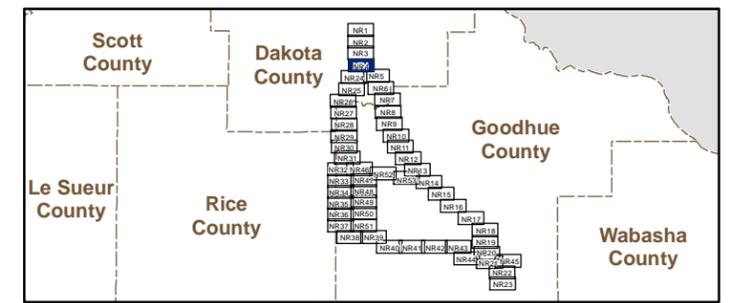
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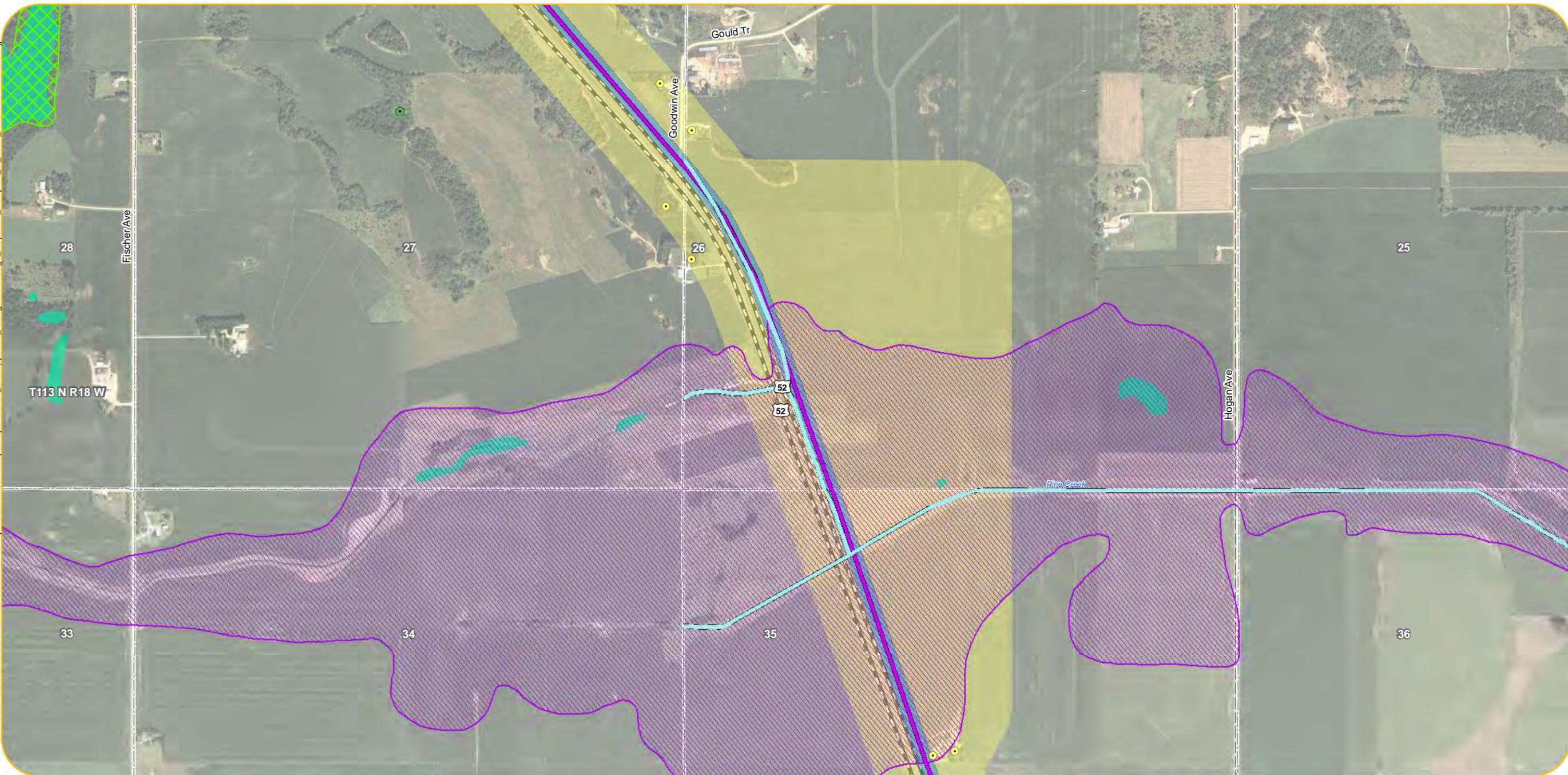
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



Appendix A - Sheet NR4
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



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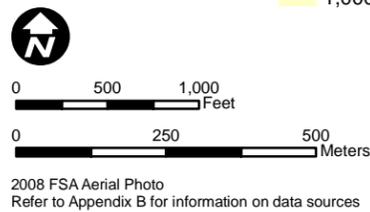
- Original Alignments**
- P Route
 - A Route
 - Additional Alternative Routes**
 - Variation on P Route
 - Variation on A Route
 - Variation on Both
 - 150-foot ROW
 - 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage**
- Botanical
- Ecological
- Zoological

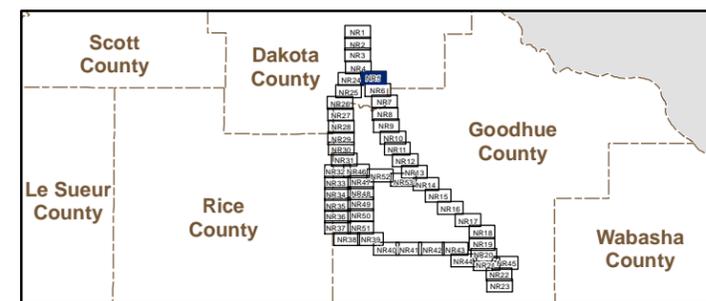
- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

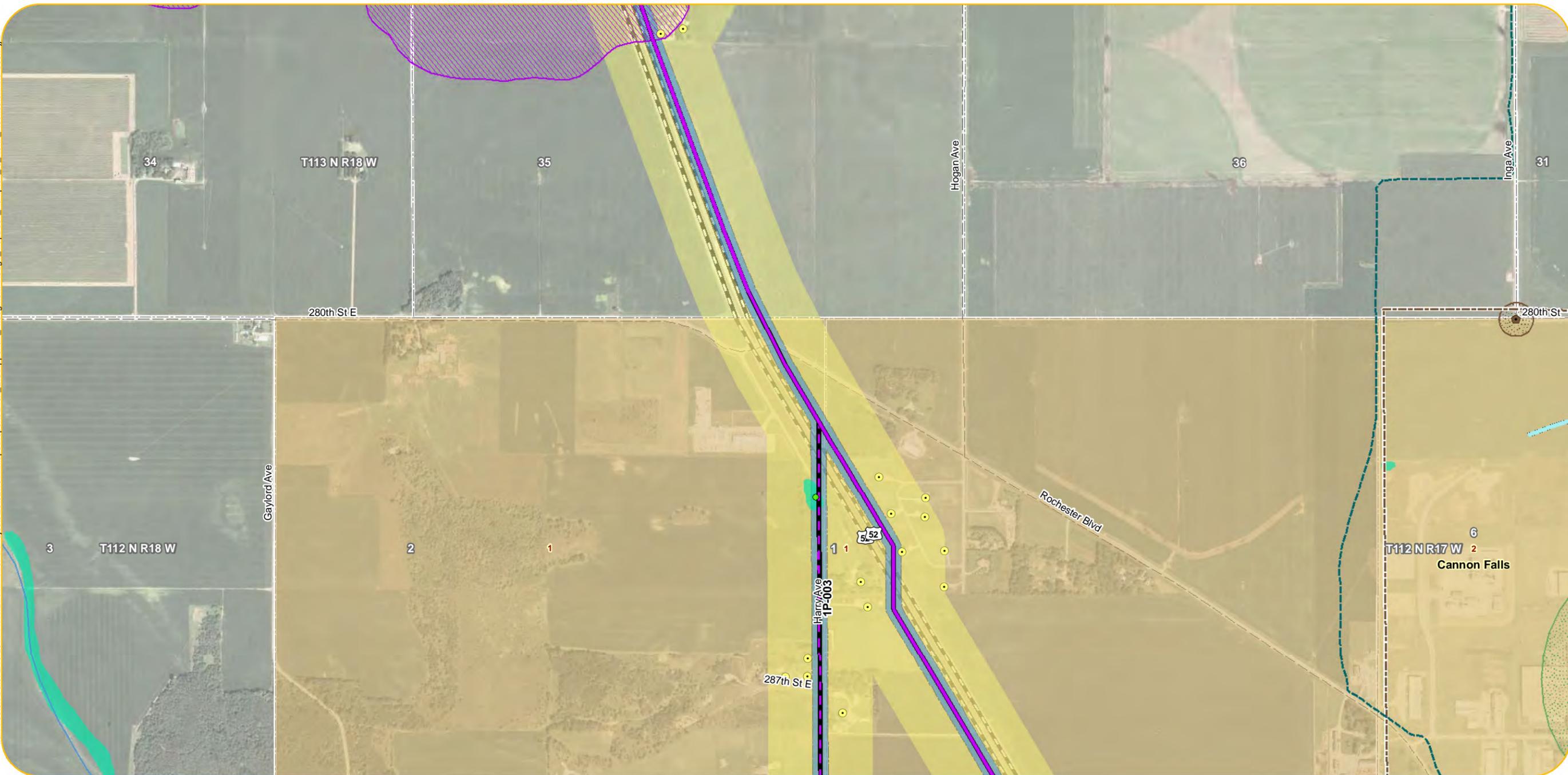
- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

- Wetland Area (acres) within 150-foot ROW**
- 0.0 - 0.5
 - 0.6 - 1.0
 - 1.1 - 2.0
 - 2.1 - 3.0
 - 3.1 - 6.1
- Archaeological Sites**
- 1 - 2
 - 3 - 4
 - 5 - 6
- Historical Sites**
- 4 1 - 5
 - 28 6 - 20
 - 58 21 - 164



Appendix A - Sheet NR5
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation





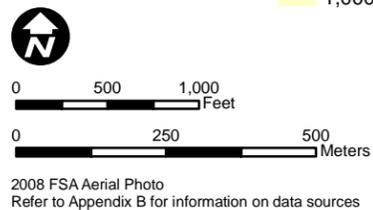
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- P Route
- A Route
- Additional Alternative Routes
- Variation on P Route
- Variation on A Route
- Variation on Both
- 150-foot ROW
- 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological

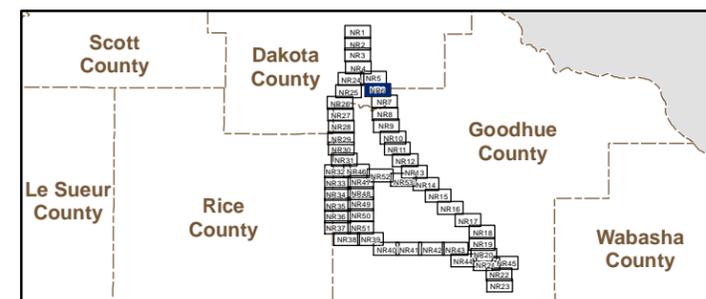
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- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

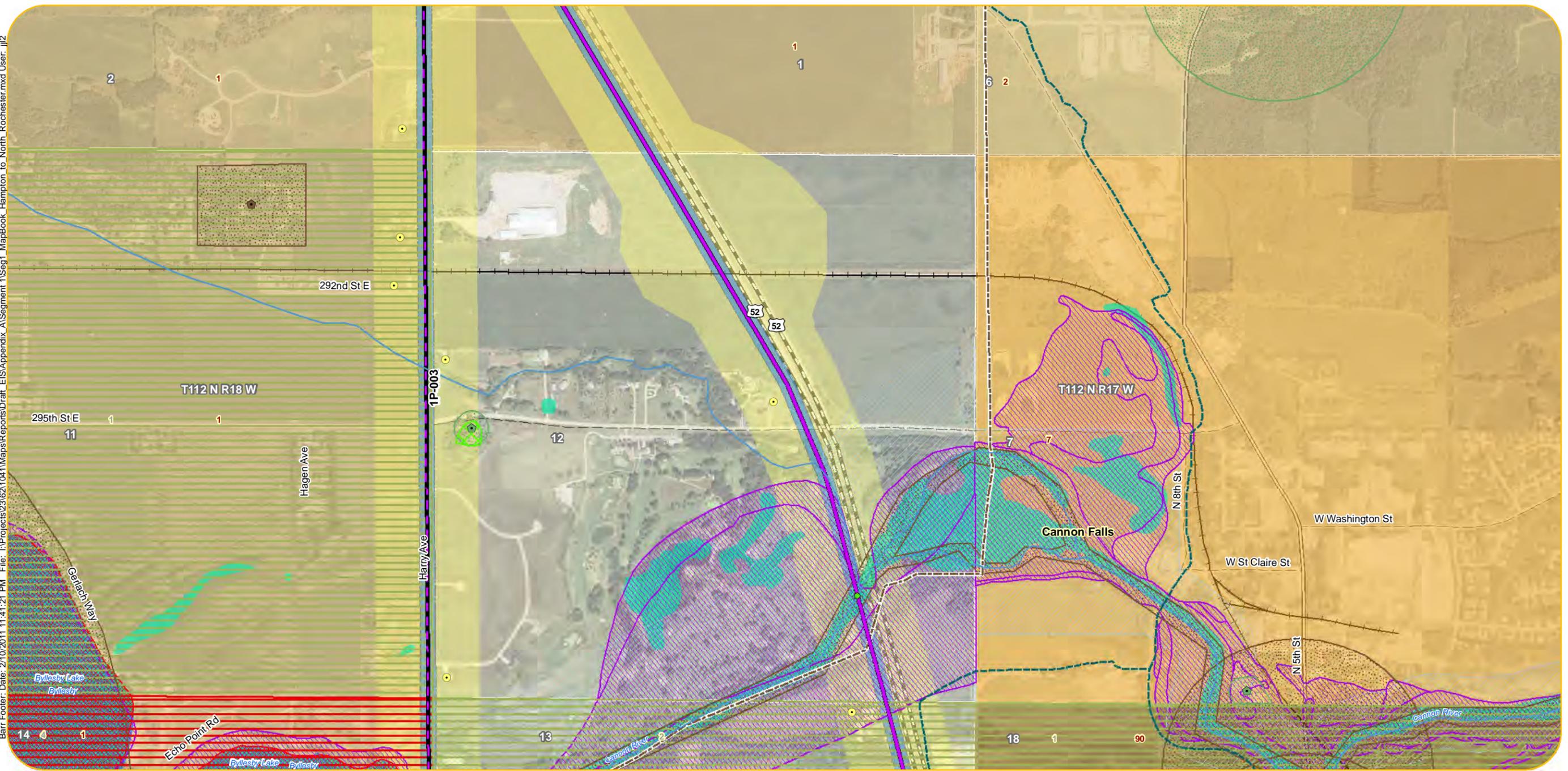
- Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 1.0
- 1.1 - 2.0
- 2.1 - 3.0
- 3.1 - 6.1
- Archaeological Sites
- 1 - 2
- 3 - 4
- 5 - 6
- Historical Sites
- 1 - 5
- 6 - 20
- 21 - 164



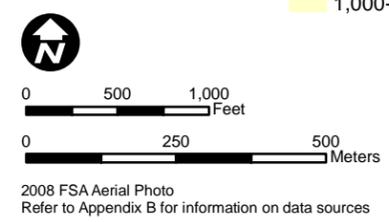
Appendix A - Sheet NR6
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



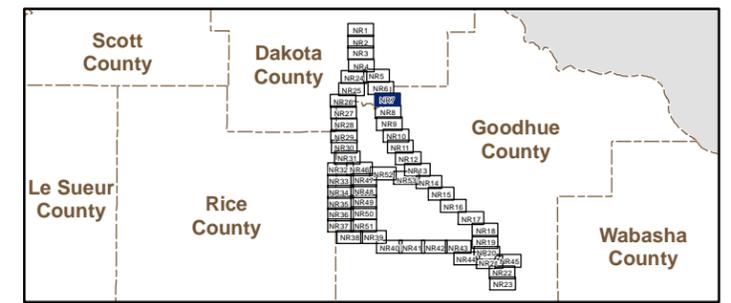
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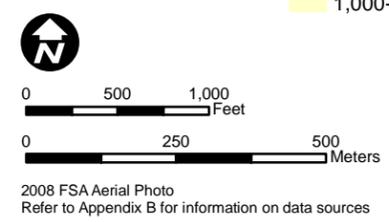
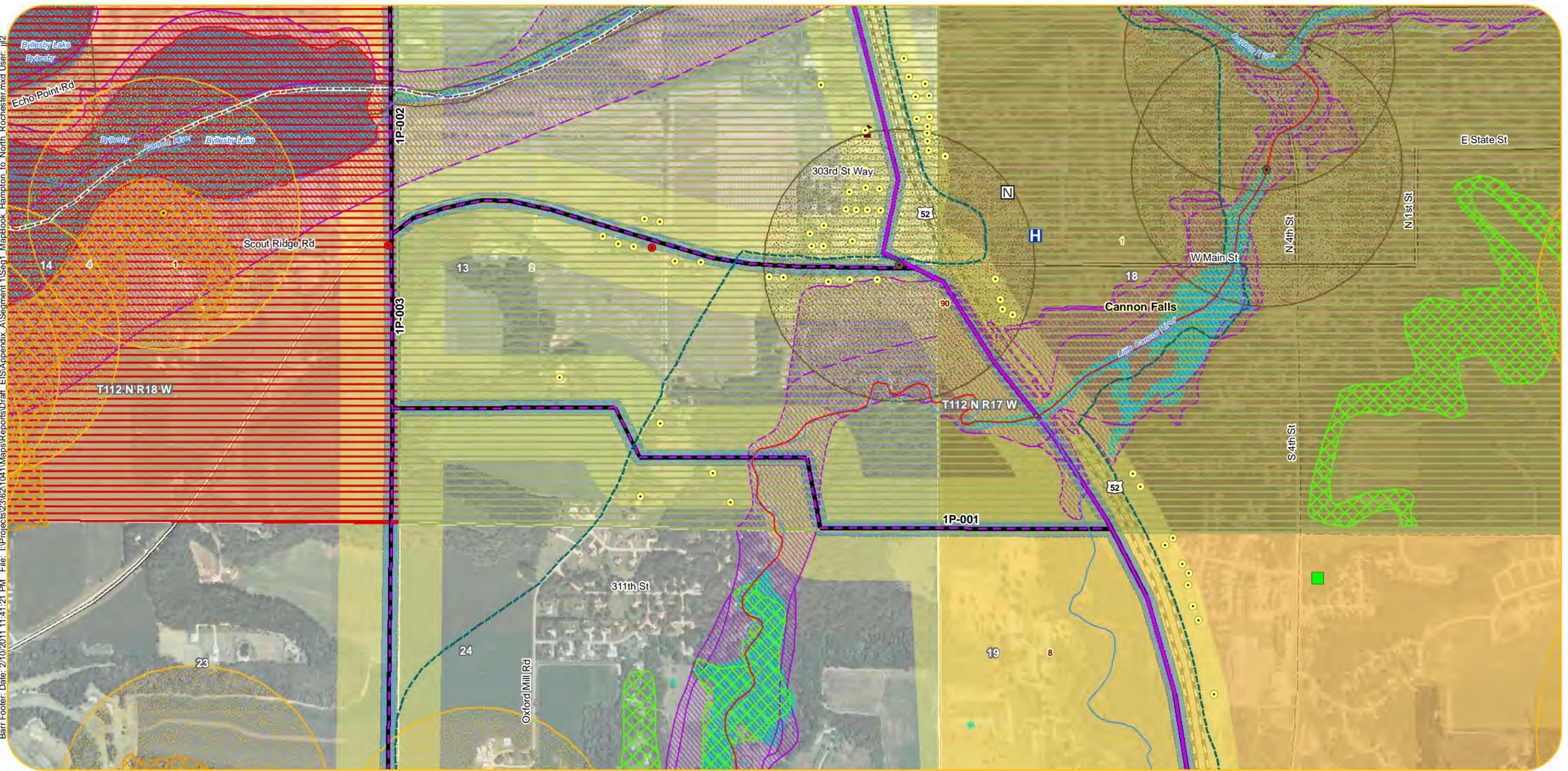
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



Appendix A - Sheet NR7
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

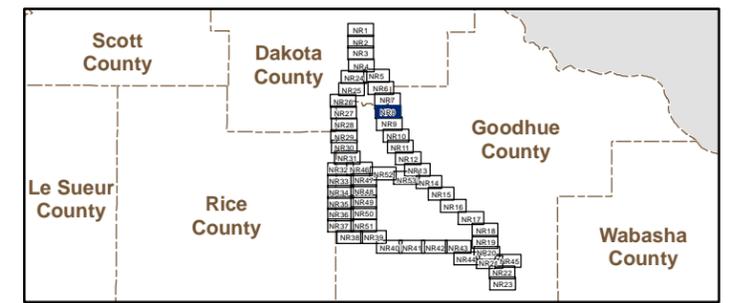


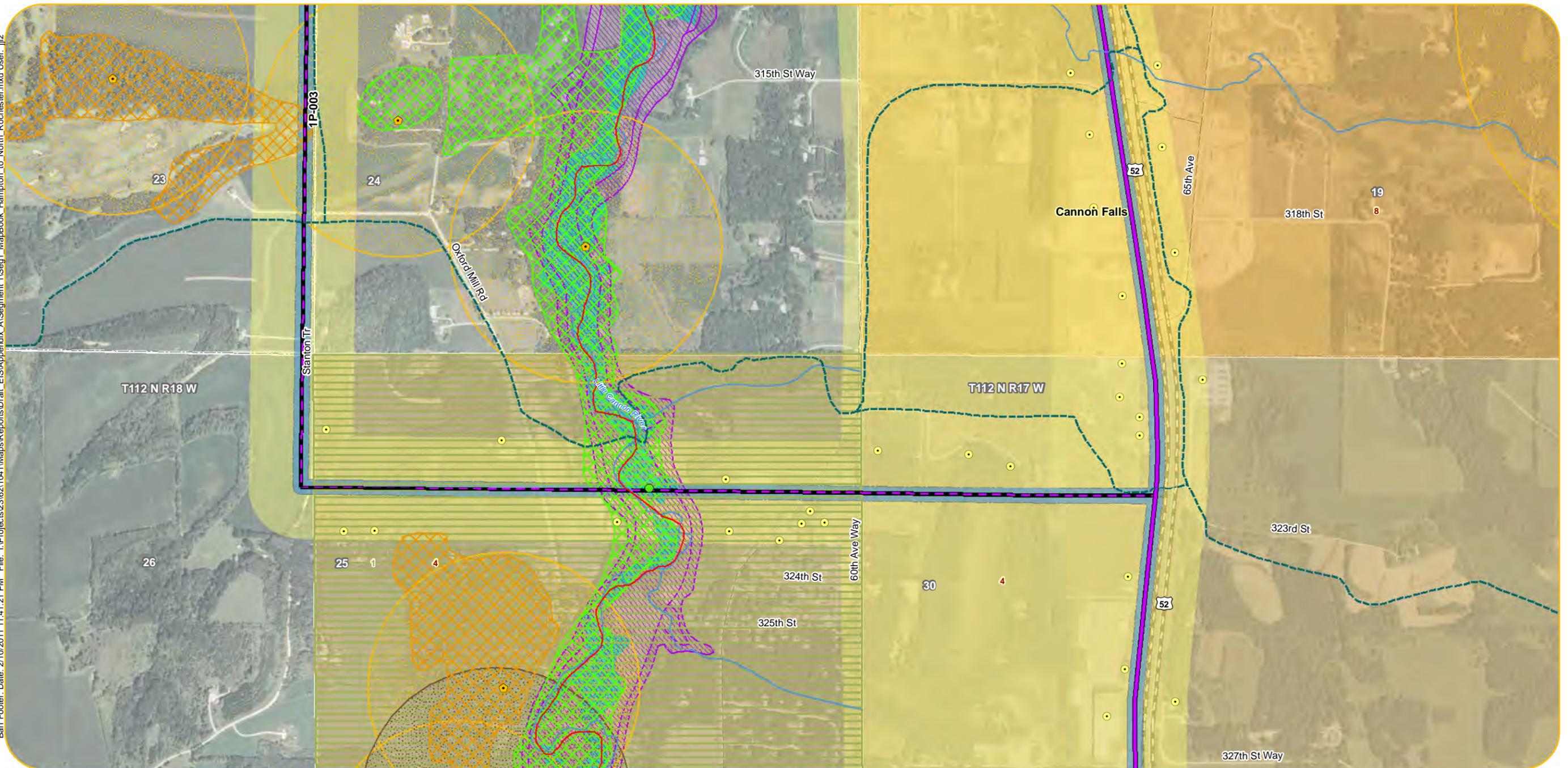
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- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |

Appendix A - Sheet NR8
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation





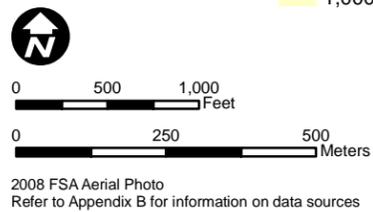
- Original Alignments
- P Route
- A Route
- Additional Alternative Routes
- Variation on P Route
- Variation on A Route
- Variation on Both
- 150-foot ROW
- 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage
 - Botanical
 - Ecological
 - Zoological

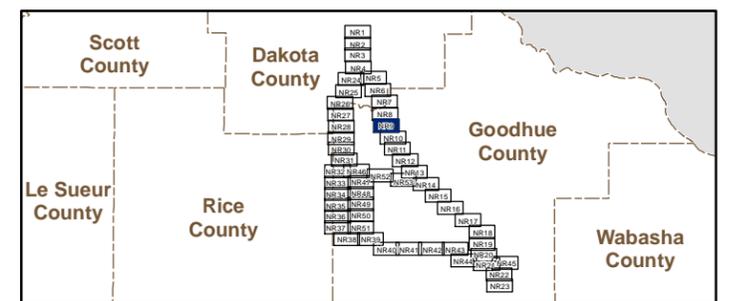
- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
 - Moderate Significance
 - High Significance
 - Outstanding Significance
 - Wildlife Management Area
 - Scientific and Natural Area

- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

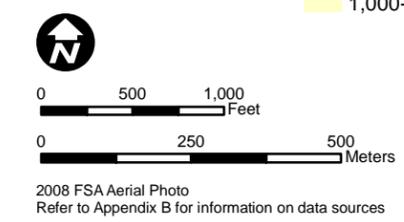
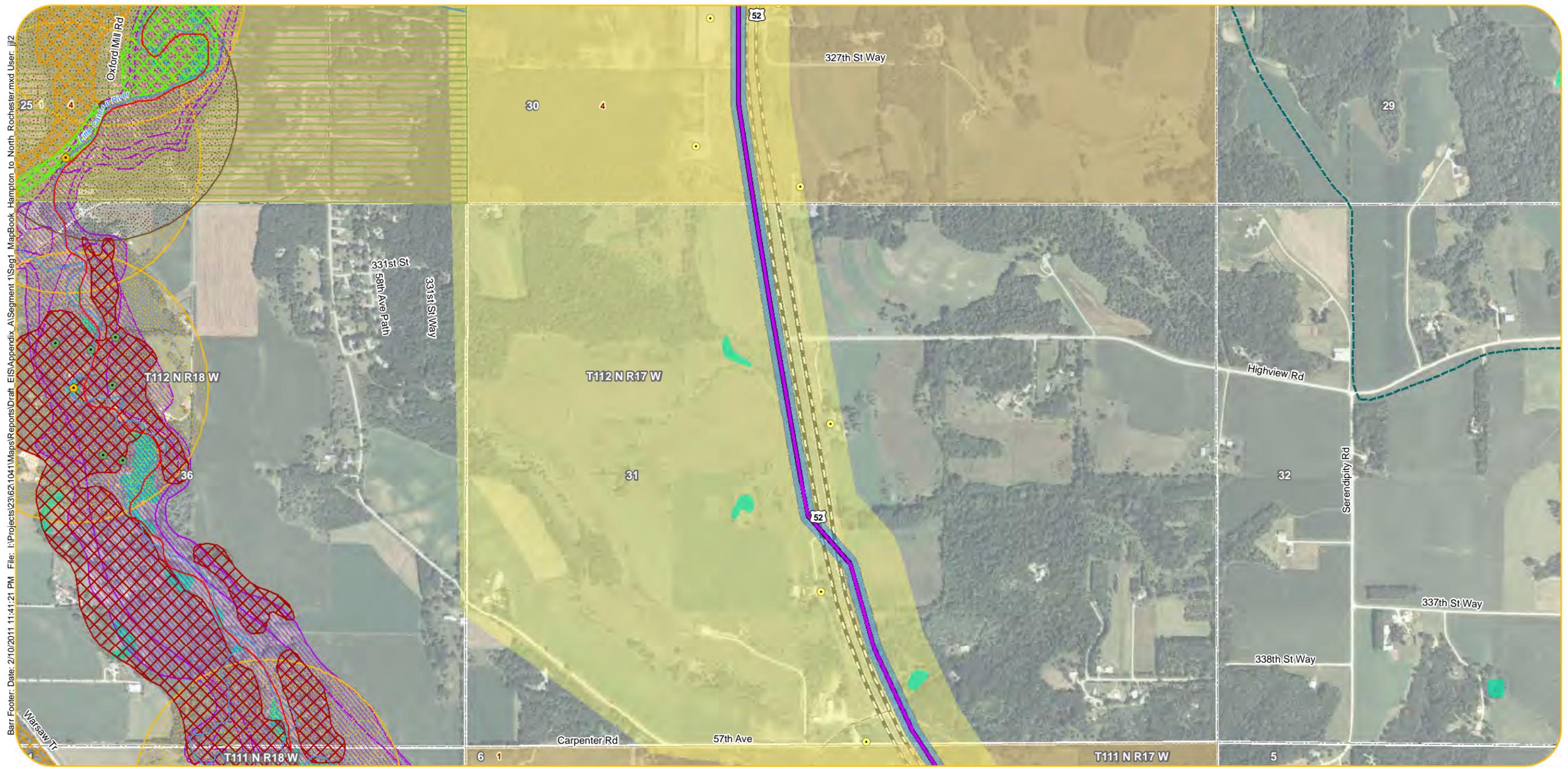
- Wetland Area (acres) within 150-foot ROW
 - 0.0 - 0.5
 - 0.6 - 1.0
 - 1.1 - 2.0
 - 2.1 - 3.0
 - 3.1 - 6.1
- Archaeological Sites
 - 1 - 2
 - 3 - 4
 - 5 - 6
- Historical Sites
 - 1 - 5
 - 6 - 20
 - 21 - 164



Appendix A - Sheet NR9
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

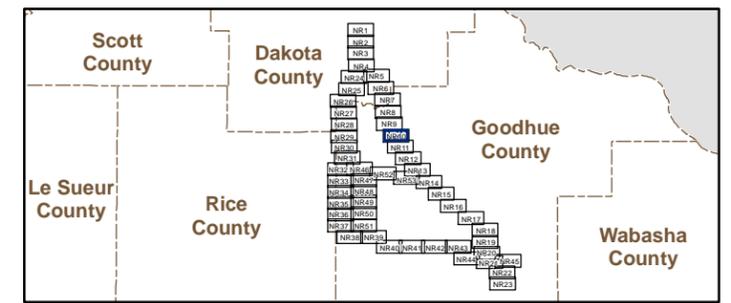


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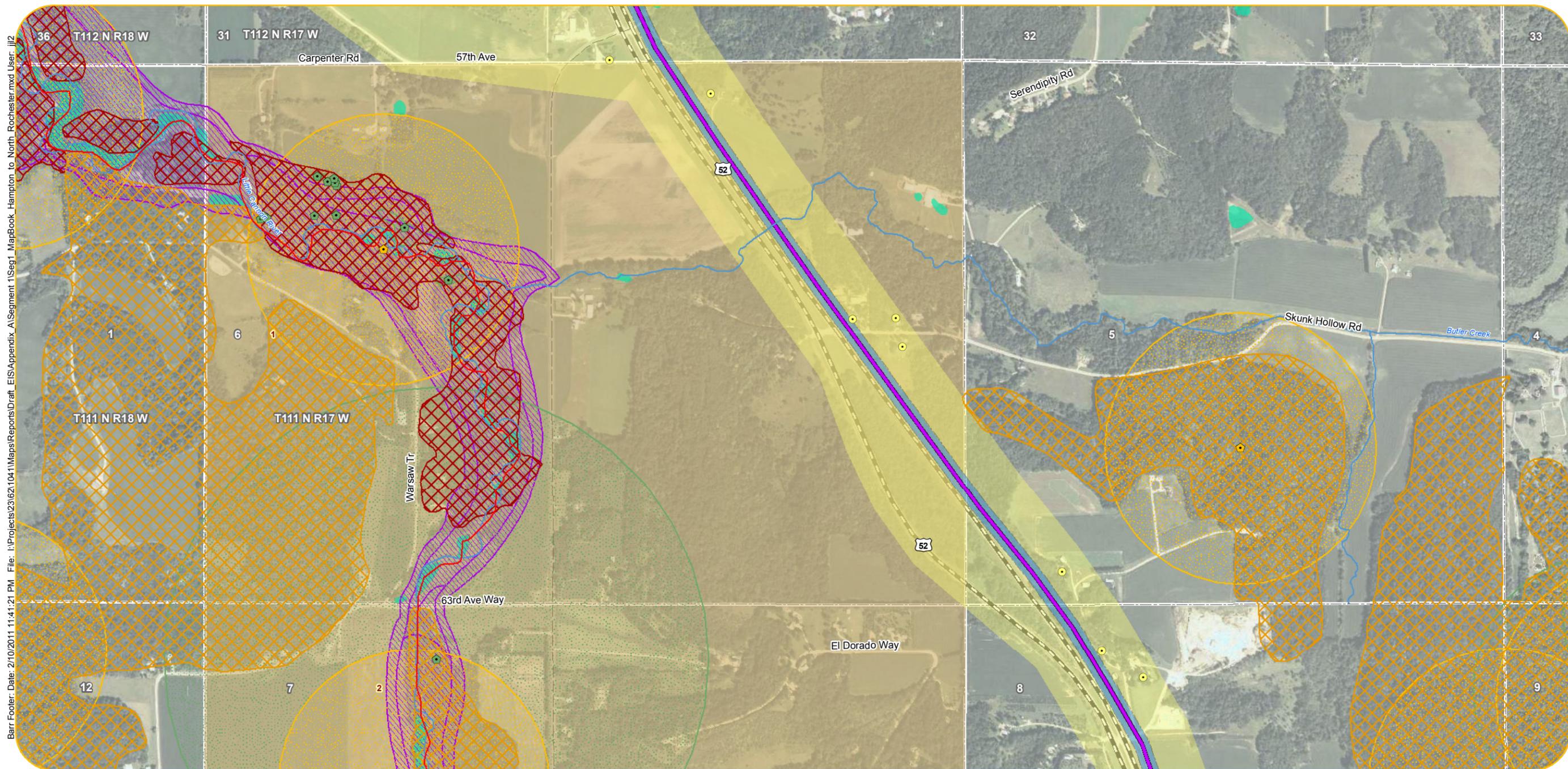


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |

Appendix A - Sheet NR10
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



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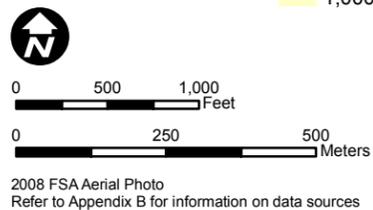
- Original Alignments
- P Route
- A Route
- Additional Alternative Routes
- Variation on P Route
- Variation on A Route
- Variation on Both
- 150-foot ROW
- 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological

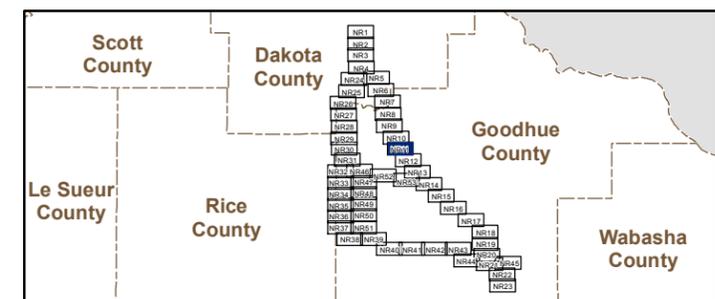
- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

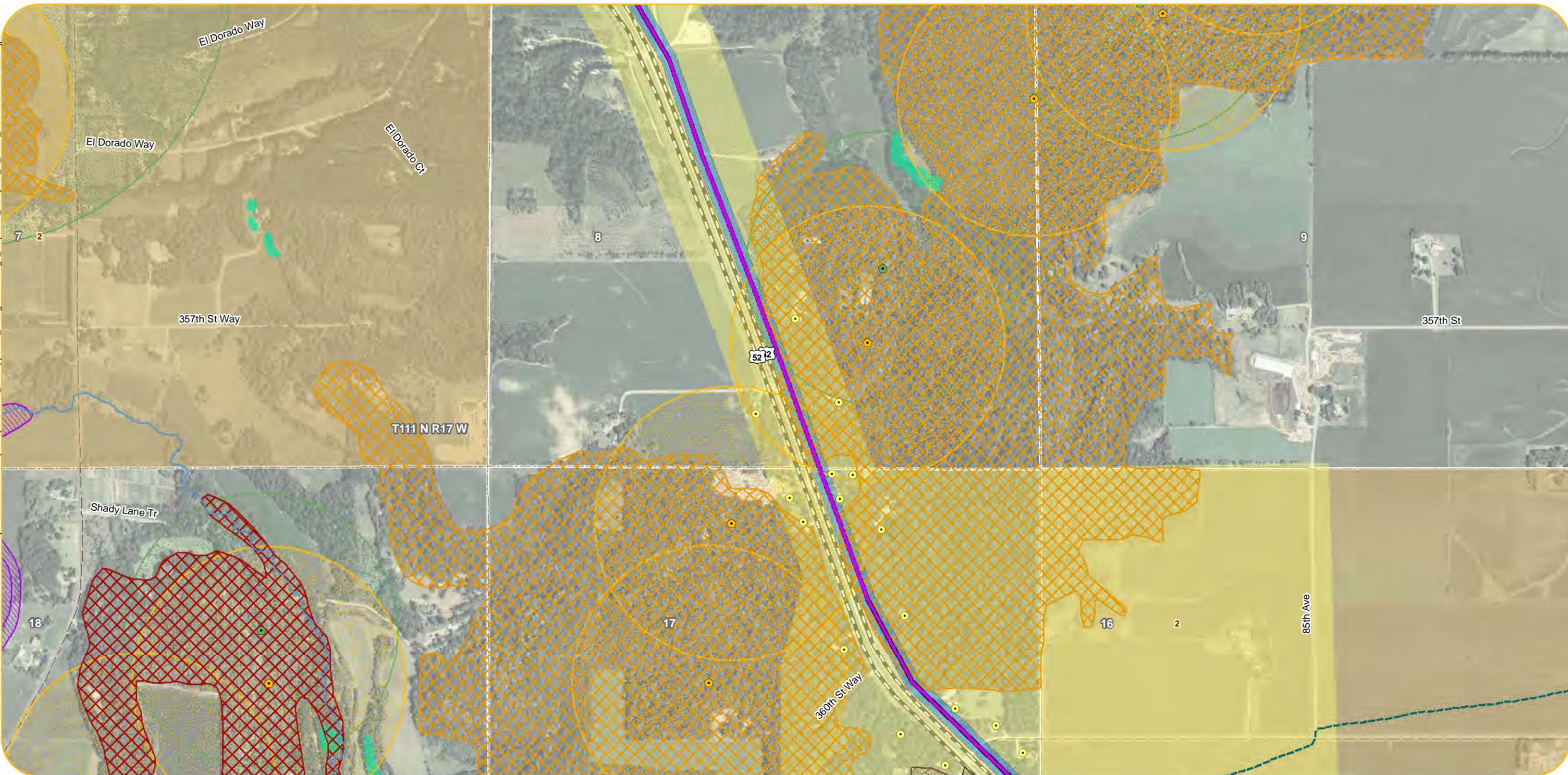
- Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 1.0
- 1.1 - 2.0
- 2.1 - 3.0
- 3.1 - 6.1
- Archaeological Sites
- 1 - 2
- 3 - 4
- 5 - 6
- Historical Sites
- 1 - 5
- 6 - 20
- 21 - 164



Appendix A - Sheet NR11
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



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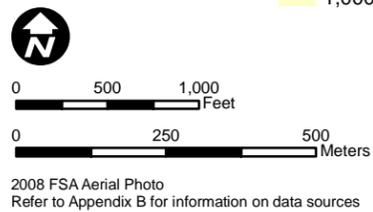
- Original Alignments**
- P Route
 - A Route
 - Additional Alternative Routes**
 - Variation on P Route
 - Variation on A Route
 - Variation on Both
 - 150-foot ROW
 - 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage**
- Botanical
- Ecological
- Zoological

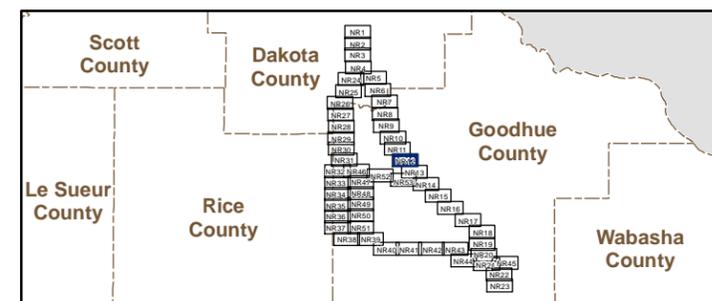
- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance Moderate Significance
- High Significance
- Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

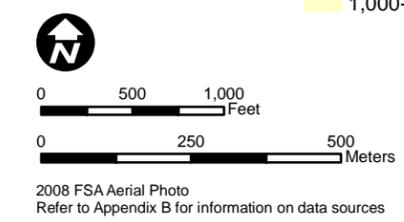
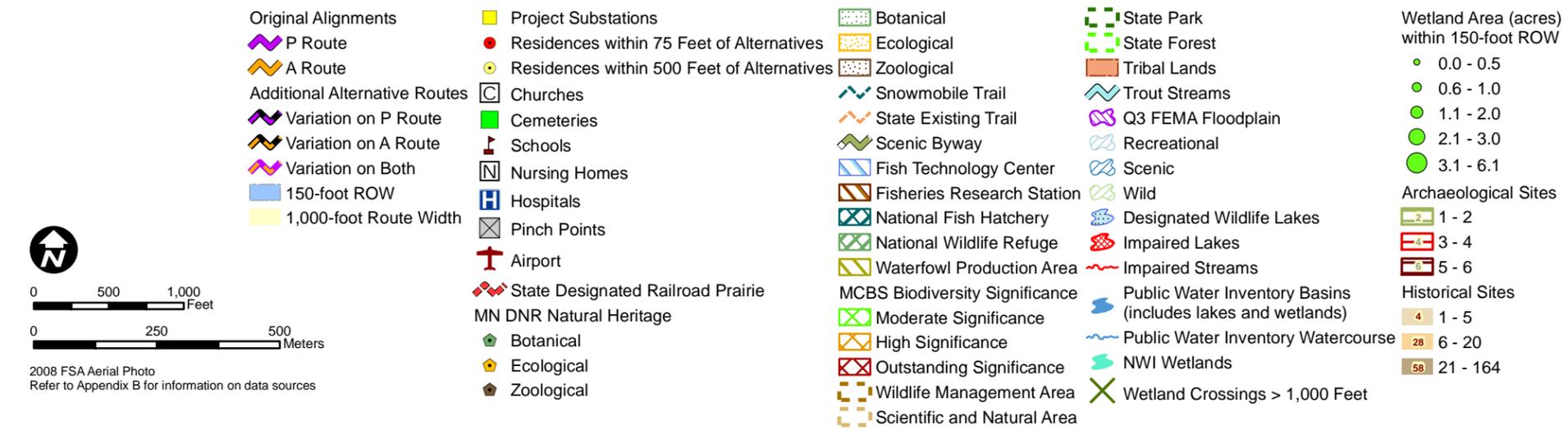
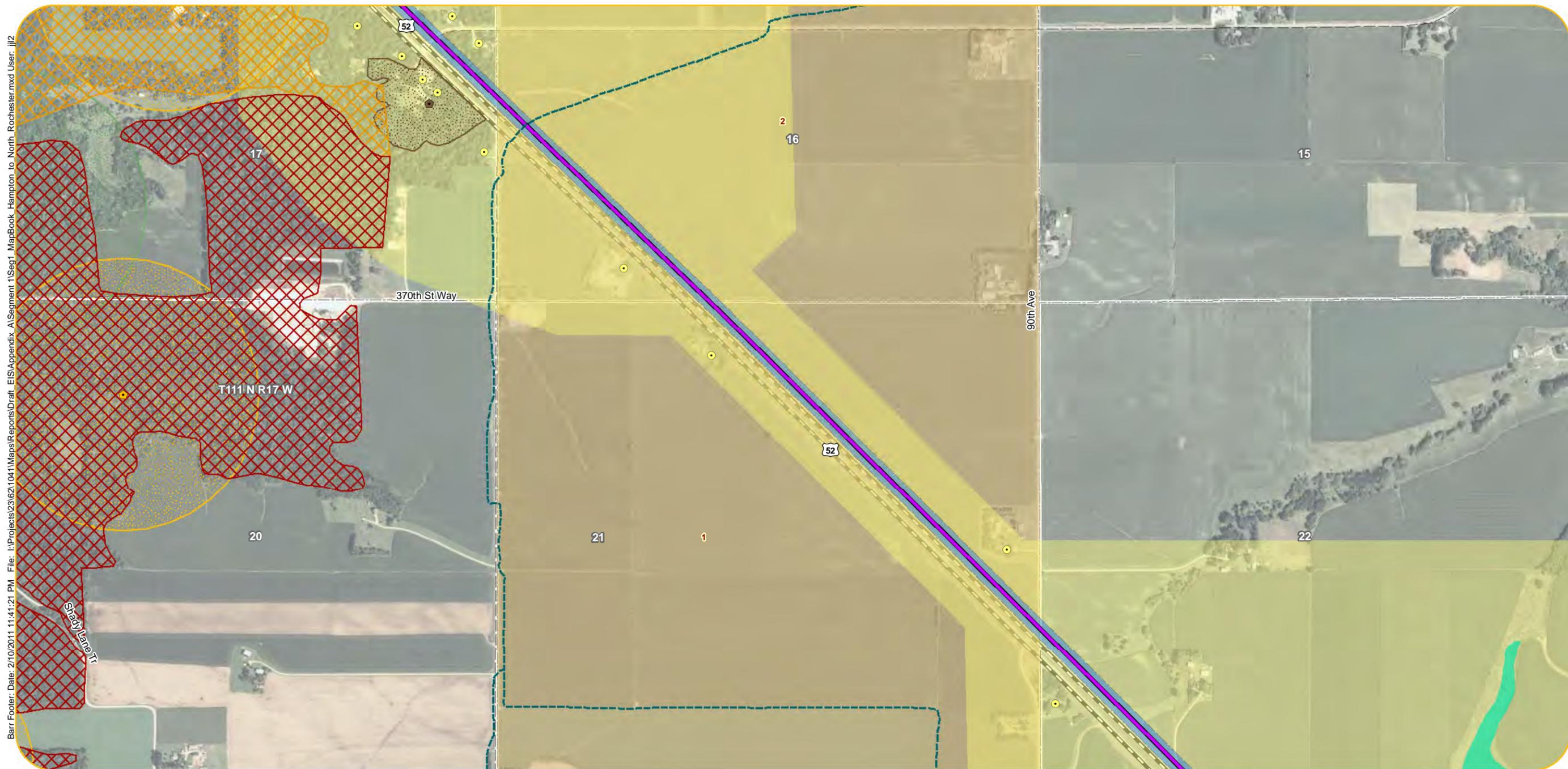
- Wetland Area (acres) within 150-foot ROW**
- 0.0 - 0.5
 - 0.6 - 1.0
 - 1.1 - 2.0
 - 2.1 - 3.0
 - 3.1 - 6.1
- Archaeological Sites**
- 1 - 2
 - 3 - 4
 - 5 - 6
- Historical Sites**
- 4 1 - 5
 - 28 6 - 20
 - 58 21 - 164



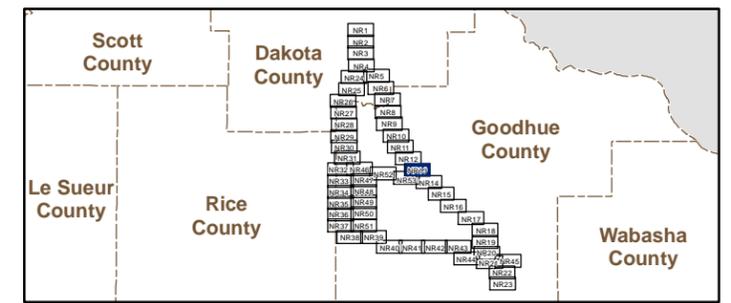
Appendix A - Sheet NR12
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

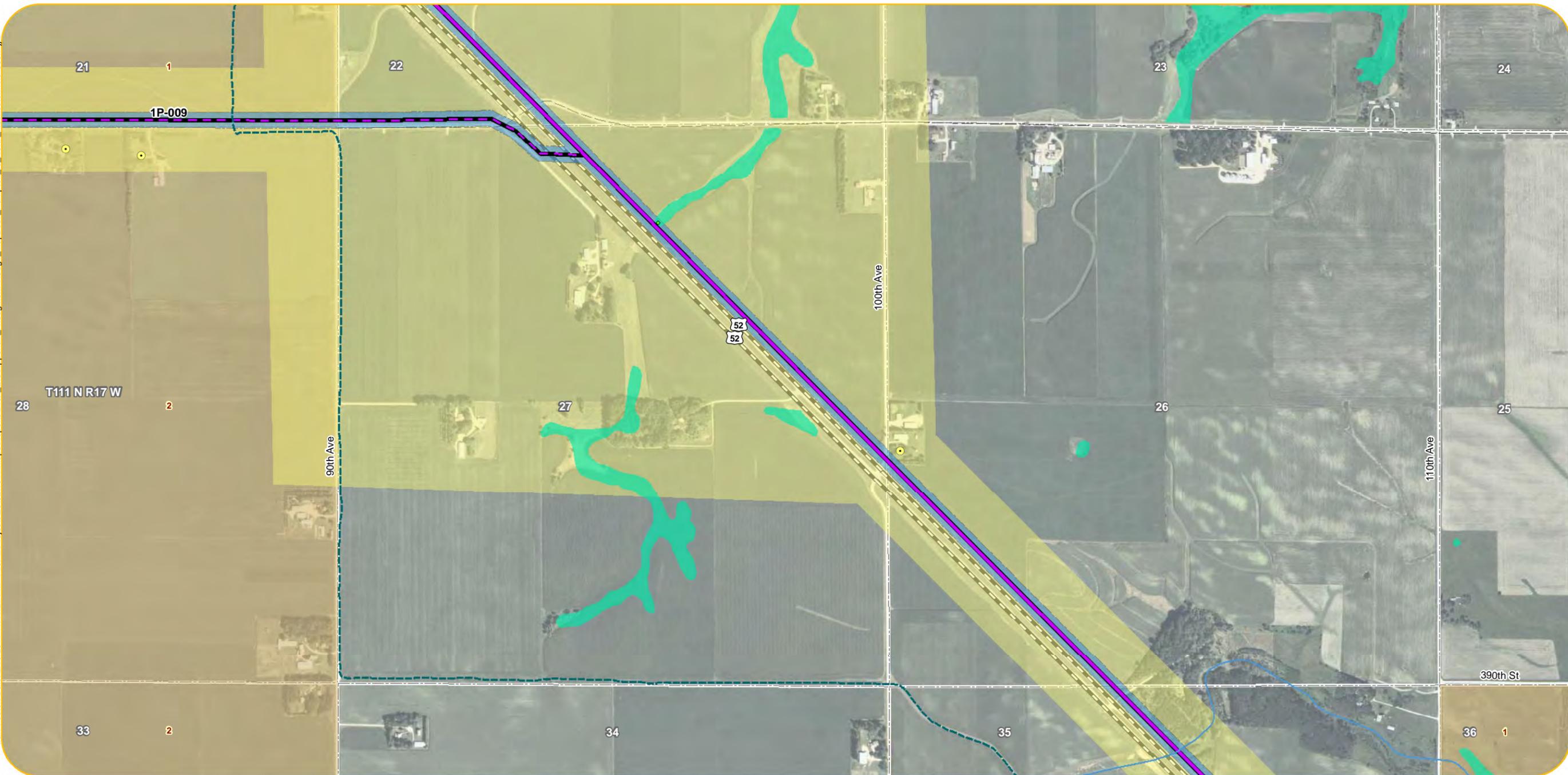


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Appendix A - Sheet NR13
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation





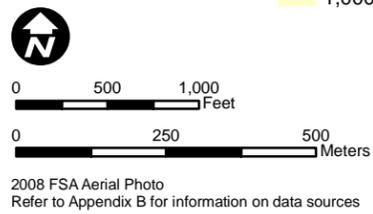
- Original Alignments**
- P Route
 - A Route
- Additional Alternative Routes**
- Variation on P Route
 - Variation on A Route
 - Variation on Both
 - 150-foot ROW
 - 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage**
 - Botanical
 - Ecological
 - Zoological

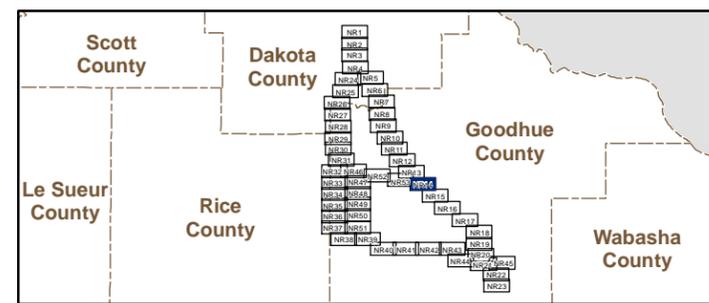
- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
 - Moderate Significance
 - High Significance
 - Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

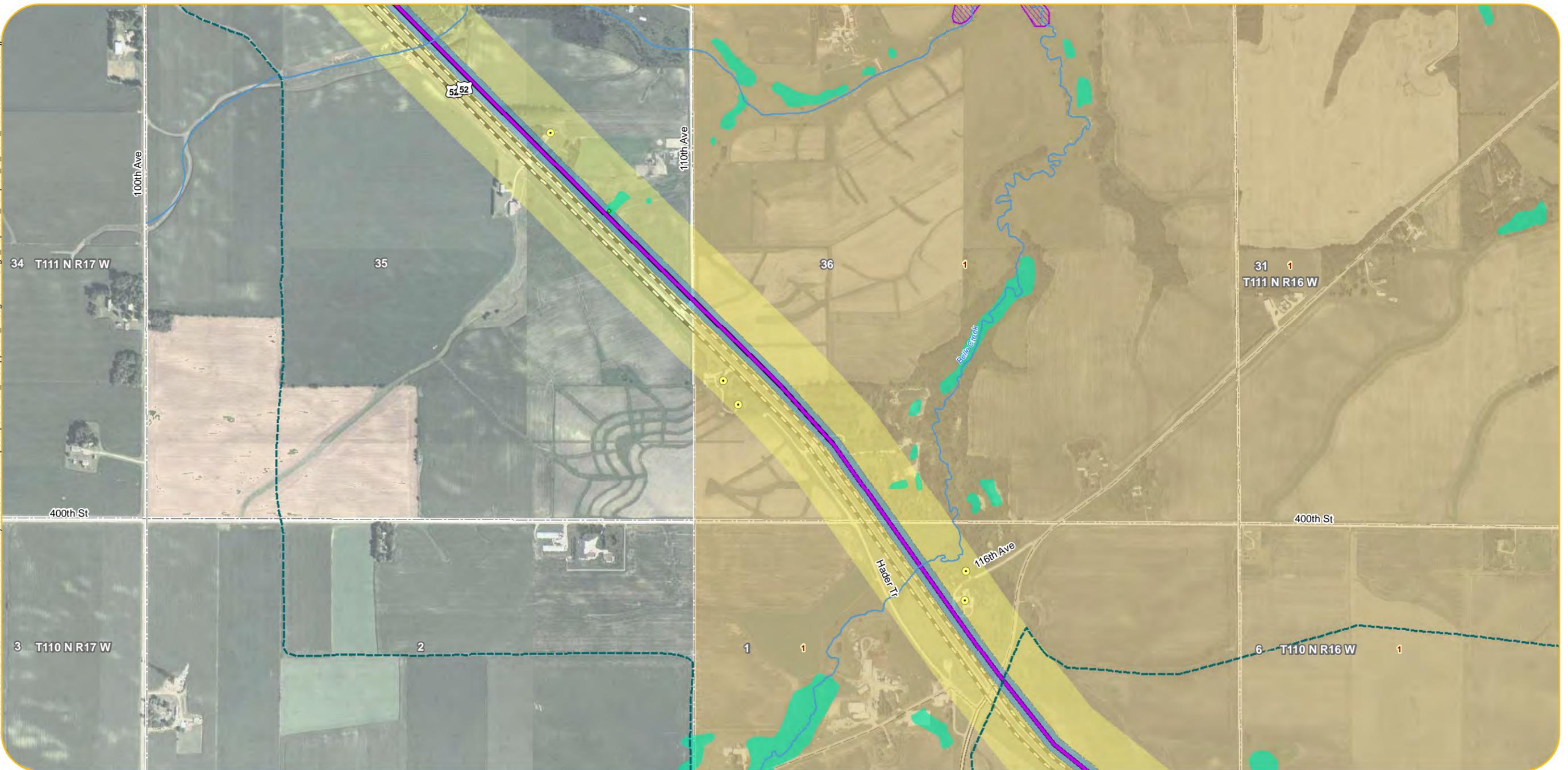
- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

- Wetland Area (acres) within 150-foot ROW**
- 0.0 - 0.5
 - 0.6 - 1.0
 - 1.1 - 2.0
 - 2.1 - 3.0
 - 3.1 - 6.1
- Archaeological Sites**
- 1 - 2
 - 3 - 4
 - 5 - 6
- Historical Sites**
- 1 - 5
 - 6 - 20
 - 21 - 164

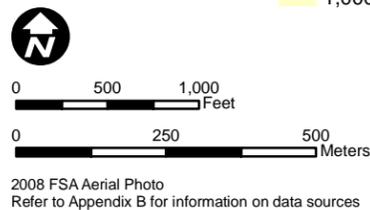


Appendix A - Sheet NR14
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

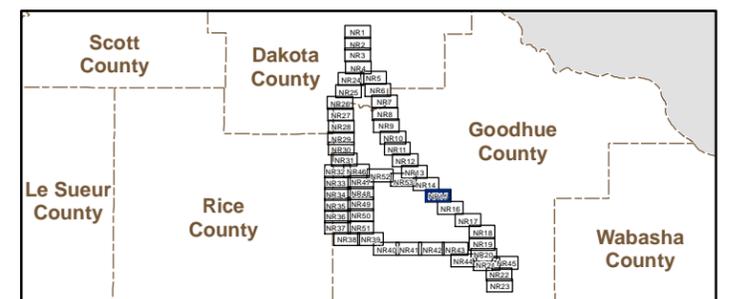


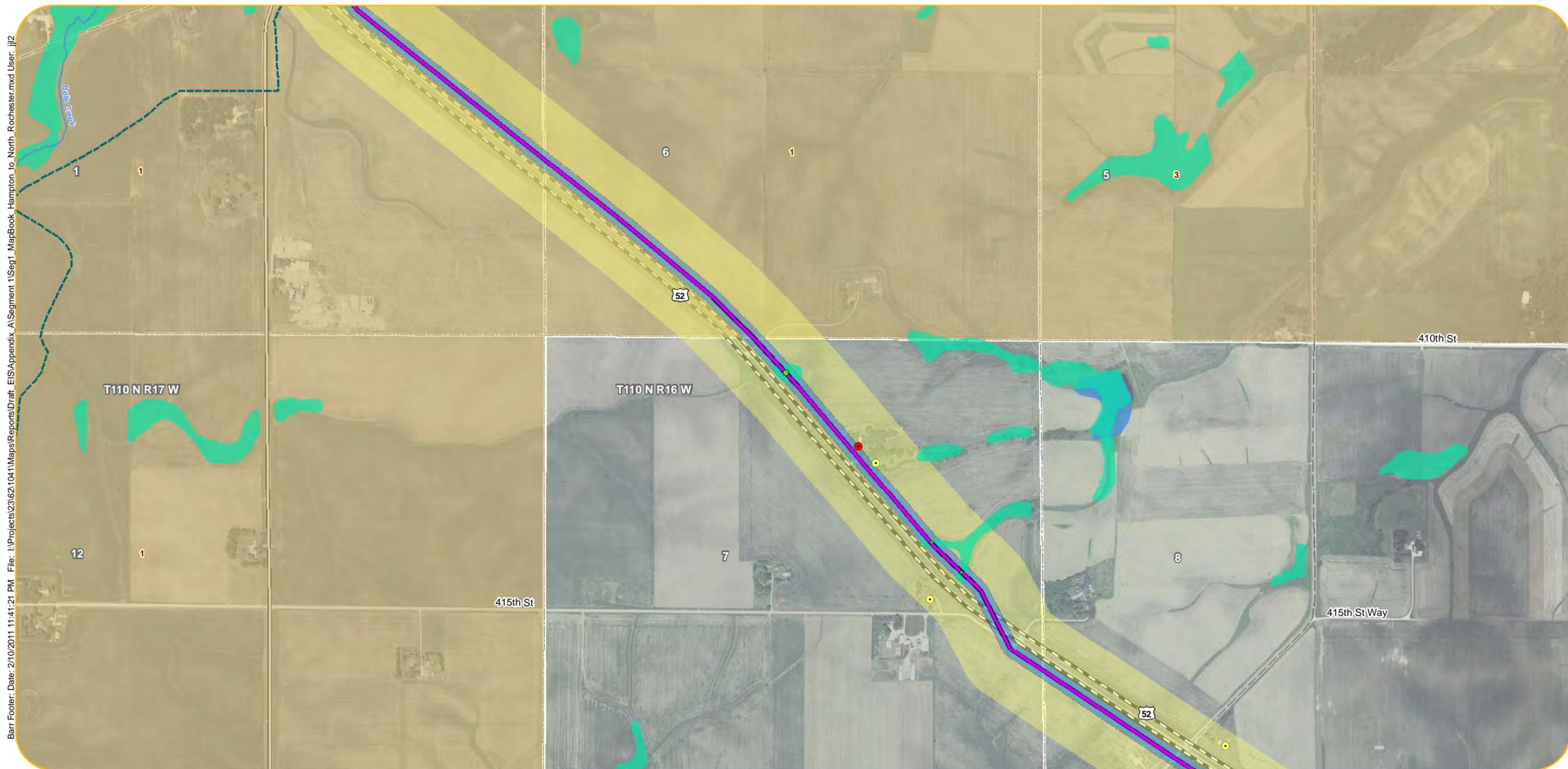


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



Appendix A - Sheet NR15
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation





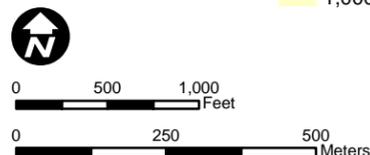
- Original Alignments
- P Route
- A Route
- Additional Alternative Routes
- Variation on P Route
- Variation on A Route
- Variation on Both
- 150-foot ROW
- 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological

- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

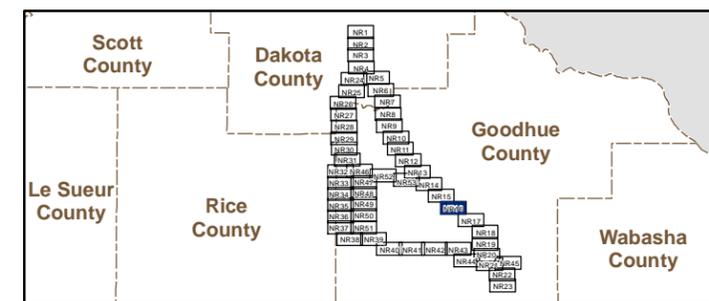
- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

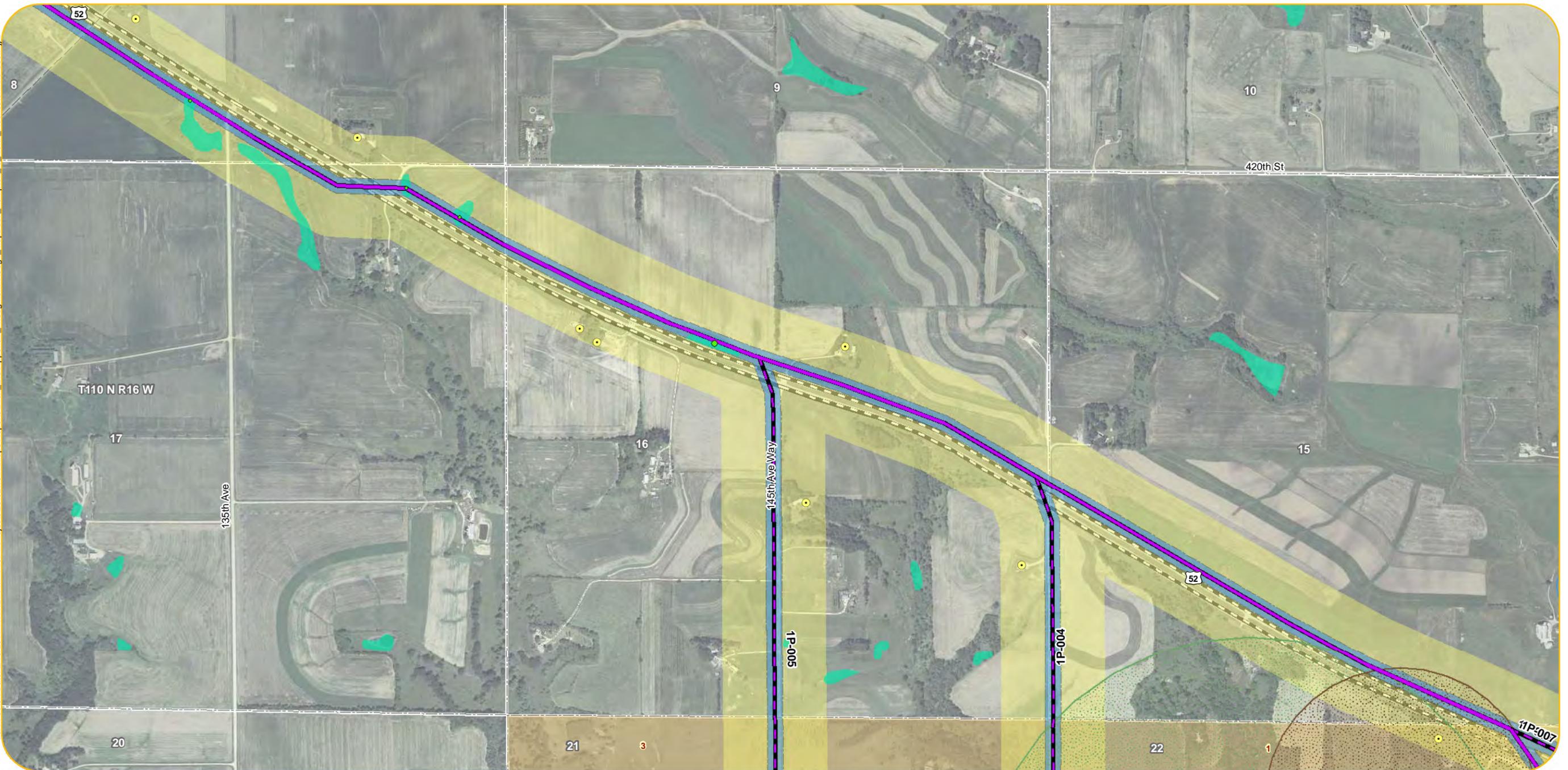
- Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 1.0
- 1.1 - 2.0
- 2.1 - 3.0
- 3.1 - 6.1
- Archaeological Sites
- 1 - 2
- 3 - 4
- 5 - 6
- Historical Sites
- 1 - 5
- 6 - 20
- 21 - 164



2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

Appendix A - Sheet NR16
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation





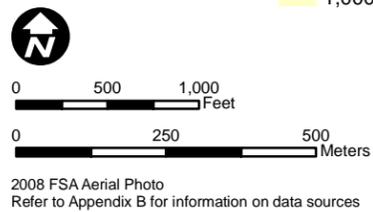
- Original Alignments**
- P Route
 - A Route
 - Additional Alternative Routes**
 - Variation on P Route
 - Variation on A Route
 - Variation on Both
 - 150-foot ROW
 - 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage**
- Botanical
- Ecological
- Zoological

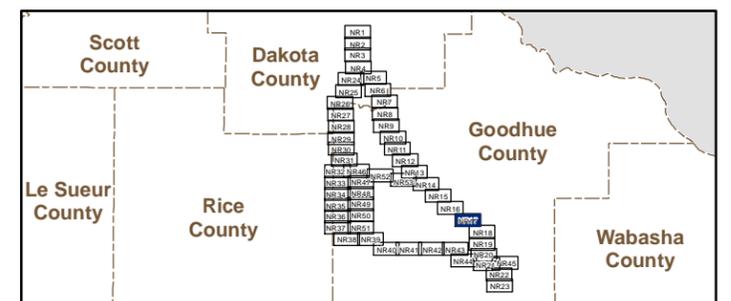
- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

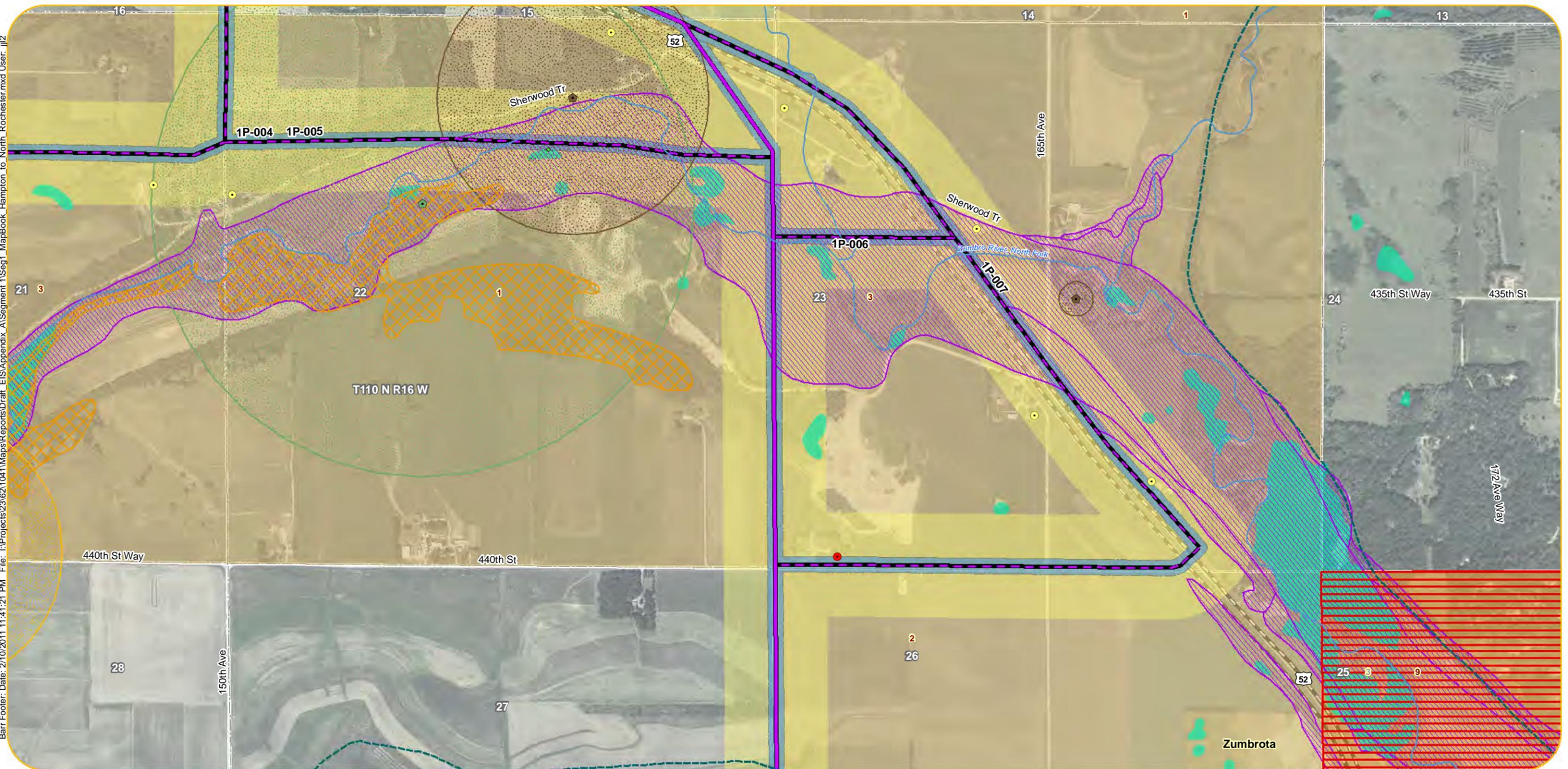
- Wetland Area (acres) within 150-foot ROW**
- 0.0 - 0.5
 - 0.6 - 1.0
 - 1.1 - 2.0
 - 2.1 - 3.0
 - 3.1 - 6.1
- Archaeological Sites**
- 1 - 2
 - 3 - 4
 - 5 - 6
- Historical Sites**
- 4 1 - 5
 - 28 6 - 20
 - 58 21 - 164



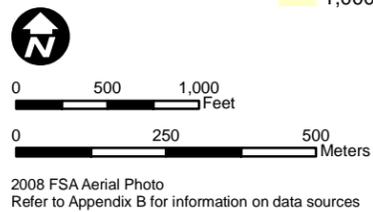
Appendix A - Sheet NR17
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



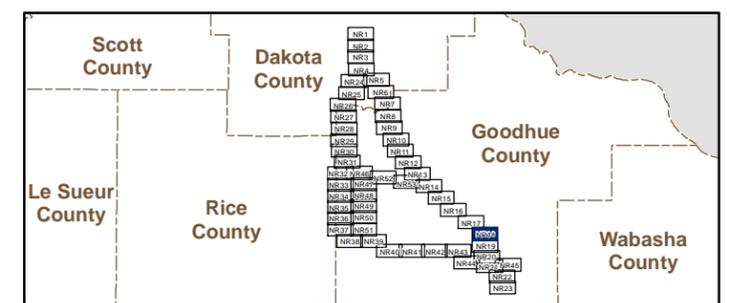
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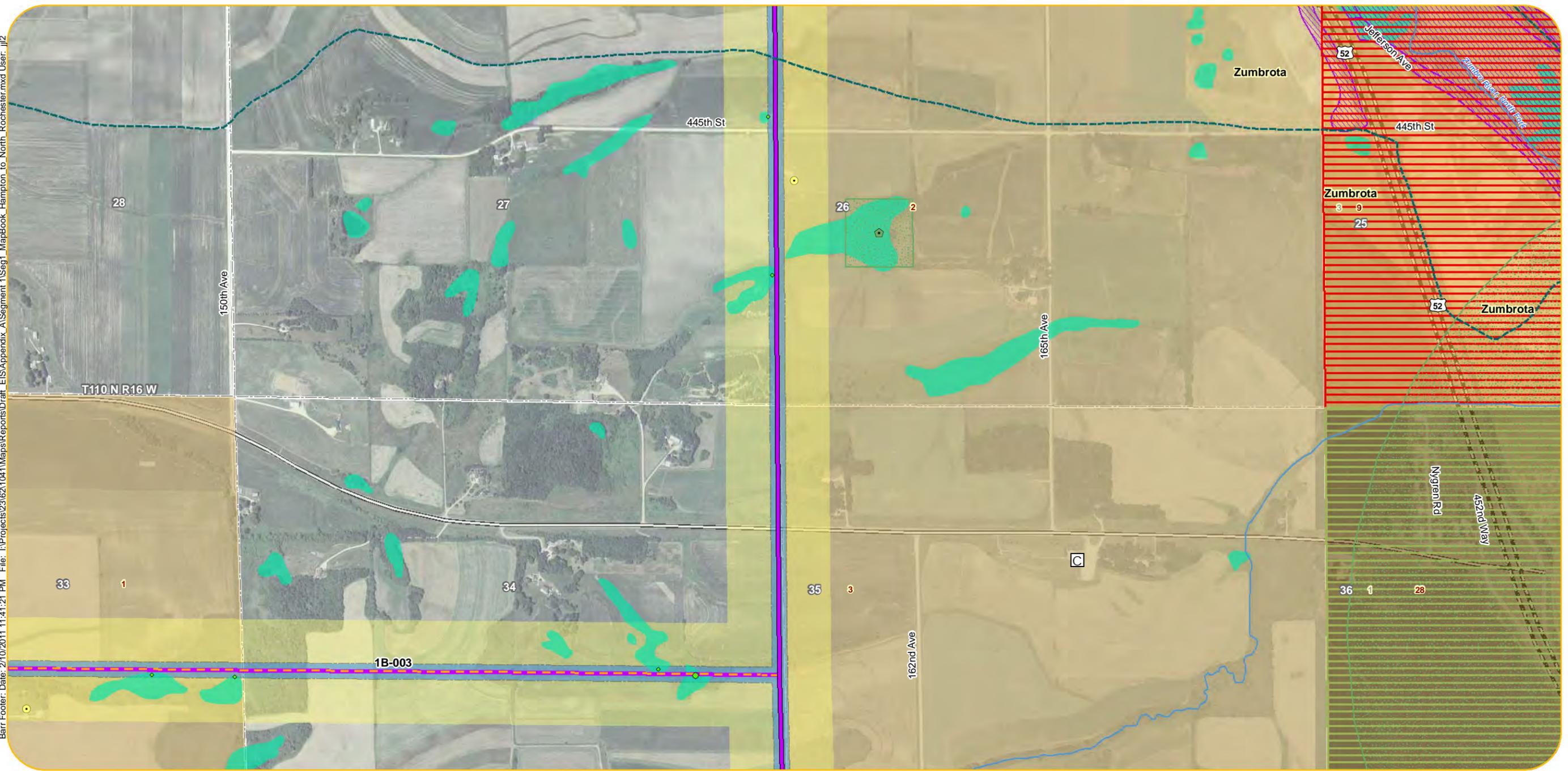
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



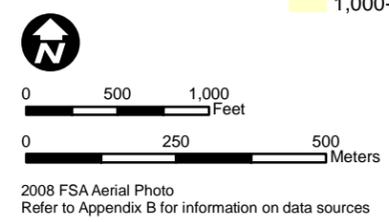
Appendix A - Sheet NR18
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



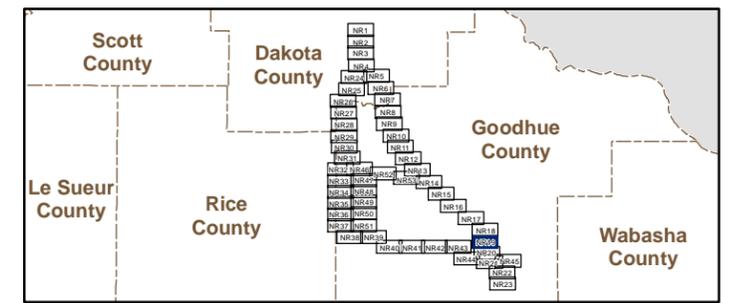
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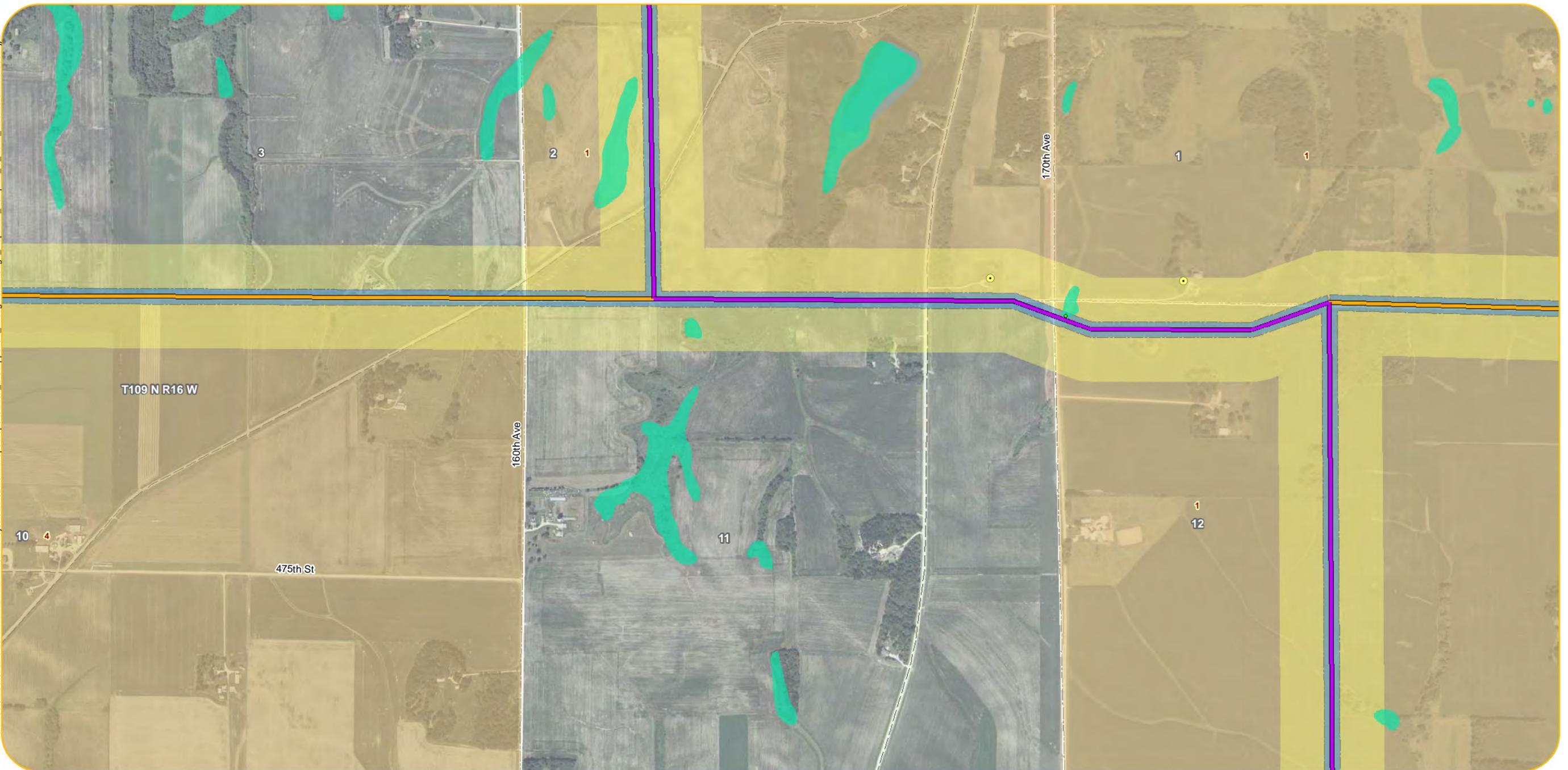


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |

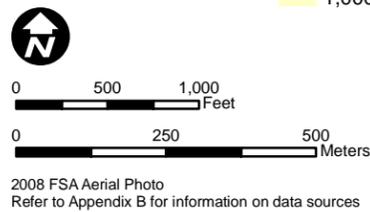


Appendix A - Sheet NR19
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

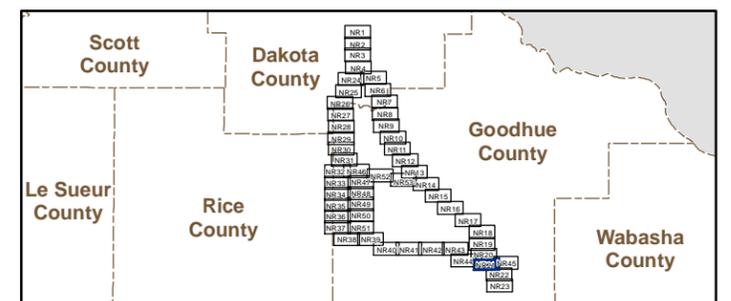


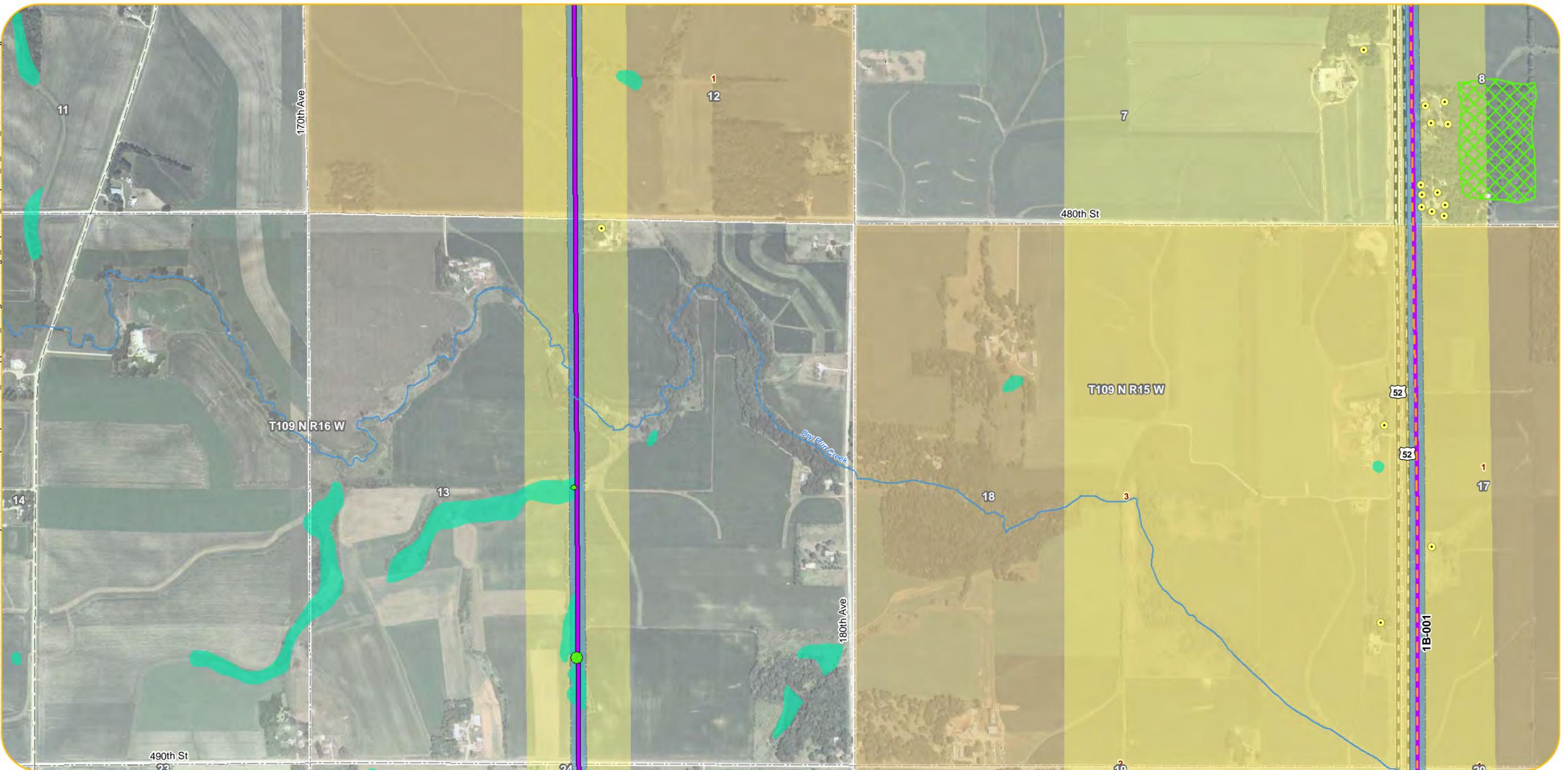


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



Appendix A - Sheet NR21
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation





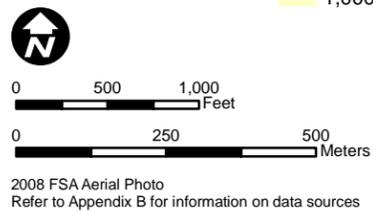
- Original Alignments
- P Route
- A Route
- Additional Alternative Routes
- Variation on P Route
- Variation on A Route
- Variation on Both
- 150-foot ROW
- 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage
 - Botanical
 - Ecological
 - Zoological

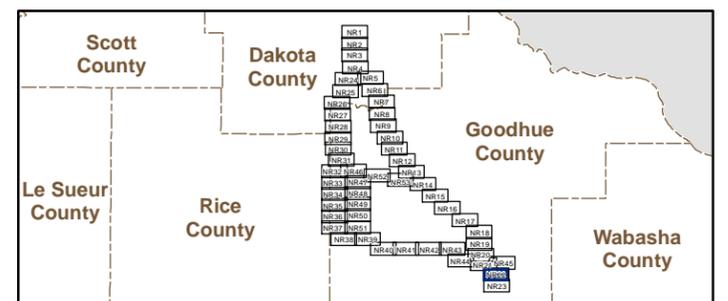
- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
 - Moderate Significance
 - High Significance
 - Outstanding Significance
 - Wildlife Management Area
 - Scientific and Natural Area

- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

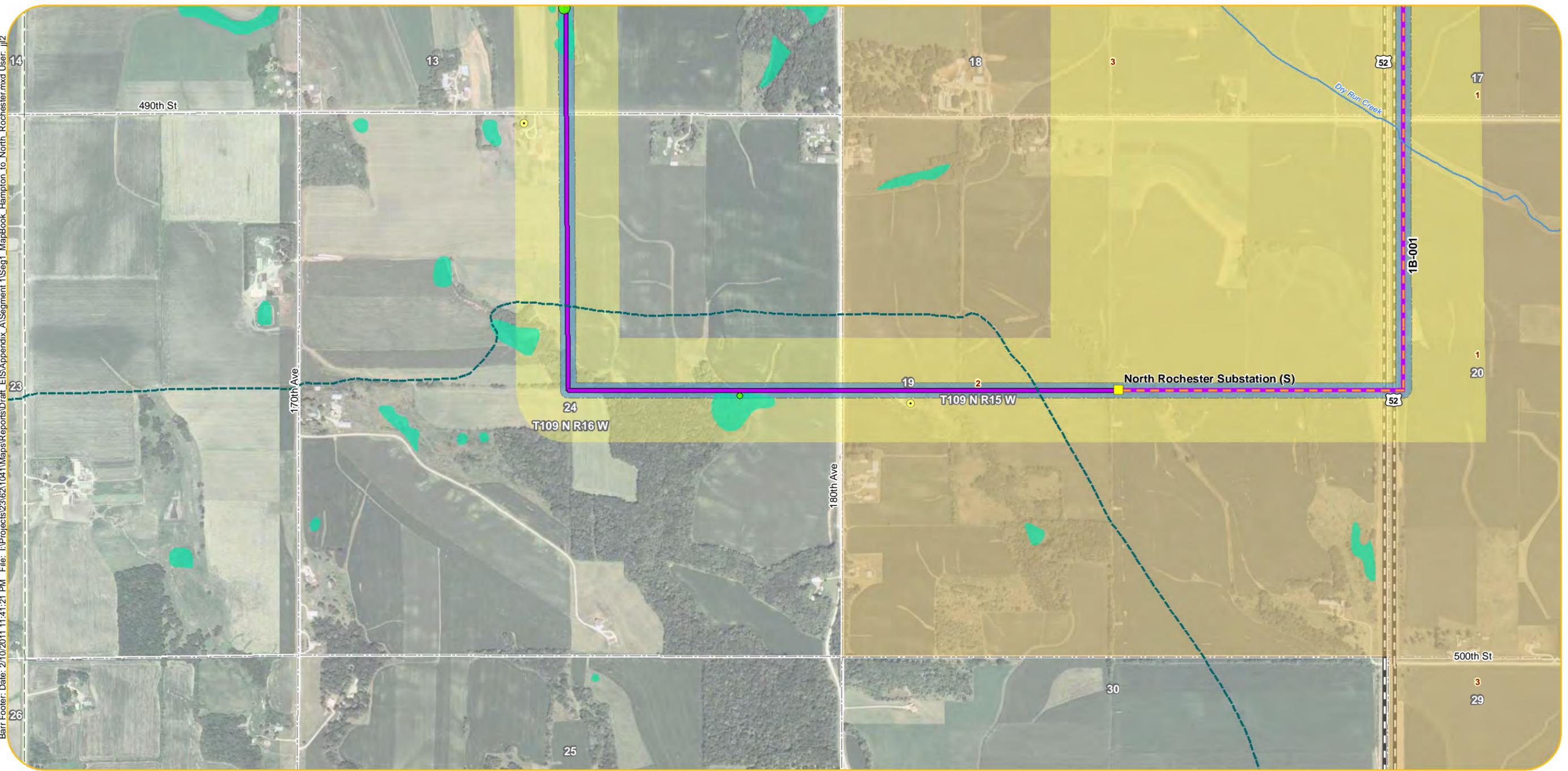
- Wetland Area (acres) within 150-foot ROW
 - 0.0 - 0.5
 - 0.6 - 1.0
 - 1.1 - 2.0
 - 2.1 - 3.0
 - 3.1 - 6.1
- Archaeological Sites
 - 1 - 2
 - 3 - 4
 - 5 - 6
- Historical Sites
 - 1 - 5
 - 6 - 20
 - 21 - 164



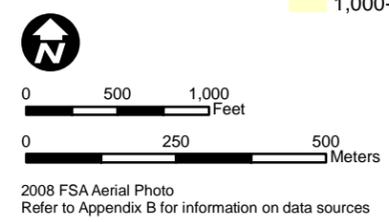
Appendix A - Sheet NR22
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



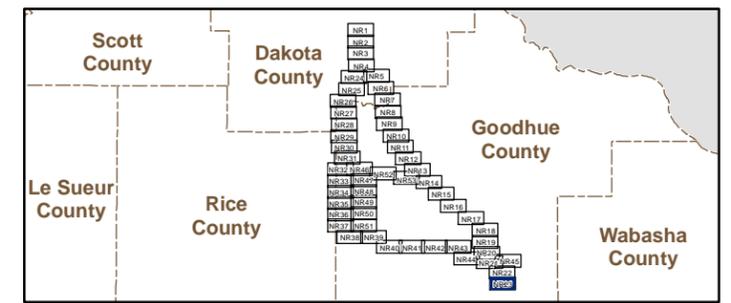
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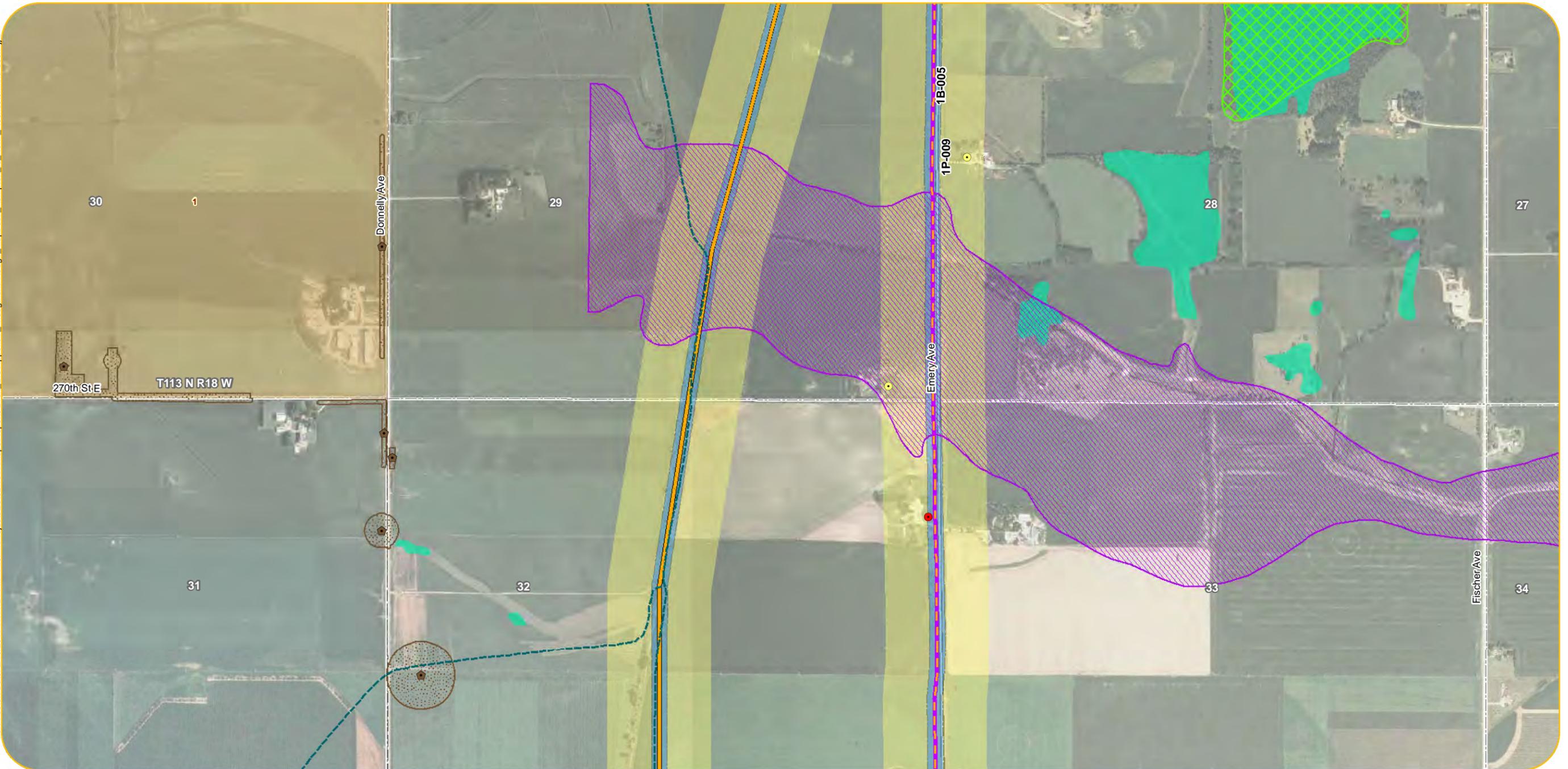


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



Appendix A - Sheet NR23
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation





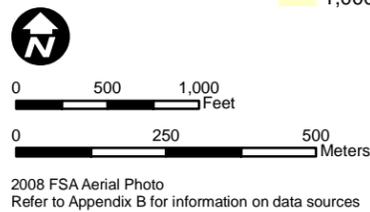
- Original Alignments
- P Route
- A Route
- Additional Alternative Routes
- Variation on P Route
- Variation on A Route
- Variation on Both
- 150-foot ROW
- 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological

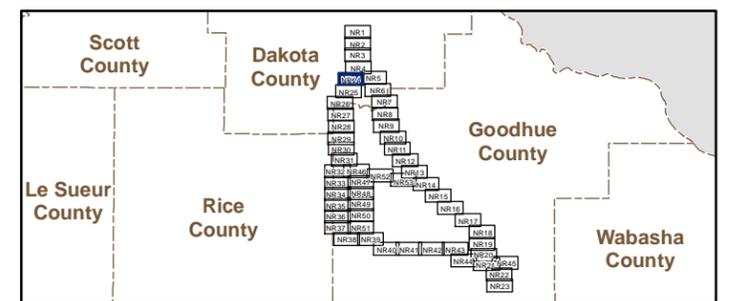
- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

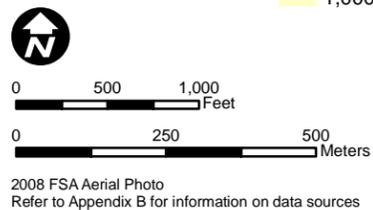
- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

- Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 1.0
- 1.1 - 2.0
- 2.1 - 3.0
- 3.1 - 6.1
- Archaeological Sites
- 1 - 2
- 3 - 4
- 5 - 6
- Historical Sites
- 1 - 5
- 6 - 20
- 21 - 164



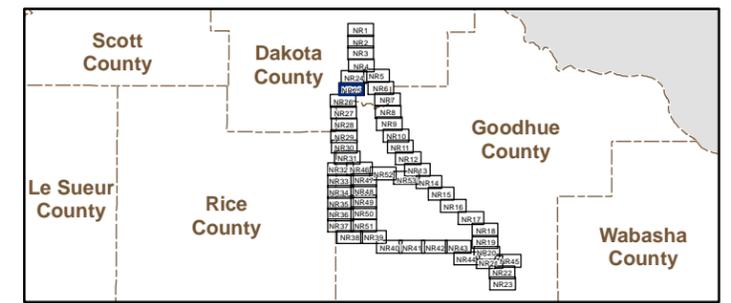
Appendix A - Sheet NR24
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



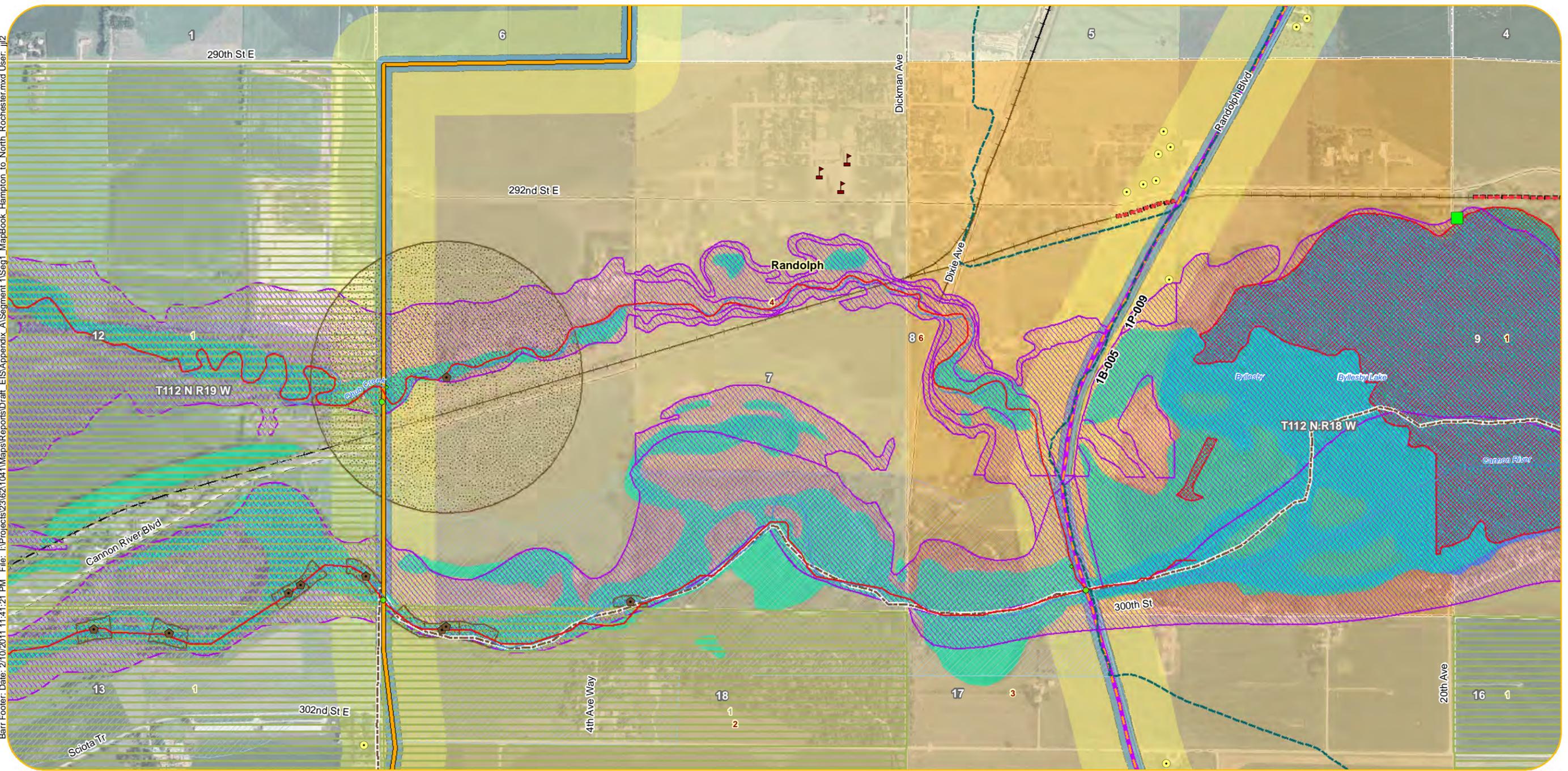


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |

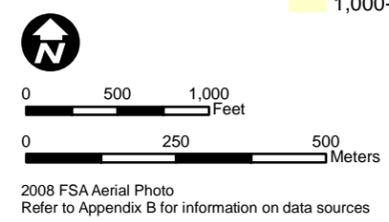
Appendix A - Sheet NR25
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



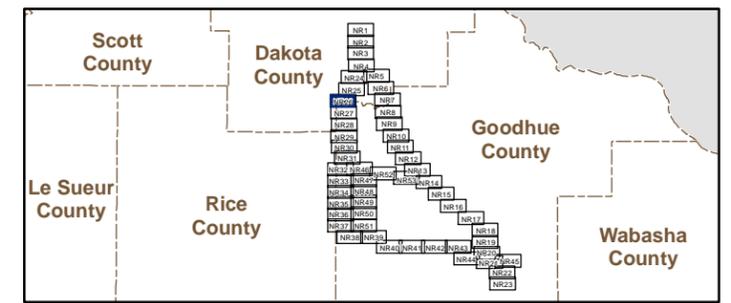
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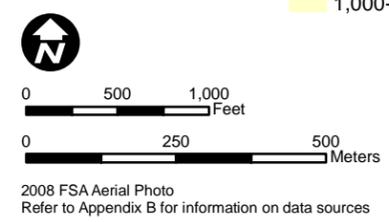
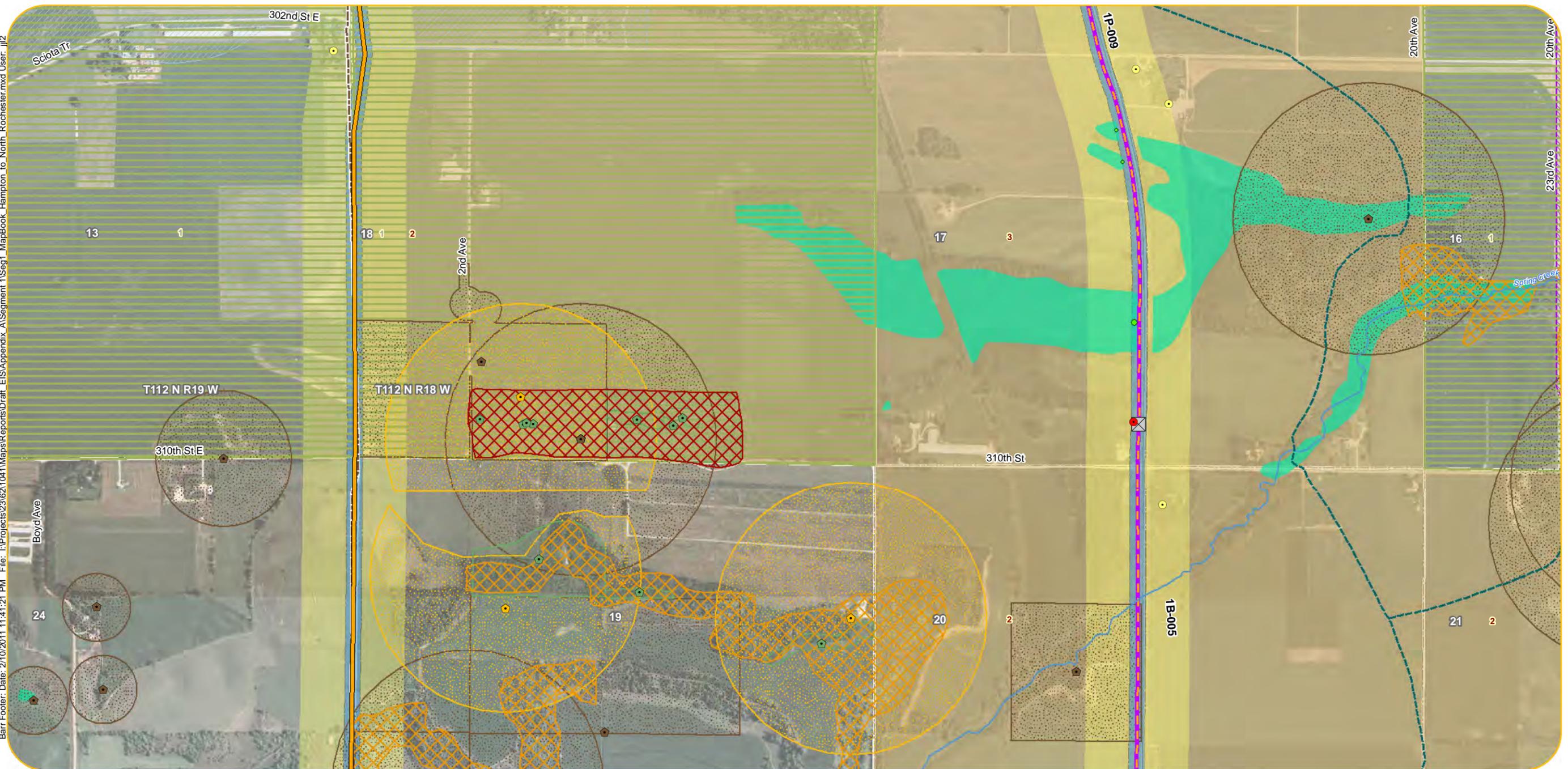


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.0 - 0.5 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 0.6 - 1.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 1.1 - 2.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 2.1 - 3.0 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | 3.1 - 6.1 |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | Archaeological Sites |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 1 - 2 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 3 - 4 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | 5 - 6 |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | Historical Sites |
| | Botanical | High Significance | Public Water Inventory Watercourse | 1 - 5 |
| | Ecological | Outstanding Significance | NWI Wetlands | 6 - 20 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | 21 - 164 |
| | | Scientific and Natural Area | | |



Appendix A - Sheet NR26
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

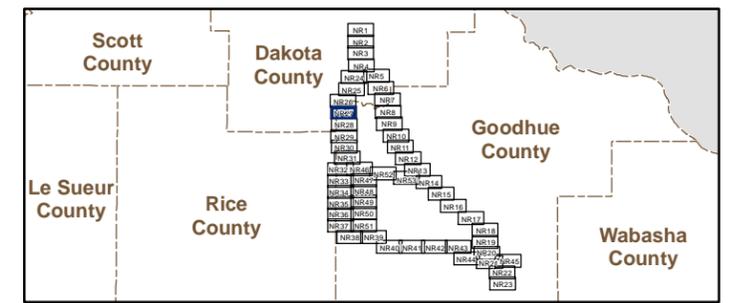


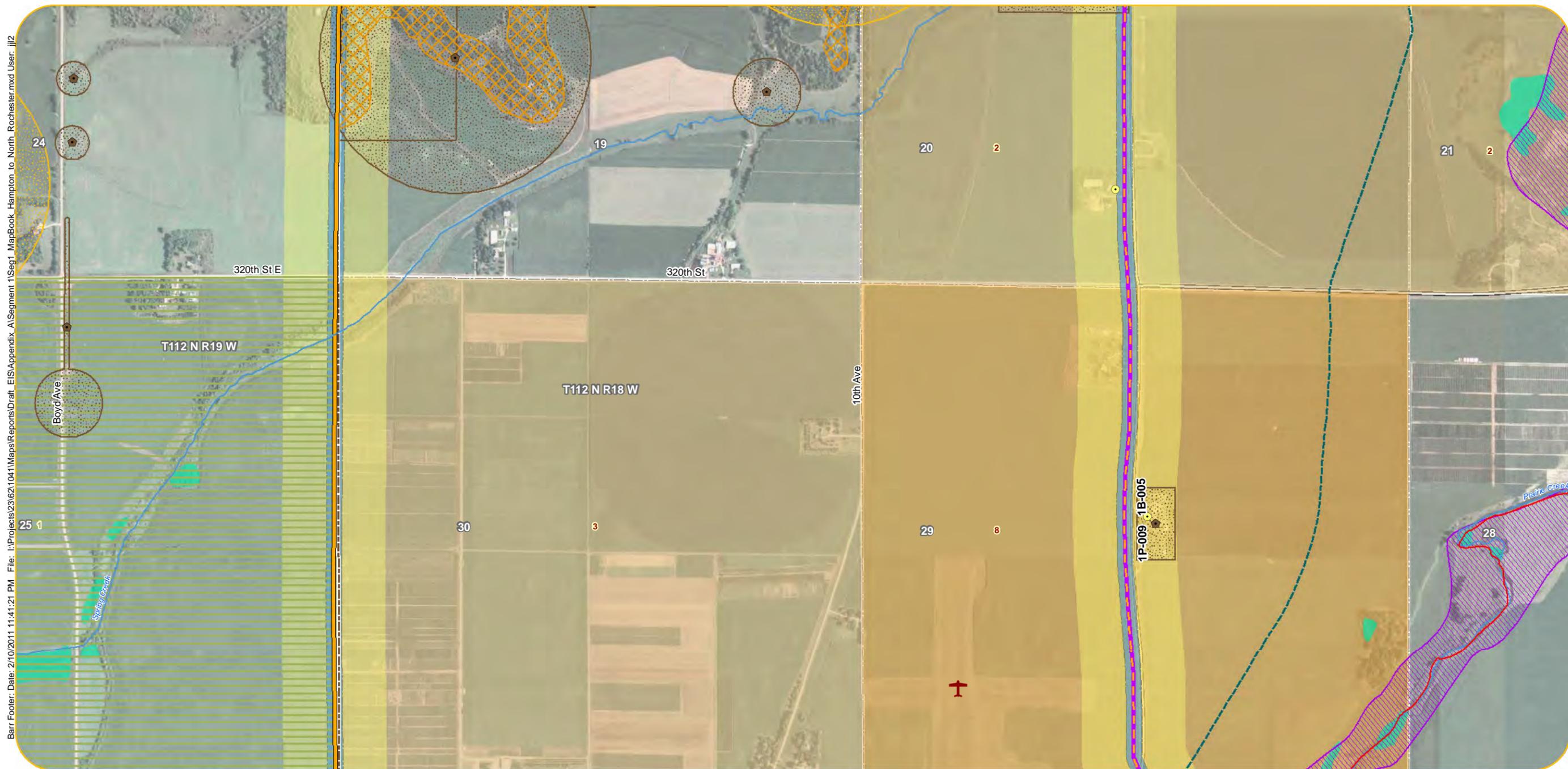


2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

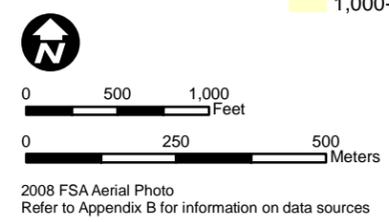
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |

Appendix A - Sheet NR27
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

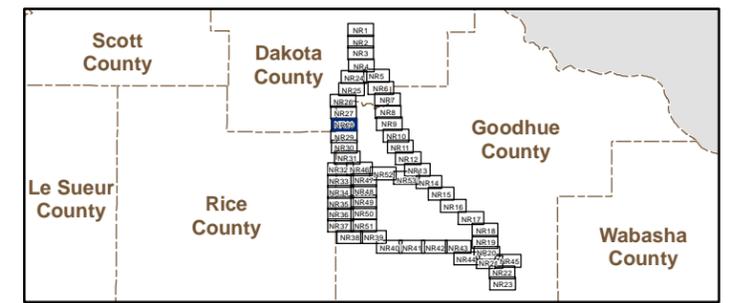




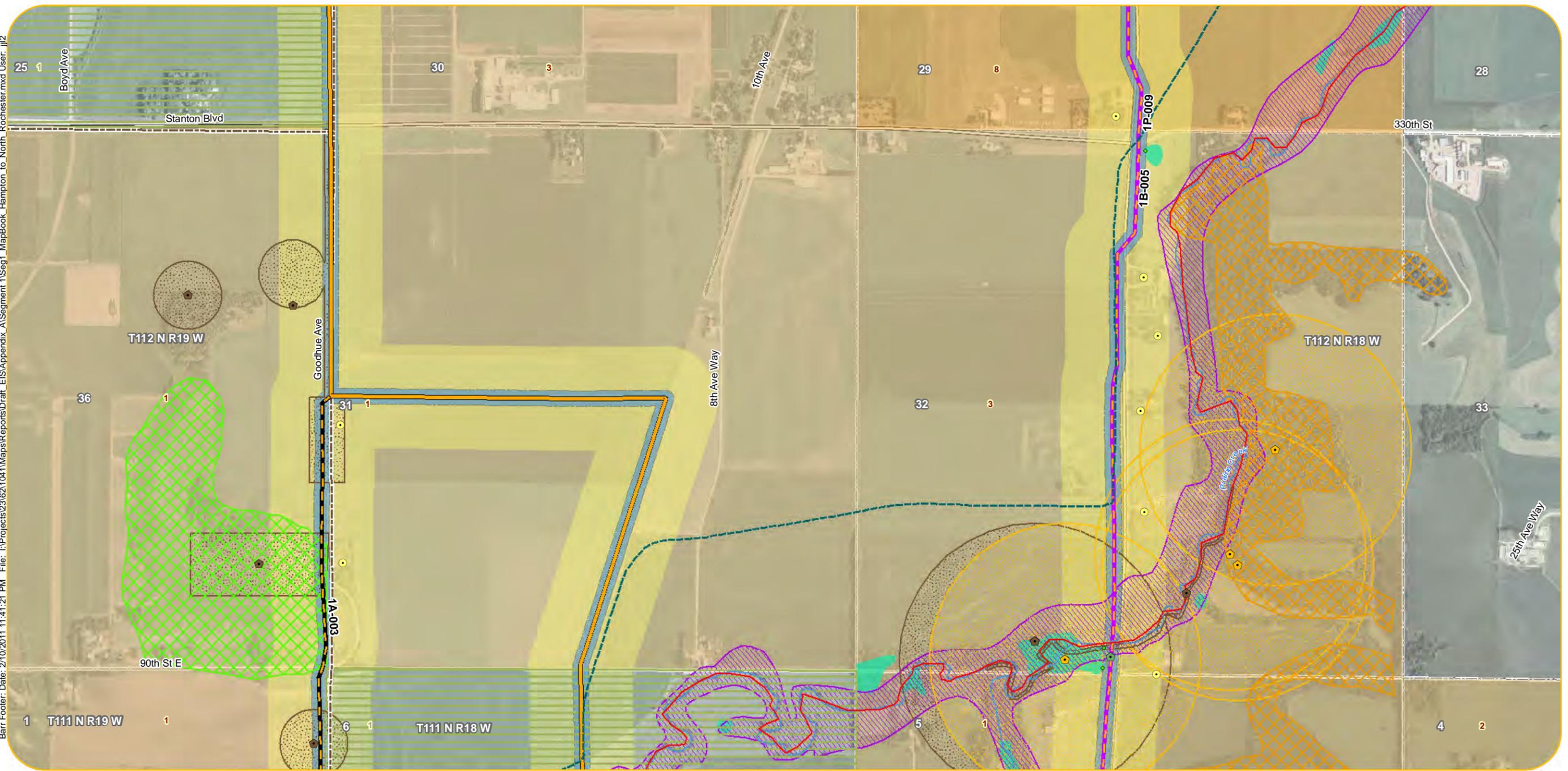
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



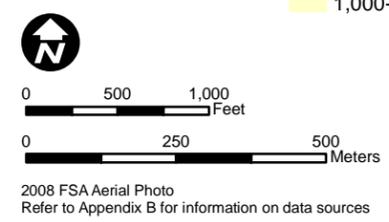
Appendix A - Sheet NR28
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



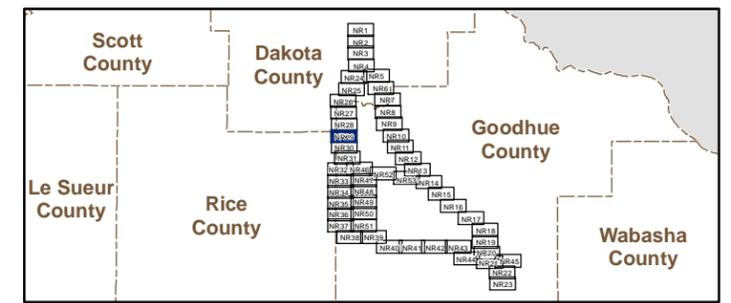
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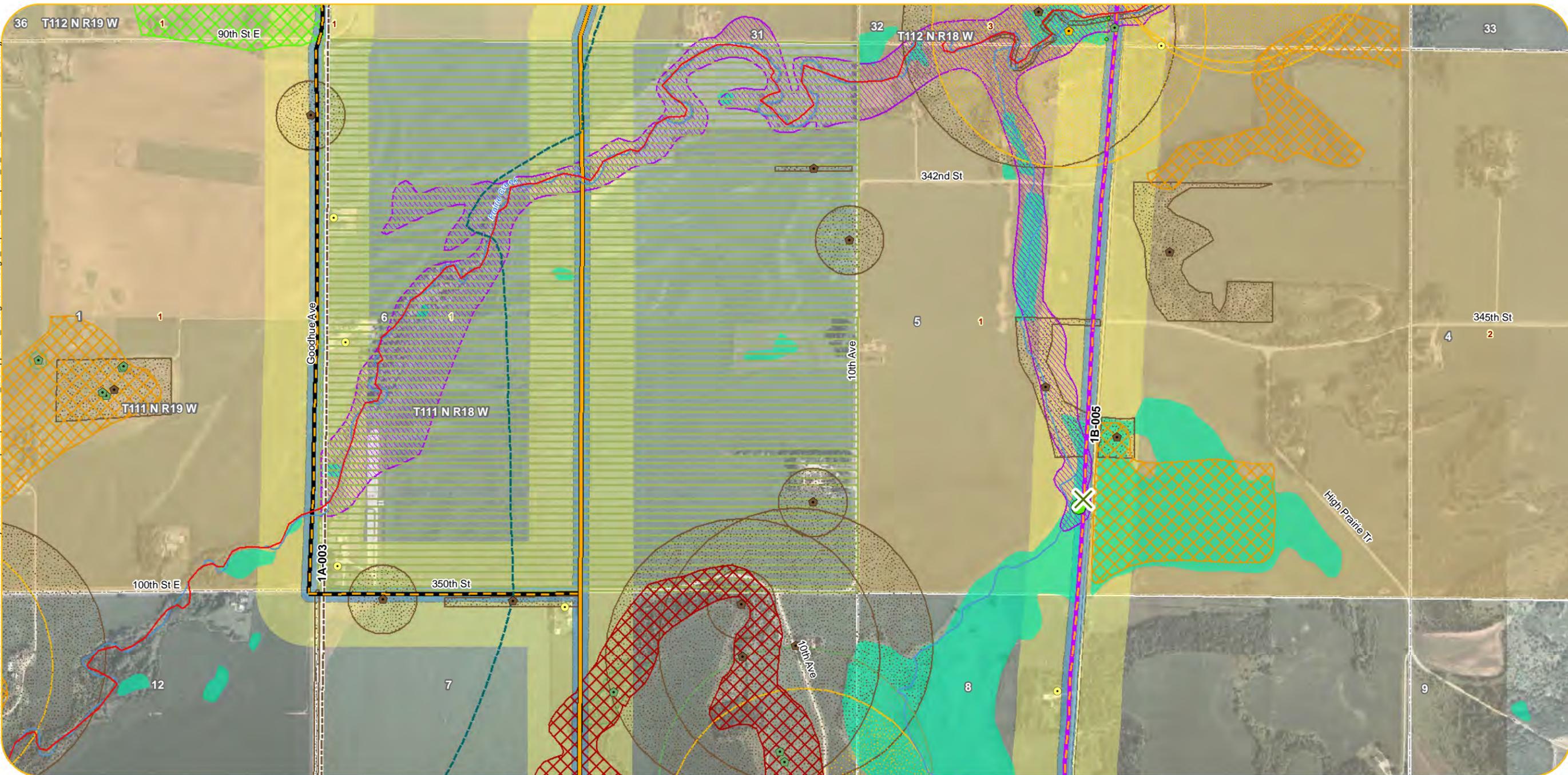
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



Appendix A - Sheet NR29
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



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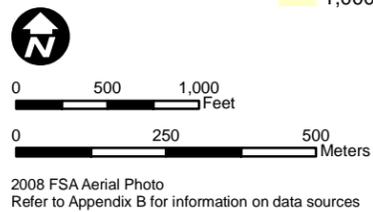
- Original Alignments
- P Route
- A Route
- Additional Alternative Routes
- Variation on P Route
- Variation on A Route
- Variation on Both
- 150-foot ROW
- 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological

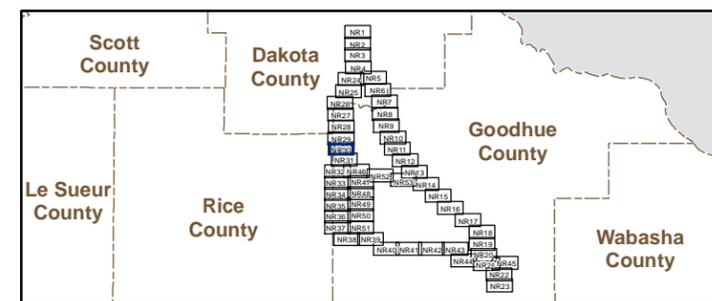
- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

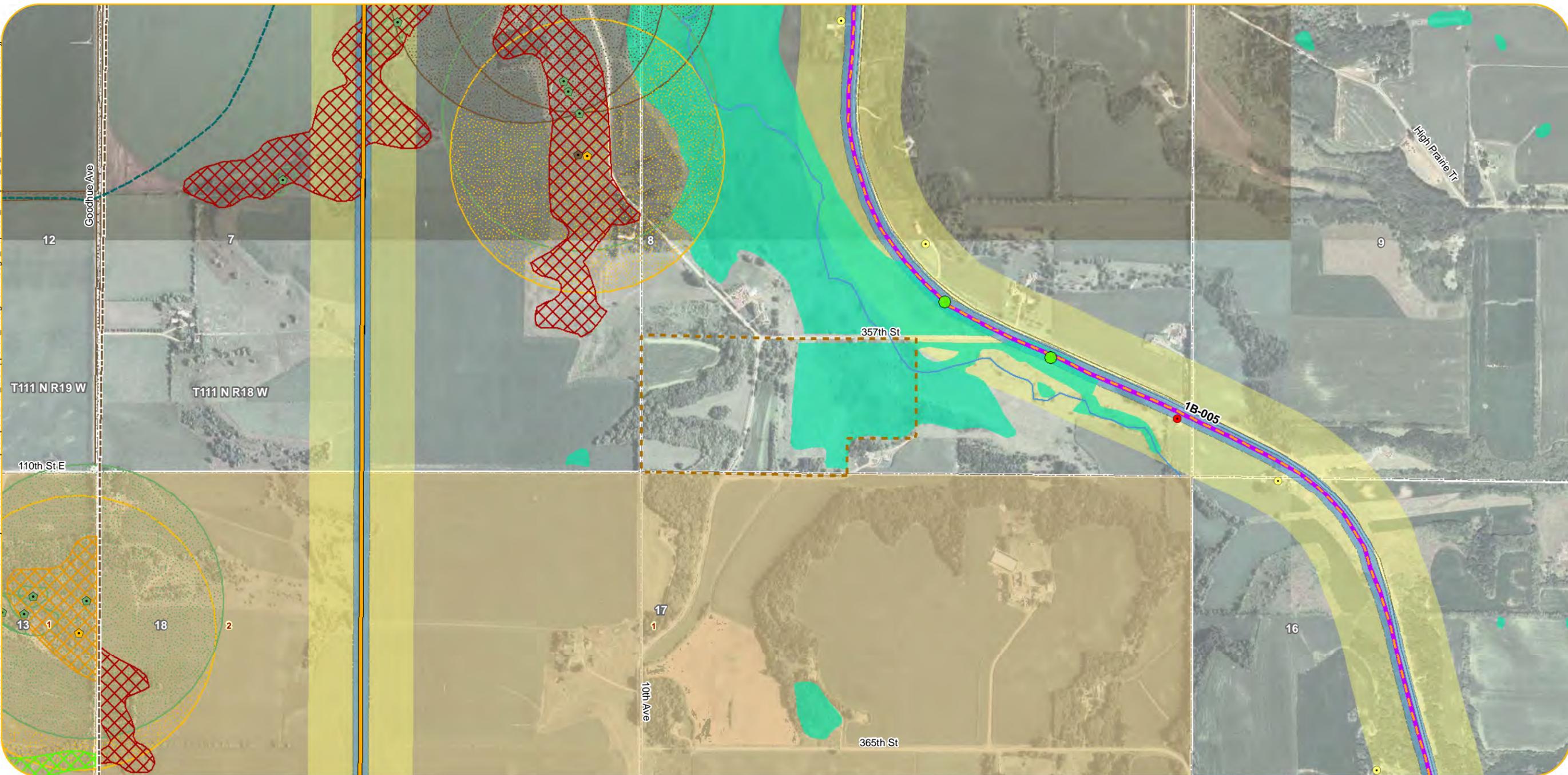
- Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 1.0
- 1.1 - 2.0
- 2.1 - 3.0
- 3.1 - 6.1
- Archaeological Sites
- 1 - 2
- 3 - 4
- 5 - 6
- Historical Sites
- 1 - 5
- 6 - 20
- 21 - 164



Appendix A - Sheet NR30
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



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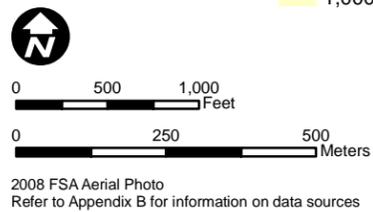
- Original Alignments**
- P Route
 - A Route
 - Additional Alternative Routes**
 - Variation on P Route
 - Variation on A Route
 - Variation on Both
 - 150-foot ROW
 - 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage**
- Botanical
- Ecological
- Zoological

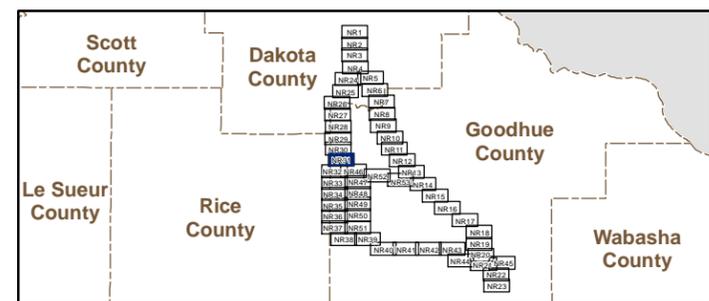
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- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

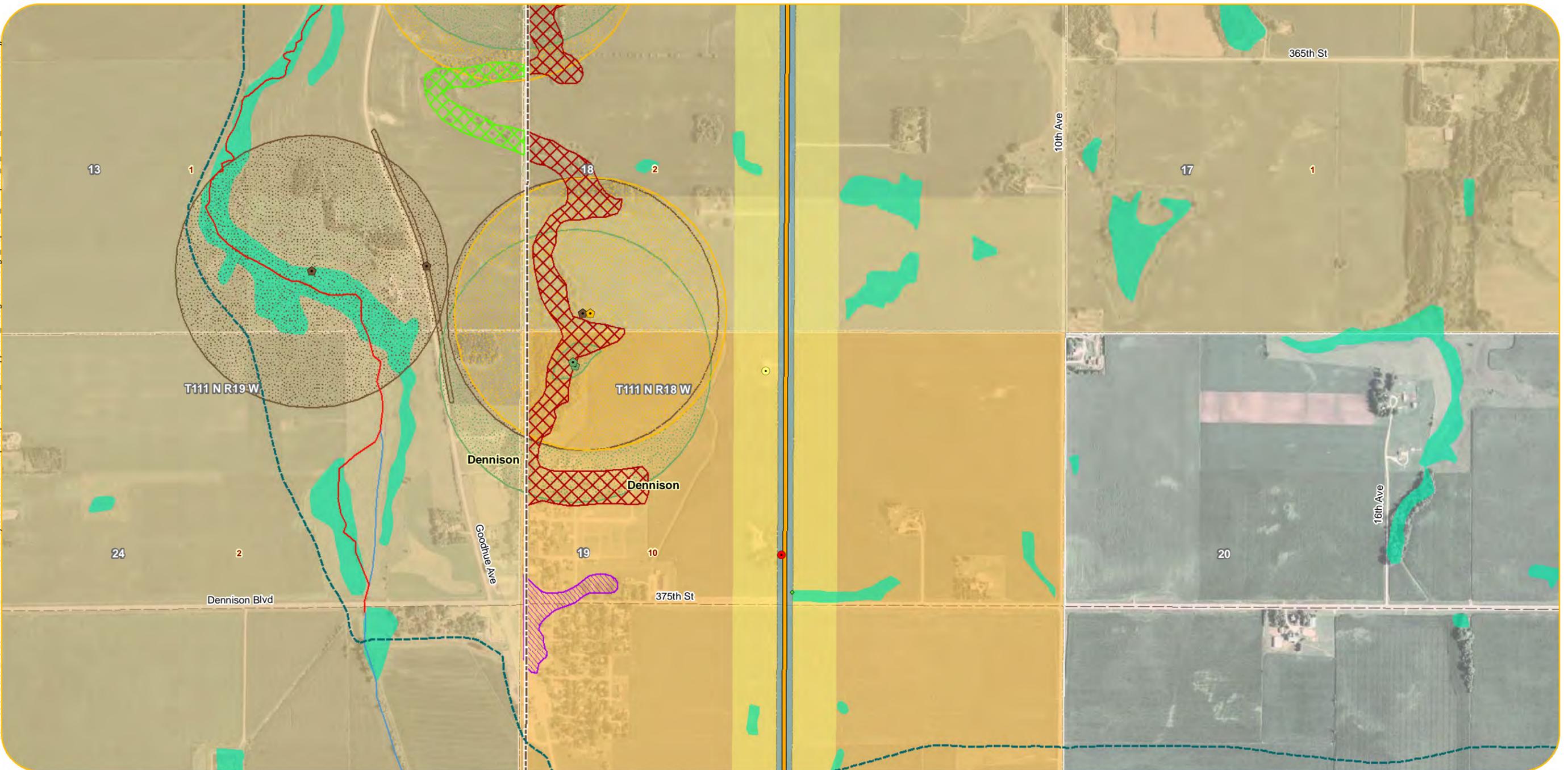
- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

- Wetland Area (acres) within 150-foot ROW**
- 0.0 - 0.5
 - 0.6 - 1.0
 - 1.1 - 2.0
 - 2.1 - 3.0
 - 3.1 - 6.1
- Archaeological Sites**
- 1 - 2
 - 3 - 4
 - 5 - 6
- Historical Sites**
- 4 1 - 5
 - 28 6 - 20
 - 58 21 - 164

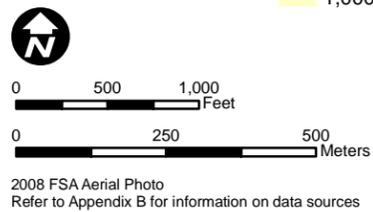


Appendix A - Sheet NR31
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

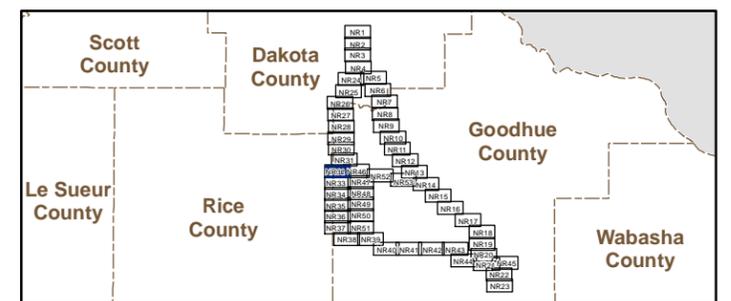


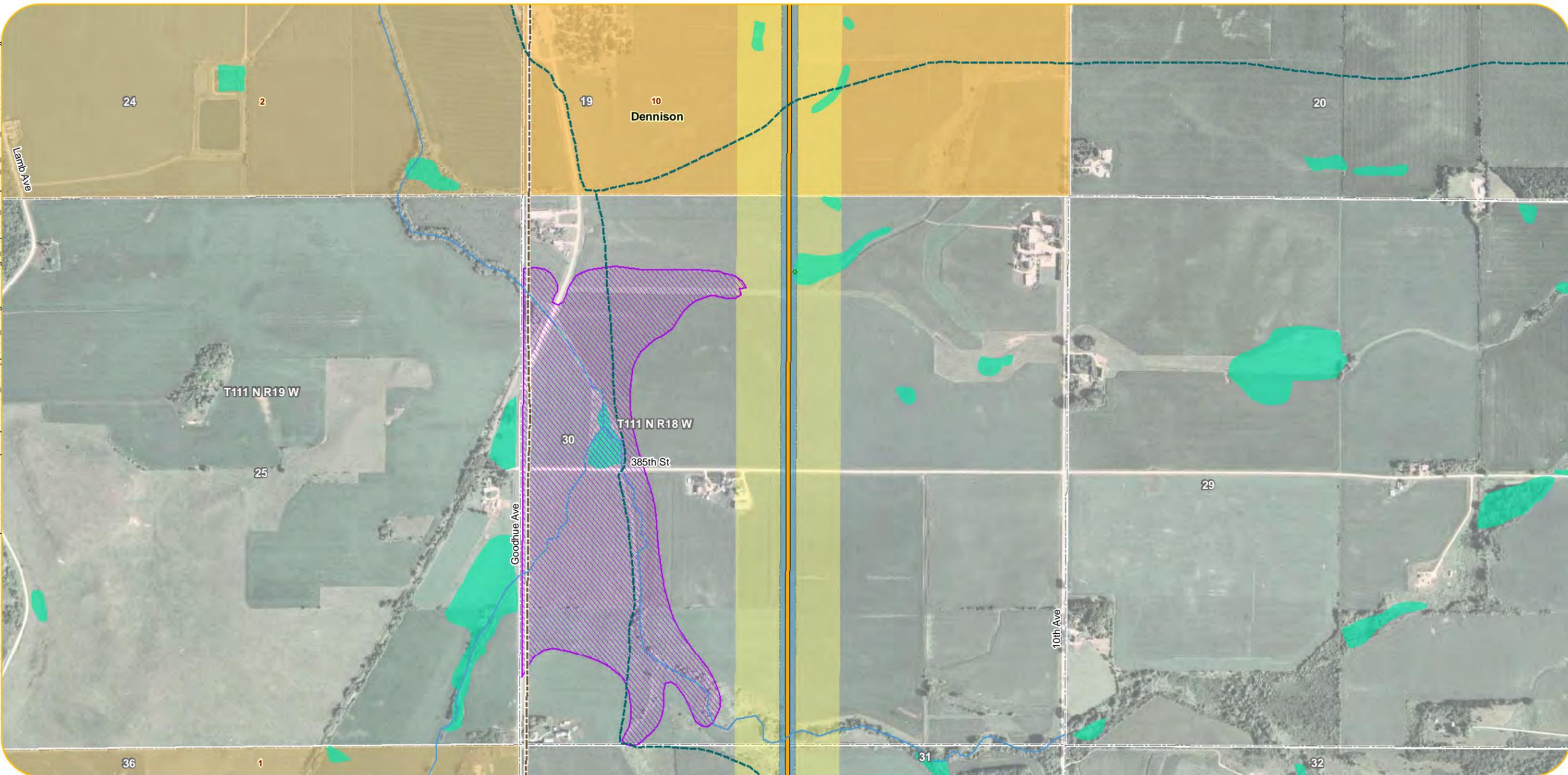


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



Appendix A - Sheet NR32
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation





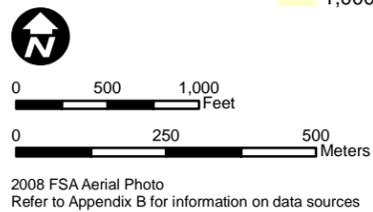
- Original Alignments
- P Route
- A Route
- Additional Alternative Routes
- Variation on P Route
- Variation on A Route
- Variation on Both
- 150-foot ROW
- 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological

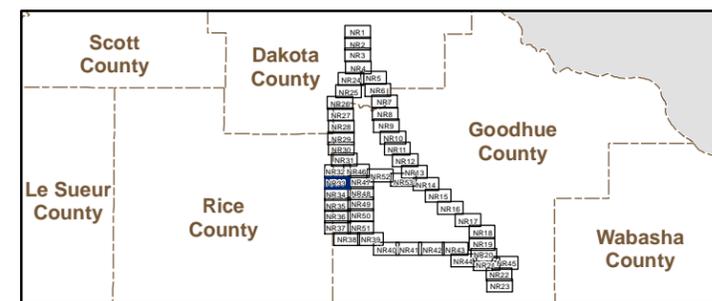
- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

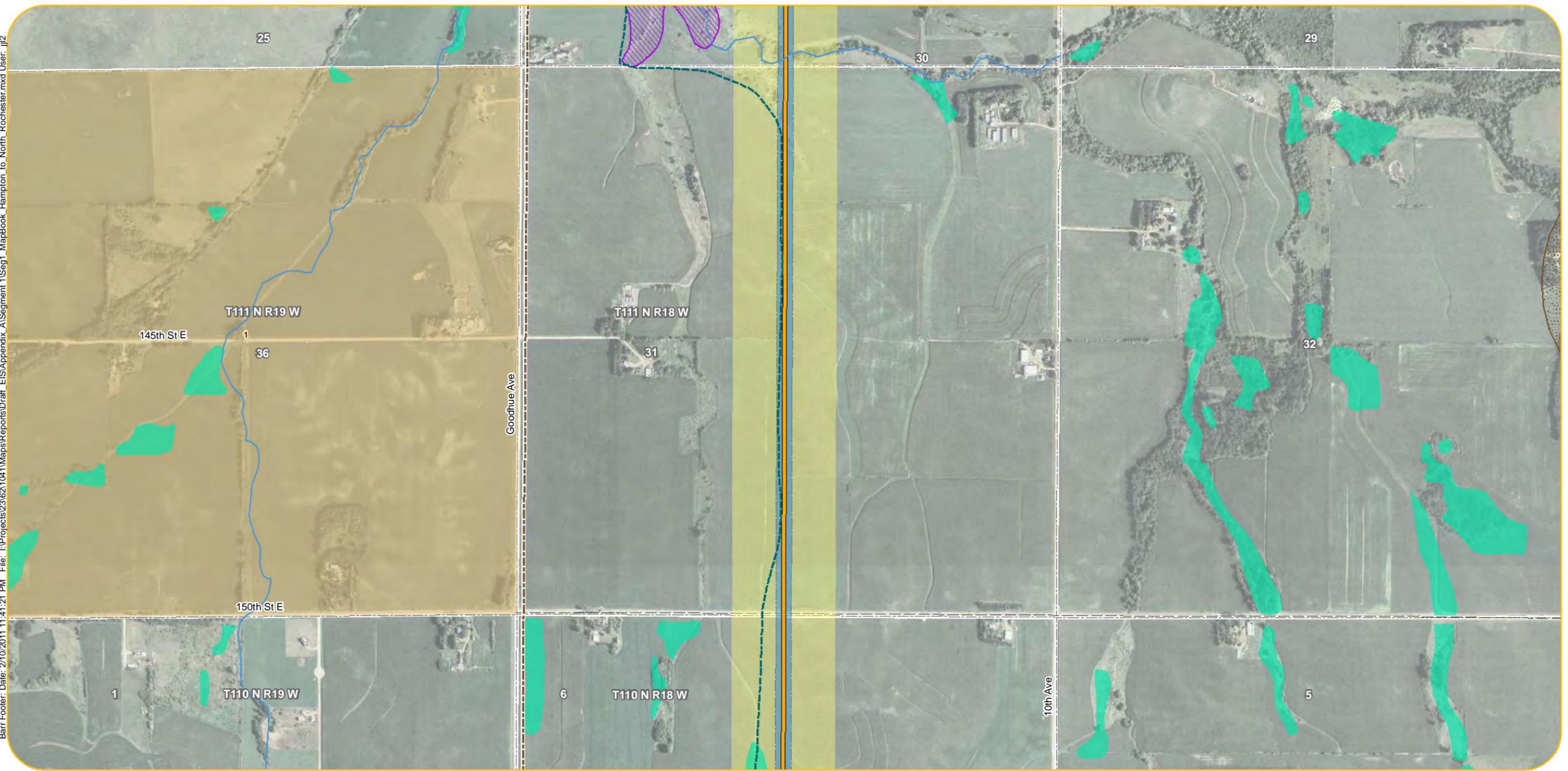
- Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 1.0
- 1.1 - 2.0
- 2.1 - 3.0
- 3.1 - 6.1
- Archaeological Sites
- 1 - 2
- 3 - 4
- 5 - 6
- Historical Sites
- 1 - 5
- 6 - 20
- 21 - 164



Appendix A - Sheet NR33
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

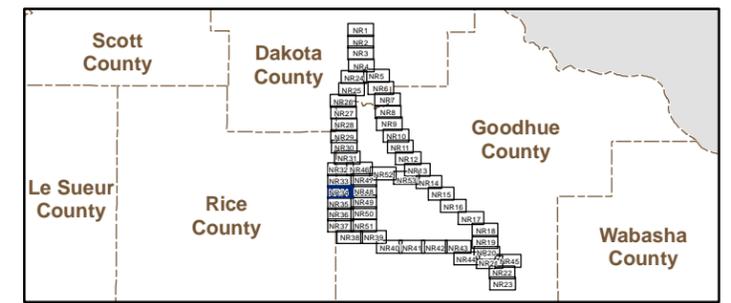


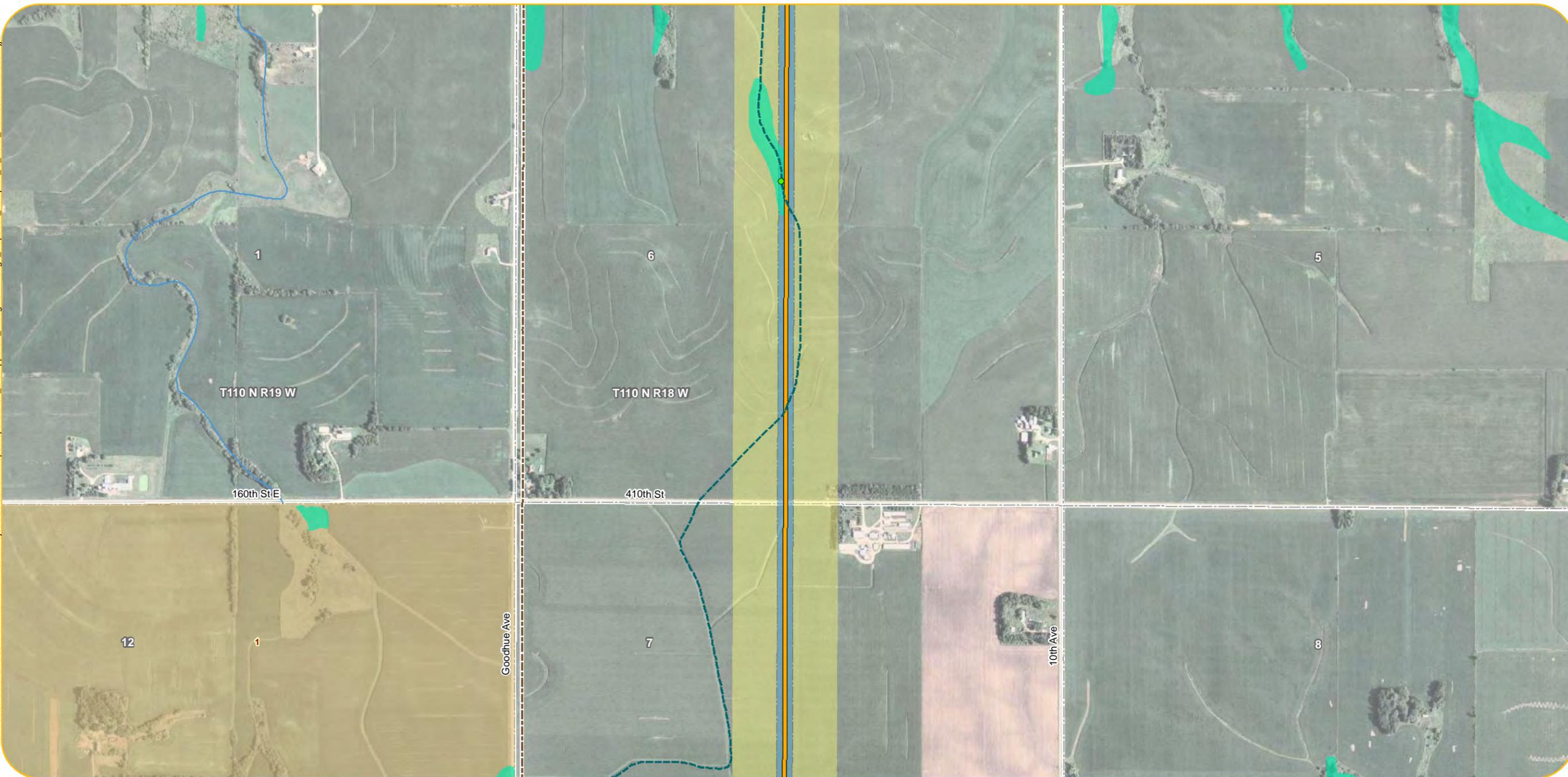
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |

Appendix A - Sheet NR34
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation





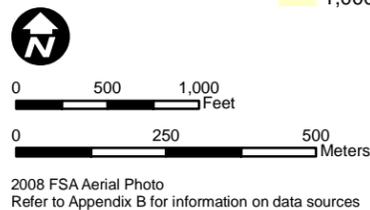
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- P Route
- A Route
- Additional Alternative Routes
- Variation on P Route
- Variation on A Route
- Variation on Both
- 150-foot ROW
- 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological

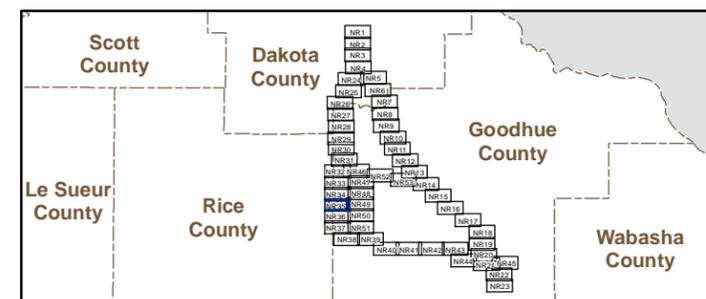
- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

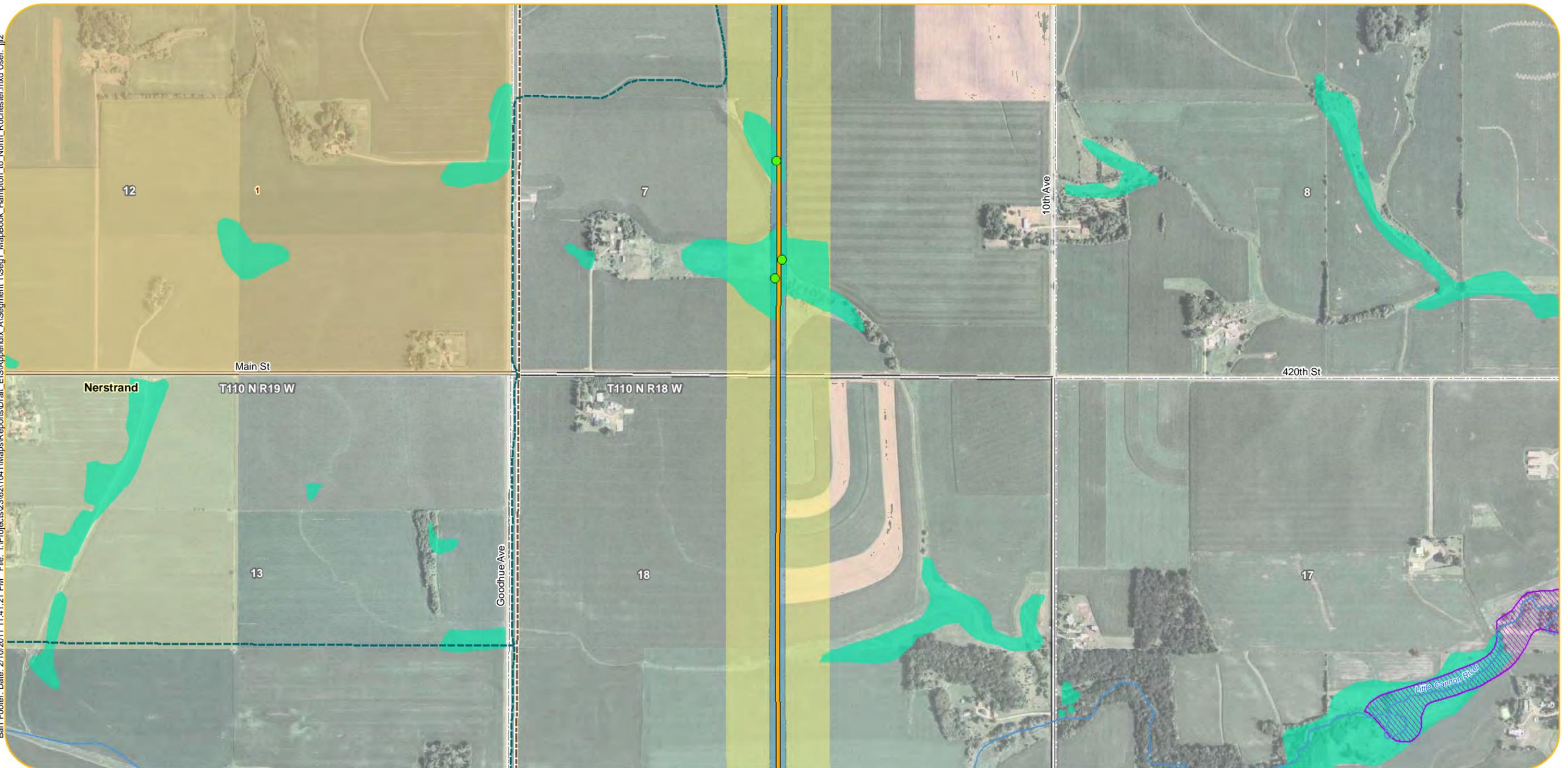
- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

- Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 1.0
- 1.1 - 2.0
- 2.1 - 3.0
- 3.1 - 6.1
- Archaeological Sites
- 1 - 2
- 3 - 4
- 5 - 6
- Historical Sites
- 1 - 5
- 6 - 20
- 21 - 164



Appendix A - Sheet NR35
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation





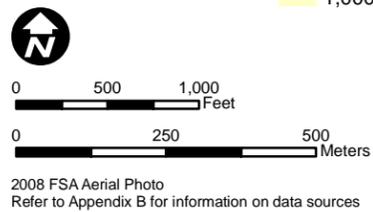
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- P Route
- A Route
- Additional Alternative Routes
- Variation on P Route
- Variation on A Route
- Variation on Both
- 150-foot ROW
- 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological

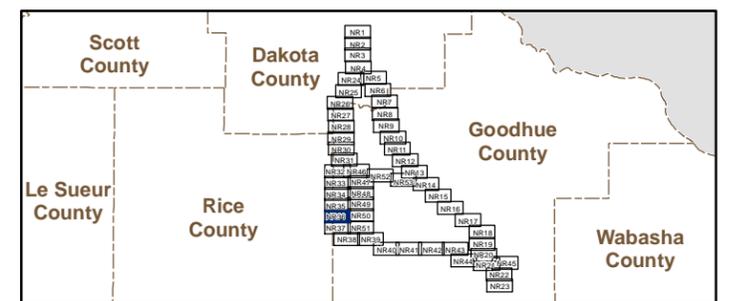
- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

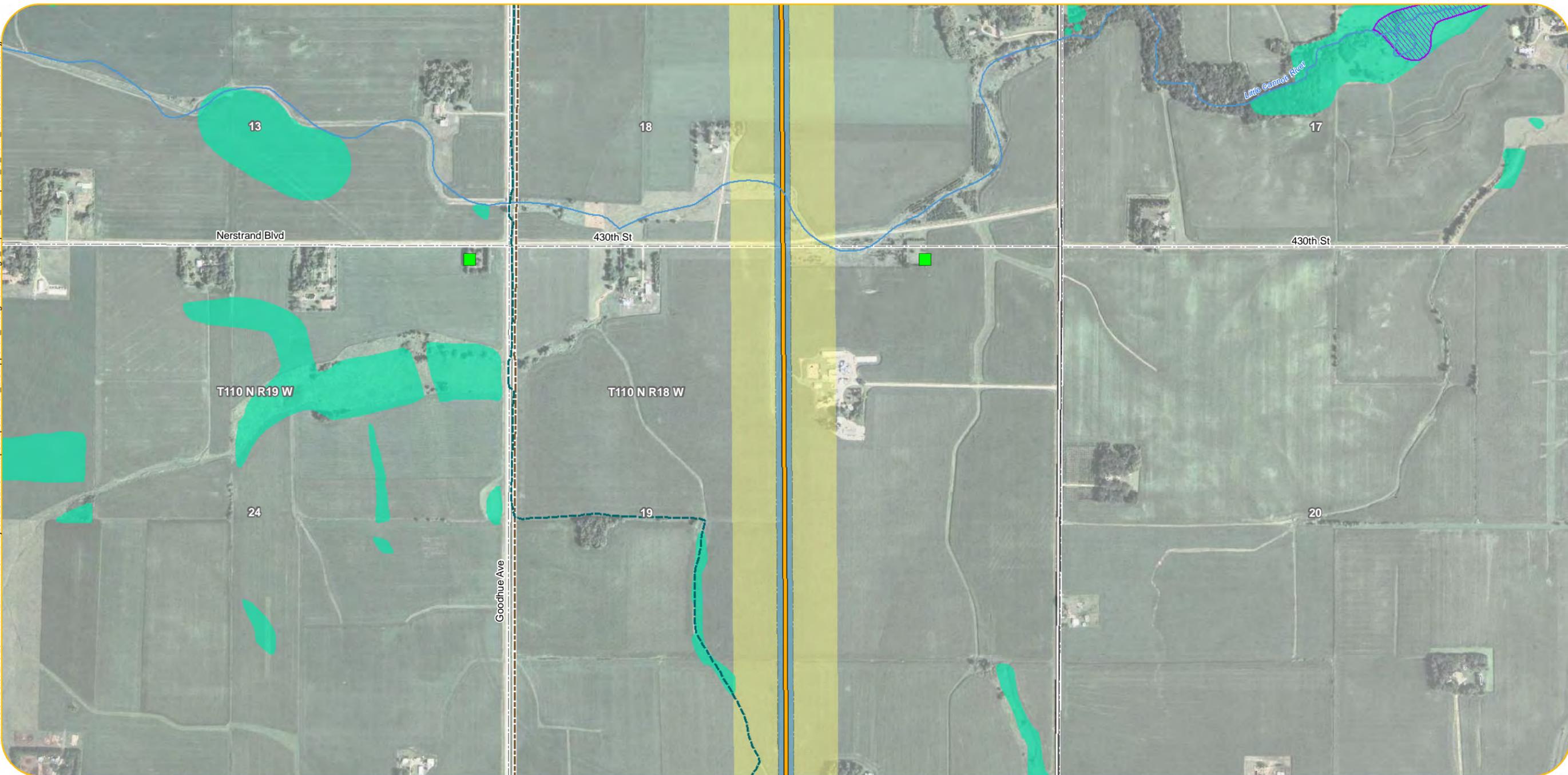
- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

- Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 1.0
- 1.1 - 2.0
- 2.1 - 3.0
- 3.1 - 6.1
- Archaeological Sites
- 1 - 2
- 3 - 4
- 5 - 6
- Historical Sites
- 1 - 5
- 6 - 20
- 21 - 164

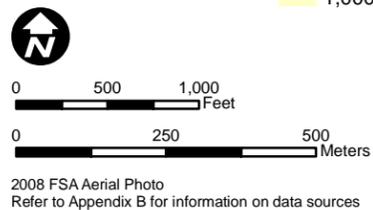


Appendix A - Sheet NR36
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

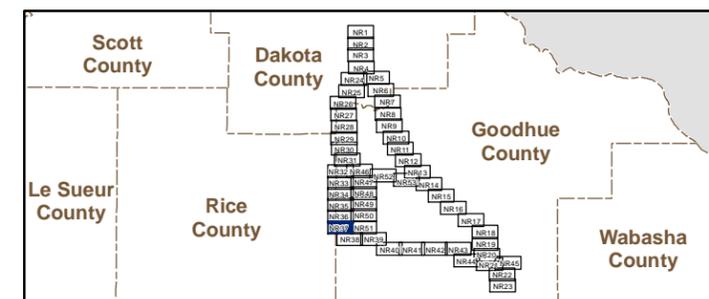


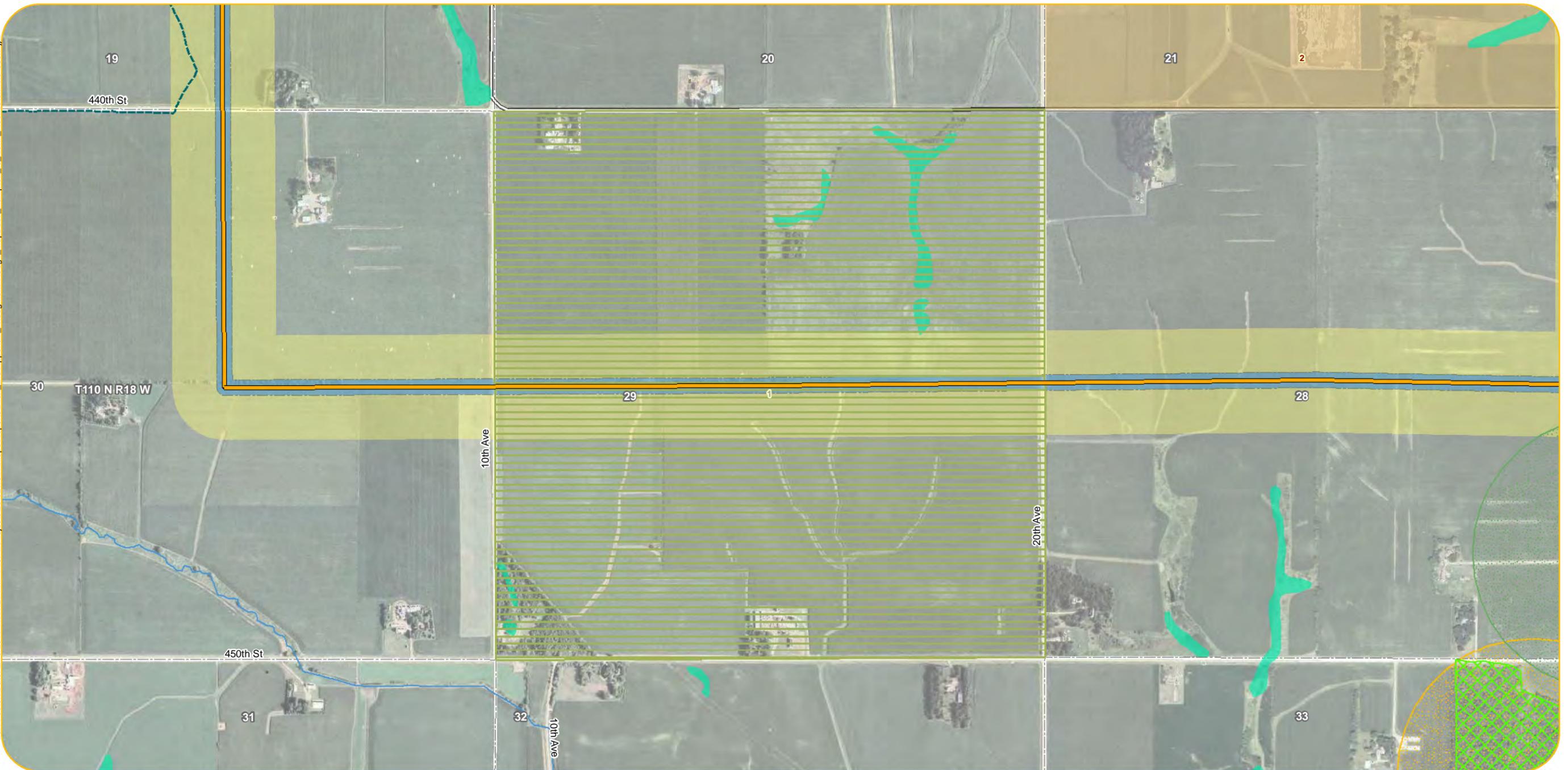


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |

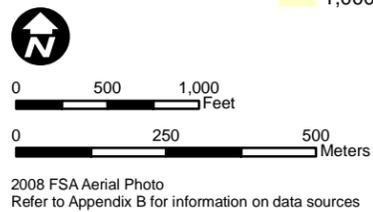


Appendix A - Sheet NR37
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

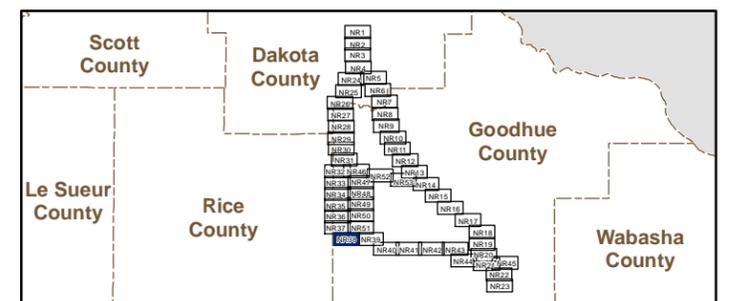


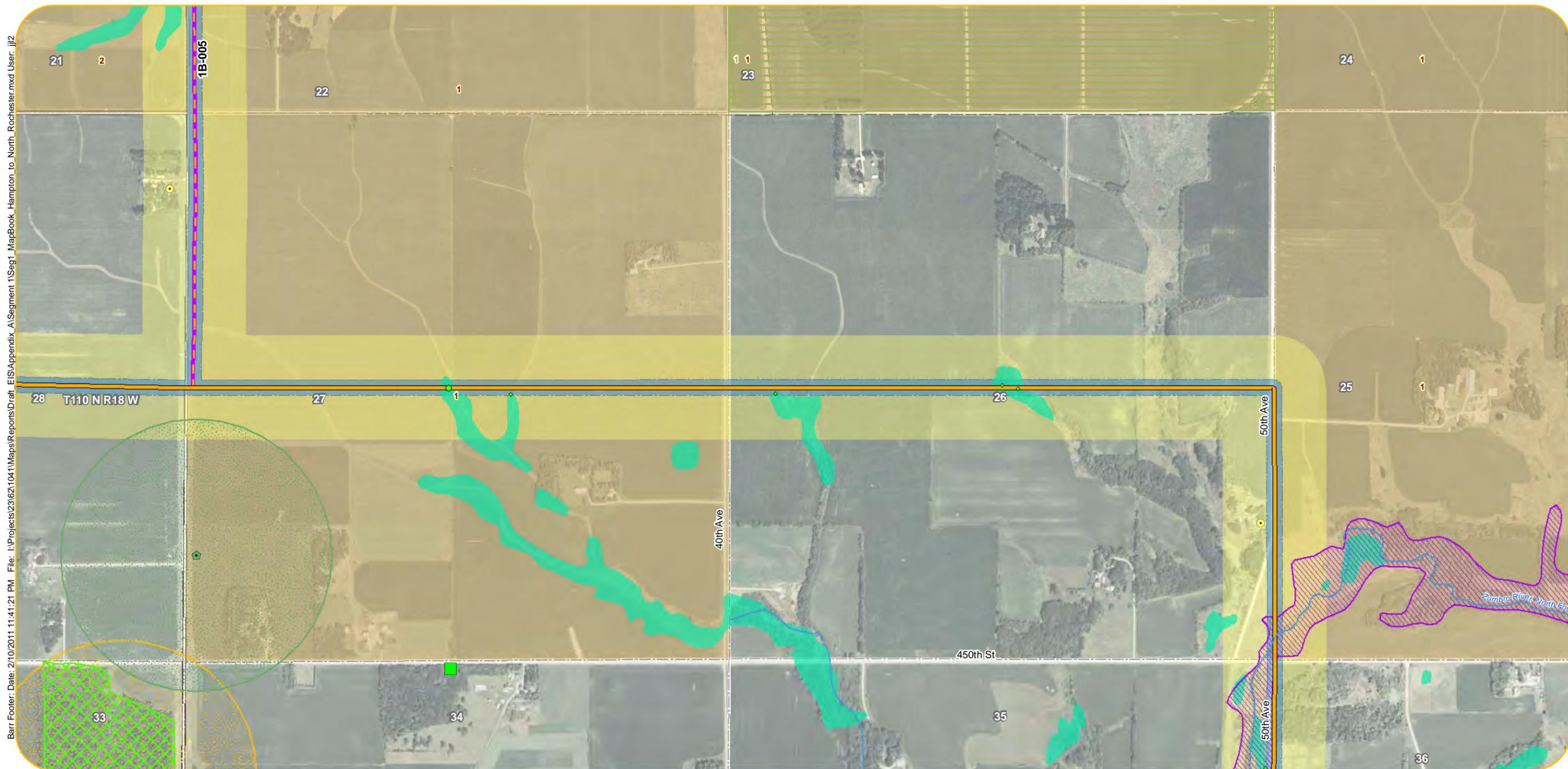


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



Appendix A - Sheet NR38
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation





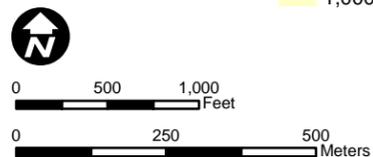
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- P Route
- A Route
- Additional Alternative Routes
- Variation on P Route
- Variation on A Route
- Variation on Both
- 150-foot ROW
- 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage
 - Botanical
 - Ecological
 - Zoological

- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
 - Moderate Significance
 - High Significance
 - Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

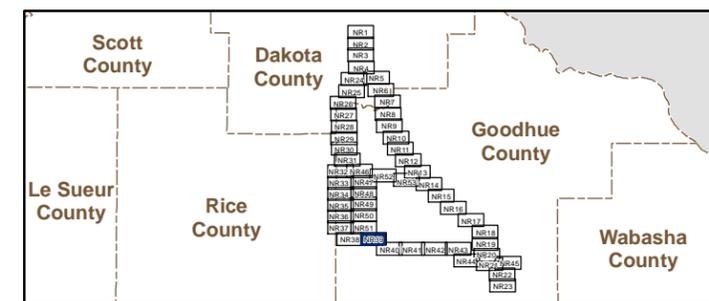
- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

- Wetland Area (acres) within 150-foot ROW
 - 0.0 - 0.5
 - 0.6 - 1.0
 - 1.1 - 2.0
 - 2.1 - 3.0
 - 3.1 - 6.1
- Archaeological Sites
 - 1 - 2
 - 3 - 4
 - 5 - 6
- Historical Sites
 - 1 - 5
 - 6 - 20
 - 21 - 164

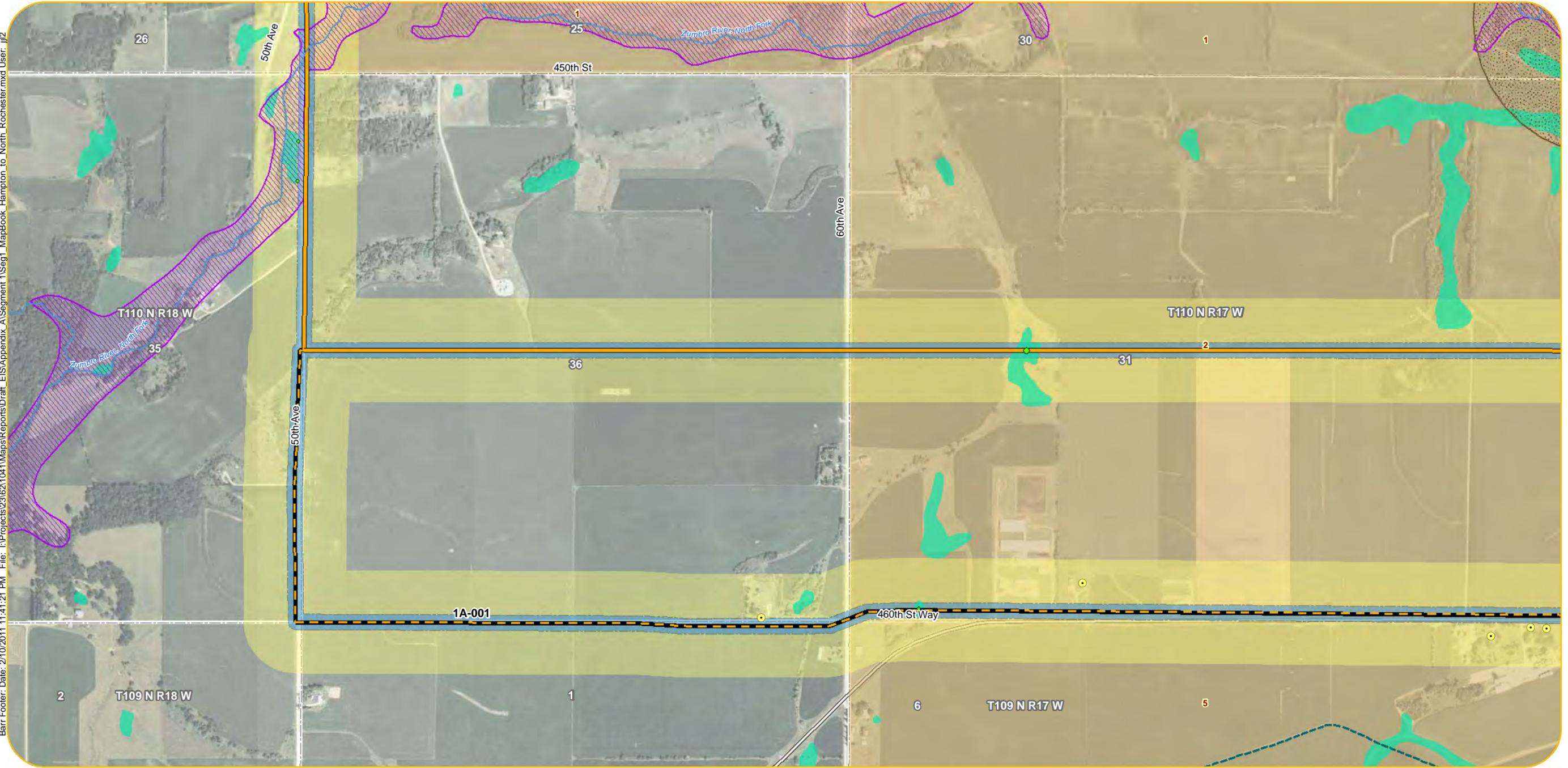


2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

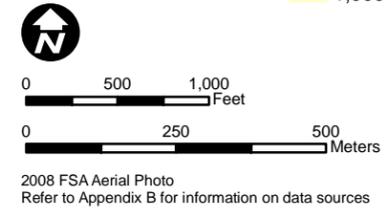
Appendix A - Sheet NR39
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



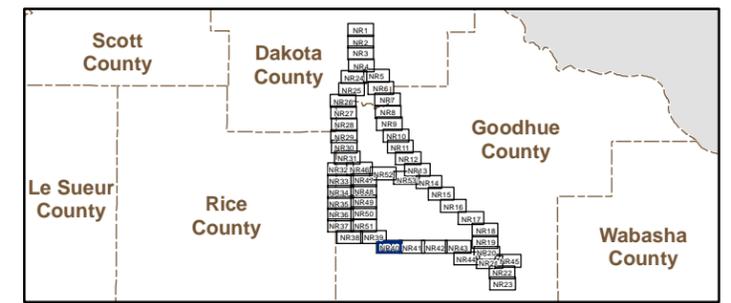
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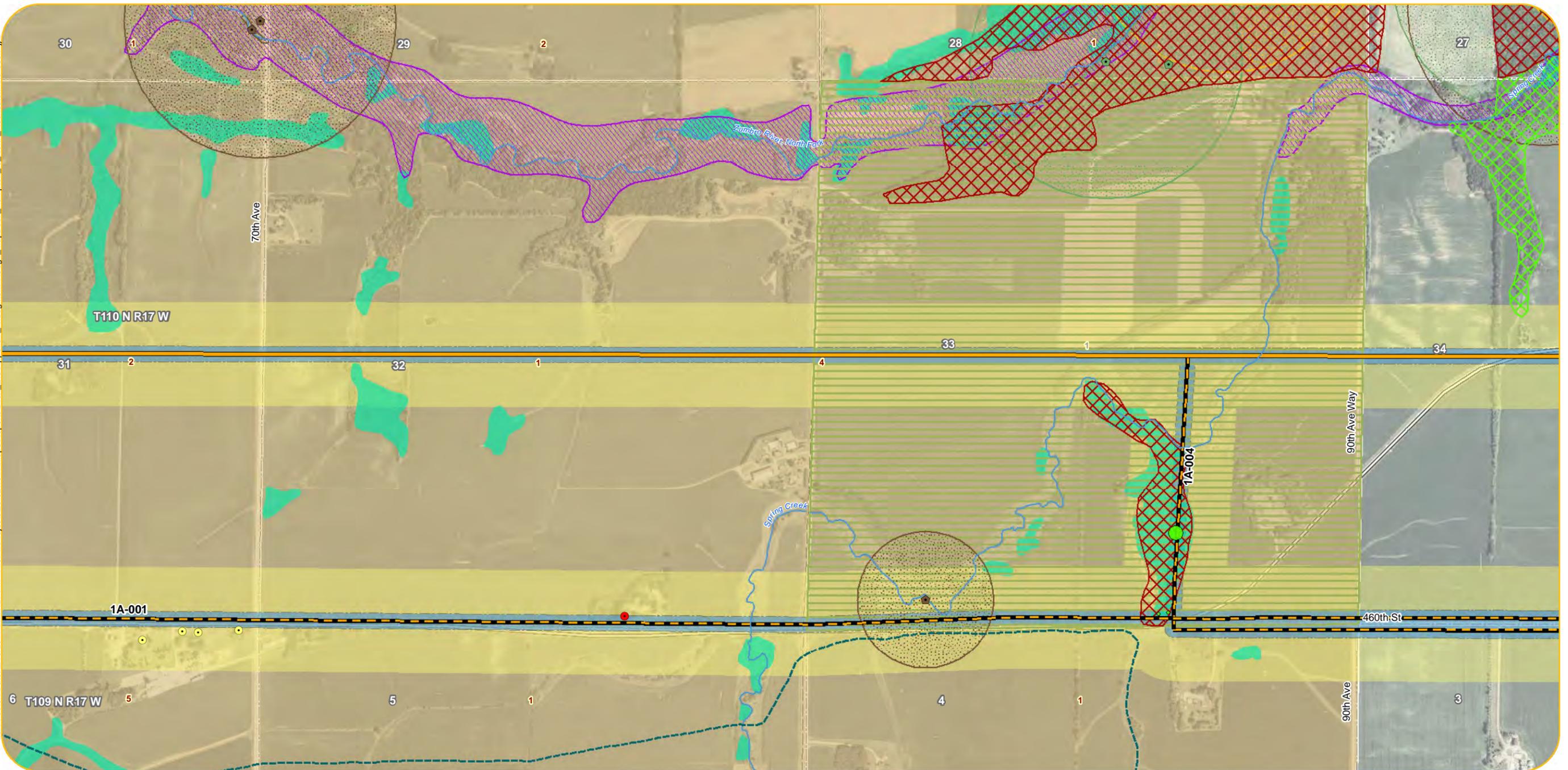


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



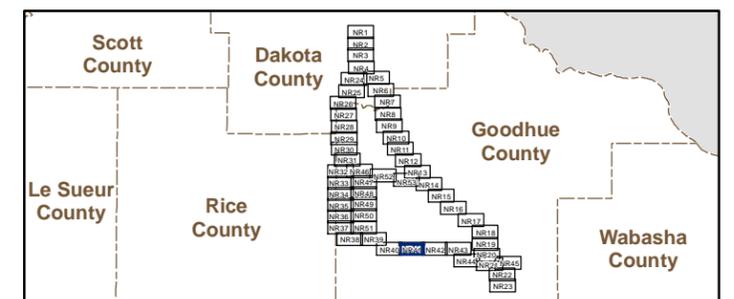
Appendix A - Sheet NR40
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



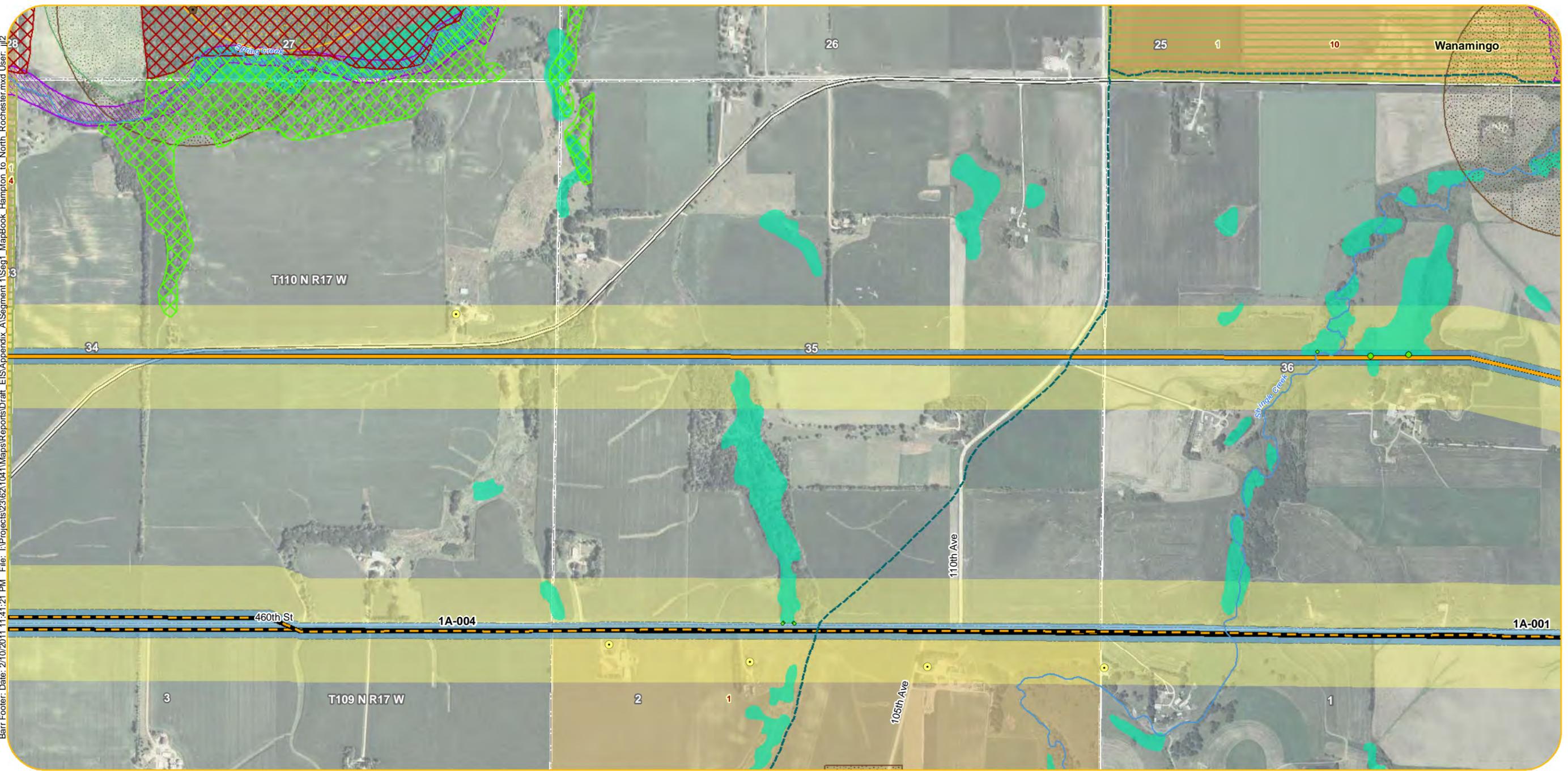


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |

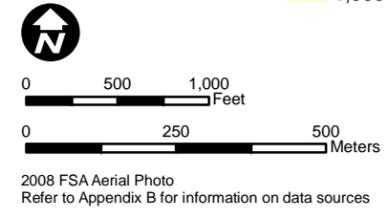
Appendix A - Sheet NR41
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



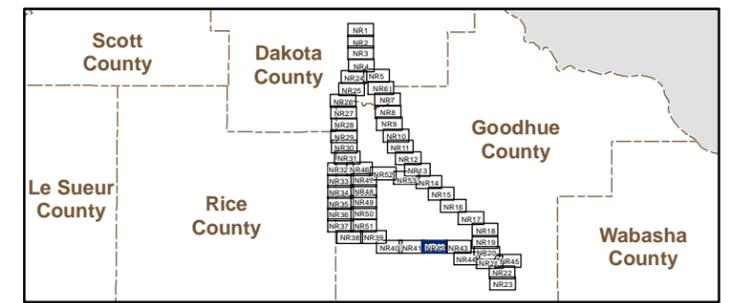
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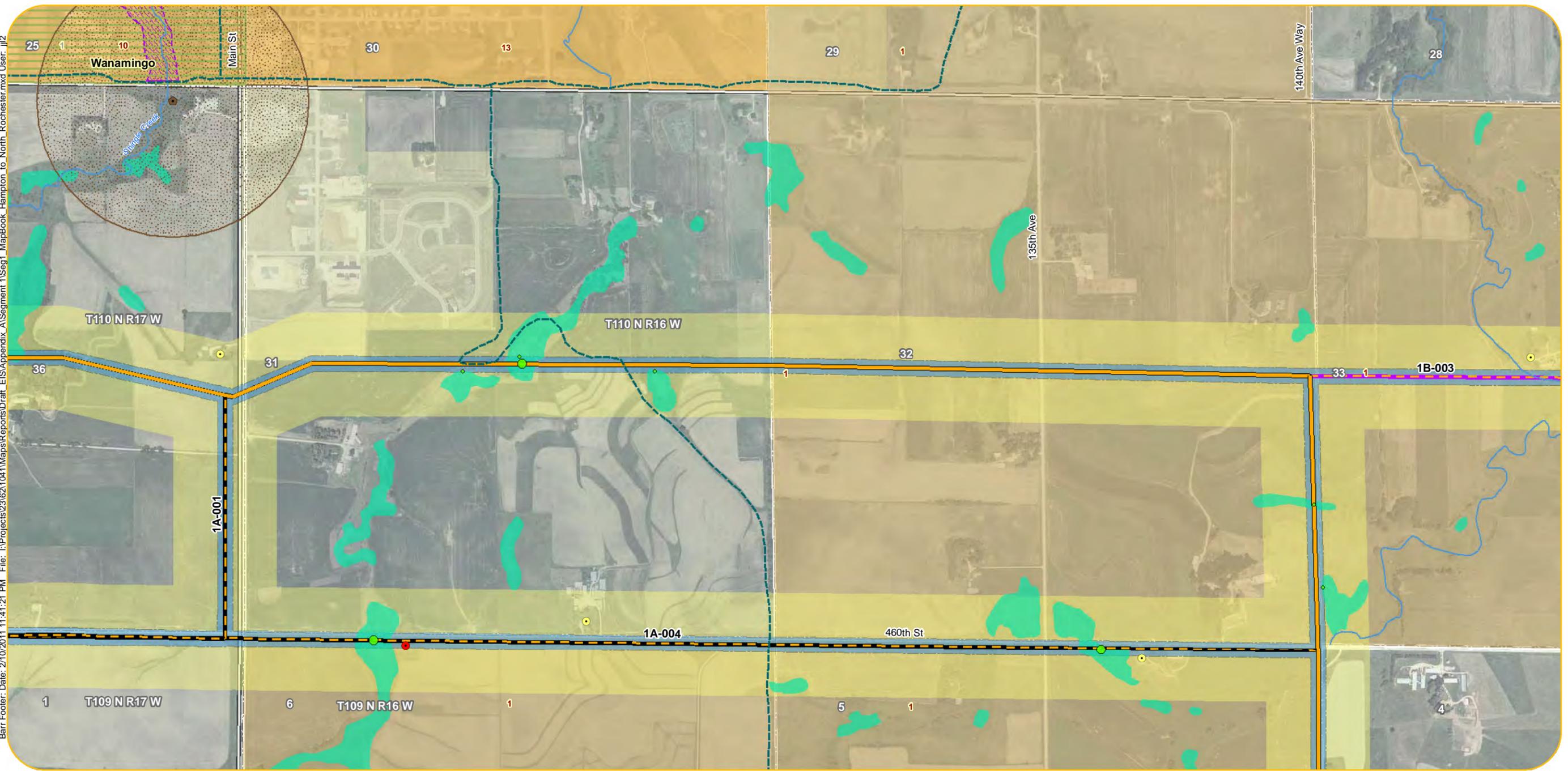
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



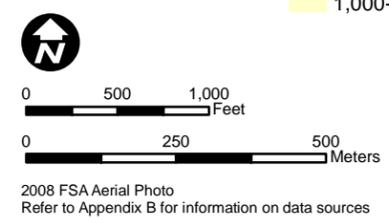
Appendix A - Sheet NR42
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



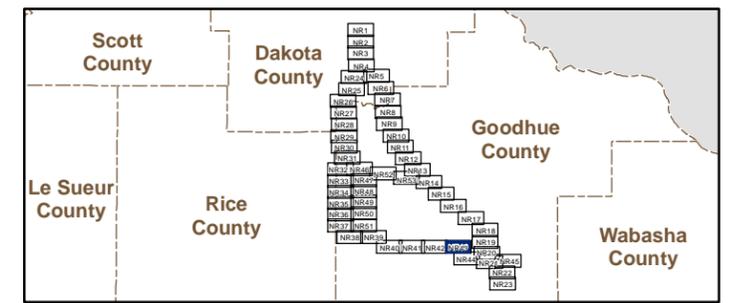
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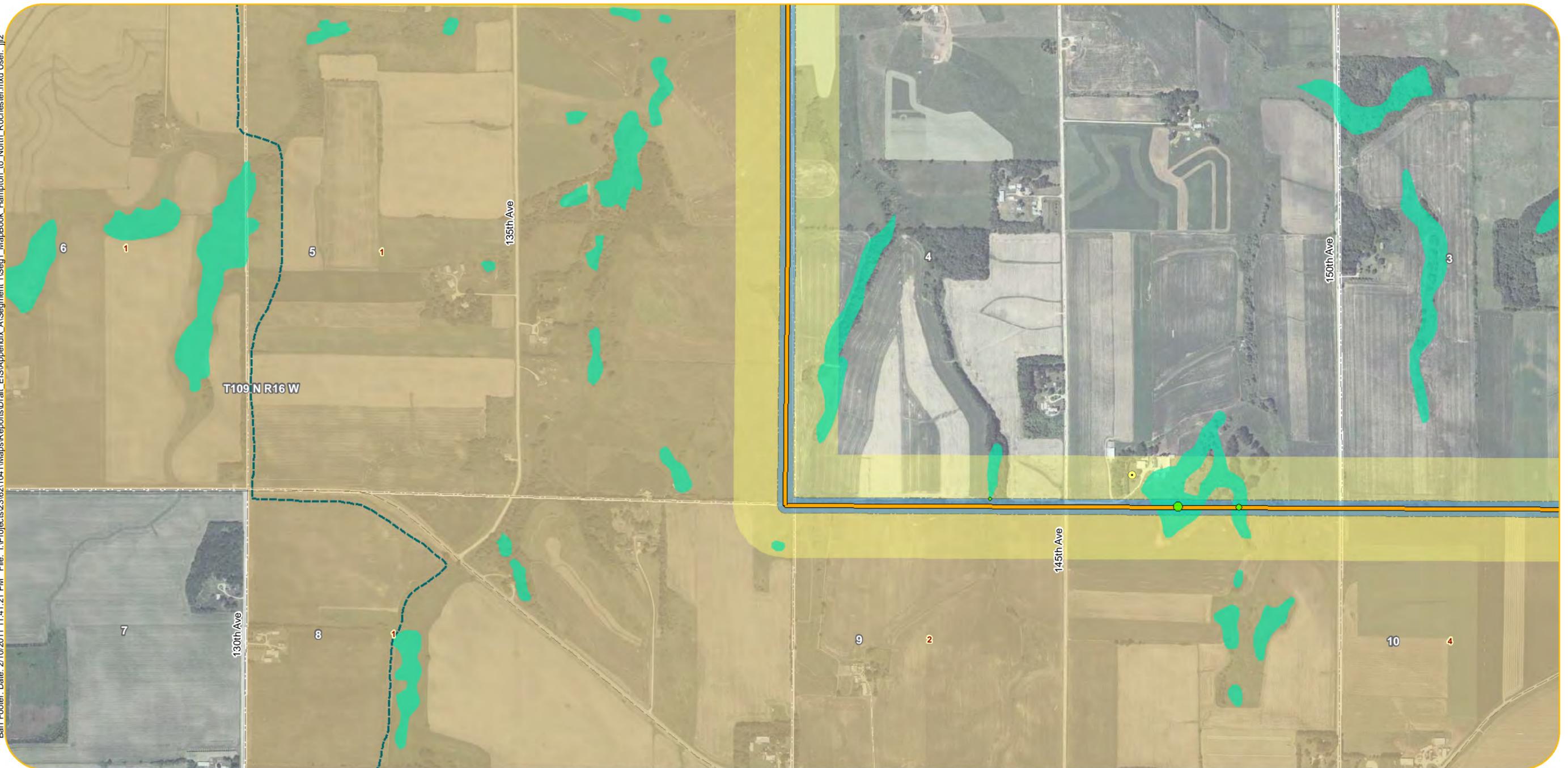


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



Appendix A - Sheet NR43
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation





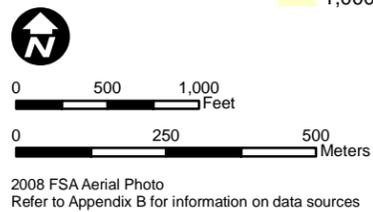
- Original Alignments
- P Route
- A Route
- Additional Alternative Routes
- Variation on P Route
- Variation on A Route
- Variation on Both
- 150-foot ROW
- 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological

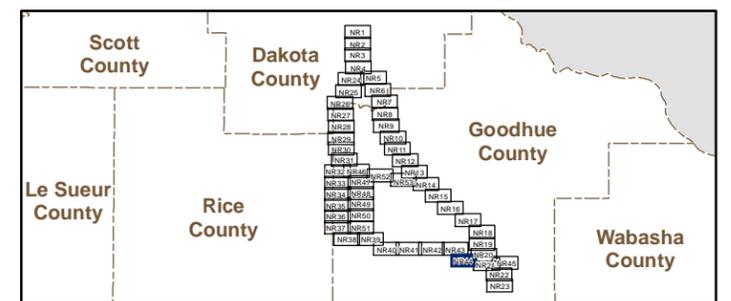
- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

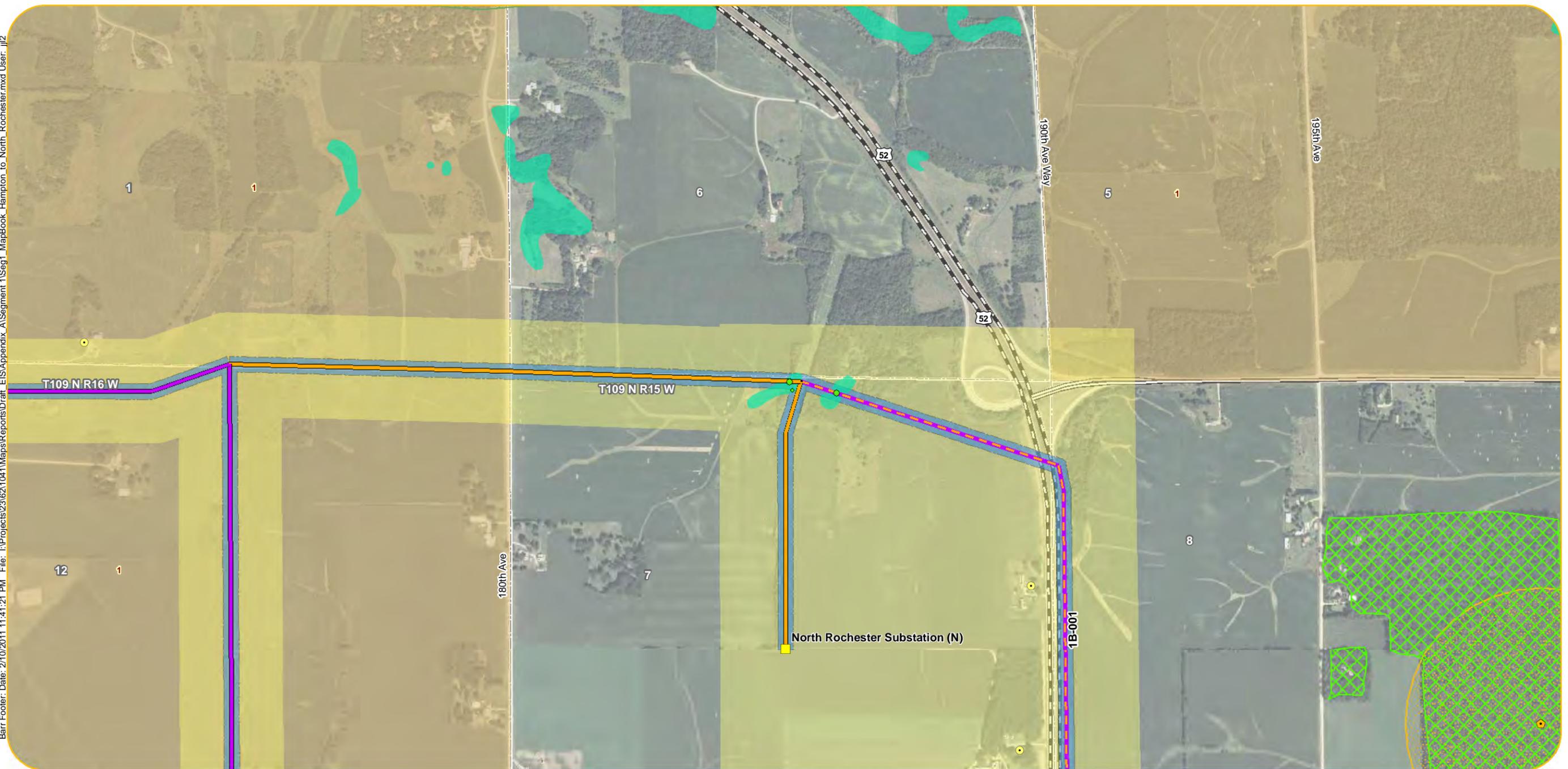
- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

- Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 1.0
- 1.1 - 2.0
- 2.1 - 3.0
- 3.1 - 6.1
- Archaeological Sites
- 1 - 2
- 3 - 4
- 5 - 6
- Historical Sites
- 1 - 5
- 6 - 20
- 21 - 164



Appendix A - Sheet NR44
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation





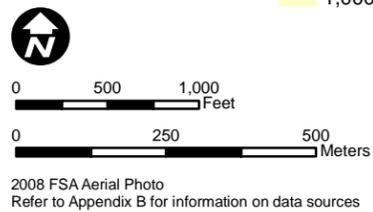
- Original Alignments**
- P Route
 - A Route
 - Additional Alternative Routes**
 - Variation on P Route
 - Variation on A Route
 - Variation on Both
 - 150-foot ROW
 - 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage**
- Botanical
- Ecological
- Zoological

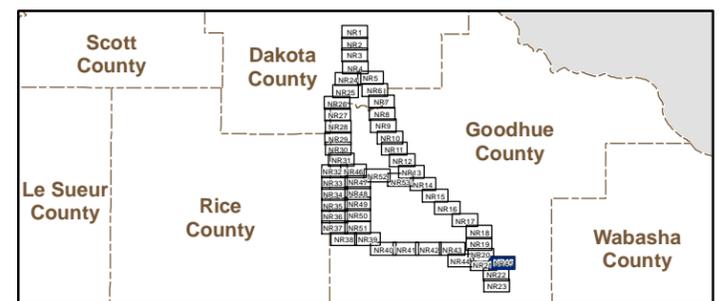
- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance**
- Moderate Significance
- High Significance
- Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

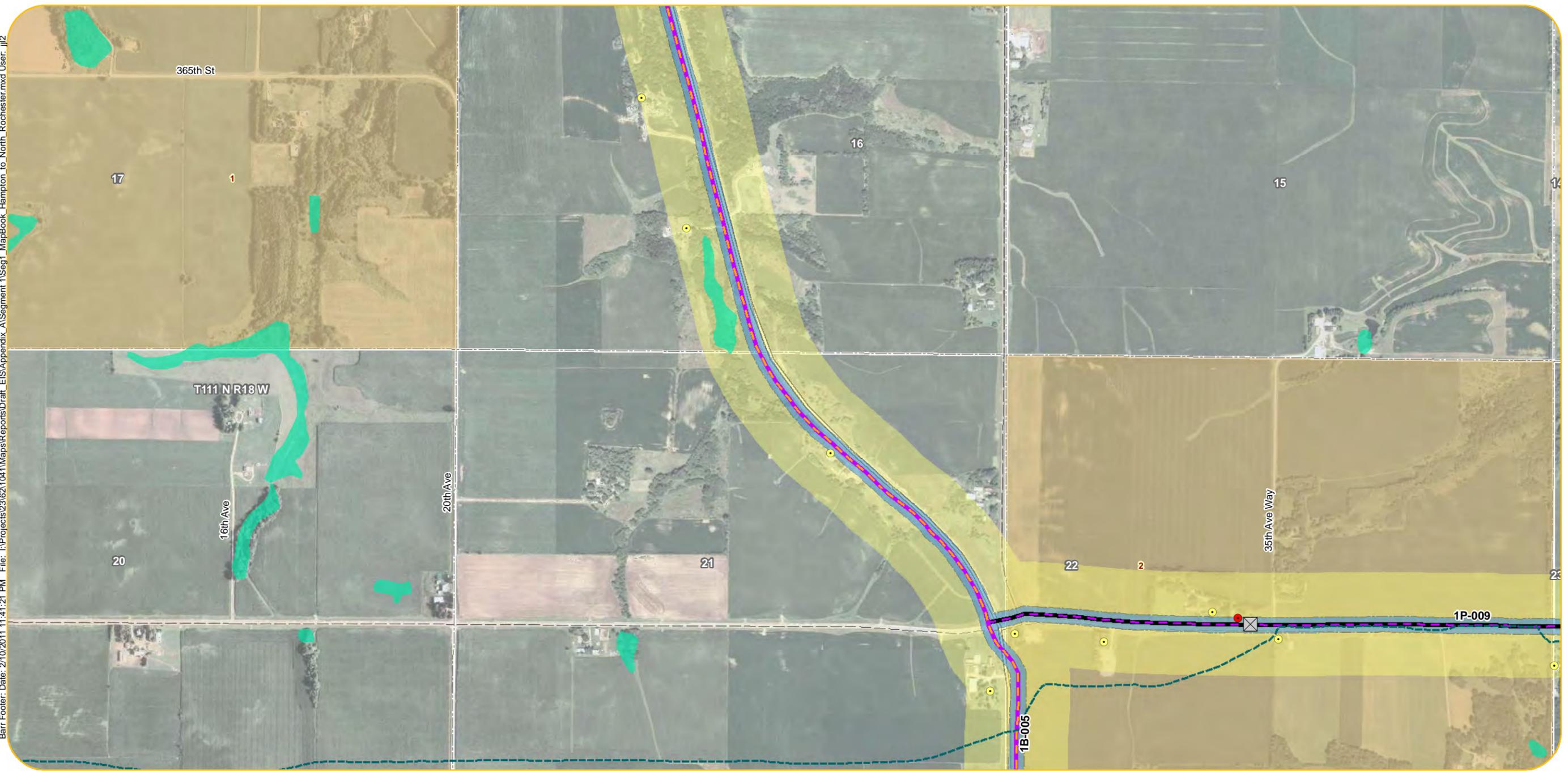
- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

- Wetland Area (acres) within 150-foot ROW**
- 0.0 - 0.5
 - 0.6 - 1.0
 - 1.1 - 2.0
 - 2.1 - 3.0
 - 3.1 - 6.1
- Archaeological Sites**
- 1 - 2
 - 3 - 4
 - 5 - 6
- Historical Sites**
- 4 1 - 5
 - 28 6 - 20
 - 58 21 - 164

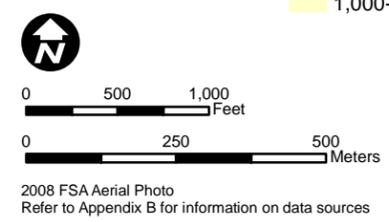


Appendix A - Sheet NR45
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

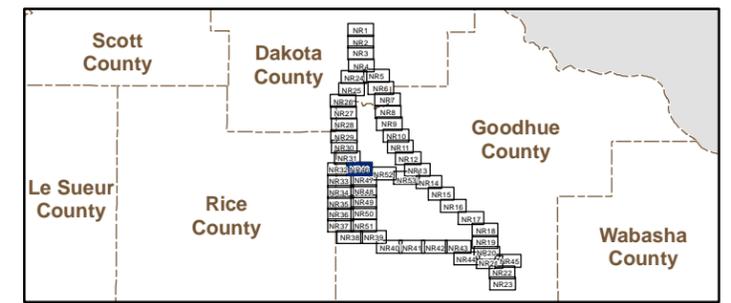




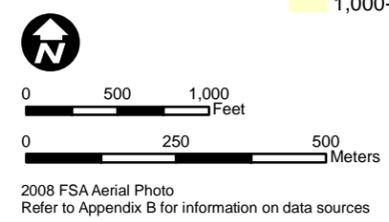
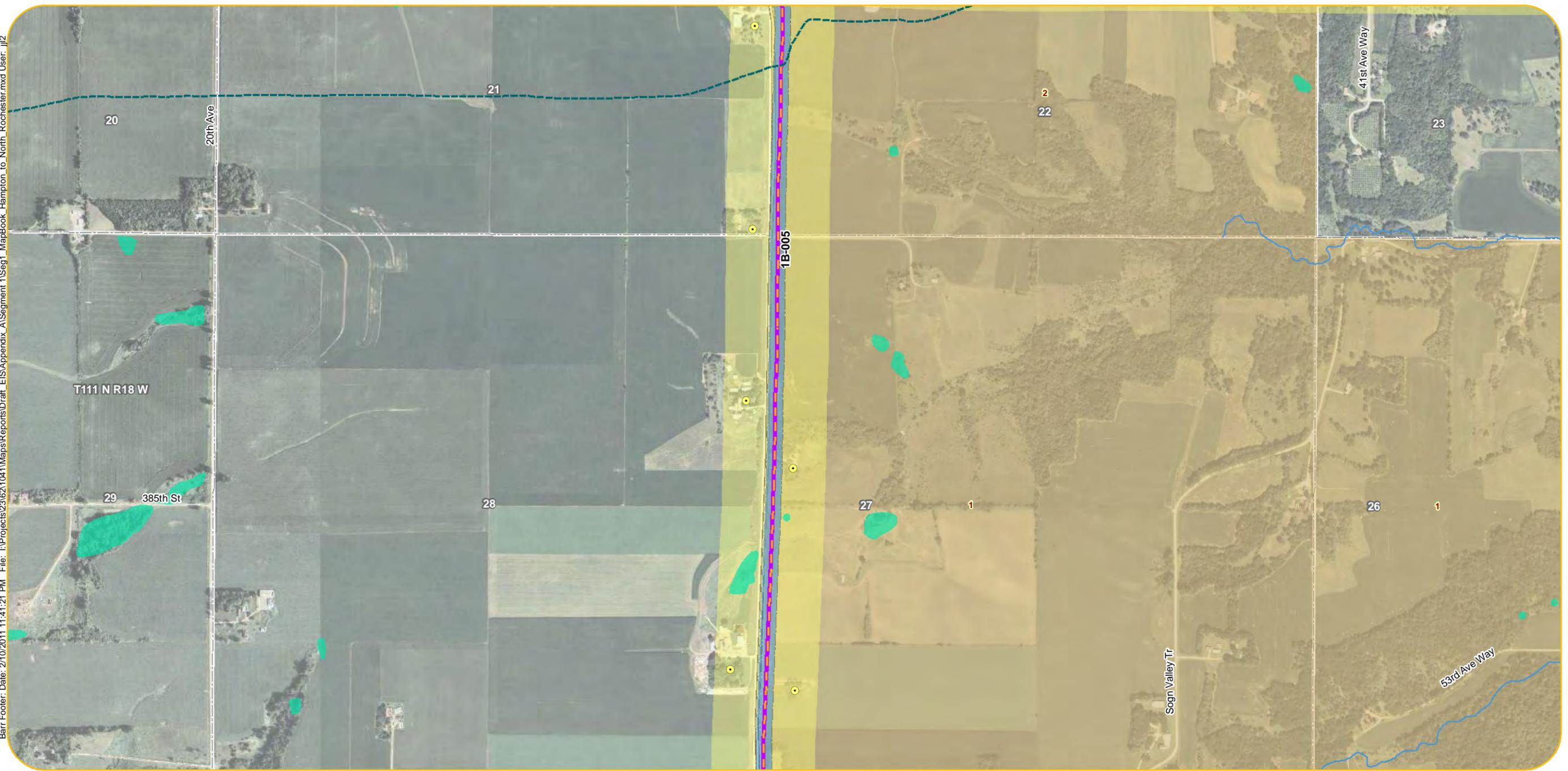
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



Appendix A - Sheet NR46
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

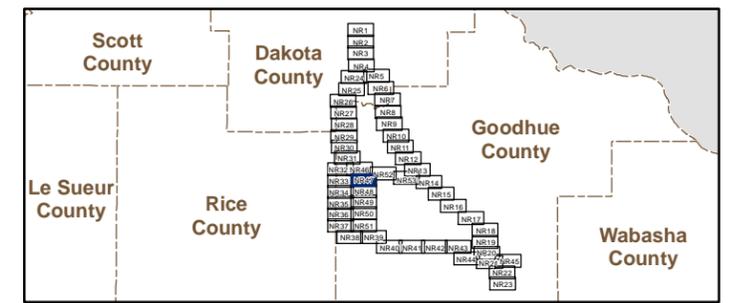


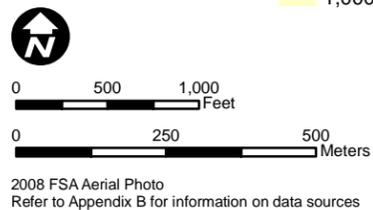
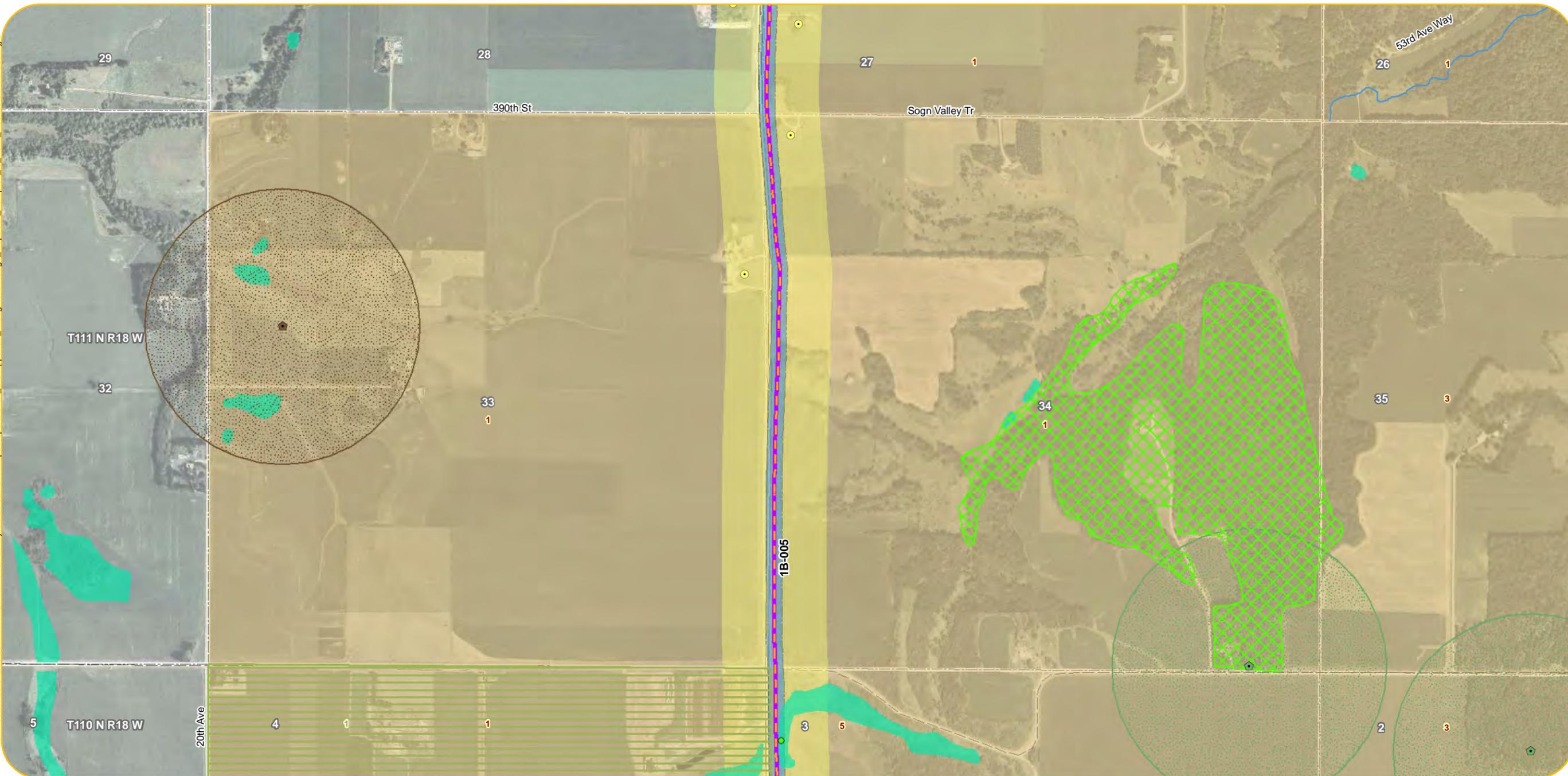
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |

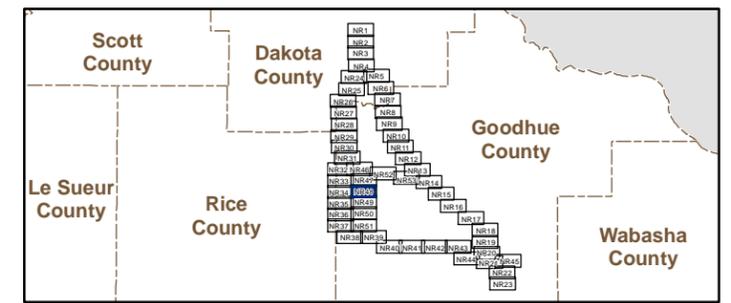
Appendix A - Sheet NR47
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

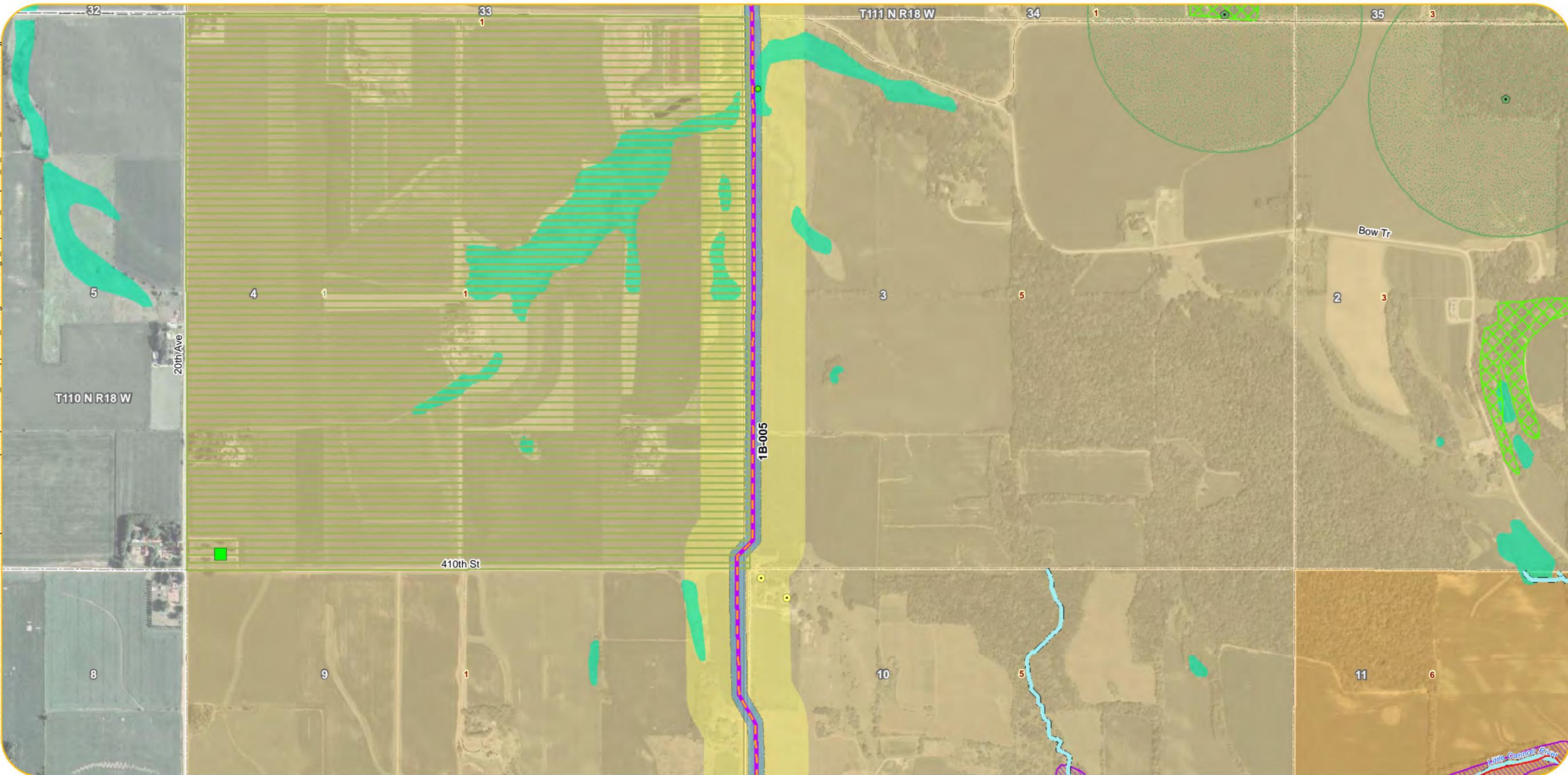




- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 28 6 - 20 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | 58 21 - 164 |
| | | Scientific and Natural Area | | |

Appendix A - Sheet NR48
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation





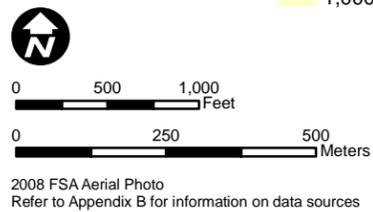
- Original Alignments
- P Route
- A Route
- Additional Alternative Routes
- Variation on P Route
- Variation on A Route
- Variation on Both
- 150-foot ROW
- 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological

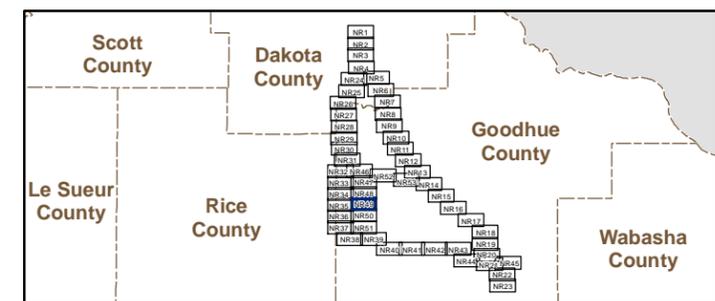
- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

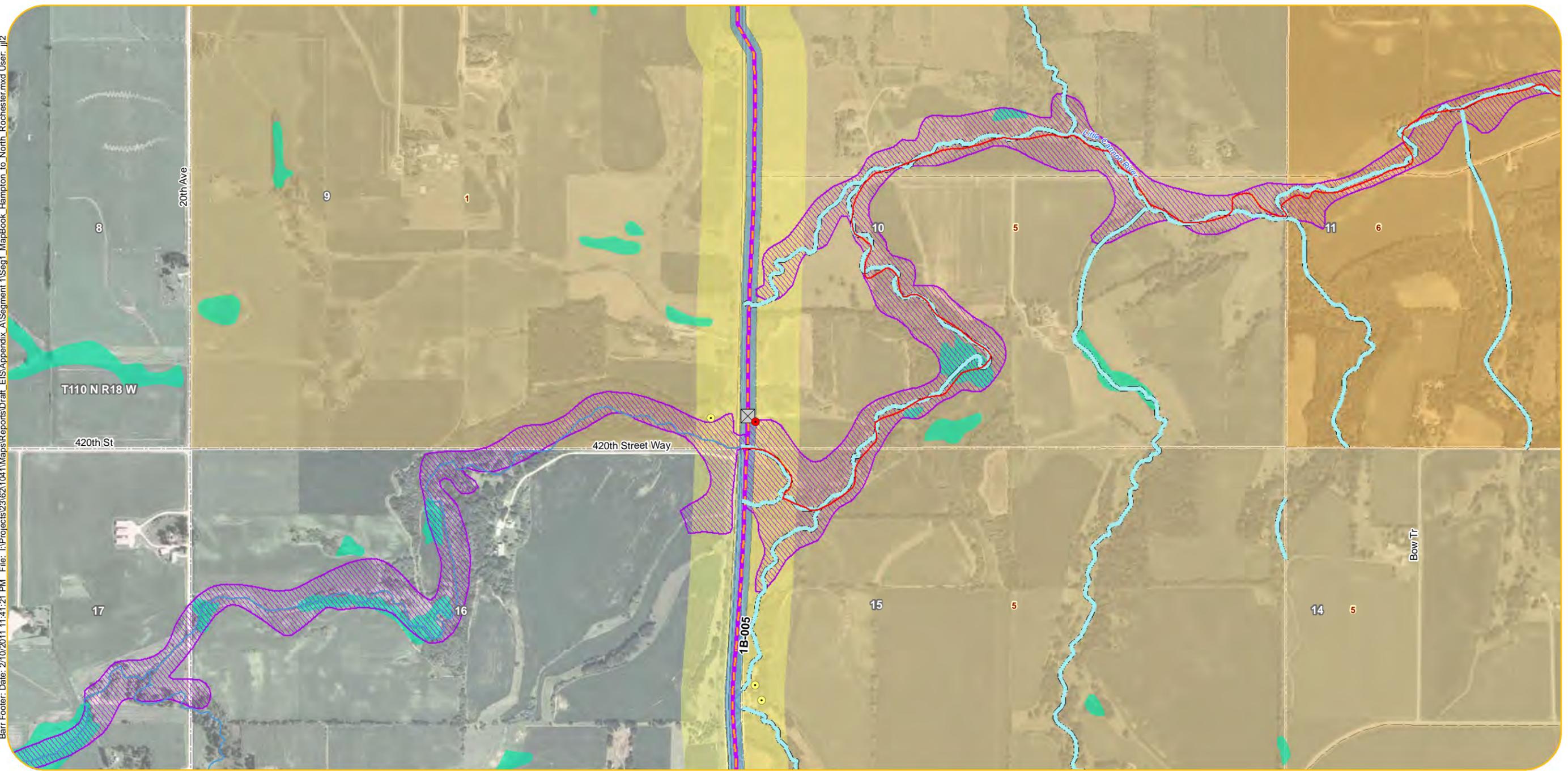
- Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 1.0
- 1.1 - 2.0
- 2.1 - 3.0
- 3.1 - 6.1
- Archaeological Sites
- 1 - 2
- 3 - 4
- 5 - 6
- Historical Sites
- 1 - 5
- 6 - 20
- 21 - 164



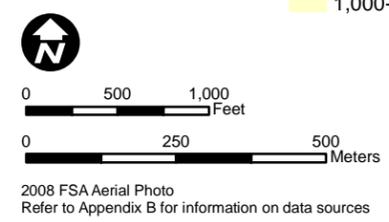
Appendix A - Sheet NR49
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



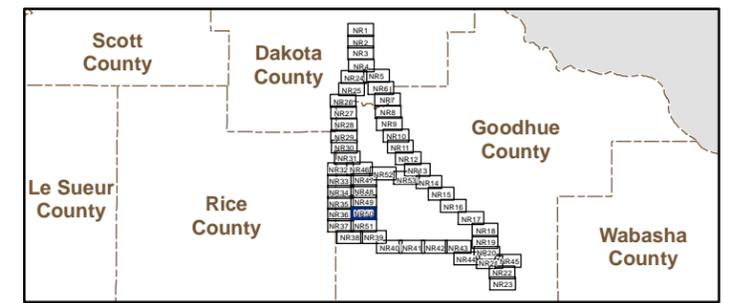
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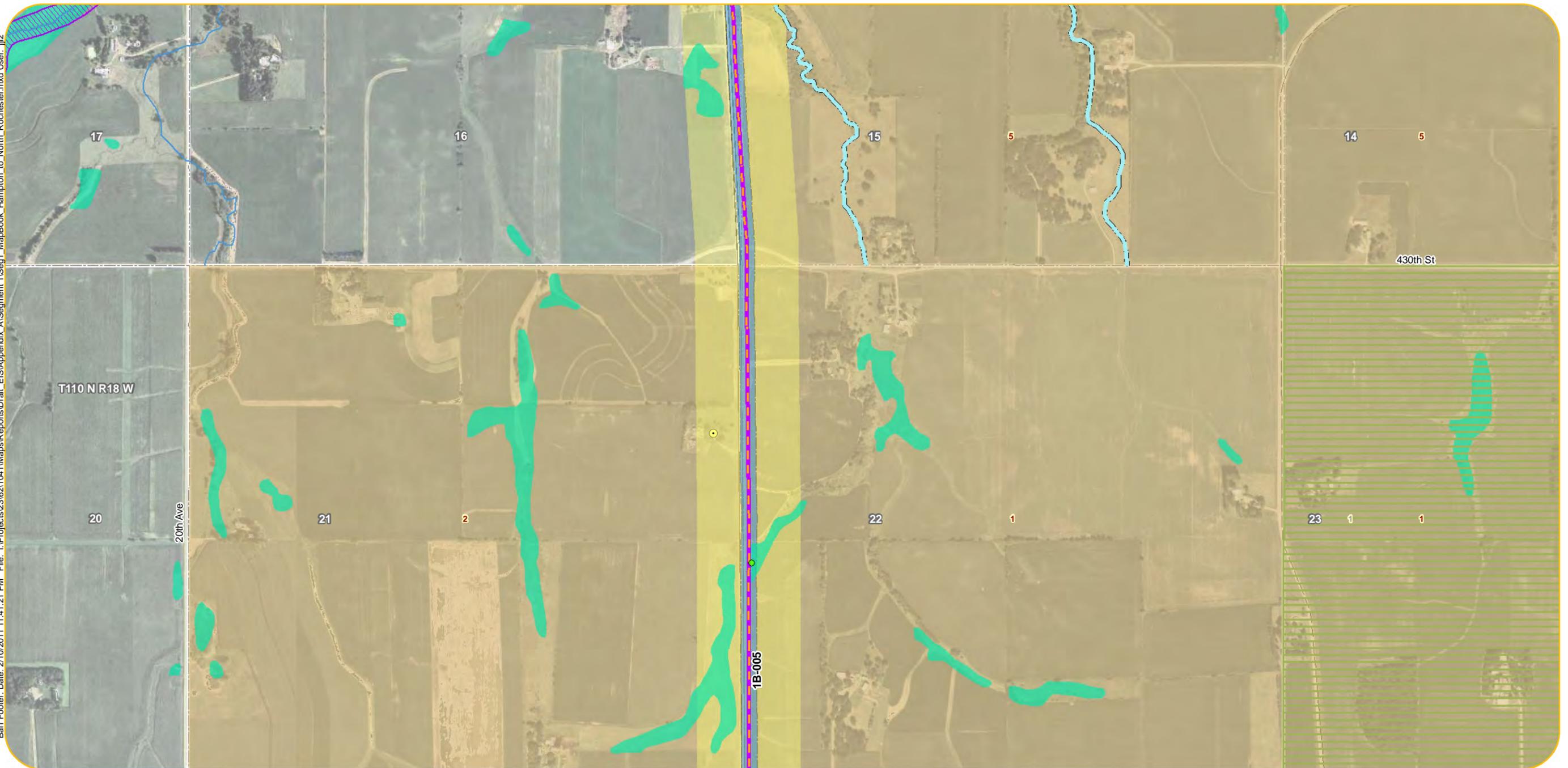
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| 150-foot ROW | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



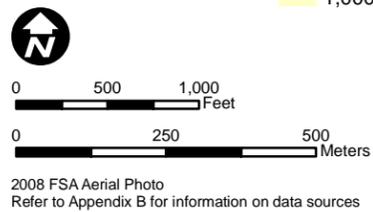
Appendix A - Sheet NR50
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



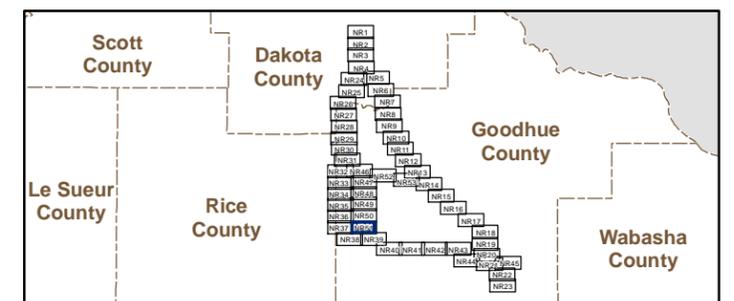
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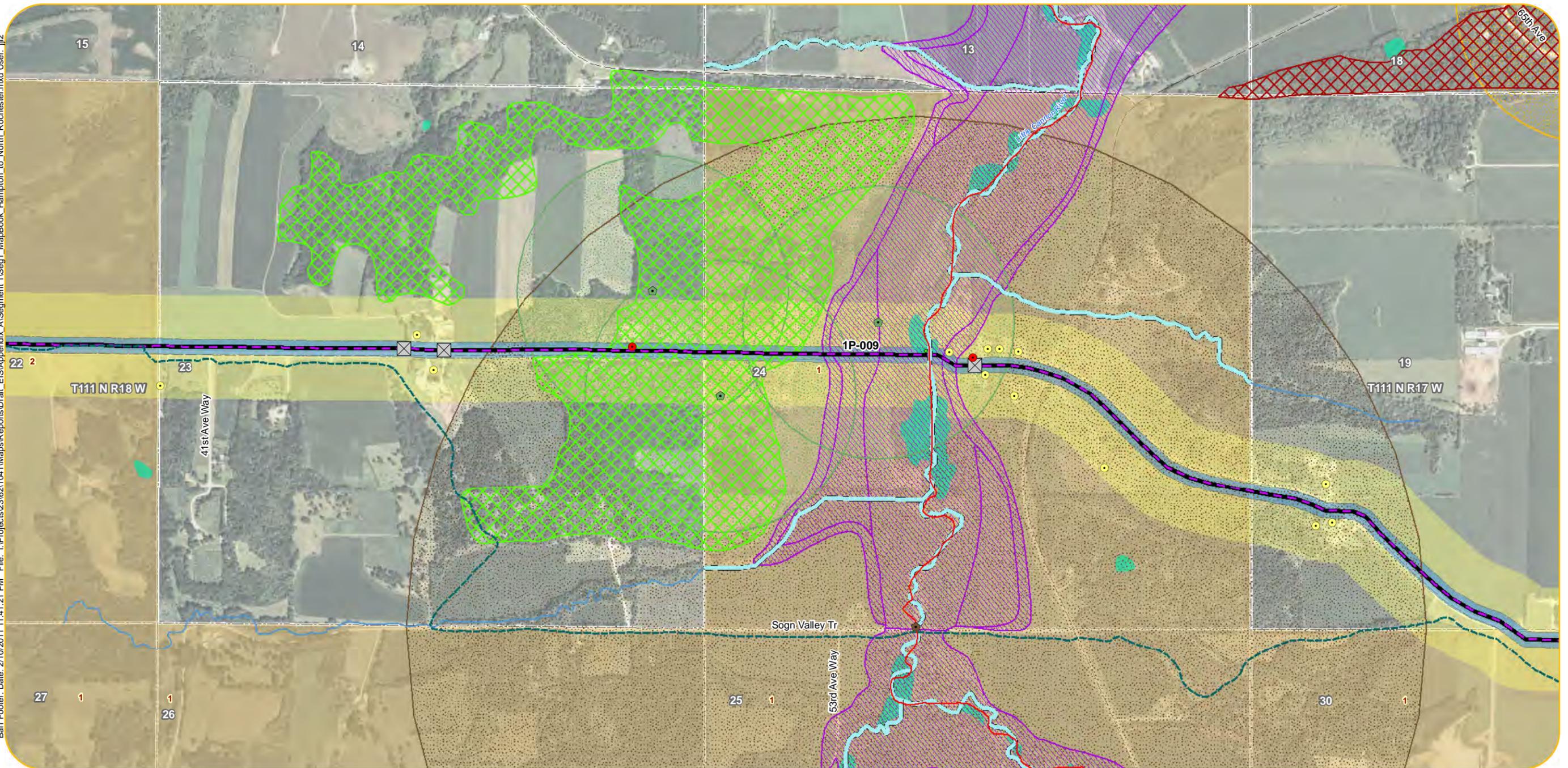


- | | | | | |
|--|--|--|---|---|
| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both 150-foot ROW 1,000-foot Route Width | <ul style="list-style-type: none"> Project Substations Residences within 75 Feet of Alternatives Residences within 500 Feet of Alternatives Churches Cemeteries Schools Nursing Homes Hospitals Pinch Points Airport State Designated Railroad Prairie MN DNR Natural Heritage Botanical Ecological Zoological | <ul style="list-style-type: none"> Botanical Ecological Zoological Snowmobile Trail State Existing Trail Scenic Byway Fish Technology Center Fisheries Research Station National Fish Hatchery National Wildlife Refuge Waterfowl Production Area MCBS Biodiversity Significance Moderate Significance High Significance Outstanding Significance Wildlife Management Area Scientific and Natural Area | <ul style="list-style-type: none"> State Park State Forest Tribal Lands Trout Streams Q3 FEMA Floodplain Recreational Scenic Wild Designated Wildlife Lakes Impaired Lakes Impaired Streams Public Water Inventory Basins (includes lakes and wetlands) Public Water Inventory Watercourse NWI Wetlands Wetland Crossings > 1,000 Feet | <p>Wetland Area (acres) within 150-foot ROW</p> <ul style="list-style-type: none"> 0.0 - 0.5 0.6 - 1.0 1.1 - 2.0 2.1 - 3.0 3.1 - 6.1 <p>Archaeological Sites</p> <ul style="list-style-type: none"> 1 - 2 3 - 4 5 - 6 <p>Historical Sites</p> <ul style="list-style-type: none"> 4 1 - 5 28 6 - 20 58 21 - 164 |
|--|--|--|---|---|



Appendix A - Sheet NR51
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation





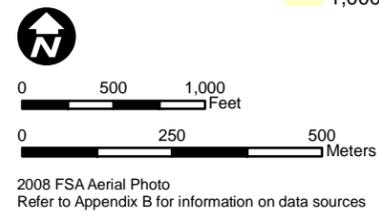
- Original Alignments**
- P Route
 - A Route
 - Additional Alternative Routes**
 - Variation on P Route
 - Variation on A Route
 - Variation on Both
 - 150-foot ROW
 - 1,000-foot Route Width

- Project Substations
- Residences within 75 Feet of Alternatives
- Residences within 500 Feet of Alternatives
- Churches
- Cemeteries
- Schools
- Nursing Homes
- Hospitals
- Pinch Points
- Airport
- State Designated Railroad Prairie
- MN DNR Natural Heritage**
- Botanical
- Ecological
- Zoological

- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- Wildlife Management Area
- Scientific and Natural Area

- State Park
- State Forest
- Tribal Lands
- Trout Streams
- Q3 FEMA Floodplain
- Recreational
- Scenic
- Wild
- Designated Wildlife Lakes
- Impaired Lakes
- Impaired Streams
- Public Water Inventory Basins (includes lakes and wetlands)
- Public Water Inventory Watercourse
- NWI Wetlands
- Wetland Crossings > 1,000 Feet

- Wetland Area (acres) within 150-foot ROW**
- 0.0 - 0.5
 - 0.6 - 1.0
 - 1.1 - 2.0
 - 2.1 - 3.0
 - 3.1 - 6.1
- Archaeological Sites**
- 1 - 2
 - 3 - 4
 - 5 - 6
- Historical Sites**
- 4 1 - 5
 - 28 6 - 20
 - 58 21 - 164



Appendix A - Sheet NR52
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

