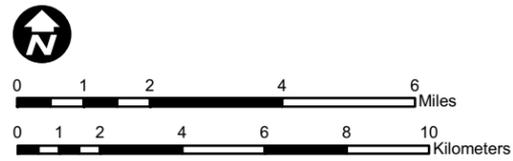
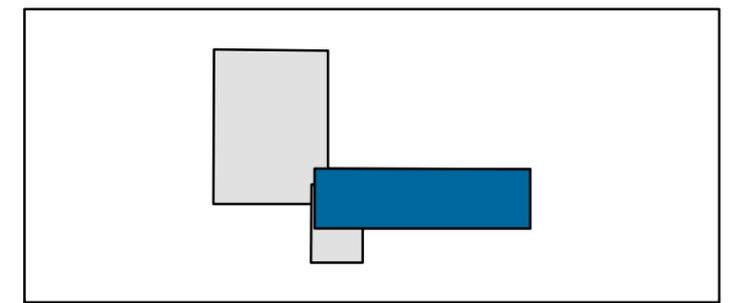


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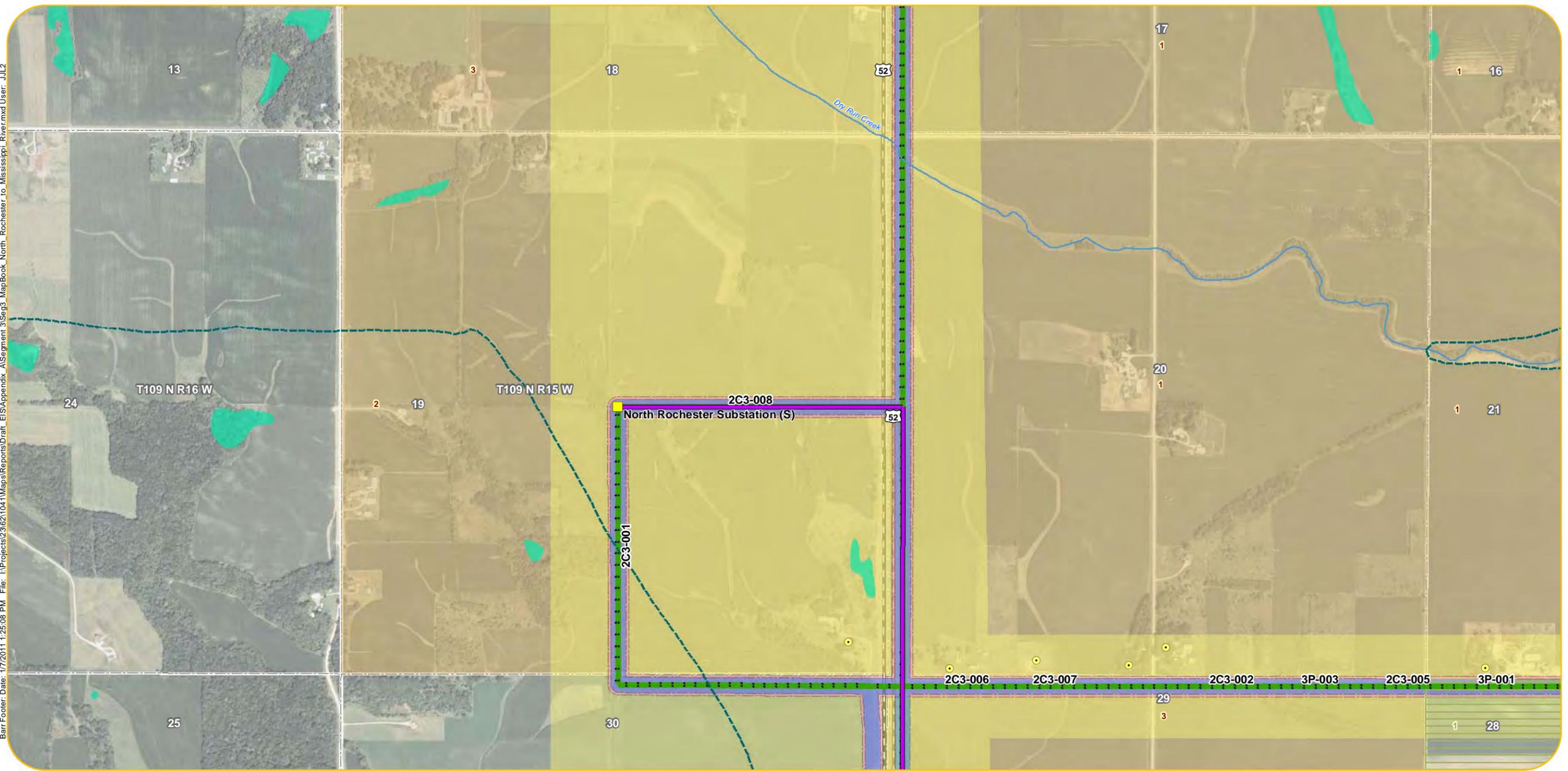
- Project Substations
- MR1 Map Index
- County Boundaries
- Original Alignments**
- P Route
- A Route
- Additional Alternative Routes**
- Variation on P Route
- Variation on A Route
- Variation on Both
- Parallel Alignment

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

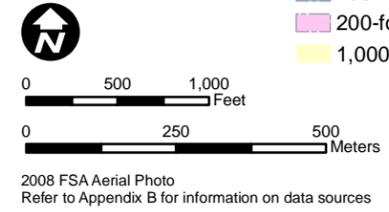


Refer to Appendix B for information on data sources

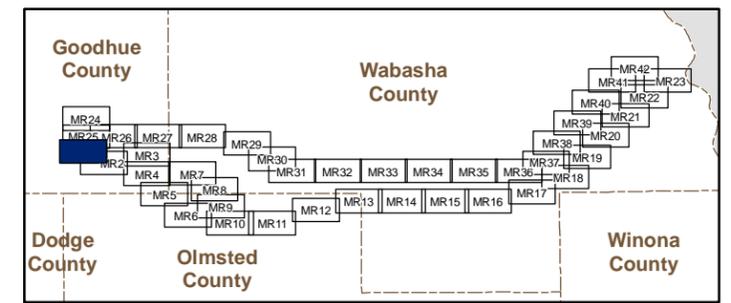
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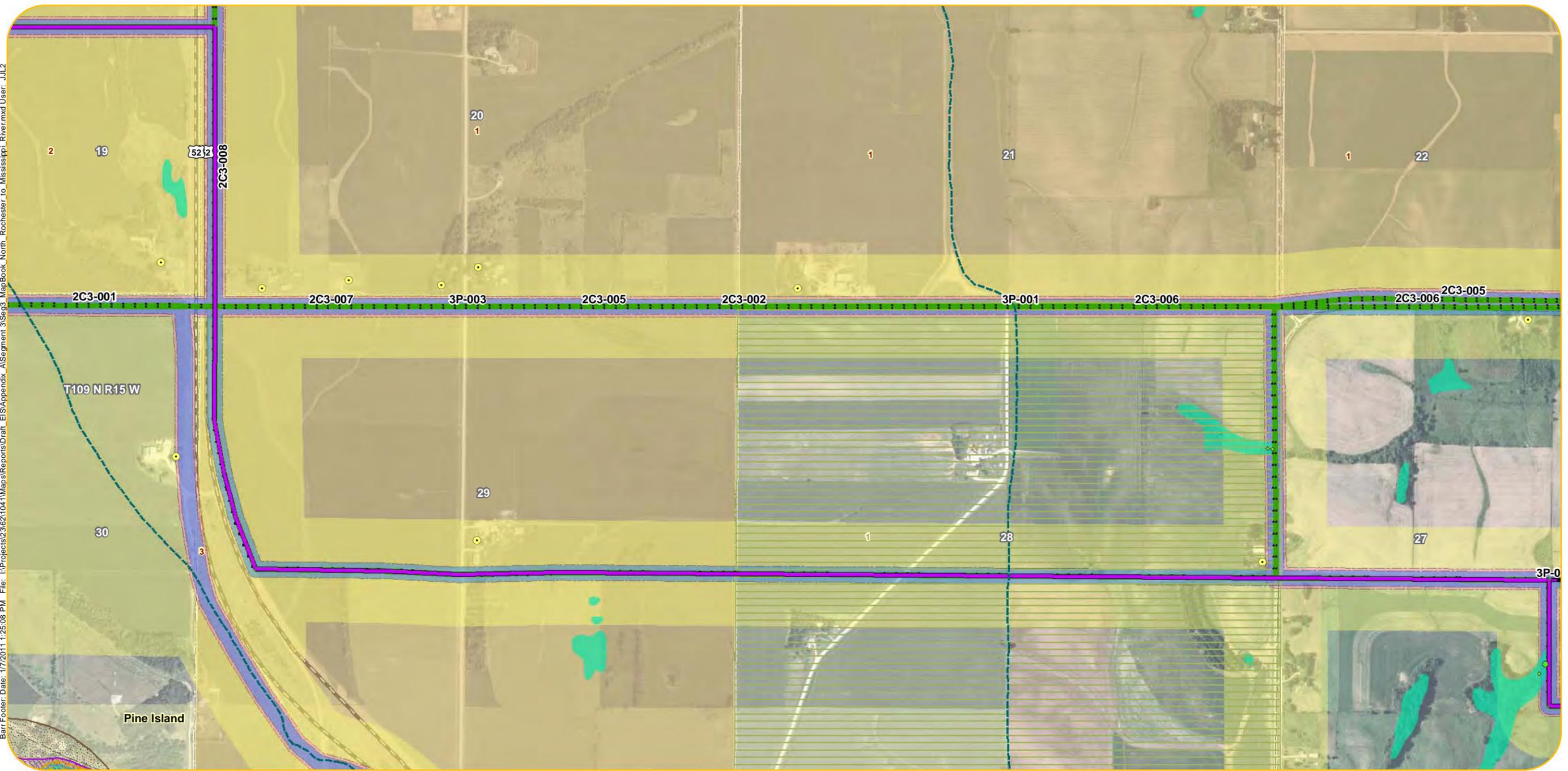
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| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile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



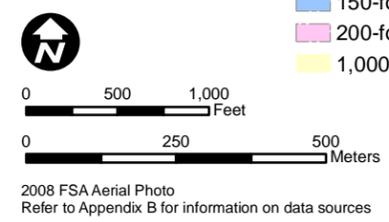
Appendix A - Sheet MR1
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



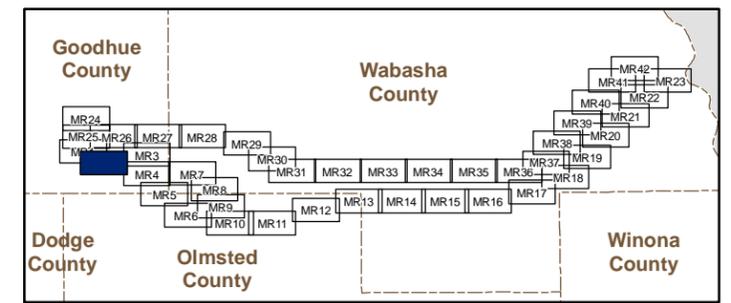
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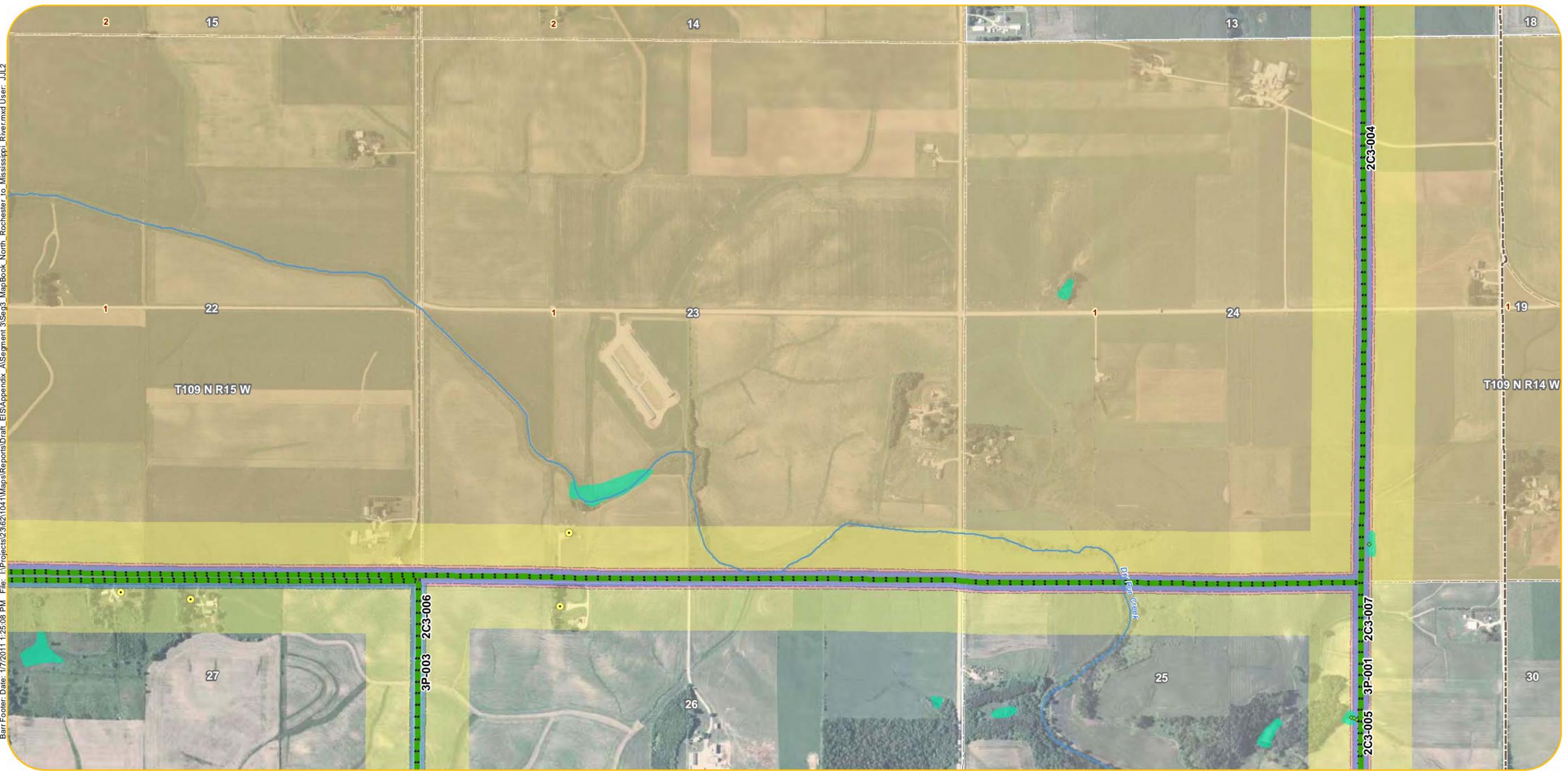
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|---|---|--|---|---|



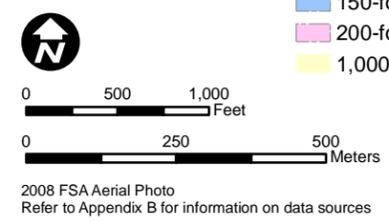
Appendix A - Sheet MR2
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



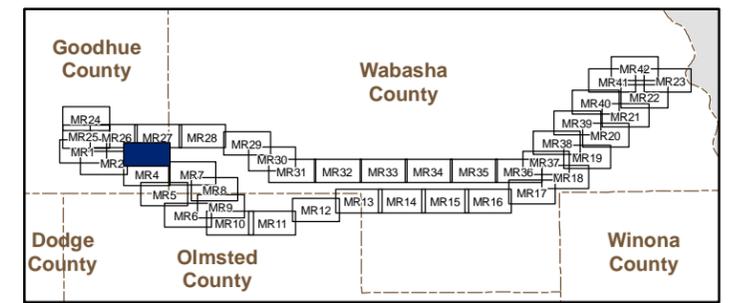
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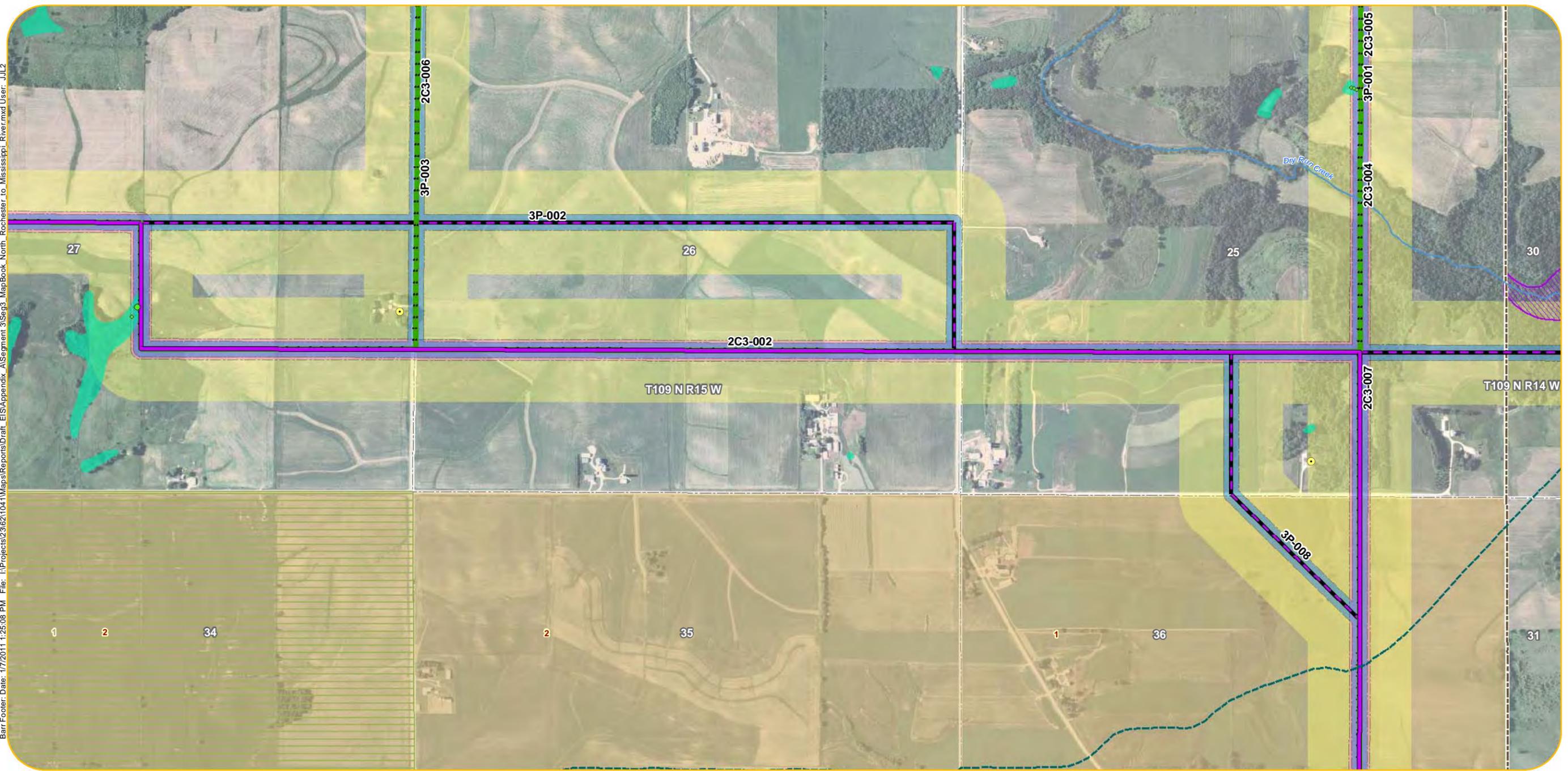
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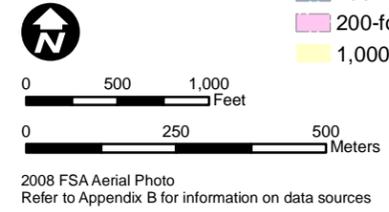
Appendix A - Sheet MR3
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



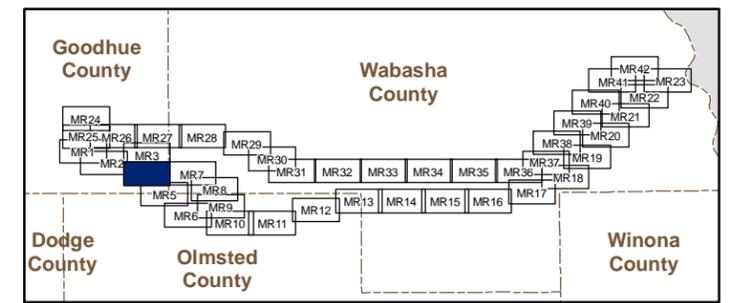
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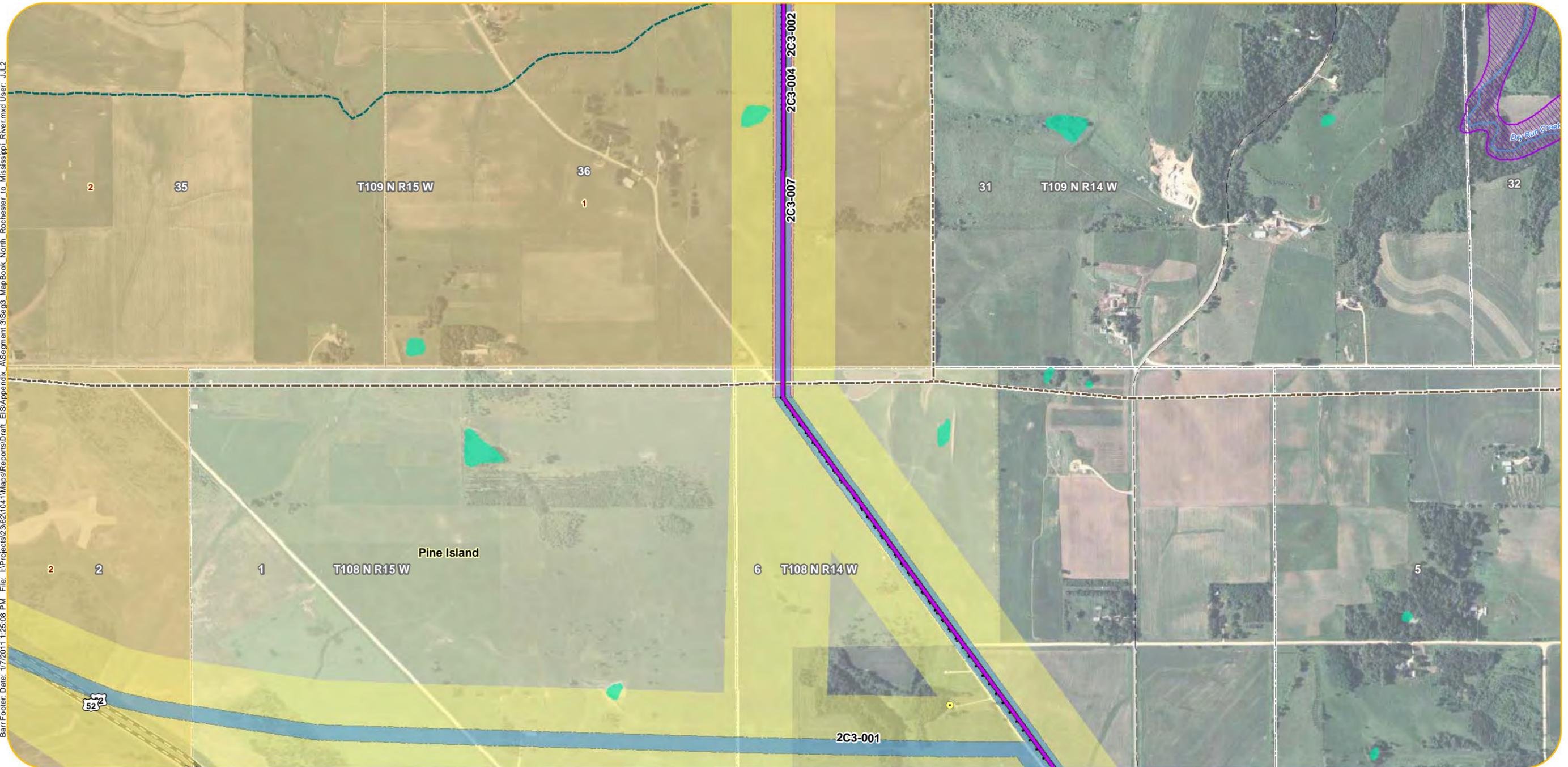
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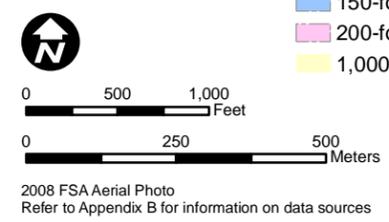
Appendix A - Sheet MR4
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



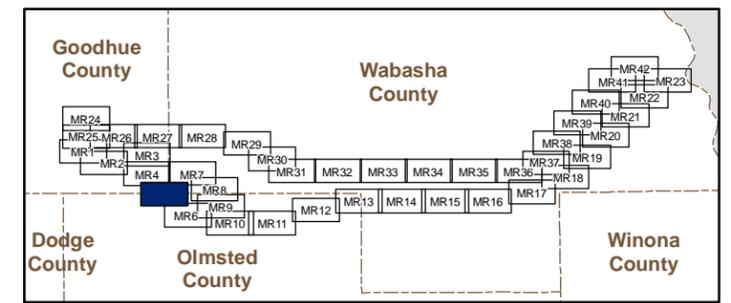
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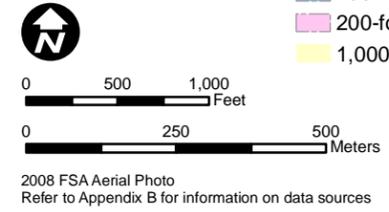
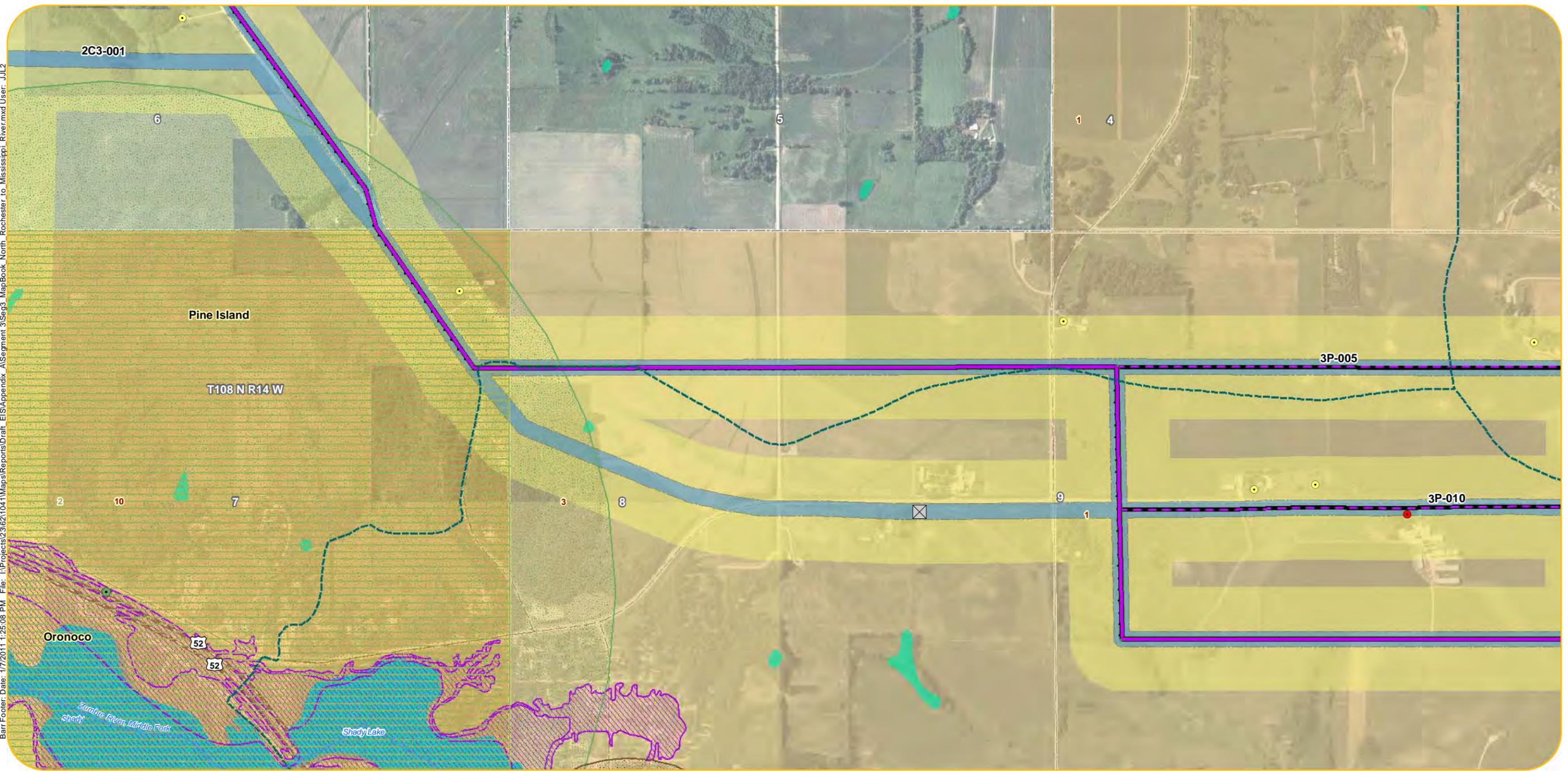
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| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| Parallel Alignment | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 150-foot ROW | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| 200-foot ROW | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| 1,000-foot Route Width | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



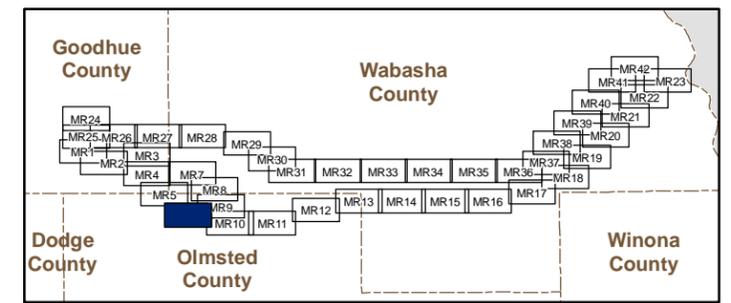
Appendix A - Sheet MR5
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



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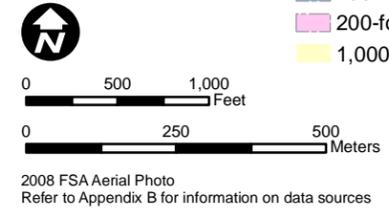
Appendix A - Sheet MR6
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



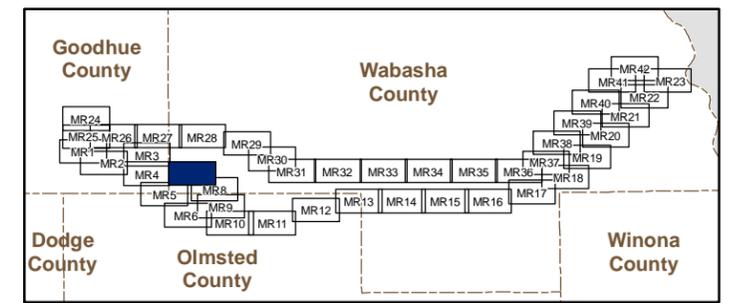
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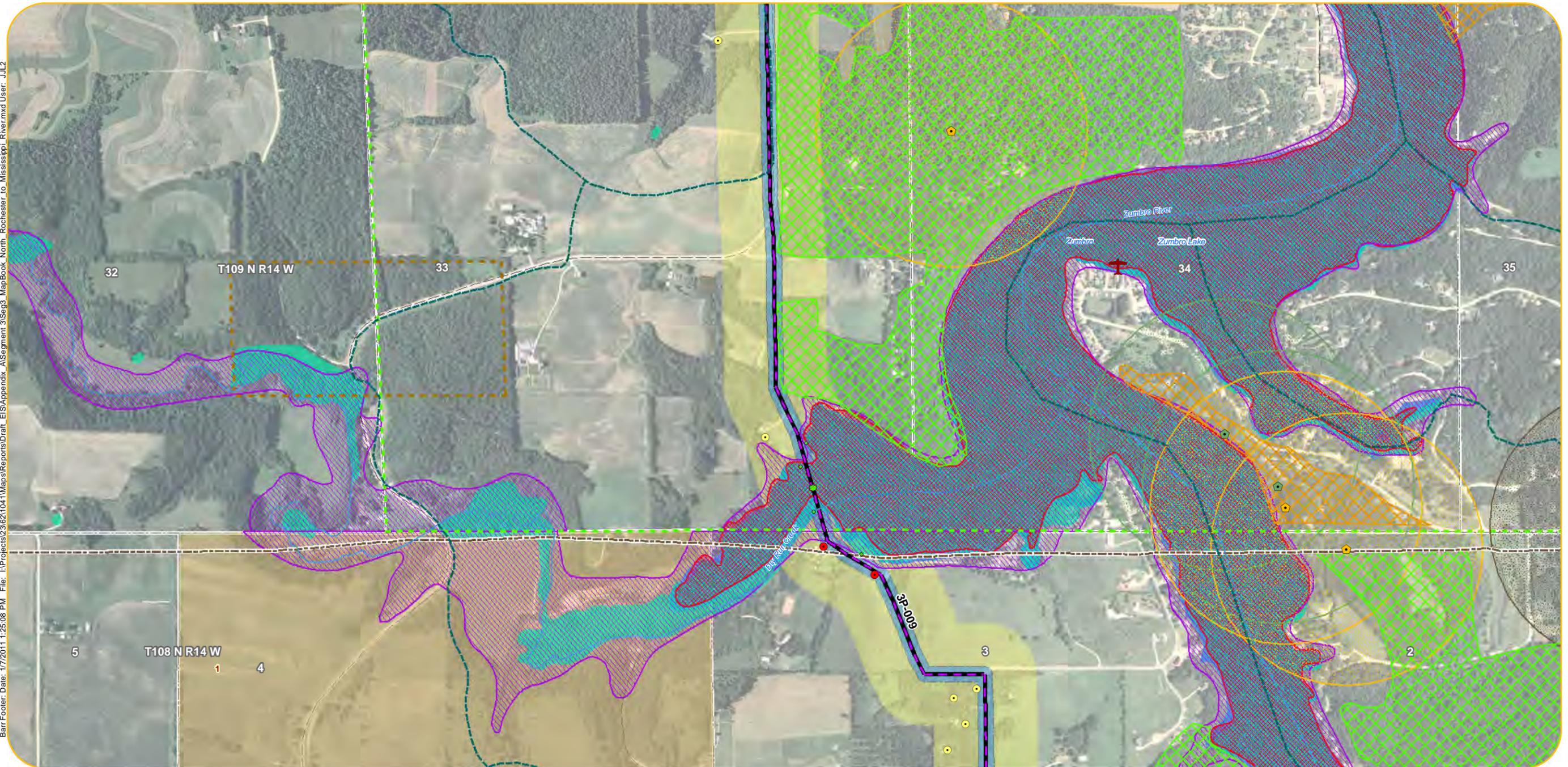
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| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Wild | 1 - 2 |
| 150-foot ROW | Pinch Points | National Fish Hatchery | Designated Wildlife Lakes | 3 - 4 |
| 200-foot ROW | Airport | National Wildlife Refuge | Impaired Lakes | 5 - 6 |
| 1,000-foot Route Width | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | MCBS Biodiversity Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | Moderate Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | High Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Outstanding Significance | Wetland Crossings > 1,000 Feet | |
| | | Wildlife Management Area | | |
| | | Scientific and Natural Area | | |



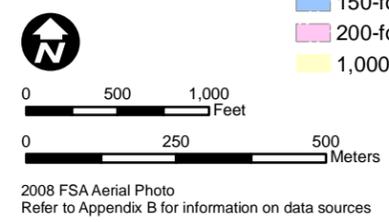
Appendix A - Sheet MR7
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



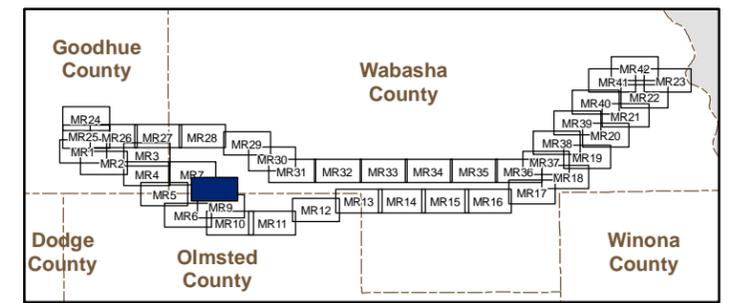
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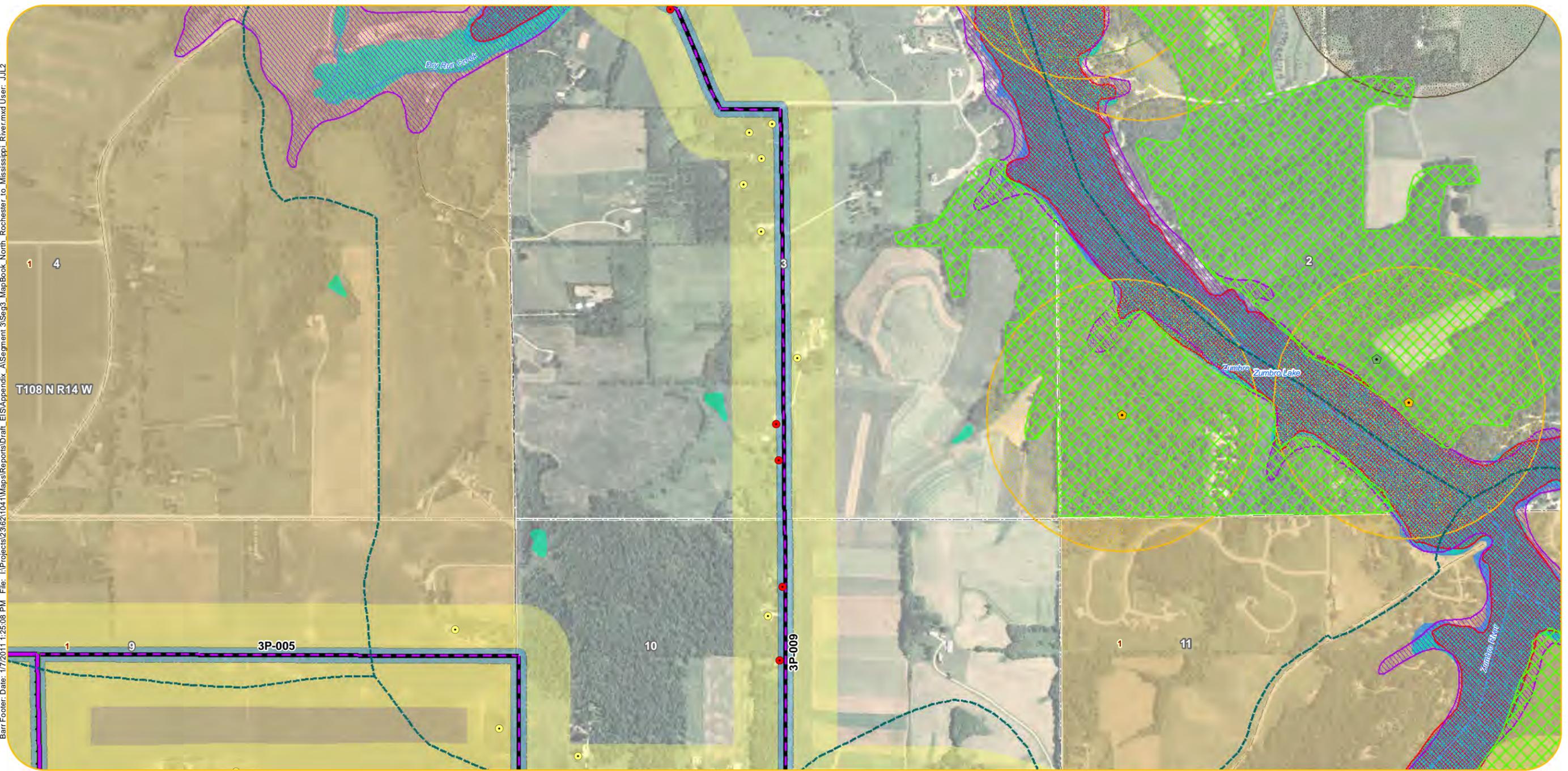
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| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| Parallel Alignment | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 150-foot ROW | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| 200-foot ROW | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| 1,000-foot Route Width | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



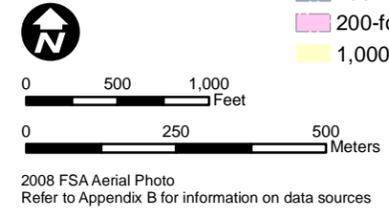
Appendix A - Sheet MR8
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



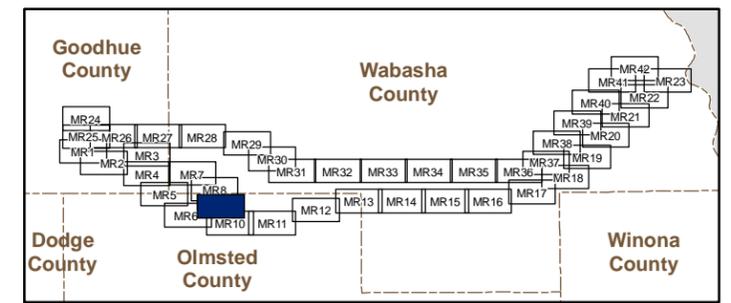
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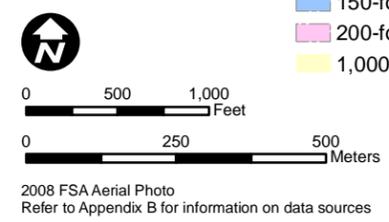
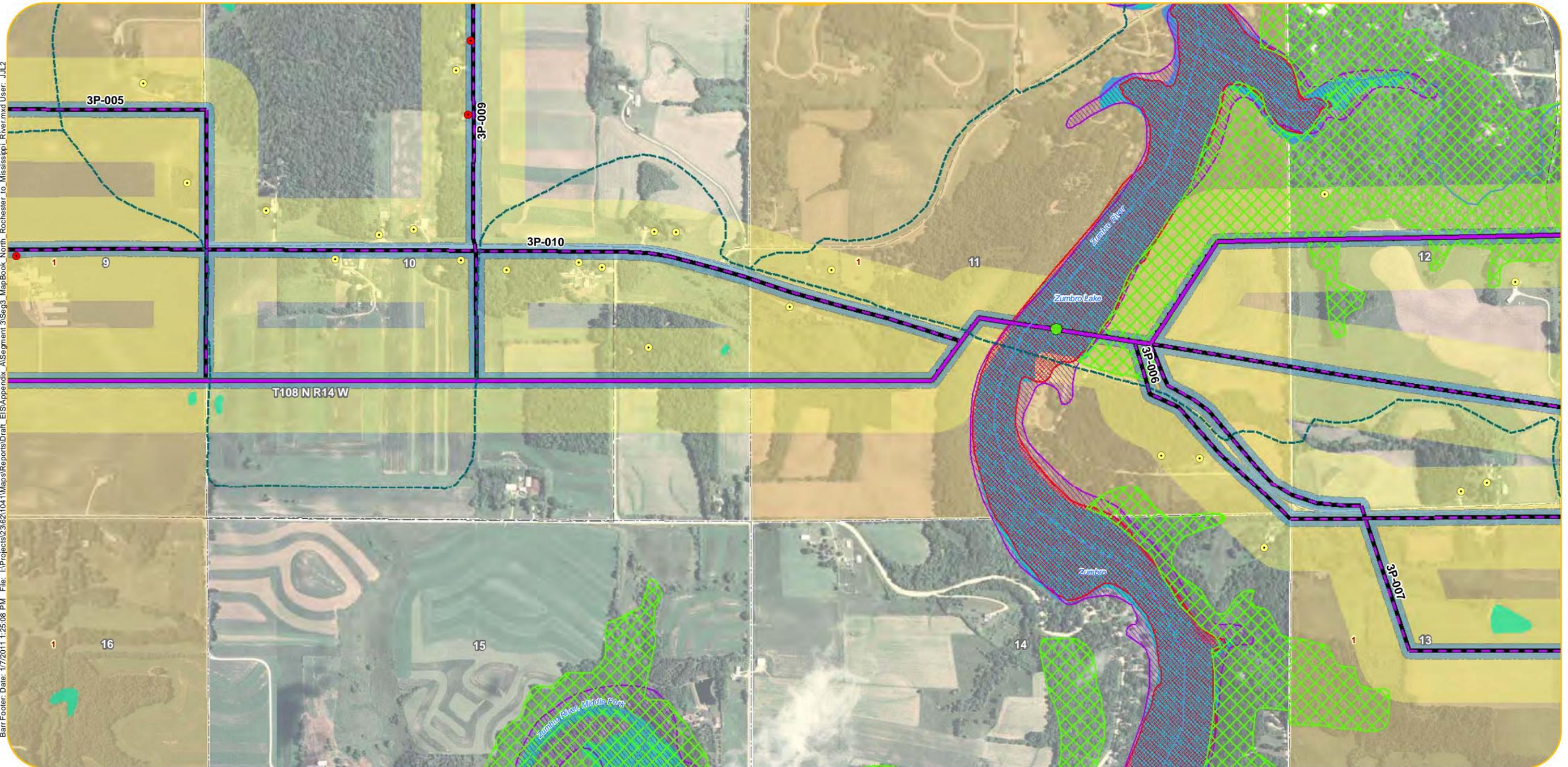
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Appendix A - Sheet MR9
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

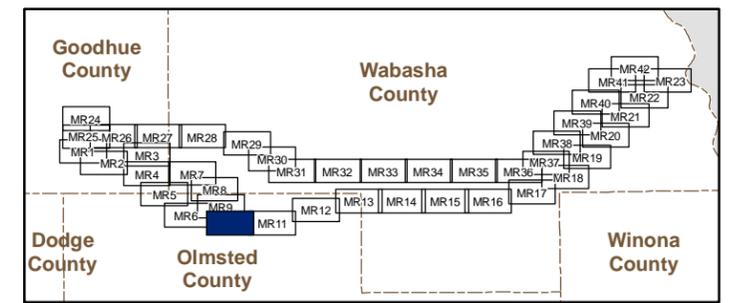


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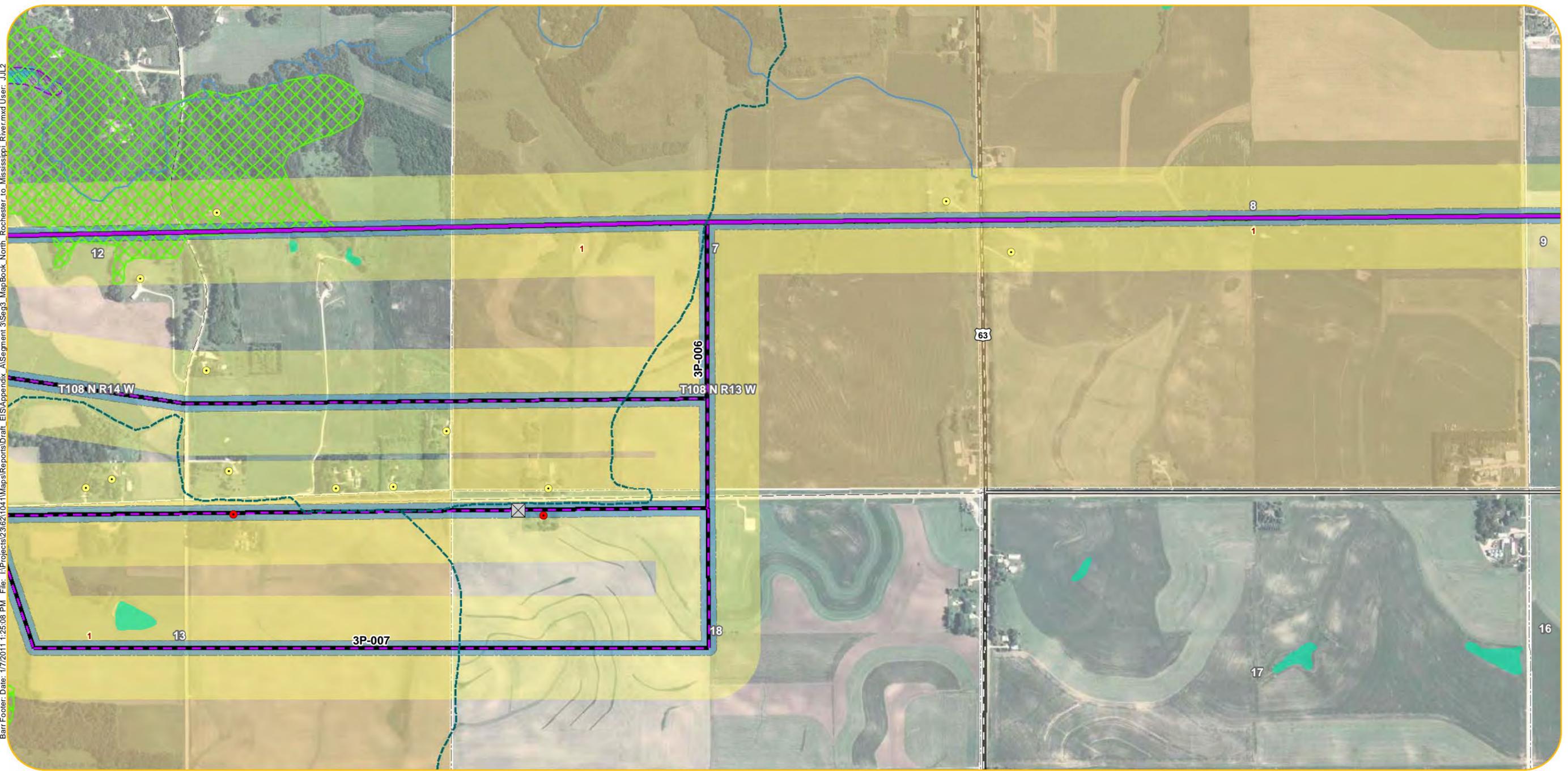


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| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| Parallel Alignment | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 150-foot ROW | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| 200-foot ROW | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| 1,000-foot Route Width | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |

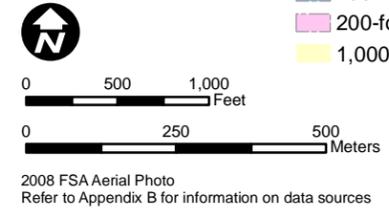
Appendix A - Sheet MR10
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



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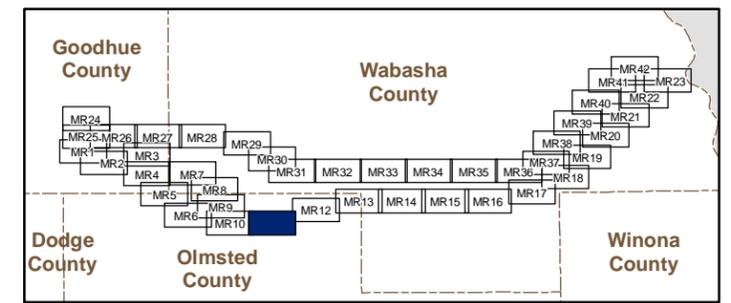


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| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route <p>Additional Alternative Routes</p> <ul style="list-style-type: none"> Variation on P Route Variation on A Route Variation on Both Parallel Alignment 150-foot ROW 200-foot ROW 1,000-foot Route Width | <ul style="list-style-type: none"> Project Substations Residences within 75 Feet of Alternatives Residences within 500 Feet of Alternatives Churches Cemeteries Schools Nursing Homes Hospitals Pinch Points Airport State Designated Railroad Prairie <p>MN DNR Natural Heritage</p> <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 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 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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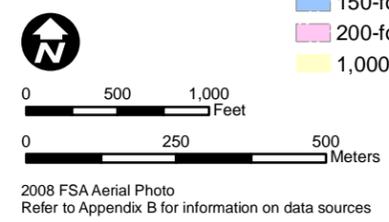


2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

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

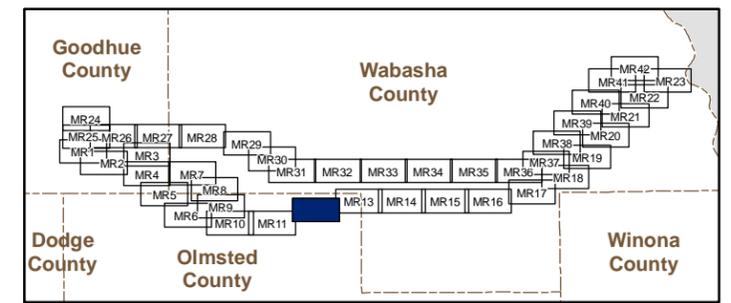


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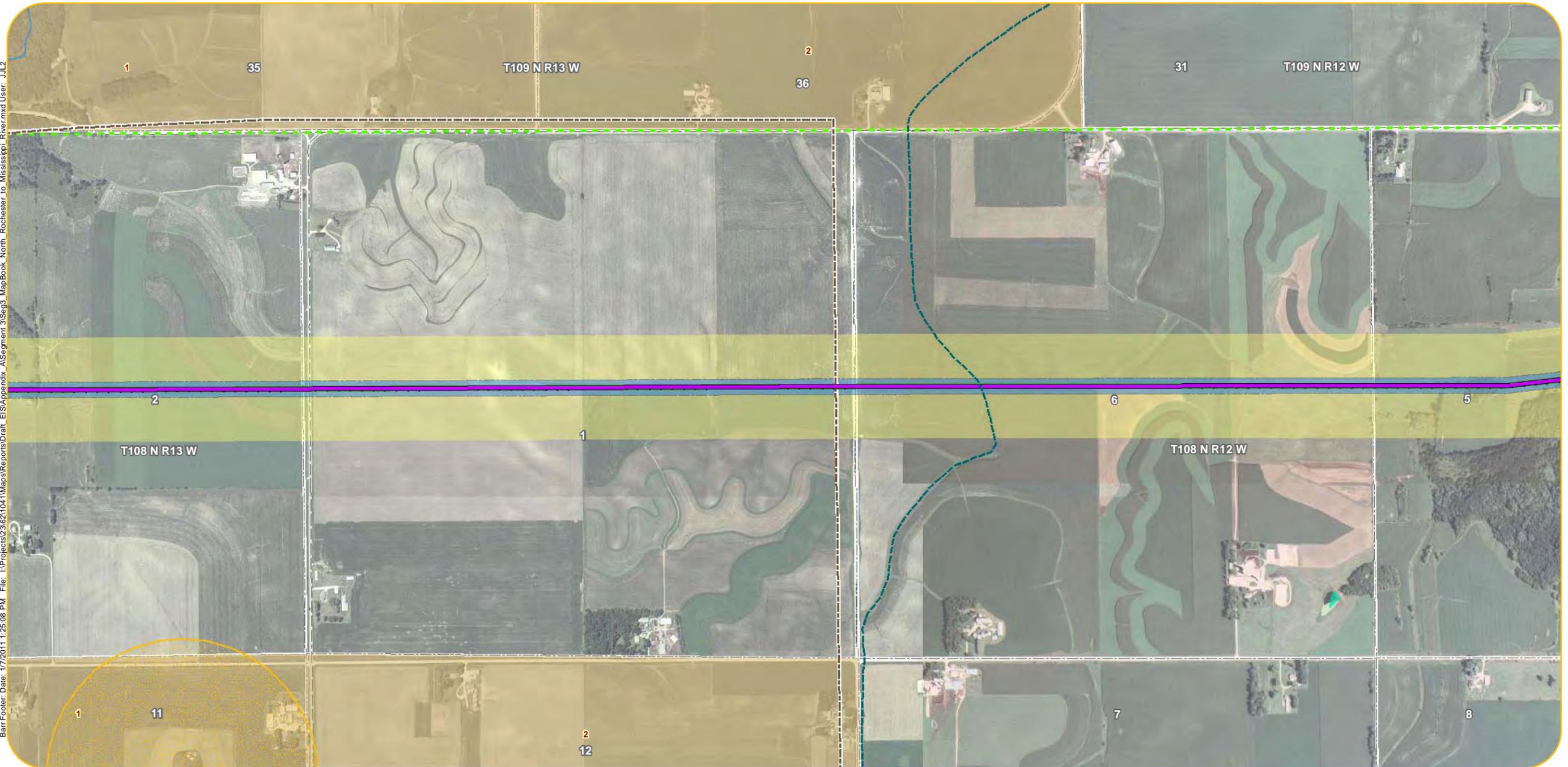


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| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route <p>Additional Alternative Routes</p> <ul style="list-style-type: none"> Variation on P Route Variation on A Route Variation on Both Parallel Alignment 150-foot ROW 200-foot ROW 1,000-foot Route Width | <ul style="list-style-type: none"> Project Substations Residences within 75 Feet of Alternatives Residences within 500 Feet of Alternatives Churches Cemeteries Schools Nursing Homes Hospitals Pinch Points Airport State Designated Railroad Prairie <p>MN DNR Natural Heritage</p> <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 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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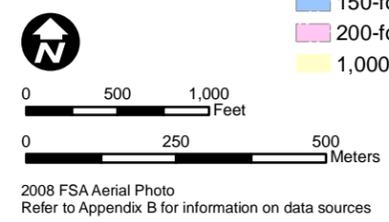
Appendix A - Sheet MR12
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



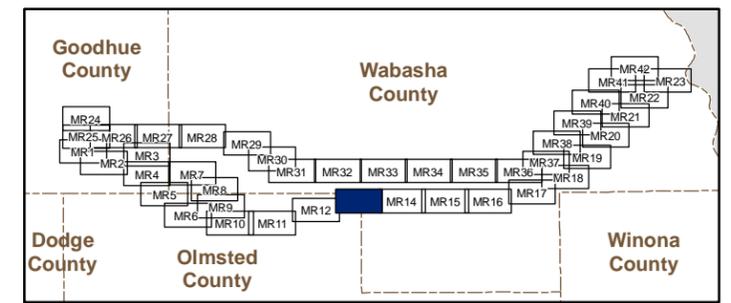
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| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route <p>Additional Alternative Routes</p> <ul style="list-style-type: none"> Variation on P Route Variation on A Route Variation on Both Parallel Alignment 150-foot ROW 200-foot ROW 1,000-foot Route Width | <ul style="list-style-type: none"> Project Substations Residences within 75 Feet of Alternatives Residences within 500 Feet of Alternatives Churches Cemeteries Schools Nursing Homes Hospitals Pinch Points Airport State Designated Railroad Prairie <p>MN DNR Natural Heritage</p> <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 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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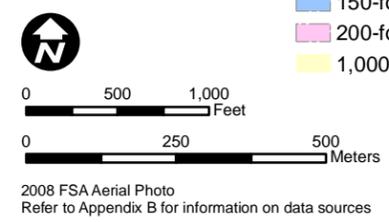
Appendix A - Sheet MR13
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



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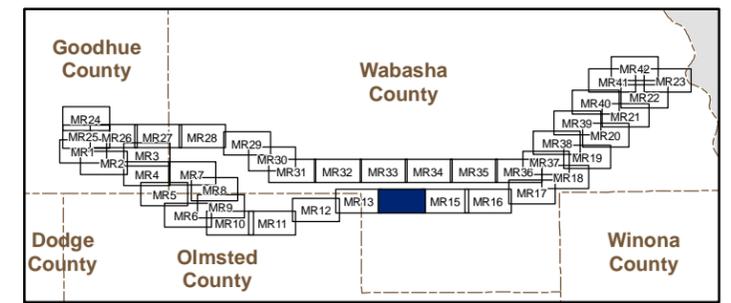


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| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route <p>Additional Alternative Routes</p> <ul style="list-style-type: none"> Variation on P Route Variation on A Route Variation on Both Parallel Alignment 150-foot ROW 200-foot ROW 1,000-foot Route Width | <ul style="list-style-type: none"> Project Substations Residences within 75 Feet of Alternatives Residences within 500 Feet of Alternatives Churches Cemeteries Schools Nursing Homes Hospitals Pinch Points Airport State Designated Railroad Prairie <p>MN DNR Natural Heritage</p> <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 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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2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

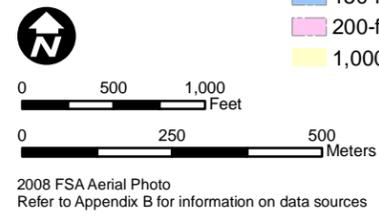
Appendix A - Sheet MR14
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



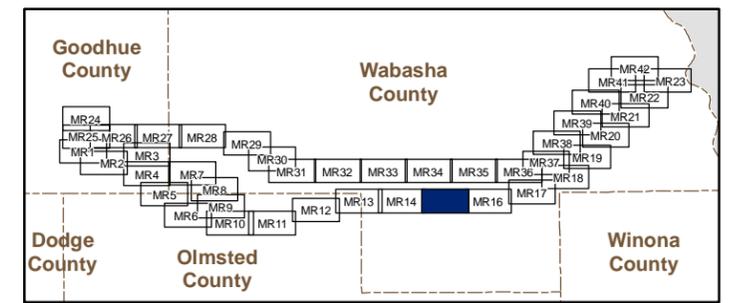
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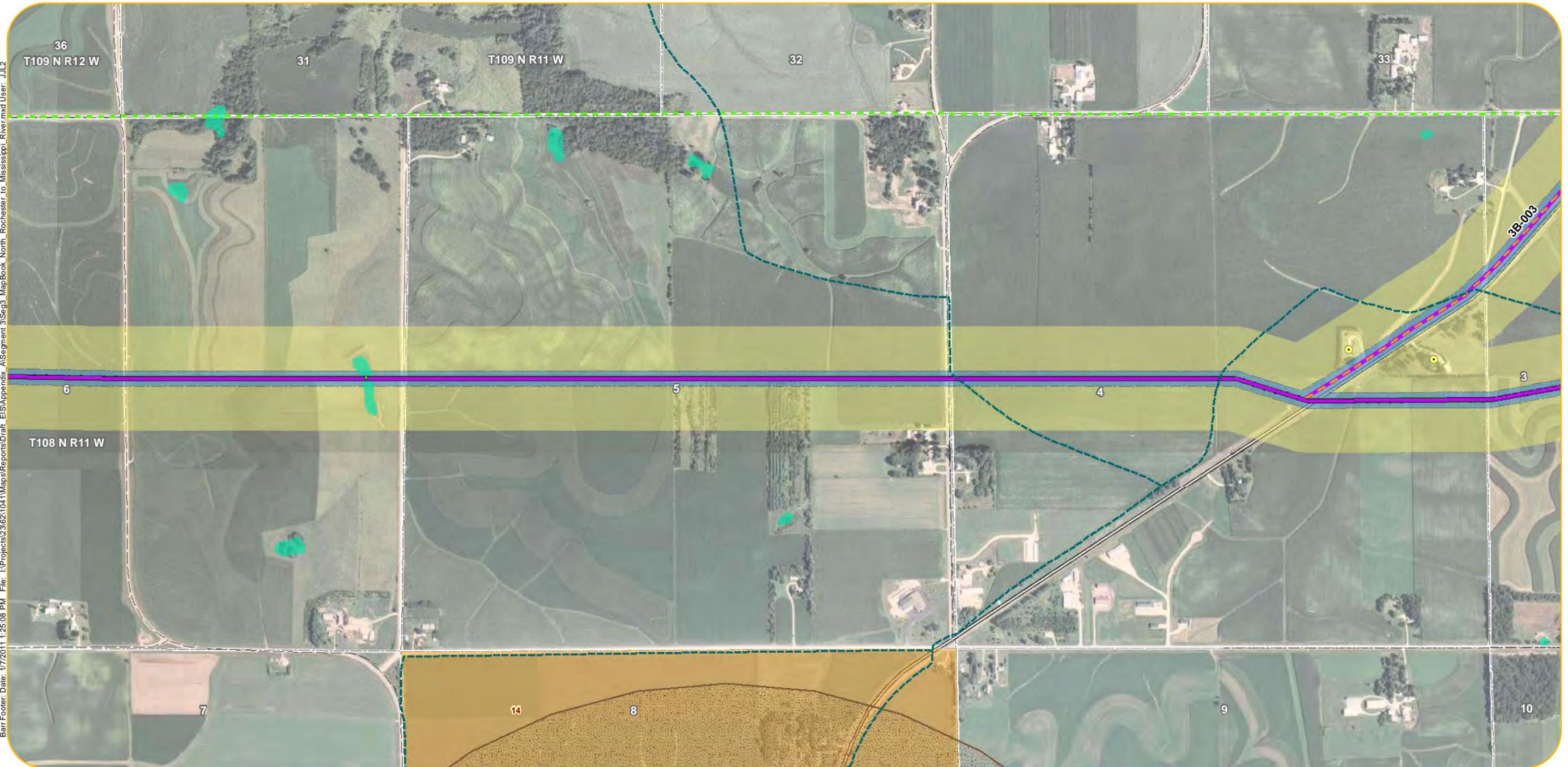
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| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| Parallel Alignment | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 150-foot ROW | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| 200-foot ROW | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| 1,000-foot Route Width | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



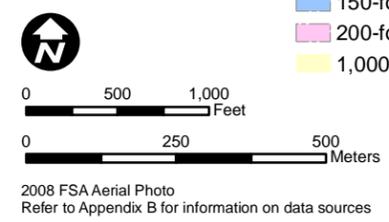
Appendix A - Sheet MR15
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



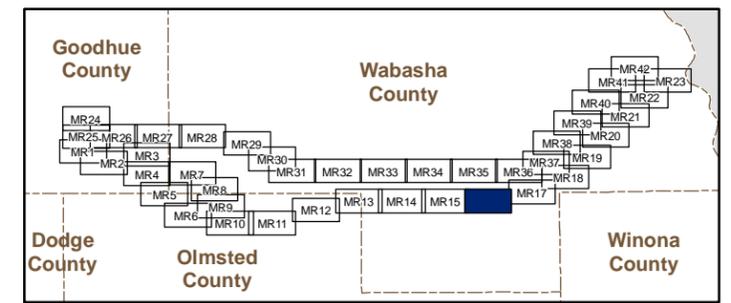
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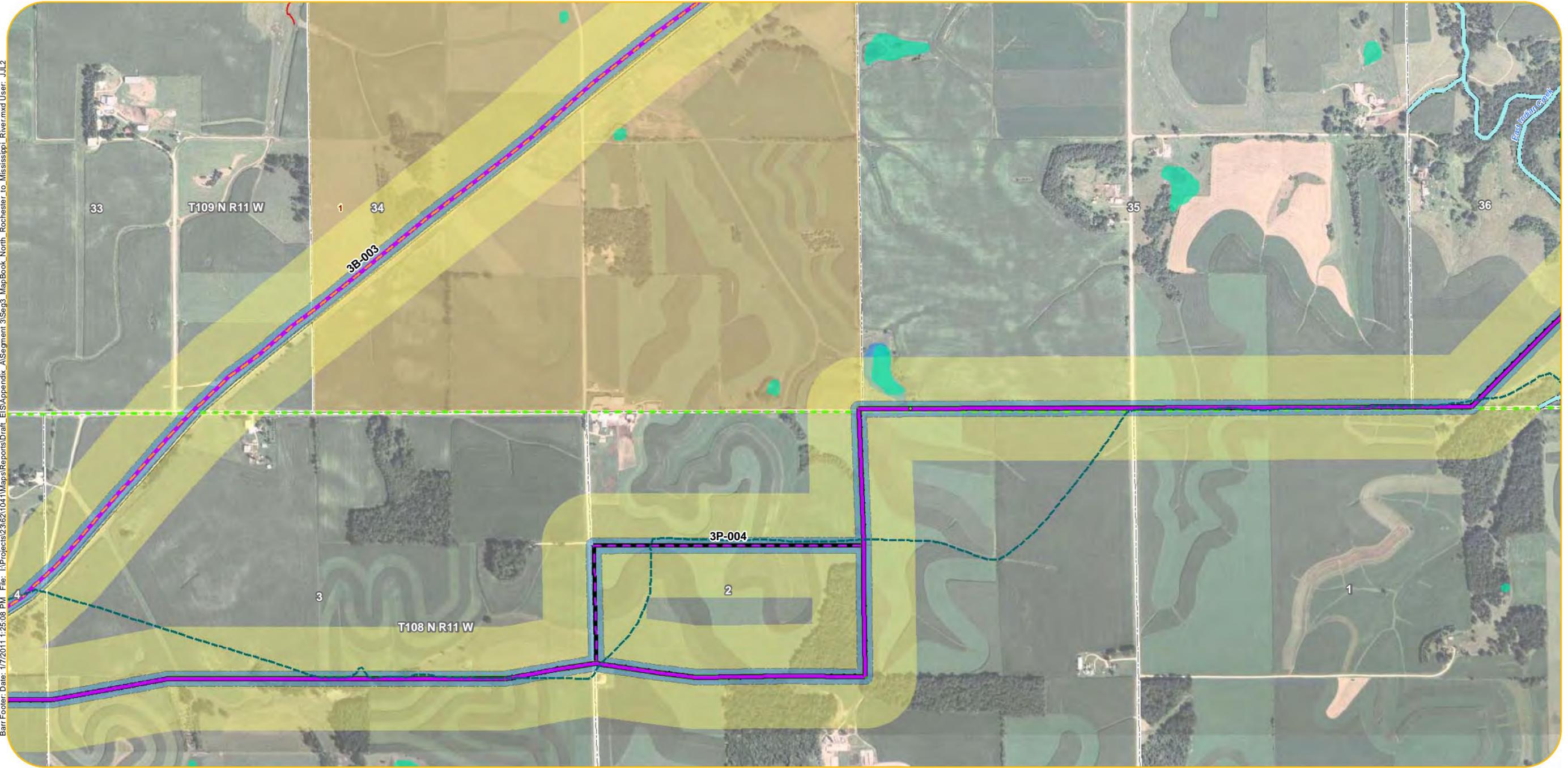
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| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet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



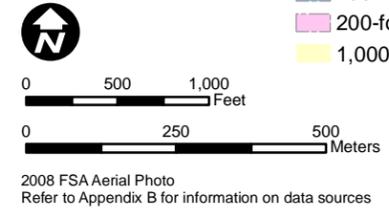
Appendix A - Sheet MR16
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



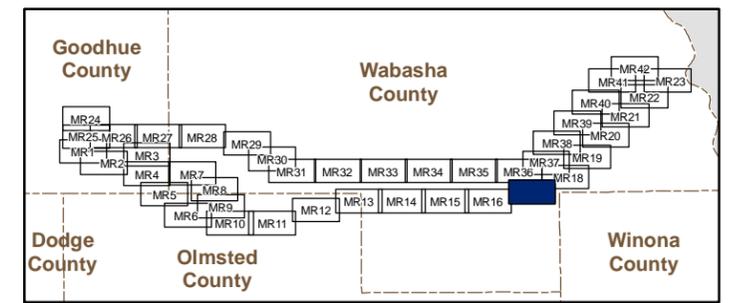
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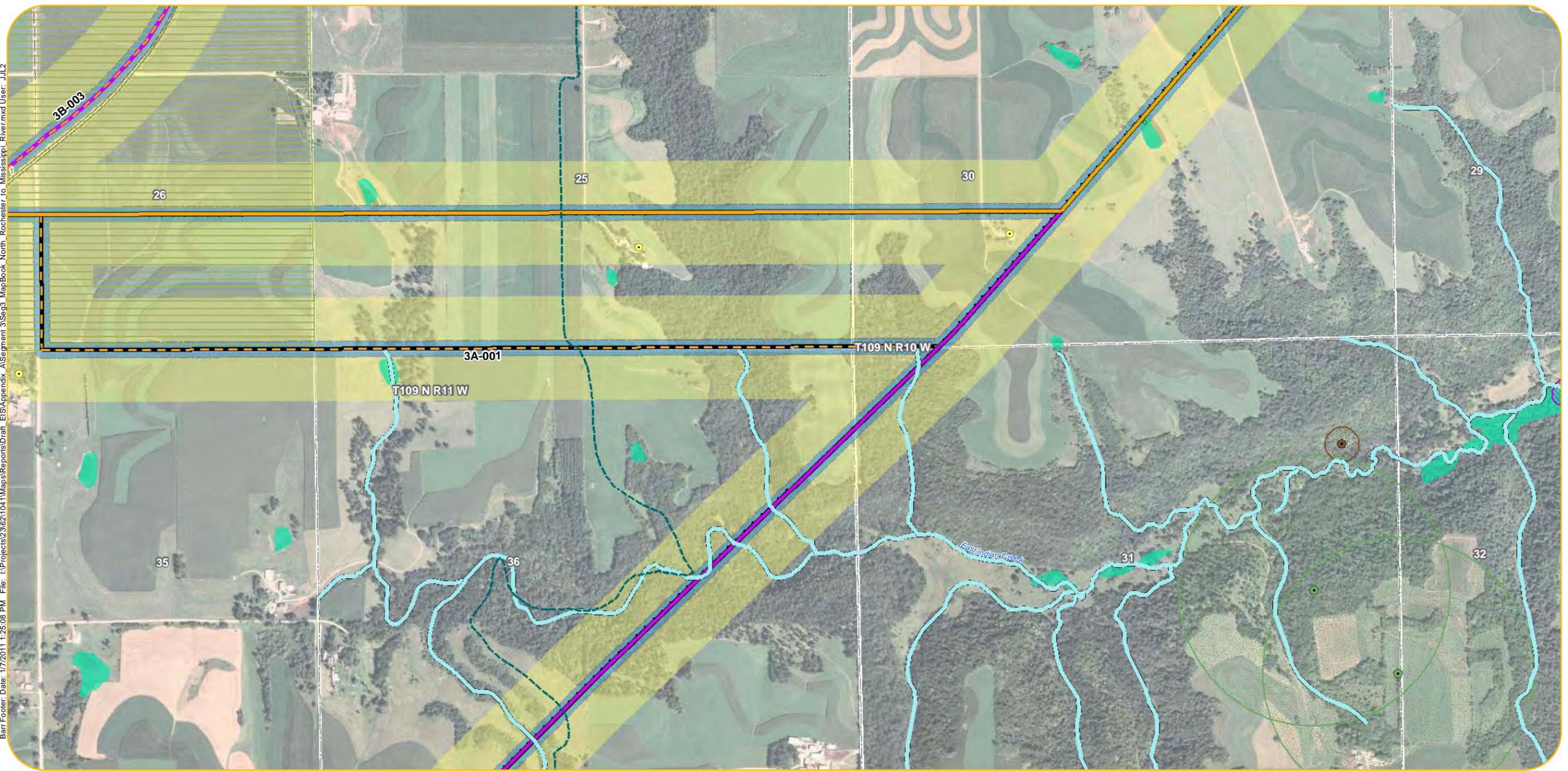
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| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route <p>Additional Alternative Routes</p> <ul style="list-style-type: none"> Variation on P Route Variation on A Route Variation on Both Parallel Alignment 150-foot ROW 200-foot ROW 1,000-foot Route Width | <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 <p>MN DNR Natural Heritage</p> <ul style="list-style-type: none"> Botanical Ecological Zoological | <p>Botanical</p> <ul style="list-style-type: none"> Botanical Ecological Zoological <p>Snowmobile Trail</p> <ul style="list-style-type: none"> Snowmobile Trail State Existing Trail Scenic Byway Fish Technology Center National Fish Hatchery National Wildlife Refuge Waterfowl Production Area <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> <ul style="list-style-type: none"> State Forest Tribal Lands Trout Streams Q3 FEMA Floodplain Recreational Scenic Wild Designated Wildlife Lakes Impaired Lakes Impaired Streams Public Water Inventory Basins (includes lakes and wetlands) Public Water Inventory Watercourse NWI Wetlands Wetland Crossings > 1,000 Feet | <p>Wetland Area (acres) within 150-foot ROW</p> <ul style="list-style-type: none"> 0.0 - 0.5 0.6 - 1.0 1.1 - 2.0 2.1 - 3.0 3.1 - 6.1 <p>Archaeological Sites</p> <ul style="list-style-type: none"> 1 - 2 3 - 4 5 - 6 <p>Historical Sites</p> <ul style="list-style-type: none"> 1 - 5 6 - 20 21 - 164 |
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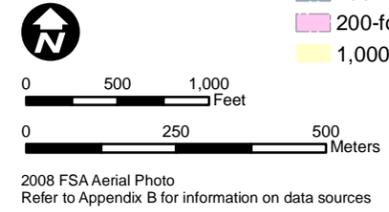
Appendix A - Sheet MR17
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



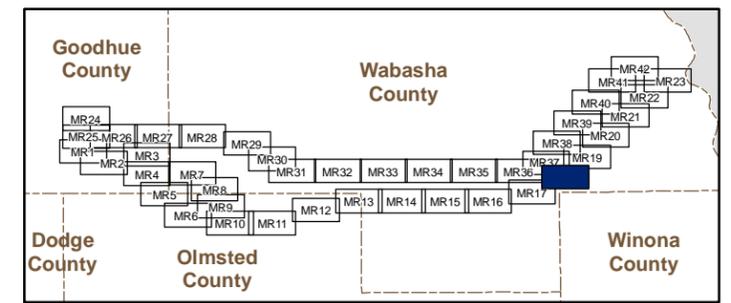
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| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet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



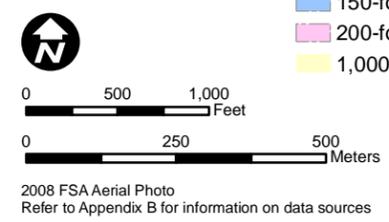
Appendix A - Sheet MR18
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



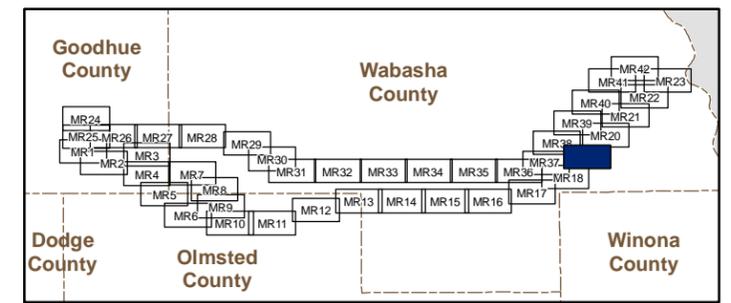
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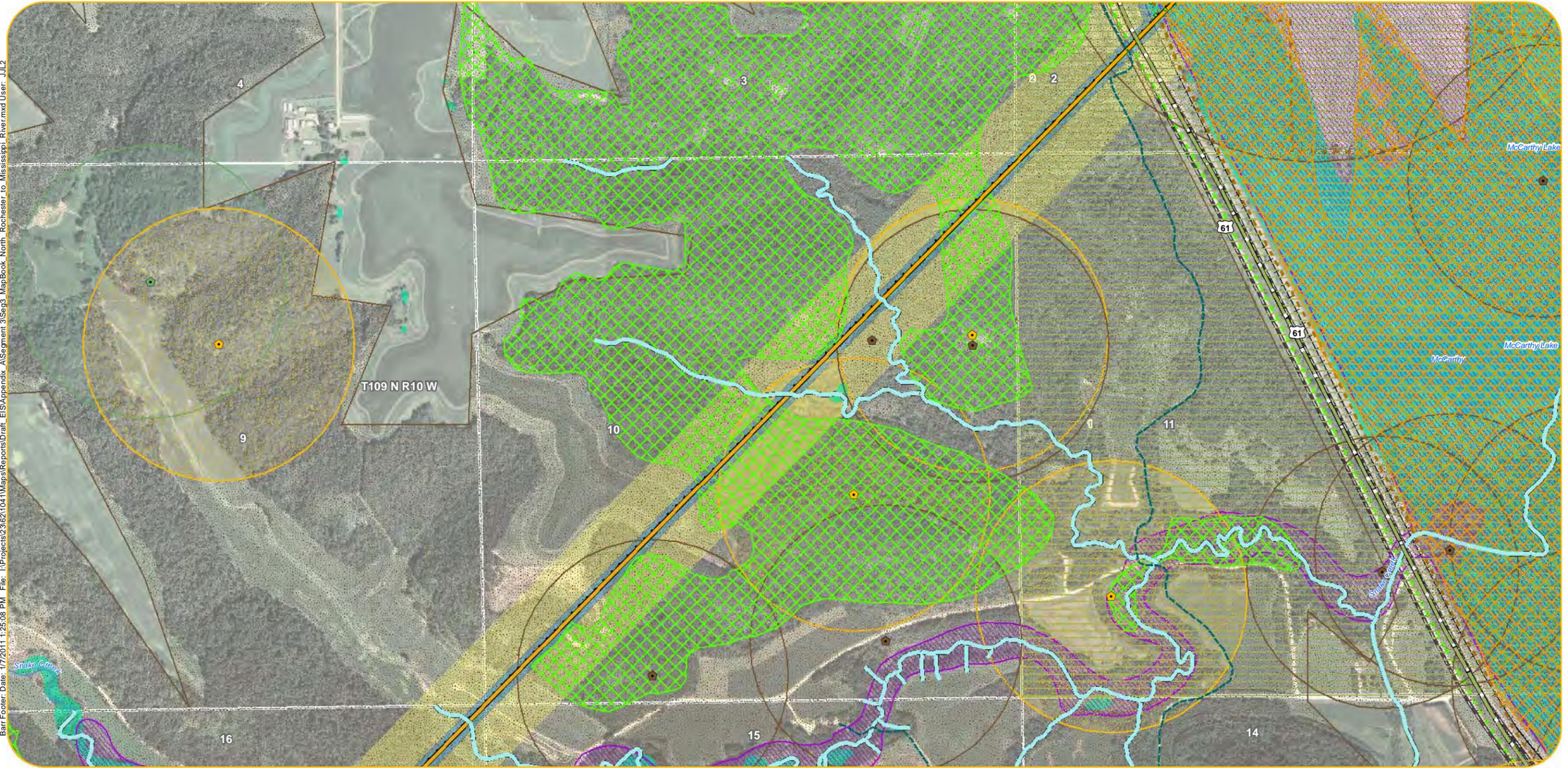
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| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
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| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands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



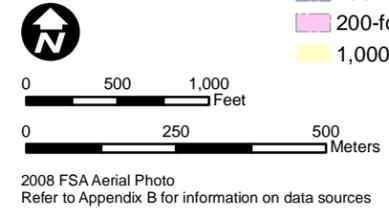
Appendix A - Sheet MR19
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



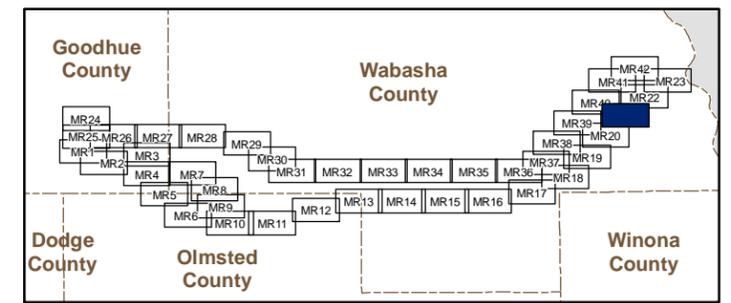
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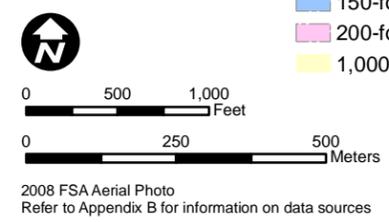
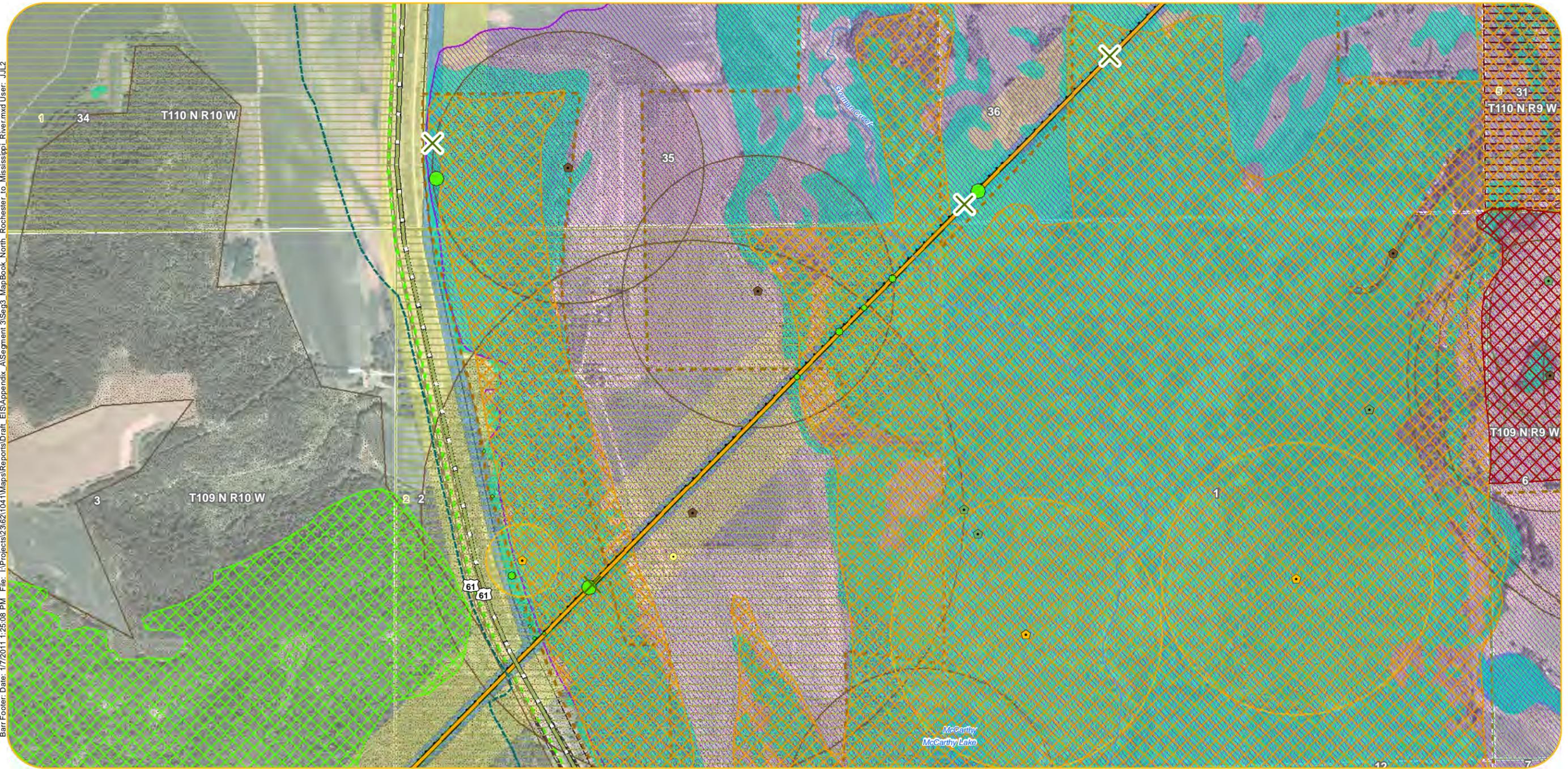
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Appendix A - Sheet MR21
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

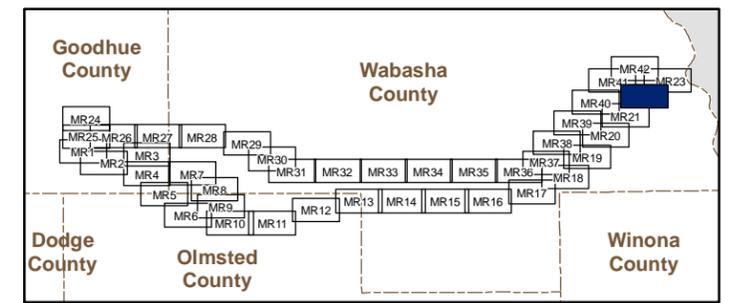


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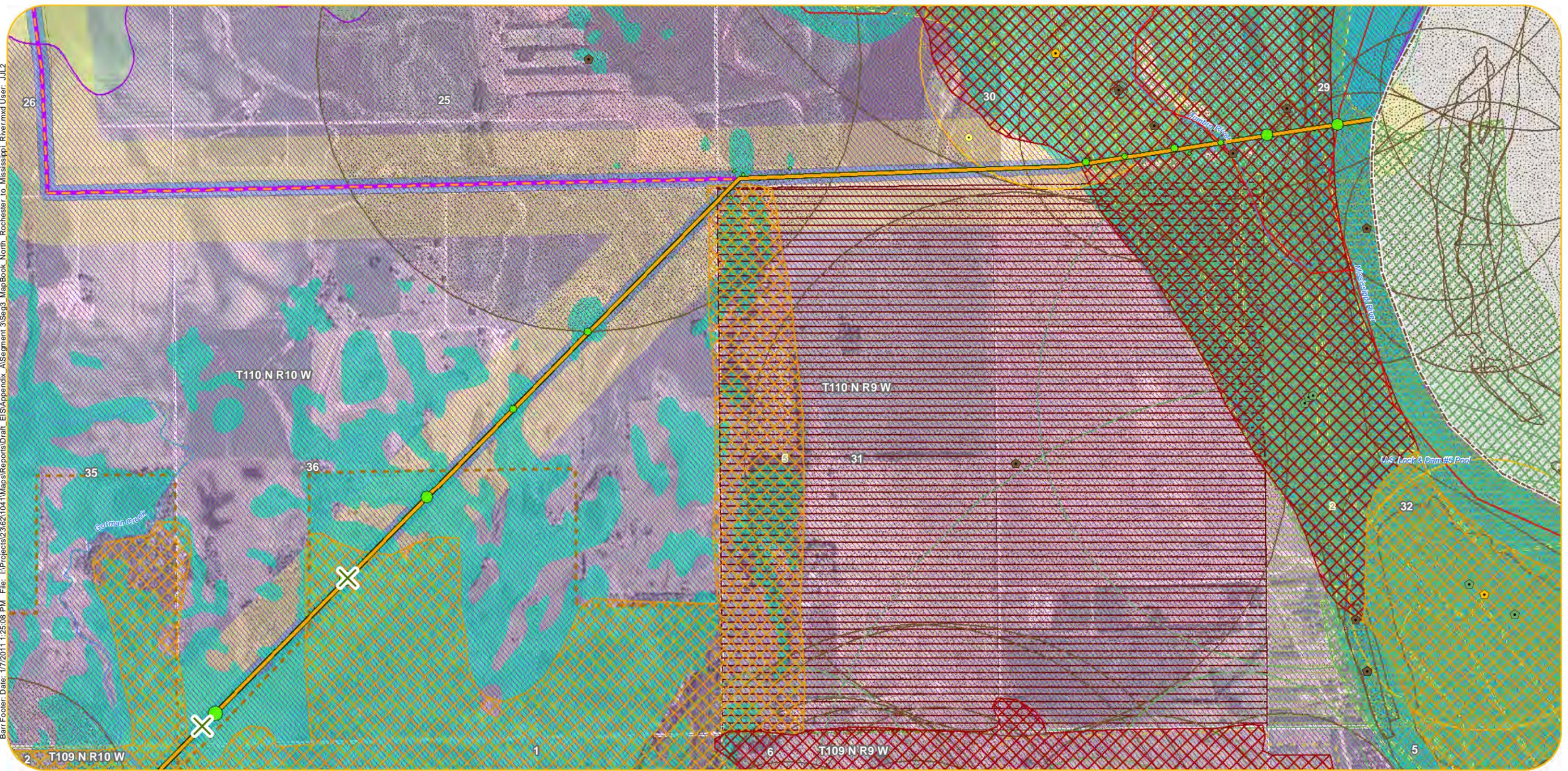


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological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

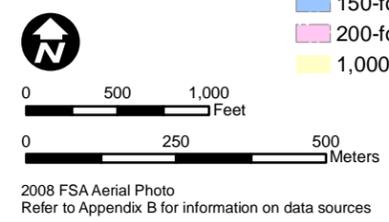
Appendix A - Sheet MR22
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



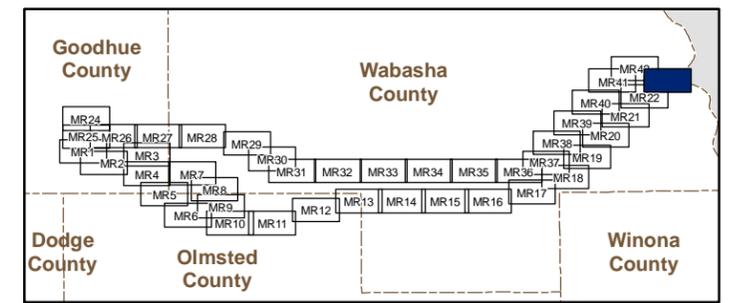
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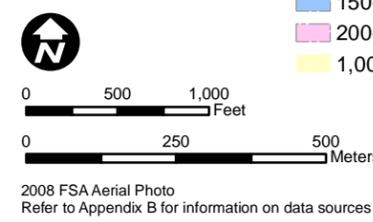
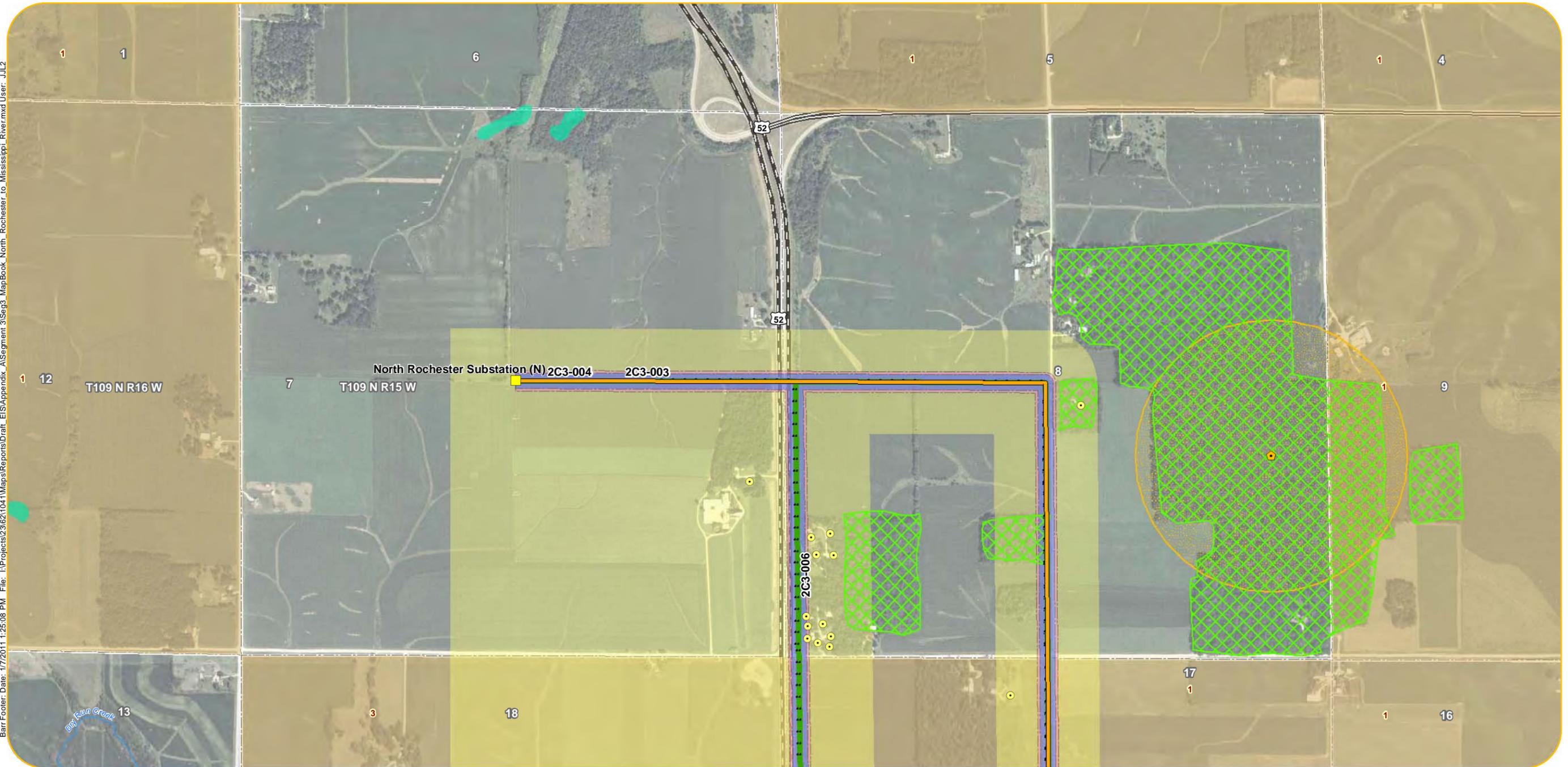
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological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



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

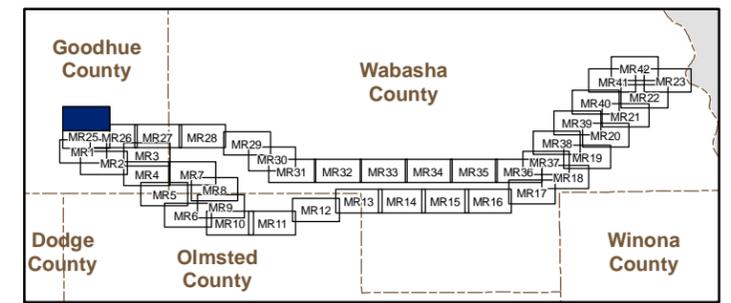


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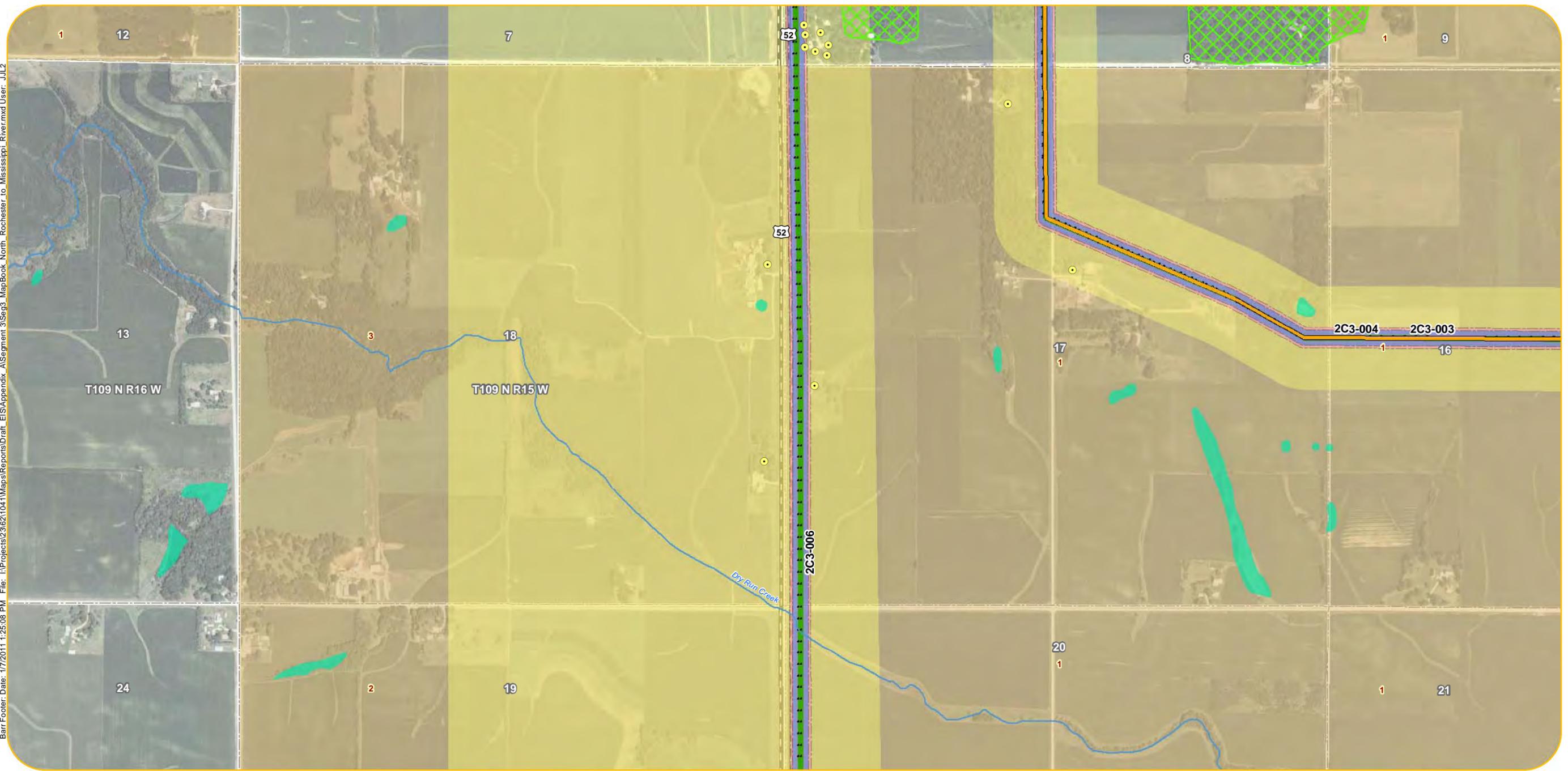


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | 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 | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| Parallel Alignment | Hospitals | Fisheries Research Station | Wild | 1 - 2 |
| 150-foot ROW | Pinch Points | National Fish Hatchery | Designated Wildlife Lakes | 3 - 4 |
| 200-foot ROW | Airport | National Wildlife Refuge | Impaired Lakes | 5 - 6 |
| 1,000-foot Route Width | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | MCBS Biodiversity Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | Moderate Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | High Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Outstanding Significance | Wetland Crossings > 1,000 Feet | |
| | | Wildlife Management Area | | |
| | | Scientific and Natural Area | | |

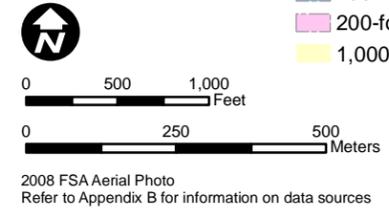
Appendix A - Sheet MR24
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



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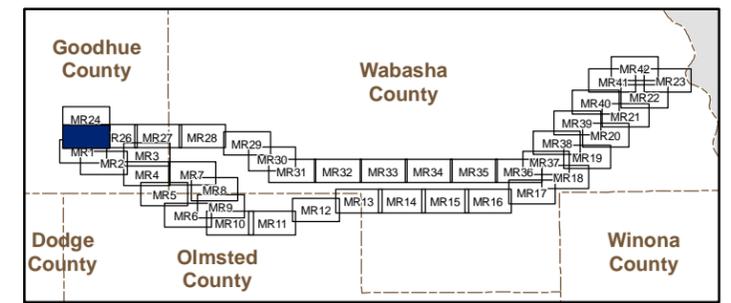


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|---|---|--|---|---|
| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route <p>Additional Alternative Routes</p> <ul style="list-style-type: none"> Variation on P Route Variation on A Route Variation on Both Parallel Alignment 150-foot ROW 200-foot ROW 1,000-foot Route Width | <ul style="list-style-type: none"> Project Substations Residences within 75 Feet of Alternatives Residences within 500 Feet of Alternatives Churches Cemeteries Schools Nursing Homes Hospitals Pinch Points Airport State Designated Railroad Prairie <p>MN DNR Natural Heritage</p> <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 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 |
|---|---|--|---|---|

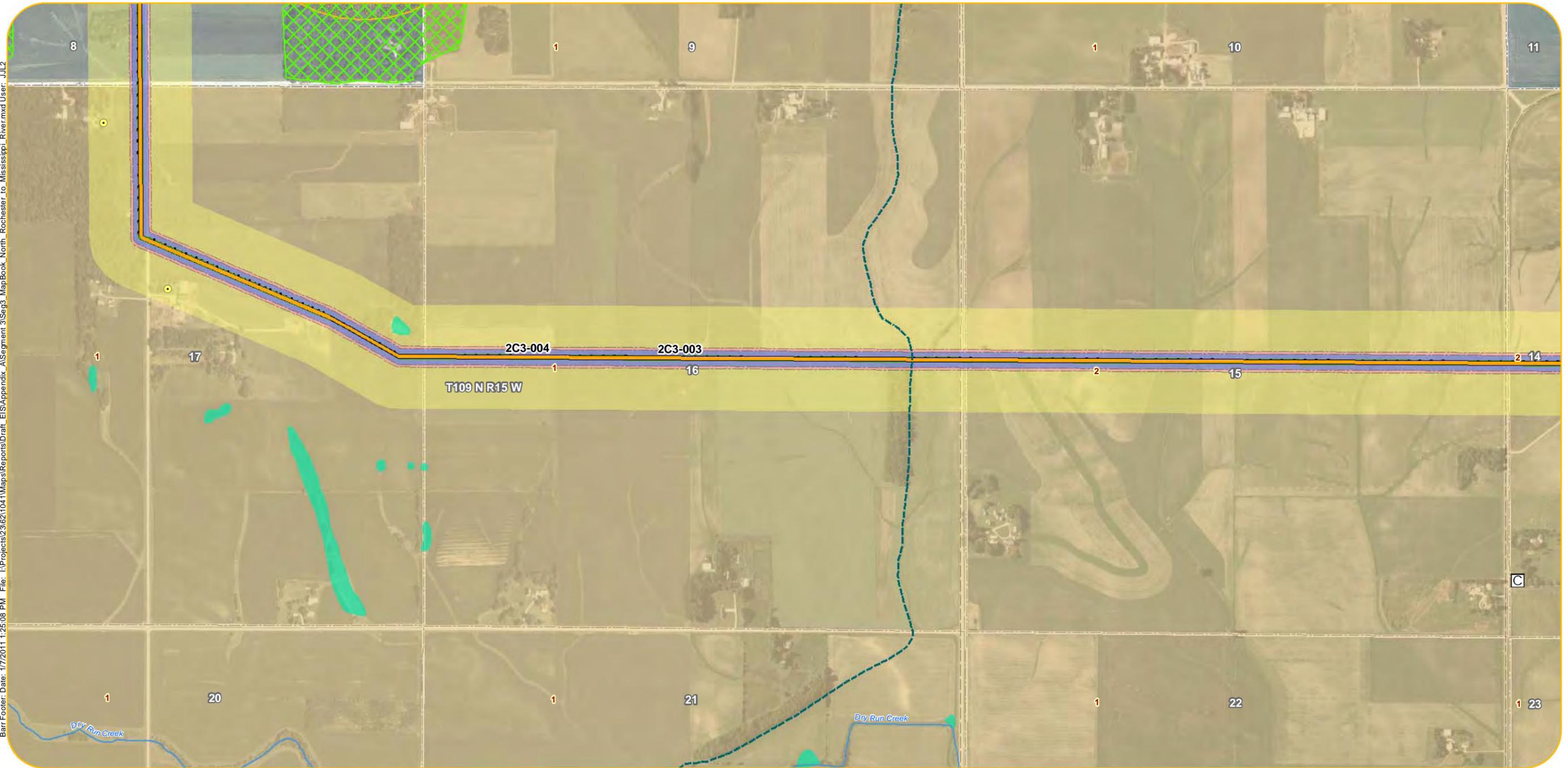


2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

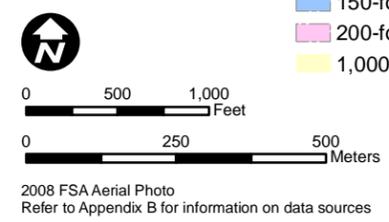
Appendix A - Sheet MR25
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



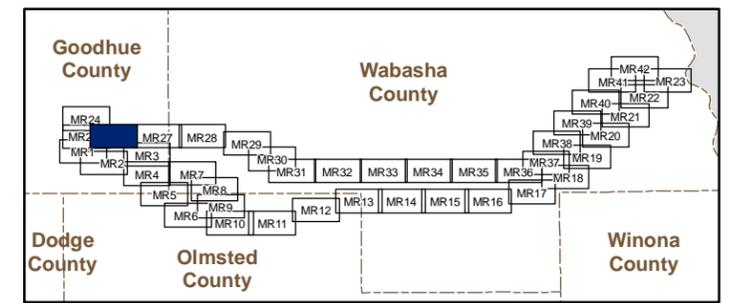
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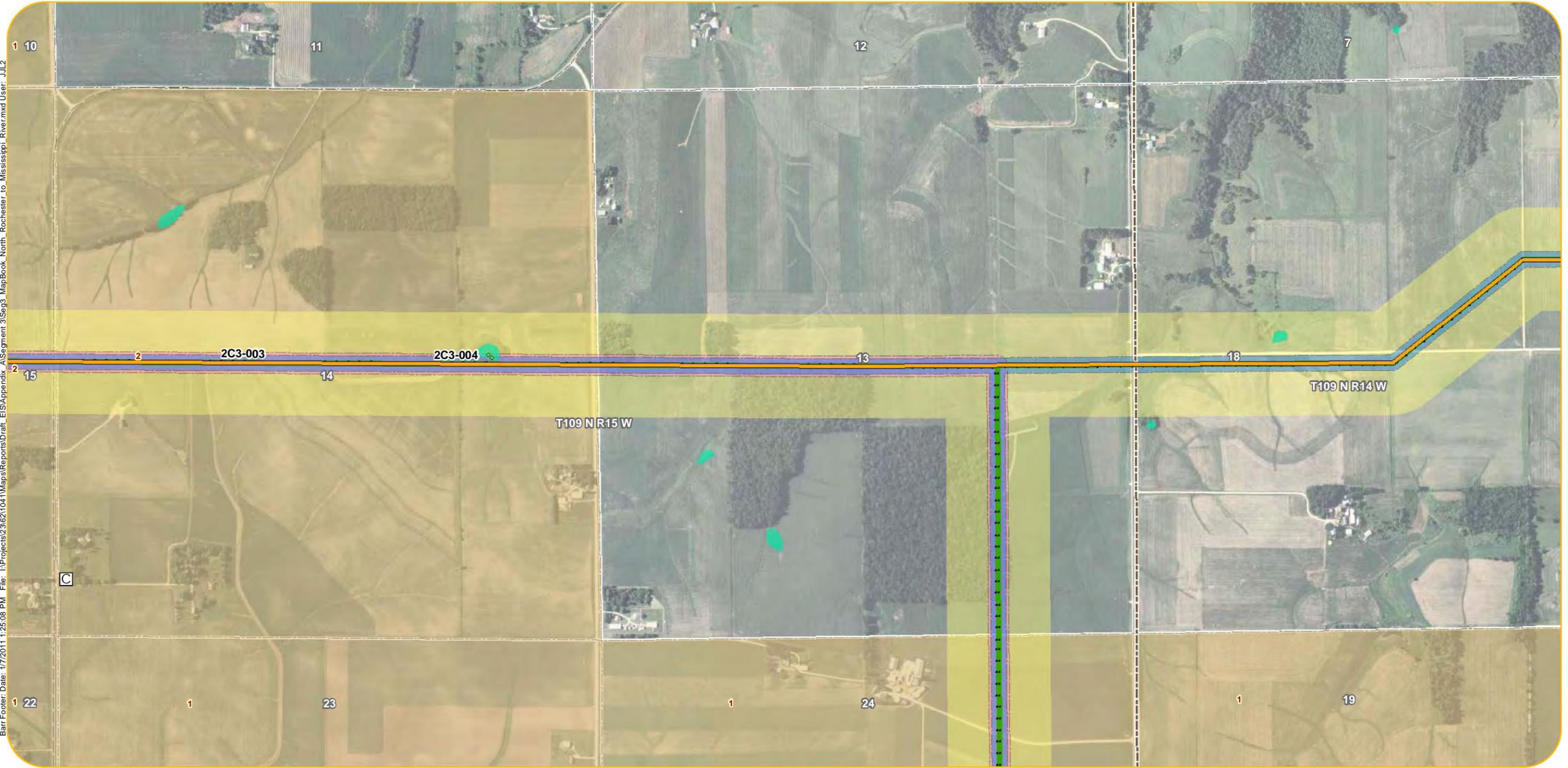
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|---|--|--|---|---|
| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route <p>Additional Alternative Routes</p> <ul style="list-style-type: none"> Variation on P Route Variation on A Route Variation on Both Parallel Alignment 150-foot ROW 200-foot ROW 1,000-foot Route Width | <ul style="list-style-type: none"> Project Substations Residences within 75 Feet of Alternatives Residences within 500 Feet of Alternatives Churches Cemeteries Schools Nursing Homes Hospitals Pinch Points Airport State Designated Railroad Prairie MN DNR Natural Heritage Botanical Ecological Zoological | <ul style="list-style-type: none"> Botanical Ecological Zoological Snowmobile Trail State Existing Trail Scenic Byway Fish Technology Center Fisheries Research Station National Fish Hatchery National Wildlife Refuge Waterfowl Production Area MCBS Biodiversity Significance Moderate Significance High Significance Outstanding Significance Wildlife Management Area Scientific and Natural Area | <ul style="list-style-type: none"> State Park State Forest Tribal Lands Trout Streams Q3 FEMA Floodplain Recreational Scenic Wild Designated Wildlife Lakes Impaired Lakes Impaired Streams Public Water Inventory Basins (includes lakes and wetlands) Public Water Inventory Watercourse NWI Wetlands Wetland Crossings > 1,000 Feet | <p>Wetland Area (acres) within 150-foot ROW</p> <ul style="list-style-type: none"> 0.0 - 0.5 0.6 - 1.0 1.1 - 2.0 2.1 - 3.0 3.1 - 6.1 <p>Archaeological Sites</p> <ul style="list-style-type: none"> 1 - 2 3 - 4 5 - 6 <p>Historical Sites</p> <ul style="list-style-type: none"> 1 - 5 6 - 20 21 - 164 |
|---|--|--|---|---|



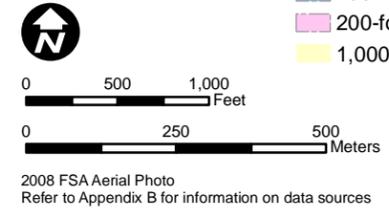
Appendix A - Sheet MR26
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



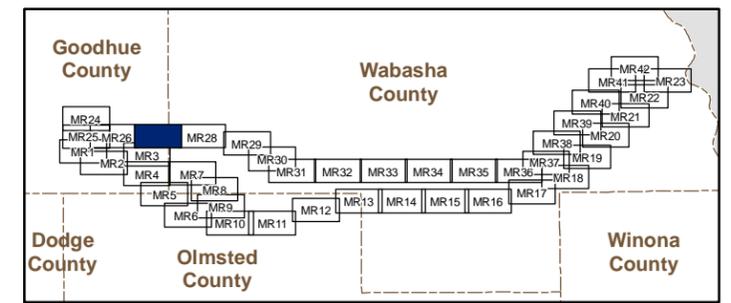
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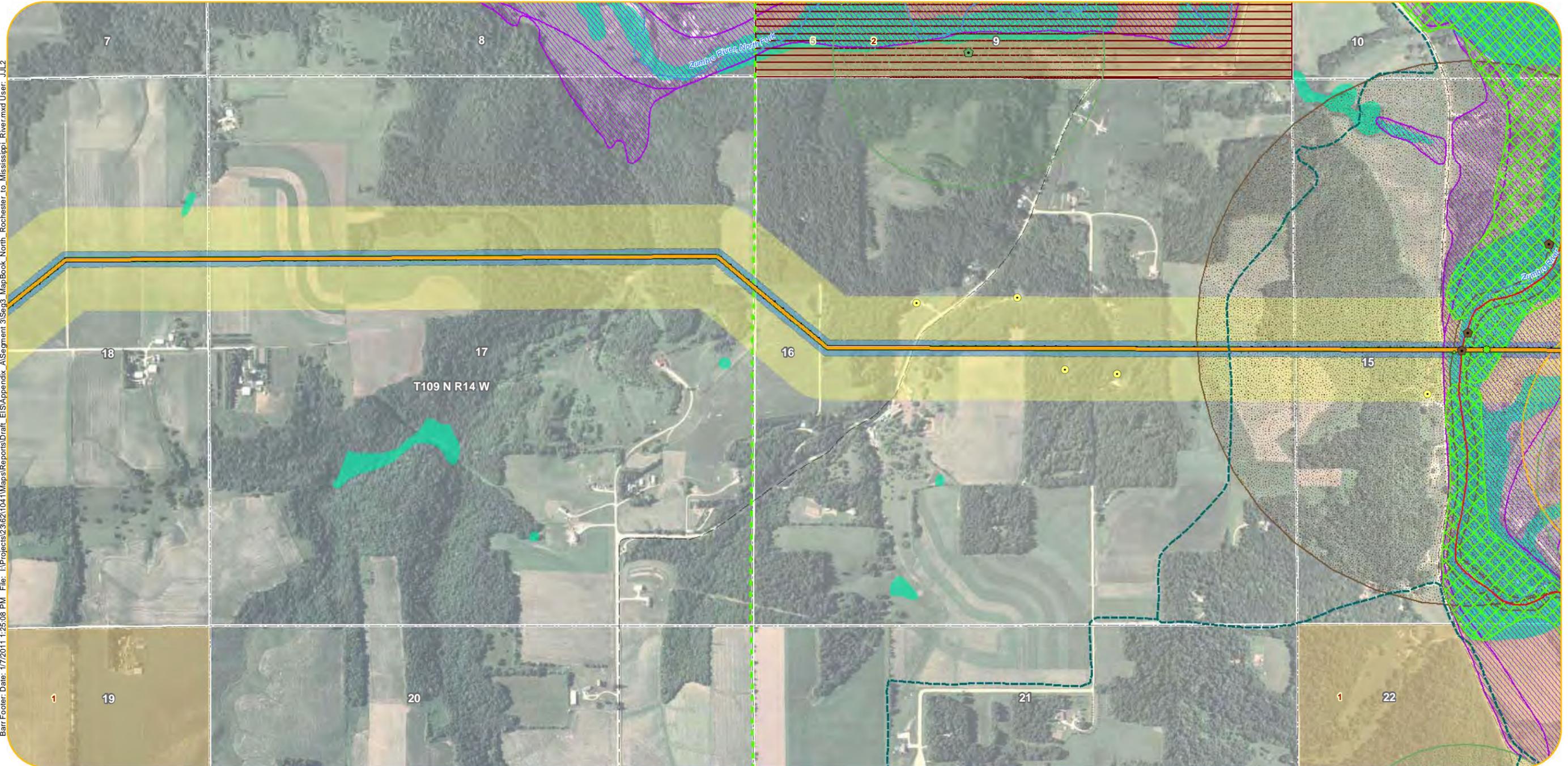
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| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.6 - 1.0 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Trout Streams | 1.1 - 2.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on A Route | Schools | Scenic Byway | Recreational | 3.1 - 6.1 |
| Variation on Both | Nursing Homes | Fish Technology Center | Scenic | Archaeological Sites |
| Parallel Alignment | Hospitals | National Fish Hatchery | Wild | 1 - 2 |
| 150-foot ROW | Pinch Points | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| 200-foot ROW | Airport | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| 1,000-foot Route Width | State Designated Railroad Prairie | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| | MN DNR Natural Heritage | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| | Botanical | High Significance | Public Water Inventory Watercourse | 28 6 - 20 |
| | Ecological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | Zoological | Wildlife Management Area | Wetland Crossings > 1,000 Feet | |
| | | Scientific and Natural Area | | |



Appendix A - Sheet MR27
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

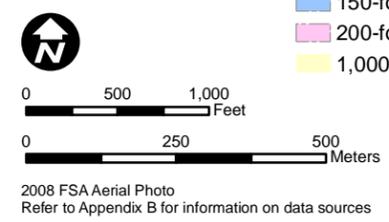


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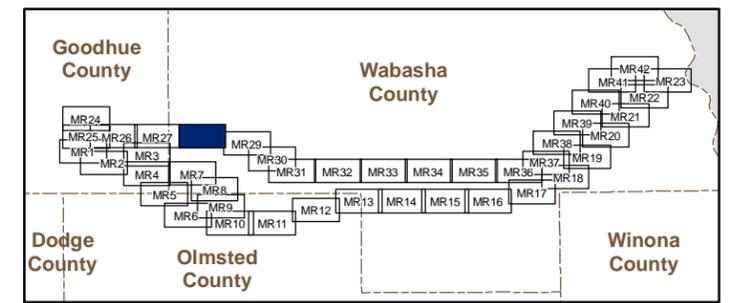


T109 N R14 W

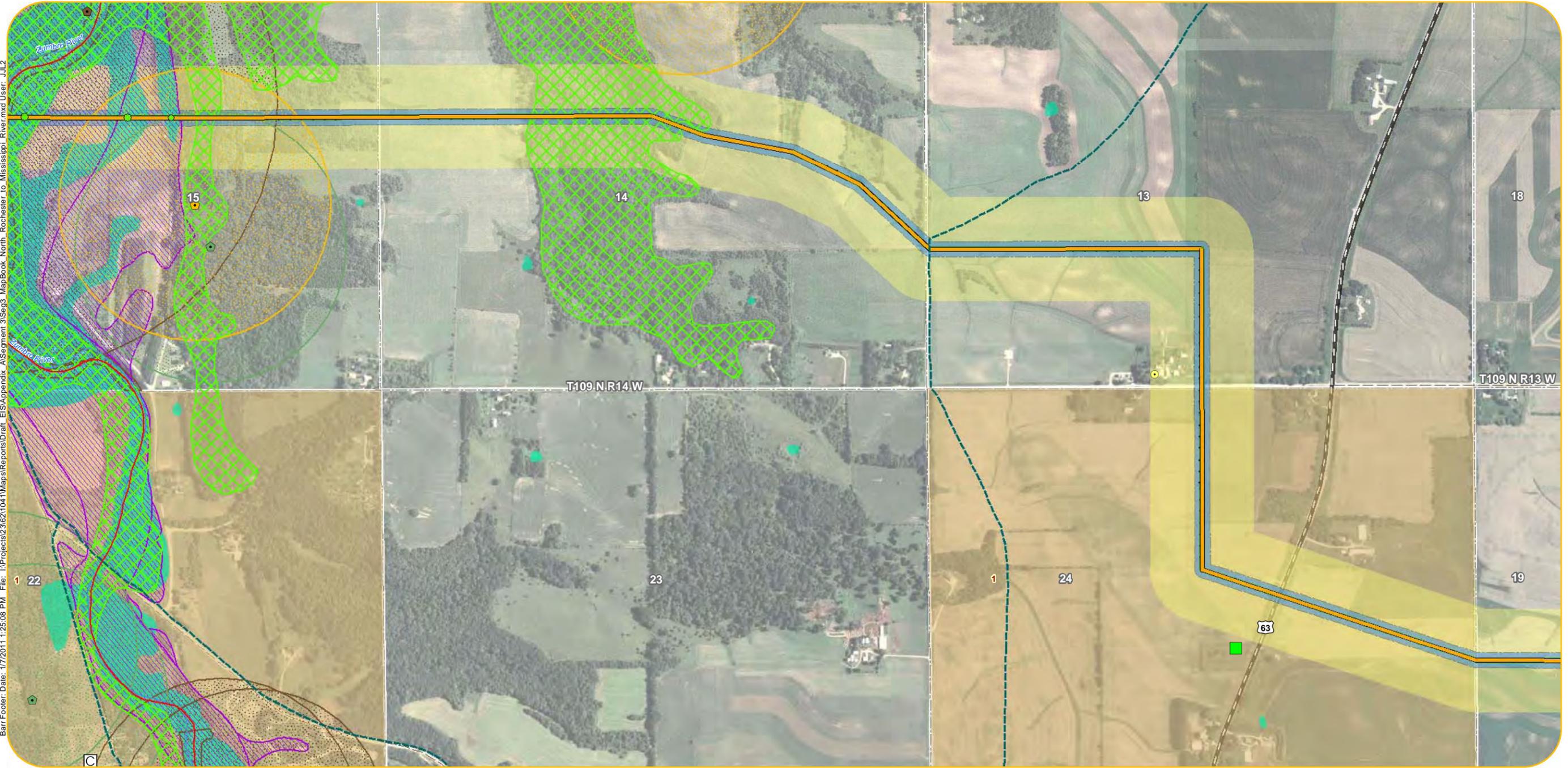
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological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



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

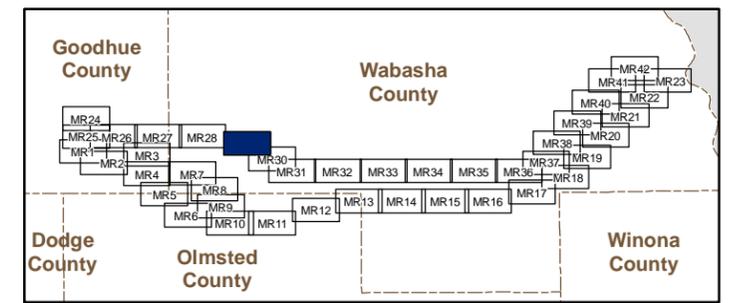


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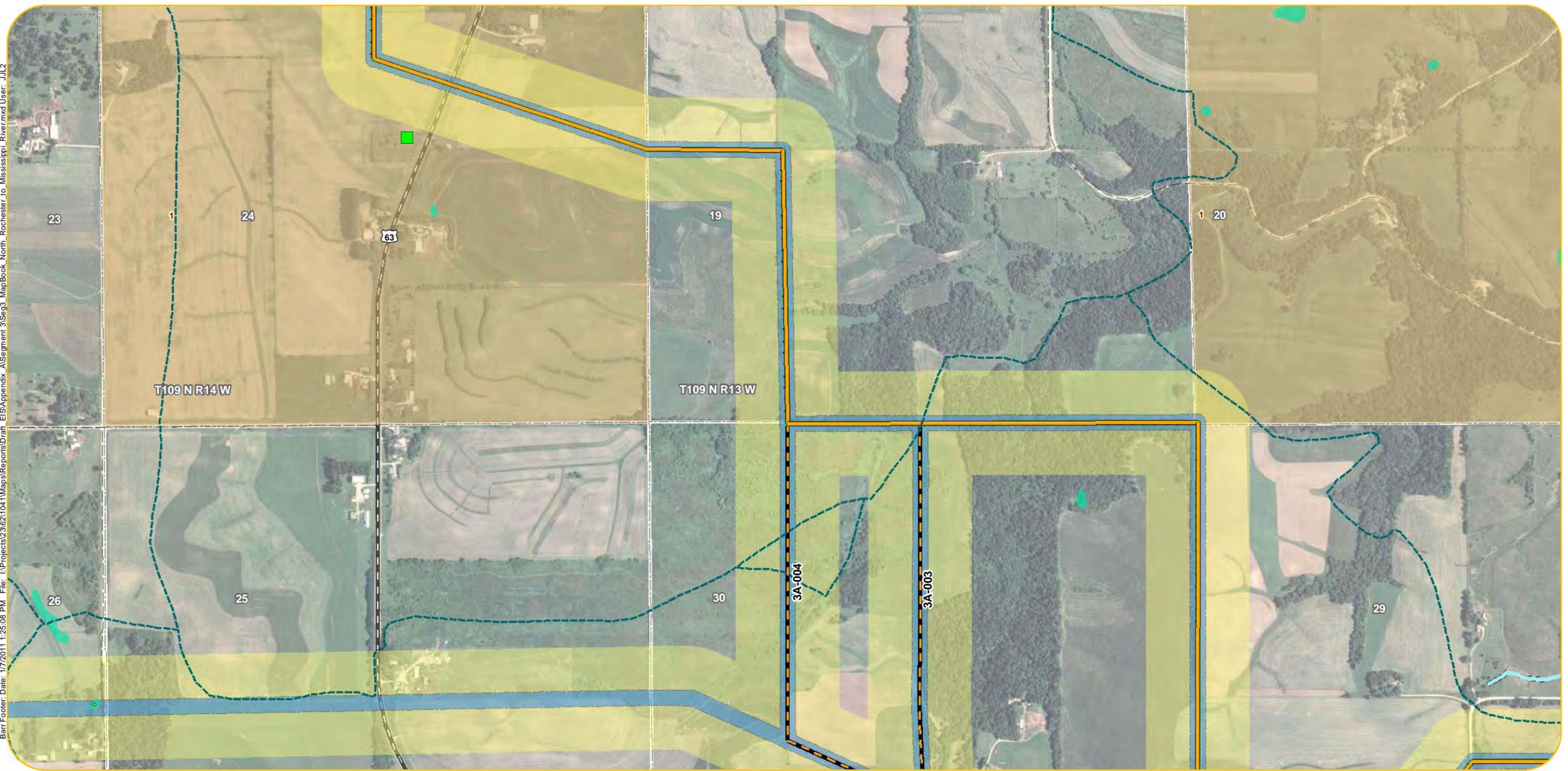
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|--|--|---|---|---|
| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both Parallel Alignment 150-foot ROW 200-foot ROW 1,000-foot Route Width | <ul style="list-style-type: none"> Project Substations Residences within 75 Feet of Alternatives Residences within 500 Feet of Alternatives Churches Cemeteries Schools Nursing Homes Hospitals Pinch Points Airport State Designated Railroad Prairie MN DNR Natural Heritage Botanical Ecological Zoological | <ul style="list-style-type: none"> Botanical Ecological Zoological Snowmobile Trail State Existing Trail Scenic Byway Fish Technology Center National Fish Hatchery National Wildlife Refuge Waterfowl Production Area MCBS Biodiversity Significance Moderate Significance High Significance Outstanding Significance Wildlife Management Area Scientific and Natural Area | <ul style="list-style-type: none"> State Park State Forest Tribal Lands Trout Streams Q3 FEMA Floodplain Recreational Scenic Wild Designated Wildlife Lakes Impaired Lakes Impaired Streams Public Water Inventory Basins (includes lakes and wetlands) Public Water Inventory Watercourse NWI Wetlands Wetland Crossings > 1,000 Feet | <p>Wetland Area (acres) within 150-foot ROW</p> <ul style="list-style-type: none"> 0.0 - 0.5 0.6 - 1.0 1.1 - 2.0 2.1 - 3.0 3.1 - 6.1 <p>Archaeological Sites</p> <ul style="list-style-type: none"> 1 - 2 3 - 4 5 - 6 <p>Historical Sites</p> <ul style="list-style-type: none"> 1 - 5 6 - 20 21 - 164 |
|--|--|---|---|---|

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

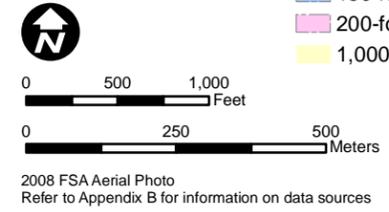


0 500 1,000 Feet
0 250 500 Meters
2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

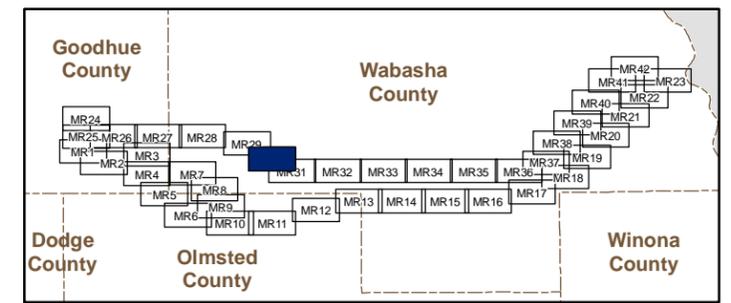
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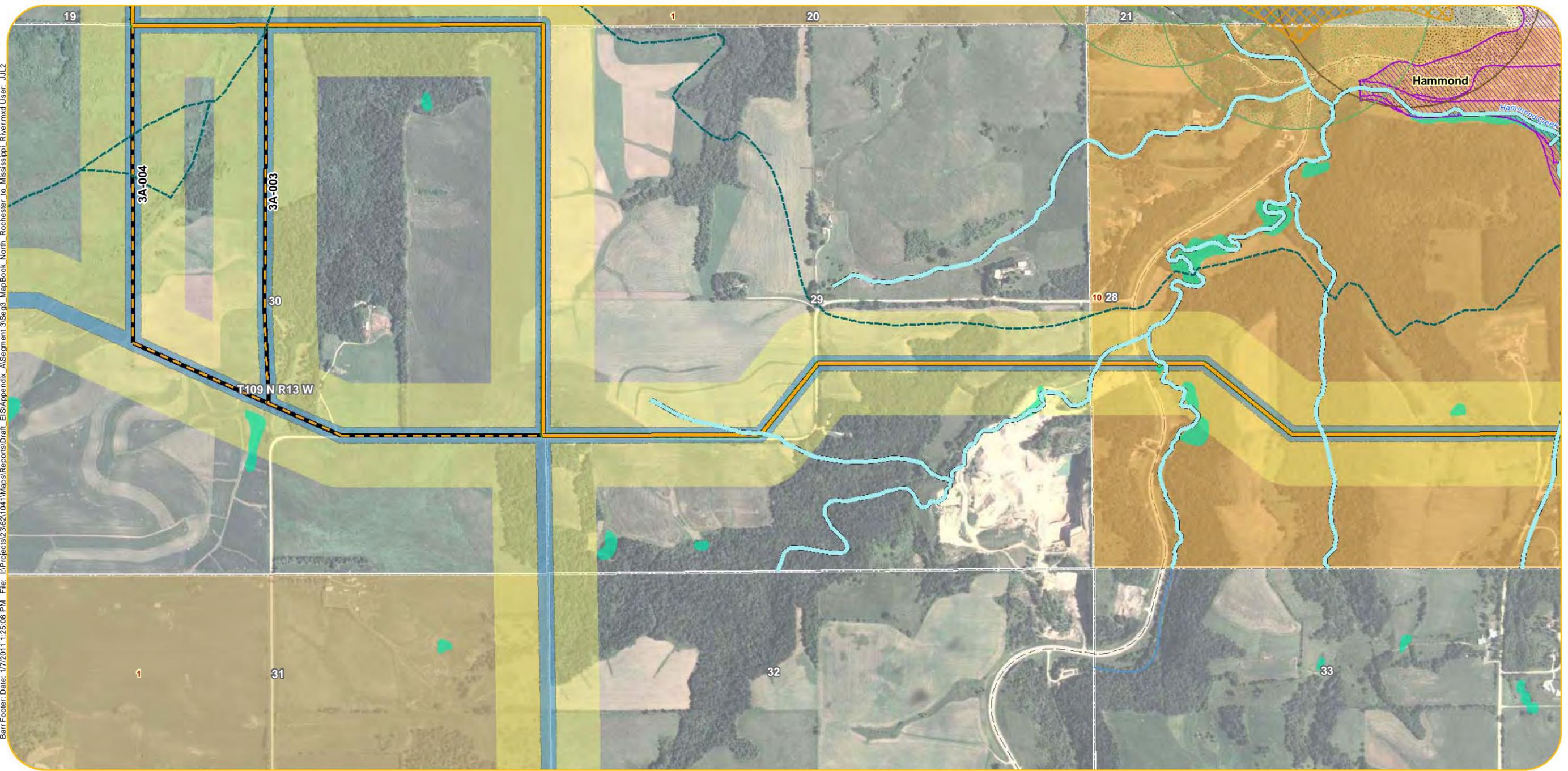
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| <ul style="list-style-type: none"> Original Alignments P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both Parallel Alignment 150-foot ROW 200-foot ROW 1,000-foot Route Width | <ul style="list-style-type: none"> Project Substations Residences within 75 Feet of Alternatives Residences within 500 Feet of Alternatives Churches Cemeteries Schools Nursing Homes Hospitals Pinch Points Airport State Designated Railroad Prairie MN DNR Natural Heritage Botanical Ecological Zoological | <ul style="list-style-type: none"> Botanical Ecological Zoological Snowmobile Trail State Existing Trail Scenic Byway Fish Technology Center National Fish Hatchery National Wildlife Refuge Waterfowl Production Area MCBS Biodiversity Significance Moderate Significance High Significance Outstanding Significance Wildlife Management Area Scientific and Natural Area | <ul style="list-style-type: none"> State Park State Forest Tribal Lands Trout Streams Q3 FEMA Floodplain Recreational Scenic Wild Designated Wildlife Lakes Impaired Lakes Impaired Streams Public Water Inventory Basins (includes lakes and wetlands) Public Water Inventory Watercourse NWI Wetlands Wetland Crossings > 1,000 Feet | <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 |
|---|---|---|--|---|



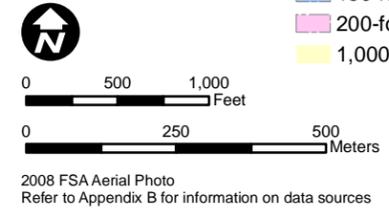
Appendix A - Sheet MR30
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



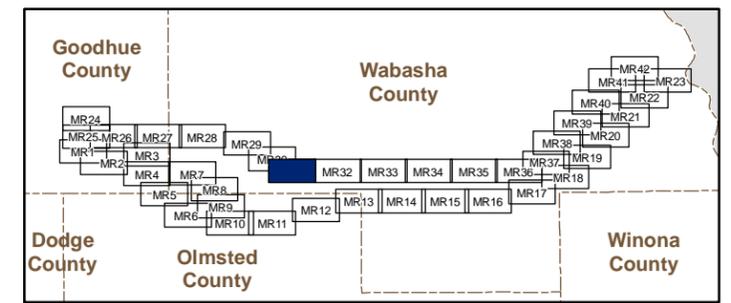
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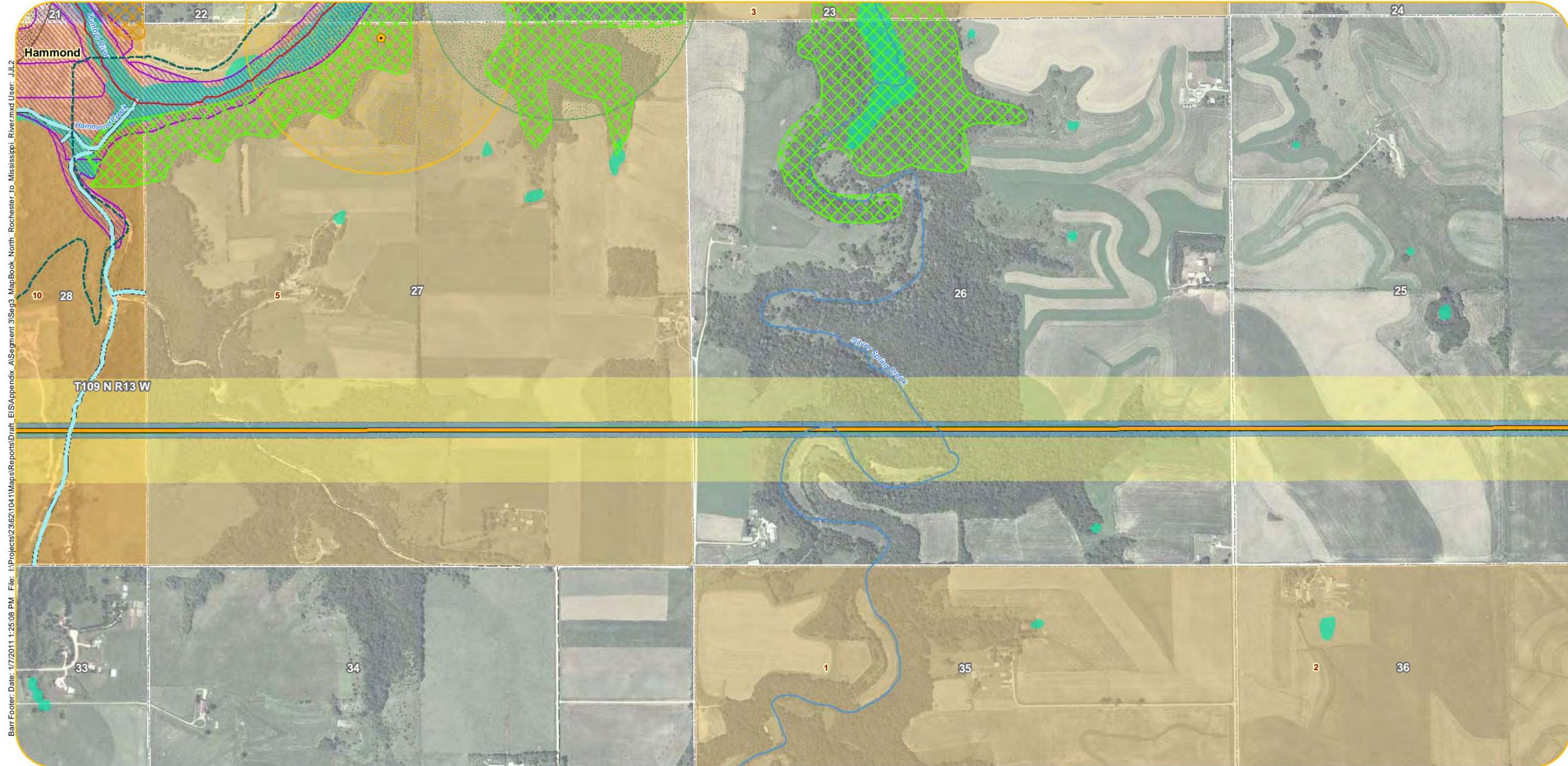


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| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route <p>Additional Alternative Routes</p> <ul style="list-style-type: none"> Variation on P Route Variation on A Route Variation on Both Parallel Alignment 150-foot ROW 200-foot ROW 1,000-foot Route Width | <ul style="list-style-type: none"> Project Substations Residences within 75 Feet of Alternatives Residences within 500 Feet of Alternatives Churches Cemeteries Schools Nursing Homes Hospitals Pinch Points Airport State Designated Railroad Prairie <p>MN DNR Natural Heritage</p> <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 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 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 |
|---|---|---|---|---|



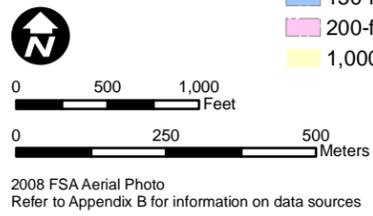
Appendix A - Sheet MR31
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



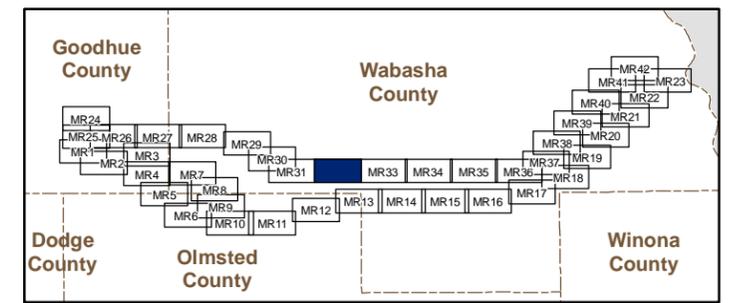


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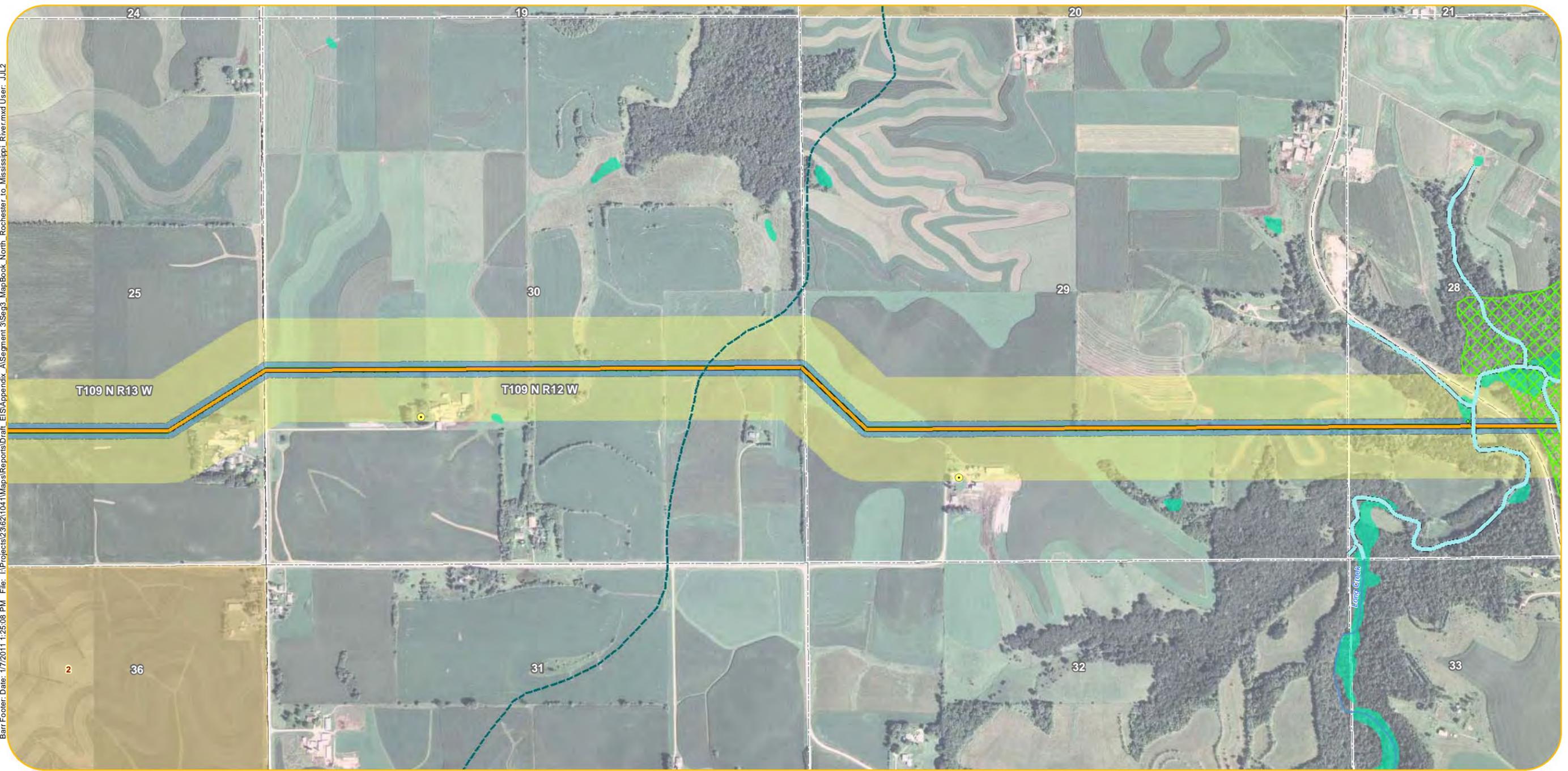
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|---|---|---|---|---|
| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route <p>Additional Alternative Routes</p> <ul style="list-style-type: none"> Variation on P Route Variation on A Route Variation on Both Parallel Alignment 150-foot ROW 200-foot ROW 1,000-foot Route Width | <ul style="list-style-type: none"> Project Substations Residences within 75 Feet of Alternatives Residences within 500 Feet of Alternatives Churches Cemeteries Schools Nursing Homes Hospitals Pinch Points Airport State Designated Railroad Prairie <p>MN DNR Natural Heritage</p> <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 National Fish Hatchery National Wildlife Refuge Waterfowl Production Area MCBS Biodiversity Significance Moderate Significance High Significance Outstanding Significance Wildlife Management Area Scientific and Natural Area | <ul style="list-style-type: none"> State Park State Forest Tribal Lands Trout Streams Q3 FEMA Floodplain Recreational Scenic Wild Designated Wildlife Lakes Impaired Lakes Impaired Streams Public Water Inventory Basins (includes lakes and wetlands) Public Water Inventory Watercourse NWI Wetlands Wetland Crossings > 1,000 Feet | <p>Wetland Area (acres) within 150-foot ROW</p> <ul style="list-style-type: none"> 0.0 - 0.5 0.6 - 1.0 1.1 - 2.0 2.1 - 3.0 3.1 - 6.1 <p>Archaeological Sites</p> <ul style="list-style-type: none"> 1 - 2 3 - 4 5 - 6 <p>Historical Sites</p> <ul style="list-style-type: none"> 1 - 5 6 - 20 21 - 164 |
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Appendix A - Sheet MR32
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

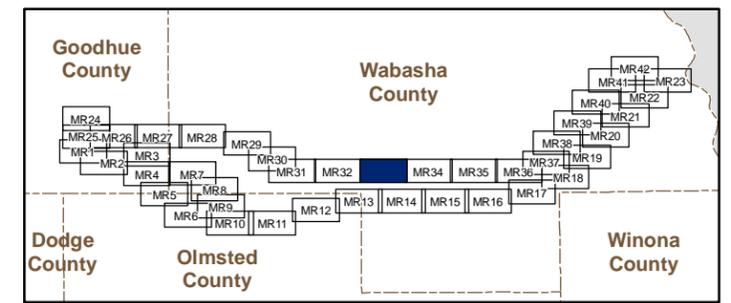


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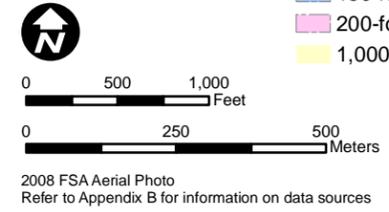
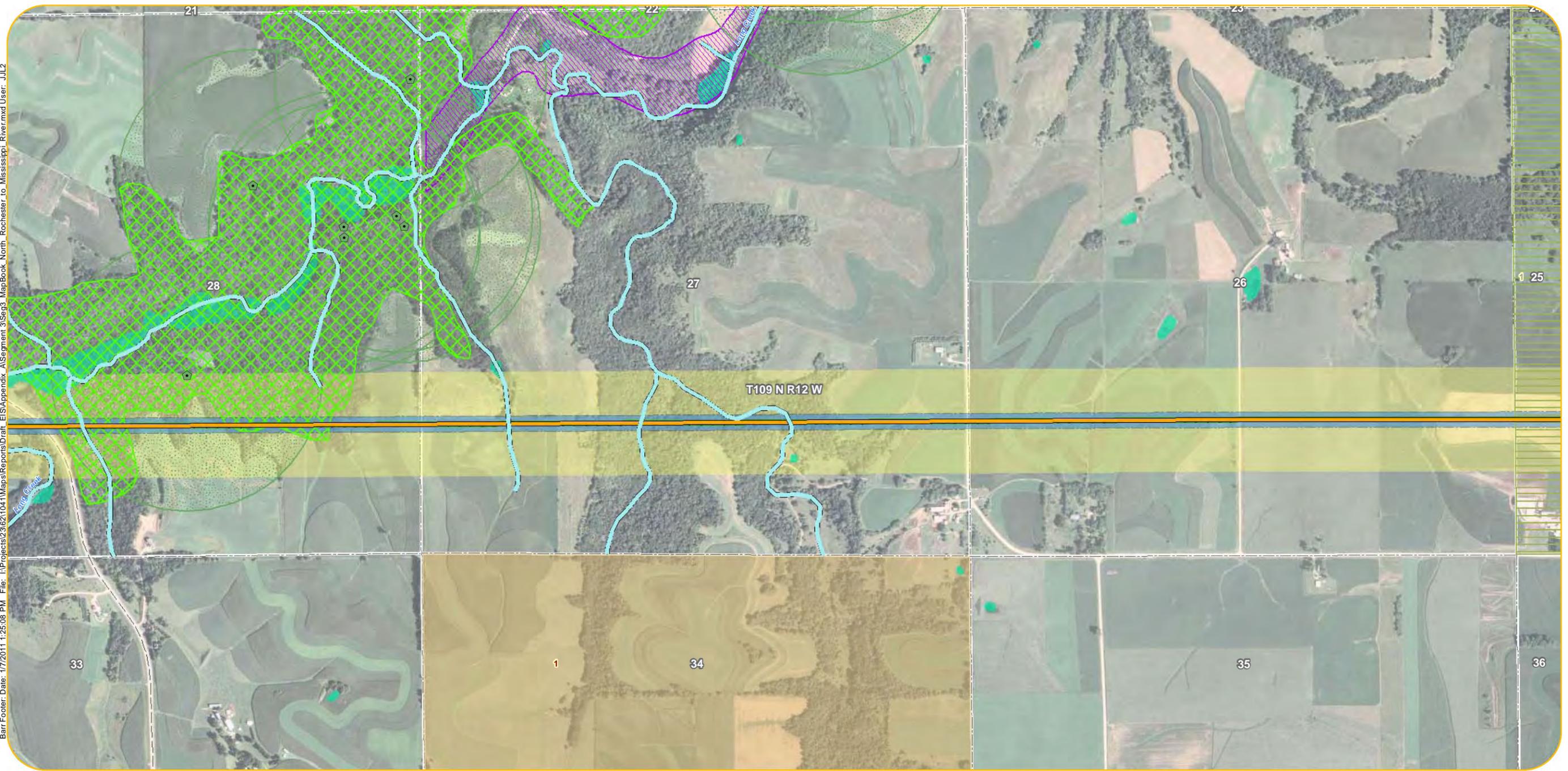
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological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

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



0 500 1,000 Feet
0 250 500 Meters
2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

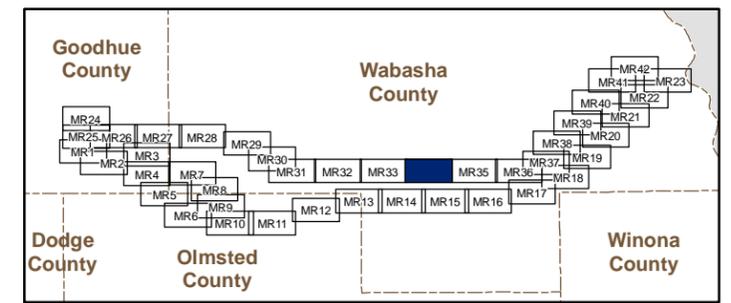
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2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

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

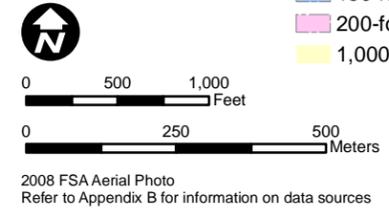
Appendix A - Sheet MR34
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



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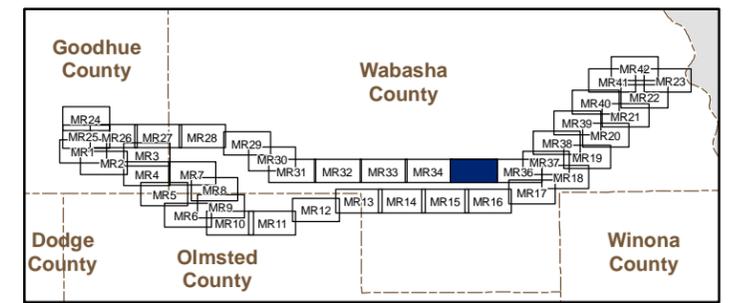


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|---|---|--|---|---|
| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route <p>Additional Alternative Routes</p> <ul style="list-style-type: none"> Variation on P Route Variation on A Route Variation on Both Parallel Alignment 150-foot ROW 200-foot ROW 1,000-foot Route Width | <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 <p>MN DNR Natural Heritage</p> <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 Moderate Significance High Significance Outstanding Significance Wildlife Management Area Scientific and Natural Area | <ul style="list-style-type: none"> State Park State Forest Tribal Lands Trout Streams Q3 FEMA Floodplain Recreational Scenic Wild Designated Wildlife Lakes Impaired Lakes Impaired Streams Public Water Inventory Basins (includes lakes and wetlands) Public Water Inventory Watercourse NWI Wetlands Wetland Crossings > 1,000 Feet | <p>Wetland Area (acres) within 150-foot ROW</p> <ul style="list-style-type: none"> 0.0 - 0.5 0.6 - 1.0 1.1 - 2.0 2.1 - 3.0 3.1 - 6.1 <p>Archaeological Sites</p> <ul style="list-style-type: none"> 1 - 2 3 - 4 5 - 6 <p>Historical Sites</p> <ul style="list-style-type: none"> 1 - 5 6 - 20 21 - 164 |
|---|---|--|---|---|

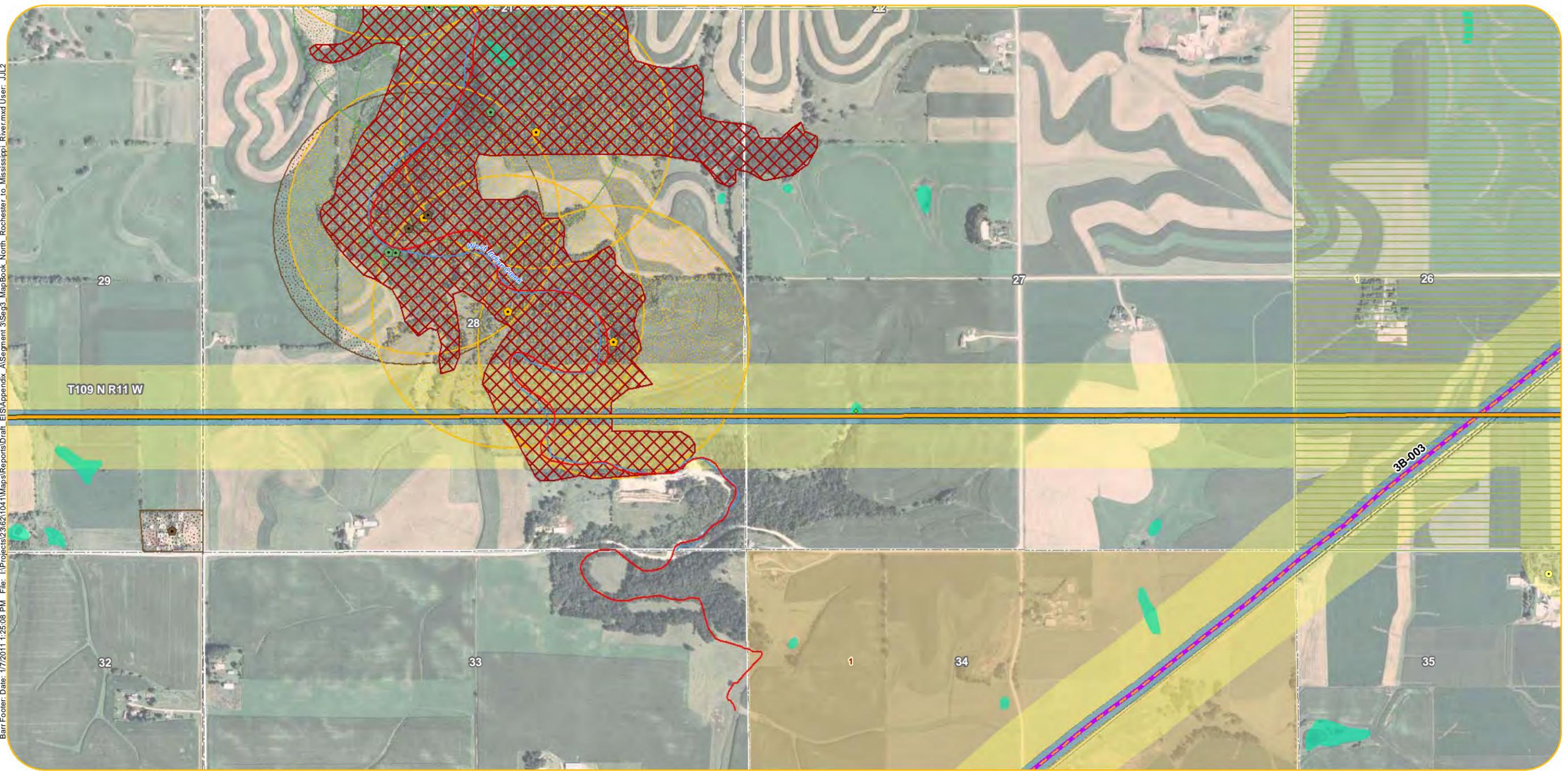


2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

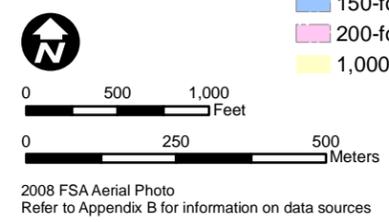
Appendix A - Sheet MR35
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



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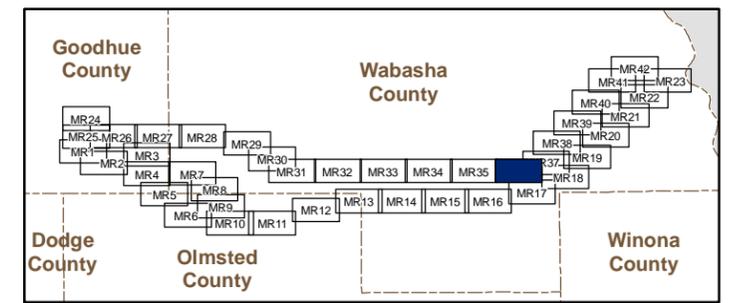


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|---|---|---|---|---|
| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route <p>Additional Alternative Routes</p> <ul style="list-style-type: none"> Variation on P Route Variation on A Route Variation on Both Parallel Alignment 150-foot ROW 200-foot ROW 1,000-foot Route Width | <ul style="list-style-type: none"> Project Substations Residences within 75 Feet of Alternatives Residences within 500 Feet of Alternatives Churches Cemeteries Schools Nursing Homes Hospitals Pinch Points Airport State Designated Railroad Prairie <p>MN DNR Natural Heritage</p> <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 <p>MCBS Biodiversity Significance</p> <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 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 |
|---|---|---|---|---|

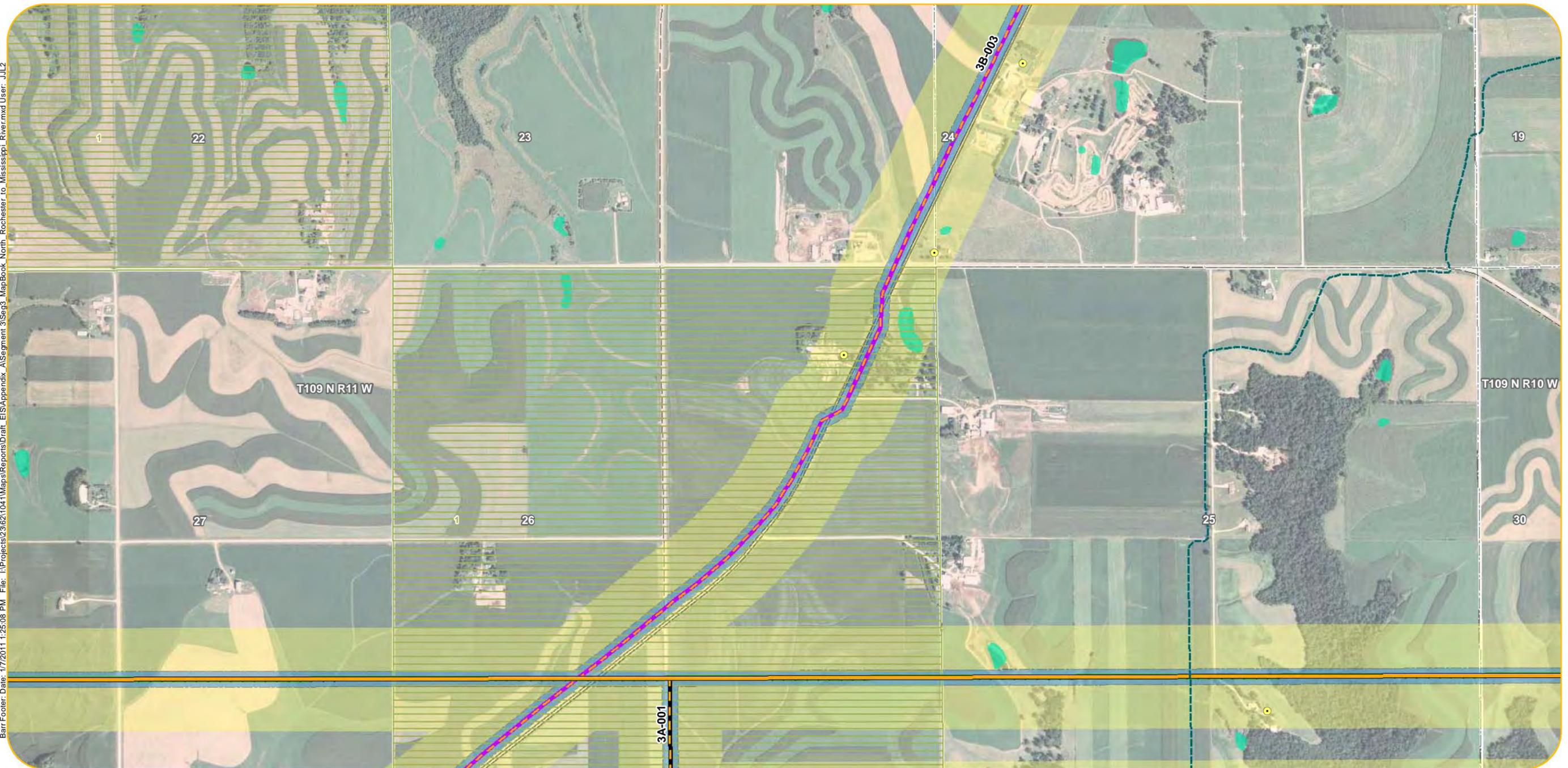


2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

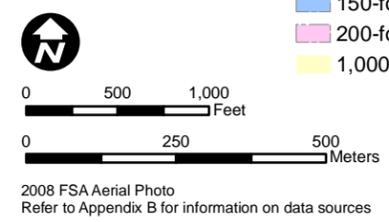
Appendix A - Sheet MR36
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



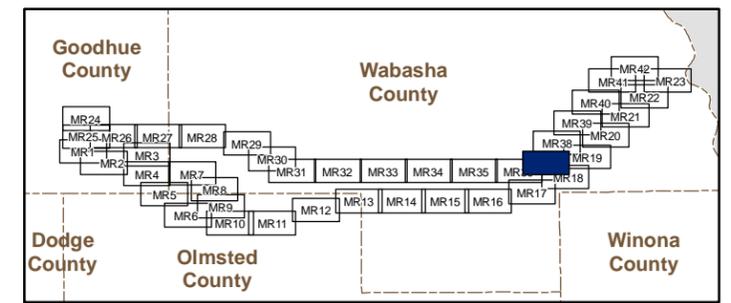
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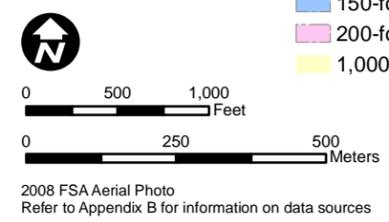
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological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



Appendix A - Sheet MR37
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

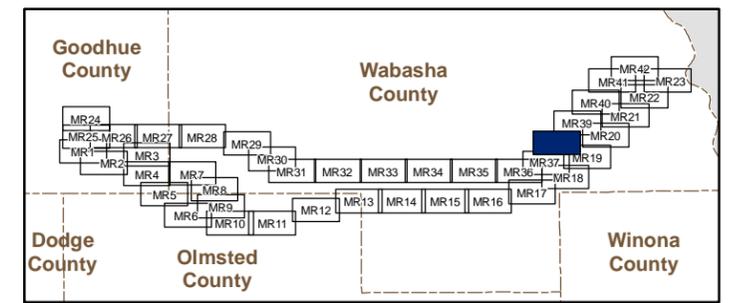


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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological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

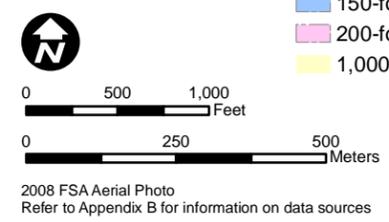
Appendix A - Sheet MR38
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



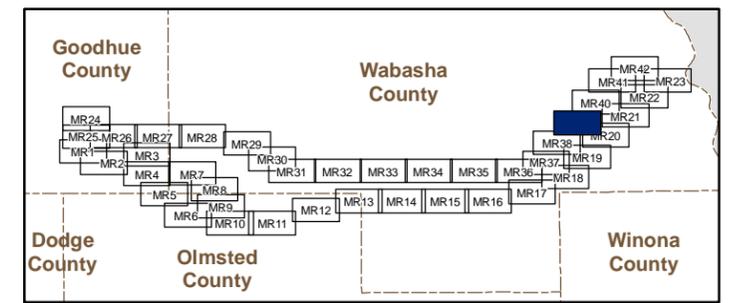
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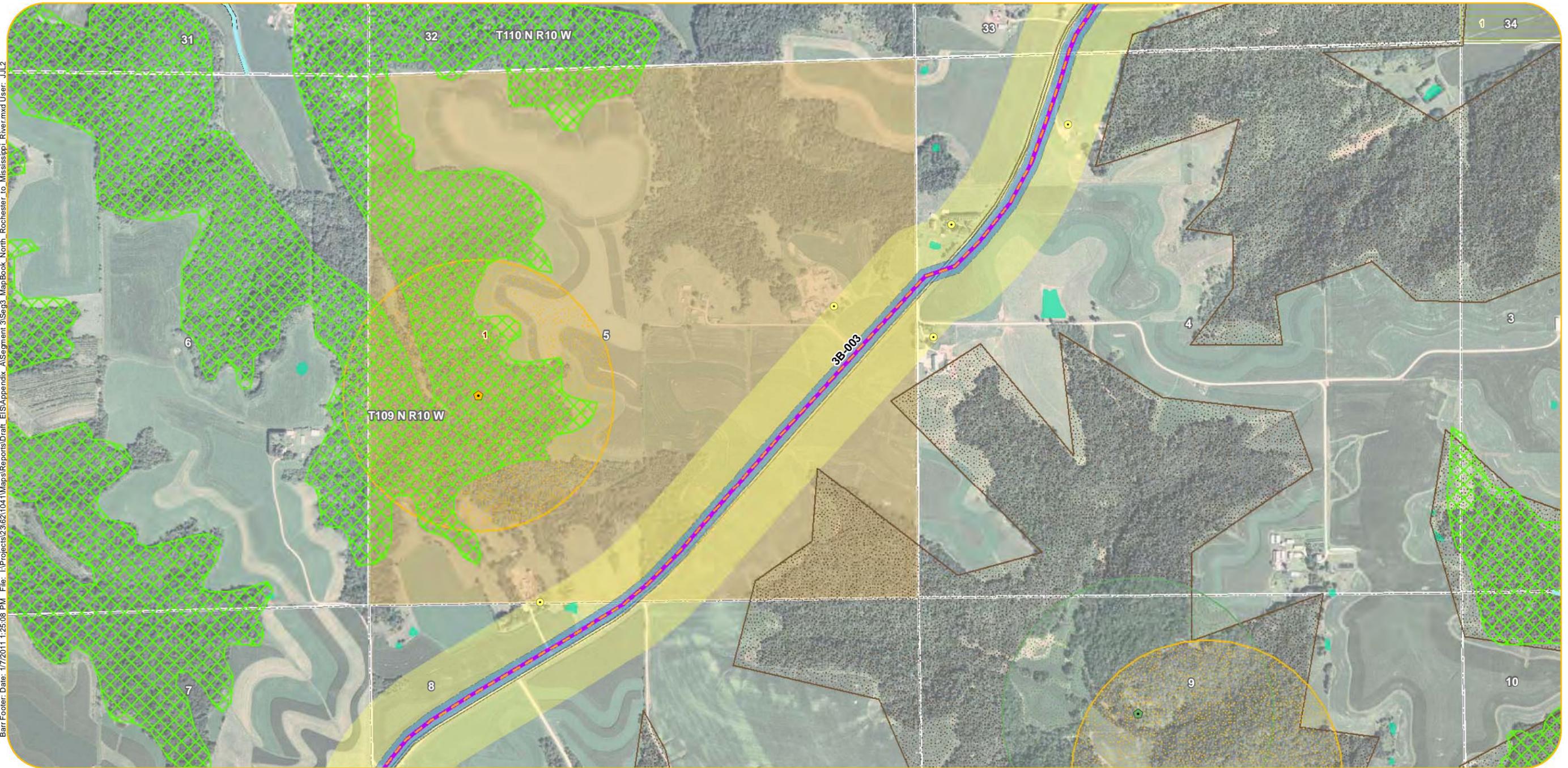
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|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological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



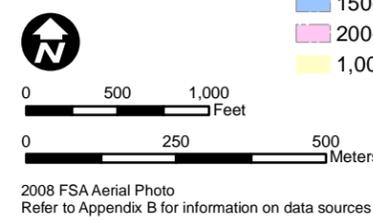
Appendix A - Sheet MR39
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



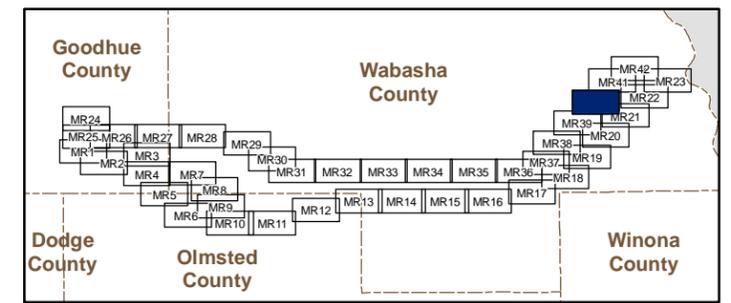
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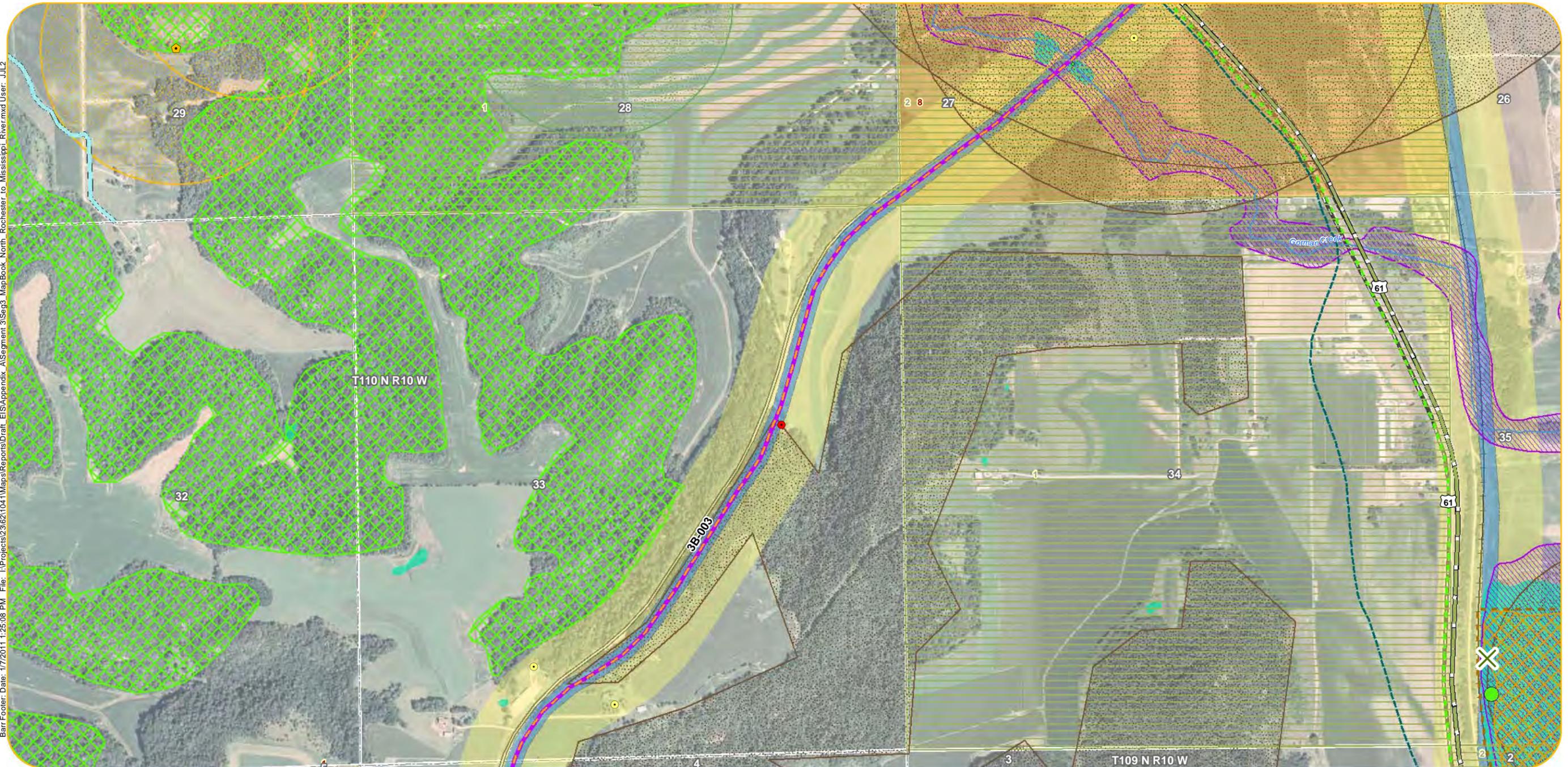
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| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route <p>Additional Alternative Routes</p> <ul style="list-style-type: none"> Variation on P Route Variation on A Route Variation on Both Parallel Alignment 150-foot ROW 200-foot ROW 1,000-foot Route Width | <ul style="list-style-type: none"> Project Substations Residences within 75 Feet of Alternatives Residences within 500 Feet of Alternatives Churches Cemeteries Schools Nursing Homes Hospitals Pinch Points Airport State Designated Railroad Prairie <p>MN DNR Natural Heritage</p> <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 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 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 |
|---|---|---|---|---|



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



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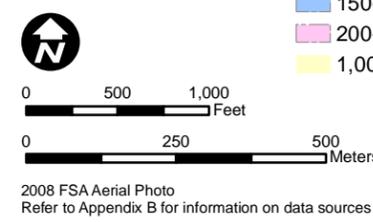
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- P Route
- A Route
- Additional Alternative Routes
- Variation on P Route
- Variation on A Route
- Variation on Both
- Parallel Alignment
- 150-foot ROW
- 200-foot ROW
- 1,000-foot Route Width

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

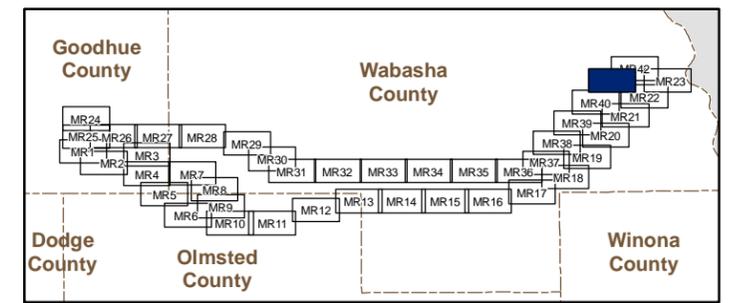
- Botanical
- Ecological
- Zoological
- Snowmobile Trail
- State Existing Trail
- Scenic Byway
- Fish Technology Center
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance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

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

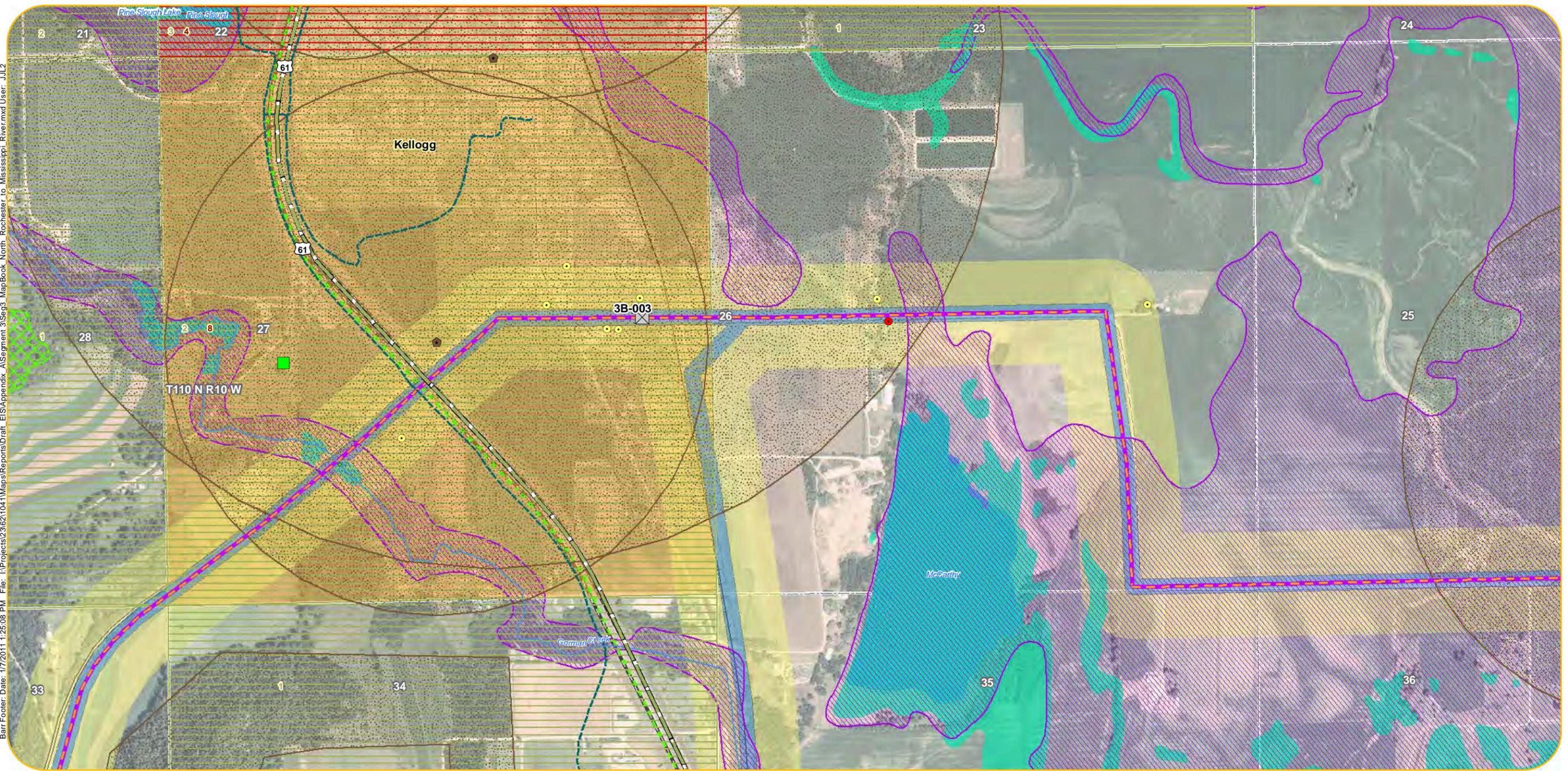
- Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 1.0
- 1.1 - 2.0
- 2.1 - 3.0
- 3.1 - 6.1
- Archaeological Sites
- 1 - 2
- 3 - 4
- 5 - 6
- Historical Sites
- 1 - 5
- 6 - 20
- 21 - 164



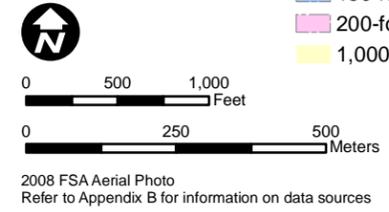
Appendix A - Sheet MR41
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



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| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route <p>Additional Alternative Routes</p> <ul style="list-style-type: none"> Variation on P Route Variation on A Route Variation on Both Parallel Alignment 150-foot ROW 200-foot ROW 1,000-foot Route Width | <ul style="list-style-type: none"> Project Substations Residences within 75 Feet of Alternatives Residences within 500 Feet of Alternatives Churches Cemeteries Schools Nursing Homes Hospitals Pinch Points Airport State Designated Railroad Prairie <p>MN DNR Natural Heritage</p> <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 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 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 |
|---|---|---|---|---|



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

