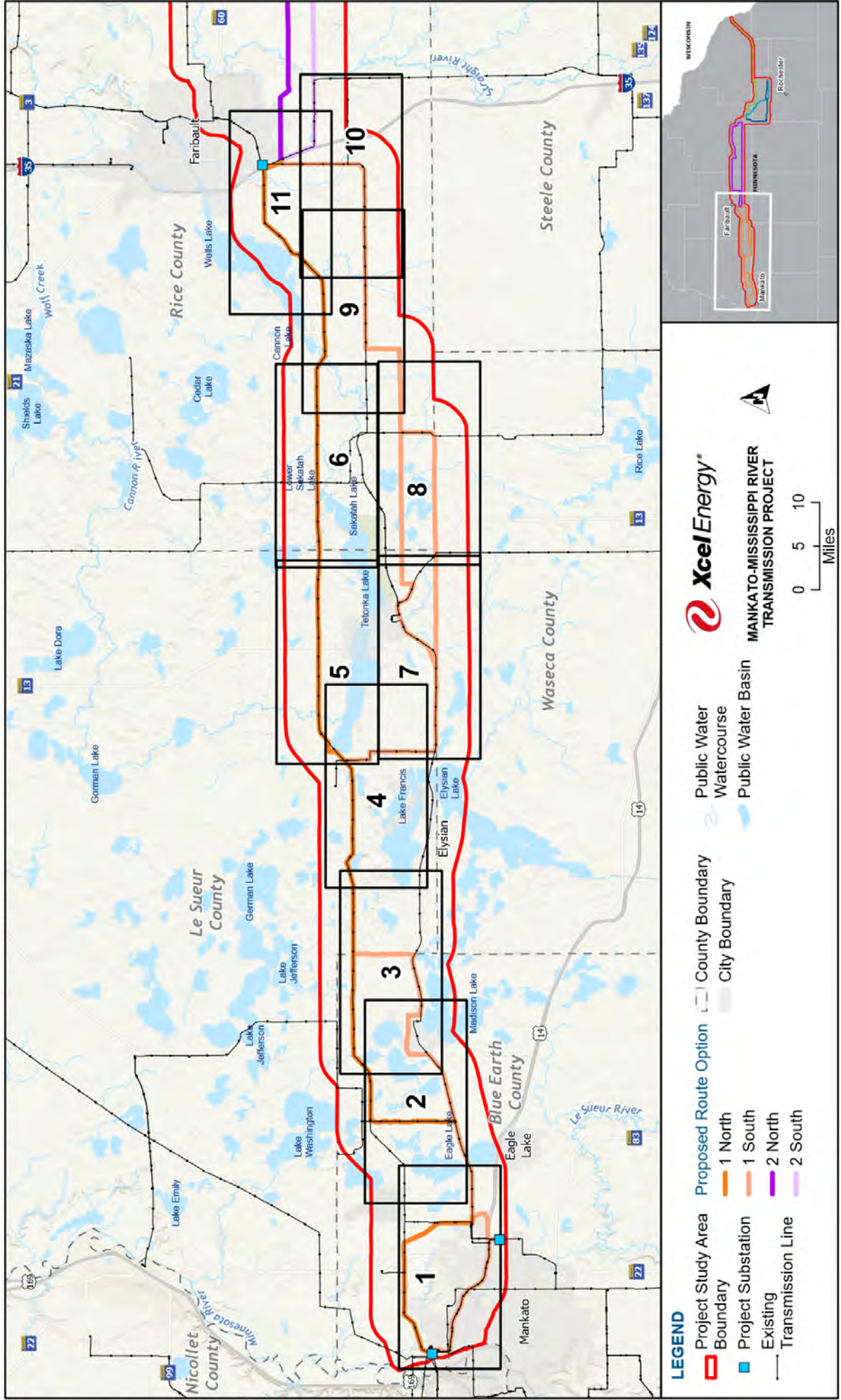


Appendix K

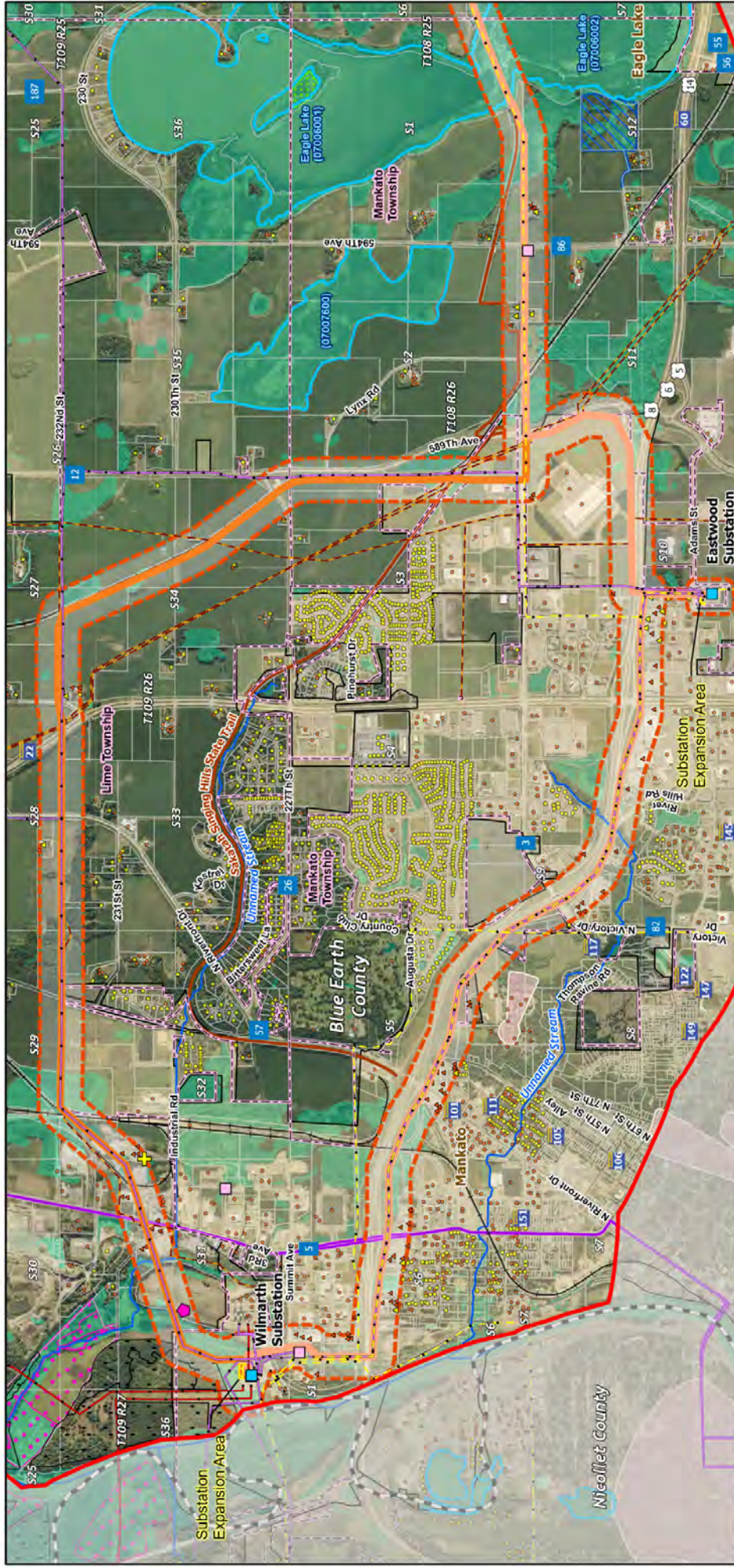
Detailed Route Maps

Appendix K
Mankato – Mississippi River Transmission Project
Certificate of Need and Route Permit Application
E002/CN-22-532 and E002/TL-23-157

DETAILED MAPBOOK OVERVIEW: SEGMENT 1



DETAILED MAPBOOK: SEGMENT 1



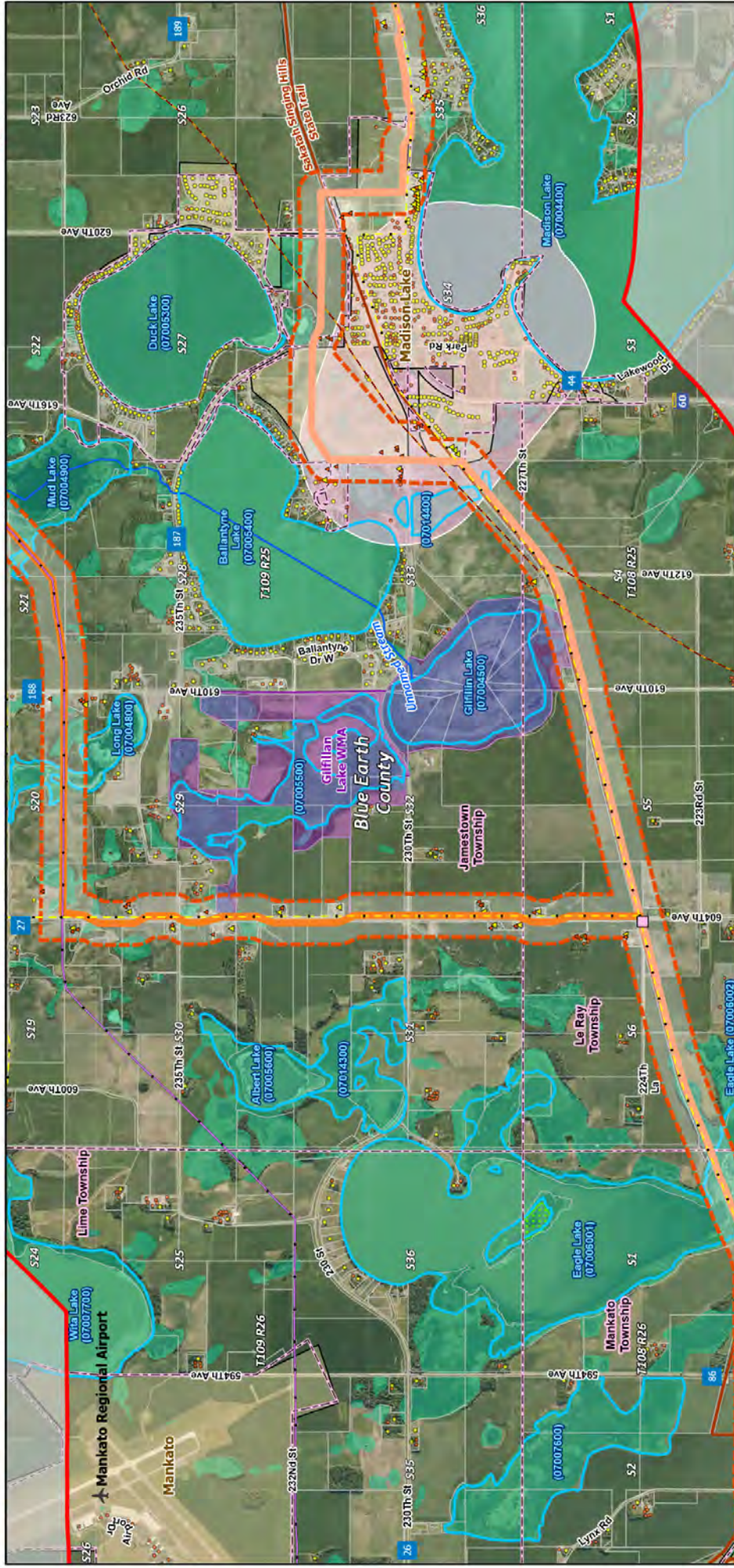
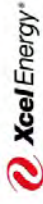
LEGEND

Project Study Area Boundary	Existing Transmission Line	Parcel	BWSR RIM Conservation Easement	Structure in Proposed Route: Residence
Proposed Route	69 kV	Wellhead Protection Area	DNR Native Plant Community	Not a residence
Substation Expansion Area	115 kV	Public Water Course	State Forest	Structure Outside Proposed Route
Project Substation	345 kV	Undelineated National Wetland Inventory	Commercial Aggregate	Residence
Proposed Route Option	Scenic Byway	Waterfowl Production Area	Rock Quarry	Not a residence
1 North	Pipeline in Study Area (NPMIS)			
	County Boundary			
	Township Boundary			
	City Boundary			

Scale: 1 inch equals 2,250 feet | 1:27,000
0 1 Miles

Page 1 of 11

DETAILED MAPBOOK: SEGMENT 1



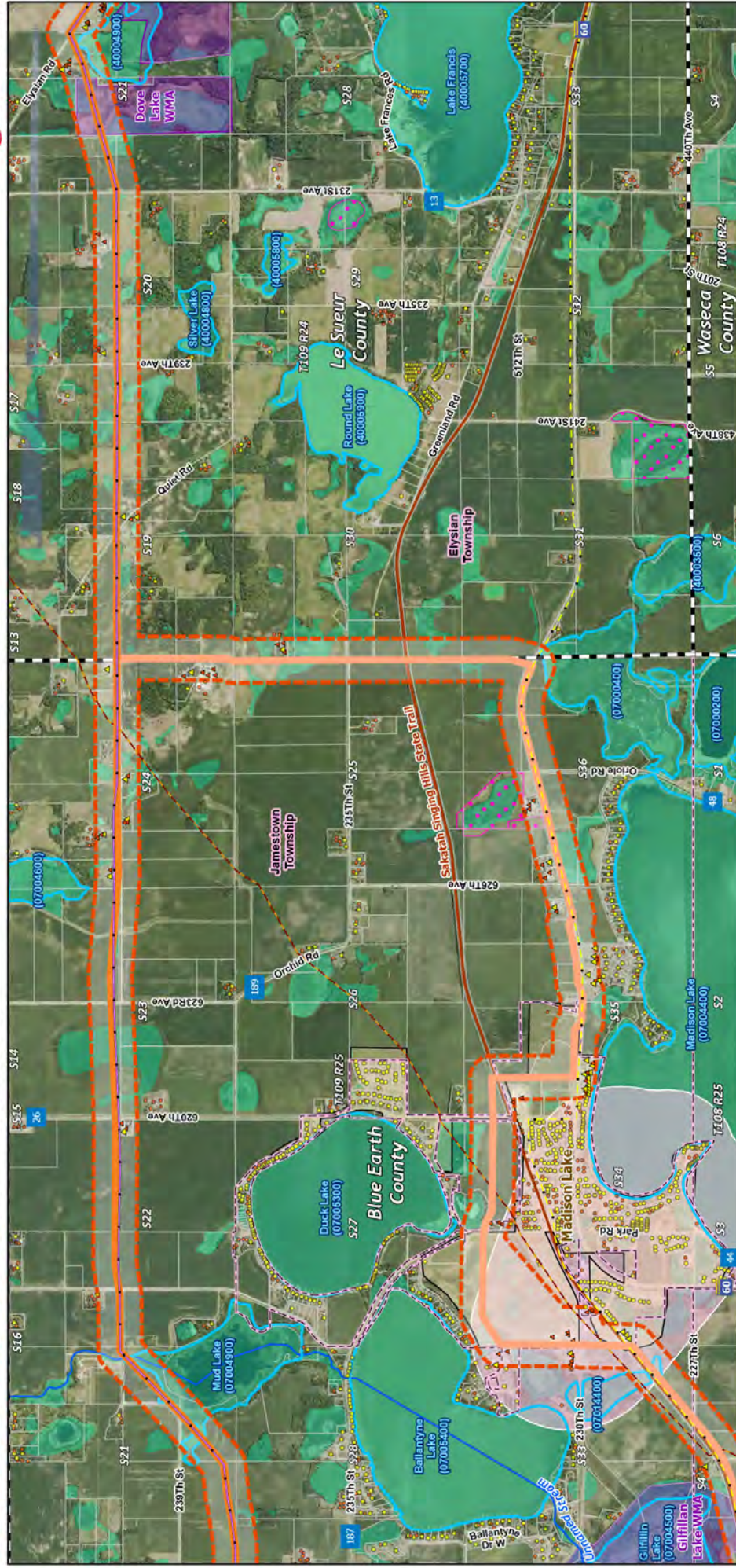
LEGEND

- Project Study Area
- Boundary
- Proposed Route
- Proposed Route Option
 - 1 North
 - 1 South
- Public Airport
- Existing Substation
- Railroad
- State Trail
- Pipeline in Study Area (NPMS)
- Existing Transmission Line
 - 69 KV
- 115 KV
- Township Boundary
- City Boundary
- Parcel
- Wellhead Protection Area
- Public Water Watercourse
- Public Water Basin
 - Undelineated National Wetland Inventory
 - State Forest
 - Wildlife Management Area
- Structure in Proposed Route
 - Residence
 - Not a residence
- Structure Outside Proposed Route
 - Residence
 - Not a residence

Scale: 1 inch equals 2,250 feet / 1:2250
 0 1 Miles

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DETAILED MAPBOOK: SEGMENT 1



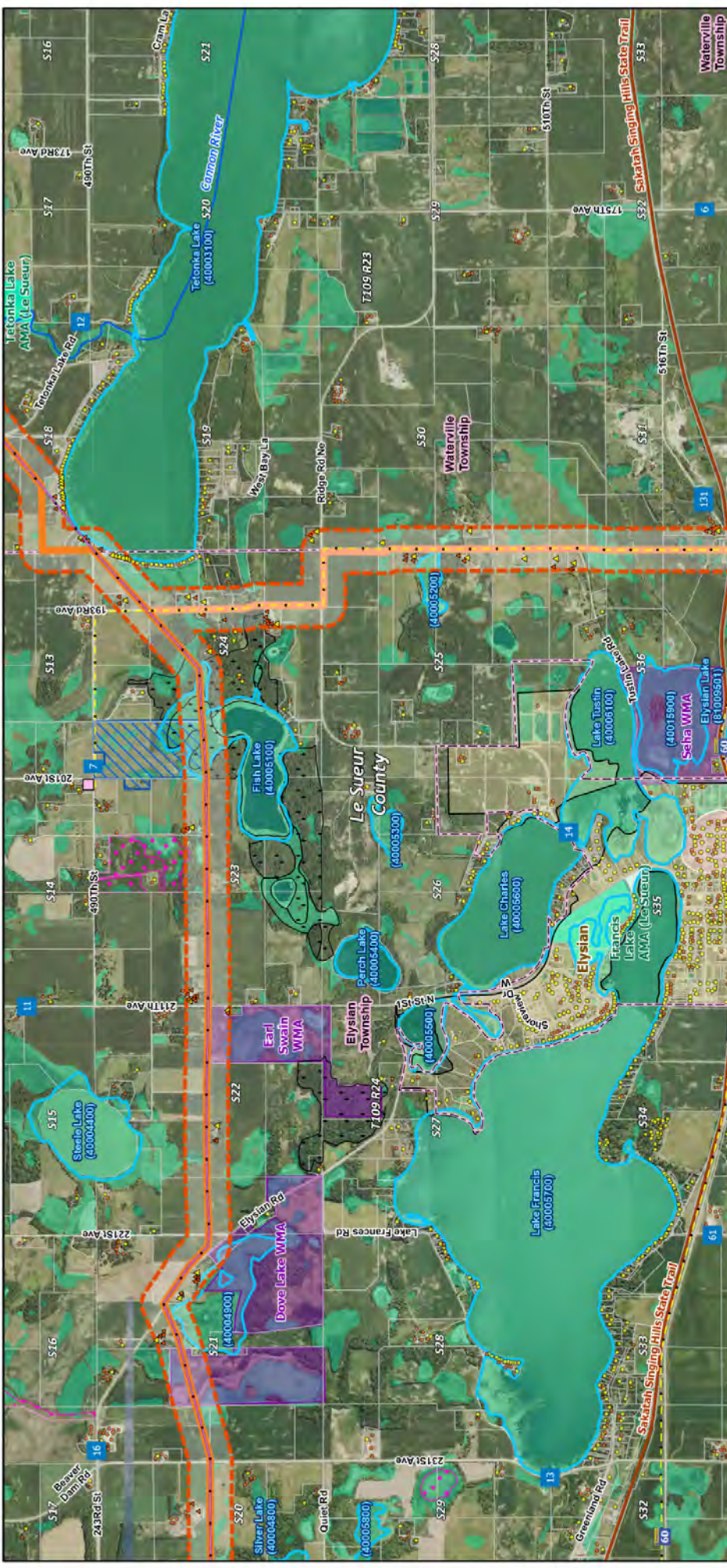
LEGEND

Project Study Area Boundary	City Boundary	Pipeline in Study Area (NPMS)	Undelineated National Wetland Inventory	Structure in Proposed Route
Proposed Route	Parcel	Existing Transmission Line	BWSR RIM Conservation Easement	Residence
Proposed Route Option	Wellhead Protection Area	69 kV	Wildlife Management Area	Not a residence
1 North	Public Water Watercourse	115 kV	Residence	Not a residence
1 South	Public Water Basin	County Boundary		
State Trail	Township Boundary			

Scale: 1 inch equals 2,250 feet / 1:225,000
 0 1 Miles

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DETAILED MAPBOOK: SEGMENT 1

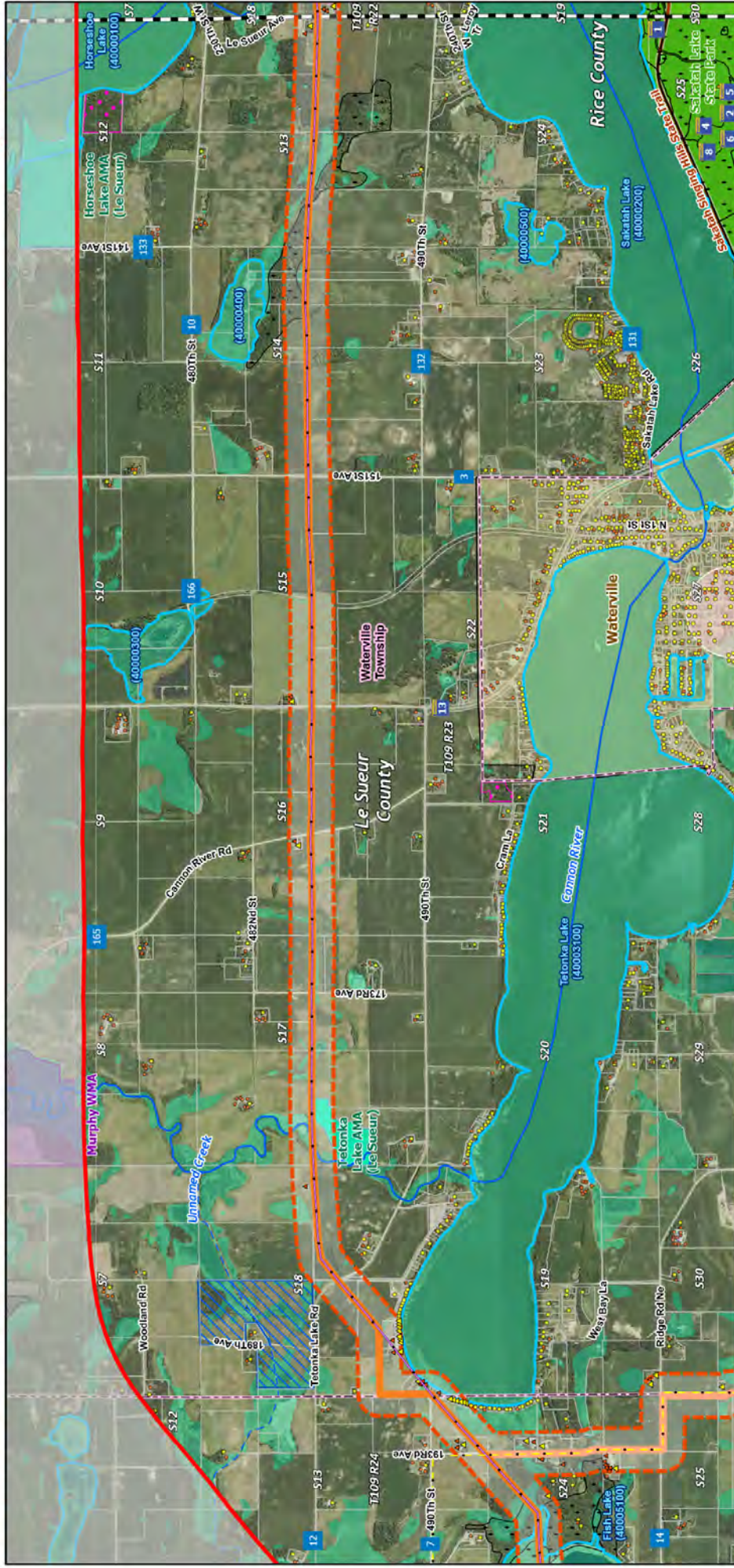


LEGEND

Project Study Area Boundary	State Trail	Wellhead Protection Area	BWSR RIM Conservation Easement	Structure in Proposed Route Residence
Proposed Route	Existing Transmission Line 69 kV	Public Water Watercourse	DNR Native Plant Community	Not a residence
Proposed Route Option	Public Water Basin	Undelineated National Wetland Inventory	Aquatic Management Area	Structure Outside Proposed Route Residence
1 North	Township Boundary	Waterfowl Production Area	Public Water Access	Not a residence
1 South	City Boundary	Wildlife Management Area	Wildlife Management Area	
Existing Substation	Parcel			

Page 4 of 11
1 inch equals 2,250 feet
0 1 Miles

DETAILED MAPBOOK: SEGMENT 1



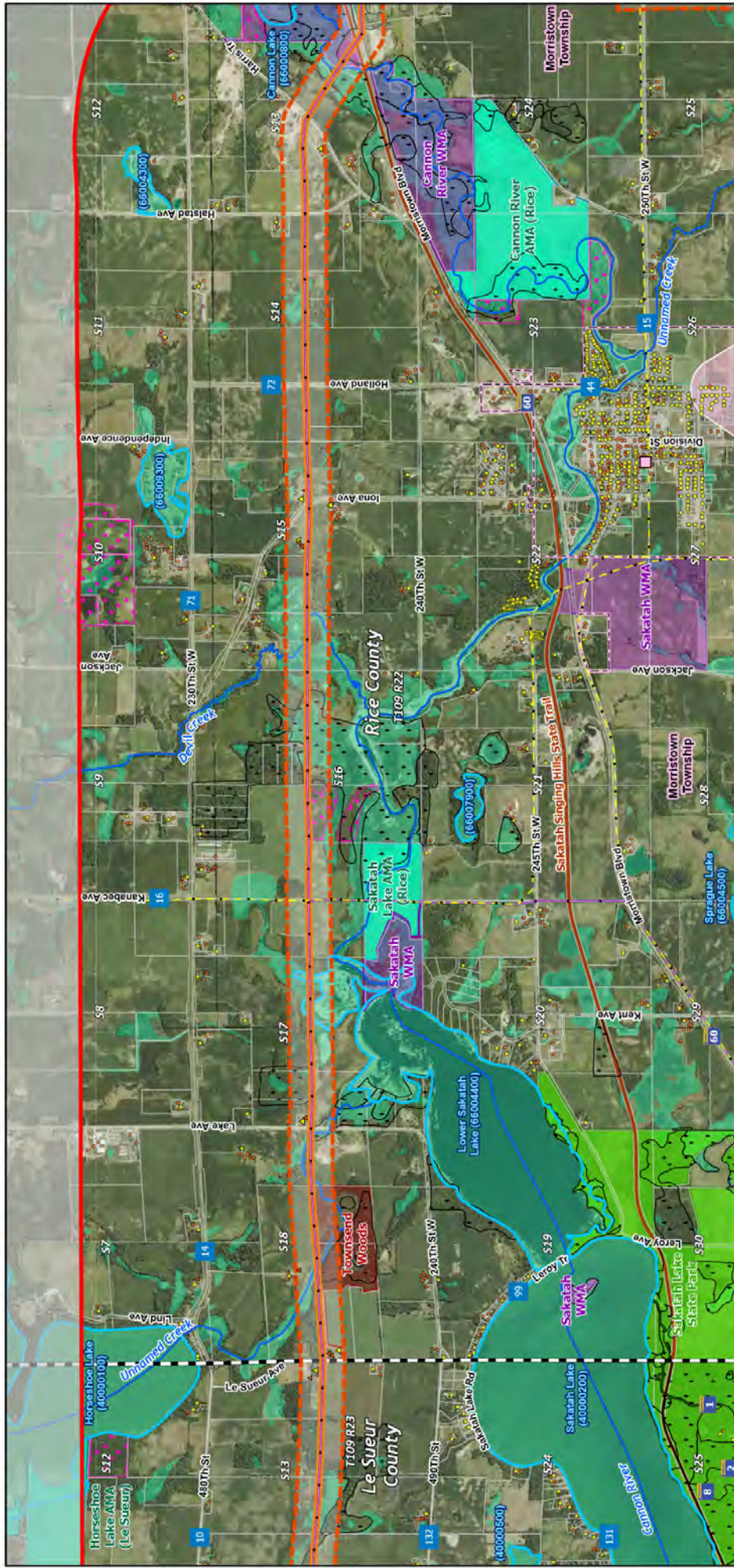
LEGEND

Project Study Area Boundary	Existing Transmission Line 69 kV	BWSR RIM Conservation Easement	Residence Structure in Proposed Route
Proposed Route	115 kV	Wellhead Protection Area Public Ditch/Altered Natural Watercourse	Not a residence Structure Outside Proposed Route
Proposed Route Option 1 North	County Boundary	Public Water Watercourse	Residence Structure Outside Proposed Route
Proposed Route Option 1 South	Township Boundary	Aquatic Management Area	Not a residence
State Trail	City Boundary	Undelineated National Wetland Inventory	
	Parcel	Waterfowl Production Area	

Scale: 1 inch equals 2,250 feet / 1:227,000

Mapbook Information: Page 5 of 11

DETAILED MAPBOOK: SEGMENT 1



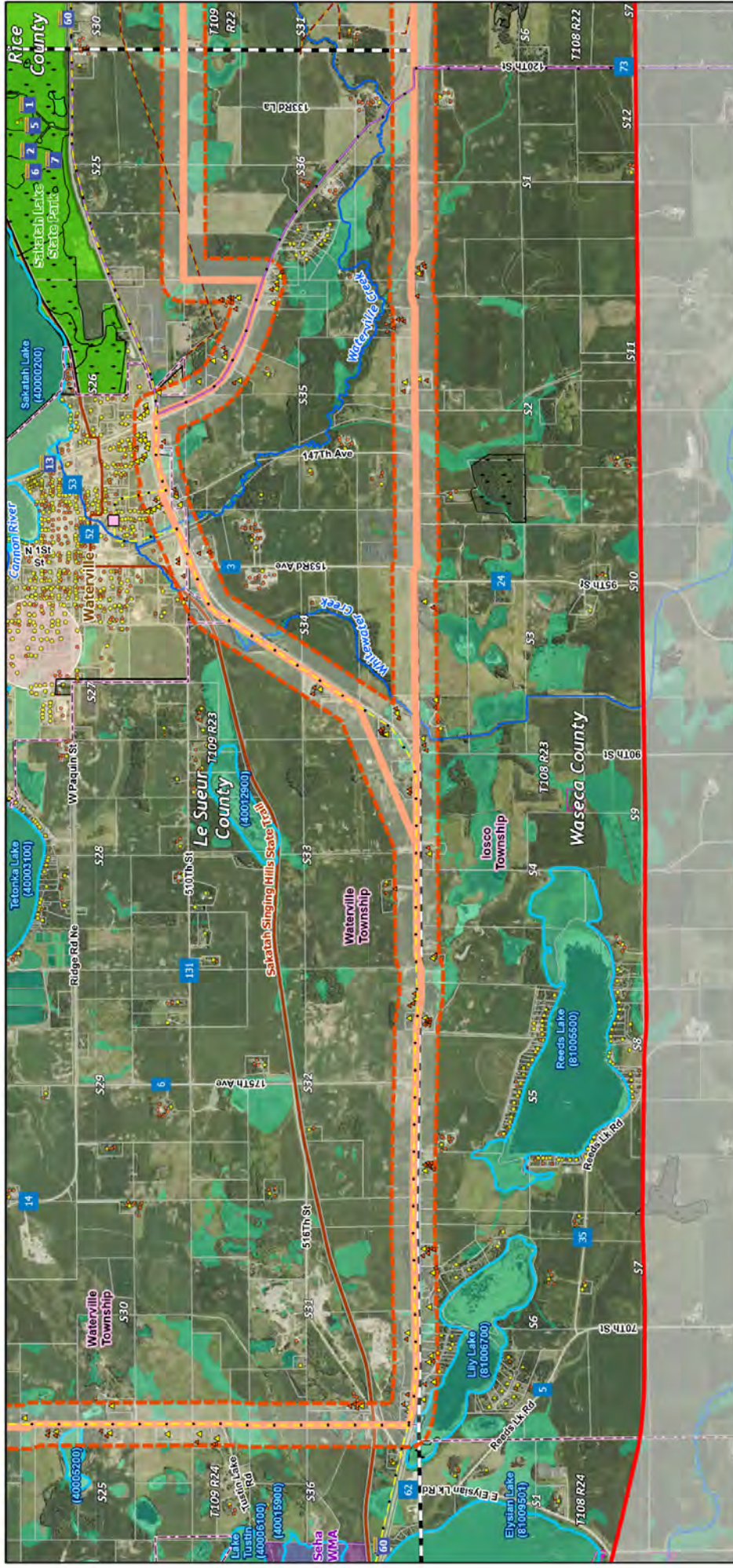
LEGEND

Project Study Area Boundary	Existing Transmission Line 69 kV	Wellhead Protection Area Public Water Watercourse	DNR Native Plant Community	Structure in Proposed Route Residence
Proposed Route	Existing Transmission Line 115 kV	Public Water Basin	Aquatic Management Area	Not a residence
Proposed Route Option 1 North	County Boundary	Undelineated National Wetland Inventory	Scientific and Natural Area State Park	Structure Outside Proposed Route
Existing Substation	Township Boundary	BWSR RIM Conservation Easement	Wildlife Management Area	Residence
State Trail	Parcel			Not a residence

Scale: 1 inch equals 2,250 feet / 1:225,000
0 Miles / 1 Mile

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DETAILED MAPBOOK: SEGMENT 1

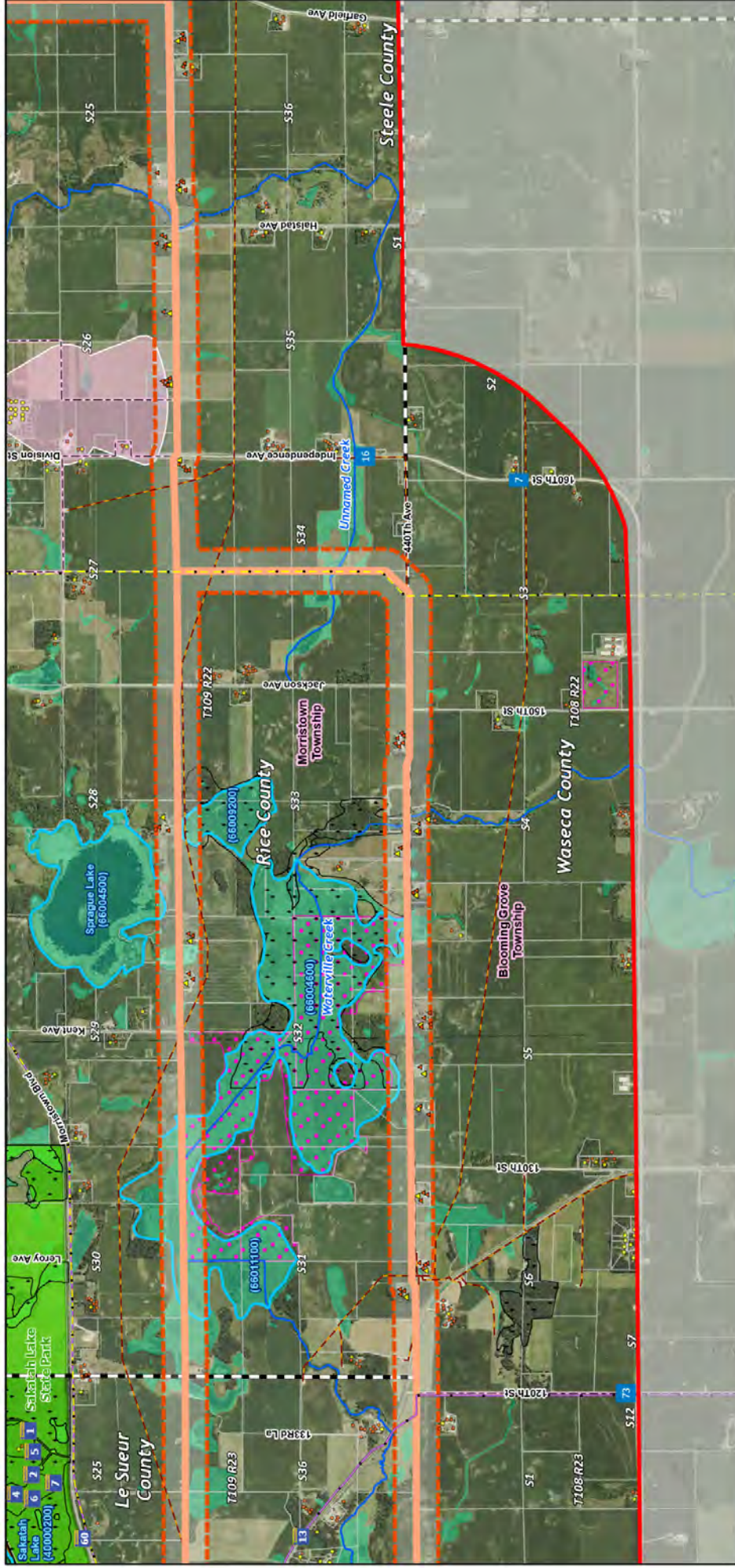


LEGEND

Project Study Area Boundary	Pipeline in Study Area (NPMS)	City Boundary	BWSR RIM Conservation Easement	Structure in Proposed Route Residence
Proposed Route	Existing Transmission Line	Parcel	DNR Native Plant Community	Not a residence
Proposed Route Option	69 kV	Wellhead Protection Area	State Park	Structure Outside Proposed Route
1 South	115 kV	Public Water Watercourse	Wildlife Management Area	Residence
Existing Substation	County Boundary	Public Water Basin	Undelineated National Wetland Inventory	Not a residence
State Trail	Township Boundary			

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1 inch equals 2,250 feet
0 1 Miles

DETAILED MAPBOOK: SEGMENT 1



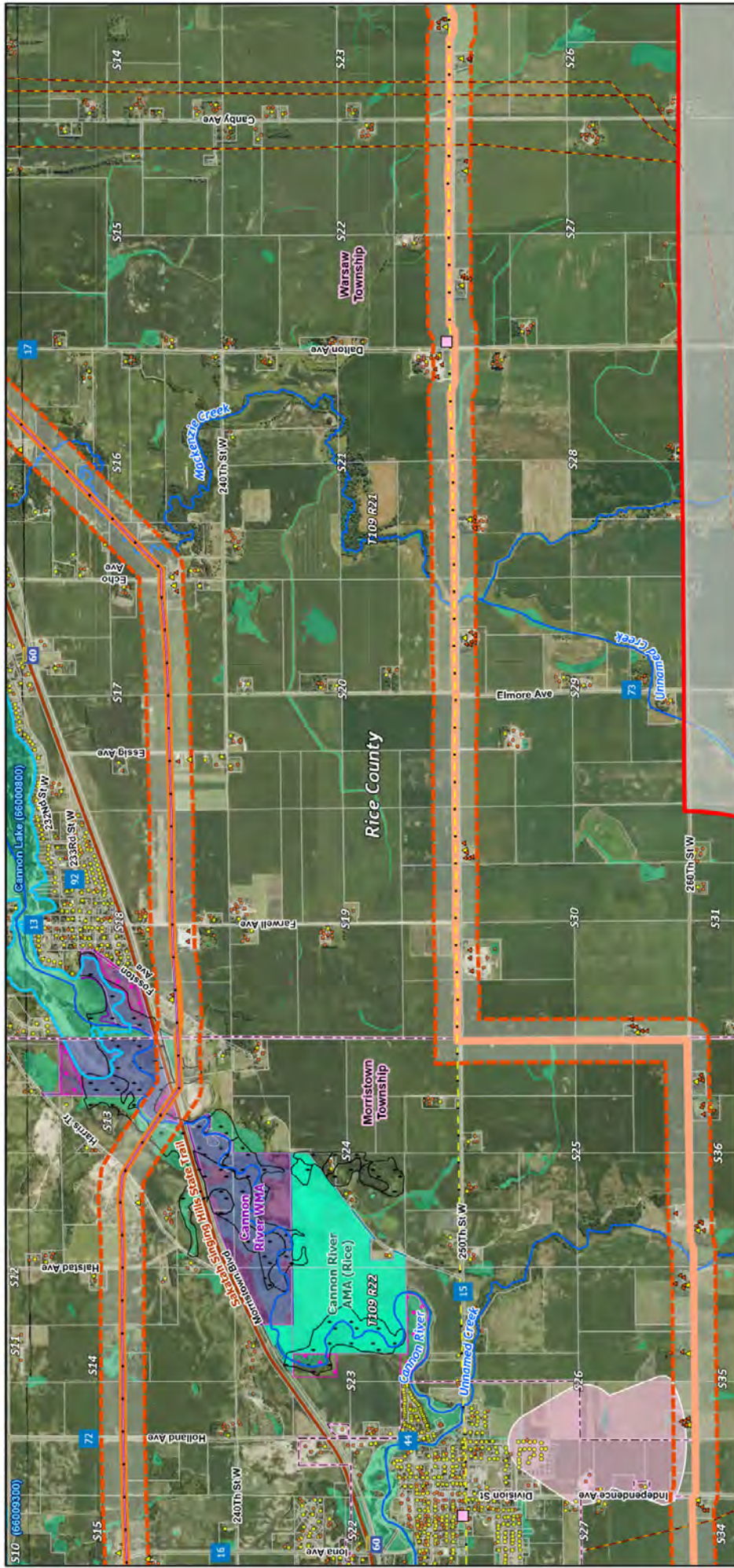
LEGEND

Project Study Area Boundary	Pipeline in Study Area (NPMIS)	BWSR RIM Conservation Easement	Structure in Proposed Route - Residence
Proposed Route	Existing Transmission Line	DNR Native Plant Community	Not a residence
Proposed Route Option	69 KV	State Park	Structure Outside Proposed Route
1 South	115 KV	Wildlife Management Area	Residence
State Trail	County Boundary	Wetland Inventory	Not a residence
	Township Boundary		
		Wellhead Protection Area	
		Public Water Watercourse	
		Public Water Basin	
		Undelineated National Wetland Inventory	
		Parcel	
		Wellhead Protection Area	
		Public Water Watercourse	
		Public Water Basin	
		Undelineated National Wetland Inventory	

1 inch equals 2,250 feet
0 1 Miles

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DETAILED MAPBOOK: SEGMENT 1



LEGEND

Project Study Area Boundary	State Trail	Wellhead Protection Area	BWSR RIM Conservation Easement	Structure in Proposed Route Residence
Proposed Route	Pipeline in Study Area (NPMS)	Public Water Watercourse	DNR Native Plant Community	Not a residence
Proposed Route Option	Existing Transmission Line	Public Water Basin	Aquatic Management Area	Structure Outside Proposed Route
1 North	69 kV	Undelineated National Wetland Inventory	Wildlife Management Area	Residence
1 South	115 kV			Not a residence
Existing Substation	Township Boundary			

Scale: 1 inch equals 2,250 feet / 1:27,000
Miles: 0 to 1

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