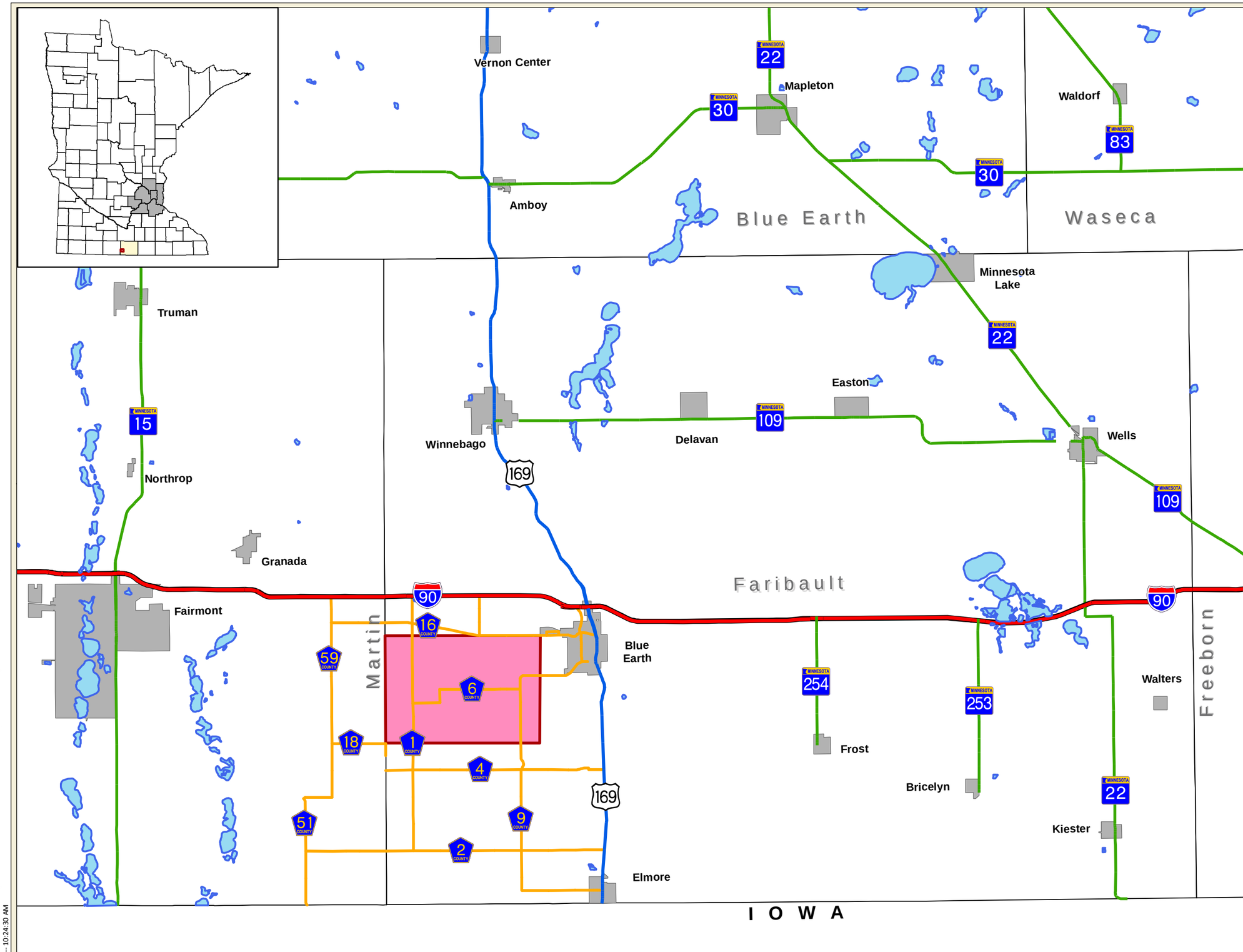
Regional Location Map

Map 1



Legend

- Interstate Trunk Highway
- U.S. Trunk Highway
- Minnesota Trunk Highway
- County Highway
- Project Boundary
- Municipal Boundaries
- County Boundary
- Lakes
- Rivers

Source: MnDNR, MnDOT

0 3.5 Miles

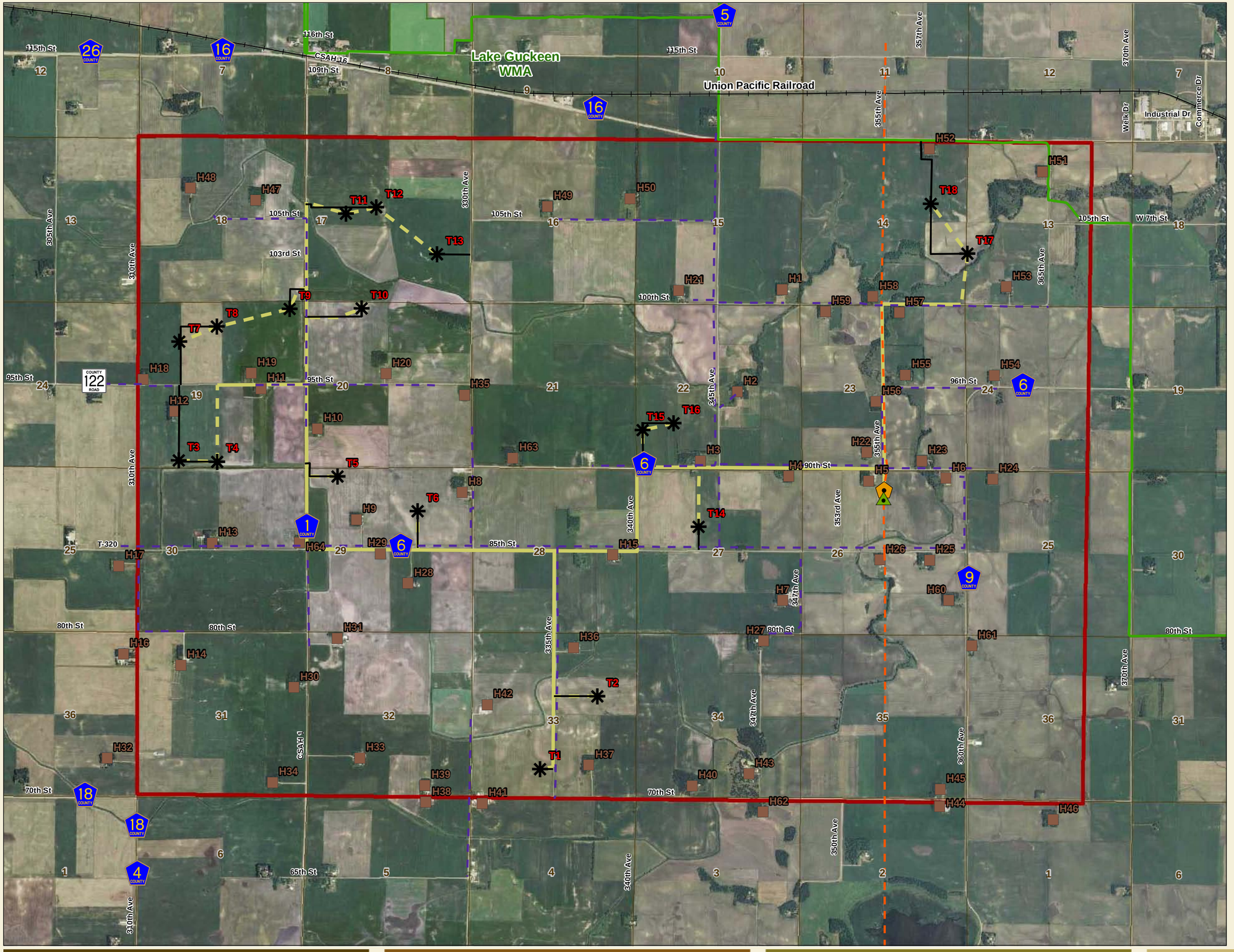
LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32101673\ESRI\Maps\18-2MW WTG Option\101673-Regional Location Map 11x17.mxd)
1/19/2011 -- 10:24:30 AM



Proposed Siting Layout
18 - 2 MW WTG Option

Map 2-A

Legend

- Housing Units
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Existing 161 kV Line
- Existing Distribution Line
- Snowmobile Trail
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- WMA Boundaries
- Project Boundary
- Section lines
- Railroad

Source:
USGS, MnDNR, LMIC, 2008 FSA Photography

0 3,000 Feet

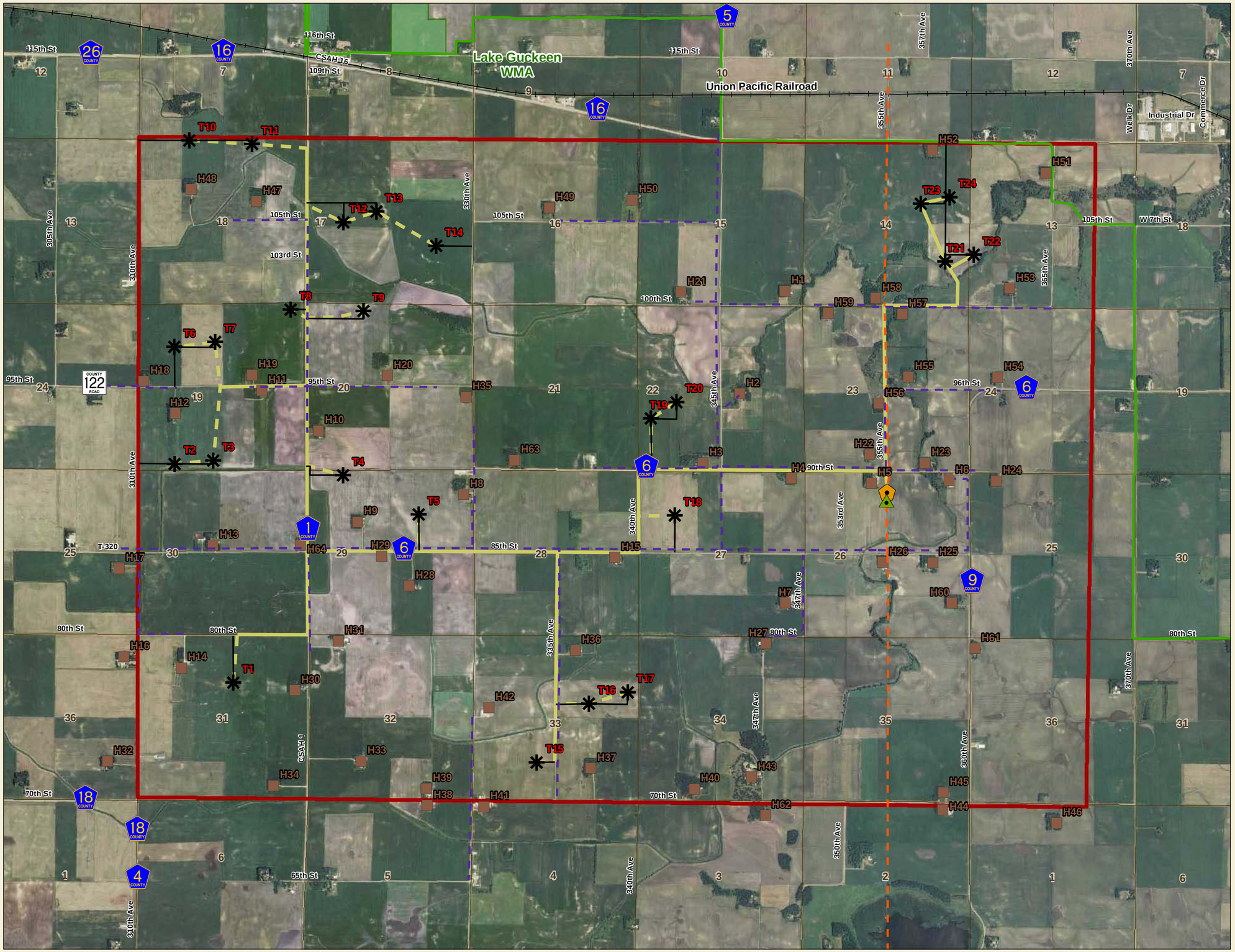
LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M3210167 3\ESRI\Maps\18-2MW WTG Option\101673 Proposed Siting Layout 11x17.mxd)
1/19/2011 -- 6:13:42 PM



Proposed Siting Layout
24 - 1.5 MW WTG Option

Map 2-B

Legend

- Housing Units
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Existing 161 kV Line
- Existing Distribution Line
- Snowmobile Trail
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- WMA Boundaries
- Project Boundary
- Section lines
- Railroad

Source:
USGS, MnDNR, LMIC, 2008 FSA Photography

0 3,000 Feet

LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

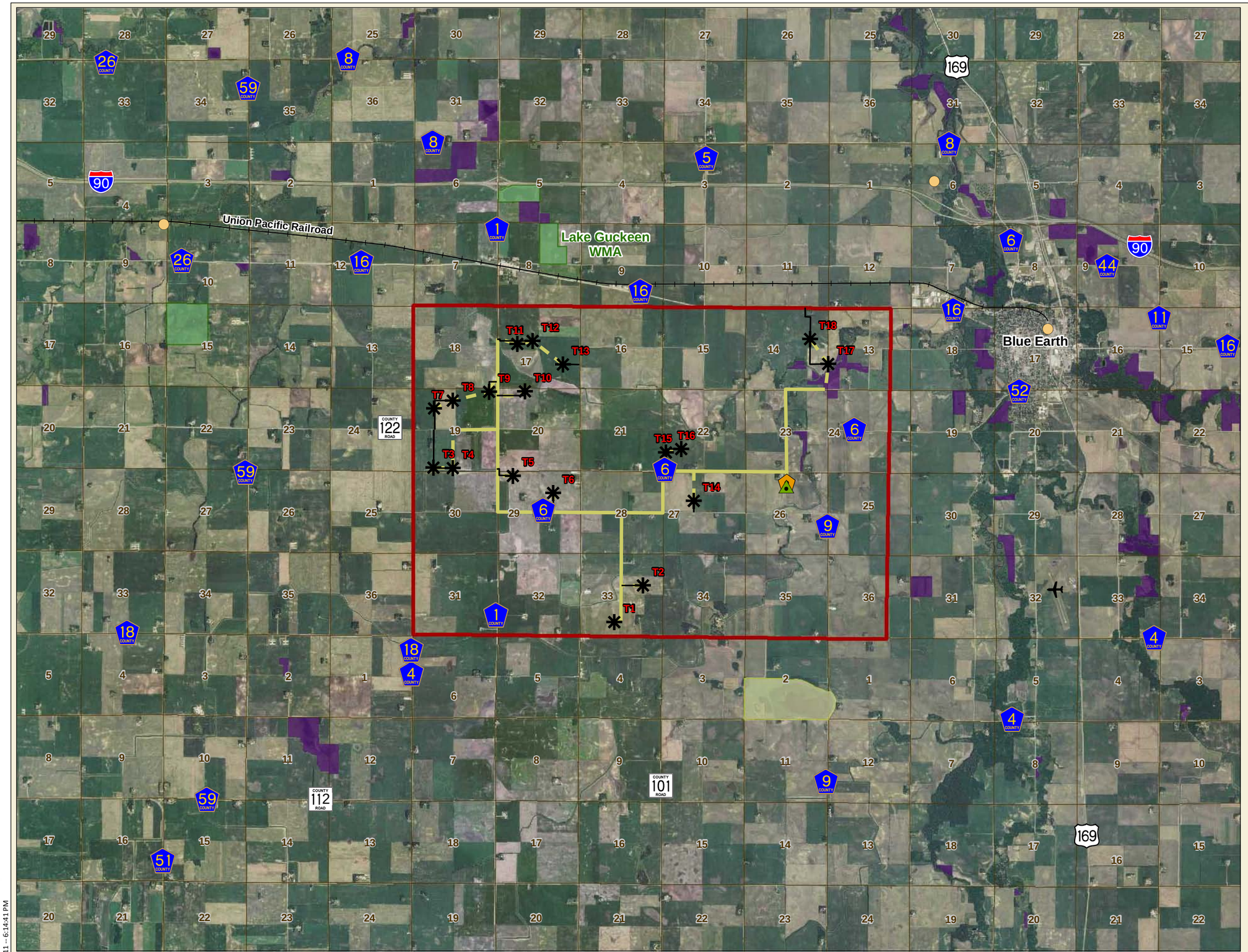
BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32\101673\ESRI\Maps\24-2MW WTG Option\101673 Proposed Siting Layout_11x17.mxd)
1/19/2011 -- 5:01:10 PM

Public Land, Recreation & RIM
18 - 2 MW WTG Option

Map 3-A



Legend

- Airport
- Reinvest in Minnesota (RIM)
- WMA Boundaries
- USFWS Waterfowl Production Areas
- Cellular Tower Locations
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Section lines
- Railroad

Source:
USGS, MnDNR, LMIC

0 6,000 Feet

LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

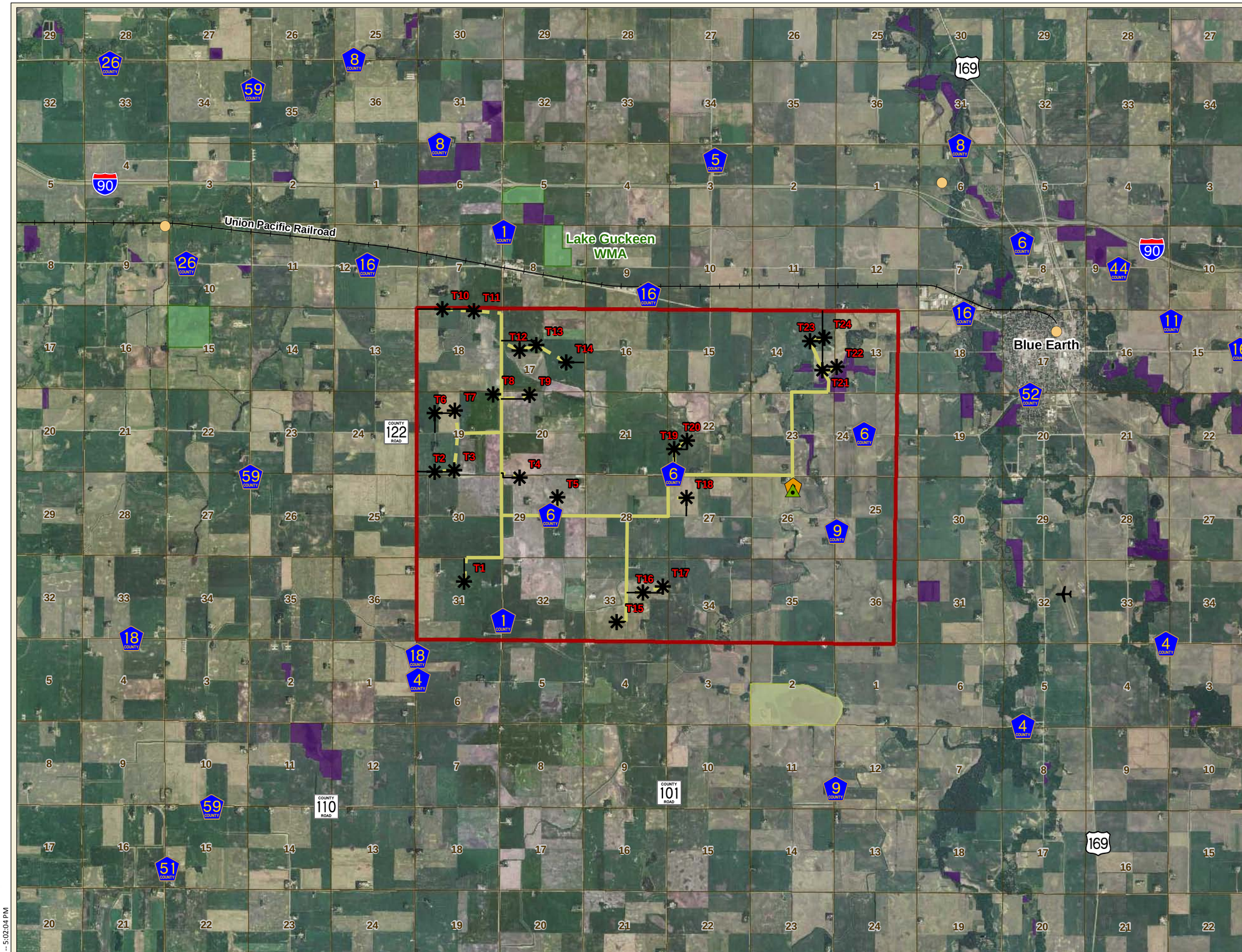
BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\W32101673\ESRI\Maps\18-2MW WTG Option\101673 Public Land - Recreation - Rim Layout 11x17.mxd)
1/19/2011 -- 6:14:41 PM

Public Land, Recreation & RIM
24 - 1.5 MW WTG Option

Map 3-B



Legend

- Airport
- Reinvest in Minnesota (RIM)
- WMA Boundaries
- USFWS Waterfowl Production Areas
- Cellular Tower Locations
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Section lines
- Railroad

Source:
USGS, MnDNR, LMIC

0 6,000 Feet

LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

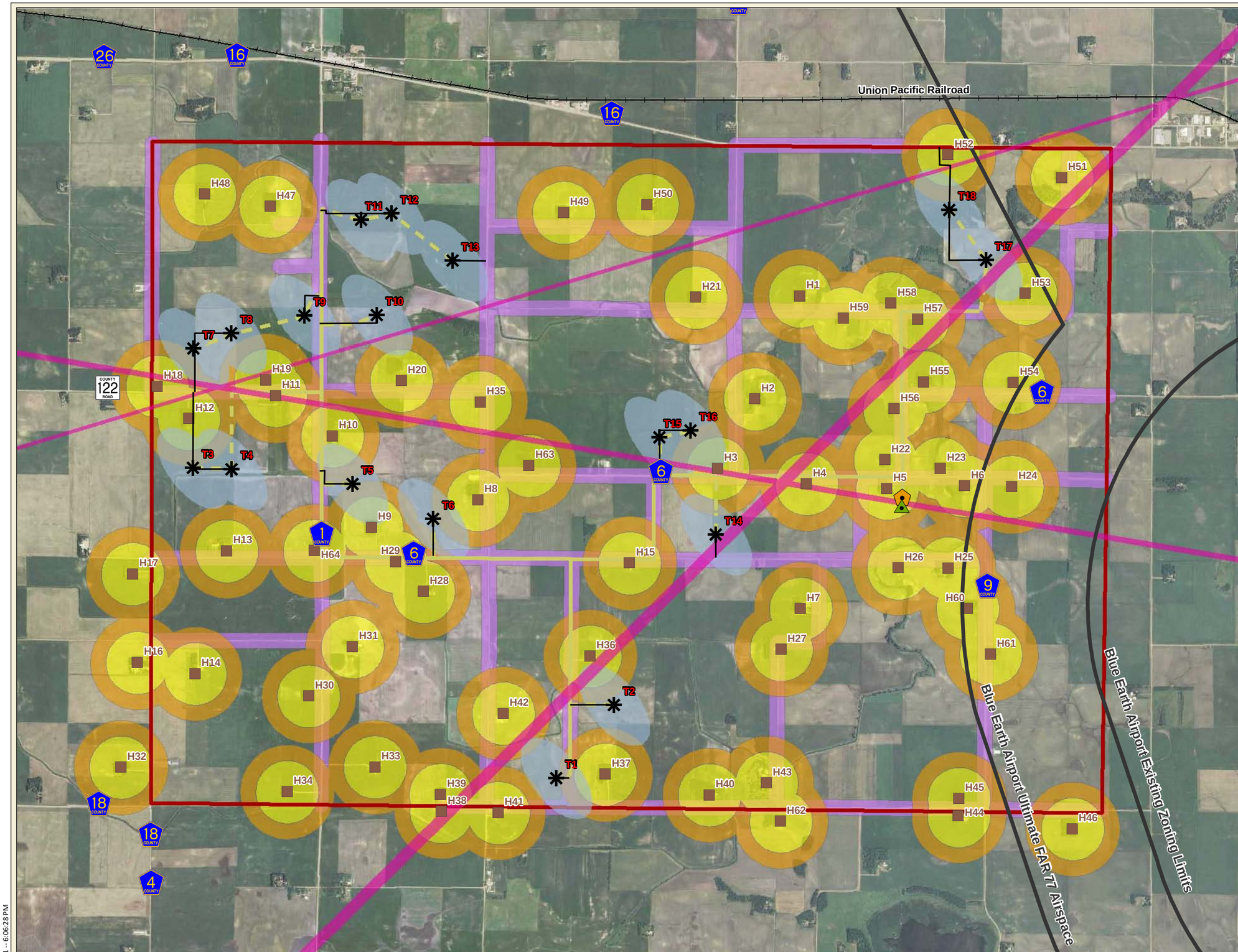
exergy DEVELOPMENT GROUP

BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32101673\ESRI\Maps\24-2MW WTG Option\101673 Public Land - Recreation - Rim Layout 11x17.mxd)
1/19/2011 -- 5:02:04 PM

Constraint Map
18 - 2 MW WTG Option
Map 4-A



Legend

- 250' Road Buffer
- Microwave Beam (WCFZ)
- 1000' Radius
- 1500' Radius
- Wind Access Buffer
- Housing Units
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Railroad

Source:
USGS, MnDNR, LMIC, 2008 FSA Photography

0 3,000 Feet

LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

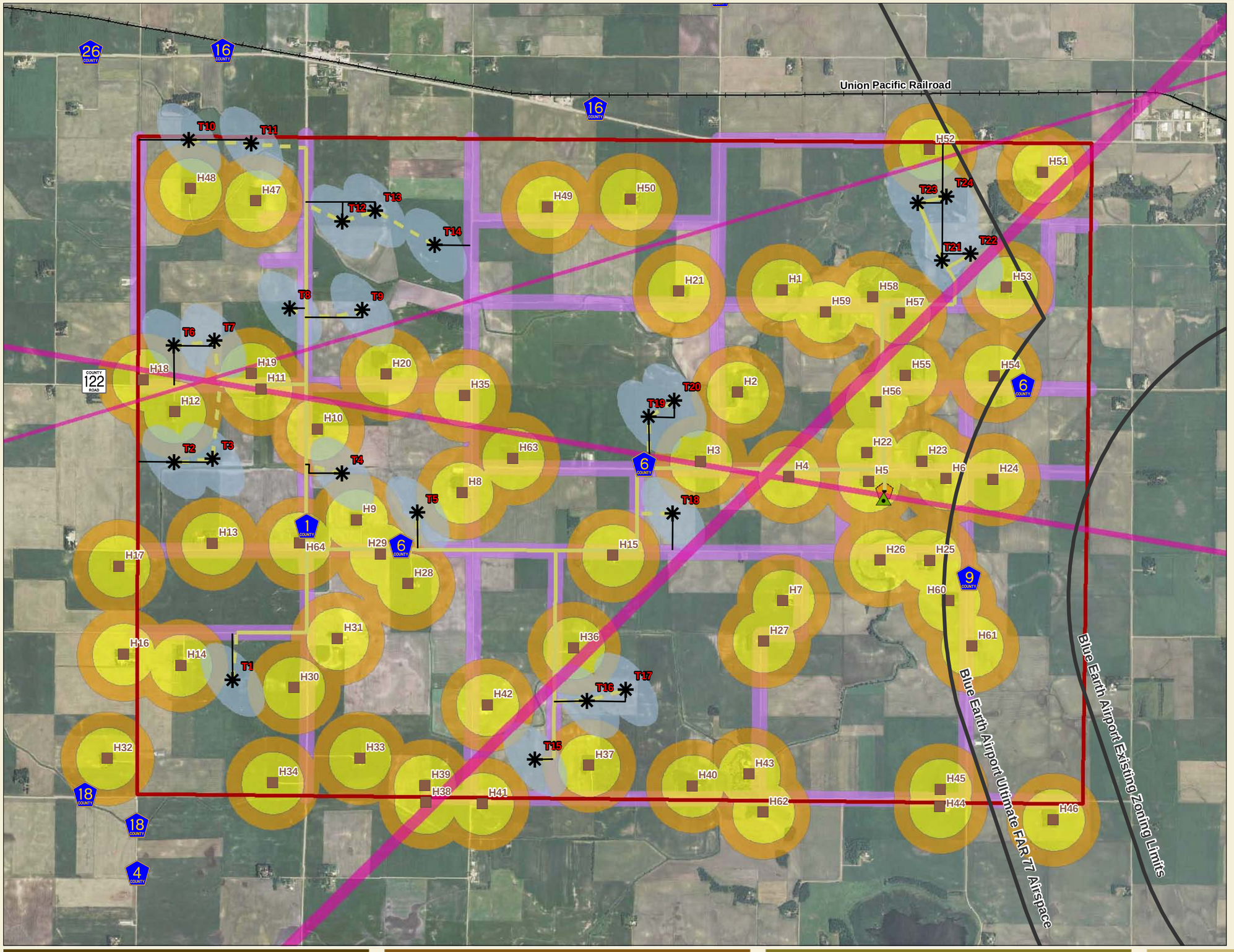
exergy DEVELOPMENT GROUP

BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32\101673\ESRI\Maps\18-2MW WTG Option\101673 Constraints Map 11x17.mxd)
1/19/2011 -- 6:06:28 PM

Constraint Map
24 - 1.5 MW WTG Option
Map 4-B



Legend

- 250' Road Buffer
- Microwave Beam (WCFZ)
- 1000' Radius
- 1500' Radius
- Wind Access Buffer
- Housing Units
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Location
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Railroad

Source:
USGS, MnDNR, LMIC, 2008 FSA Photography

0 3,000 Feet

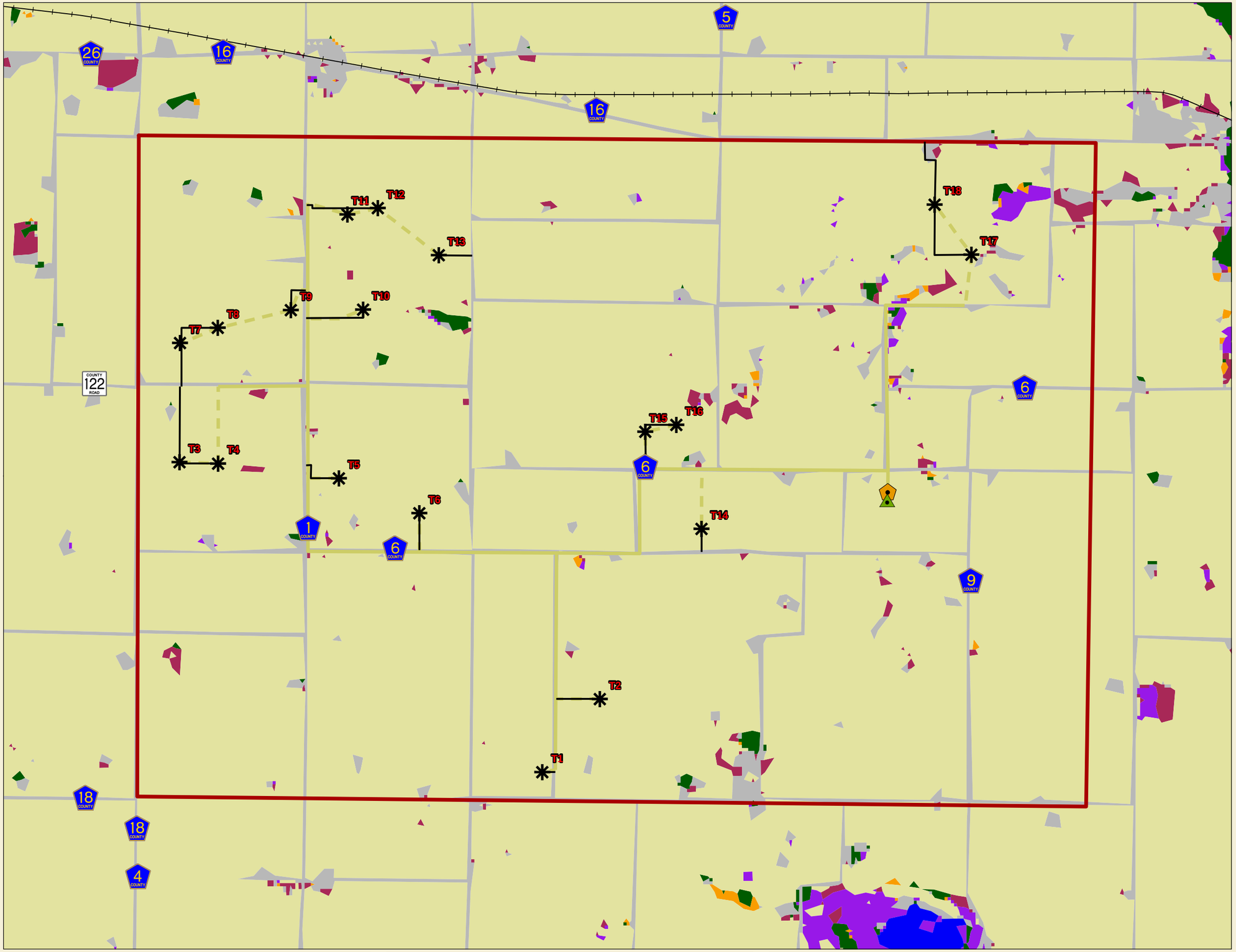
LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32\101673\ESRI\Maps\24-2MW WTG Option\101673 Constraints Map_11x17.mxd)
1/19/2011 -- 4:55:39 PM



Land Cover
18 - 2 MW WTG Option

Map 5-A

Legend

Land Cover-2000

- Urban/Developed
- Agriculture
- Grassland
- Forest
- Water
- Wetland
- Shrubland
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Railroad

Source:
U of M

0 3,000 Feet

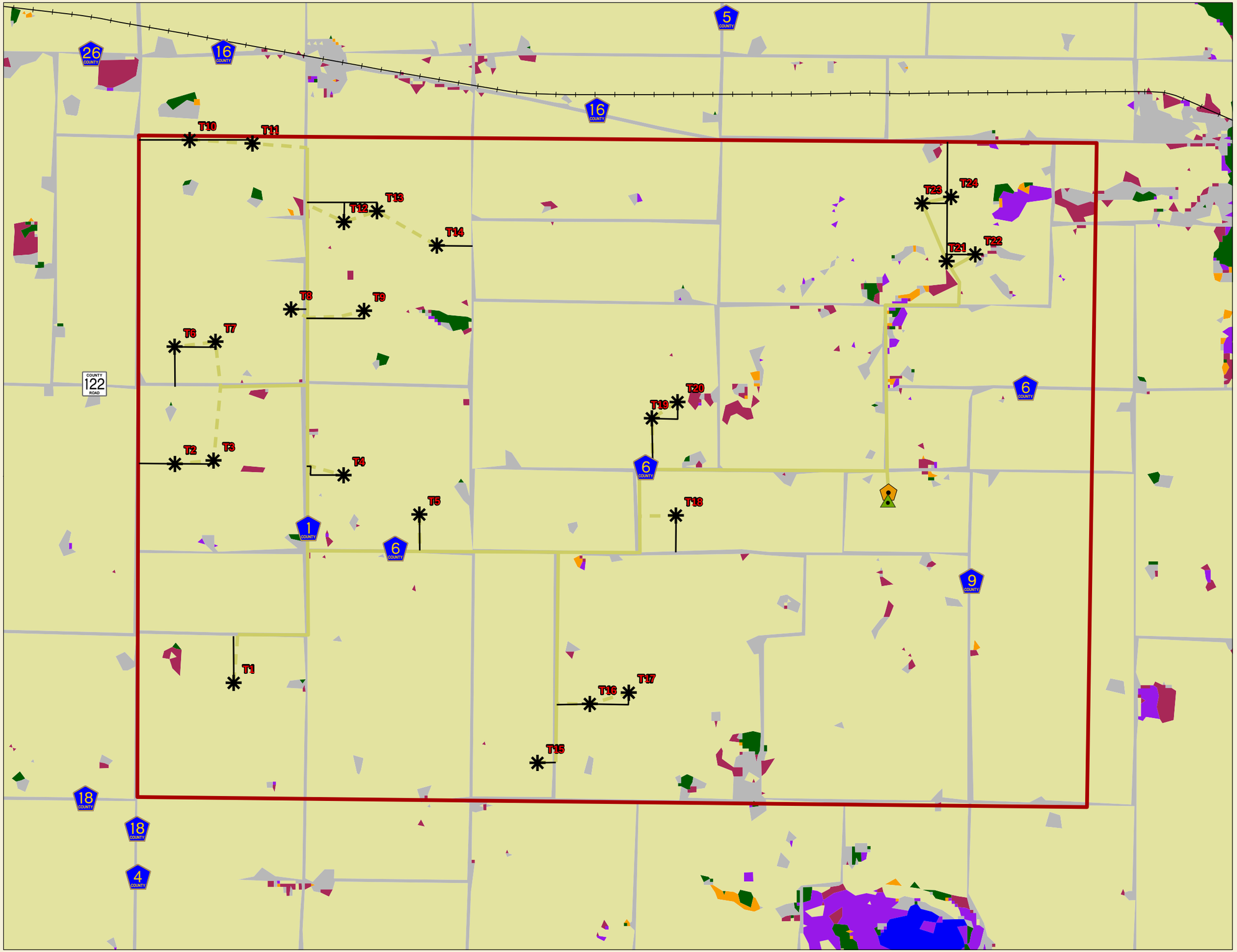
LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32101673\ESRI\Maps\18-2MW WTG Option\101673 Land Cover 11x17.mxd)
1/19/2011 -- 6:07:48 PM



Land Cover
24 - 1.5 MW WTG Option
Map 5-B

Legend

Land Cover-2000

- Urban/Developed
- Agriculture
- Grassland
- Forest
- Water
- Wetland
- Shrubland
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Railroad

Source:
U of M

0 3,000 Feet

LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

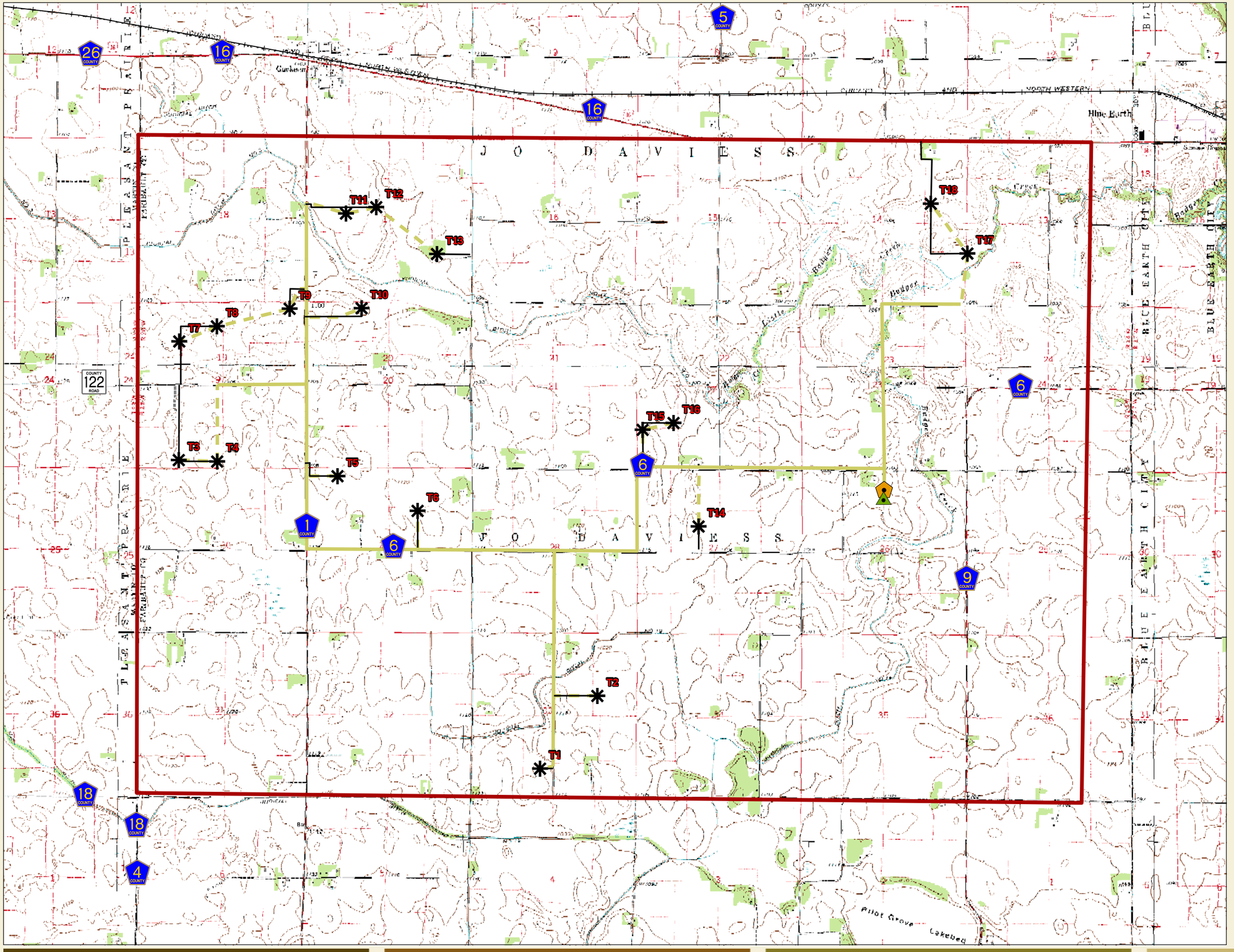
BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32101673\ESRI\Maps\24-2MW WTG Option\101673 Land Cover_11x17.mxd)
1/19/2011 -- 4:57:53 PM

Topography Map
18 - 2 MW WTG Option

Map 6-A



Legend

- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Railroad

Source:
USGS, MnDNR, LMIC

0 3,000 Feet

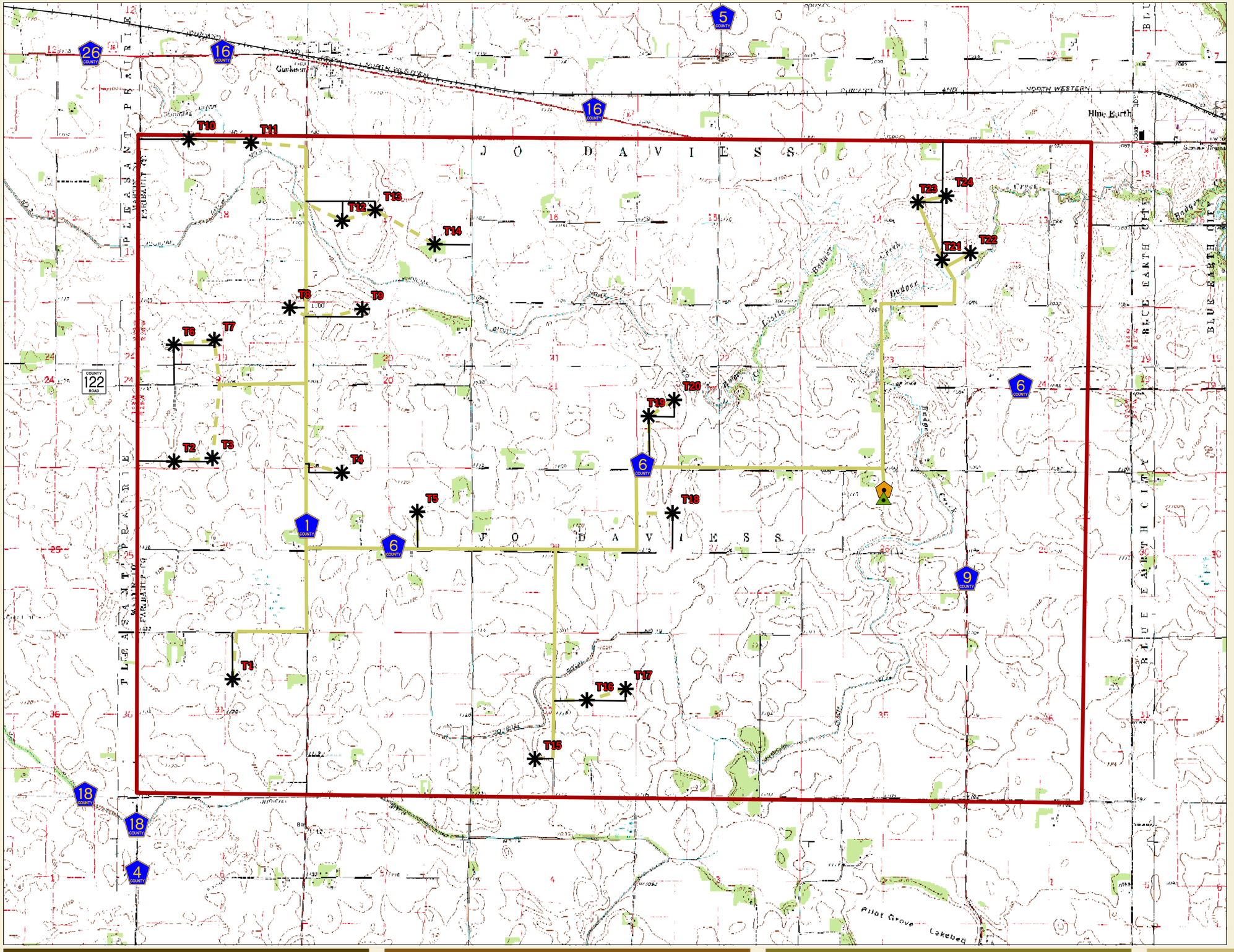
LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32101673\ESRI\Maps\18-2MW WTG Option\101673 Topography 11x17.mxd)
1/19/2011 -- 6:18:28 PM

Topography Map
24 - 1.5 MW WTG Option

Map 6-B



Legend

- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Railroad

Source:
USGS, MnDNR, LMIC

0 3,000 Feet

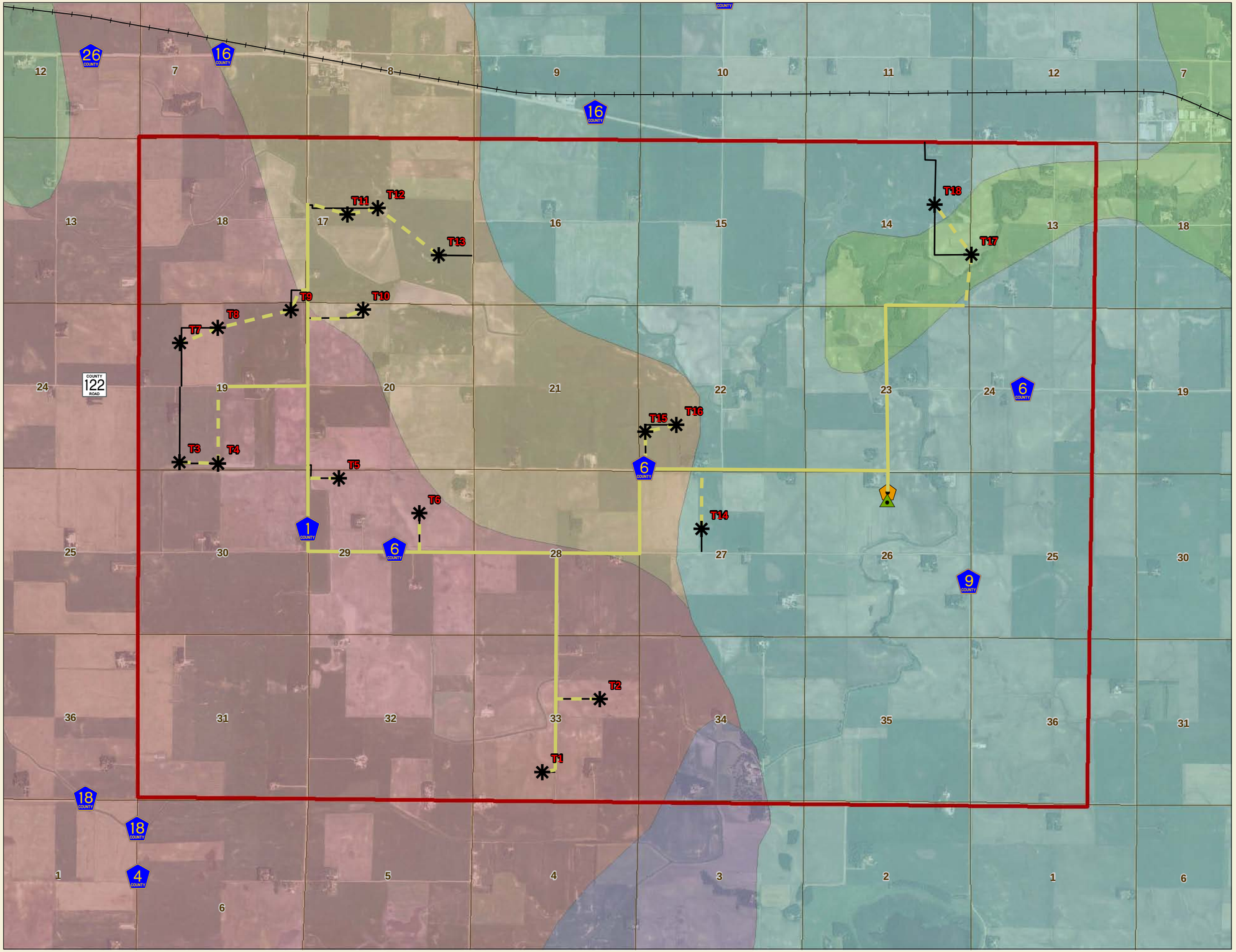
LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32101673\ESRI\Maps\24-2MW WTG Option\101673 Topography_11x17.mxd)
1/19/2011 -- 5:04:53 PM



Soils Map
18 - 2 MW WTG Option

Map 7-A

Legend

Soils (Statsgo Soil Associations)

- Nicollet-Clarion-Canisteo (s1751)
- Shorewood-Coland-Clarion (s3715)
- Truman-Spicer-Kingston-Coland (s3579)
- Waldorf-Lura-Guckeen-Collinwood (s3515)
- Webster-Nicollet-Clarion-Canisteo (s1750)
- Webster-Nicollet-Glencoe-Clarion-Canisteo (s3567)
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Section lines
- Railroad

Source:
NRCS, LMIC, 2008 FSA Photography

0 3,000 Feet

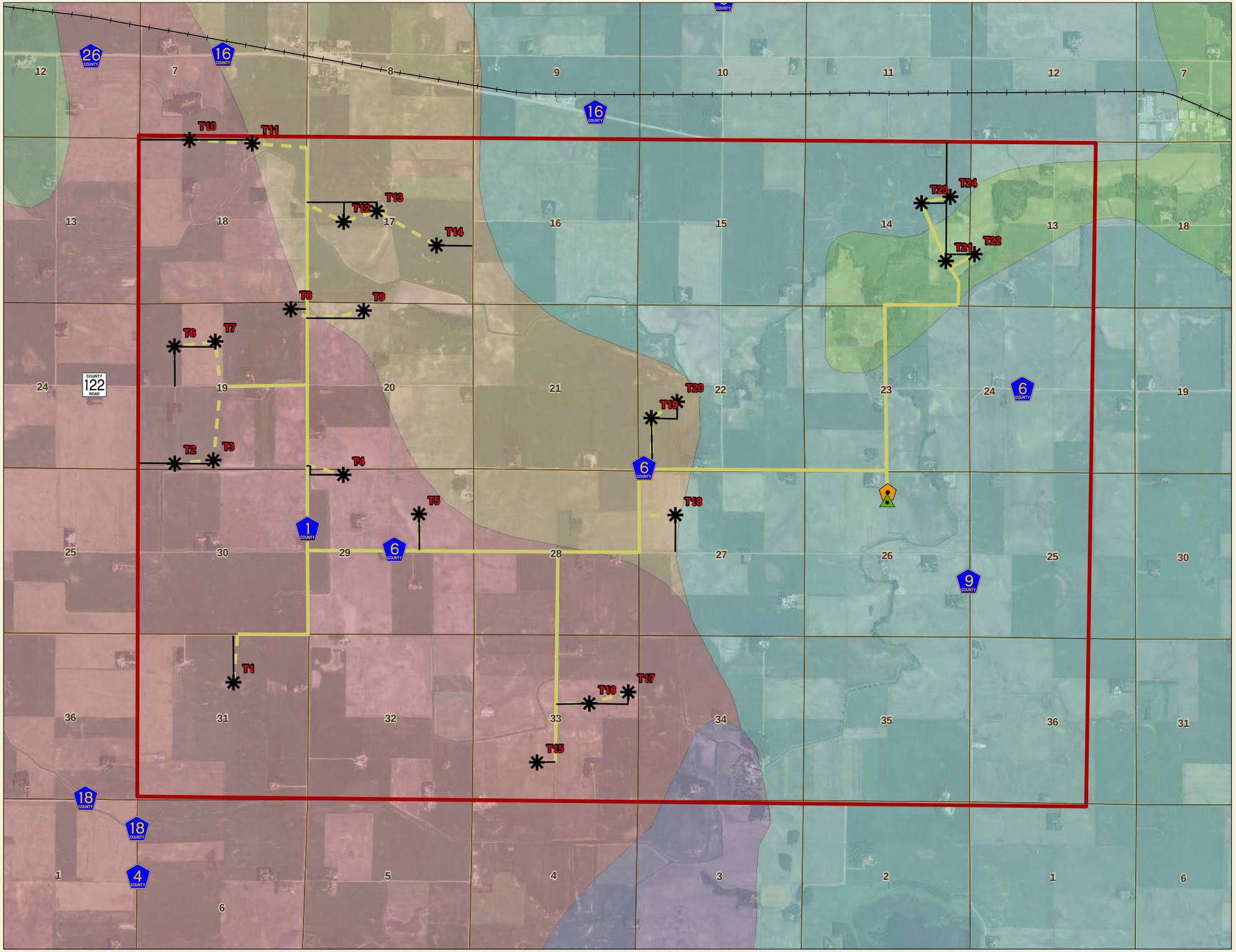
LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRI\VM32\101673\ESRI\Maps\18-2MW WTG Option\101673 Soils Map 11x17.mxd)
1/19/2011 -- 6:16:26 PM



Soils Map
24 - 1.5 MW WTG Option
Map 7-B

Legend

Soils (Statsgo Soil Associations)

- Nicollet-Clarion-Canisteo (s1751)
- Shorewood-Coland-Clarion (s3715)
- Truman-Spicer-Kingston-Coland (s3579)
- Waldorf-Lura-Guckeen-Collinwood (s3515)
- Webster-Nicollet-Clarion-Canisteo (s1750)
- Webster-Nicollet-Glencoe-Clarion-Canisteo (s3567)
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Section lines
- Railroad

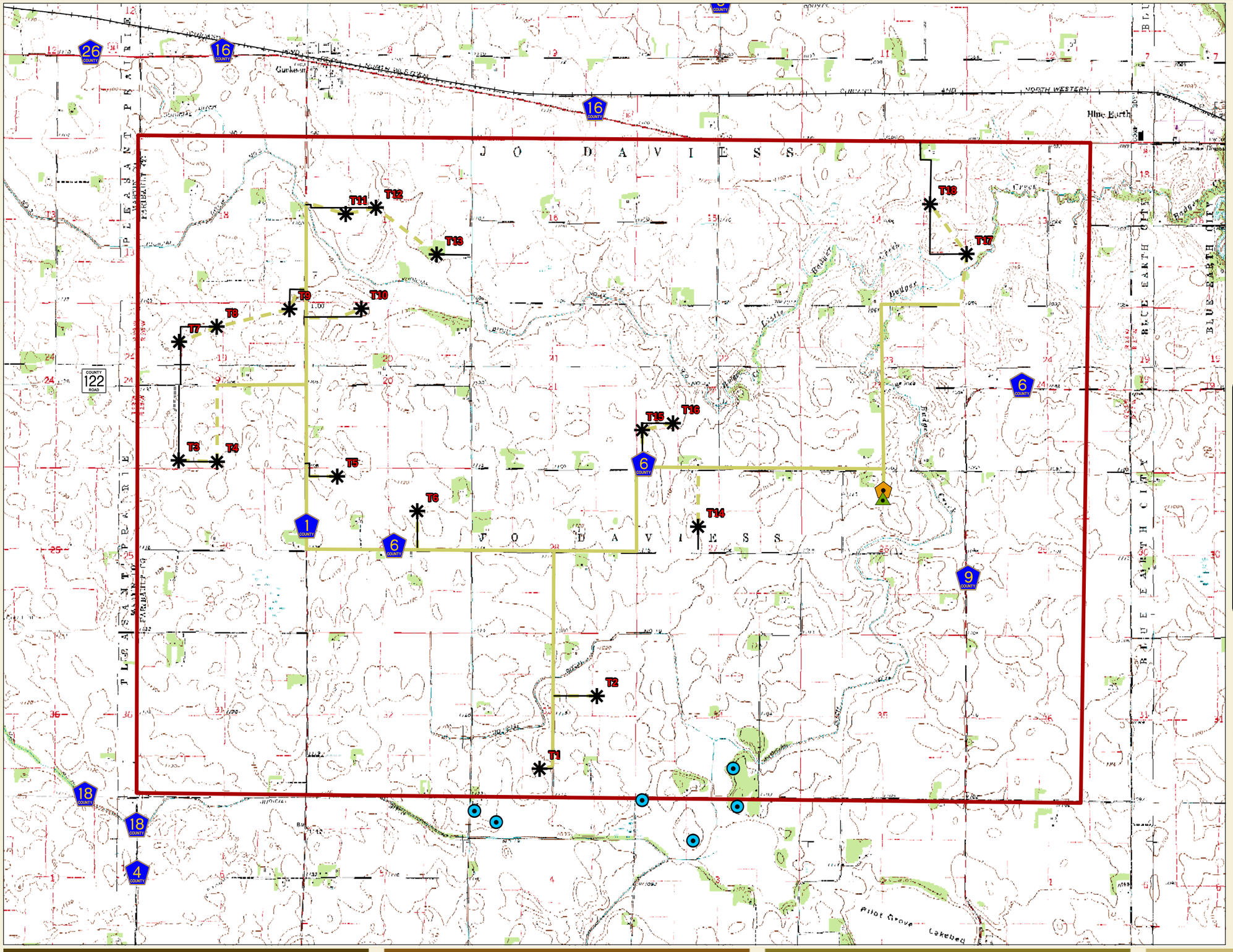
Source:
NRCS, LMIC, 2008 FSA Photography

0 3,000 Feet

LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32101673\ESRI\Maps\24-2MW WTG Option\101673 Soils Map_11x17.mxd)
1/19/2011 -- 5:03:36 PM



Cultural Study Area/ Historic Probability Map 18 - 2 MW WTG Option

Map 8-A

Legend

- Archaeological Sites
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Railroad

Source:
LMIC, USGS, Minnesota State Historic Preservation Office

0 3,000 Feet

LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

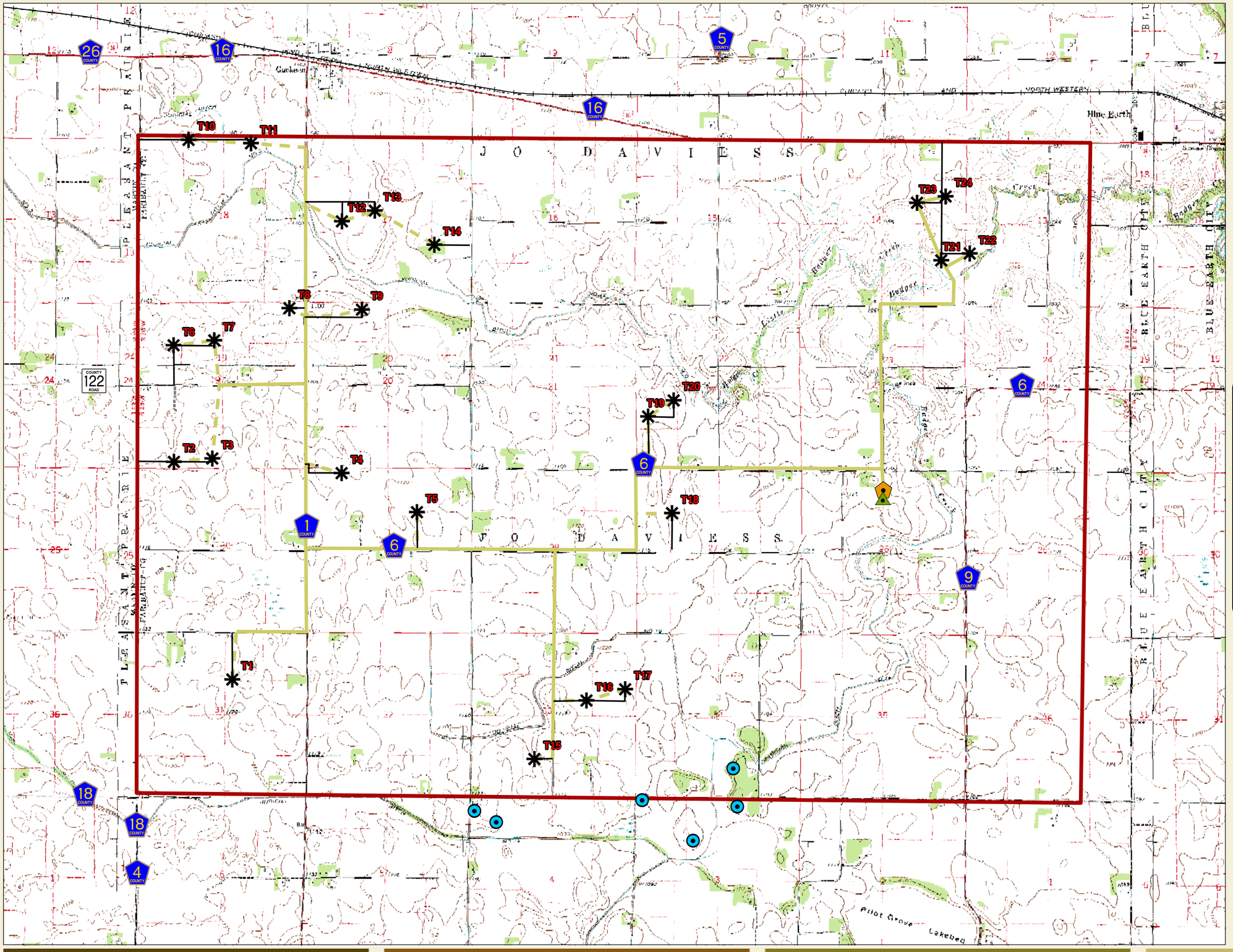
BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32101673\ESRI\Maps\18-2MW WTG Option\101673 Cultural Study Area_Historic Probability Map 11x17.mxd)
1/19/2011 -- 6:07:11 PM

Cultural Study Area/ Historic Probability Map 24 - 1.5 MW WTG Option

Map 8-B



Legend

- Archaeological Sites
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Railroad

Source:
LMIC, USGS, Minnesota State Historic Preservation Office

0 3,000 Feet

LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

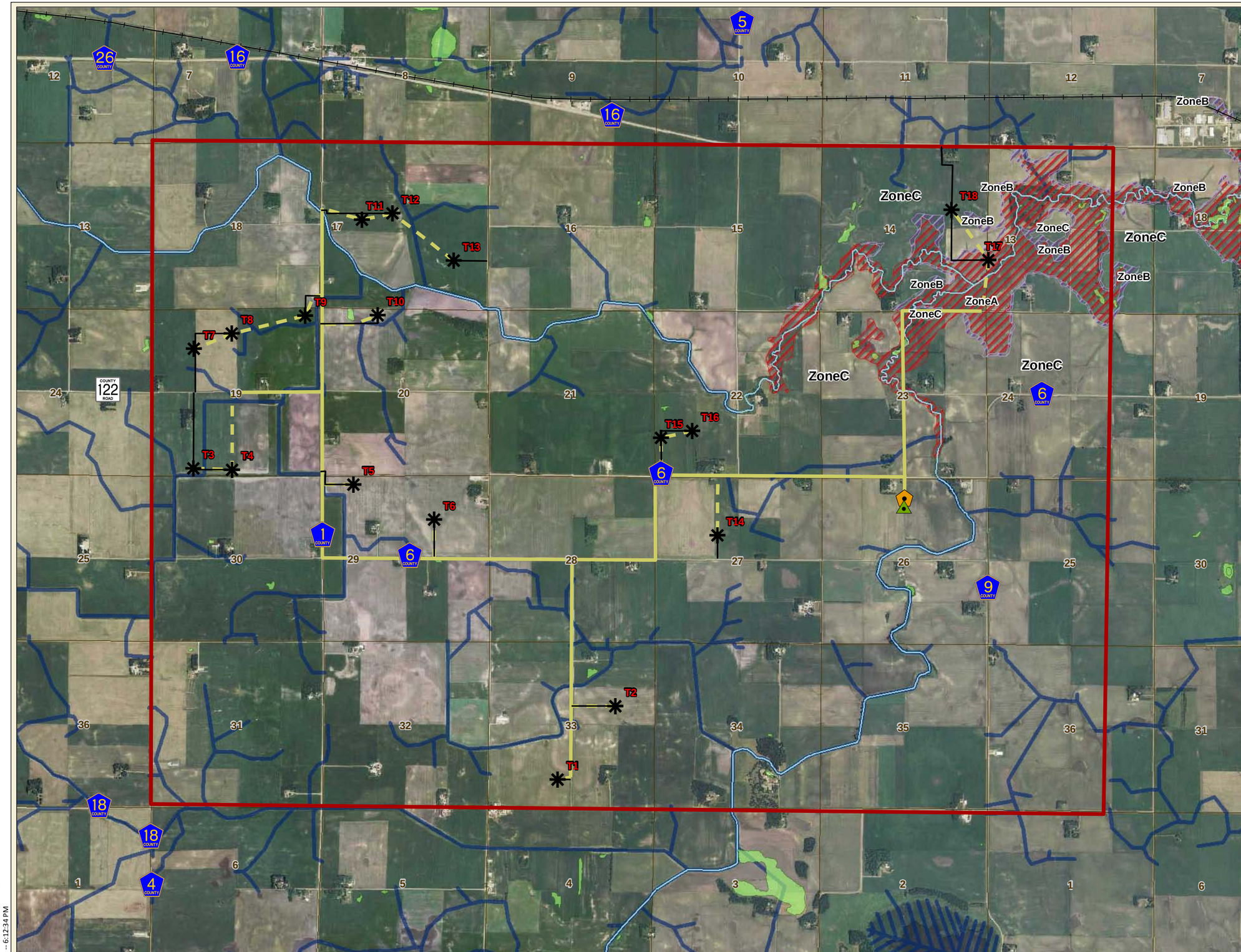
BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32101673\ESRI\Maps\24-2MW WTG Option\101673 Cultural Study Area_Historic Probability Map_11x17.mxd)
1/19/2011 -- 4:56:56 PM

FEMA Floodplain, NWI and Protected Waters
18 - 2 MW WTG Option

Map 9-A



Legend

- National Wetlands Inventory
- Protected Waters-Basins
- Protected Waters-Streams
- Public Drainage Ditch System

FEMA Flood Plain

- ZoneA
- ZoneB
- ZoneC
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Section lines
- Railroad

Source:
MnDNR, LMIC, 2008 FSA Photography, FEMA

0 3,000 Feet

LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

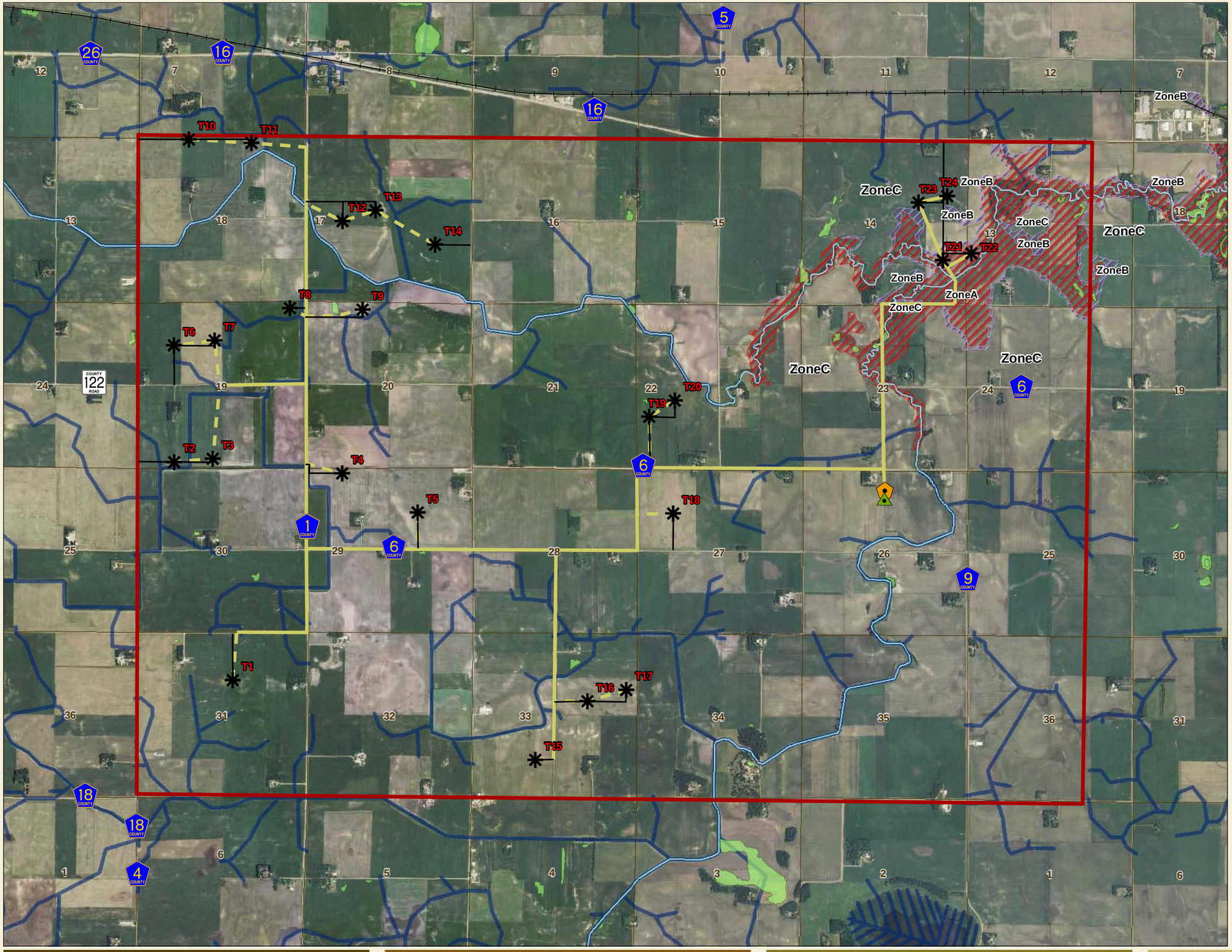
BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32101673\ESRI\Maps\18-2MW WTG Option\101673 NWI & PWI 11x17.mxd)
1/19/2011 -- 6:12:34 PM

FEMA Floodplain, NWI and Protected Waters
24 - 1.5 MW WTG Option

Map 9-B



Legend

- National Wetlands Inventory
- Protected Waters-Basins
- Protected Waters-Streams
- Public Drainage Ditch System

FEMA Flood Plain

- ZoneA
- ZoneB
- ZoneC
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Section lines
- Railroad

Source:
MnDNR, LMIC, 2008 FSA Photography, FEMA

0 3,000 Feet

LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

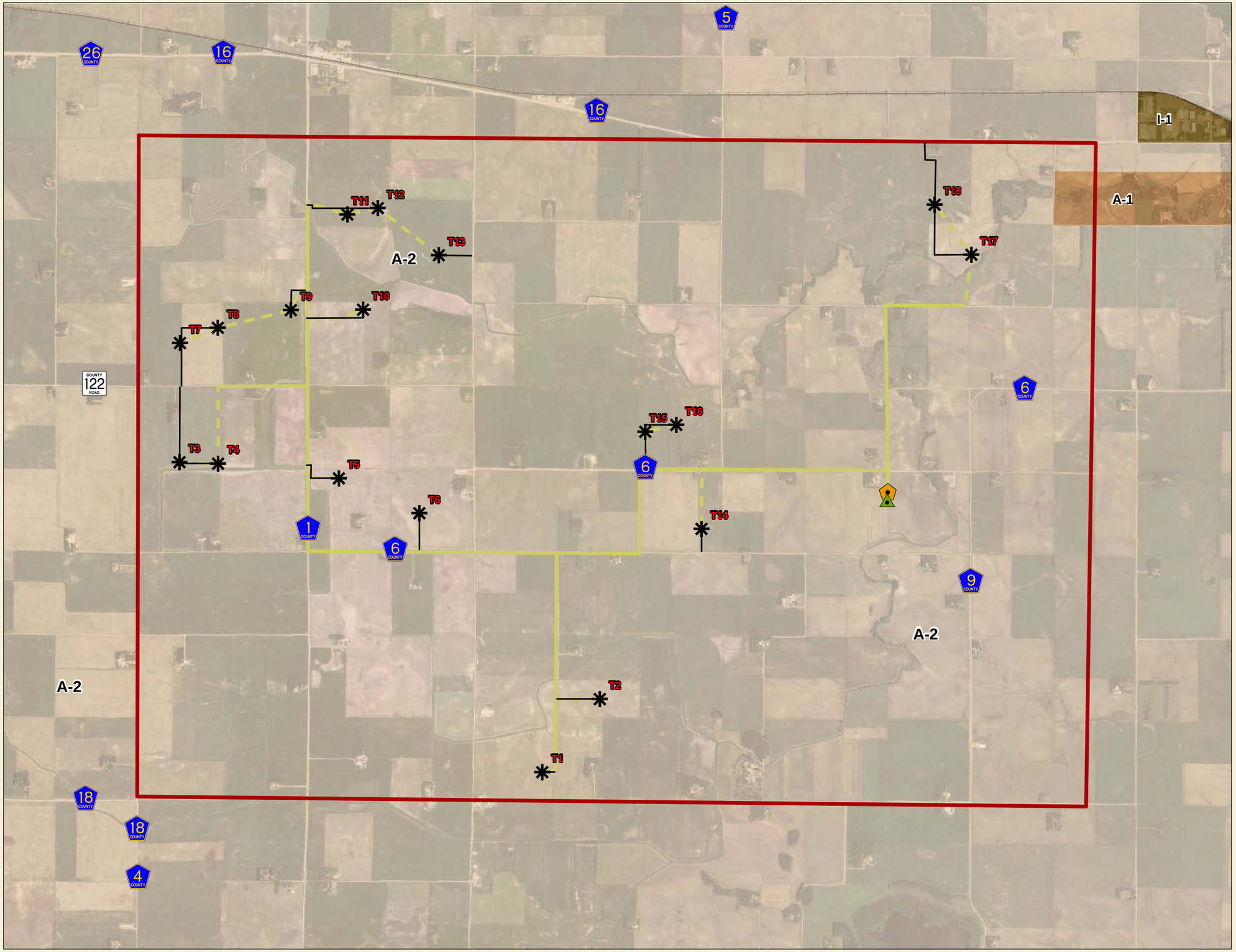
BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32101673\ESRI\Maps\24-2MW WTG Option\101673 NWI & PWI_11x17.mxd)
1/19/2011 -- 5:00:15 PM

Zoning Map
18 - 2 MW WTG Option

Map 10-A



Legend

Zoning

- A-1 = Shoreland Agriculture District
- A-2 = General Agriculture District
- I-1 = Light Industry District
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Railroad

Source:
MnDNR, LMIC, 2008 FSA Photography

0 3,000 Feet

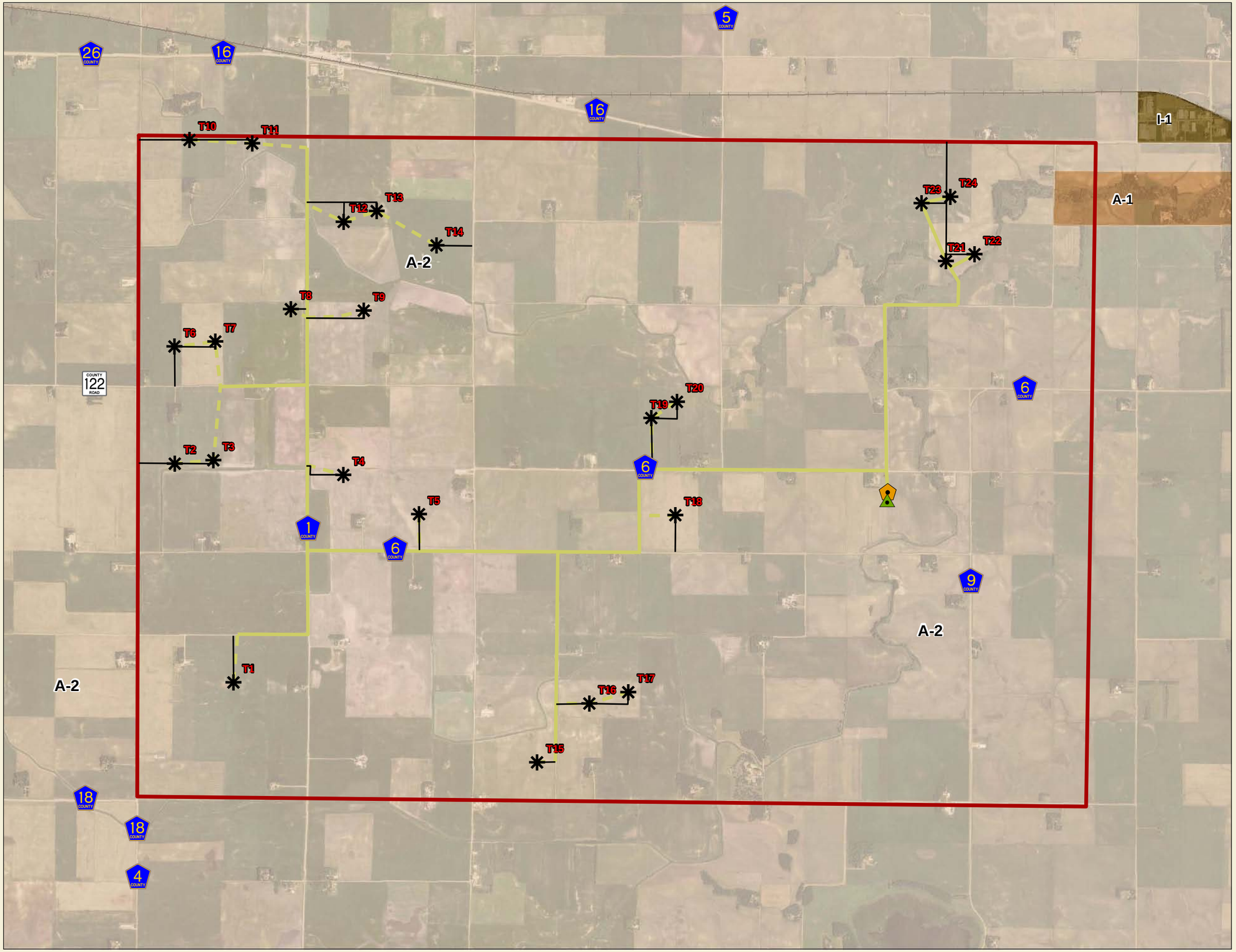
LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRJ\V\M3210167 3\ESRI\Maps\18-2MW WTG Option\101673 Zoning Map 11x17.mxd)
1/19/2011 -- 6:19:04 PM



Zoning Map
24 - 1.5 MW WTG Option

Map 10-B

Legend

Zoning

- A-1 = Shoreland Agriculture District
- A-2 = General Agriculture District
- I-1 = Light Industry District
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Railroad

Source:
MnDNR, LMIC, 2008 FSA Photography

0 3,000 Feet

LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

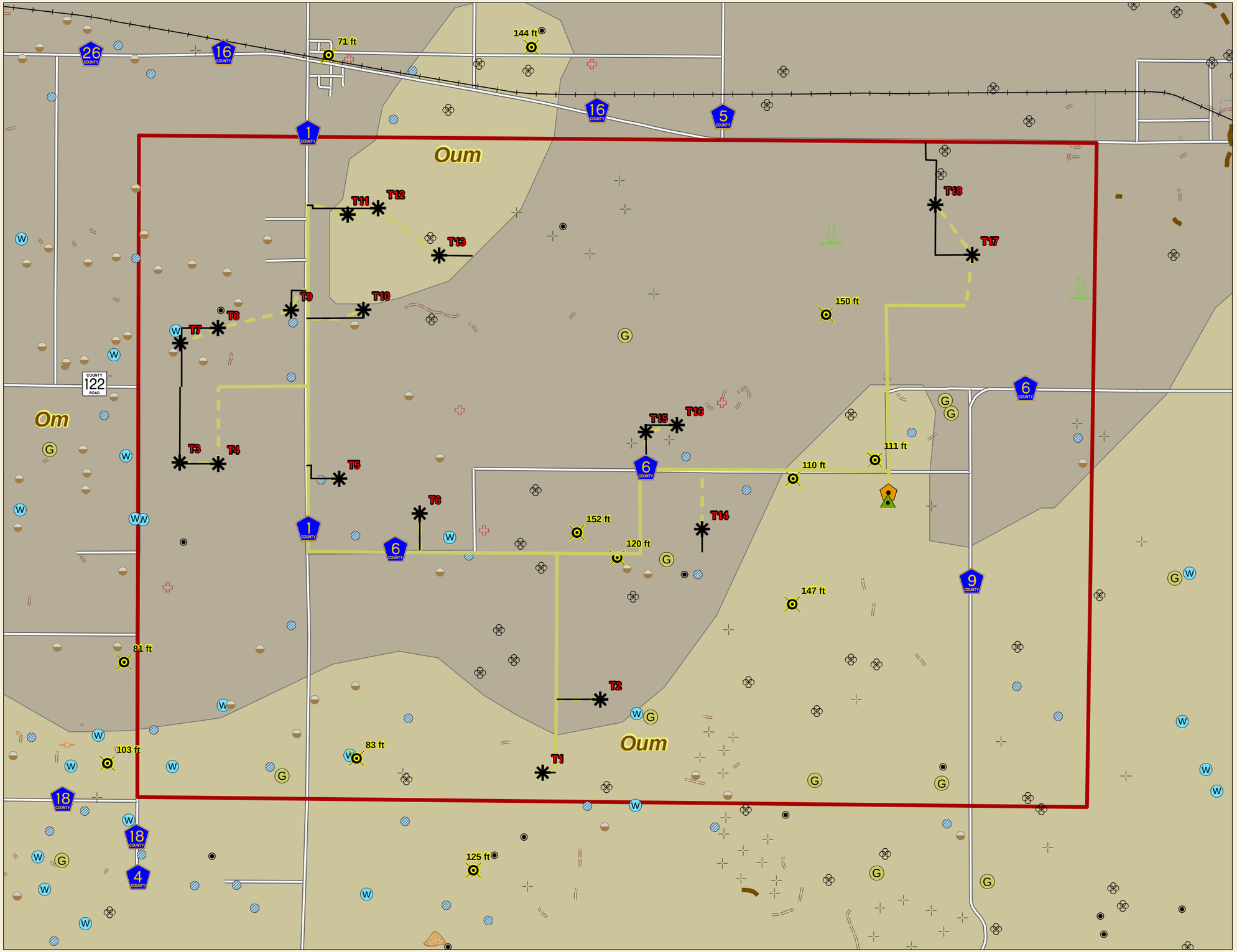
BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRJ\V\M32101673\ESRI\Maps\24-2MW WTG Option\101673 Zoning Map_11x17.mxd)
1/19/2011 -- 5:05:27 PM

Site Geology and Depth to Bedrock
18 - 2 MW WTG Option

Map 11-A



Legend

- Preliminary SCADA building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Municipal Boundaries

Geology Formations

- Cretaceous rocks; undivided
- Ordovician; Prairie Du Chien
- Ordovician;Galena-Maquoketa Fm
- Ordovician;StPeter-Platteville
- Upper Cambrian;Mt.Simon-Jordan
- Depth to Bedrock (From CWI)

SSURGO Surface Features

- High Lime Spot
- Colluvial Spot
- Distrubed Area
- Gravel Pit
- Gravelly Spot
- Marsh
- Small Area of Organic Soil
- Sandy Spot
- Small area of Argiaquoll or Argialboll
- Better Drained Soils Within Wetter Soil
- Wet Spot
- Escarpment, Other Than Bedrock
- Levee
- Short Steep Slope

Source:
NRCS SSURGO Data
Minnesota Geologic Survey - Depth to Bedrock acquired from MGS County Well Index (CWI)

0 3,000 Feet

LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

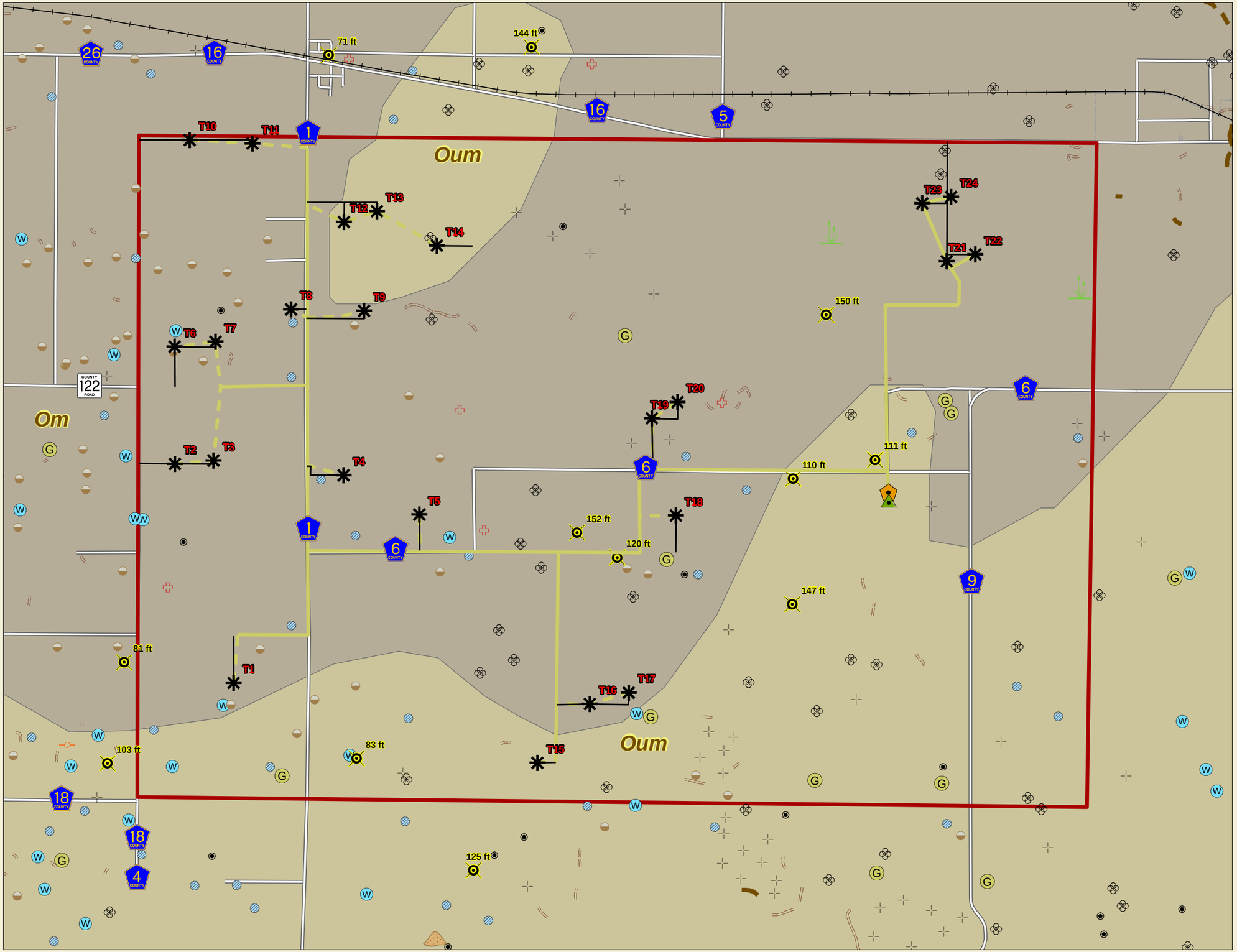
BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32101673\ESRI\Maps\18-2MW WTG Option\101673 Bedrock Depth Site Geology_11x17.mxd)
1/19/2011 -- 6:05:46 PM

Site Geology and Depth to Bedrock
24 - 1.5 MW WTG Option

Map 11-B



Legend

- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Location
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Municipal Boundaries

Geology Formations

- Cretaceous rocks; undivided
- Ordovician; Prairie Du Chien
- Ordovician;Galena-Maquoketa Fm
- Ordovician;StPeter-Platteville
- Upper Cambrian;Mt.Simon-Jordan
- Depth to Bedrock (From CWI)

SSURGO Surface Features

- High Lime Spot
- Colluvial Spot
- Distrubed Area
- Gravel Pit
- Gravelly Spot
- Marsh
- Small Area of Organic Soil
- Sandy Spot
- Small area of Argiaquoll or Argialboll
- Better Drained Soils Within Wetter Soil
- Wet Spot
- Escarpment, Other Than Bedrock
- Levee
- Short Steep Slope

Source:
NRCS SSURGO Data
Minnesota Geologic Survey - Depth to Bedrock acquired from MGS County Well Index (CWI)

0 3,000 Feet

LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

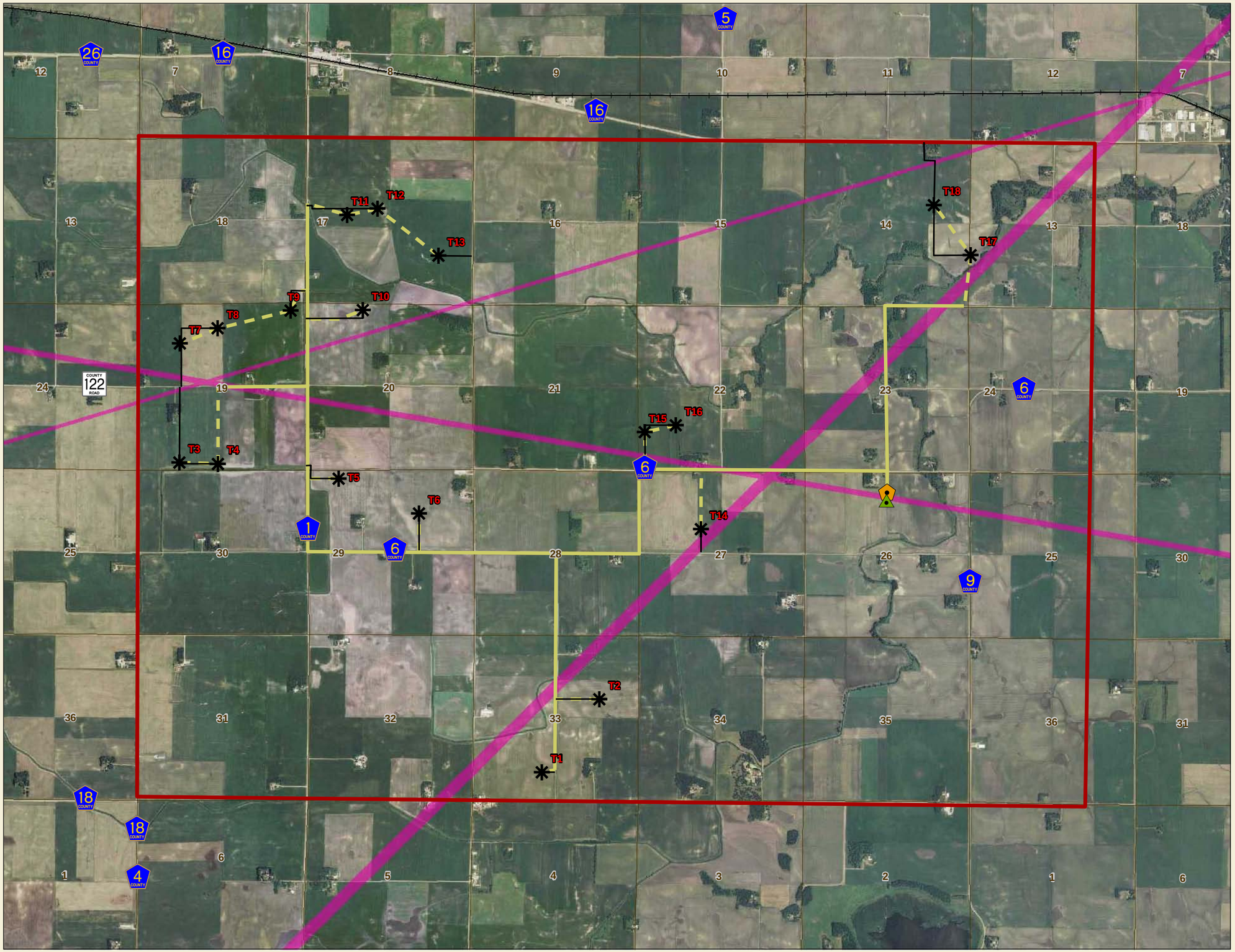
January, 2011

BOLTON & MENK
Engineers & Surveyors
www.bolton-menk.com

Map Document: (\\arcserver1\gis\PRIV\M32\101673\ESRI\Maps\24-2MW WTG Option\101673 Bedrock Depth Site Geology_11x17.mxd)
1/19/2011 -- 4:54:39 PM

Microwave Beam Path Map
18 - 2 MW WTG Option

Map 12-A



Legend

- Microwave Beam (WCFZ)
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Section lines
- Railroad

Source:
MnDNR, LMIC, 2008 FSA Photography

0 3,000 Feet

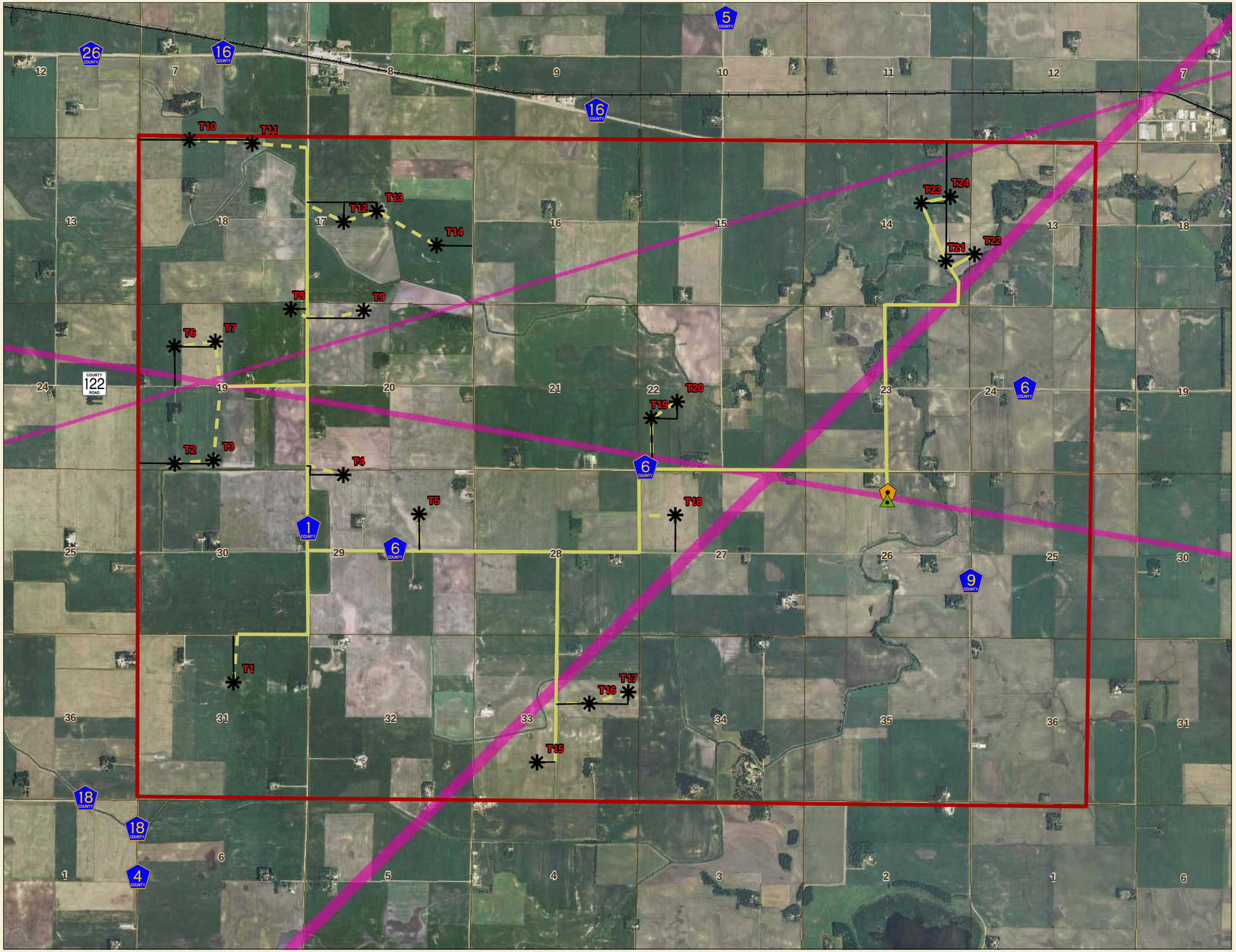
LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32101673\ESRI\Maps\18-2MW WTG Option\101673 Microwaves Beam Path Map_11x17.mxd)
1/19/2011 -- 6:11:42 PM



Microwave Beam Path Map
24 - 1.5 MW WTG Option

Map 12-B

Legend

- Microwave Beam (WCFZ)
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Section lines
- Railroad

Source:
MnDNR, LMIC, 2008 FSA Photography

0 3,000 Feet

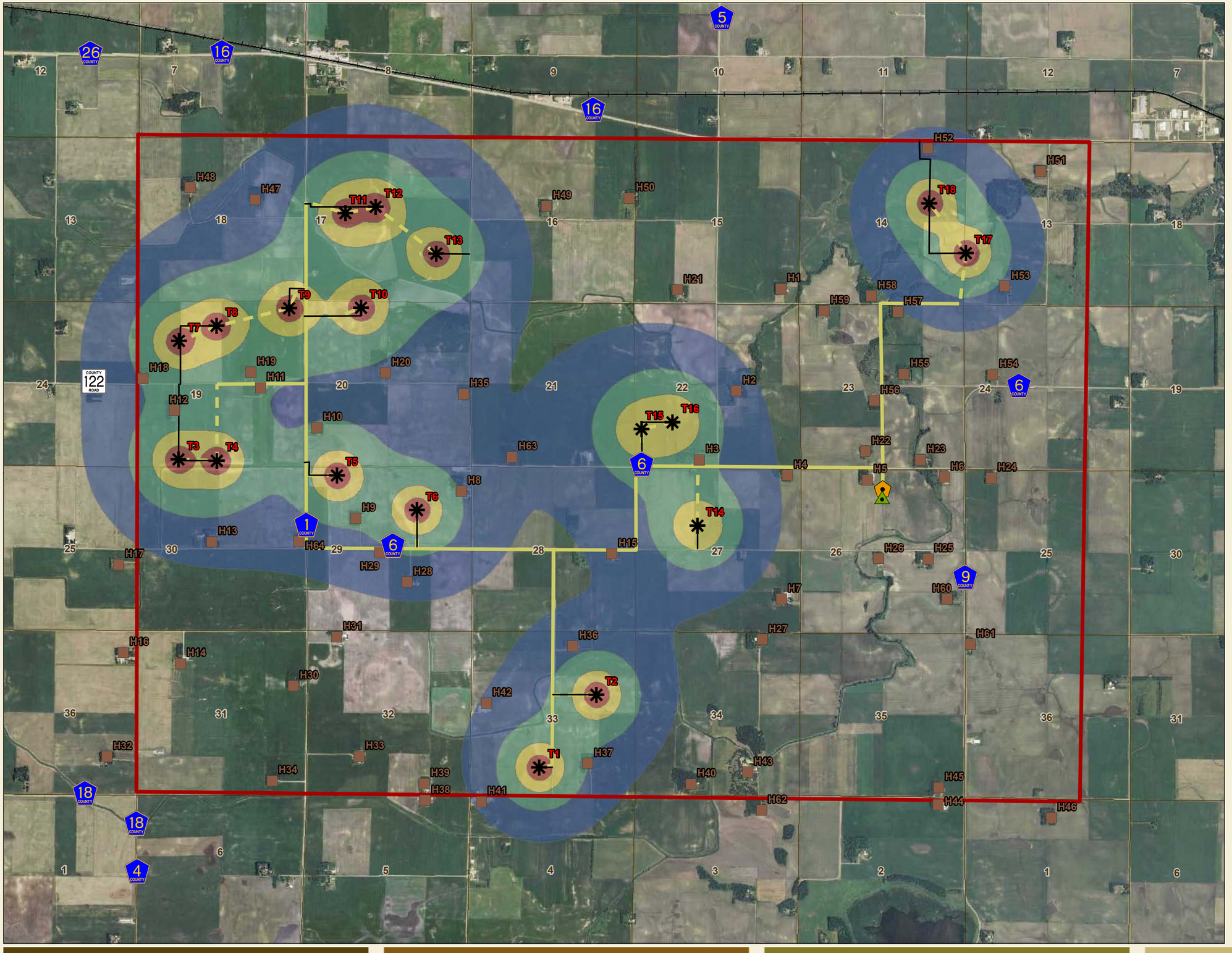
LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32\101673\ESRI\Maps\24-2MW WTG Option\101673 Microwaves Beam Path Map_11x17.mxd)
1/19/2011 -- 4:59:29 PM



Noise Level Map
18 - 2 MW WTG Option

Map 13-A

Legend

Noise Levels (dB(A)) – L50 Value

- 35
- 40
- 45
- 50
- 55
- Housing Units
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Section lines
- Railroad

Source:
MnDNR, LMIC, 2008 FSA Photography

0 3,000 Feet

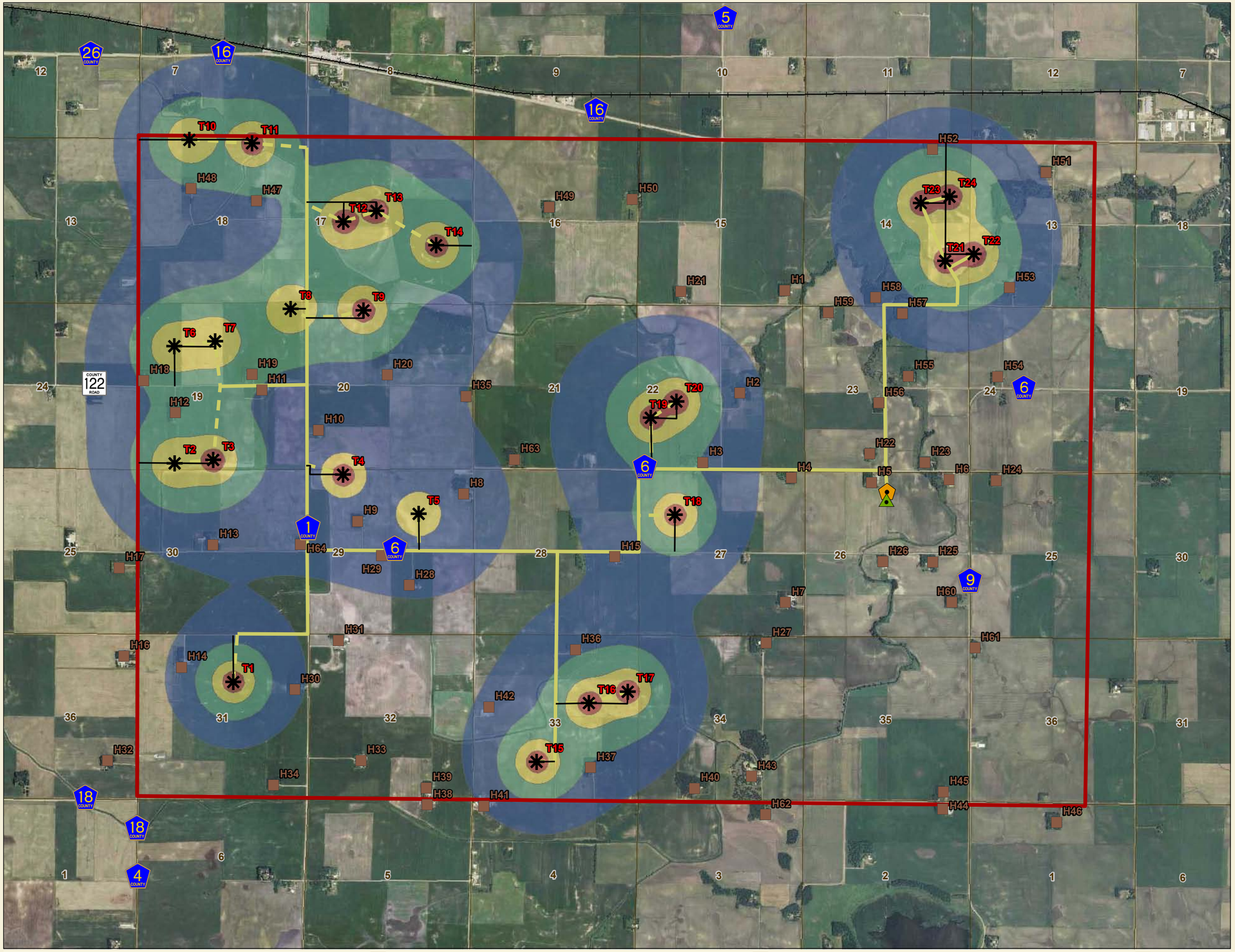
LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32101673\ESRI\Maps\18-2MW WTG Option\101673 Sound & Noise Map_11x17.mxd)
1/19/2011 -- 6:17:41 PM



Noise Level Map
24 - 1.5 MW WTG Option

Map 13-B

Legend

Noise Levels (dB(A)) – L50 Value

- 35
- 40
- 45
- 50
- 55
- Housing Units
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Section lines
- Railroad

Source:
MnDNR, LMIC, 2008 FSA Photography

0 3,000 Feet

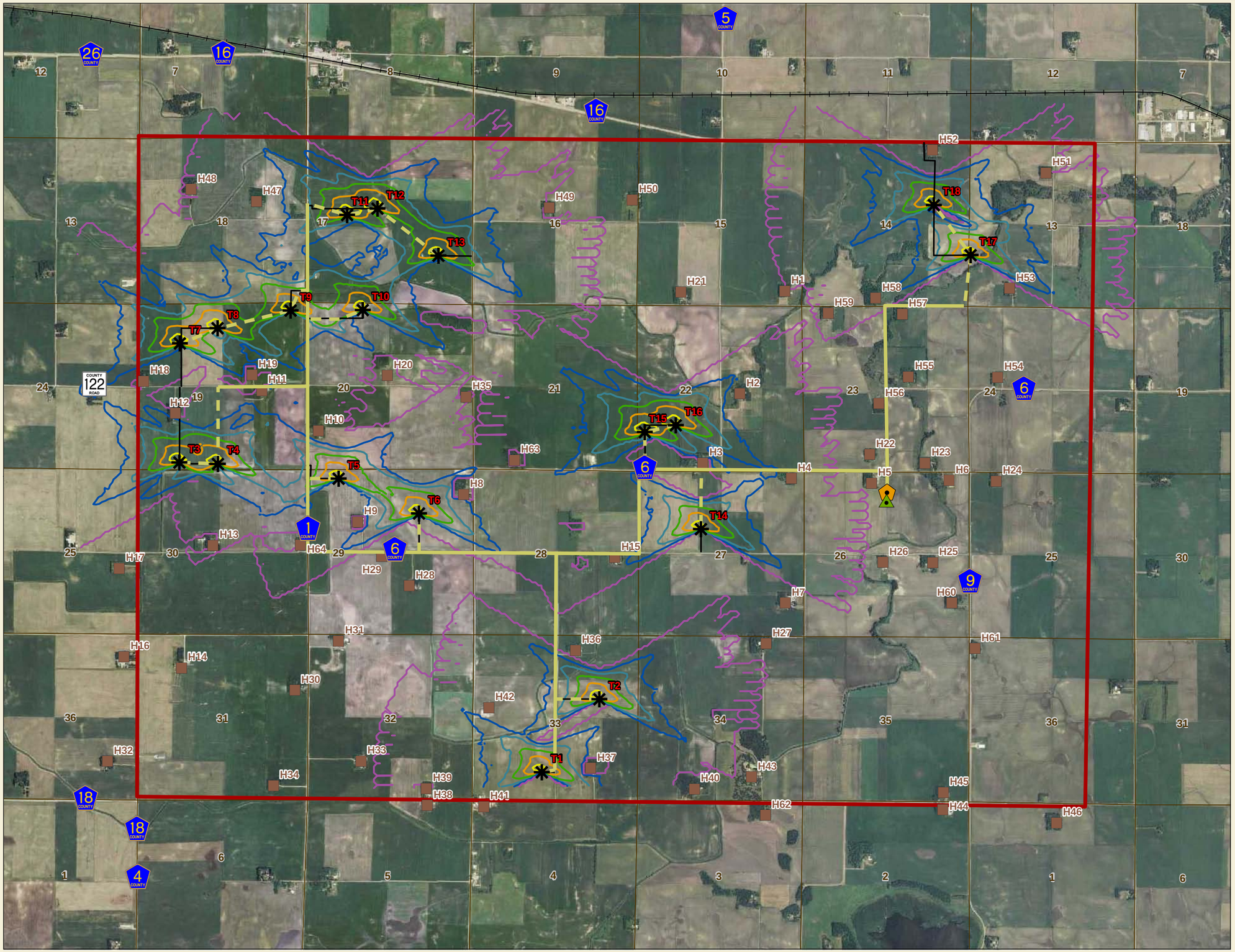
LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32101673\ESRI\Maps\24-2MW WTG Option\101673 Sound & Noise Map_11x17.mxd)
1/19/2011 -- 5:04:11 PM



Shadow Flicker Map
18 - 2 MW WTG Option

Map 14-A

Legend

Shadow Flicker (hrs/yr)

- 200
- 100
- 50
- 25
- 10
- 0.015
- Housing Units
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Section lines
- Railroad

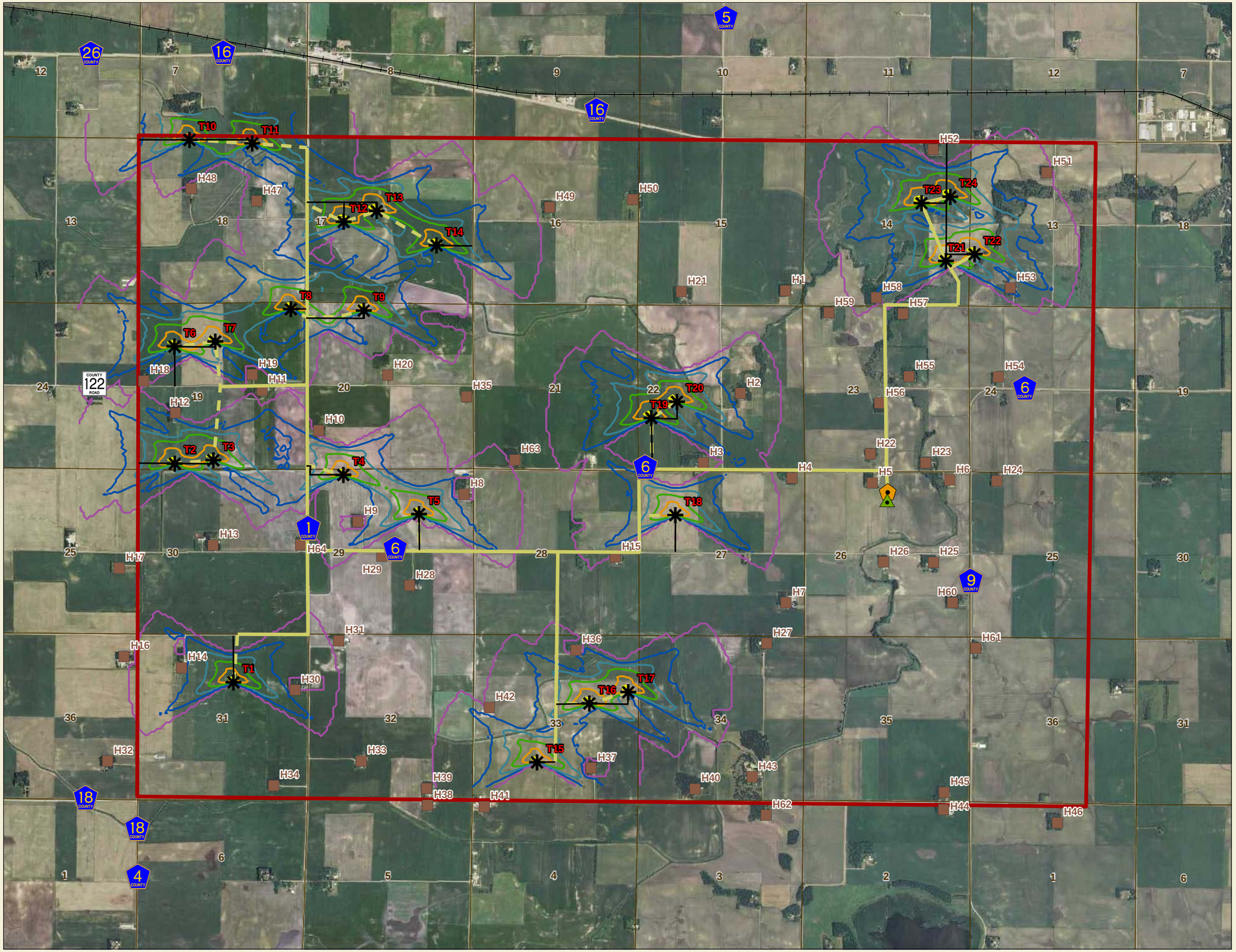
Source:
MnDNR, LMIC, 2008 FSA Photography

0 3,000 Feet

LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

January, 2011

Map Document: (\\arcserver1\gis\PRIV\M32101673\ESRI\Maps\18-2MW WTG Option\101673 Shadow Flicker Map_11x17.mxd)
1/19/2011 -- 6:15:43 PM



Shadow Flicker Map
24 - 1.5 MW WTG Option

Map 14-B

Legend

Shadow Flicker (hrs/yr)

- 200
- 100
- 50
- 25
- 10
- 0.015
- Housing Units
- Preliminary SCADA Building
- Preliminary Substation Site
- Preliminary WTG Tower Locations
- Overhead WTG Collector Line
- Underground WTG Collector Line
- WTG Access Roads
- Project Boundary
- Section lines
- Railroad

Source:
MnDNR, LMIC, 2008 FSA Photography

0 3,000 Feet

LARGE WIND ENERGY CONVERSION SYSTEM
Big Blue Wind Farm
Faribault County, Mn

exergy DEVELOPMENT GROUP

BOLTON & MENK Engineers & Surveyors www.bolton-menk.com

January, 2011

Map Document: (\\arcserver1\gis\PRIV\W32101673\ESRI\Maps\24-2MW WTG Option\101673 Shadow Flicker Map_11x17.mxd)
1/19/2011 -- 5:02:54 PM