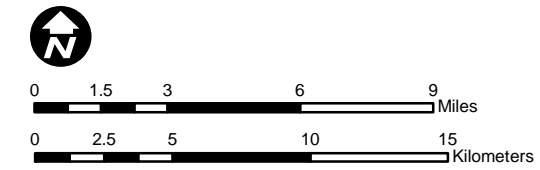
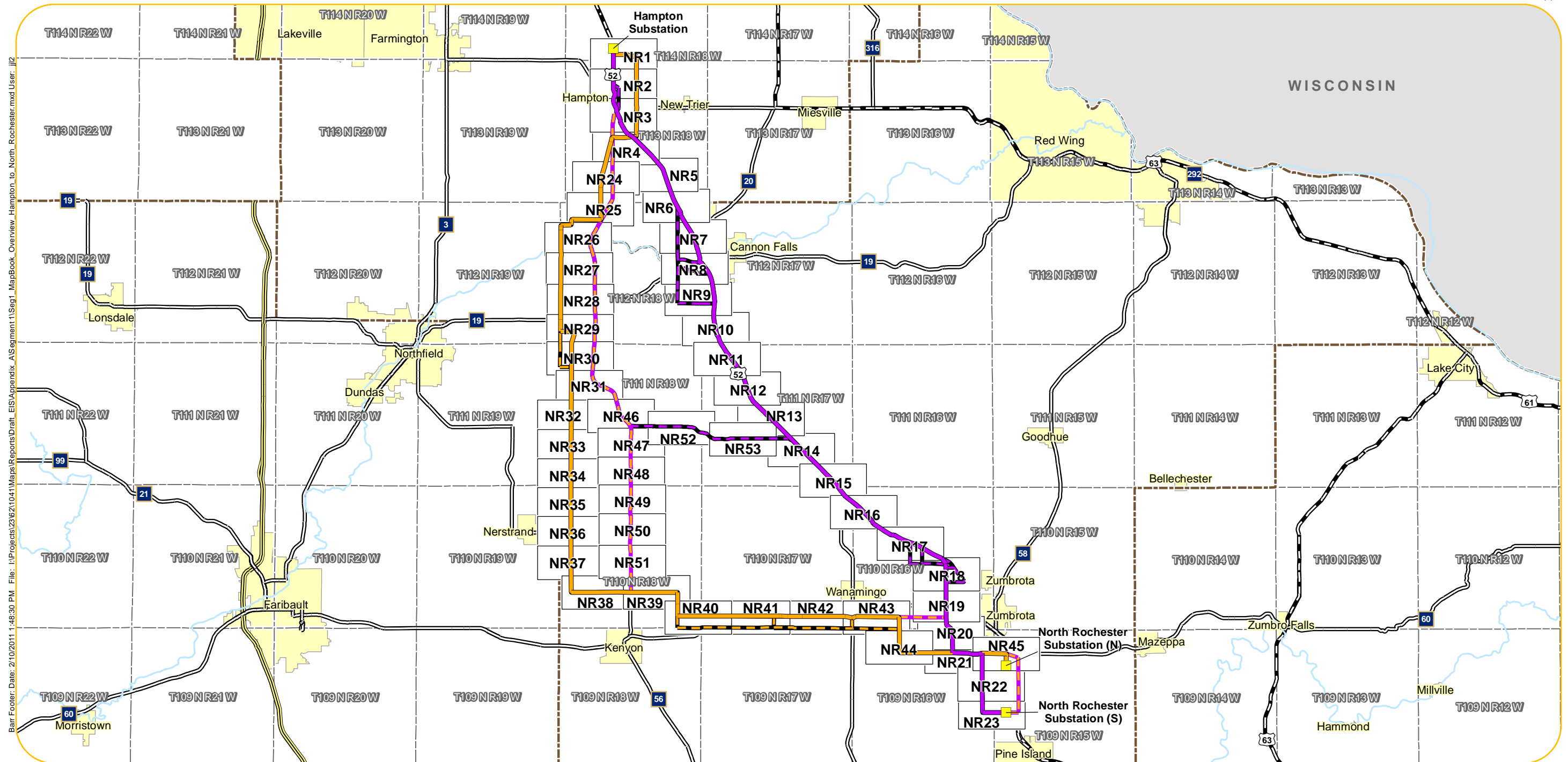
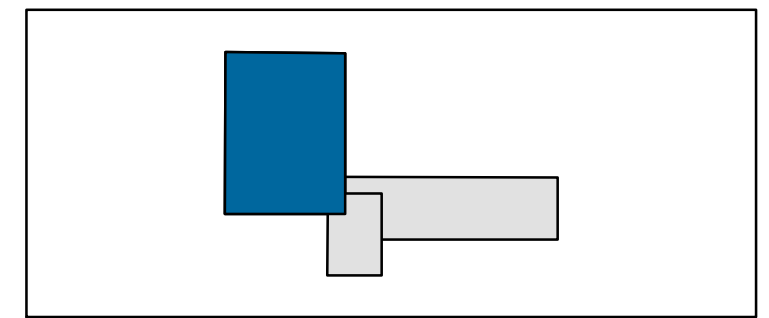


Appendix E – Detailed Route Maps from the Minnesota Final EIS



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

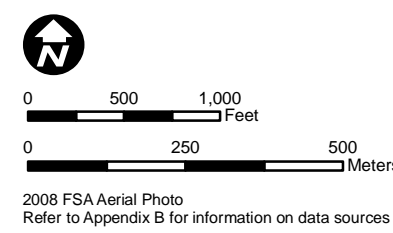
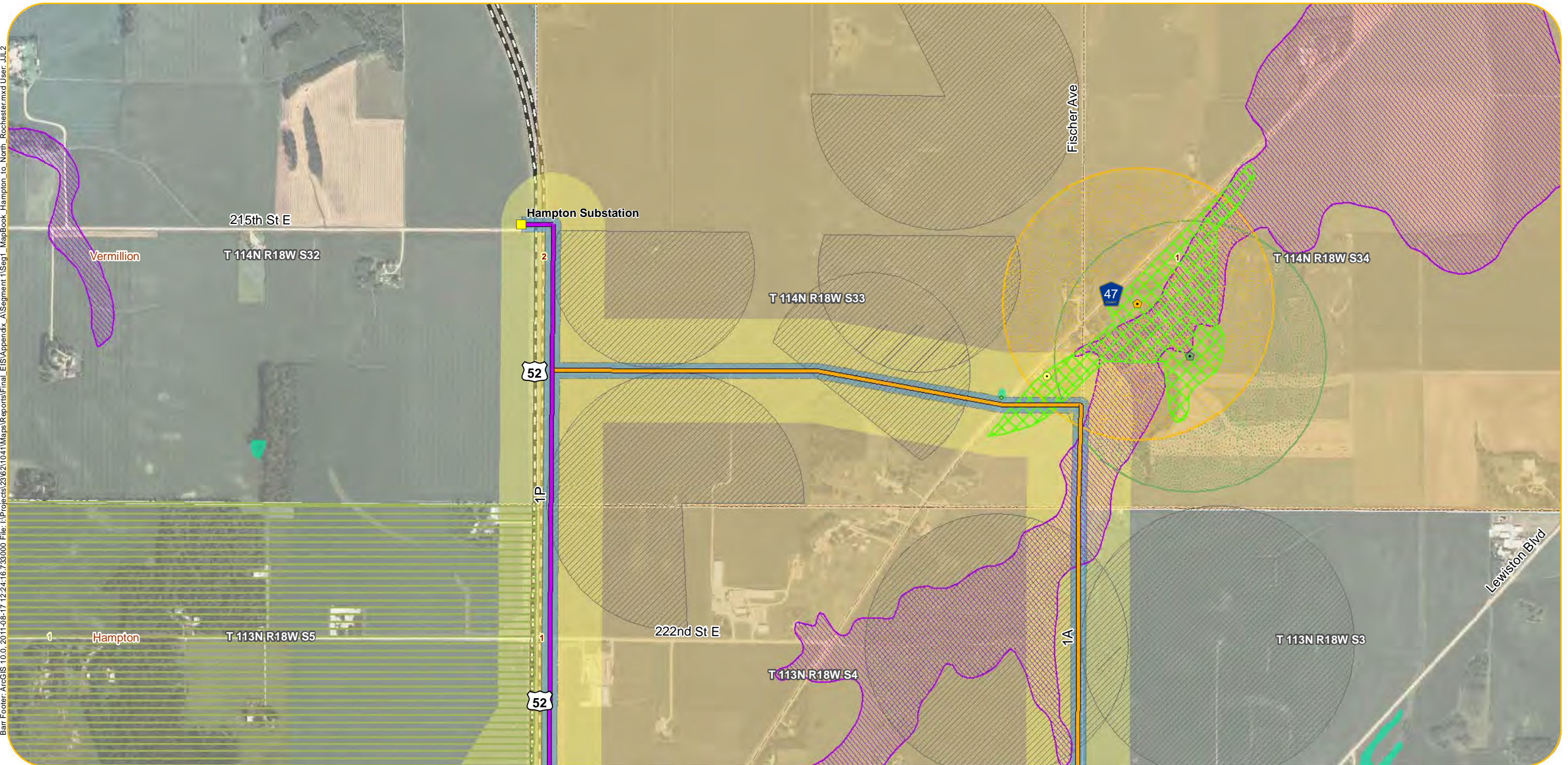
Appendix A - Overview Map Segment 1, Hampton Substation to North Rochester Substation



Refer to Appendix B for information on data sources

This page left blank intentionally.

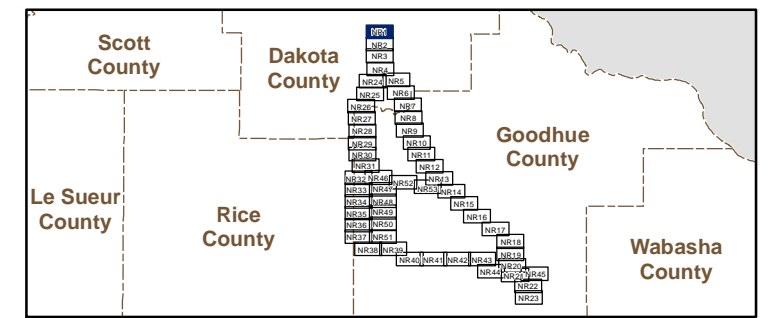
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\23621041\Maps\Reports\Final EIS\Appendix A\Segment 1\Seg1_MapBook_Hampton_to_North_Rochester.mxd User: JLL



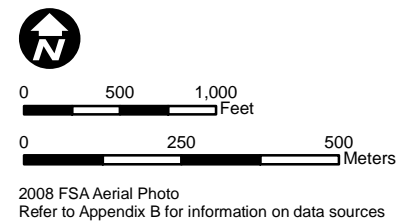
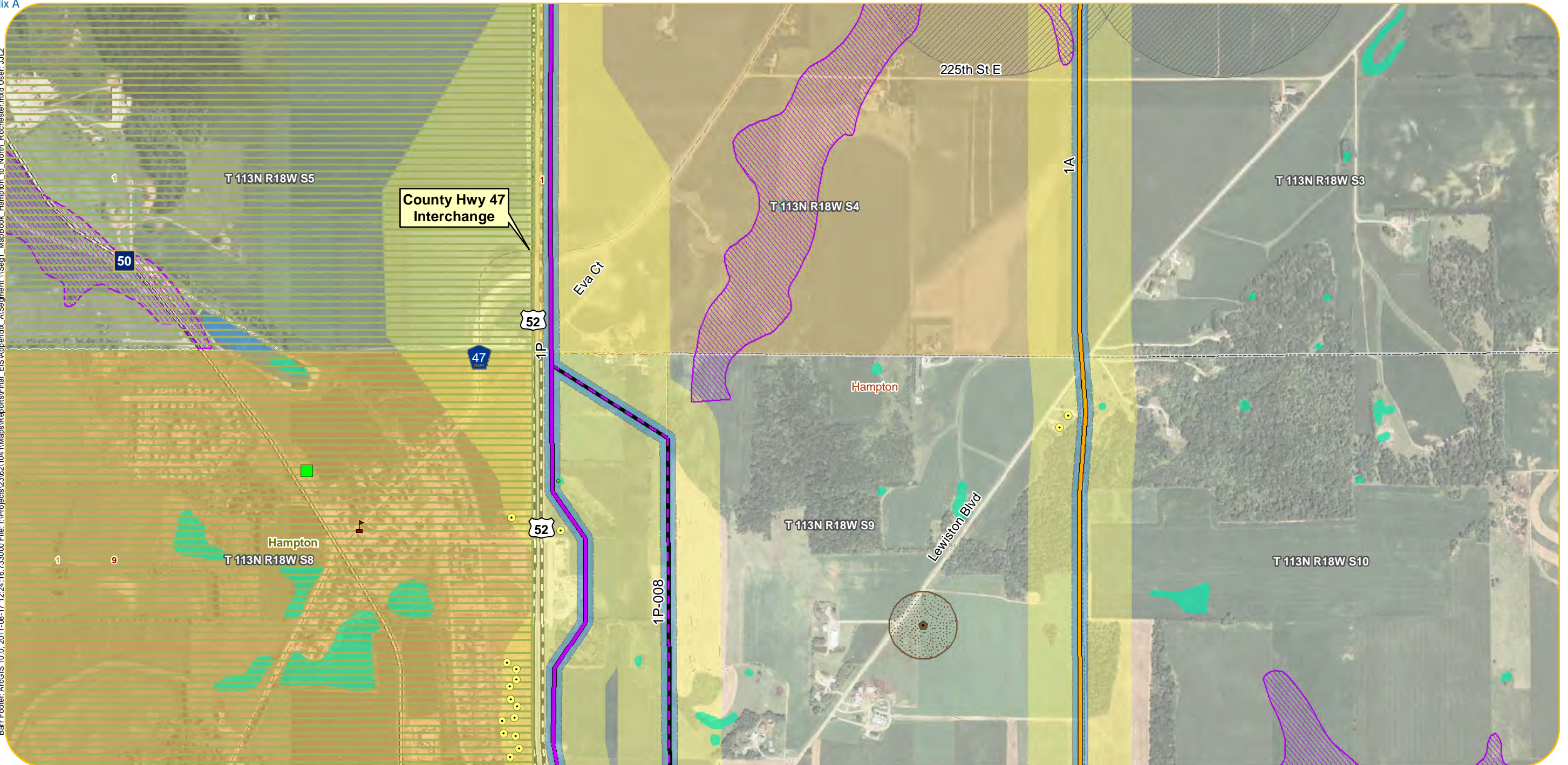
2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

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

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

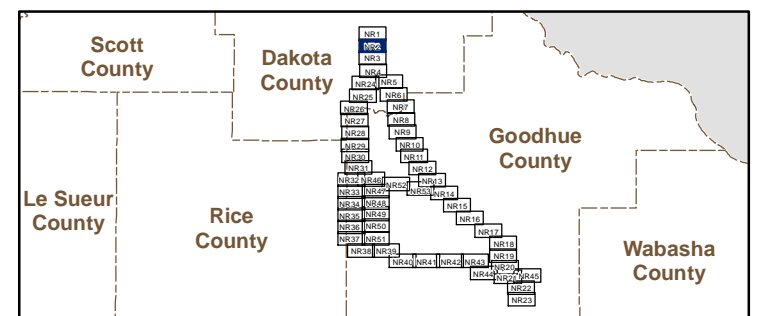


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2

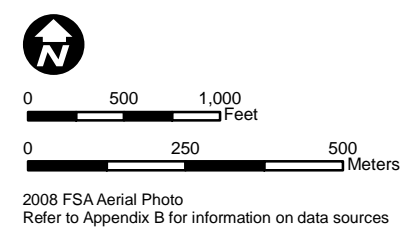
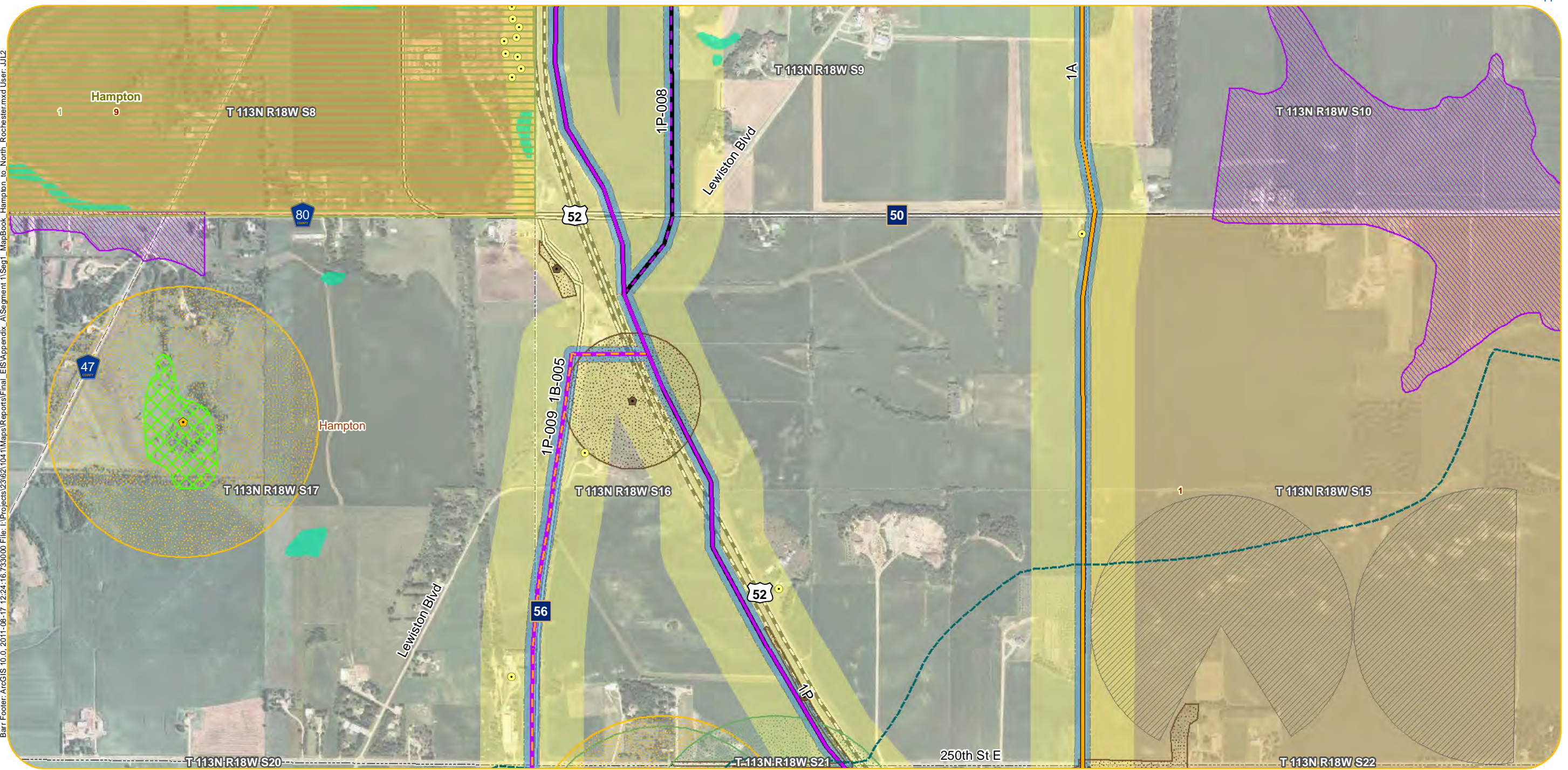


- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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

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

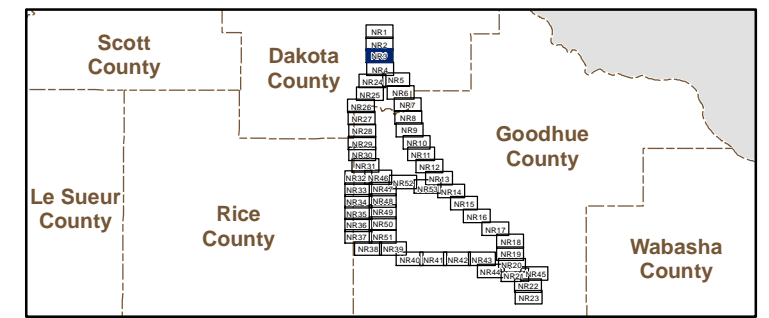


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\23621041\MapReports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JLL2

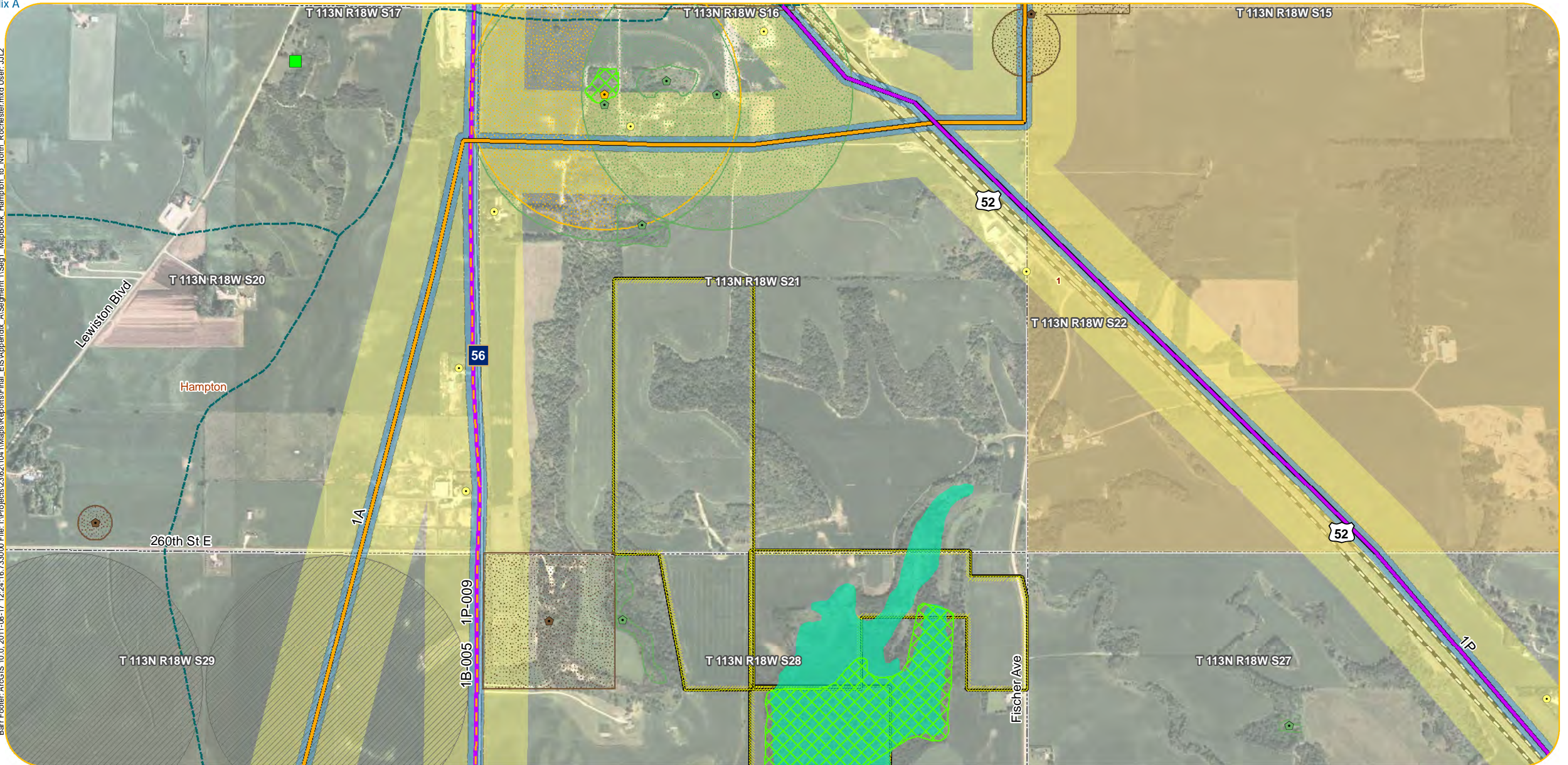


- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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

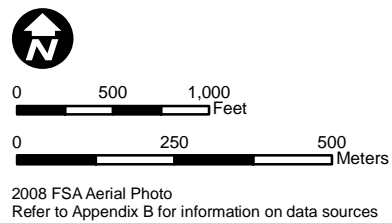
Appendix A - Sheet NR3
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



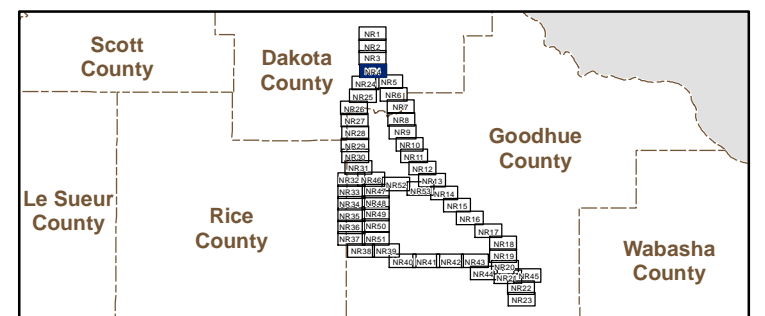
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Map\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JLL2

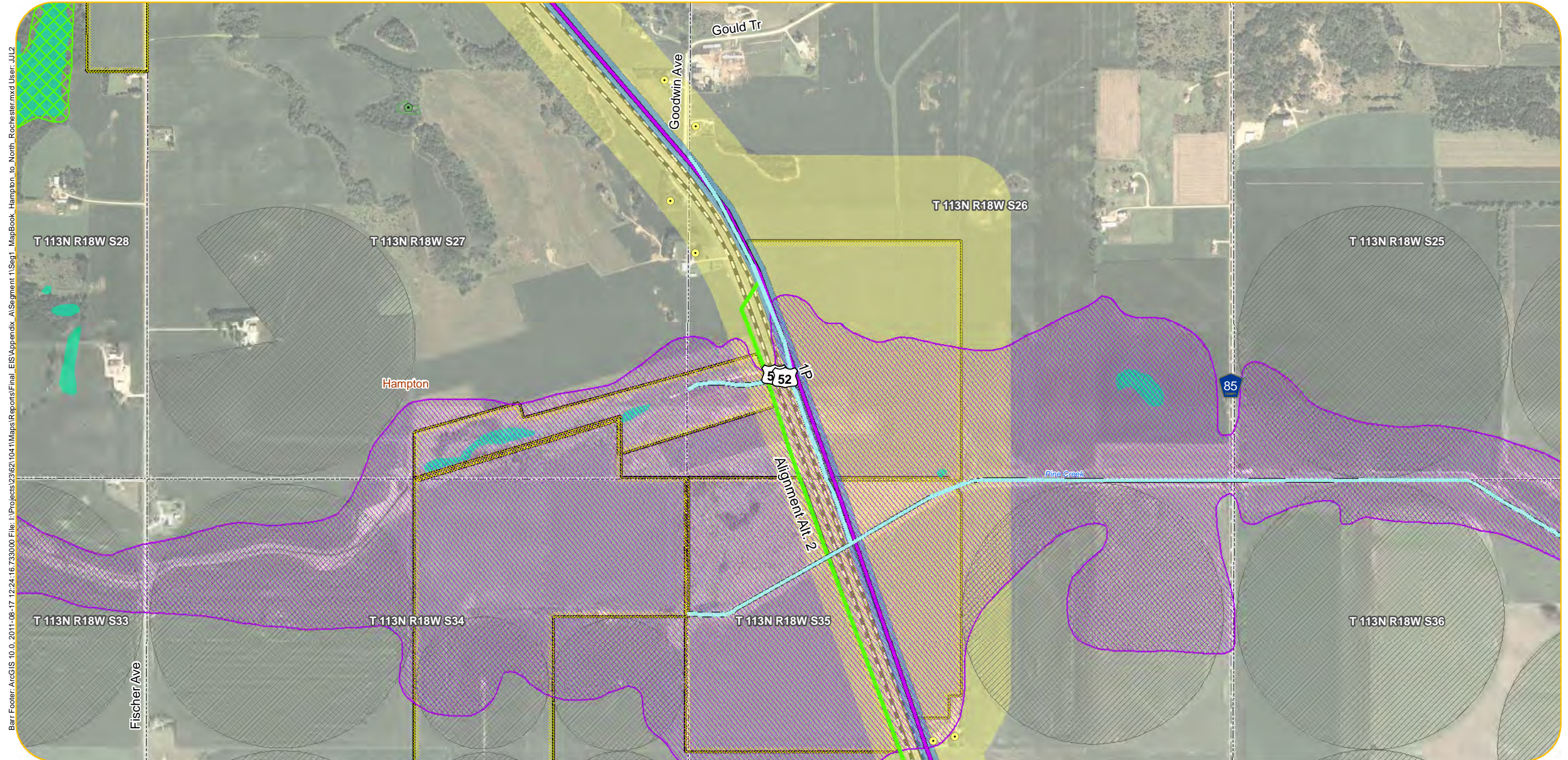


- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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



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



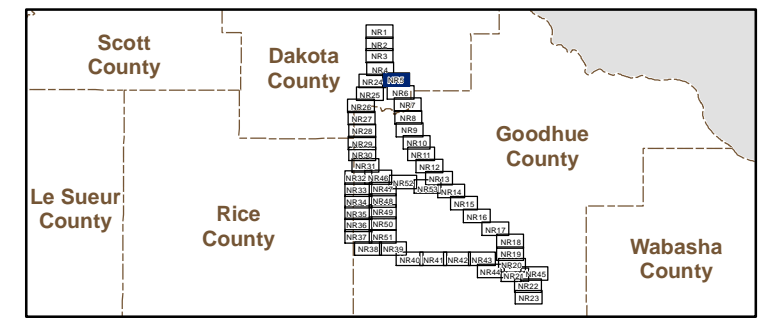


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2

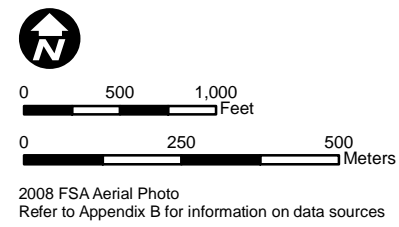
- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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



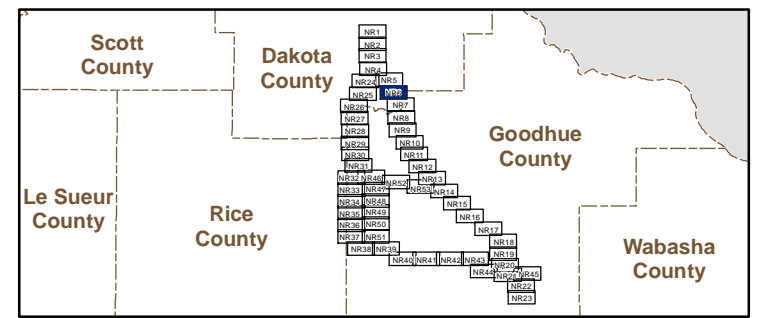
Appendix A - Sheet NR5
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



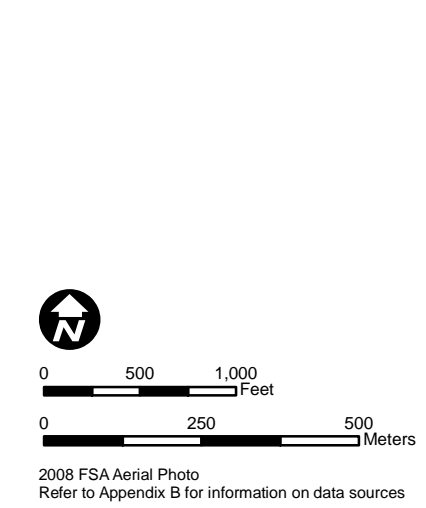
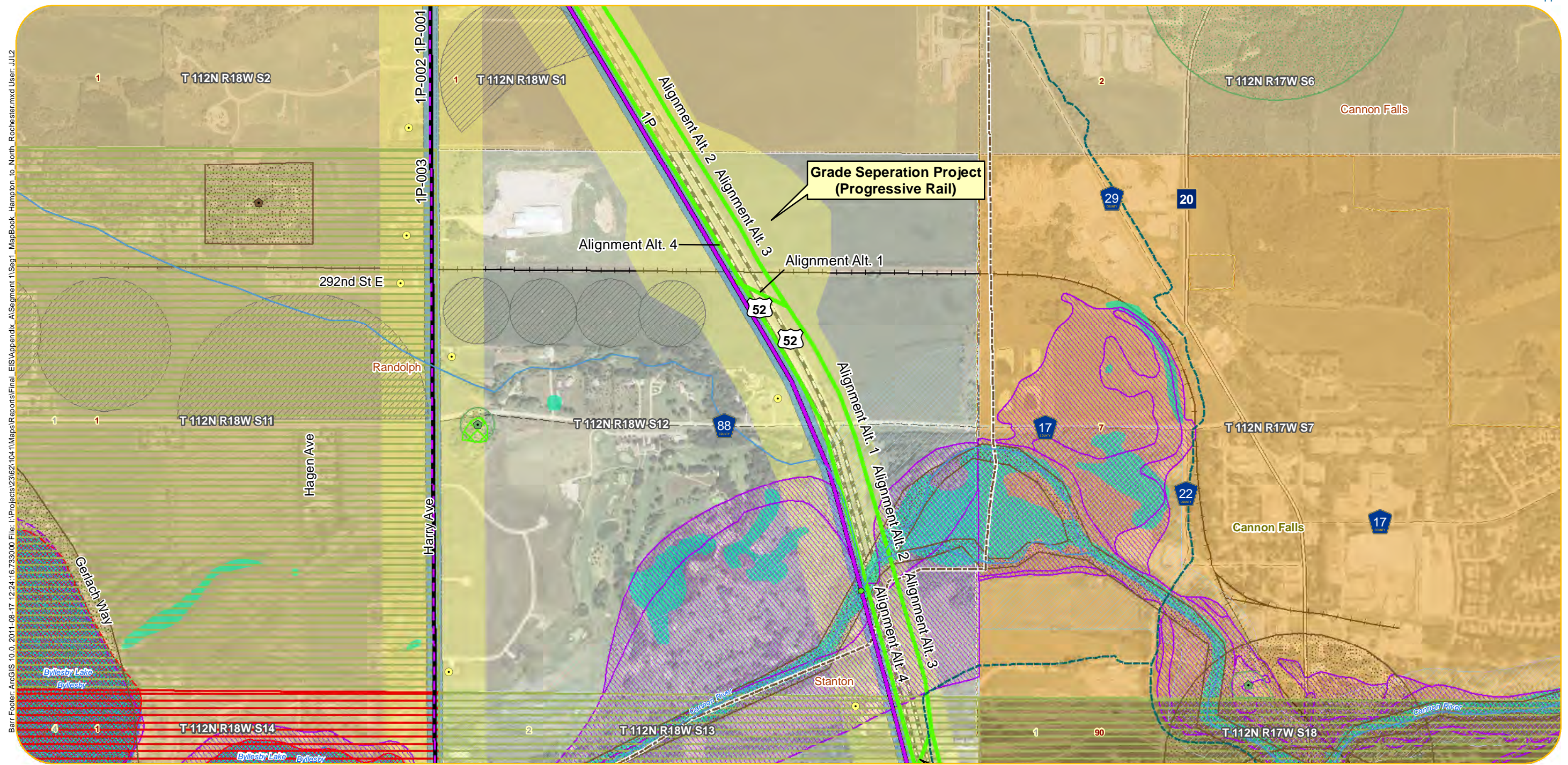
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Mapa\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2



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

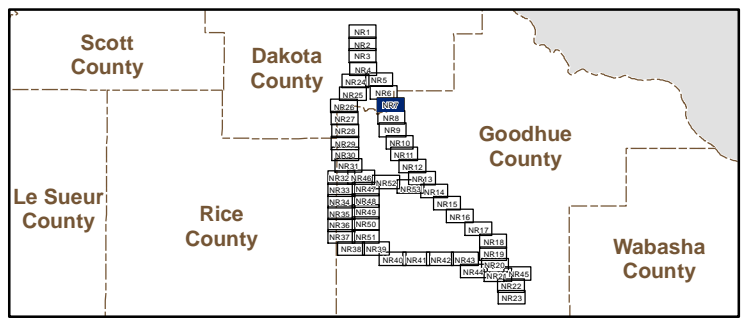


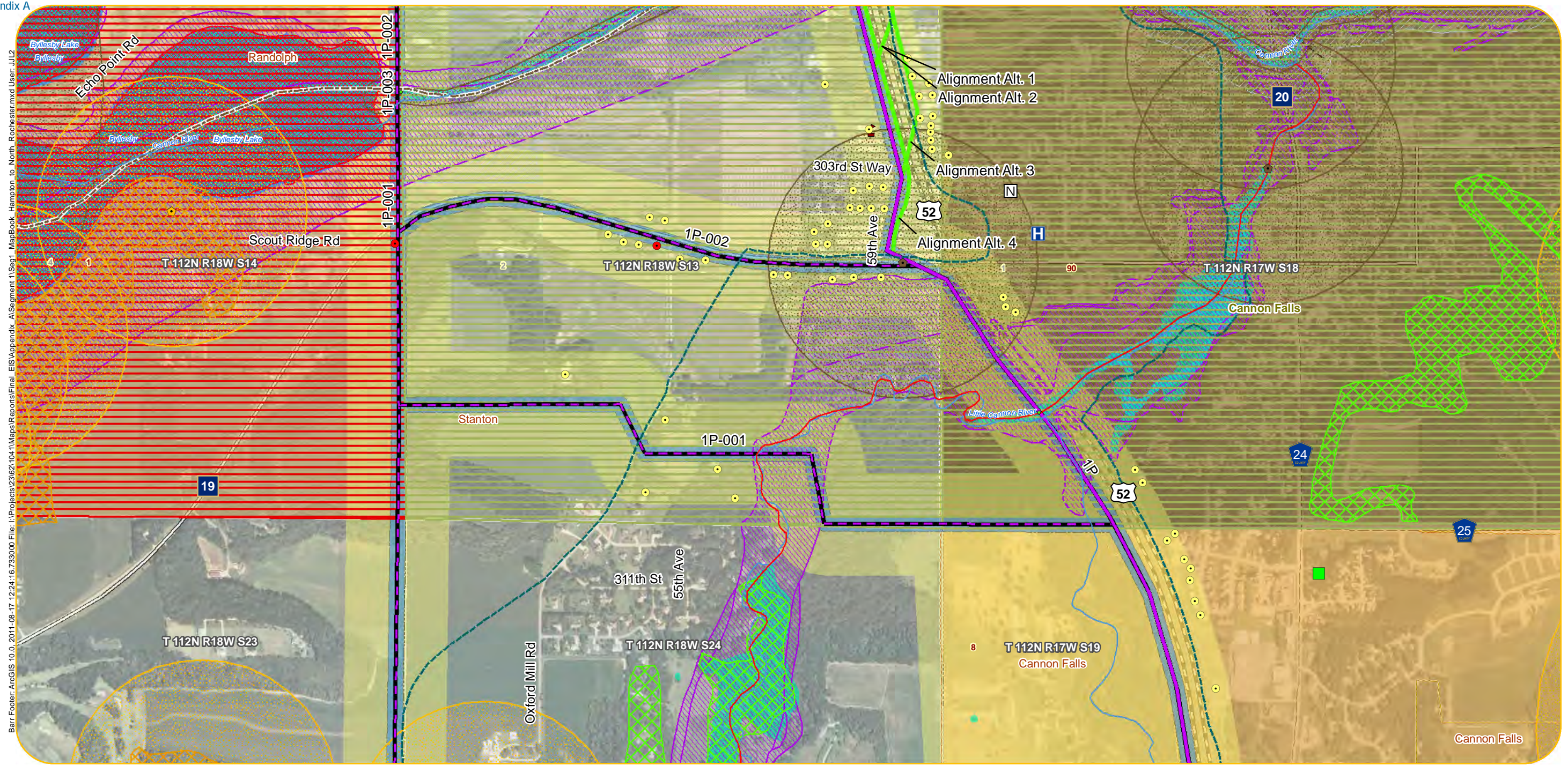
Barr Footer: ArcGIS 10.0.2011.08-17 12:24:16.733000 File: I:\Projects\2362\1041\MapBook_Hampton_to_North_Rochester.mxd User: JLL2



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

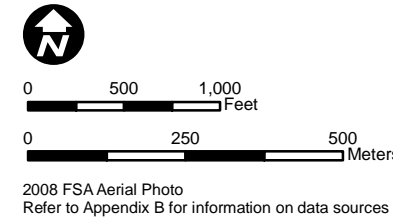
Appendix A - Sheet NR7
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



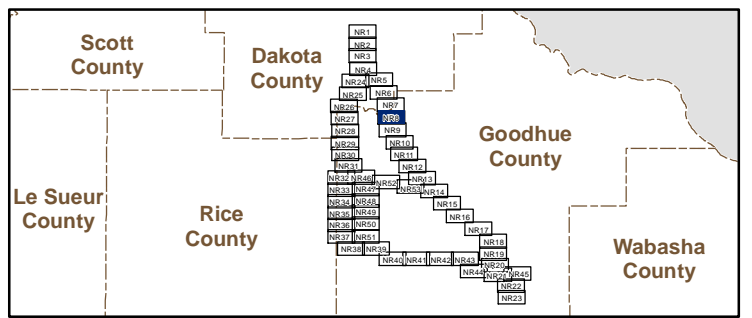


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\10411\Mapa\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton to North Rochester.mxd User: JJJ

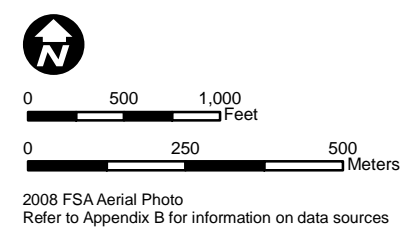
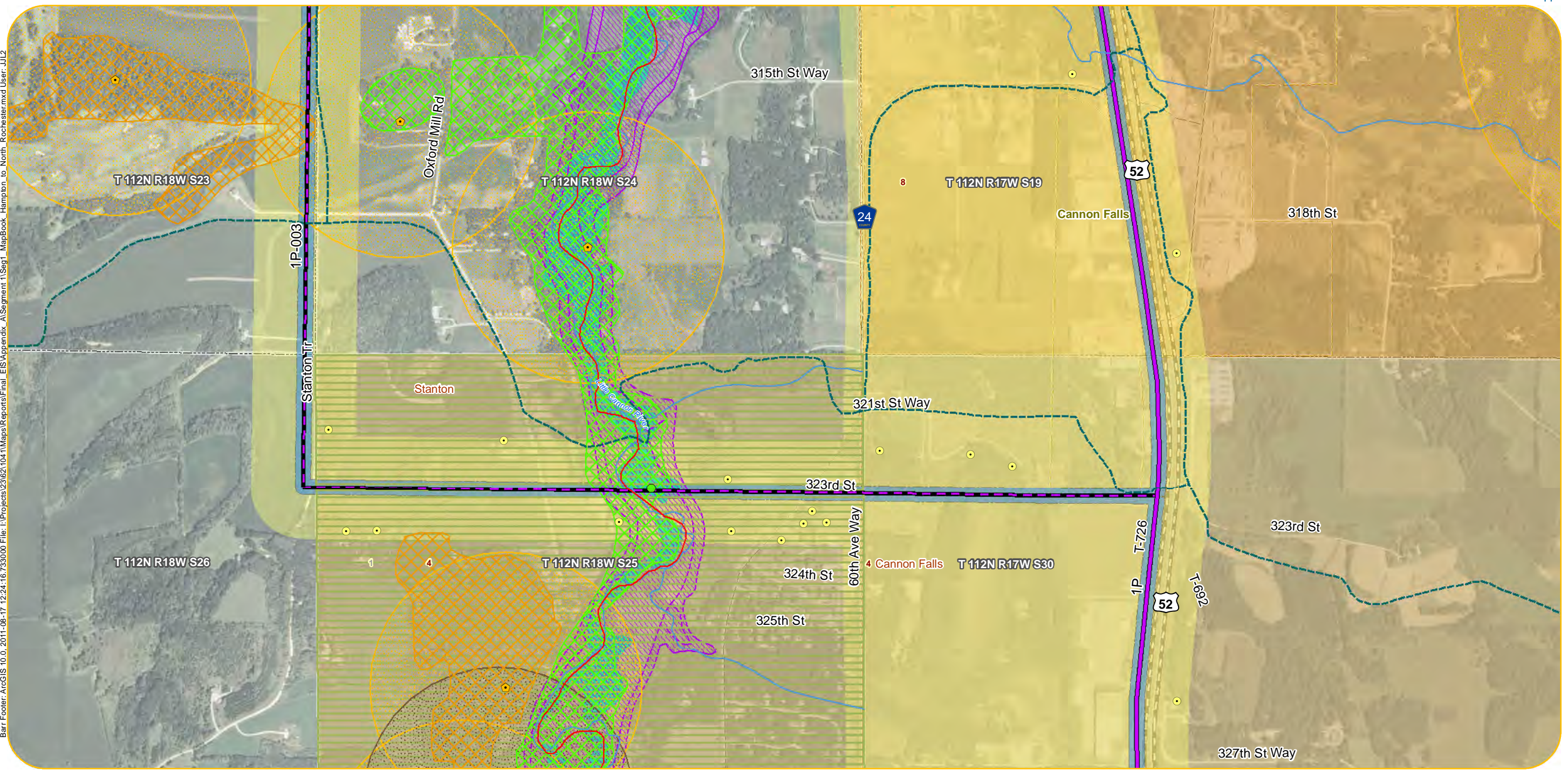
- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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



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



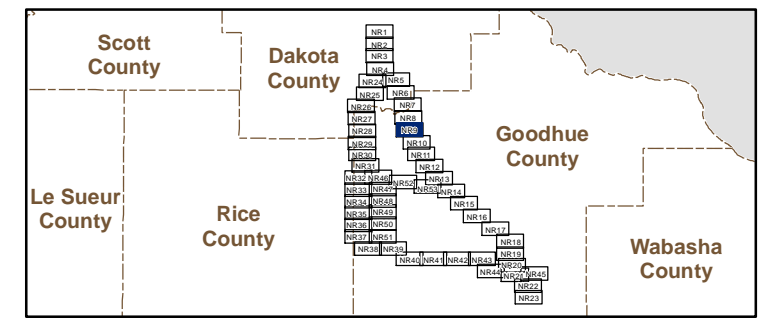
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\MapBook_Hampton_to_North_Rochester.mxd User: JLL2

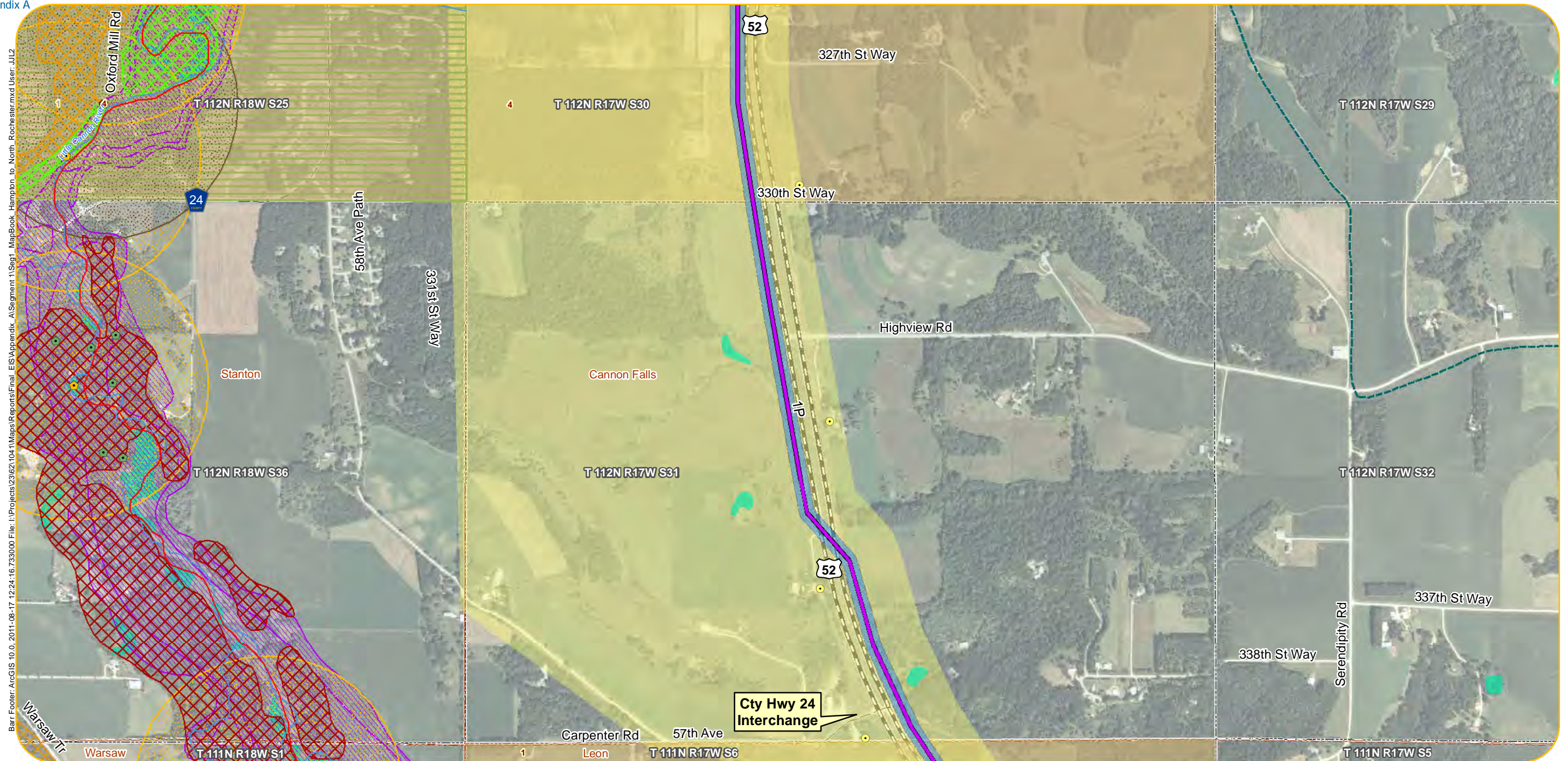


2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

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

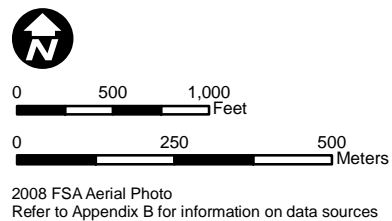
Appendix A - Sheet NR9
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



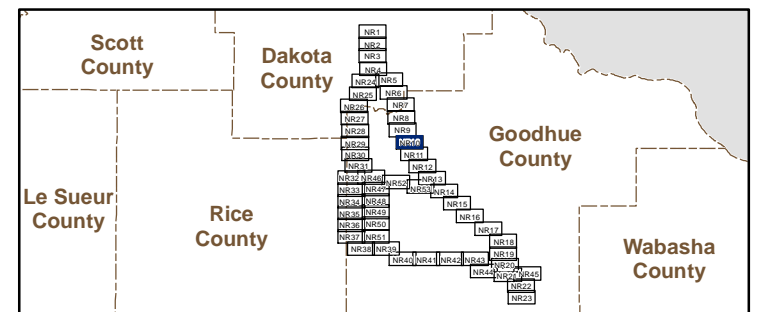


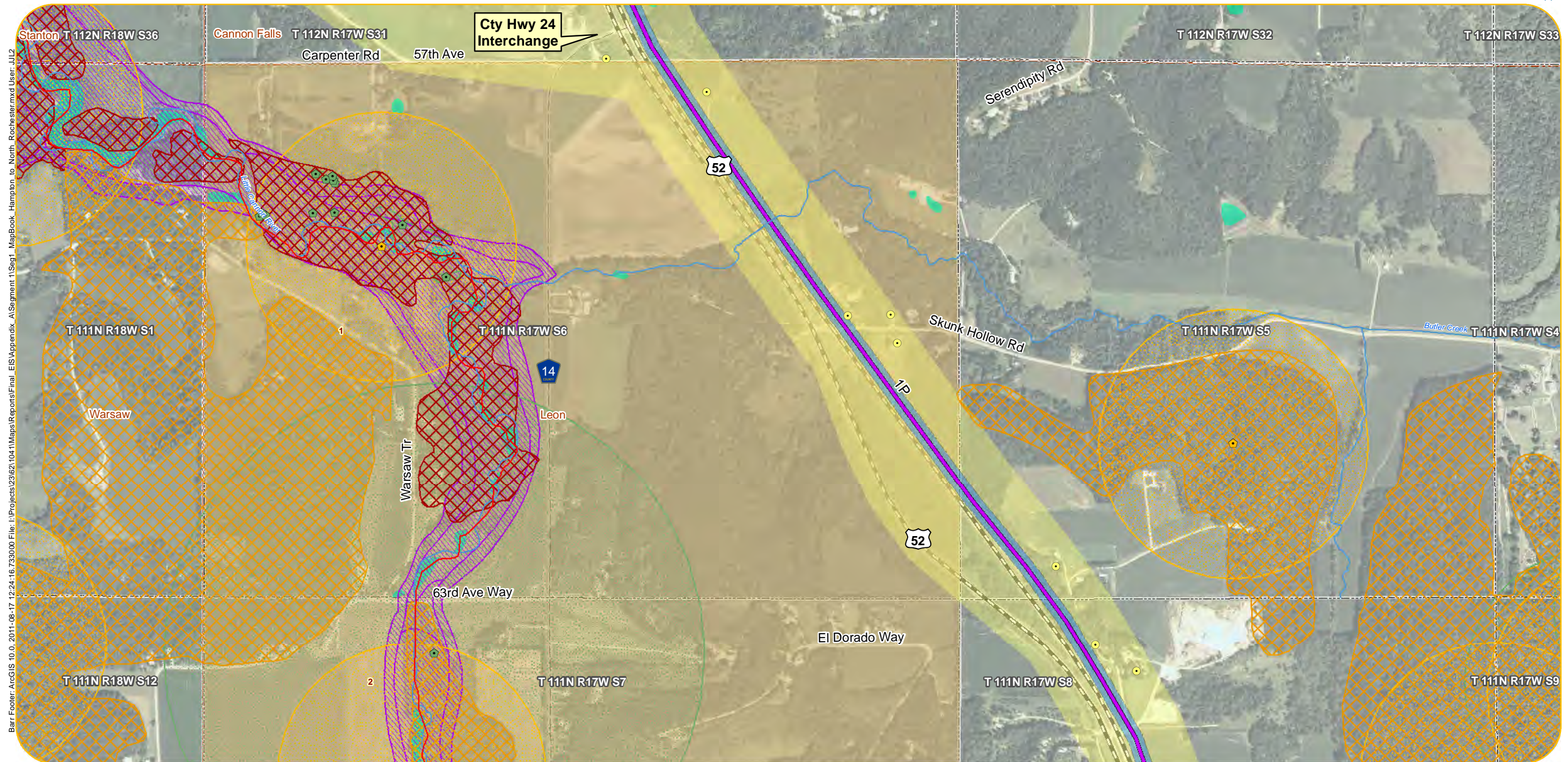
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\10411\Map\Reports\Final_EIS\Appendix A\Segment 1\Seg1_MapBook_Hampton to North Rochester.mxd User: JJJ2

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



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



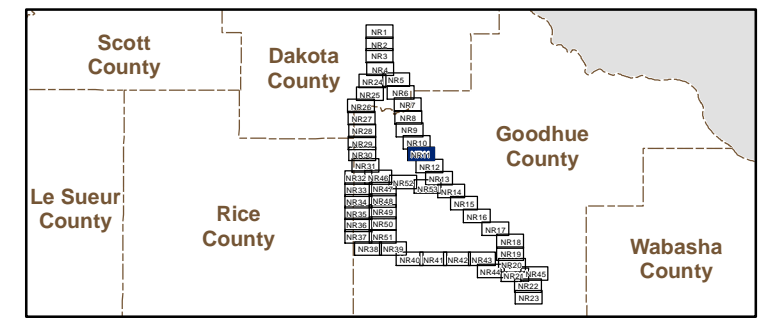


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Map\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ

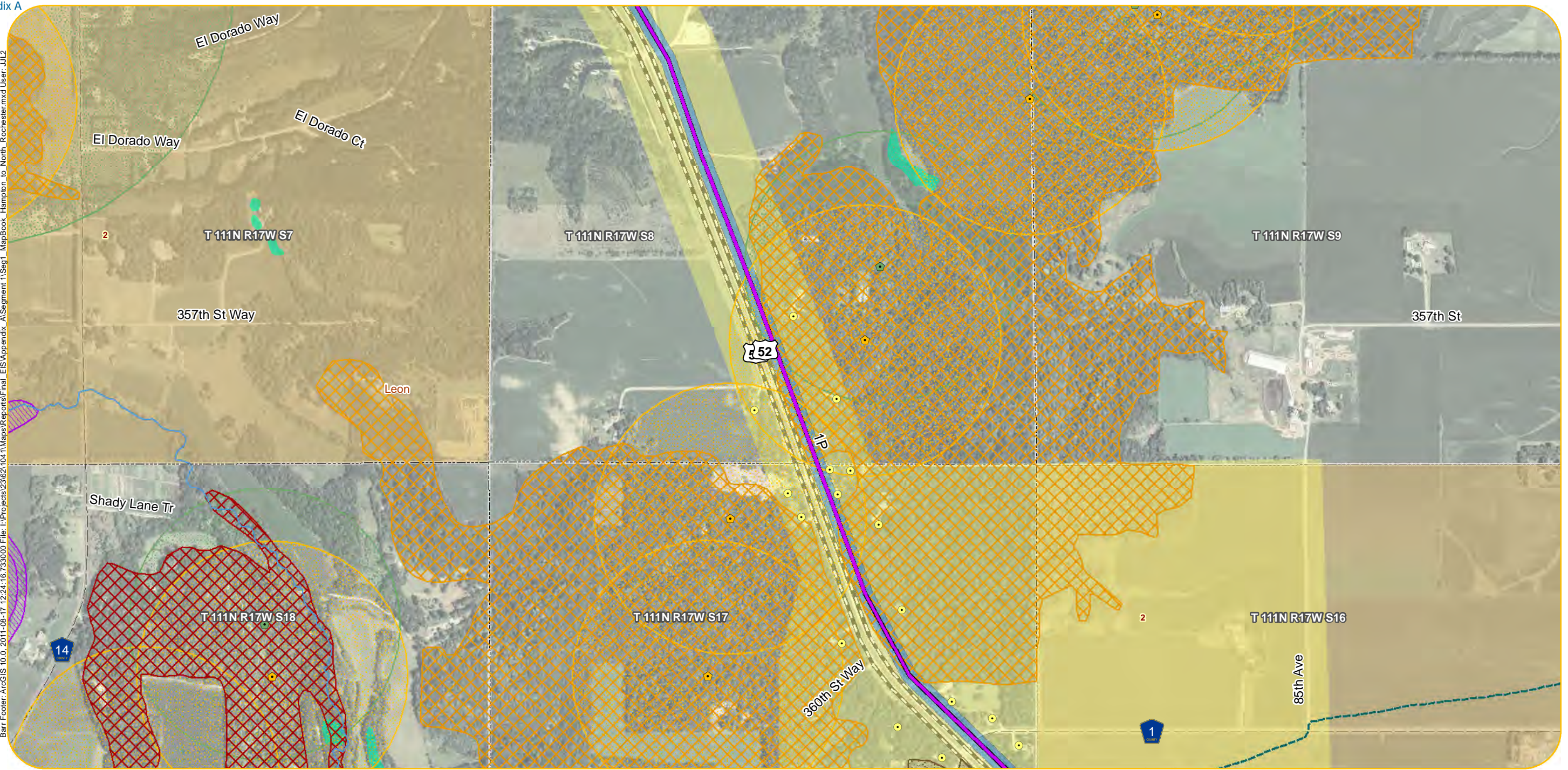
- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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



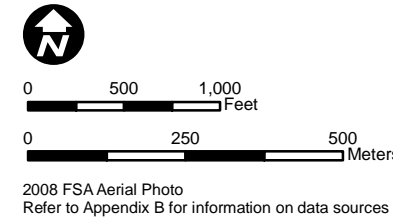
Appendix A - Sheet NR11
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



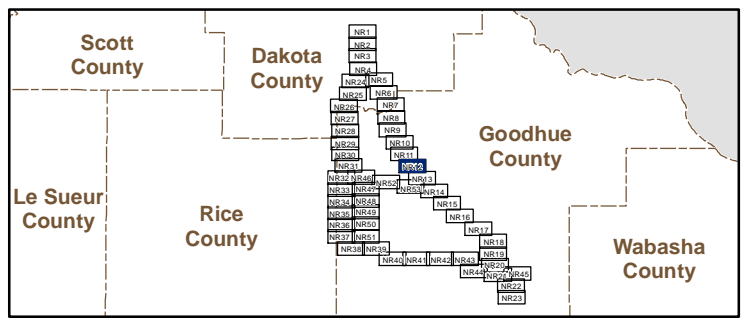
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Map\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JLL2

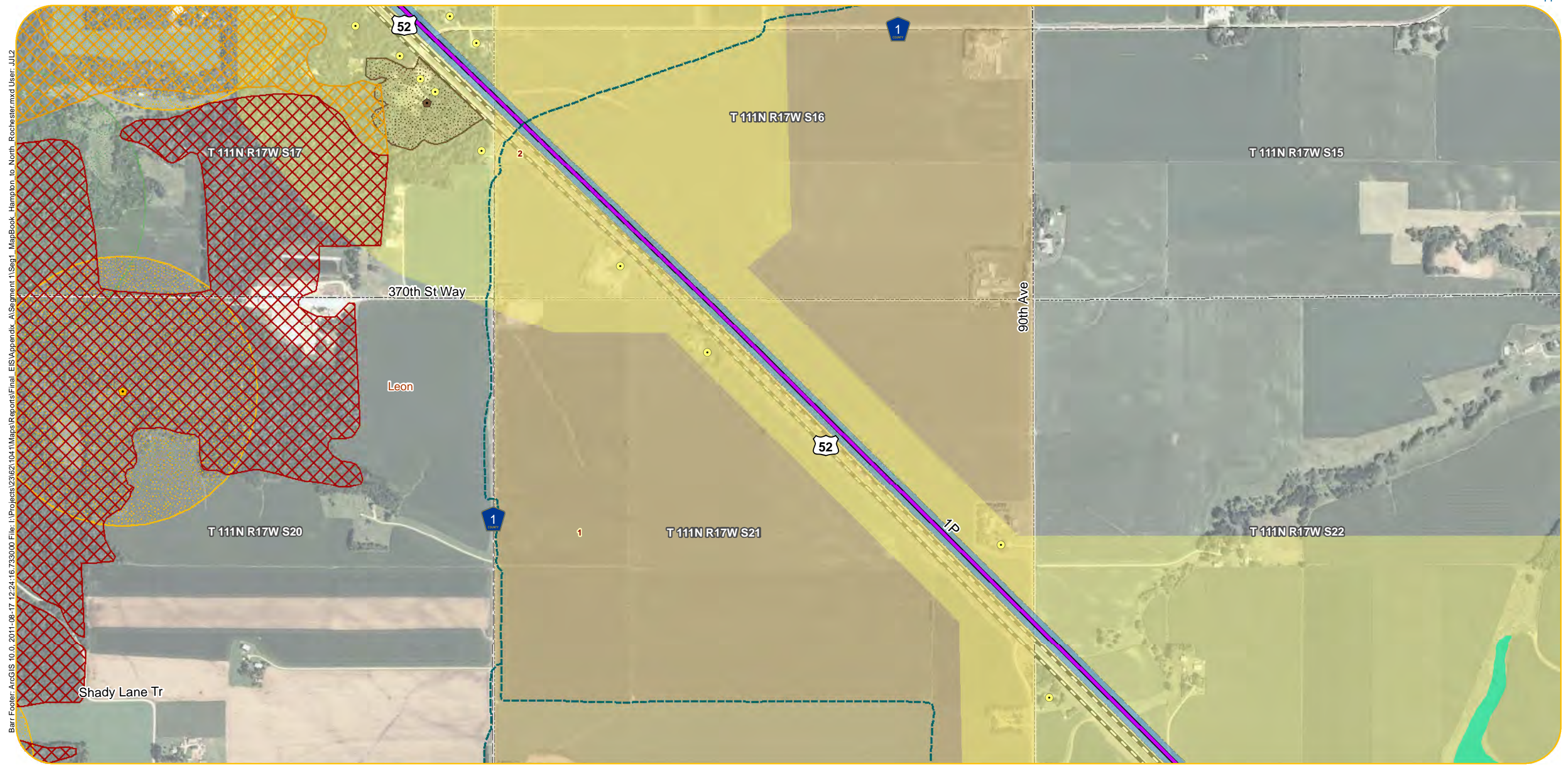


- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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

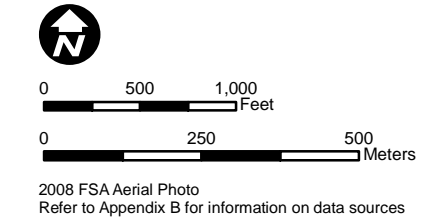


Appendix A - Sheet NR12
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

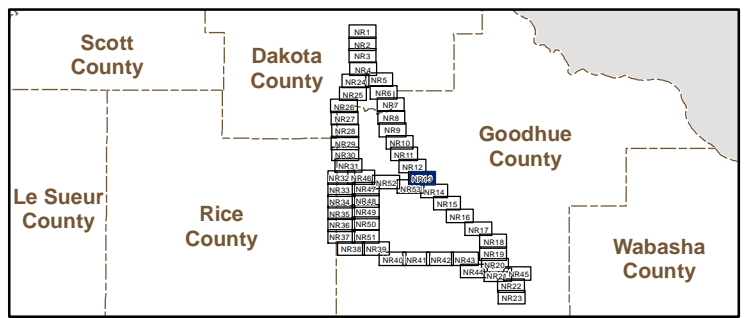




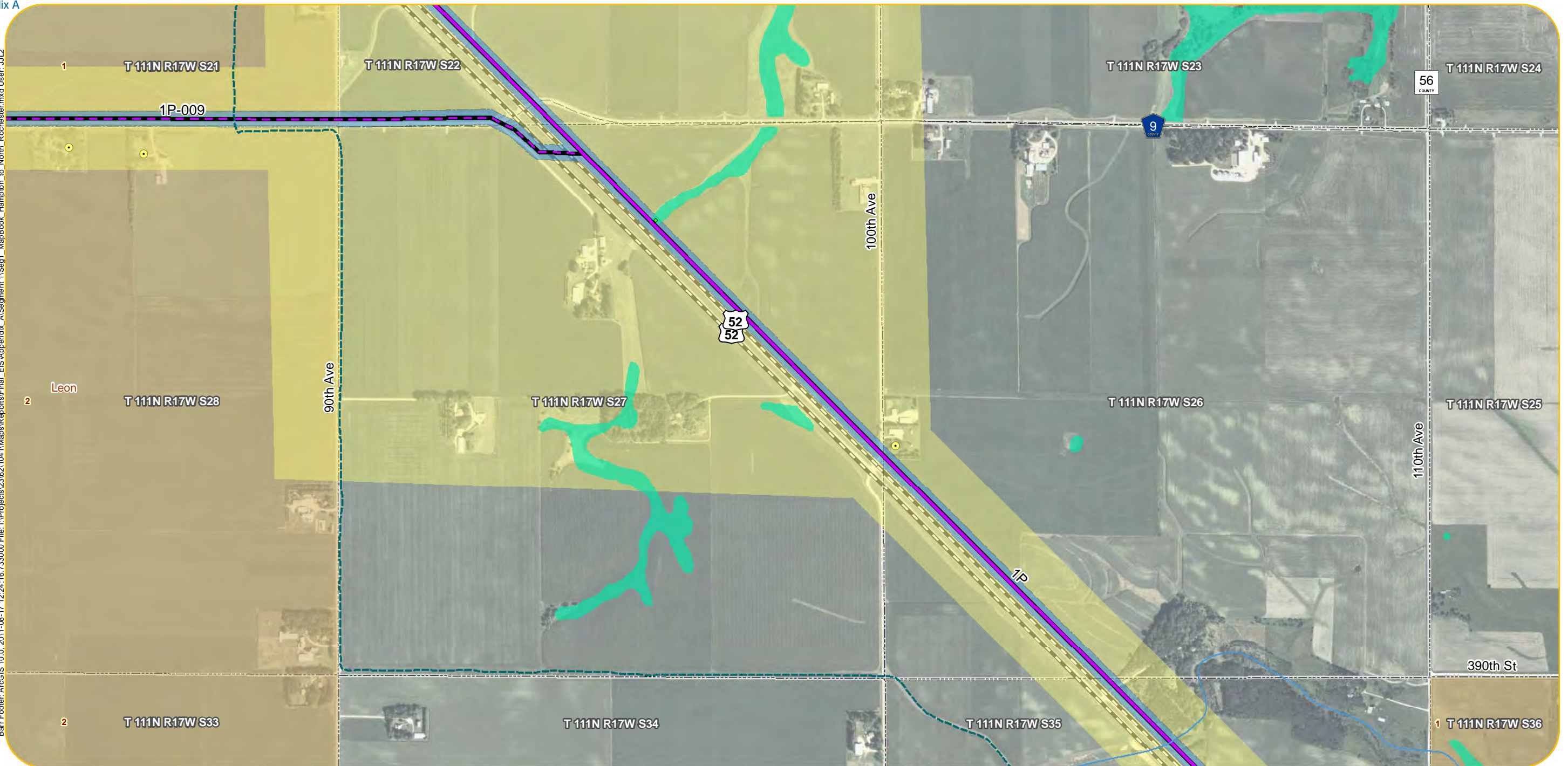
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2



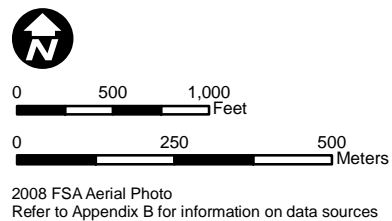
Appendix A - Sheet NR13
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



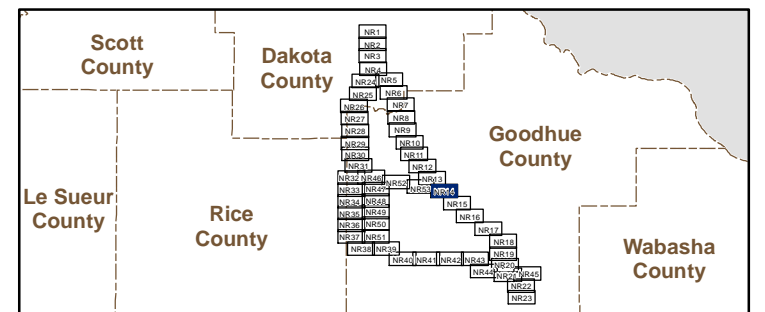
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\MapBooks\Hampton_to_North_Rochester.mxd User: JLL2



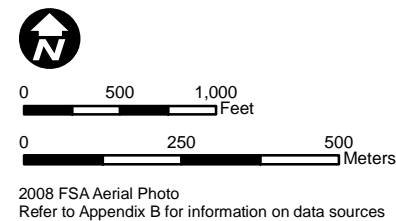
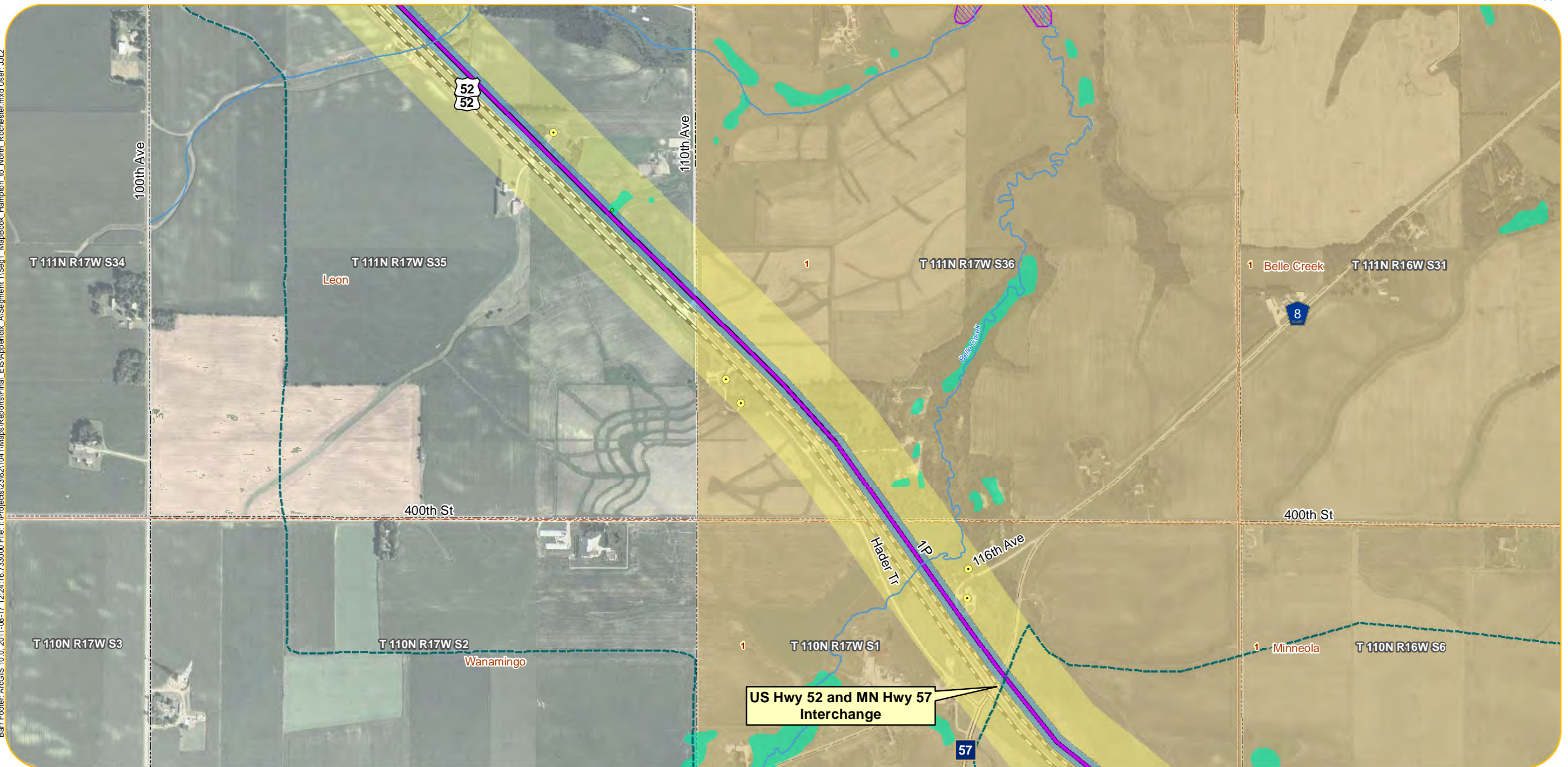
- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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



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

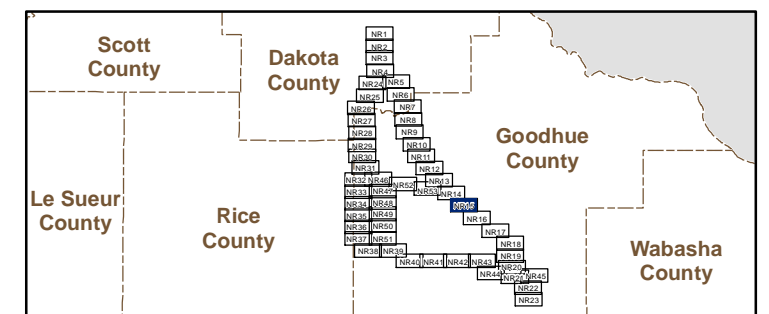


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix_A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JLL2

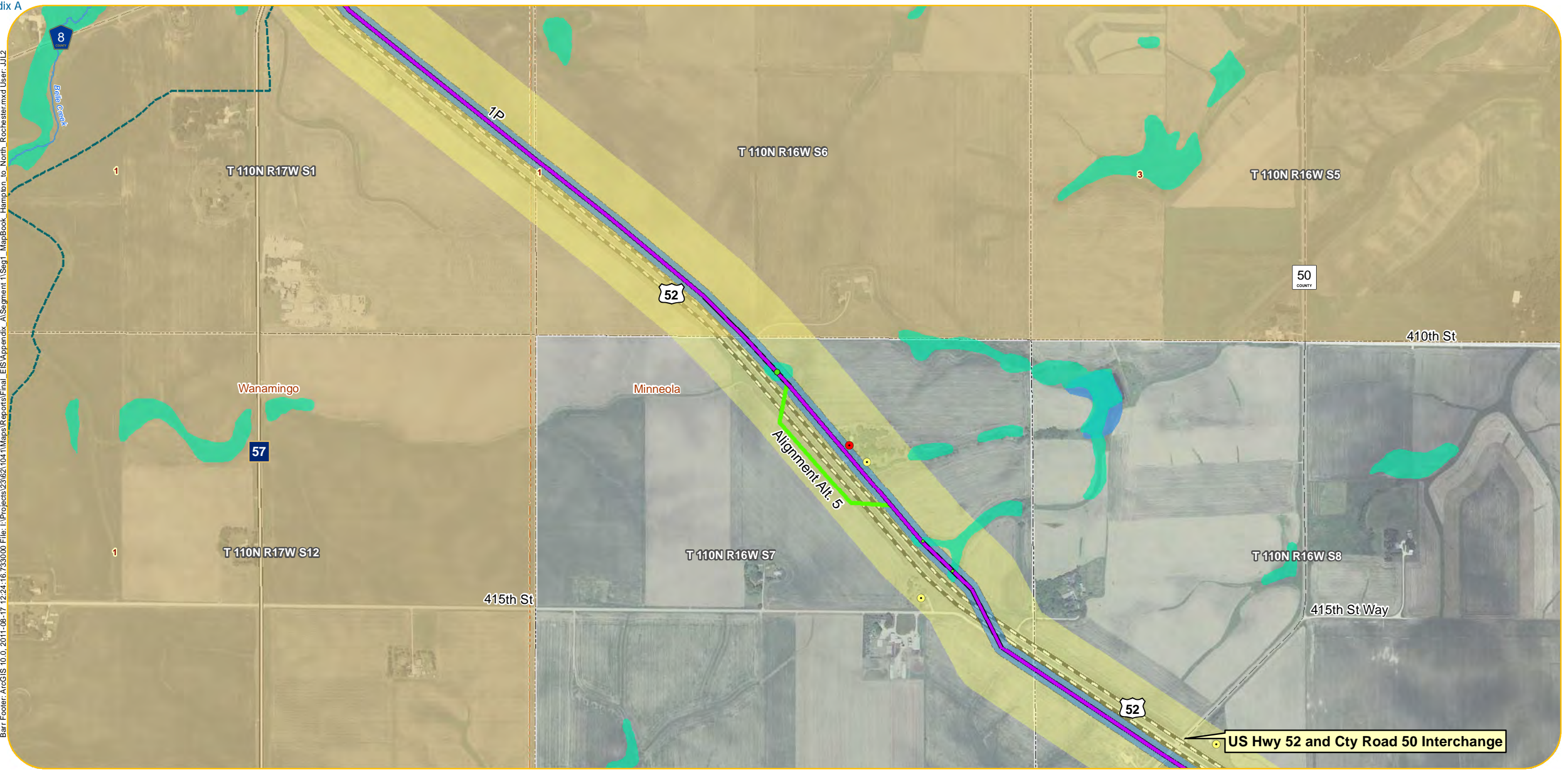


- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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

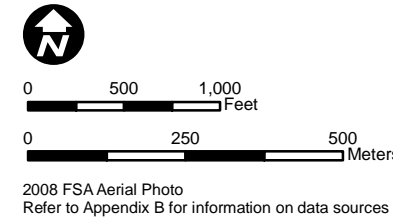
Appendix A - Sheet NR15
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



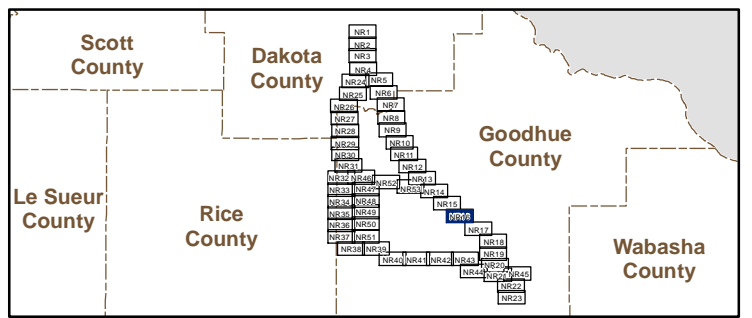
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\104\11\Mapa\Reports\Final_EIS\Appendix_A\Segment_1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2

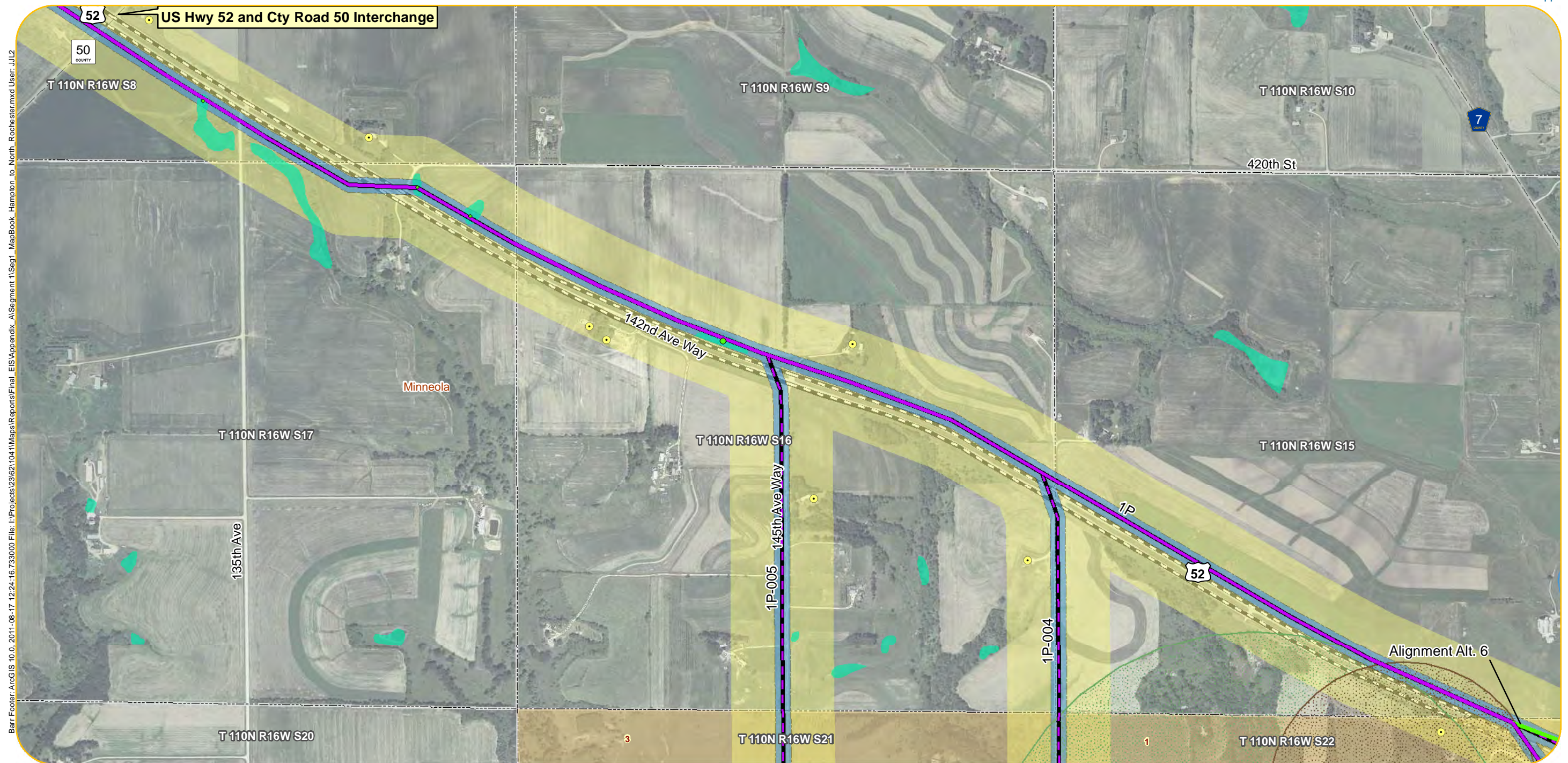


- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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



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



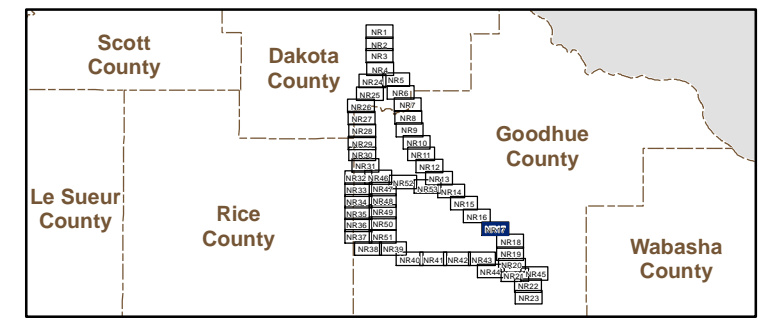


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\23621041\Mapa\Reports\Final_EIS\Appendix_A\Segment_1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2

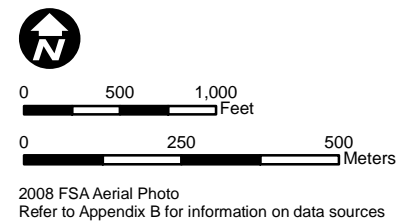
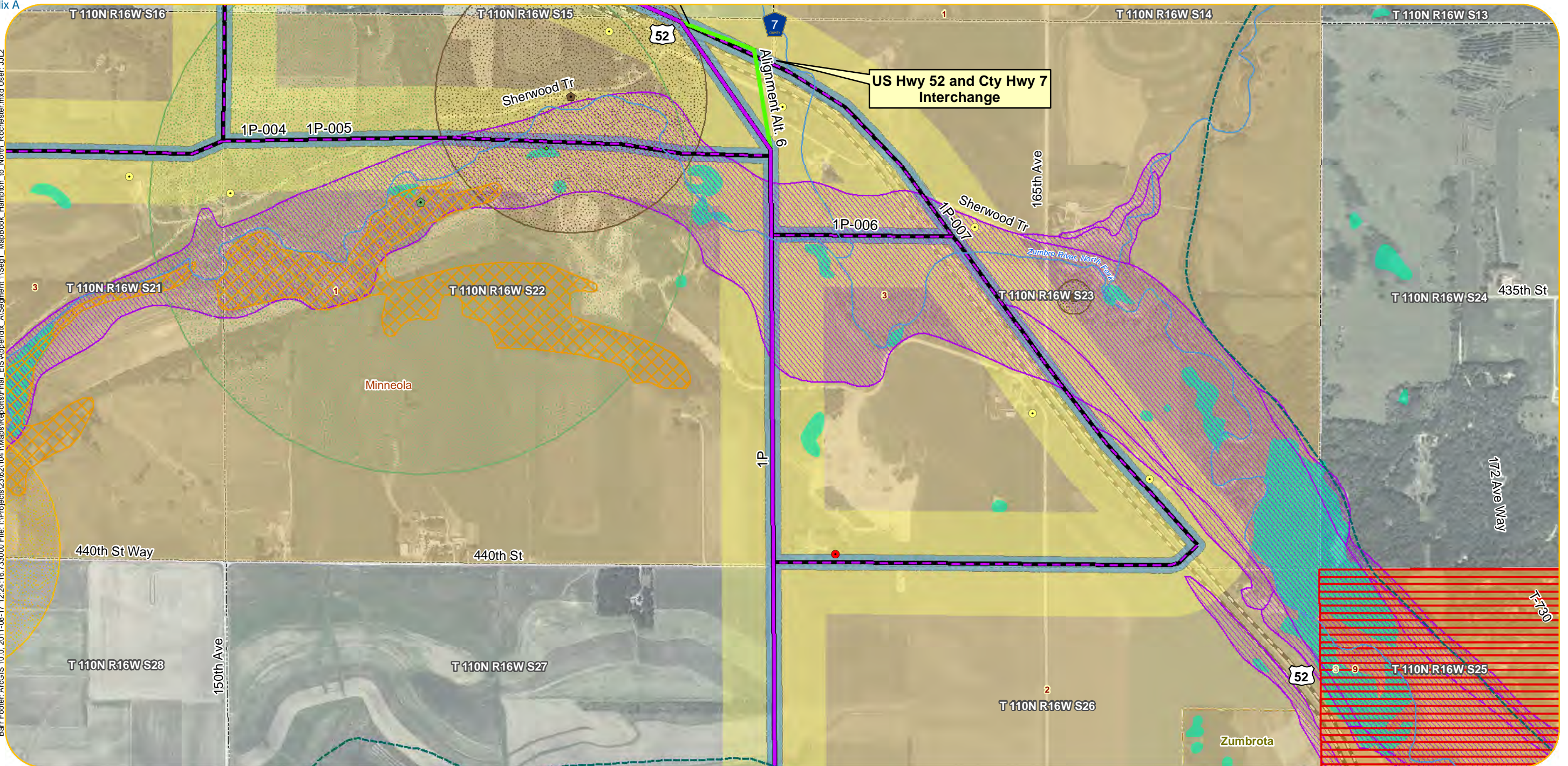
- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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



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

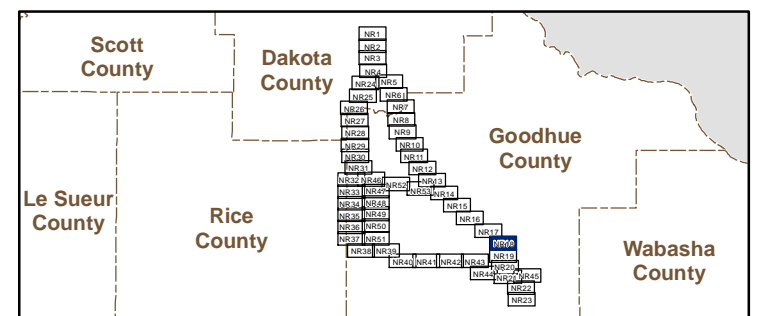


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Mapa\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JLL2

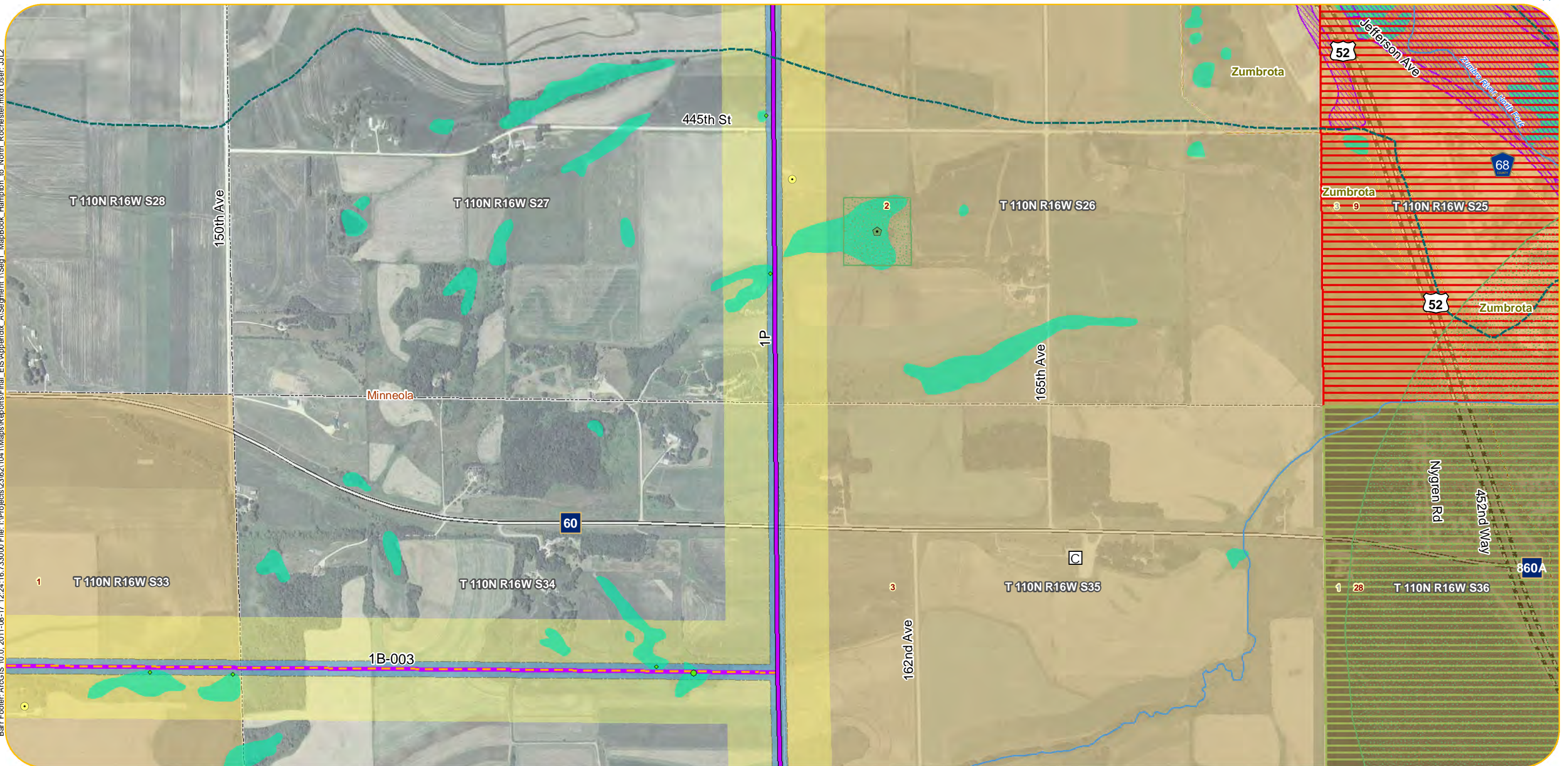


- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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

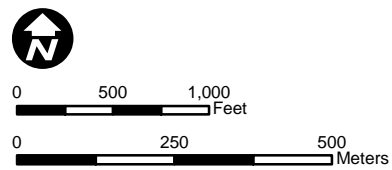
Appendix A - Sheet NR18
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2

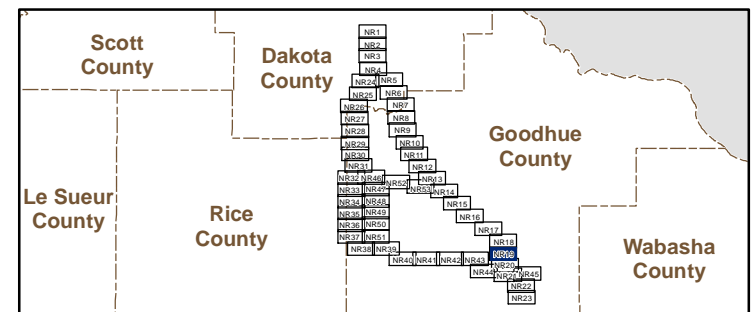


- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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

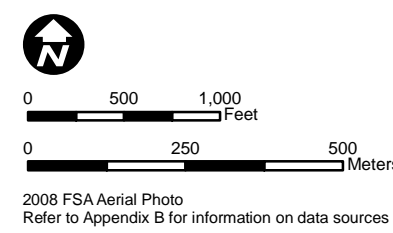
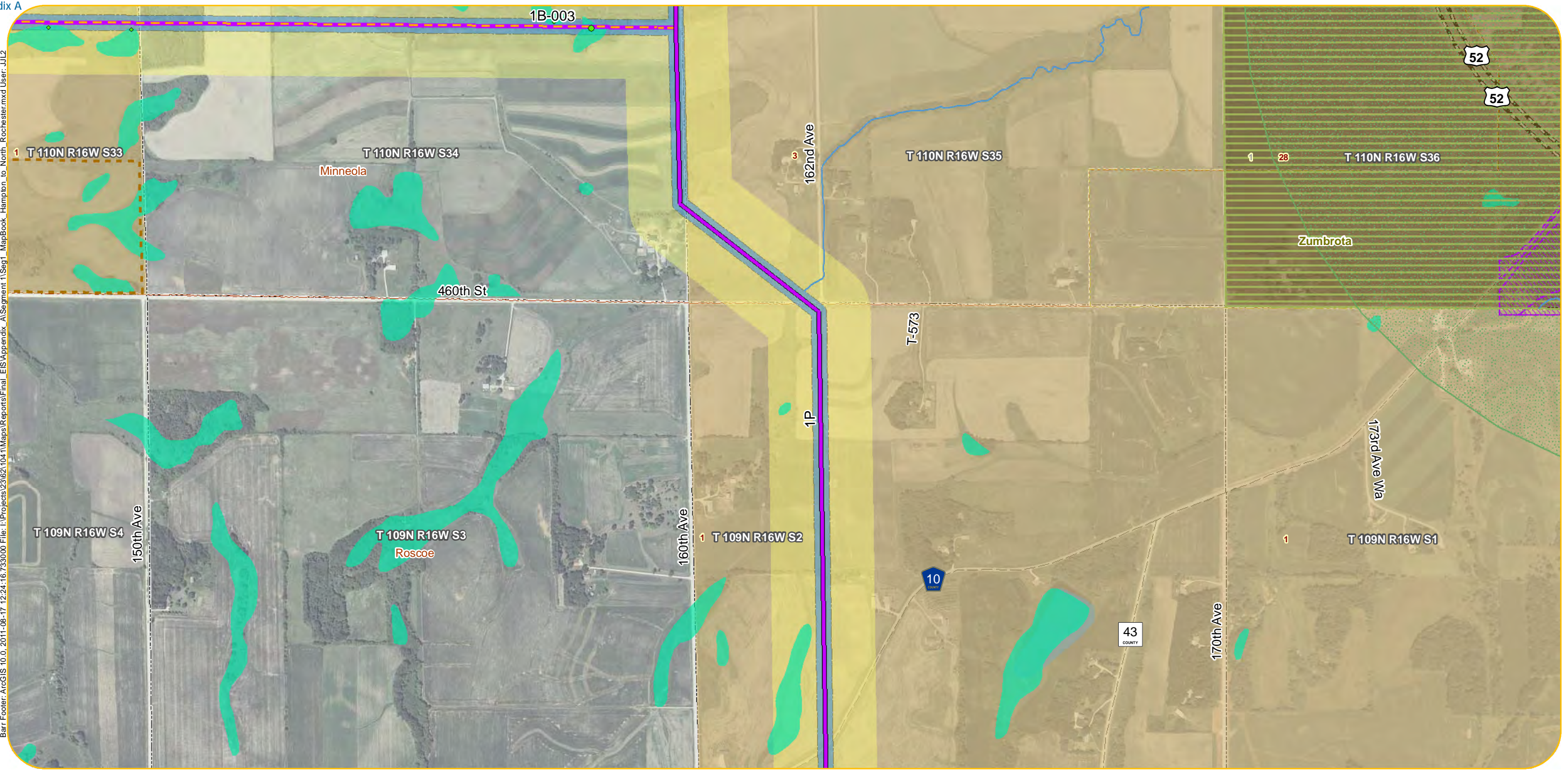


2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

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



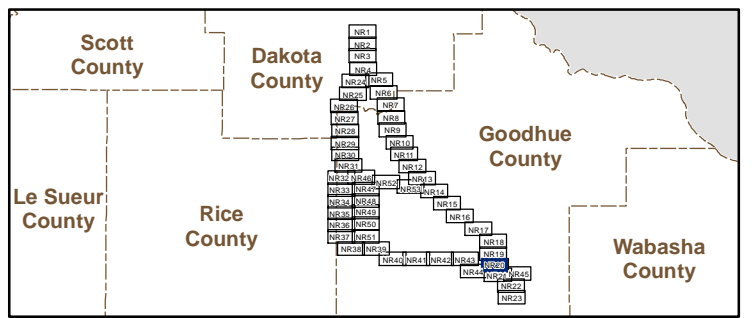
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Mapa\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2



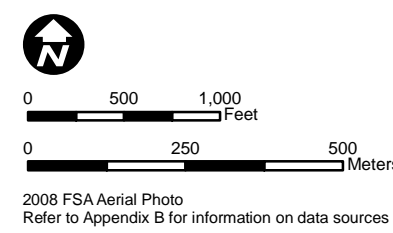
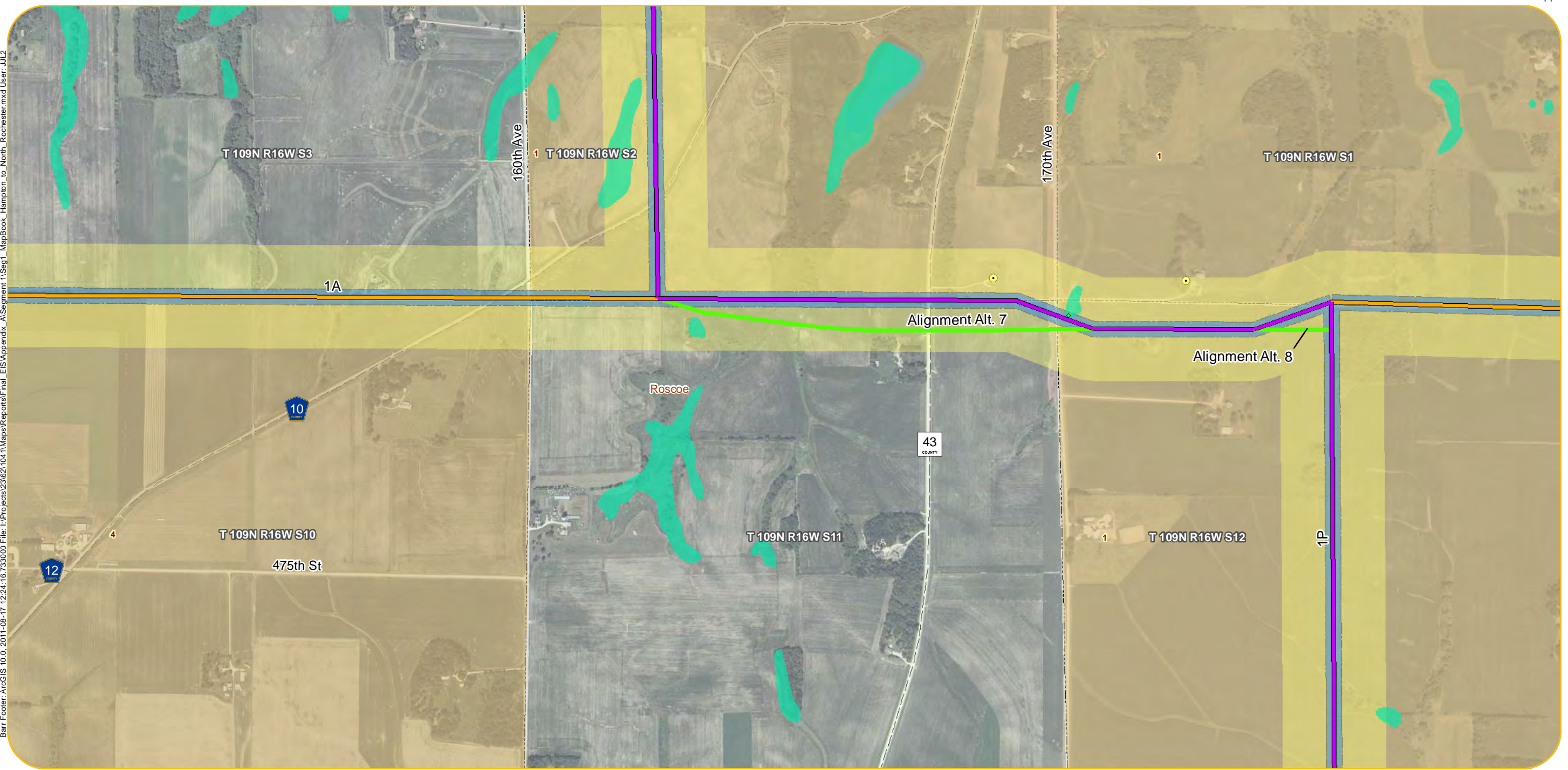
2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

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

Appendix A - Sheet NR20
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

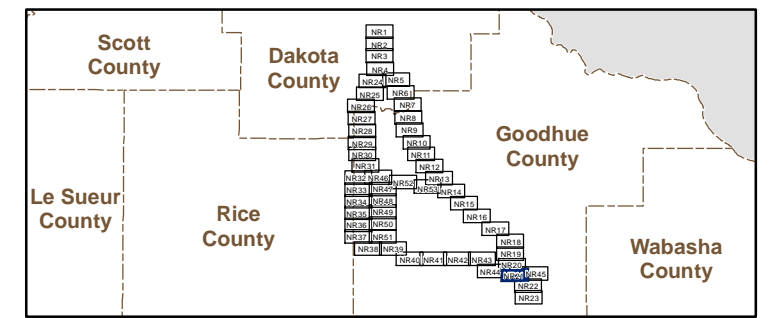


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\MapBooks\Hampton_to_North_Rochester.mxd User: JJJ2

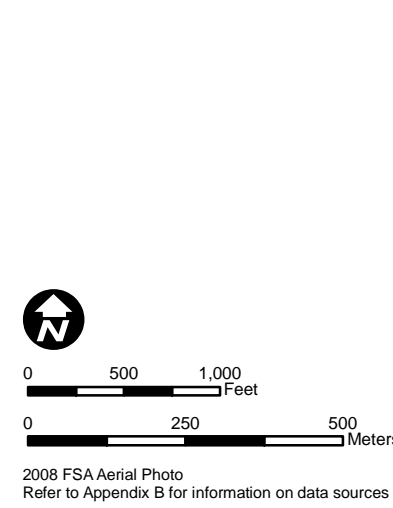
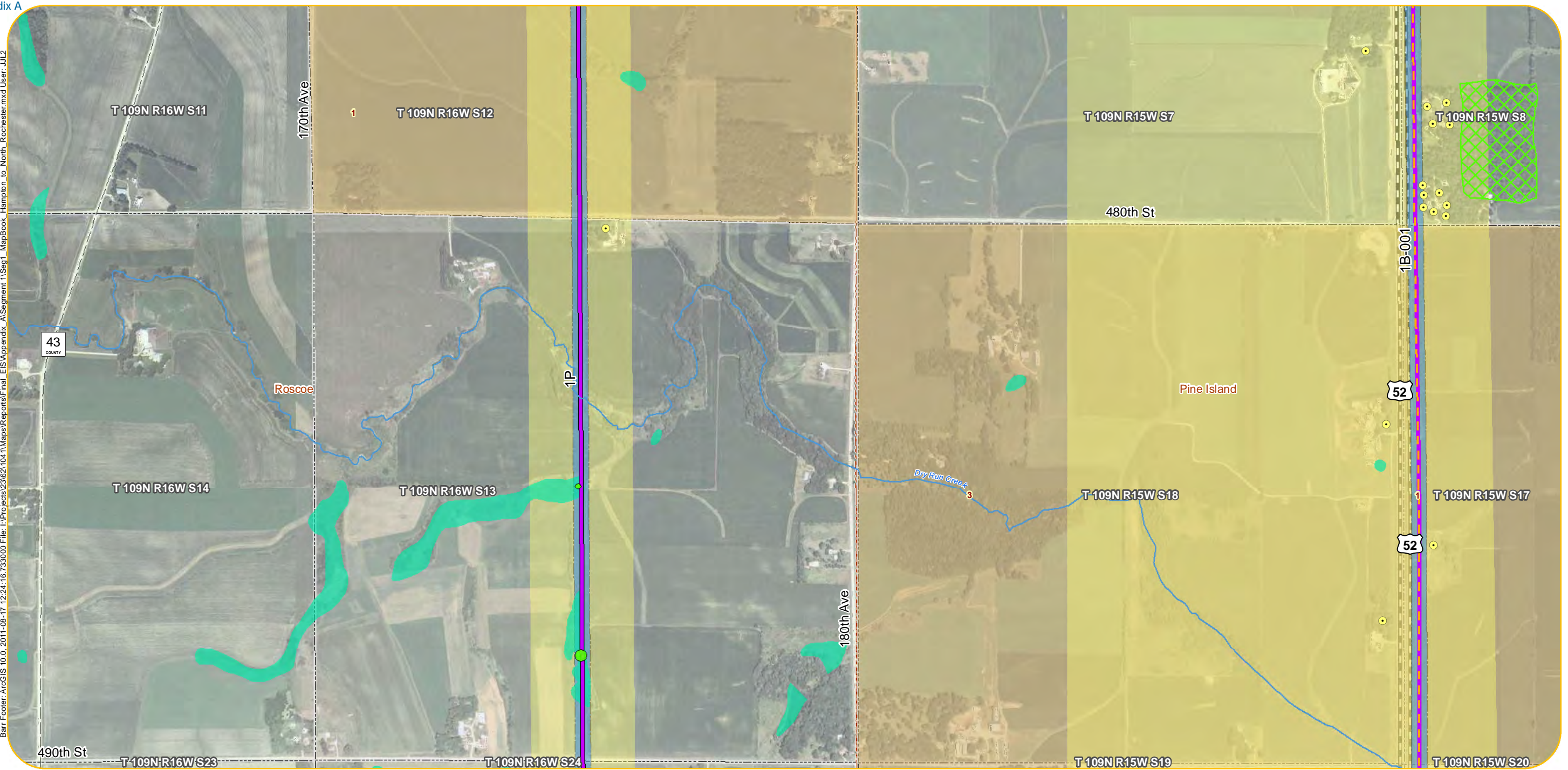


- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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

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

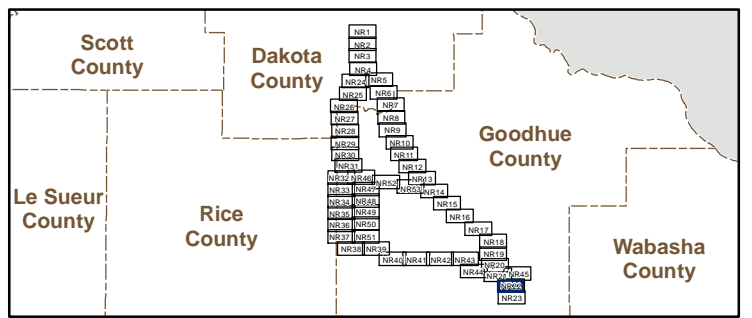


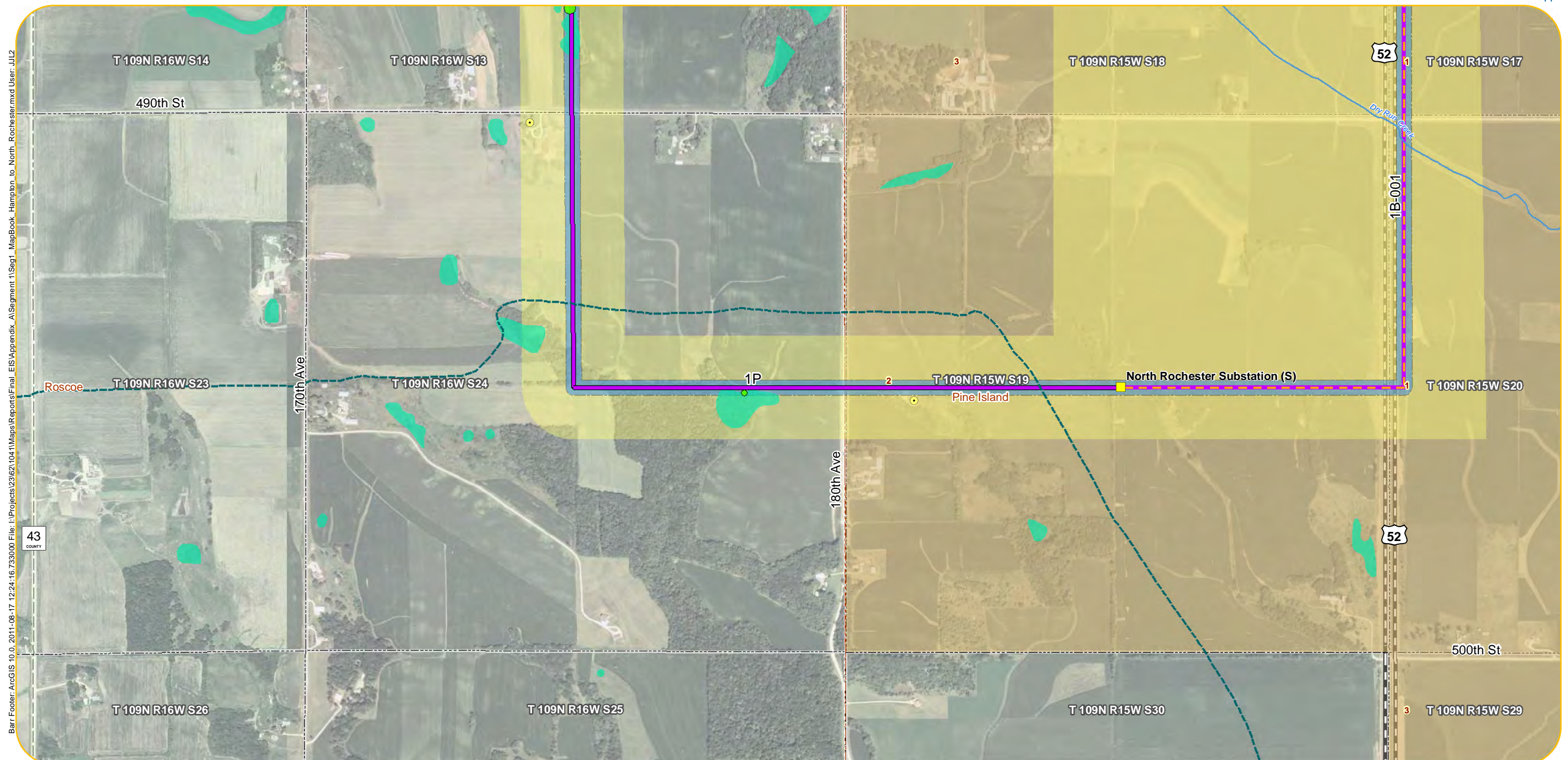
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Map\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2



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

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



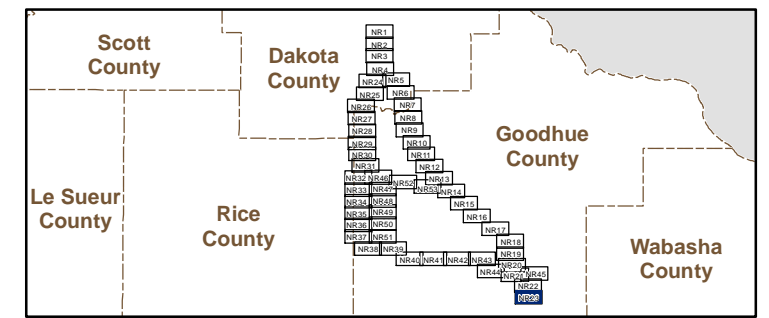


Barr Footer: ArcGIS 10.0_2011-08-17 12:24:16.733000 File: I:\Projects\23621041\MapReports\Final_EIS\Appendix_A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JLI2

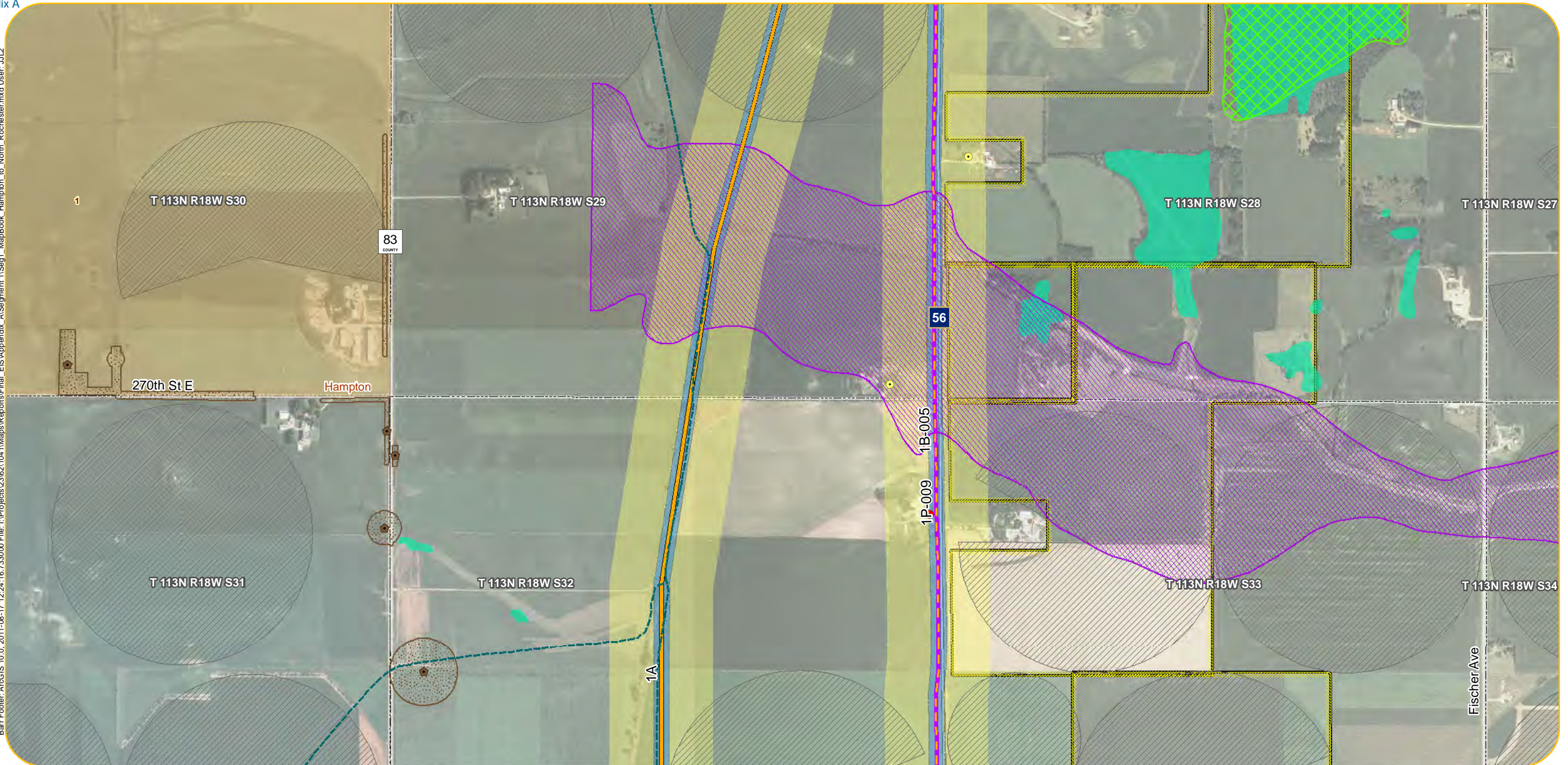
- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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



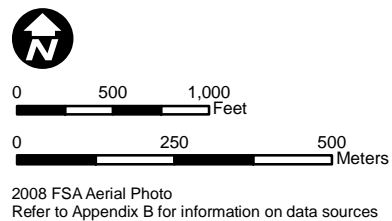
Appendix A - Sheet NR23
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



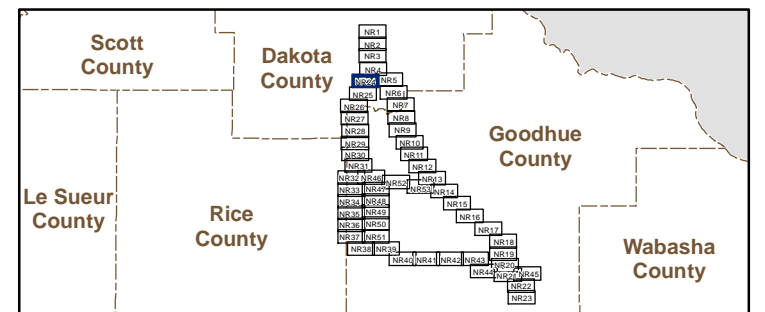
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2



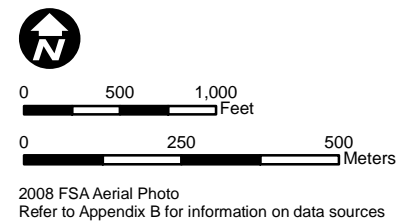
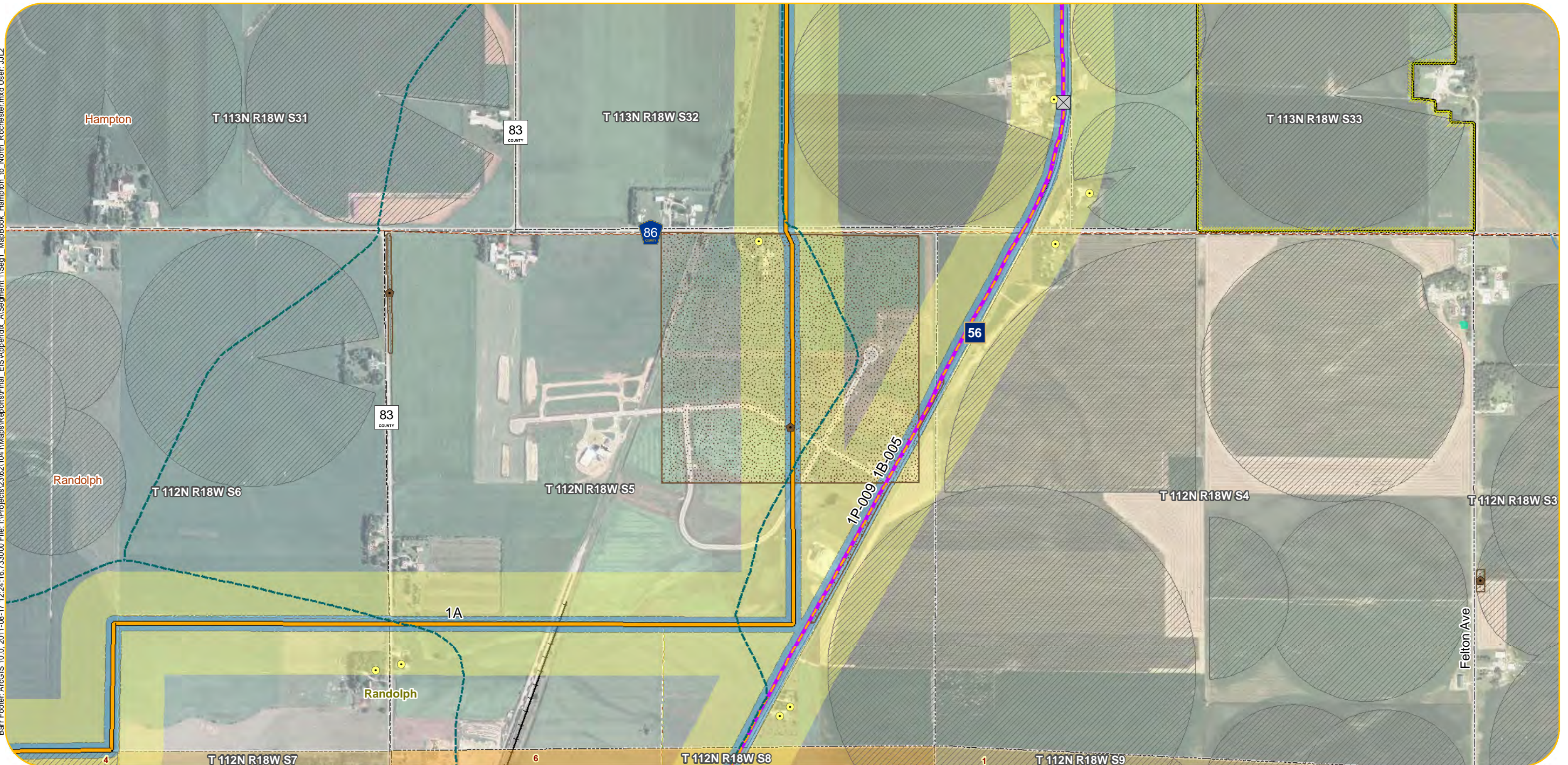
- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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



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

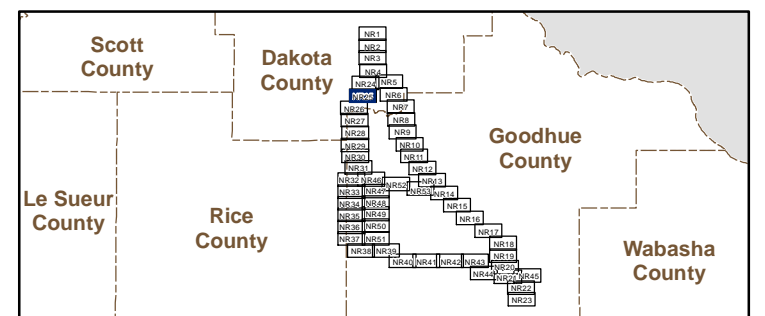


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\23621041\MapReports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2

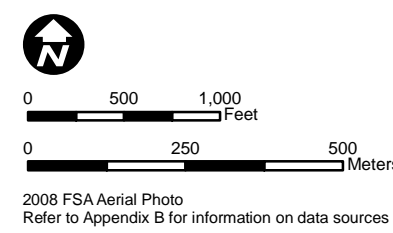
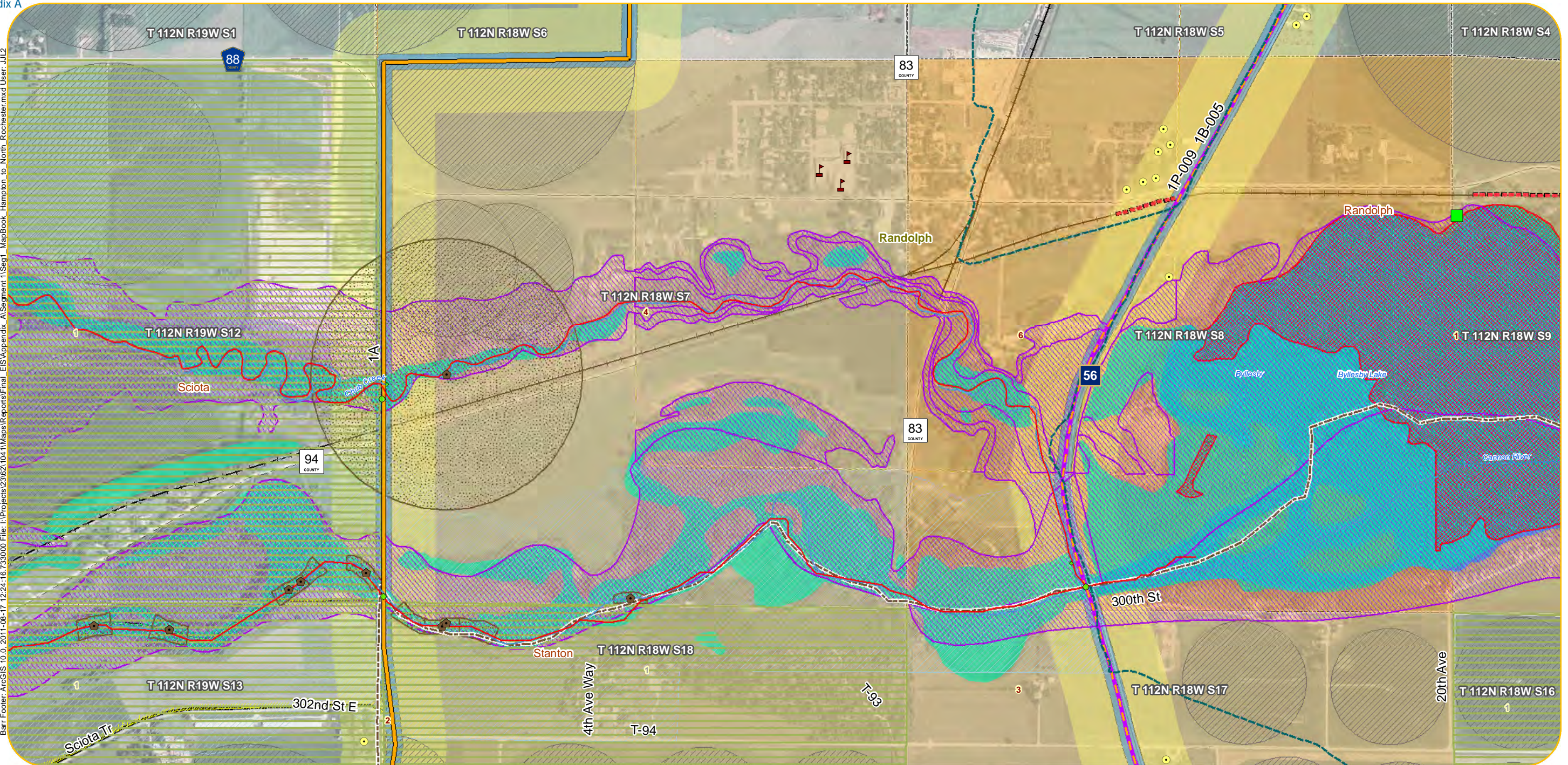


- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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

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

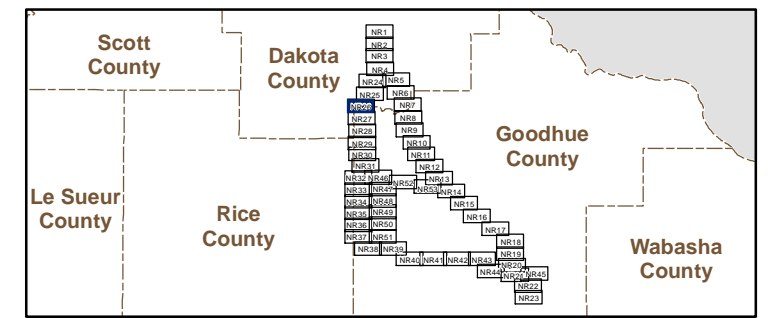


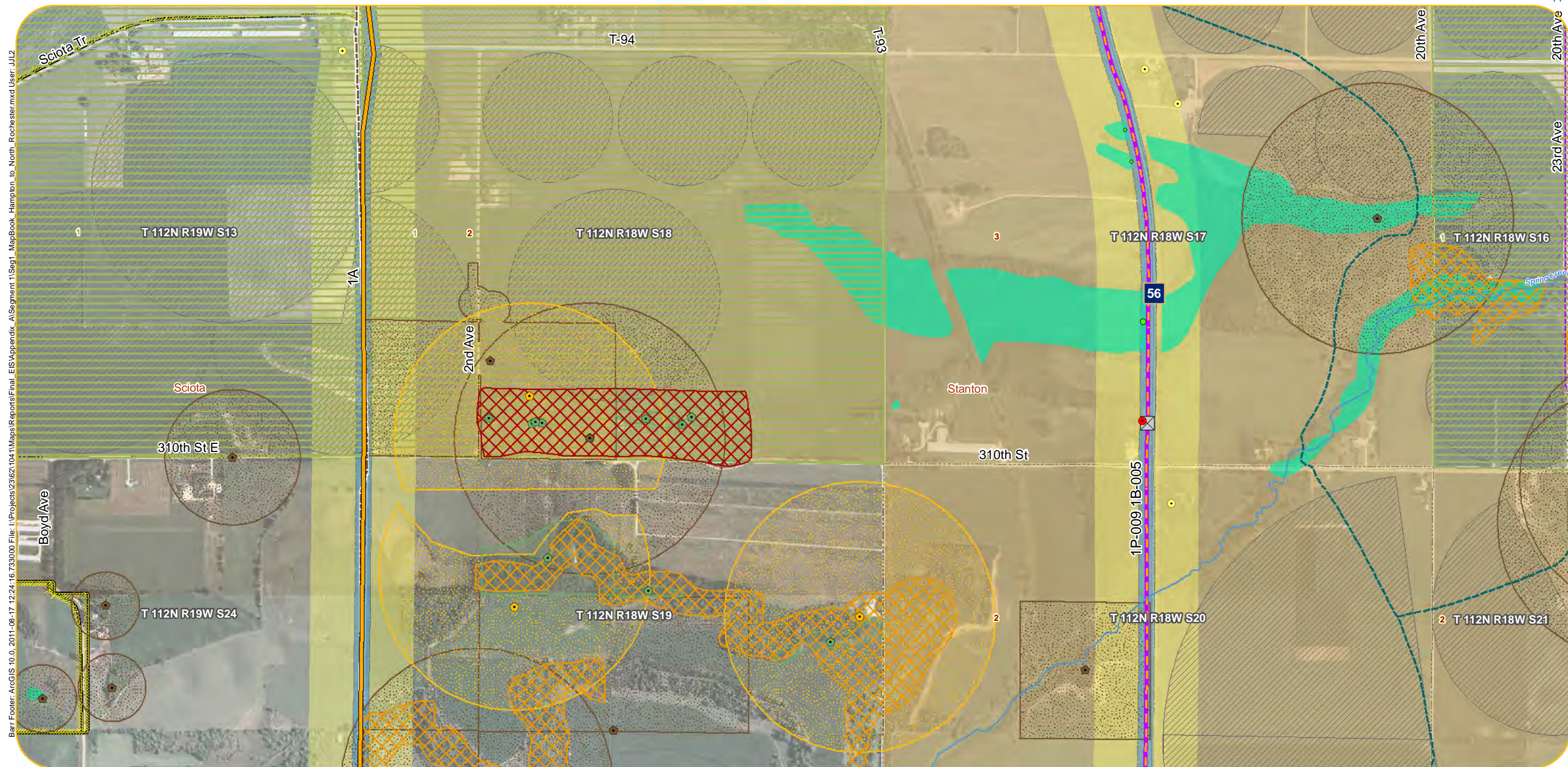
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\MapReports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2



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

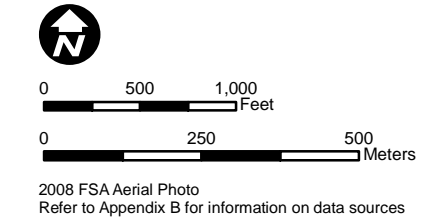
Appendix A - Sheet NR26
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



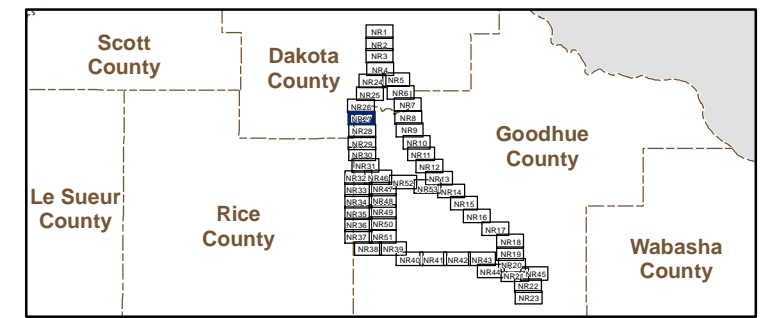


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\104\11\Maps\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2

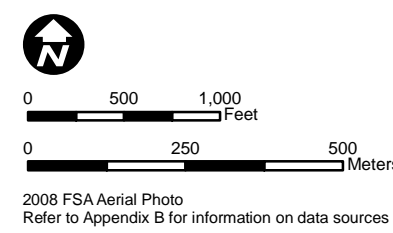
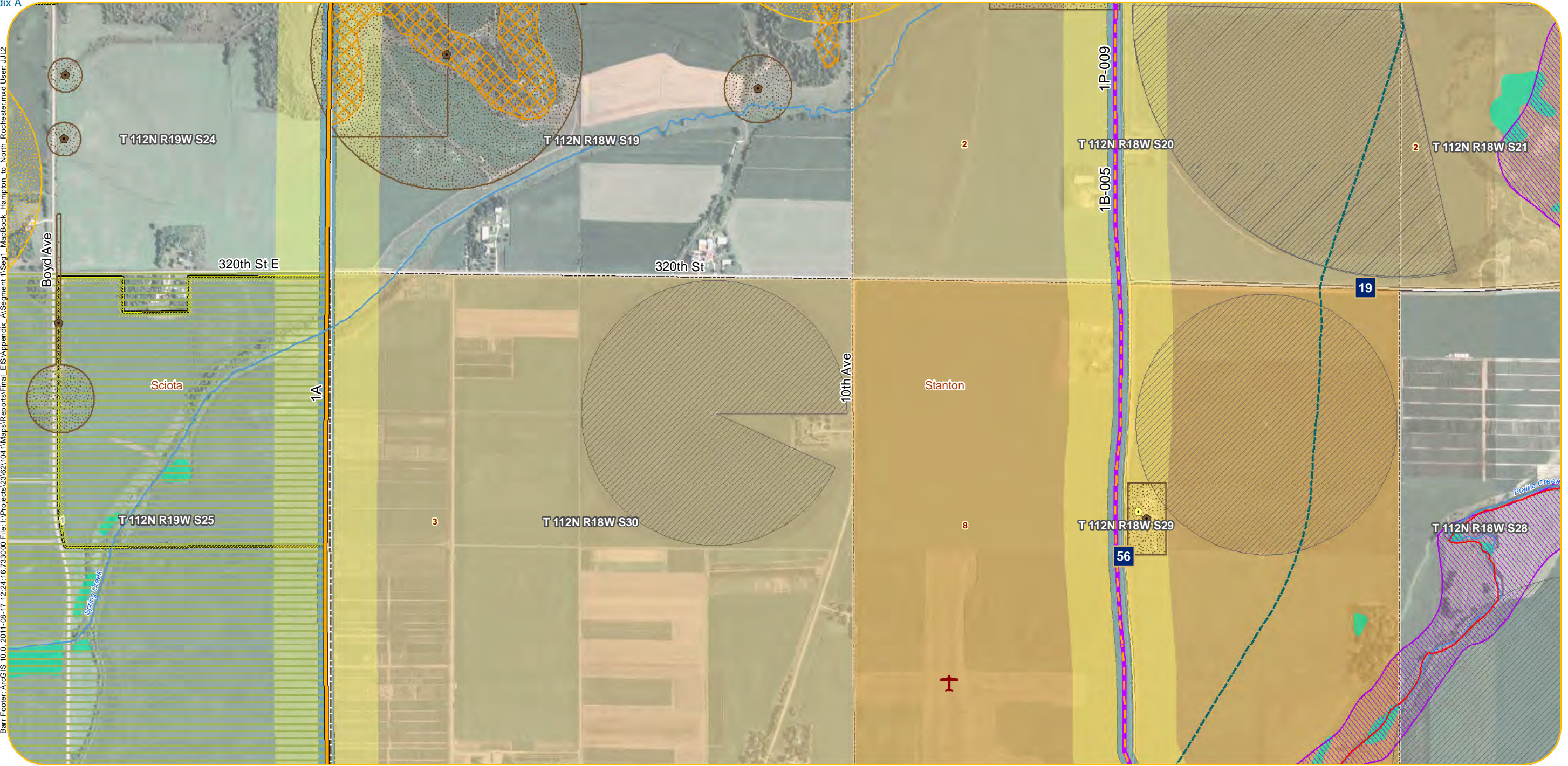
- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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



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



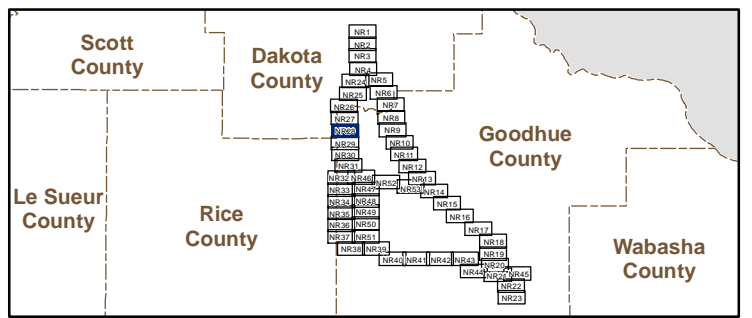
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 1\Seg1_MapBook_Hampton_to_North_Rochester.mxd User: JLL2



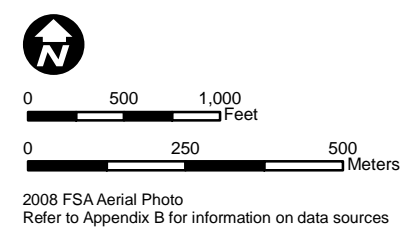
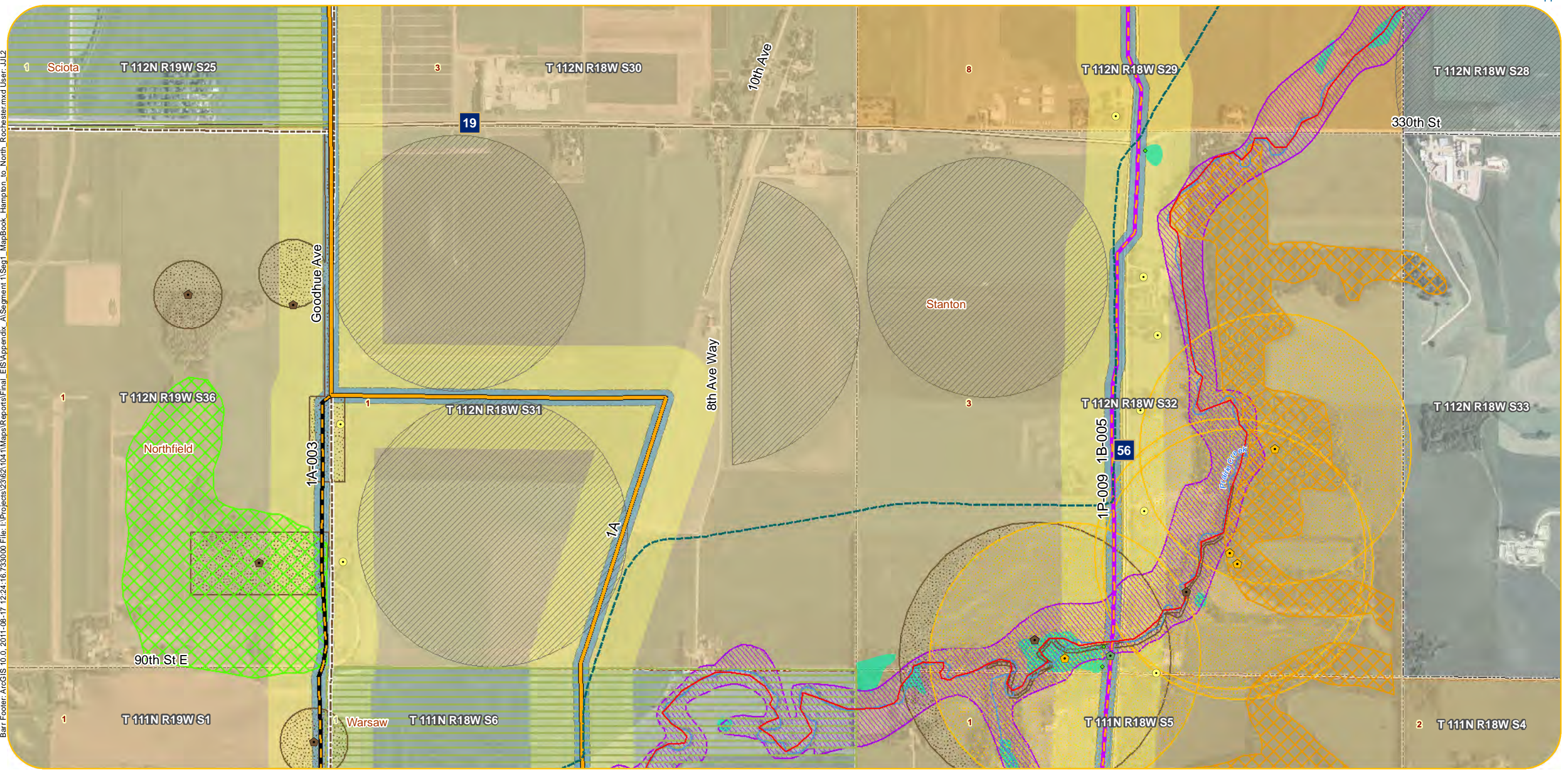
2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

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

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



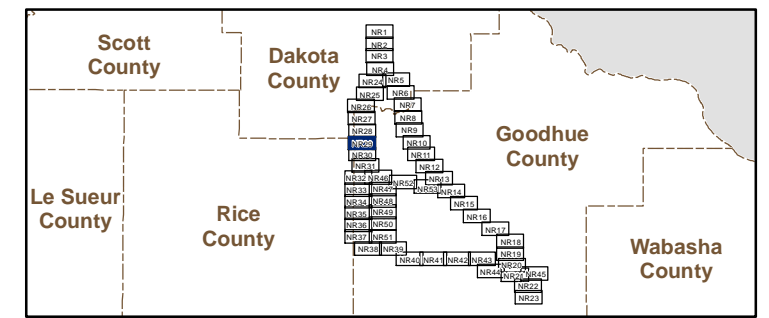
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\23621041\MapReports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JLL2

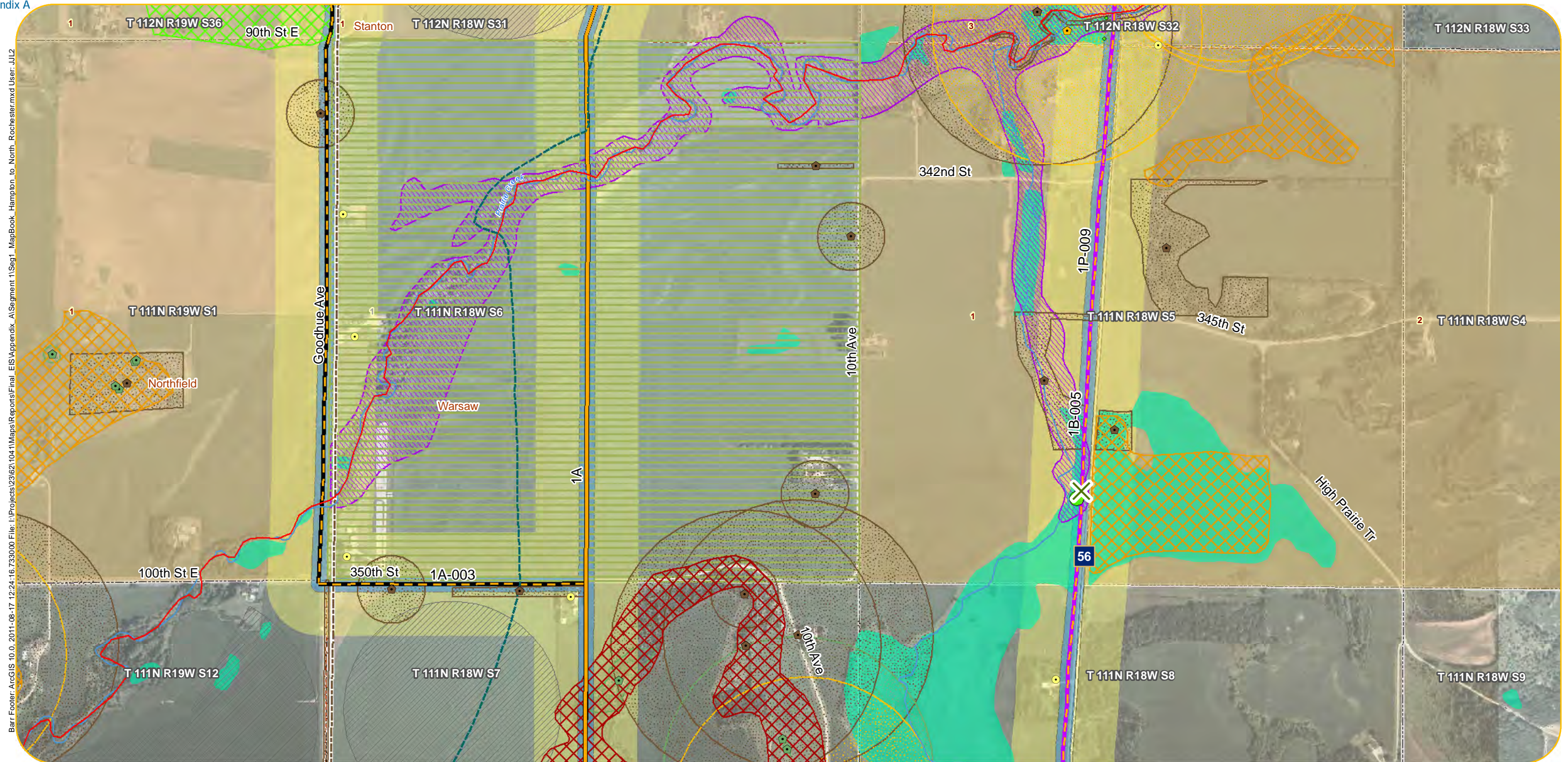


2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

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

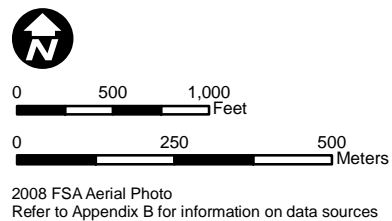
Appendix A - Sheet NR29
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



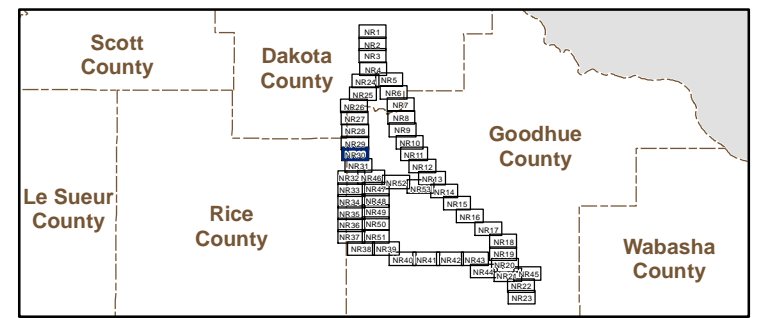


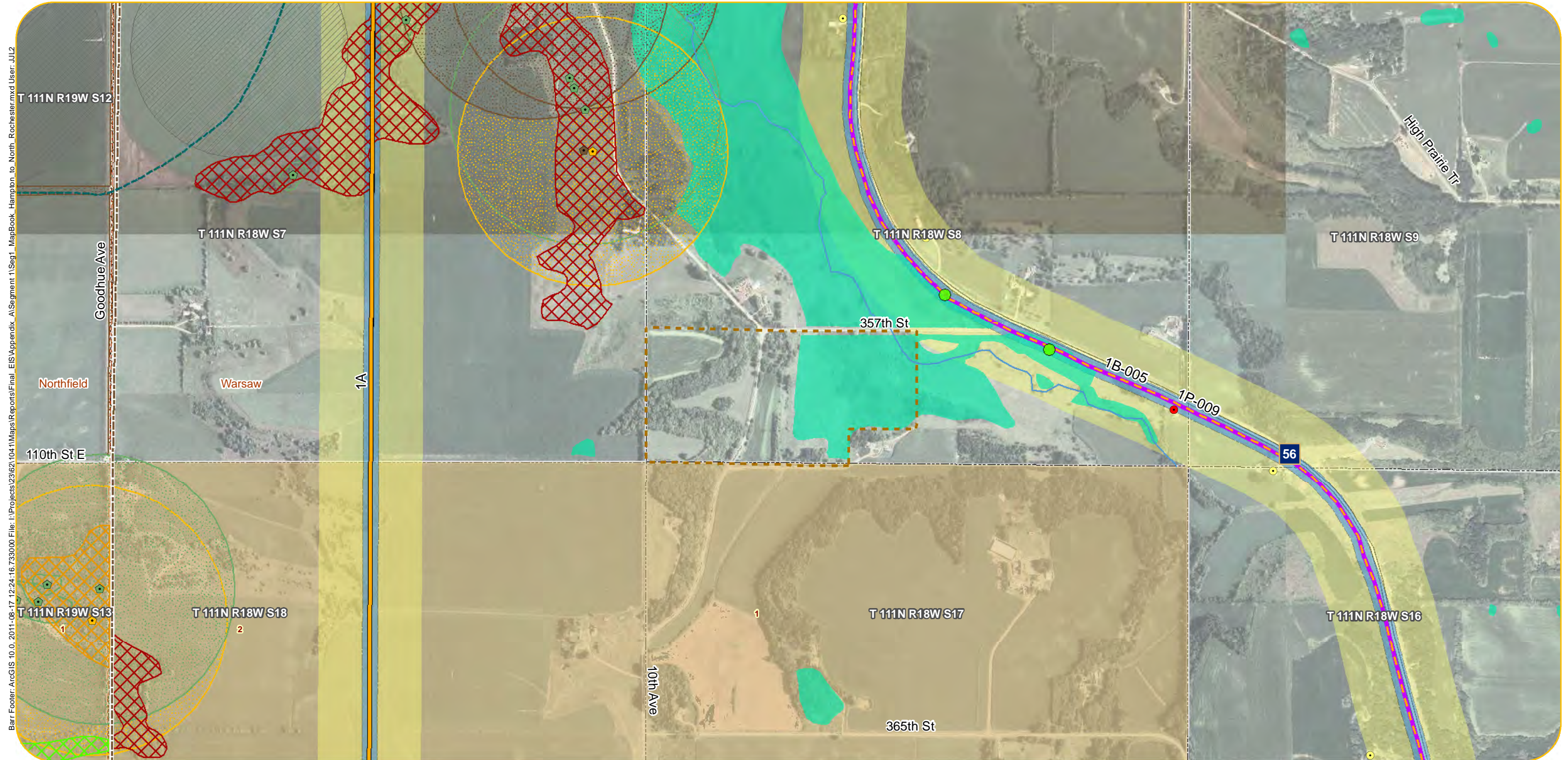
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\10411\MapBook_Hampton_to_North_Rochester.mxd User: JJJ

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



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



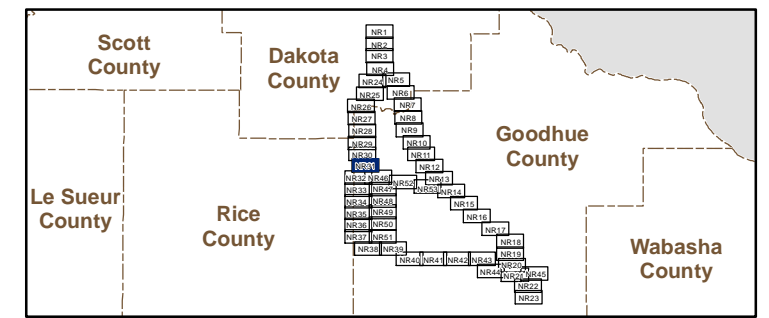


Barr Footer: ArcGIS 10.0, 2011_08-17 12:24:16.733000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix_A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2

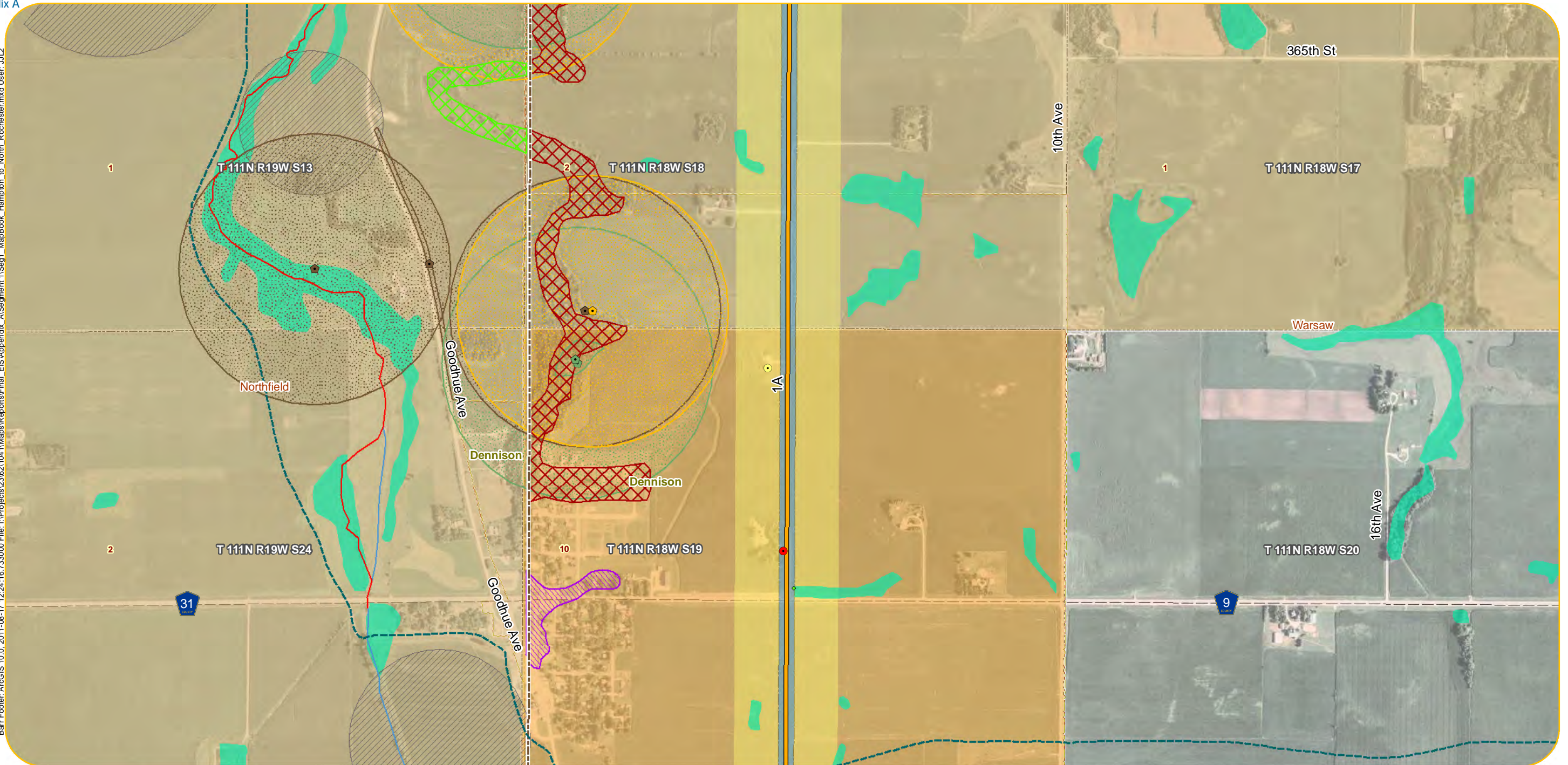
- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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



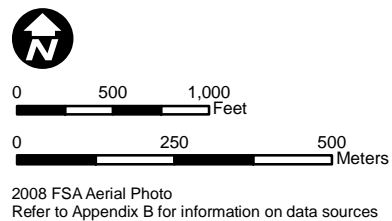
Appendix A - Sheet NR31
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



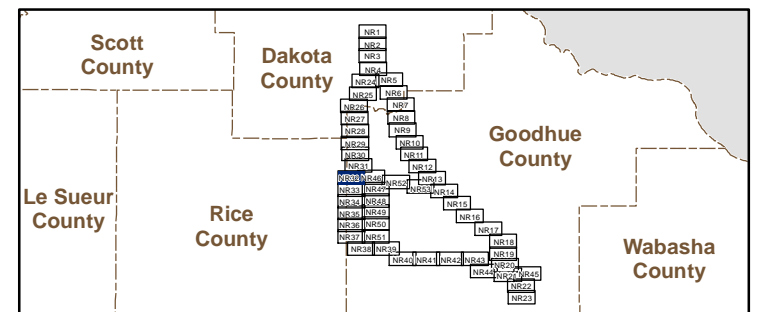
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\MapBooks\Hampton_to_North_Rochester.mxd User: JLL2



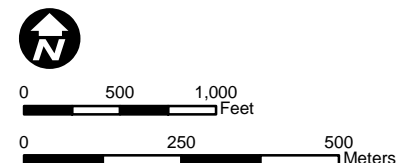
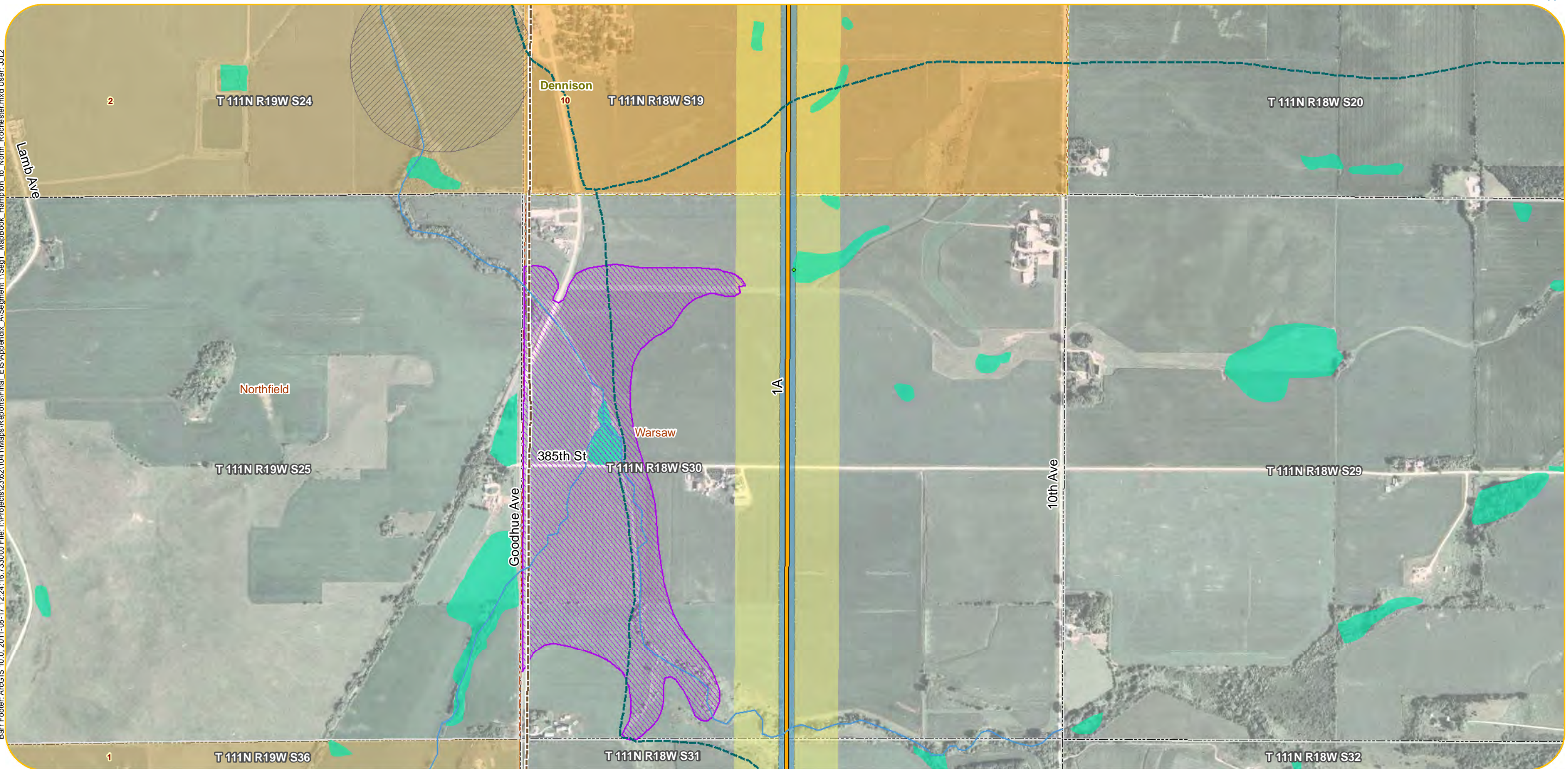
- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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



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



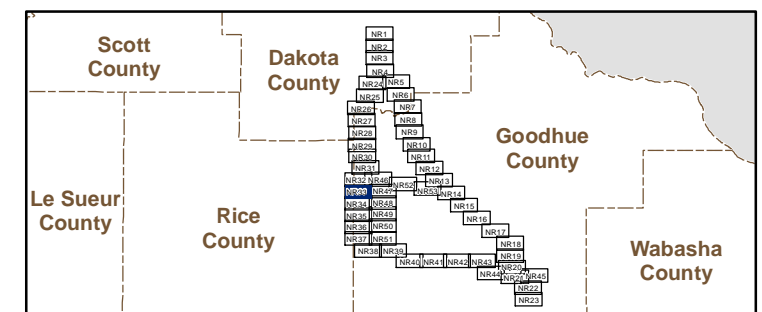
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\23621041\MapReports\Final_EIS\Appendix_A\Segment 1\Seg1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2



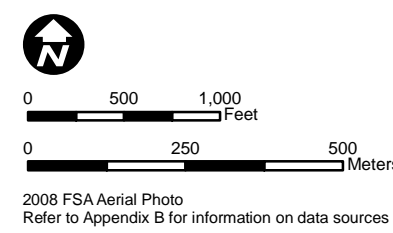
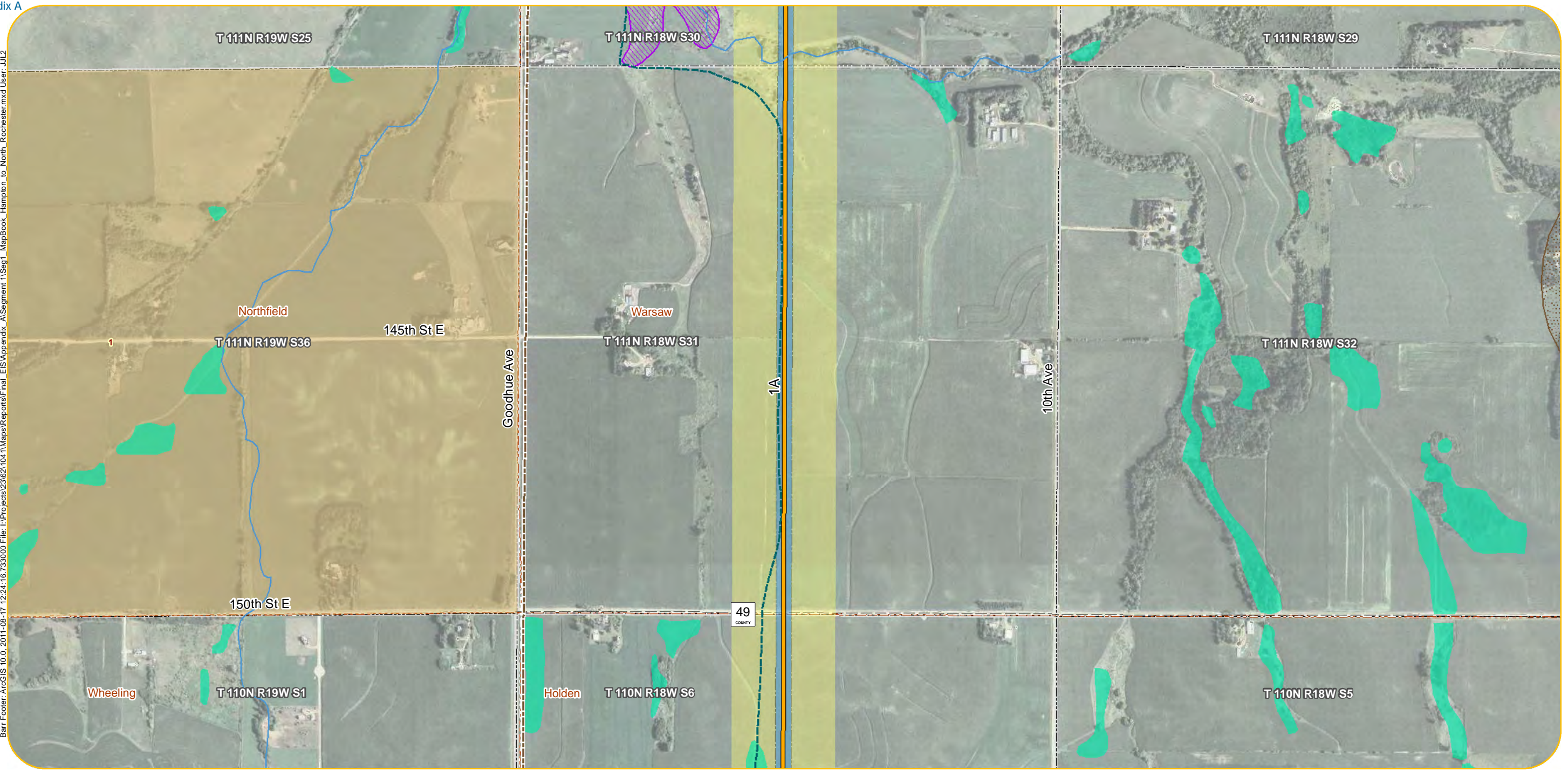
2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

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

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

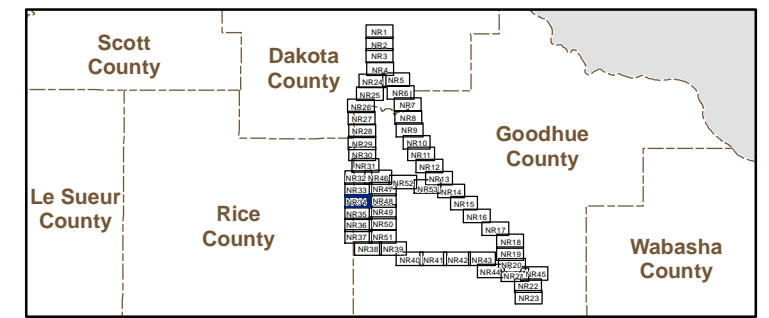


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\MapReports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JLL2

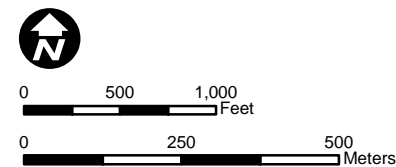
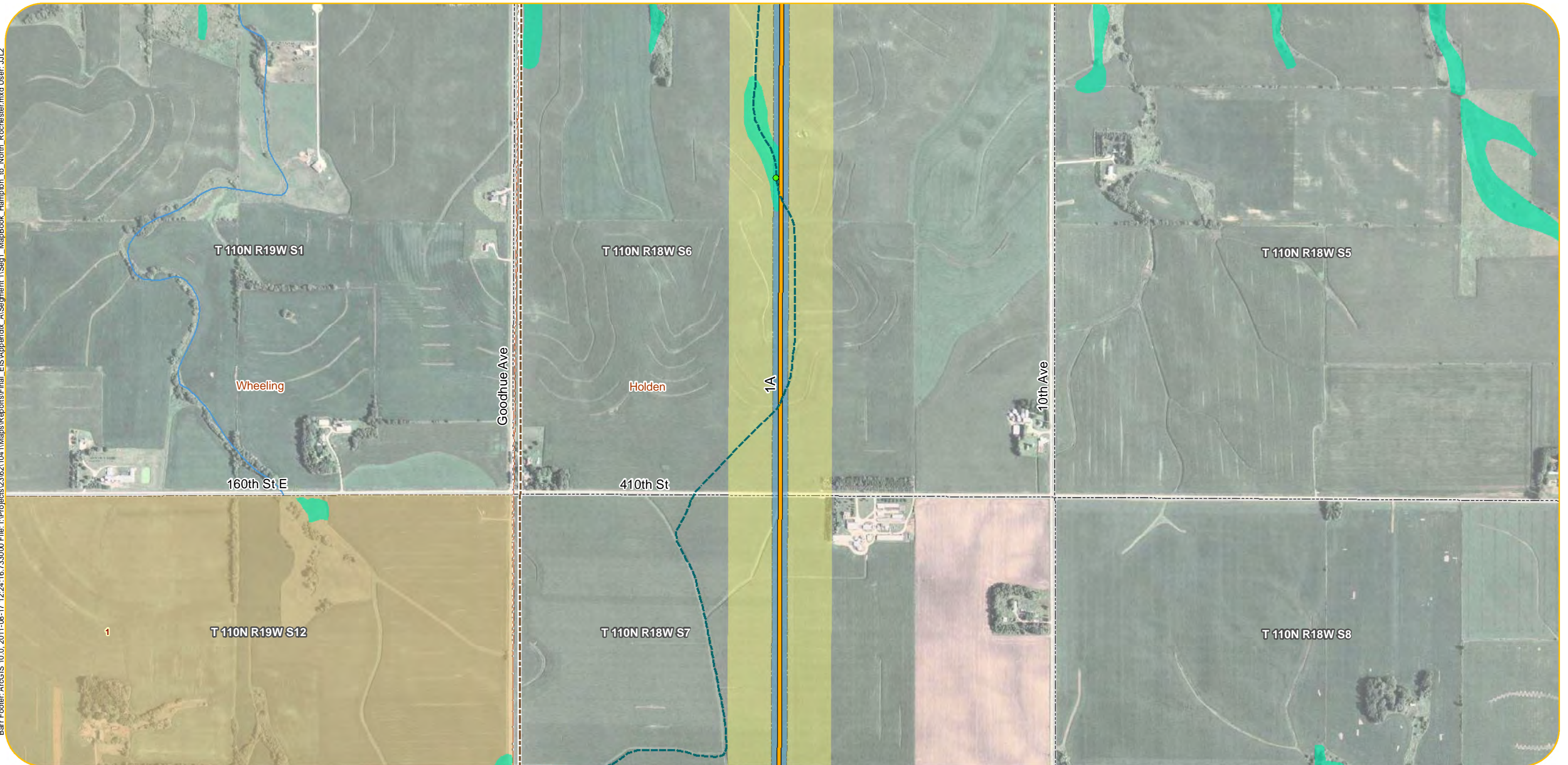


- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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

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



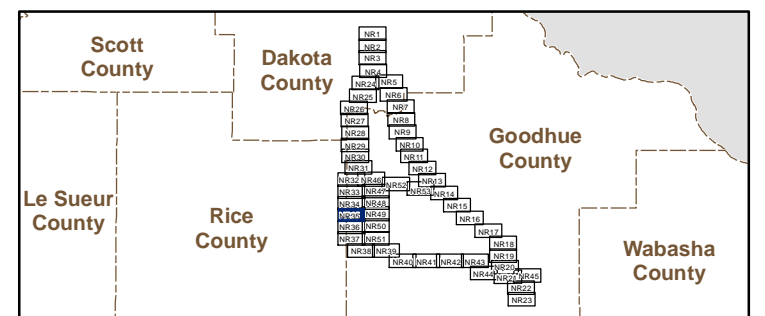
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix_A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JLL2



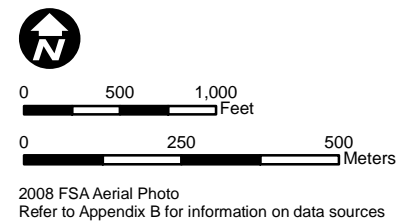
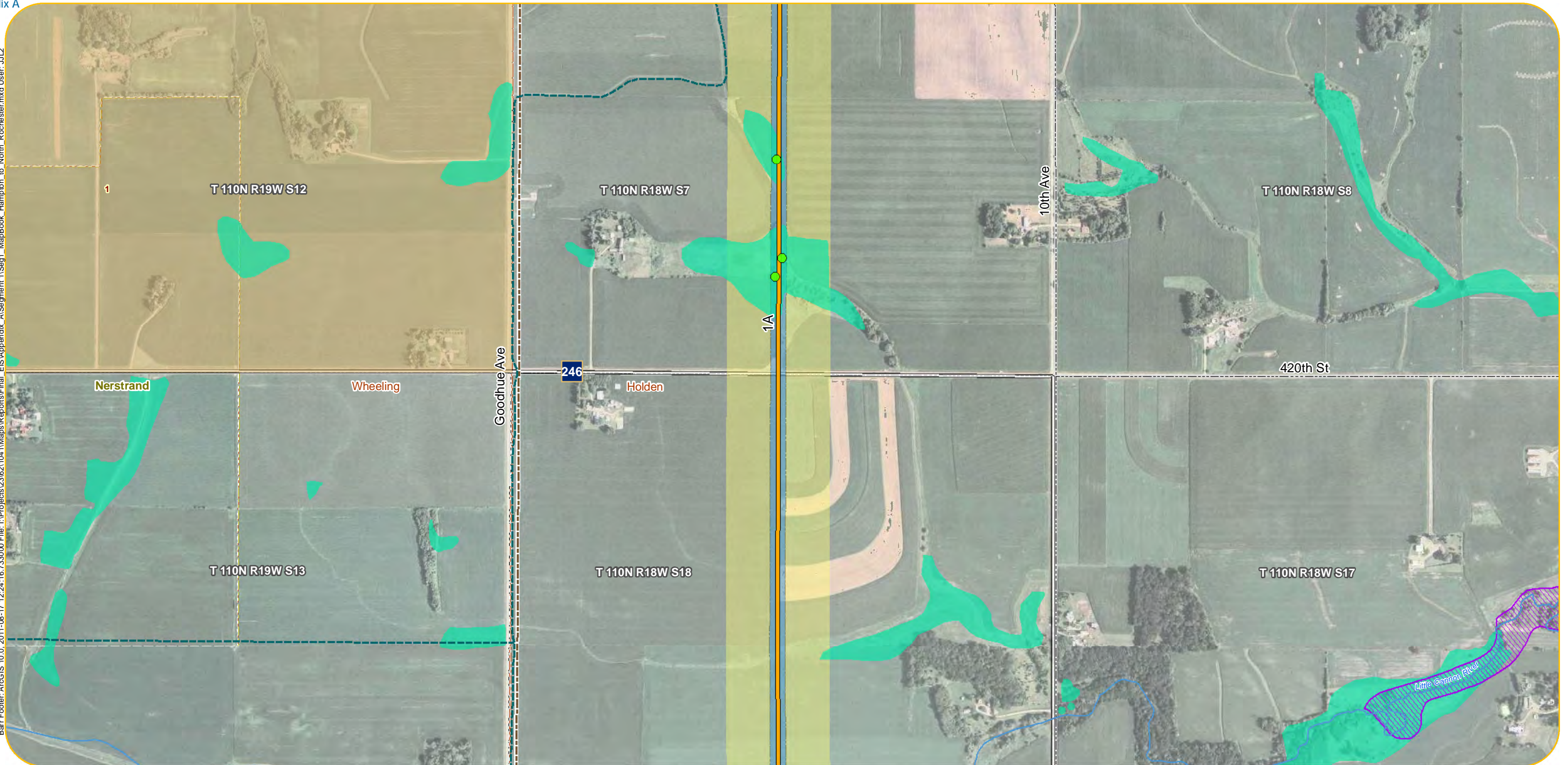
2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

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

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

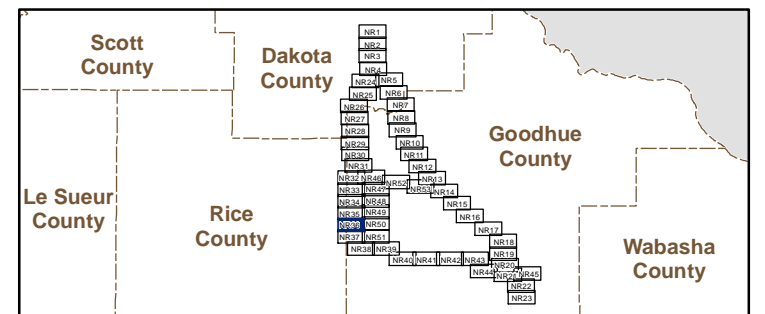


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix_A\Segment 1\Seg1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2

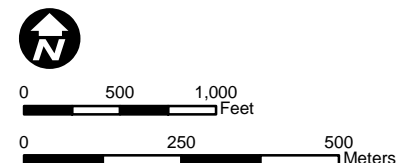
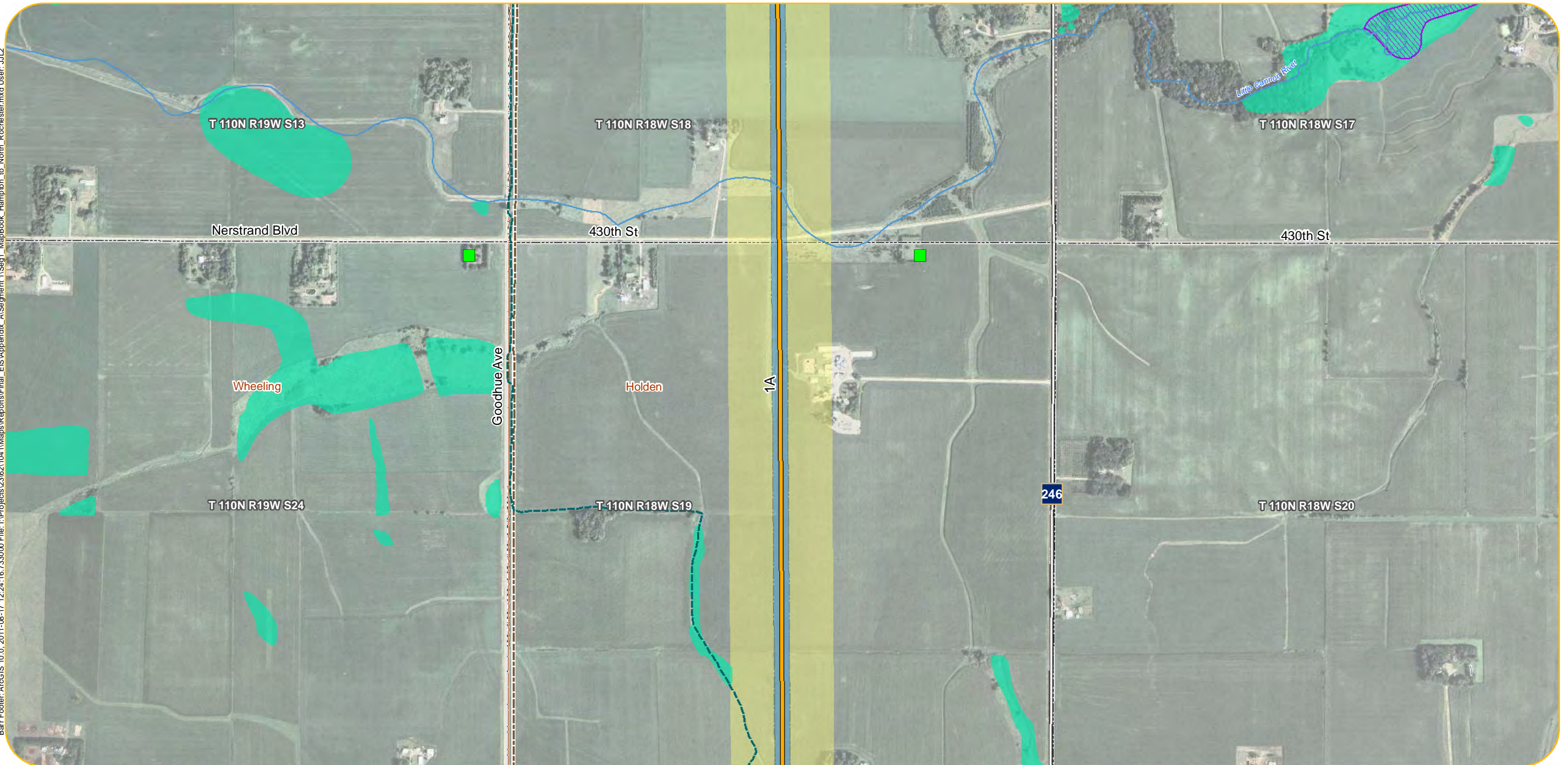


- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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

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



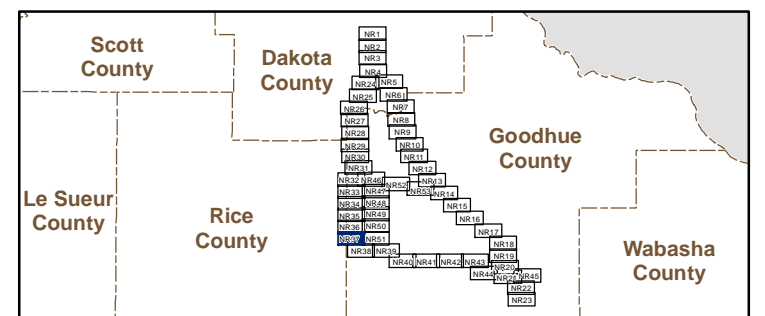
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2



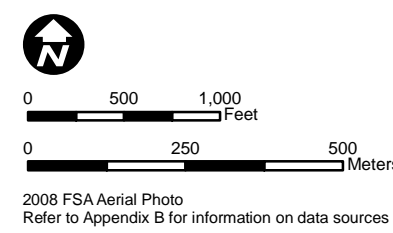
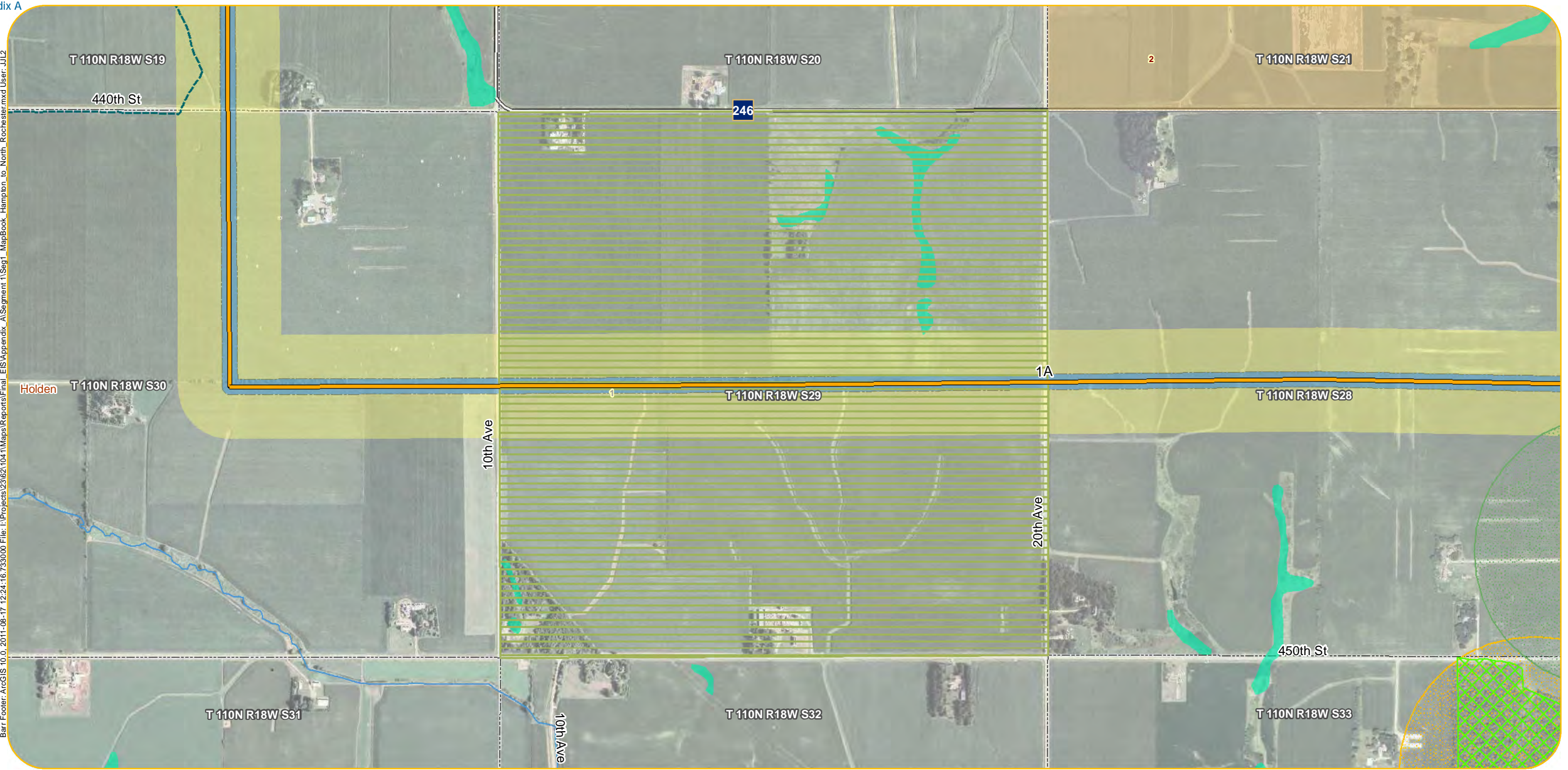
2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

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

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



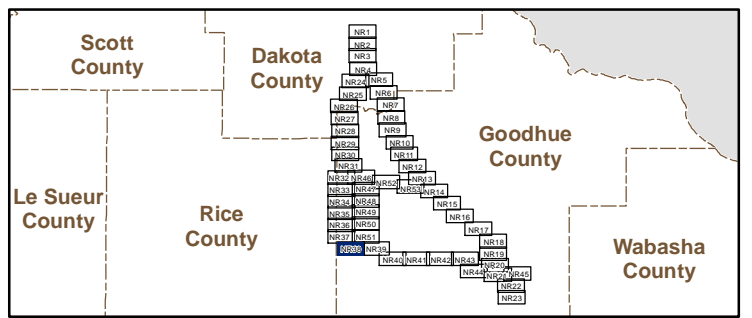
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\MapBook_Hampton_to_North_Rochester.mxd User: JLL2



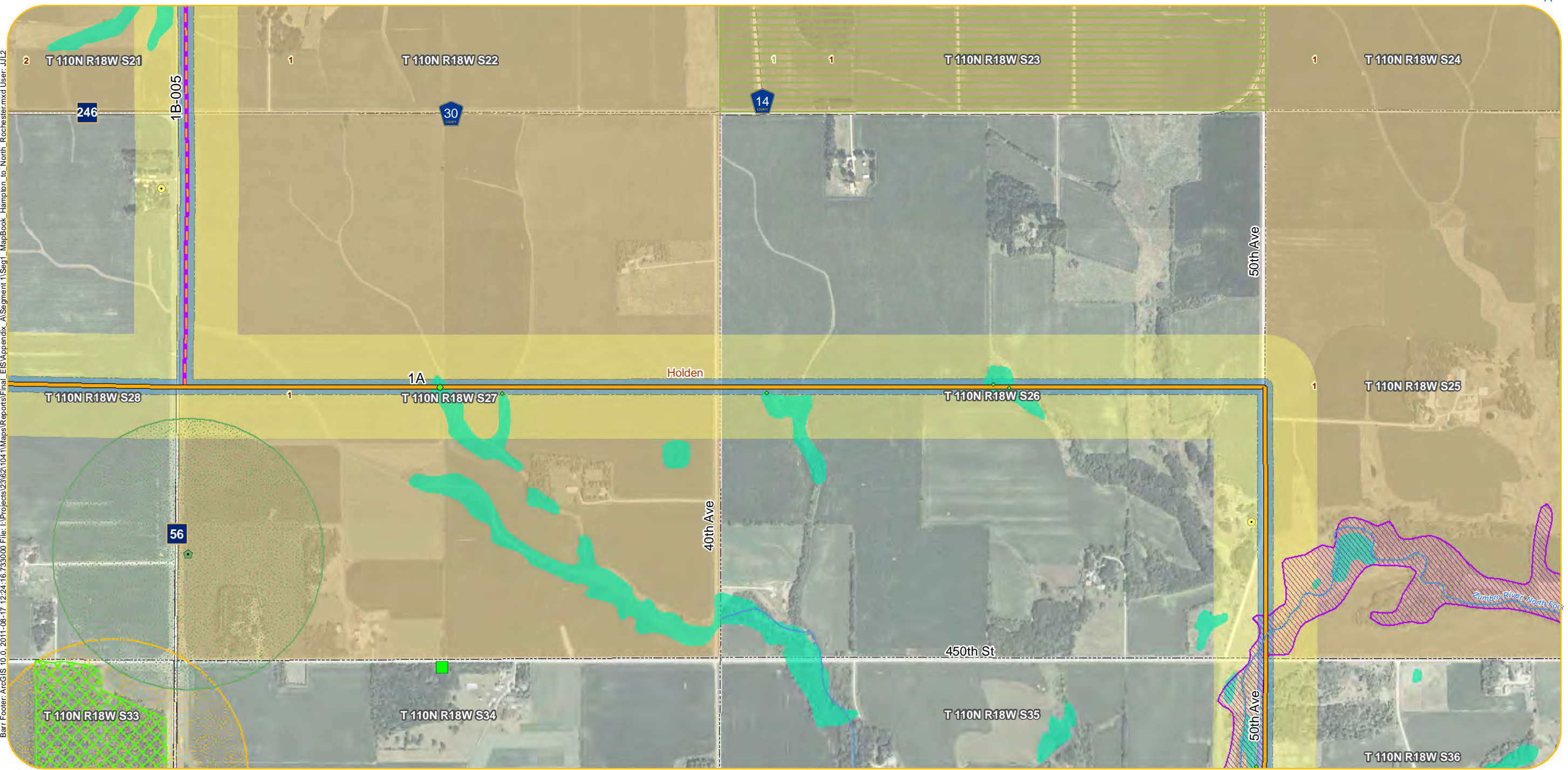
2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

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

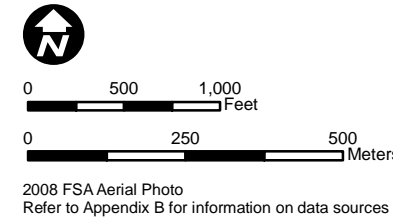
Appendix A - Sheet NR38
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



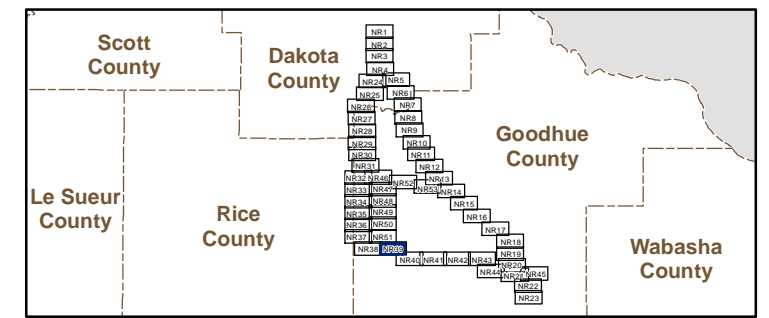
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix_A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JLI2



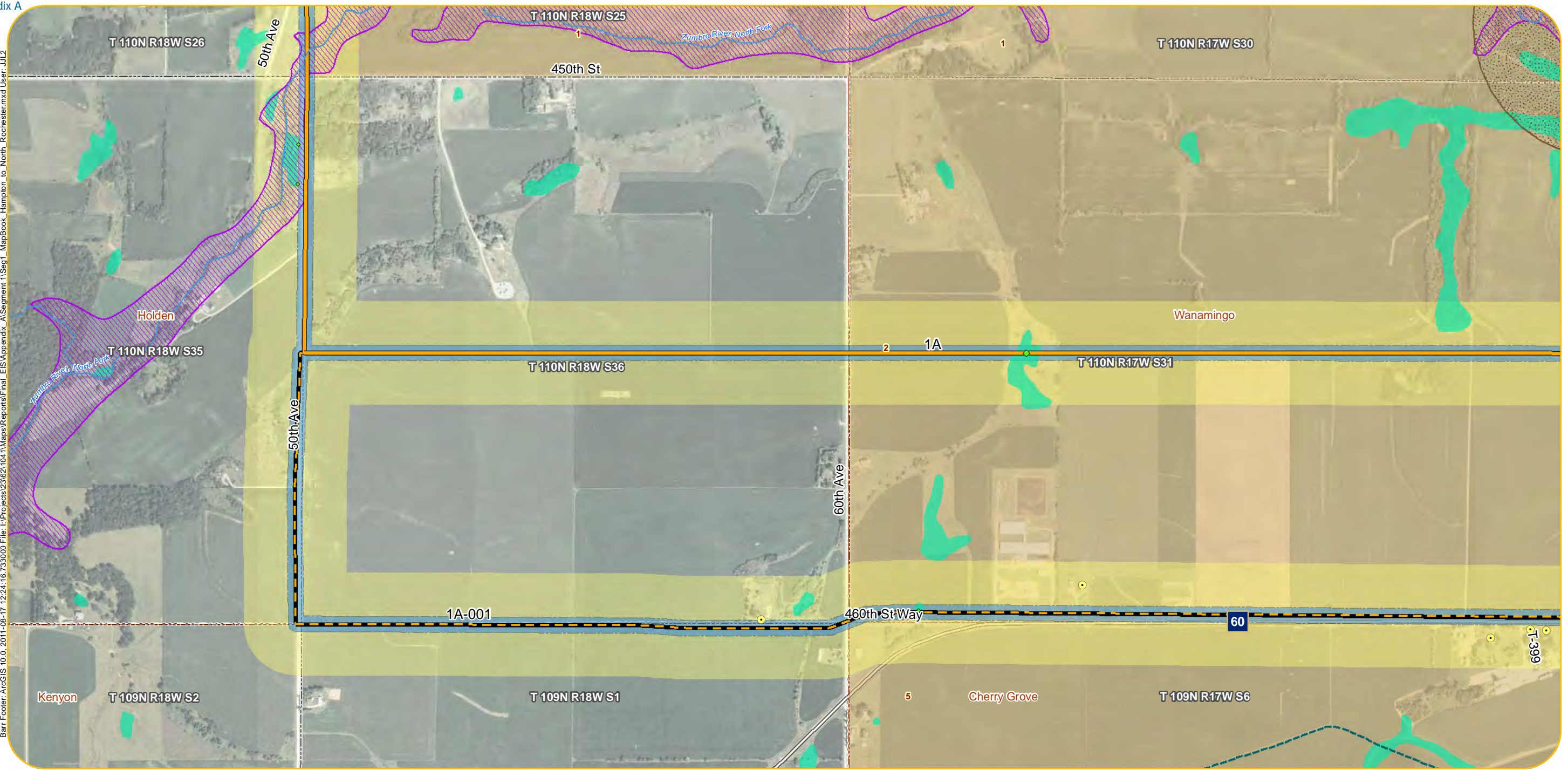
- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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



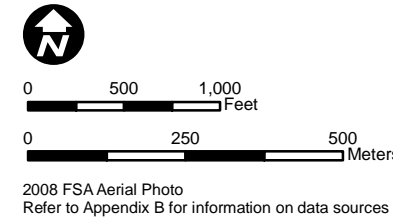
Appendix A - Sheet NR39
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



Barr Footer: ArcGIS 10.0, 2011-09-17 12:24:16.733000 File: I:\Projects\2362\1041\Map\Reports\Final_EIS\Appendix A\Segment 1\Seg1_MapBook_Hampton_to_North_Rochester.mxd User: JLL

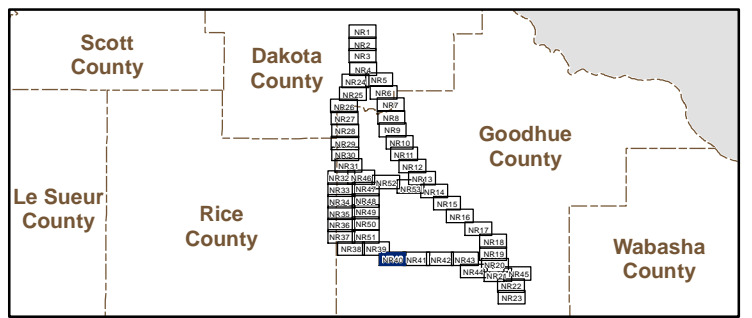


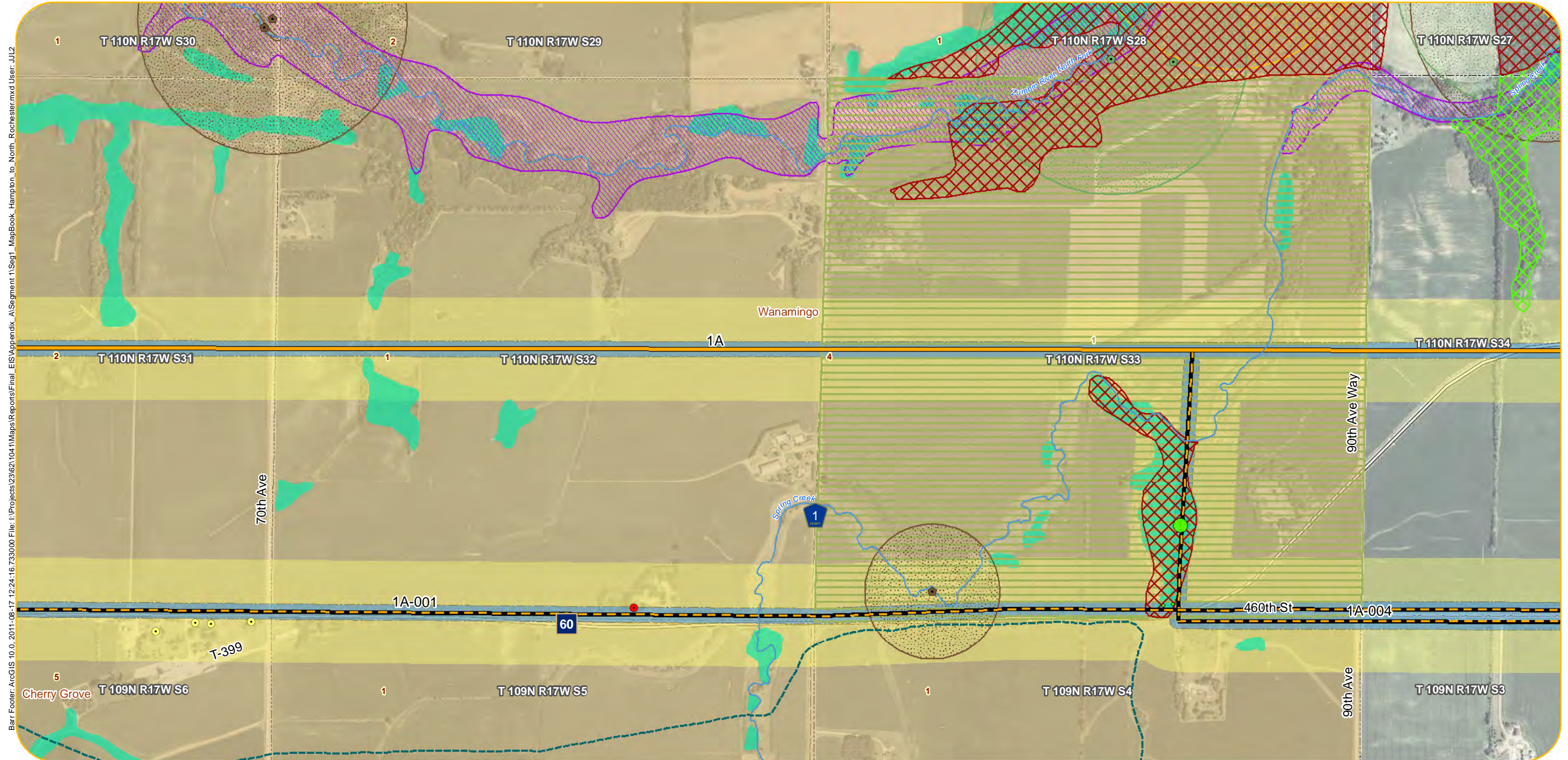
- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area (acres) within 150-foot ROW |
| A Route | Residences within 500 Feet of Alternatives | Zoological | Tribal Lands | 0.0 - 0.5 |
| Additional Alternative Routes | Churches | Snowmobile Trail | Pivot Irrigation | 0.6 - 1.0 |
| Variation on P Route | Cemeteries | State Existing Trail | Trout Streams | 1.1 - 2.0 |
| Variation on A Route | Schools | Scenic Byway | Q3 FEMA Floodplain | 2.1 - 3.0 |
| Variation on Both | Nursing Homes | Fish Technology Center | Recreational | 3.1 - 6.1 |
| Alignment Alternatives | Hospitals | Fisheries Research Station | Scenic | Archaeological Sites |
| 150-foot ROW | Pinch Points | National Fish Hatchery | Wild | 1 - 2 |
| 1,000-foot Route Width | Airport | National Wildlife Refuge | Designated Wildlife Lakes | 3 - 4 |
| Municipalities | State Designated Railroad Prairie | Waterfowl Production Area | Impaired Lakes | 5 - 6 |
| Civil Townships | MN DNR Natural Heritage | MCBS Biodiversity Significance | Impaired Streams | Historical Sites |
| Public Land | Botanical | Moderate Significance | Public Water Inventory Basins (includes lakes and wetlands) | 4 1 - 5 |
| Survey Sections | Ecological | High Significance | Public Water Inventory Watercourse | 18 6 - 20 |
| | Zoological | Outstanding Significance | NWI Wetlands | 58 21 - 164 |
| | | 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 NR40
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation



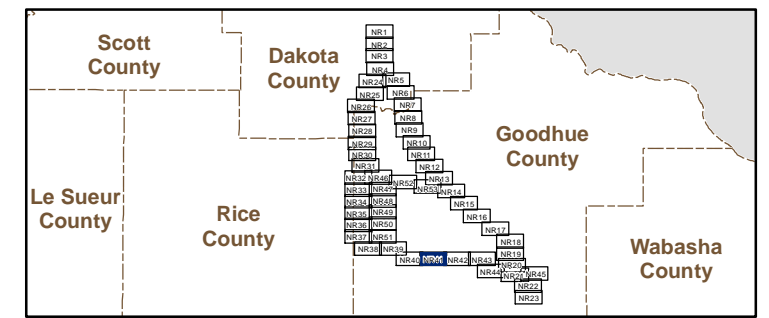


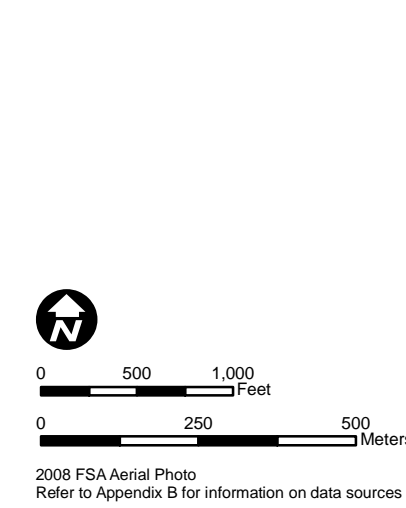
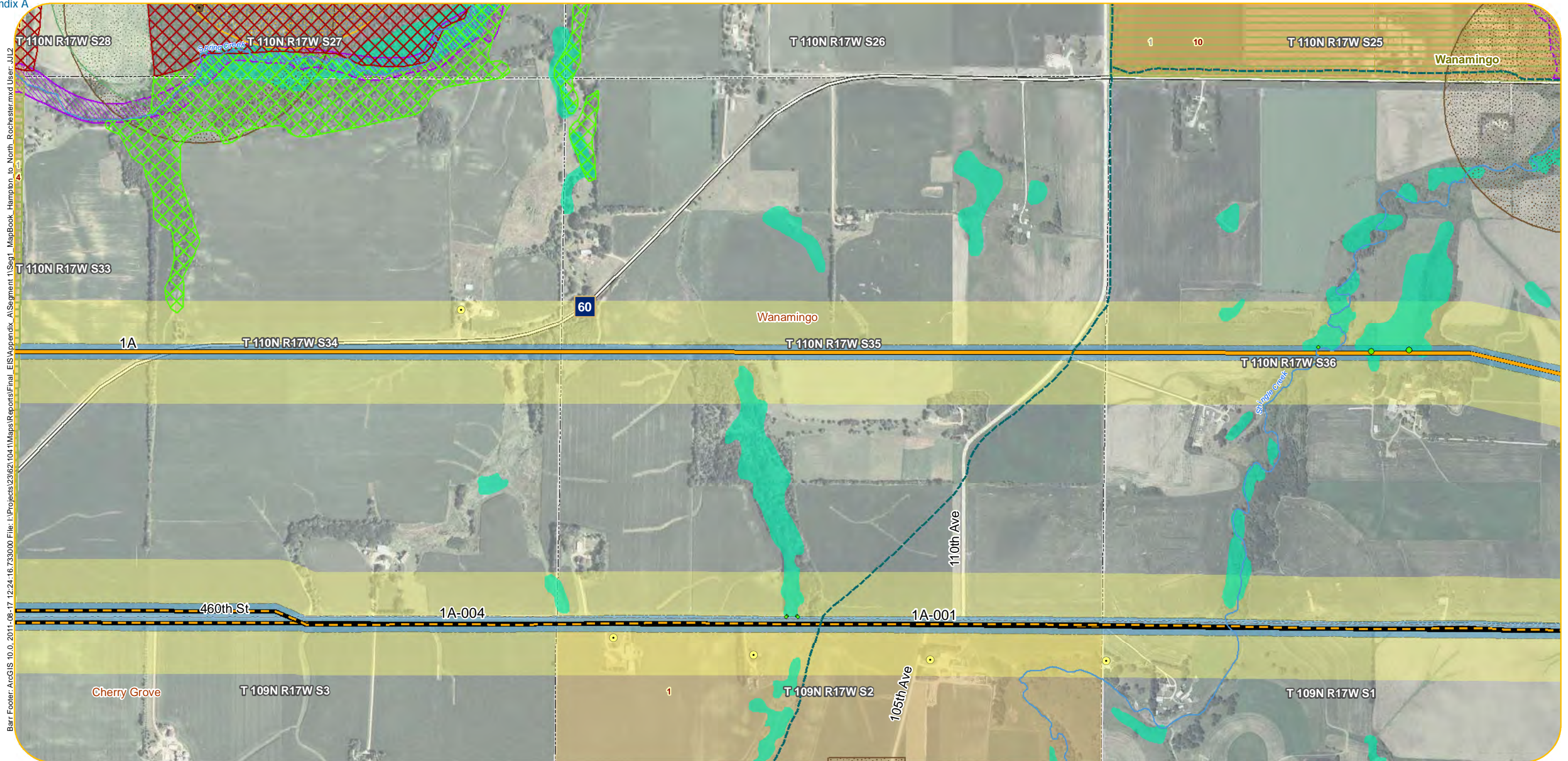
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JLL2

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



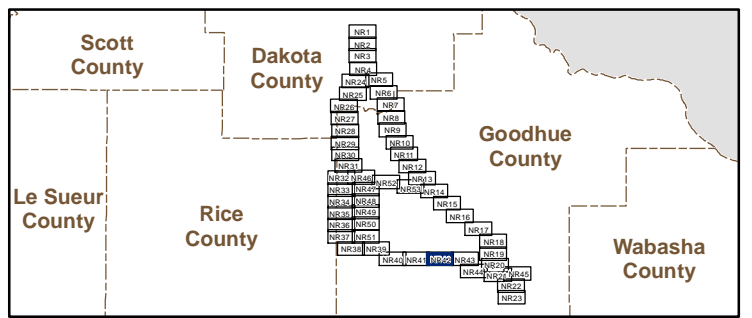
Appendix A - Sheet NR41
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

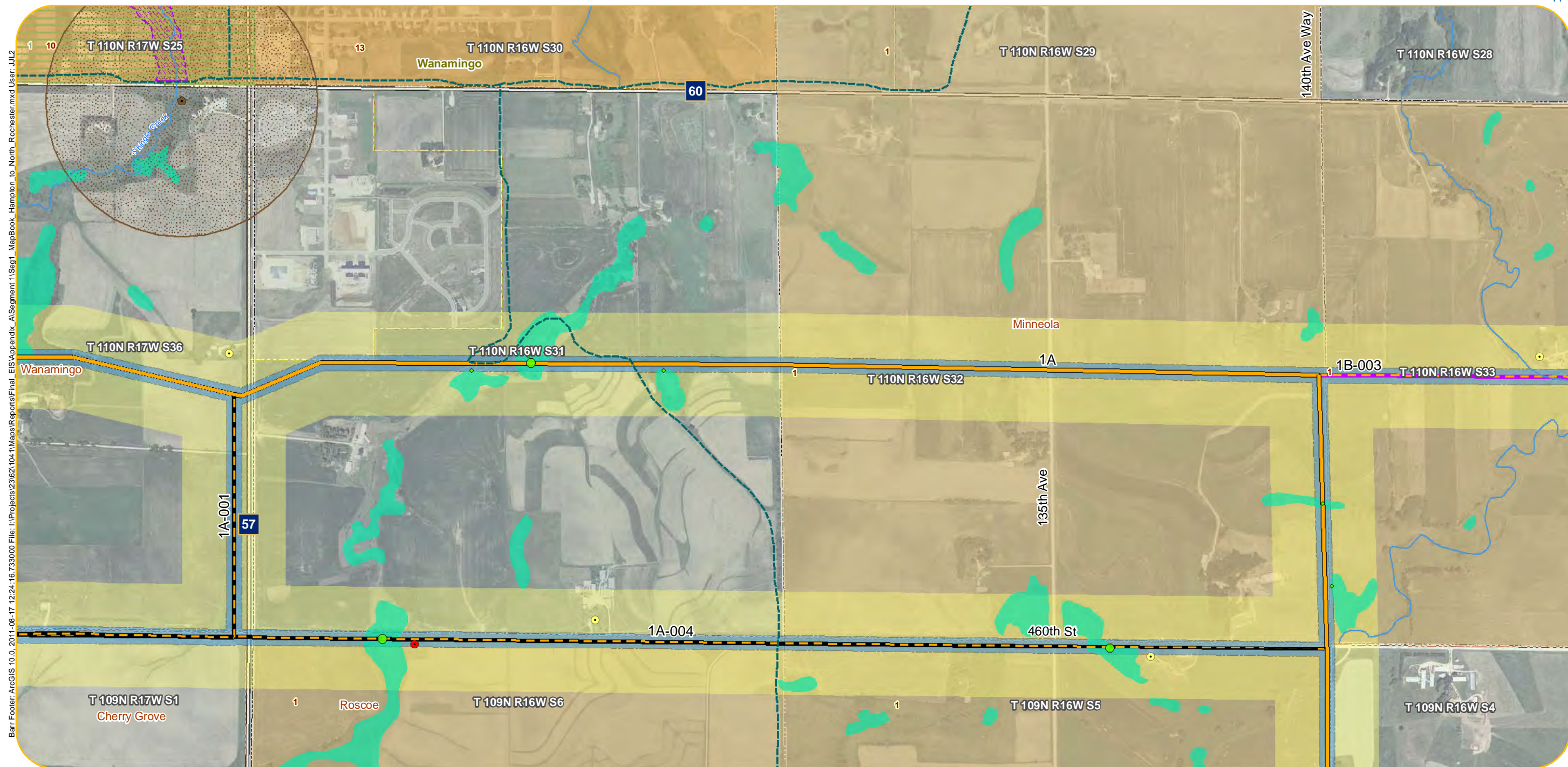




- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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

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



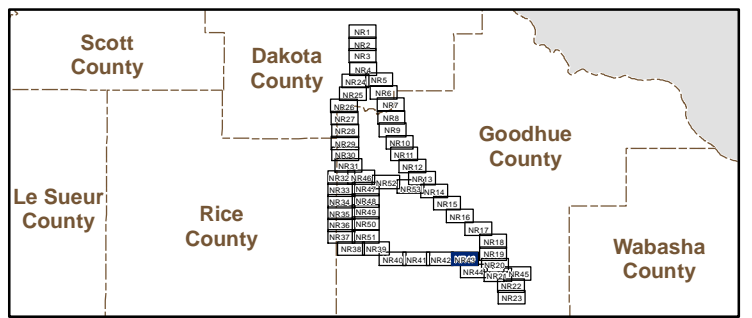


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Mapa\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2

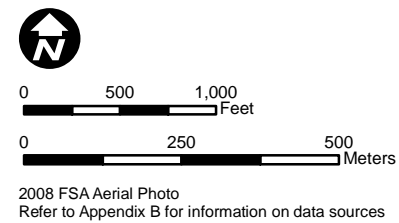
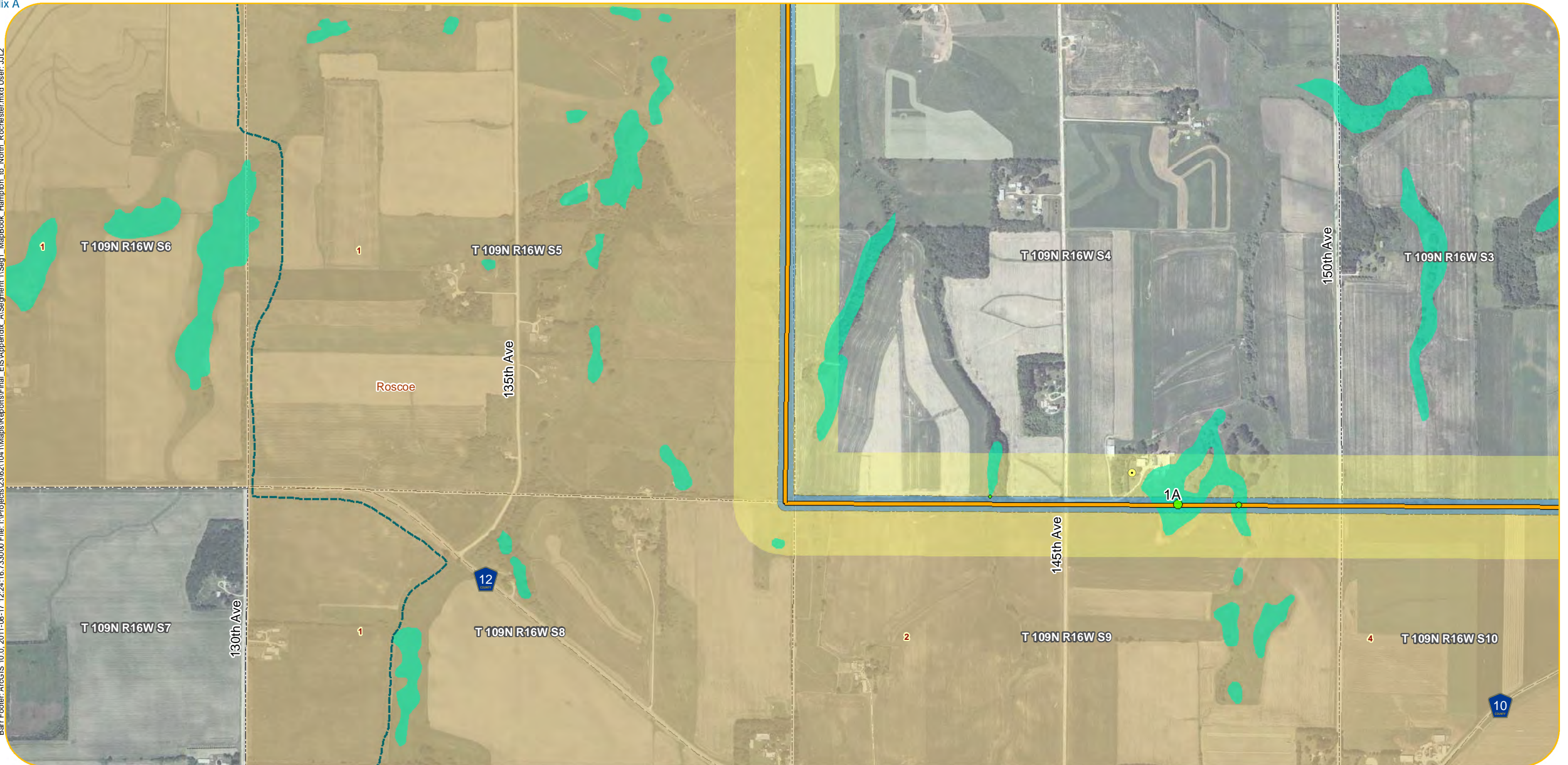
- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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



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

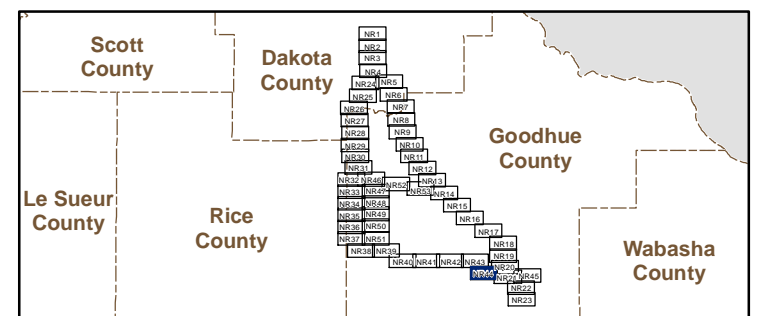


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix_A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JLL2

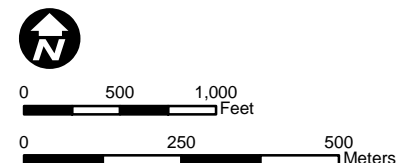
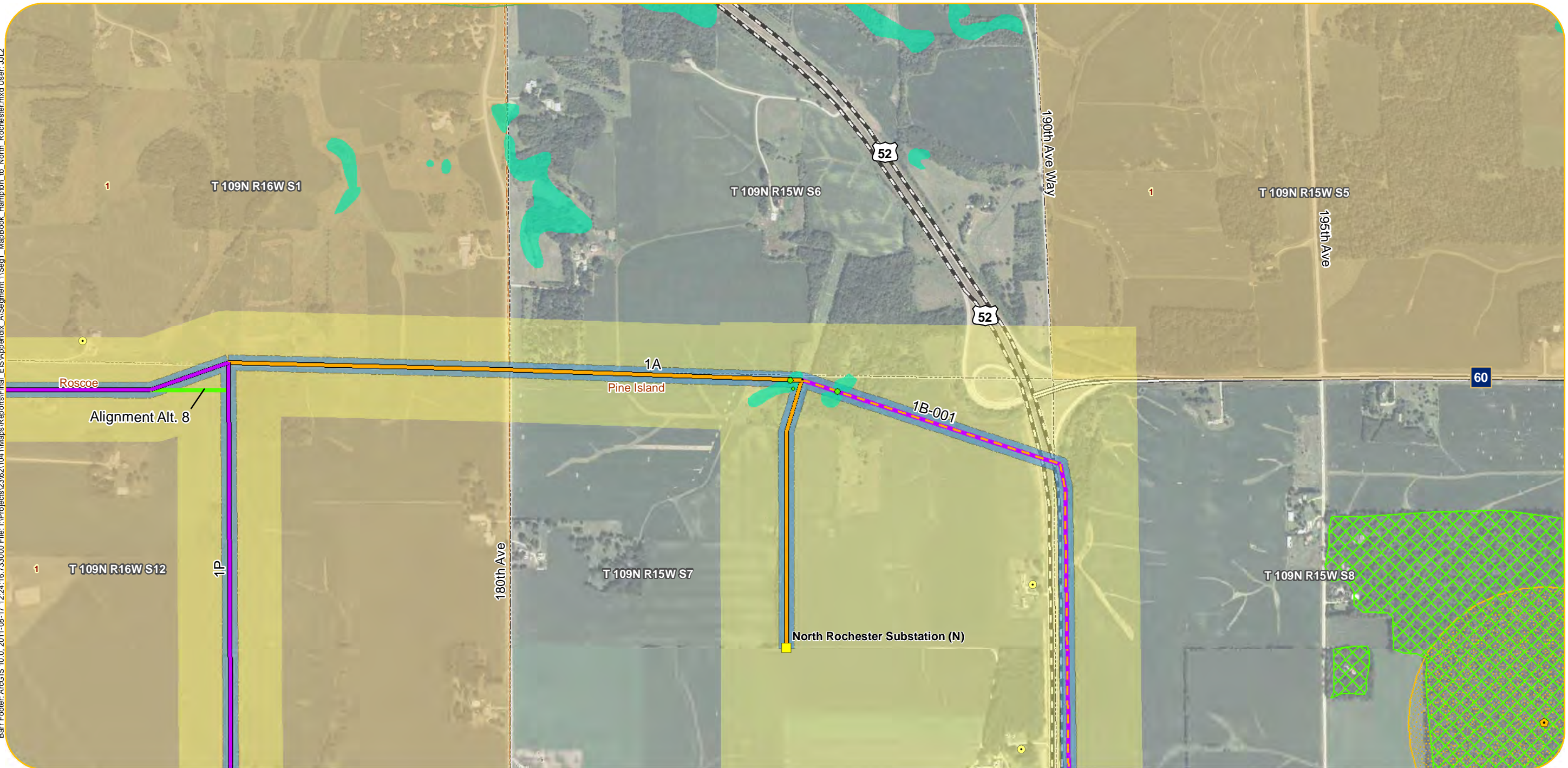


- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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

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



Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362104\11\MapBooks\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JLL2

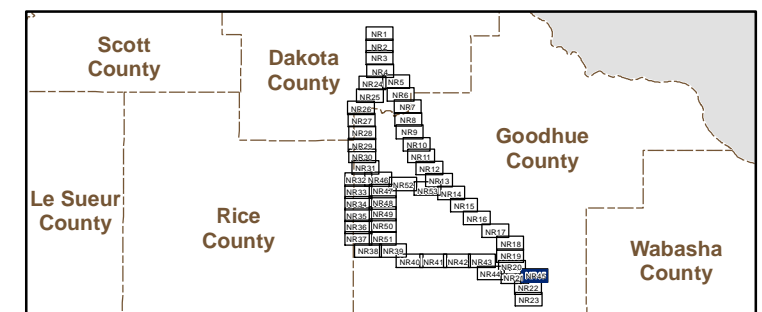


2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

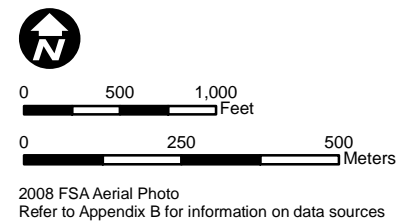
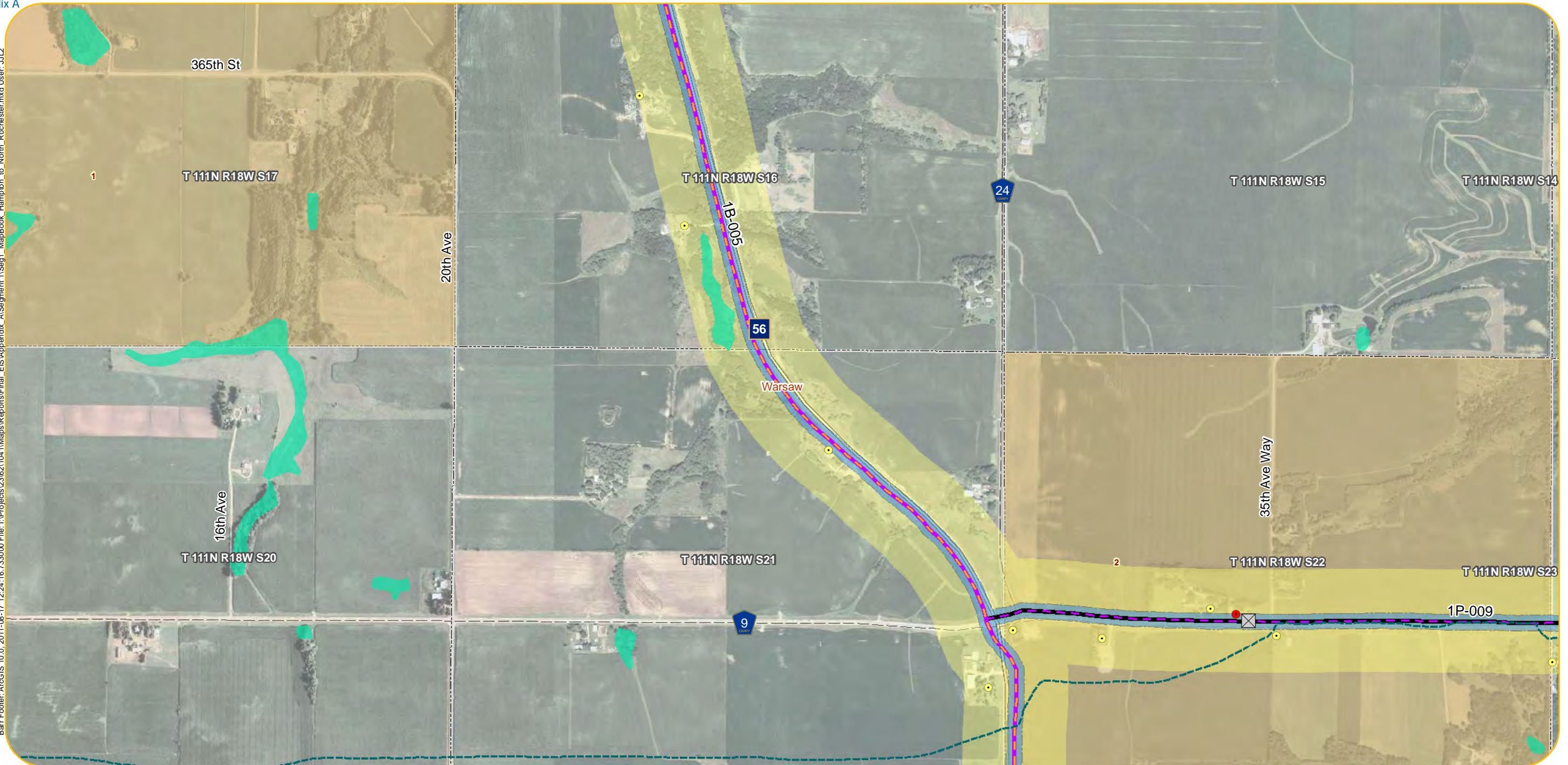
- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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

Appendix A - Sheet NR45
Detail Map
Segment 1,

Hampton Substation to North Rochester Substation

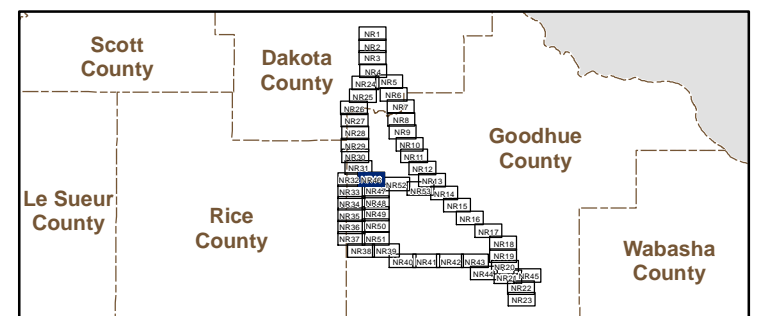


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\23621041\MapReports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JLL2

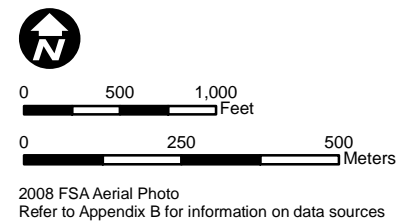
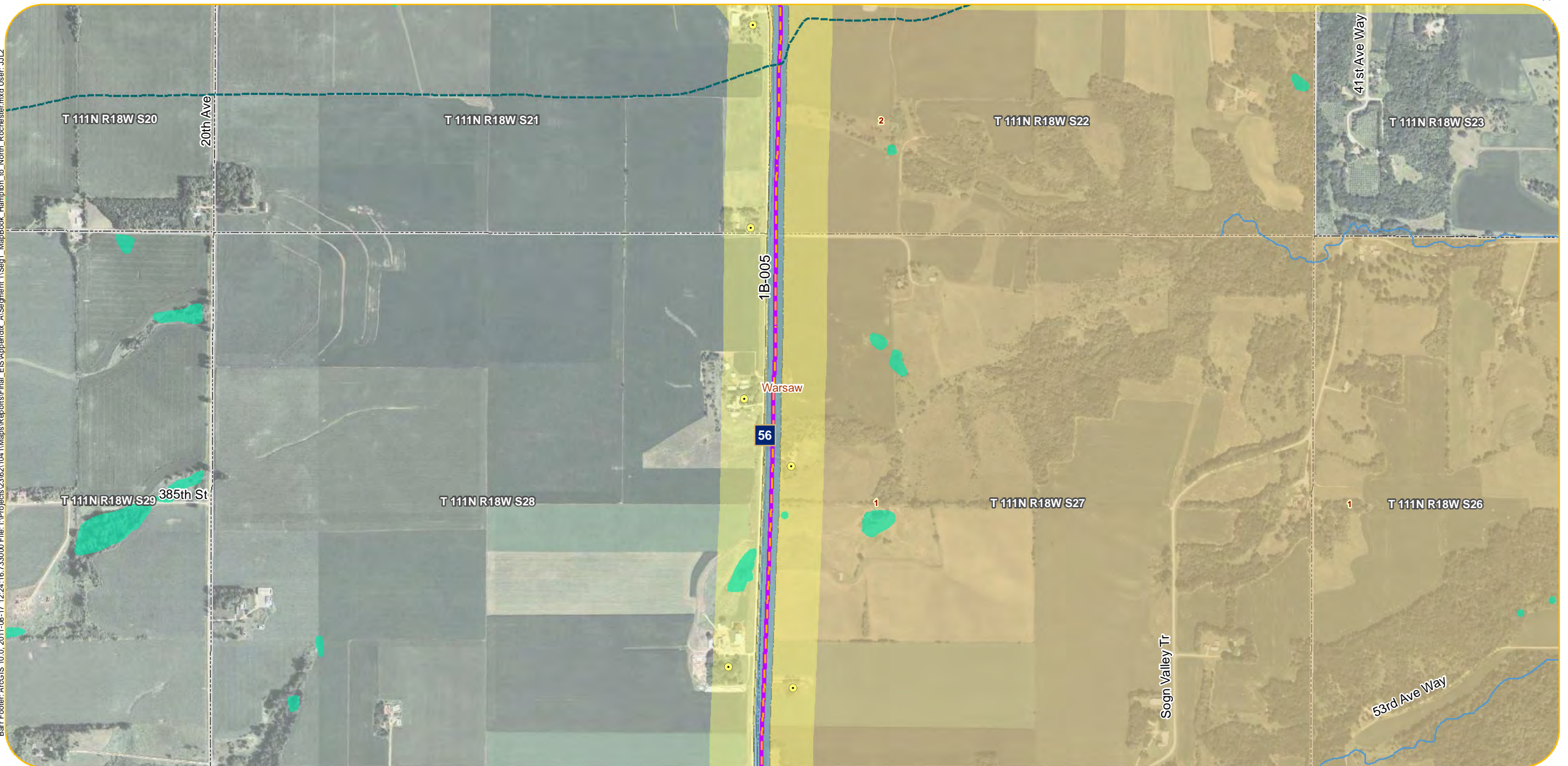


- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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

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

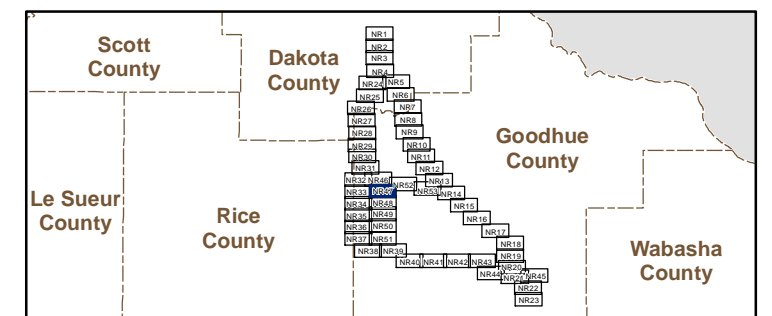


Barr Footer: ArcGIS 10.0, 2011_08-17 12:24:16.733000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix A\Segment 1\Seg1_MapBook_Hampton_to_North_Rochester.mxd User: JLL2

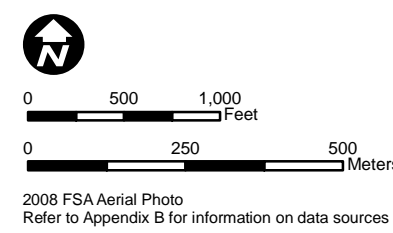
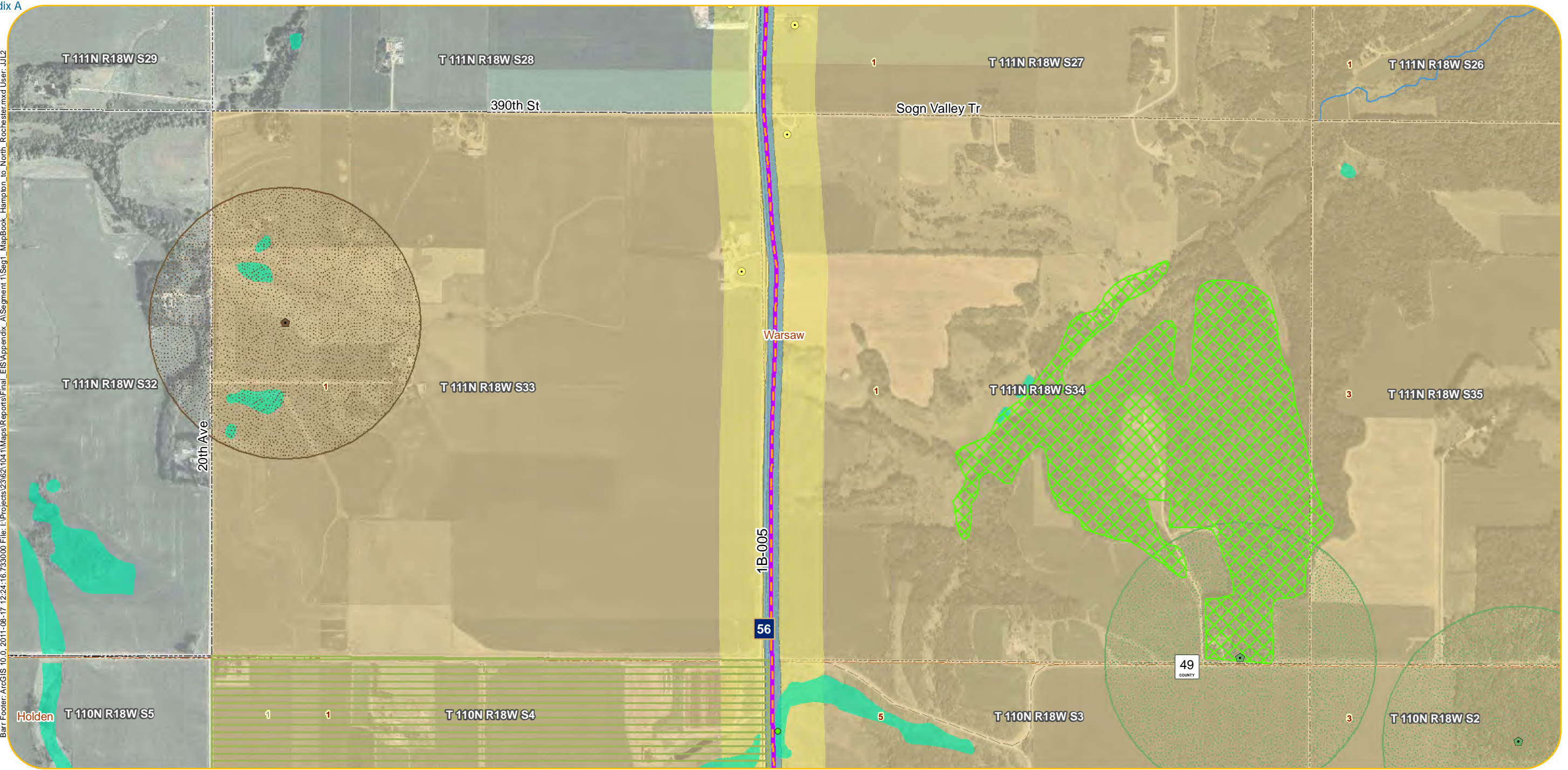


- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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

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

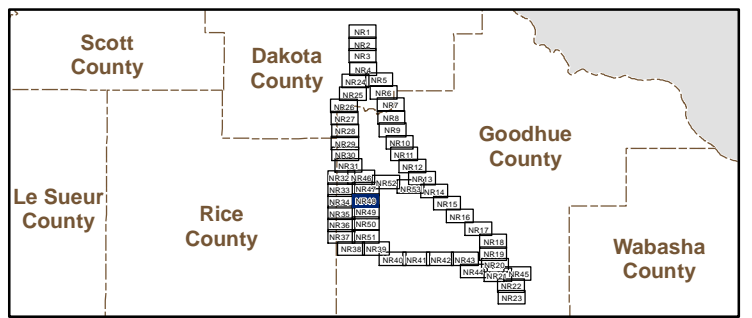


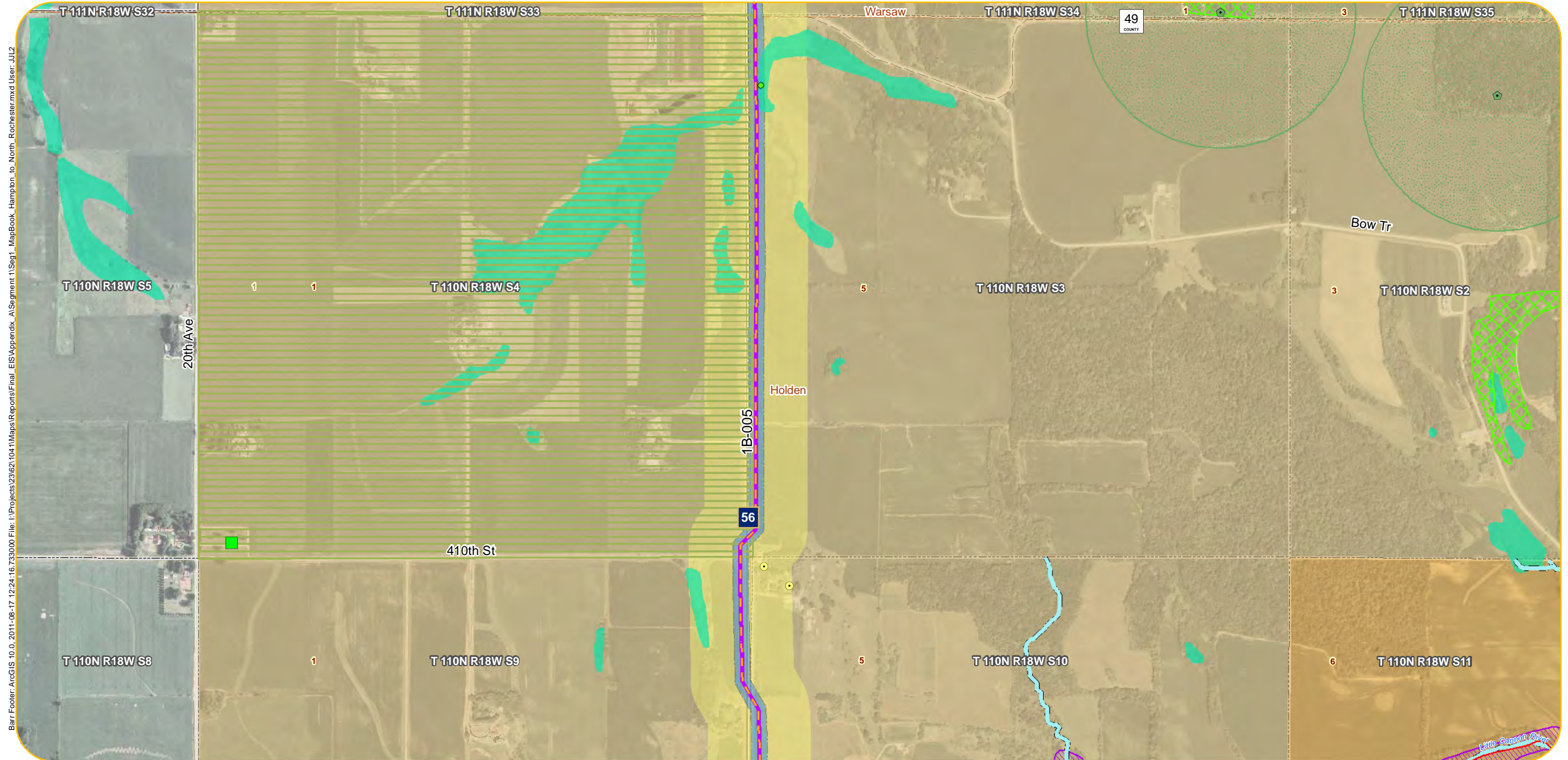
Barr Footer: ArcGIS 10.0_2011_08-17 12:24:16.733000 File: I:\Projects\2362\104\11\Map\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JLL2



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

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

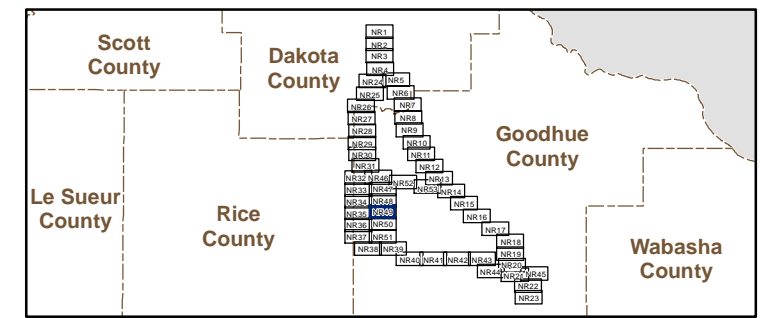




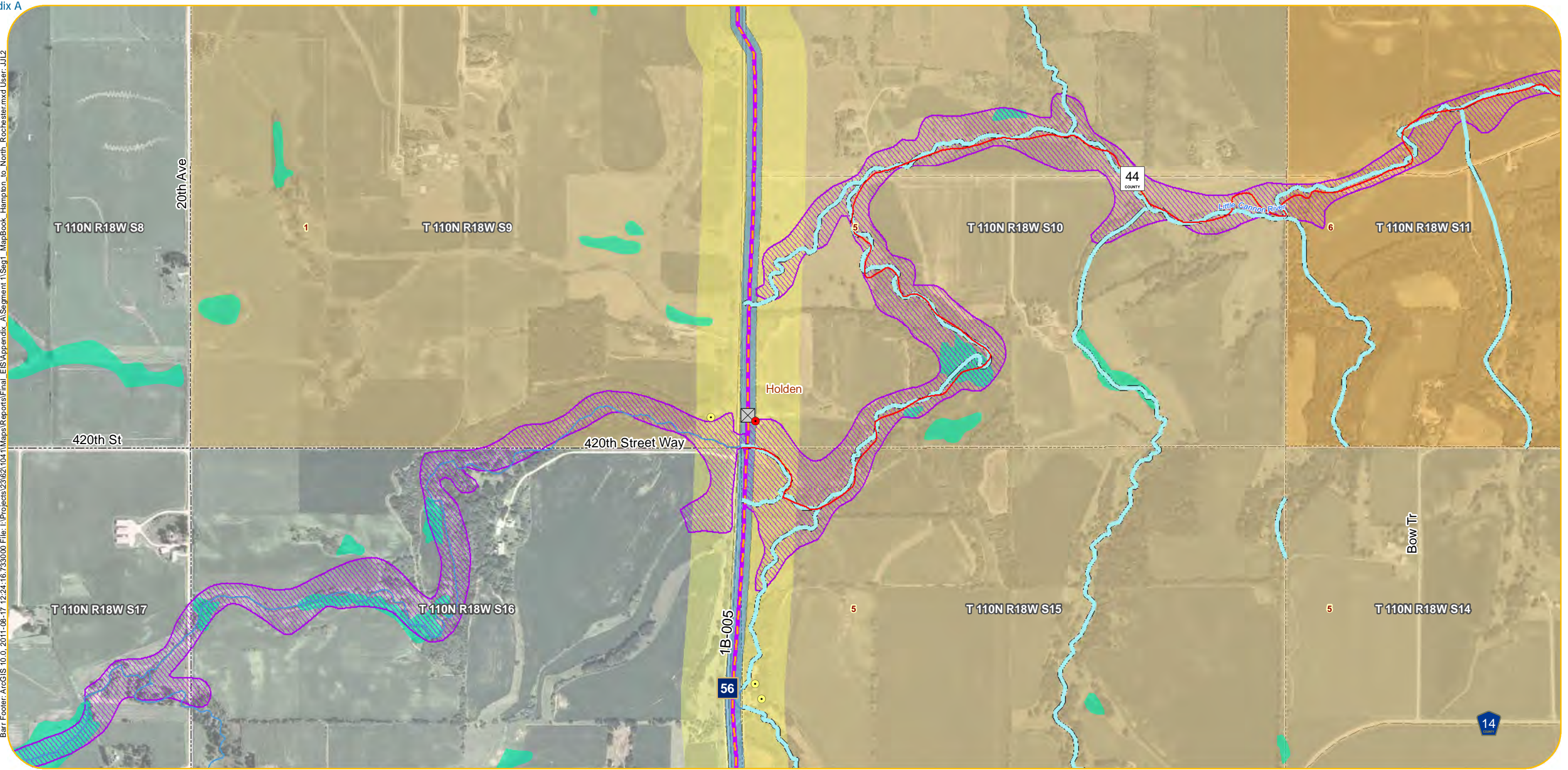
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16:733000 File: I:\Projects\2362\104\11\Maps\Reports\Final_EIS\Appendix A\Segment 1\Seg1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2

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

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

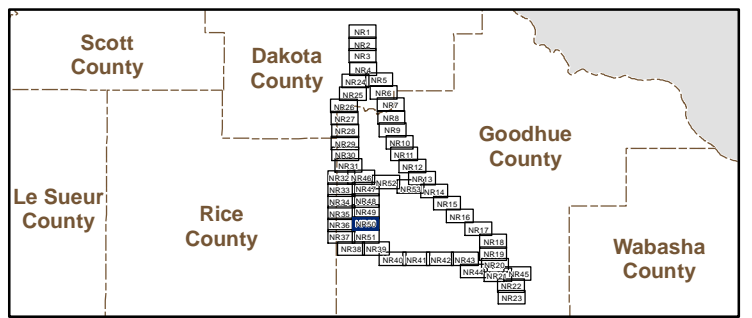


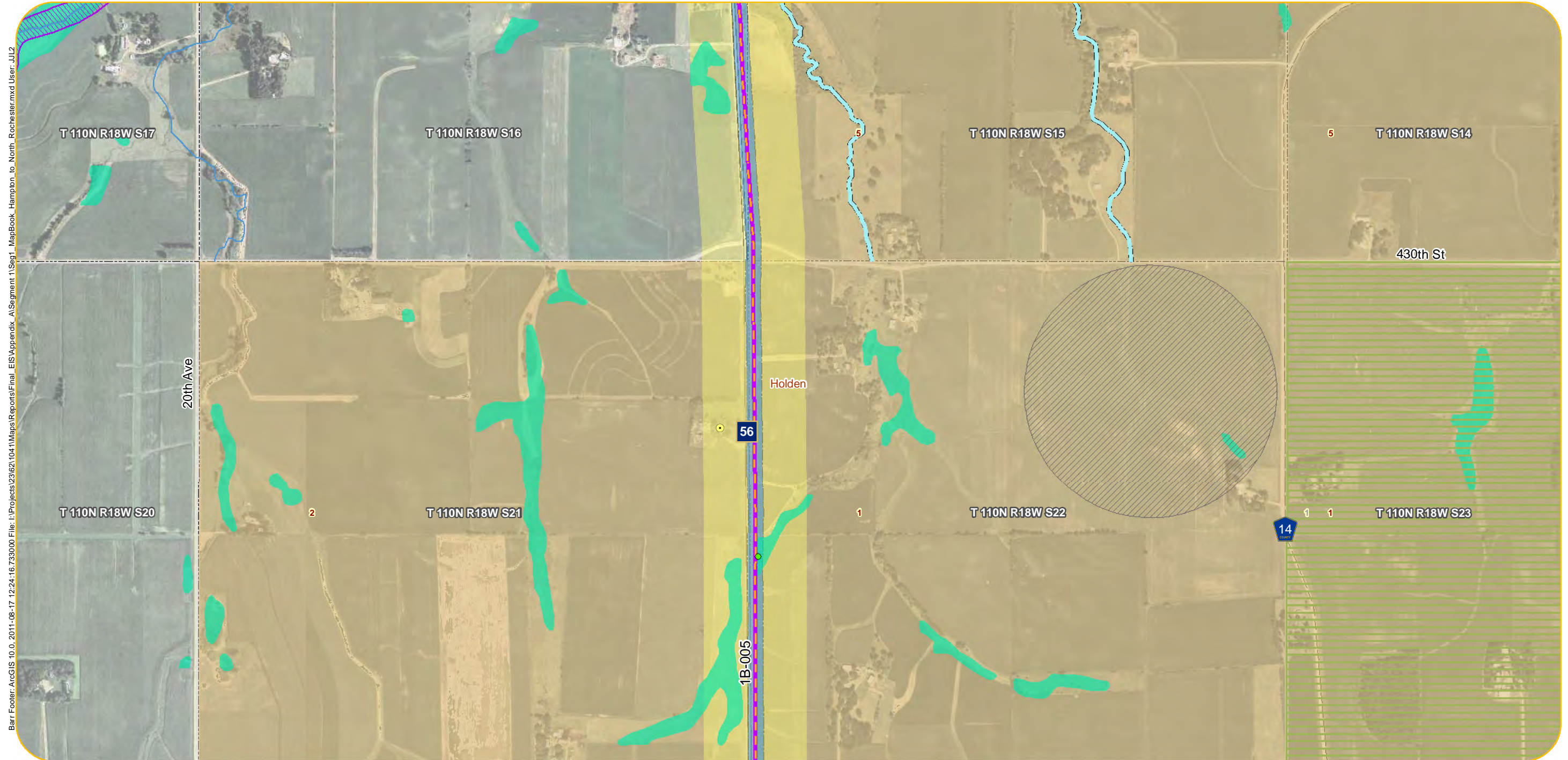
Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\23621041\MapReports\Final_EIS\Appendix_A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2



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

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



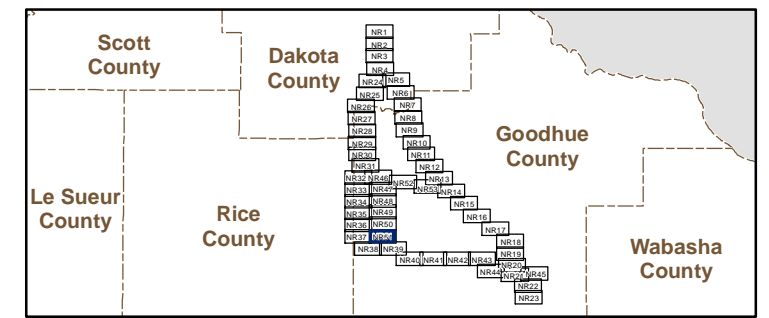


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix_A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2

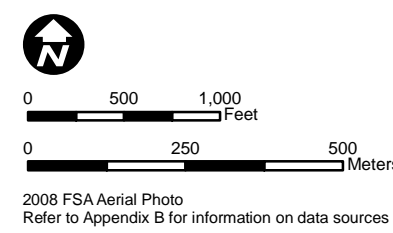
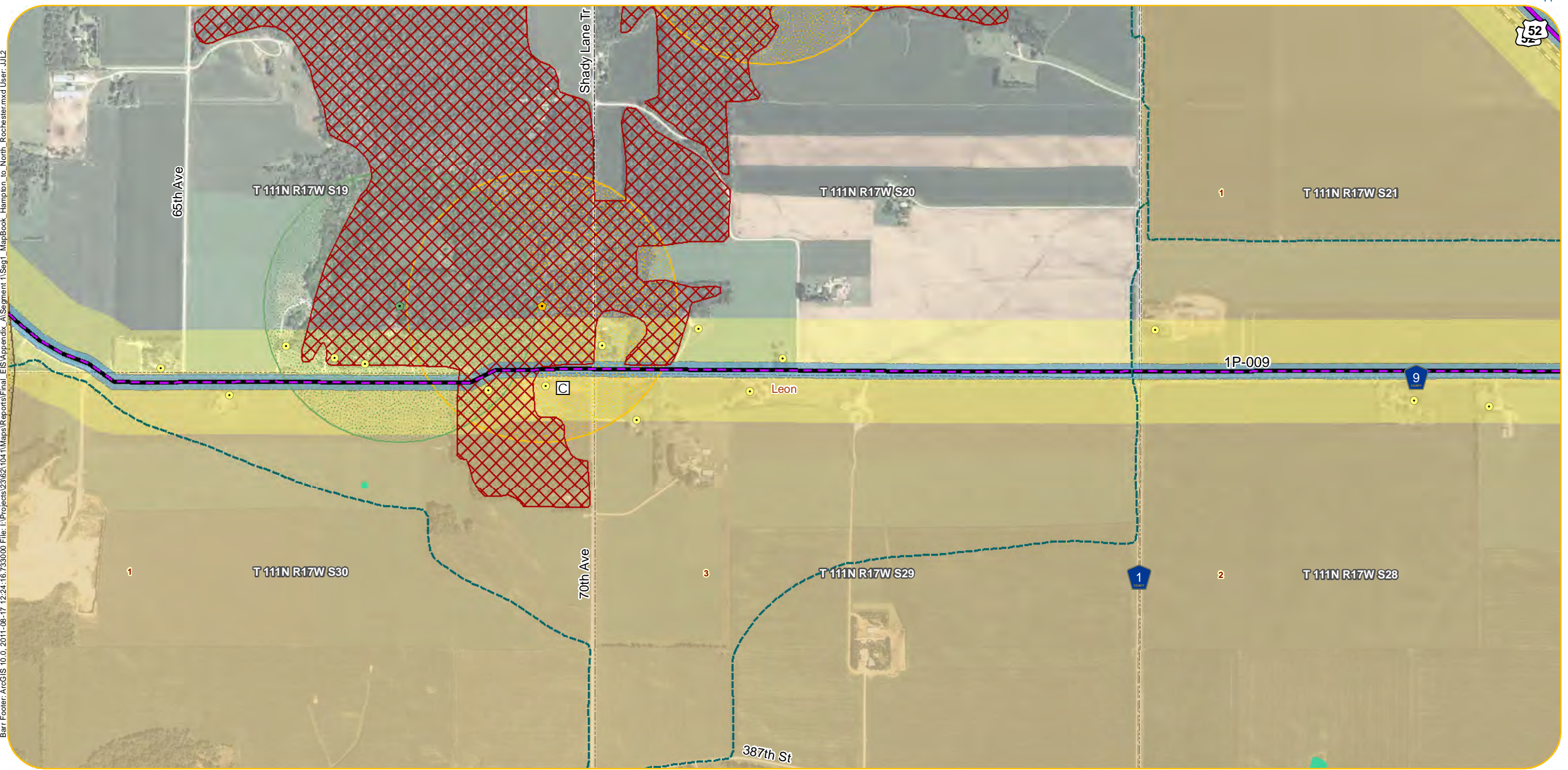
- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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



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

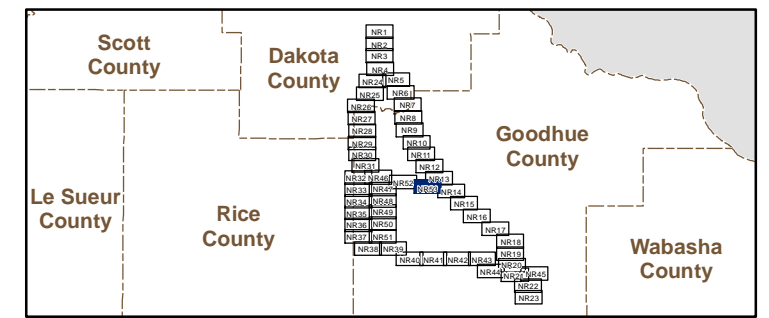


Barr Footer: ArcGIS 10.0, 2011-08-17 12:24:16.733000 File: I:\Projects\23621041\Mapa\Reports\Final_EIS\Appendix A\Segment 1\Sag1_MapBook_Hampton_to_North_Rochester.mxd User: JJJ2

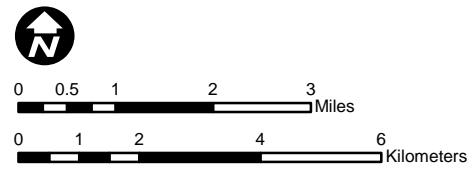
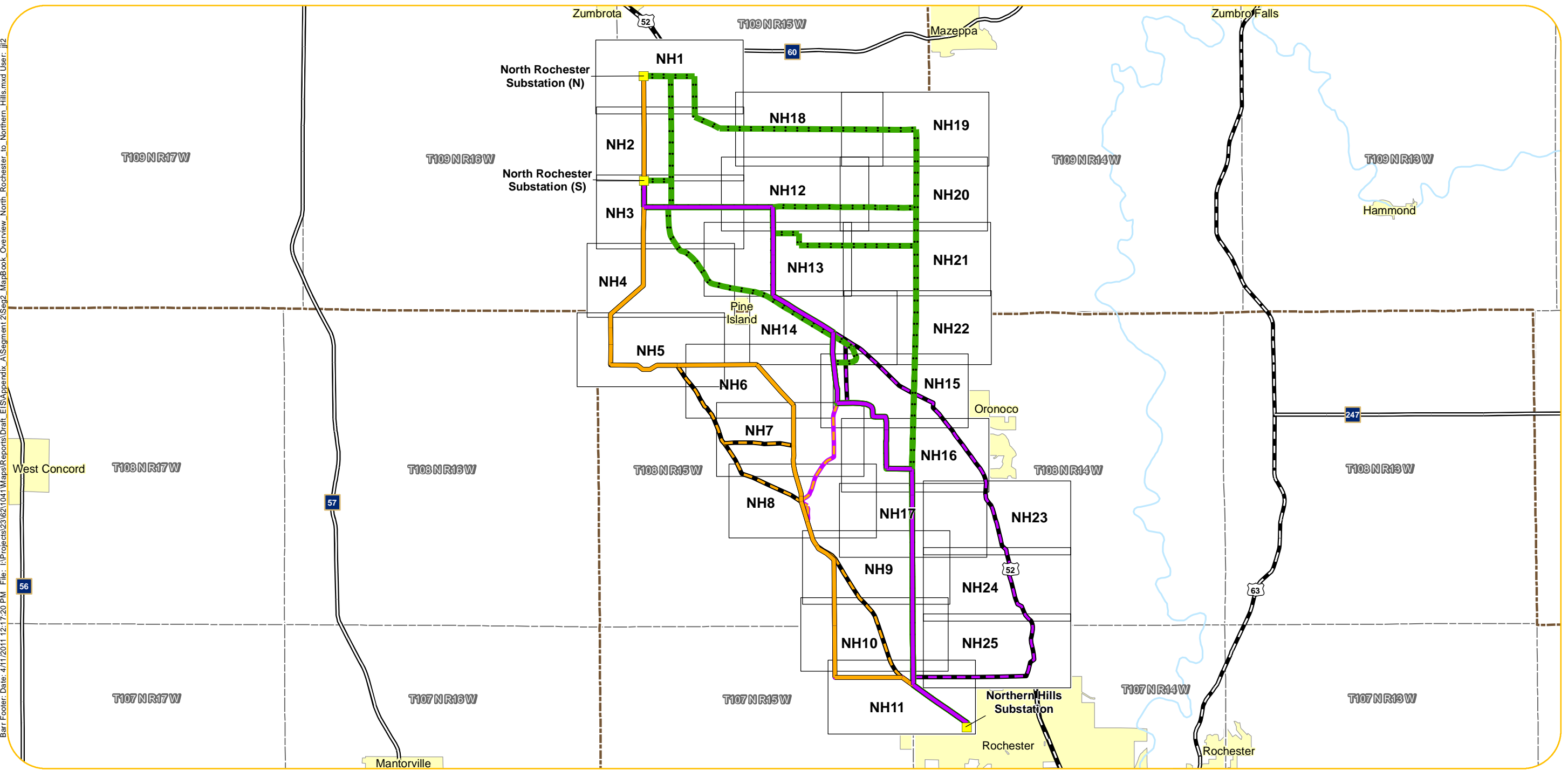


- | | | | | |
|-------------------------------|--|--------------------------------|---|---|
| Original Alignments | Project Substations | Botanical | State Park | Farmland and Natural Areas Program (FNAP) |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | Wetland Area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

Appendix A - Sheet NR53
Detail Map
Segment 1,
Hampton Substation to North Rochester Substation

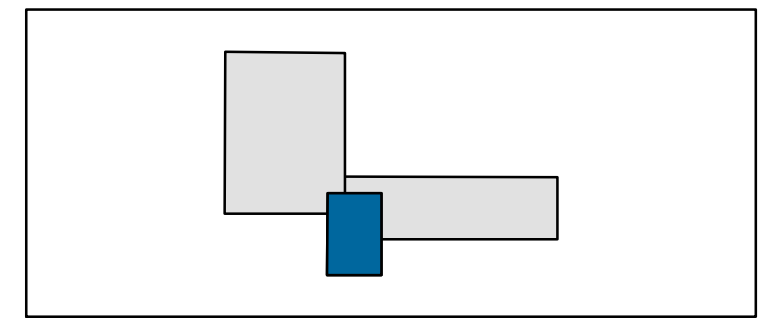


Barr Footer: Date: 4/11/2011 12:17:20 PM File: I:\Projects\23\621041\Map\Reports\Draft_EIS\Appendix A\Segment 2\Seg2_MapBook_Overview_North_Rochester_to_Northern_Hills.mxd User: jlj



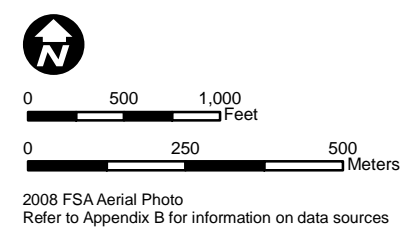
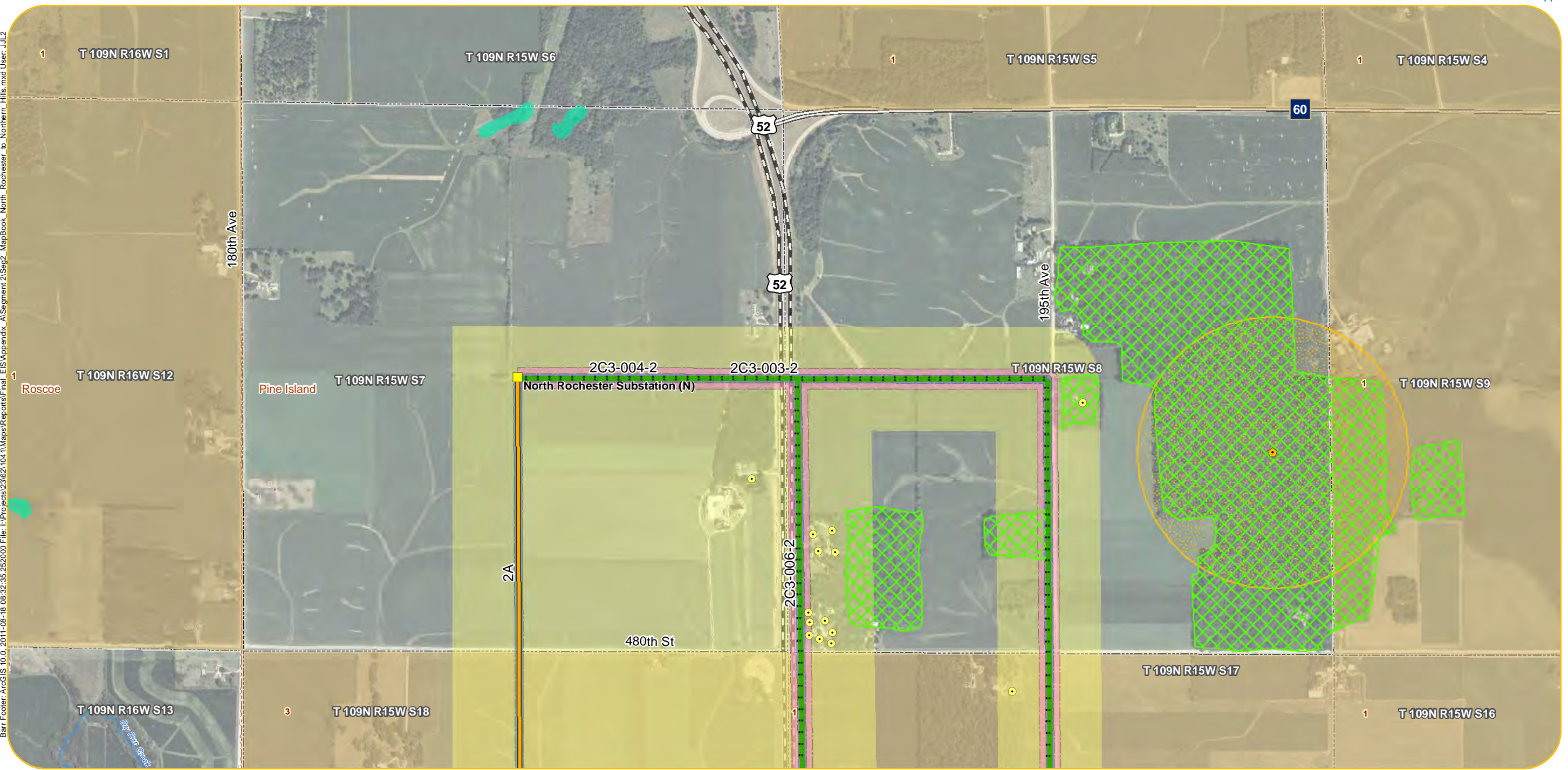
- Project Substations
- NH1 Map Index
- County Boundaries
- Original Alignments**
- P Route
- A Route
- Additional Alternative Routes**
- - - Variation on P Route
- - - Variation on A Route
- - - Variation on Both
- - - Parallel Alignment

Appendix A - Overview Map
Segment 2,
North Rochester Substation to Northern Hills Substation



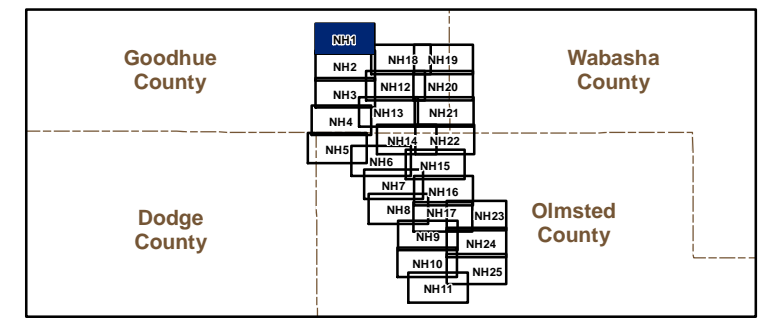
Refer to Appendix B for information on data sources

Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\2362\104\11\Map\Reports\Final_EIS\Appendix A\Segment 2\Seg2_MapBook_North_Rochester_b_Northern_Hills.mxd User: JUL2

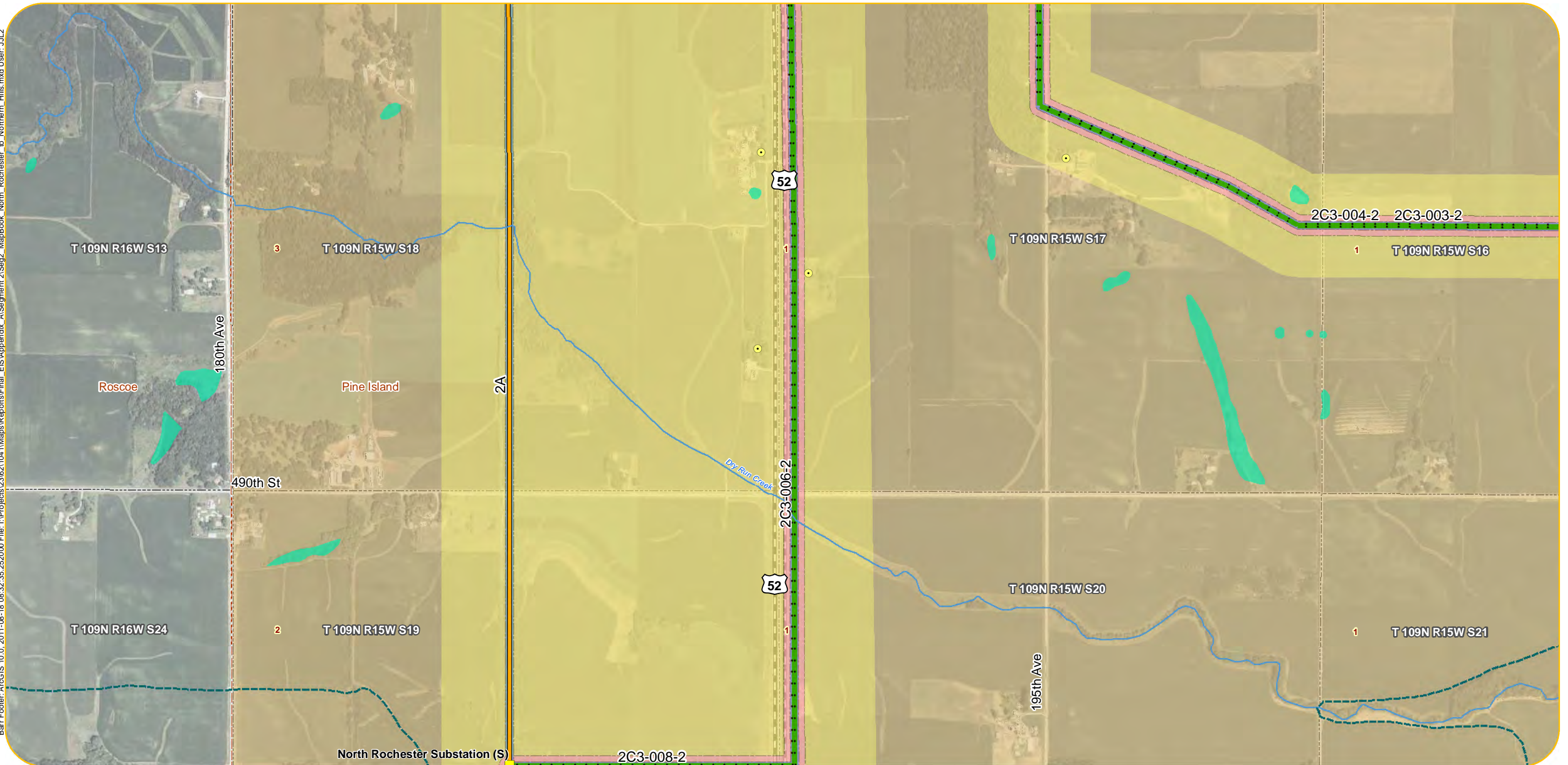


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 |
| 80-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 | | |

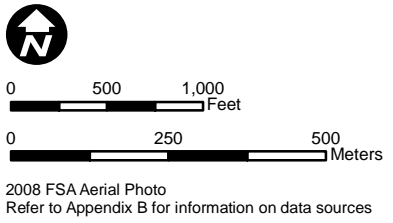
Appendix A - Sheet NH1
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation



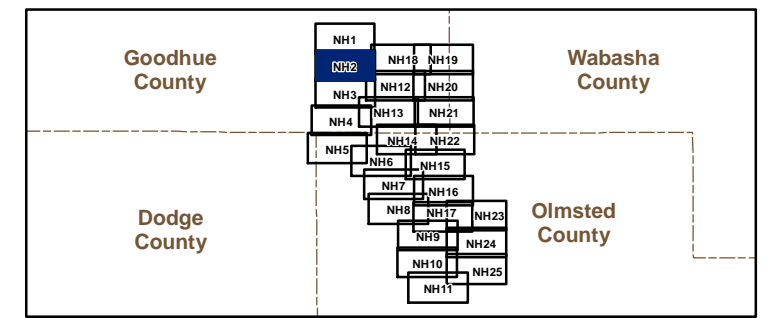
Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\2362\1041\Mapa\Reports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JUL2



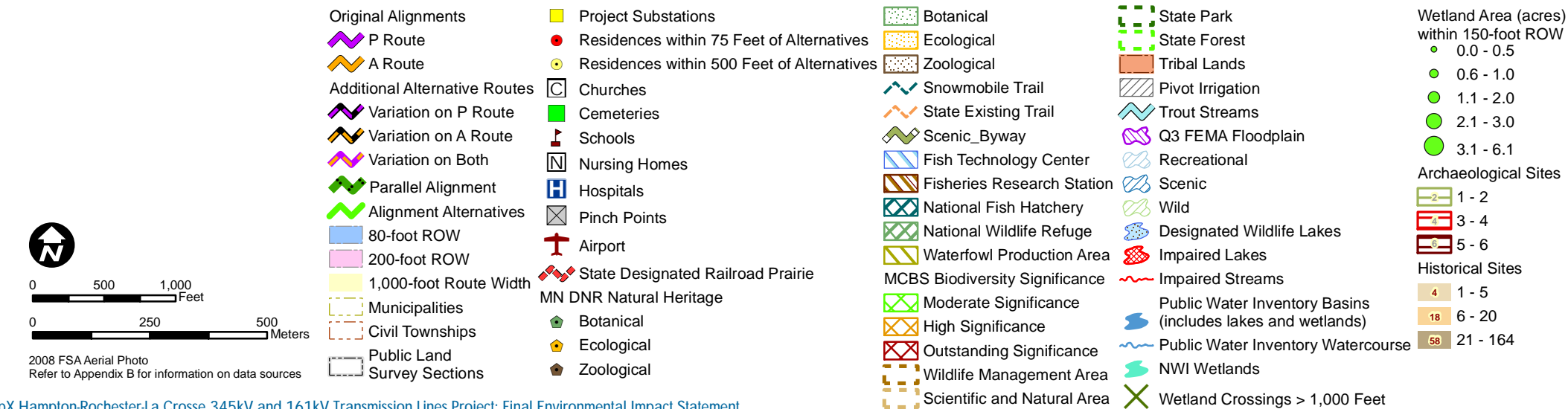
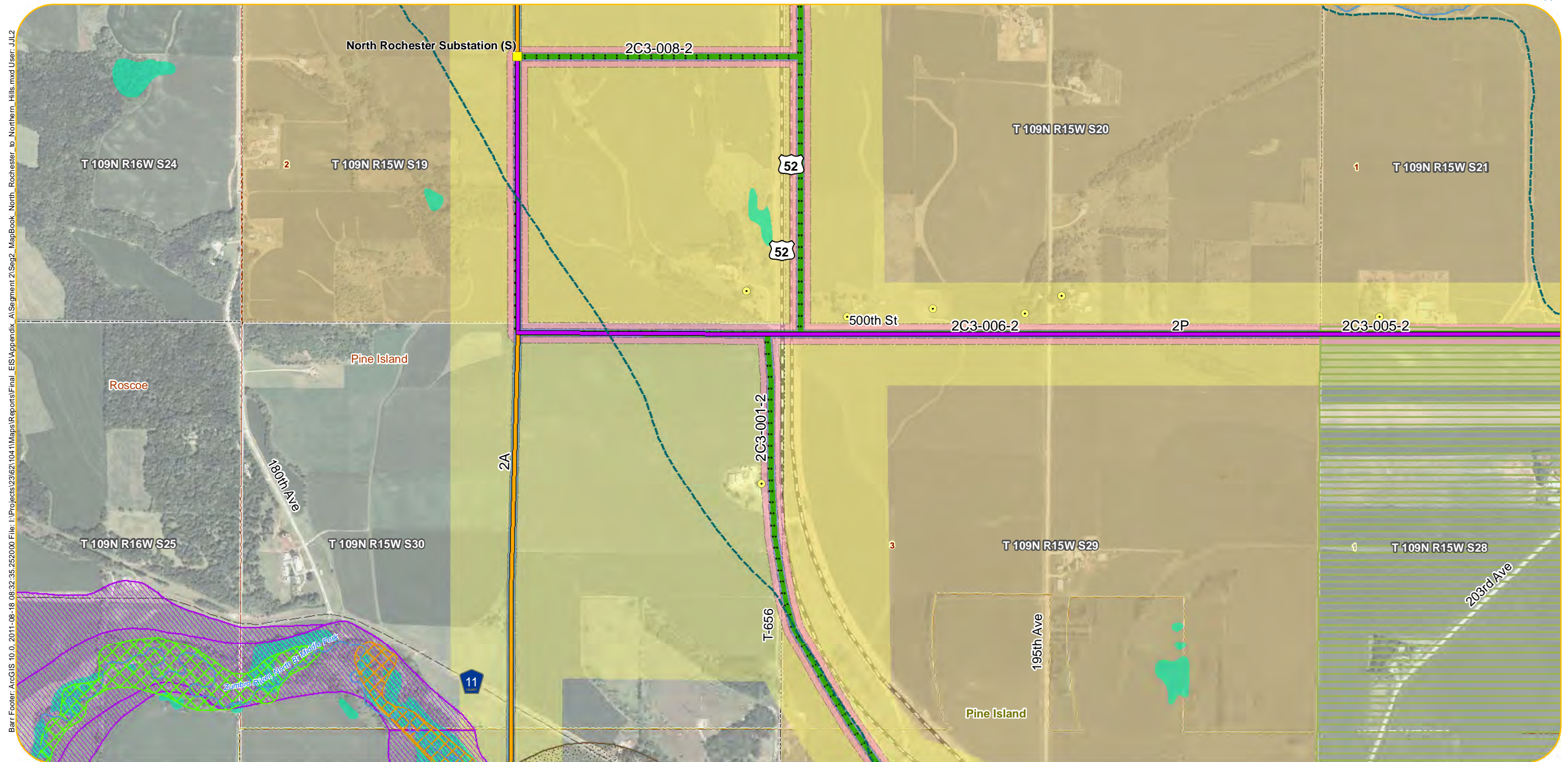
- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 |
| 80-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 | | |



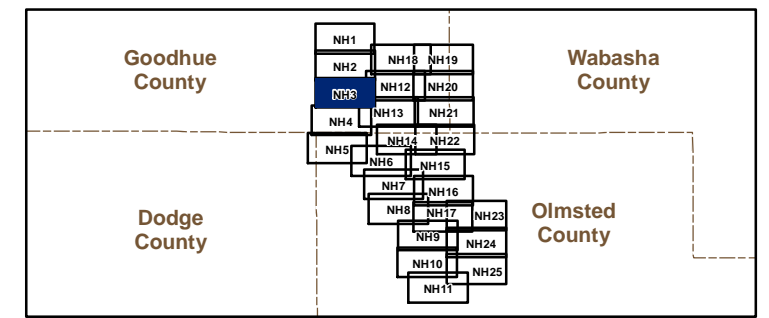
Appendix A - Sheet NH2
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation



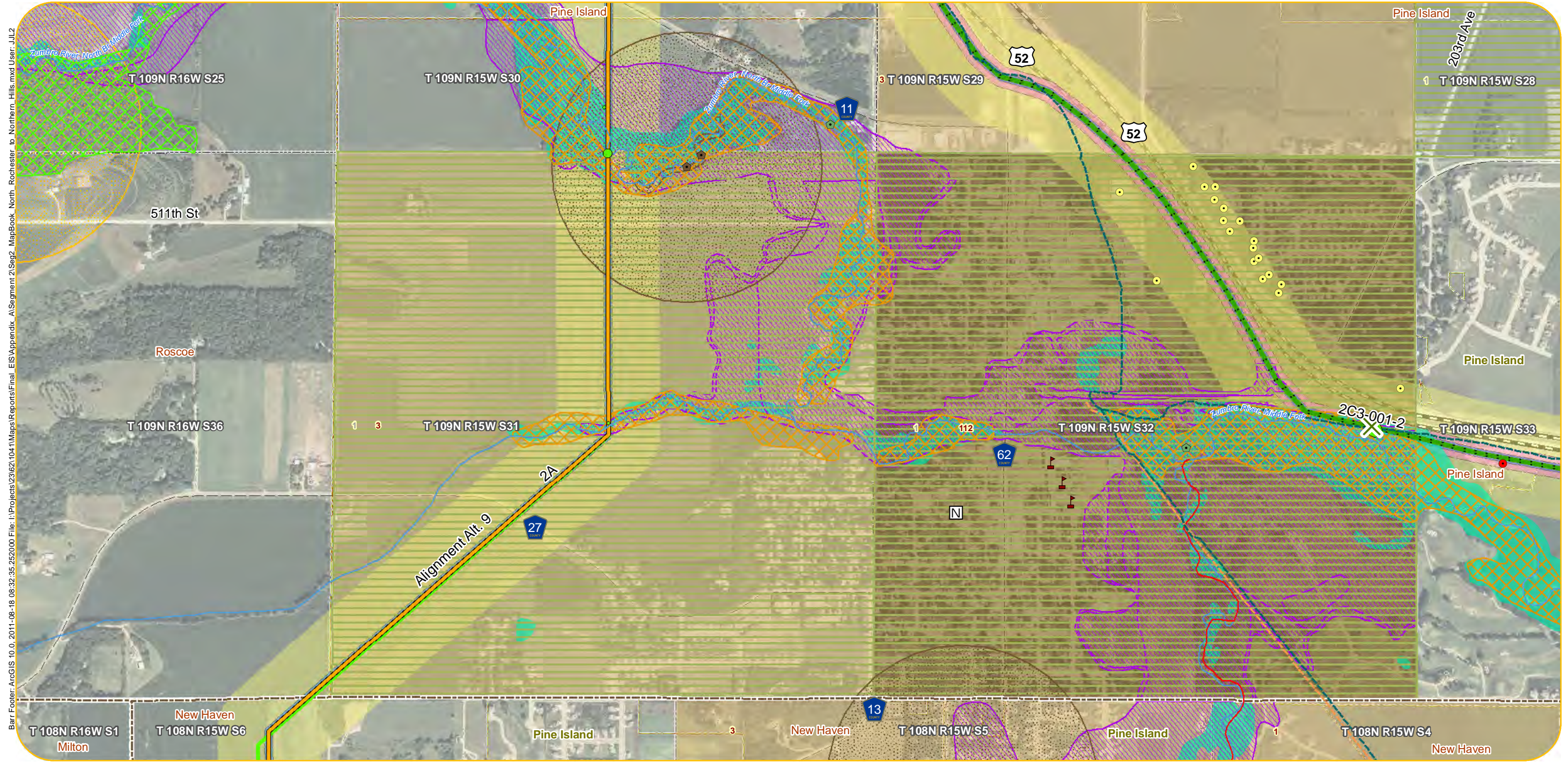
Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\2362\1041\Map\Reports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JULZ



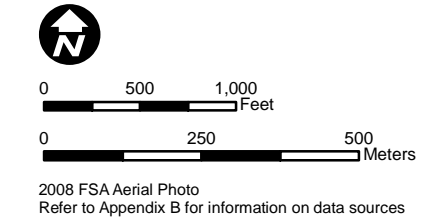
Appendix A - Sheet NH3
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation



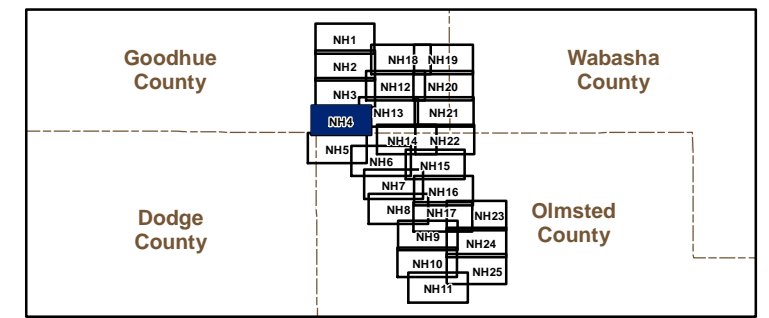
Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JUL2



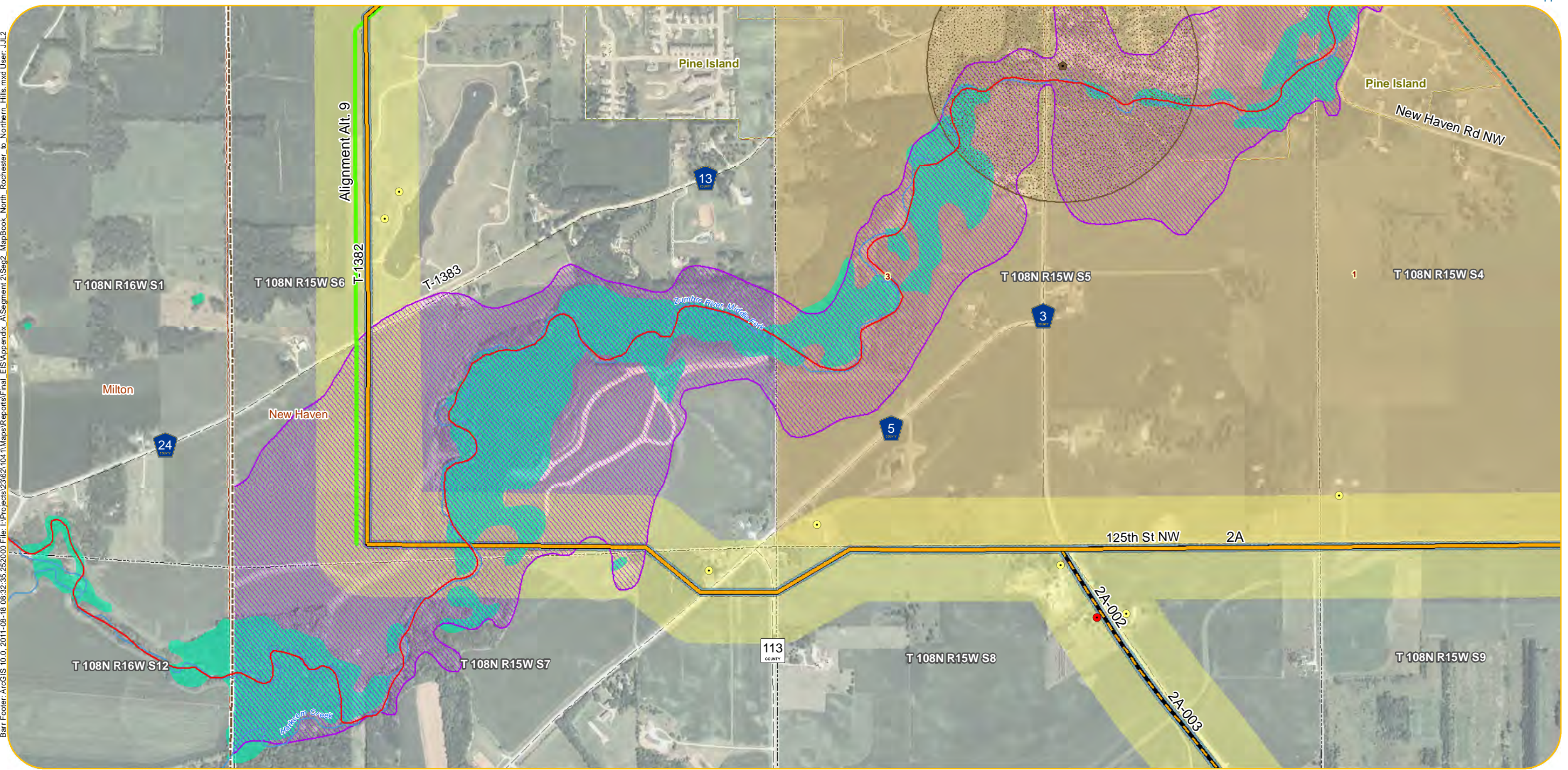
- | | | | | |
|---|---|---|--|---|
| <ul style="list-style-type: none"> Original Alignments P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both Parallel Alignment Alignment Alternatives 80-foot ROW 200-foot ROW 1,000-foot Route Width Municipalities 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 NH4
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation

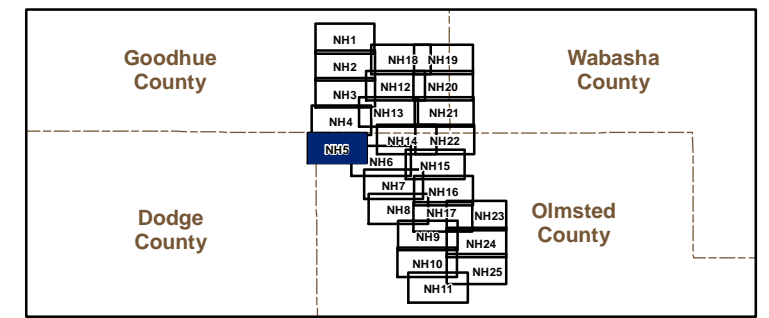
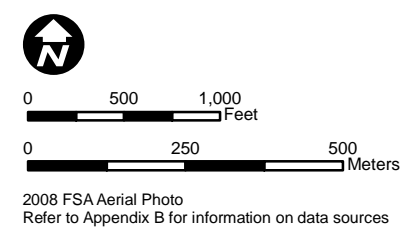


Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\2362\1041\MapReports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JUL2

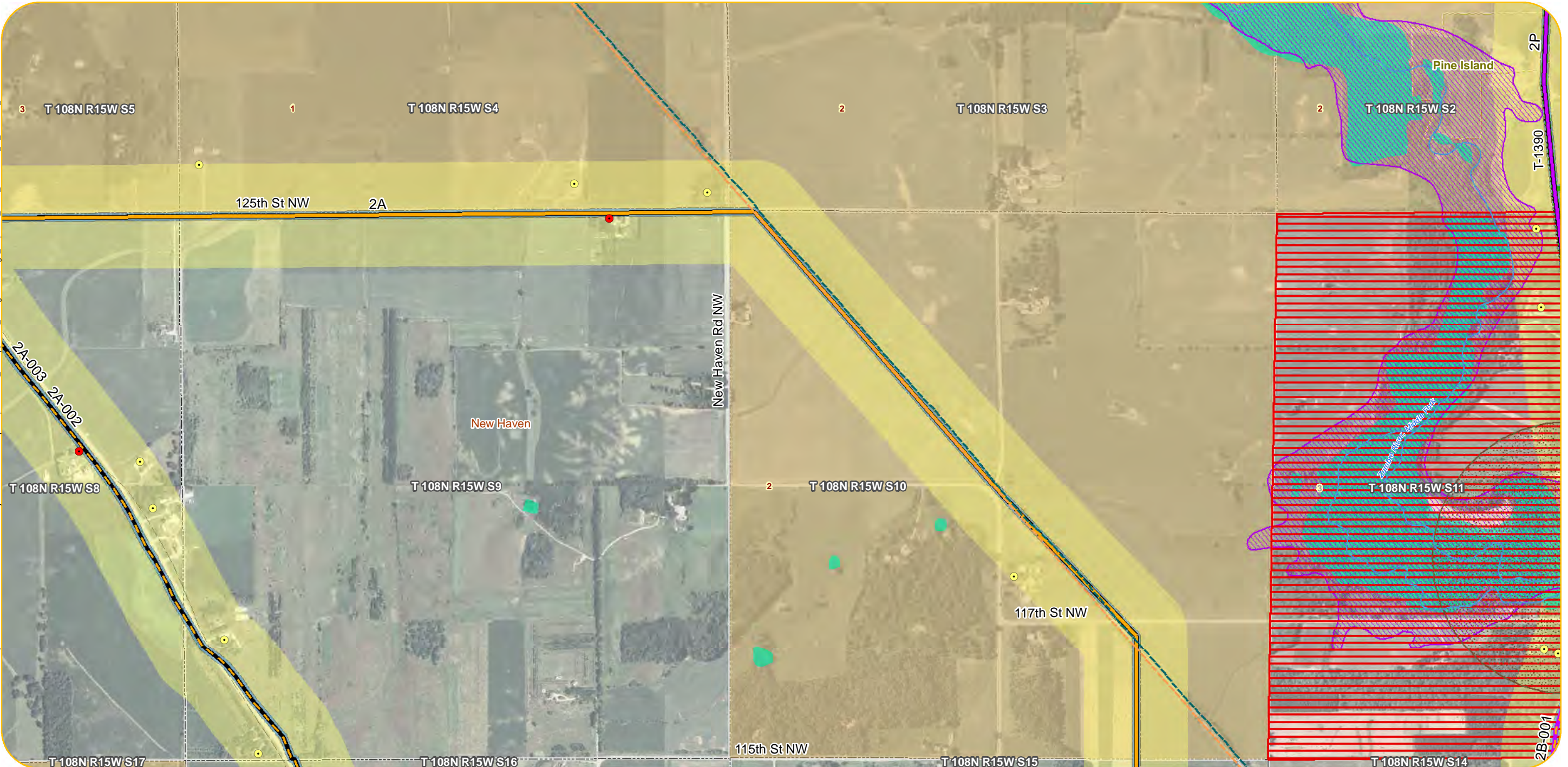


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 |
| 80-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 | | |

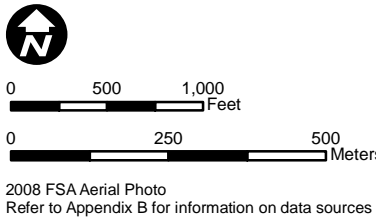
Appendix A - Sheet NH5
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation



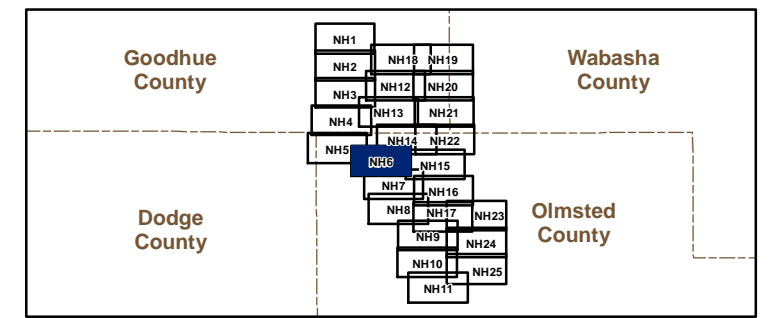
Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JUL2



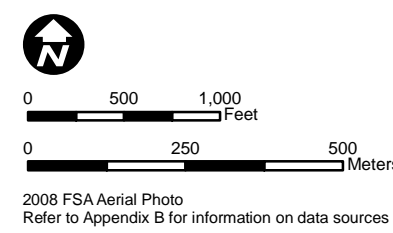
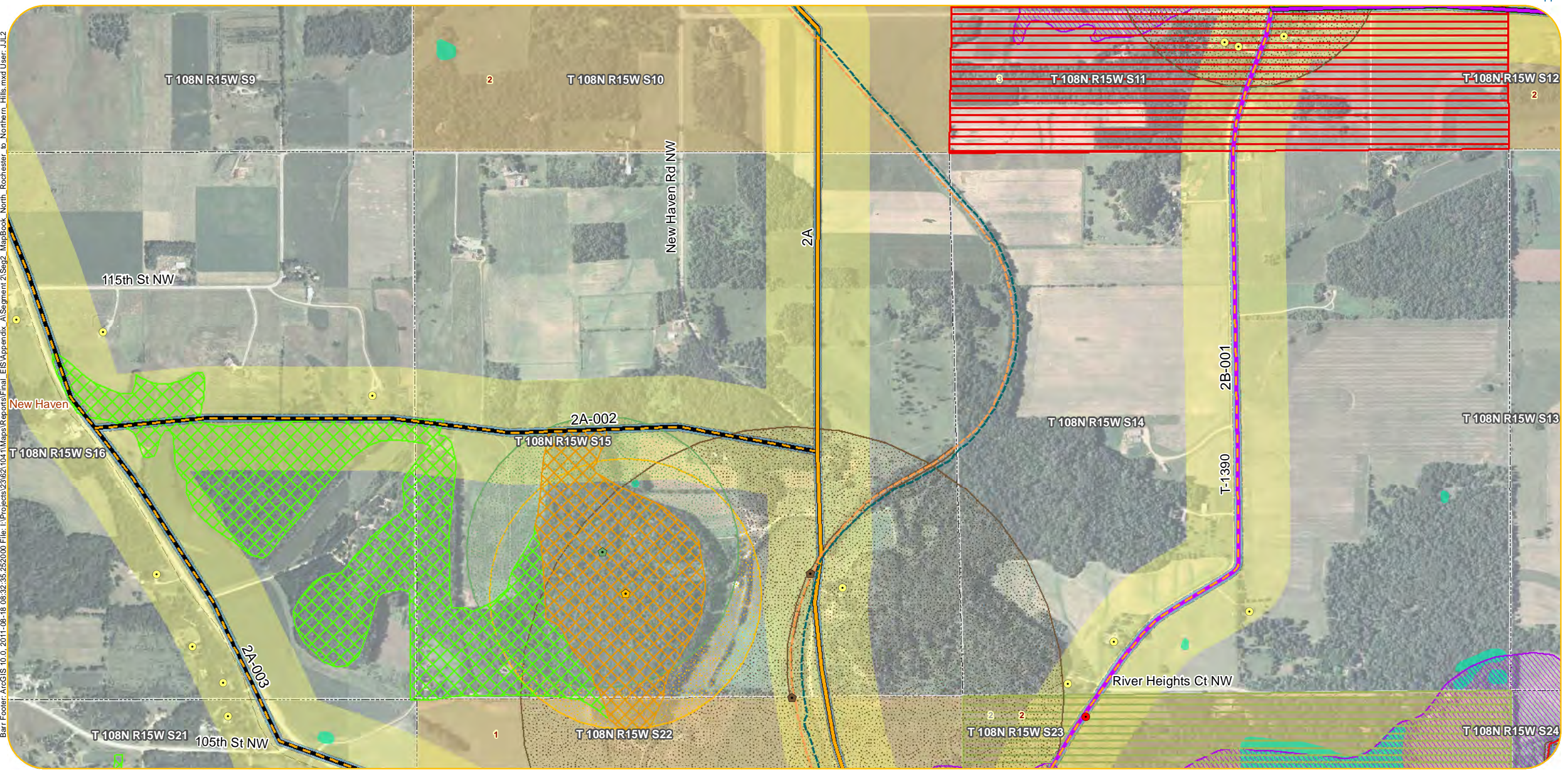
- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 |
| 80-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 NH6
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation

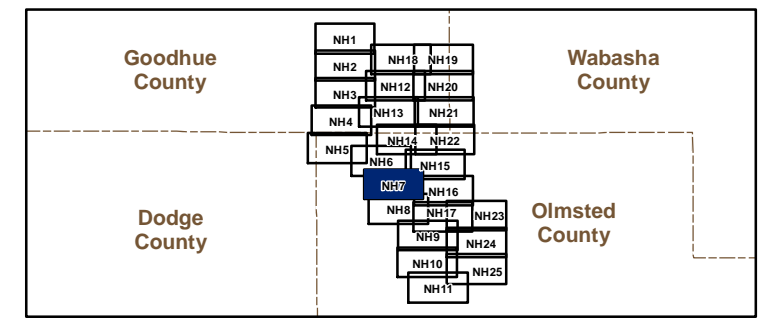


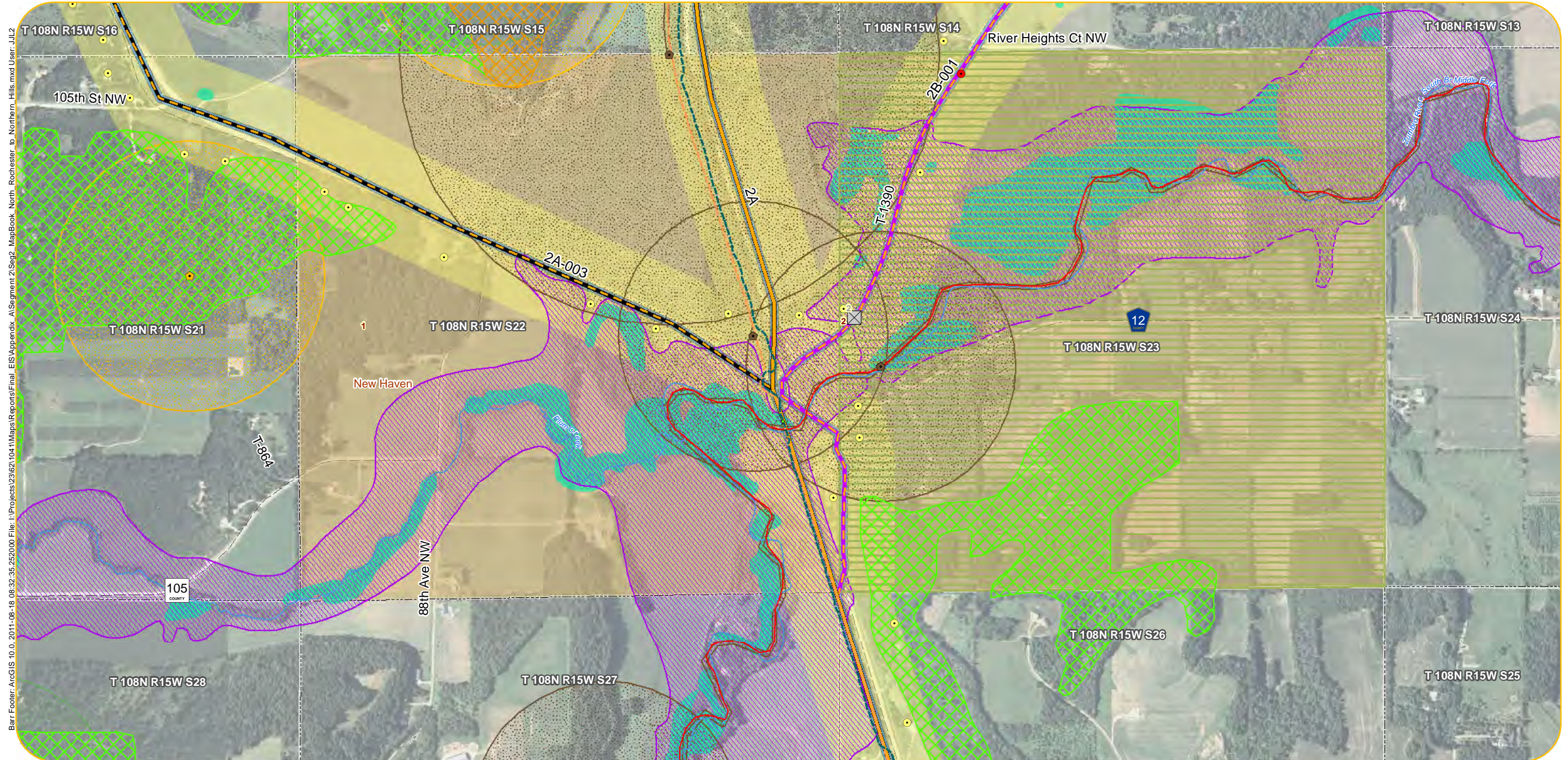
Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\23621041\Mapa\Reports\Final_EIS\Appendix_A\Segment_2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JUL2



- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| 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 |
| 80-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 | | |

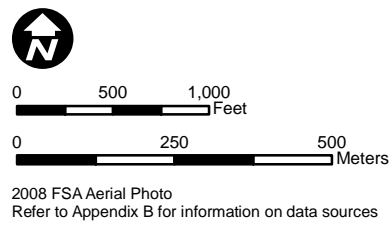
Appendix A - Sheet NH7
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation



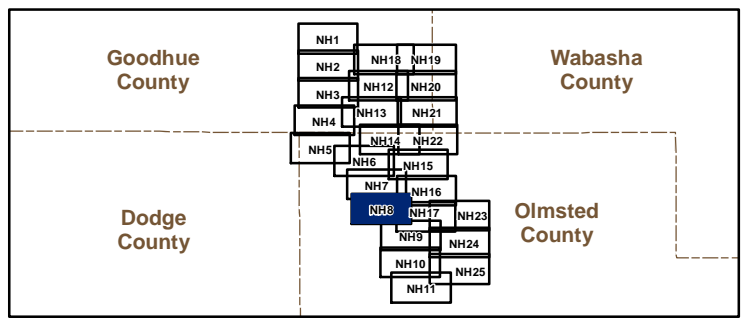


Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\2362\1041\Map\Reports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JLL2

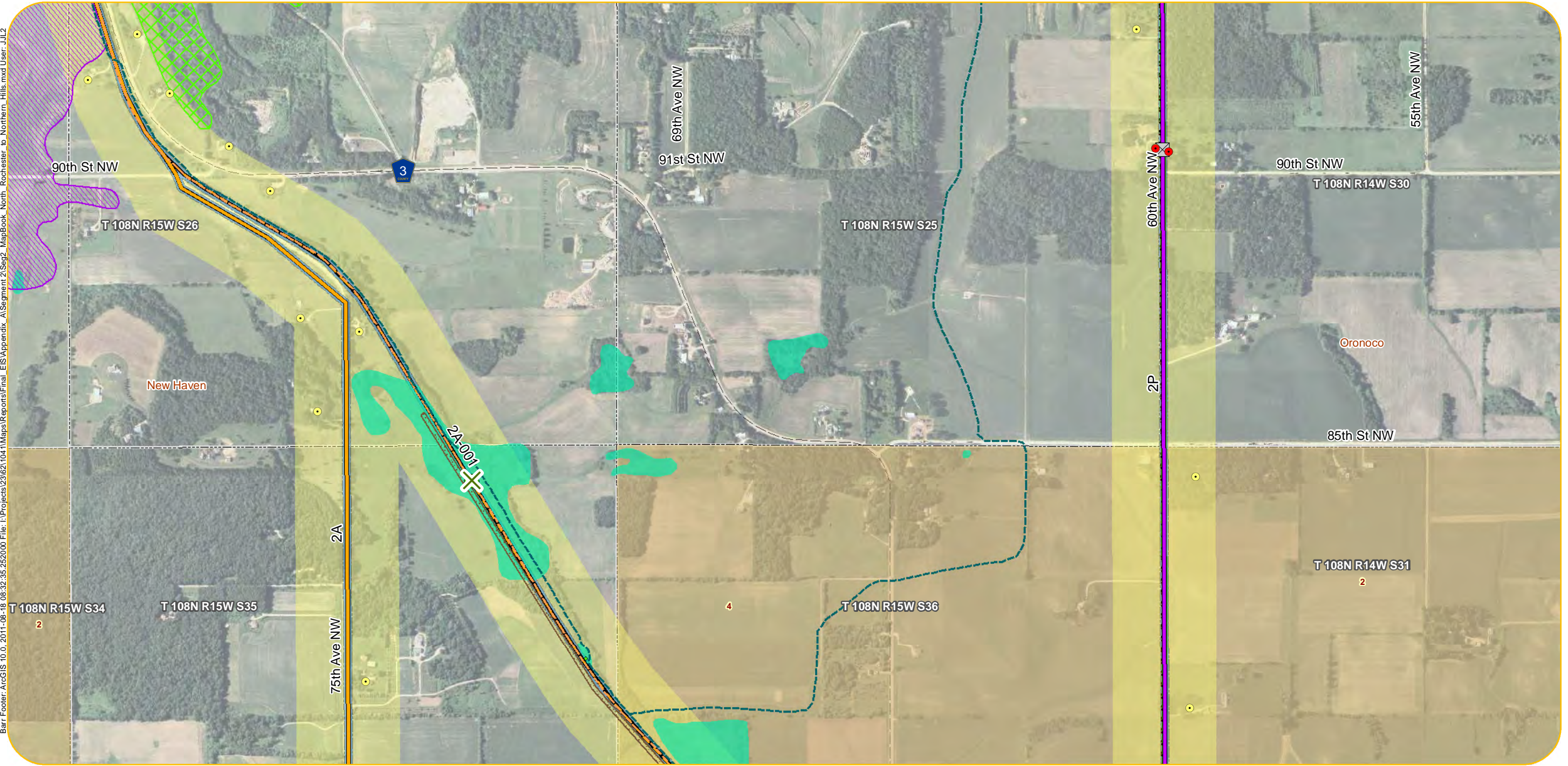
- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 |
| 80-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 NH8
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation

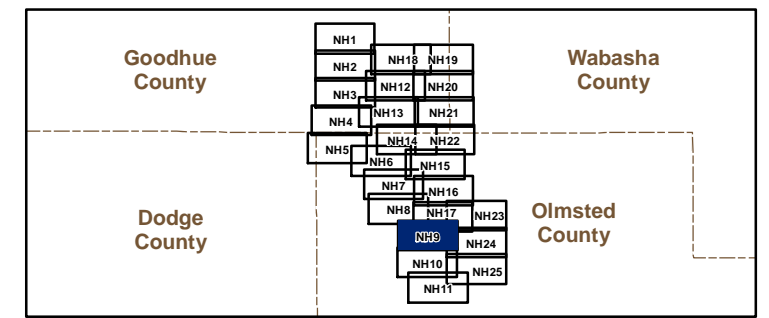
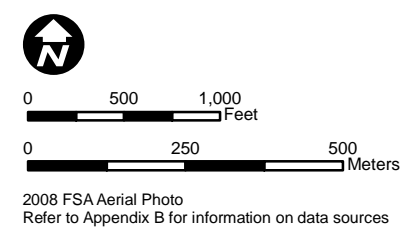


Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JUL2

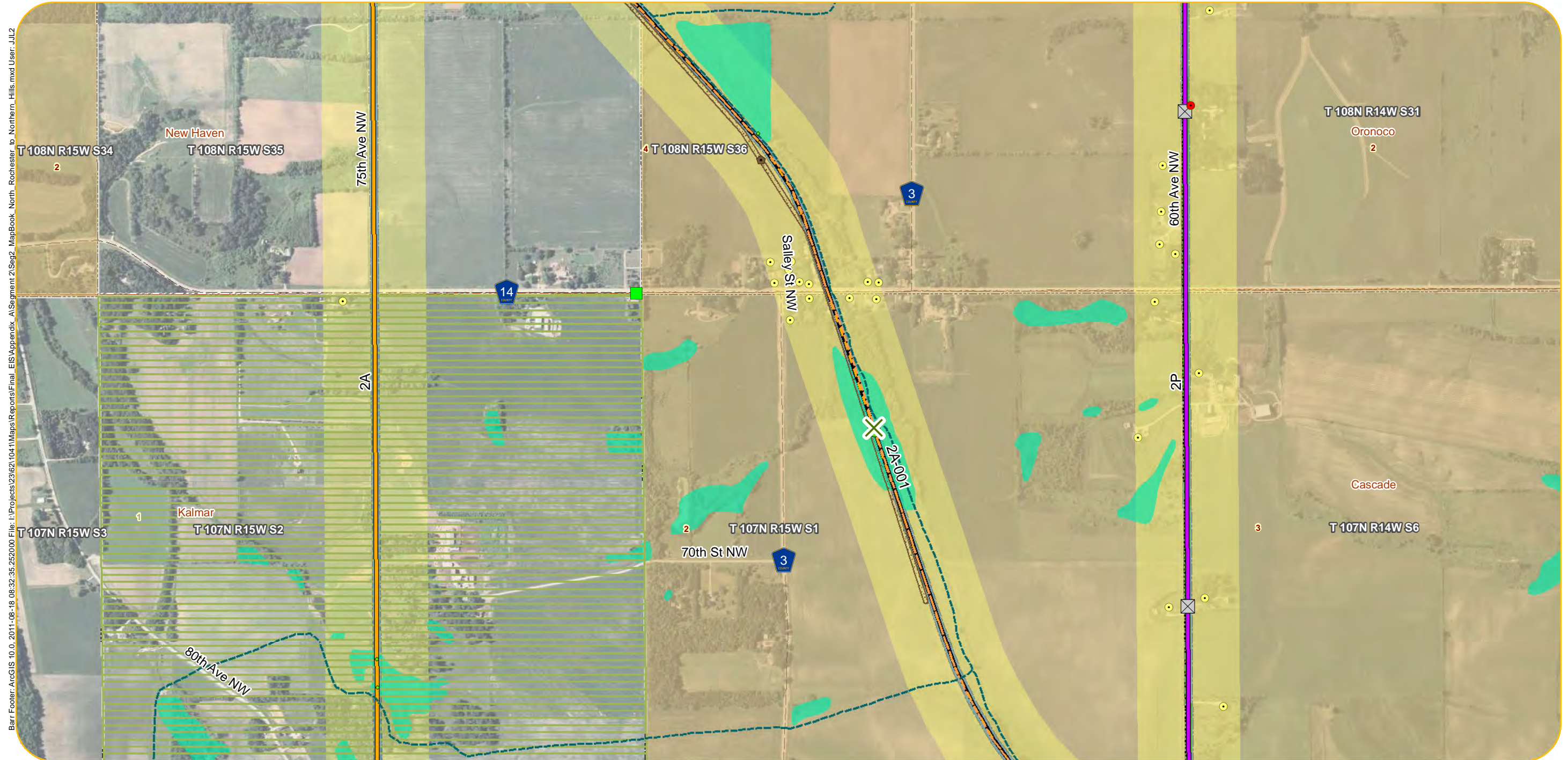


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 |
| 80-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 | | |

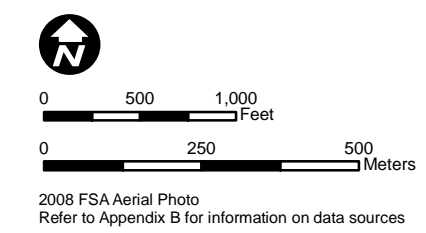
Appendix A - Sheet NH9
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation



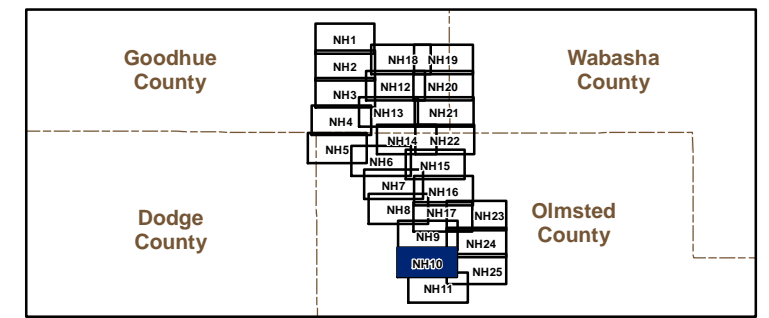
Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JUL2



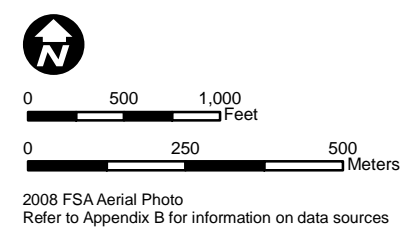
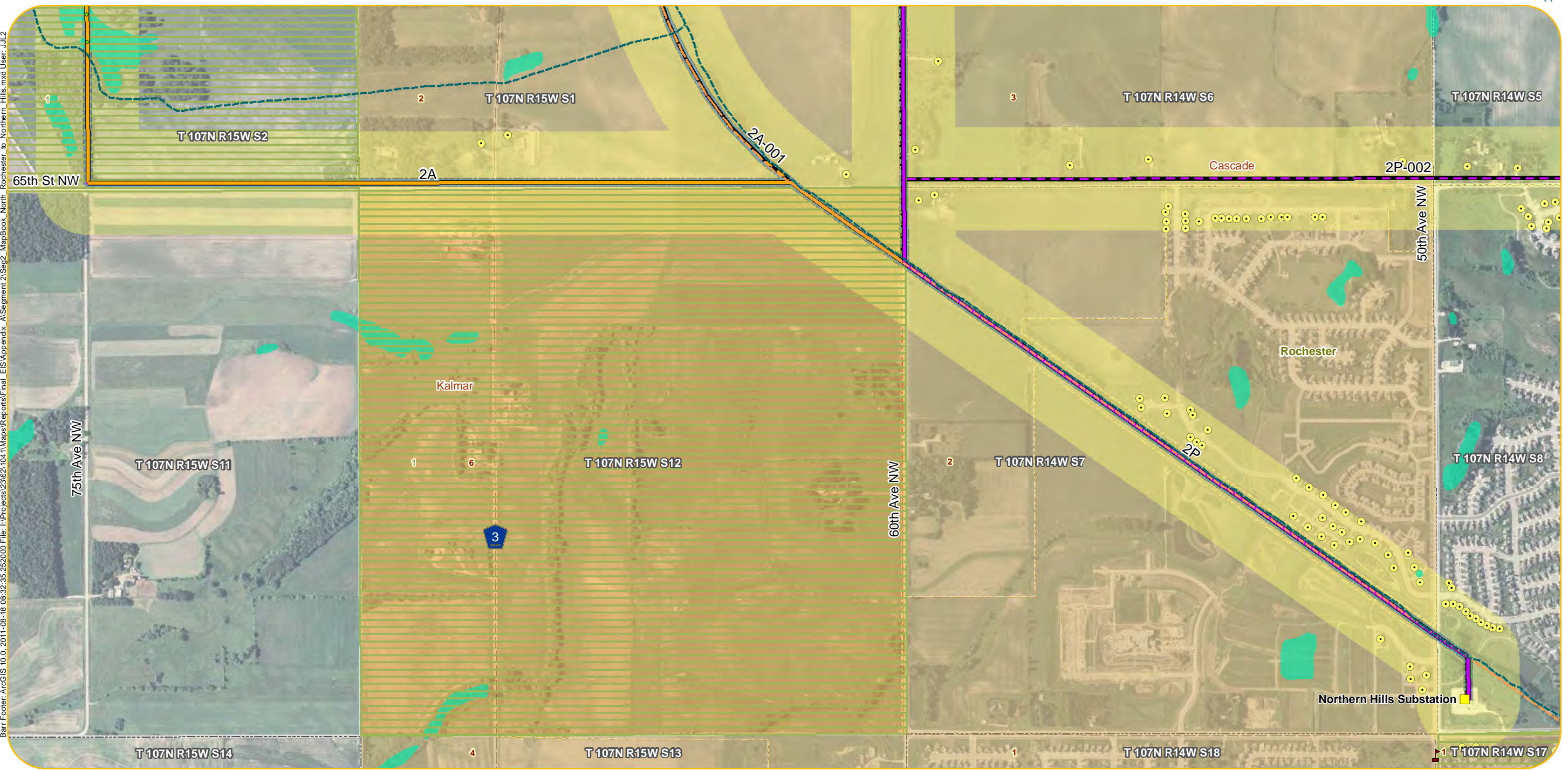
- | | | | | |
|--|---|--|--|---|
| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route <p>Additional Alternative Routes</p> <ul style="list-style-type: none"> Variation on P Route Variation on A Route Variation on Both Parallel Alignment Alignment Alternatives 80-foot ROW 200-foot 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 <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 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"> 4 1 - 5 18 6 - 20 58 21 - 164 |
|--|---|--|--|---|



Appendix A - Sheet NH10
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation

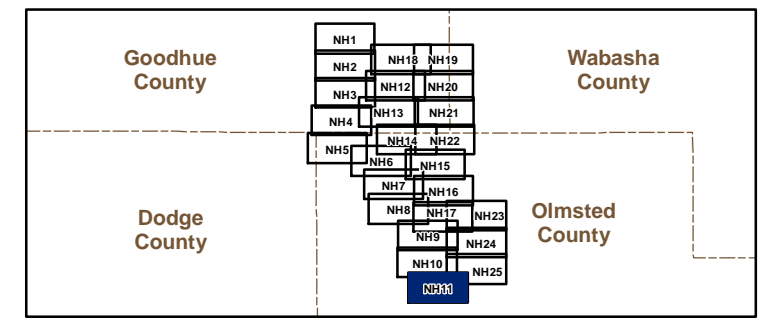


Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix_A\Segment_2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JLL2

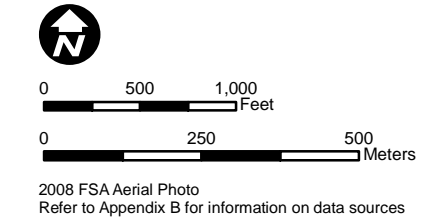
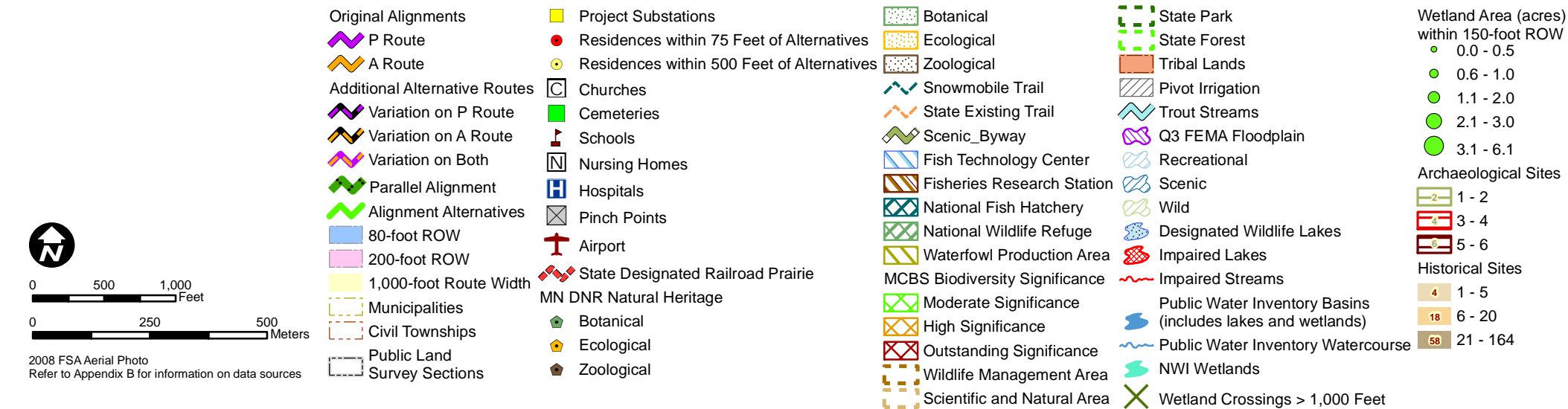
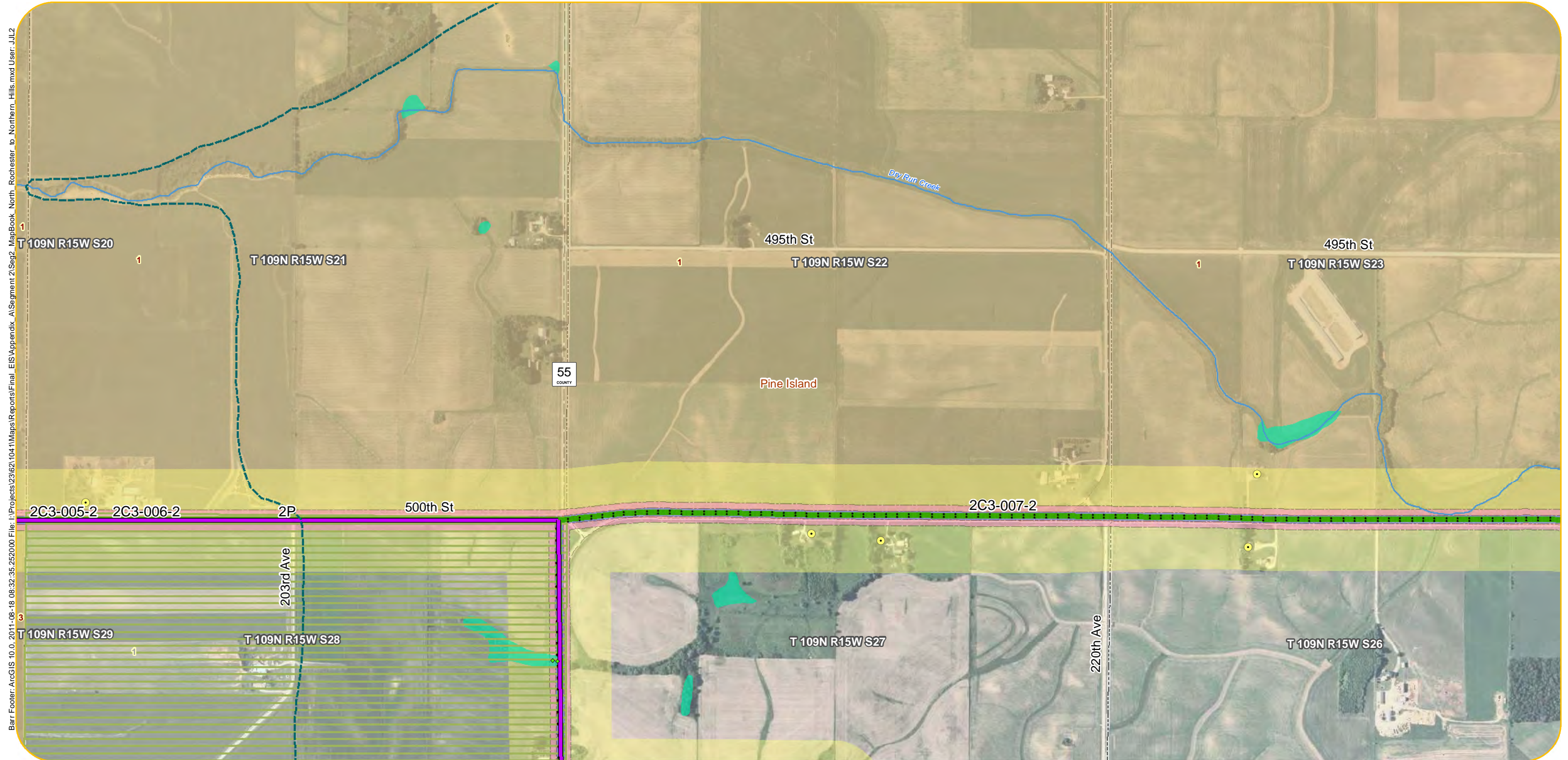


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 |
| 80-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 | | |

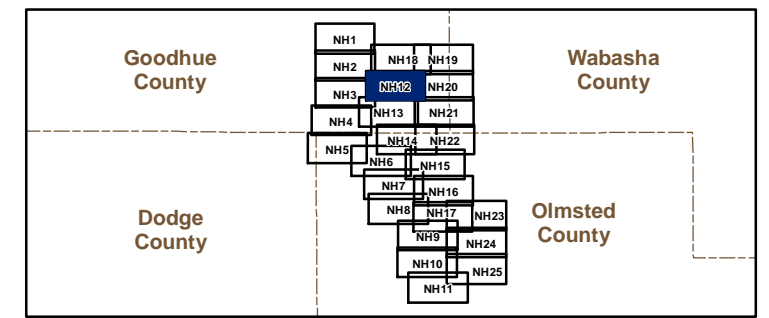
Appendix A - Sheet NH11
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation



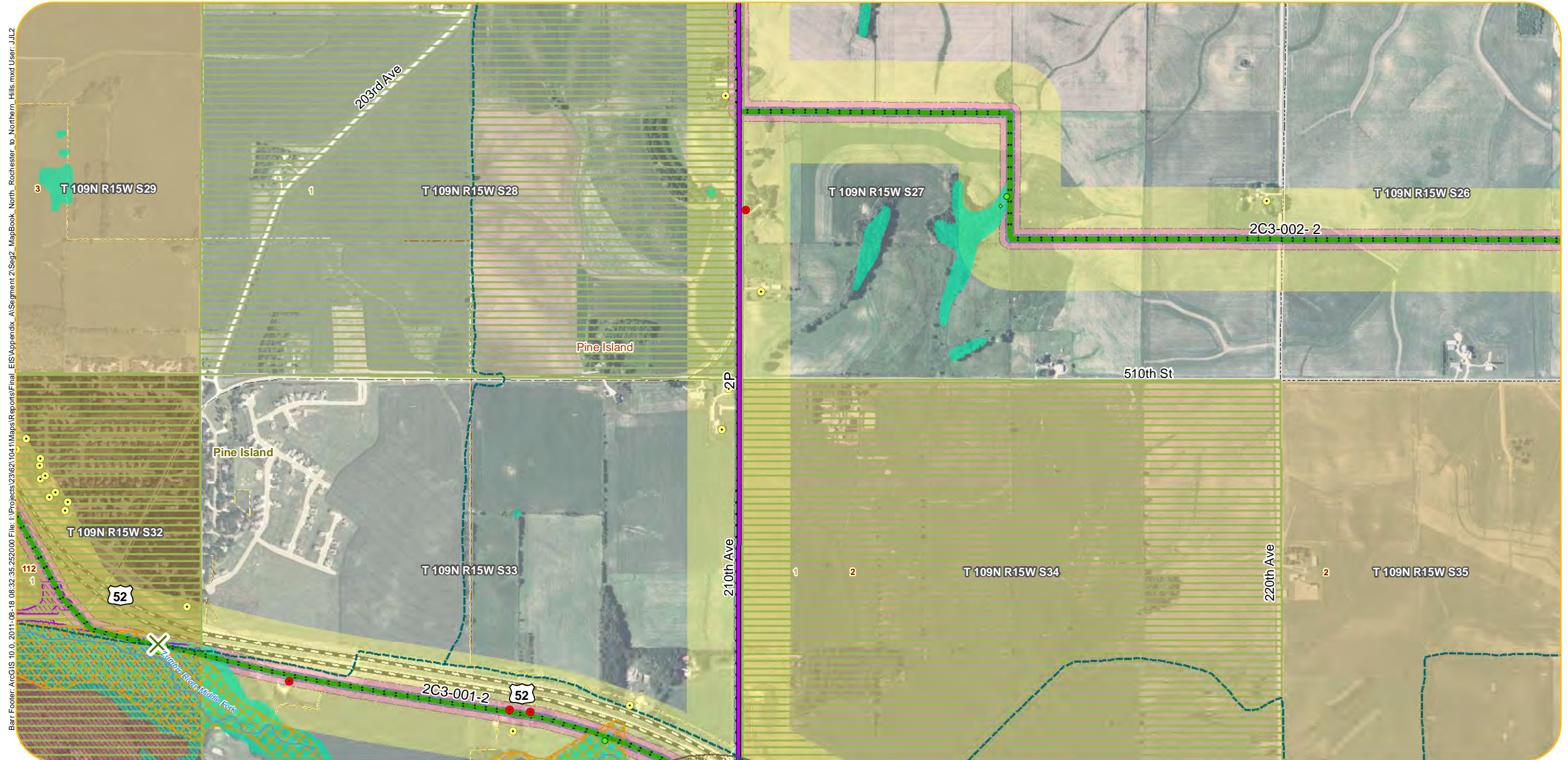
Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JUL2



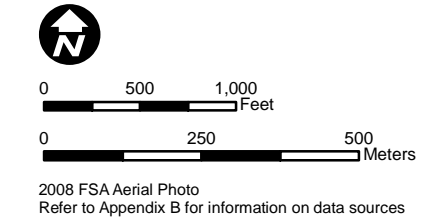
Appendix A - Sheet NH12
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation



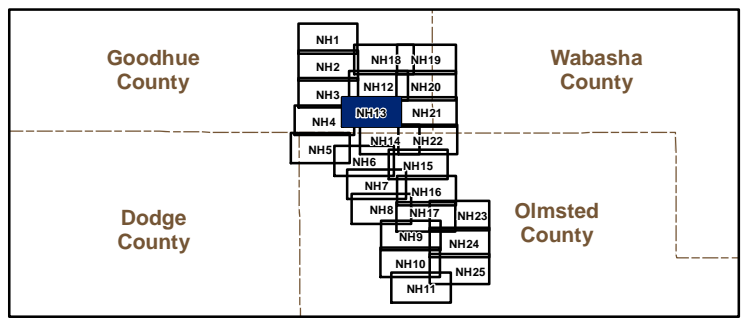
Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\23621041\MapReports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JUL2

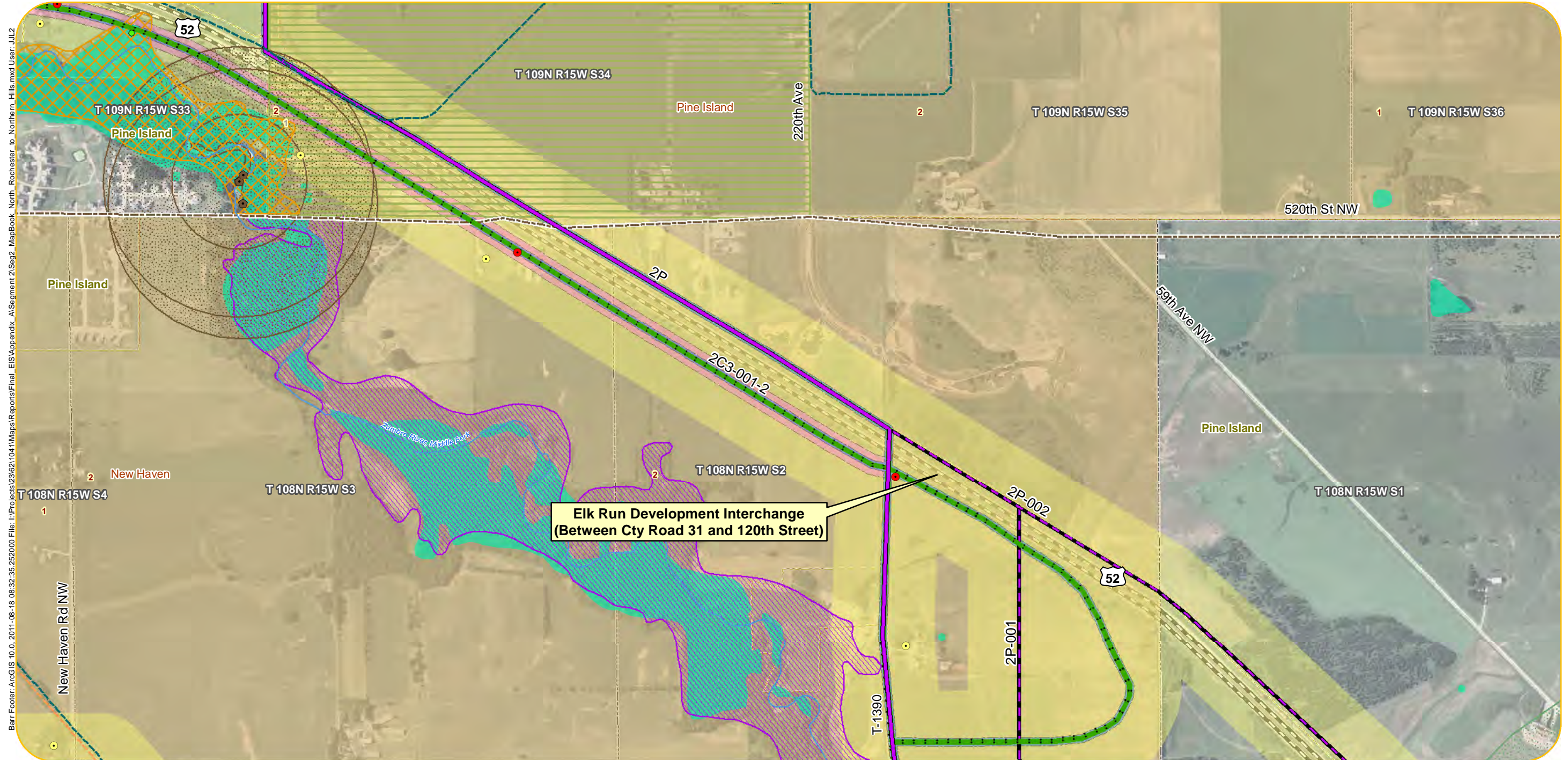


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 |
| 80-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 NH13
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation

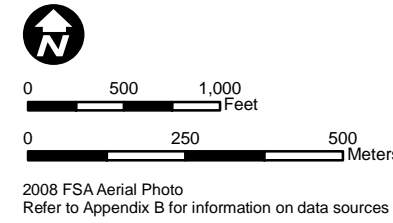




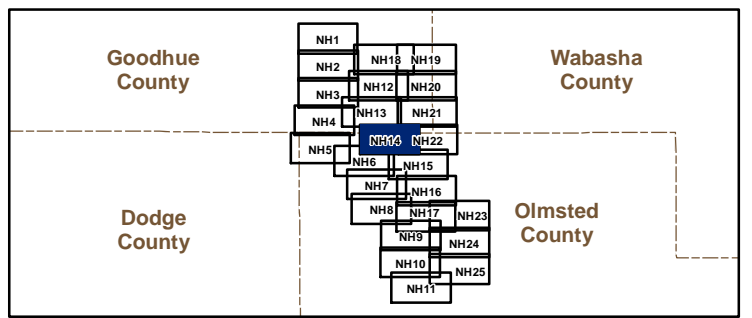
**Elk Run Development Interchange
(Between Cty Road 31 and 120th Street)**

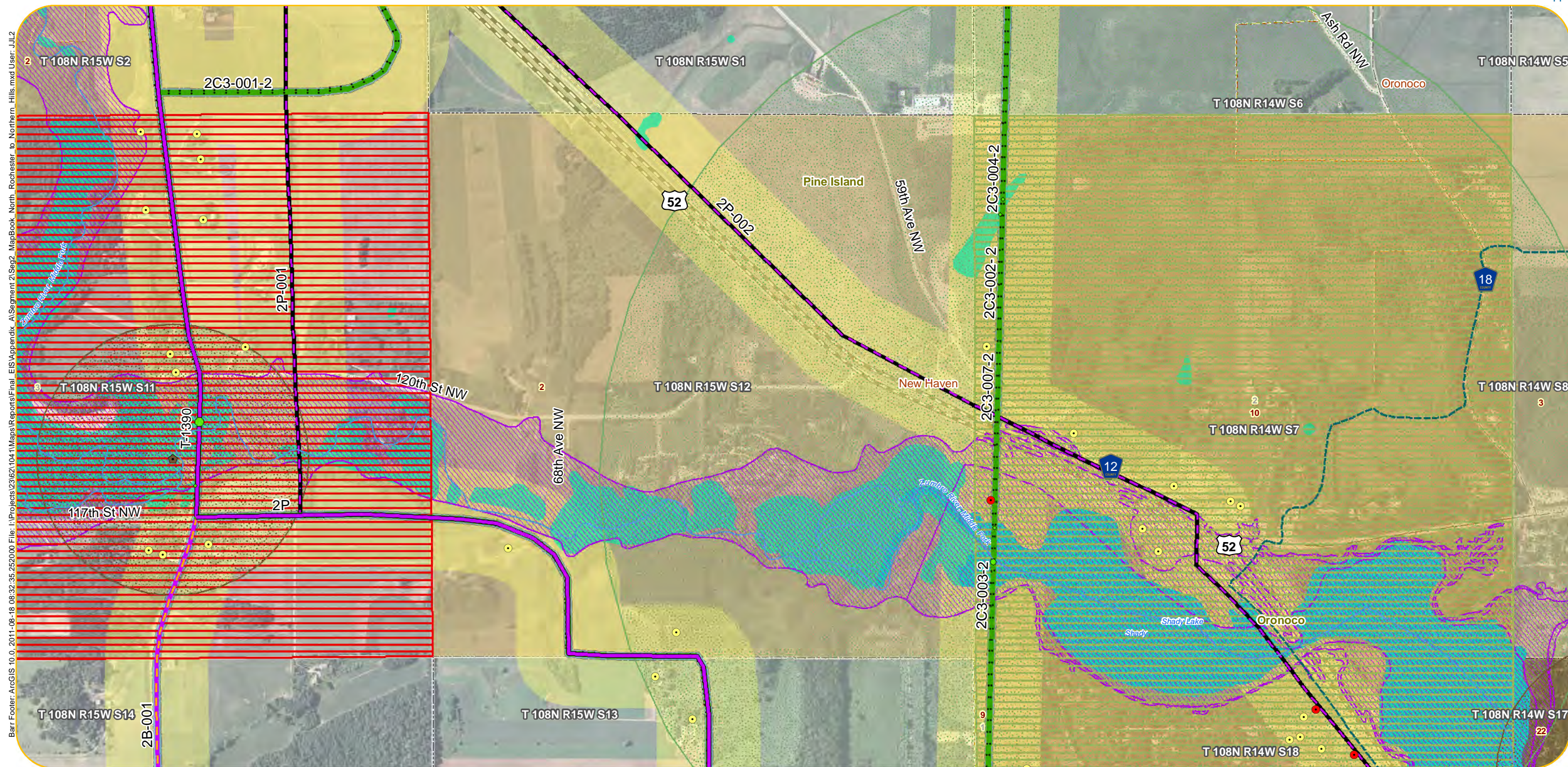
Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\2362\104\11\Map\Reports\Final_EIS\Appendix A\Segment 2\Seg2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JLL2

- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| 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 |
| 80-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 | | |



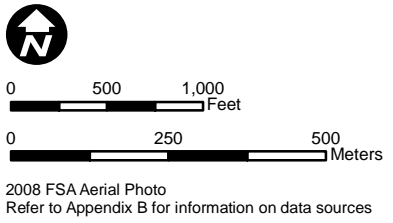
Appendix A - Sheet NH14
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation



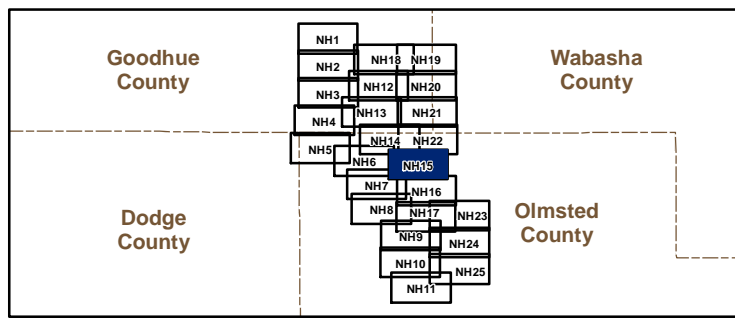


Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\2362\1041\Mapa\Reports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JULZ

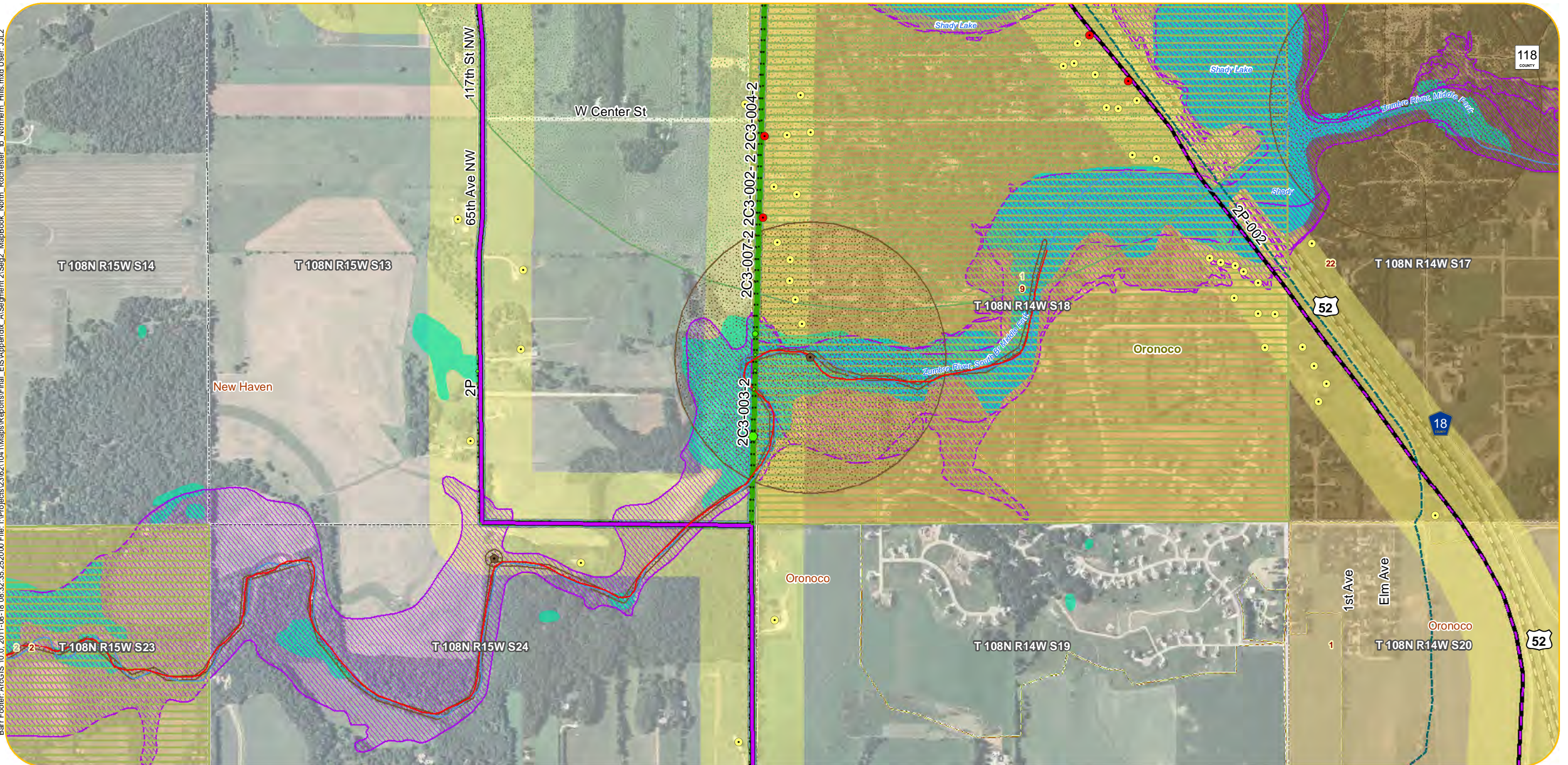
- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 |
| 80-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 NH15
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation

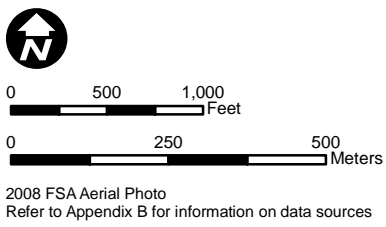


Barr Footer: ArcGIS 10.0.2011-08-18 08:32:35.252000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix_A\Segment_2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JUL2

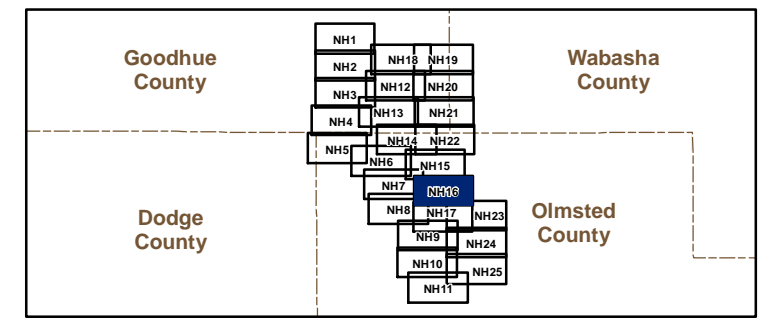


118 COUNTY

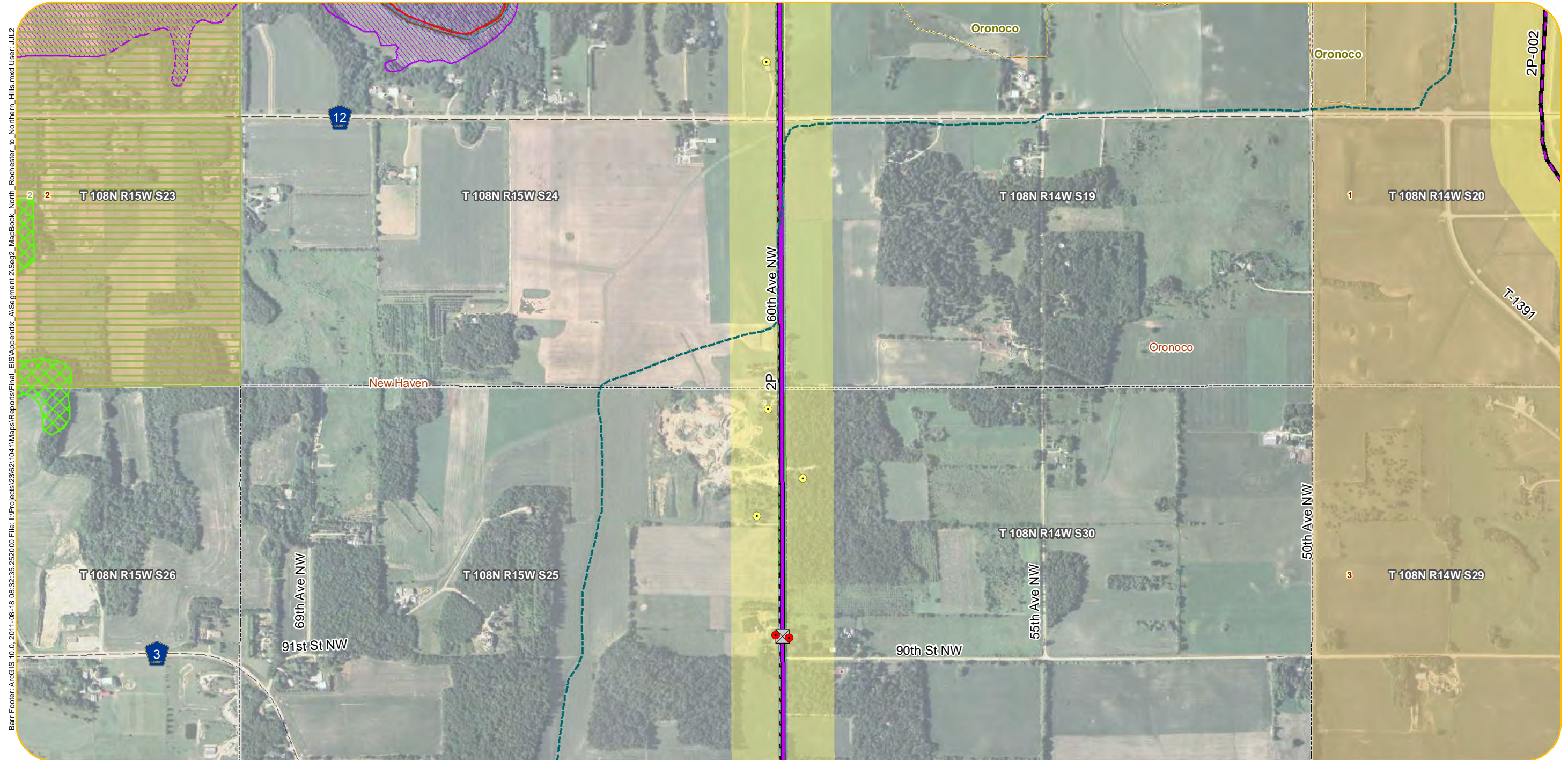
- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 |
| 80-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 | | |



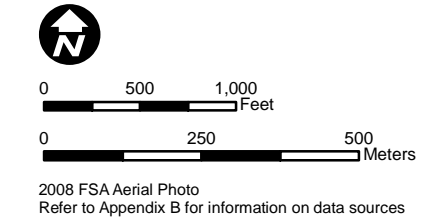
Appendix A - Sheet NH16
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation



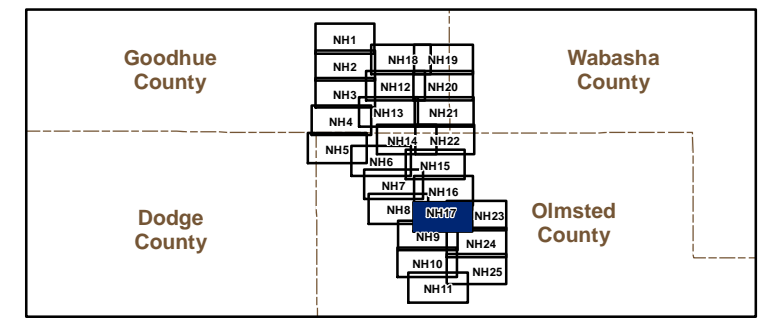
Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JLL2



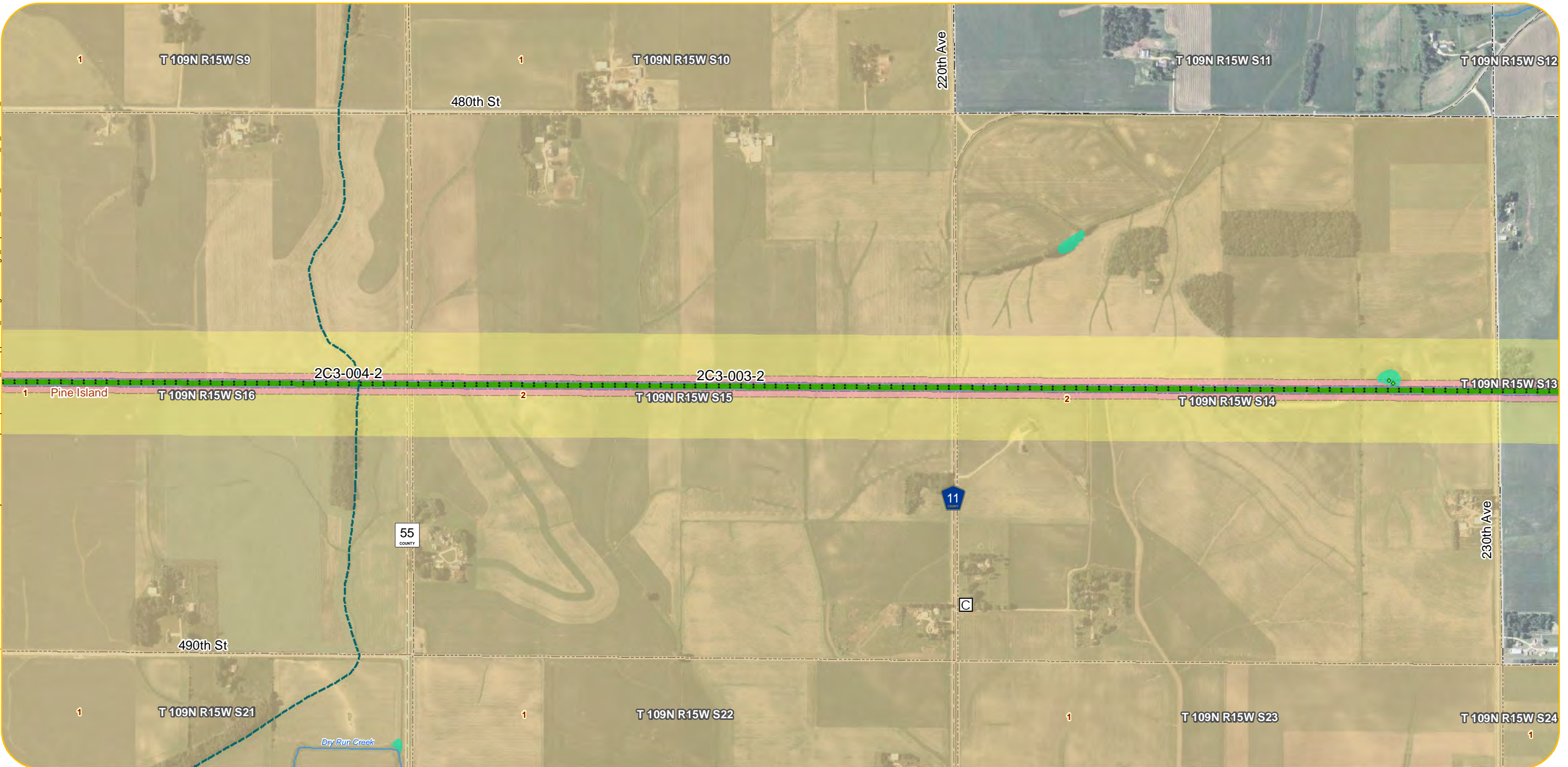
- | | | | | |
|---|---|---|--|---|
| <ul style="list-style-type: none"> Original Alignments P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both Parallel Alignment Alignment Alternatives 80-foot ROW 200-foot ROW 1,000-foot Route Width Municipalities 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 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 |
|---|---|---|--|---|



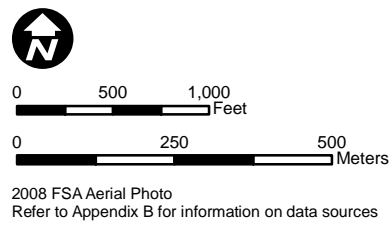
Appendix A - Sheet NH17
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation



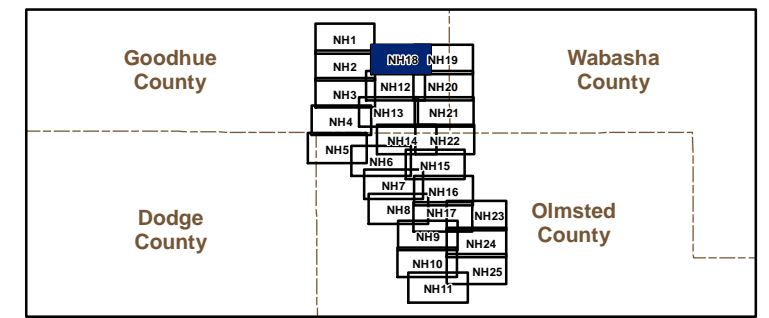
Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix_A\Segment_2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JUL2



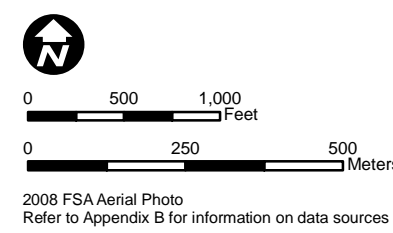
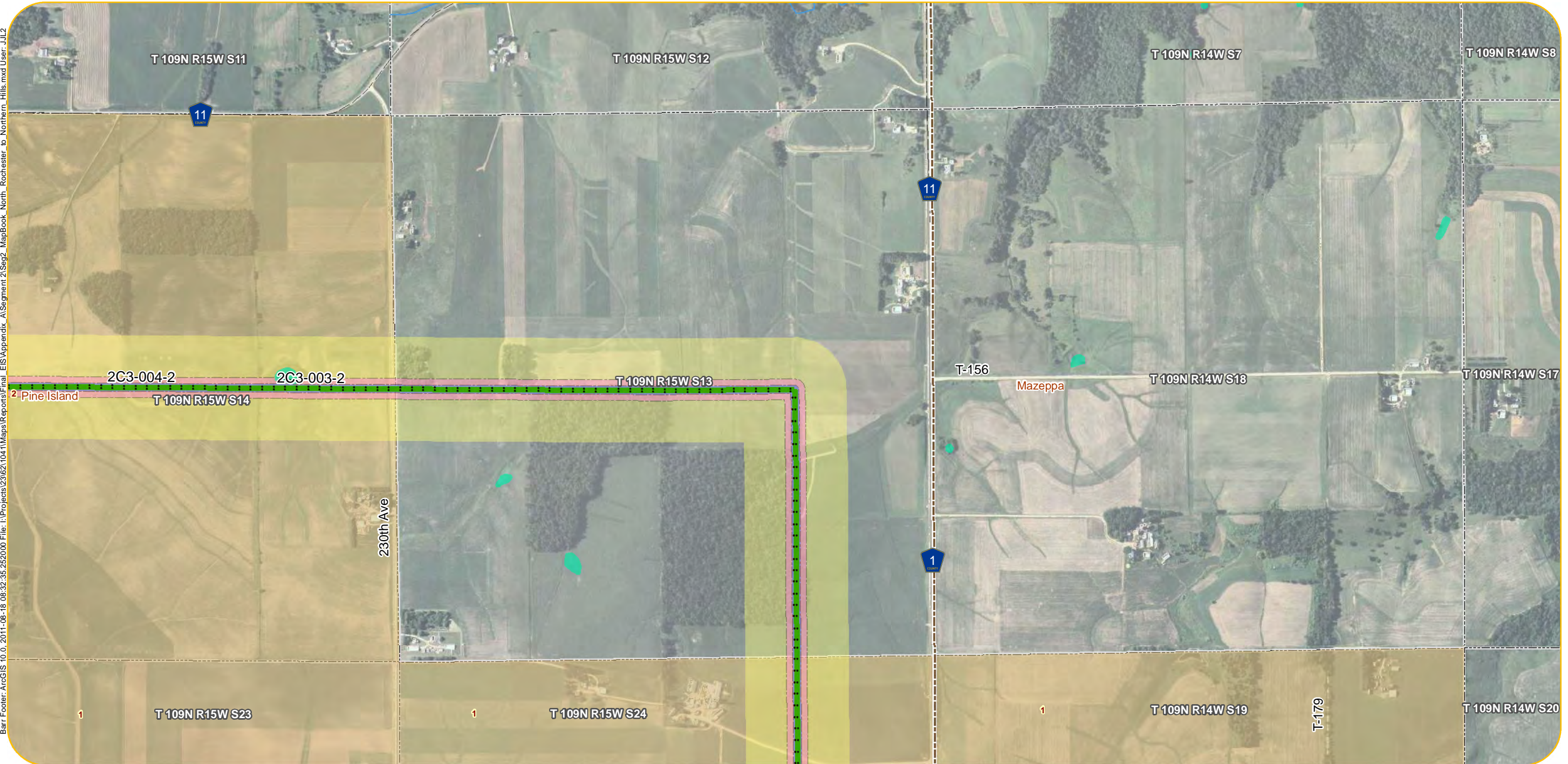
- | | | | | |
|---|---|---|--|---|
| <ul style="list-style-type: none"> Original Alignments P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both Parallel Alignment Alignment Alternatives 80-foot ROW 200-foot ROW 1,000-foot Route Width Municipalities 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 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 NH18
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation

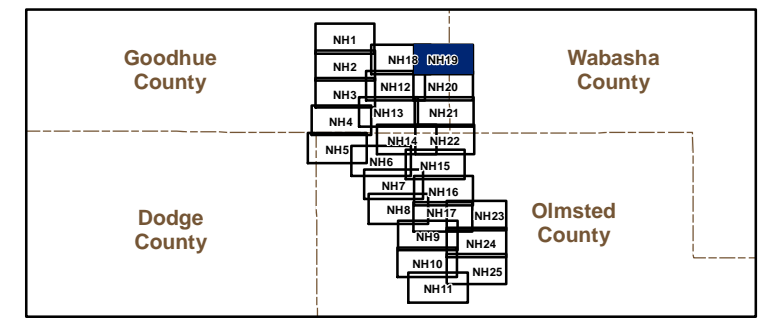


Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\23621041\Map\Reports\Final_EIS\Appendix_A\Segment_2\Sag2_MapBook_North_Northern_Hills.mxd User: JLL2

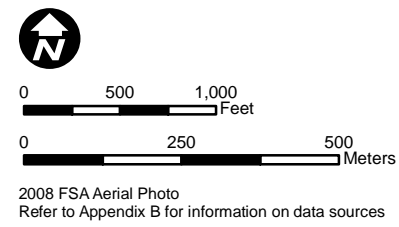
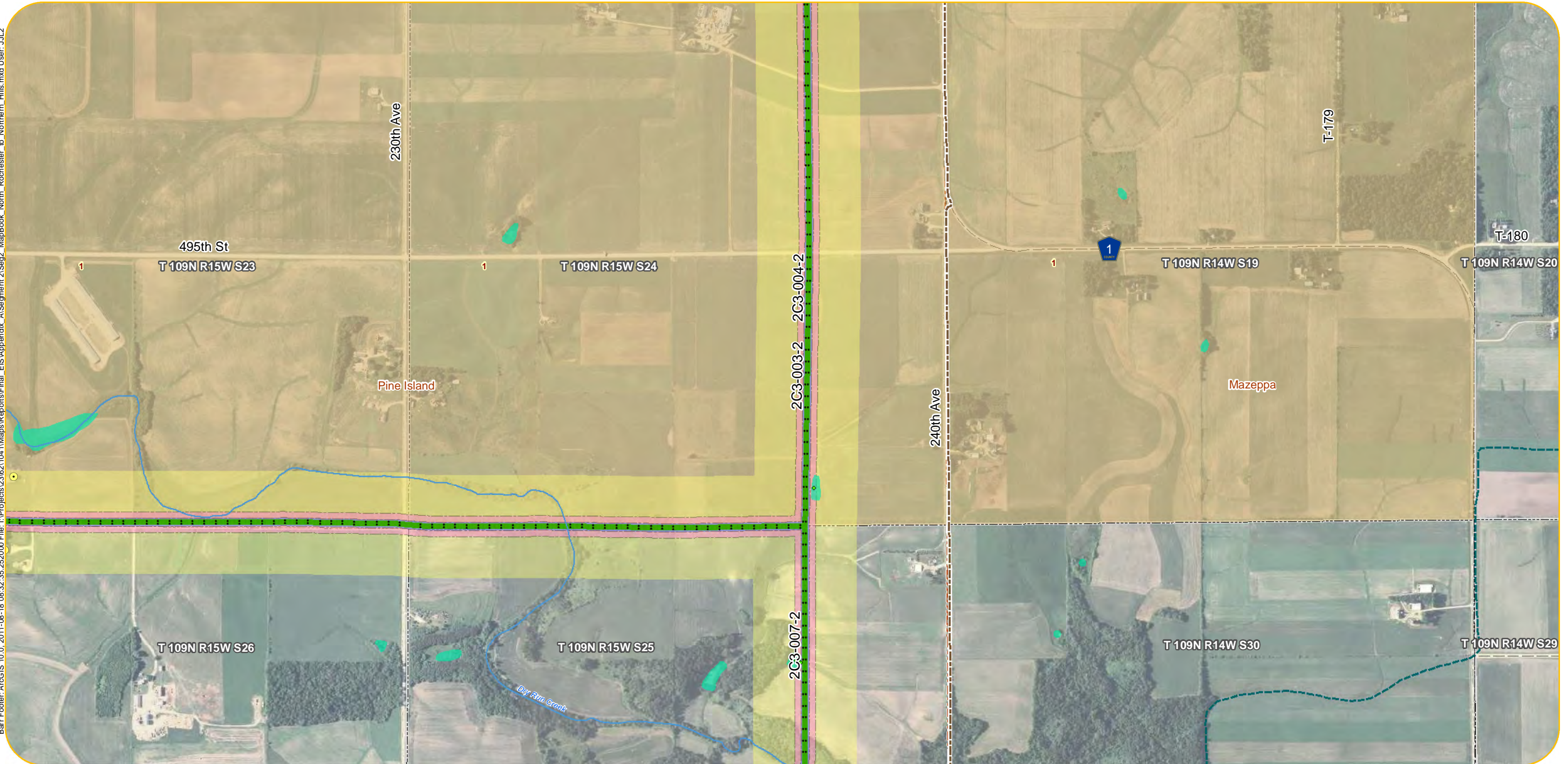


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 |
| 80-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 NH19
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation

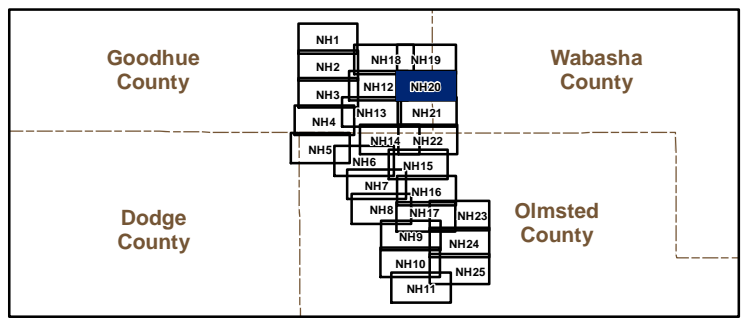


Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\2362\1041\Map\Reports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JUL2

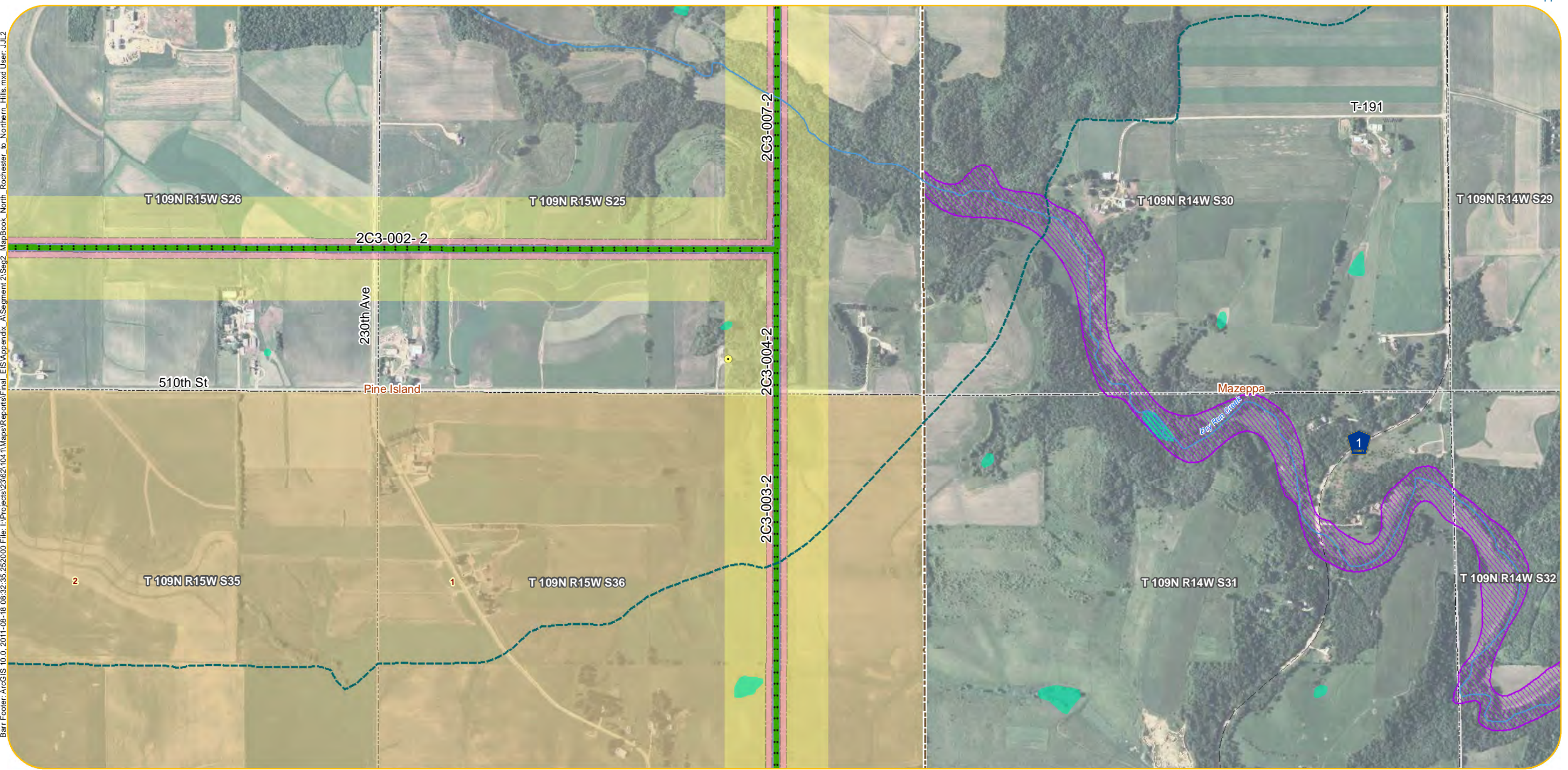


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 |
| 80-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 NH20
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation

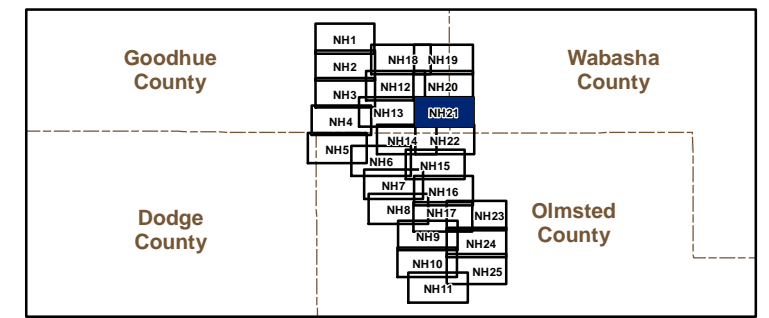


Barr Footer: ArcGIS 10.0.2011-08-18 08:32:35.252000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JUL2

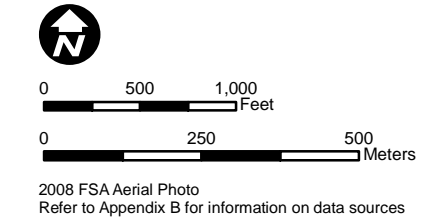
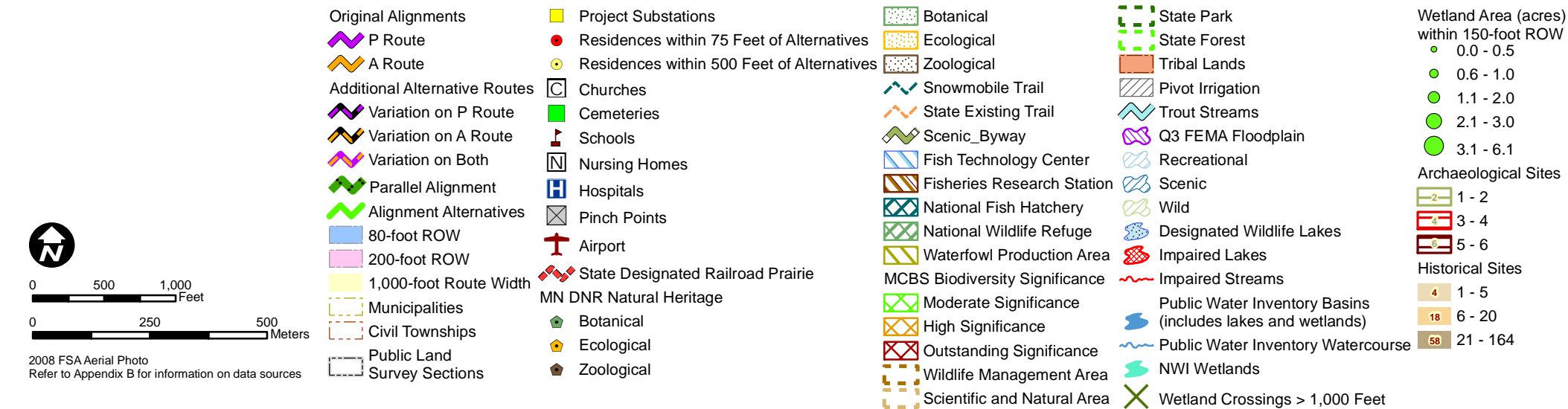
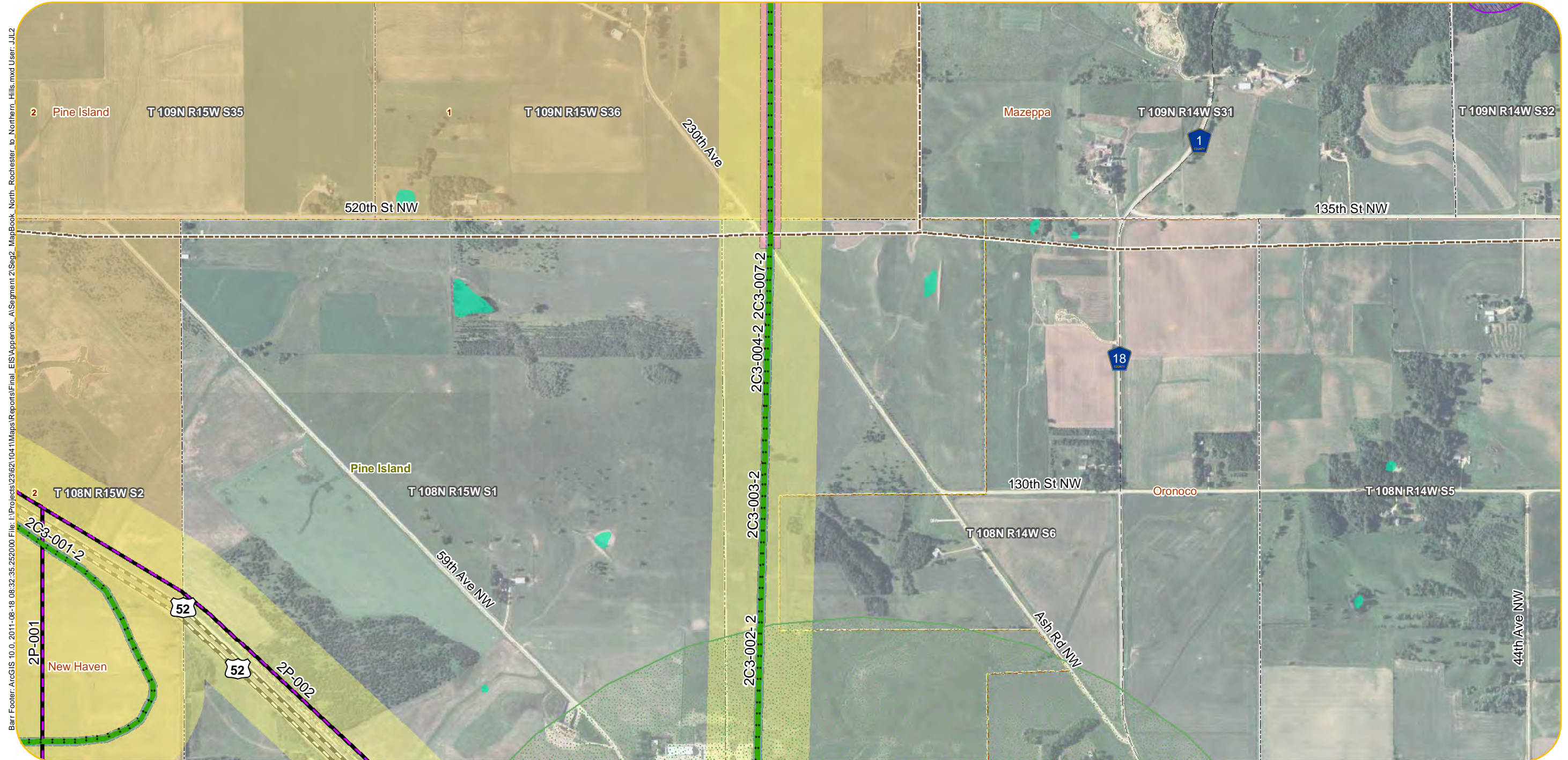


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 |
| 80-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 | | |

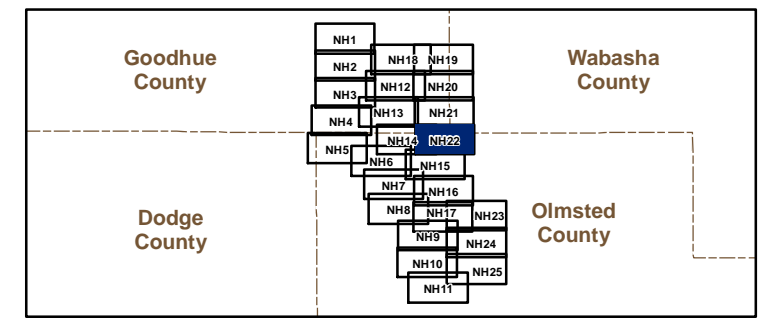
Appendix A - Sheet NH21
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation



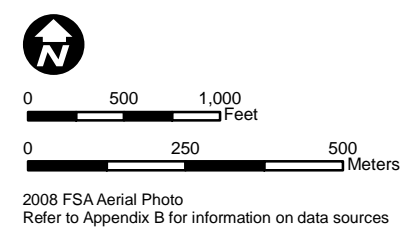
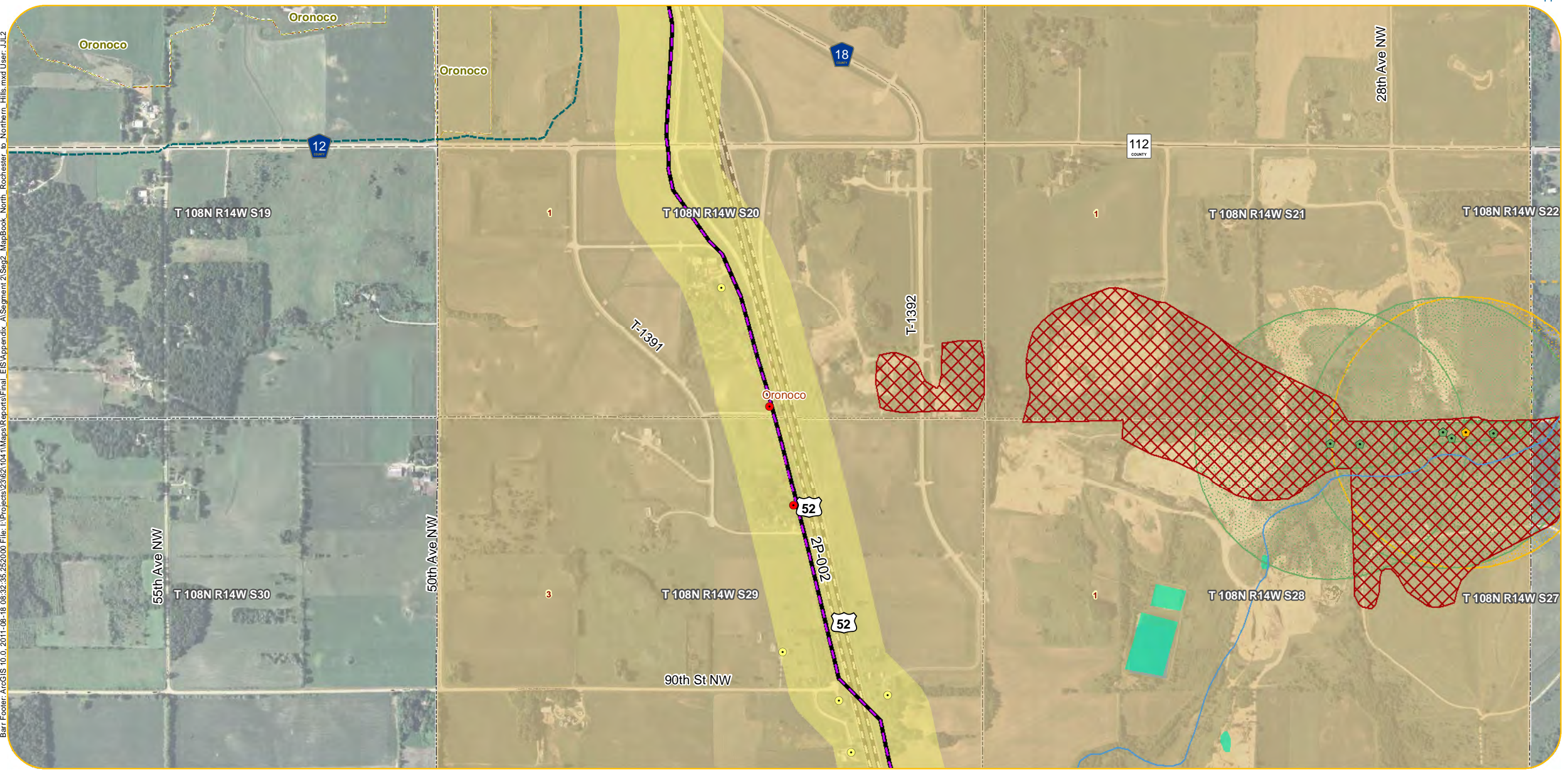
Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\23621041\Mapa\Reports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_b_Northern_Hills.mxd User: JUL2



Appendix A - Sheet NH22
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation

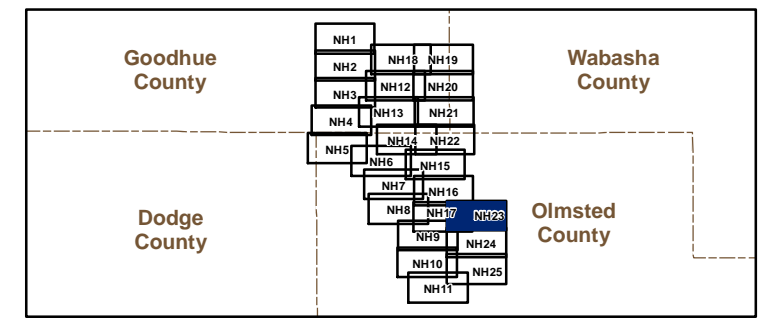


Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JUL2

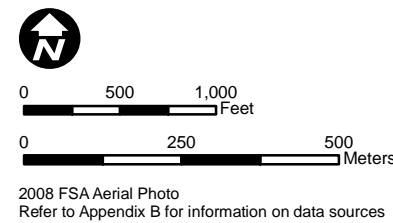
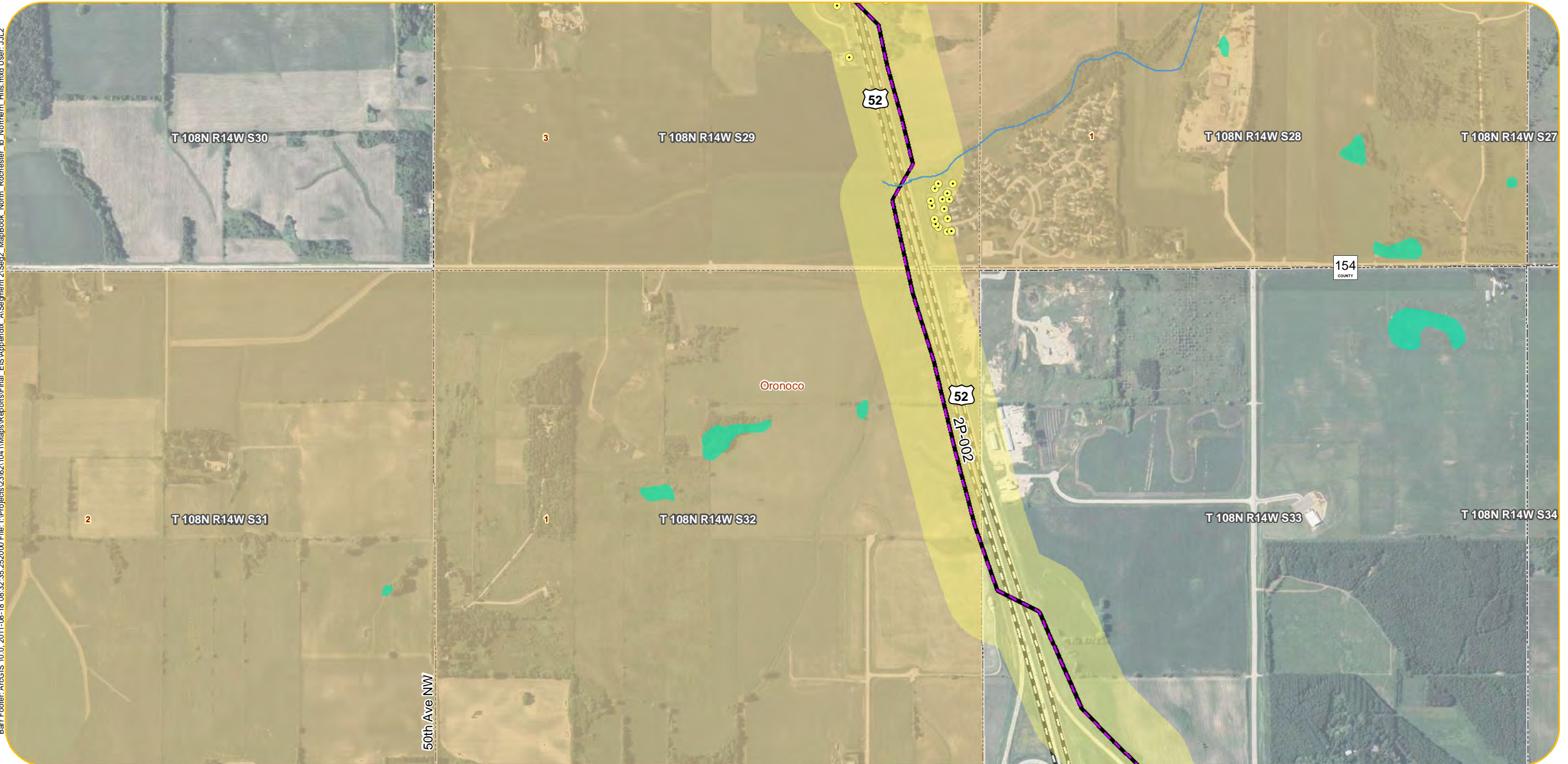


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 |
| 80-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 NH23
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation

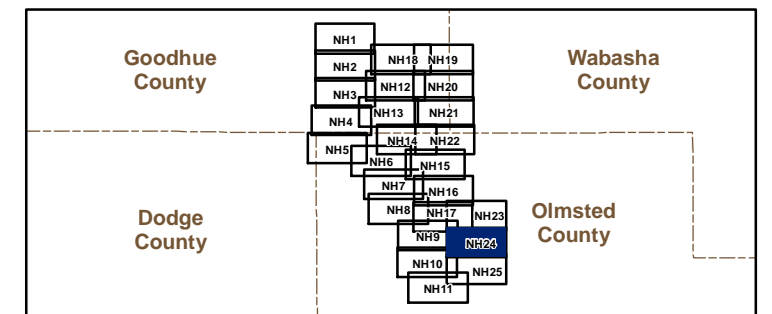


Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JUL2

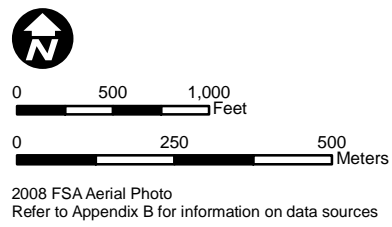
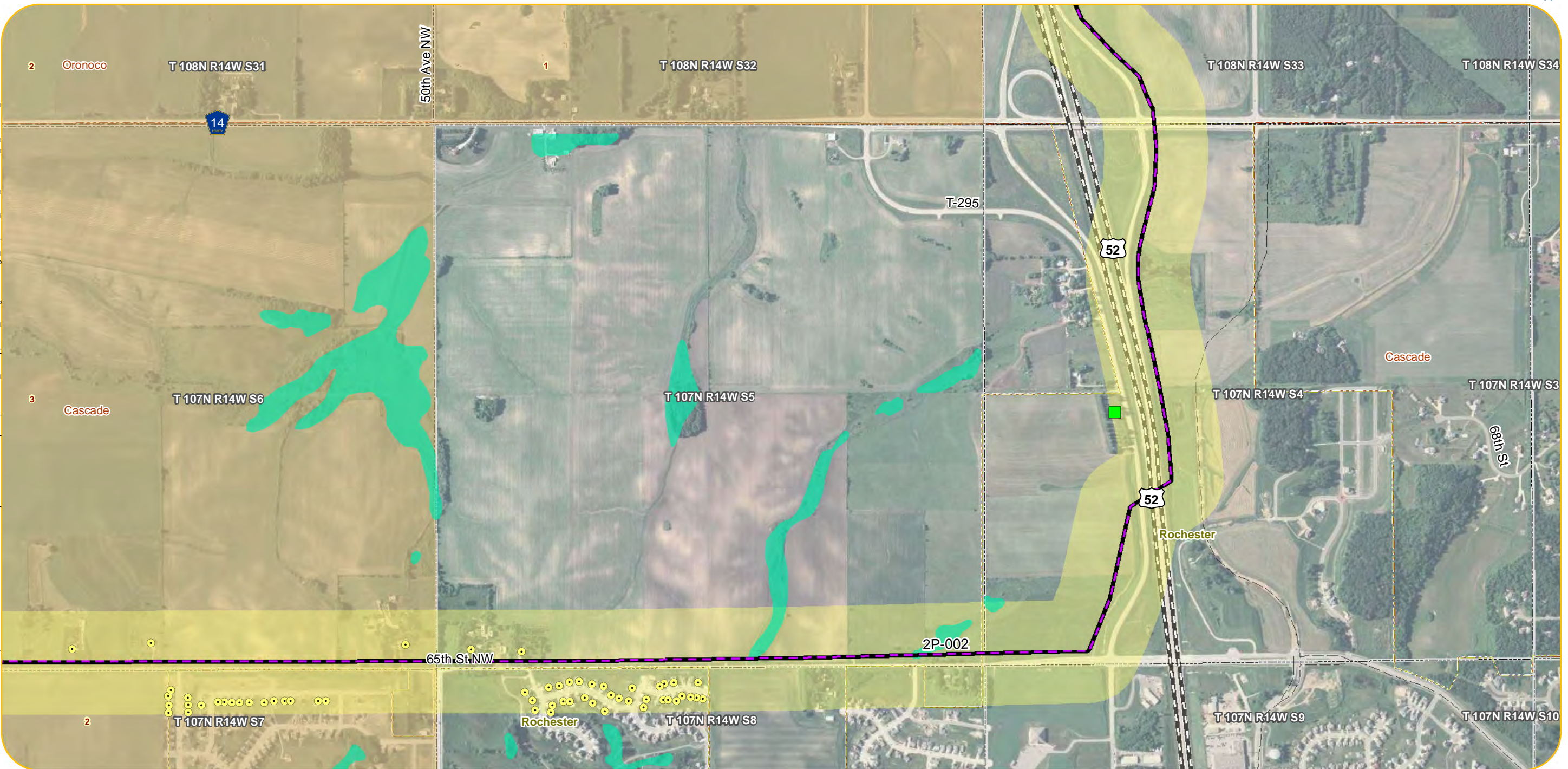


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 |
| 80-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 NH24
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation

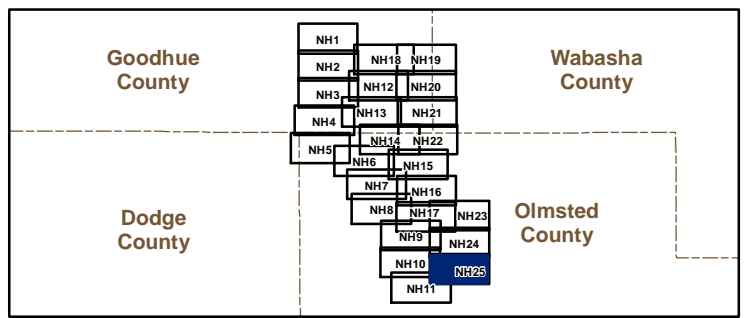


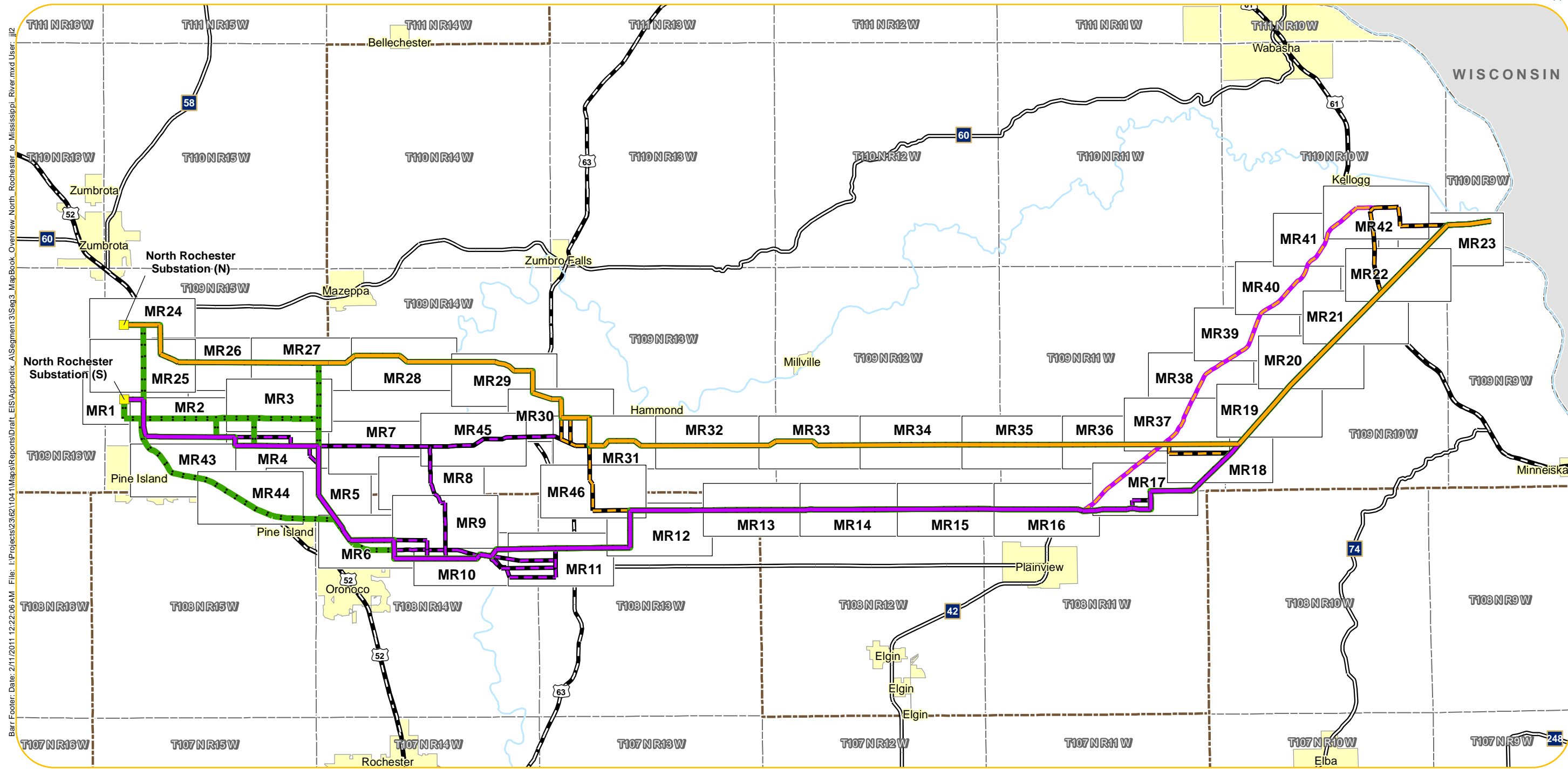
Barr Footer: ArcGIS 10.0, 2011-08-18 08:32:35.252000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 2\Sag2_MapBook_North_Rochester_to_Northern_Hills.mxd User: JUL2



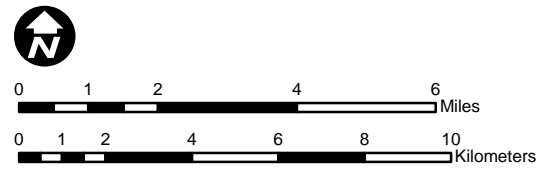
- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 |
| 80-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 NH25
Detail Map
Segment 2,
North Rochester Substation to Northern Hills Substation



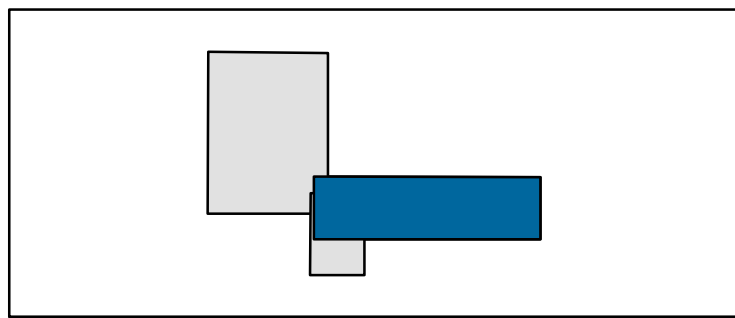


Barr Footer: Date: 2/11/2011 12:22:06 AM File: I:\Projects\2362\104\1\Map\Reports\Draft_EIS\Appendix A\Segment 3\MapBook_Overview_North_Rochester_to_Mississippi_River.mxd User: jll



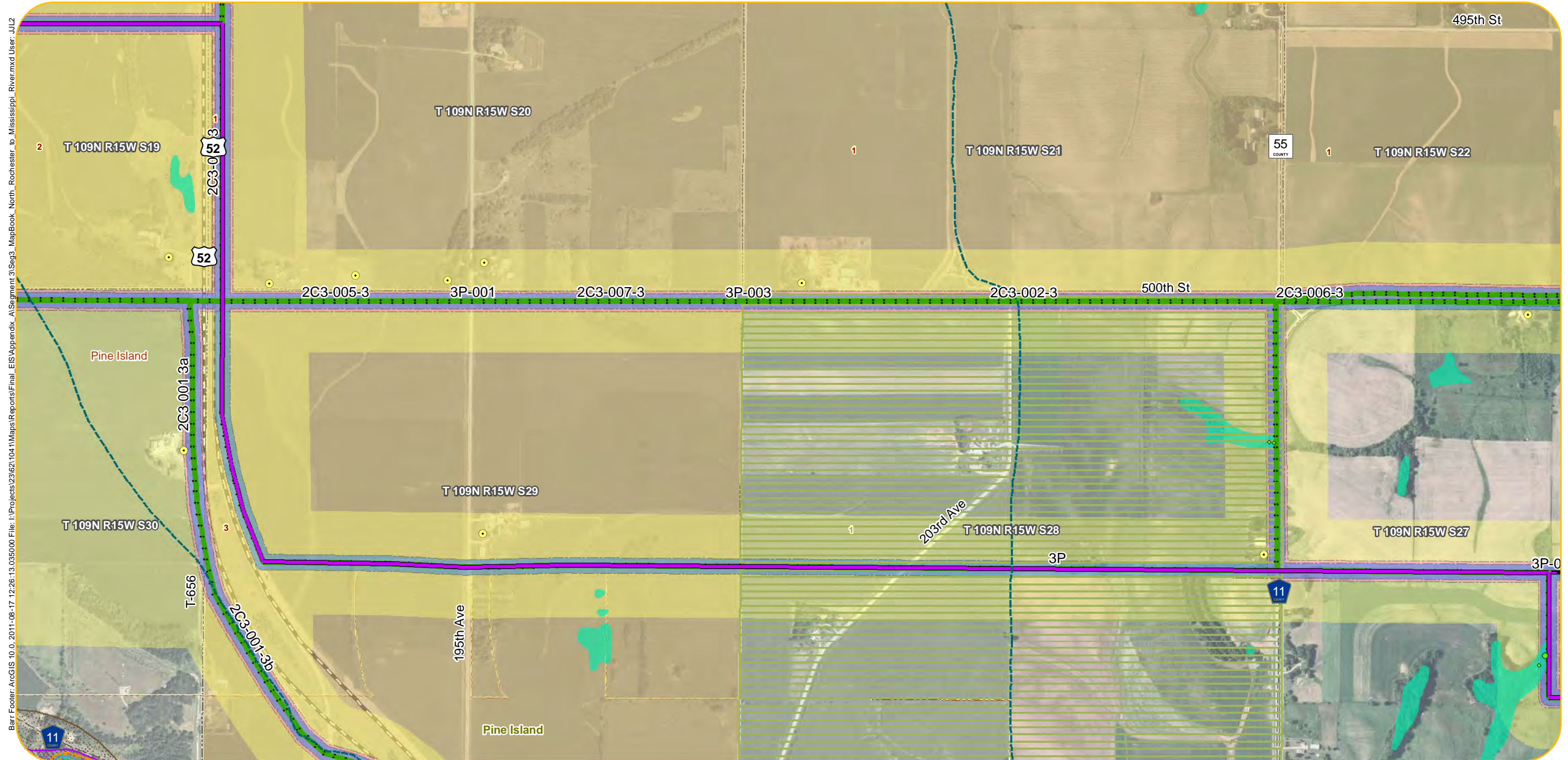
- Project Substations
- MR1 Map Index
- County Boundaries
- Original Alignments**
- P Route
- A Route
- Additional Alternative Routes**
- Variation on P Route
- Variation on A Route
- Variation on Both
- Parallel Alignment

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

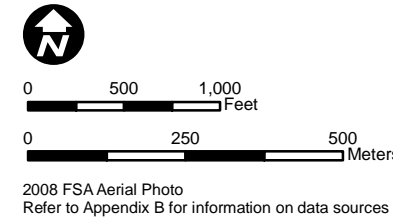


Refer to Appendix B for information on data sources

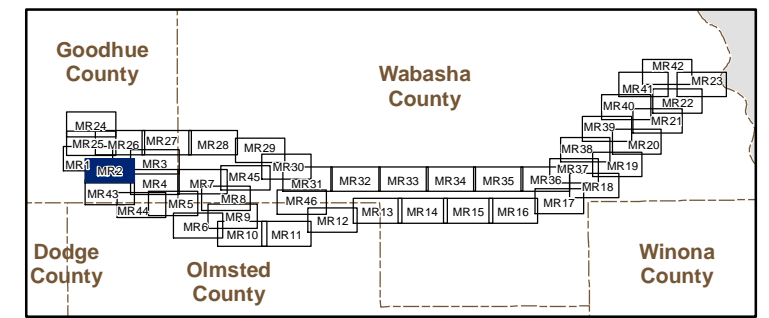
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2



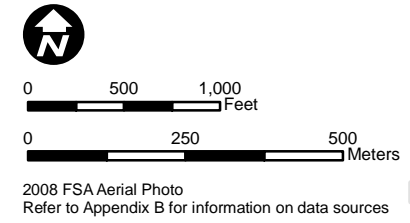
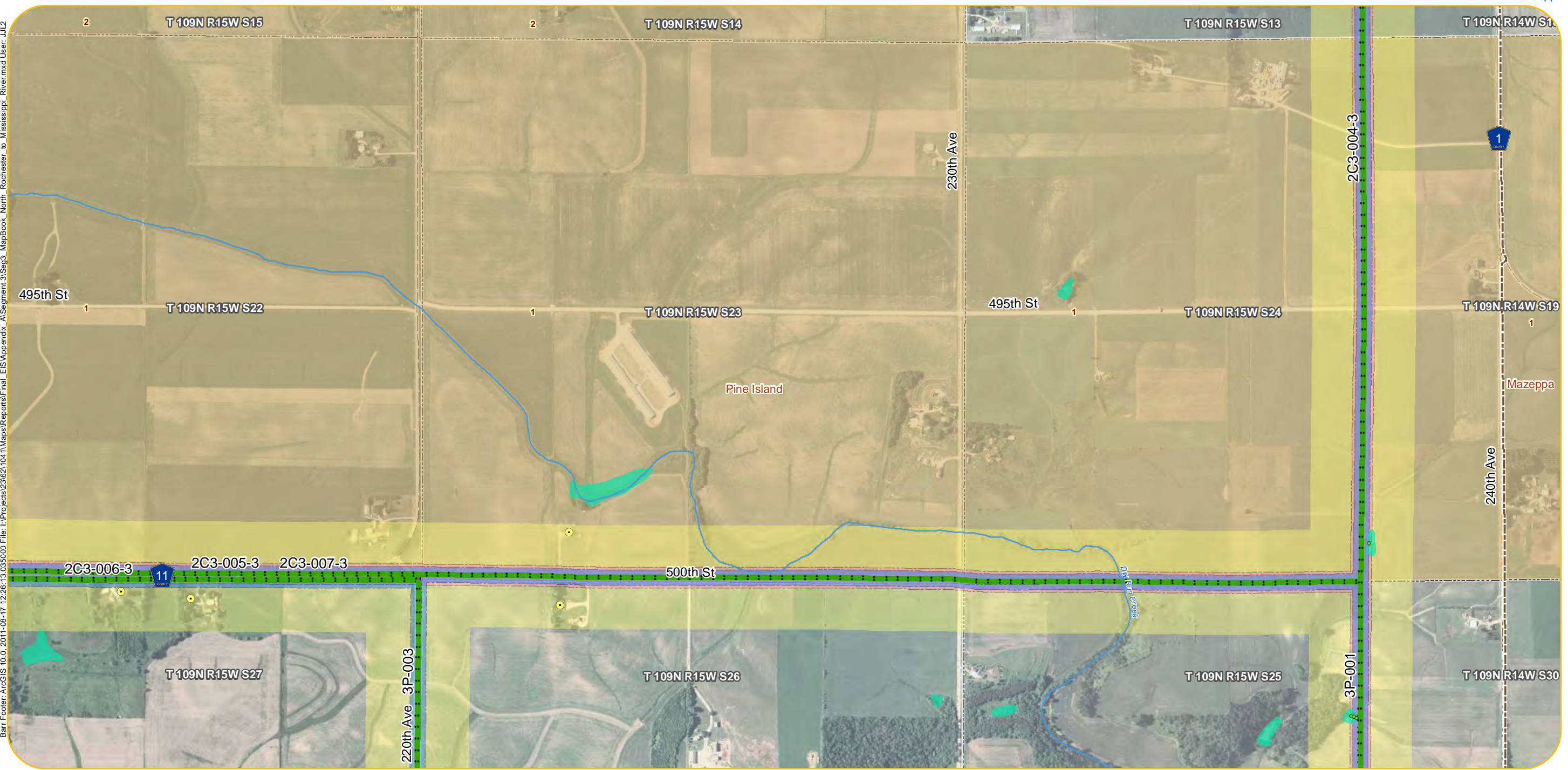
- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 | | |



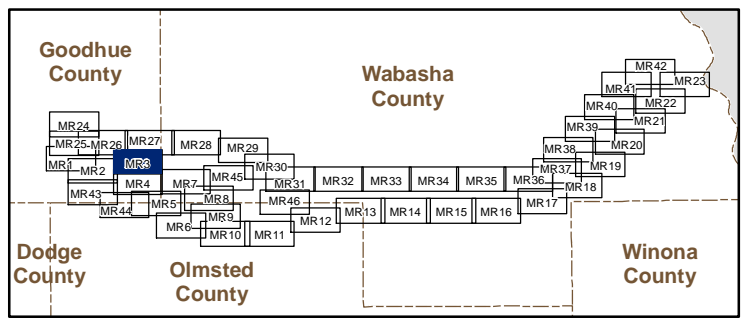
Appendix A - Sheet MR2
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



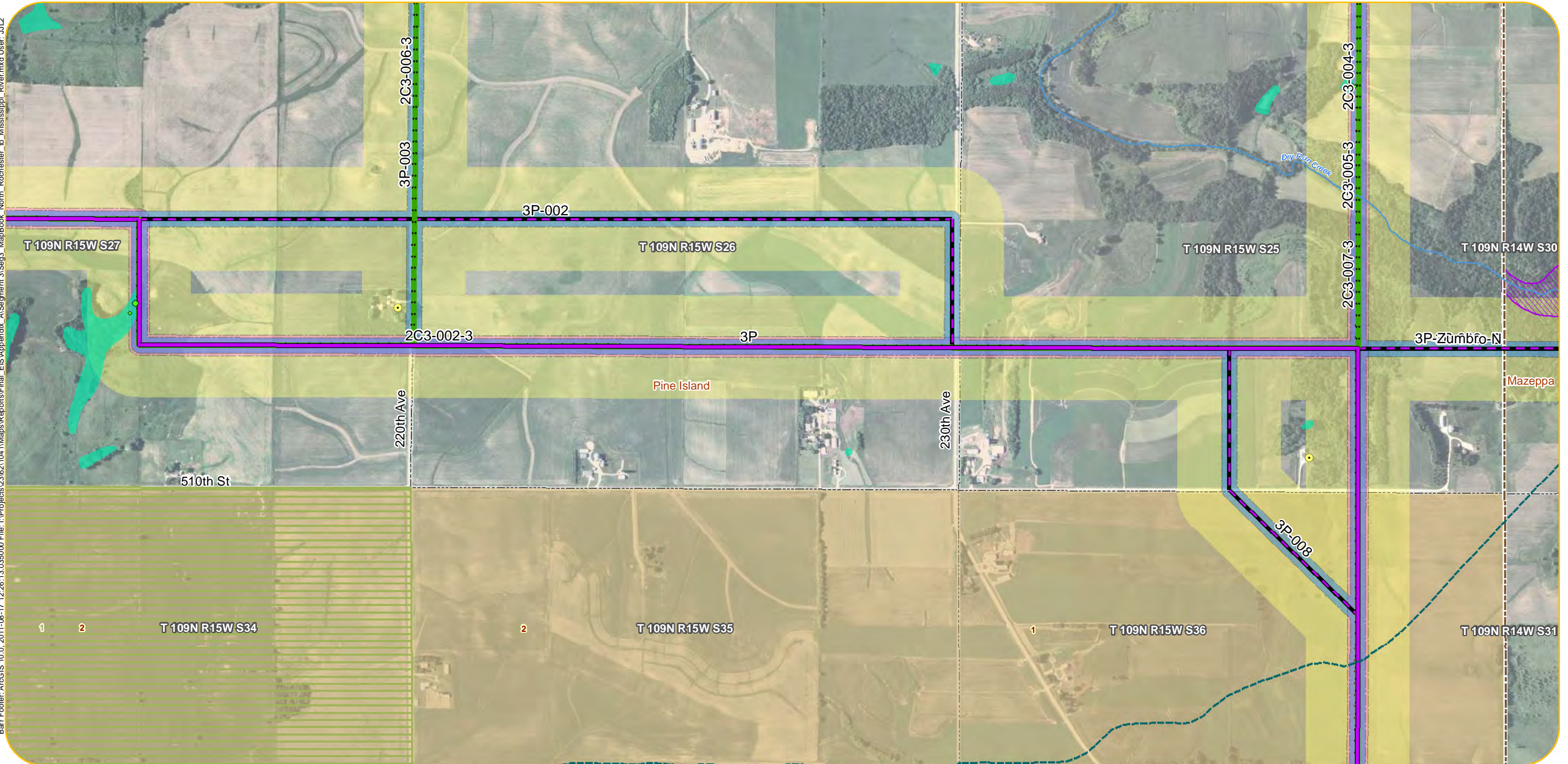
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Seg3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2



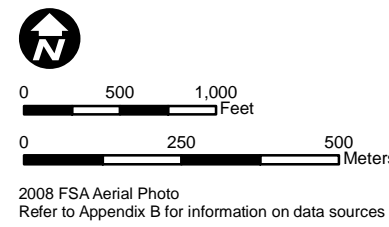
Appendix A - Sheet MR3
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



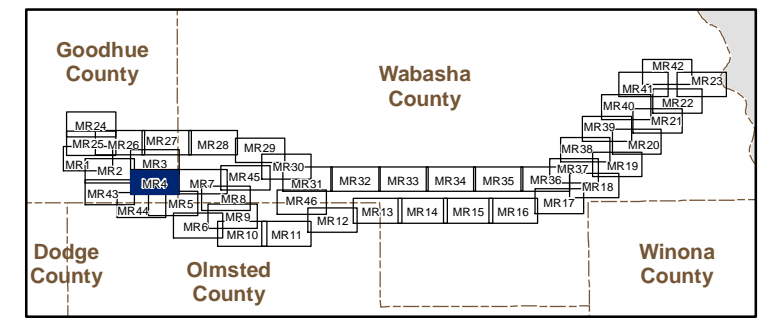
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Map\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2



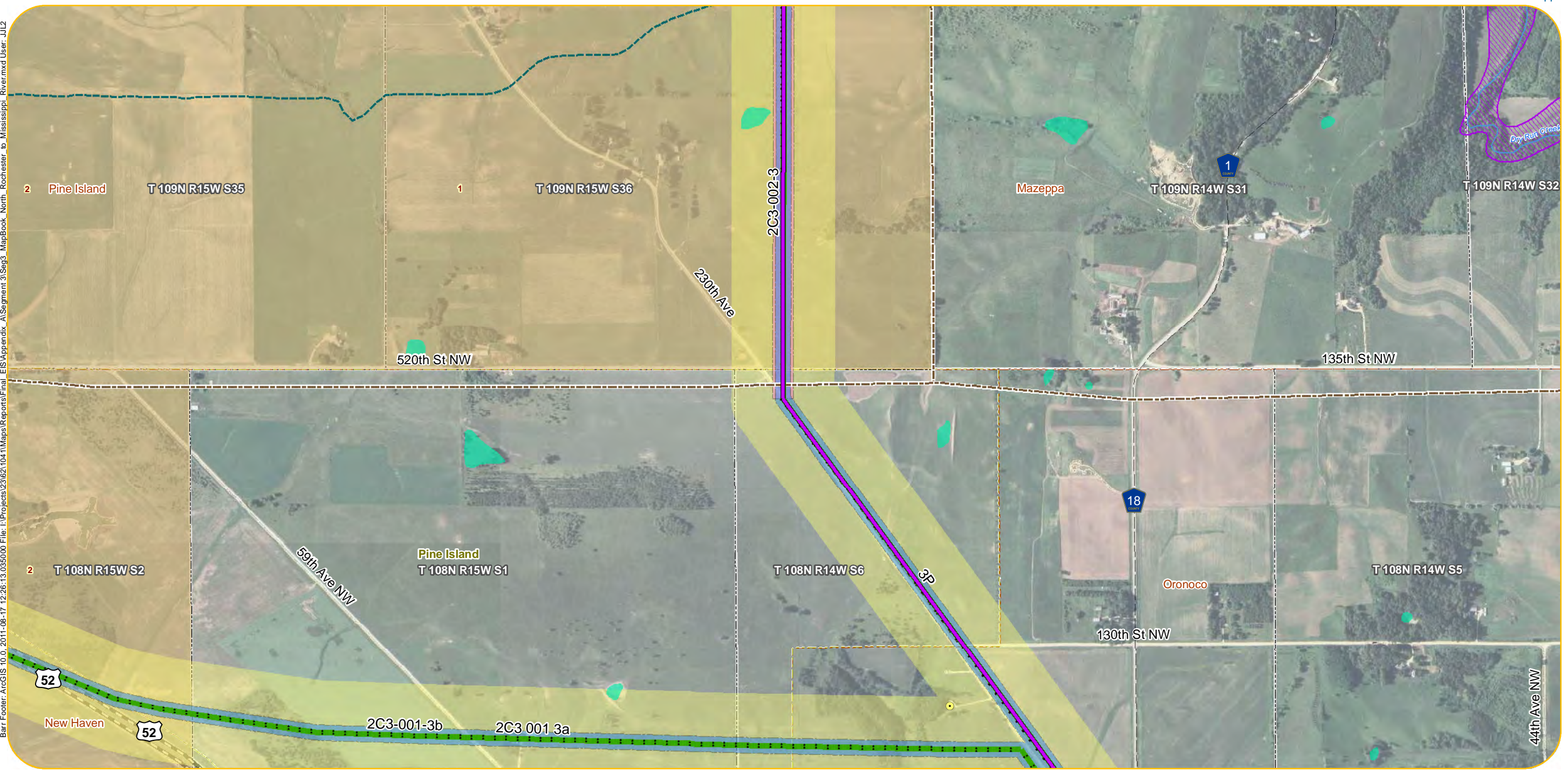
- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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

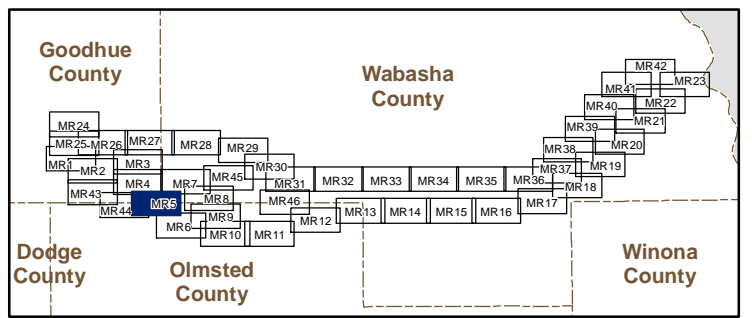


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix_A\Segment_3\Seg3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

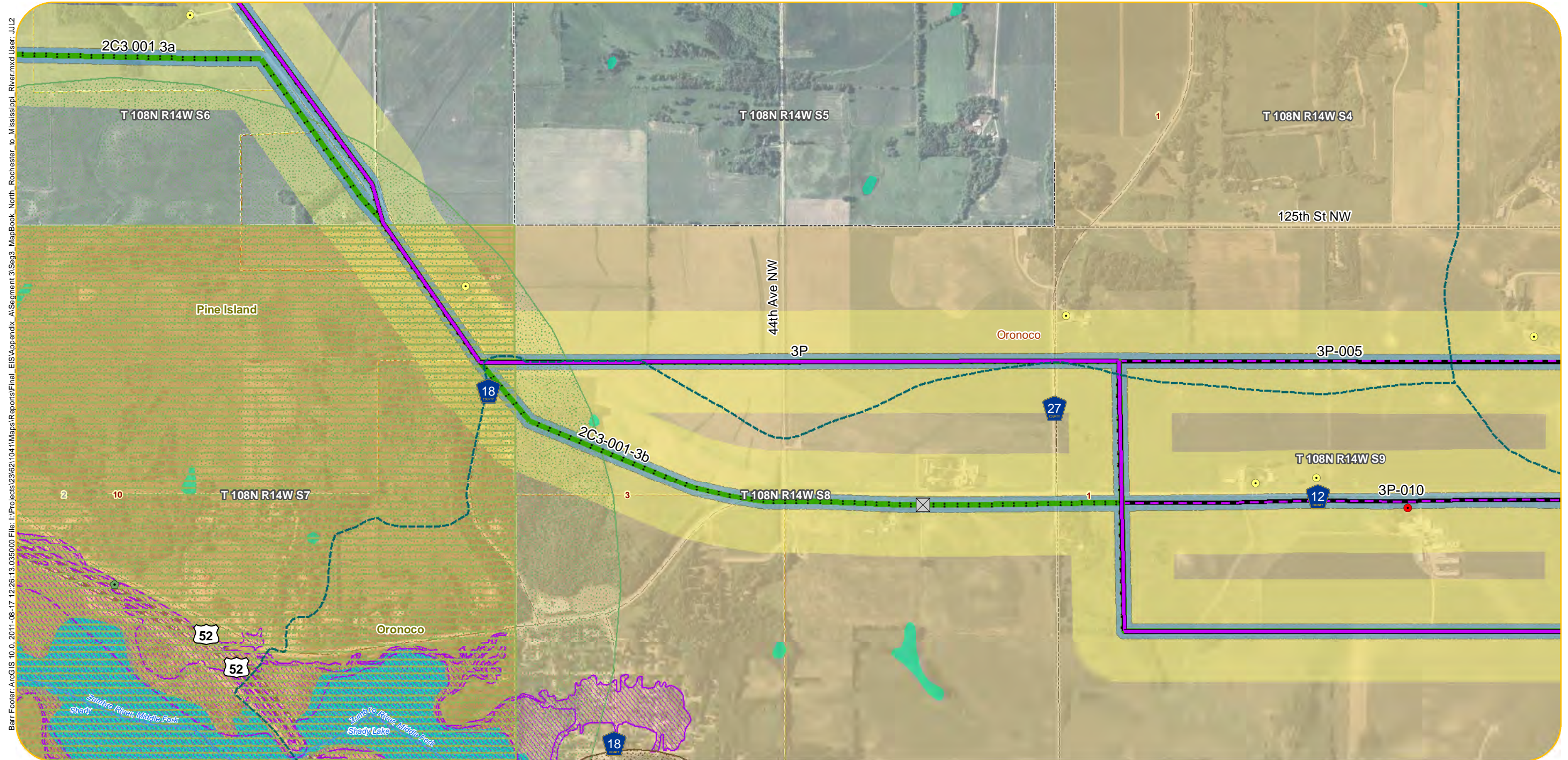


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 | |

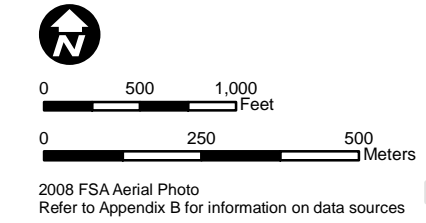
Appendix A - Sheet MR5
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



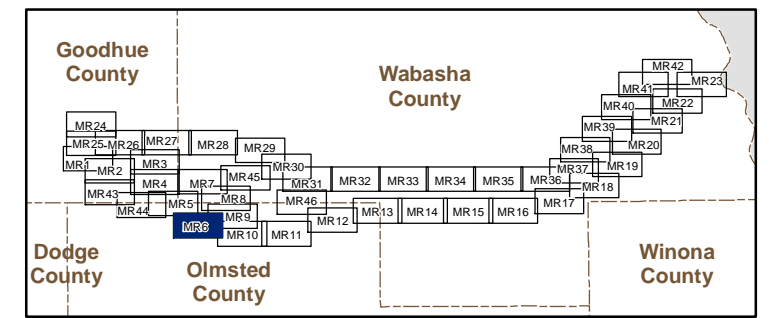
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\2362\1041\Mapa\Reports\Final_EIS\Appendix A\Segment 3\Seg3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2



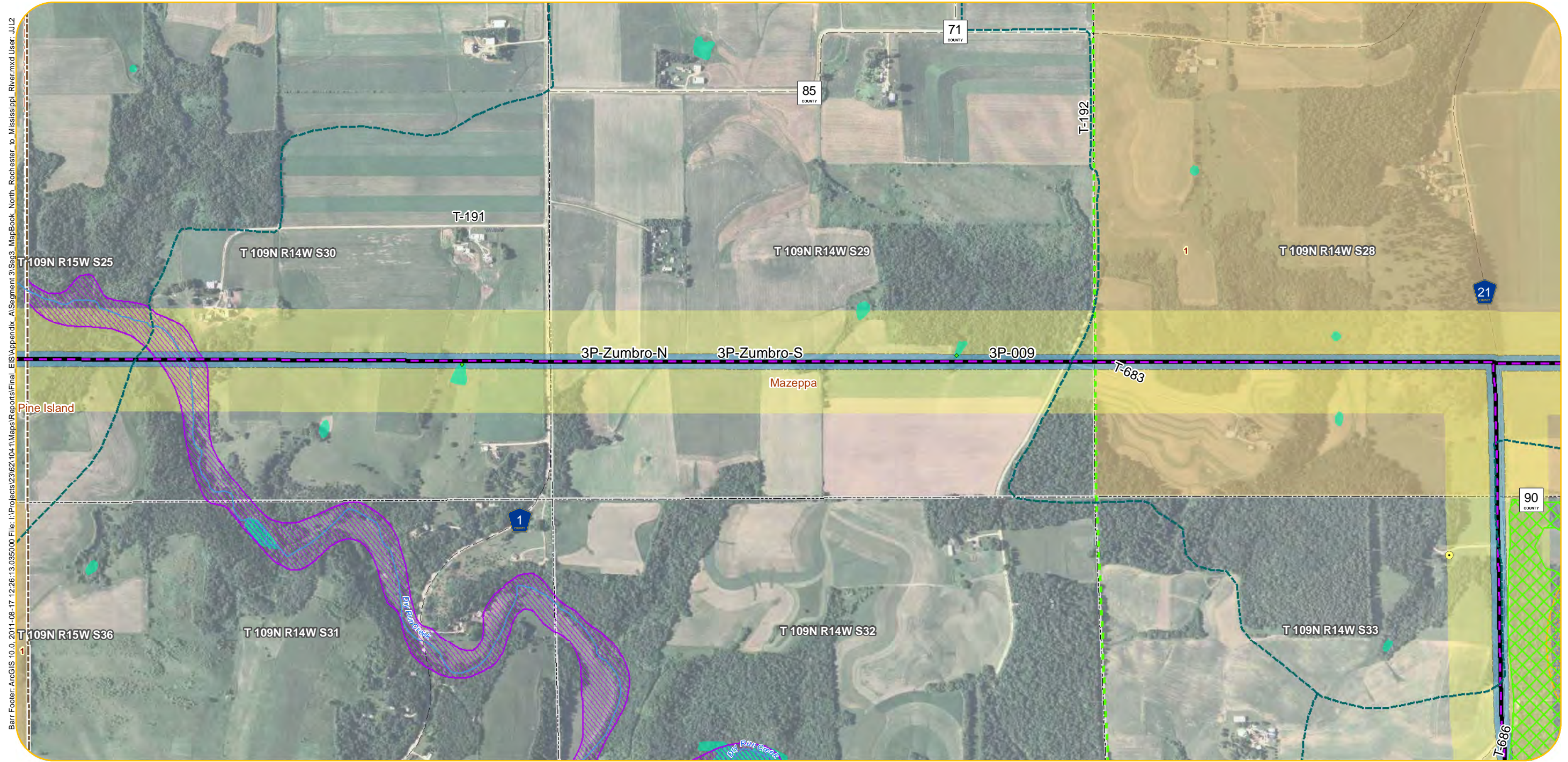
- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 MR6
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

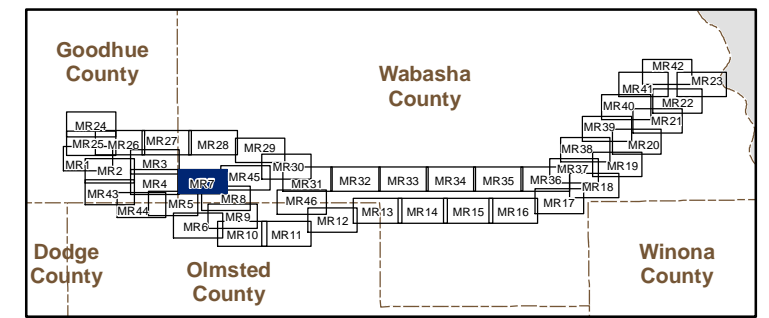


Barr Footer: ArcGIS 10.0.2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Mapa\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

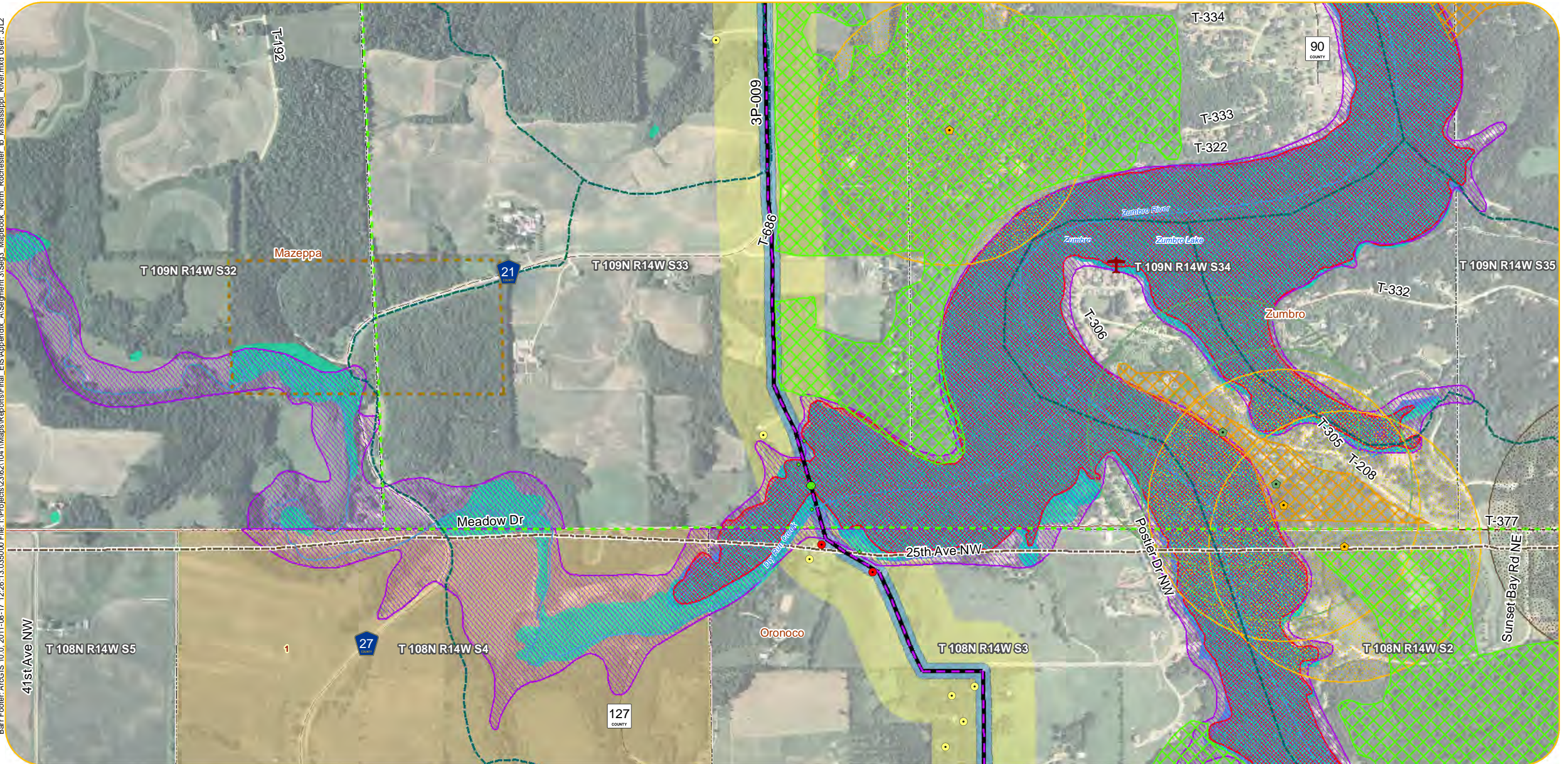


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 | | |

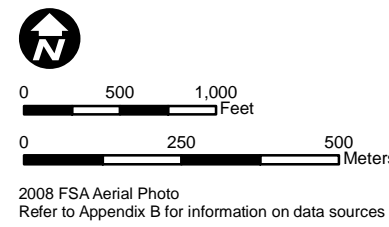
Appendix A - Sheet MR7
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



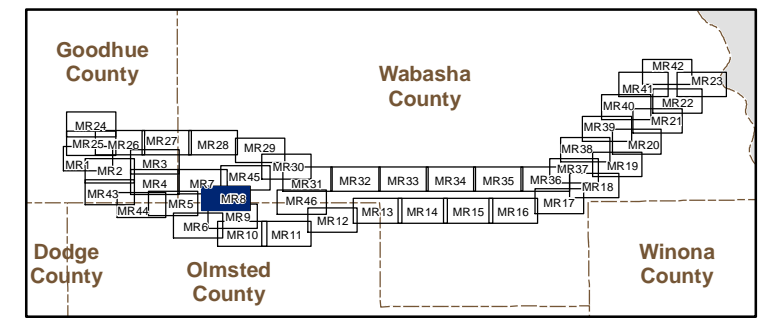
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2



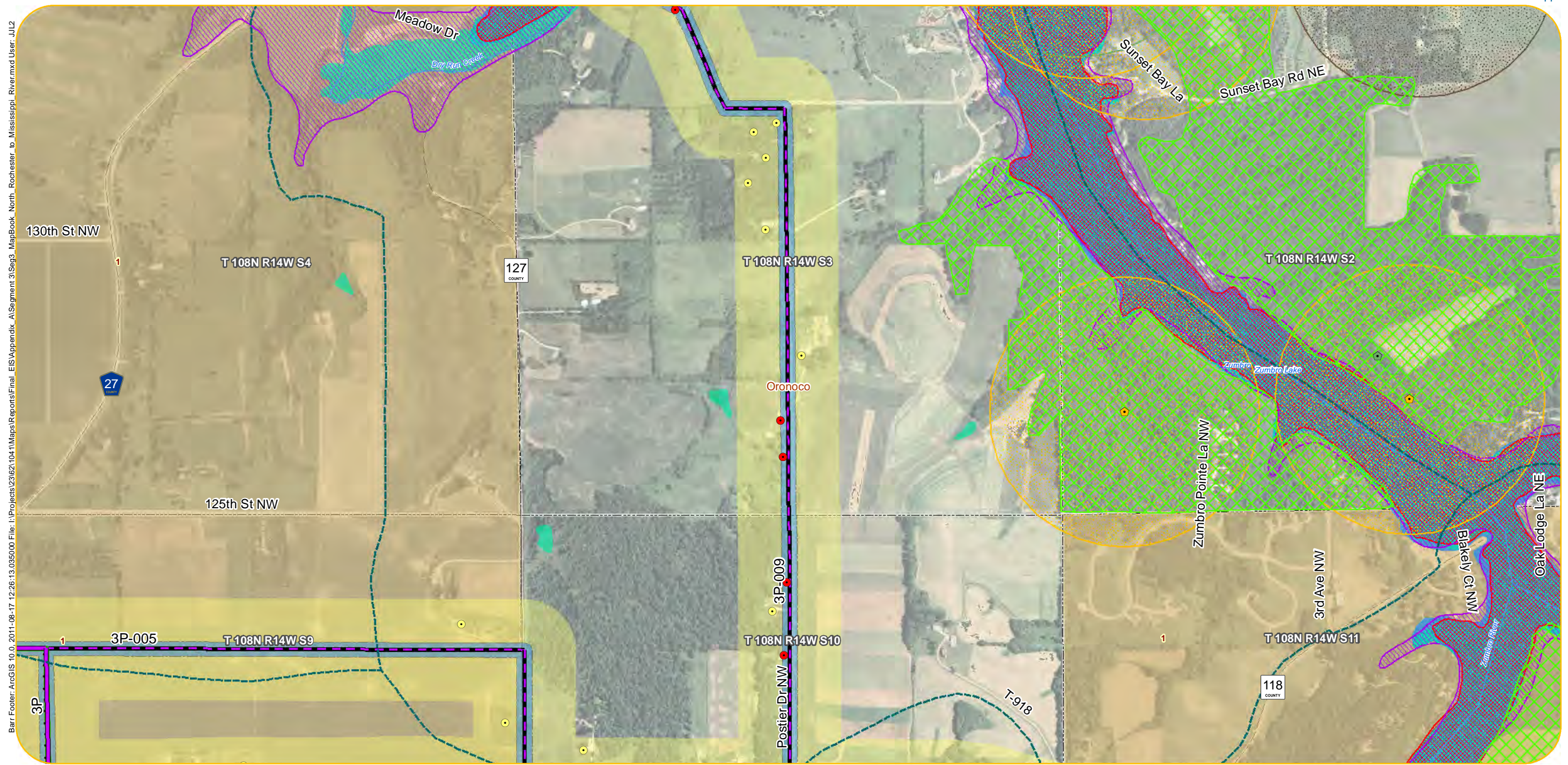
- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 | |



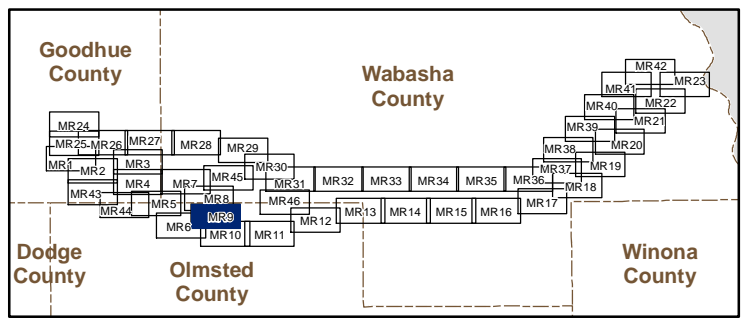
Appendix A - Sheet MR8
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



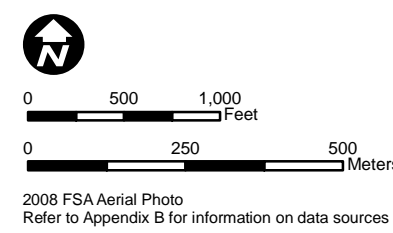
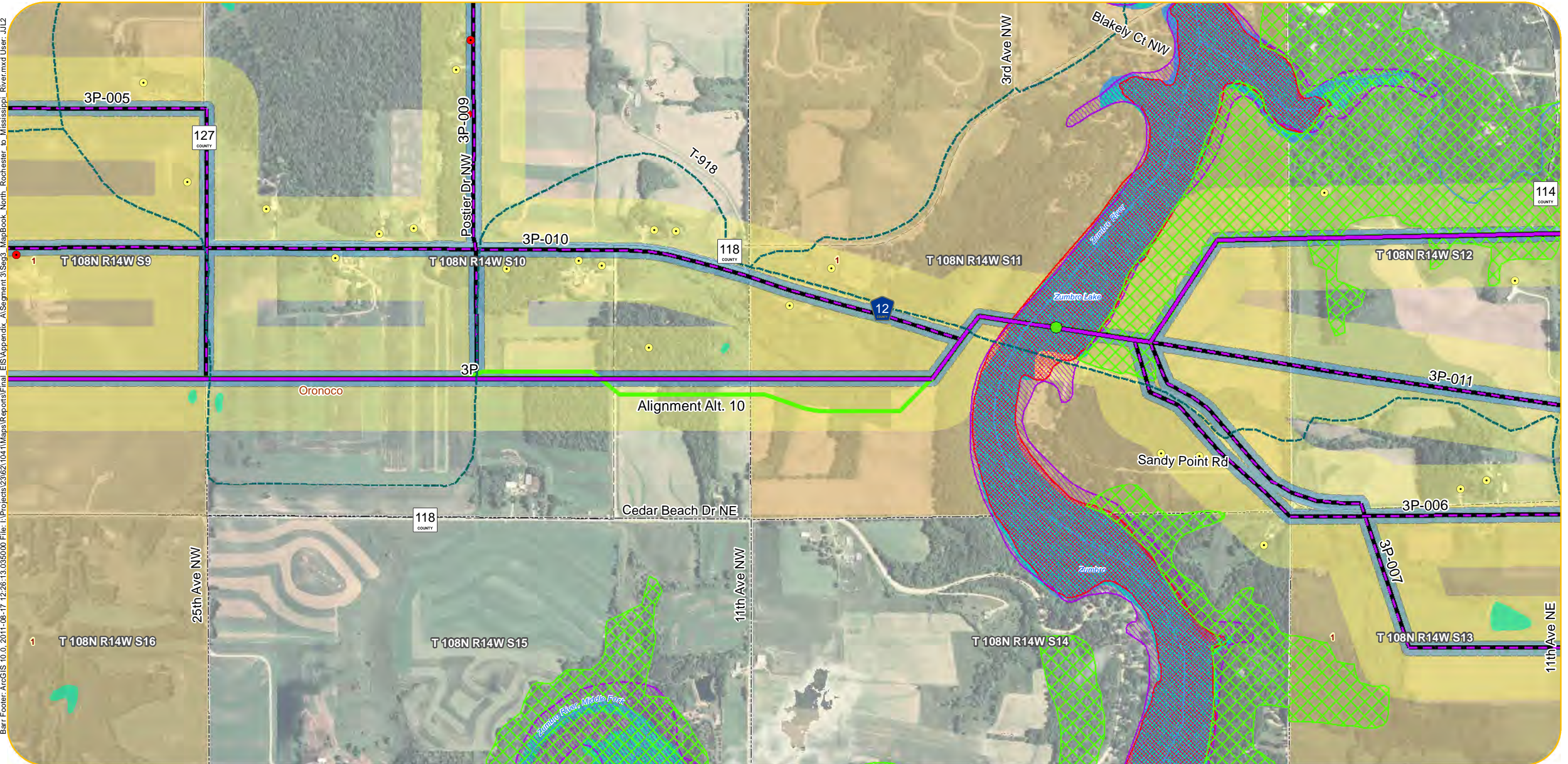
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Mapa\Reports\Final_EIS\Appendix_A\Segment_3\Sag3_MapBook_North_Rochester_b_Mississippi_River.mxd User: JJJ2



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

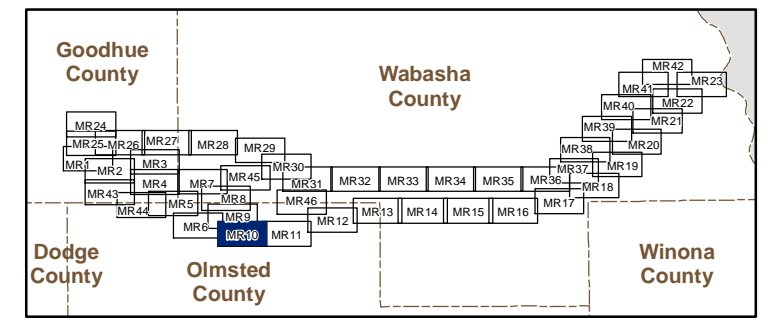


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

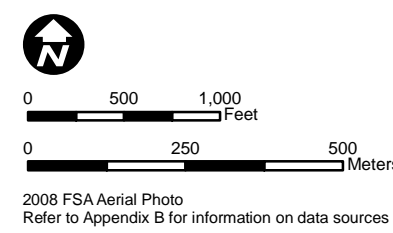
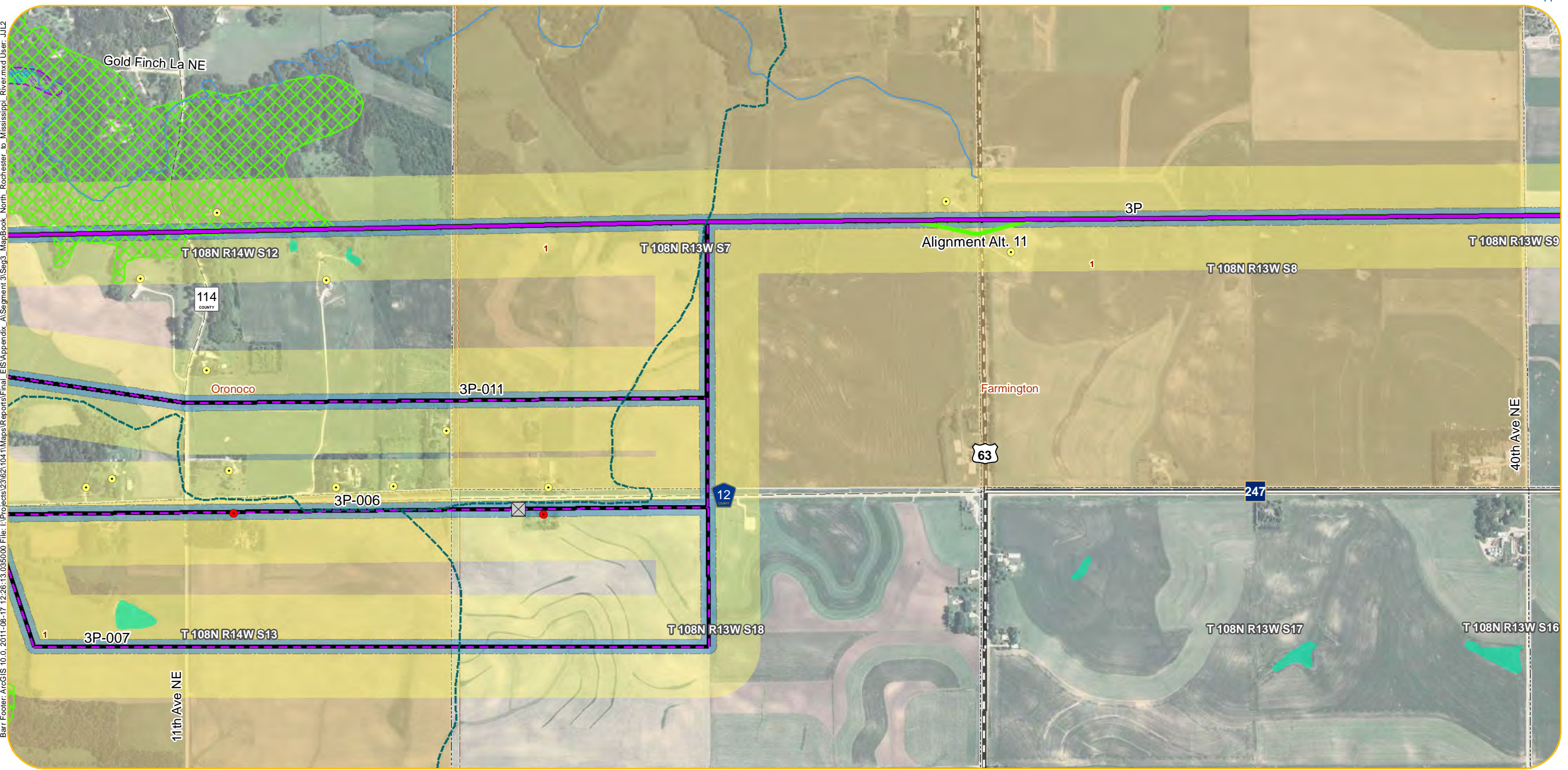


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 MR10
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

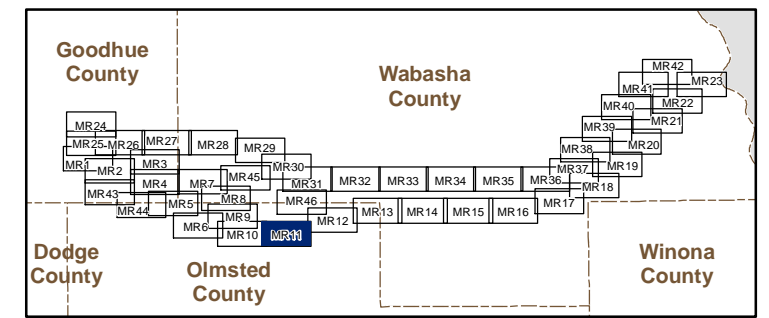


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\236210411\Mapa\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

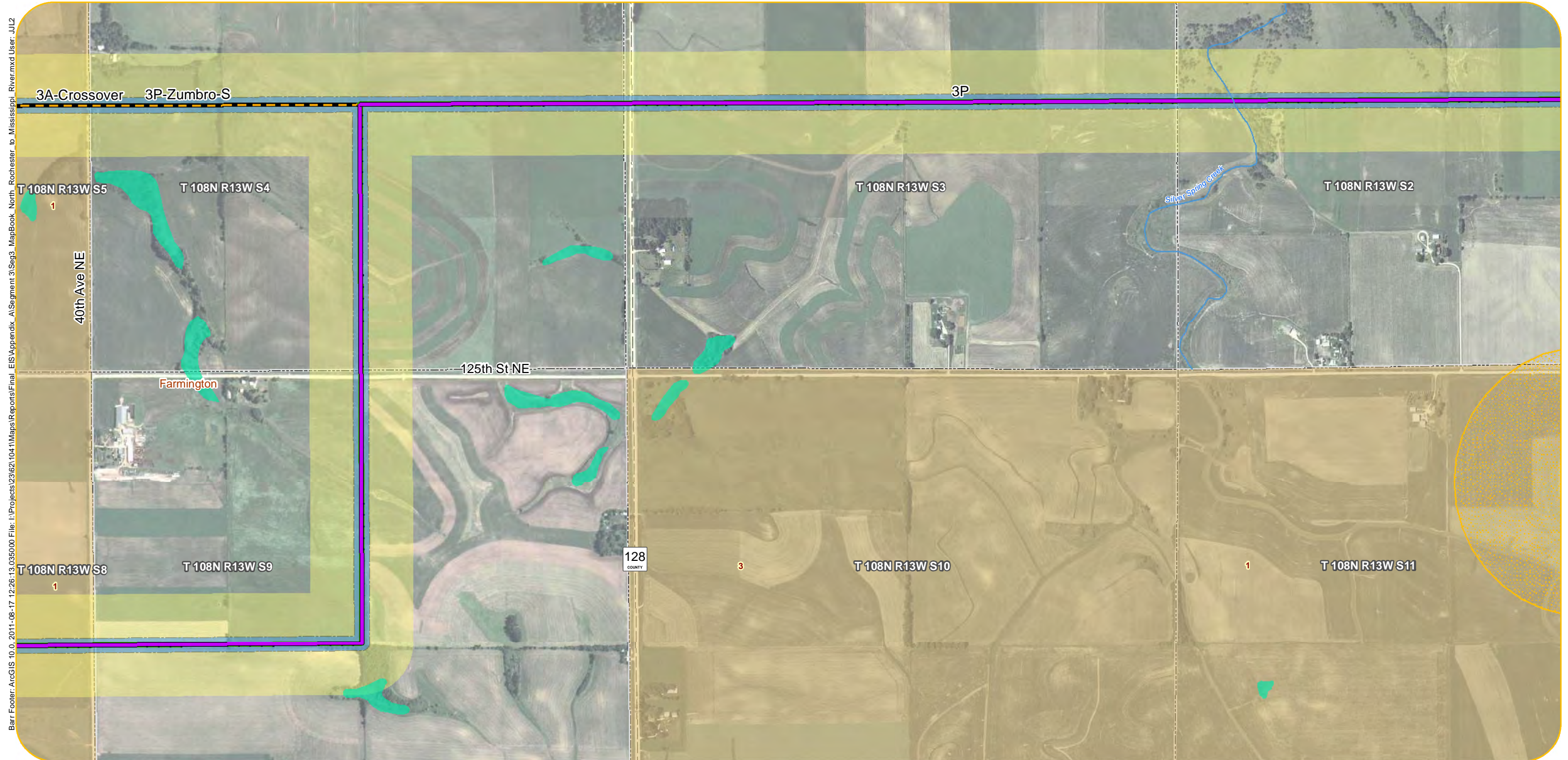


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 | | |

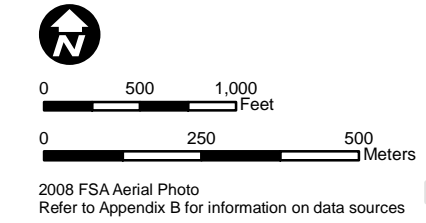
Appendix A - Sheet MR11
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



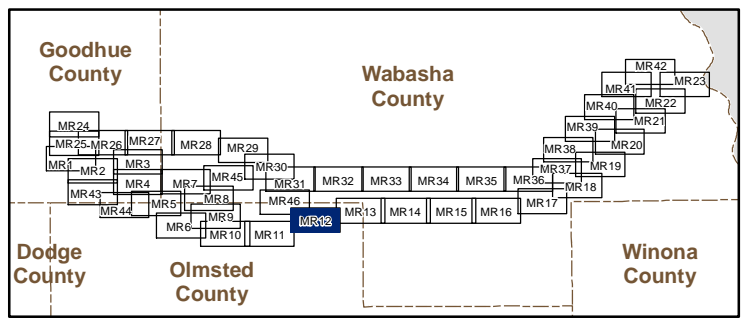
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2



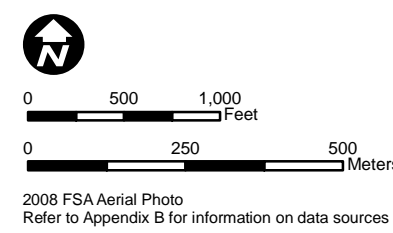
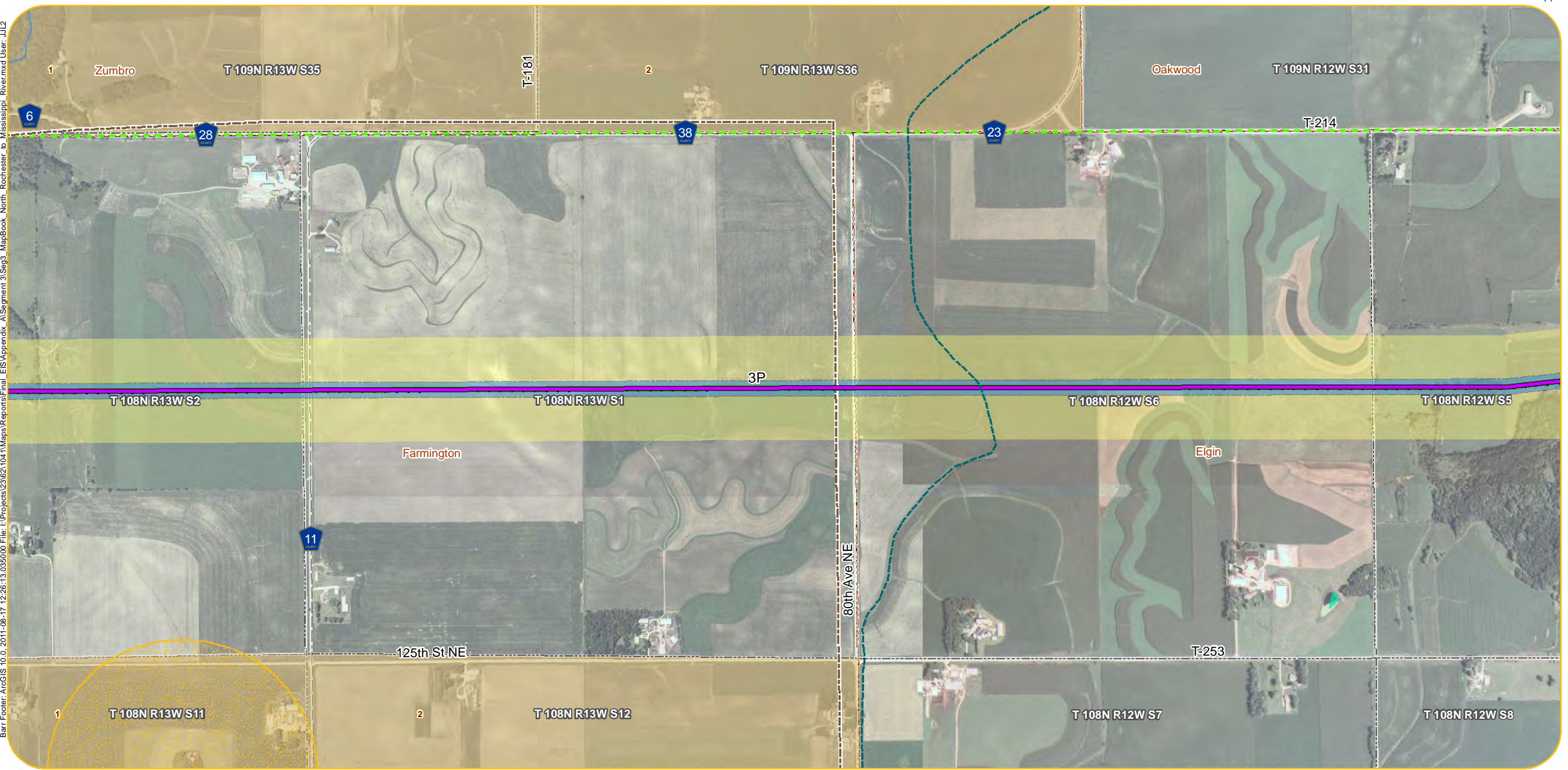
| | | | | |
|--|--|---|--|---|
| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both Parallel Alignment Alignment Alternatives 150-foot ROW 200-foot ROW 1,000-foot Route Width Municipalities 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 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 |
|--|--|---|--|---|



Appendix A - Sheet MR12
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

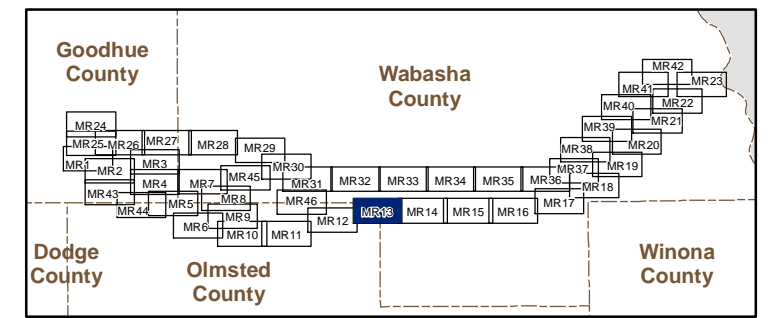


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester.msxd User: JJJ2

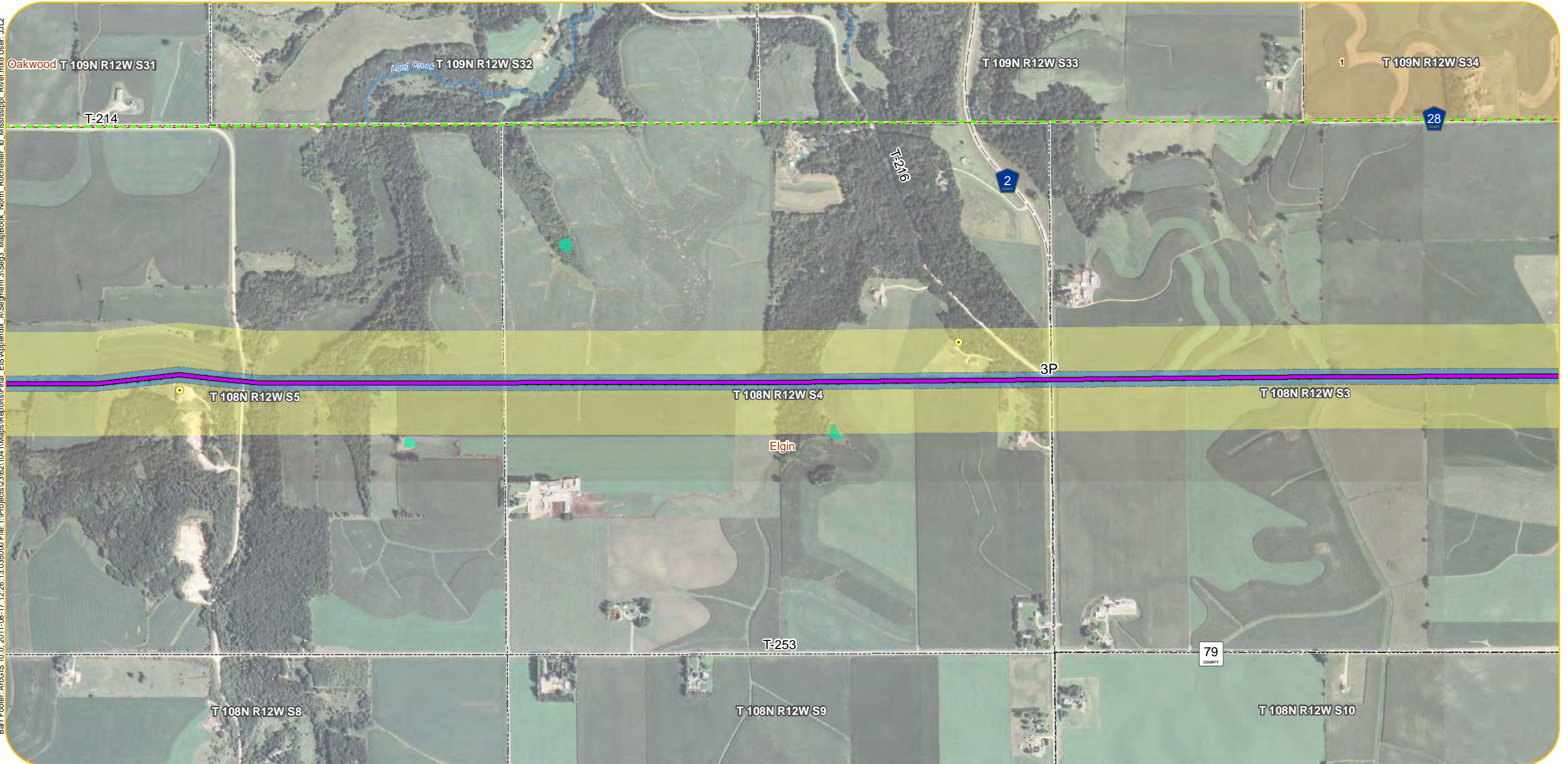


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 | | |

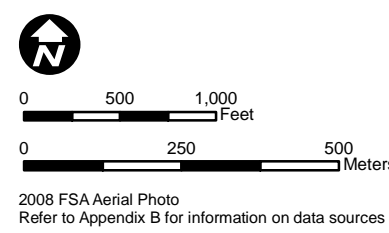
Appendix A - Sheet MR13
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



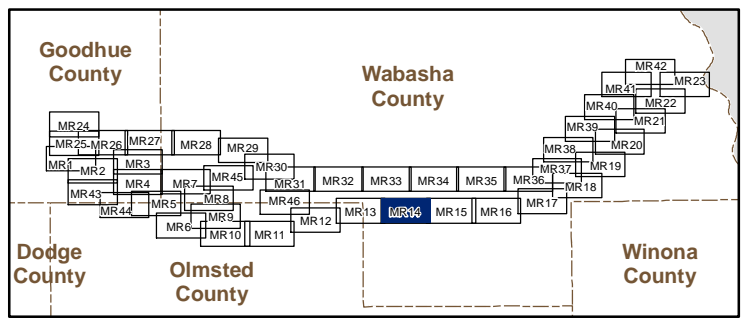
Barr Footer: ArcGIS 10.0_2011-08-17 12:26:13.035000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2



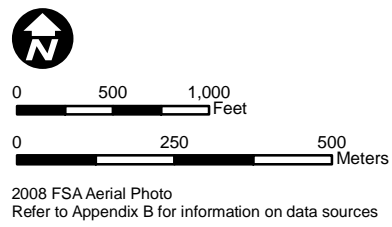
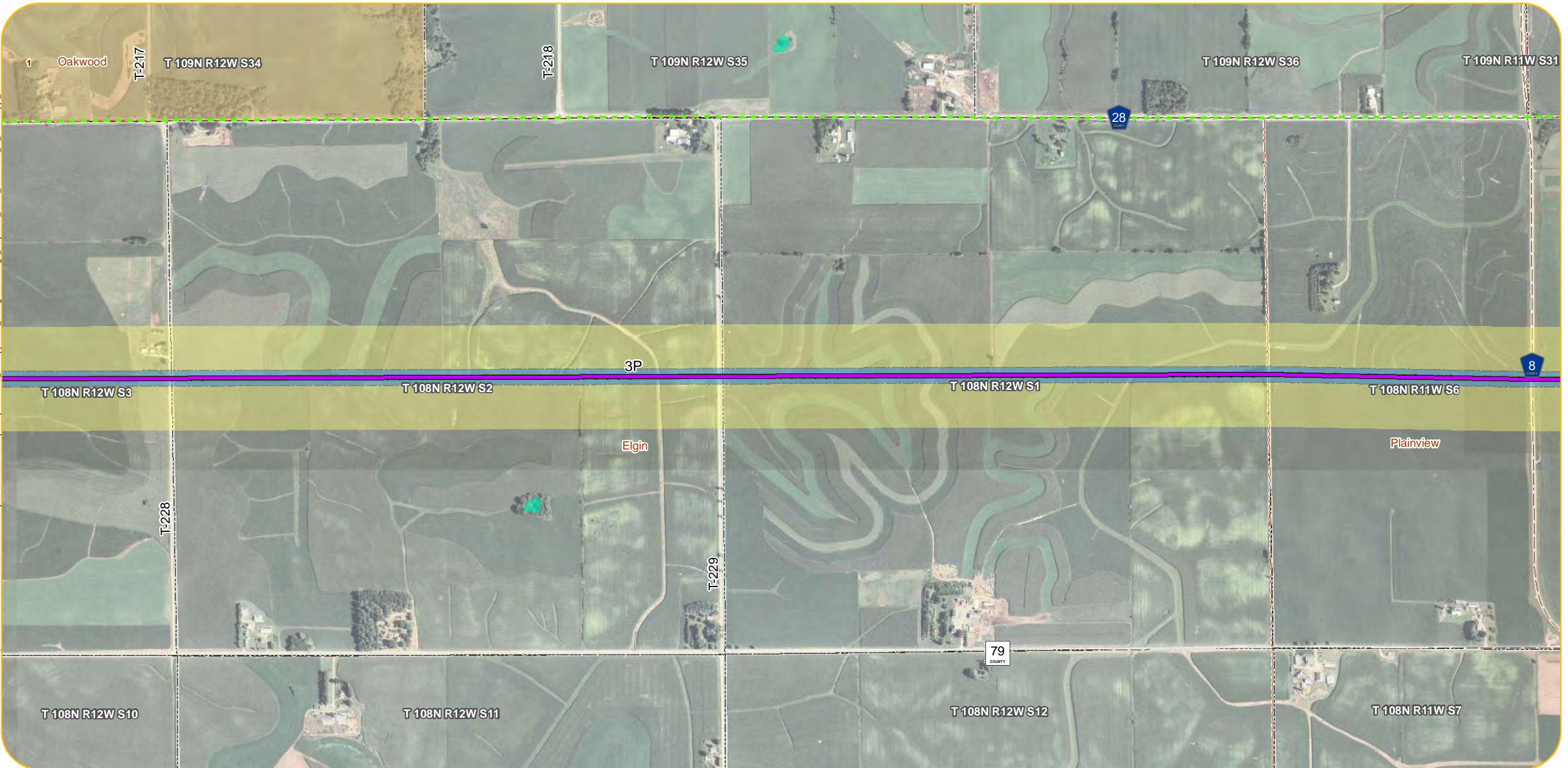
| | | | | |
|--|--|--|--|---|
| <p>Original Alignments</p> <ul style="list-style-type: none"> P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both Parallel Alignment Alignment Alternatives 150-foot ROW 200-foot ROW 1,000-foot Route Width Municipalities 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 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 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 |
|--|--|--|--|---|



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

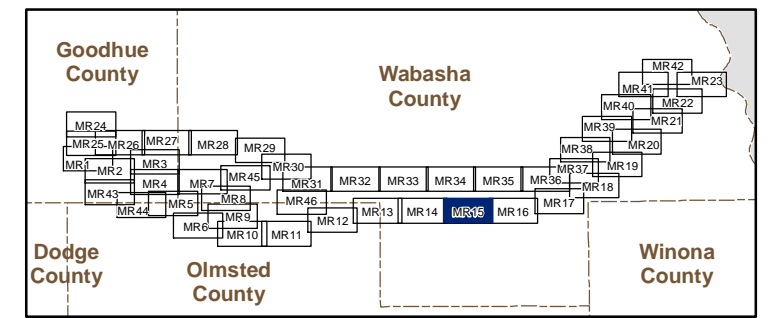


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

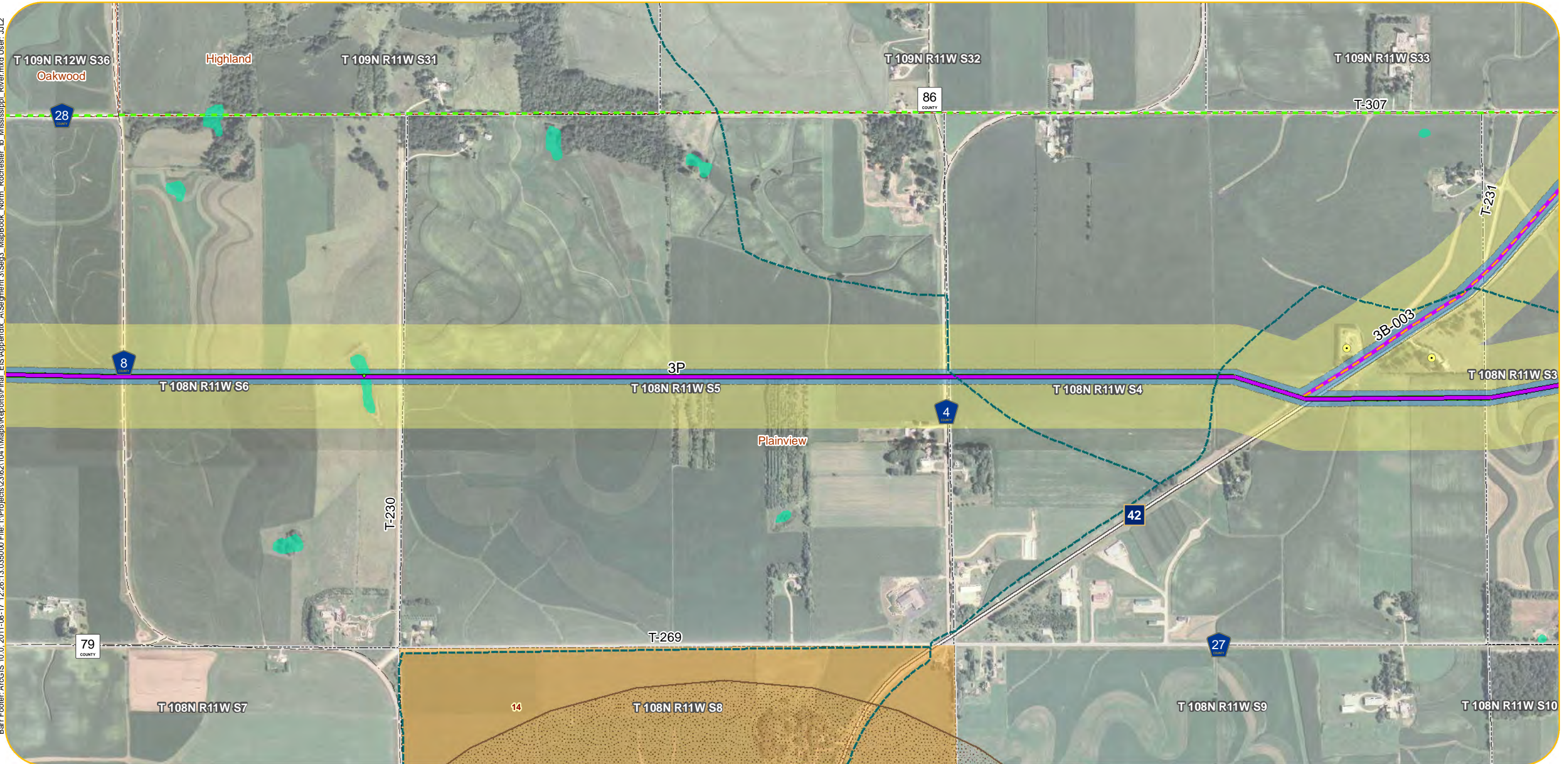


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 | | |

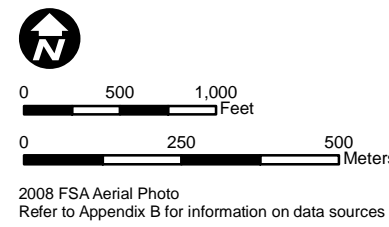
Appendix A - Sheet MR15
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



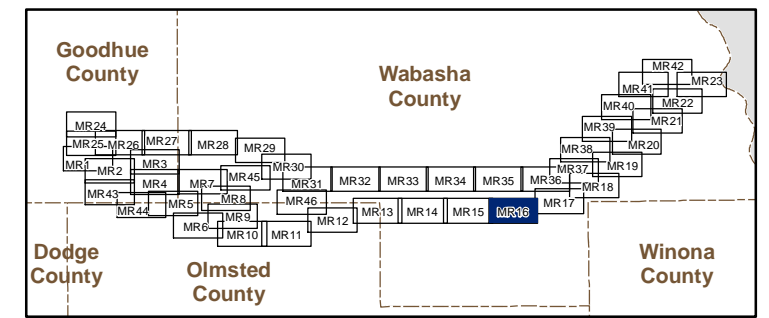
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Seg3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2



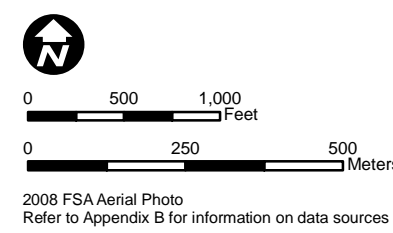
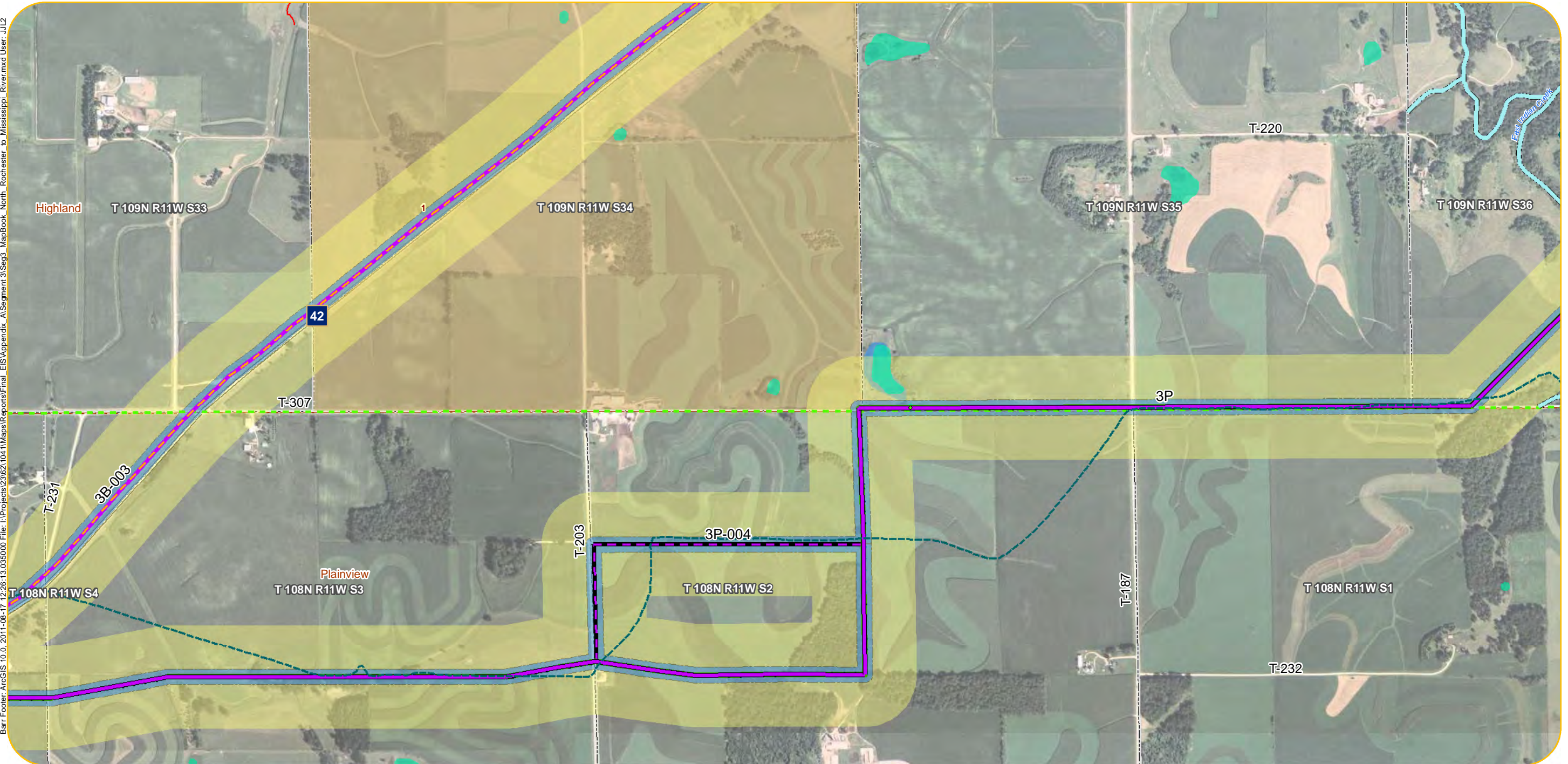
- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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

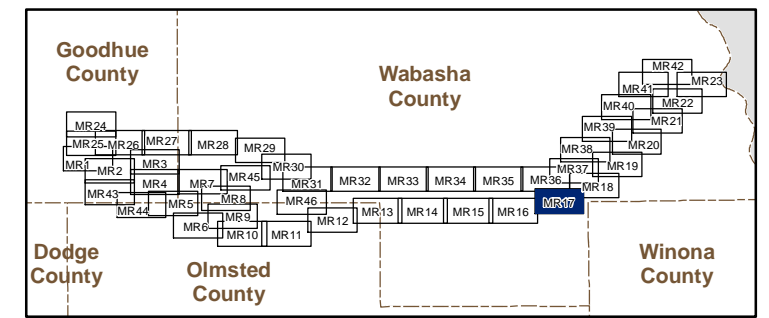


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Seg3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

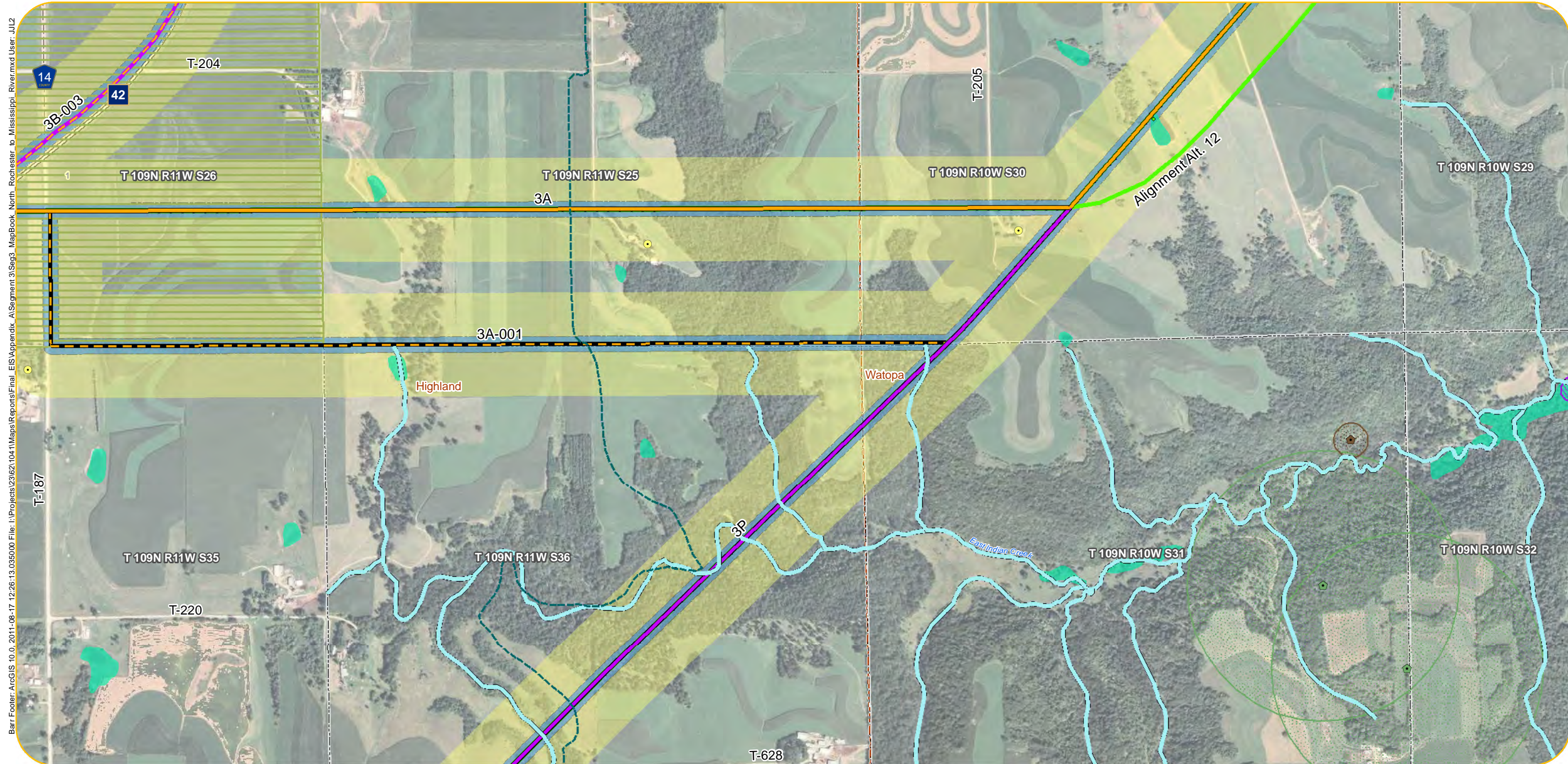


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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



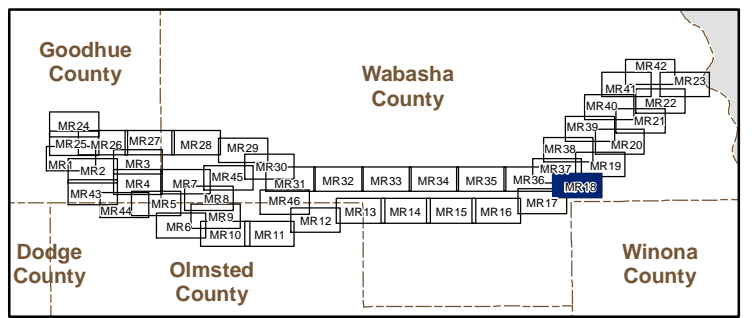
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2



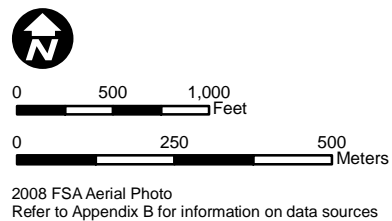
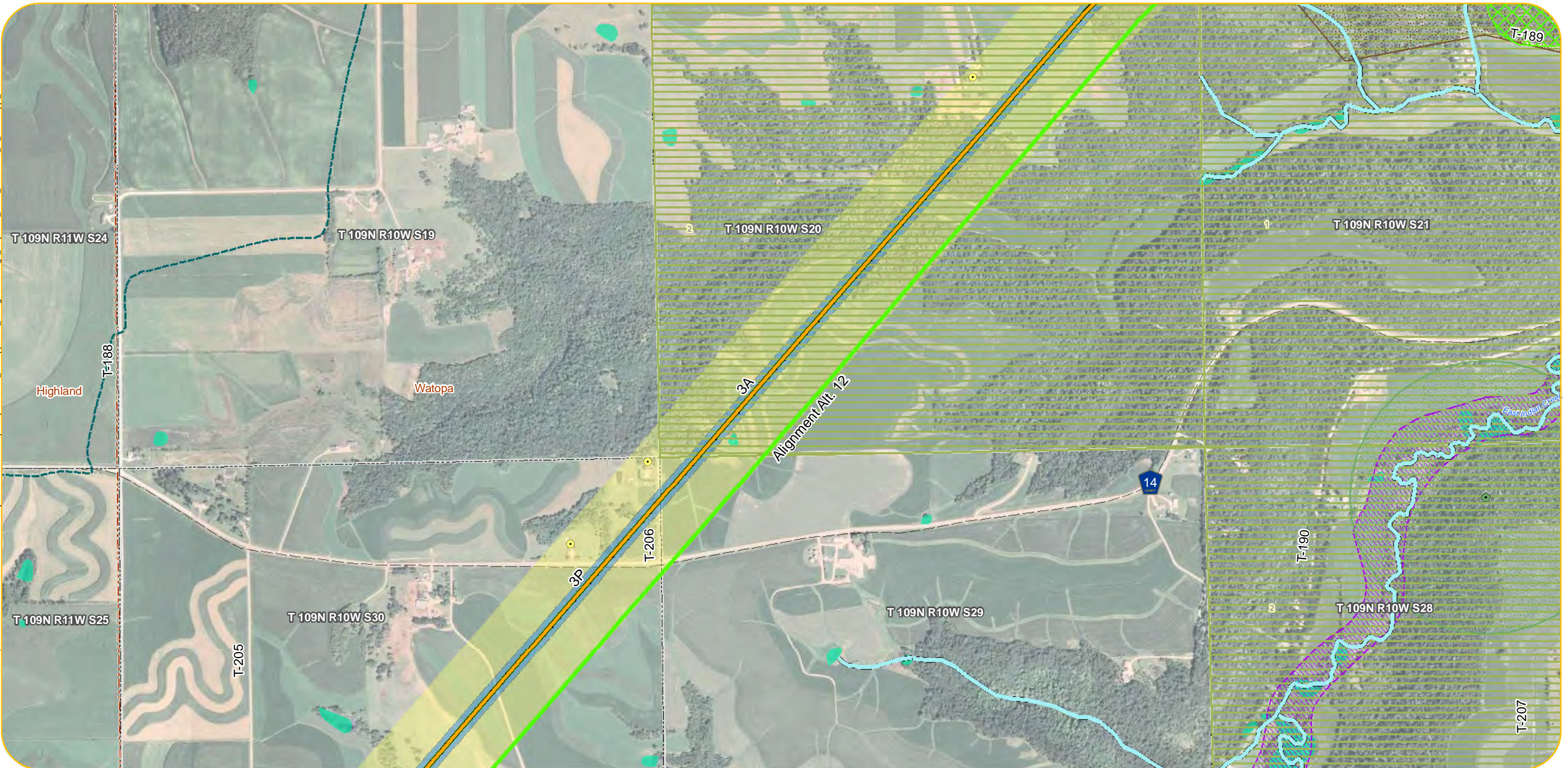
- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 MR18
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

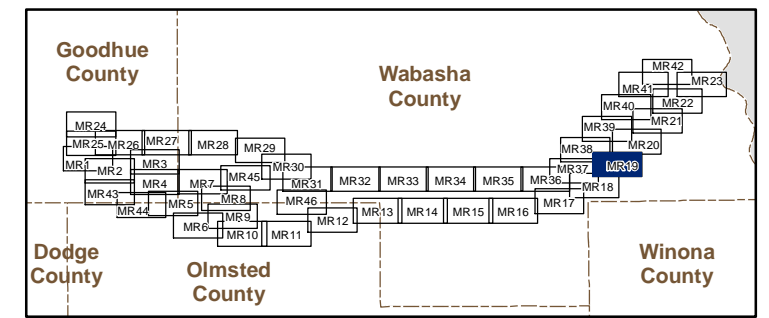


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix_A\Segment_3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

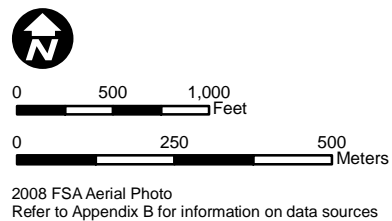
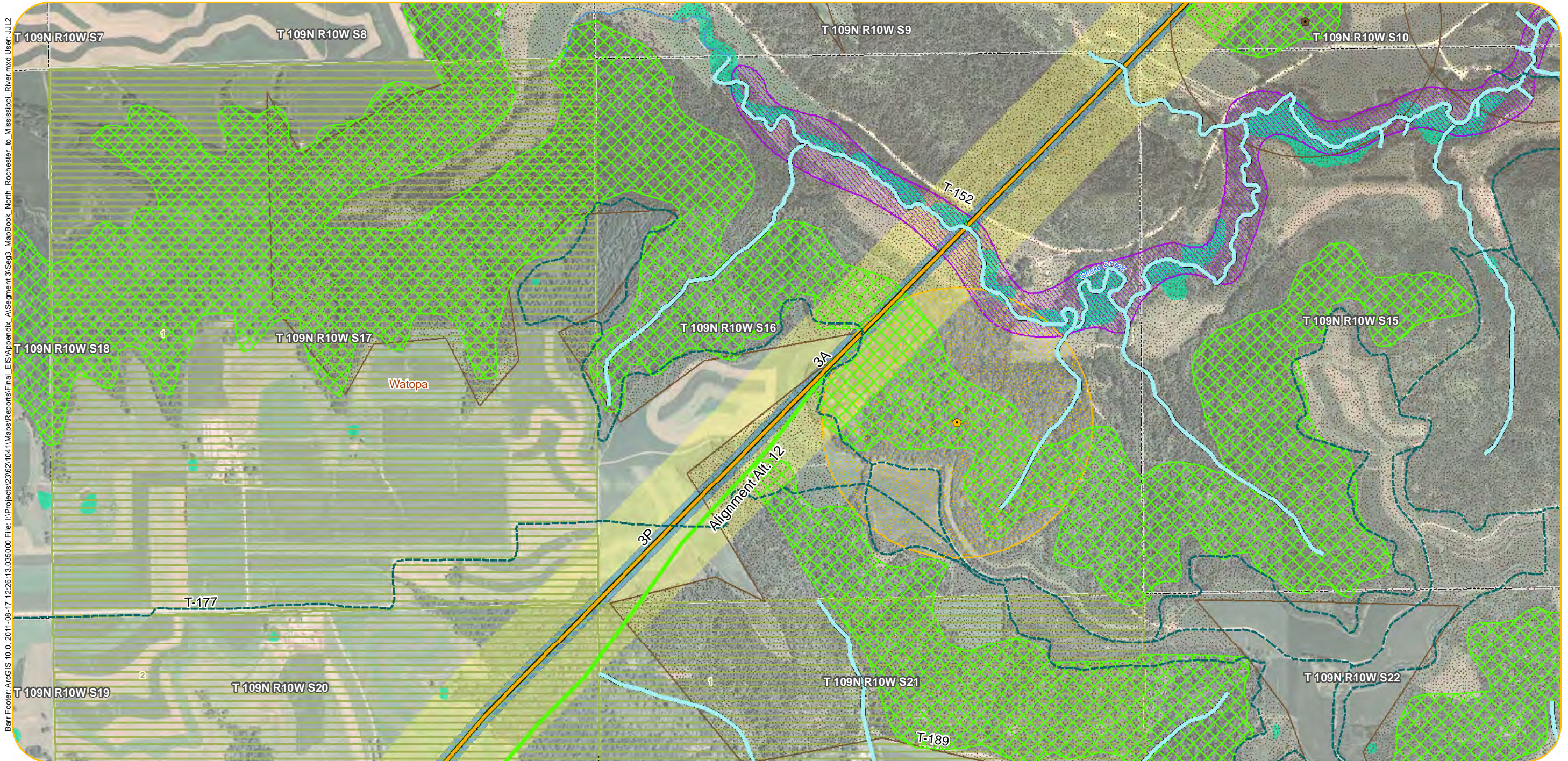


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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

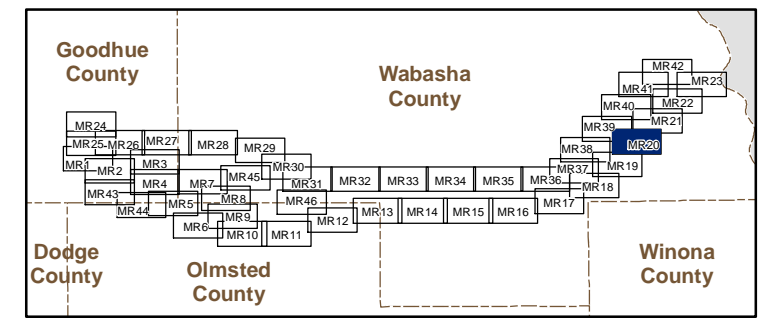


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

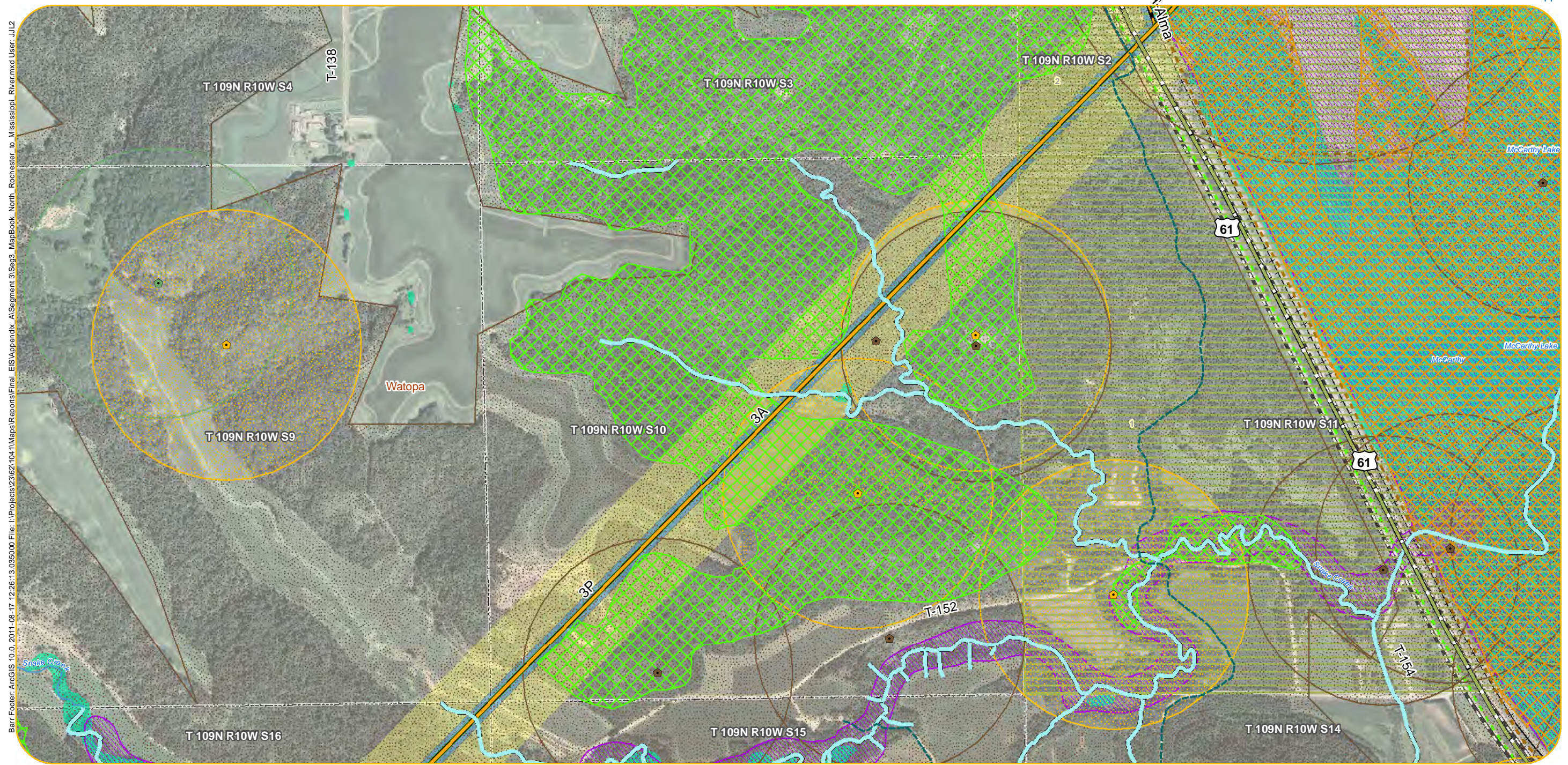


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 | | |
| | | | | |

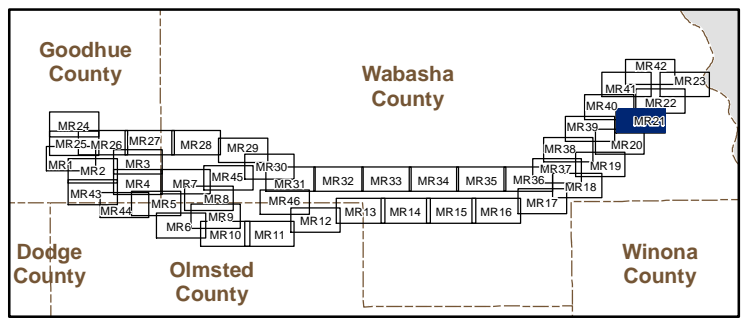
Appendix A - Sheet MR20
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



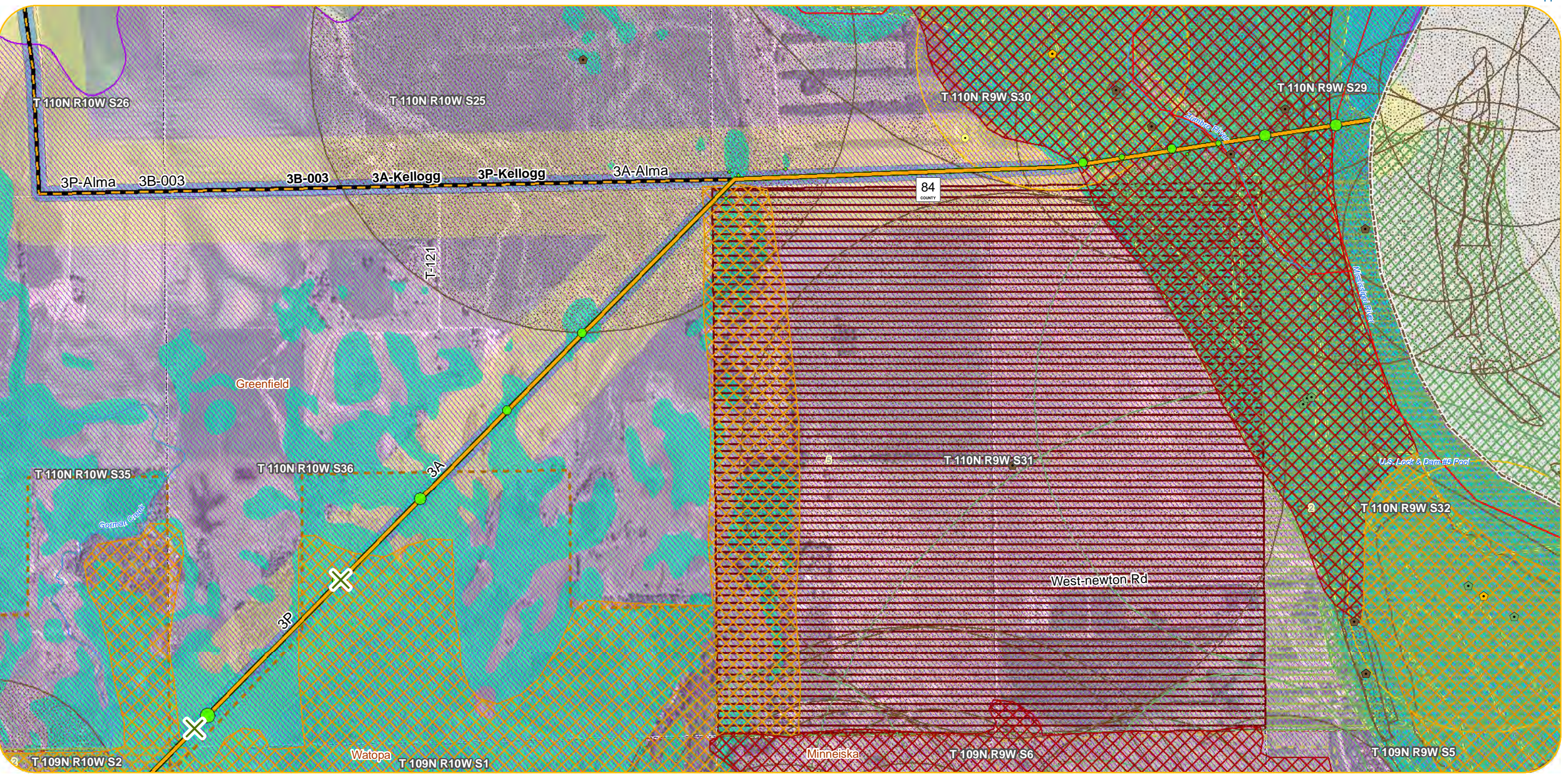
Barr Footer: ArcGIS 10.0.2011.08.17 12:26:13.035000 File: I:\Projects\23621041\MapReports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2



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

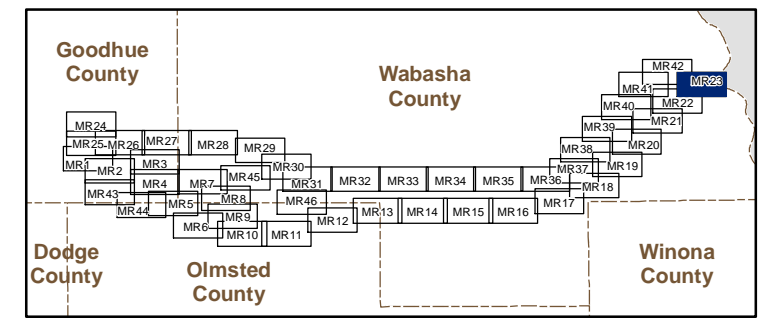


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Mapa\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

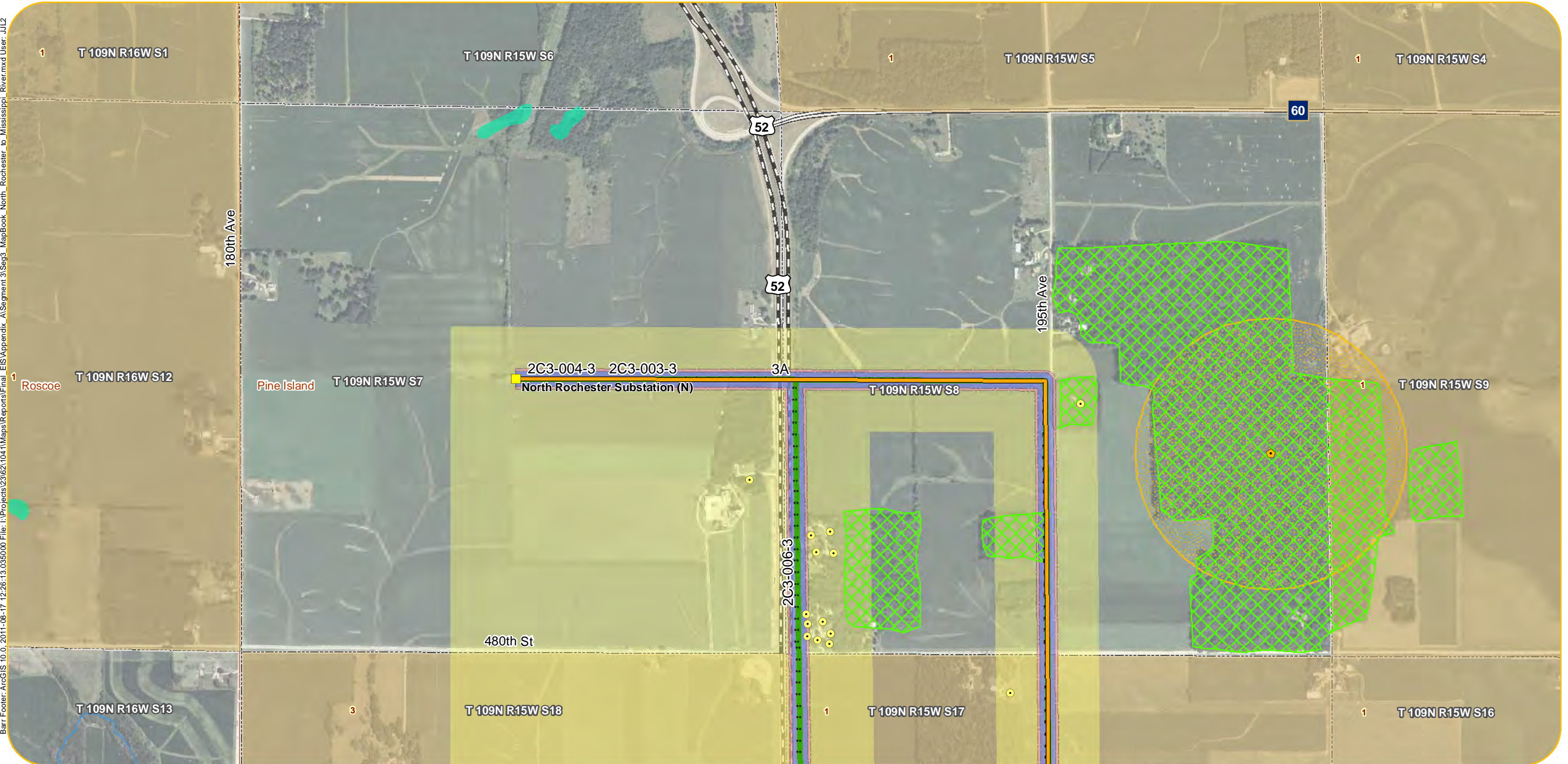


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 MR23
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



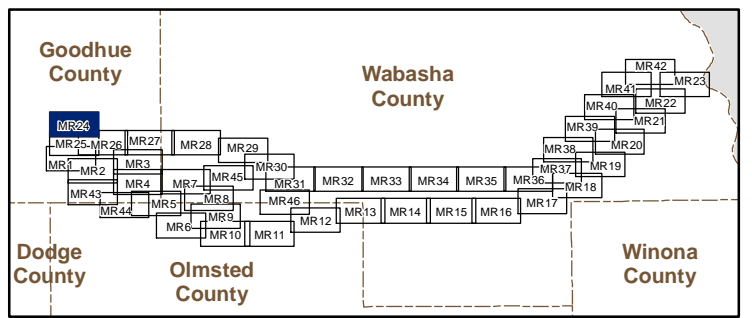
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Mapa\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_b_Mississippi_River.mxd User: JJJ2



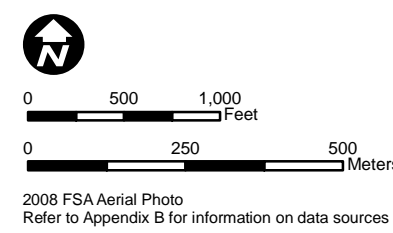
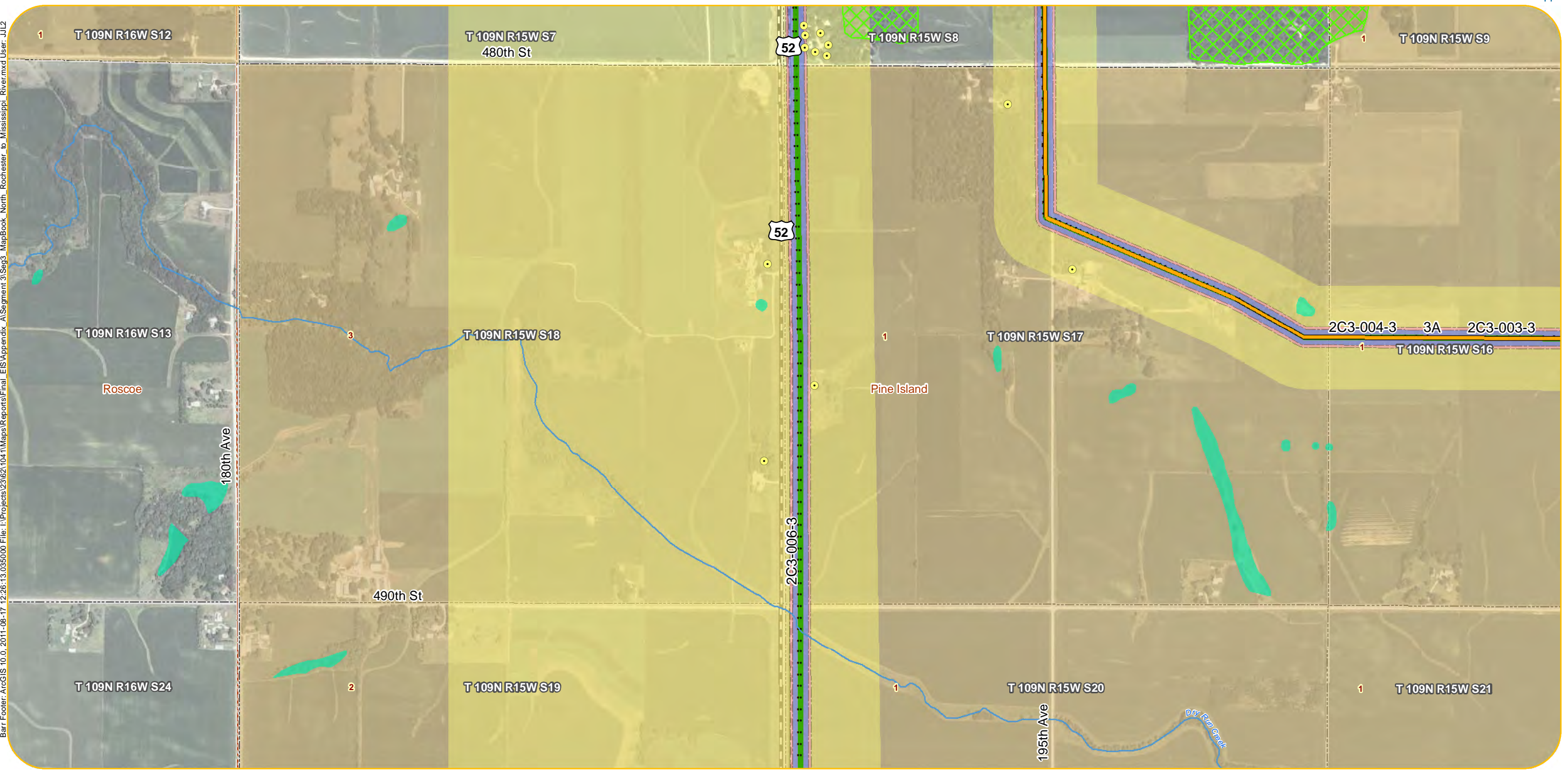
- | | | | | |
|--|---|---|--|---|
| <ul style="list-style-type: none"> Original Alignments P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both Parallel Alignment Alignment Alternatives 150-foot ROW 200-foot ROW 1,000-foot Route Width Municipalities 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 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 MR24
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

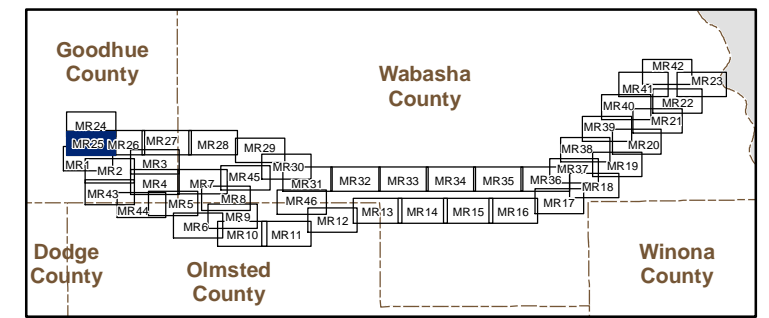


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Mapa\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_b_Mississippi_River.mxd User: JJJ2

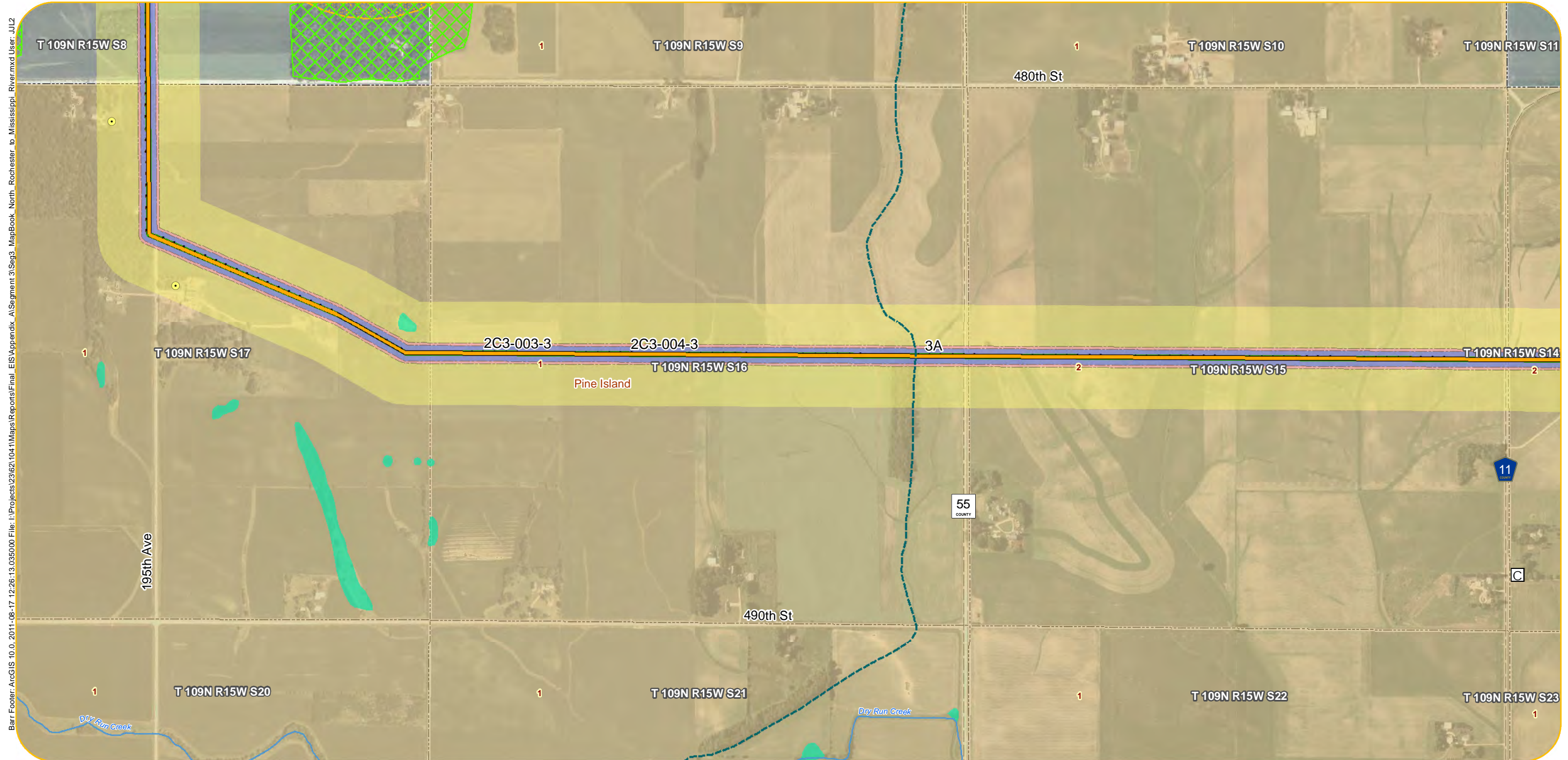


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 | | |

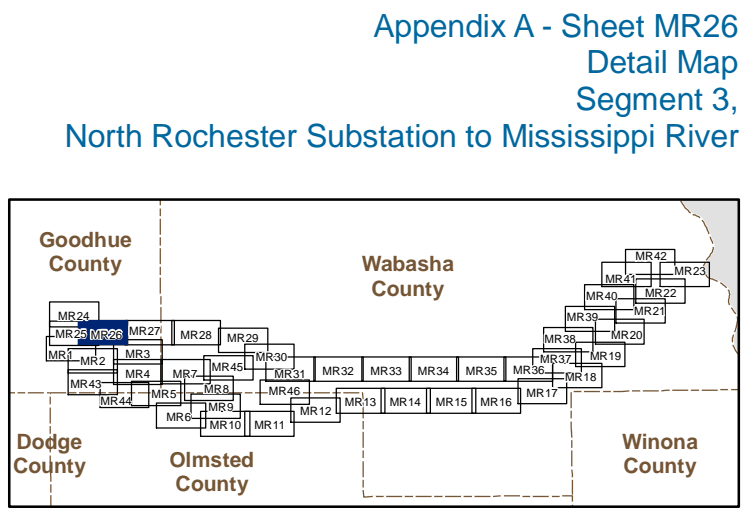
Appendix A - Sheet MR25
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



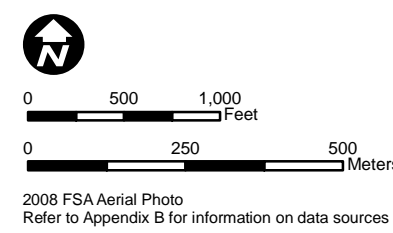
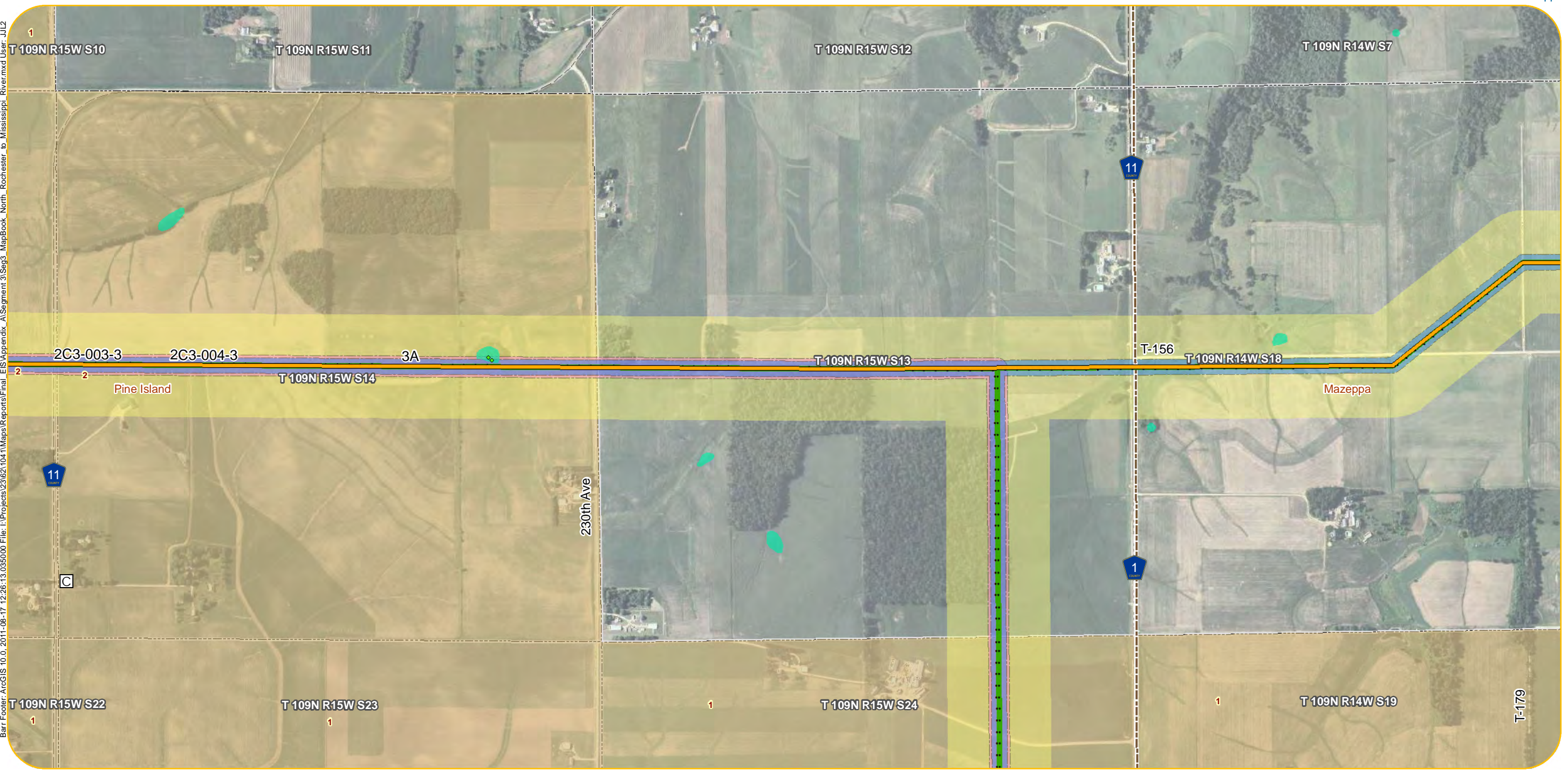
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Seg3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2



- | | | | | |
|--|--|--|--|---|
| <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 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 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 |
|--|--|--|--|---|

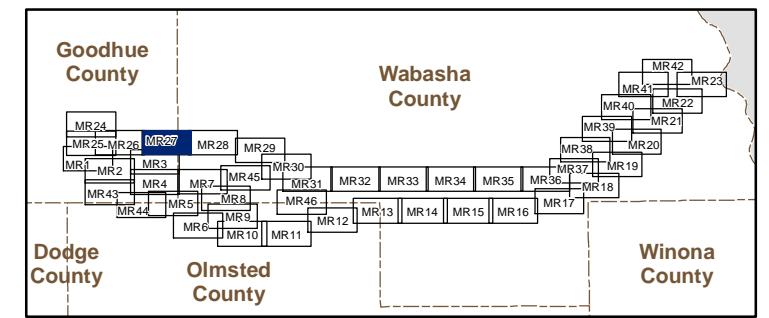


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Seg3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

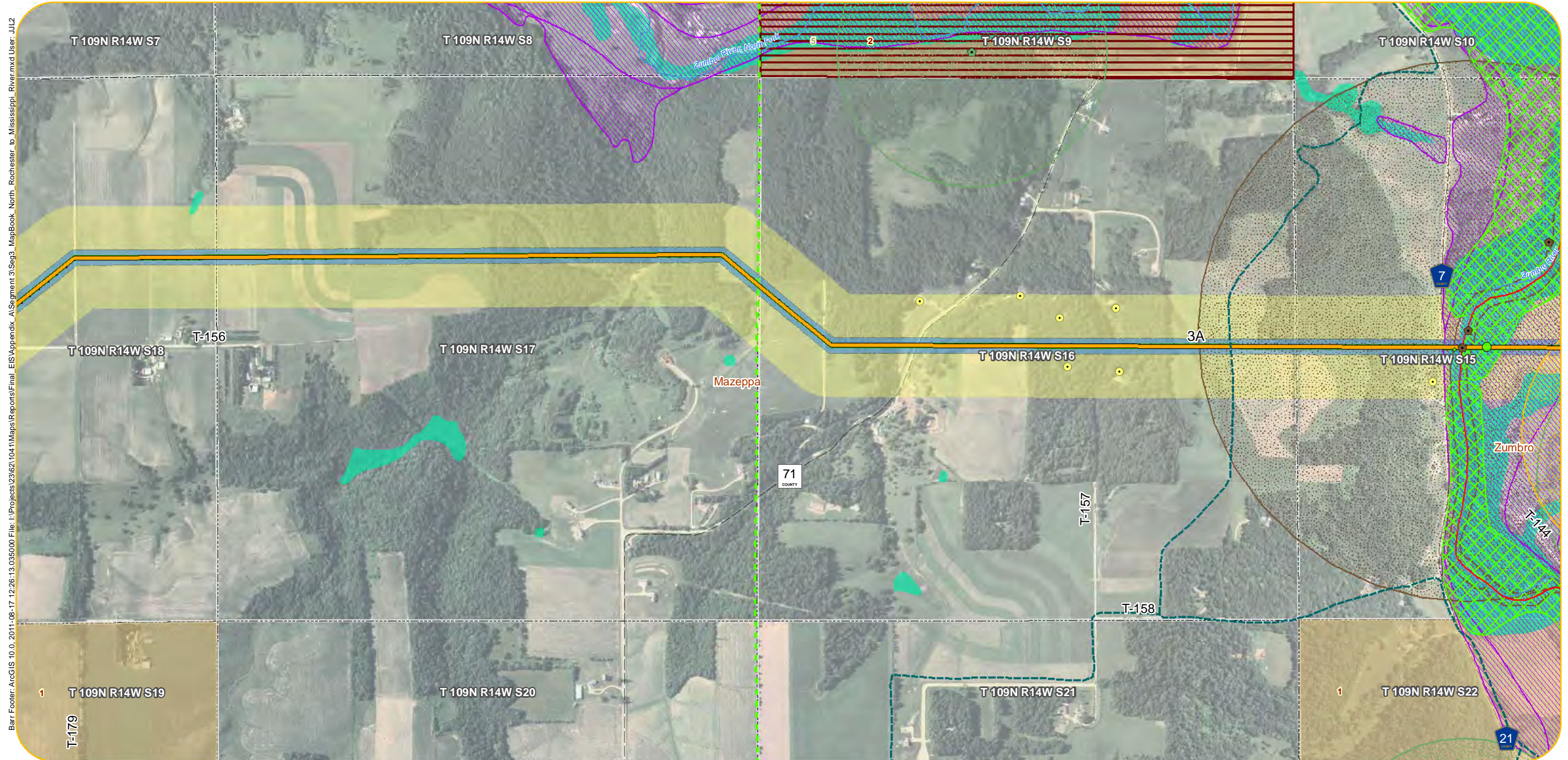


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 MR27
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



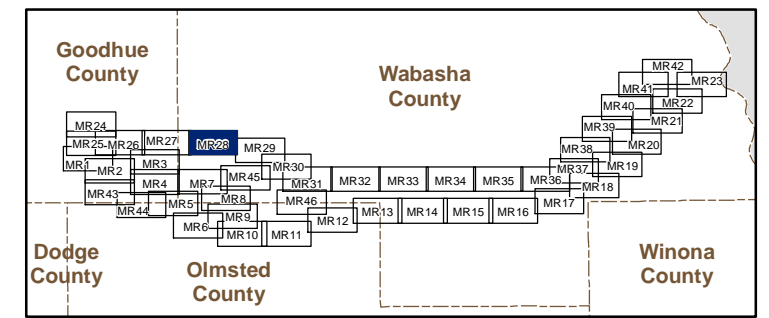
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.055000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Seg3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

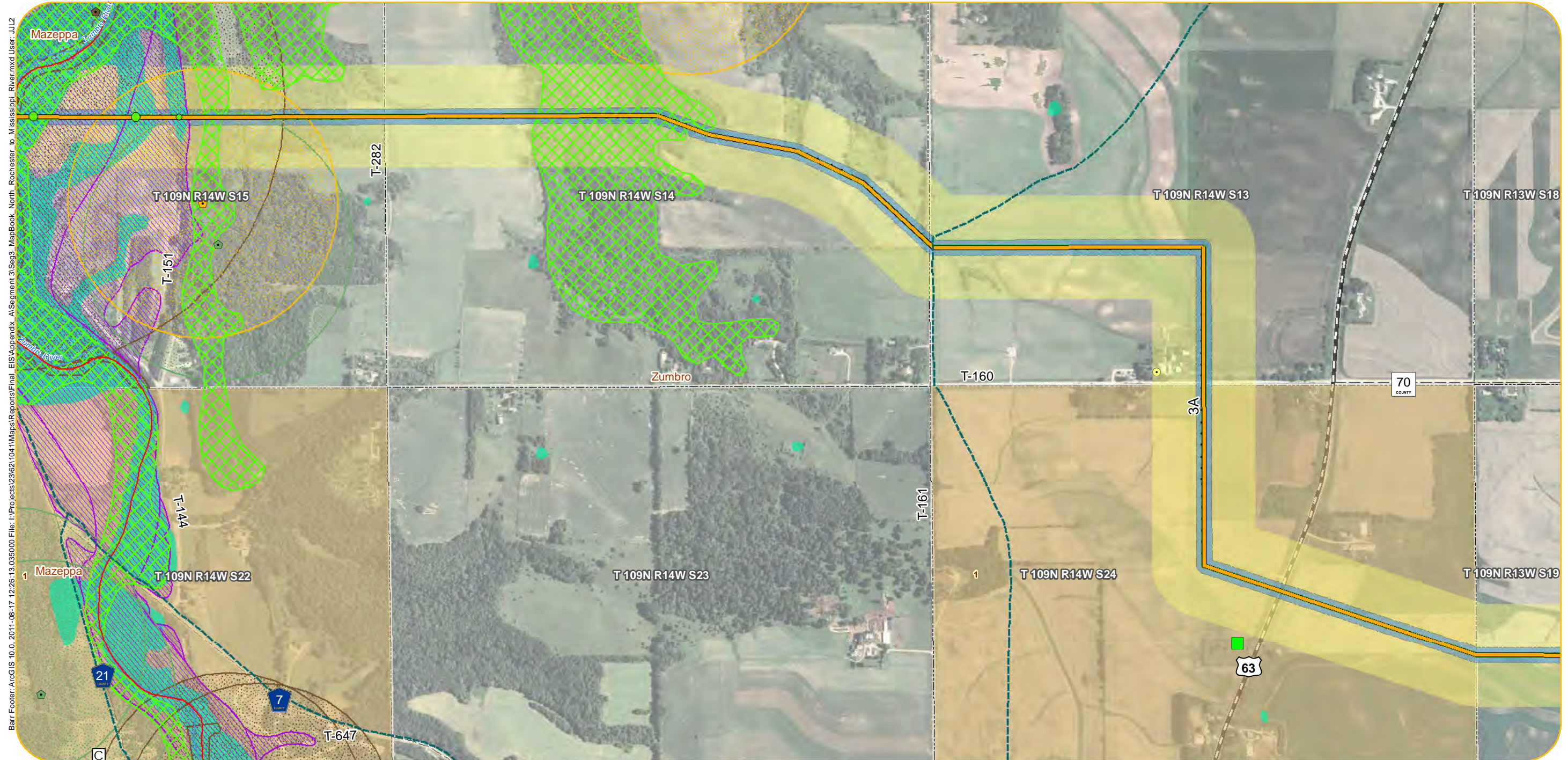


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 MR28
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



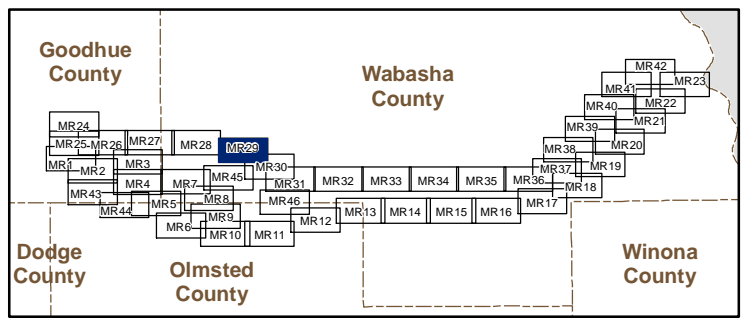


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Mapa\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

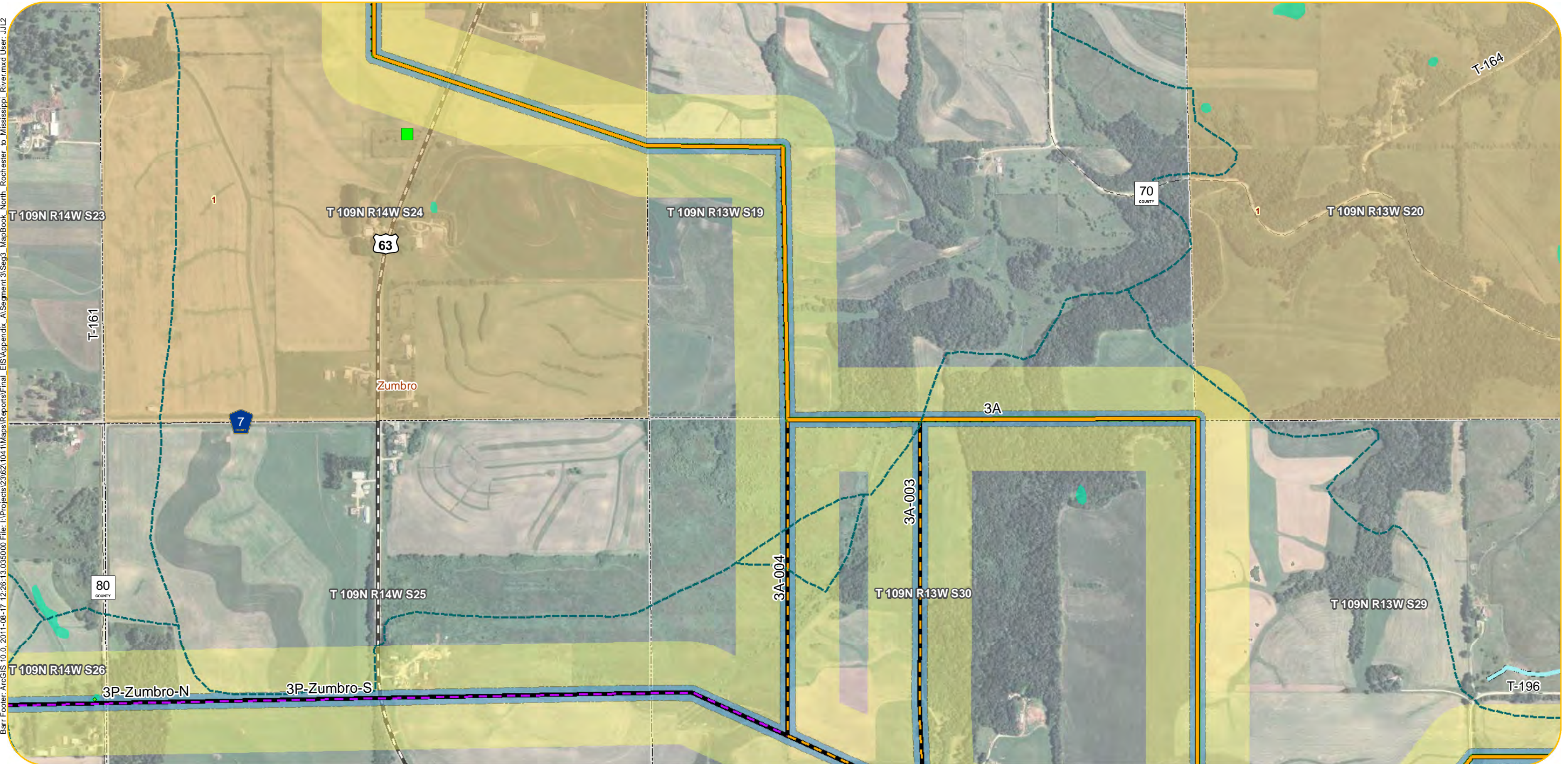
- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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



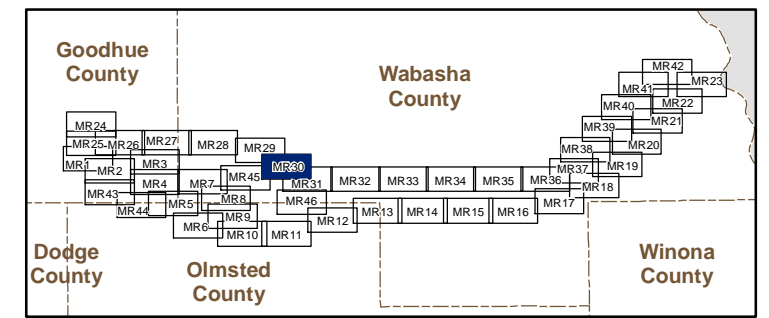
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Seg3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

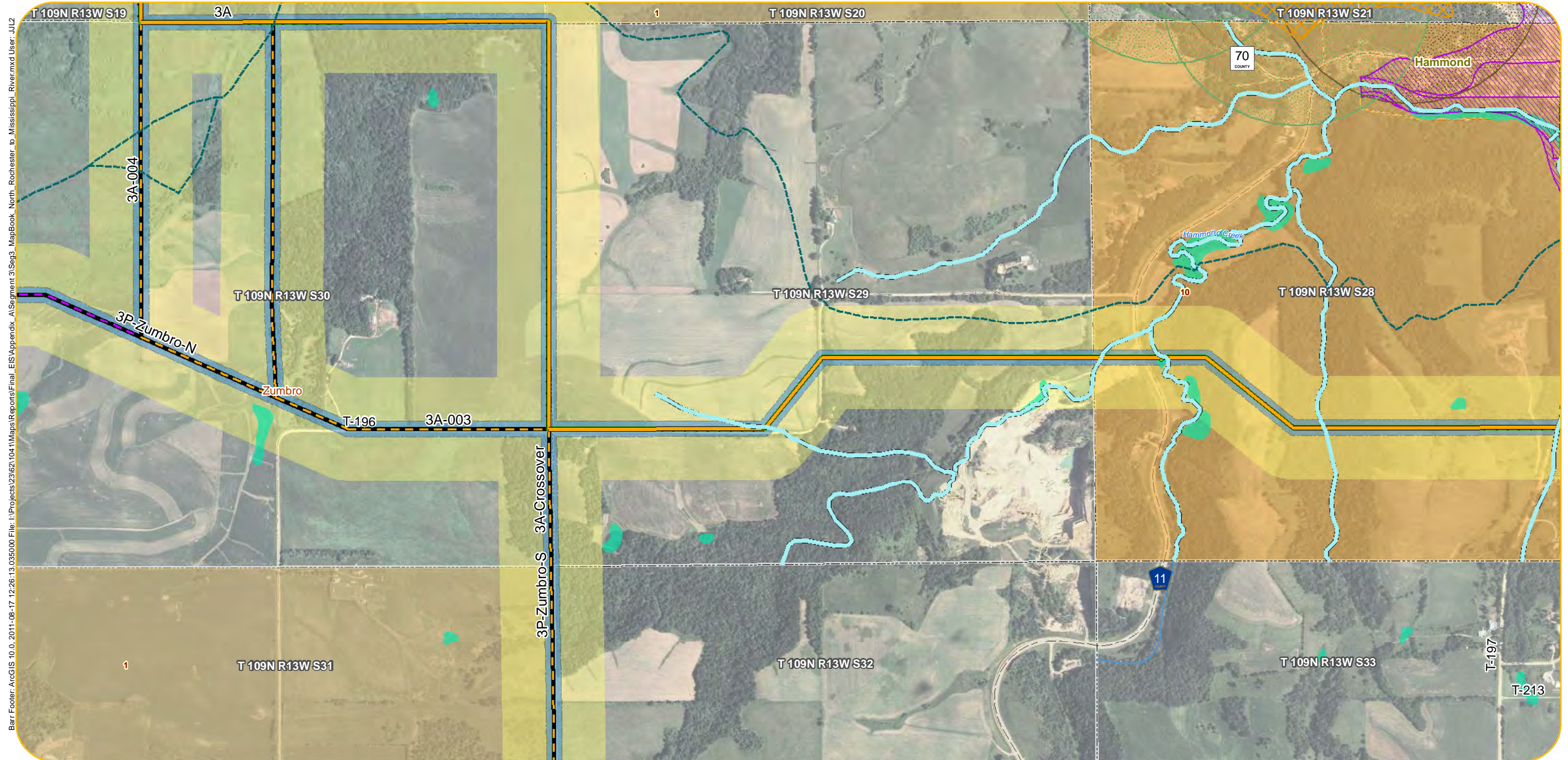


- | | | | | |
|--|---|---|--|---|
| <ul style="list-style-type: none"> Original Alignments P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both Parallel Alignment Alignment Alternatives 150-foot ROW 200-foot ROW 1,000-foot Route Width Municipalities 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 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 MR30
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



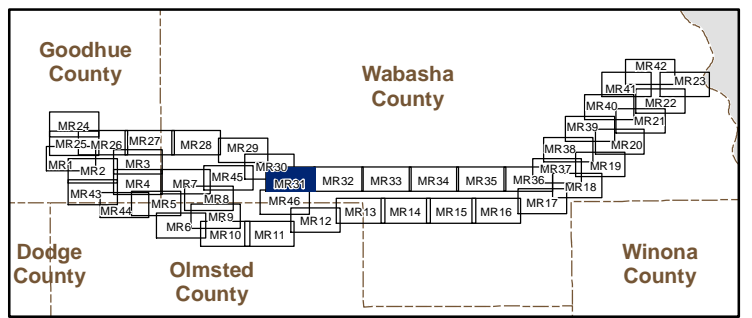


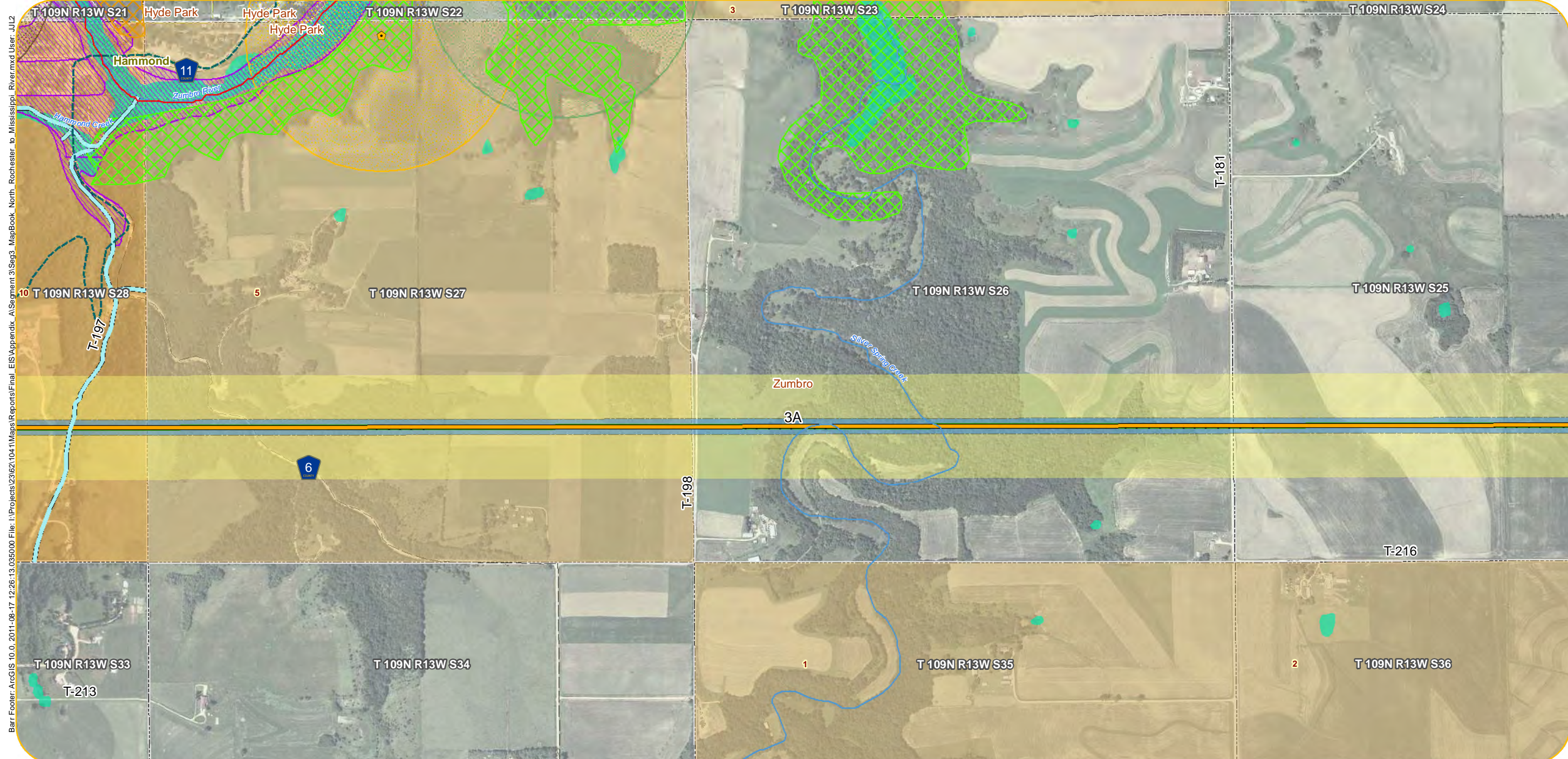
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\MapReports\Final_EIS\Appendix A\Segment 3\Seg3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ

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



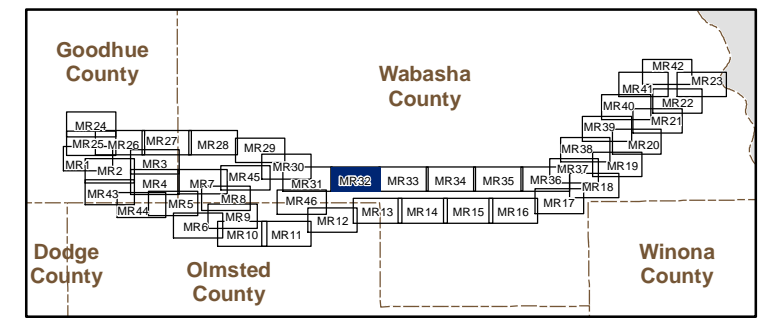


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

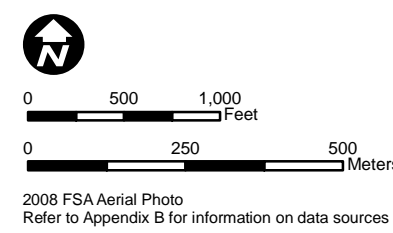
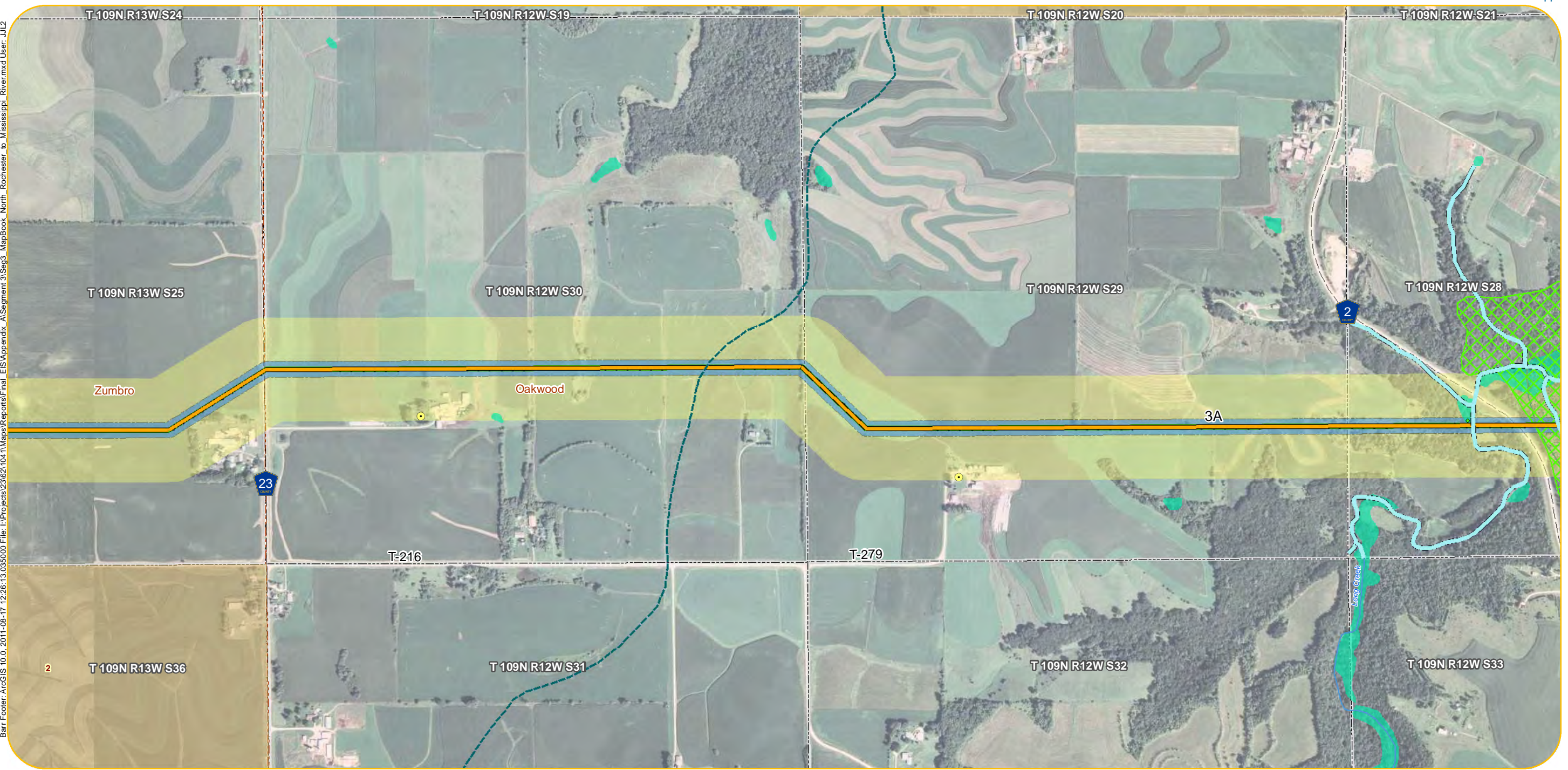
- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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

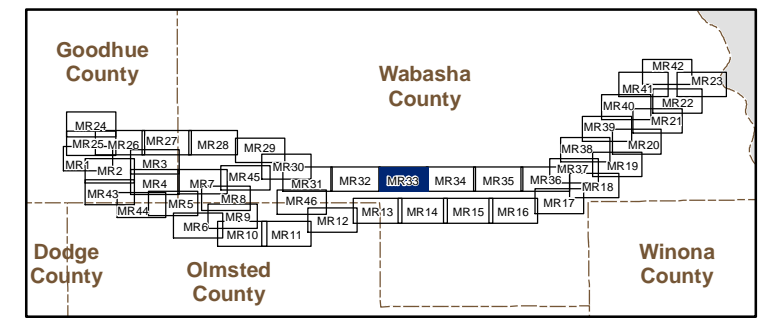


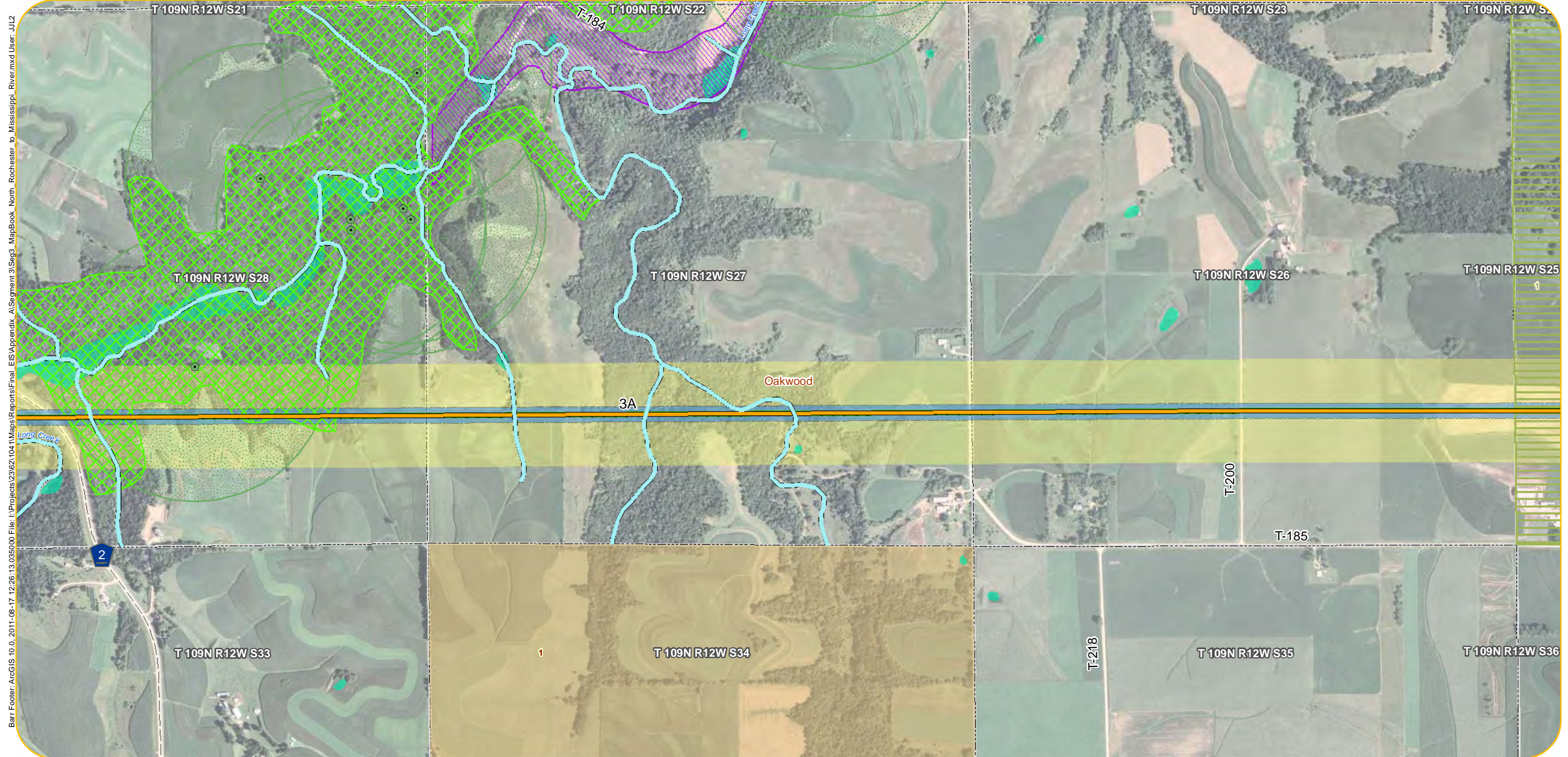
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.055000 File: I:\Projects\23621041\Map\Reports\Final_EIS\Appendix A\Segment 3\Seg3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ



- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| 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 MR33
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



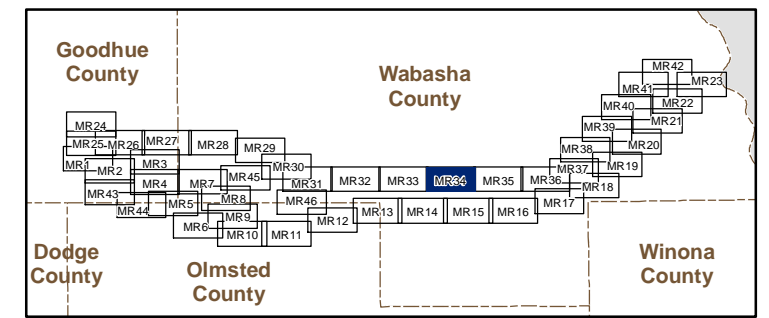


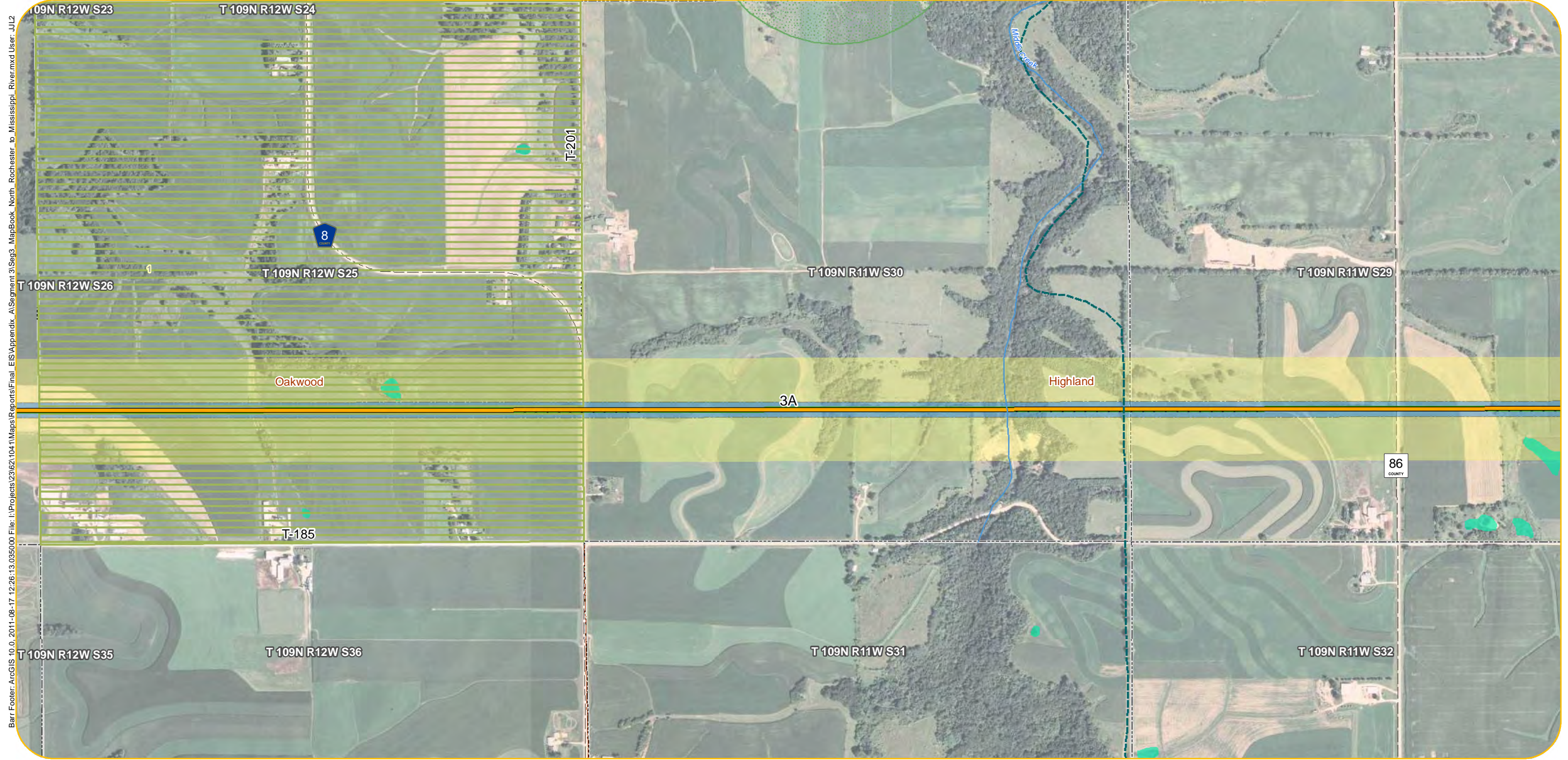
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\2362\104\11\Map\Reports\Final_EIS\Appendix A\Segment 3\Seg3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ

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



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



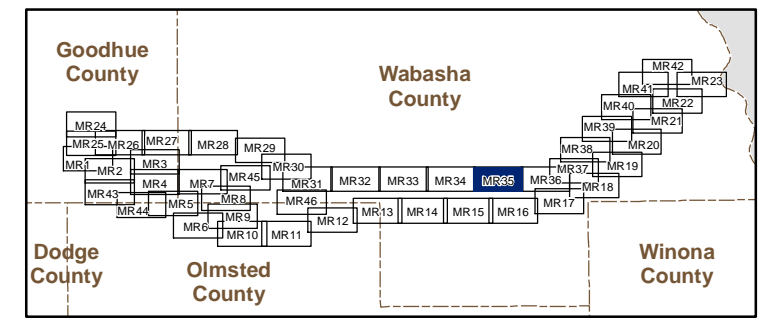


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_b_Mississippi_River.mxd User: JJJ

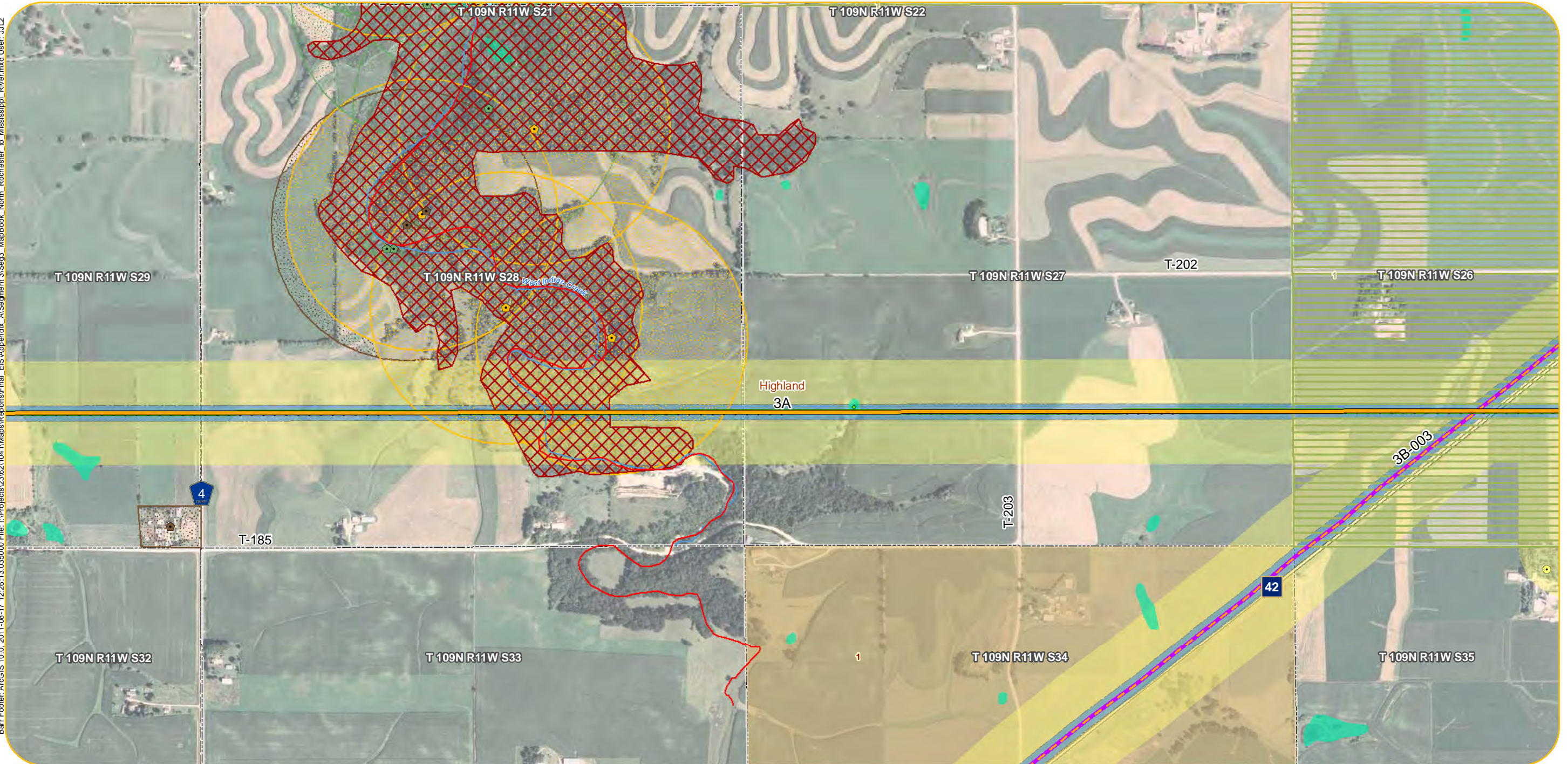
- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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

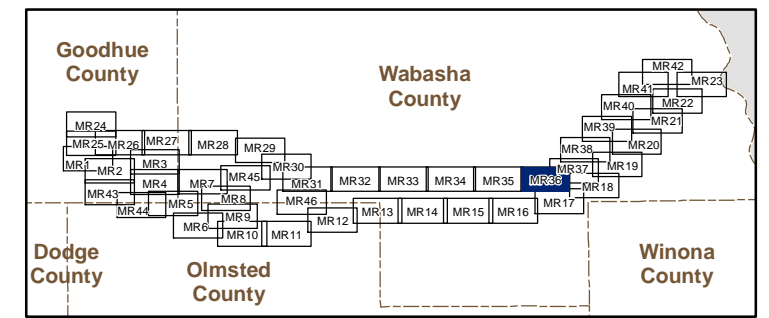


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ

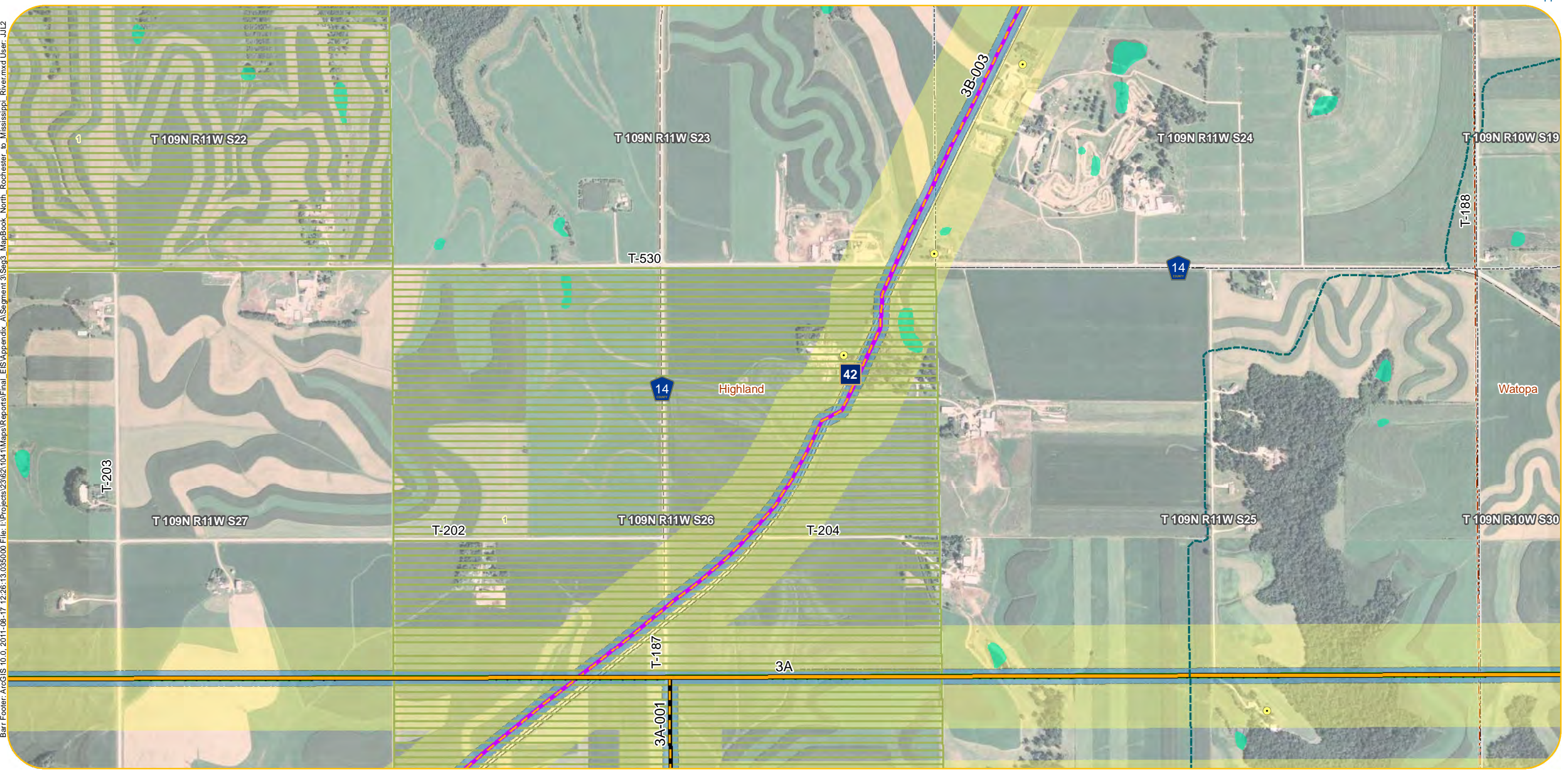


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 | |

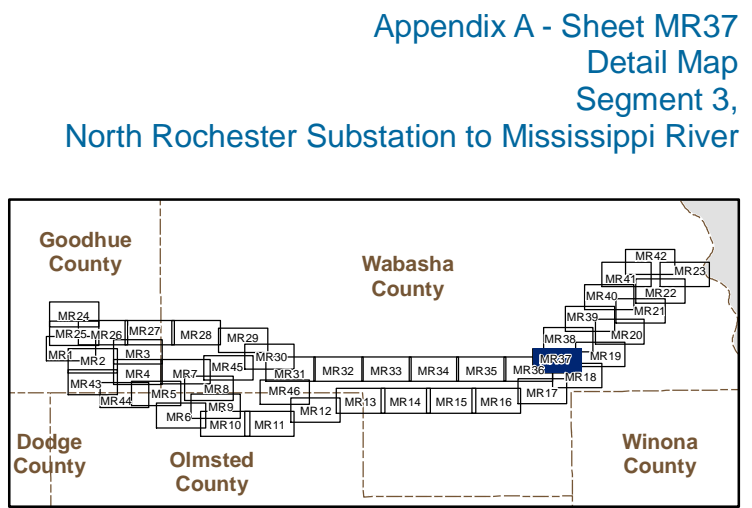
Appendix A - Sheet MR36
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



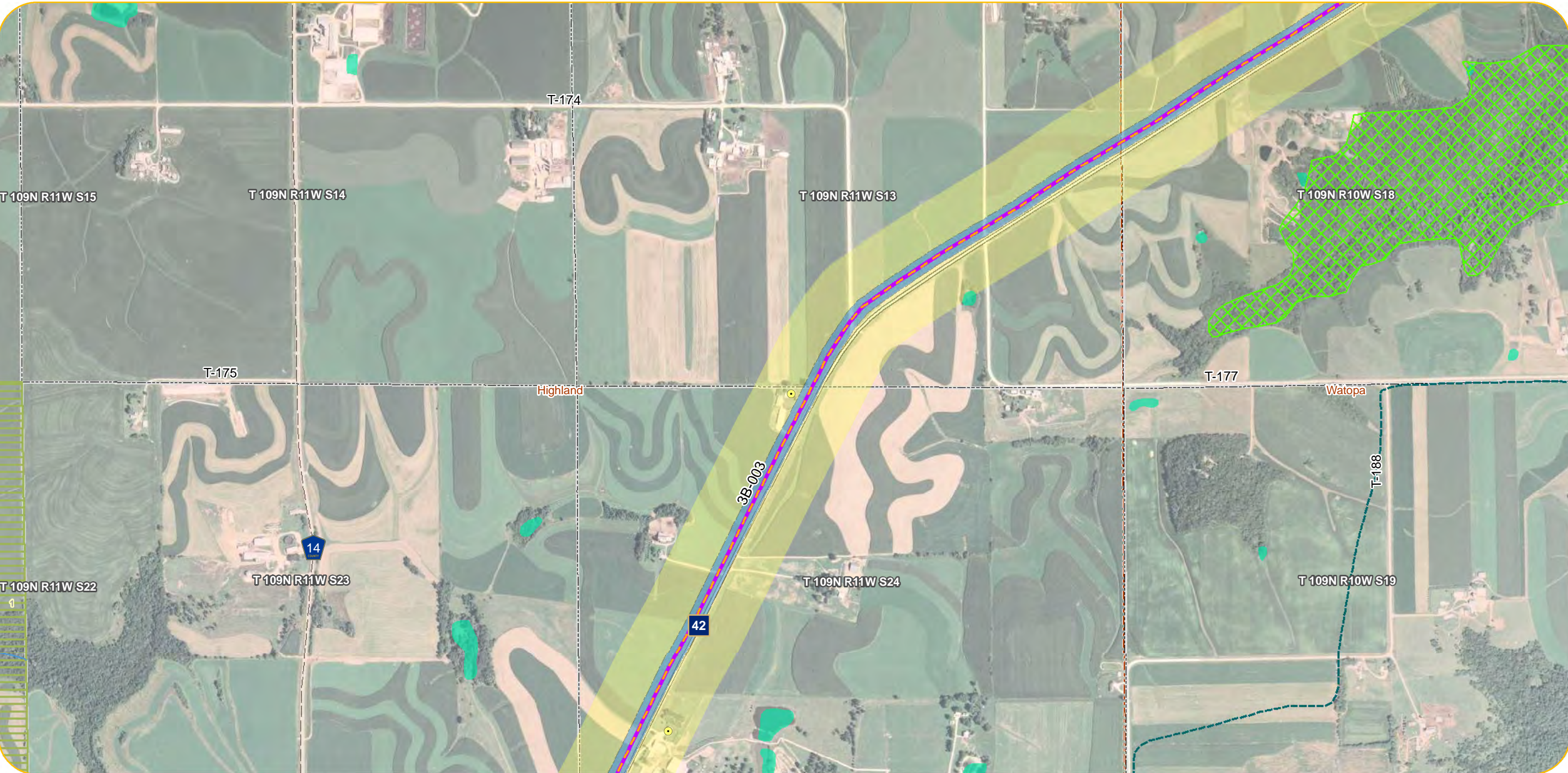
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ



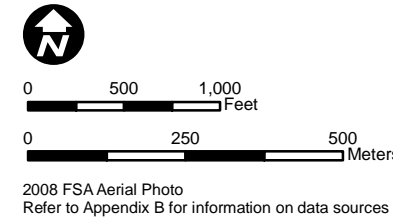
- | | | | | |
|--|---|---|--|---|
| <ul style="list-style-type: none"> Original Alignments P Route A Route Additional Alternative Routes Variation on P Route Variation on A Route Variation on Both Parallel Alignment Alignment Alternatives 150-foot ROW 200-foot ROW 1,000-foot Route Width Municipalities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



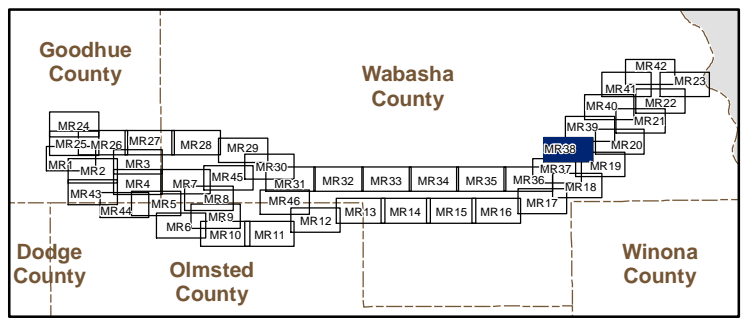
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Seg3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2



- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| 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 MR38
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

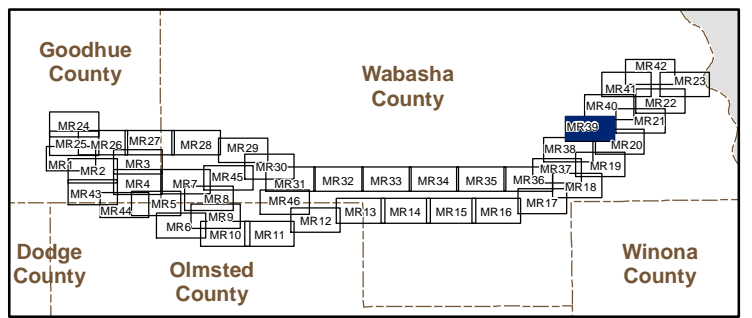


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.095000 File: I:\Projects\23621041\Map\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

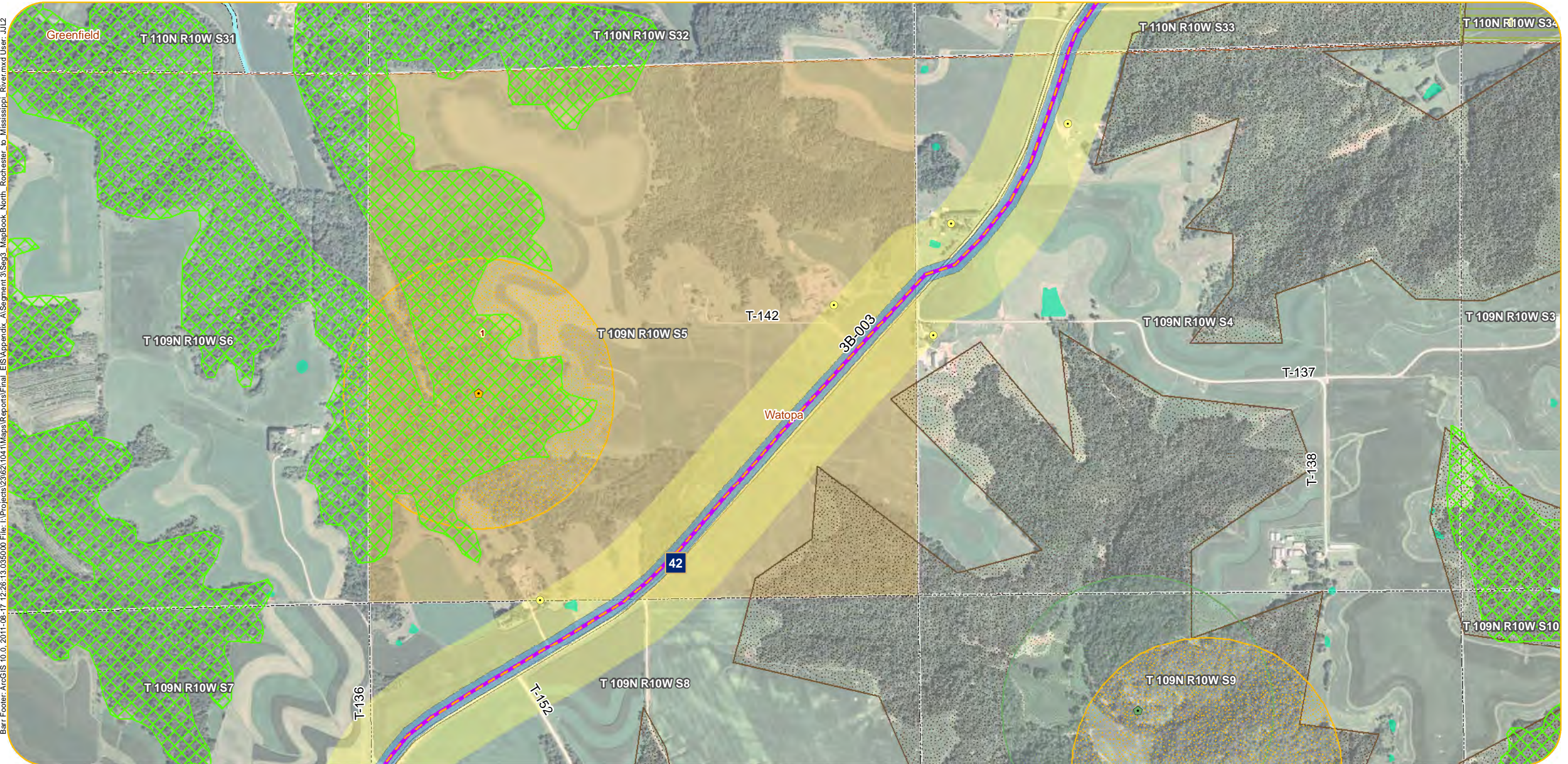


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 MR39
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

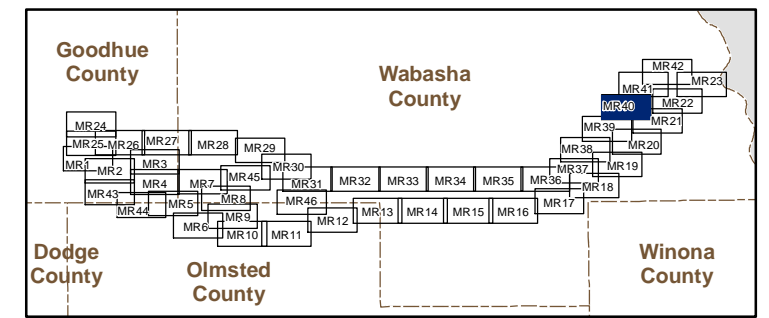


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 | |

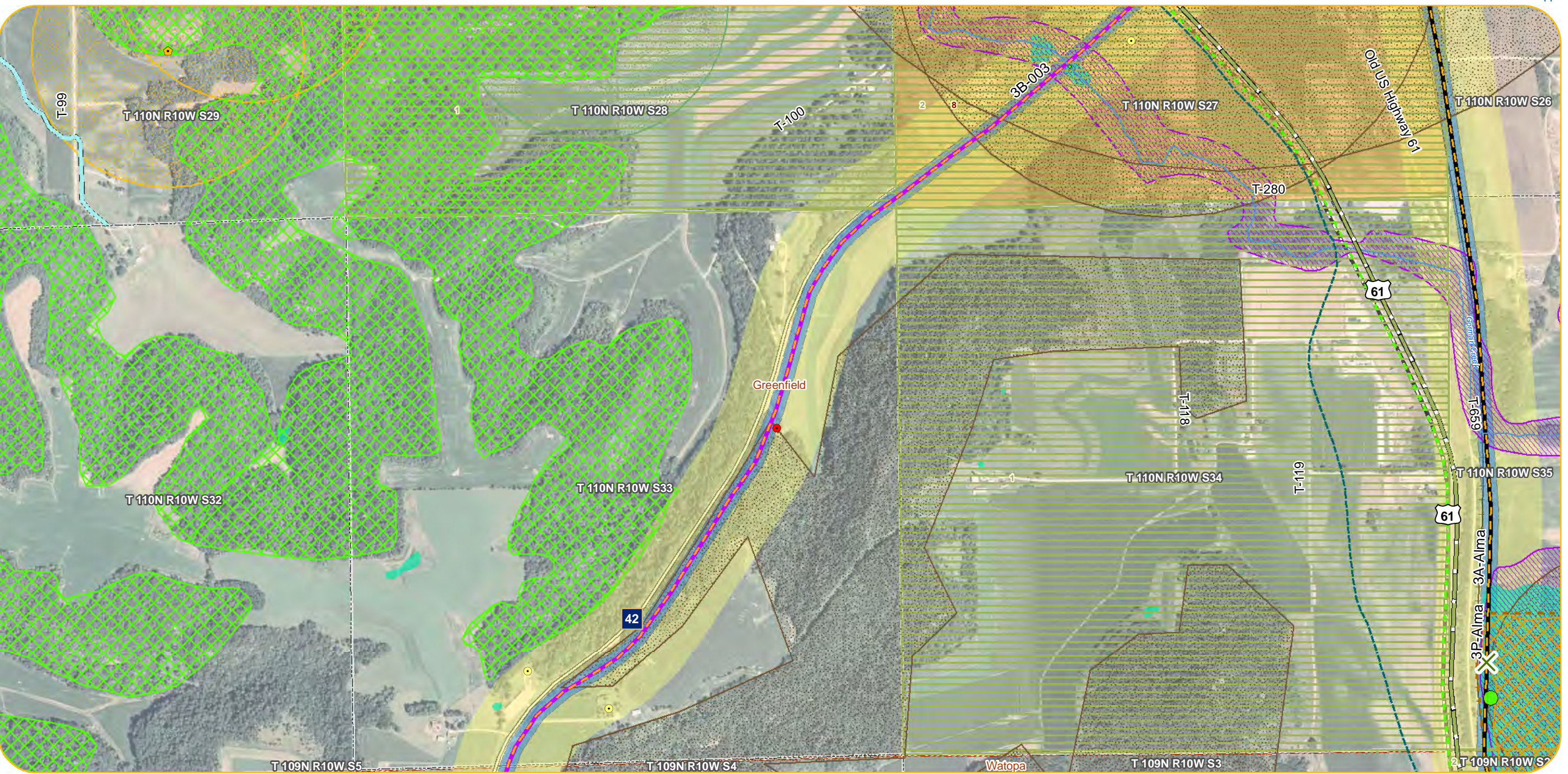


2008 FSA Aerial Photo
Refer to Appendix B for information on data sources

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

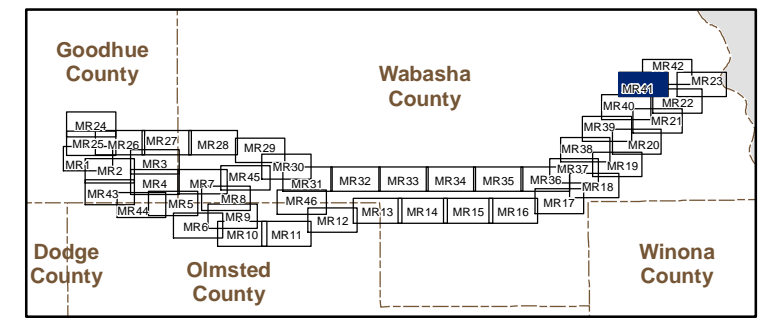


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Seg3_MapBook_North_Rochester_b_Mississippi_River.mxd User: JJJ2

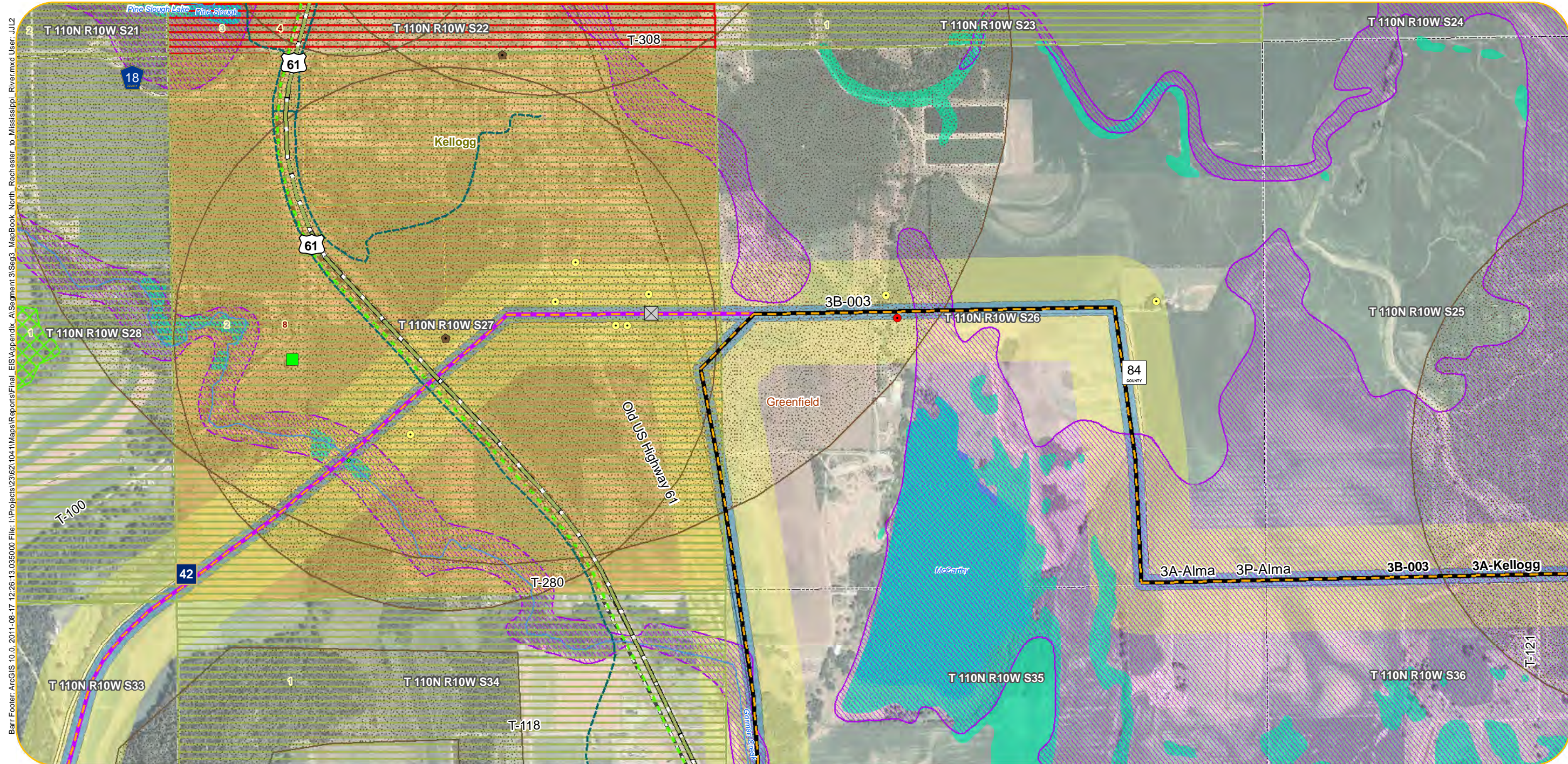


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 | |

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



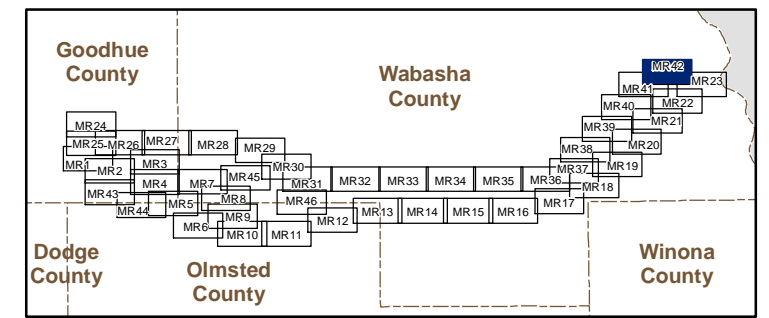
Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\236210411\Map\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ

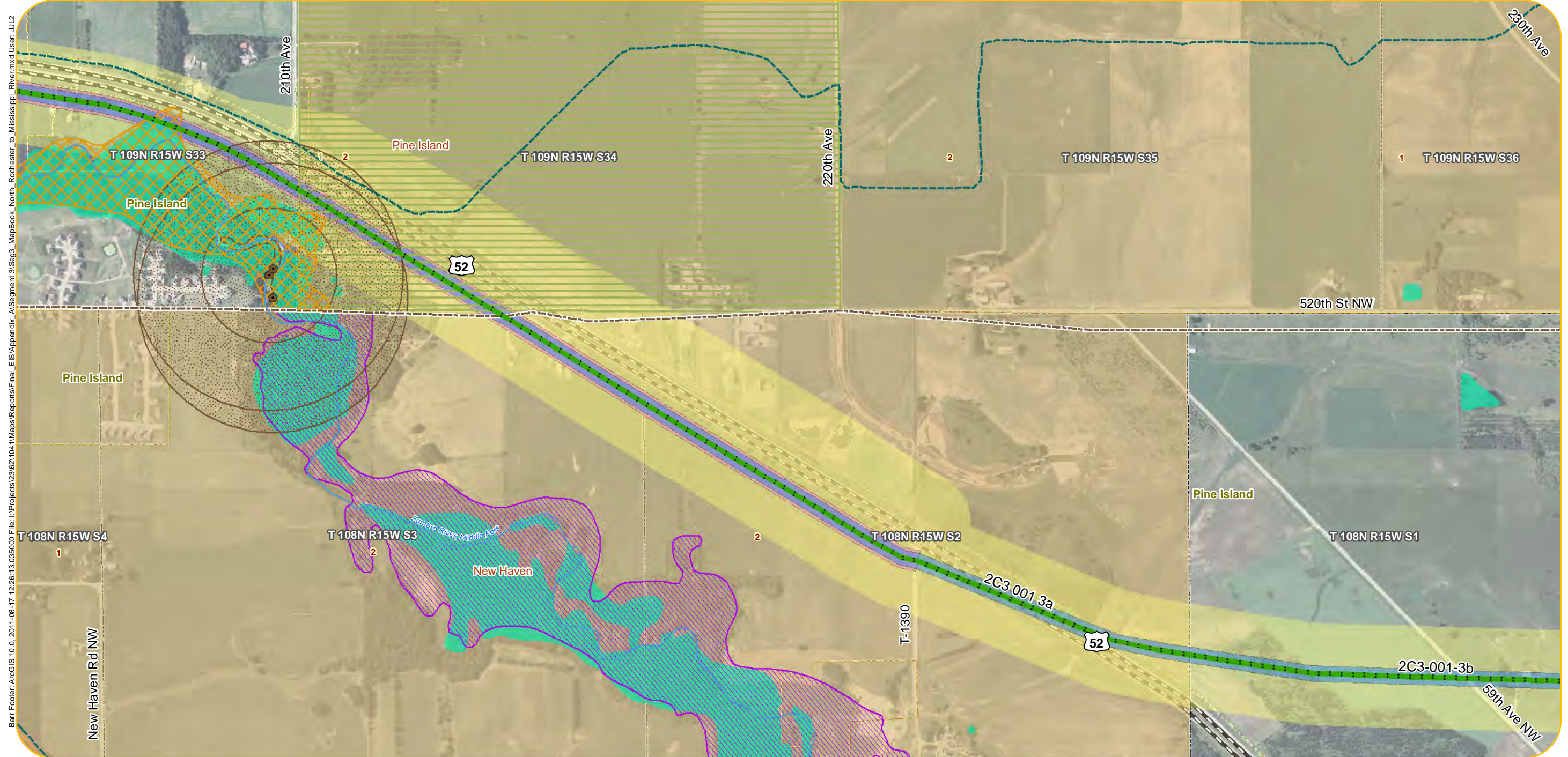


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 | 18 |
| Public Land | Zoological | Outstanding Significance | NWI Wetlands | 58 |
| Survey Sections | | Wildlife Management Area | Wetland Crossings > 1,000 Feet | 21 - 164 |
| | | Scientific and Natural Area | | |



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



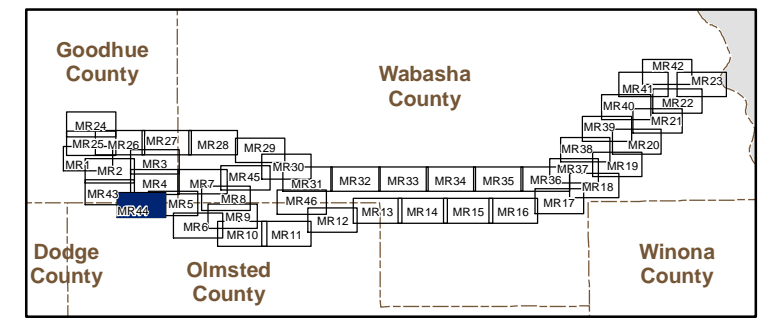


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

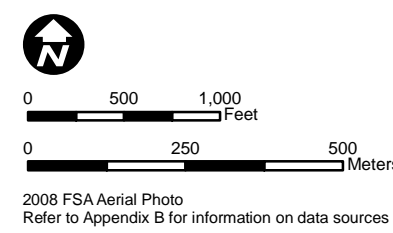
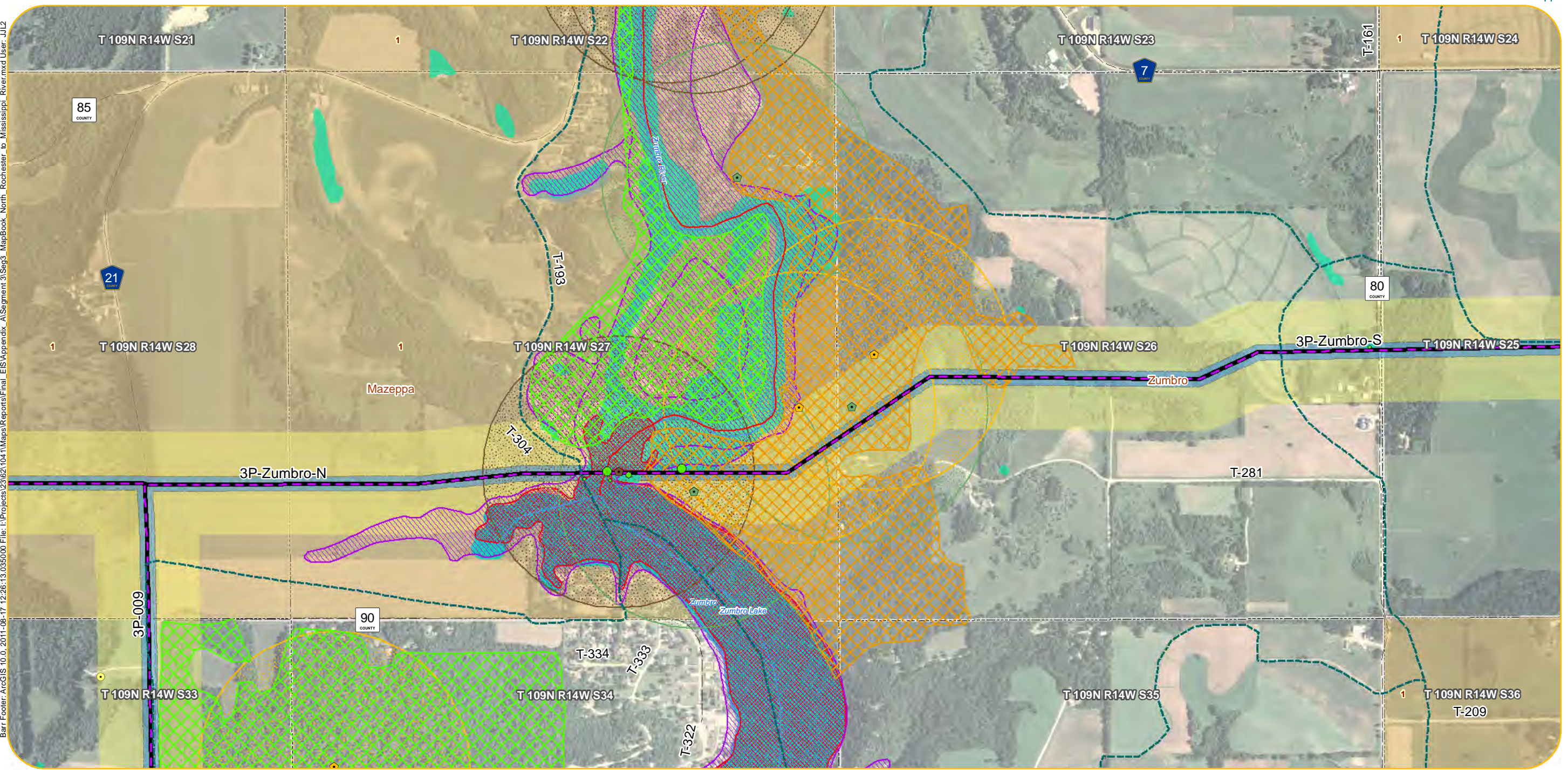
- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 MR44
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

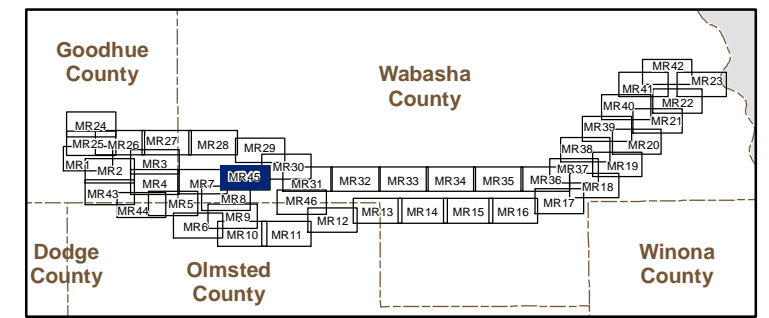


Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\23621041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2

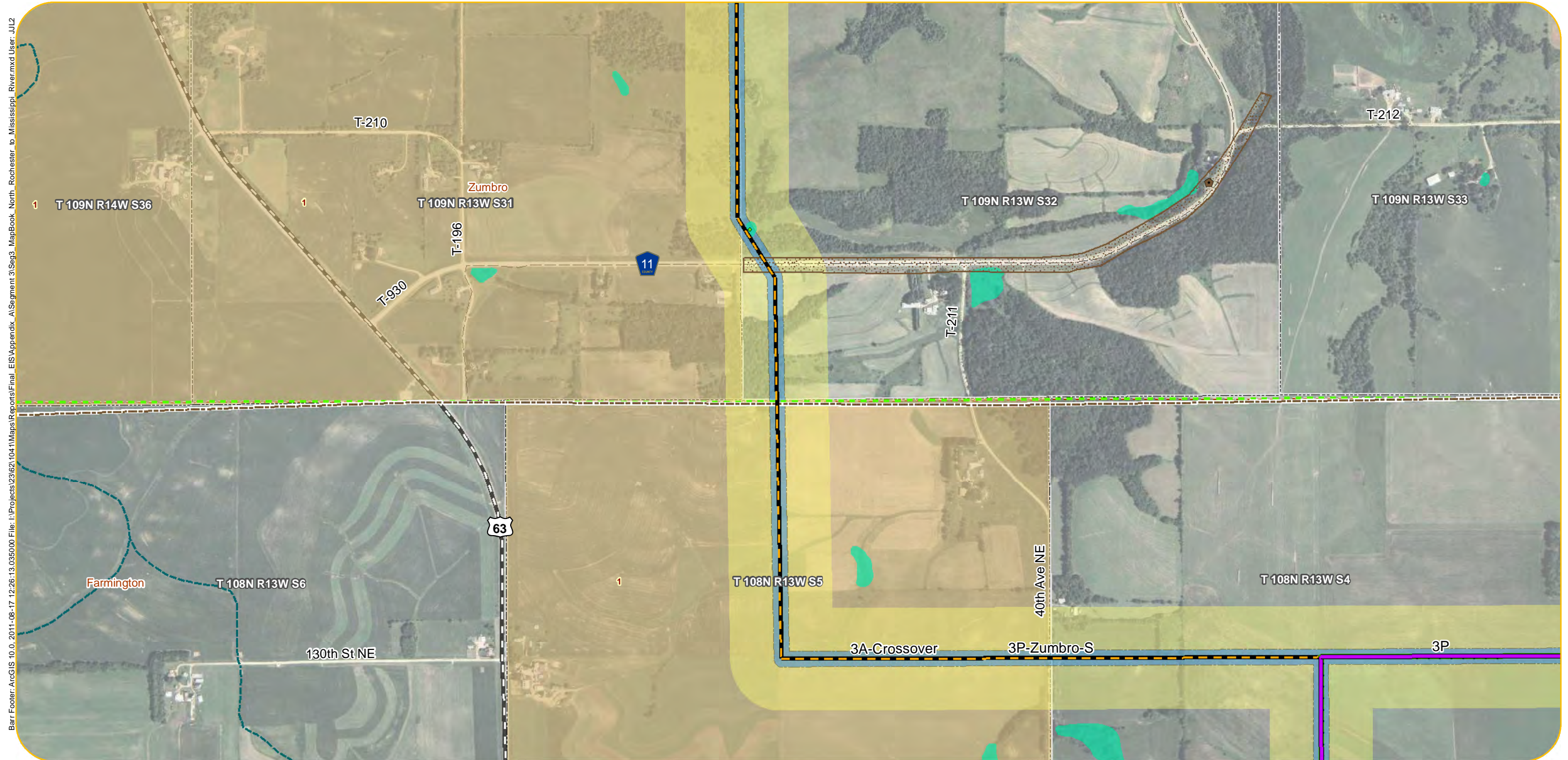


- | | | | | |
|-------------------------------|--|--------------------------------|---|--|
| Original Alignments | Project Substations | Botanical | State Park | Wetland Area (acres) within 150-foot ROW |
| P Route | Residences within 75 Feet of Alternatives | Ecological | State Forest | 0.0 - 0.5 |
| 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 | | |
| | | | | |

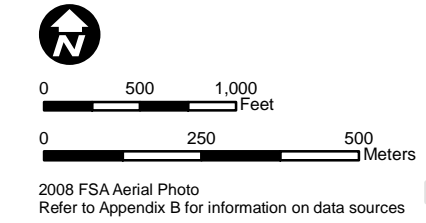
Appendix A - Sheet MR45
Detail Map
Segment 3,
North Rochester Substation to Mississippi River



Barr Footer: ArcGIS 10.0, 2011-08-17 12:26:13.035000 File: I:\Projects\2362\1041\Maps\Reports\Final_EIS\Appendix A\Segment 3\Sag3_MapBook_North_Rochester_to_Mississippi_River.mxd User: JJJ2



- | | | | | |
|--|---|---|--|---|
| <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 MR46
Detail Map
Segment 3,
North Rochester Substation to Mississippi River

