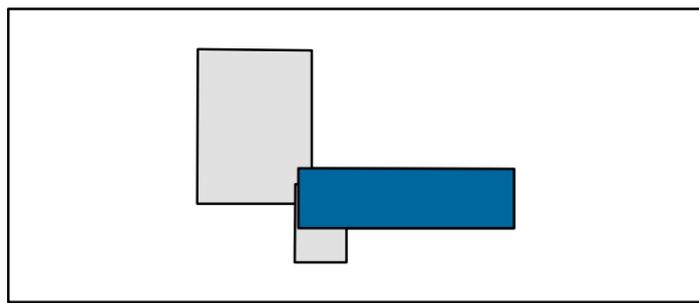


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- Project Substations
- MR1 Map Index
- County Boundaries
- Original Alignments**
- P Route
- A Route
- Additional Alternative Routes**
- Variation on P Route
- Variation on A Route
- Variation on Both
- Parallel Alignment

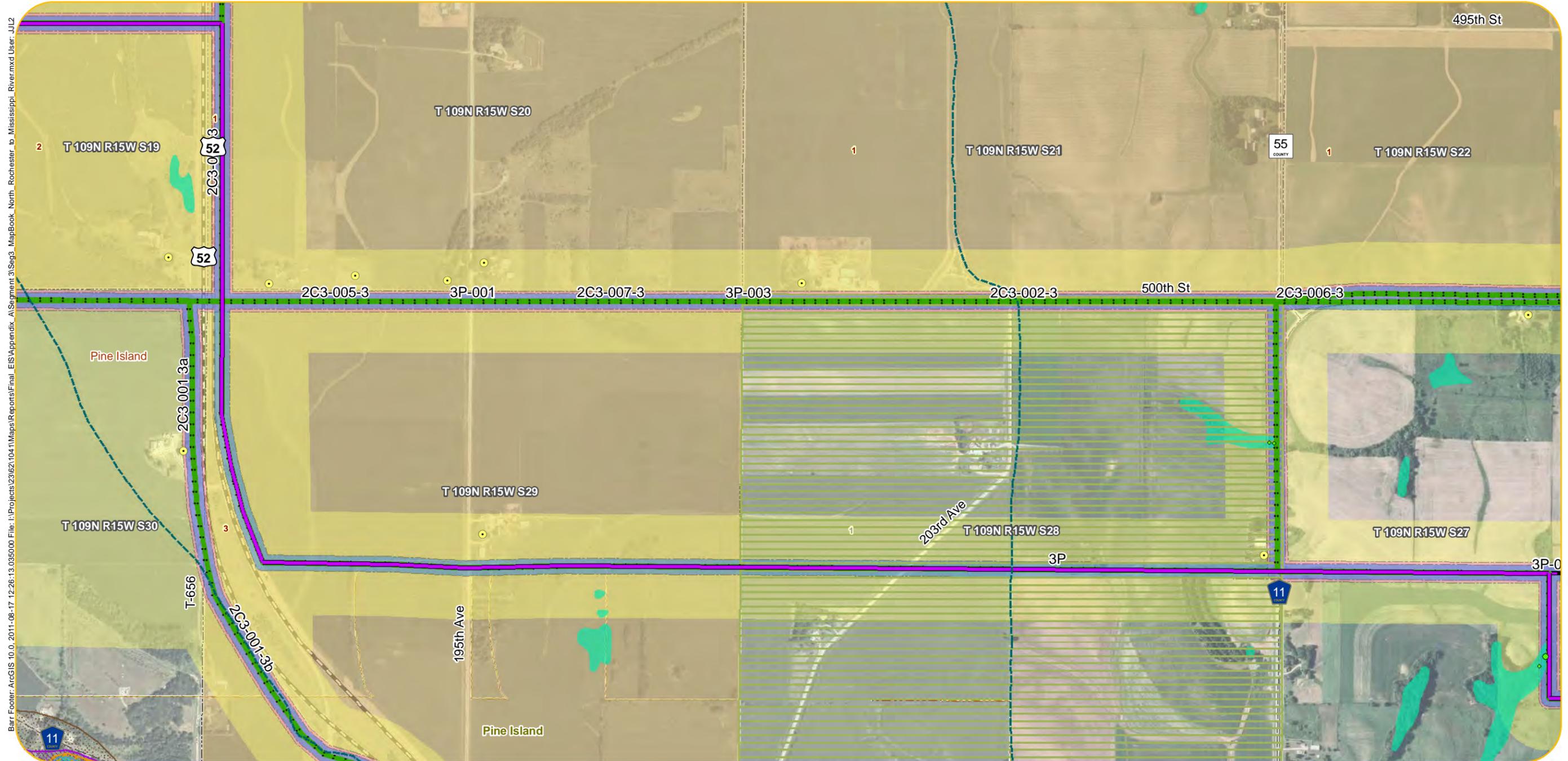
Appendix A - Overview Map Segment 3, North Rochester Substation to Mississippi River



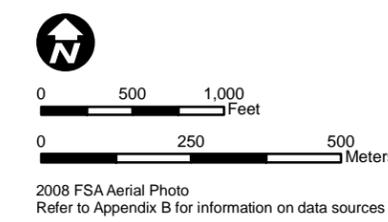
Refer to Appendix B for information on data sources

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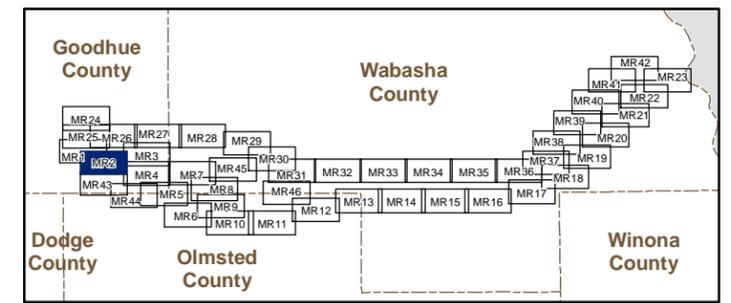
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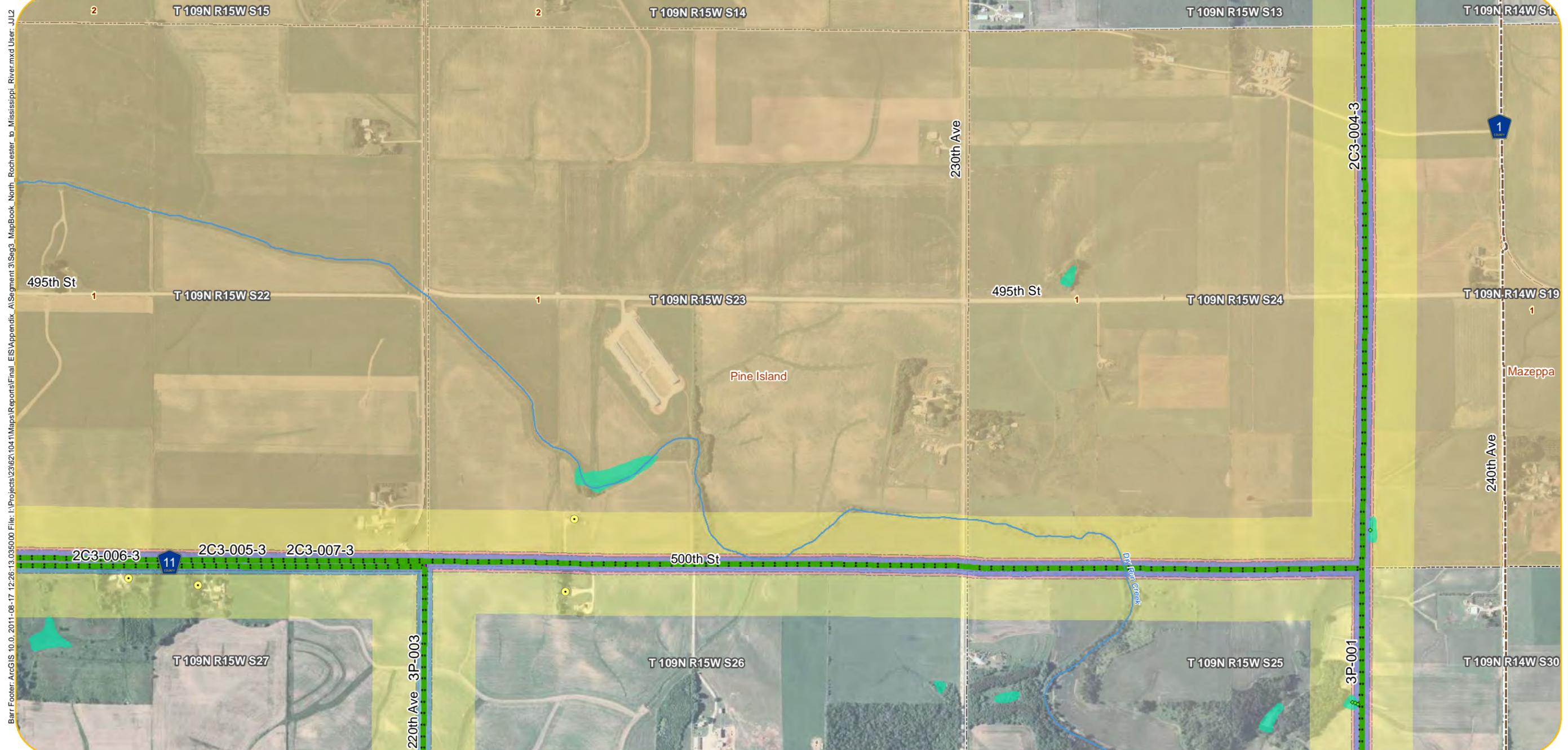


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |



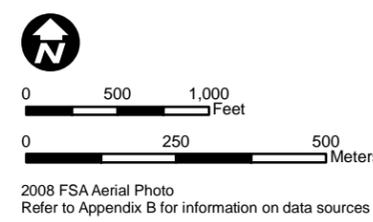
Appendix A - Sheet MR2
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



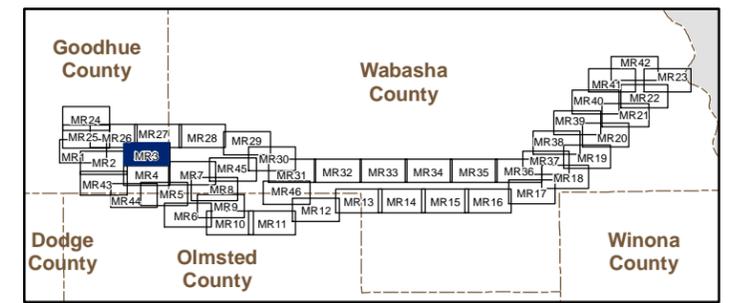


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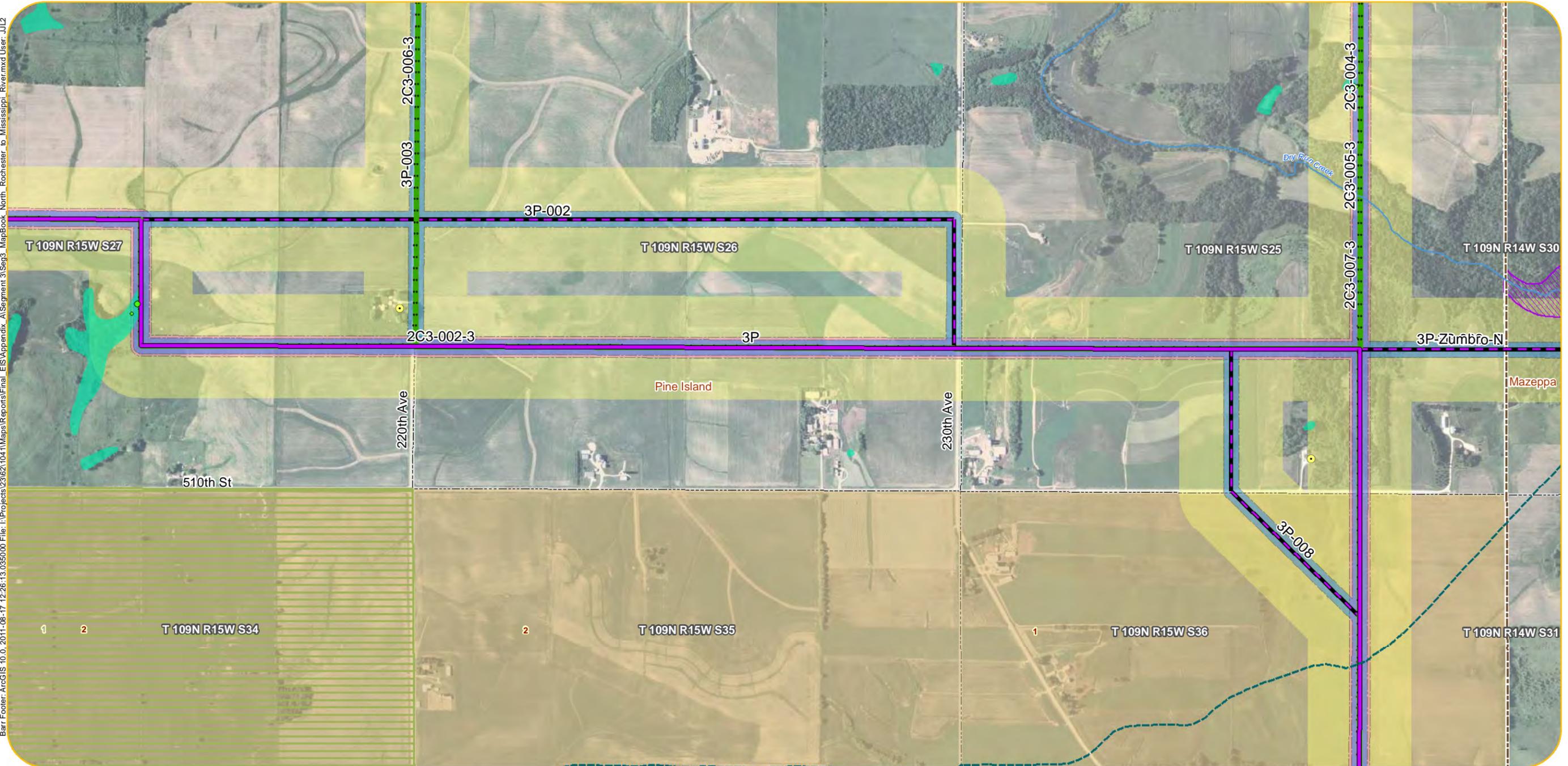
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | MN DNR Natural Heritage | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | Botanical | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Ecological | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Zoological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



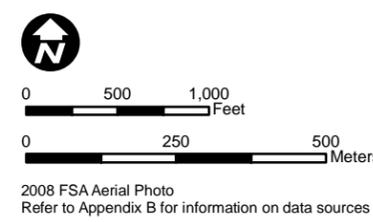
Appendix A - Sheet MR3
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



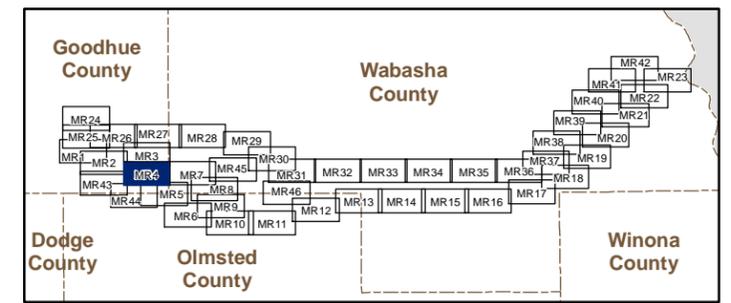
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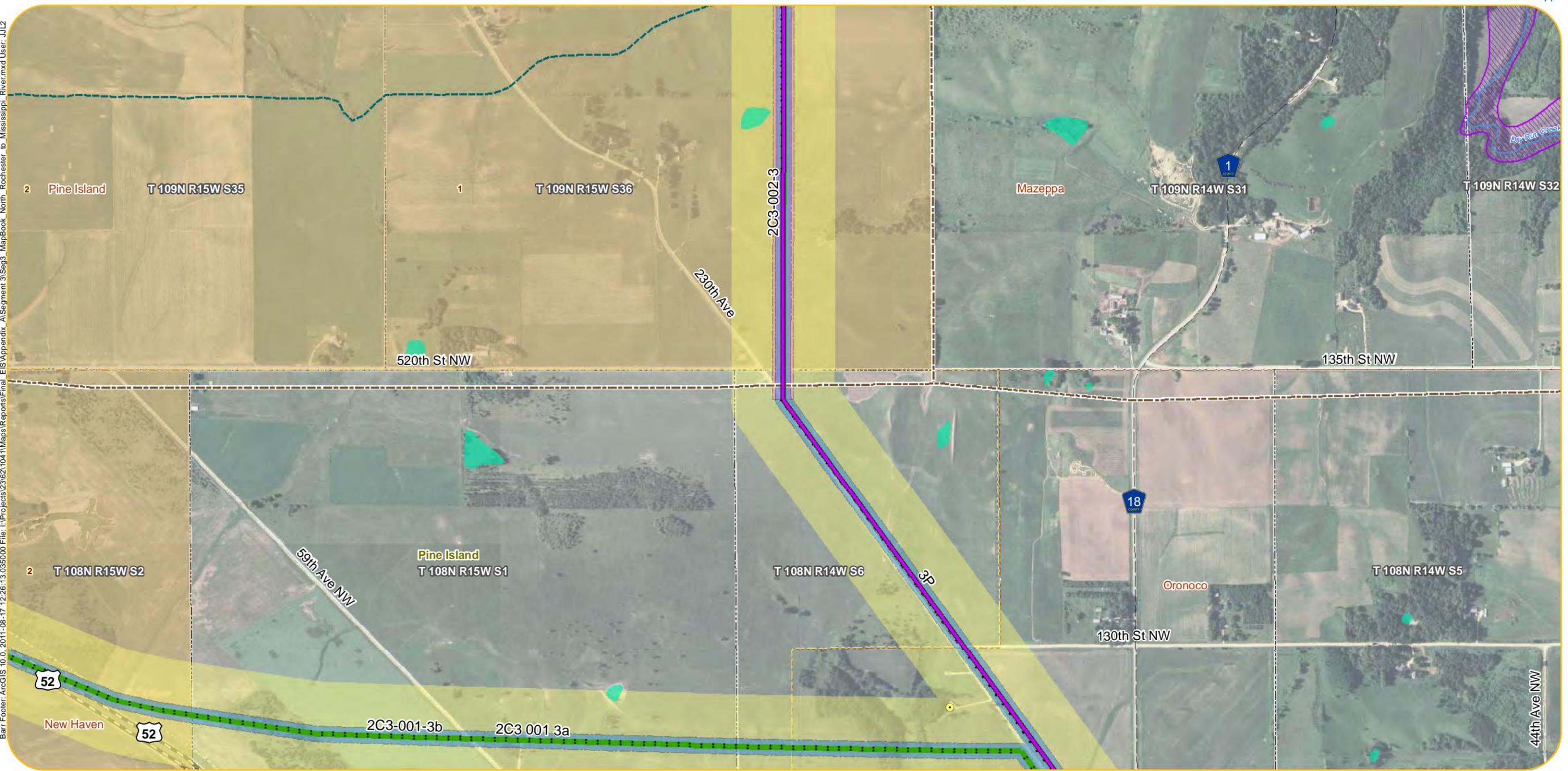
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| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |



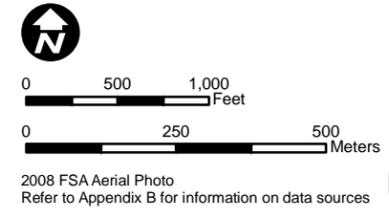
Appendix A - Sheet MR4
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



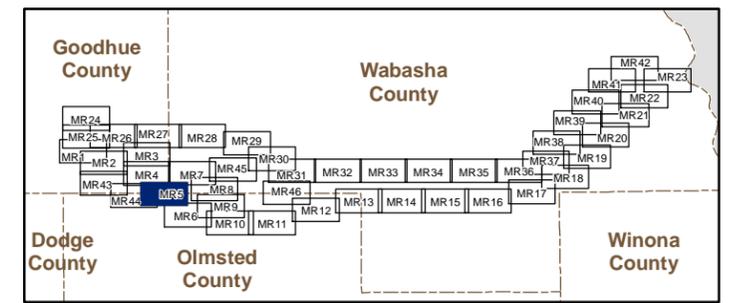
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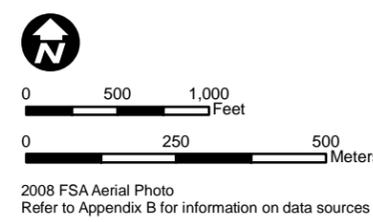
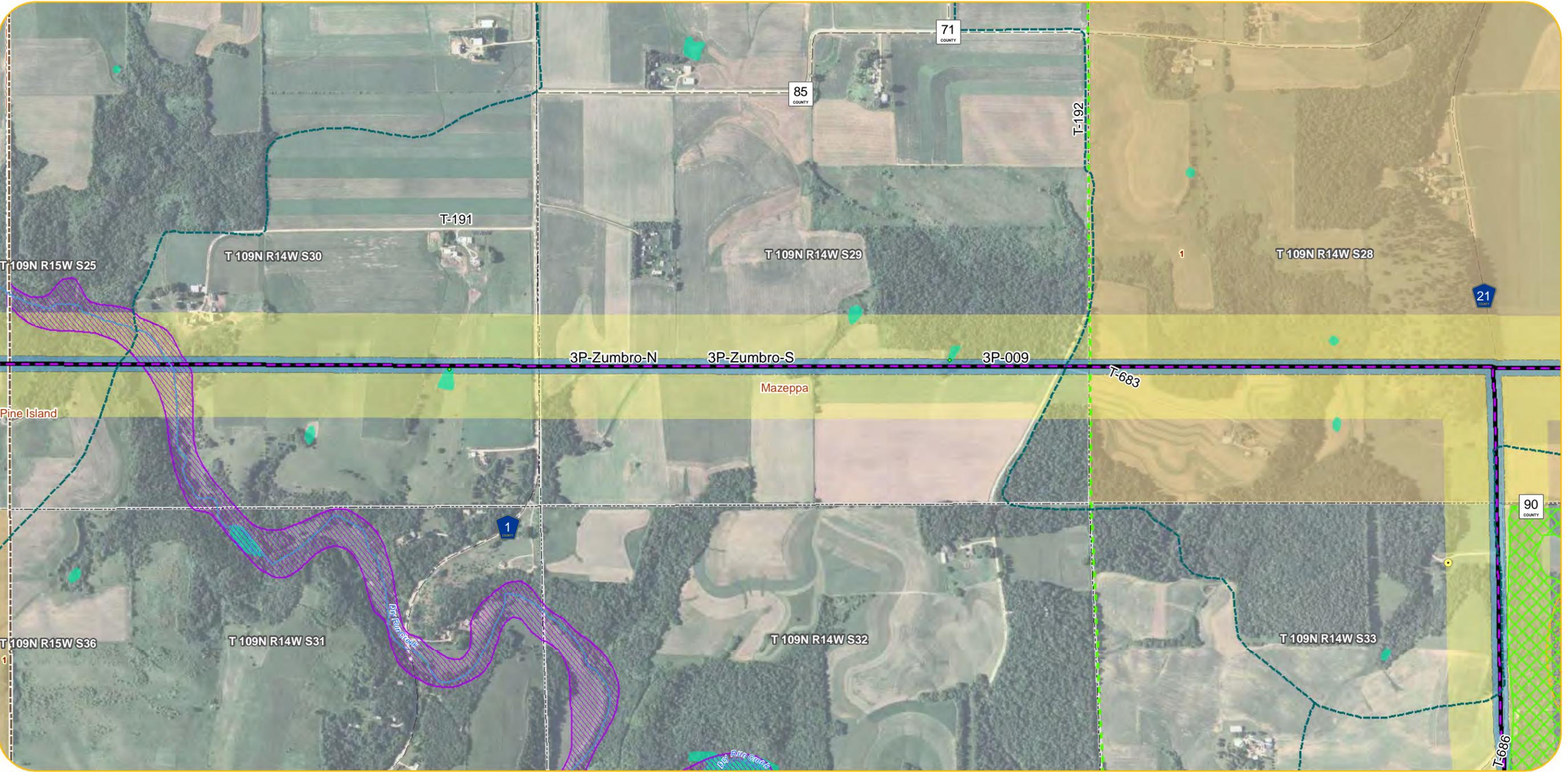
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |



Appendix A - Sheet MR5
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

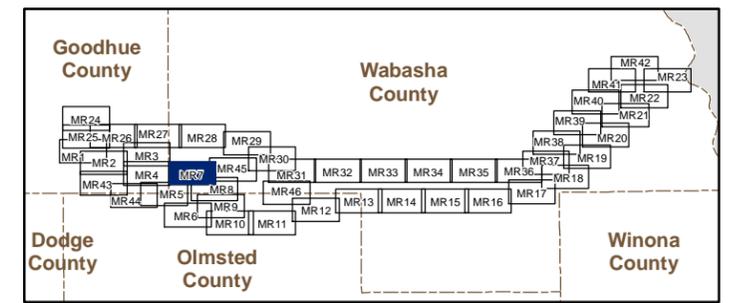


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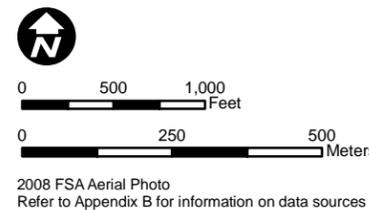
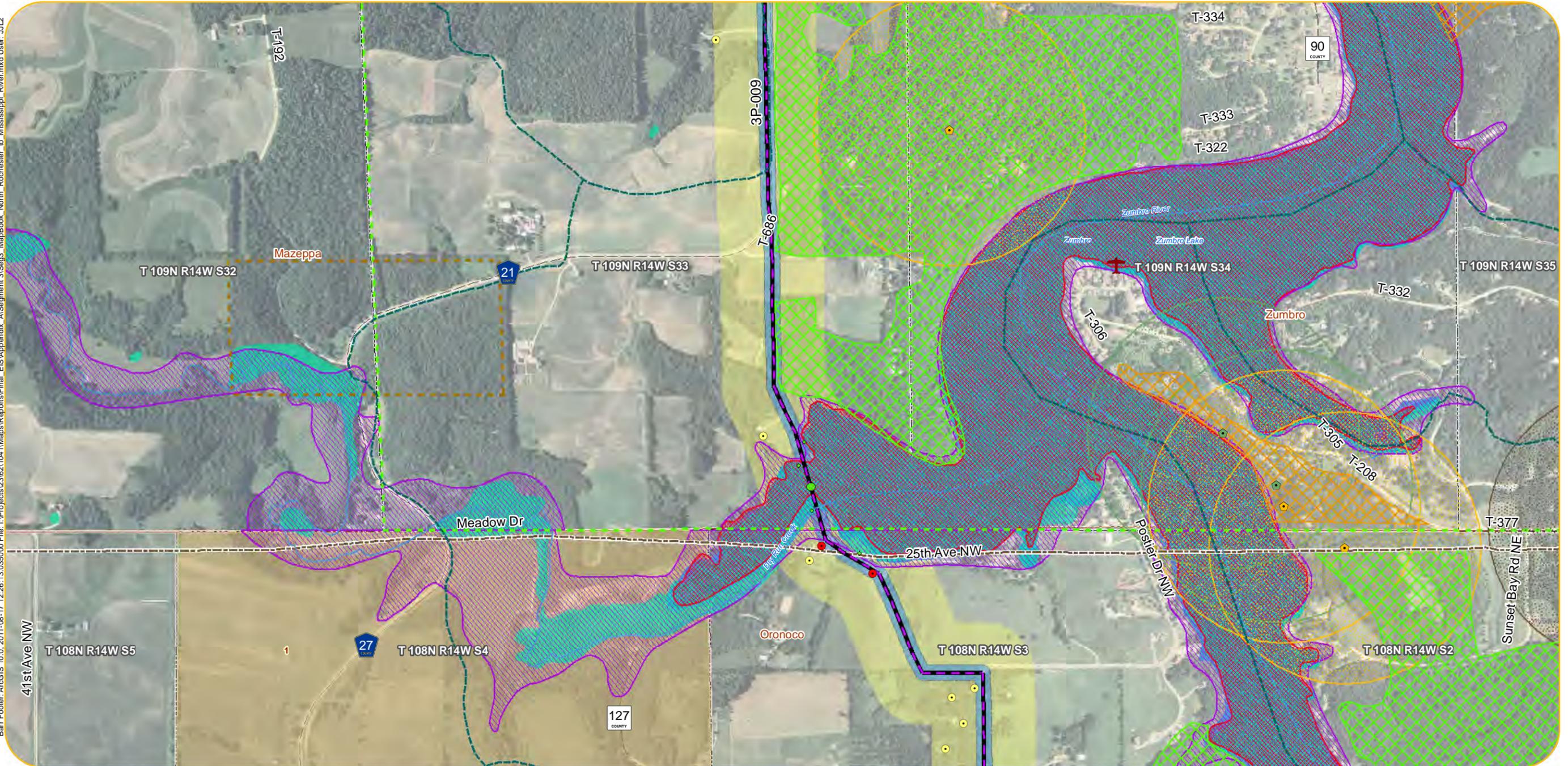


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |

Appendix A - Sheet MR7
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

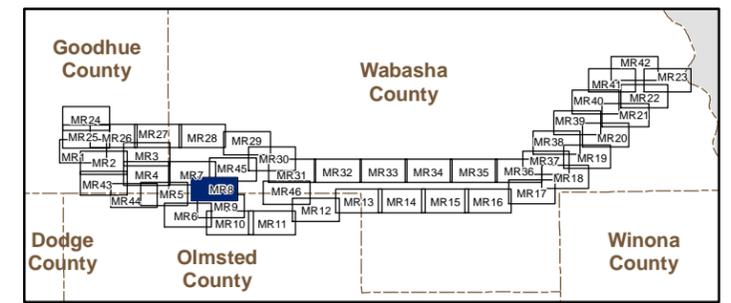


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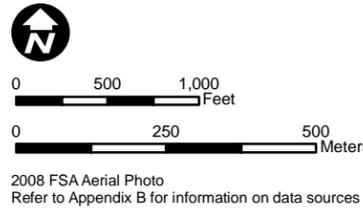
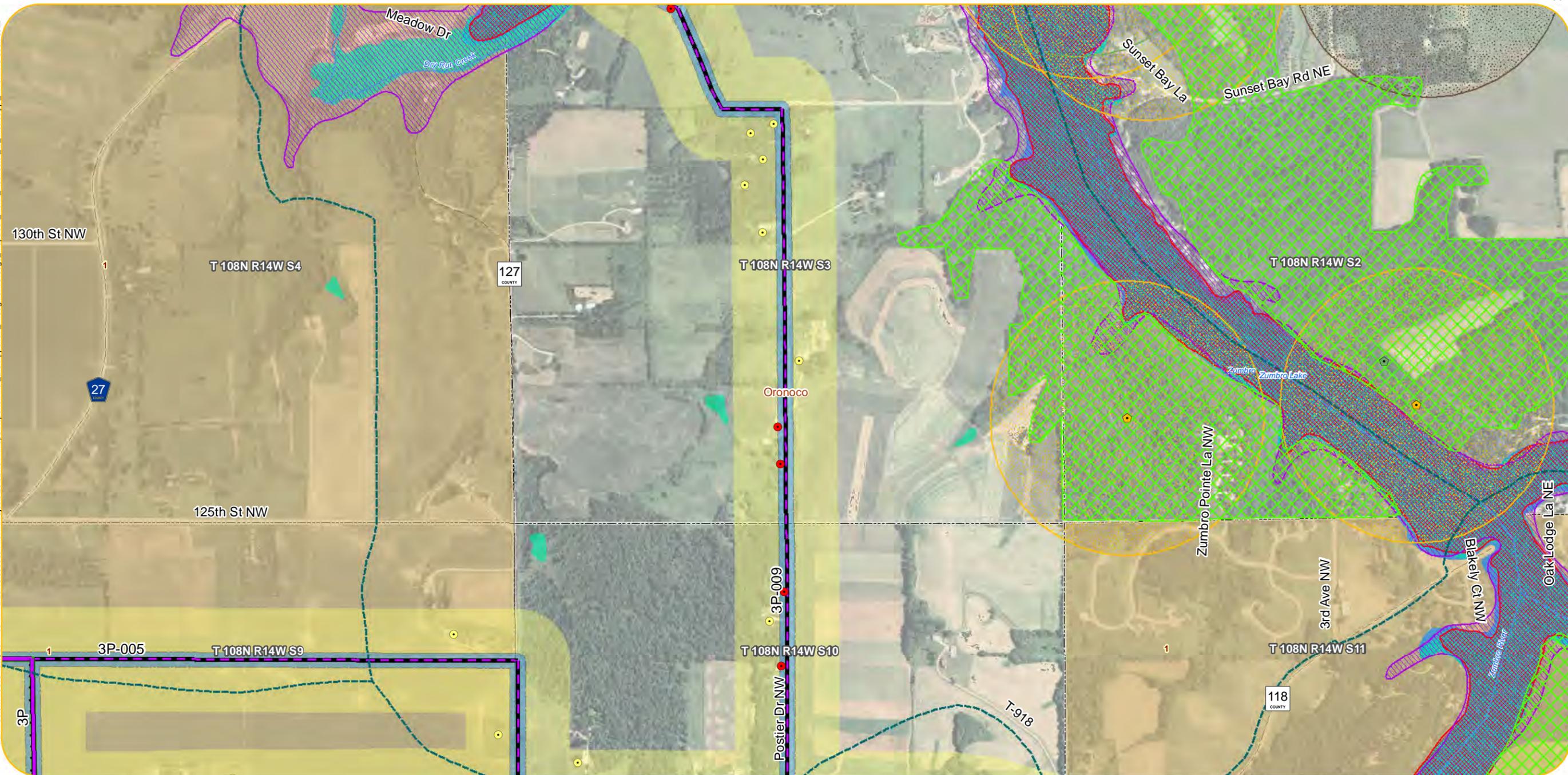


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | | |
| | | Scientific and Natural Area | | |
| | | | | |

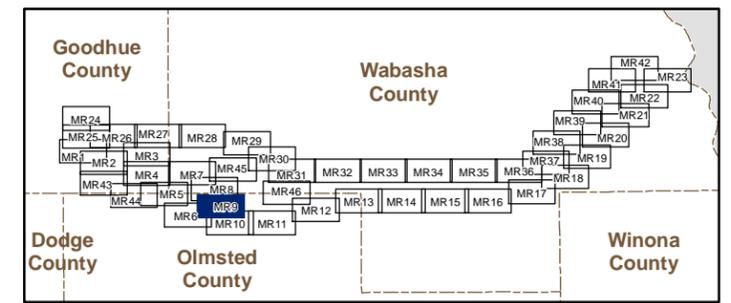
Appendix A - Sheet MR8
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



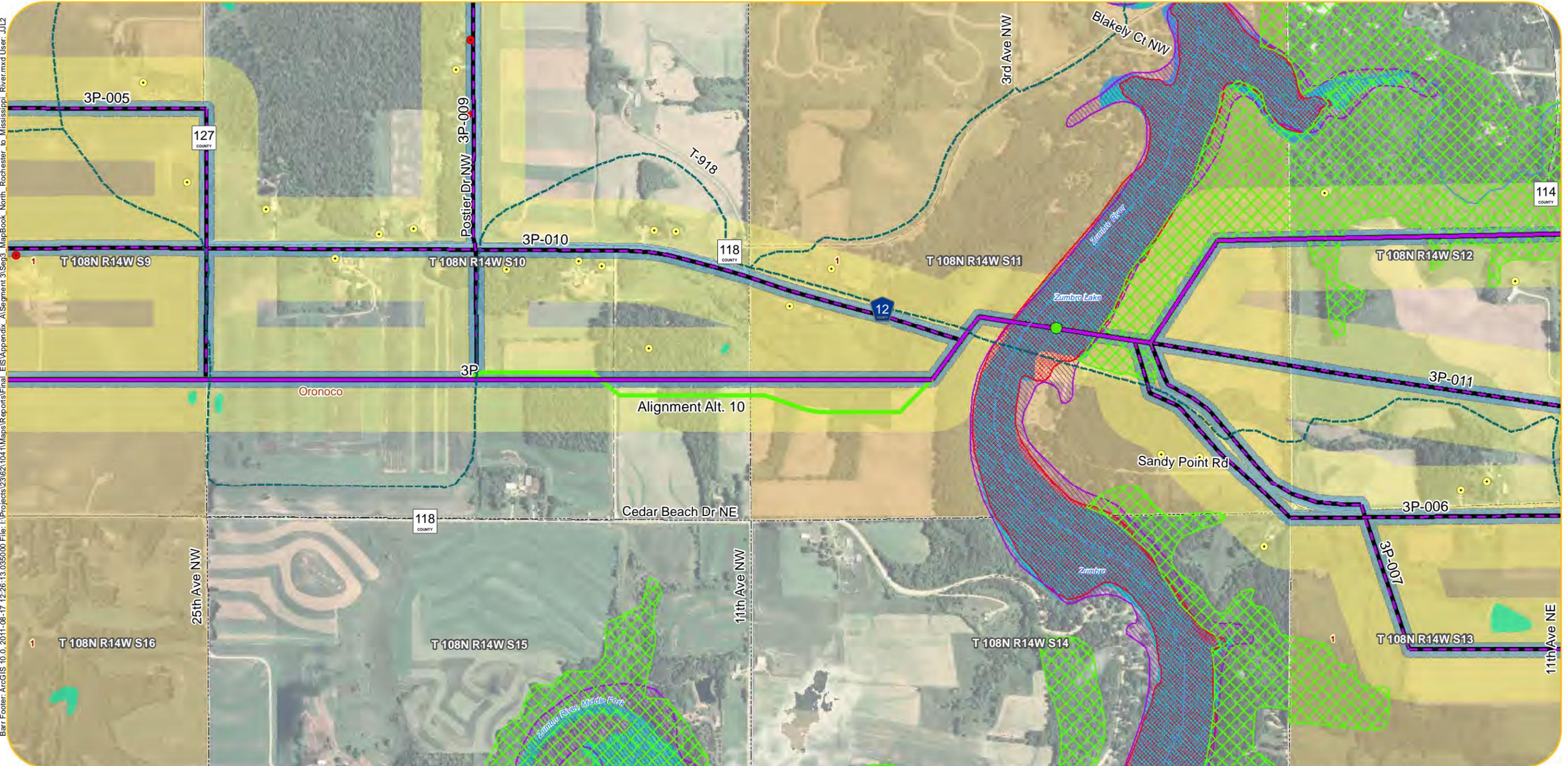
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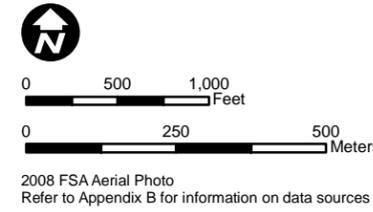
Appendix A - Sheet MR9
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



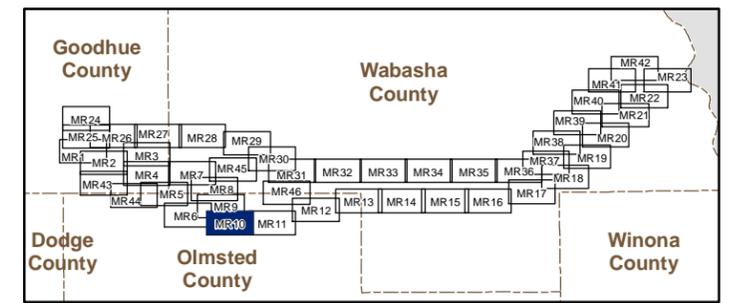
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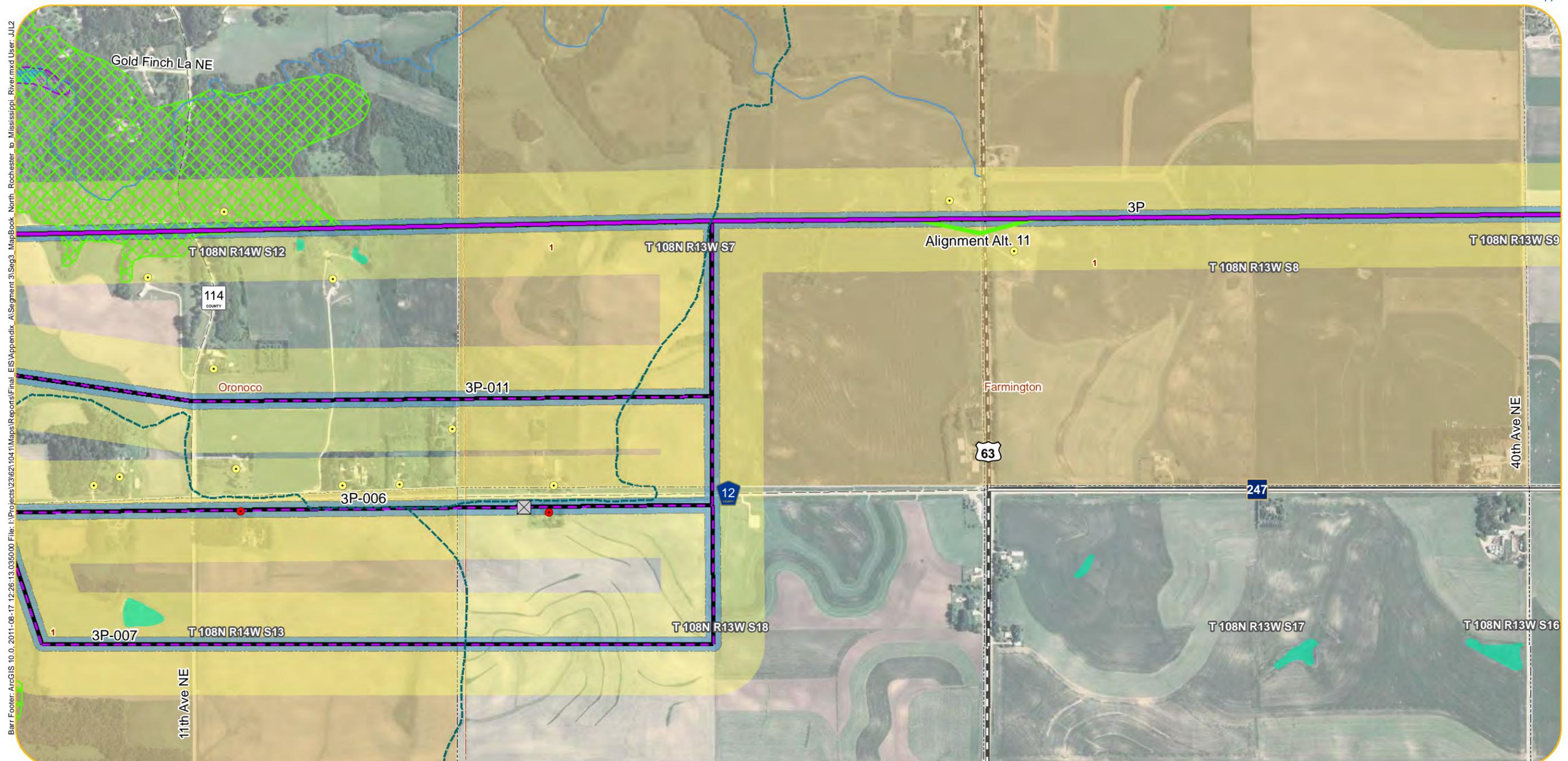


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |



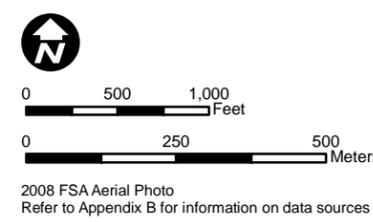
Appendix A - Sheet MR10
Detail Map
Segment 3,
North Rochester Substation to Mississippi River





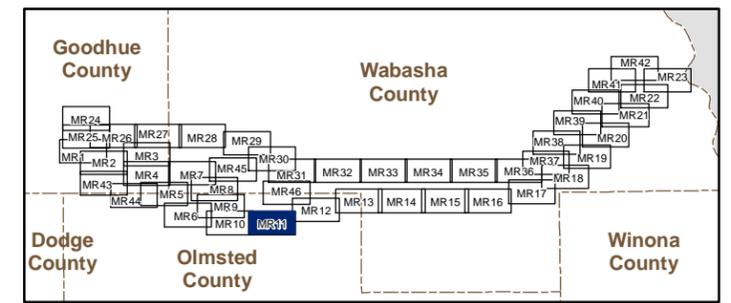
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |

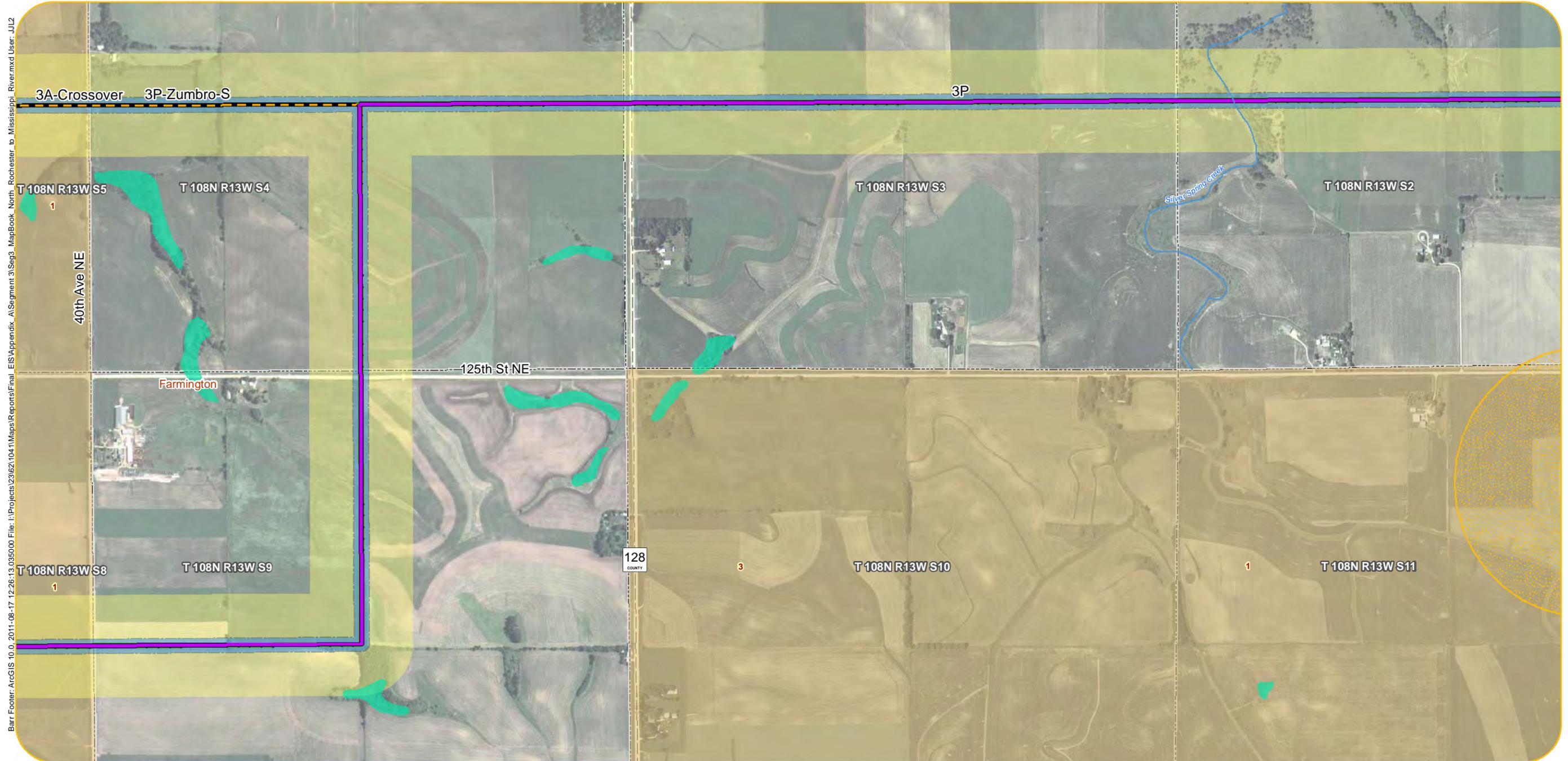


2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

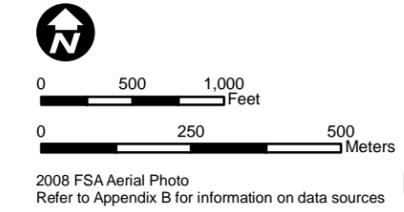
Appendix A - Sheet MR11
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



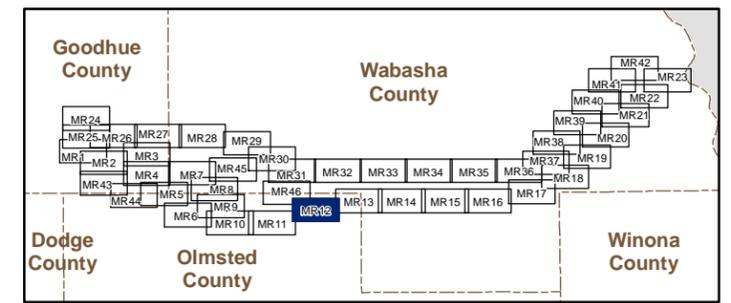
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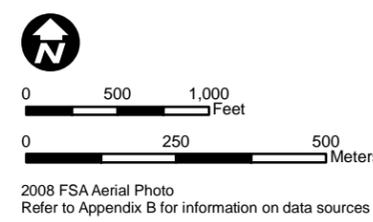
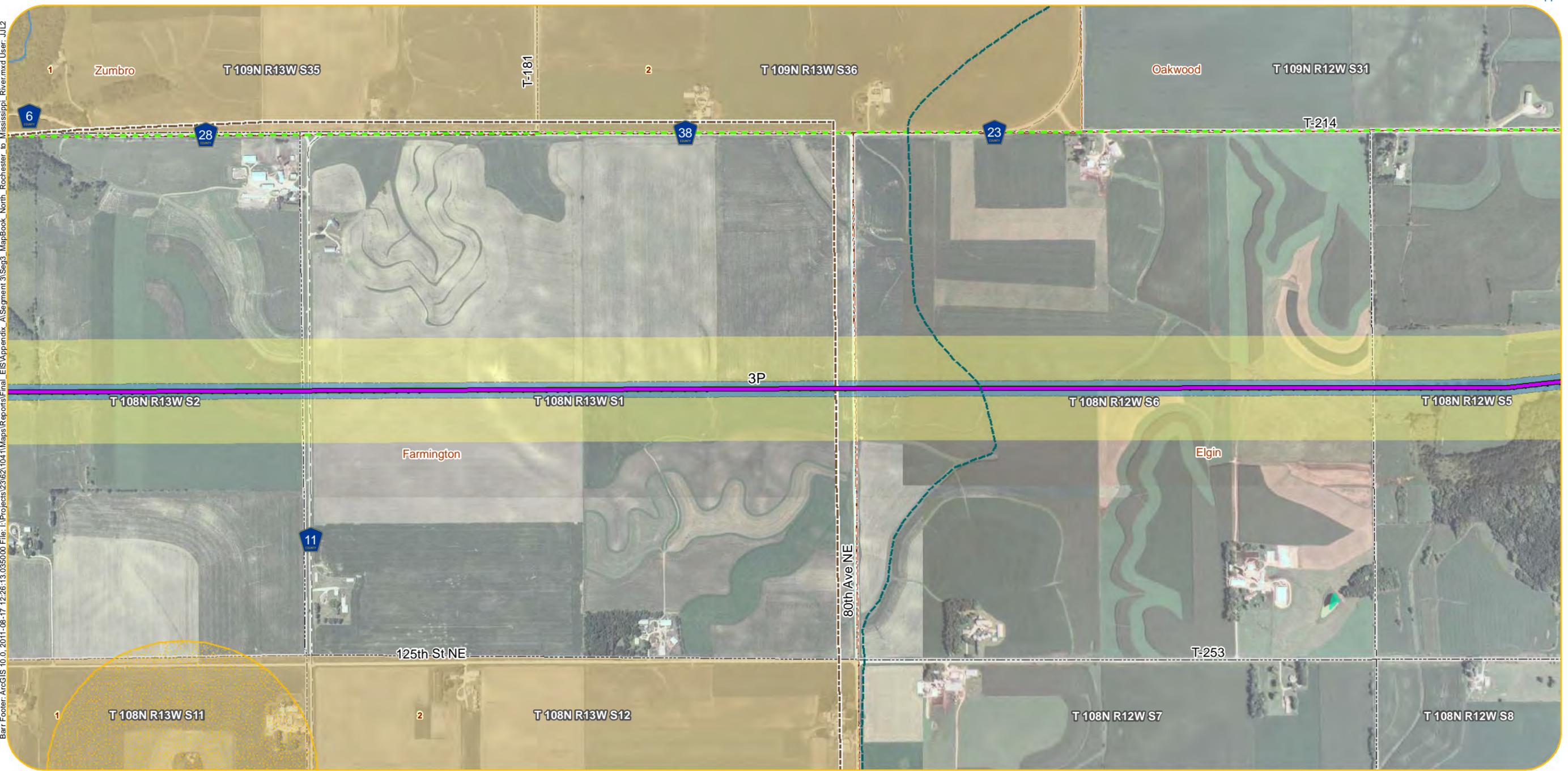
<p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both Parallel Alignment Alignment Alternatives 150-foot ROW 200-foot ROW 1,000-foot Route Width Municipalities Civil Townships Public Land Survey Sections 	<p> Project Substations</p> <p> Residences within 75 Feet of Alternatives</p> <p> Residences within 500 Feet of Alternatives</p> <p> Churches</p> <p> Cemeteries</p> <p> Schools</p> <p> Nursing Homes</p> <p> Hospitals</p> <p> Pinch Points</p> <p> Airport</p> <p> State Designated Railroad Prairie</p> <p>MN DNR Natural Heritage</p> <ul style="list-style-type: none"> Botanical Ecological Zoological 	<p> Botanical</p> <p> Ecological</p> <p> Zoological</p> <p> Snowmobile Trail</p> <p> State Existing Trail</p> <p> Scenic Byway</p> <p> Fish Technology Center</p> <p> National Fish Hatchery</p> <p> National Wildlife Refuge</p> <p> Waterfowl Production Area</p> <p>MCBS Biodiversity Significance</p> <ul style="list-style-type: none"> Moderate Significance High Significance Outstanding Significance Wildlife Management Area Scientific and Natural Area 	<p> State Park</p> <p> State Forest</p> <p> Tribal Lands</p> <p> Pivot Irrigation</p> <p> Trout Streams</p> <p> Q3 FEMA Floodplain</p> <p> Recreational</p> <p> Scenic</p> <p> Wild</p> <p> Designated Wildlife Lakes</p> <p> Impaired Lakes</p> <p> Impaired Streams</p> <p> Public Water Inventory Basins (includes lakes and wetlands)</p> <p> Public Water Inventory Watercourse</p> <p> NWI Wetlands</p> <p> Wetland Crossings > 1,000 Feet</p>	<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"> 1 - 5 6 - 20 21 - 164
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Appendix A - Sheet MR12
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

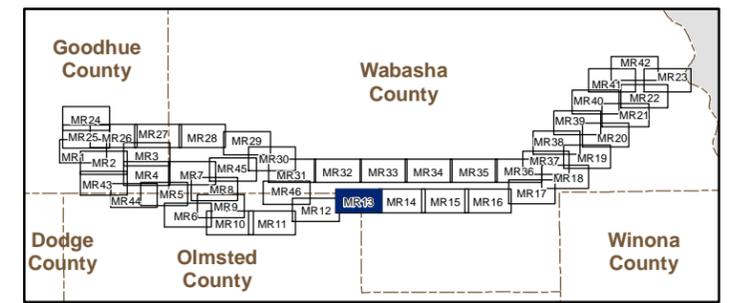


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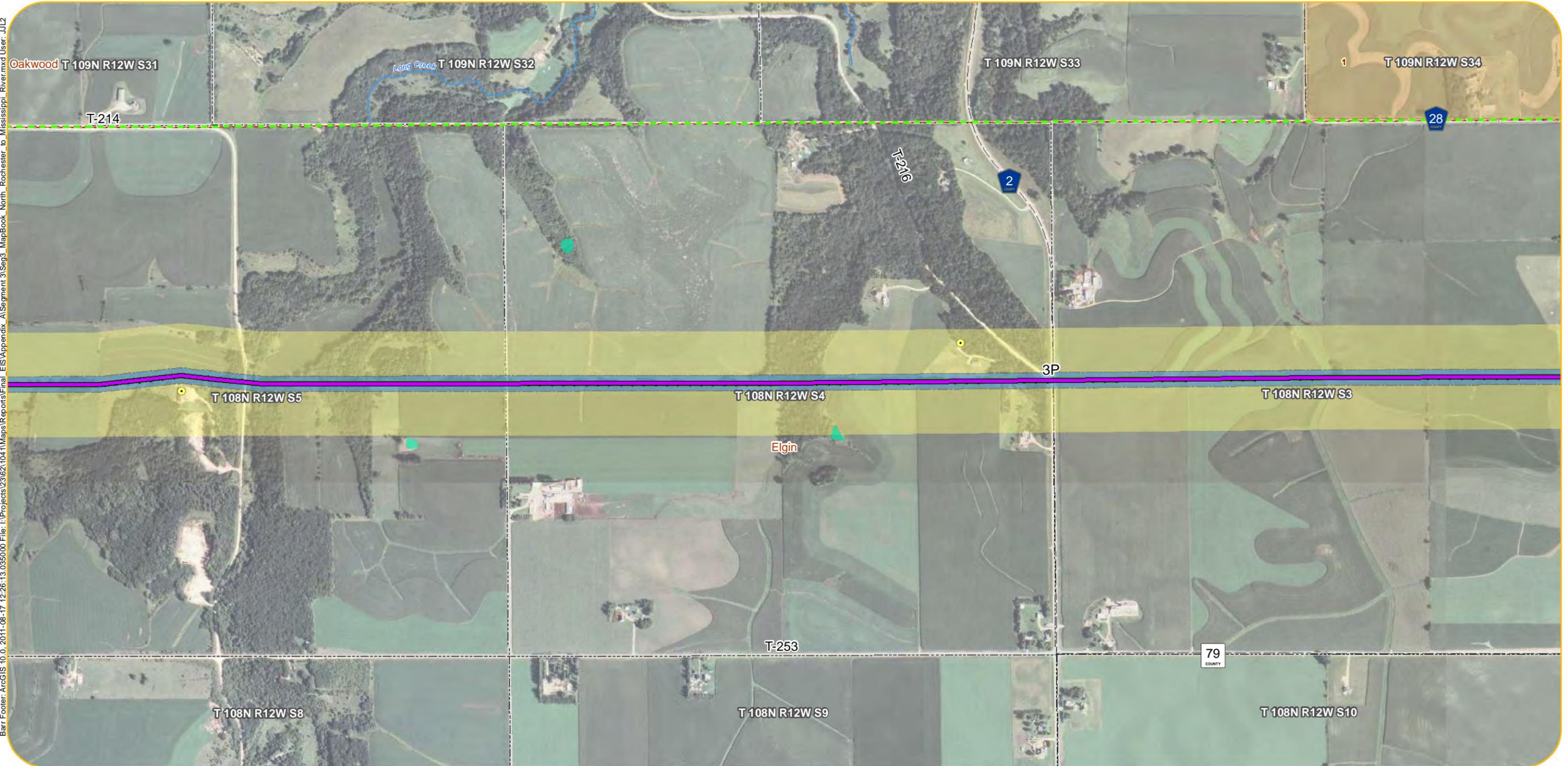


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |

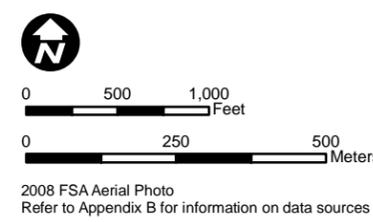
Appendix A - Sheet MR13
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



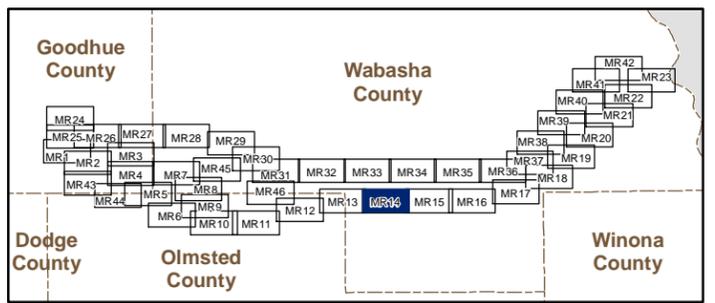
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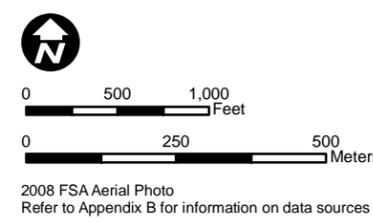
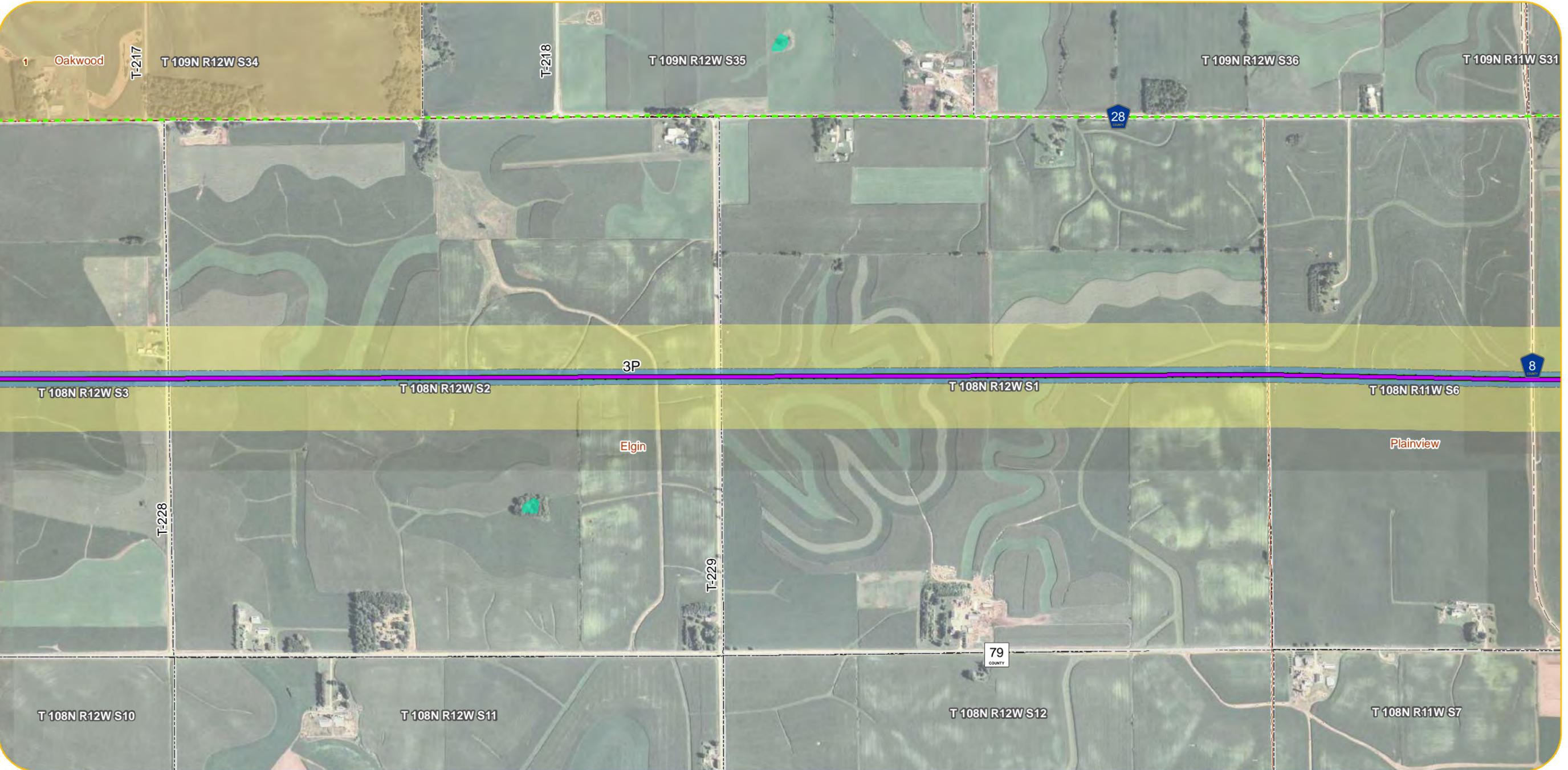
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



Appendix A - Sheet MR14
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

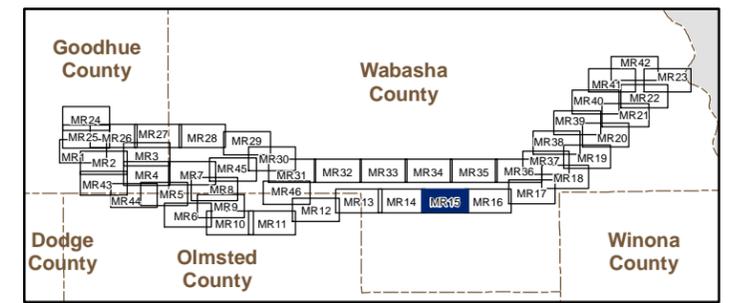


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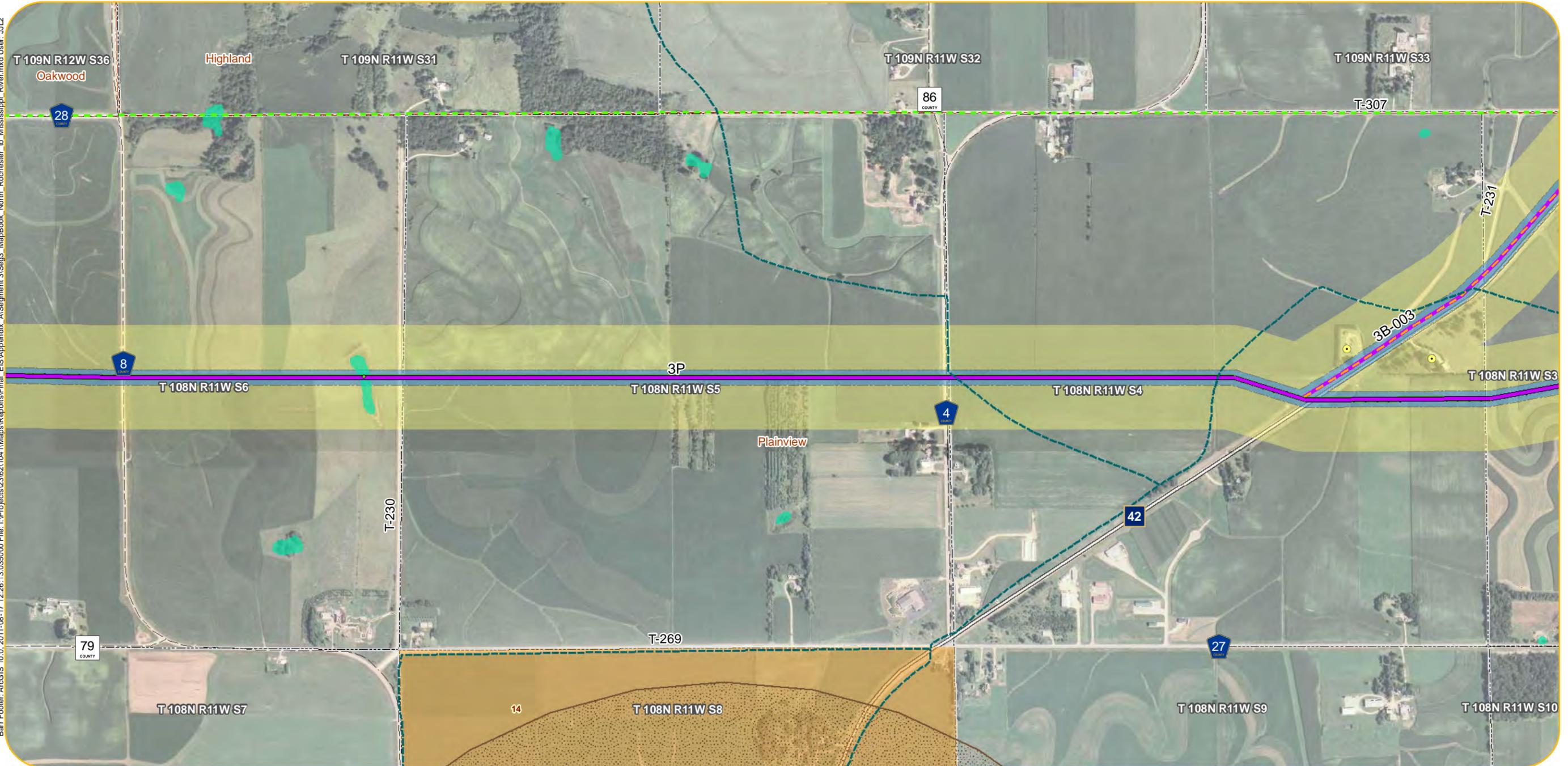


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |

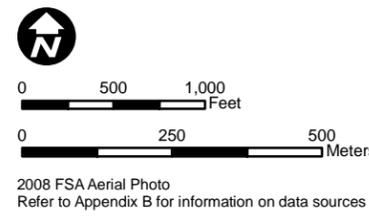
Appendix A - Sheet MR15
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



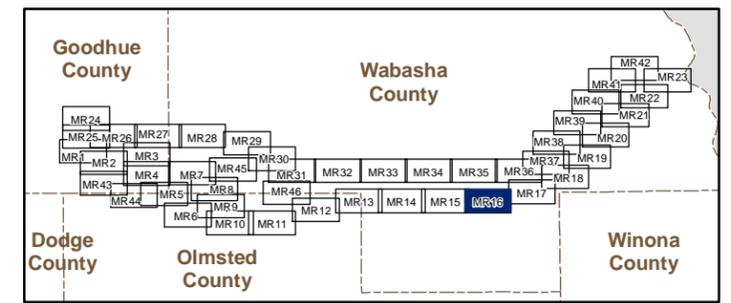
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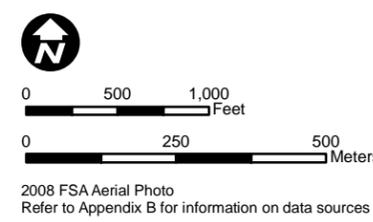
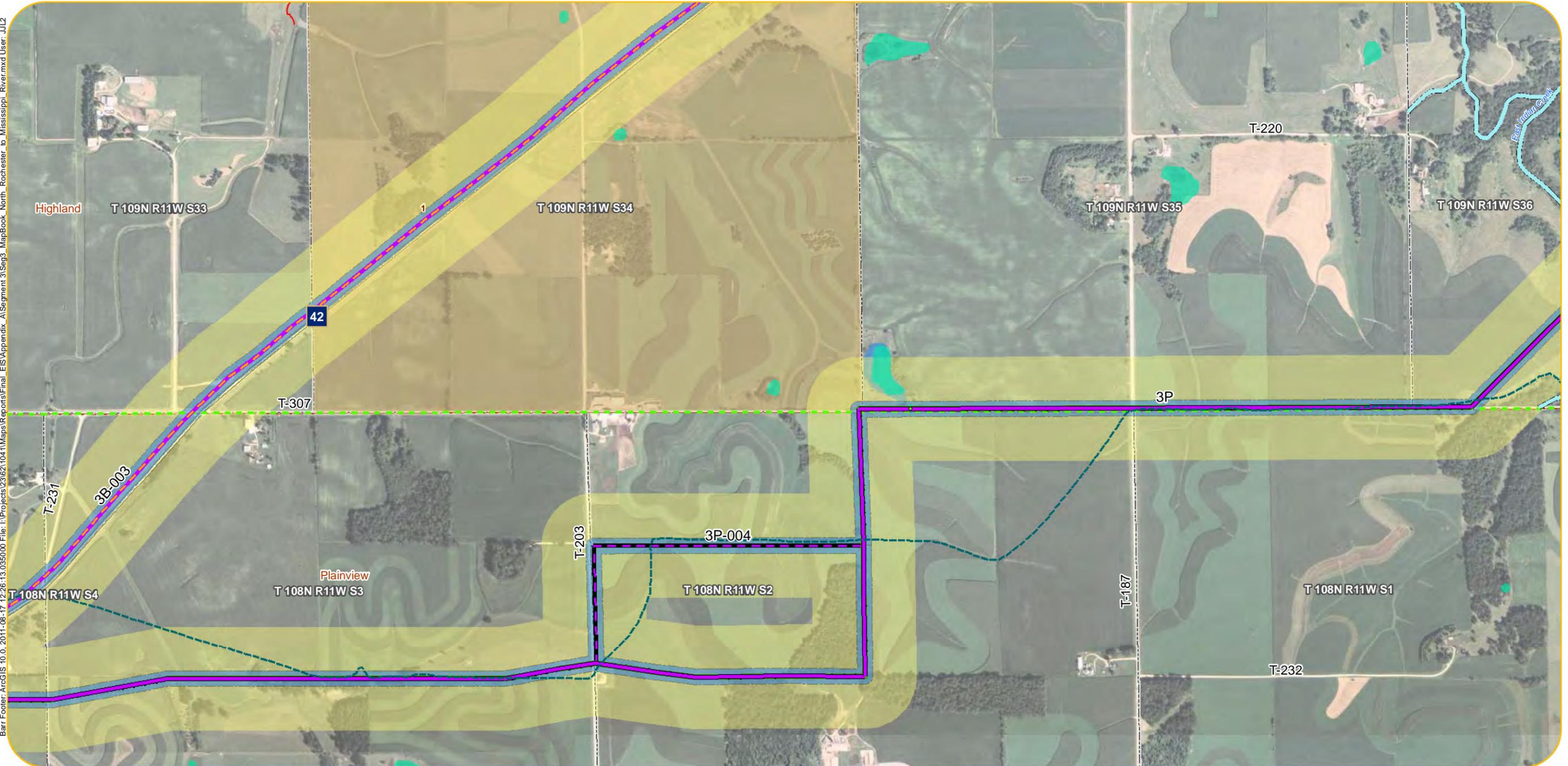
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



Appendix A - Sheet MR16
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

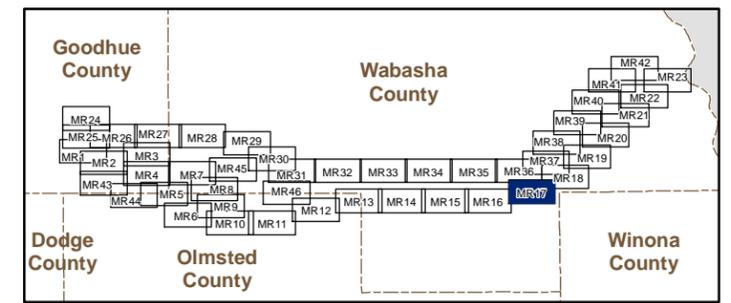


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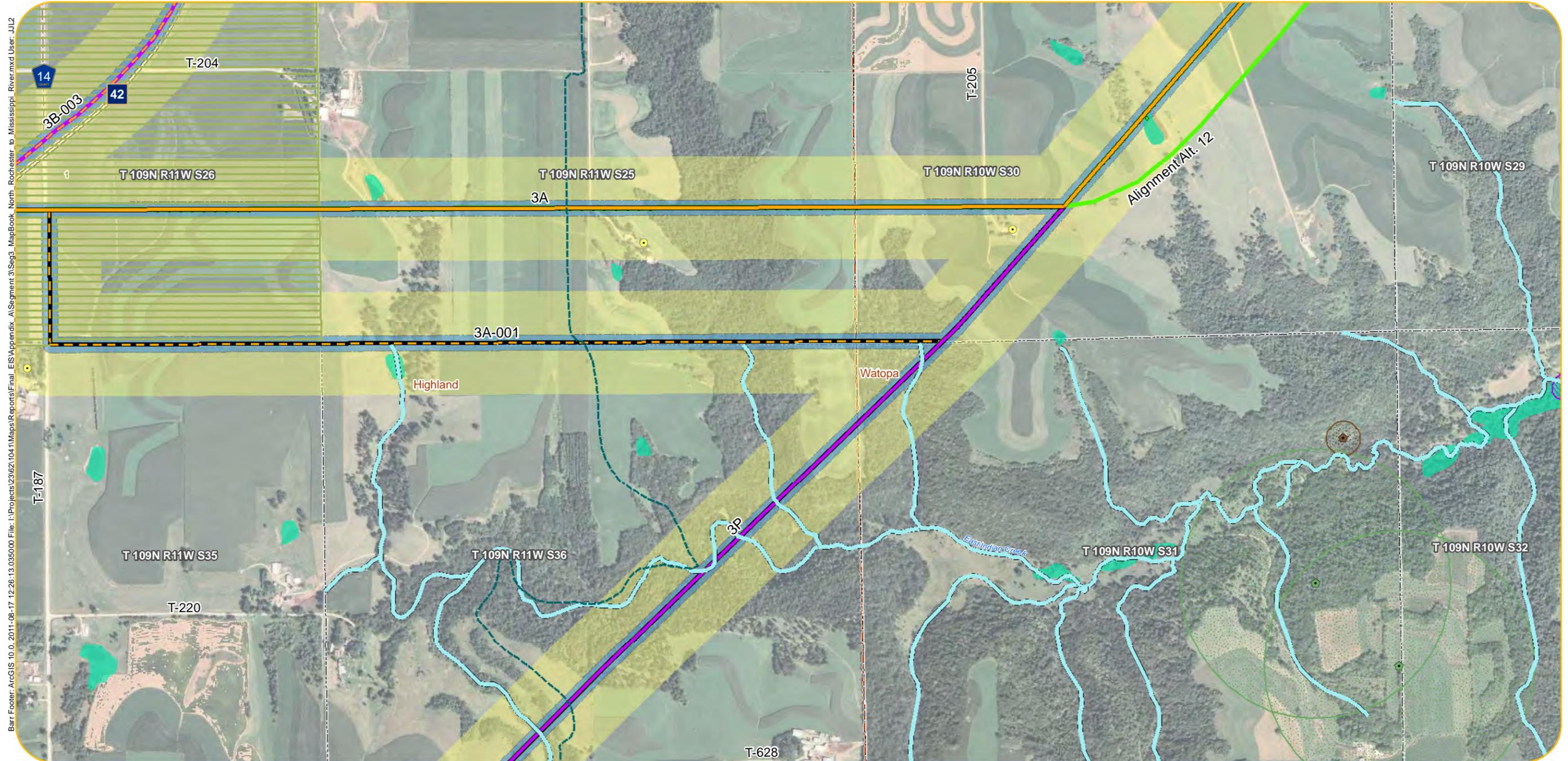


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |

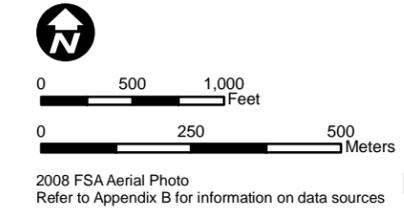
Appendix A - Sheet MR17
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



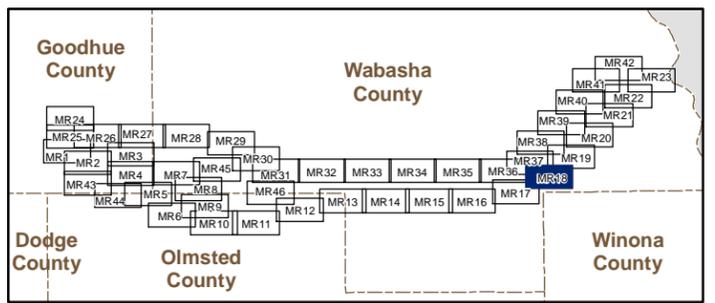
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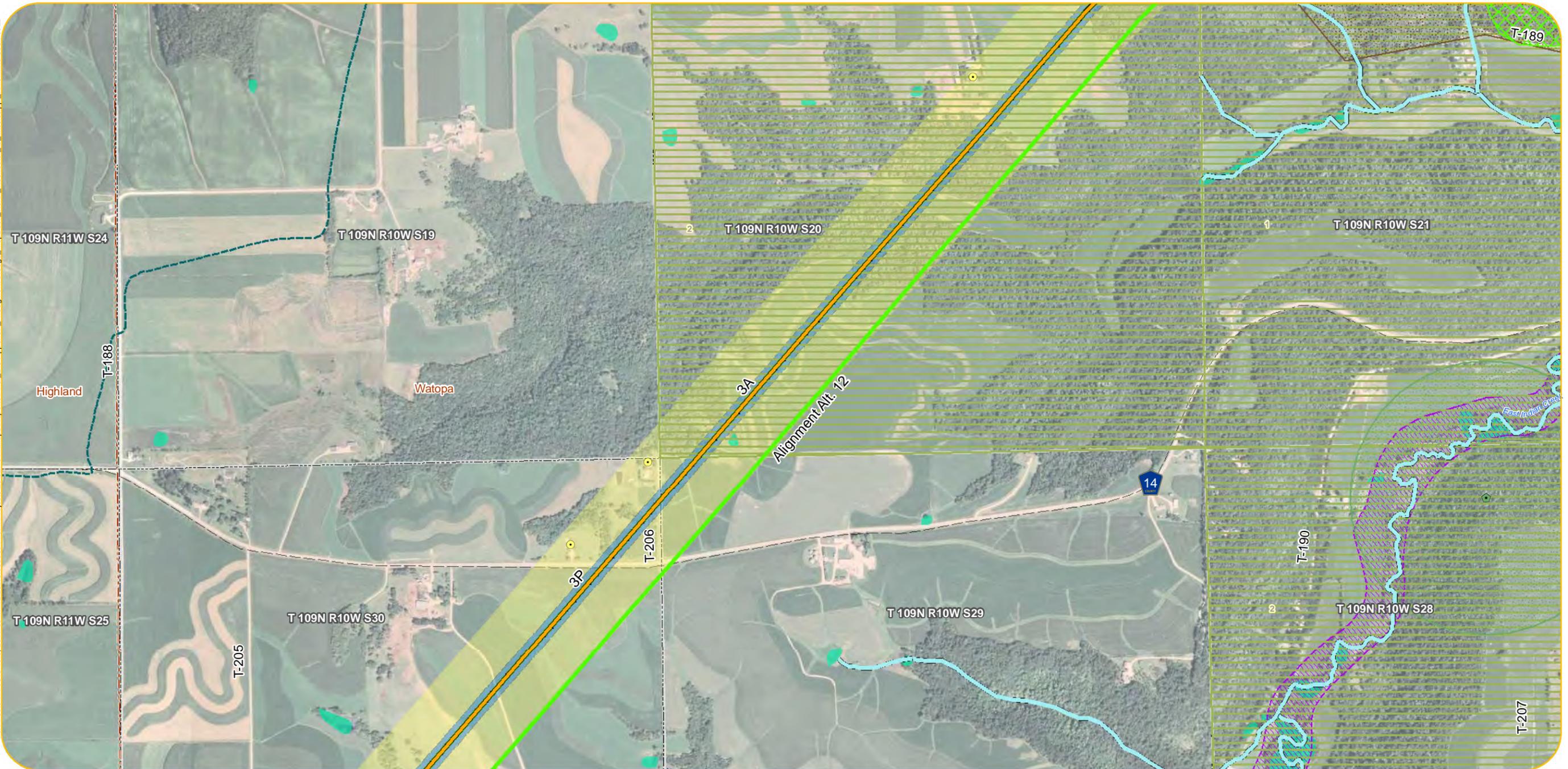
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|--|---|---|--|---|
| <ul style="list-style-type: none"> Original Alignments P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both Parallel Alignment Alignment Alternatives 150-foot ROW 200-foot ROW 1,000-foot Route Width Municipalities Civil Townships Public Land Survey Sections | <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 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 Pivot Irrigation 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 | <ul style="list-style-type: none"> 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 |
|--|---|---|--|---|



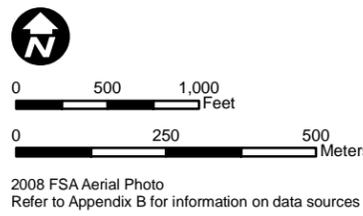
Appendix A - Sheet MR18
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



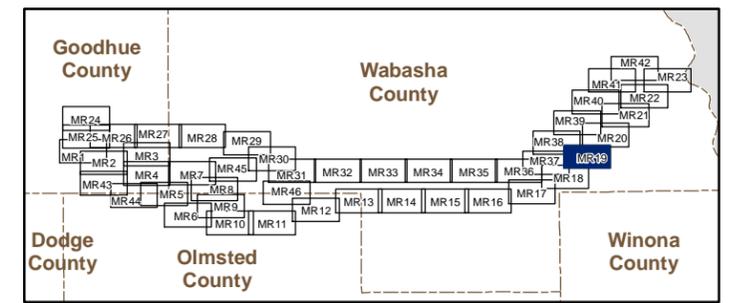
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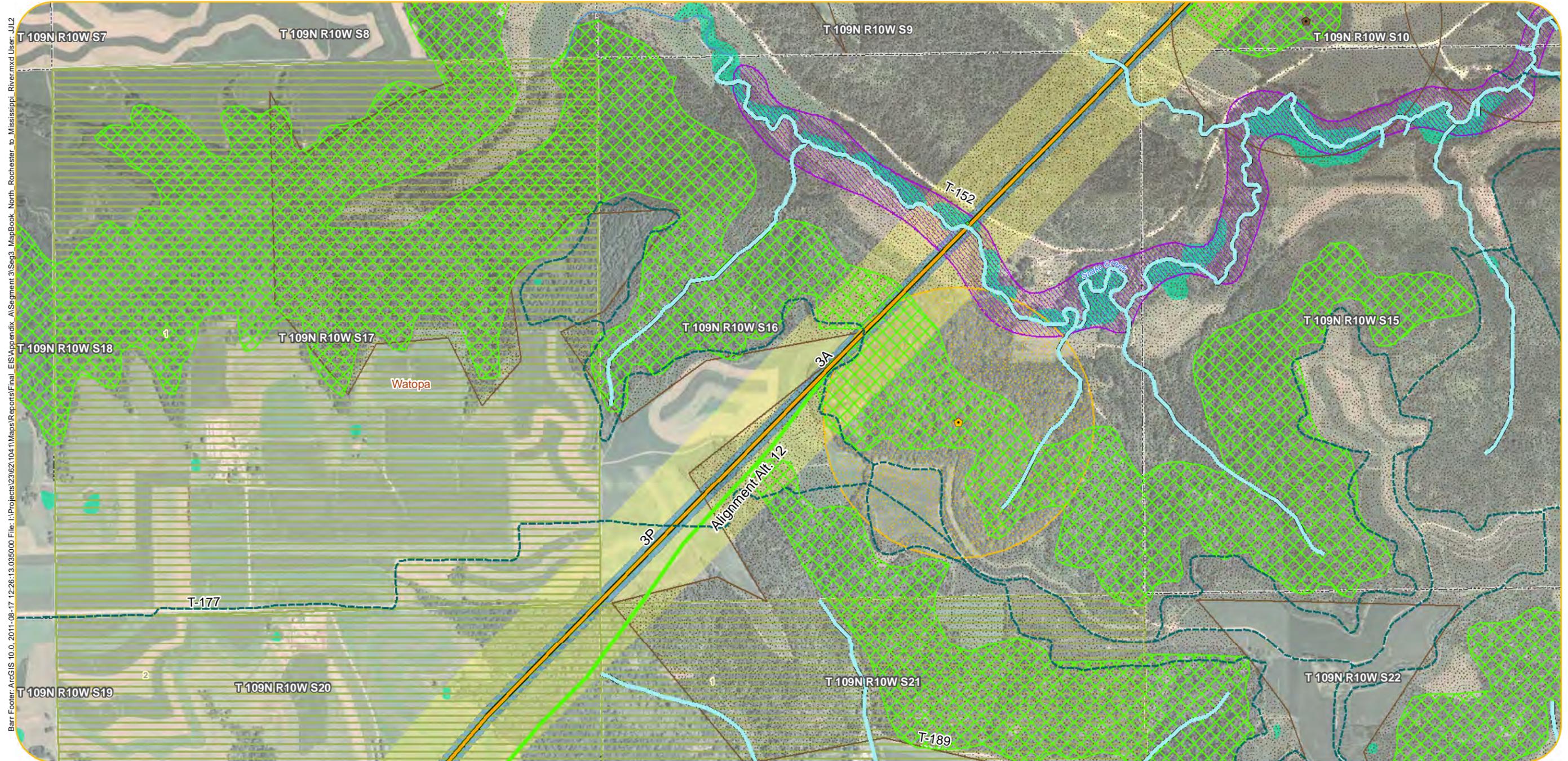
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



Appendix A - Sheet MR19
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



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Original Alignments

- P Route
- A Route
- Additional Alternative Routes
- Variation on P Route
- Variation on A Route
- Variation on Both
- Parallel Alignment
- Alignment Alternatives
- 150-foot ROW
- 200-foot ROW
- 1,000-foot Route Width
- Municipalities
- Civil Townships
- Public Land
- Survey Sections

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
- Pivot Irrigation
- 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

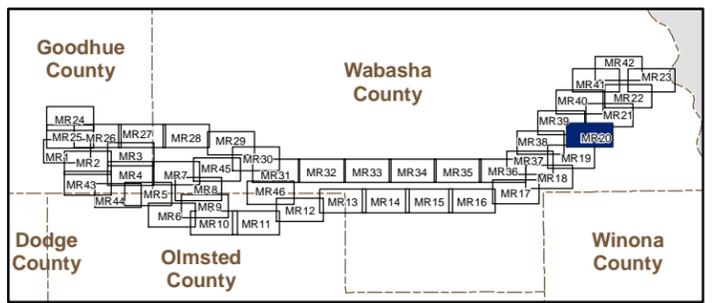
Archaeological Sites

- 1 - 2
- 3 - 4
- 5 - 6

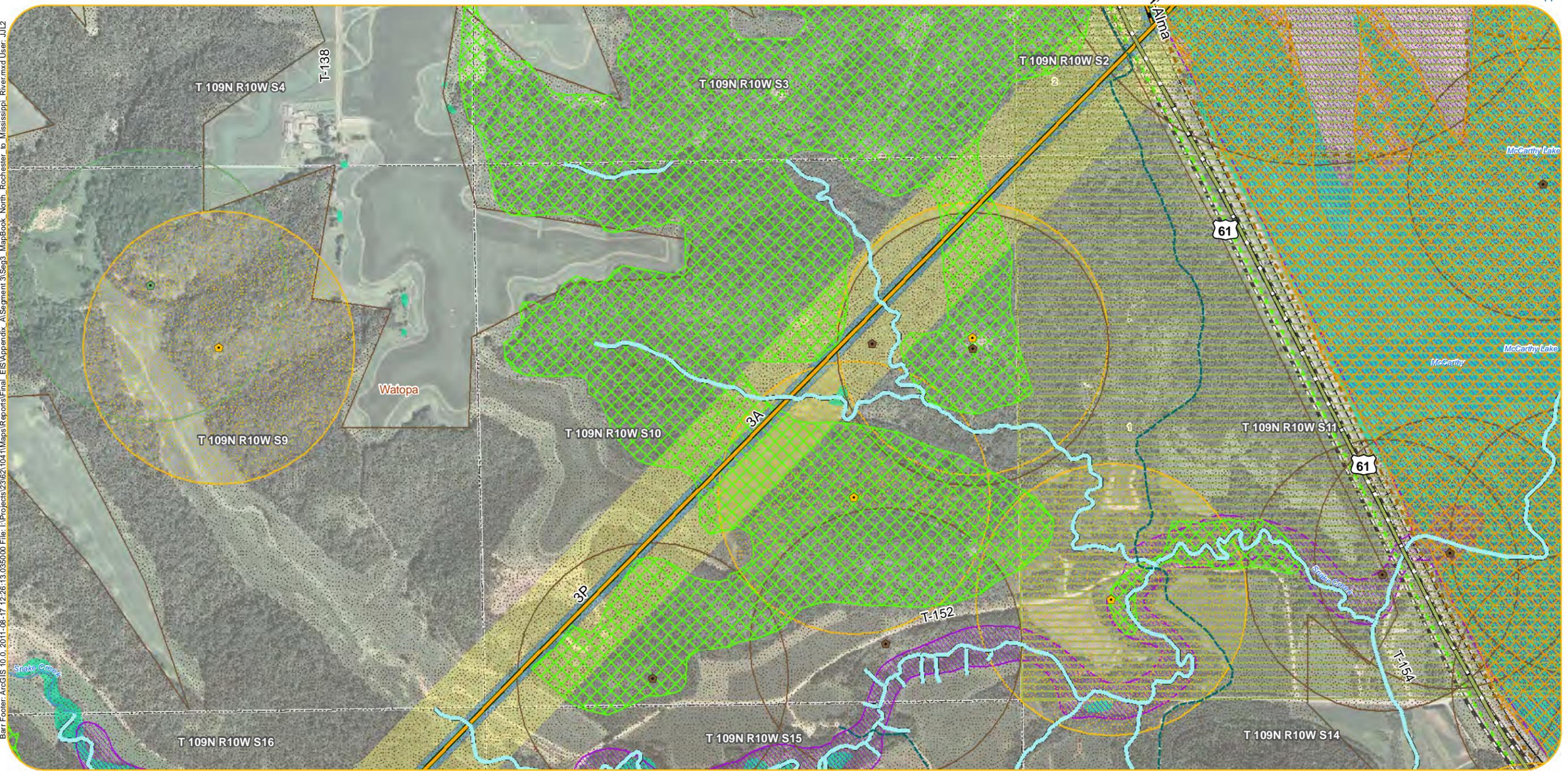
Historical Sites

- 1 - 5
- 6 - 20
- 21 - 164

Appendix A - Sheet MR20
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

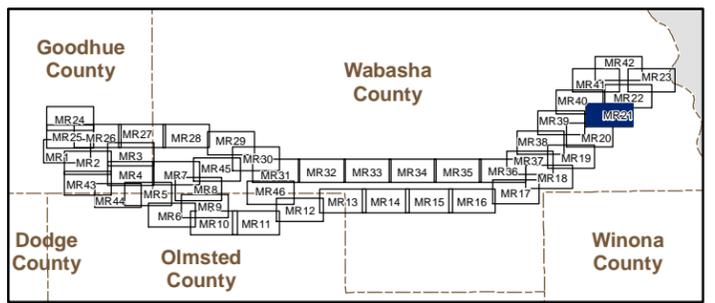


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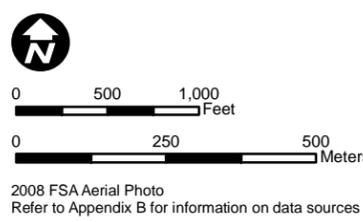
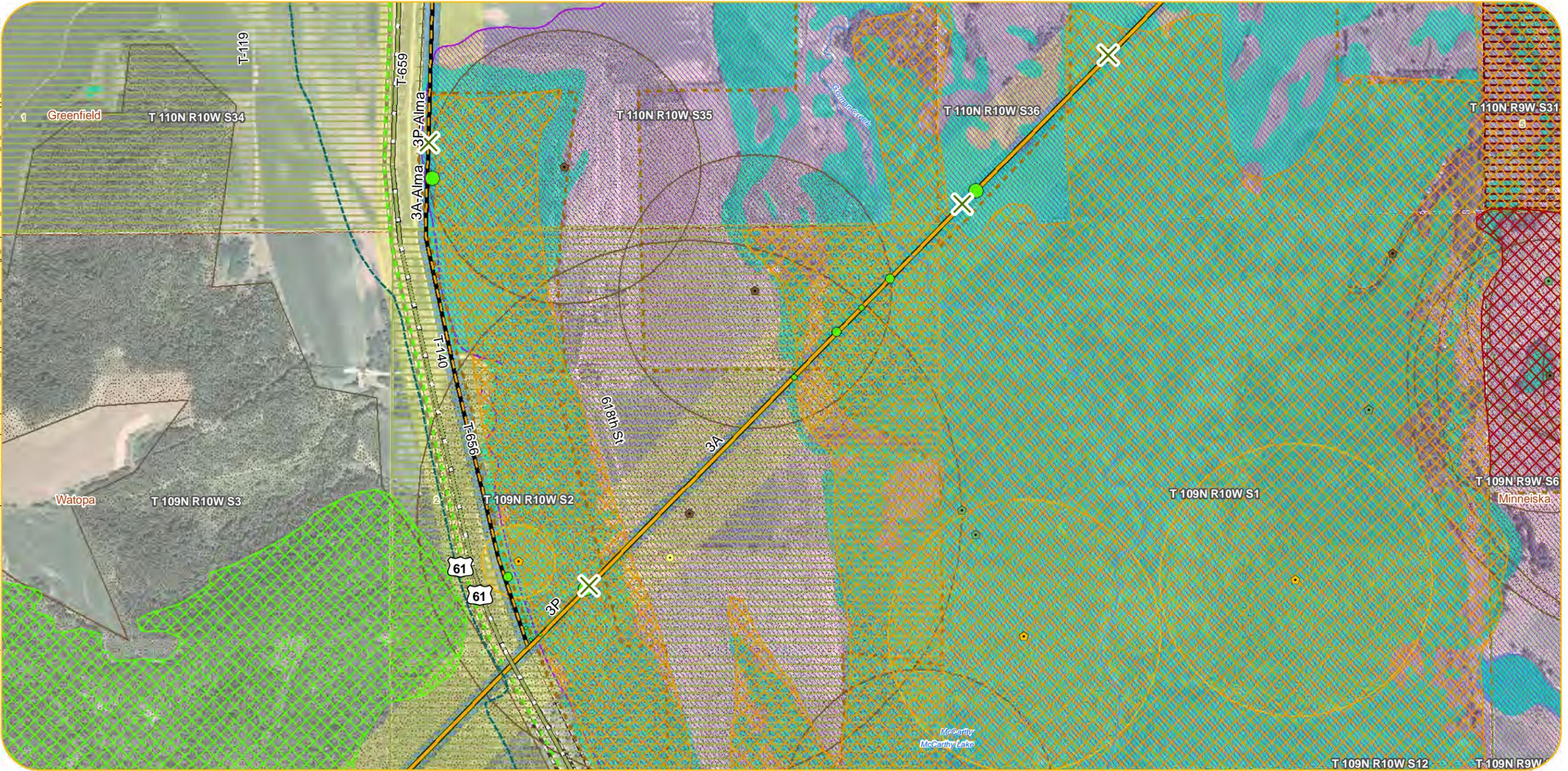


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | | |
| | | Scientific and Natural Area | | |
| | | | | |

Appendix A - Sheet MR21
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

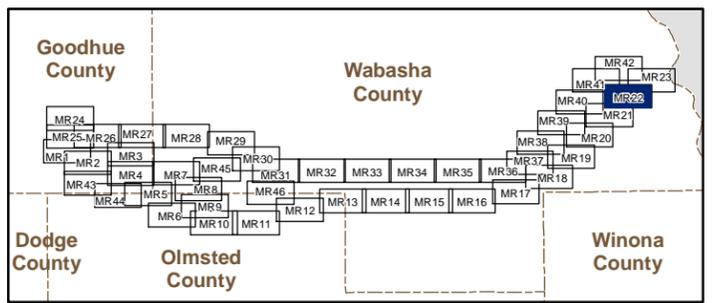


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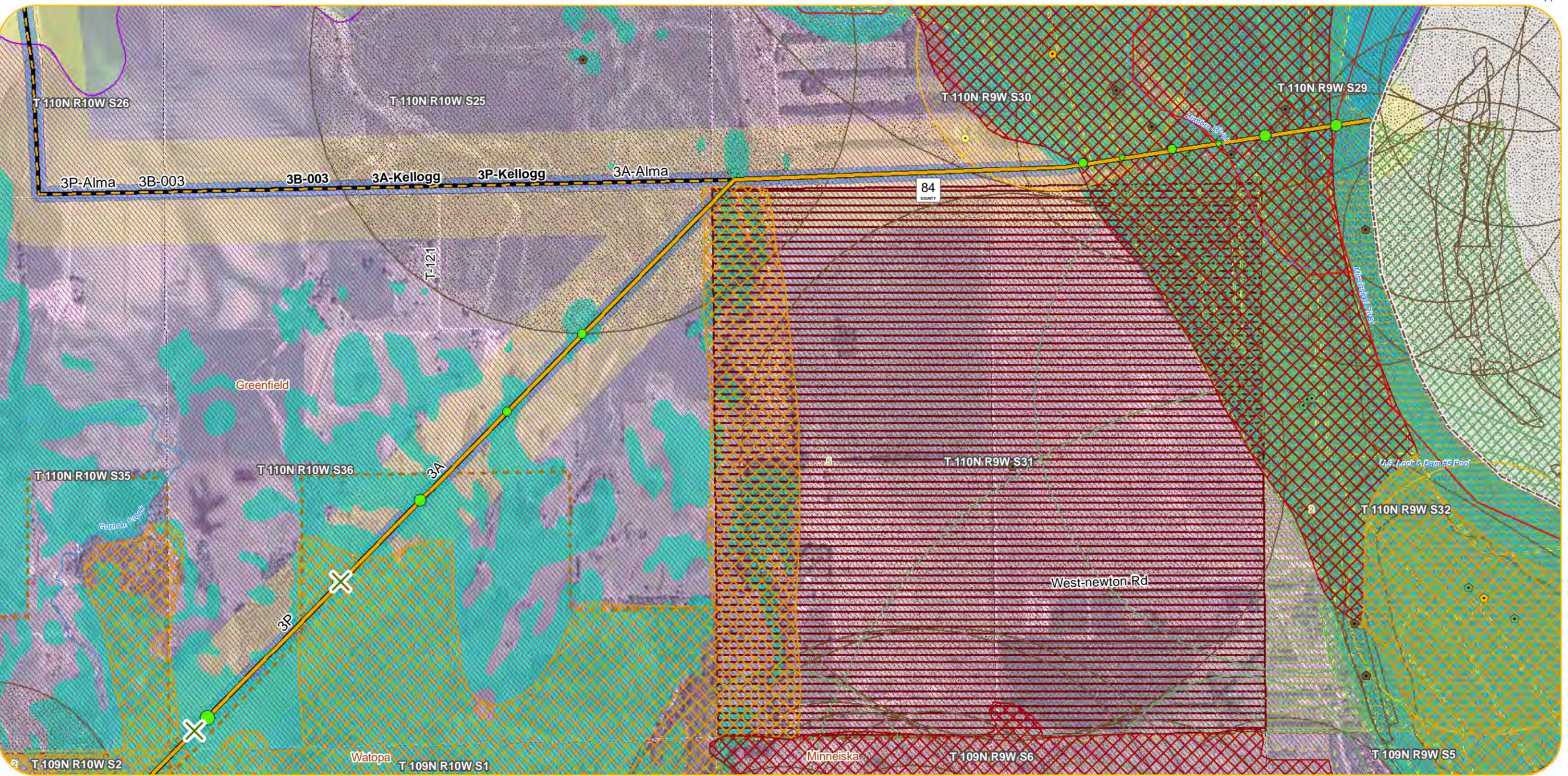


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | | |
| | | Scientific and Natural Area | | |
| | | | | |

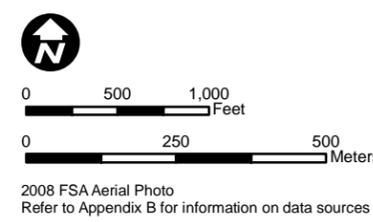
Appendix A - Sheet MR22
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



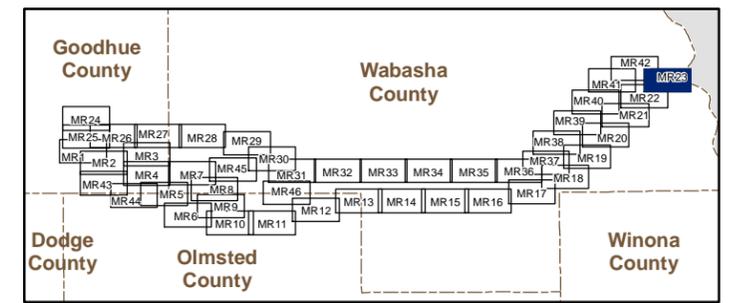
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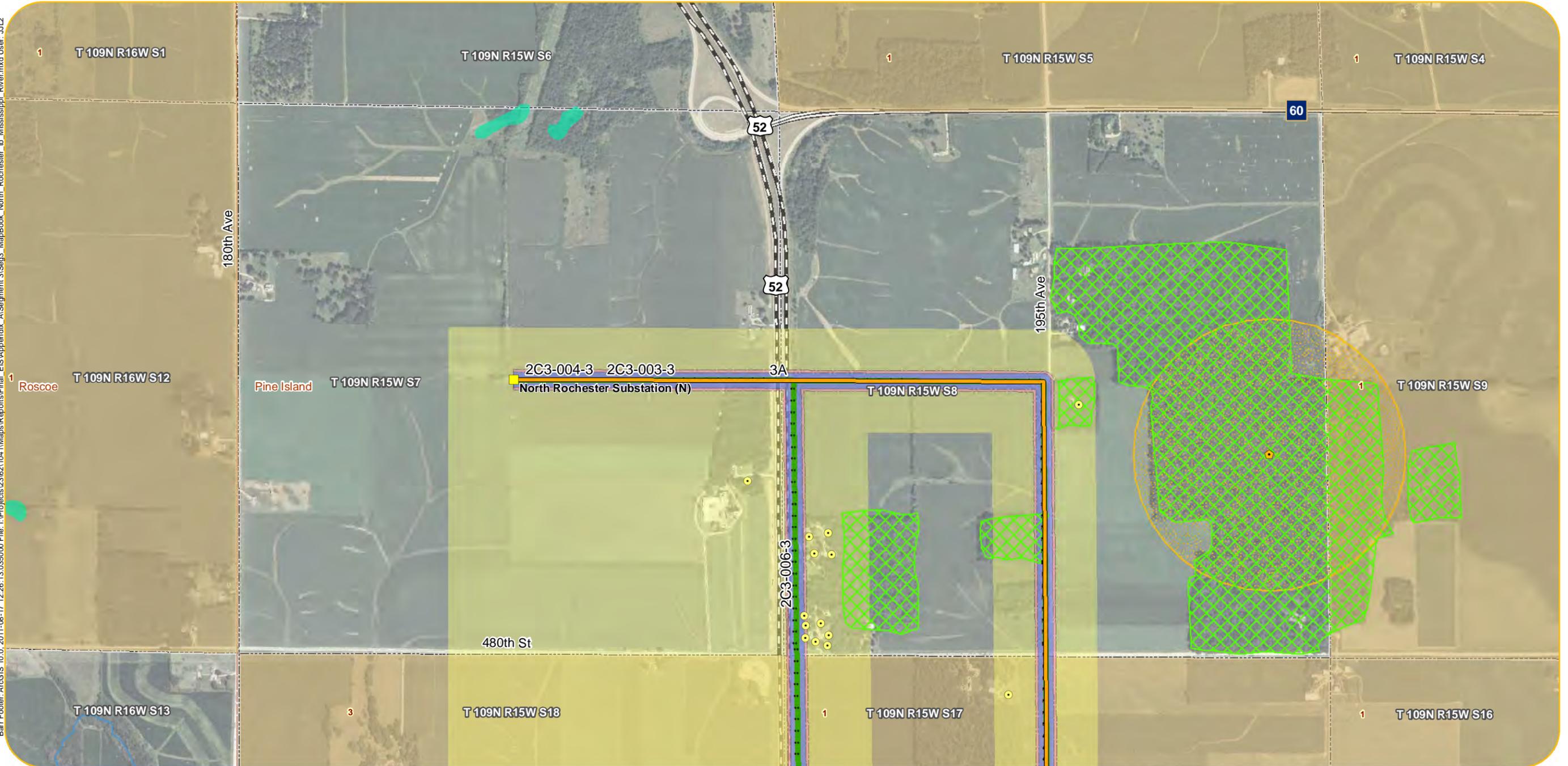
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



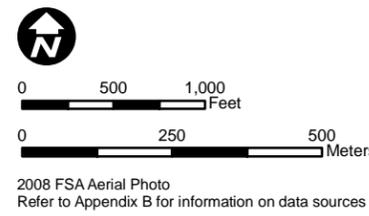
Appendix A - Sheet MR23
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



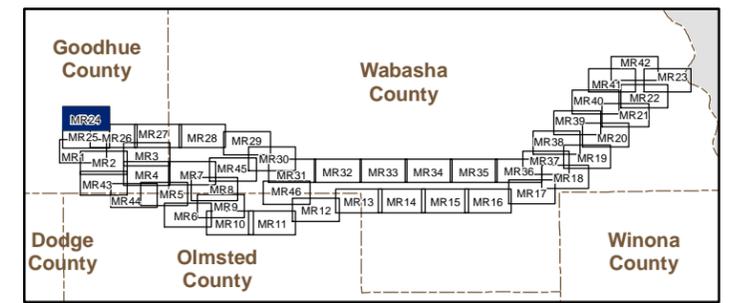
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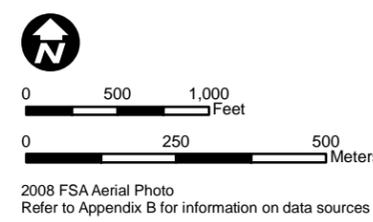
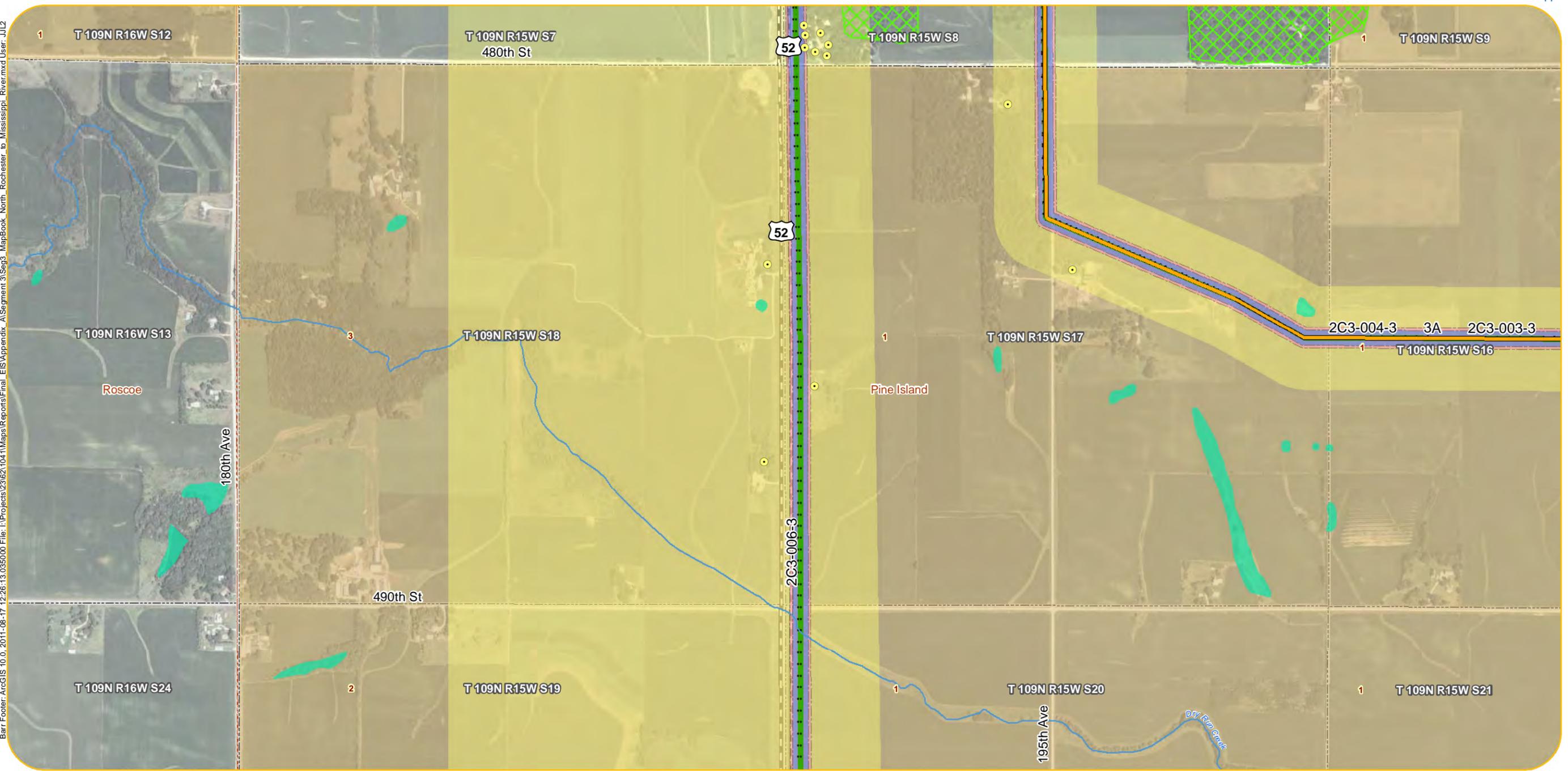
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



Appendix A - Sheet MR24
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

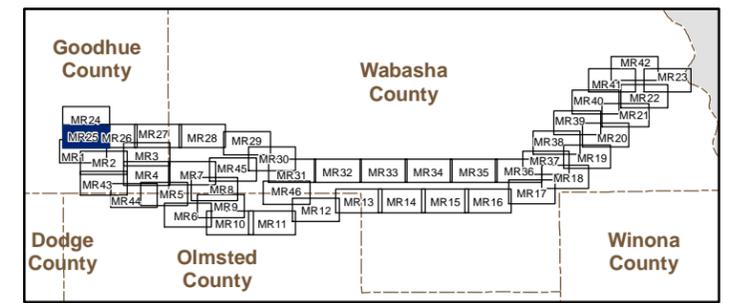


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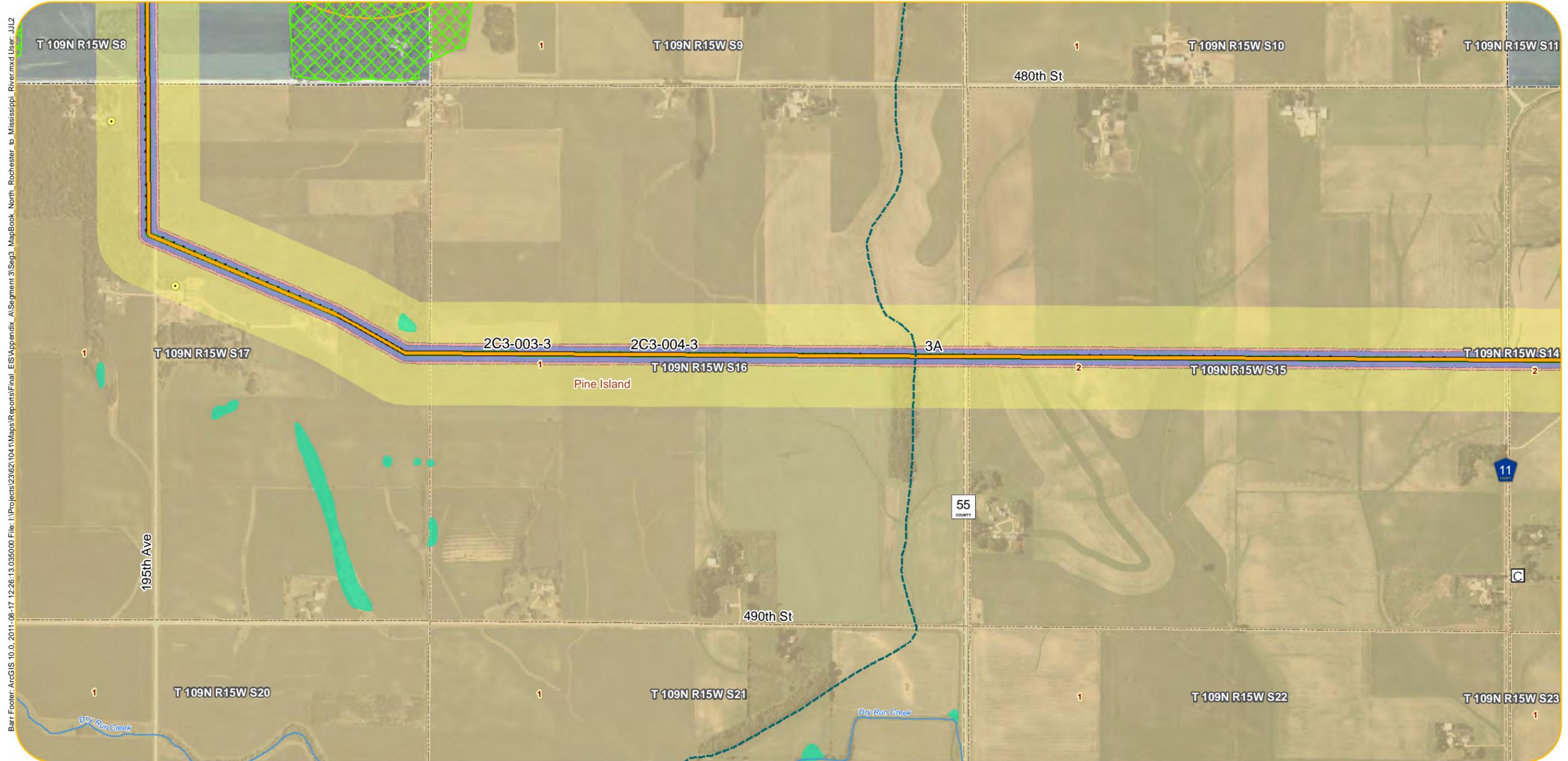


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |

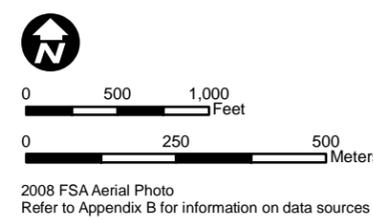
Appendix A - Sheet MR25
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



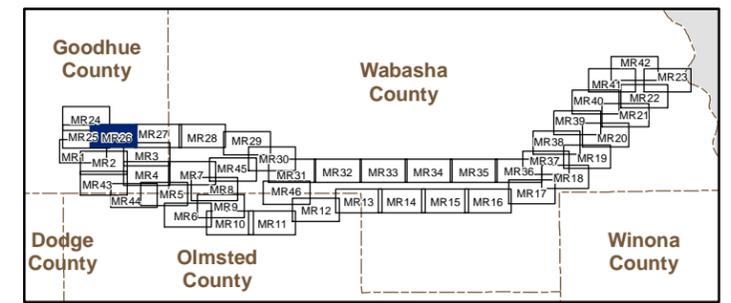
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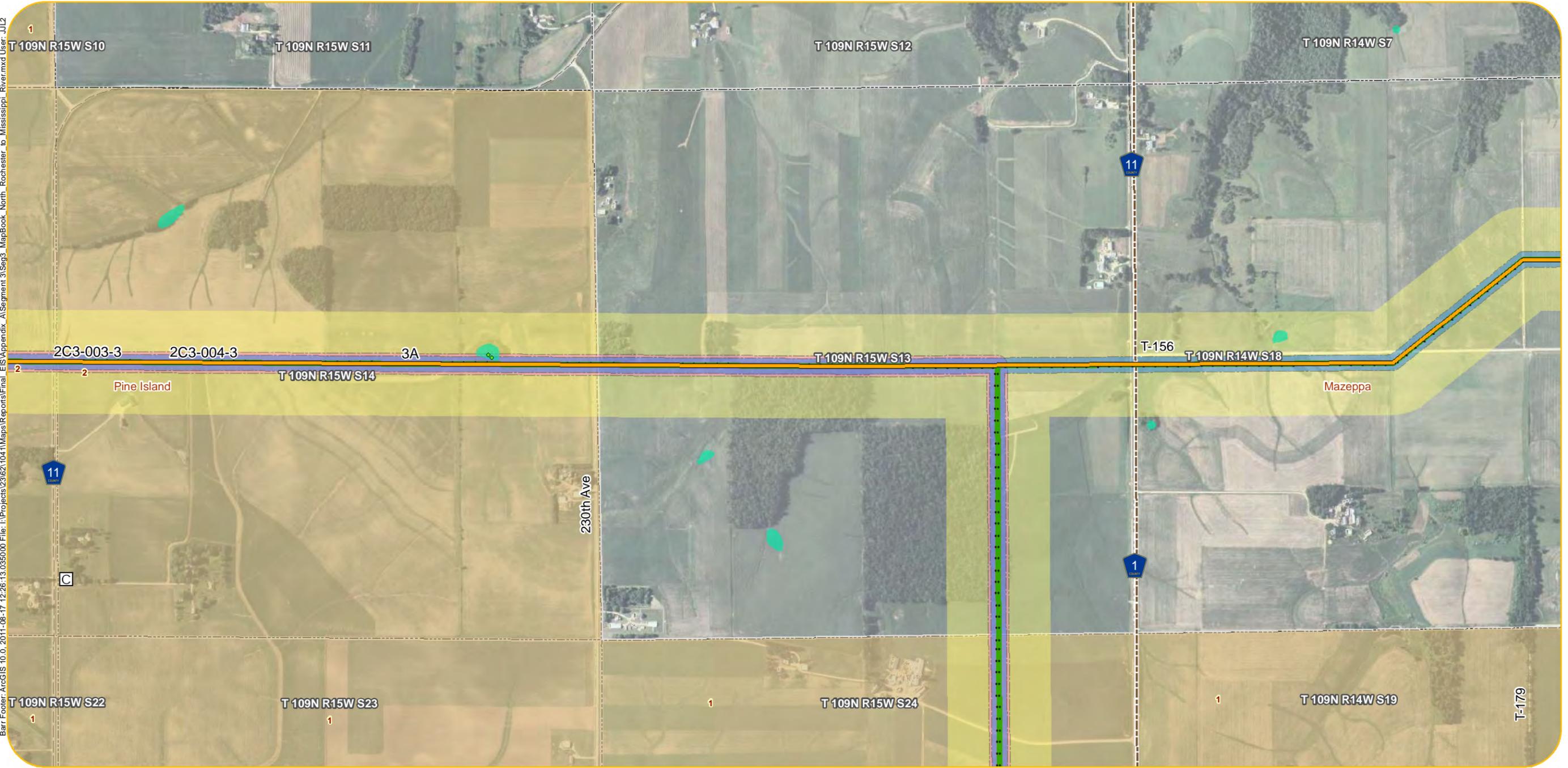
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| <ul style="list-style-type: none"> Original Alignments P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both Parallel Alignment Alignment Alternatives 150-foot ROW 200-foot ROW 1,000-foot Route Width Municipalities Civil Townships Public Land Survey Sections | <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 Wildlife Refuge National Wildlife 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 Pivot Irrigation 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 | <ul style="list-style-type: none"> 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 |
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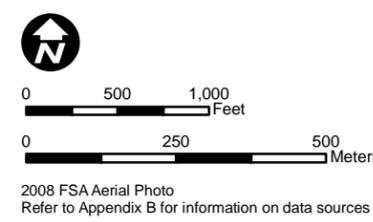
Appendix A - Sheet MR26
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



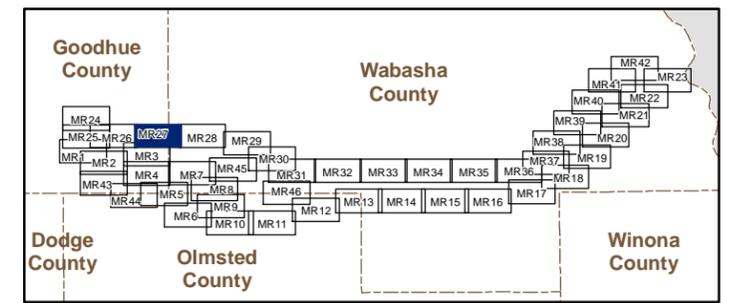
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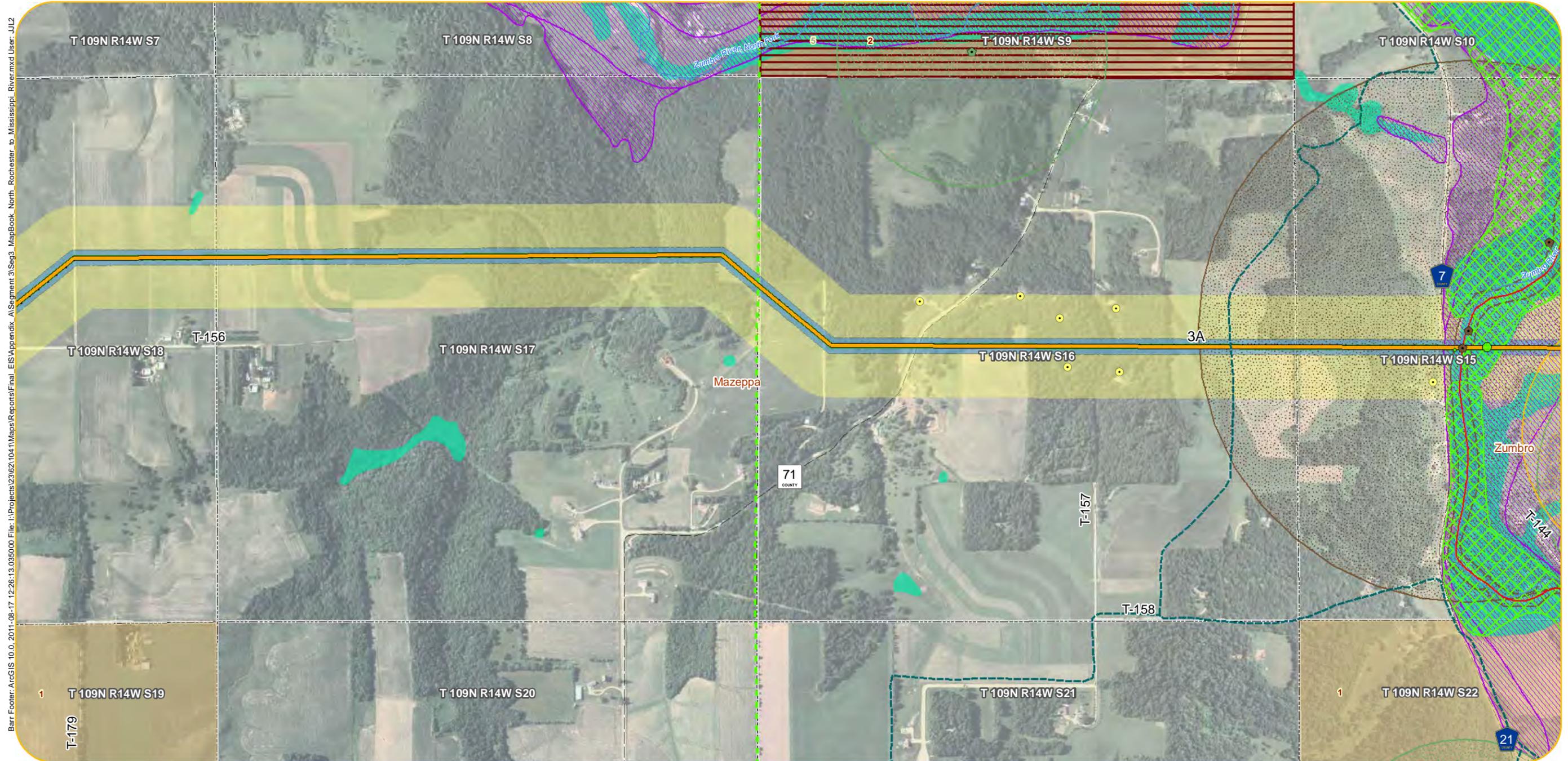
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| <ul style="list-style-type: none"> Original Alignments P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both Parallel Alignment Alignment Alternatives 150-foot ROW 200-foot ROW 1,000-foot Route Width Municipalities Civil Townships Public Land Survey Sections | <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 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 Pivot Irrigation 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 | <ul style="list-style-type: none"> 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 |
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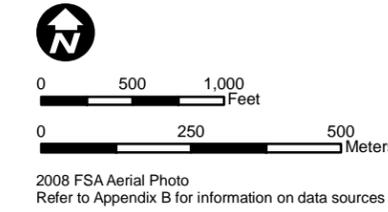
Appendix A - Sheet MR27
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



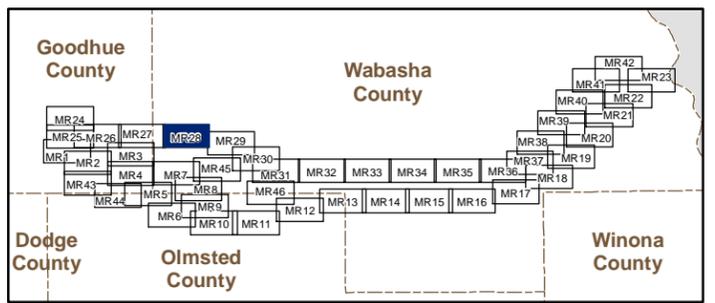
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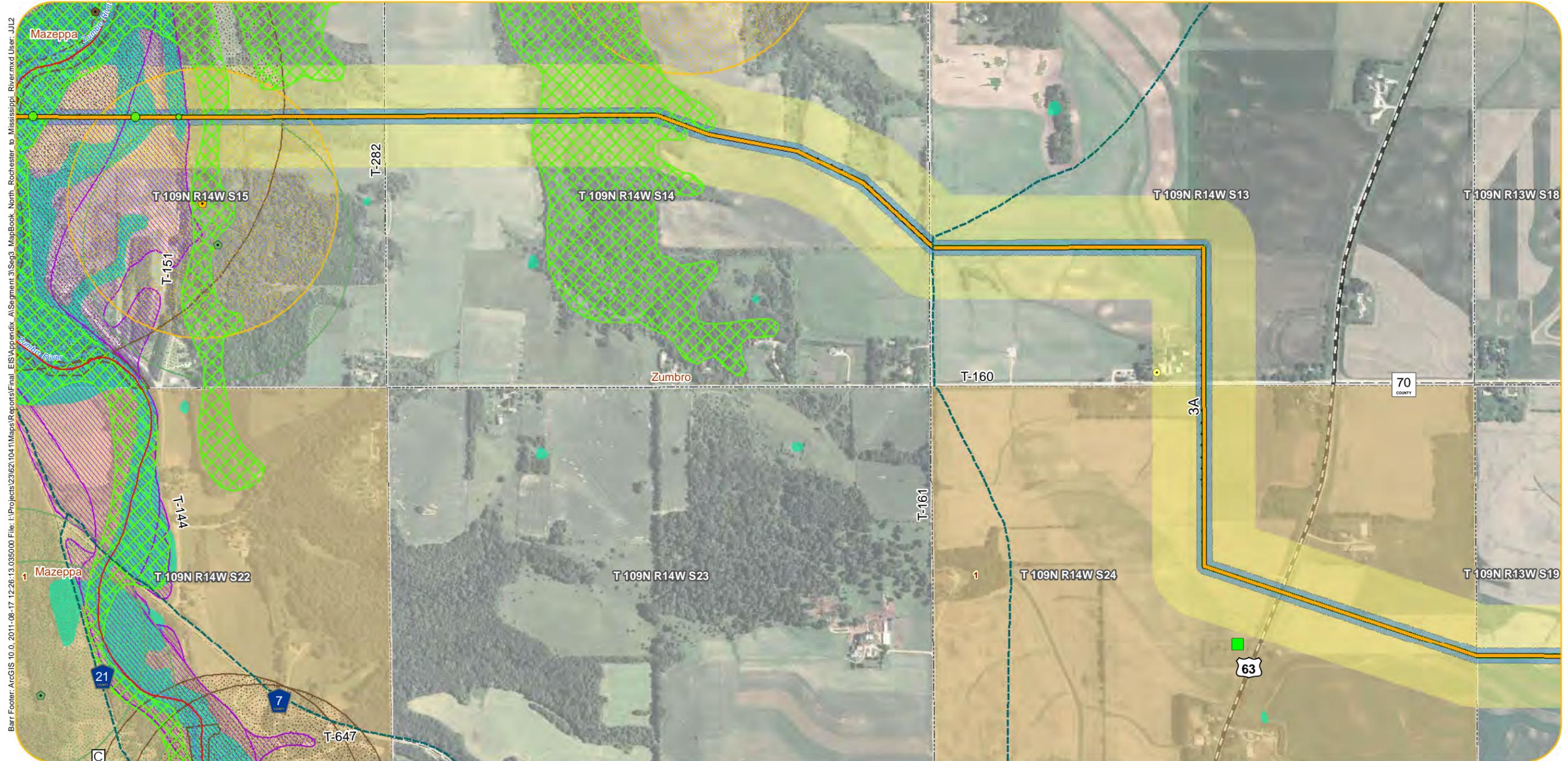


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| <ul style="list-style-type: none"> Original Alignments P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both Parallel Alignment Alignment Alternatives 150-foot ROW 200-foot ROW 1,000-foot Route Width Municipalities Civil Townships Public Land Survey Sections | <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 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 Pivot Irrigation 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 | <ul style="list-style-type: none"> 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 |
|--|---|---|--|---|



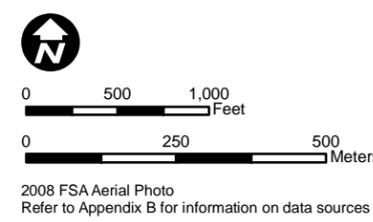
Appendix A - Sheet MR28
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



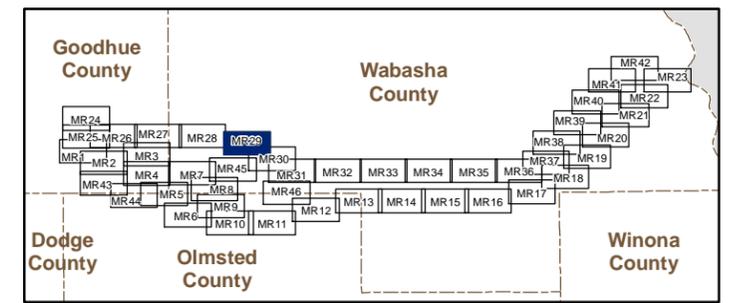


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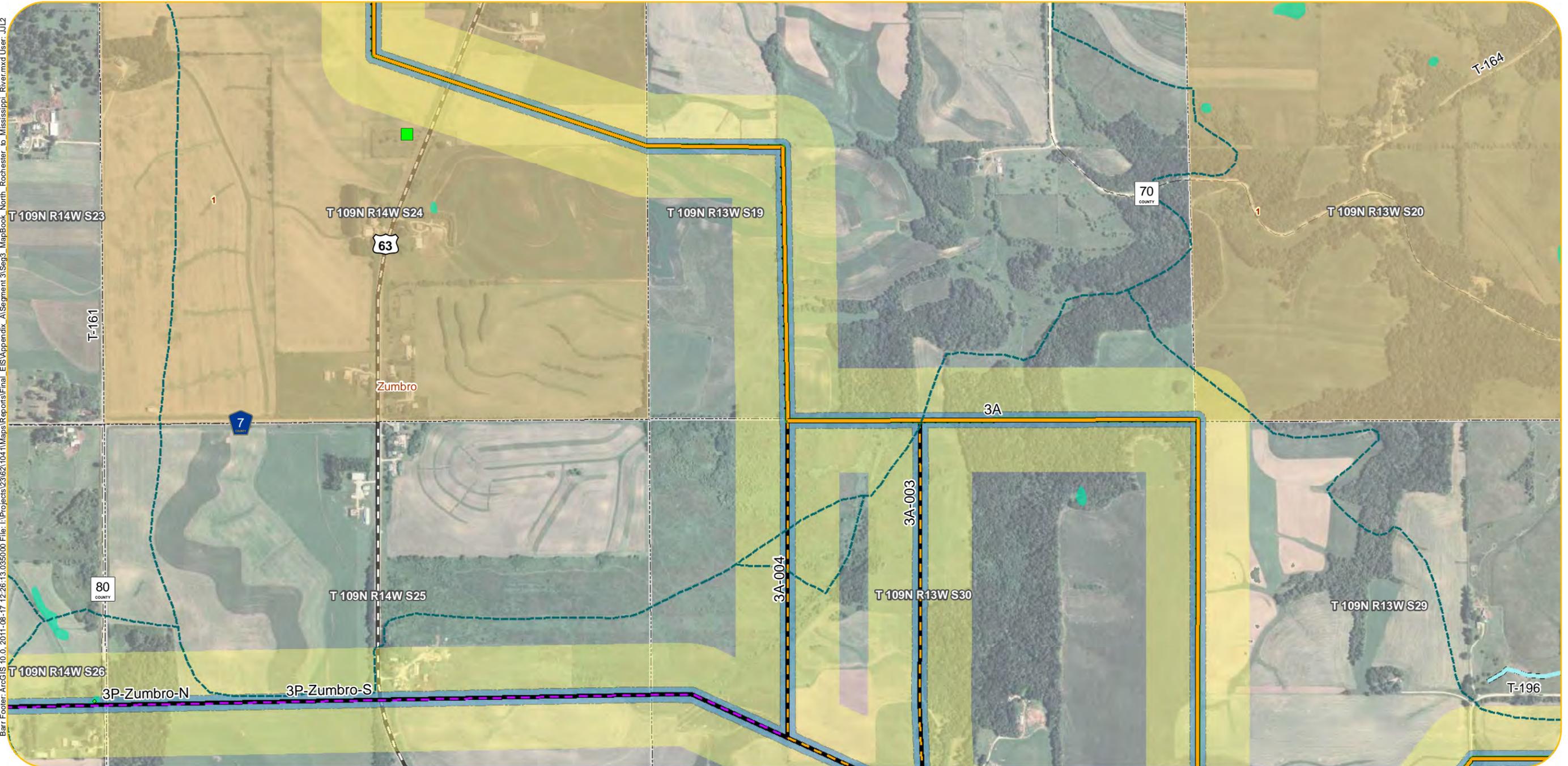
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |



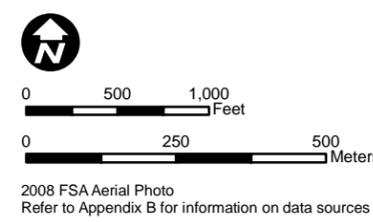
Appendix A - Sheet MR29
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



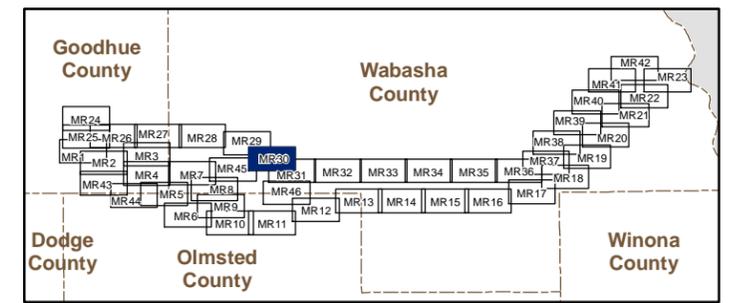
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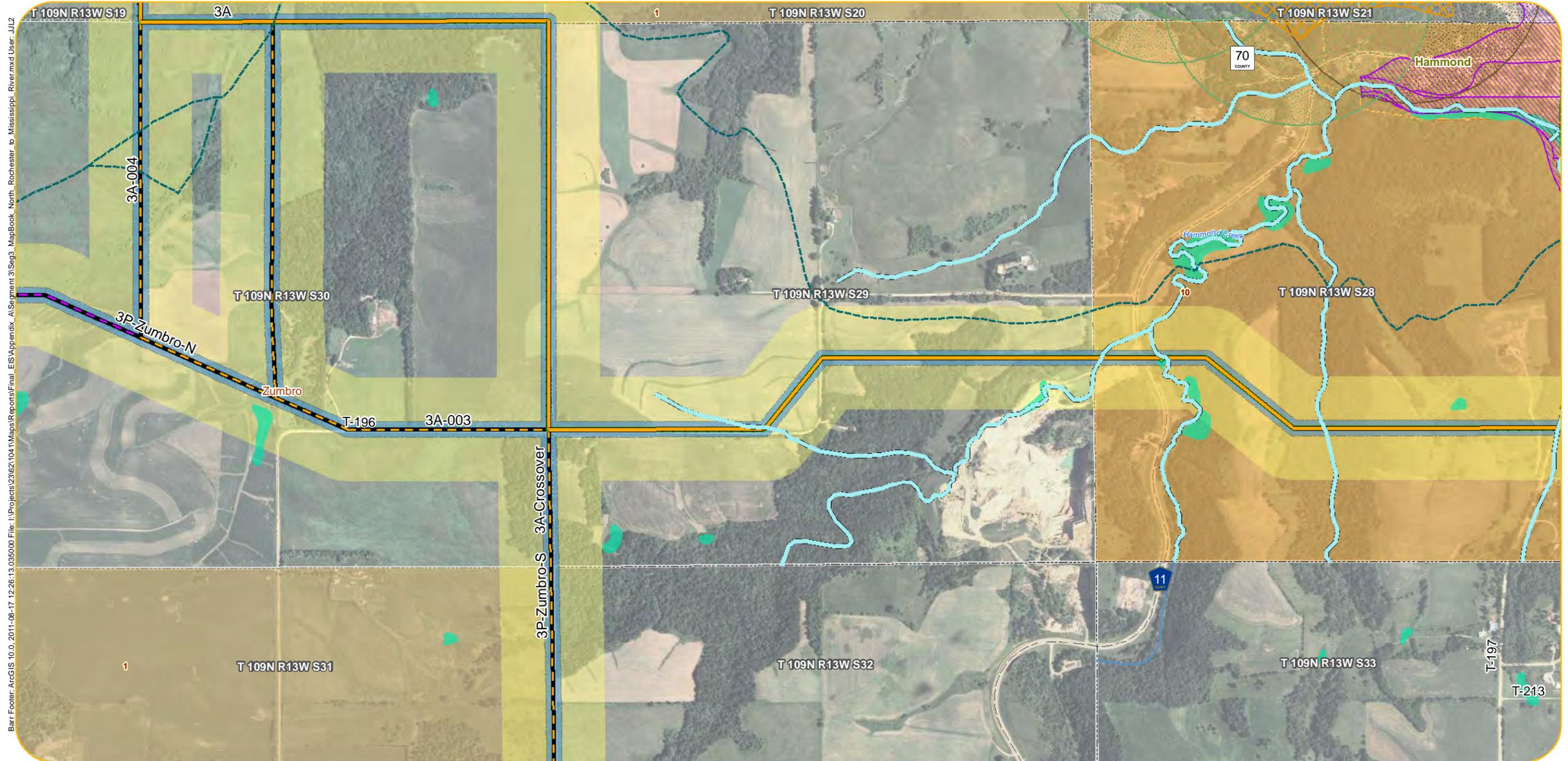


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



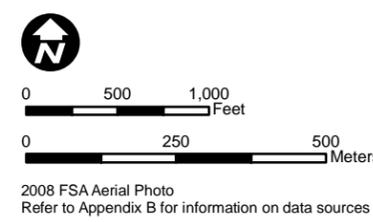
Appendix A - Sheet MR30
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



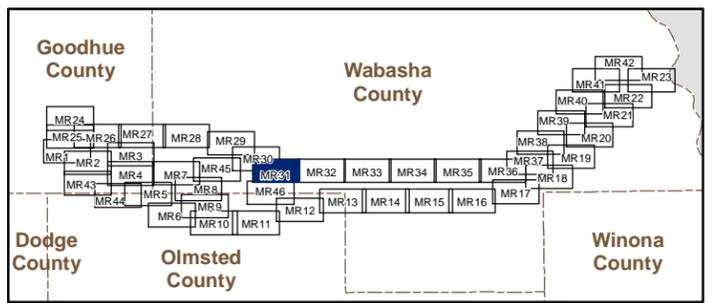


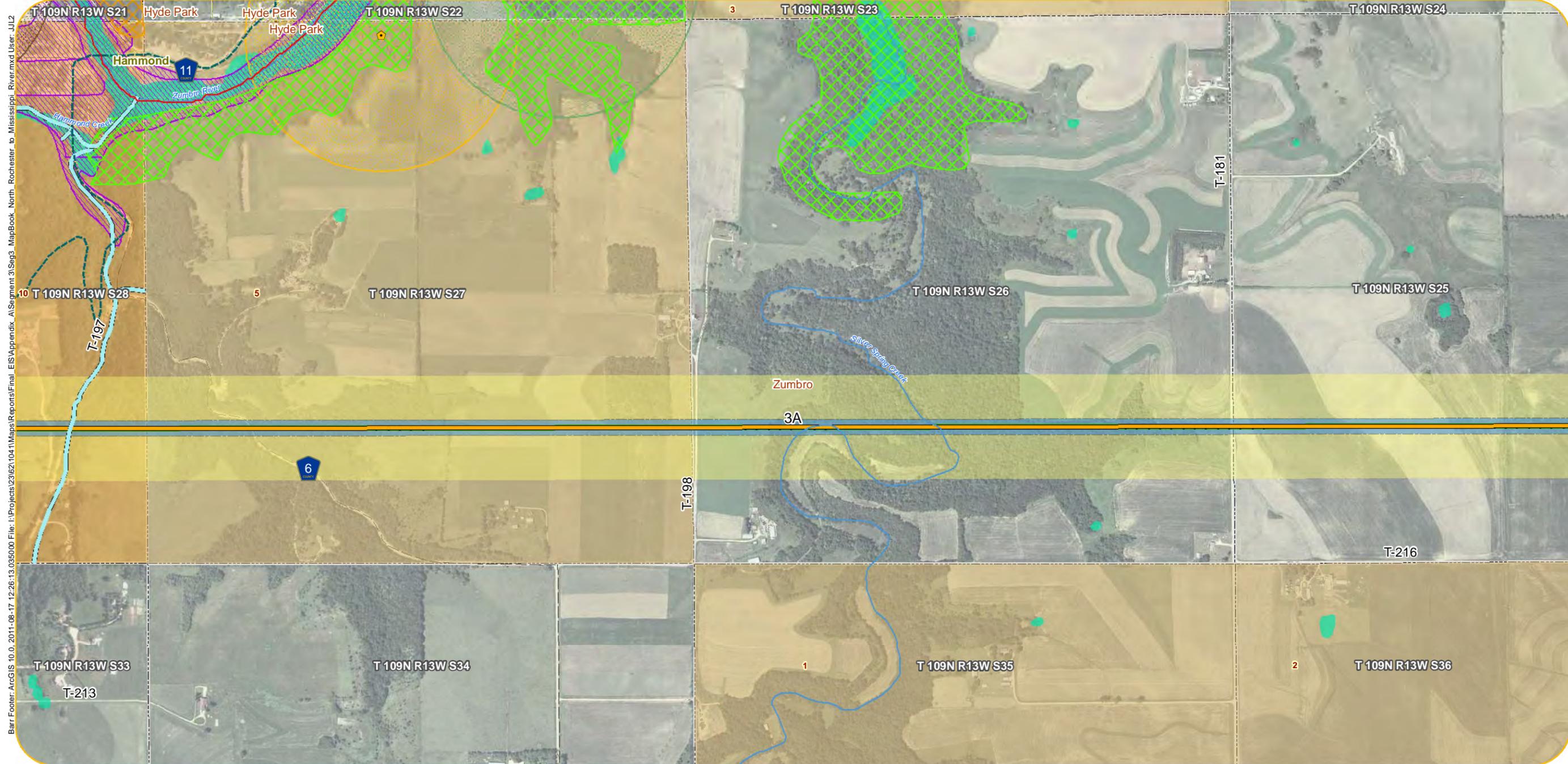
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | National Fish Hatchery | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Wildlife Refuge | Wild | 3 - 4 |
| 150-foot ROW | Airport | Waterfowl Production Area | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | Moderate Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | High Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | Outstanding Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Wildlife Management Area | NWI Wetlands | |
| Survey Sections | | Scientific and Natural Area | Wetland Crossings > 1,000 Feet | |



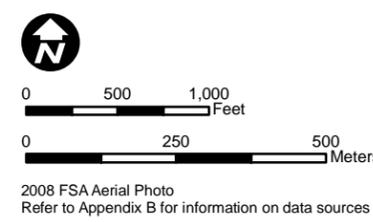
Appendix A - Sheet MR31
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



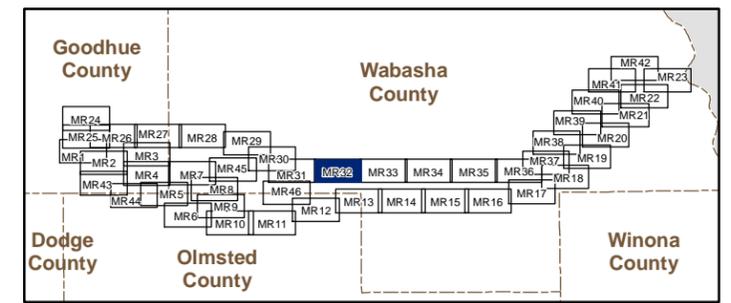


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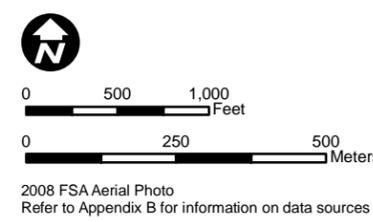
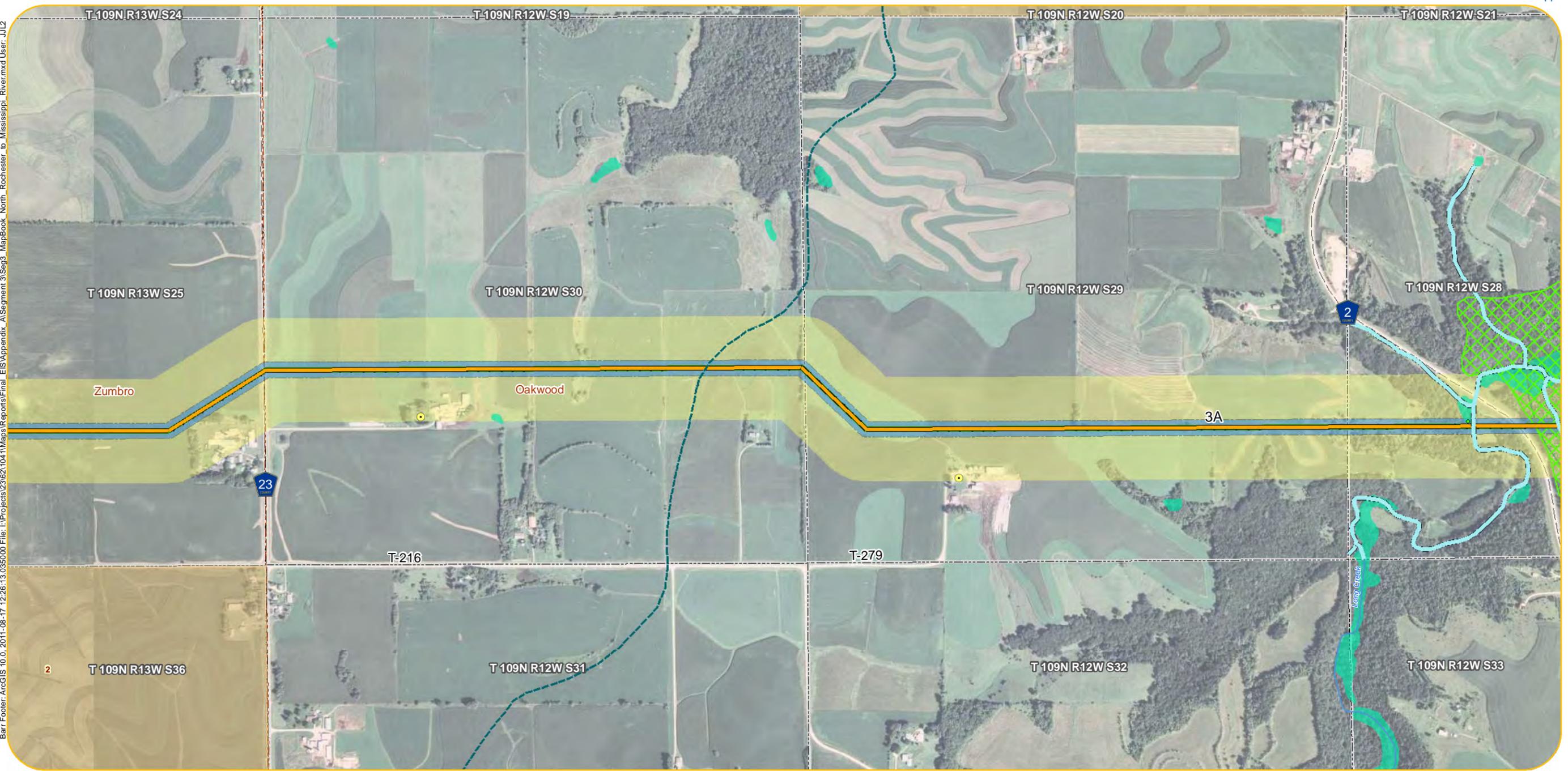
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |



Appendix A - Sheet MR32
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

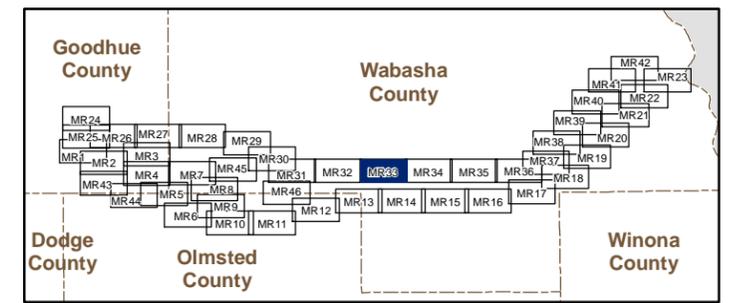


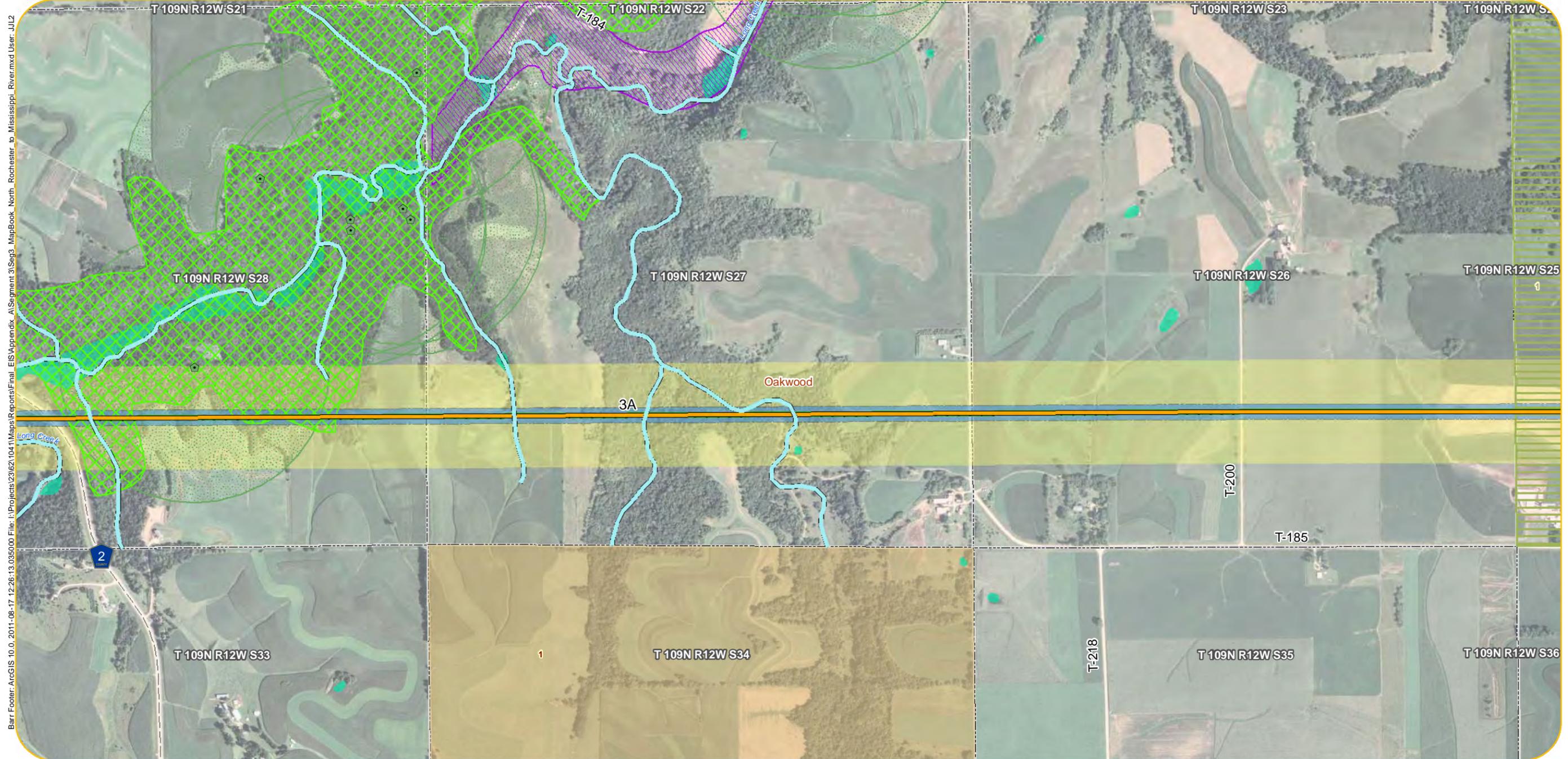
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |

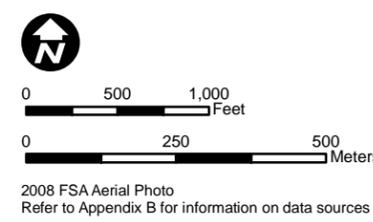
Appendix A - Sheet MR33
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



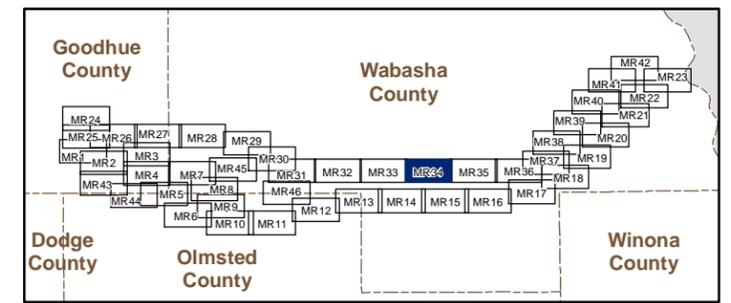


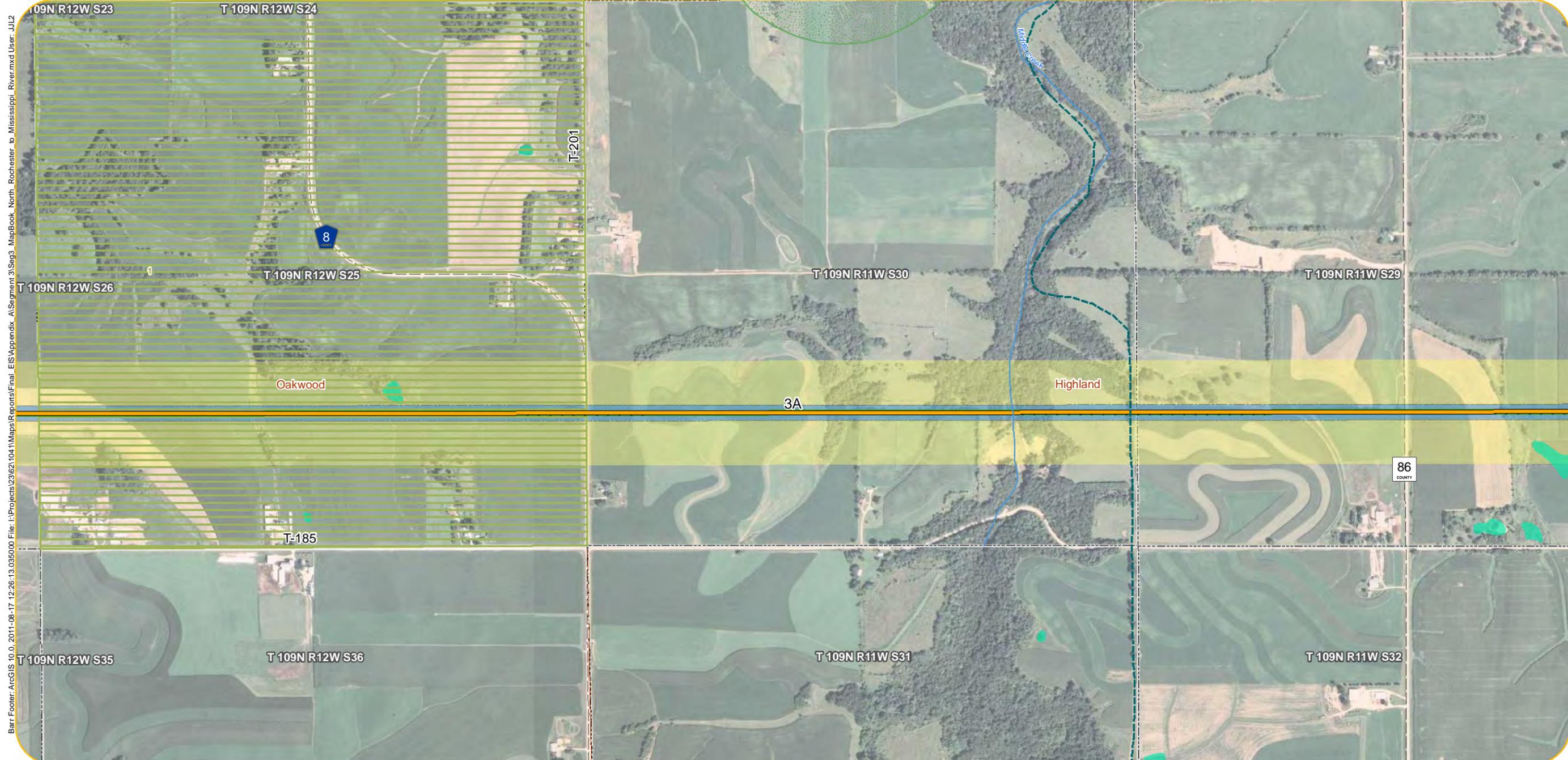
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |



Appendix A - Sheet MR34
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

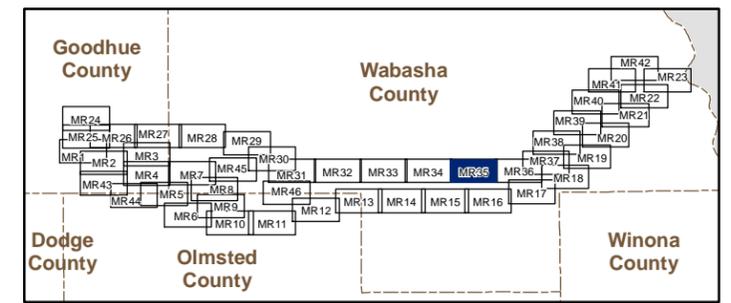




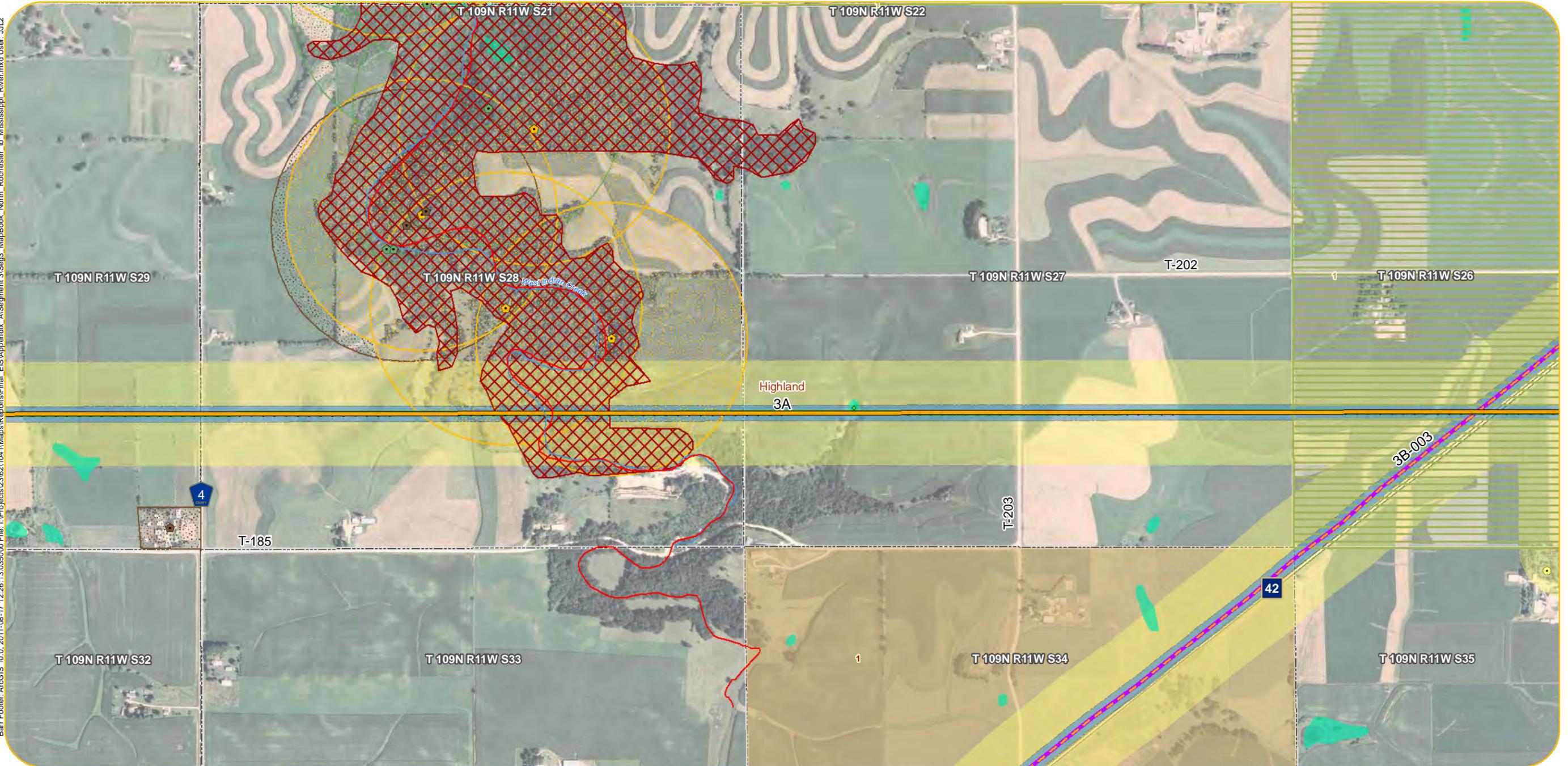
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |

Appendix A - Sheet MR35
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

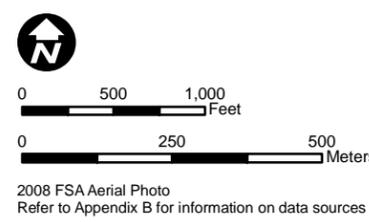
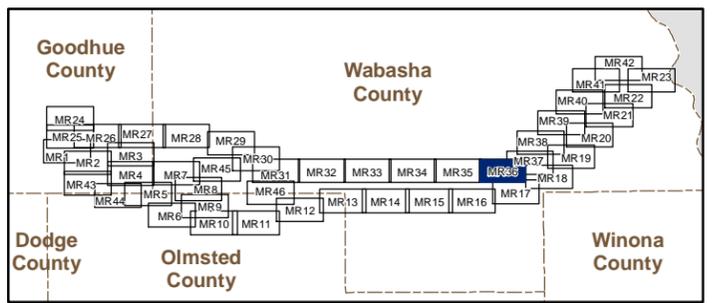


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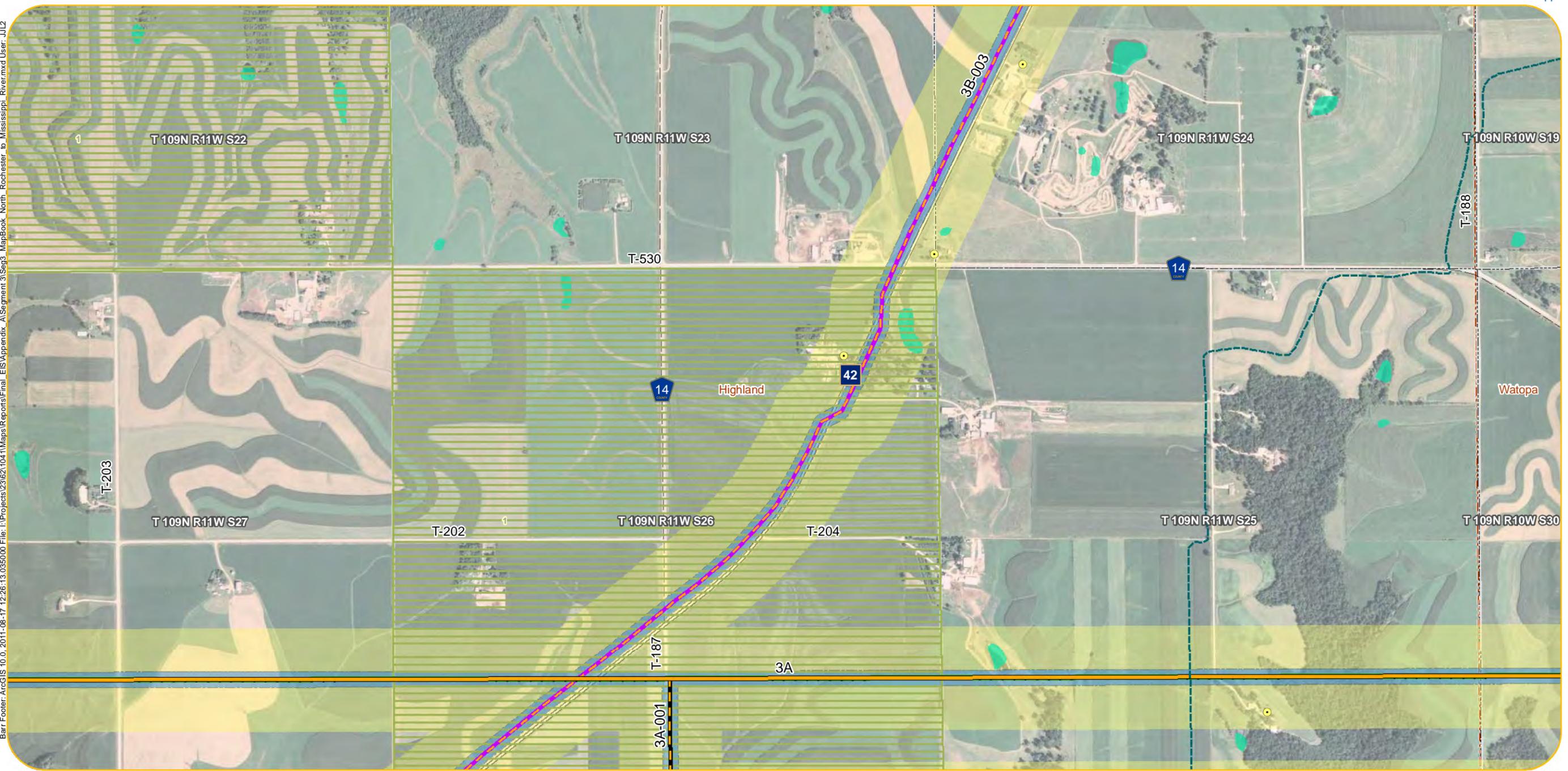


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |

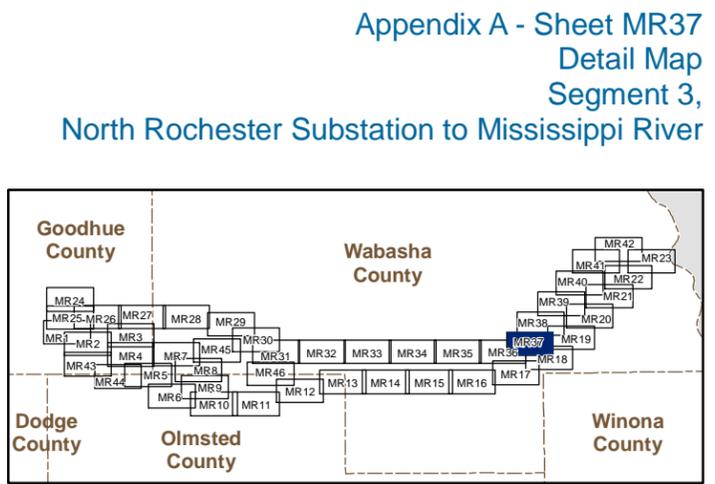
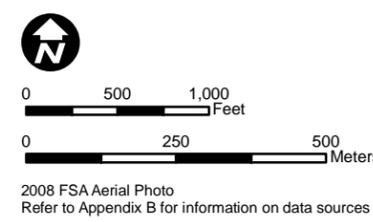
Appendix A - Sheet MR36
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



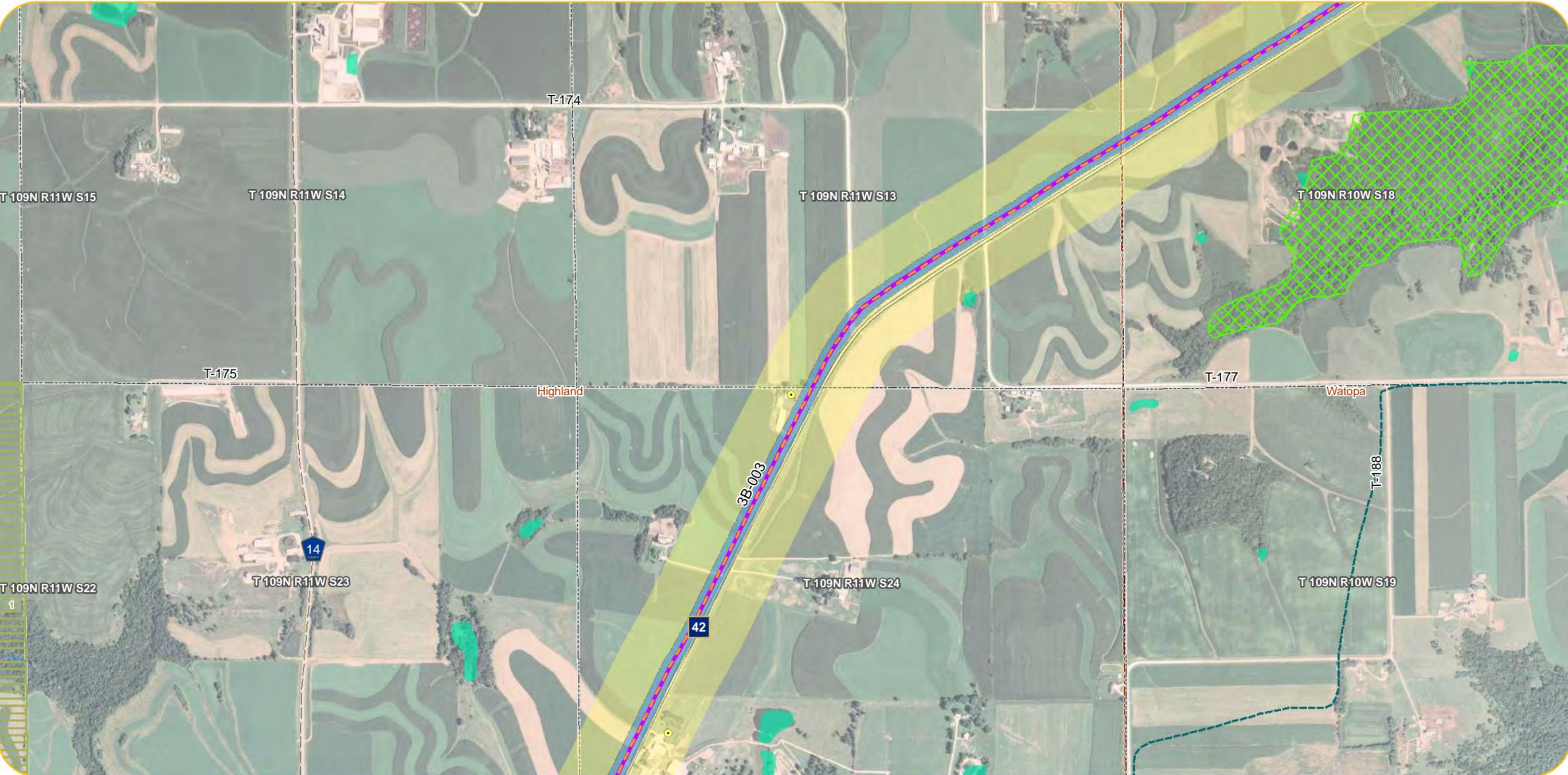
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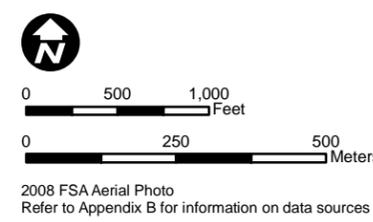
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| <ul style="list-style-type: none"> Original Alignments P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both Parallel Alignment Alignment Alternatives 150-foot ROW 200-foot ROW 1,000-foot Route Width Municipalities Civil Townships Public Land Survey Sections | <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 Wildlife Refuge National Fish Hatchery 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 Pivot Irrigation 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 | <ul style="list-style-type: none"> 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 |
|--|---|---|--|---|



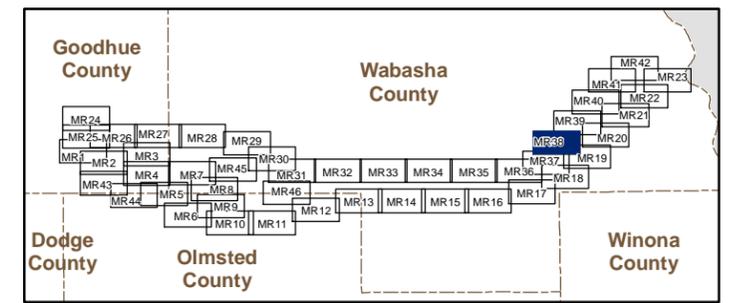
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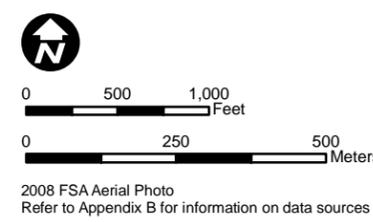
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



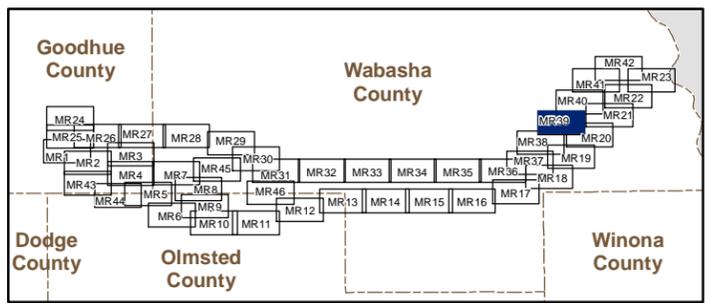
Appendix A - Sheet MR38
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



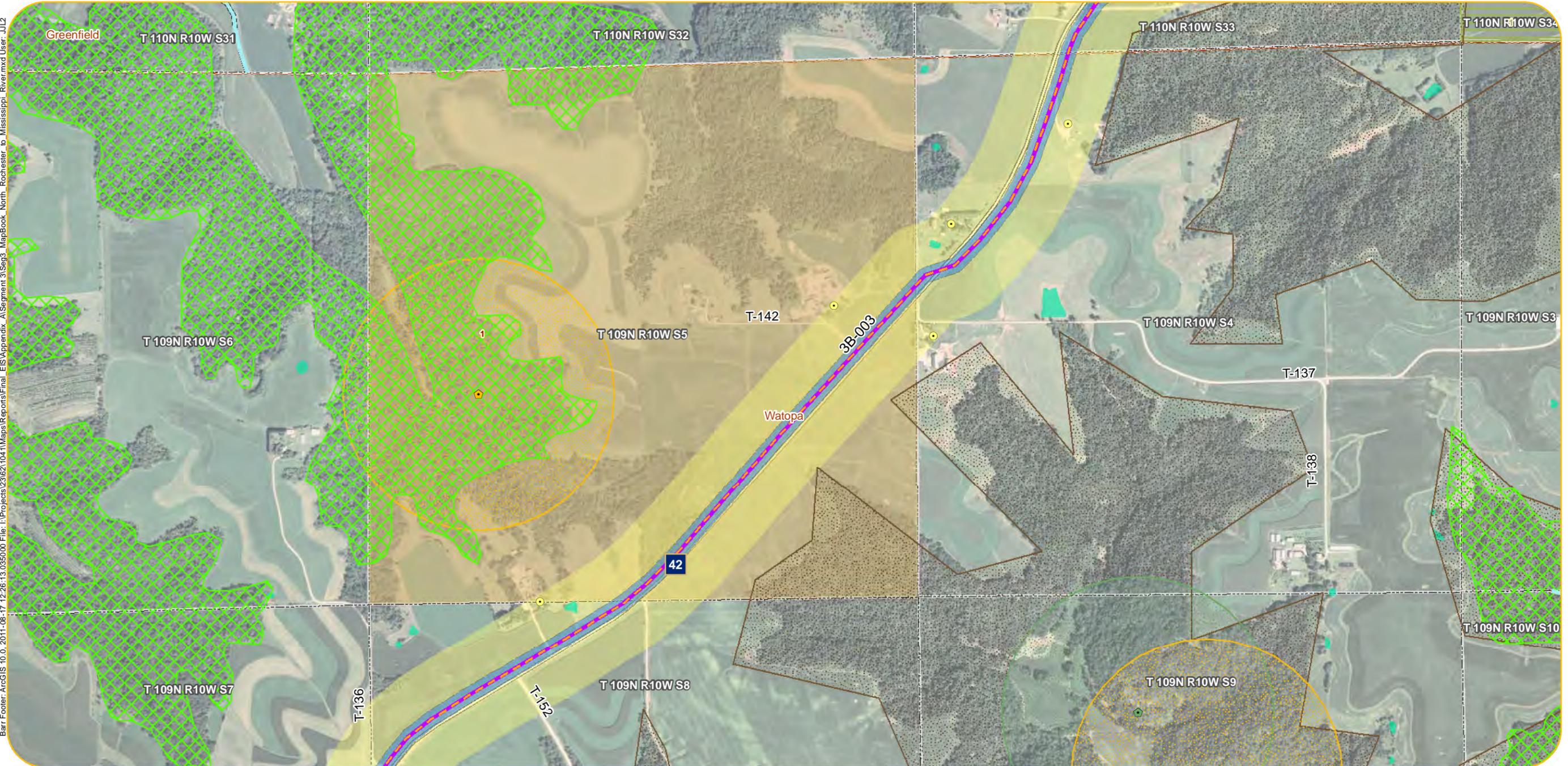
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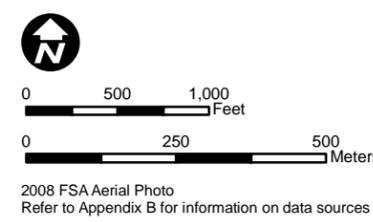
Appendix A - Sheet MR39
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



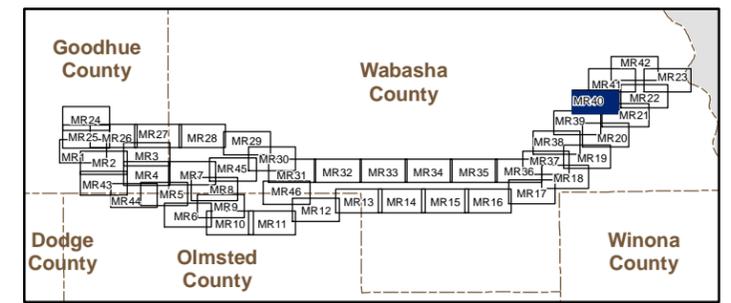
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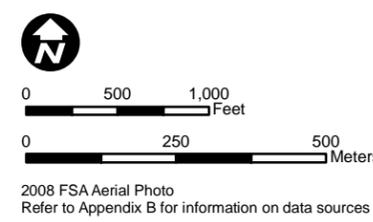
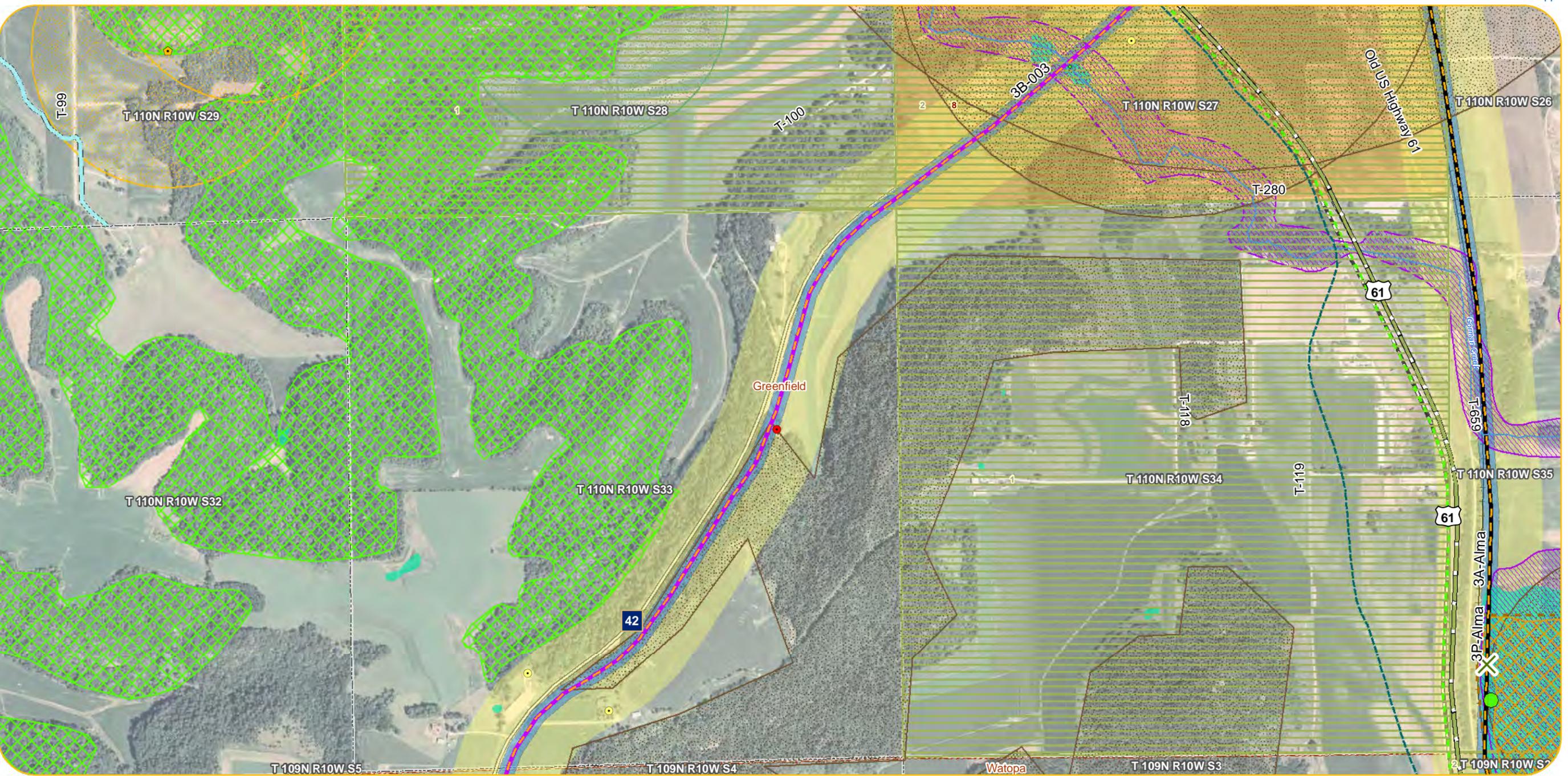
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |



Appendix A - Sheet MR40
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

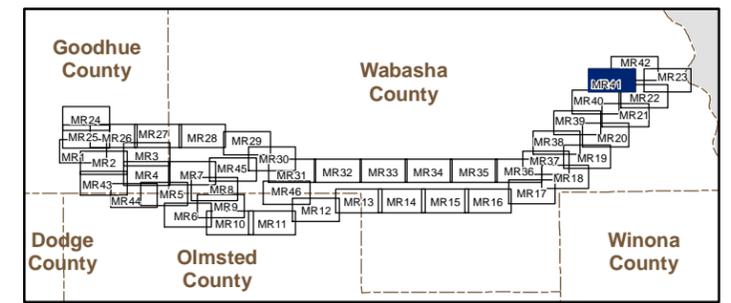


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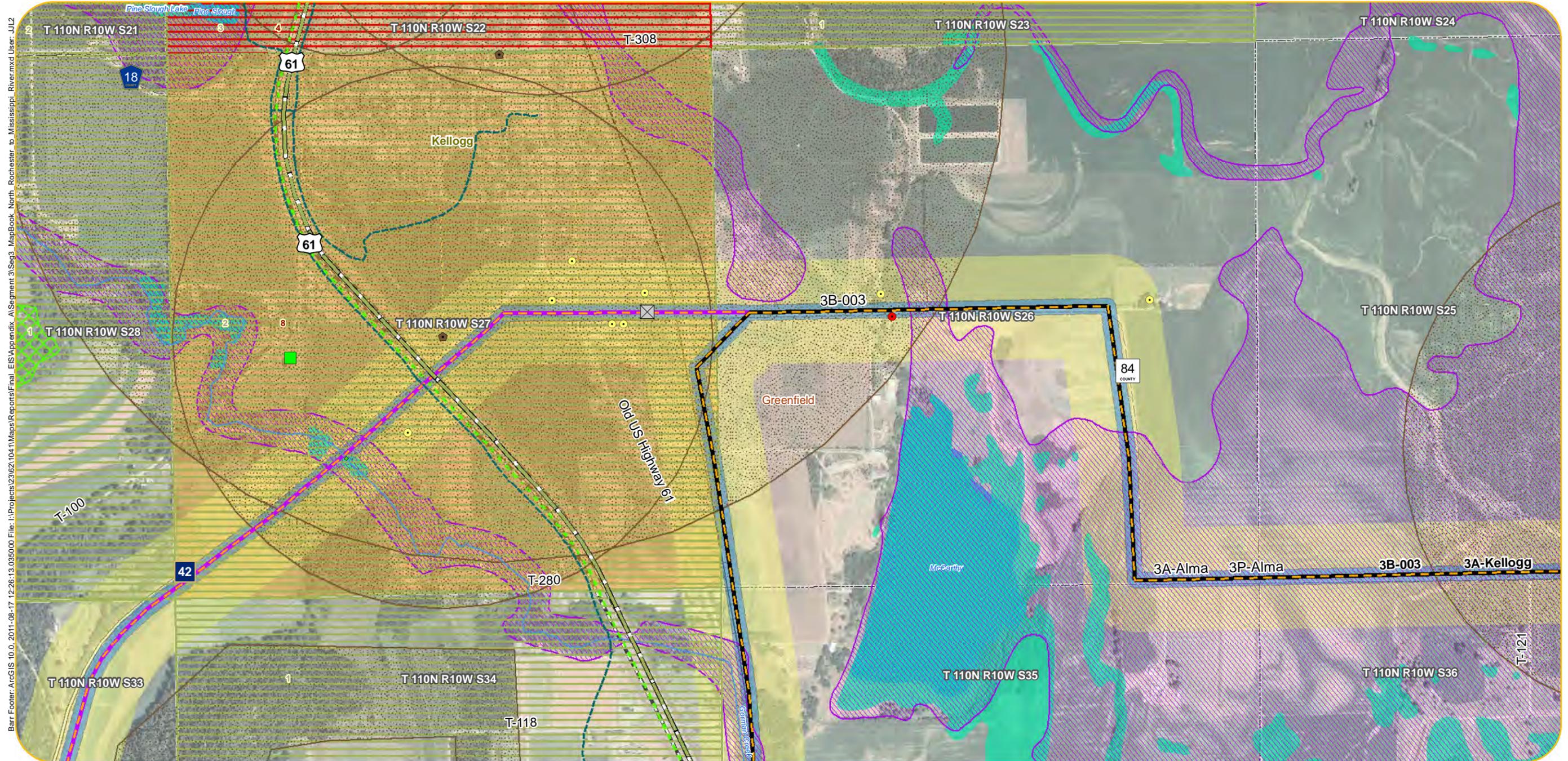


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |

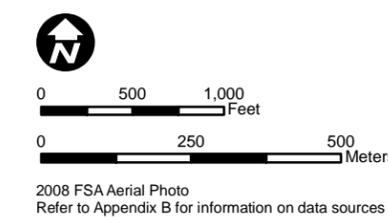
Appendix A - Sheet MR41
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



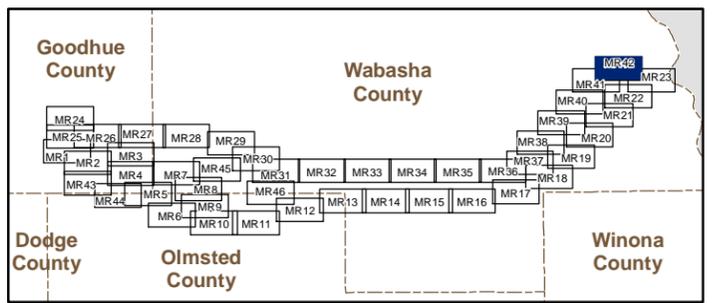
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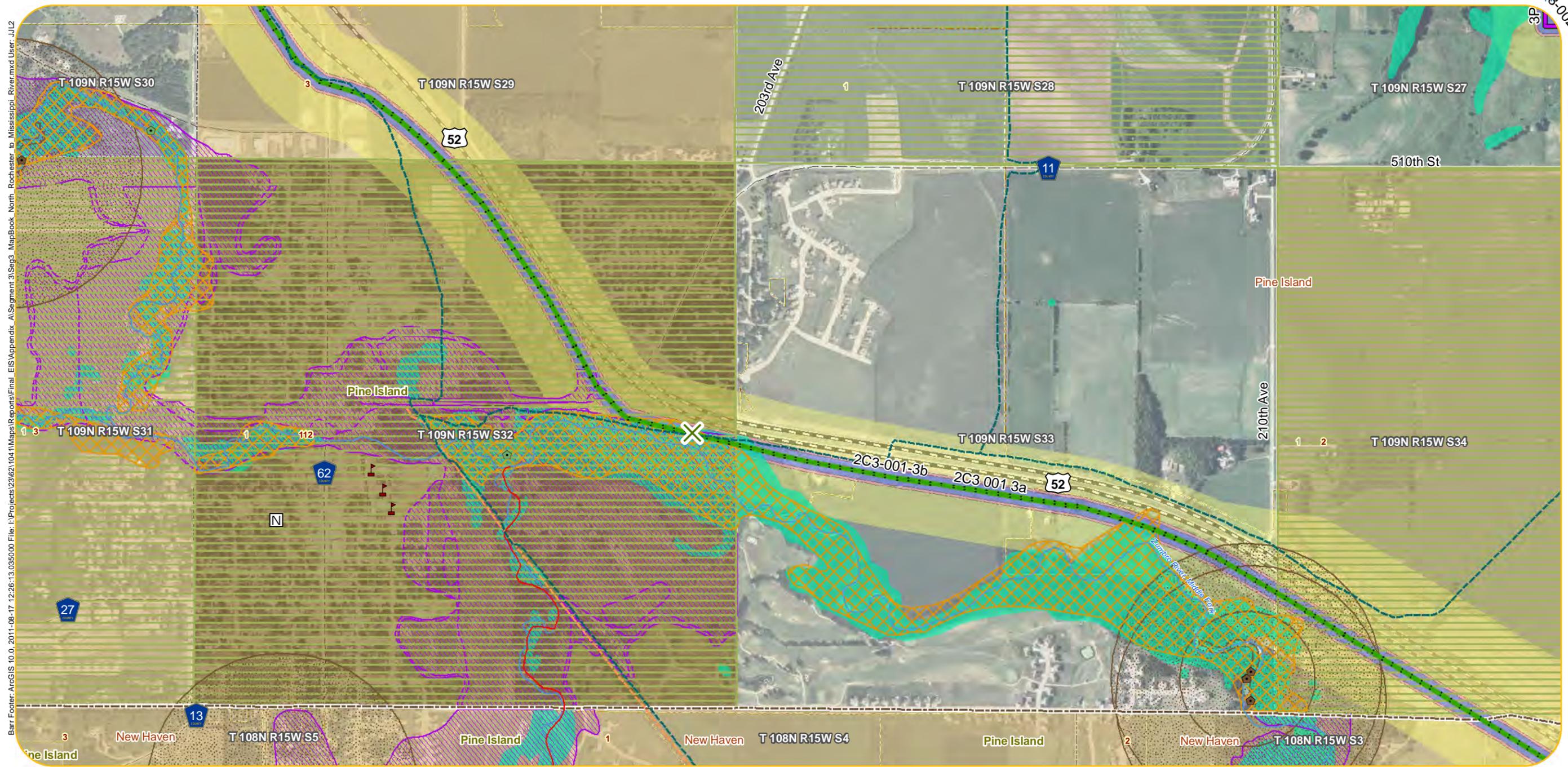
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |



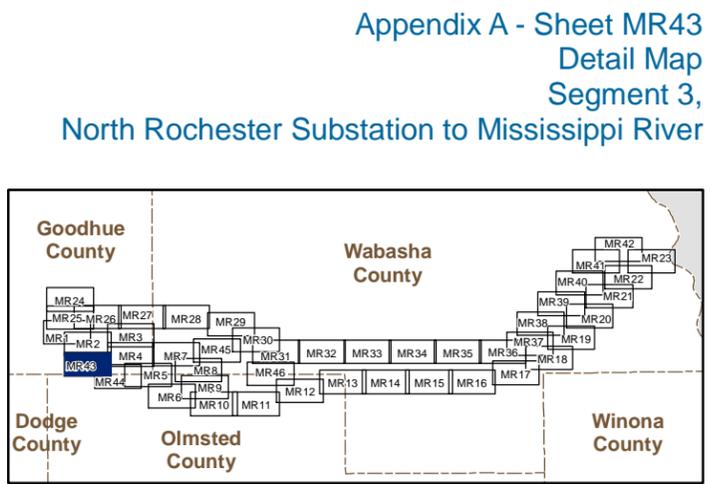
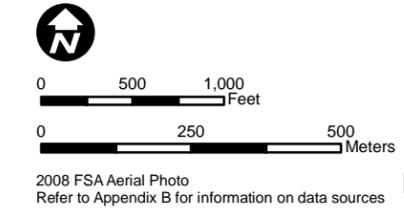
Appendix A - Sheet MR42
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

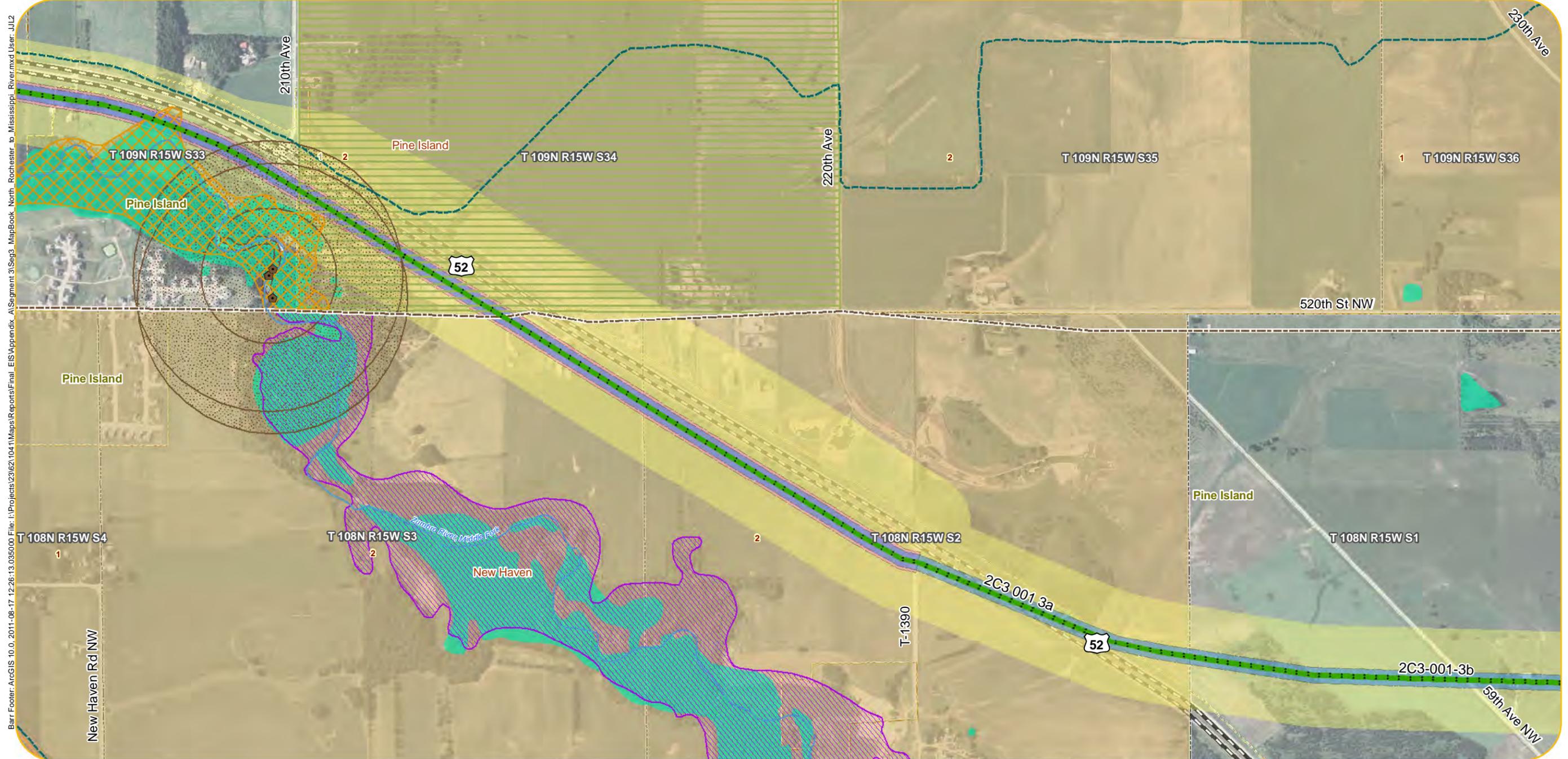


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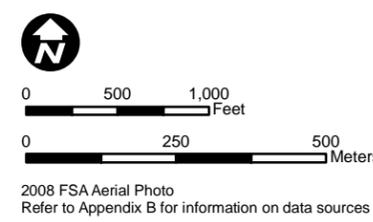
<p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both Parallel Alignment Alignment Alternatives 150-foot ROW 200-foot ROW 1,000-foot Route Width Municipalities Civil Townships Public Land Survey Sections 	<p>Project Substations</p> <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 Pivot Irrigation 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"> 1 - 5 6 - 20 21 - 164
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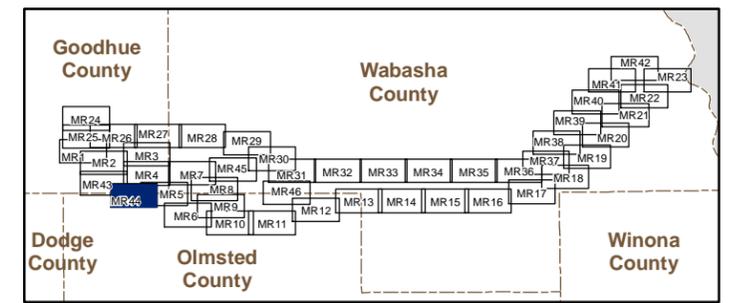
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | MN DNR Natural Heritage | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | Botanical | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Ecological | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Zoological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |

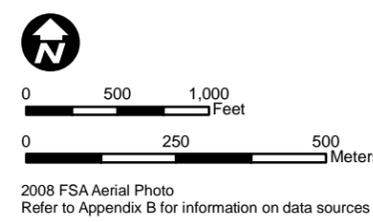
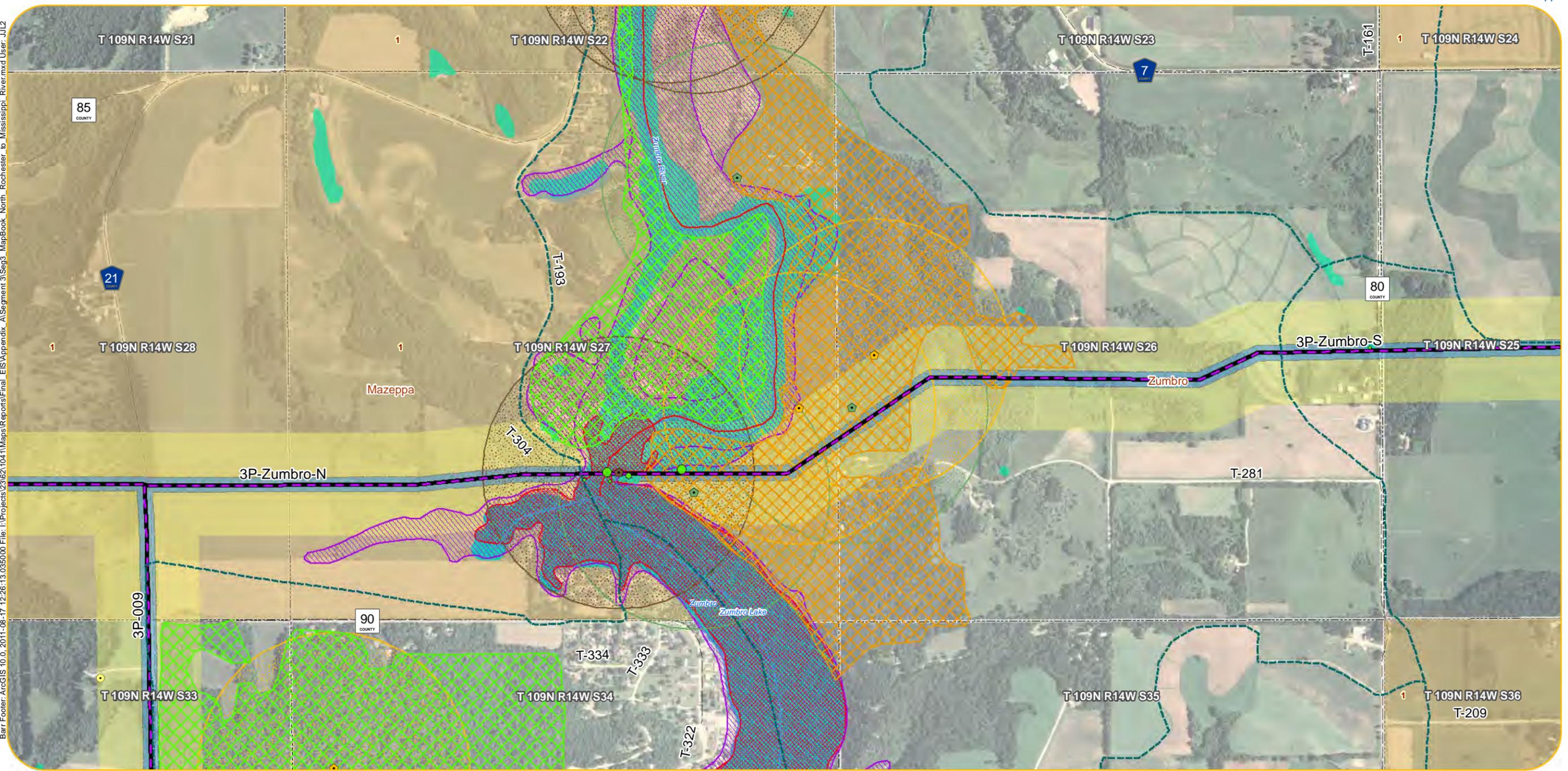


2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

Appendix A - Sheet MR44
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

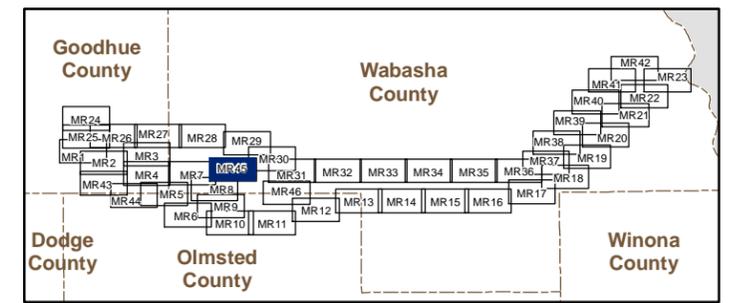


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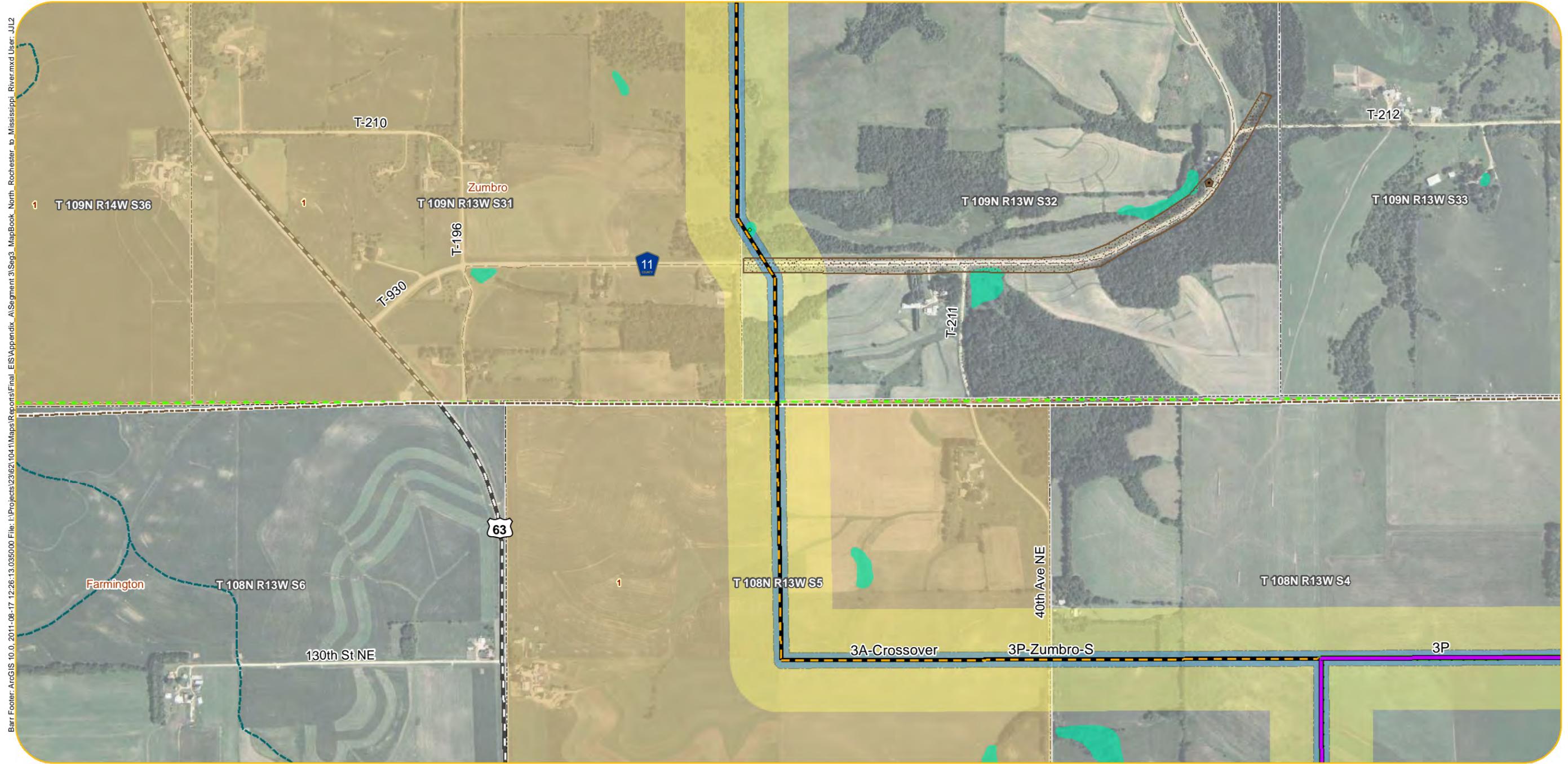


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Pivot Irrigation | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Scenic | 1 - 2 |
| Alignment Alternatives | Pinch Points | National Fish Hatchery | Wild | 3 - 4 |
| 150-foot ROW | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 5 - 6 |
| 200-foot ROW | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | Historical Sites |
| 1,000-foot Route Width | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | 4 1 - 5 |
| Municipalities | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 18 6 - 20 |
| Civil Townships | Ecological | High Significance | Public Water Inventory Watercourse | 58 21 - 164 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | |
| Survey Sections | | Wildlife Management Area | | |
| | | Scientific and Natural Area | | |
| | | | | |

Appendix A - Sheet MR45
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



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

<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 Parallel Alignment Alignment Alternatives 150-foot ROW 200-foot ROW 1,000-foot Route Width Municipalities Civil Townships Public Land Survey Sections 	<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 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 Pivot Irrigation 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"> 1 - 5 6 - 20 21 - 164
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Appendix A - Sheet MR46
Detail Map
Segment 3,
North Rochester Substation to Mississippi River