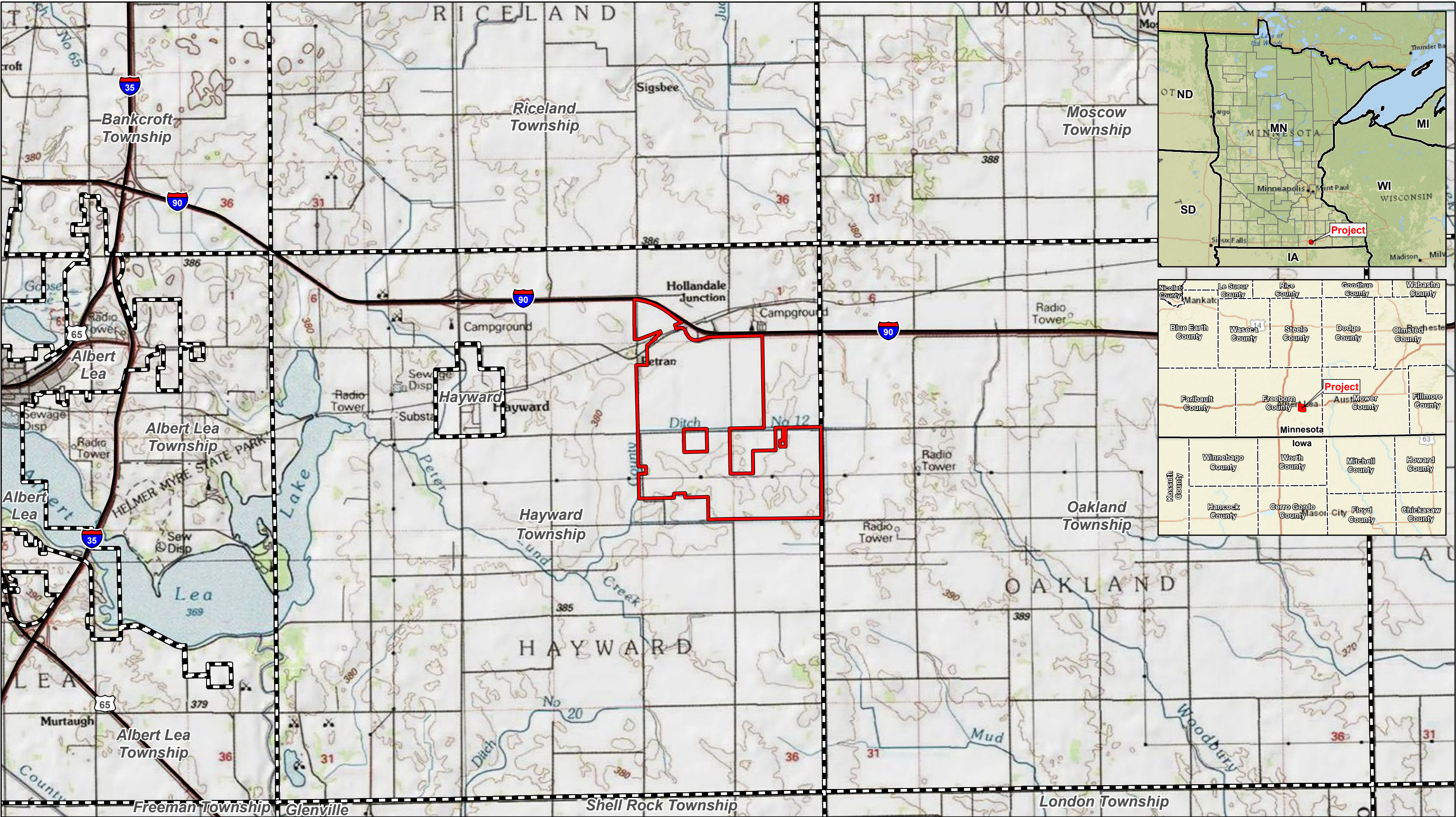


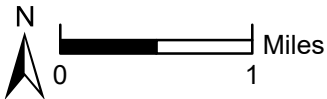
Figures



Data Source(s): Westwood (2021); ESRI WMS
USA Topo, National Geographic, & World Streets
Basemaps (Accessed 2021); Census Bureau
(2019).

Legend

-  Project Area
-  Municipal Boundary
-  Major Road



Hayward Solar Project

Freeborn County, Minnesota

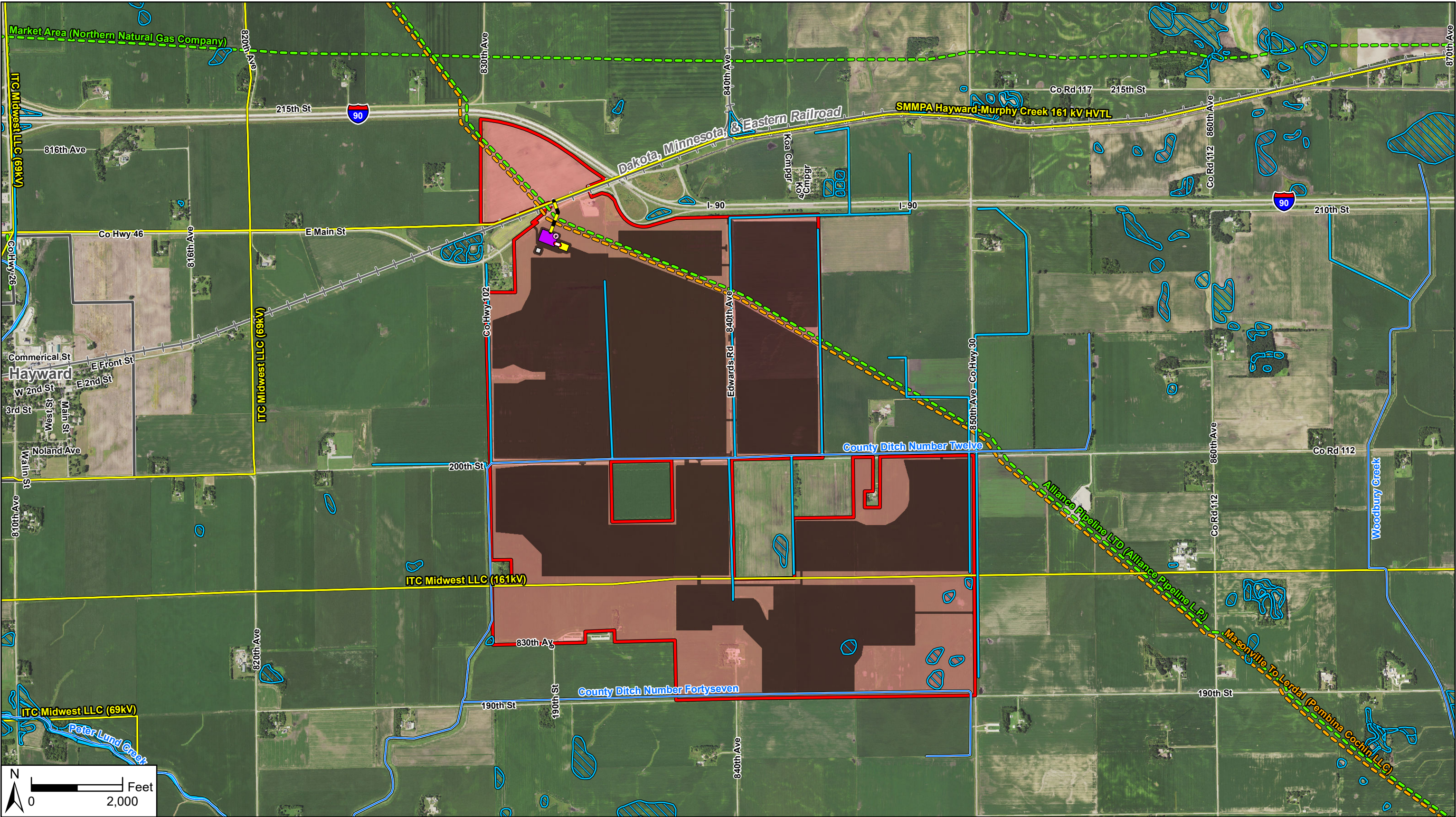
Project Location &
USGS Topography

FIGURE 1

Westwood

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Map Document: N:\0026599.00\GIS\SPA Figures\Hayward_SPA_Fig01_ProjectLocation&USGSTopography_210427.mxd 4/27/2021 5:03:26 PM radevito



Data Source(s): Westwood (2021); Minnesota NAIP Imagery (2019); Census Bureau (2019); Ventyx Velocity Suite, Ventyx Energy LLC (2020); USGS NHD Dataset (2019); U.S. Fish and Wildlife Service (2020); Ducks Unlimited (2020); NPMS (2021). Existing pipeline routes are approximate.

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Legend

Project Area

Current Site Control Area

Preliminary Development Area

Municipal Boundary

Proposed Substation

SMMPA Switchyard

Proposed O&M Building

POI

SMMPA Line Tap

Project Gen-Tie Line

Existing Transmission Line

Existing Natural Gas Pipeline

Existing Crude Oil Pipeline

Major Waterway

NWI Wetland

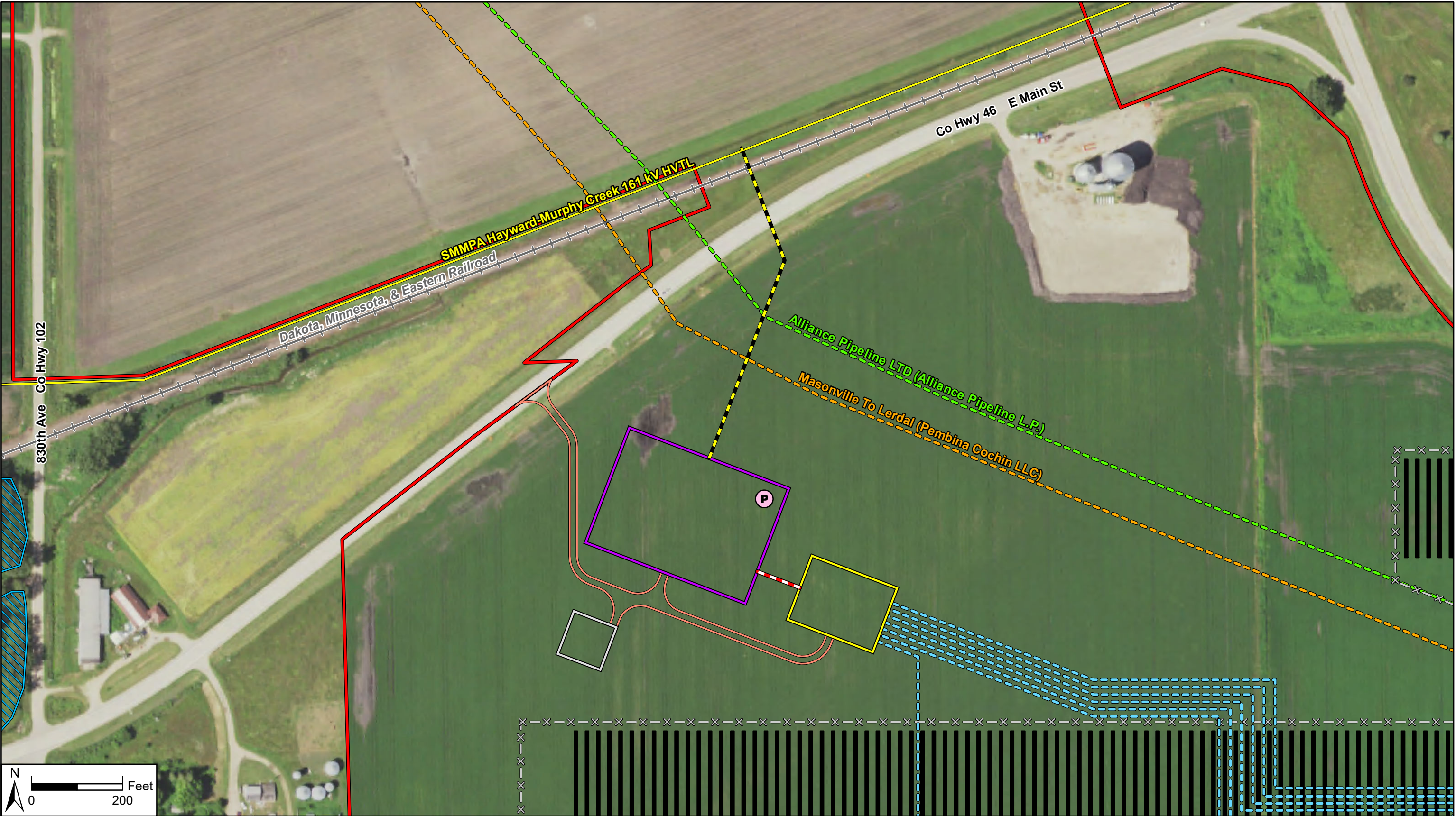
Railroad

Hayward Solar Project

Freeborn County, Minnesota

**Land Rights & Preliminary
Development Area**

FIGURE 2



Data Source(s): Westwood (2021); Minnesota NAIP Imagery (2019); Census Bureau (2019); Ventyx Velocity Suite, Ventyx Energy LLC (2020); USGS NHD Dataset (2019); U.S. Fish and Wildlife Service (2020); Ducks Unlimited (2020); NPMS (2021). Existing pipeline routes are approximate.

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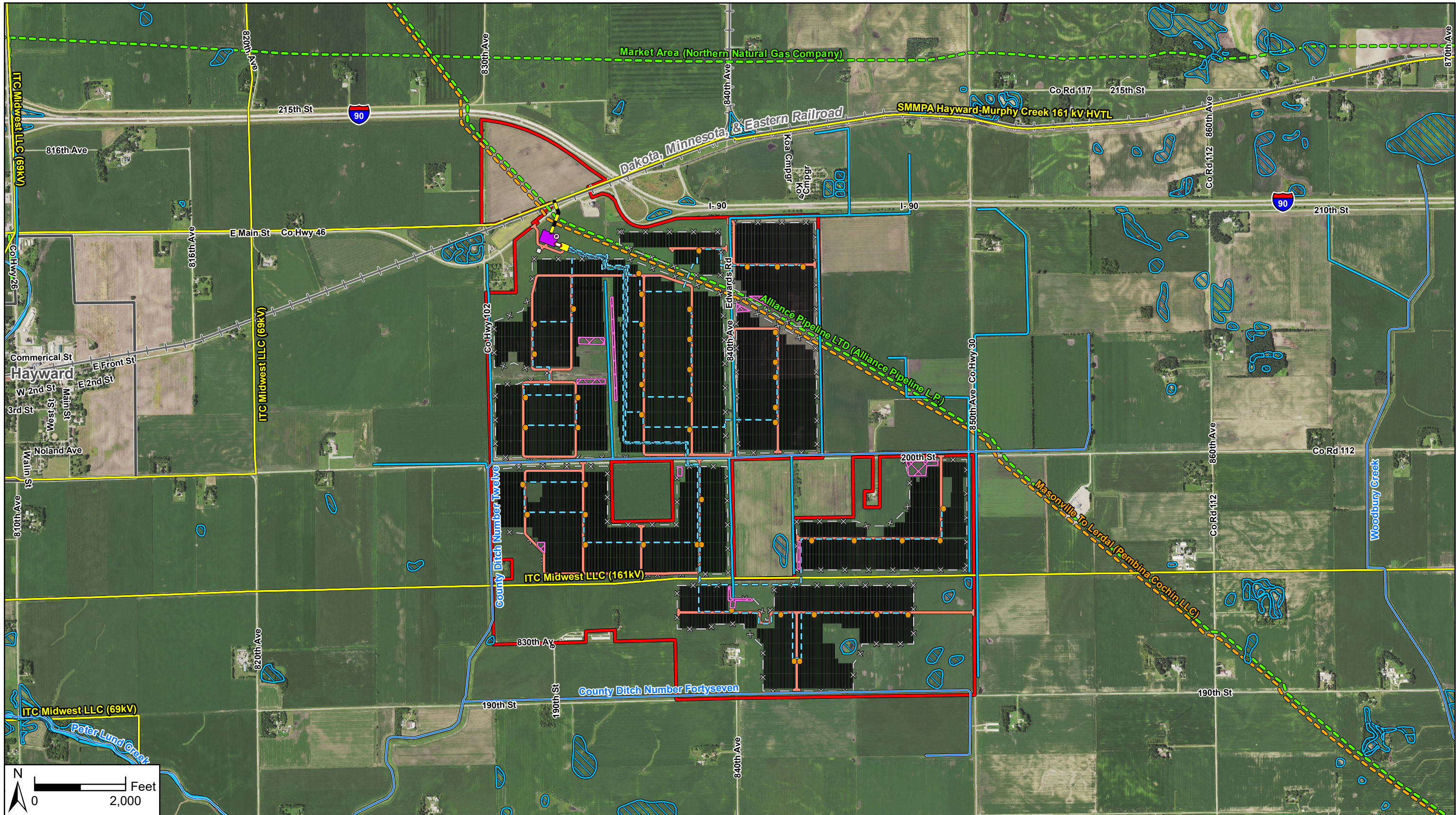
Legend

- | | | | | |
|-------------------------------------|--|-------------------------------|------------------------------|-------------------------------|
| Project Area | Proposed Project Access Road | Proposed Project Substation | POI | Existing Transmission Line |
| Proposed Project Solar Array Layout | SMMPA Line Tap | SMMPA Switchyard | Proposed Project Water Basin | Existing Natural Gas Pipeline |
| Proposed Project Fence Boundary | Project Gen-Tie Line | Proposed Project O&M Building | Major Waterway | Existing Crude Oil Pipeline |
| | Proposed Project Underground Collection Line | Proposed Project Inverter | NWI Wetland | Railroad |

Hayward Solar Project
Freeborn County, Minnesota

Project Interconnection Facilities

FIGURE 3



Data Source(s): Westwood (2021); Minnesota NAIP Imagery (2019); Census Bureau (2019); Ventyx Velocity Suite, Ventyx Energy LLC (2020); USGS NHD Dataset (2019); U.S. Fish and Wildlife Service (2020); Ducks Unlimited (2020); NPMS (2021). Existing pipeline routes are approximate.

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Legend

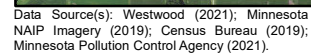
- | | | | | | |
|-------------------------------------|----------------------------------|-------------------------------|----------------------|------------------------------|-------------------------------|
| Project Area | Proposed Project Access Road | Proposed Project Substation | POI | Proposed Project Water Basin | Existing Transmission Line |
| Proposed Project Solar Array Layout | Proposed Project Collection Line | SMMPA Switchyard | SMMPA Line Tap | Major Waterway | Existing Natural Gas Pipeline |
| Proposed Project Fence Boundary | Proposed Project Inverter | Proposed Project O&M Building | Project Gen-Tie Line | NWI Wetland | Existing Crude Oil Pipeline |
| Municipal Boundary | | | | Railroad | |

Hayward Solar Project

Freeborn County, Minnesota

Preliminary Facility Design

FIGURE 4



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1-Mile Project Area Buffer

Nearby Residence
or Campground Site

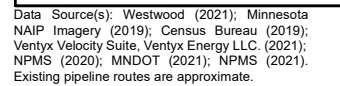
Municipal Boundary



Freeborn County, Minnesota

MPCA Sites in Project Vicinity

FIGURE 5



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Project Area

1-Mile Project Area Buffer

Municipal Boundary

 Existing Substation
 Airport
 Natural Gas Compressor Station

Existing Transmission Line

Existing Natural Gas Pipeline

Existing Crude Oil Pipeline

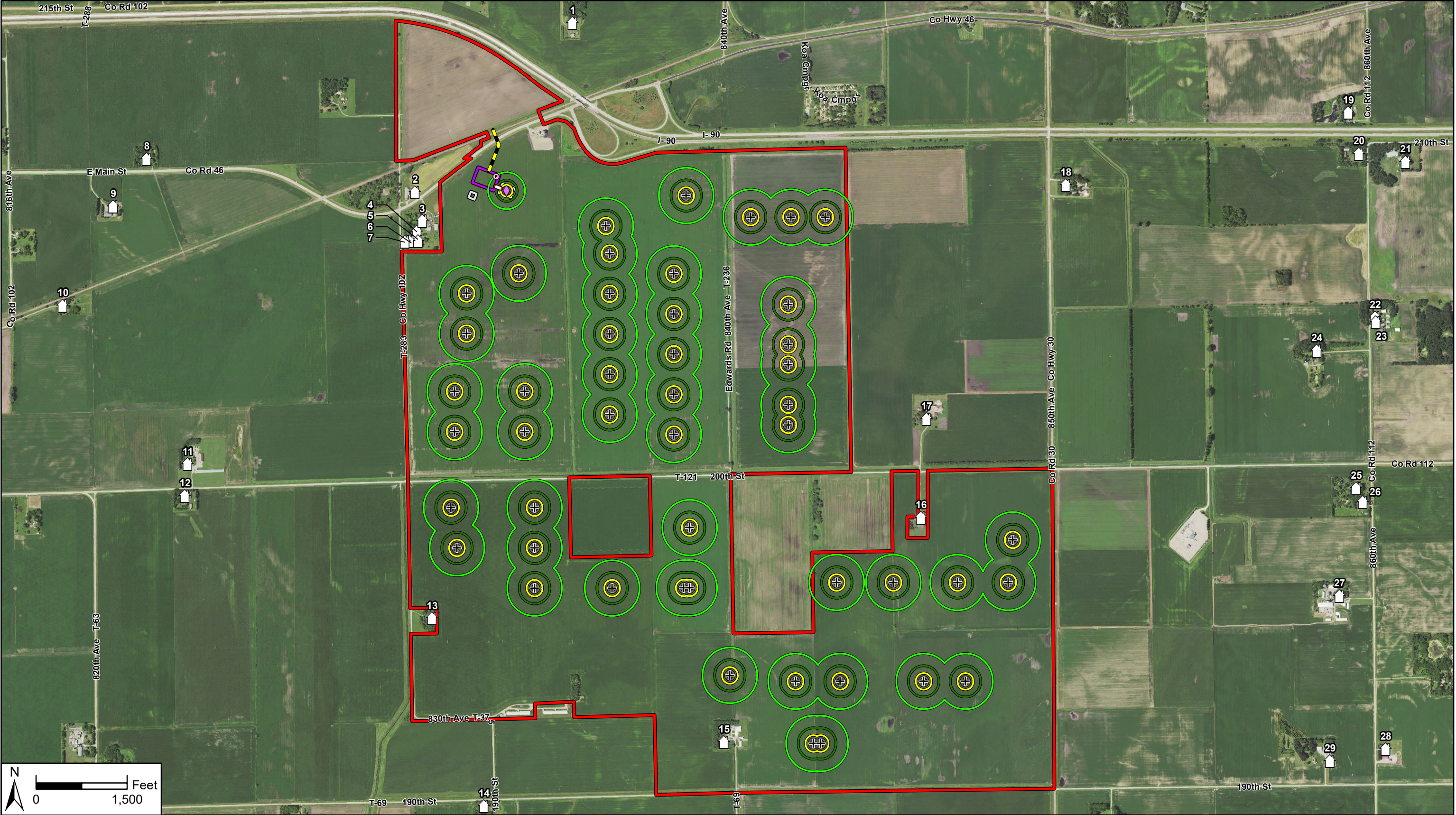
 Railroad
 Snowmobile Trail

15 - 205 1,501 - 2,800
206 - 810 2,801 - 12,700
811 - 1,500

Freeborn County, Minnesota

Existing Infrastructure & Traffic Summary

FIGURE 6



Data Source(s): Westwood (2021); Minnesota NAIP Imagery (2019); Census Bureau (2019).

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Legend

- Project Area
- Proposed Project Substation
- SMMPA Switchyard
- Proposed Project O&M Building
- POI
- SMMPA Line Tap
- Project Gen-Tie Line
- Proposed Project Inverter Skid
- Proposed Project Substation Transformer
- Residence

Decibel Levels

- 90dBA
- 75dBA
- 60dBA
- 55dBA
- 50dBA
- 45dBA
- 40dBA
- 35dBA

Hayward Solar Project
Freeborn County, Minnesota

Noise Modeling Results

FIGURE 7