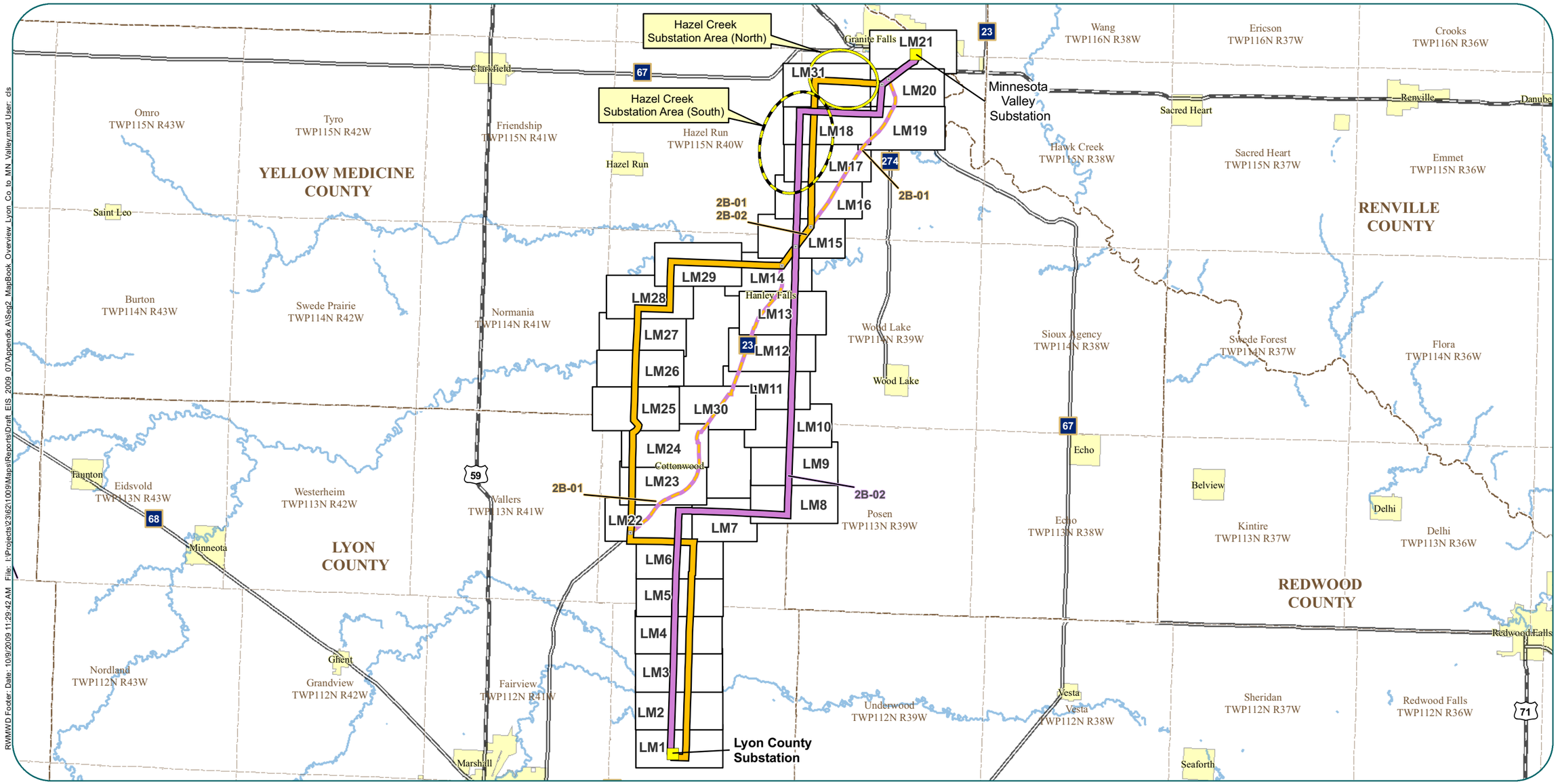


LM1 Map Index

Project Substations

Alternate Substation Area

Preferred Substation Area

Original Alignments

Preferred Route

Alternate Route

Additional Alternative Routes

Variation on Preferred Route

Variation on Alternate Route

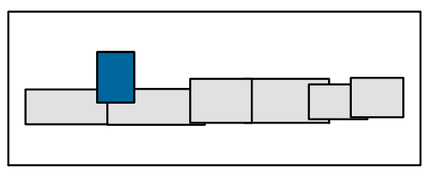
Variation on Both

County Boundaries

0 0.5 1 2 3 4 Miles

0 0.5 1 2 3 4 5 6 Kilometers

Appendix A - Overview Map
Segment 2,
Lyon County Substation to MN Valley Substation



Refer to Appendix B for information on data sources

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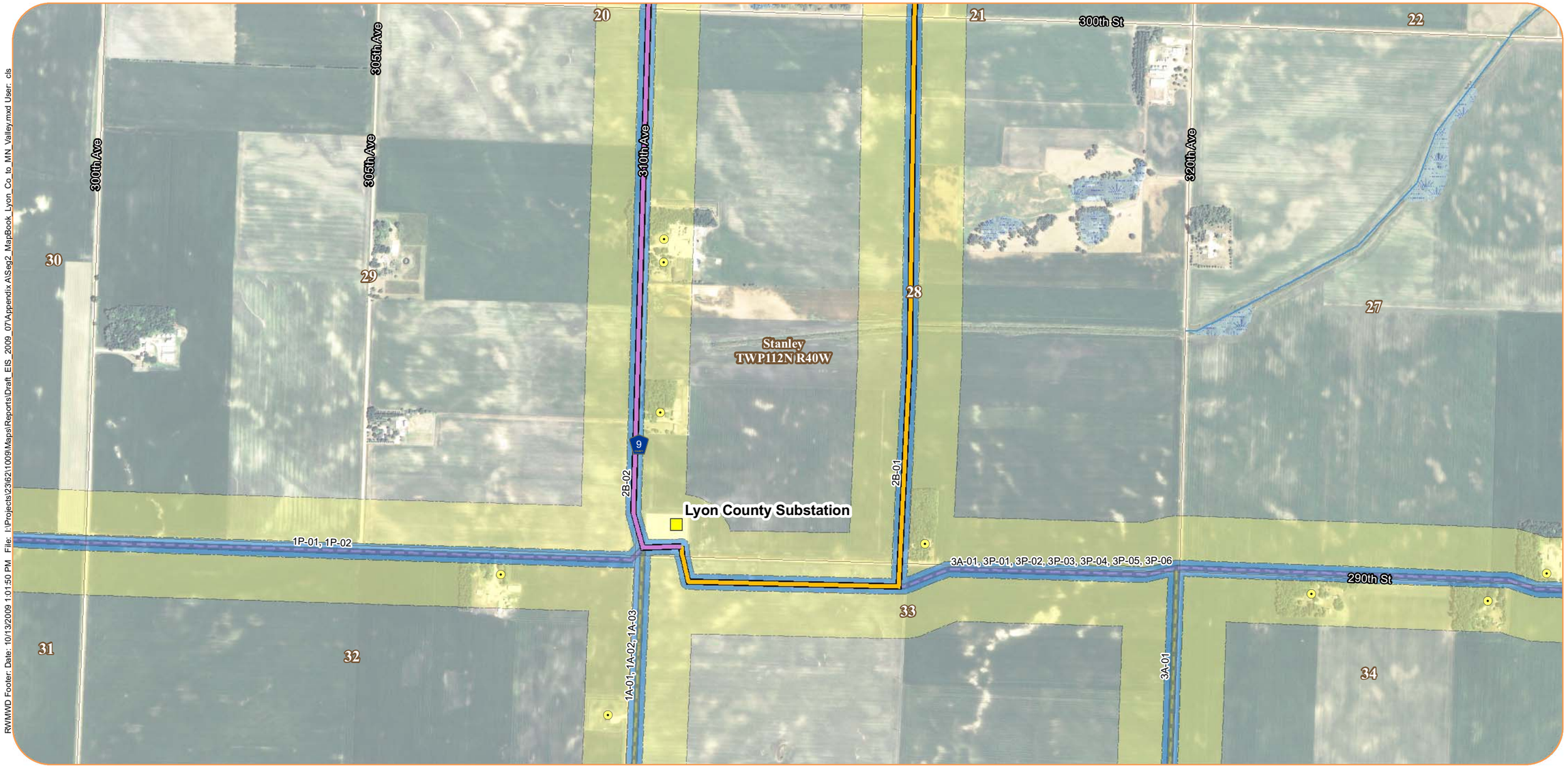

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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

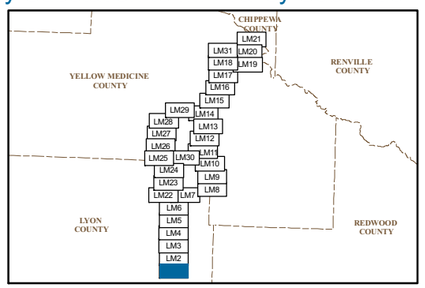
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

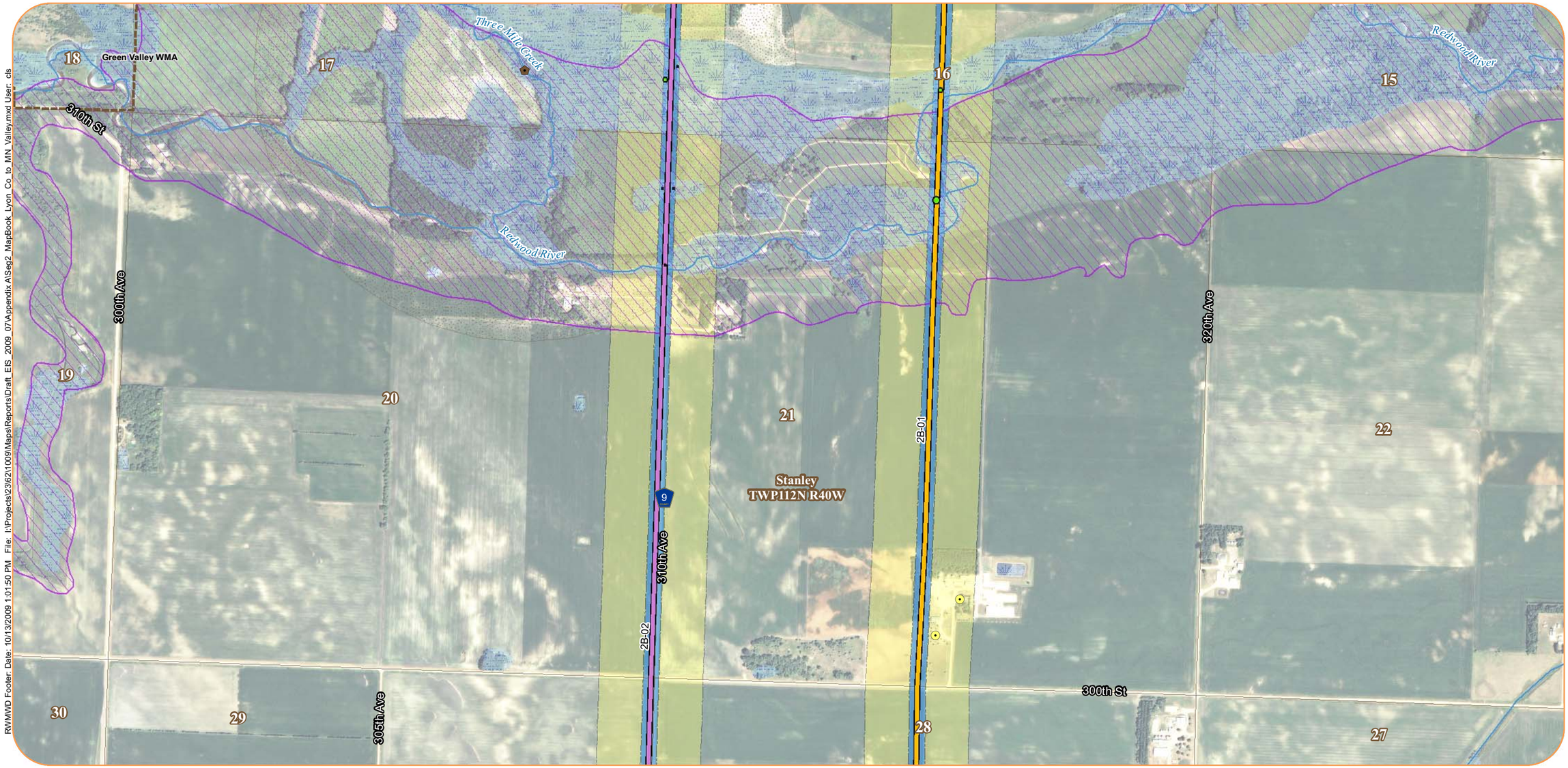
Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 — 1 - 5
- 7 — 6 - 10
- 13 — 11 - 15

Historical Sites
- 2 — 1 - 5
- 10 — 6 - 20
- 53 — >20

Appendix A - Sheet LM1
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

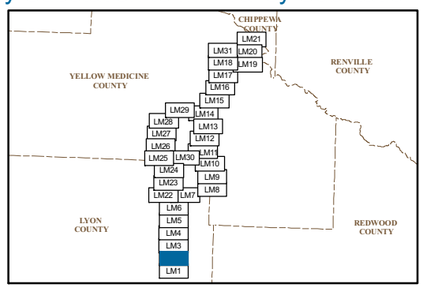
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

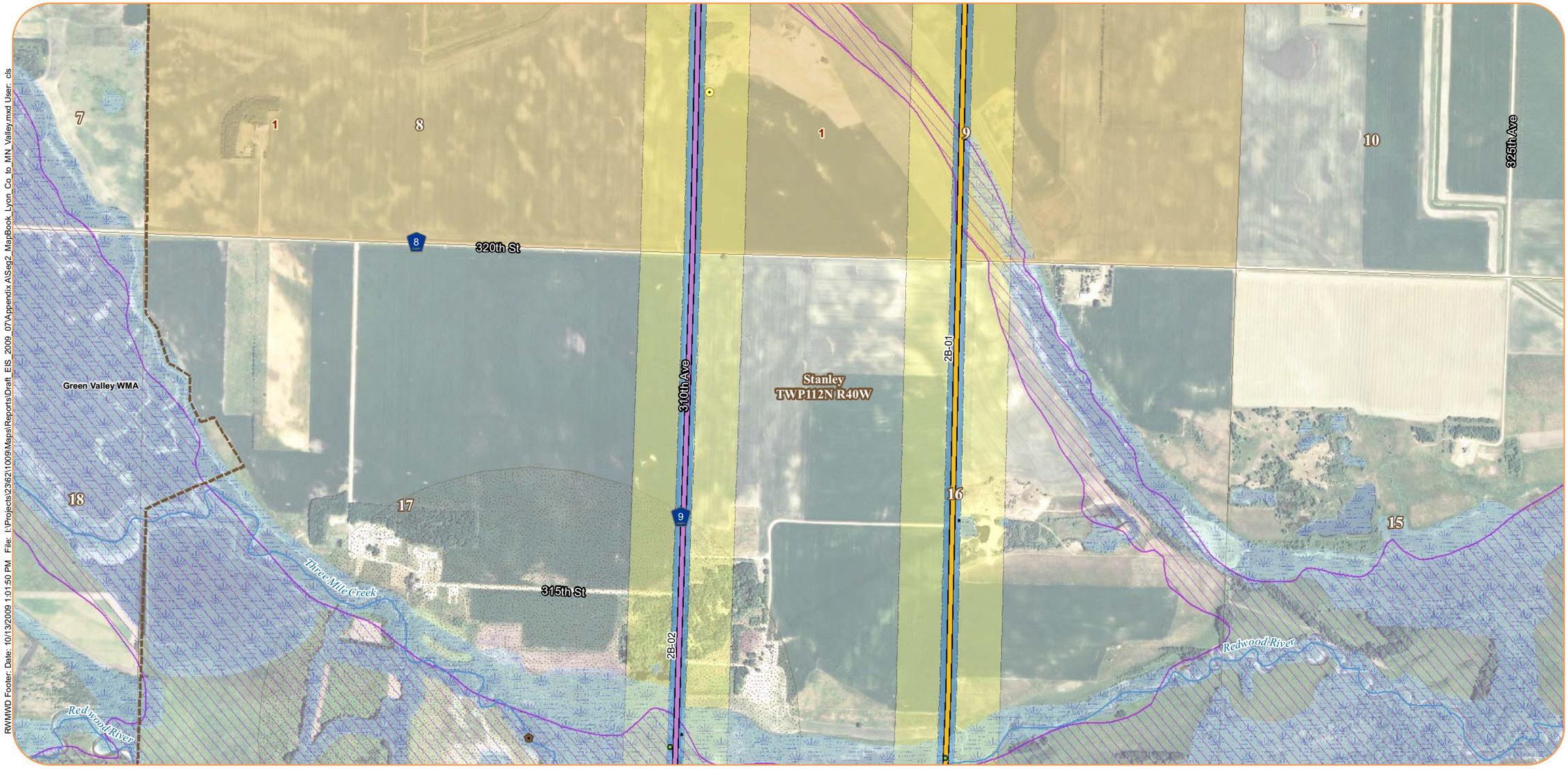
Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM2 Detail Map Segment 2, Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

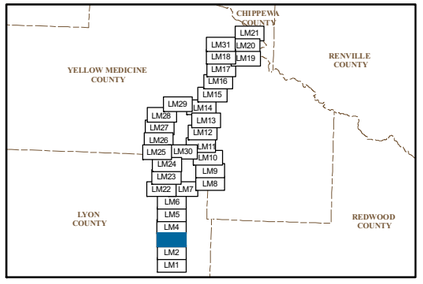
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

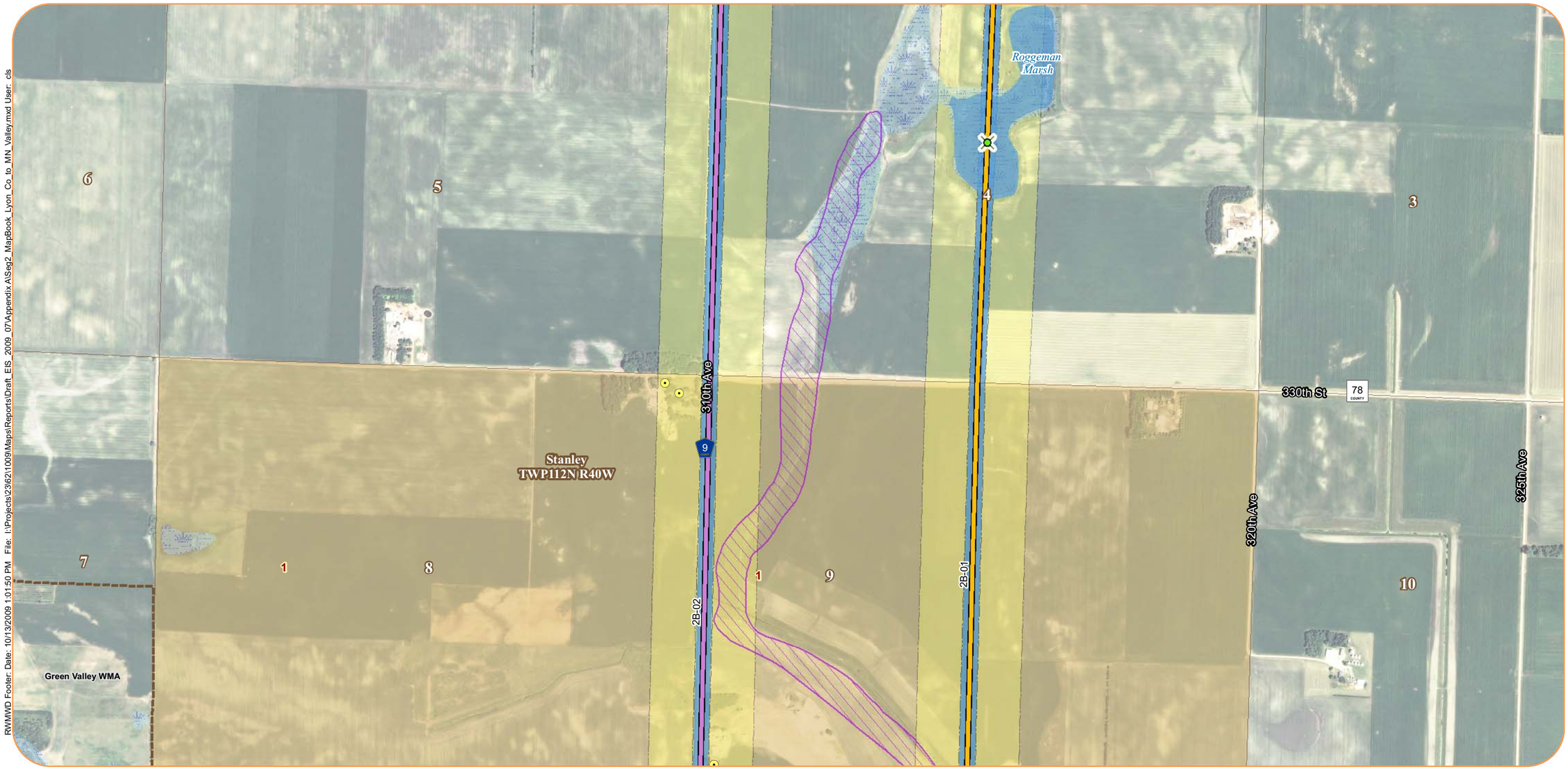
Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 — 1 - 5
- 7 — 6 - 10
- 13 — 11 - 15

Historical Sites
- 2 — 1 - 5
- 10 — 6 - 20
- 53 — >20

Appendix A - Sheet LM3 Detail Map Segment 2, Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

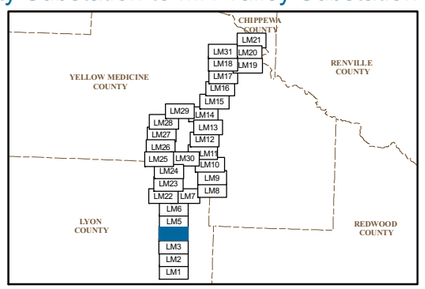
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

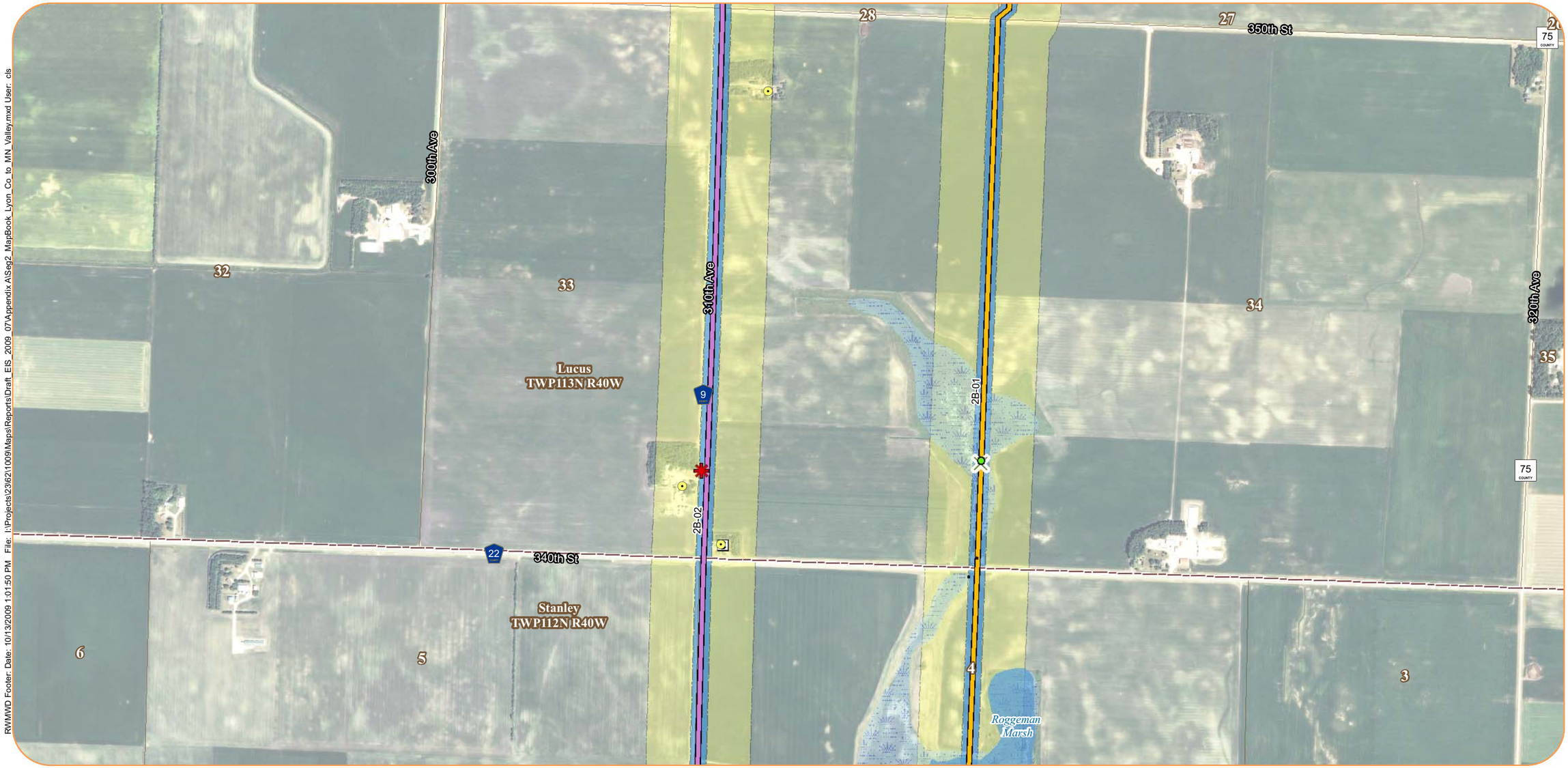
Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 — 1 - 5
- 7 — 6 - 10
- 13 — 11 - 15

Historical Sites
- 2 — 1 - 5
- 10 — 6 - 20
- 53 — >20

Appendix A - Sheet LM4 Detail Map Segment 2, Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

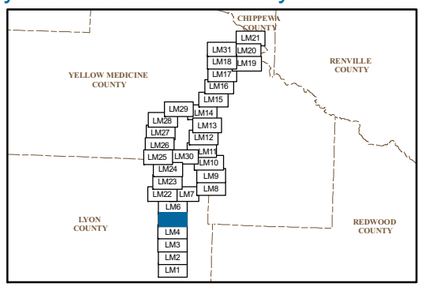
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

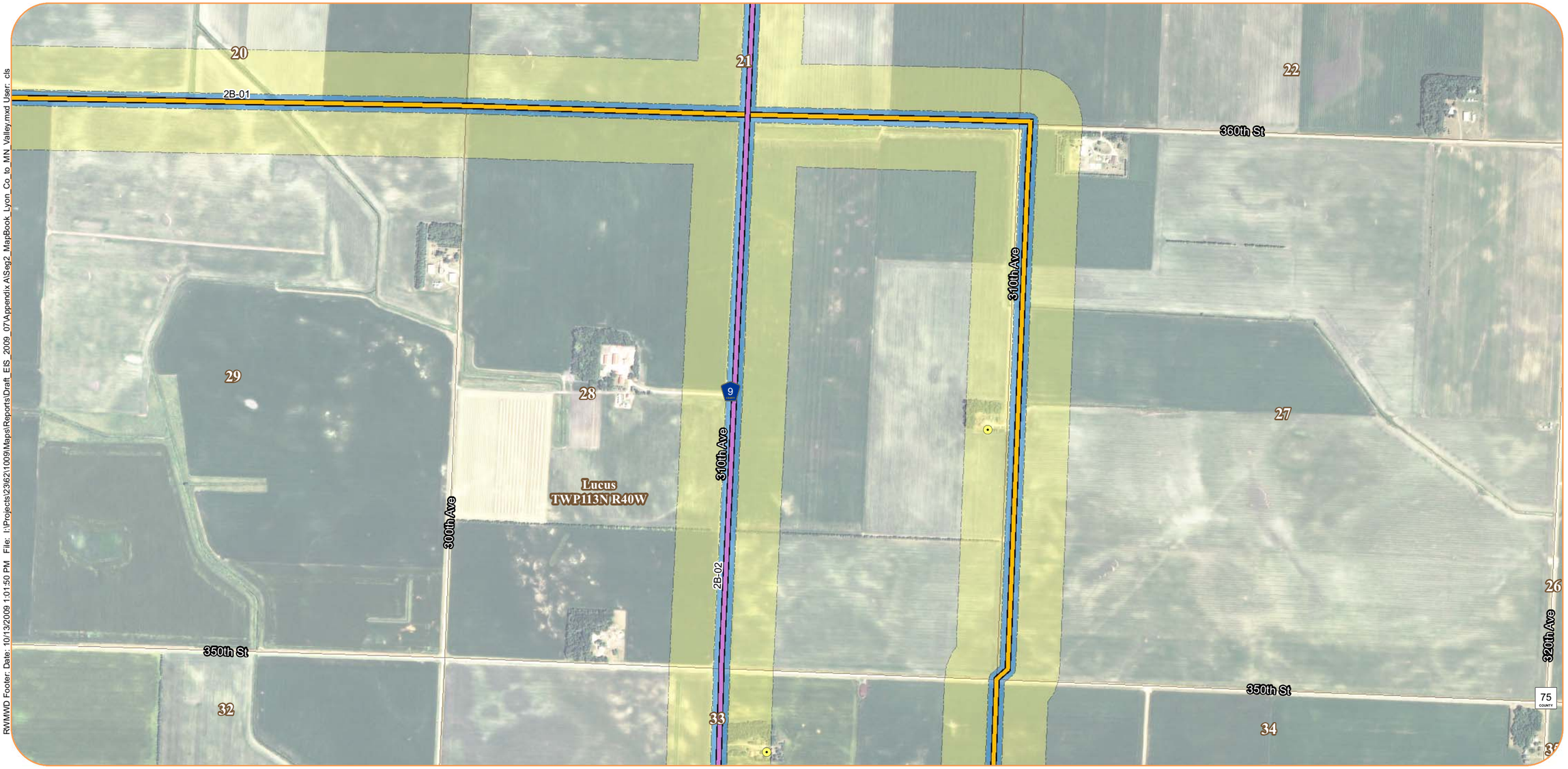
Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM5 Detail Map Segment 2, Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

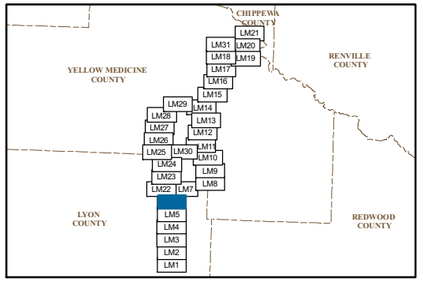
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM6 Detail Map Segment 2, Lyon County Substation to MN Valley Substation



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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

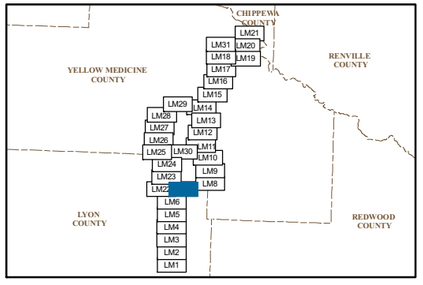
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM7 Detail Map Segment 2, Lyon County Substation to MN Valley Substation



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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

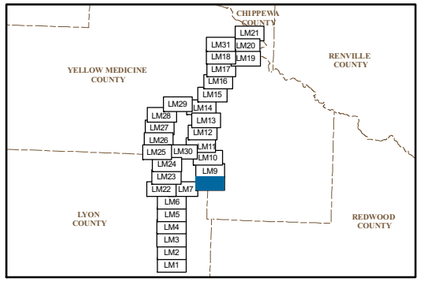
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM8 Detail Map Segment 2, Lyon County Substation to MN Valley Substation



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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

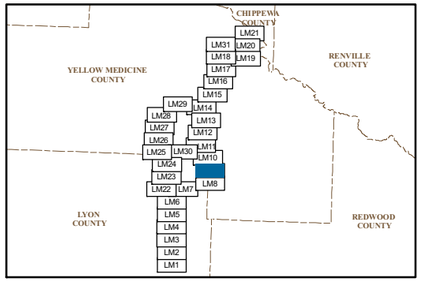
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM9 Detail Map Segment 2, Lyon County Substation to MN Valley Substation



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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

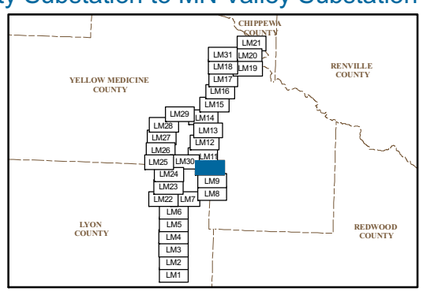
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

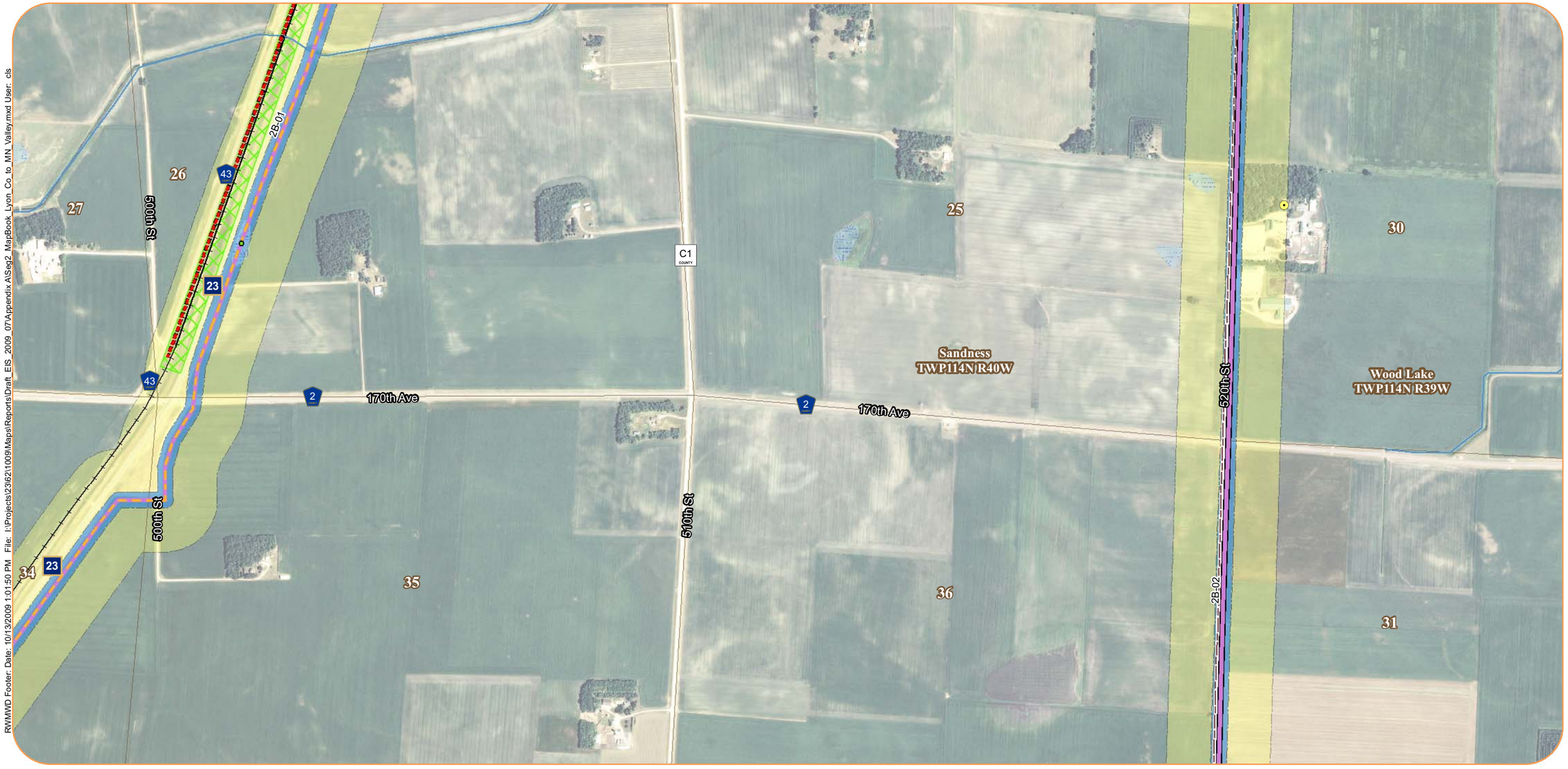
Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 — 1 - 5
- 7 — 6 - 10
- 13 — 11 - 15

Historical Sites
- 2 — 1 - 5
- 10 — 6 - 20
- 53 — >20

Appendix A - Sheet LM10
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

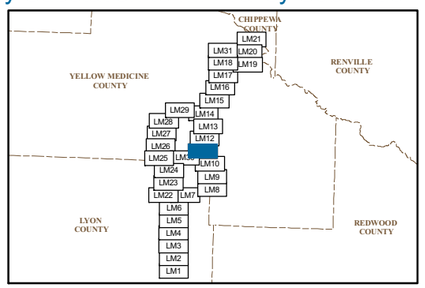
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

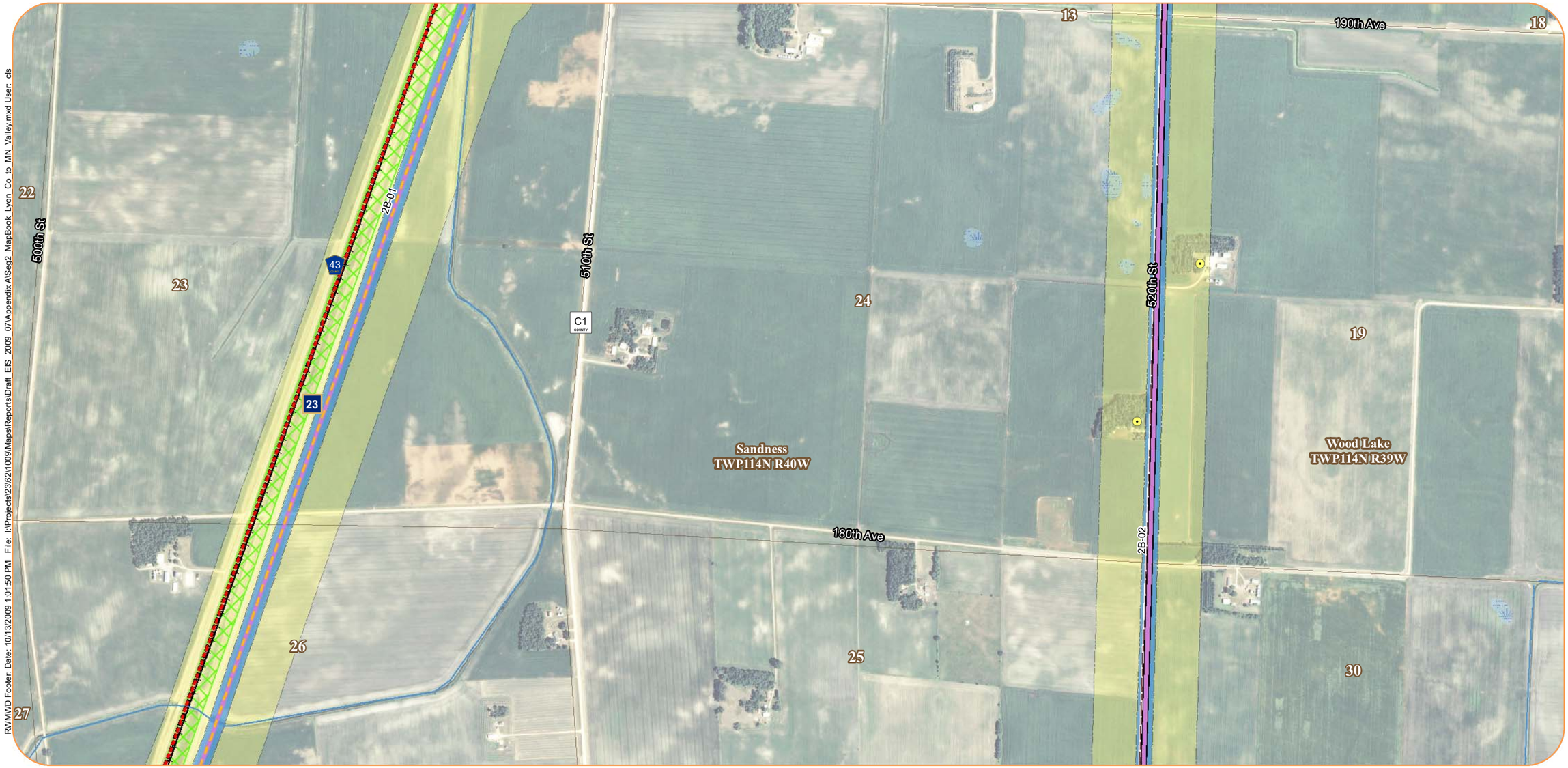
Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM11
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

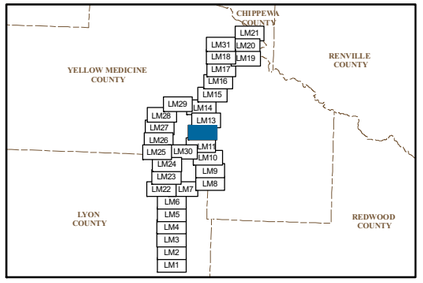
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

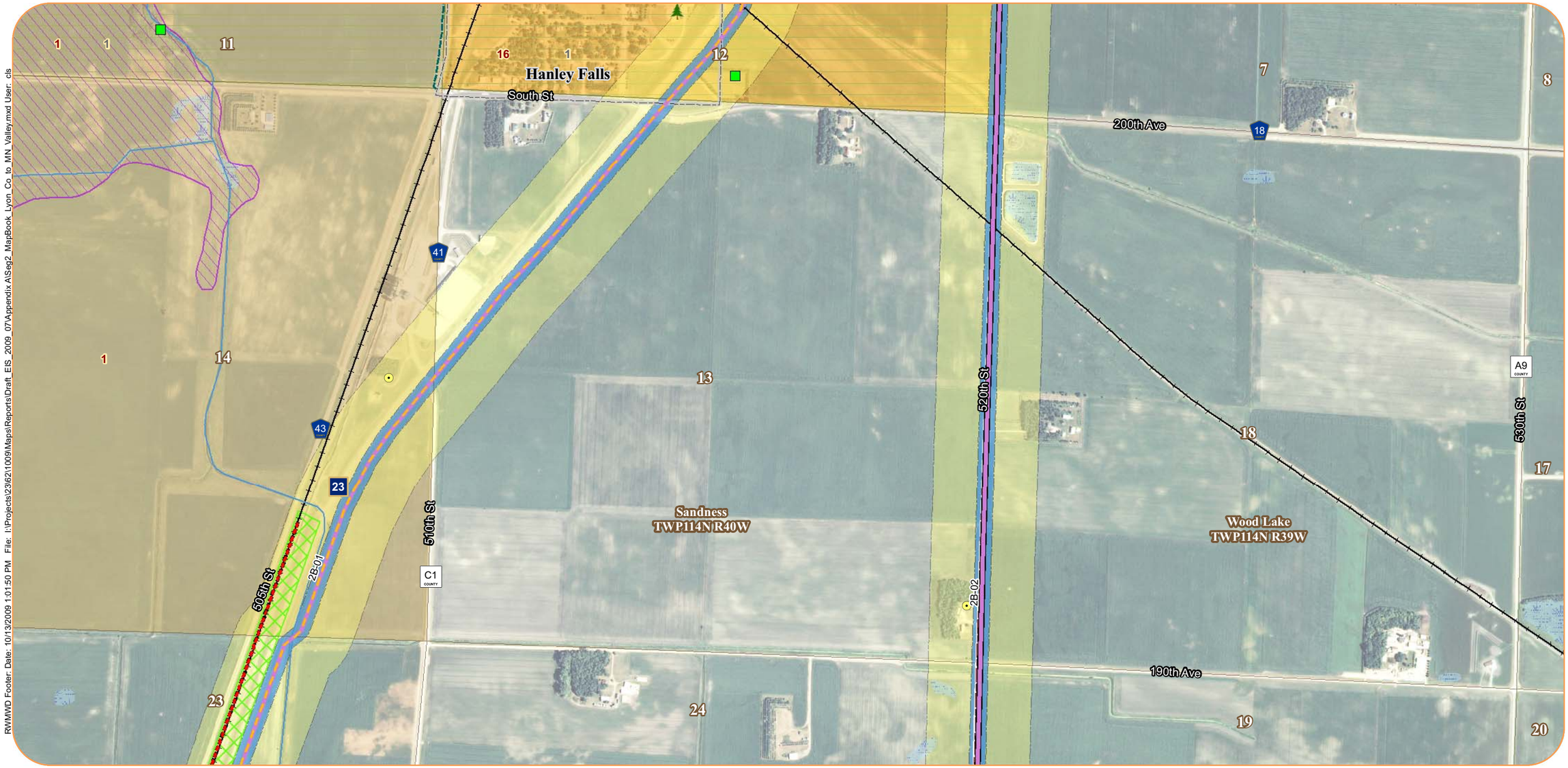
Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM12
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

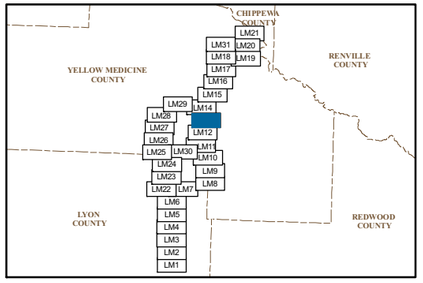
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

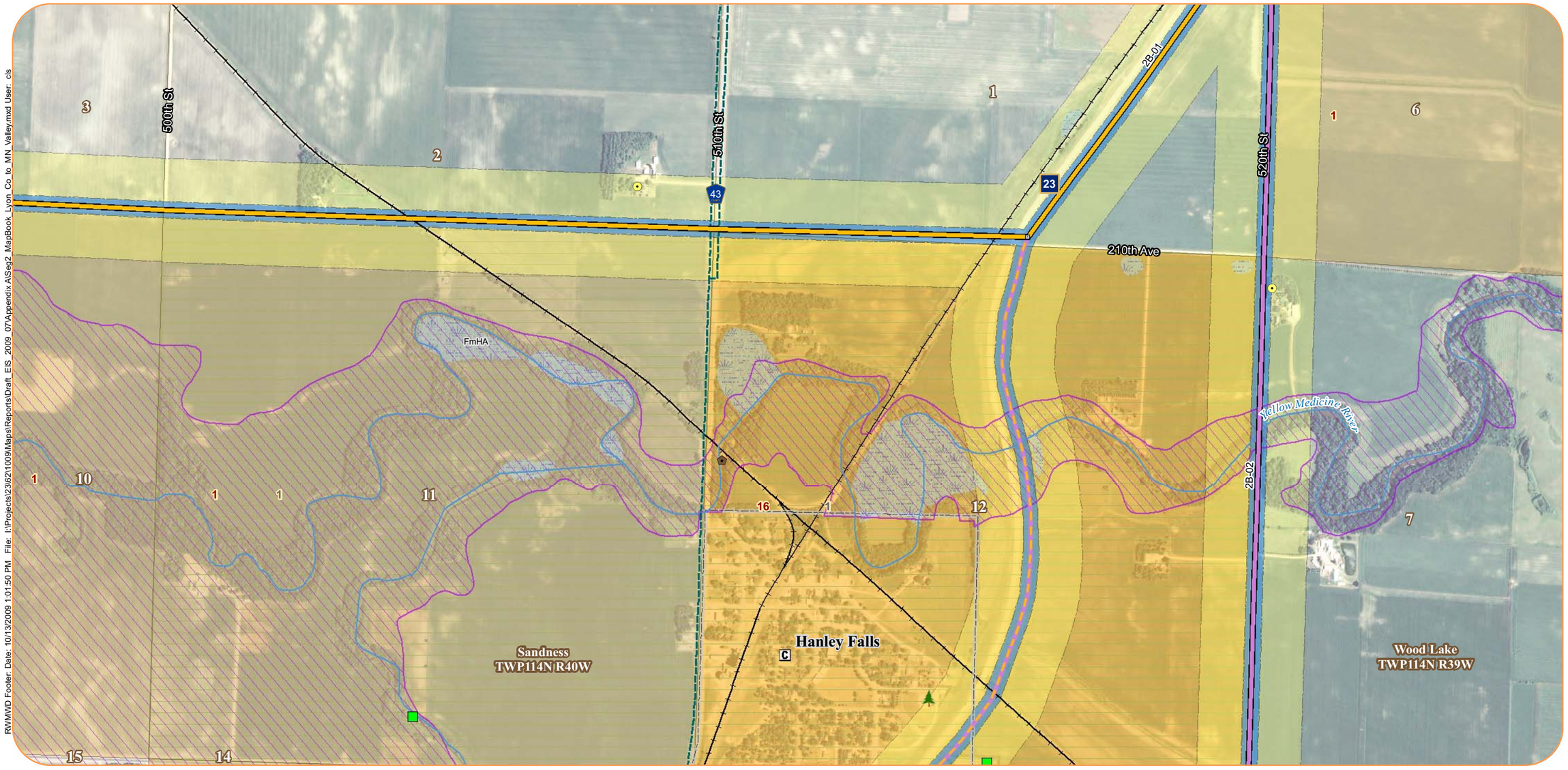
Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 — 1 - 5
- 7 — 6 - 10
- 13 — 11 - 15

Historical Sites
- 2 — 1 - 5
- 10 — 6 - 20
- 53 — >20

Appendix A - Sheet LM13
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

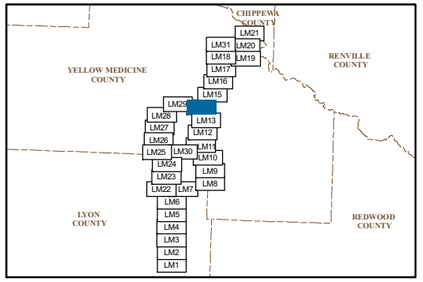
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 — 1 - 5
- 7 — 6 - 10
- 13 — 11 - 15

Historical Sites
- 2 — 1 - 5
- 10 — 6 - 20
- 53 — >20

Appendix A - Sheet LM14
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation



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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

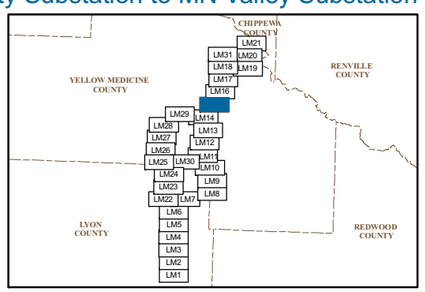
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

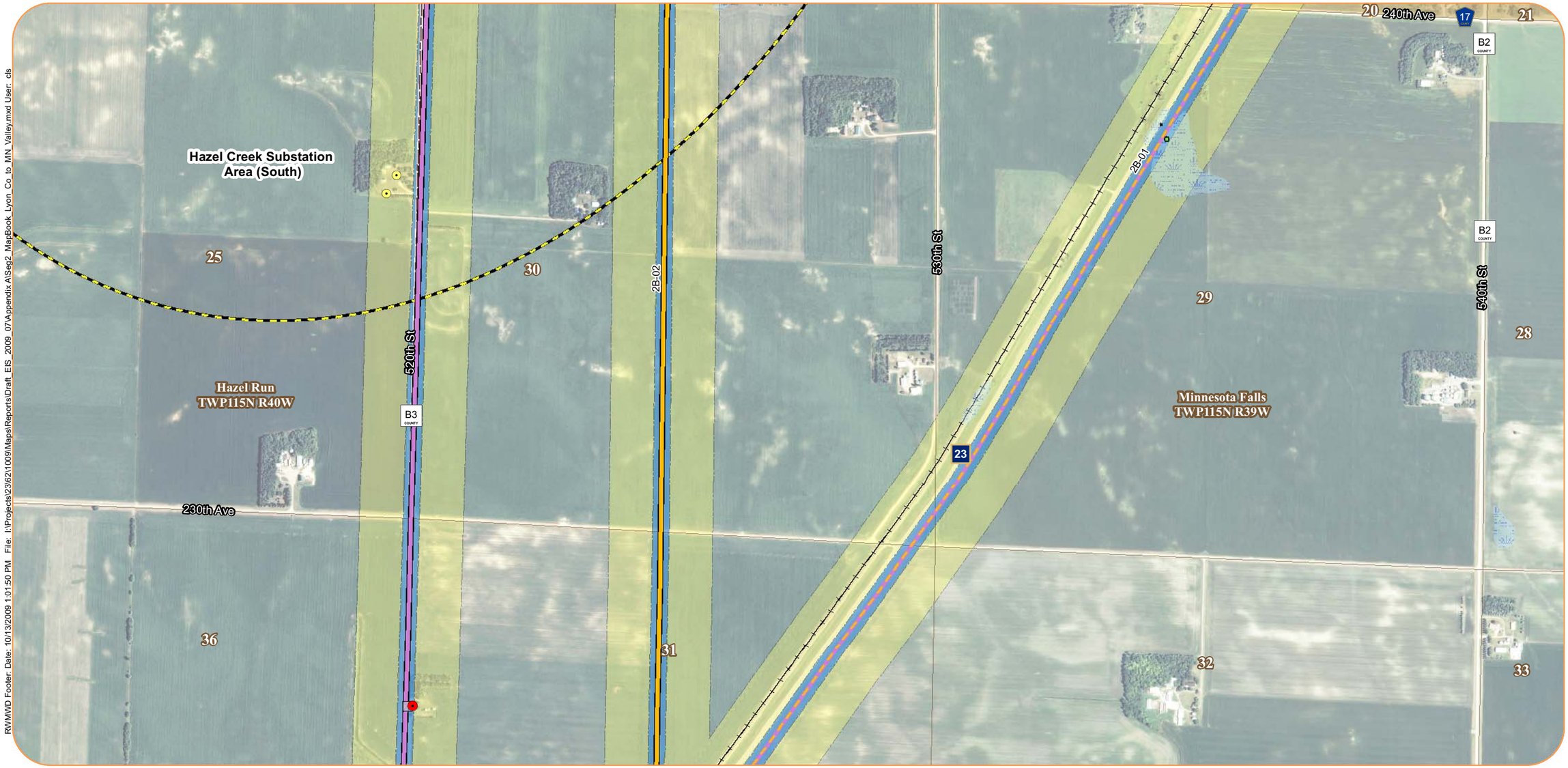
Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM15
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

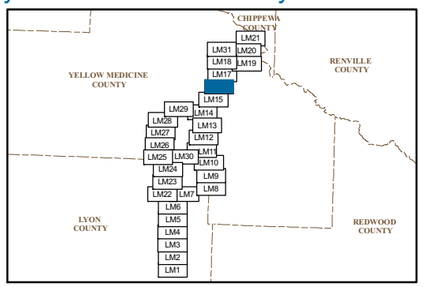
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

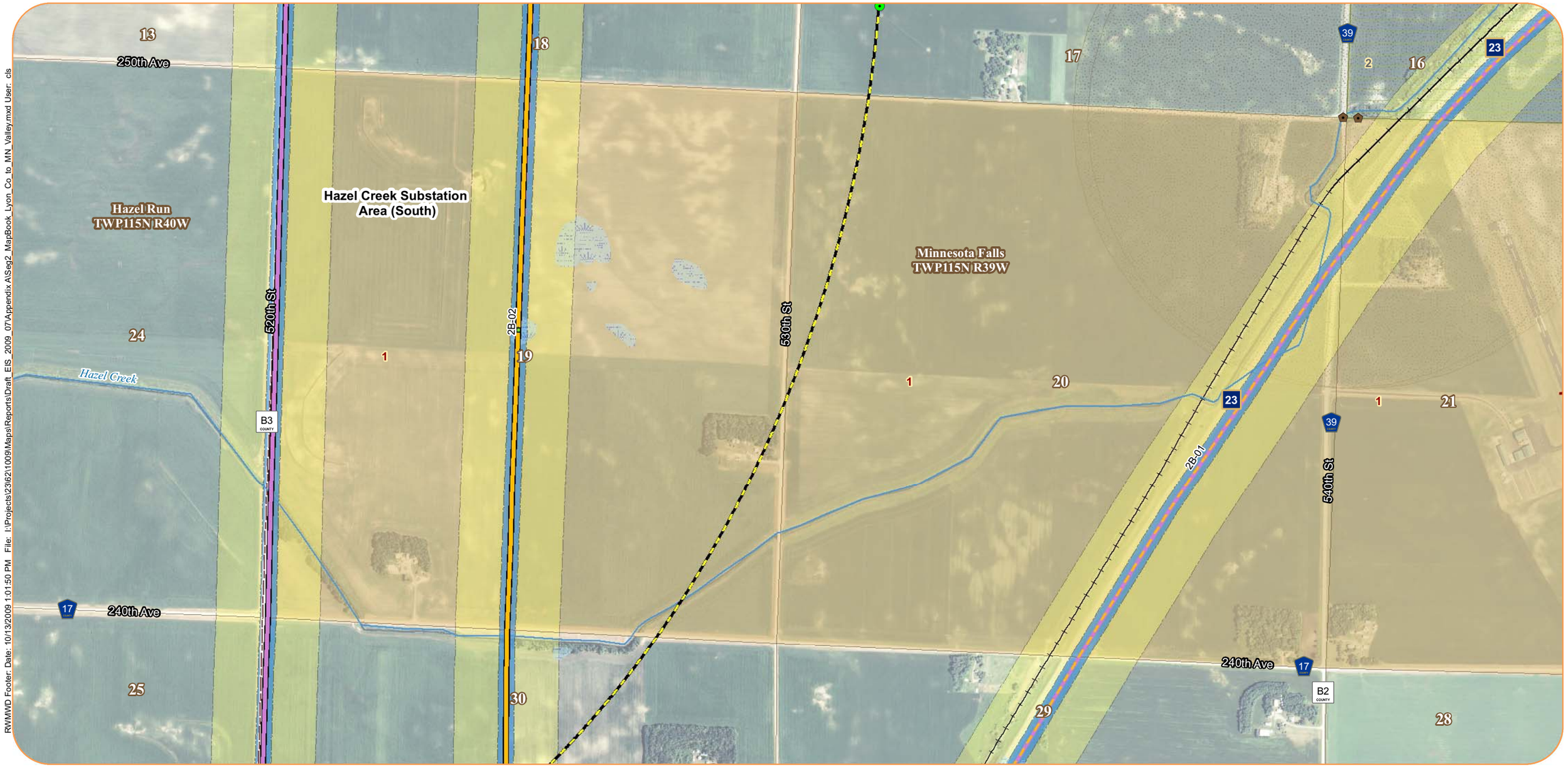
Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM16
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

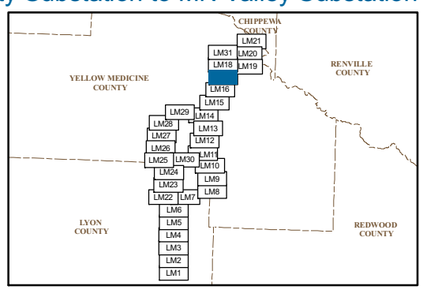
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM17
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation



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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

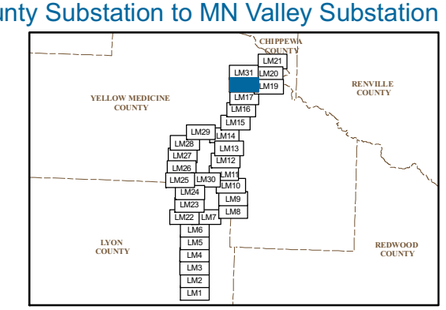
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

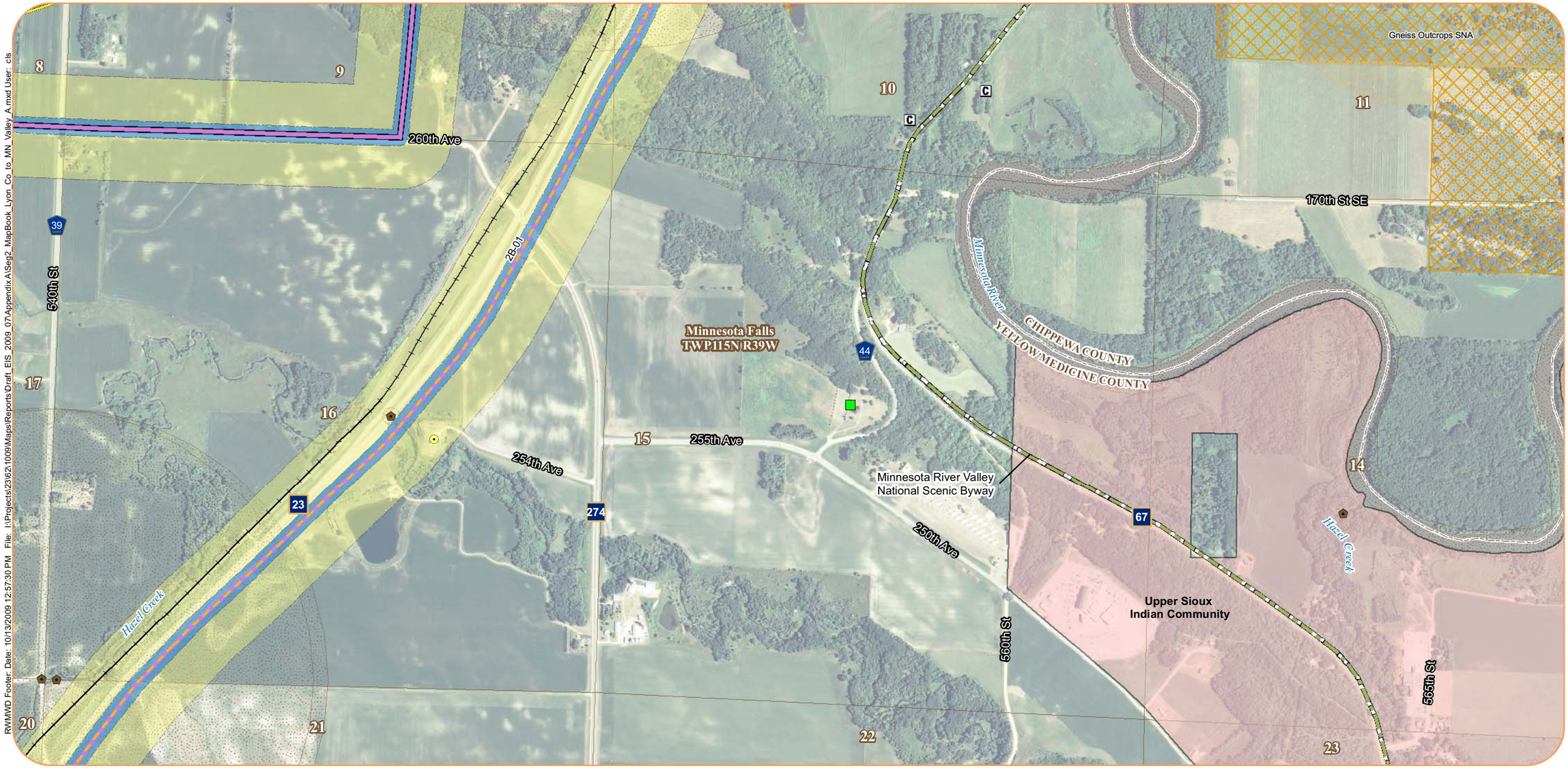
Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM18
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

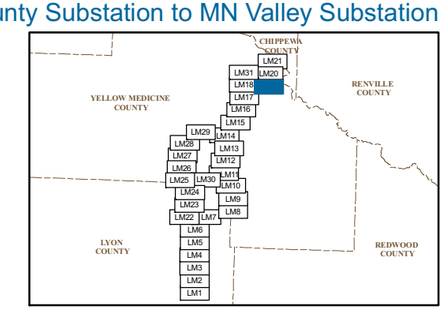
MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

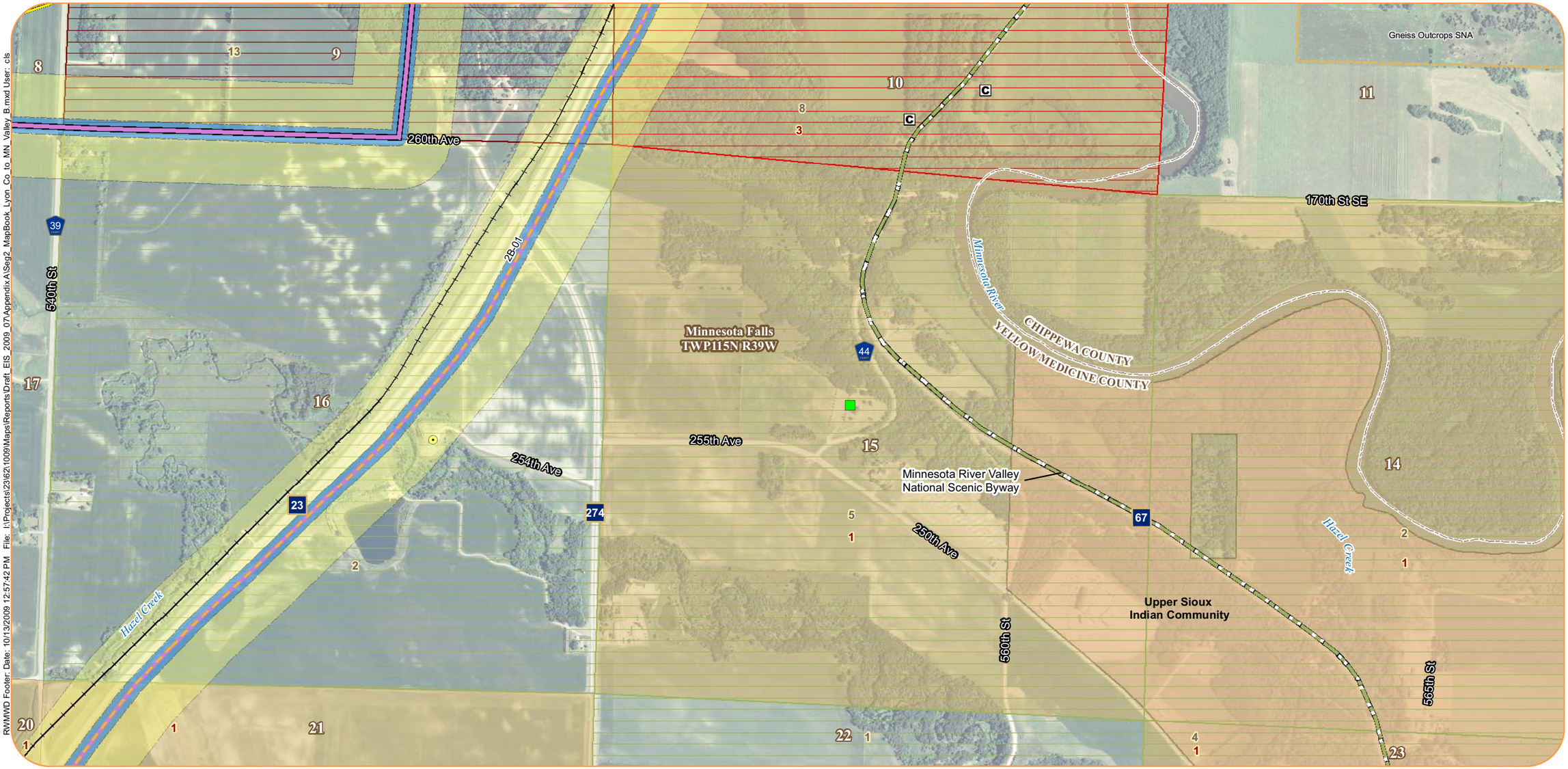
MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area

Appendix A - Sheet LM19A
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares

- Schools
- Narrrows
- Airport
- Organic Farms
- Center Pivot Irrigation
- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway

- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

Archaeological Sites
- 2 — 1 - 5
- 7 — 6 - 10
- 13 — 11 - 15

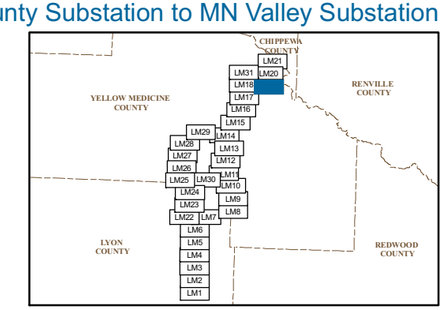
Historical Sites
- 2 — 1 - 5
- 10 — 6 - 20
- 53 — >20

0 500 1,000 Feet

0 250 500 Meters

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

Appendix A - Sheet LM19B
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation



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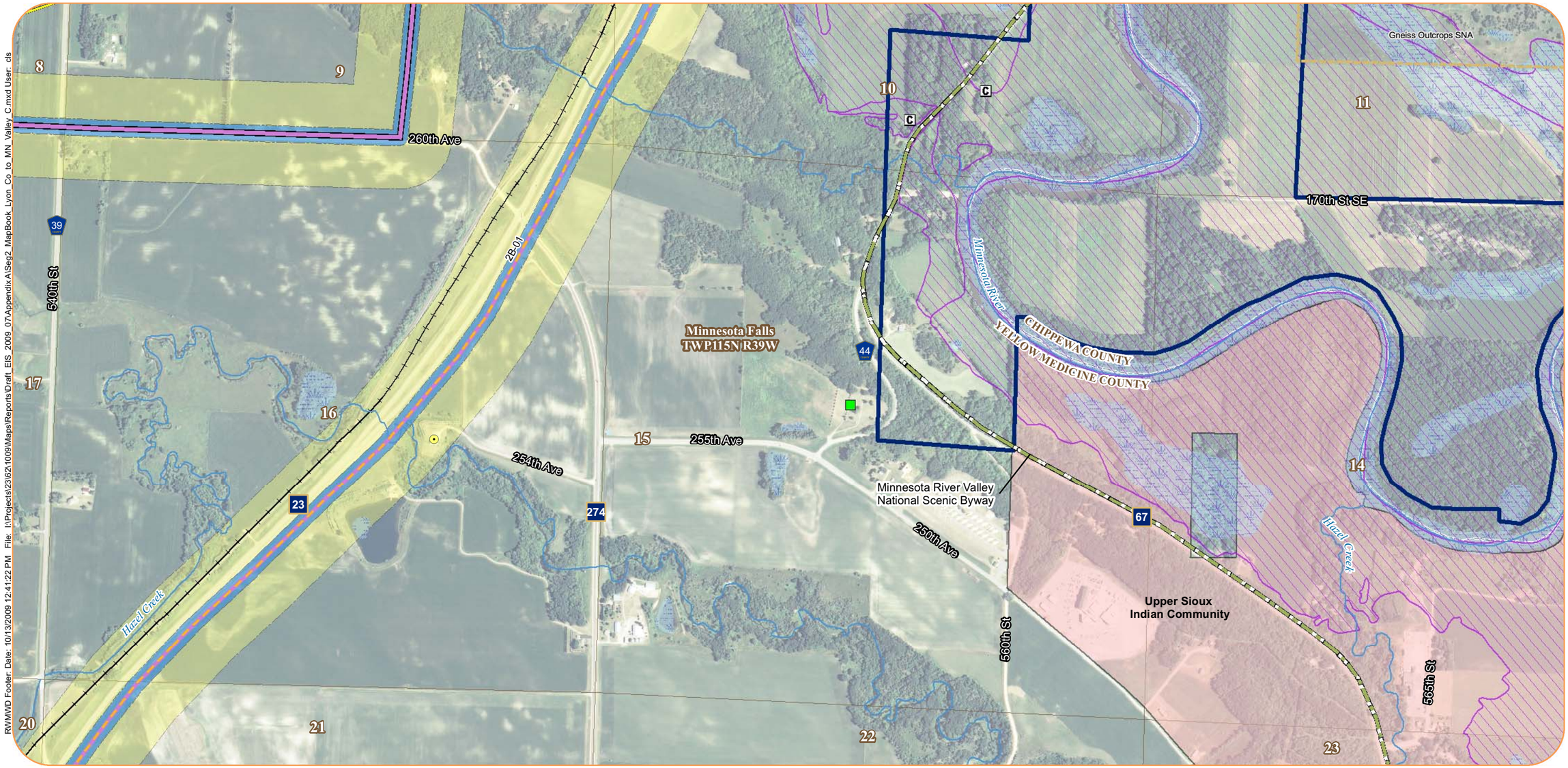

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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares

- Schools
- Narrrows
- Airport
- Organic Farms
- Center Pivot Irrigation
- State-Designated RR Prairie
- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway

- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land
- Trout Streams
- Q3 FEMA Floodplain
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse

- Wetland Crossings > 1,000 Feet

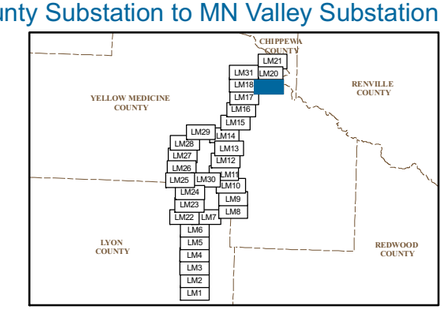
Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

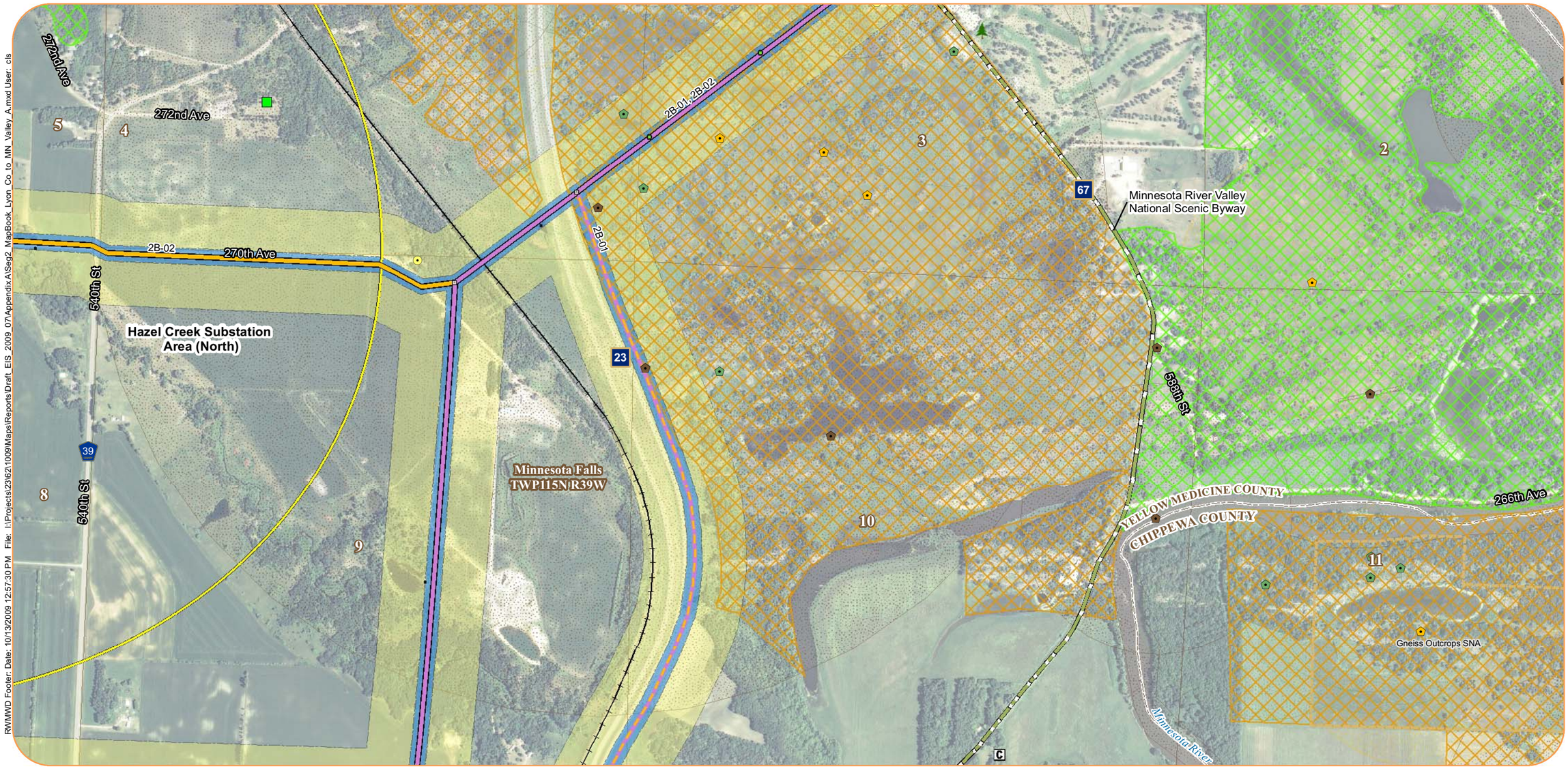
0 500 1,000 Feet

0 250 500 Meters

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

Appendix A - Sheet LM19C
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

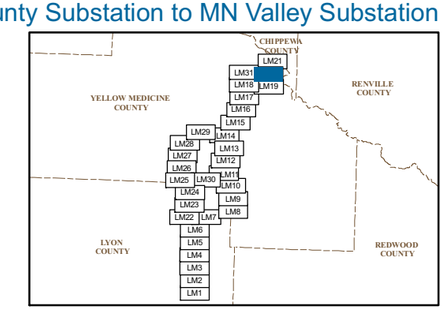
MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

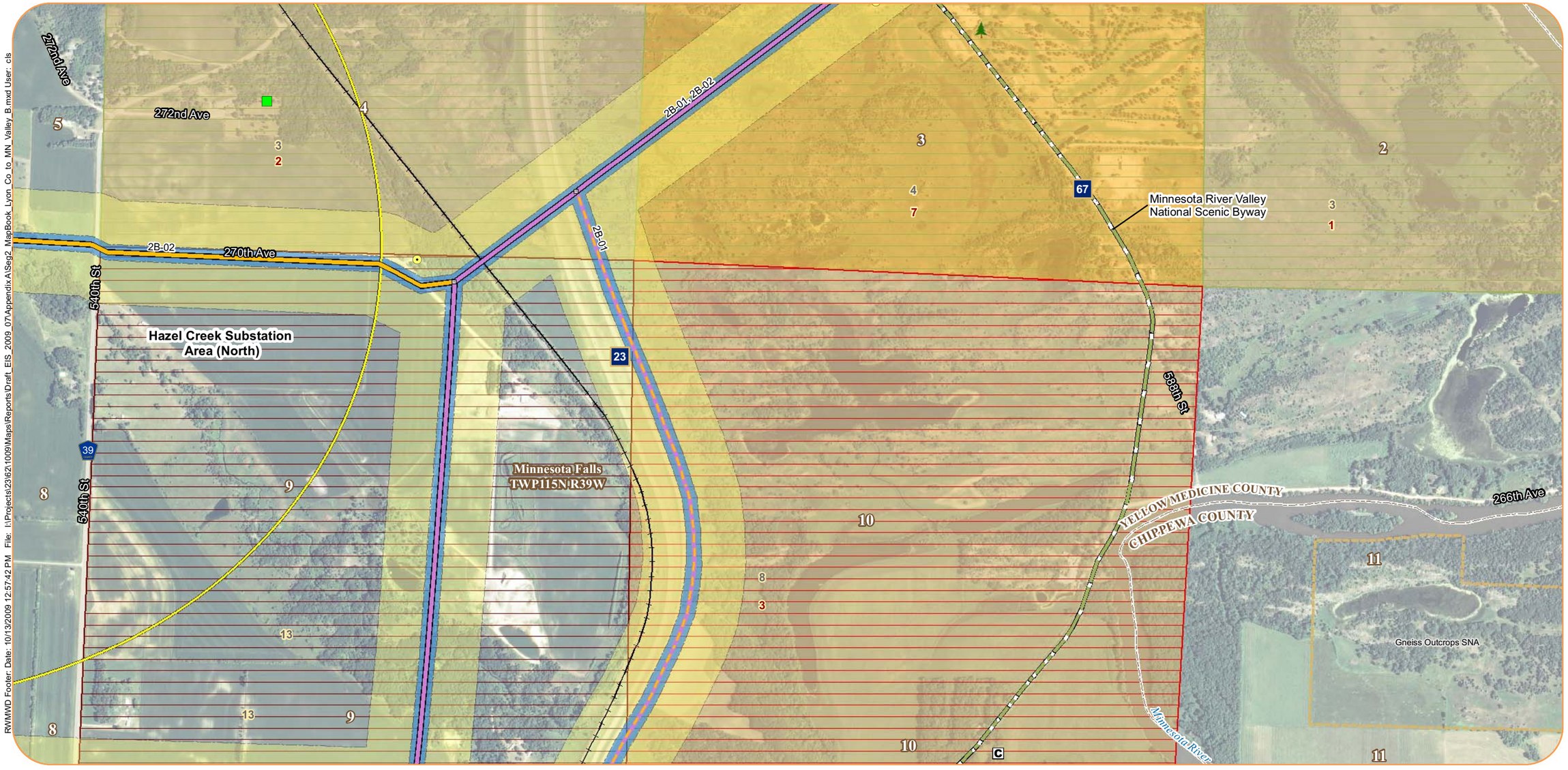
MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area

Appendix A - Sheet LM20A
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares

- Schools
- Narrrows
- Airport
- Organic Farms
- Center Pivot Irrigation
- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway

- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

Archaeological Sites
- 2 — 1 - 5
- 7 — 6 - 10
- 13 — 11 - 15

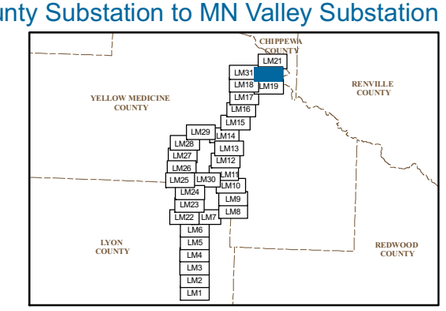
Historical Sites
- 2 — 1 - 5
- 10 — 6 - 20
- 53 — >20

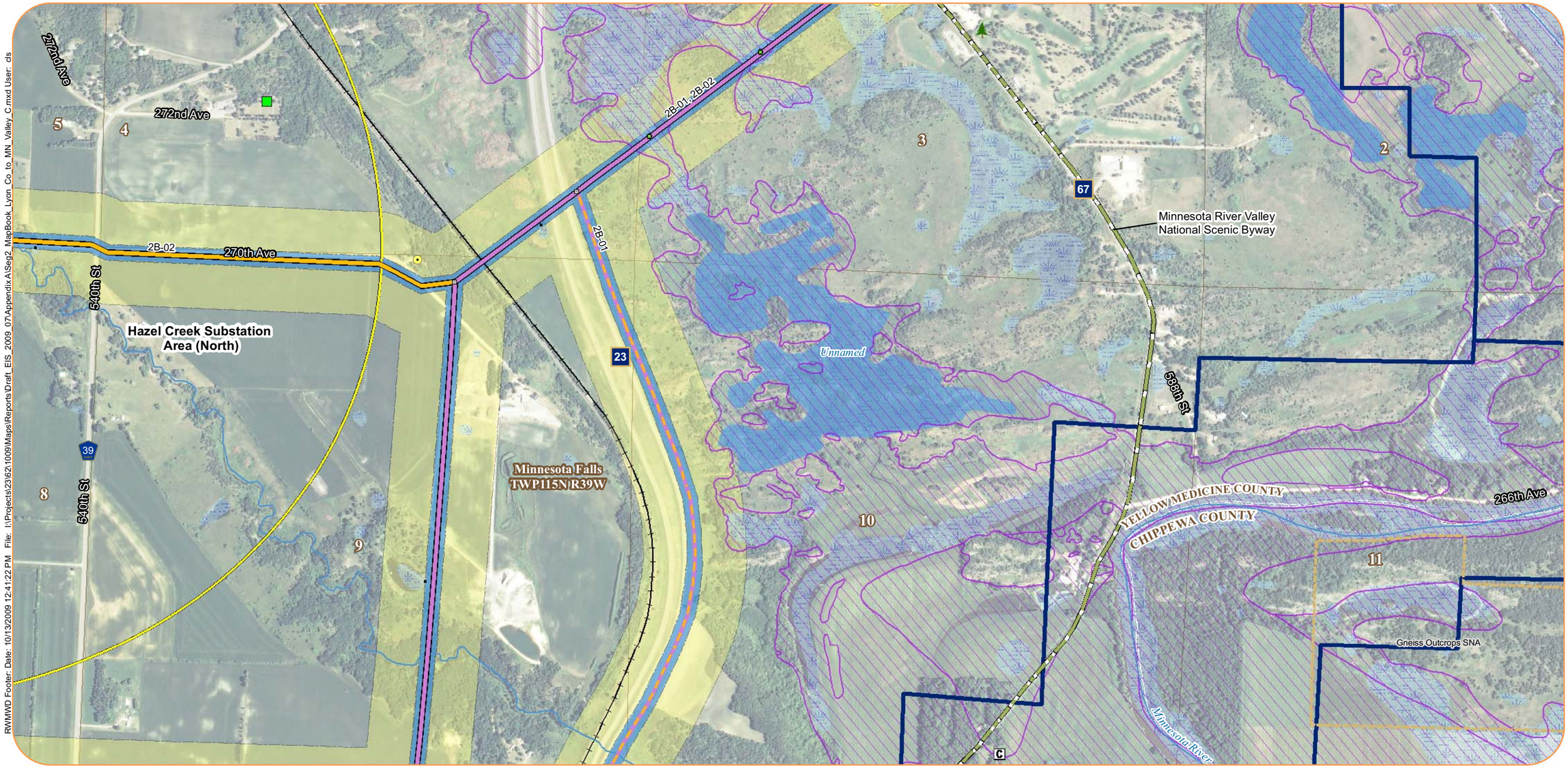
0 500 1,000 Feet

0 250 500 Meters

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

Appendix A - Sheet LM20B
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares

- Schools
- Narrrows
- Airport
- Organic Farms
- Center Pivot Irrigation
- State-Designated RR Prairie
- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway

- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land
- Trout Streams
- Q3 FEMA Floodplain
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse

- Wetland Crossings > 1,000 Feet

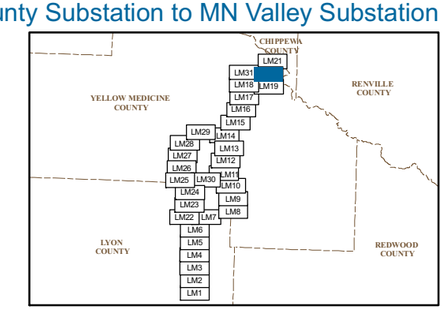
Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

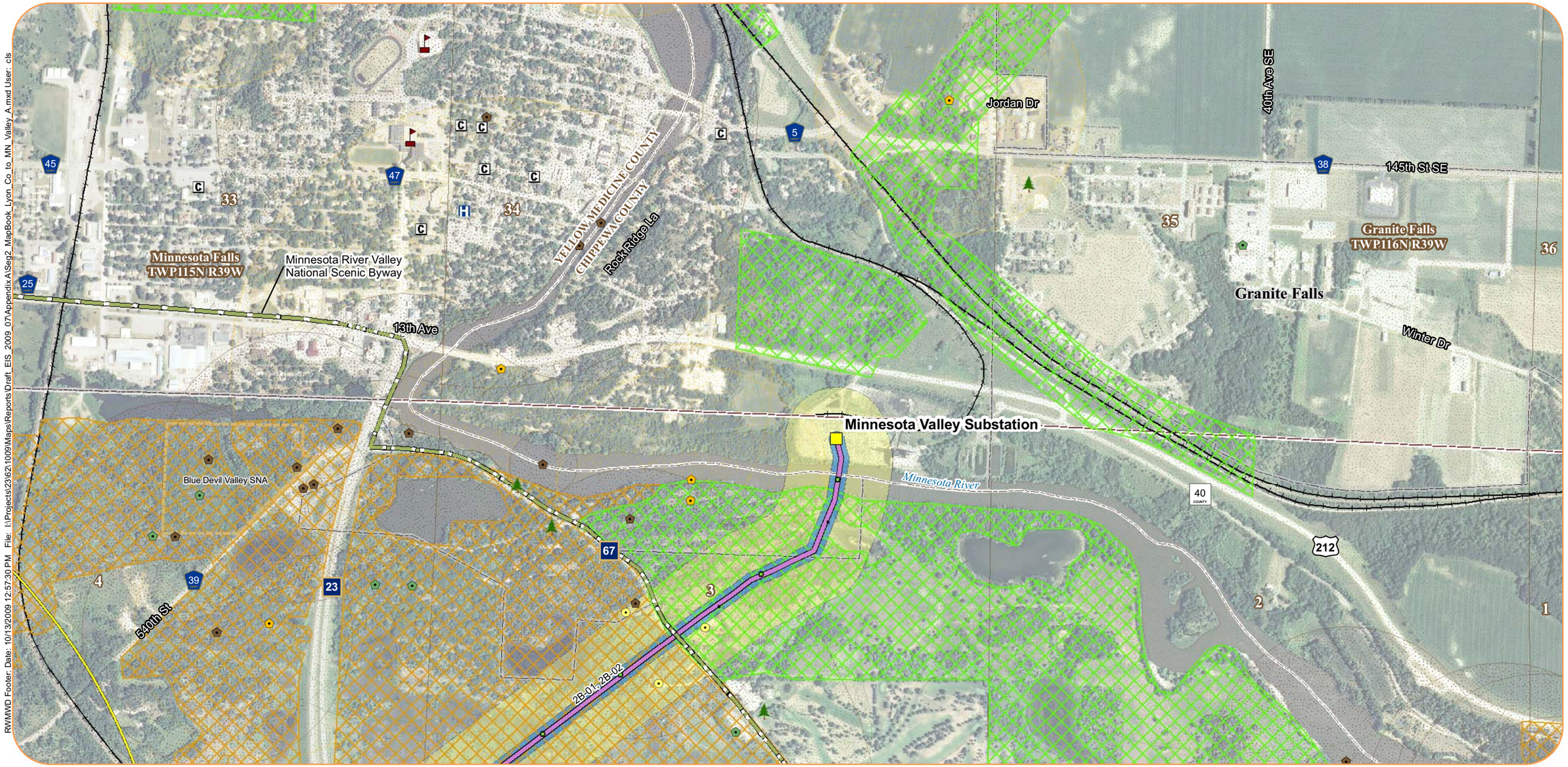
0 500 1,000 Feet

0 250 500 Meters

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

Appendix A - Sheet LM20C
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

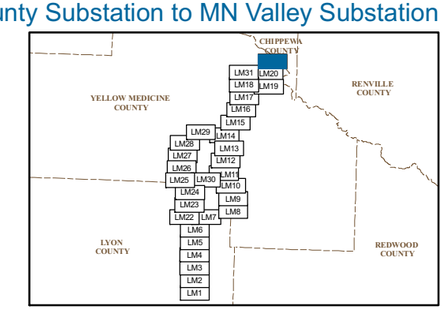
MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

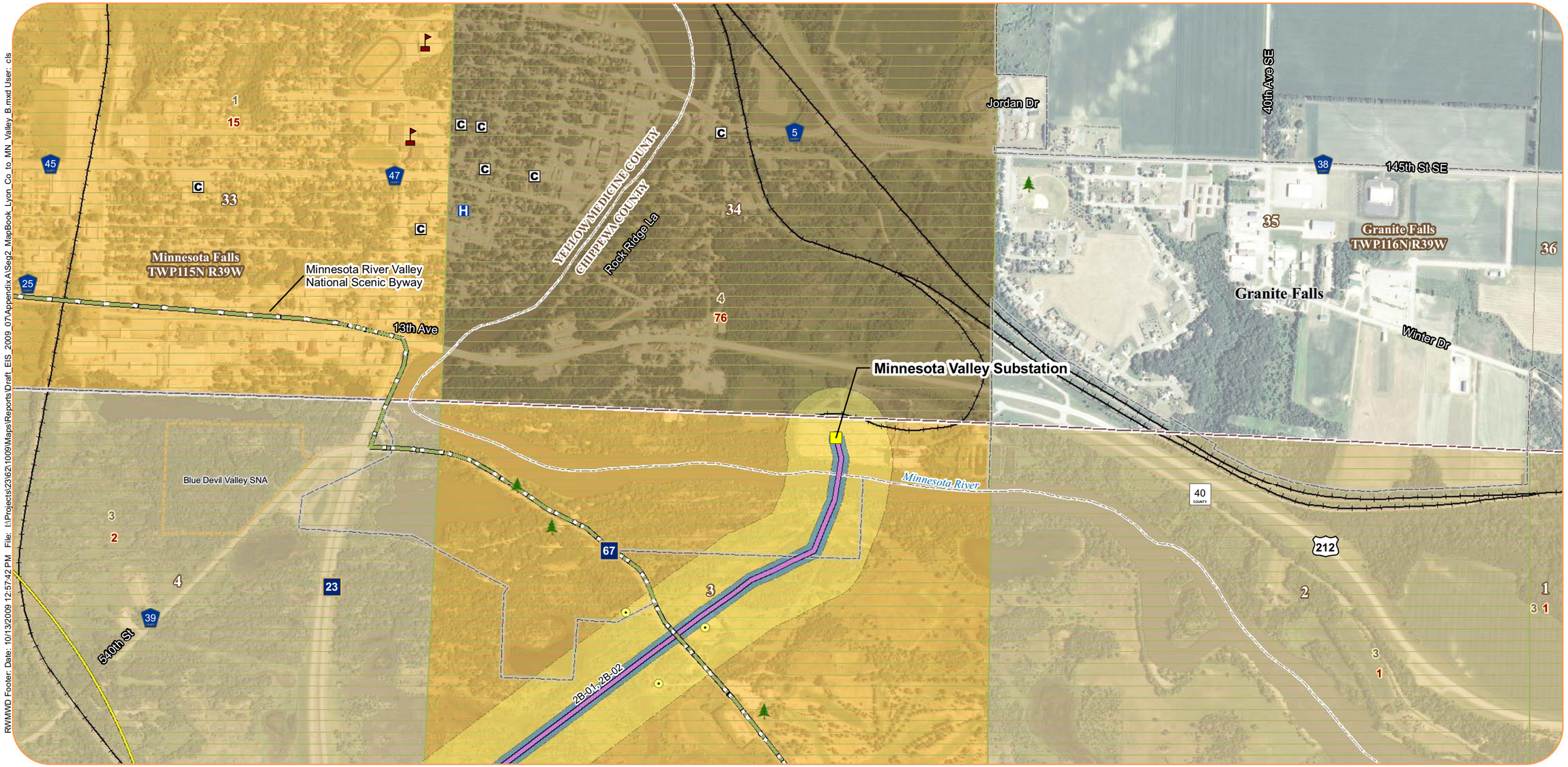
MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area

Appendix A - Sheet LM21A
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares

- Schools
- Narrows
- Airport
- Organic Farms
- Center Pivot Irrigation
- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway

- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

Archaeological Sites
- 2 — 1 - 5
- 7 — 6 - 10
- 13 — 11 - 15

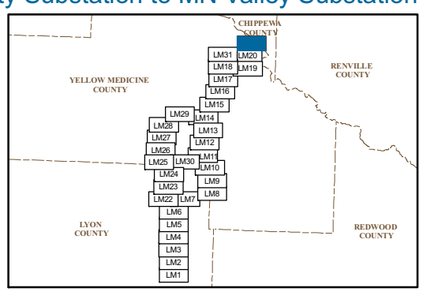
Historical Sites
- 2 — 1 - 5
- 10 — 6 - 20
- 53 — >20

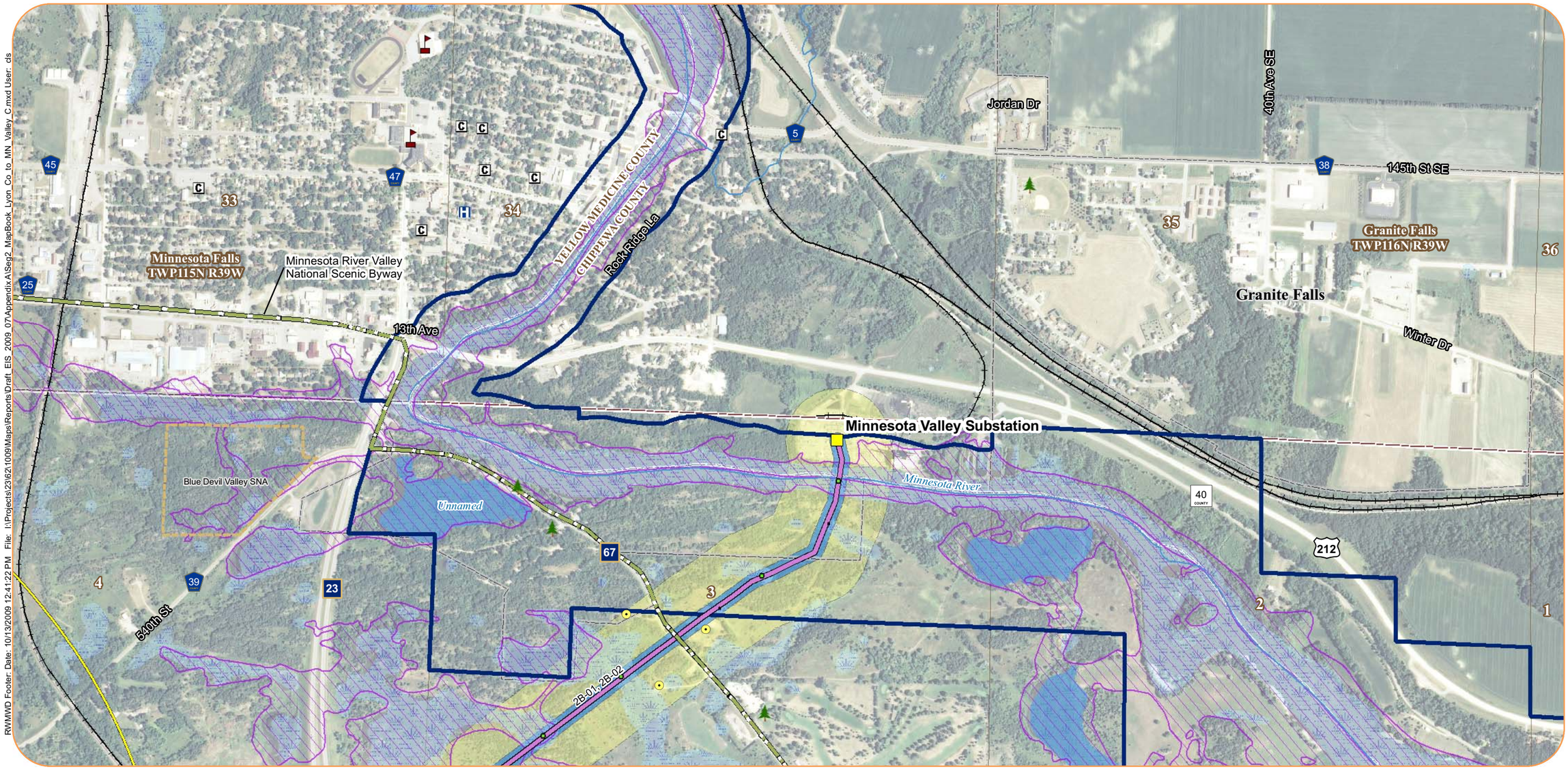
0 500 1,000 Feet

0 250 500 Meters

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

Appendix A - Sheet LM21B
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares

- Schools
- Narrrows
- Airport
- Organic Farms
- Center Pivot Irrigation
- State-Designated RR Prairie
- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway

- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land
- Trout Streams
- Q3 FEMA Floodplain
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse

- Wetland Crossings > 1,000 Feet

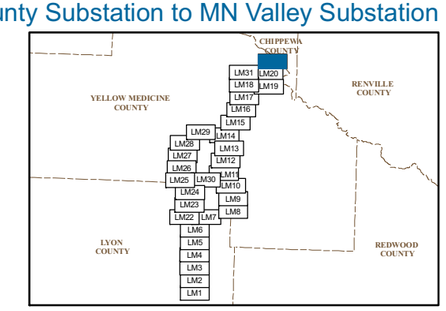
Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

0 500 1,000 Feet

0 250 500 Meters

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

Appendix A - Sheet LM21C
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation



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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

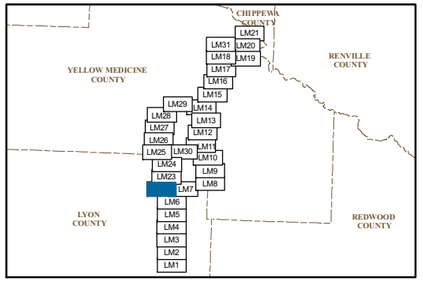
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

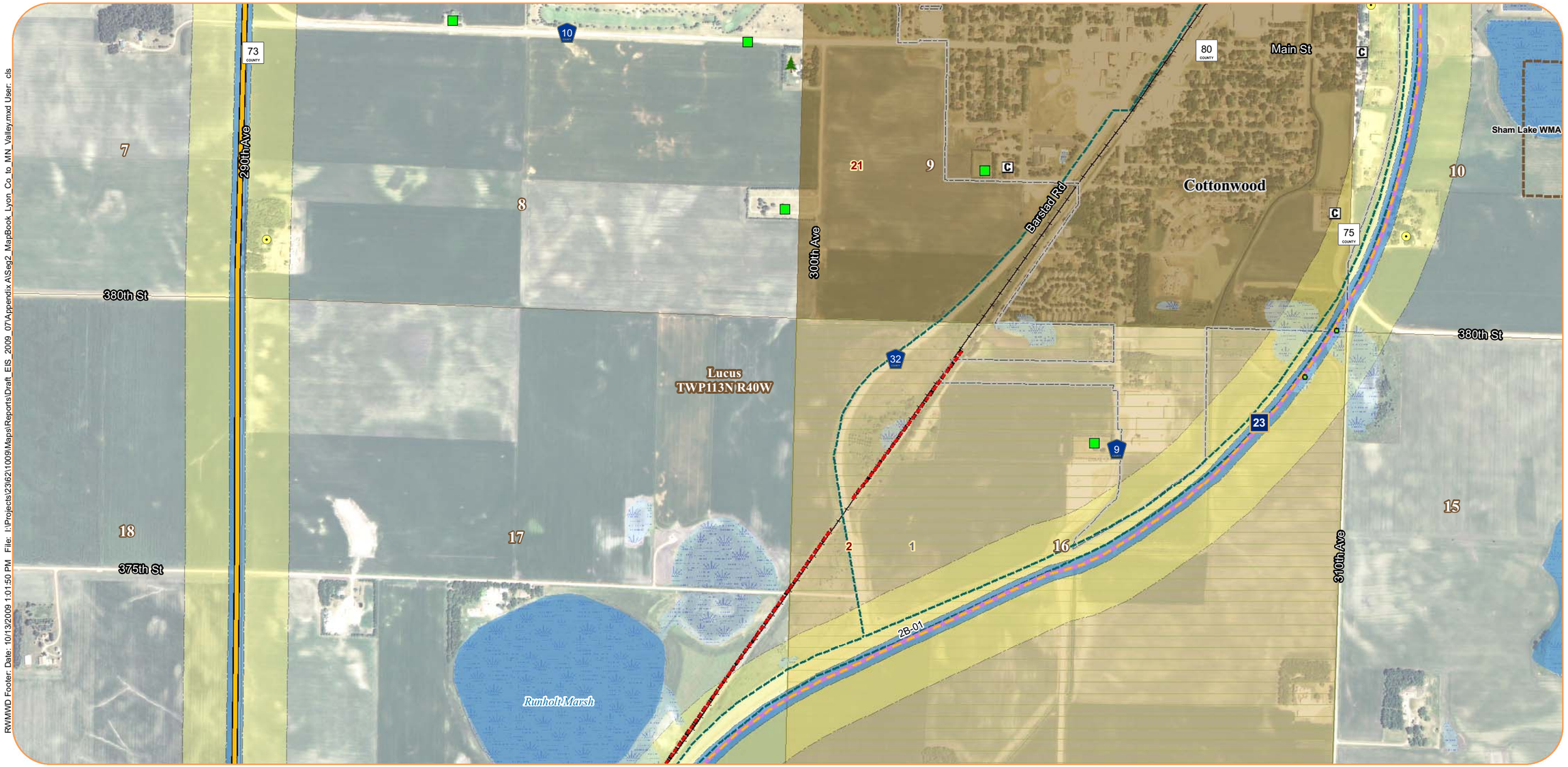
Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM22
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

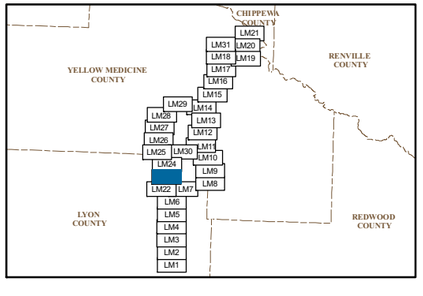
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

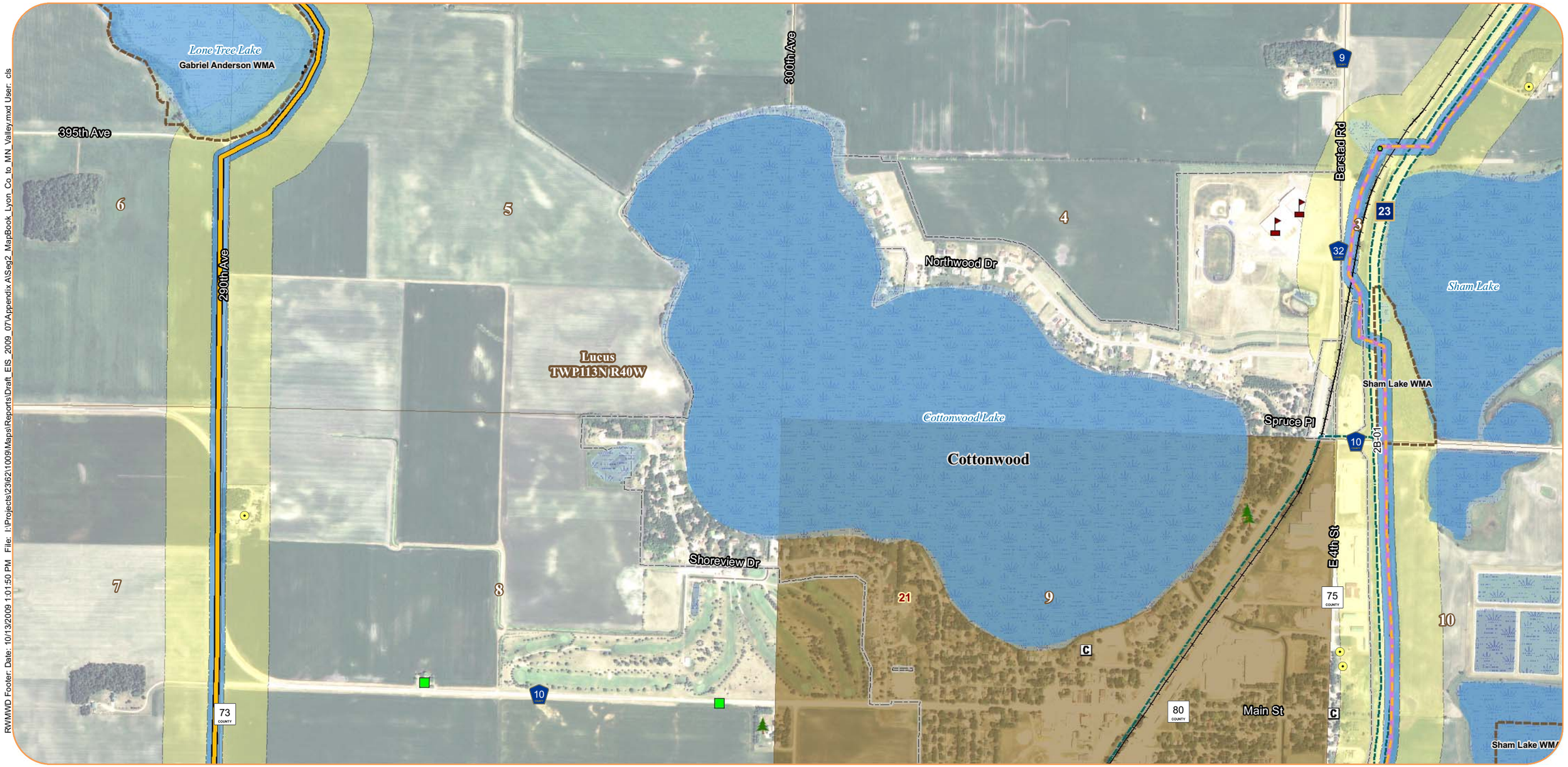
Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM23
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

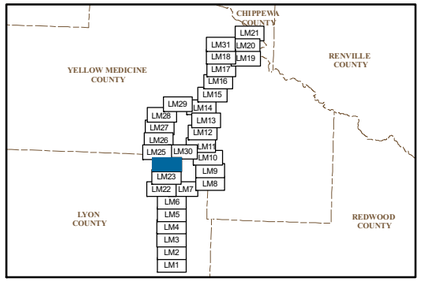
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

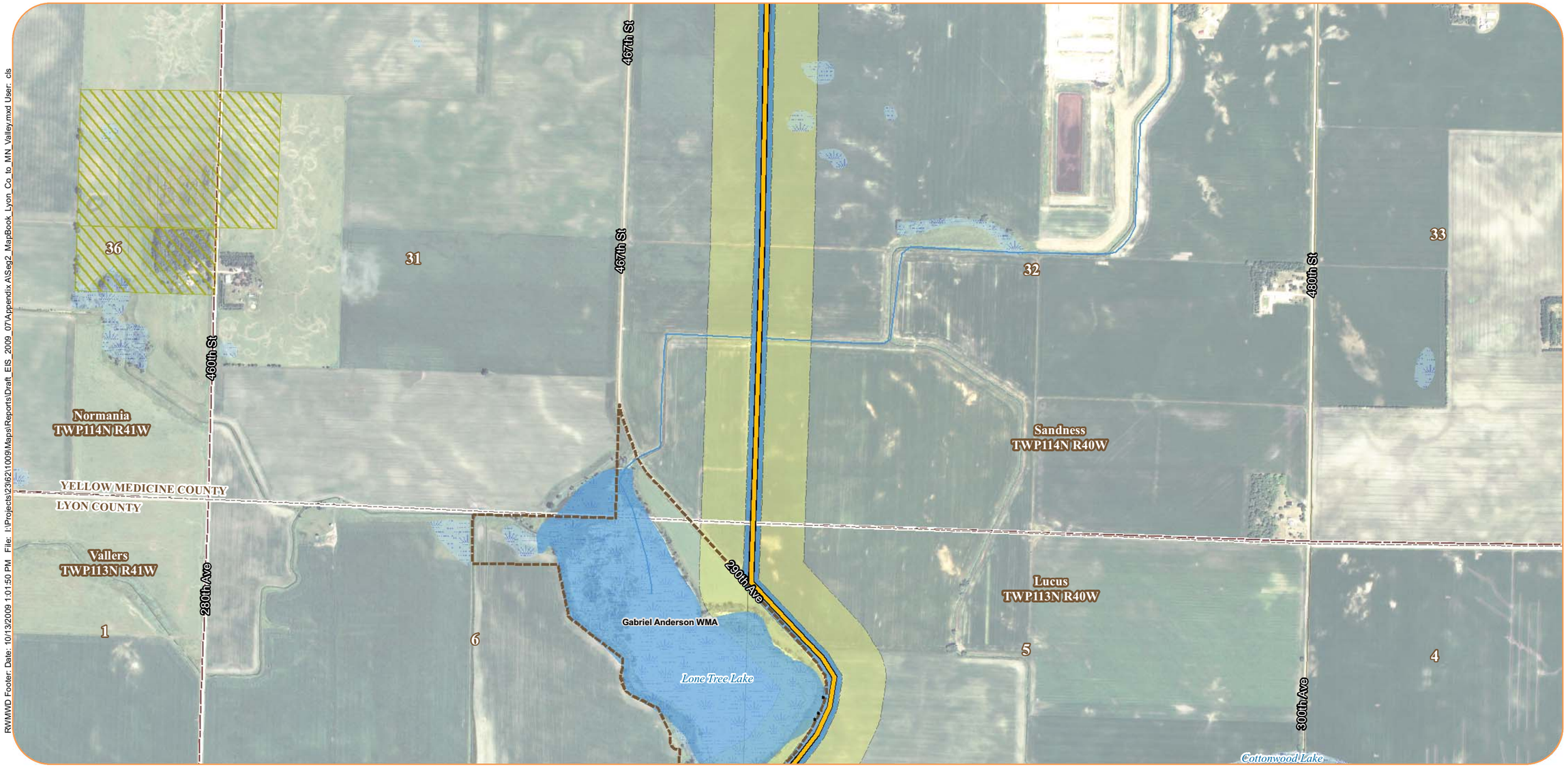
Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM24
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

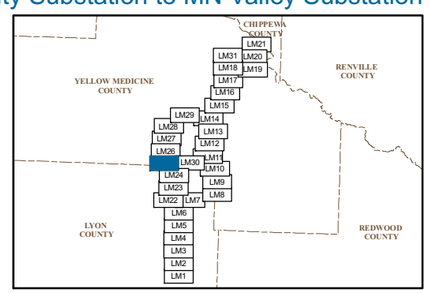
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM25
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation



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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

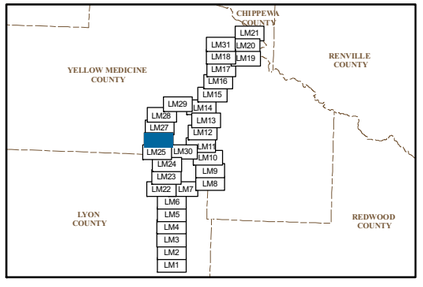
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

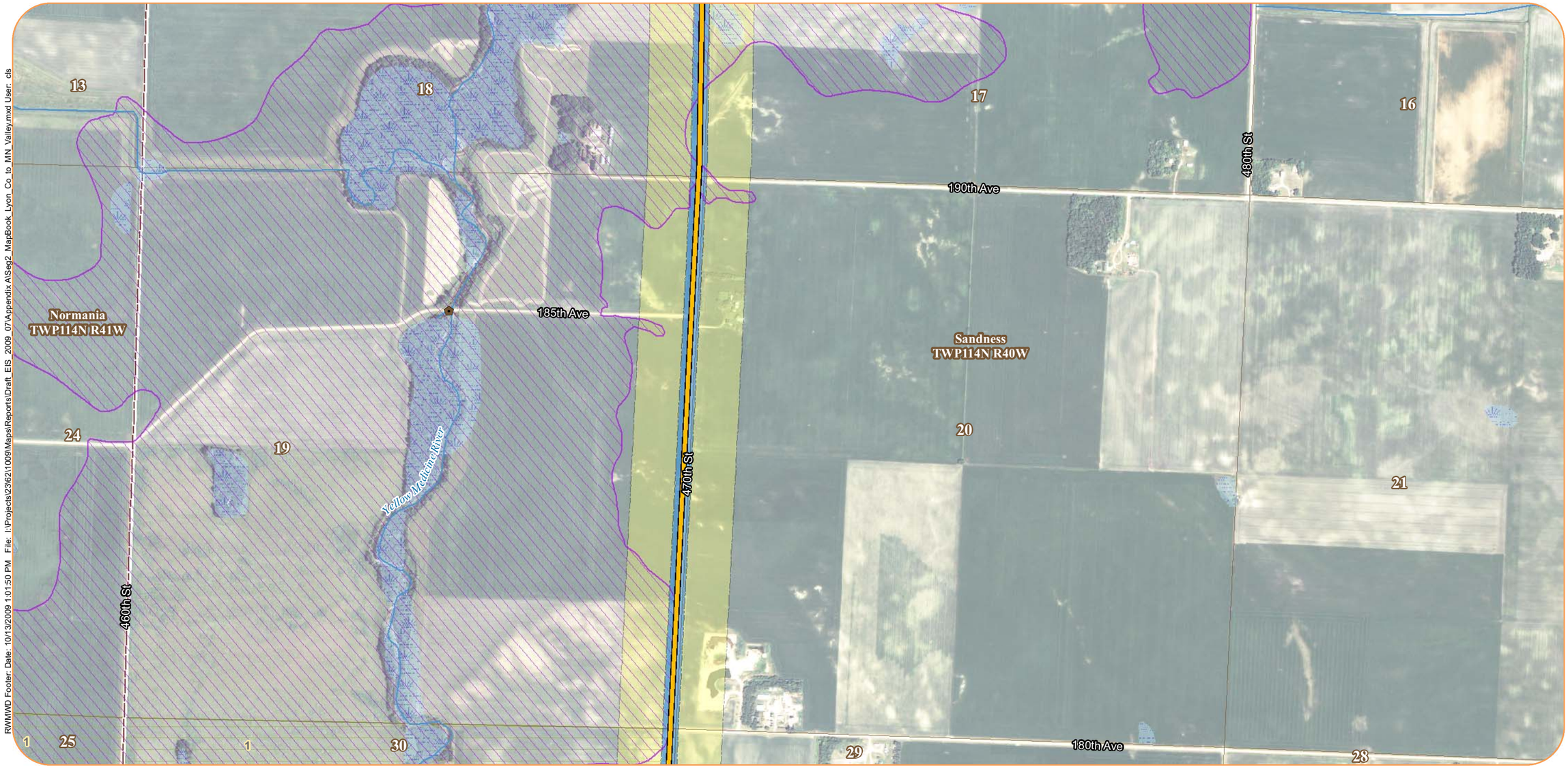
Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM26
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

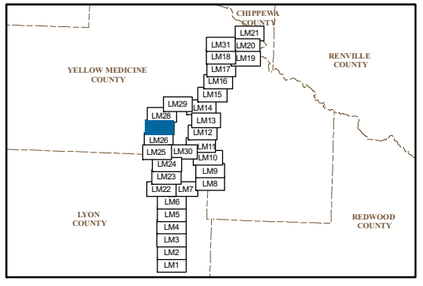
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

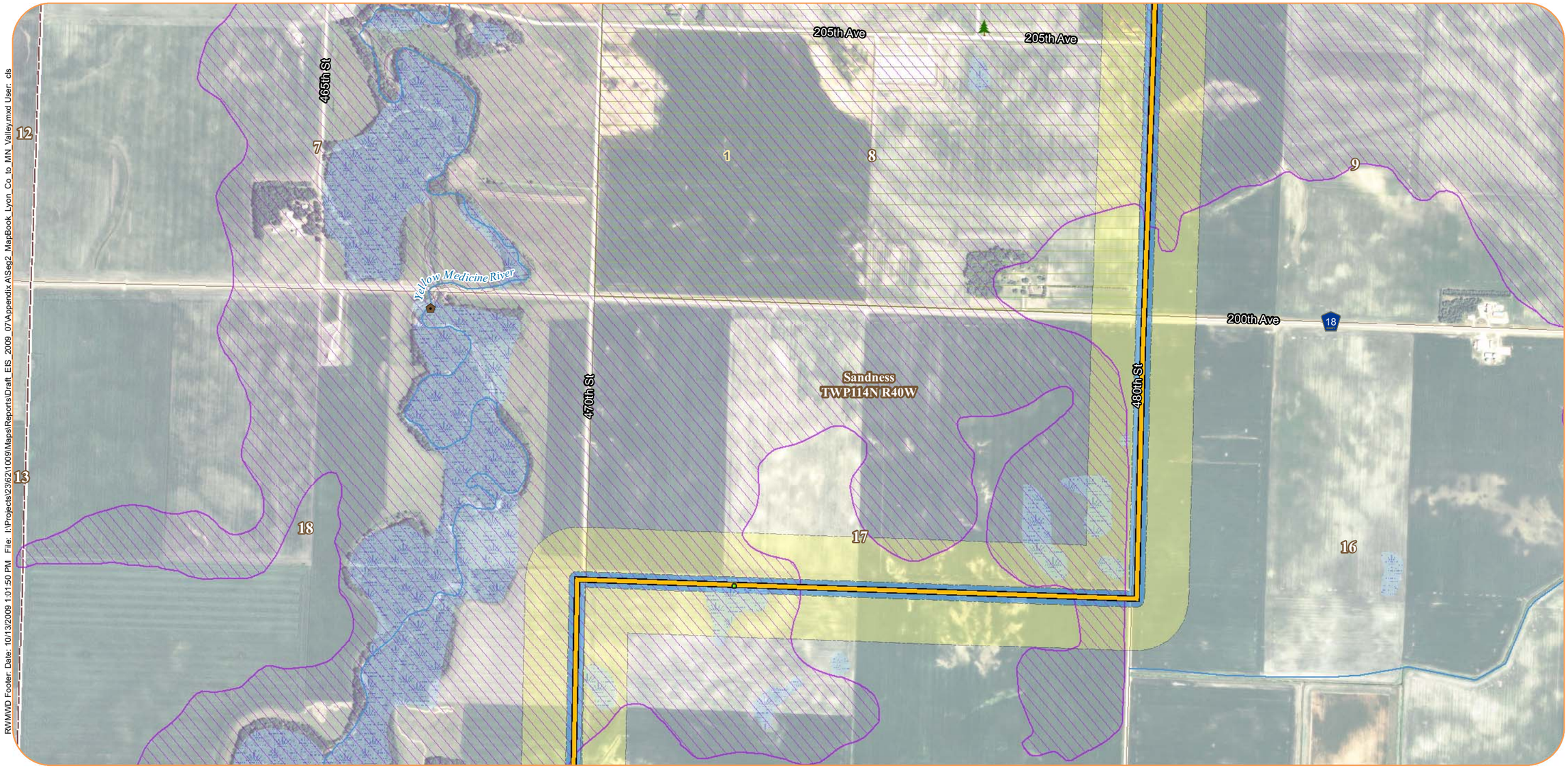
Wetland Area (acres) within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM27 Detail Map Segment 2, Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

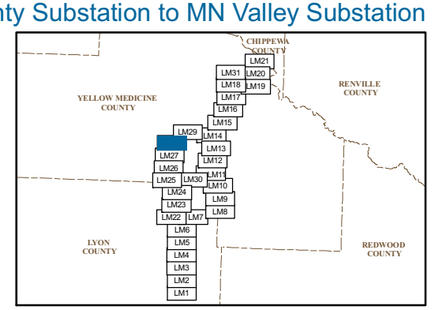
- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

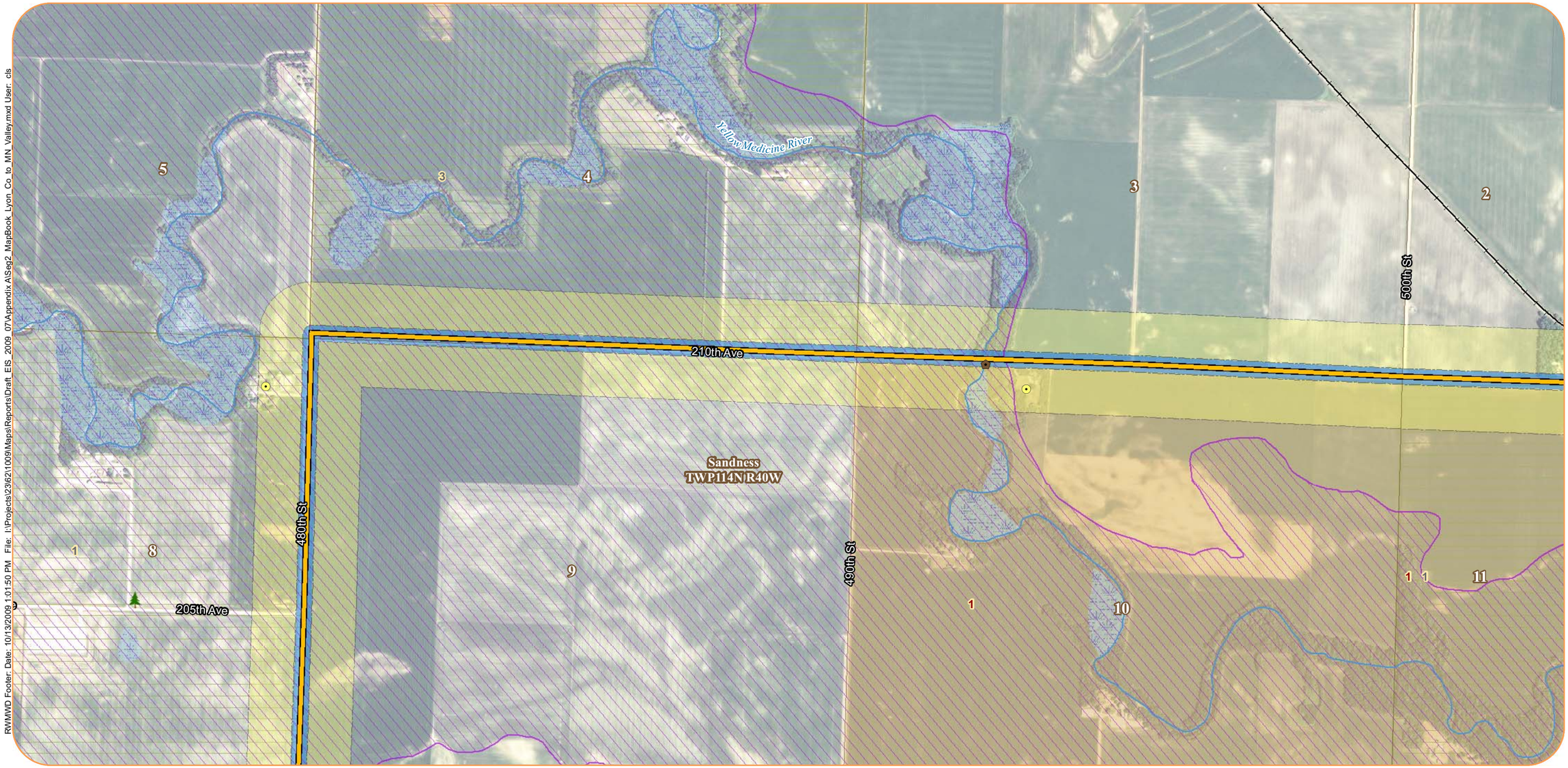
Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 1 - 5
- 7 6 - 10
- 13 11 - 15

Historical Sites
- 2 1 - 5
- 10 6 - 20
- 53 >20

Appendix A - Sheet LM28
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation





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Original Alignments
- Preferred Route
- Alternate Route

Additional Alternative Routes
- Variation on Preferred Route
- Variation on Alternate Route
- Variation on Both

0 500 1,000 Feet

0 250 500 Meters

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

- Project Substations

Proposed Substation Areas
- Preferred
- Alternate
- 150-foot ROW
- 1,000-foot Route Width
- Residences within 75 Feet
- Residences within 500 Feet
- Churches
- Cemeteries
- Hospitals
- Nursing Homes
- Observed Day Cares
- Schools
- Narrrows

- Airport
- Organic Farms
- Center Pivot Irrigation

MN DNR Natural Heritage
- Botanical
- Ecological
- Zoological
- Botanical
- Ecological
- Zoological

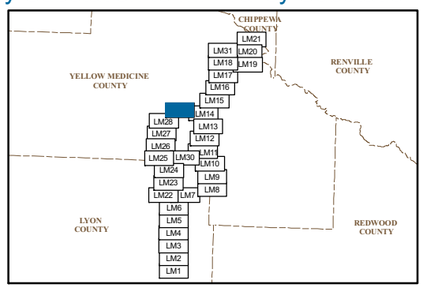
MCBS Biodiversity Significance
- Moderate Significance
- High Significance
- Outstanding Significance
- State-Designated RR Prairie

- Recreation Area
- Regional Existing Trail
- Regional Planned Trail
- Regional Proposed Trail
- State Existing Trail
- Snowmobile Trail
- Scenic Byway
- Regional Park
- Scientific & Natural Area
- State Park
- State Recreation Area
- State Wayside
- Wildlife Management Area
- Wildlife Refuge
- Tribal Land

- Fish Technology Center
- Fisheries Research Station
- National Fish Hatchery
- National Wildlife Refuge
- Waterfowl Production Area
- Q3 FEMA Floodplain
- Trout Streams
- Wild and Scenic Rivers
- Wetland (NWI)
- Designated Wildlife Lakes
- Public Waters Inventory Basins
- Public Water Inventory Watercourse
- Wetland Crossings > 1,000 Feet

Wetland Area (acres)
within 150-foot ROW
- 0.0 - 0.5
- 0.6 - 2.5
- 2.6 - 5.0
- 5.1 - 10.0
- 10.1 - 20.4

Archaeological Sites
- 2 — 1 - 5
- 7 — 6 - 10
- 13 — 11 - 15

Historical Sites
- 2 — 1 - 5
- 10 — 6 - 20
- 53 — >20

Appendix A - Sheet LM29
Detail Map
Segment 2,
Lyon County Substation to MN Valley Substation