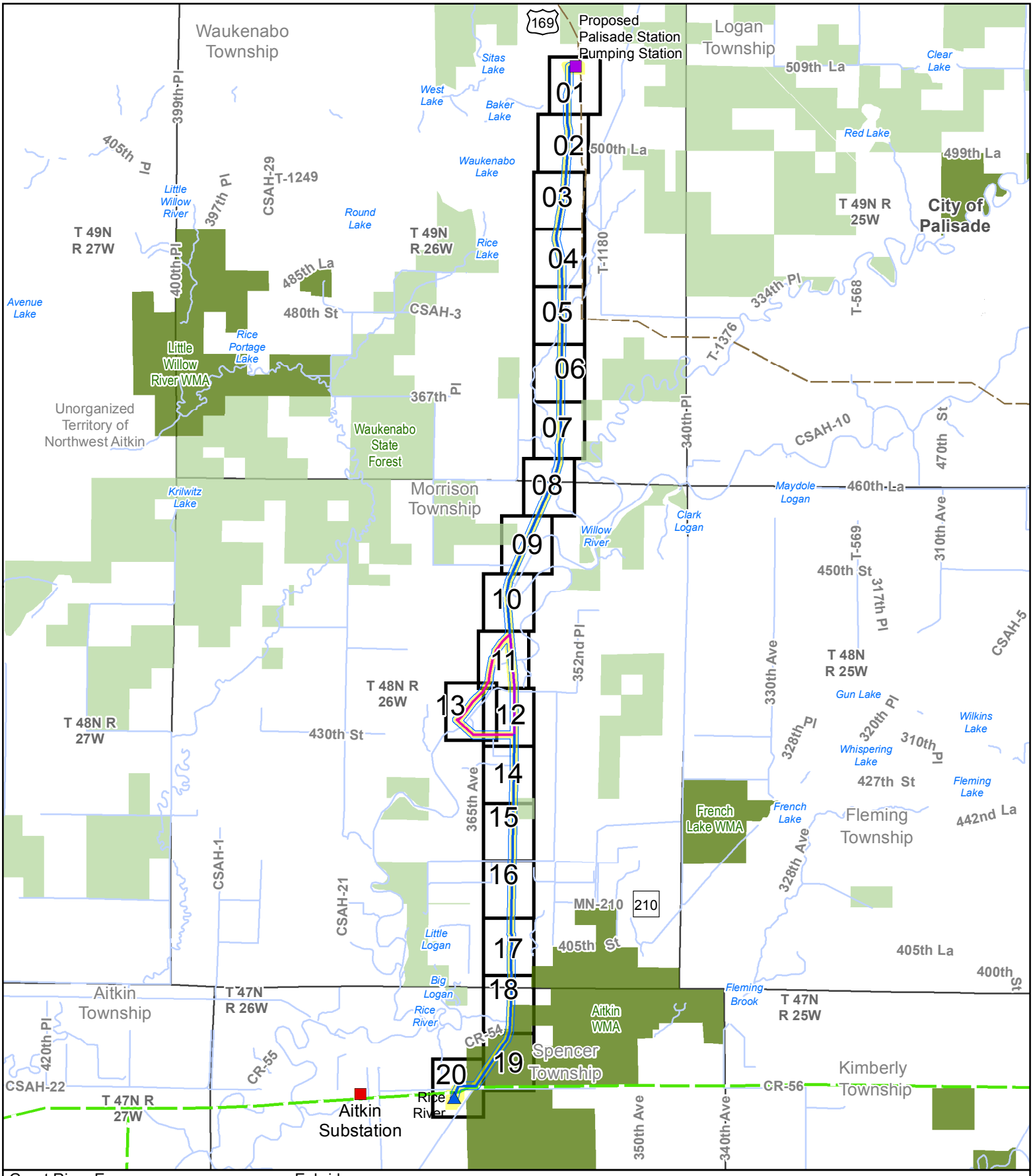
Appendix C

Detailed Route Maps



Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

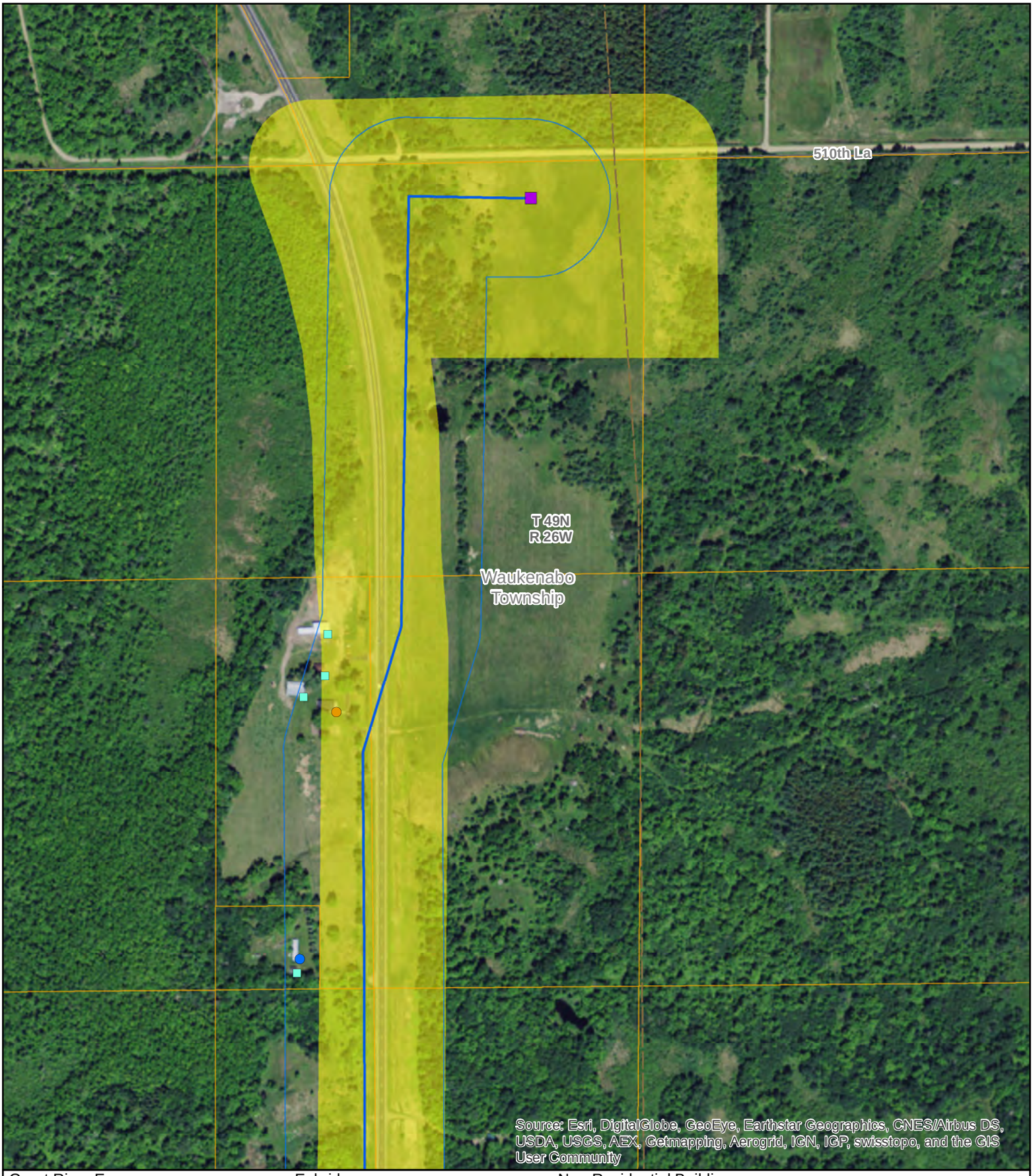
Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet Index

N

0 0.5 1 Miles

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY™



Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Residence
- Residence 100-150 feet
- Residence 200-250 feet

Non-Residential Building
- Non-Residential 0-250 feet

Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 1 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY™

Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Residence
- Residence 100-150 feet
- Residence 150-200 feet

Non-Residential Building
- Non-Residential 0-250 feet

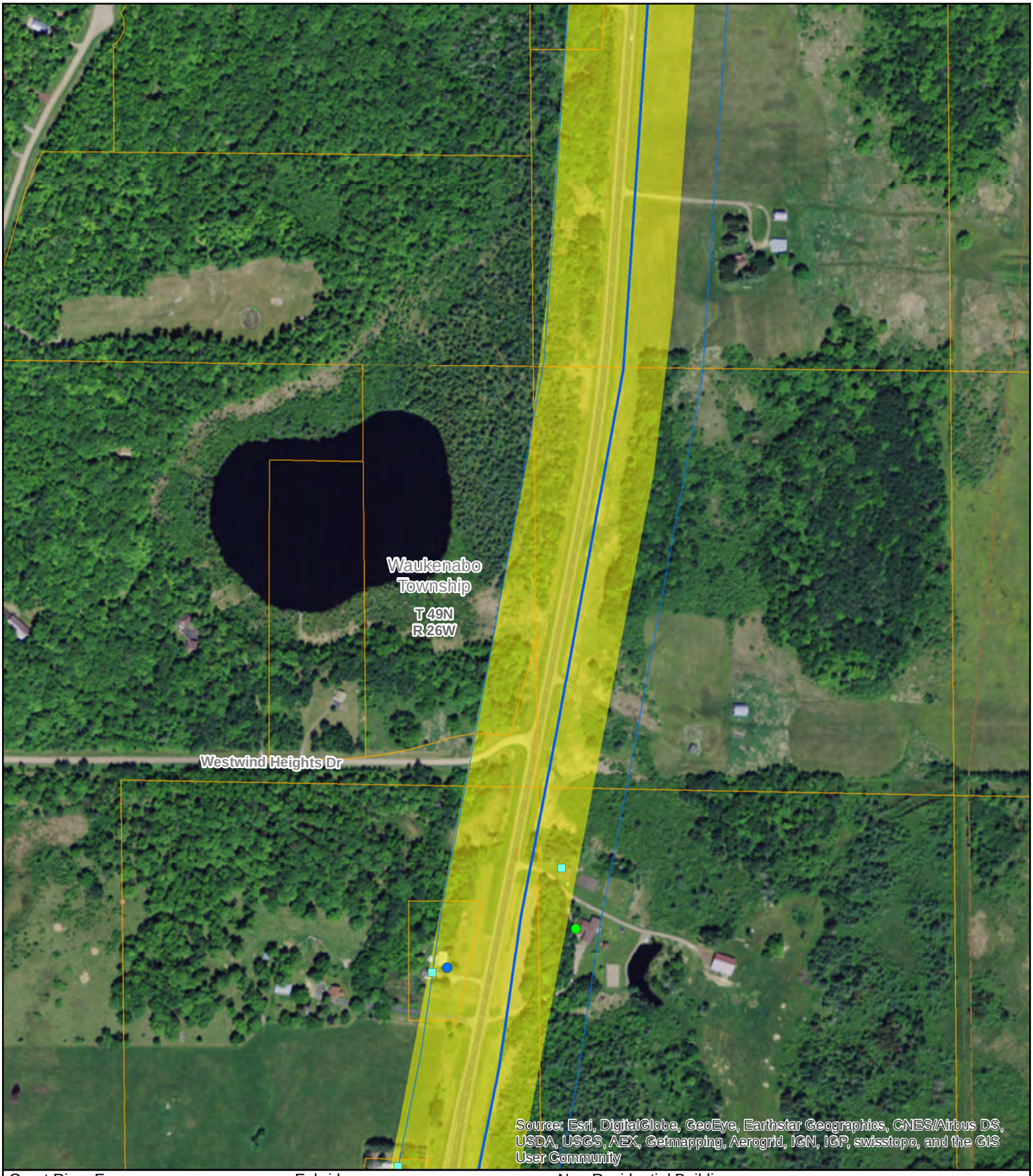
Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 2 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY™



Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Residence
- Residence 150-200 feet
- Residence 200-250 feet

Non-Residential Building
- Non-Residential 0-250 feet

Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 3 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY™

Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Residence
- Residence 200-250 feet

Non-Residential Building
- Non-Residential 0-250 feet

Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 4 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY™

Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Residence
- Residence 200-250 feet

Non-Residential Building
- Non-Residential 0-250 feet

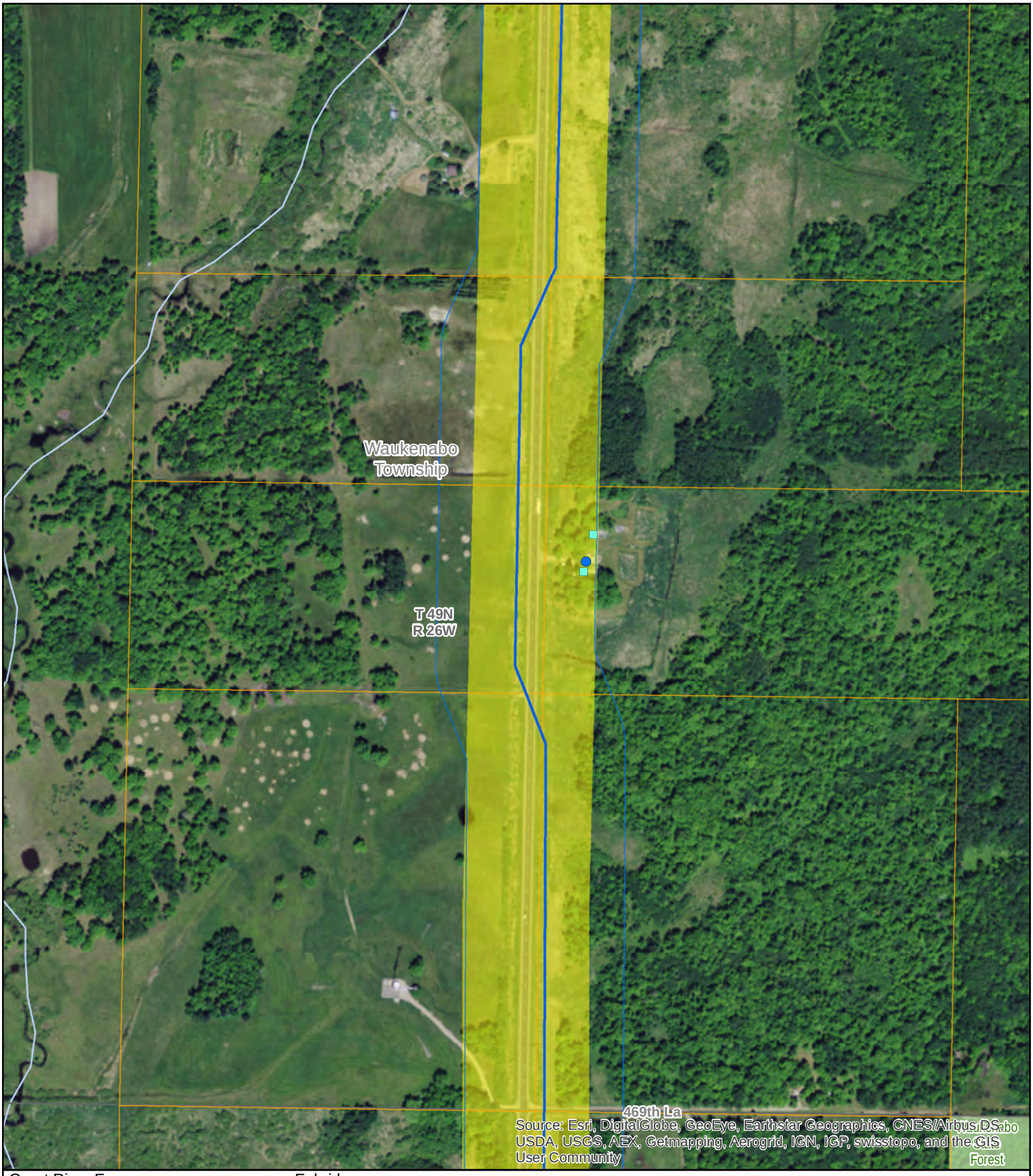
Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 5 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY



Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Residence
- Residence 200-250 feet

Non-Residential Building
- Non-Residential 0-250 feet

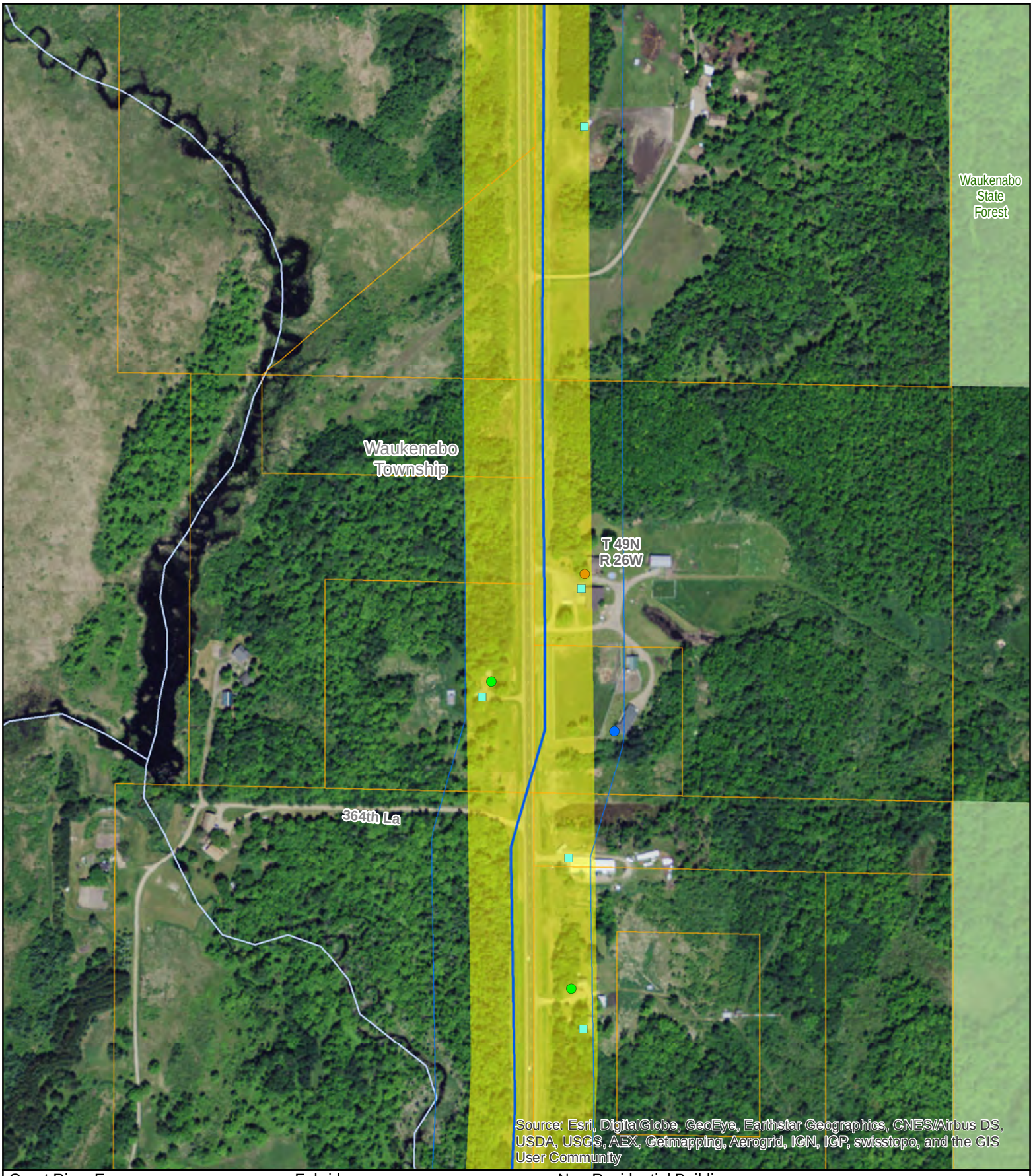
Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 6 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY™



Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Residence
- Residence 100-150 feet
- Residence 150-200 feet
- Residence 200-250 feet

Non-Residential Building
- Non-Residential 0-250 feet

Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 7 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY™

Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 8 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY

Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Non-Residential Building
- Non-Residential 0-250 feet

Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 9 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY™

Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Residence
- Residence 150-200 feet

Non-Residential Building
- Non-Residential 0-250 feet

Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 10 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY™

Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Residence
- Residence 50-100 feet
- Residence 100-150 feet
- Residence 150-200 feet
- Residence 200-250 feet

Non-Residential Building
- Non-Residential 0-50 feet

Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 11 of 20

N
0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY

Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Non-Residential Building
- Non-Residential 0-250 feet

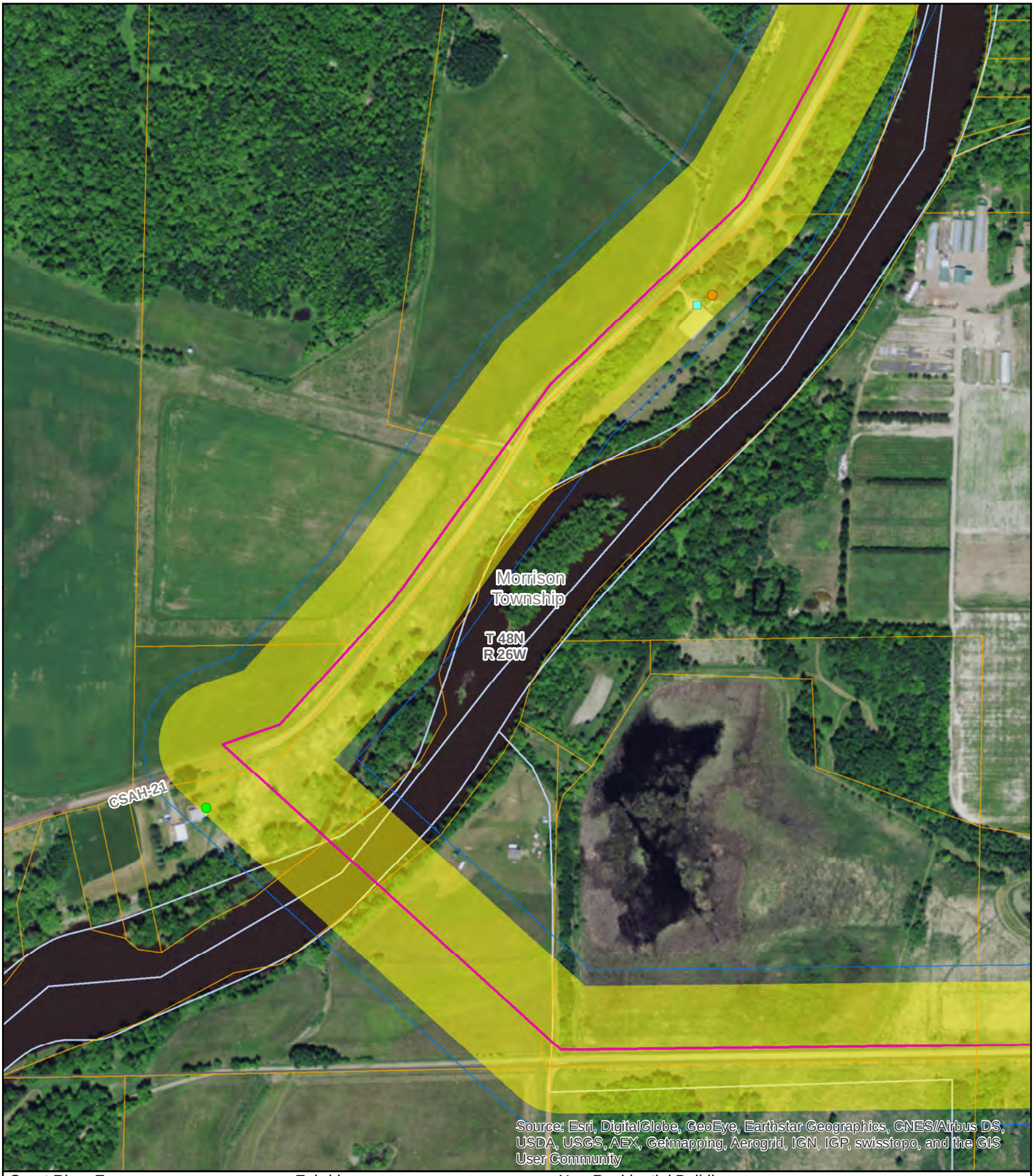
Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 12 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY



Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Residence
- Residence 100-150 feet
- Residence 150-200 feet

Non-Residential Building
- Non-Residential 0-250 feet

Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 13 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY™

Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 14 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY™

Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 15 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY™

Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Residence
- Residence 200-250 feet

Business
- Business 0-50 feet

Non-Residential Building
- Non-Residential 0-250 feet

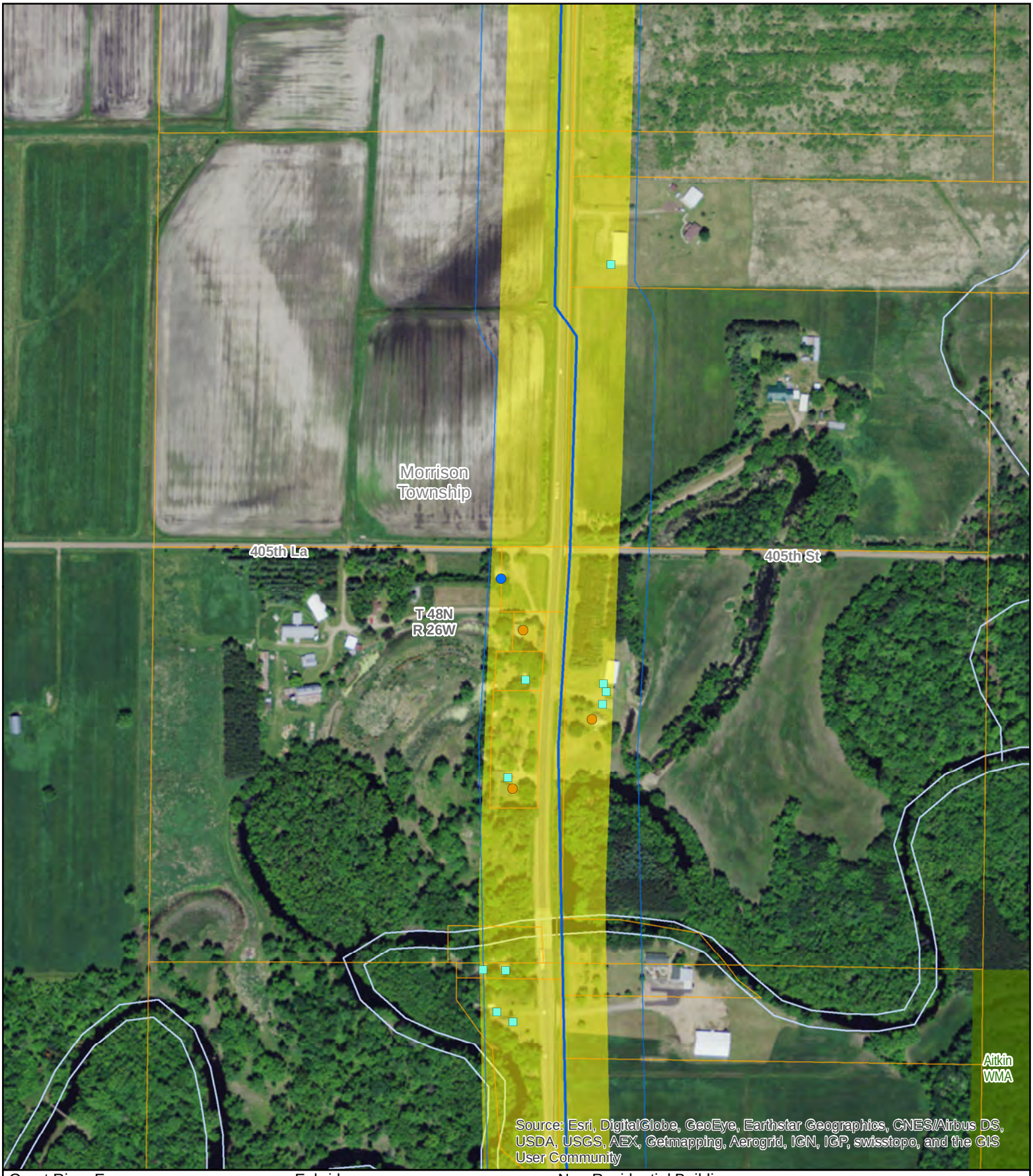
Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 16 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY™



Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Residence
- Residence 100-150 feet
- Residence 200-250 feet

Non-Residential Building
- Non-Residential 0-250 feet

Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 17 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY™

Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

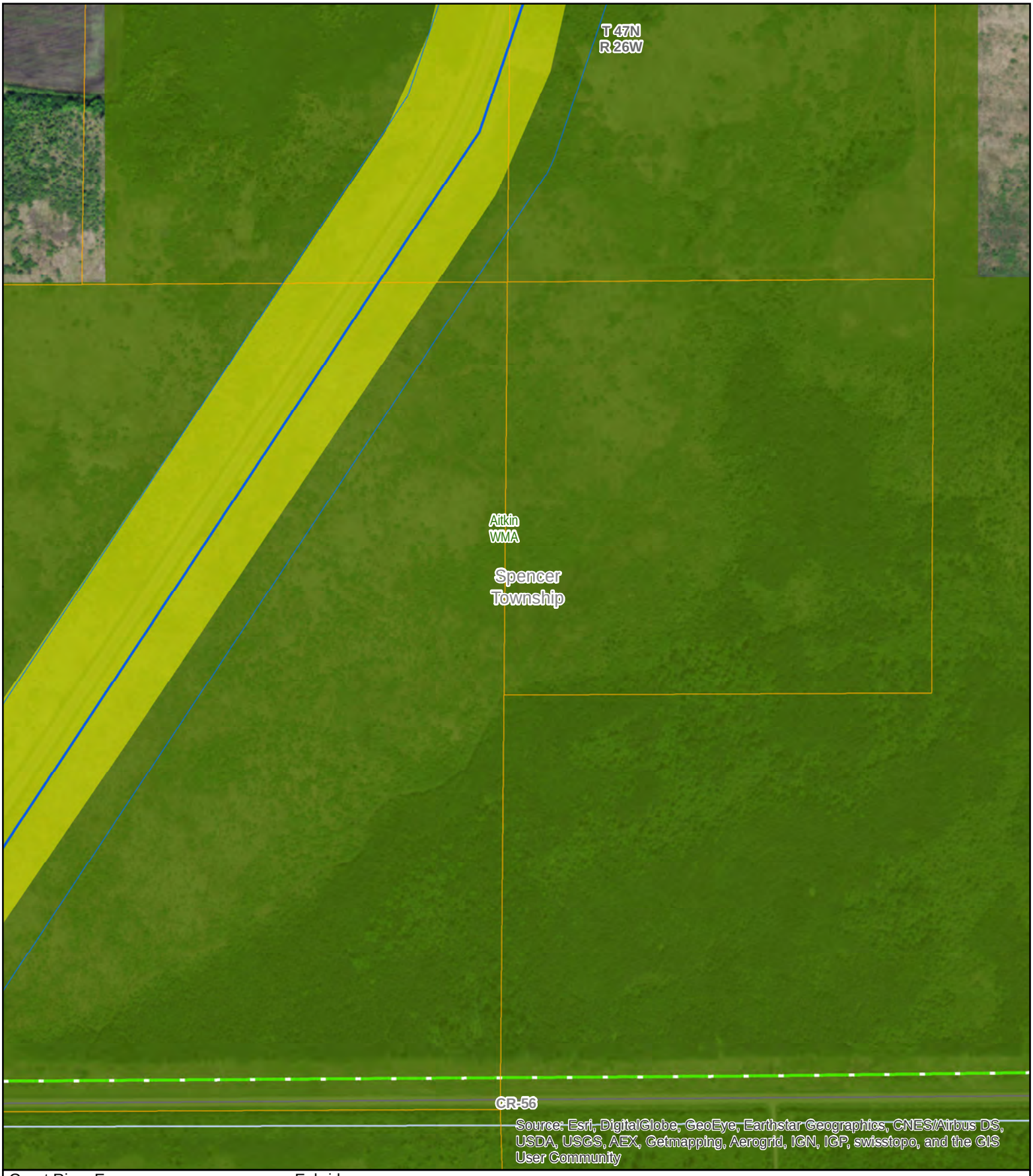
Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 18 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY



Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

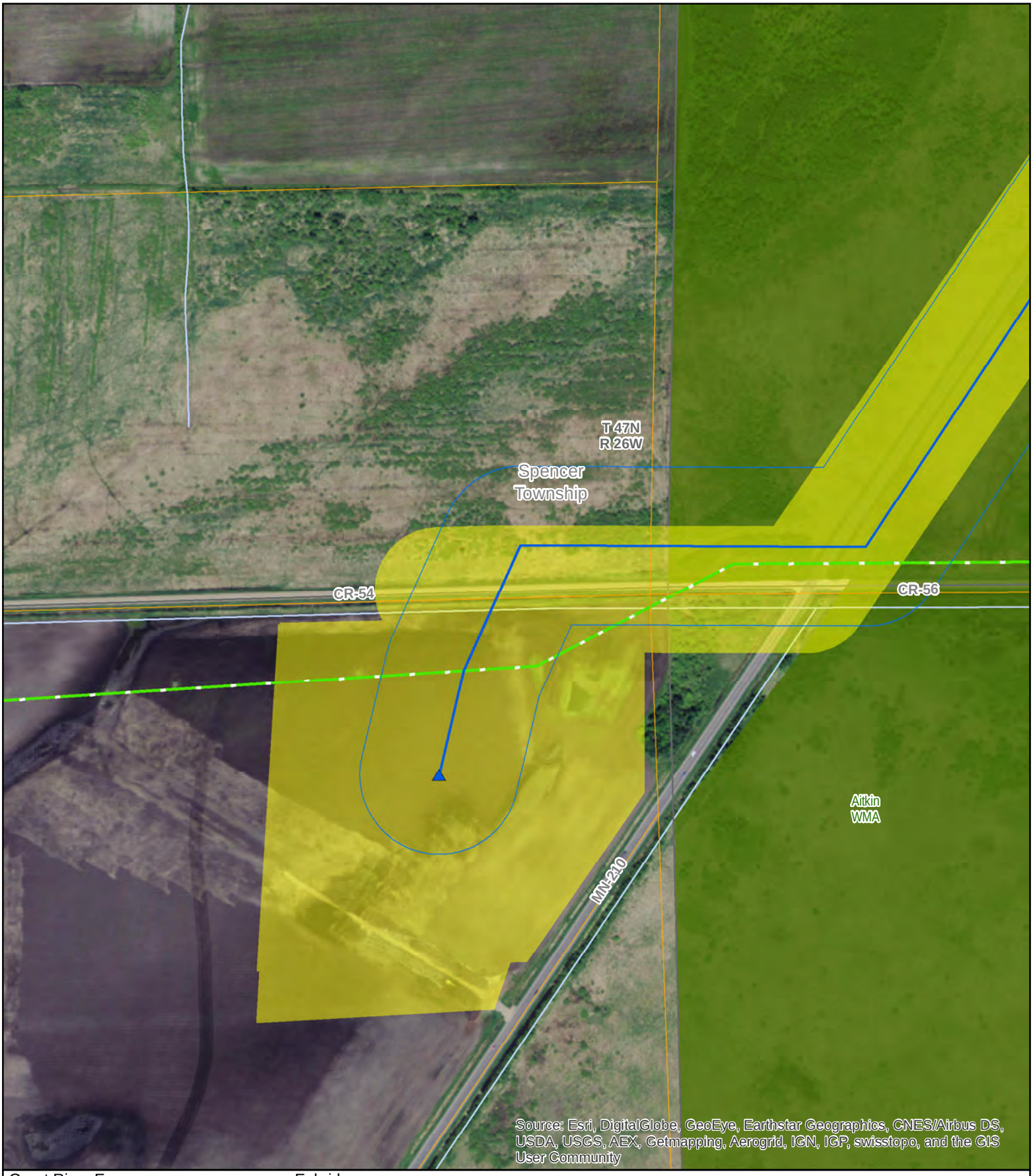
Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 19 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY™



Great River Energy
- Anticipated 115 kV transmission line
- East option
- West option
- Proposed route
- 250' route width
- Proposed breaker station

Mille Lacs Energy Cooperative
- Existing distribution substation

Enbridge
- Anticipated pump station
- Anticipated pipeline

Minnesota Power
- Existing 115 kV transmission line

Palisade 115 kV Project
Appendix C - Detailed Route Maps
Map Sheet 20 of 20

N

0 50 100 200 Feet

GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY™