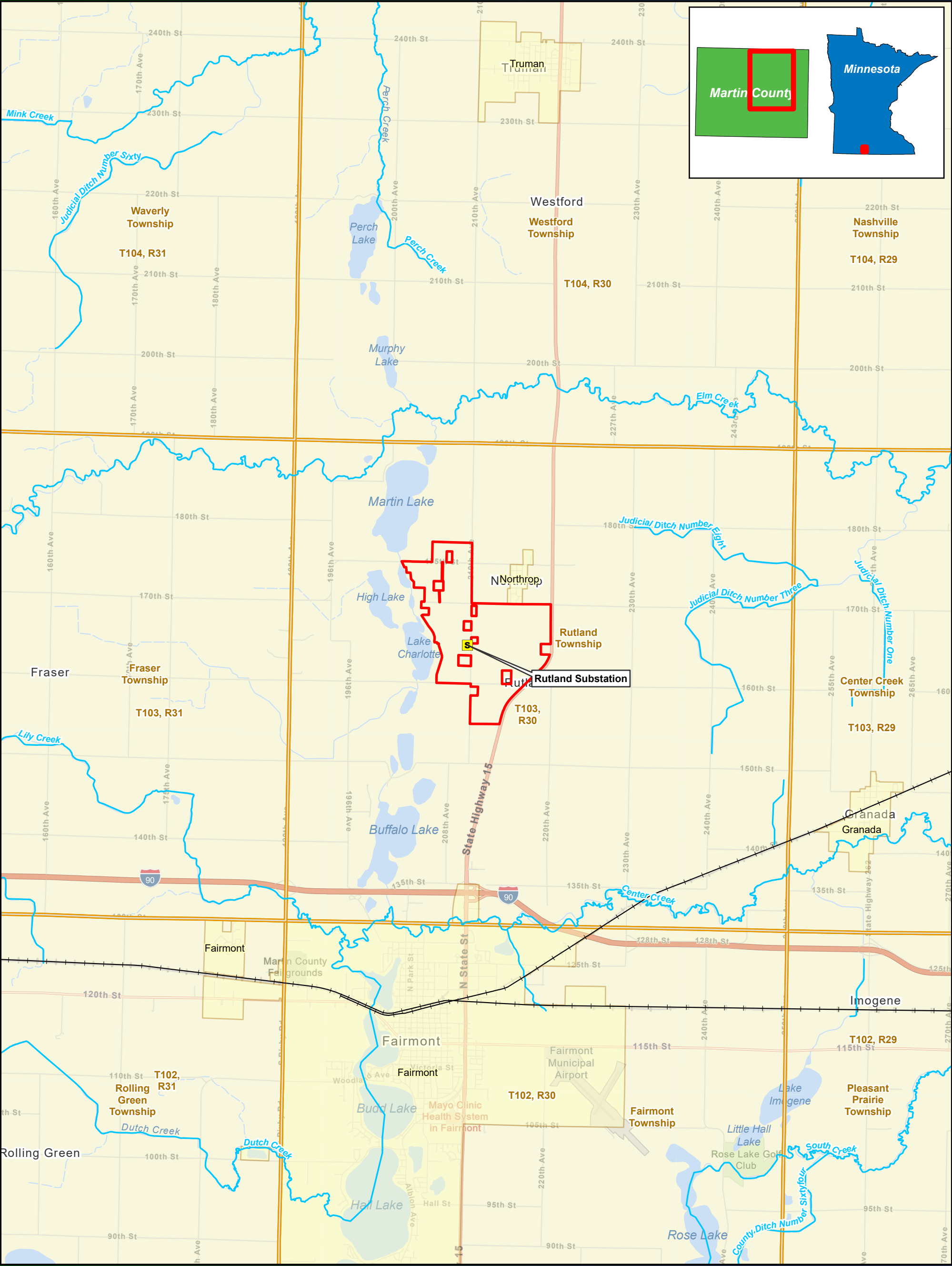


Maps



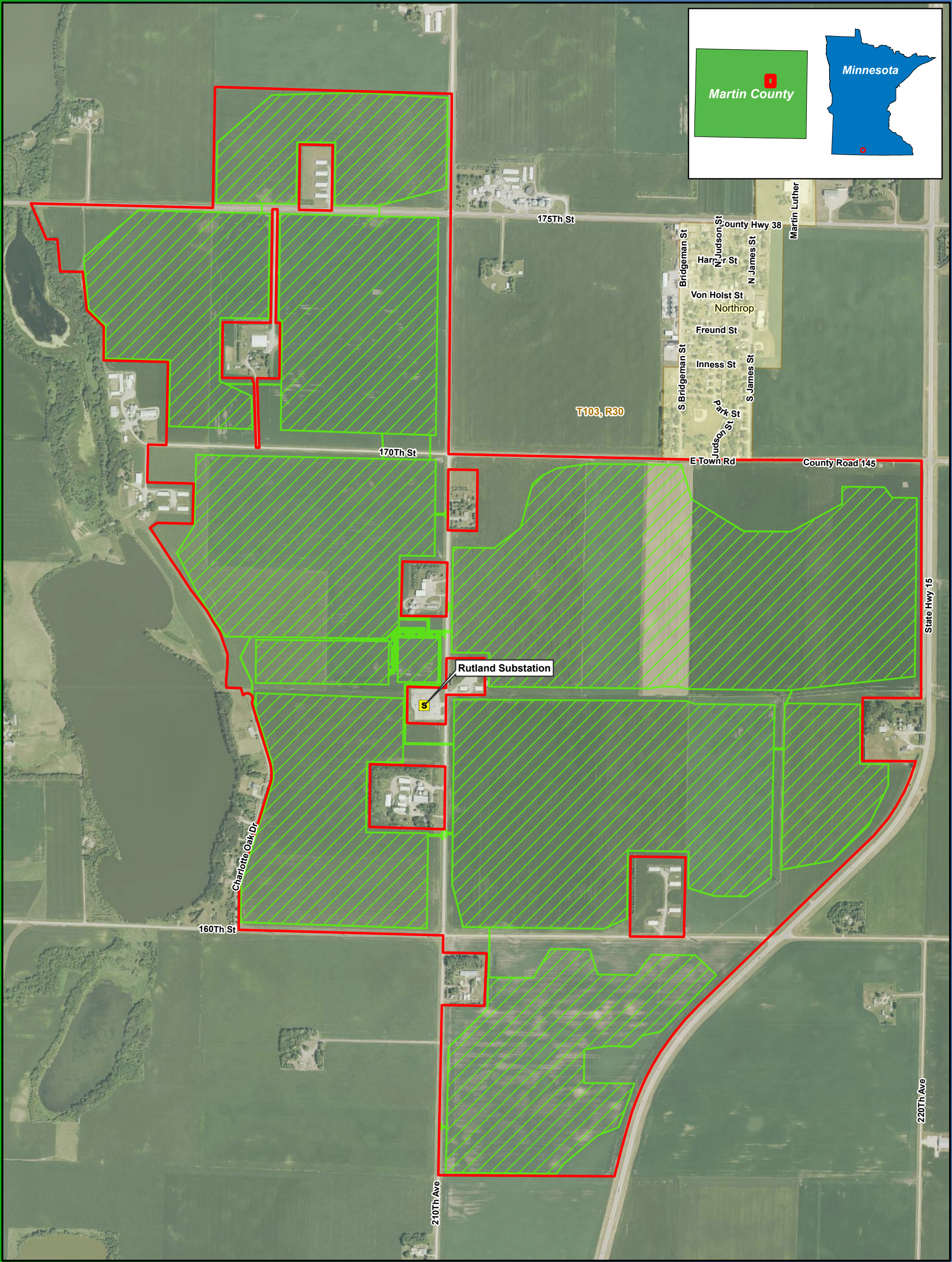
0 1 2 Miles

1:72,000

Map 1 Project Location Lake Charlotte Solar and BESS Projects Martin County, MN

- Existing Substation
- Land Control Area
- City/Town
- Township
- County Boundary
- NHD Named Stream
- Railroad

Imagery: USGS
Sources: National Grid Renewables, MN Geospatial Commons, MDNR, ESRI

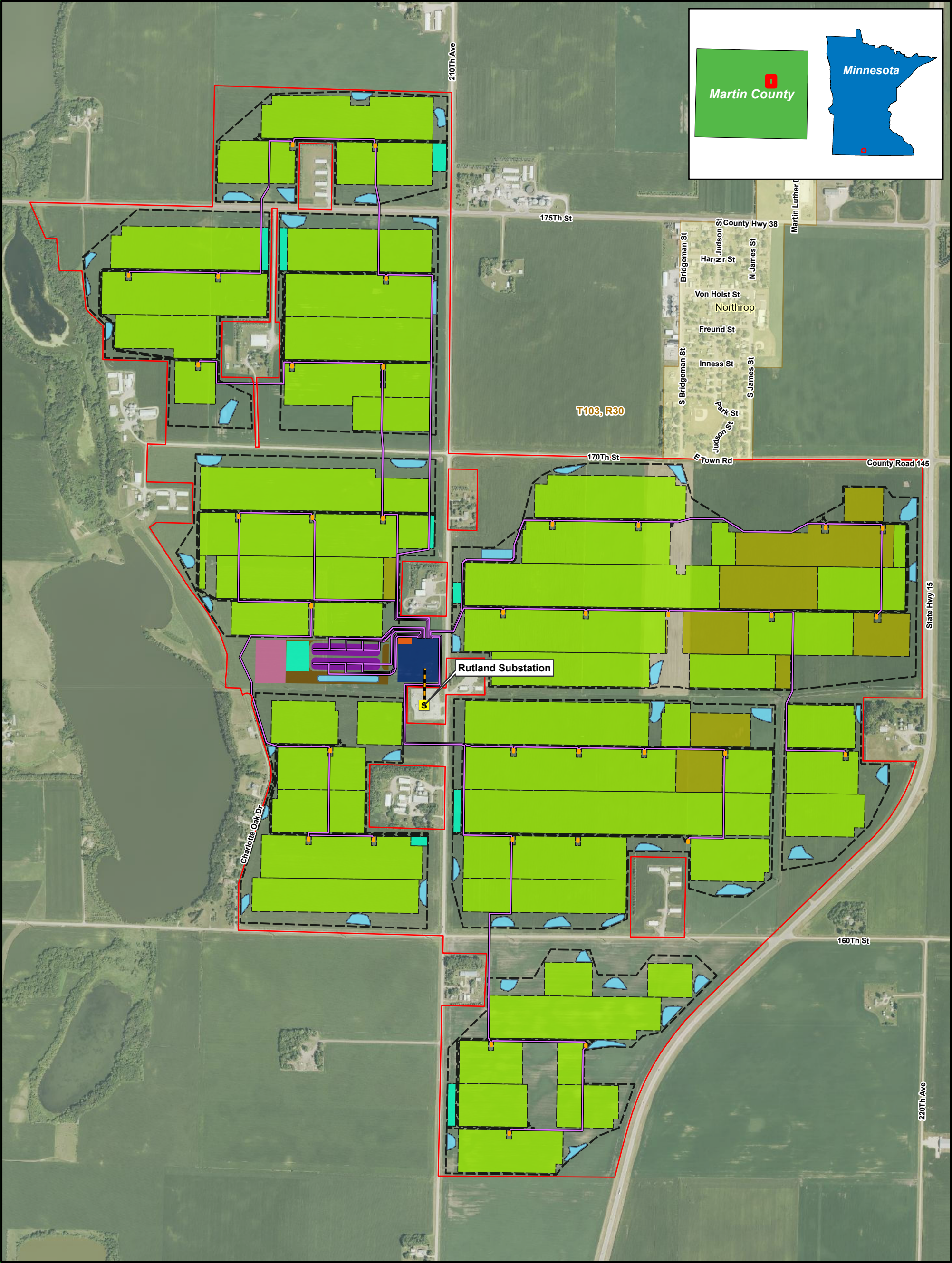


1:12,000

Map 2
Land Control and
Preliminary Development Areas
Lake Charlotte Solar and
BESS Projects
Martin County, MN

- Existing Substation
- Land Control Area
- Preliminary Development Area
- City/Town
- Township
- County Boundary

Imagery Source: 2021 FSA
Sources: National Grid Renewables, MN Geospatial Commons,
MDNR, ESRI



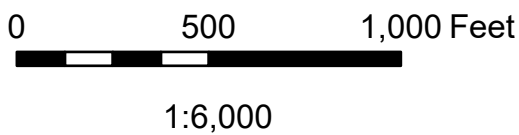
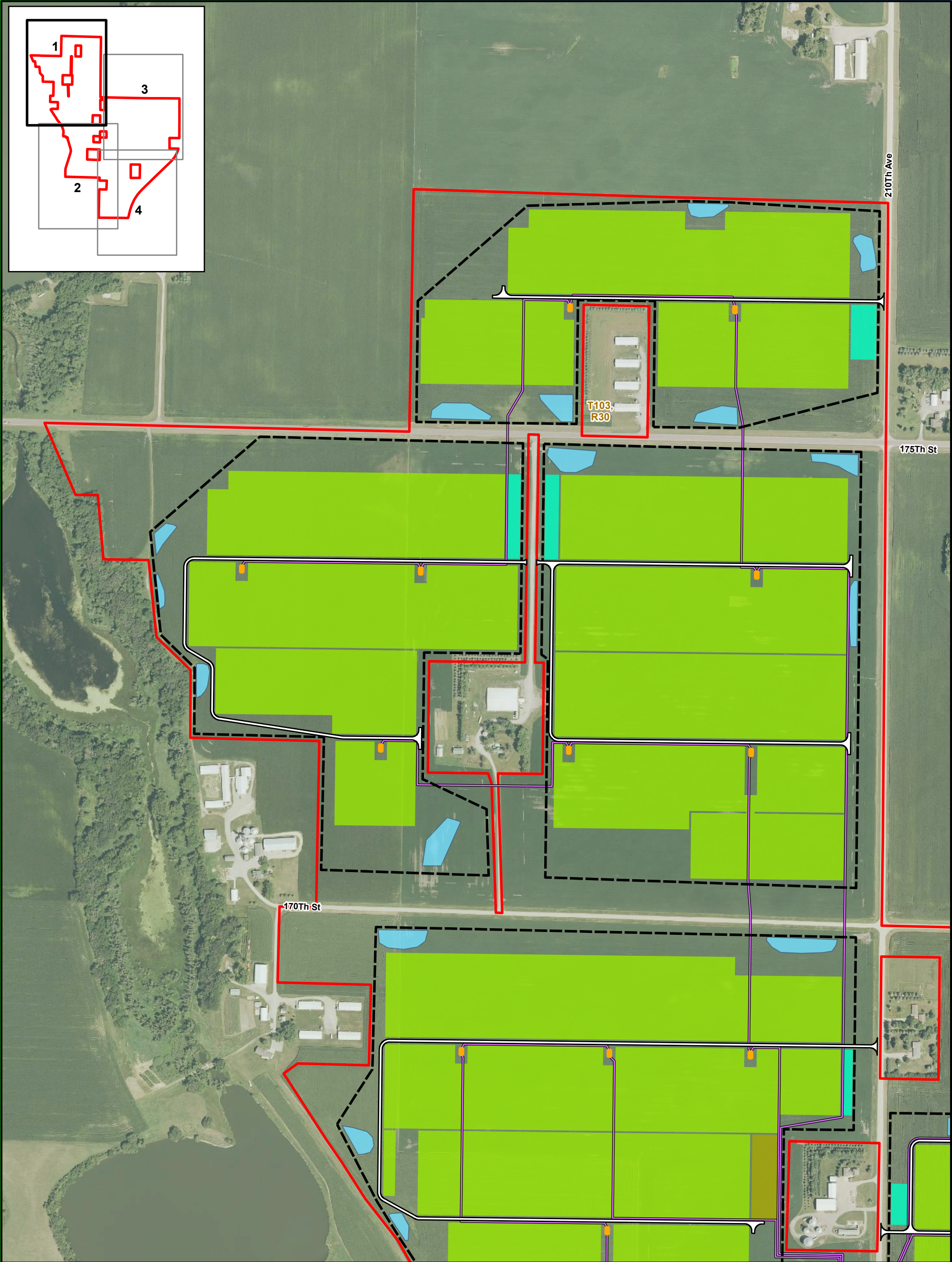
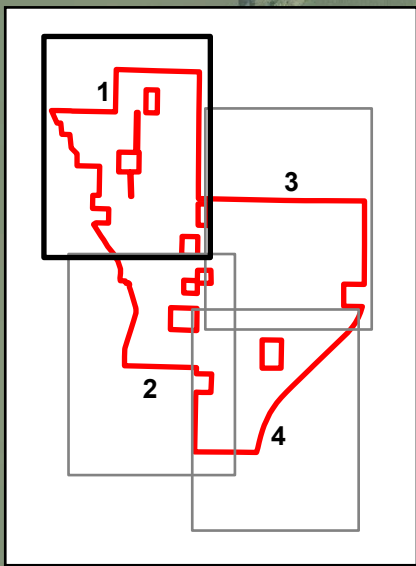
0 1,000 2,000 Feet

1:12,000

Imagery Source: 2021 FSA
Sources: National Grid Renewables, MN Geospatial Commons,
MDNR, ESRI

Map 3 Preliminary Project Layout Lake Charlotte Solar and BESS Projects Martin County, MN

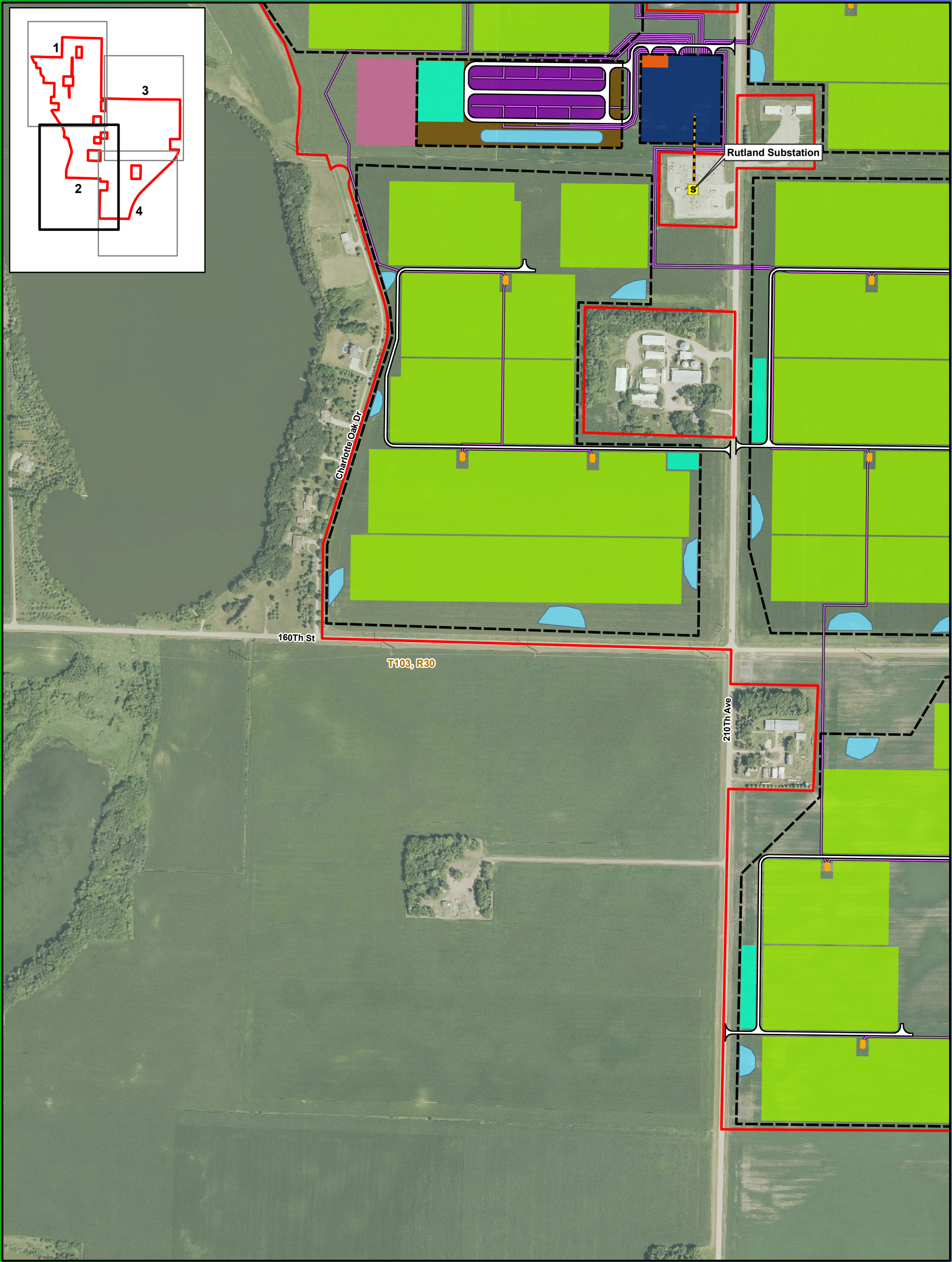
- | | |
|-----------------------------------|-------------------------|
| Existing Substation | Gravelled Area |
| Gen-Tie Line | Inverter |
| Collection and Communication Line | Laydown Yard |
| Land Control Area | O&M Facility |
| Security Fence | Solar Array |
| Temporary Workspace | Solar Array - Alternate |
| BESS | Project Substation |
| | Stormwater Pond |
| | City/Town |
| | Township |



Imagery Source: 2021 FSA
Sources: National Grid Renewables, MN Geospatial Commons,
MDNR, ESRI

Map 4 Detailed Preliminary Project Layout Lake Charlotte Solar and BESS Projects Martin County, MN

- | | |
|-----------------------------------|-------------------------|
| Land Control Area | Graveled Area |
| Collection and Communication Line | Inverter |
| Access Road | Laydown Yard |
| Security Fence | O&M Facility |
| Additional Temporary Workspace | Solar Array |
| BESS | Solar Array - Alternate |
| | Project Substation |
| | Stormwater Pond |
| | Township |



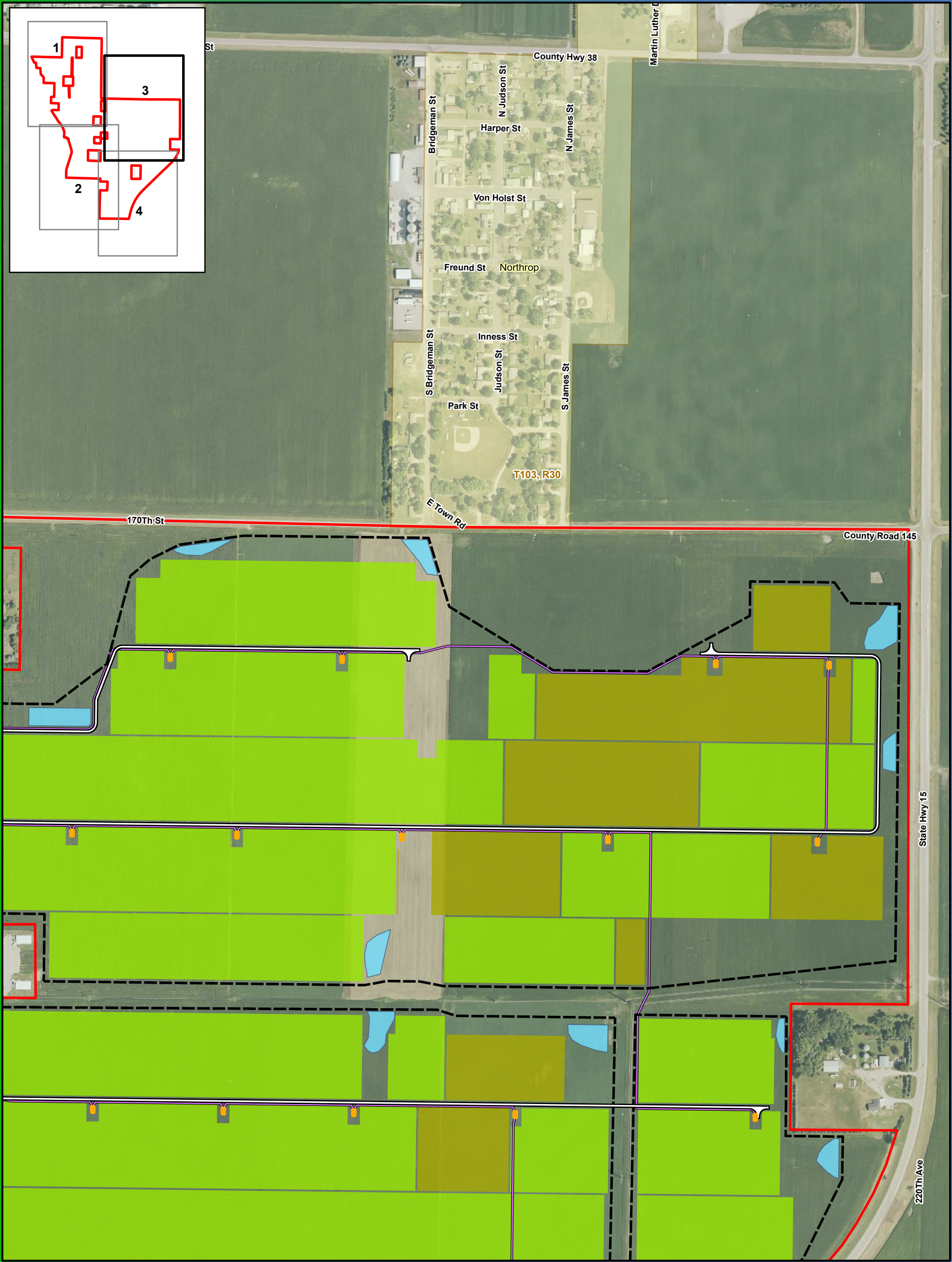
0 500 1,000 Feet

1:6,000

Imagery Source: 2021 FSA
Sources: National Grid Renewables, MN Geospatial Commons,
MDNR, ESRI

Map 4 Detailed Preliminary Project Layout Lake Charlotte Solar and BESS Projects Martin County, MN

- | | |
|-----------------------------------|-------------------------|
| Existing Substation | BESS |
| Gen-Tie Line | Graveled Area |
| Land Control Area | Inverter |
| Collection and Communication Line | Laydown Yard |
| Access Road | O&M Facility |
| Security Fence | Solar Array |
| Additional Temporary Workspace | Solar Array - Alternate |
| | Project Substation |
| | Stormwater Pond |
| | Township |



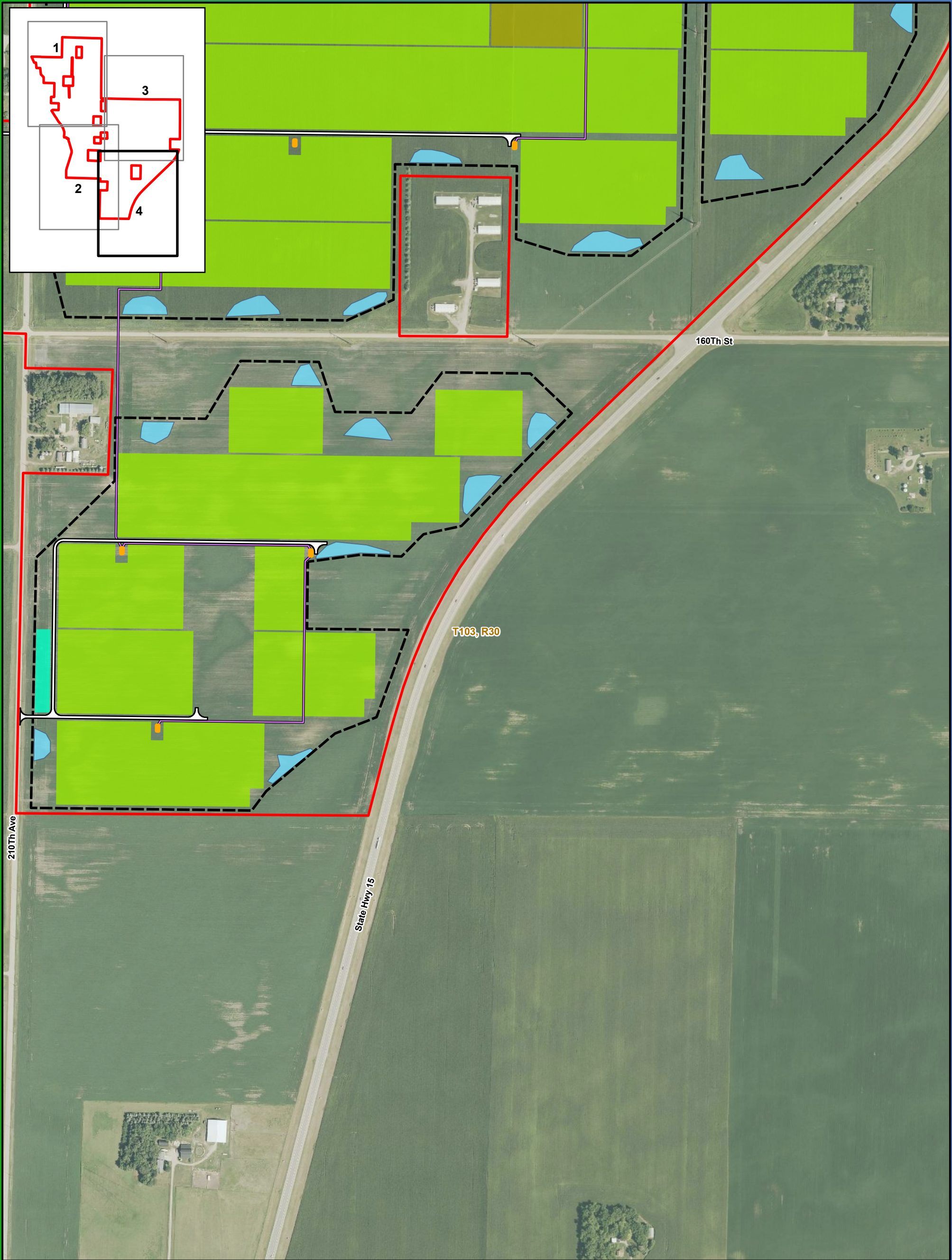
0 500 1,000 Feet

1:6,000

Imagery Source: 2021 FSA
Sources: National Grid Renewables, MN Geospatial Commons,
MDNR, ESRI

Map 4 Detailed Preliminary Project Layout Lake Charlotte Solar and BESS Projects Martin County, MN

- | | |
|-----------------------------------|-------------------------|
| Land Control Area | Inverter |
| Collection and Communication Line | Laydown Yard |
| Access Road | O&M Facility |
| Security Fence | Solar Array |
| Additional Temporary Workspace | Solar Array - Alternate |
| BESS | Project Substation |
| Graveled Area | Stormwater Pond |
| | City/Town |
| | Township |



0 500 1,000 Feet
1:6,000

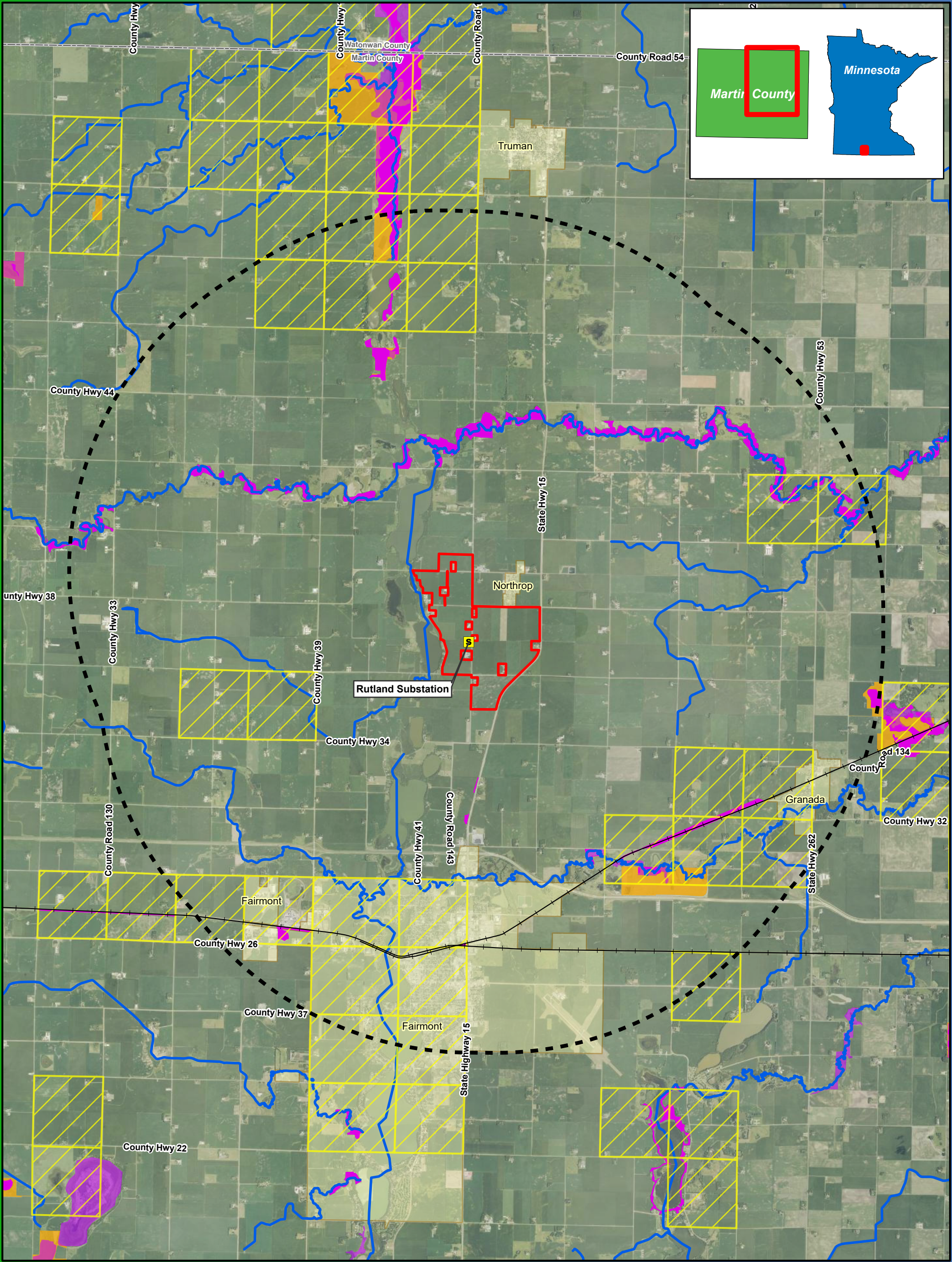
Imagery Source: 2021 FSA
Sources: National Grid Renewables, MN Geospatial Commons,
MDNR, ESRI

Map 4 Detailed Preliminary Project Layout Lake Charlotte Solar and BESS Projects Martin County, MN

Page 4 of 4

- | | |
|-----------------------------------|-------------------------|
| Land Control Area | Graveled Area |
| Collection and Communication Line | Inverter |
| Access Road | Laydown Yard |
| Security Fence | O&M Facility |
| Additional Temporary Workspace | Solar Array |
| BESS | Solar Array - Alternate |
| | Project Substation |
| | Stormwater Pond |
| | Township |

Date: 4/7/2025





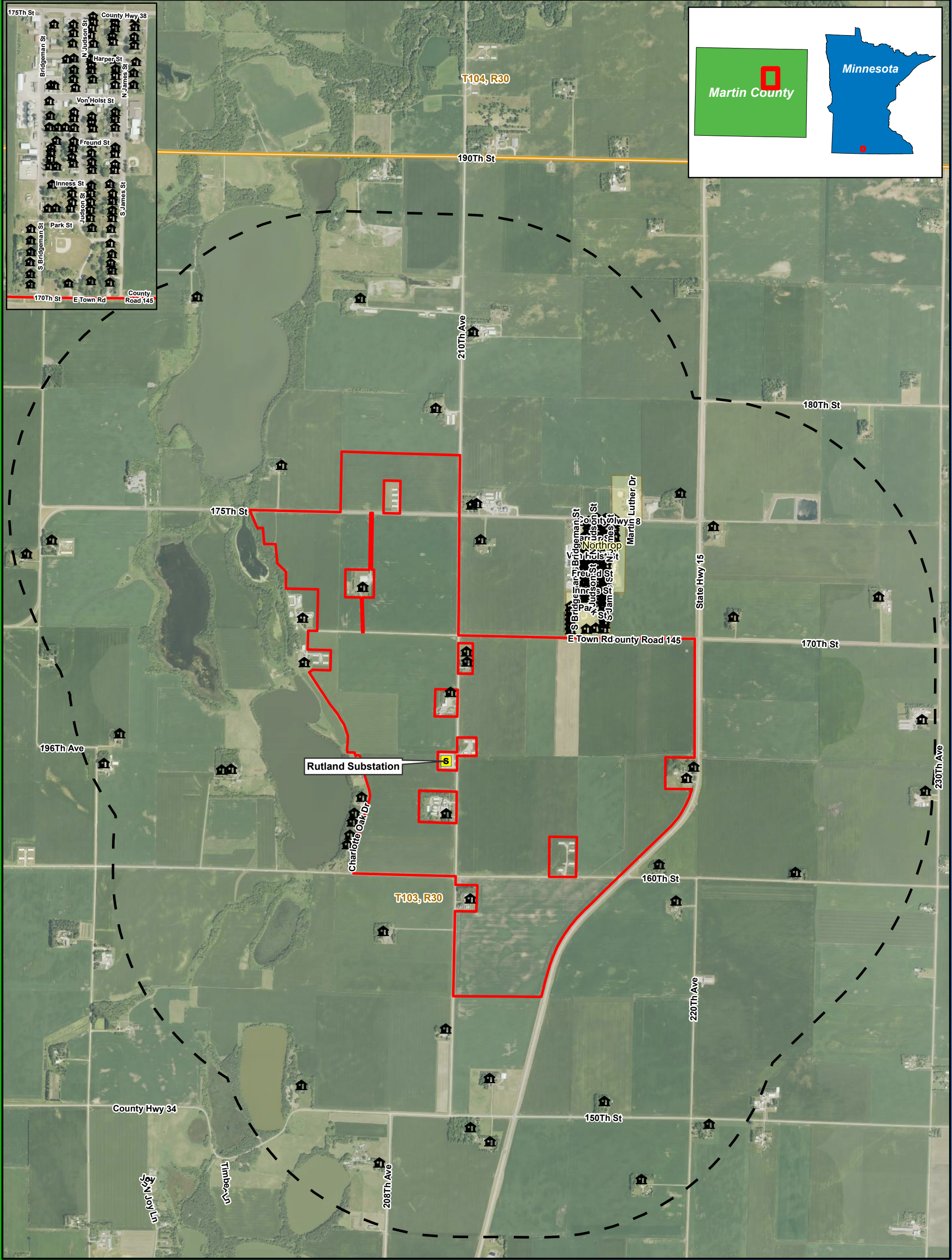
012 Miles

1:84,000

Map 5
Potential Solar
Development Constraints
Lake Charlotte Solar and
BESS Projects
Martin County, MN

- | | |
|---|--|
|  Existing Substation |  Sites of Biodiversity Significance |
|  Land Control Area |  Public Waters Inventory (PWI) |
|  Land Control Area - 5 Mile Buffer |  Railroad |
|  Wildlife Management Area (WMA) |  NHIS Record within Section |
|  Native Plant |  City/Town |
|  Community/Native Prairie |  County Boundary |

Imagery Source: 2021 FSA
Sources: National Grid Renewables, MN Geospatial Commons, MDNR, ESRI



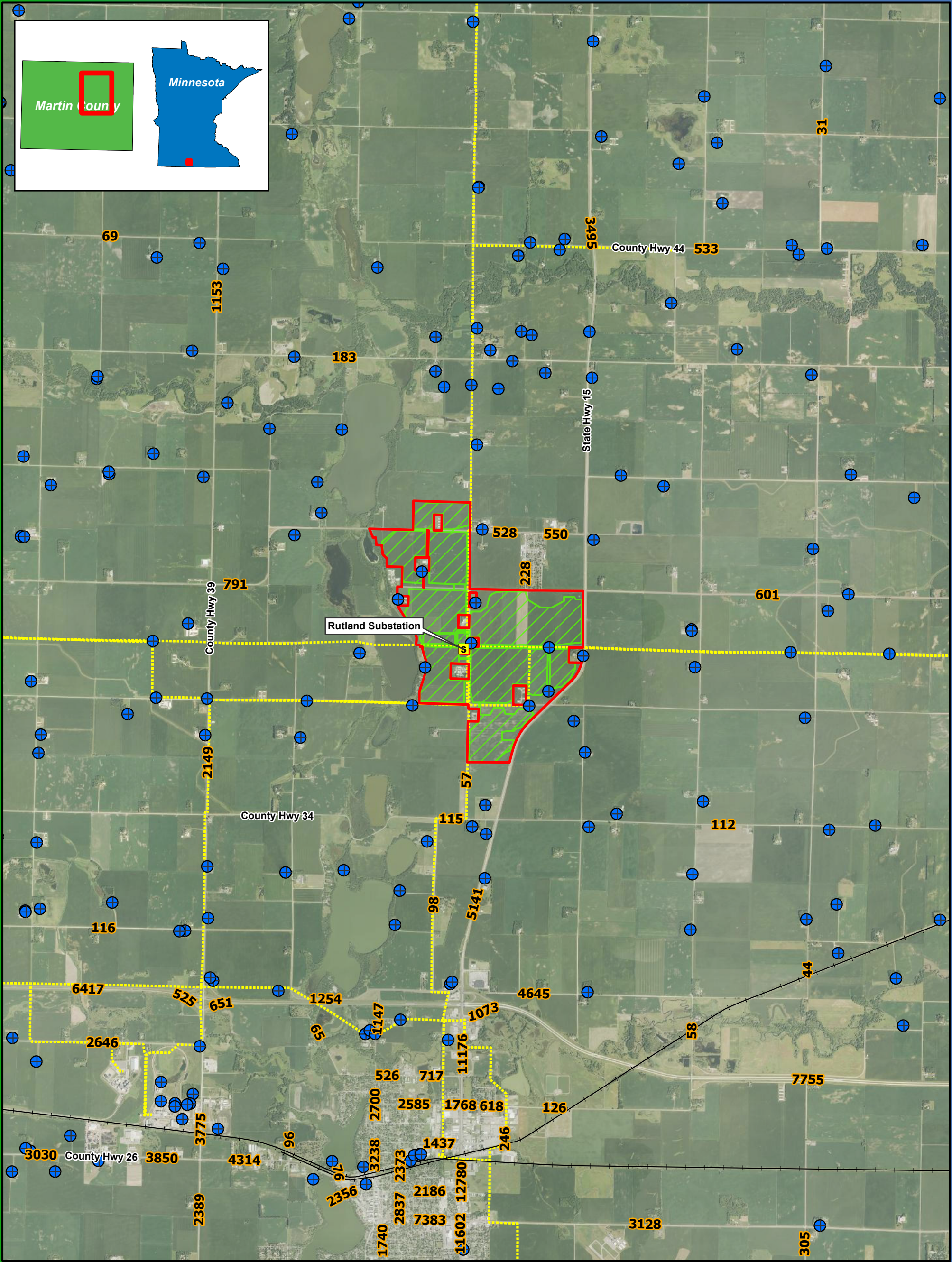
0 2,000 4,000 Feet

1:24,000

Map 6 Residences within One Mile of the Land Control Area Lake Charlotte Solar and BESS Projects Martin County, MN

- Residence
- Existing Substation
- Land Control Area
- Land Control Area - One Mile Buffer
- City/Town
- Township

Imagery Source: 2021 FSA
Sources: National Grid Renewables, MN Geospatial Commons,
MDNR, ESRI



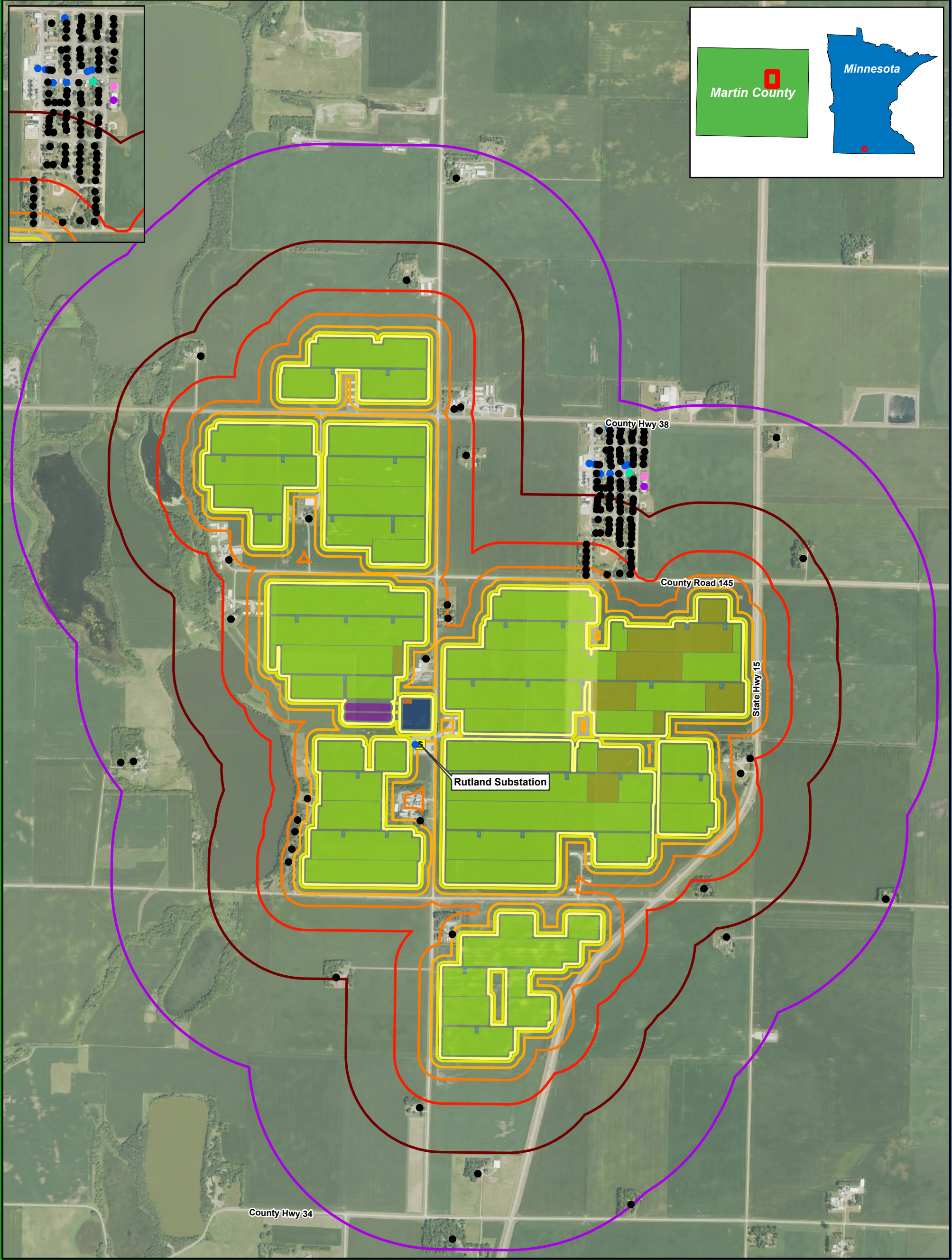
0 3,000 6,000 Feet

1:50,000

Imagery Source: 2021 FSA
Sources: National Grid Renewables, MN Geospatial Commons,
MDNR, MNDOT, ESRI

Map 7 Existing Infrastructure and AADT Lake Charlotte Solar and BESS Projects Martin County, MN

- Existing Substation
- Well
- Land Control Area
- Preliminary Development Area
- Transmission Line
- Railroad
- # AADT



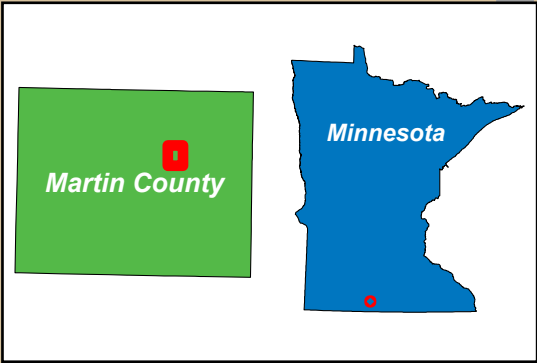
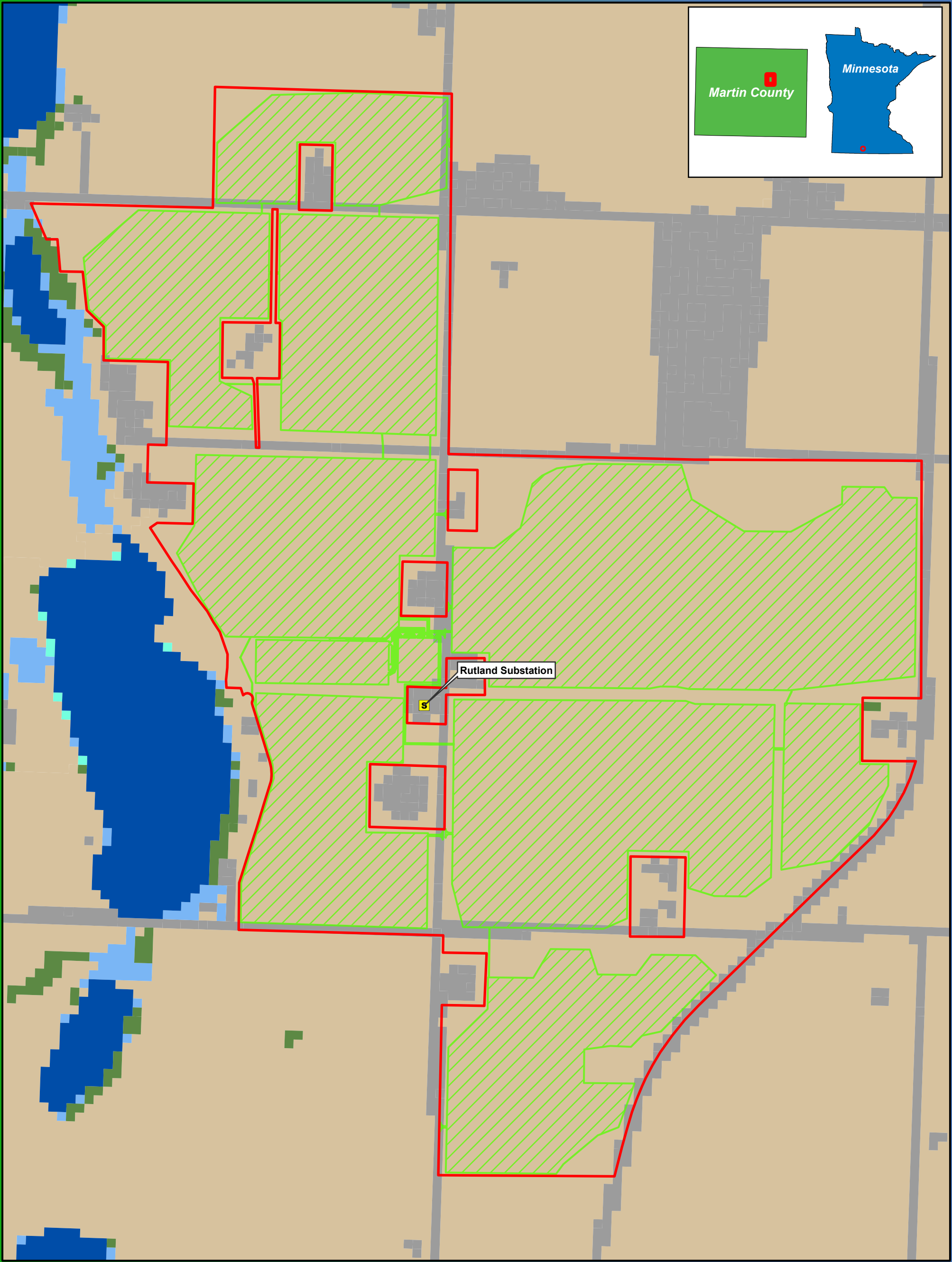
0 1,500 3,000 Feet

1:18,000

Sources: National Grid Renewables, MN Geospatial Commons, MDNR, ESRI, USGS

Map 8 Noise Receptors Lake Charlotte Solar and BESS Projects Martin County, MN

- | | |
|-----------------------|---------------------------|
| Noise Receptor | BESS Facility |
| ● Business | ■ Inverter |
| ● Church | ■ O&M Facility |
| ● Government | ■ Solar Array |
| ● Residence | ■ Solar Array - Alternate |
| ● School | ■ Project Substation |
| ■ Existing Substation | |



0 1,000 2,000 Feet

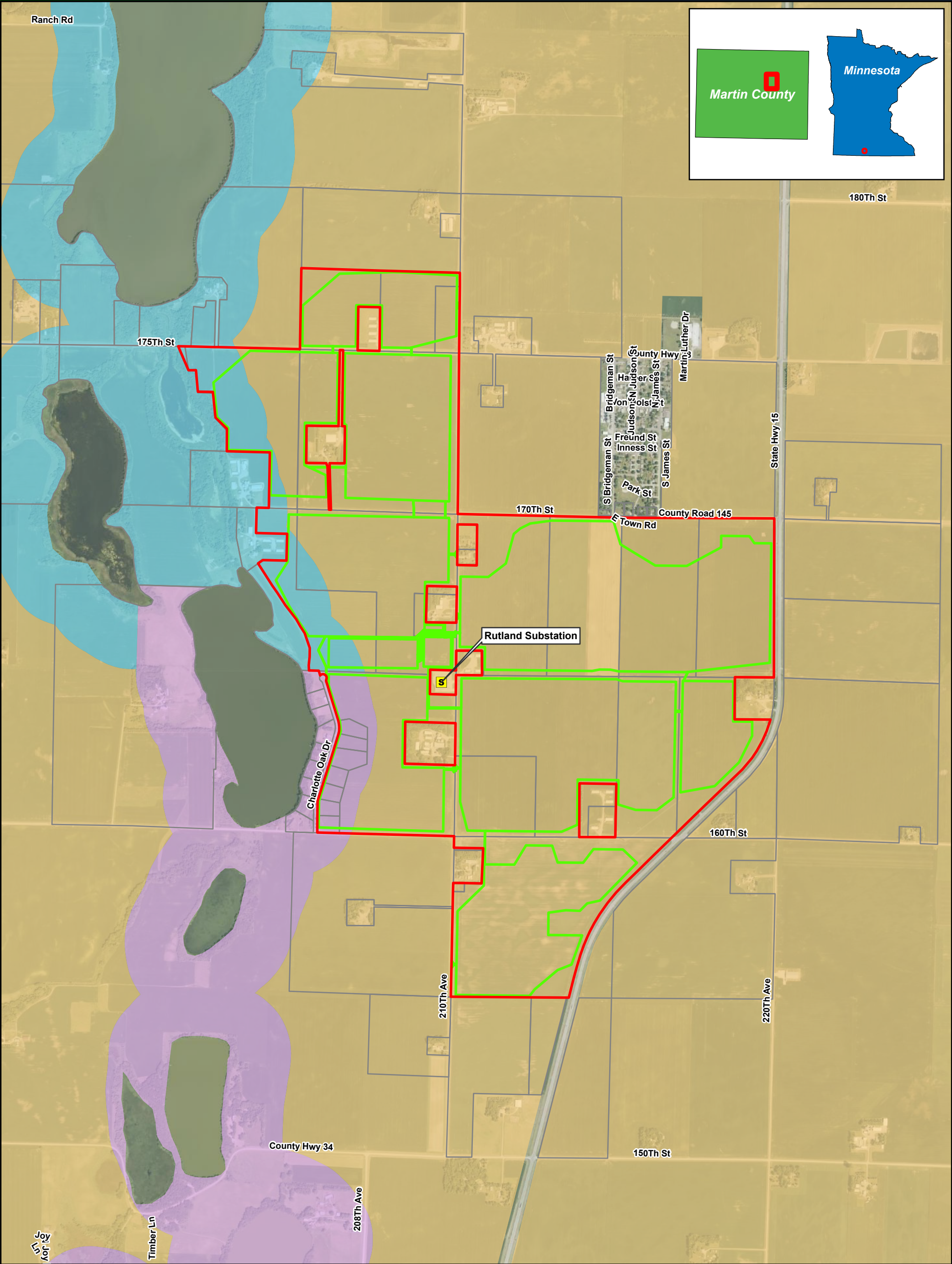
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Sources: National Grid Renewables, MN Geospatial Commons, MDNR, ESRI, USGS NLCD Database

Map 9 Land Cover/Land Use Lake Charlotte Solar and BESS Projects Martin County, MN

- Existing Substation
- Land Control Area
- Preliminary Development Area

- Agricultural Land
- Developed Land
- Emergent Wetlands
- Herbaceous Wetlands
- Forested Land
- Grassland/Herbaceous
- Open Water





0 1,500 3,000 Feet

1:18,000

Imagery Source: 2021 FSA
Sources: National Grid Renewables, MN Geospatial Commons,
MDNR, ESRI, Nobles County

Figure 10
Zoning
Lake Charlotte Solar and
BESS Projects
Martin County, MN

 Existing Substation

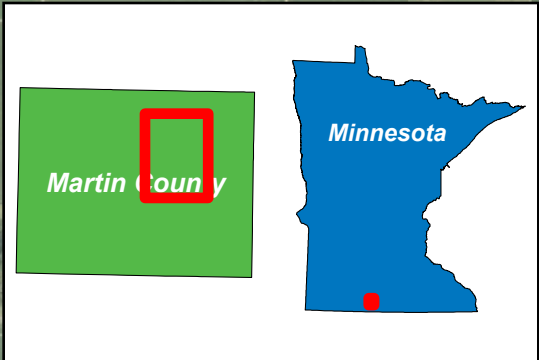
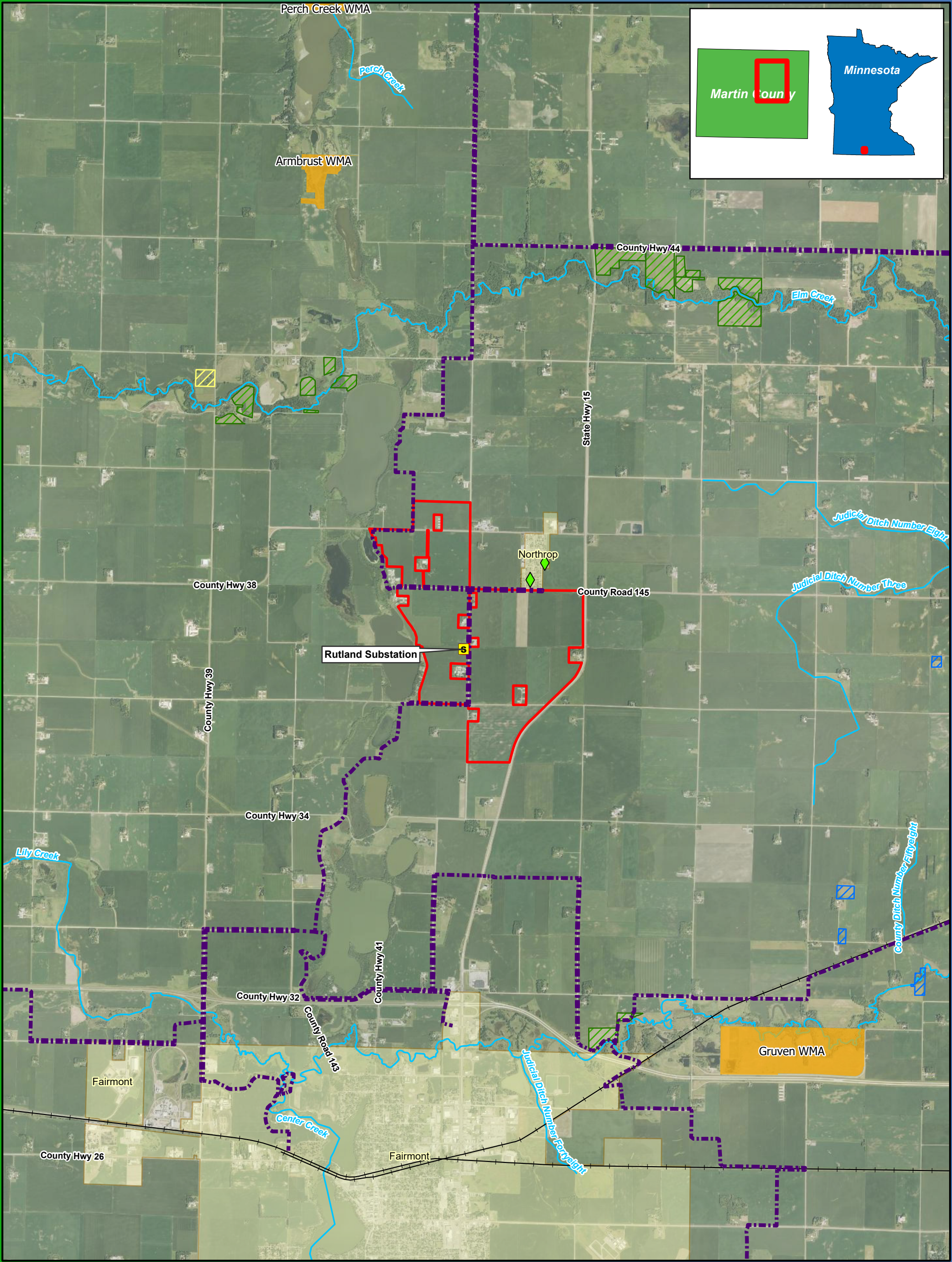
 Land Control Area

 Preliminary Development Area

 Parcel Boundary

Martin County Zoning

-  Agriculture (A)
-  Shoreland Special Protection (SL1)
-  Shoreland Residential Recreational (SL2)



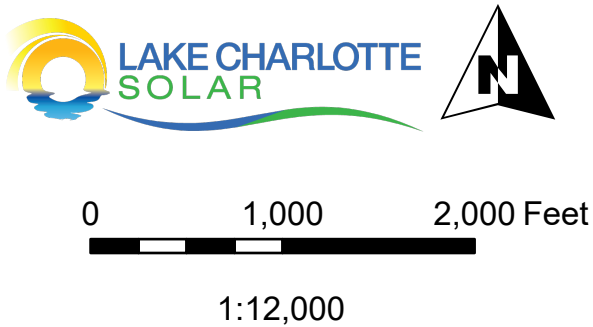
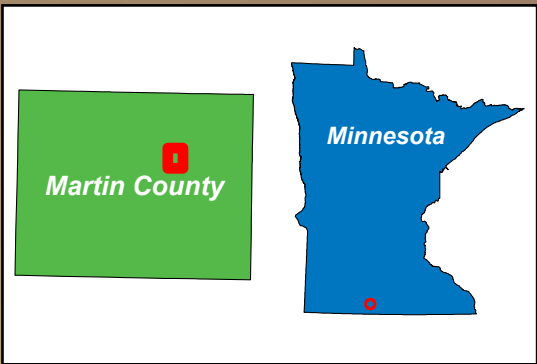
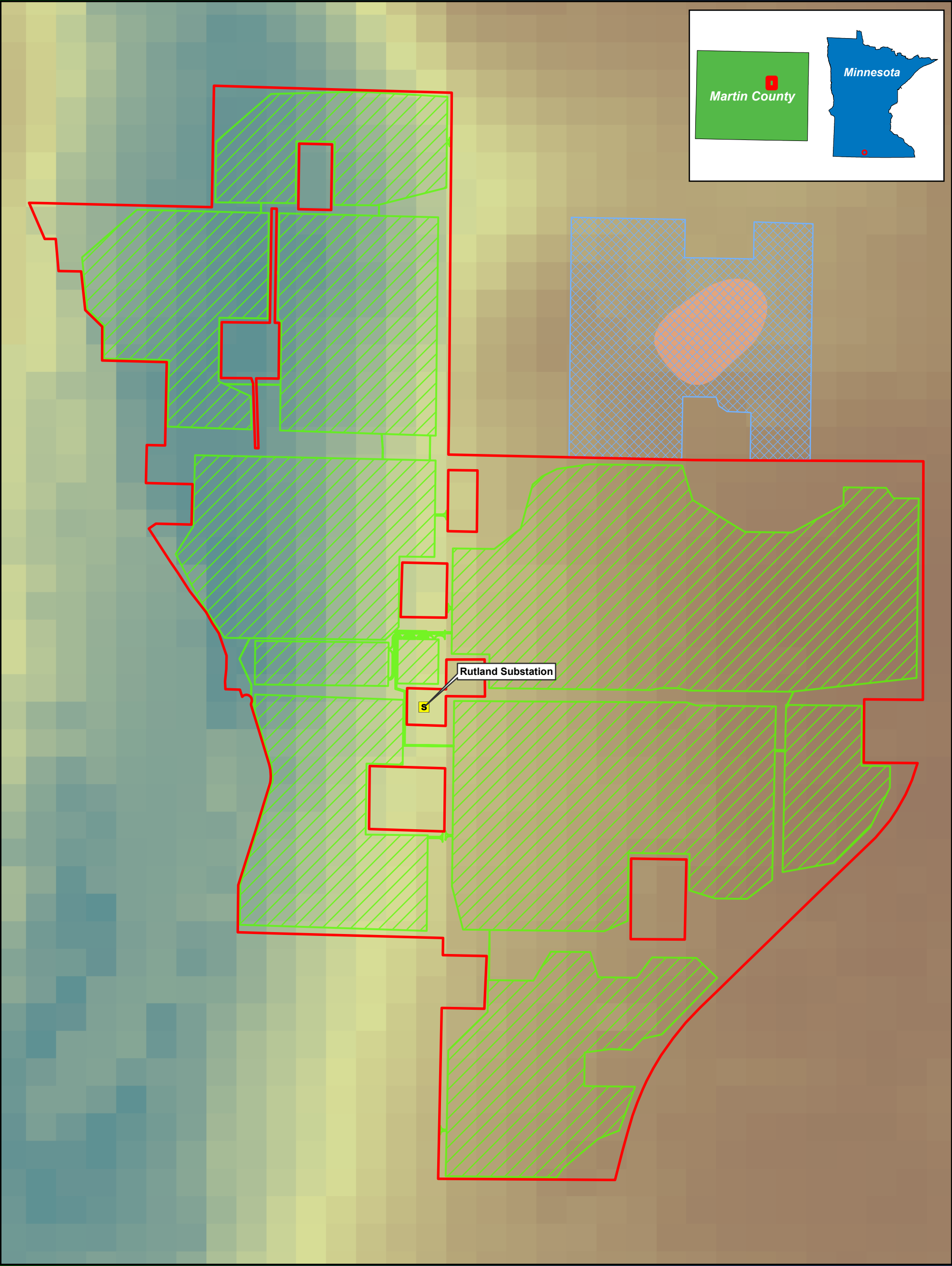
0 0.75 1.5 Miles

1:50,000

Imagery Source: 2021 FSA
Sources: National Grid Renewables, MN Geospatial Commons,
MDNR, ESRI

Map 11 Public Land Ownership and Recreation Lake Charlotte Solar and BESS Projects Martin County, MN

- | | |
|--------------------------------|---------------------------|
| Existing Substation | PWP Conservation Easement |
| Land Control Area | RIM Conservation Easement |
| Softball Field | NHD Named Stream |
| Wildlife Management Area (WMA) | Snowmobile Trail |
| CREP III Conservation Easement | Railroad |
| | City/Town |

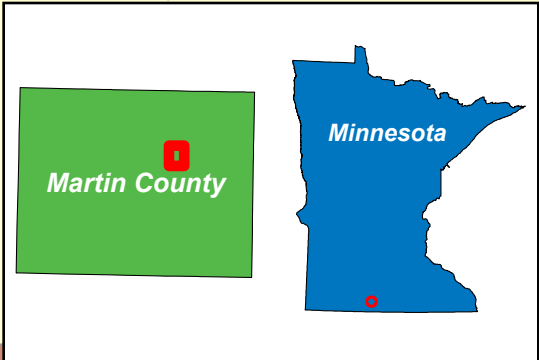
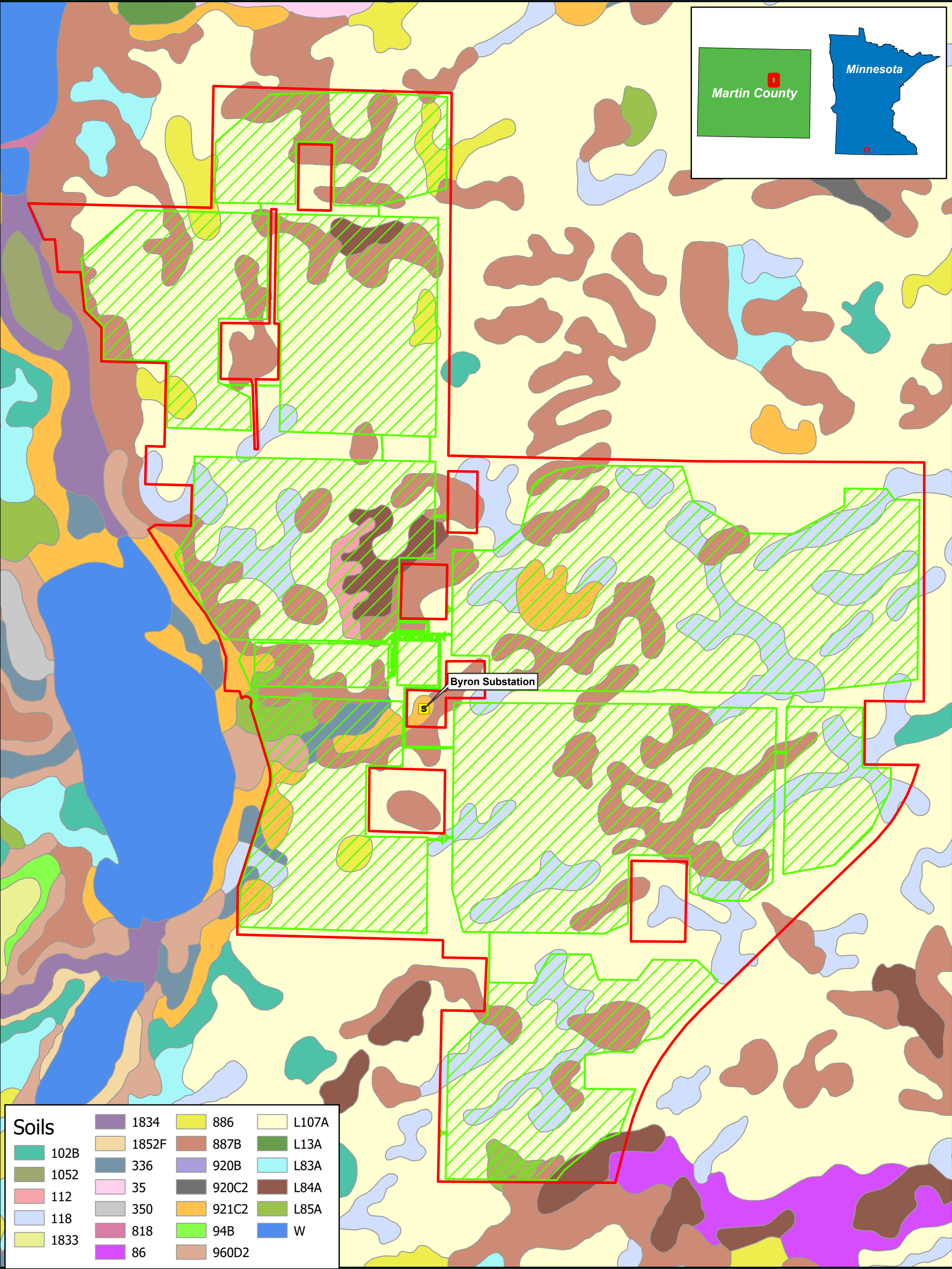


Map 12
Site Geology and
Depth to Bedrock
Lake Charlotte Solar and
BESS Projects
Martin County, MN

- Existing Substation
- Land Control Area
- Preliminary Development Area
- Supply Management Area
- Wellhead Protection Area
- Depth to Bedrock (Ft)

398.7
120.7

Imagery Source: 2021 FSA
Sources: National Grid Renewables, MN Geospatial Commons,
MDNR, ESRI



Soils			
	102B		1834
	1052		1852F
	112		336
	118		35
	1833		350
	86		818
	960D2		920B
	920C2		921C2
	94B		886
	L107A		887B
	L13A		L84A
	L83A		L85A
	W		



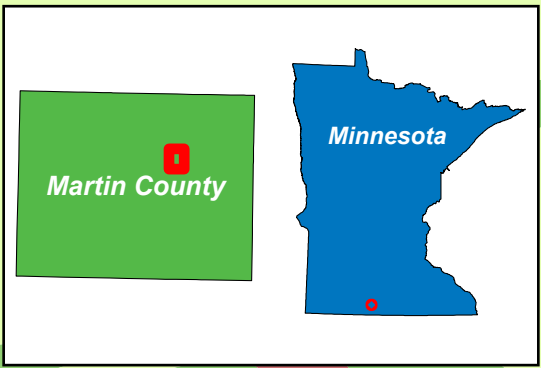
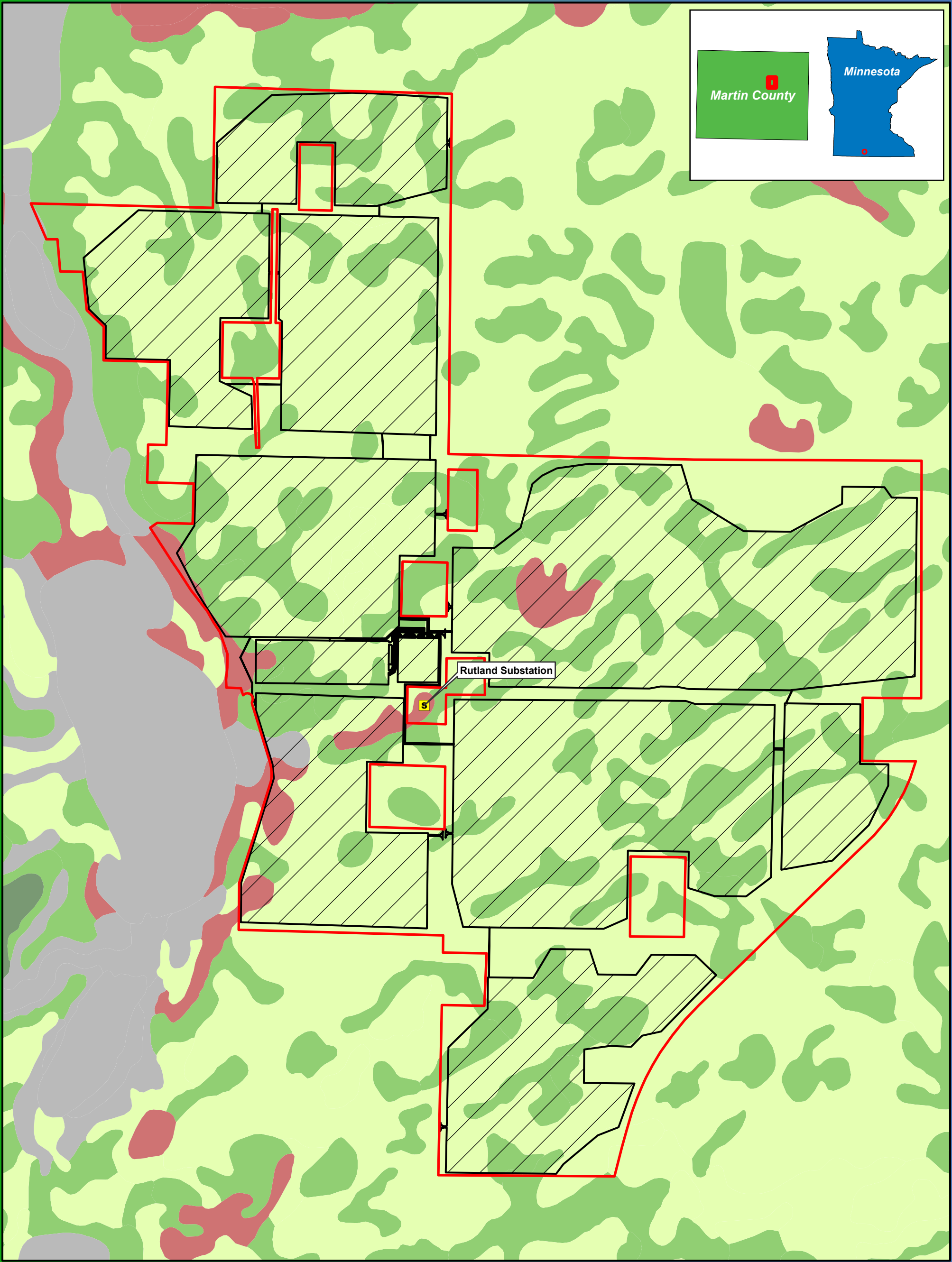
01,0002,000 Feet

1:12,000

Map 13
NRCS Soils Map
Lake Charlotte Solar and
BESS Projects
Martin County, MN

-  Existing Substation
-  Land Control Area
-  Preliminary Development Area

Imagery Source: 2021 FSA
Sources: National Grid Renewables, MN Geospatial Commons,
MDNR, ESRI, NRCS Web Soil Survey





01,0002,000 Feet

1:12,000

Map 14
Farmland Classifications
Lake Charlotte Solar and
BESS Projects
Martin County, MN

- S

Existing Substation

Land Control Area

Preliminary Development Area

Farmland Classification

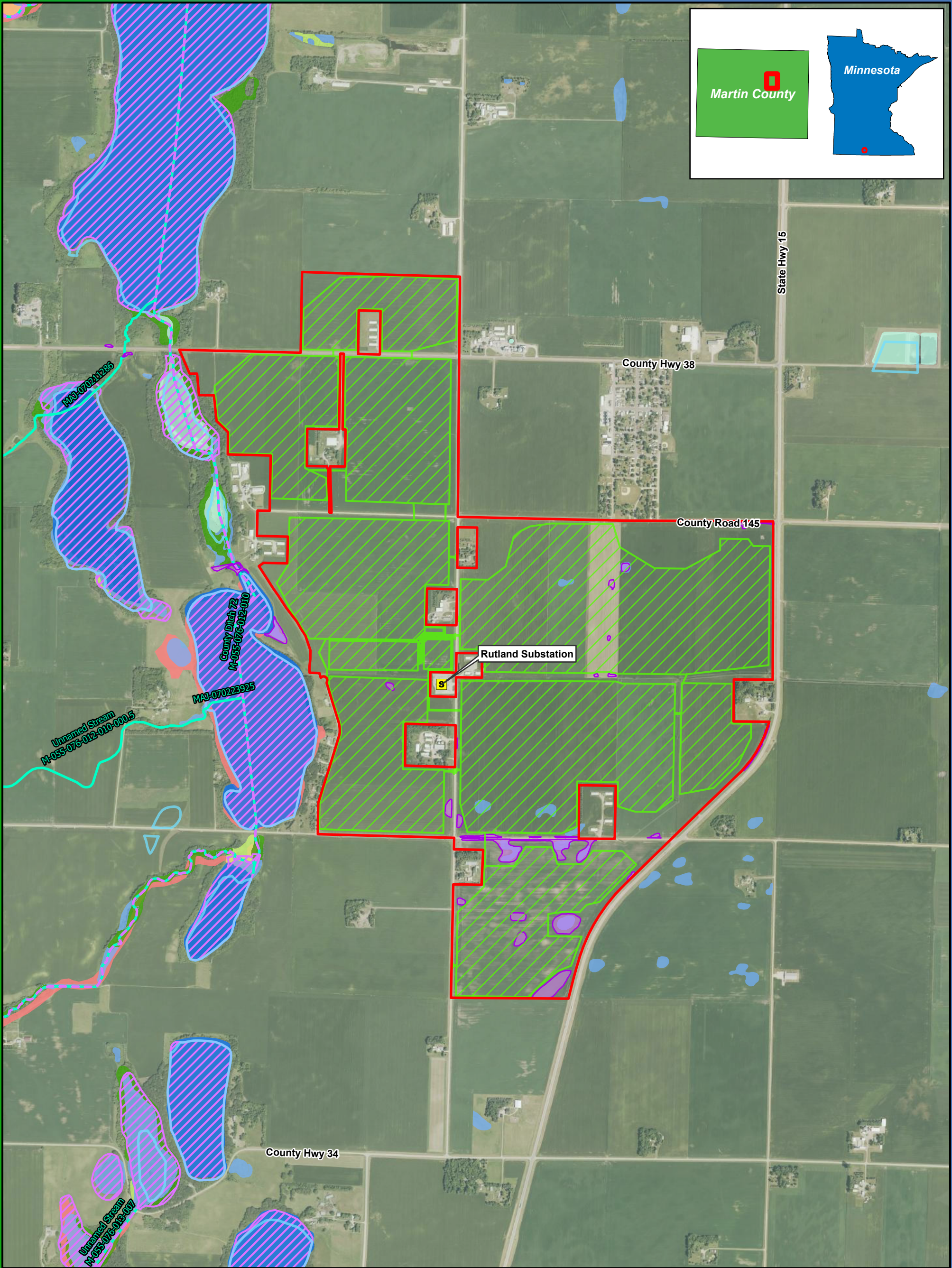
Prime Farmland

Prime Farmland if Drained

Prime Farmland - Other Categories

Farmland of Statewide Importance

Not Prime Farmland
- Imagery Source: 2021 FSA
Sources: National Grid Renewables, MN Geospatial Commons,
MDNR, ESRI, NRCS Web Soil Survey
- Date: 4/7/2025





01,5003,000 Feet

1:18,000

Map 15
Surface Waters
Lake Charlotte Solar and
BESS Projects
Martin County, MN

- S

Existing Substation

Land Control Area

Preliminary Development Area

Watercourse (MDNR)

PWI Watercourse

PWI Waterbody

Lake/Pond (MDNR)

Delineated Wetland

Freshwater Emergent Wetland

Freshwater Forested Wetland

Freshwater Pond

Freshwater Shrub Wetland

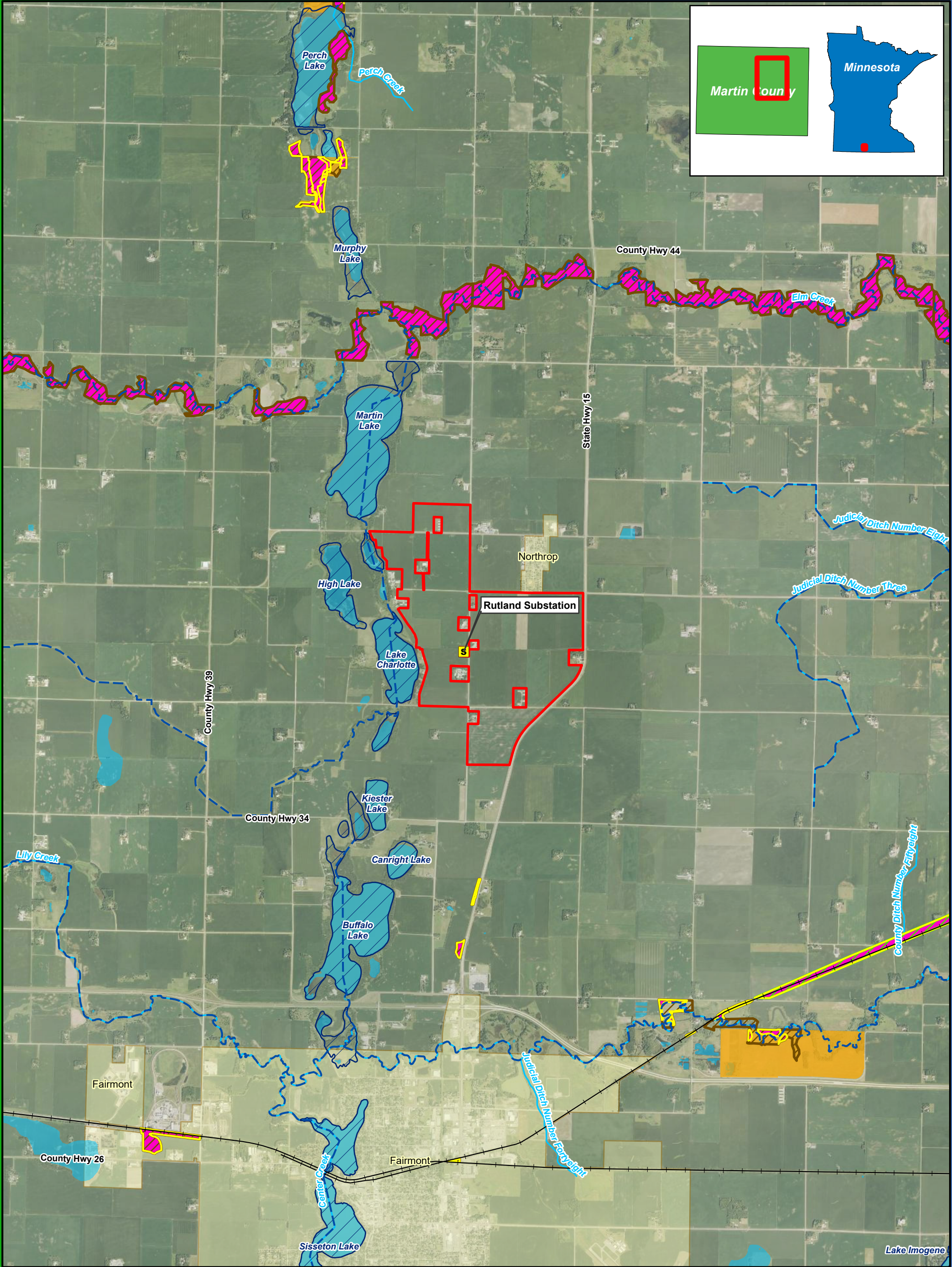
Freshwater Forested/Shrub Wetland

Lake

Riverine

Floodplain Zone A

Imagery Source: 2021 FSA
Sources: National Grid Renewables, MN Geospatial Commons, MDNR, ESRI



1:50,000

Imagery Source: 2021 FSA
Sources: National Grid Renewables, MN Geospatial Commons,
MDNR, ESRI

Map 16 Unique Natural Resources Lake Charlotte Solar and BESS Projects Martin County, MN

- | | |
|---|---|
| S Existing Substation | Public Waters |
| → Railroad | Inventory Basin (PWI) |
| Red Outline Land Control Area | Named River/Stream |
| Wildlife | Lake/Pond |
| Orange Management Area (WMA) | County Boundary |
| Pink Native Plant Community | City/Town |
| Yellow Native Plant Community/Native Prairie | Sites of Biodiversity Significance |
| Blue Dashed Public Waters Inventory (PWI) | Green High |
| | Brown Moderate |