

Dane County Conditional Use Permit Application

Application Date	C.U.P Number
12/13/2021	DCPCUP-2021-02553
Public Hearing Date	
02/22/2022	

OWNER INFORMATION		AGENT INFORMATION	
OWNER NAME JEFFREY L WEBBER	Phone with Area Code 608-832-	AGENT NAME BUG TUSSEL WIRELESS / CLOUD 1, LLC	Phone with Area Code 608-335
BILLING ADDRESS (Number, Street) 9108 RIDGE DR		ADDRESS (Number, Street) 417 PINE STREET	
(City, State, Zip) MT HOREB, WI 53572		(City, State, Zip) Green Bay, WI 54301	
E-MAIL ADDRESS		E-MAIL ADDRESS gary.henshue@bugtusselwireless.com	

ADDRESS/LOCATION 1		ADDRESS/LOCATION 2		ADDRESS/LOCATION 3	
ADDRESS OR LOCATION OF CUP		ADDRESS OR LOCATION OF CUP		ADDRESS OR LOCATION OF CUP	
9108 Ridge Dr					
TOWNSHIP PRIMROSE	SECTION 29	TOWNSHIP	SECTION	TOWNSHIP	SECTION
PARCEL NUMBERS INVOLVED		PARCEL NUMBERS INVOLVED		PARCEL NUMBERS INVOLVED	
0507-292-9500-1		---		---	

CUP DESCRIPTION
195' telecommunication tower (self-support lattice)





DANE COUNTY CODE OF ORDINANCE SECTION	ACRES
10.103(9)	0.23

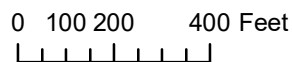
DEED RESTRICTION REQUIRED? <input type="checkbox"/> Yes <input type="checkbox"/> No Applicant Initials _____	Inspectors Initials AMA1	SIGNATURE:(Owner or Agent)
		PRINT NAME:
		DATE:

COMMENTS: PROPOSED 195' SELF-SUPPORT LATTICE STYLE COMMUNICATIONS TOWER.



Legend

- | | | |
|--|------------|---|
|  | Wetland | Significant Soils |
|  | Floodplain |  Class 1 |
| | |  Class 2 |



CUP 02553
JEFFREY L WEBBER

100' X 100' LEASE AREA DESCRIPTION

CUP LEGAL DESCRIPTION

A PORTION OF LAND LOCATED IN THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER (SE1/4-NW1/4) OF SECTION TWENTY-NINE (29), TOWNSHIP FIVE (5) NORTH, RANGE SEVEN (7) EAST, TOWN OF PRIMROSE, DANE COUNTY, WISCONSIN AND BEING FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND 1" IRON PIPE LOCATING THE NORTH QUARTER CORNER OF SAID SECTION 29; THENCE S0° 17' 48"E, 1369.59 FEET ALONG THE EAST LINE OF THE NW1/4 OF SAID SECTION 29; THENCE N90° 00' 00"W, 25.93 FEET TO THE POINT OF BEGINNING; THENCE S0° 00' 00"E, 100.00 FEET; THENCE N90° 00' 00"W, 100.00 FEET; THENCE N0° 00' 00"E, 100.00 FEET; THENCE N90° 00' 00"E, 100.00 FEET TO THE POINT OF BEGINNING. SAID LEASE AREA CONTAINS 10,000 SQUARE FEET (0.23 ACRES) AND IS SUBJECT TO ANY AND ALL EASEMENTS OR AGREEMENTS, RECORDED OR UNRECORDED.

40' WIDE ACCESS & UTILITY EASEMENT CENTERLINE DESCRIPTION #1

A PORTION OF LAND LOCATED IN THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER (SE1/4-NW1/4) OF SECTION TWENTY-NINE (29), TOWNSHIP FIVE (5) NORTH, RANGE SEVEN (7) EAST, TOWN OF PRIMROSE, DANE COUNTY, WISCONSIN AND BEING FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND 1" IRON PIPE LOCATING THE NORTH QUARTER CORNER OF SAID SECTION 29; THENCE S0° 17' 48"E, 1369.59 FEET ALONG THE EAST LINE OF THE NW1/4 OF SAID SECTION 29; THENCE N90° 00' 00"W, 25.93 FEET TO THE NORTHEAST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE S0° 00' 00"E, 100.00 FEET TO THE SOUTHEAST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE N90° 00' 00"W, 80.00 FEET ALONG THE SOUTH LINE OF THE AFOREMENTIONED LEASE AREA TO THE POINT OF BEGINNING; THENCE S0° 00' 00"E, 26.72 FEET; THENCE S49° 27' 08"E, 140.90 FEET TO THE EAST LINE OF THE NW1/4 OF SAID SECTION 29 AND THE POINT OF TERMINATION. SAID ACCESS & UTILITY EASEMENT #1 CENTERLINE CONTAINS 167.62 LINEAR FEET, MORE OR LESS, AND IS SUBJECT TO ANY AND ALL EASEMENTS OR AGREEMENTS, RECORDED OR UNRECORDED. SIDELINES OF SAID EASEMENT SHALL BE LENGTHENED OR SHORTENED TO TERMINATE AT THE EAST LINE OF THE NW1/4 OF SAID SECTION 29.

40' WIDE ACCESS & UTILITY EASEMENT CENTERLINE DESCRIPTION #2

A PORTION OF LAND LOCATED IN THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER (SW1/4-NE1/4) OF SECTION TWENTY-NINE (29), TOWNSHIP FIVE (5) NORTH, RANGE SEVEN (7) EAST, TOWN OF PRIMROSE, DANE COUNTY, WISCONSIN AND BEING FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND 1" IRON PIPE LOCATING THE NORTH QUARTER CORNER OF SAID SECTION 29; THENCE S0° 17' 48"E, 1369.59 FEET ALONG THE EAST LINE OF THE NW1/4 OF SAID SECTION 29; THENCE N90° 00' 00"W, 25.93 FEET TO THE NORTHEAST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE S0° 00' 00"E, 100.00 FEET TO THE SOUTHEAST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE N90° 00' 00"W, 80.00 FEET ALONG THE SOUTH LINE OF THE AFOREMENTIONED LEASE AREA; THENCE S0° 00' 00"E, 26.72 FEET; THENCE S49° 27' 08"E, 140.90 FEET TO THE EAST LINE OF THE NW1/4 OF SAID SECTION 29 AND THE POINT OF BEGINNING; THENCE CONTINUING S49° 27' 08"E, 38.00 FEET TO THE NORTHERLY PUBLIC RIGHT-OF-WAY UNNAMED ROAD AND THE POINT OF TERMINATION. SAID ACCESS & UTILITY EASEMENT #2 CENTERLINE CONTAINS 38.00 LINEAR FEET, MORE OR LESS, AND IS SUBJECT TO ANY AND ALL EASEMENTS OR AGREEMENTS, RECORDED OR UNRECORDED. SIDELINES OF SAID EASEMENT SHALL BE LENGTHENED OR SHORTENED TO BEGIN AT THE EAST LINE OF NW1/4 OF SAID SECTION 29 AND TERMINATE AT THE NORTHERLY PUBLIC RIGHT-OF-WAY OF AN UNNAMED ROAD.

10' WIDE UTILITY EASEMENT CENTERLINE DESCRIPTION

A PORTION OF LAND LOCATED IN THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER (SE1/4-NW1/4) OF SECTION TWENTY-NINE (29), TOWNSHIP FIVE (5) NORTH, RANGE SEVEN (7) EAST, TOWN OF PRIMROSE, DANE COUNTY, WISCONSIN AND BEING FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND 1" IRON PIPE LOCATING THE NORTH QUARTER CORNER OF SAID SECTION 29; THENCE S0° 17' 48"E, 1369.59 FEET ALONG THE EAST LINE OF THE NW1/4 OF SAID SECTION 29; THENCE N90° 00' 00"W, 25.93 FEET TO THE NORTHEAST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE S0° 00' 00"E, 100.00 FEET TO THE SOUTHEAST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE N90° 00' 00"W, 80.00 FEET ALONG THE SOUTH LINE OF THE AFOREMENTIONED LEASE AREA; THENCE S0° 00' 00"E, 26.72 FEET; THENCE S49° 27' 08"E, 83.56 FEET; THENCE S0° 00' 00"E, 26.32 FEET TO THE POINT OF BEGINNING; THENCE S0° 00' 00"E, 53.68 FEET TO THE POINT OF TERMINATION. SAID UTILITY EASEMENT CENTERLINE CONTAINS 53.68 LINEAR FEET AND IS SUBJECT TO ANY AND ALL EASEMENTS OR AGREEMENTS, RECORDED OR UNRECORDED.



Dane County
Department of Planning and Development
 Zoning Division
 Room 116, City-County Building
 210 Martin Luther King Jr. Blvd.
 Madison, Wisconsin 53703
 (608) 266-4266

Application Fees	
General:	\$495
Mineral Extraction:	\$1145
Communication Tower:	\$1145 (+\$3000 RF eng review fee)
PERMIT FEES DOUBLE FOR VIOLATIONS OR WHEN WORK HAS STARTED PRIOR TO ISSUANCE OF PERMIT	

CONDITIONAL USE PERMIT APPLICATION

APPLICANT INFORMATION			
Property Owner Name:	Jeffrey & Beverly Webber	Agent Name:	Bug Tussel Wireless/Cloud 1, LLC
Address (Number & Street):	9108 Ridge Drive	Address (Number & Street):	417 Pine Street
Address (City, State, Zip):	Mt. Horeb, WI 53572	Address (City, State, Zip):	Green Bay, WI 54301
Email Address:	None	Email Address:	gary.henshue@bugtusselwireless.com
Phone#:	608-832-6279	Phone#:	608-335-0151

SITE INFORMATION

Township:	Primrose	Parcel Number(s):	29190007, 29295001
Section:	29	Property Address or Location:	9108 Ridge Drive, Mt. Horeb, WI 53572
Existing Zoning:	FP-35	Proposed Zoning:	FP-35
CUP Code Section(s):			

DESCRIPTION OF PROPOSED CONDITIONAL USE

Type of conditional use permit (for example: limited family business, animal boarding, mineral extraction, or any other listed conditional use): Wireless communications tower.	Is this application being submitted to correct a violation? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Provide a short but detailed description of the proposed conditional use: Bug Tussel Wireless/Cloud 1, LLC is proposing to build a 195' self-support communications tower at 9108 Ridge Drive, Mt. Horeb, WI 53572. The communication facility and tower are on an adjoining 40.4-acre parcel and a 10.3-acre parcel both owned by Jeffrey & Beverly Webber. The parcels owner for the tower site and driveway entrance are 048-0507-291-9000-7 and 048-0507-292-9500-1. The site is located within the Town of Primrose and is accessed from Ridge Drive.	

GENERAL APPLICATION REQUIREMENTS

Applications will not be accepted until the applicant has met with department staff to review the application and determined that all necessary information has been provided. Only complete applications will be accepted. All information from the checklist below must be included. Note that additional application submittal requirements apply for particular uses or as may be required by the Zoning Administrator. Applicants for significant and/or potentially controversial conditional uses are strongly encouraged to meet with staff prior to submittal.

<input checked="" type="checkbox"/> Complete attached information sheet for standards	<input checked="" type="checkbox"/> Site Plan drawn to scale	<input checked="" type="checkbox"/> Detailed operational plan	<input checked="" type="checkbox"/> Written legal description of boundaries	<input checked="" type="checkbox"/> Detailed written statement of intent	<input checked="" type="checkbox"/> Application fee (non-refundable), payable to Dane County Treasurer
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I certify by my signature that all information presented herein is true and correct to the best of my knowledge. I hereby give permission for staff of the Dane County Department of Planning and Development to enter my property for the purpose of collecting information to be used as part of the review of this application. I acknowledge that submittal of false or incorrect information may be grounds for denial of this application.

Owner/Agent Signature: *Gary Henshue*
 Cloud 1, LLC
 Bus. Dev.

Date: 11-8-21

STANDARDS FOR CONDITIONAL USE PERMITS

Applicants must provide adequate evidence demonstrating to the Town and Dane County Zoning & Land Regulation Committee that the proposed conditional use satisfies the following 8 standards for approval, along with any additional standards specific to the applicable zoning district or particular use found in sections [10.220\(1\)](#) and [10.103](#) of the code.

Please explain how the proposed land use will meet the following standards (attach additional pages, if necessary):

1. The establishment maintenance or operation of the conditional use will not be detrimental to or endanger the public health, safety, comfort or general welfare.

See attached written response to Standards for Conditional Use Permits.

2. The uses, values, and enjoyment of other property in the neighborhood for purposes already permitted shall be in no foreseeable manner substantially impaired or diminished by establishment, maintenance or operation of the conditional use.

3. The establishment of the conditional use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district.

4. Adequate utilities, access roads, drainage and other necessary site improvements have been or are being made to accommodate the conditional use.

5. Adequate measures have been or will be taken to provide ingress and egress so designed as to minimize traffic congestion in the public streets.

6. That the conditional use shall conform to all applicable regulations of the district in which it is located.

7. The conditional use is consistent with the adopted town and county comprehensive plans.

8. If the conditional use is located in a Farmland Preservation (FP) Zoning district, the conditional use is subject to the following additional standards found in section 10.220(1). Attach additional pages, if necessary.

- Explain how the use and its location in the Farmland Preservation Zoning District are consistent with the purposes of the district:

- Explain how the use and its location in the Farmland Preservation Zoning district are reasonable and appropriate, considering alternative locations:

- Explain how the use is reasonably designed to minimize the conversion of land from agricultural use or open space use:

- Explain how the use does not substantially impair or limit the current or future agricultural use of surrounding parcels zoned for agricultural use:

- Explain how construction damage to land remaining in agricultural use is minimized and repaired, to the extent feasible:

WRITTEN STATEMENT OF INTENT AND OPERATIONS PLAN

Applicants must provide a detailed written statement of intent describing the proposed conditional use along with an operational plan that explains how the conditional use will be operated. Please use the form below and provide responses, as applicable, to your proposed conditional use. Attach additional pages, if necessary.

Describe in detail the proposed conditional use. Provide the specific location of the use(s), type of equipment used, planned property improvements, including description / size of existing or proposed new buildings to be used, and any other relevant information. For existing or proposed commercial operations, provide the name of the business and describe the nature and type of business activity.

See attached written response to Statement of Intent and Operations Plan.

List the proposed days and hours of operation.

List the number of employees, including both full-time equivalents and maximum number of personnel to be on the premises at any time.

List any anticipated noise, odors, dust, soot, runoff or pollution associated with the conditional use, along with any proposed measures that will be taken to mitigate impacts to neighboring properties.

Describe any materials proposed to be stored outside and any activities, processing or other operations taking place outside an enclosed building.

For proposals involving construction of new facilities and/or infrastructure, describe, as applicable, any measures being taken to ensure compliance with county stormwater and erosion control standards under [Chapter 11](#) of [Chapter 14](#), Dane County Code.

List and describe existing or proposed sanitary facilities, including adequate private onsite wastewater treatment systems, associated with the proposed conditional use. For uses involving domestic pets or livestock, list and describe measures taken to address manure storage or management.

List and describe any existing or proposed facilities for managing and removal of trash, solid waste and recyclable materials.

Describe anticipated daily traffic, types and weights of vehicles, and any provisions, intersection or road improvements or other measures proposed to accommodate increased traffic.

Provide a listing of any hazardous, toxic or explosive materials to be stored on site, and any spill containment, safety or pollution prevention measures.

Describe any existing or proposed outdoor lighting along with any measures that will be taken to mitigate light-pollution impacts to neighboring properties. The Zoning Administrator may require submittal of a photometric plan for outdoor lighting if deemed necessary to determine potential impacts to neighbors.

Describe any existing or proposed signage, including size, location, and materials, consistent with the county's sign ordinance found in s. [10.800](#).

Briefly describe the current use(s) of the property on which the conditional use is proposed.

Briefly describe the current uses of surrounding properties in the neighborhood.

APPLICATION CHECKLIST FOR A CONDITIONAL USE PERMIT

A scaled site plan and detailed operations plan must be submitted with your Conditional Use Permit application. Please use the checklist below to ensure you are submitting all required information applicable to your request. Please attach to your application form the required maps and plans listed below, along with any additional pages.

SCALED SITE PLAN. Show sufficient detail on 11" x 17" paper. Include the following information, as applicable:

- Scale and north arrow.
- Date the site plan was created.
- Existing subject property lot lines and dimensions.
- Existing and proposed wastewater treatment systems and wells.
- All buildings and all outdoor use and/or storage areas, existing and proposed, including provisions for water and sewer.
- All dimension and required setbacks, side yards and rear yards.
- Location and width of all existing and proposed driveway entrances onto public and private roadways, and of all interior roads or driveways.
- Location and dimensions of any existing utilities, easements or rights-of-way.
- Parking lot layout in compliance with s. [10.102\(8\)](#).
- Proposed loading/unloading areas.
- Zoning district boundaries in the immediate area. All districts on the property and on all neighboring properties must be clearly labeled.
- All relevant natural features, including navigable and non-navigable waters, floodplain boundaries, delineated wetland areas, natural drainage patterns, archeological features, and slopes over 12% grade.
- Location and type of proposed screening, landscaping, berms or buffer areas if adjacent to a residential area.
- Any lighting, signs, refuse dumpsters, and possible future expansion areas.

NEIGHBORHOOD CHARACTERISTICS. Describe existing land uses on the subject and surrounding properties:

- Provide a brief written statement describing the current use(s) of the property on which the conditional use is proposed.
- Provide a brief written statement documenting the current uses of surrounding properties in the neighborhood.

OPERATIONS PLAN AND NARRATIVE. Describe in detail the following characteristics of the operation, as applicable:

- Hours of operation.
- Number of employees, including both full-time equivalents and maximum number of personnel to be on the premises at any time.
- Anticipated noise, odors, dust, soot, runoff or pollution and measures taken to mitigate impacts to neighboring properties.
- Descriptions of any materials stored outside and any activities, processing or other operations taking place outside an enclosed building.
- Compliance with county stormwater and erosion control standards under [Chapter 11](#) of [Chapter 14](#), Dane County Code.
- Sanitary facilities, including adequate private onsite wastewater treatment systems and any manure storage or management plans approved by the Madison and Dane County Public Health Agency and/or the Dane County Land and Water Resources Department.
- Facilities for managing and removal of trash, solid waste and recyclable materials.
- Anticipated daily traffic, types and weights of vehicles, and any provisions, intersection or road improvements or other measures proposed to accommodate increased traffic.
- A listing of hazardous, toxic or explosive materials stored on site, and any spill containment, safety or pollution prevention measures taken.
- Outdoor lighting and measures taken to mitigate light-pollution impacts to neighboring properties.
- Signage, consistent with section [10.800](#).

ADDITIONAL MATERIALS. Additional information is required for certain conditional uses listed in s. [10.103](#):

- Agricultural entertainment, special events, or outdoor assembly activities anticipating over 200 attendees must file an [event plan](#).
- [Domestic pet](#) or [large animal boarding](#) must provide additional information in site and operations plans.
- Communication towers must submit additional information as required in s. [10.103\(9\)](#).
- Farm residences proposed in the FP-35 district must submit additional information as required in s. [10.103\(11\)](#).
- Mineral extraction proposals must submit additional information as required in s. [10.103\(15\)](#).

Supporting Document for Cloud 1, LLC/Bug Tussel Wireless CUP Application

STANDARDS FOR CONDITIONAL USE PERMITS

Standard #1 –

The wireless broadband services provided by Bug Tussel Wireless will not be detrimental to or endanger the public health, safety, comfort or general welfare of the community. In fact, having access to reliable, high speed broadband service will enhance the quality of life in the township. Rural broadband service is essential for the residents of the Town of Primrose and Dane County. This broadband service will promote and enhance economic viability, economic growth, rural agriculture, the education of both young students and adults, work at home situations, telehealth needs and public safety. Broadband service has become an essential service in our society.

The Wisconsin Public Service Commission (PSC) has an initiative to promote rural broadband throughout Wisconsin. The mission of the Wisconsin Broadband Office of the PSC is to make Wisconsin more competitive through advancing the availability, adoption, and use of broadband technologies. The Wisconsin Broadband Office works with stakeholders to build partnerships with providers to enhance broadband across the state. In addition, Connecting America: The National Broadband Plan is a FCC plan to improve internet access in the United States. This National Broadband Plan sets out a roadmap for initiatives to stimulate economic growth, spur job creation and boost America's capabilities in education, health care, homeland security and more. Nothing highlights this need more than the current health crisis we are facing in our communities *with students implementing distant learning, many adults working from home and numerous residents relying on telehealth services*. This tower is an opportunity for the residents of the Town of Primrose to have another broadband provider *at no cost to the community*. This proposed communications tower will benefit both the unserved and underserved residents of the township. Enclosed are the following items that support the need for rural broadband in the Town of Primrose –

- Maps from the Wisconsin PSC website showing the broadband underserved areas in the Town of Primrose. Residents of the Township need broadband options.
- News article from Madison.com – High-Speed Internet Access Critical for Students and Job Seekers. As noted in this article, access to reliable broadband is vital for today's young people in their search for education and job training.
- News article from Connected Nation – Discusses the importance of Telehealth in rural markets.

The proposed communications tower also has three additional locations (RAD Centers) for other wireless communication providers to install their equipment in the future.

Standard #2 -

The wireless broadband services provided by Bug Tussel Wireless will not impair or diminish the use, values and enjoyment of other property in the neighborhood. The area around the

proposed tower site is rural agricultural land. Broadband services in the rural area are in high demand and present no health and safety concerns to township residents.

Standard #3 -

The wireless broadband services provided by Bug Tussel Wireless will not impede the normal and orderly development and improvement of the surrounding property. The area around the proposed tower site is rural agricultural land. Broadband services in the rural area are in high demand and present no health and safety concerns to township residents. This proposed tower provides the residents of the township another broadband service provider option. This rural broadband service should enhance the property values in the surrounding area.

Standard #4 -

As the construction plans and other documentation included in the Conditional Use Permit application show, adequate utilities, access roads, site drainage and other necessary site improvements are available to accommodate the conditional use.

Standard #5 -

As the construction plans included in the Conditional Use Permit application show, ingress and egress has been designed for this broadband tower site. The proposed site plans utilize the existing driveway entrance off Ridge Drive. There will be no change in congestion from the current traffic patterns. Once construction of the tower is completed vehicular traffic will visit the site approximately 4-6 times per year, unless there are service problems with the equipment on the tower.

Standard #6 -

The requested conditional use for a broadband tower will conform to all applicable regulations of the Township/County.

Standard #7 -

Below are a few examples from the Town of Primrose Comprehensive Plan supporting the need for rural broadband and other wireless communication services –

- Chapter 3, Page 2 (Transportation Goals, Objectives and Policies) – Ensure safe and efficient transportation. *BTW comment – Wireless communications is essential for safe and efficient transportation. Wireless communications are utilized for mobile navigation (GPS), as well as, to contact emergency services (911). The power of high-speed broadband can help make streets safer and government services more efficient. Deploying internet services in County police, fire and safety vehicles provide professionals with the resources they need to better serve and protect residents of the township.*
- Chapter 4, Page 3 (Policies and Programs) – Work to improve uniformity and availability of telecommunication and high-speed internet services to town residents. *BTW comment - There are unserved and underserved areas in the Town of Primrose.*
- Chapter 5, Page 2 (Farming Today) – Because farming is the Town’s primary activity..... *BTW comment – Farming today requires connections to both broadband and wireless communication services in order to remain competitive. Many of the*

modern farm machinery are linked to wireless networks in order to manage crop yield tracking. Access to broadband is essential for farmers to follow commodity markets, communicate with suppliers and customers, gain access to new markets around the world and, increasingly for regulatory compliance.

- Chapter 5, Page 8 (Agricultural Resource Goals) – Keep farming economically viable in the Town of Primrose through the 21st century.
- Chapter 6, Page 2 (Types of Business Desired by Town) – Town residents identified farm-based businesses, and small home-based occupations as types of businesses they would like to see in the future. *BTW comment - Farm-based and small home-based businesses need high-speed broadband services and other wireless communications services.*
- Chapter 6, Page 4 (Policies and Programs) – Work with University of Wisconsin Extension, local schools, 4-H and other groups to help interested town residents learn new skills. *BTW comment – The internet allows rural residents a tremendous opportunity to stay connected to numerous learning opportunities and experiences. The internet provides the world at your fingertips.*

Standard #8 –

Parcels 048-0507-291-9000-7 and 048-0507-292-9500-1 are in the General Farmland Preservation Zoning District (FP-35). A communication tower is a Conditional Use in this zoning district.

Consistent with Purposes of District –

Per Section 10.222, the FP-35 General Farmland Preservation district is designed to (a) provide for a wide range of agriculture and agricultural accessory uses. The FP-35 district accommodates as permitted uses all activities typically associated with the primary production and harvesting of crops, livestock, animal products or plant materials, (c) Allow for other incidental activities compatible with agricultural use to supplement farm family income and support the agricultural community.

Rural broadband is essential to modern agriculture, the farmers who grow our food, as well as, the quality of life for rural township residents. Town residents depend on broadband just as they do township roads, county and state highways.

Broadband Service and Farming –

Farmers embrace technology that allows their farming businesses to be more efficient, economical and environmentally friendly. Today's farmers are using precision agricultural techniques to make decisions that impact the amount of fertilizer they need to purchase and apply to the field, the amount of water needed to sustain the crop, and the amount and type of herbicides or pesticides they may need to apply. When farmers can't maximize the functionality of their equipment, particularly in the middle of the field, it has repercussions beyond the farm. More and more of the future is about data and data transfer. The timely dissemination and use of data are becoming more important in a precision ag and decision ag world. These are only a few examples of the way's farmers use broadband connectivity to achieve optimal yield, lower environmental impact and maximize profits.

Farmers rely on broadband access to manage and operate a successful business, the same as small businesses do in urban areas of the state. Access to is essential for farmers to follow commodity markets, communicate with suppliers and customers, gain access to new markets and, increasingly for regulatory compliance.

Broadband Service and Quality of Life –

Rural communities need access to health care, government services, and educational and business opportunities. Based on the Wisconsin PSC broadband maps for the Town of Primrose (see enclosed) this area is unserved or underserved. Current and future generations of township residents will be left behind urban citizens if they are without affordable high-speed broadband alternative services. There is a clear disparity between connectivity in rural versus non-rural areas. The results of numerous qualitative and quantitative research have highlighted the critical need to improve rural broadband services, which has implications far beyond quality of life (information, communication and entertainment) in addition to the livelihood for rural communities.

Alternative Locations for Tower –

The tower location in the Town of Primrose was selected within the $\frac{3}{4}$ mile search ring. The enclosed Affidavit discusses why this is the preferred tower location based on coverage and backhaul. There are no other wireless communications towers within 1 $\frac{1}{2}$ miles of this proposed tower location.

Minimize Conversion of Land –

Broadband and other wireless services in the Town of Primrose provides the township the opportunity to minimize the conversion of the existing land. Broadband services support all the existing agricultural uses and open space uses of the township land. These wireless services will allow the existing farmers/landowners the opportunity to stay competitive and informed. Today broadband service is an essential service in both urban and rural areas.

Surrounding Parcels –

Broadband and other wireless services in the Town of Primrose does not substantially impair or limit the current or future agricultural use of surrounding parcels. In fact, broadband services support all the existing agricultural uses and open space uses of the township land. Today broadband service is an essential service in both urban and rural areas.

Construction Damage –

The proposed communications tower will disturb approximately 1 $\frac{1}{2}$ acres of land. Appropriate erosion control measures will be taken during the tower construction process. In addition, the site will be restored to pre-existing ground conditions.

WRITTEN STATEMENT OF INTENT AND OPERATIONS PLAN

Bug Tussel Wireless/Cloud 1, LLC is proposing to build a 195' self-support communications tower at 9108 Ridge Drive, Mt. Horeb, WI 53572. The communication facility and tower are on a 40- acre parcel(s) owned by Jeffrey & Beverly Webber. The parcels for the tower site and driveway entrance are 048-0507-291-9000-7 and 048-0507-292-9500-1. The site is located within the Town of Primrose and is accessed from Ridge Drive.

The broadband coverage for the 195' height tower is shown in the chart below.

Broadband Coverage

Primrose A Cambium RAD Center 189' Height (195' Tower)
Population Covered: 721
Surface Area Covered: 28.8 Square Miles
Minimum Usable RSRP (Receive Signal Level): -82 dBm

In regard to collocation, there are presently no towers in this area. The Bug Tussel Wireless RF engineer performed a search within 1 ½ miles of our search ring center and there are no towers within this 1 ½ mile area. As a result of this search, collocation on another tower is not an option within this vicinity.

Bug Tussel Wireless will install broadband equipment on this tower. There are three additional locations on the tower to place additional equipment. There will be a 40' x 40' fence around the gravel compound area. The driveway to the tower site utilizes both an existing driveway of Ridge Drive and a new gravel extension to the tower site. No building will be part of this tower build.

The equipment installed on the tower will operate within FCC licensed bands of wireless spectrum which do not overlap with any other entity. All equipment is FCC compliant from an operational tolerance perspective. Regarding licensed and unlicensed bands (as allowed by the FCC), the equipment does not cause external interference nor transmit outside of the allowed and exclusive frequencies and/or thresholds. The emissions are also in alignment with FCC guidelines.

At the present time, the timeline for construction will be during the first and second quarter of 2022 depending on timing of zoning approvals from both the Town of Primrose and Dane County.

The property is presently zoned FP-35 (General Farmland Preservation) Zoning District. Communications facilities within this district require a conditional use permit. All adjacent properties are zoned FP-35 as well.

The site is suitable for use as a communication tower facility in that it fills a much-needed gap in broadband and wireless coverage in this area. The tower site is in an area with mild topography, minimizes impact on agricultural production, and has little or no impact on adjacent parcels. The proposed communications tower will operate 365 days a year 24/7. After the initial construction, there will be no employees onsite unless there are service problems with the equipment of new equipment being installed. It is estimated that a one-ton pickup truck and maintenance person(s) will visit the site approximately 6-10 times per year. Thus, no increase in traffic over existing conditions.

It is anticipated that the tower site will not produce noise, odors, dust, soot, runoff or pollution. Proper erosion control measures (per township and Dane County standards) will be taken during the 6-8-week construction period and after the site is fully restored.

No materials will be stored outside the 40' x 40' fence in compound area. Only a metal cabinet will be at the base of the tower.

No sanitary facilities are proposed at the tower site.

No proposed onsite facilities are planned for trash, solid waste or recyclable materials.

No hazardous, toxic or explosive materials will be stored onsite.

The FAA does not require a light on top of the 195' guyed communications tower.

No signage is proposed for this tower site other than the FCC posting of the tower registration number readily visible at the base of the tower structure.

Current use of the property, as well as, the surrounding properties is agricultural.

The communications tower site will comply with both county stormwater and erosion control standards under Chapter 11 of Chapter 14, Dane County Code.

No future expansion is anticipated outside the CUP area.

The Town of Primrose zoning map is enclosed in this permit filing. In order to analyze the dBm levels by zoning type we would need to overlap the zoning map with the propagation maps. We do not have the software to do this.

Bug Tussel Wireless/Cloud 1, LLC has contacted the Town of Primrose regarding this proposed tower site. Refer to the Town of Primrose 09/07/21 Public Hearing Board of Supervisors and Planning Commission joint meeting minutes.

The name, address and contact individual for the tower company/anchor tenant along with the FCC license number for the service provider Bug Tussel Wireless/Cloud 1, LLC is –

Cloud 1, LLC 417 Pine Street, Green Bay, WI 54301, FCC License - #0018139824
Contact: Jason Wied 920-940-0137

The legal description for the CUP area provided in the application includes the leased area, guyed lines and the access drive to the site. Bug Tussel Wireless/Cloud 1, LLC believes all these areas should be included in the CUP area and it should not be limited to just the 100'x100' leased area. Bug Tussel Wireless/Cloud 1, LLC will need both the guyed lines and the access drive in order to construct and operate this tower. The entitlement Bug Tussel Wireless/Cloud 1, LLC is requesting should include the entirety of the wireless communications facility and its appurtenances, not just the lease area and the support structure.

Majid Allan

Senior Planner

Dane County Department of Planning & Development
Room 116, 210 Martin Luther King, Jr. Blvd.
Madison, WI 53703

August 10, 2021

Dear Sir and Madam,

In response to your letter about the incomplete application for the proposed Bug Tussel Tower, I have answered the questions it contained below.

1. As Bug Tussel Wireless does not own any licensed spectrum for wireless services in Dane County, we will be using unlicensed 3.65 GHz frequencies.
2. The minimum RSL (Receive Signal Strength) needed for proper wireless communication throughput using the equipment Bug Tussel Wireless has purchased is -82 dBm.
3. Subscriber end Antenna height used in predictions are set at 15 ft above ground, as this is an average between one- and two-story house roofs.
4. EIRP is set to the Cambium Radio's maximum output power: 36 dBm.
5. After review of our backhaul design and lower frequency usage, we found that a lower frequency used at a lower RAD center will work in a manner close to what he had designed previously, and the microwave redundancy should not be majorly affected by the lower height.
6. With the above information, we can use a 195 ft tower.

If you have additional questions about this matter, please let me know.

Thank you.



Adam Craig

RF Engineer

Bug Tussel Wireless

417 Pine Street

Green Bay WI 54301

Brian Standing, Pamela Andros

Senior Planners

Dane County Department of Planning & Development
Room 116, 210 Martin Luther King, Jr. Blvd.
Madison, WI 53703

August 10, 2021

Dear Sir and Madam,

The given tower search ring given applies only to Bug Tussel Wireless' fixed wireless broadband internet services.

If you have additional questions about this matter, please let me know.

Thank you.



Adam Craig

RF Engineer

Bug Tussel Wireless

417 Pine Street

Green Bay WI 54301

Dane County Department of Planning & Development
Room 116, 210 Martin Luther King, Jr. Blvd.
Madison, WI 53703

August 10, 2021

Dane County Zoning,

Bug Tussel Wireless Operates within FCC licensed bands of wireless spectrum which do not overlap with any other entity. Our equipment is licensed and monitored by the FCC and any interference issues brought to us will be given the highest priority. We will work with all parties to ensure all interference issues are investigated and resolved as soon as they are brought to our attention.

All equipment used by Bug Tussel Wireless is FCC compliant from an operational tolerance perspective. Regarding licensed and unlicensed bands (as allowed by the FCC), the equipment does not cause external interference nor transmit outside of the allowed and exclusive frequencies and/or thresholds. The radio frequency emissions and human exposure are also in alignment with FCC guidelines.

Finally, we will install Bug Tussel Wireless fixed internet services on the site. If you have additional questions about this matter, please let me know.

Thank you.



Adam Craig

RF Engineer

Bug Tussel Wireless

417 Pine Street

Green Bay WI 54301

BREAKING Badgers' senior WR A.J. Taylor ruled out for season



https://madison.com/online_features/education/high-speed-internet-access-critical-for-students-and-job-seekers/article_bc8106db-7305-5988-80fd-e87900b4f555.html

ADVERTORIAL

High-Speed Internet Access Critical for Students and Job Seekers

May 28, 2019



(StatePoint) The job market is rapidly changing, thanks to new and emerging technologies. As a result, job training has become highly specialized, even at the high school level.

While young people living in urban and suburban communities often benefit from on-site access to the specialized education that they will need for future career success, those living in rural areas must sometimes rely on distance education to get the same training, as smaller rural schools can't always realistically offer a wide range of specialized coursework.

With this in mind, a recent report from NTCA–The Rural Broadband Association, highlights the need for high-speed Internet access in every community nationwide to meet the demands of tomorrow's job market.

With two job categories poised for demand, middle-skill and STEM jobs, experts say that reliable rural broadband access will help ensure that there are enough trained workers available to fill the next generation of American jobs, while also helping to expand job opportunities for a greater number of young people.

Rural broadband providers continue to play a vital role. By leveraging their networks and working closely with local educational institutions, they are providing fiber connectivity and broadband to schools in harder-to-reach locations. As a result of these initiatives, a greater number of communities and schools can offer specialized coursework, career guidance and more to their students, helping to build local career opportunities and strengthen local economies.

Those who have directly benefitted from rural broadband echo this sentiment.

“High-speed internet service in my rural area allowed me to participate more fully in high school and gave me the chance to explore more opportunities after graduation. I am so grateful for the access it provided me, I am now actually working at a broadband company myself and plan to study business management and marketing at school,” says Devin Bryant, a young adult living and working in Abbeville, S.C. “Good service allows me to stay in my rural area near family and friends and still pursue the job opportunities I want.”

With an effort already underway by NTCA to build smart and connected rural communities, experts say you can expect to see expanded educational opportunities and strengthened local economies nationwide. To learn more about these efforts, visit ntca.org.

Access to reliable broadband is vital for today’s young people in their search for education and job training.

Photo Credit: (c) Sergii Mostovyi / stock.Adobe.com



[\(https://connectednation.org/\)](https://connectednation.org/)

TELEHEALTH IS ONE TOOL FOR PREVENTING THE SPREAD OF CORONAVIRUS

WHAT A TELEHEALTH STUDY IN RURAL MICHIGAN CAN TEACH US ABOUT TAKING A BETTER APPROACH TO HEALTHCARE EVERY DAY AND DURING A HEALTH CRISIS

by Jessica Denson, Communications Director
Connected Nation

Lansing, MI **(March 12, 2020)** – Fears about the coronavirus (COVID-19), including how easily it can be transmitted



[\(https://gisanddata.maps.arcgis.com/apps/opsdashboard/\)](https://gisanddata.maps.arcgis.com/apps/opsdashboard/)

CLICK THE ABOVE MAP TO SEE THE LATEST CONFIRMED CASES OF CORONAVIRUS.

(<https://www.cdc.gov/coronavirus/2019-ncov/about/transmission.html>) and its deadly impact on vulnerable populations, are, perhaps, spreading faster than the virus itself.

According to Johns Hopkins University

(<https://gisanddata.maps.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd402994234> there are now 3,813 confirmed cases and 69 deaths from coronavirus in the U.S. (Please note: these numbers were last updated on March 16, 2020)

The advice offered from health experts is to wash your hands often, don't touch your face, and to practice "social distancing" tactics like canceling events or working from home. Another answer many are now proposing is to place more emphasis on telehealth rather than face-to-face doctor's visits.

Telehealth is, according to healthit.gov (<https://www.healthit.gov/faq/what-telehealth-how-telehealth-different-telemedicine>), "the use of electronic and telecommunications technologies to support long-distance clinical healthcare, patient and professional health-related education, public health, and health administration." By using telehealth applications, doctors can diagnose patients remotely, prescribe medicine and have it delivered to a patient's front door. This means someone who may be infected does not have to go out. In essence, practicing telemedicine can actually help prevent the spread of coronavirus.

In fact, the Centers for Disease Control (CDC) issued a series of recommendations (<https://www.cdc.gov/coronavirus/2019-ncov/php/preparing-communities.html>) to help communities prepare for the potential spread of coronavirus. They include "leveraging existing telehealth tools to direct people to the right level of healthcare for their medical needs."

Telehealth comes in many forms. Connected Nation (CN), through its state program Connected Nation Michigan (CN Michigan), last week released a groundbreaking study that closely examined the use and perceptions of telehealth in rural areas with a focus on five Michigan counties. Through that study, researchers found that accessing a website is the most popular way to use telehealth (36%), followed by interacting via email (34%), text messaging (17%), mobile apps (12%), video conferencing (4%), and social media (4%).

The study also found that adults age 65 and older are the most likely to benefit from remote monitoring applications. These include remote heart, blood pressure, and blood sugar monitoring as well as electronic reminders to take medicine. Despite those benefits, this same age group is the least likely to communicate with healthcare providers online, in part due to concerns about the privacy of their online information.

However, if we can remove the barriers to expanding telehealth and alleviate individual concerns and understanding about its use, we can help protect more people and respond more effectively to public health concerns. Among the counties surveyed, researchers found that one in seven households said accessing information online prevented trips to the doctor or medical center. In addition, one in five (21%) of those who have not used a telehealth application would do so if their healthcare provider offered one.

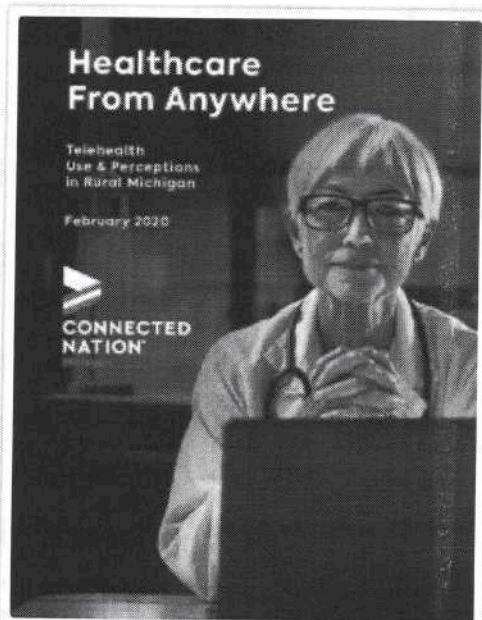
But telehealth is not just a temporary fix for the current health crisis—it can mean long-term improvement on health services, especially in rural areas. Researchers also found, among other things, the highest ratios in the country of patients per doctor, a lower-than-average life expectancy, and a higher-than-average number of preventable hospital stays in rural states with restrictive telehealth policies.

Put another way, those states that have more progressive and open approaches to funding and supporting telehealth are doing more to improve the overall health and life expectancies of constituents. There are barriers that can be addressed to improve and expand telehealth in those states that have restrictive or moderate policies.

The Three Challenges for Telehealth

The study found that three major challenges affect rural health networks: a lack of funding for program expansion; the need for improved broadband (high-speed internet) access; and disparate reimbursement from insurance and Medicaid telehealth services.

The funding challenge is something that both private and public entities must take on to improve telehealth. In the study, CN Michigan's researchers learned that telehealth can lead to massive savings once it's in place. In the five counties surveyed, telehealth usage represents a savings of nearly \$4.7 million per year, just for 15-minute visits to general practitioners. In addition, calculating for time spent between travel, waiting rooms, and



(<https://connectednation.org/wp-content/uploads/2020/03/CN-TELEHEALTH-2020-022720-FINAL-2.pdf>)

CLICK THE ABOVE IMAGE TO VIEW THE FULL STUDY OR DOWNLOAD THE PDF.

doctors' visits themselves, this represents nearly \$1 million (\$985,000) in lost productivity per year per county, totaling a savings of \$5.7 million per year in these five counties alone.

Another issue is the need for improved broadband access and speed that can better support telehealth applications and usage. Connected Nation has been working to improve broadband access, adoption, and use in every community for nearly two decades. In the last two years, we've seen a better understanding that this technology is no longer a

~~privilege but a necessity~~—and lawmakers are taking action. From \$500+ million in loans and grants for rural broadband offered through the USDA's ReConnect Program

(<https://www.usda.gov/reconnect>) to the just passed Broadband DATA Act (<https://www.congress.gov/bill/116th-congress/senate-bill/1822>), we're seeing forward momentum on connecting rural areas across the country.

At the same time, Congress is attempting to address this issue of reimbursement for using telehealth in response to the rapidly-spreading coronavirus. Lawmakers passed H.R. 6074 (<https://www.congress.gov/bill/116th-congress/house-bill/6074>) last Thursday which has been dubbed the "Coronavirus Preparedness and Response Supplemental Act, 2020." The Act temporarily waives restrictions on billing Medicare for telehealth services during emergency periods. It is now on the President's desk awaiting his signature. So, in other words, in emergency areas and time periods, seniors will be able to use more telehealth services and get them covered by Medicare.

Telehealth applications represent more than a quick fix to avoid a particularly nasty virus. They are the newest way that technology and medicine are merging and they can have long-lasting impacts in the way Americans seek out medical care.

From increasing access to medical experts around the globe to keeping students engaged during times of illness through distance learning, broadband technology has the ability to completely alter the way we look at our health. This can only be accomplished, though, if

forward-thinking policymakers look beyond the current short-term crisis to imagine the truly transformational power of telehealth.

You can find Connected Nation's new report on telehealth applications [here](https://connectednation.org/wp-content/uploads/2020/03/CN-TELEHEALTH-2020-022720-FINAL-2.pdf) (<https://connectednation.org/wp-content/uploads/2020/03/CN-TELEHEALTH-2020-022720-FINAL-2.pdf>).

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<https://connectednation.org>

Primrose Communications Tower

195' Self Support



FAA 1A SURVEY CERTIFICATION

Applicant: Cloud 1
130 East Walnut Street
Green Bay, WI 54305-1060

Site Name: Primrose

Horizontal Datum Source (select all that apply):

Ground survey GPS survey NAD 83 NAD 27

Vertical Datum Source (select all that apply):

Ground survey GPS survey NAVD 88 NGVD 29

Structure Type (select one):

New Tower Existing Tower Roof Top Water Tank Smokestack
 Other (describe): _____

Latitude: 42° 52' 58.23" North NAD 83

Longitude: 89° 41' 30.48" West NAD 83

Ground Elevation: 1102' AMSL

CERTIFICATION: I certify that the latitude and the longitude, as detailed above, are accurate to within +/- 20 feet horizontally, and that the site elevation, detailed above, is accurate to within +/-3 feet vertically. The horizontal datum (coordinates) are based on the North American Datum of 1983 (NAD 83) and are expressed in degrees, minutes and seconds to the nearest hundredth of a second. The vertical datum (heights) are based on the North American Vertical Datum of 1988 (NAVD 88) and are determined to the nearest foot.

Engineer Signature/Seal: _____

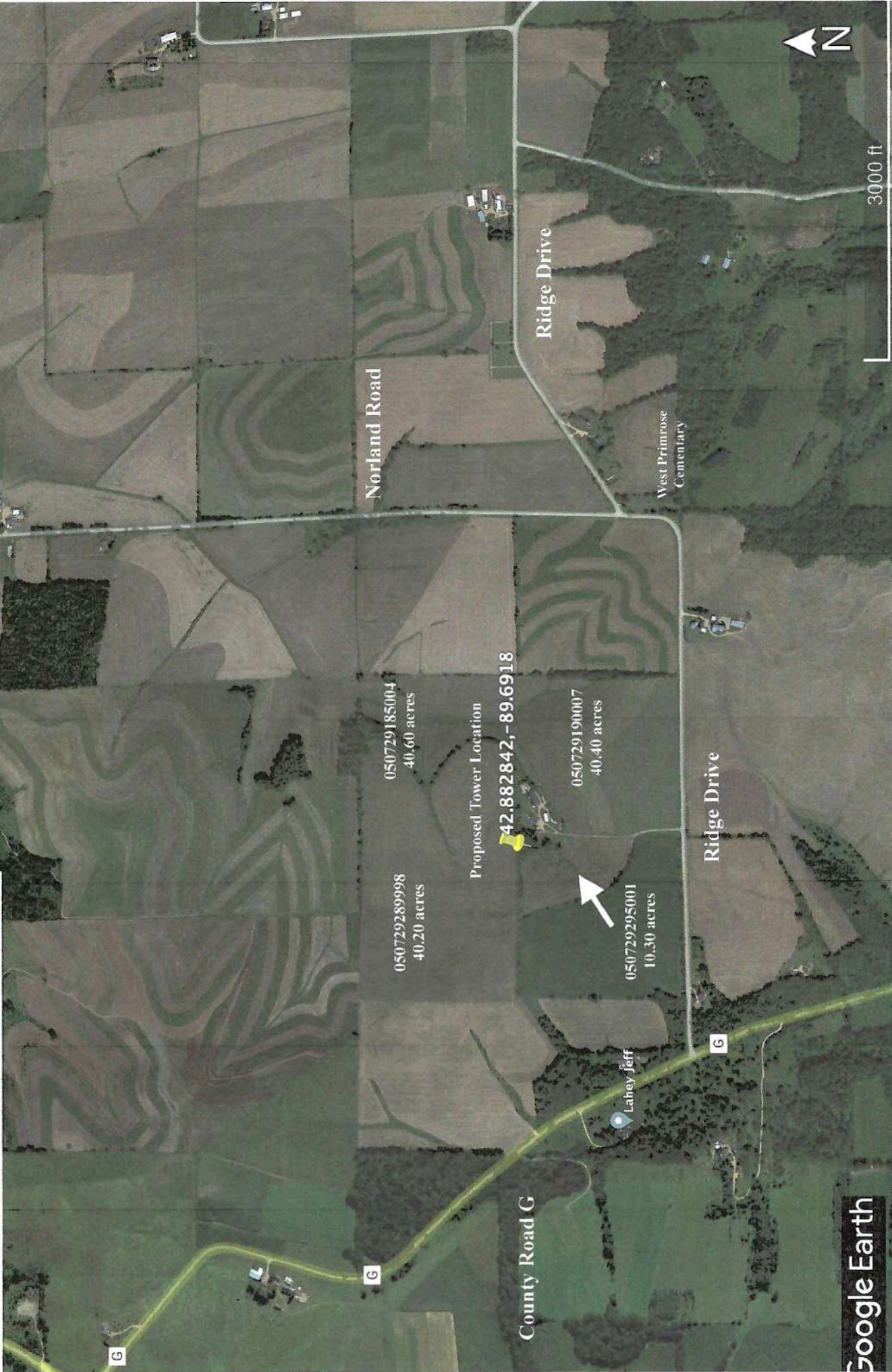
Printed Name: Daryl Matzke
Professional Engineer #: E-29911
Company: Ramaker & Associates, Inc.
Phone: 608-643-4100
Date: August 16, 2021



Ramaker Project No.: 42804

Primrose Communications Tower

195' Self Support



Setbacks From Lot Lines

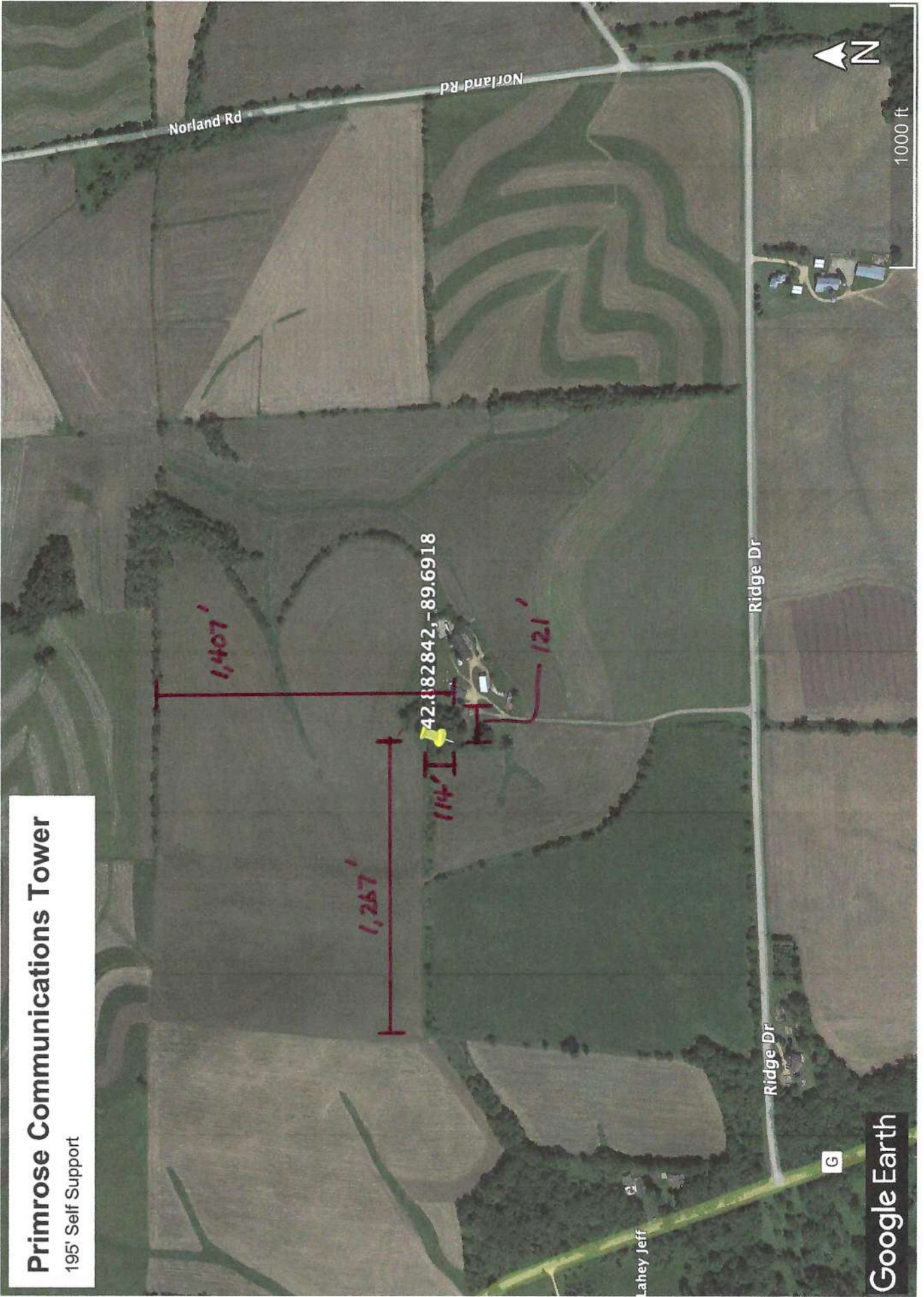


EXHIBIT A
TO SITE LEASE WITH OPTIONS
LEGAL DESCRIPTION OF PROPERTY

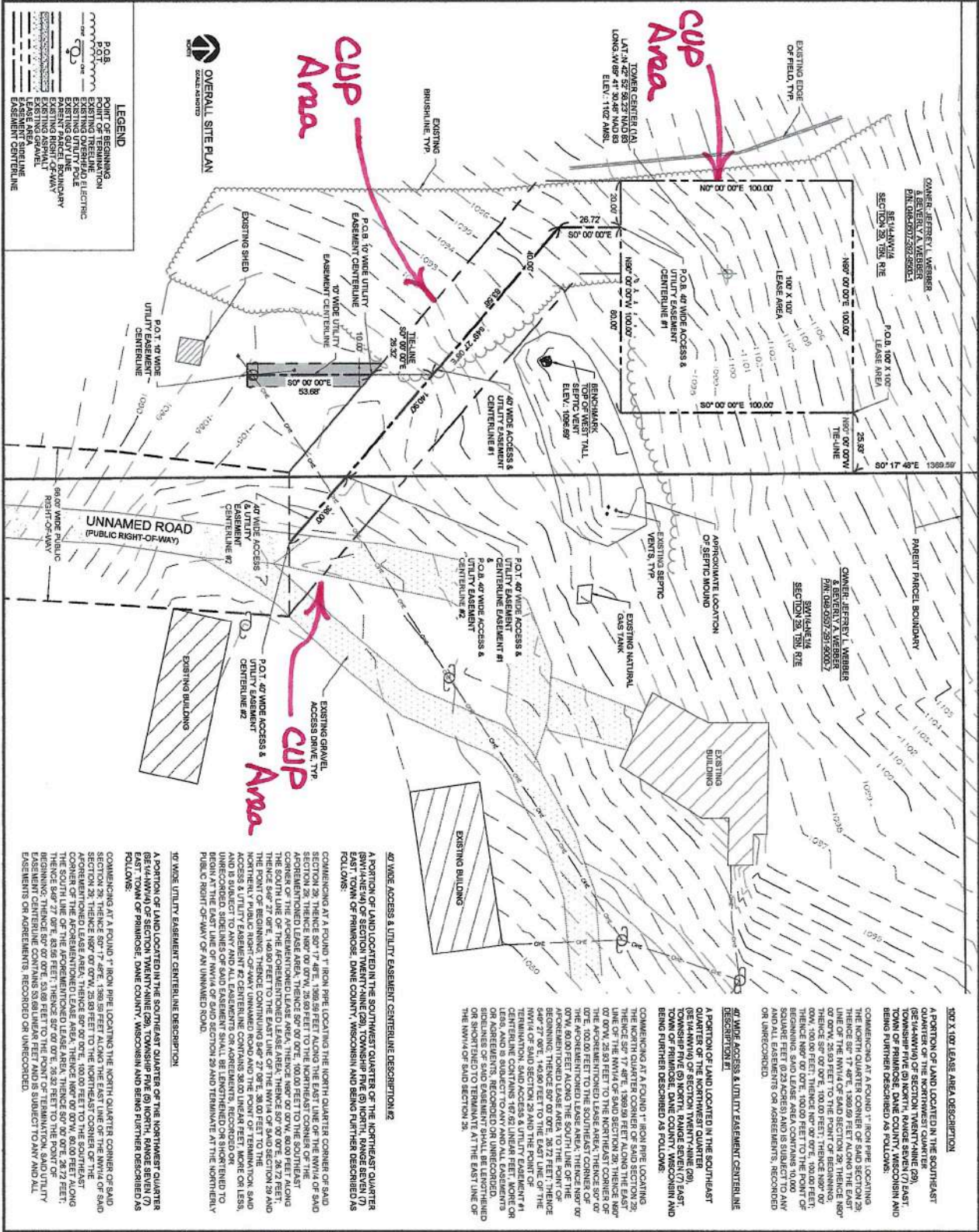
The Southwest $\frac{1}{4}$ of the Northeast $\frac{1}{4}$ and the following described parcel of land located in the Southeast $\frac{1}{4}$ of the Northwest $\frac{1}{4}$, being more fully described as follows: Commencing at the Northeast corner of the Southeast $\frac{1}{4}$ of the Northwest $\frac{1}{4}$ of Section 29, thence West 39 rods; thence Southeasterly 47 rods; thence Easterly 27 rods; thence North to the place of beginning, 57 rods 11 feet, being 10 acres and 5 rods and being the land described in a certain deed recorded in Vol. 148 of Deeds, page 535, all of the above described lands being located in Section 29, Township 5 North, Range 7 East, in the Town of Primrose, Dane County, Wisconsin.

For informational purposes only:

Property Address: 9108 Ridge Drive, Mount Horeb, WI 53572

Tax Key Number: 048-0507-291-9000-7 and 048-0507-292-9500-1

Primrose - Identification of CUP Area



cloud1

417 PINE STREET
 GREEN BAY, WI 53005-1080
 PHONE: (920) 940-0147

RAMAKER

417 PINE STREET
 GREEN BAY, WI 53005-1080
 PHONE: (920) 940-0147

WISCONSIN

TRENT D NELSON
 3132-B
 WAUKESHA, WI

LAND SURVEYOR

Trent D. Nelson, P.L.S.
 License Number: 3132-B

DATE: 08/31/2021

PROJECT TITLE: PRIMROSE

PROJECT ADDRESS: RIDGE DRIVE, MOUNT HORN, WI 53772, DANNE COUNTY

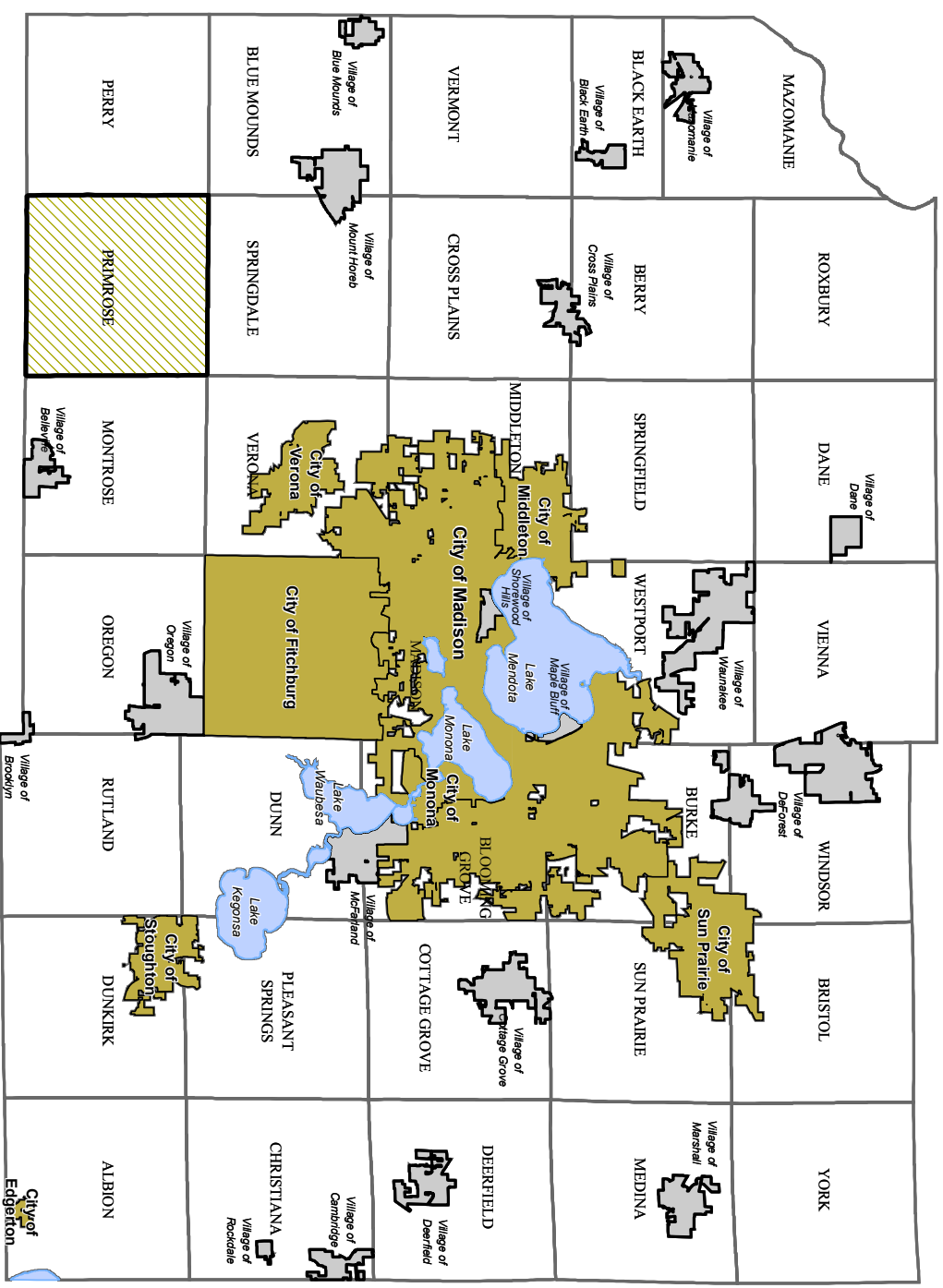
SITE SURVEY

SCALE: 1" = 40'

DATE: 2 OF 2

Location

MAP 1-1

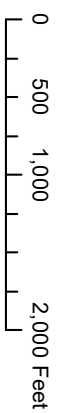


Dane County Map



September 4, 2019

- | | | | |
|-------------------------|--------------------|-----------------------|---|
| Road Centerlines | Local Road | Unnamed Private Roads | Rivers and Streams |
| Interstate Highway | Restricted Access | | Perennial Stream: Hidden Perennial Stream |
| US Highway | Ramp | Municipalities | Intermittent Stream: Hidden Intermittent Stream |
| State Highway | Named Private Road | City | Constructed Drainage |
| County Highway | Platted Roads | Village | Lakes and Ponds |
| | Alleys | Town | Lakes and Ponds |
| | | Parcels | |



ORIGINAL



LICENSE OR PERMIT BOND

Bond 354226641

LICENSE OR PERMIT BOND

KNOW ALL BY THESE PRESENTS, That we, CLOUD 1, LLC
417 Pine Street, Green Bay, WI 54301
as Principal, and the Liberty Mutual Insurance Company, a MA corporation,
as Surety, are held and firmly bound unto DANE COUNTY, as Obligee,

in the sum of Twenty Thousand and 00/100 Dollars (\$20,000.00)

for which sum, well and truly to be paid, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

Signed and sealed this 9th day of November, 2021

THE CONDITION OF THIS OBLIGATION IS SUCH, That WHEREAS, the Principal has been or is about to be granted a license or permit to do business of remove the tower at Primrose Tower Site, Tax Parcel #048-0507-291-9000-7 and 048-0507-292-9500-1 by the Obligee.

NOW, Therefore, if the Principal well and truly comply with applicable local ordinances, and conduct business in conformity therewith, then this obligation to be void; otherwise to remain in full force and effect.

PROVIDED, HOWEVER; 1. This bond shall continue in force:

- Until, or until the date of expiration of any Continuation Certificate executed by the Surety
OR
Until canceled as herein provided.

2 This bond may be canceled by the Surety by the sending of notice in writing to the Obligee, stating when, not less than thirty days thereafter, liability hereunder shall terminate as to subsequent acts or omissions of the Principal.

CLOUD 1, LLC
Principal
By [Signature]



Liberty Mutual Insurance Company
By Roxanne Jensen
Roxanne Jensen Attorney-in-Fact



This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

Certificate No: B205479-354019

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Andrew Marks, Brian L. Krause, Kelly Cody, Roxanne Jensen, Trudy A. Szalewski

all of the city of Milwaukee state of WI each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 26th day of April, 2021.



Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By: David M. Carey, Assistant Secretary

State of PENNSYLVANIA ss
County of MONTGOMERY

On this 26th day of April, 2021 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2025
Commission number 1128044
Member, Pennsylvania Association of Notaries

By: Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS: Section 12. Power of Attorney.

Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 9th day of November, 2021.

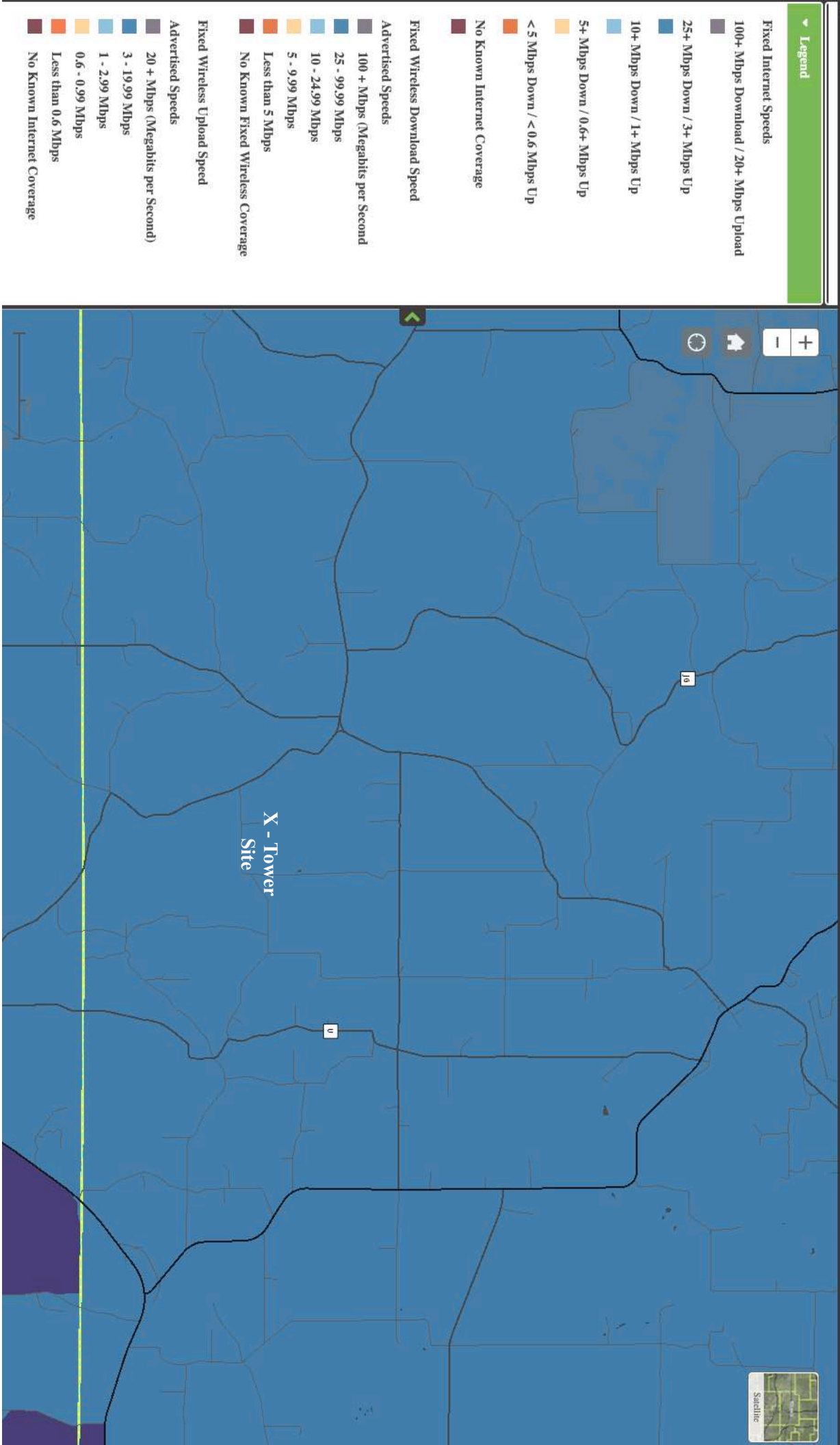


By: Renee C. Llewellyn, Assistant Secretary

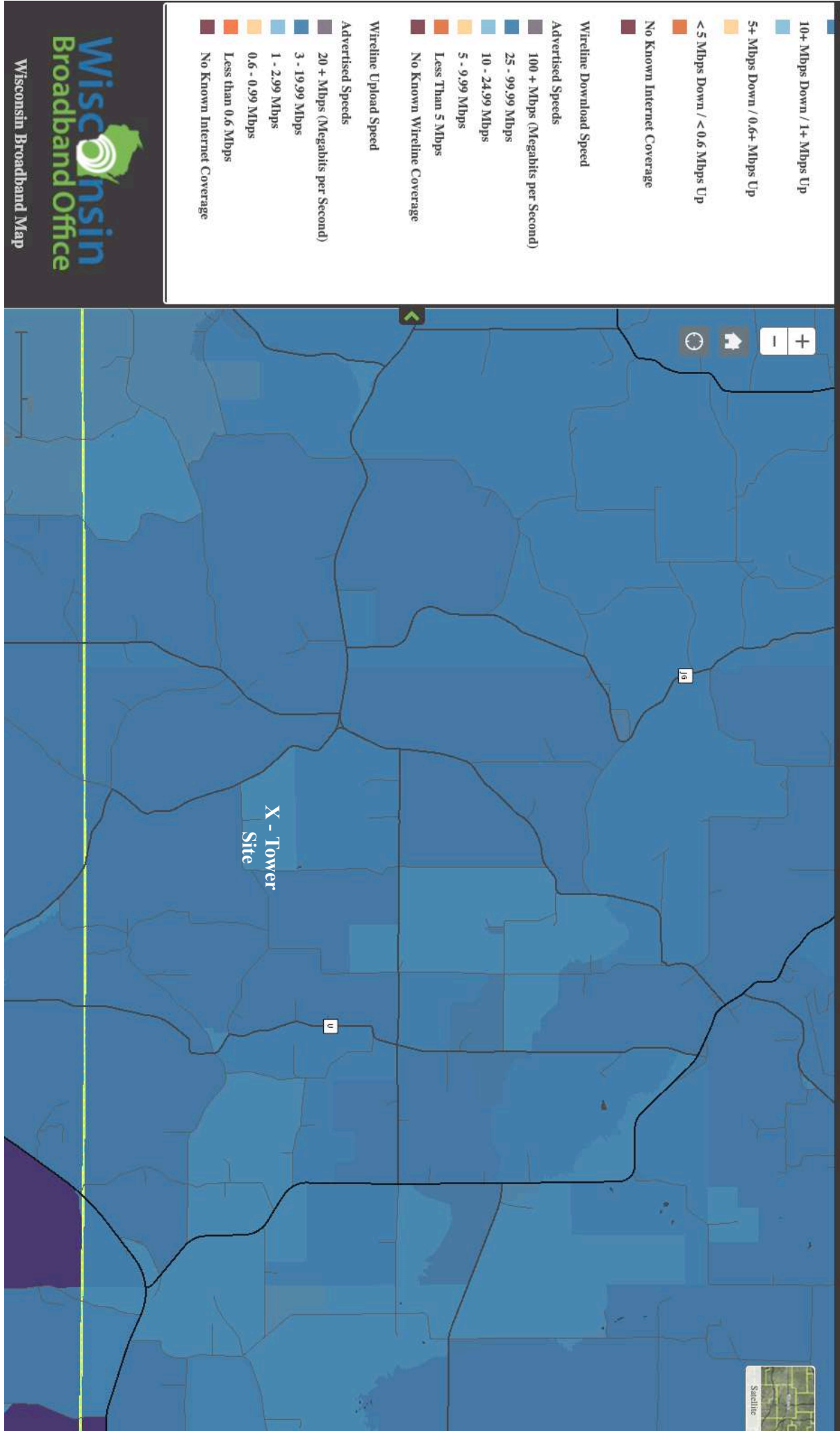
Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email HOSUR@libertymutual.com.

Wisconsin PSC Broadband Office - Fixed Wireless Broadband Service



Wisconsin PSC Broadband Office - Wireline Broadband Service



AFFIDAVIT OF ADAM CRAIG

STATE OF WISCONSIN)
) ss.
COUNTY OF BROWN)

I, the undersigned, being duly sworn, state as follows:

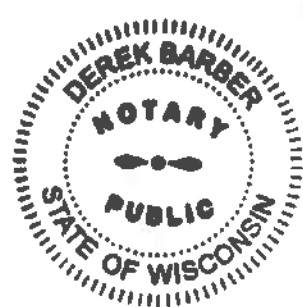
1. I am an adult resident of the State of Wisconsin and a radio-frequency engineer employed by Bug Tussel Wireless, LLC and Cloud 1, LLC.
2. I make this affidavit in support of Cloud 1, LLC's application to the Town of Primrose and Dane County to construct a new communications tower located at: Tax Key Number: 050729190007 and 080729295001(Owned by: Jeffrey and Beverly Webber, 9108 Ridge Road, Mt. Horeb, WI 53572)
3. Bug Tussel Wireless, LLC is a duly licensed mobile service provider and shall be the anchor tenant on the Cloud 1, LLC tower proposed property.
4. One of my job responsibilities is to design and direct the placement of the Bug Tussel Wireless antenna facilities throughout its entire service network.
5. I have performed a review of the existing tower structures within one and one half (1.5) miles of the proposed tower location, and I have found that there are no collocation prospects for Bug Tussel Wireless, LLC. The attached RF analysis supports my findings.
6. The proposed site will have Bug Tussel Wireless fixed internet services.
7. As part of this affidavit, I will include an RF Analysis which shows the following about the Bug Tussel Wireless fixed wireless internet service using Cambium equipment:
 - a) A propagation model of our existing network of towers including Bug Tussel Wireless Cambium service at 5.2 GHz without the proposed Primrose tower included.
 - b) A propagation model of the same Bug Tussel Wireless Cambium towers with the proposed Primrose tower broadcasting 3.65 GHz at the 189 ft RAD center needed for proper coverage.
 - i. We place Bug Tussel Wireless services at 6 ft below the top of the tower at the top RAD center position, to allow it the maximum visibility possible as it is a line-of-sight product. That makes a 195 ft tower have a Bug Tussel Wireless antenna height of 189 ft.
 - c) A propagation model of the proposed Primrose tower broadcasting 3.65 GHz at the 189 ft RAD center alone, and another showing this in more detail.

Adam Craig
(Signature)
Adam Craig

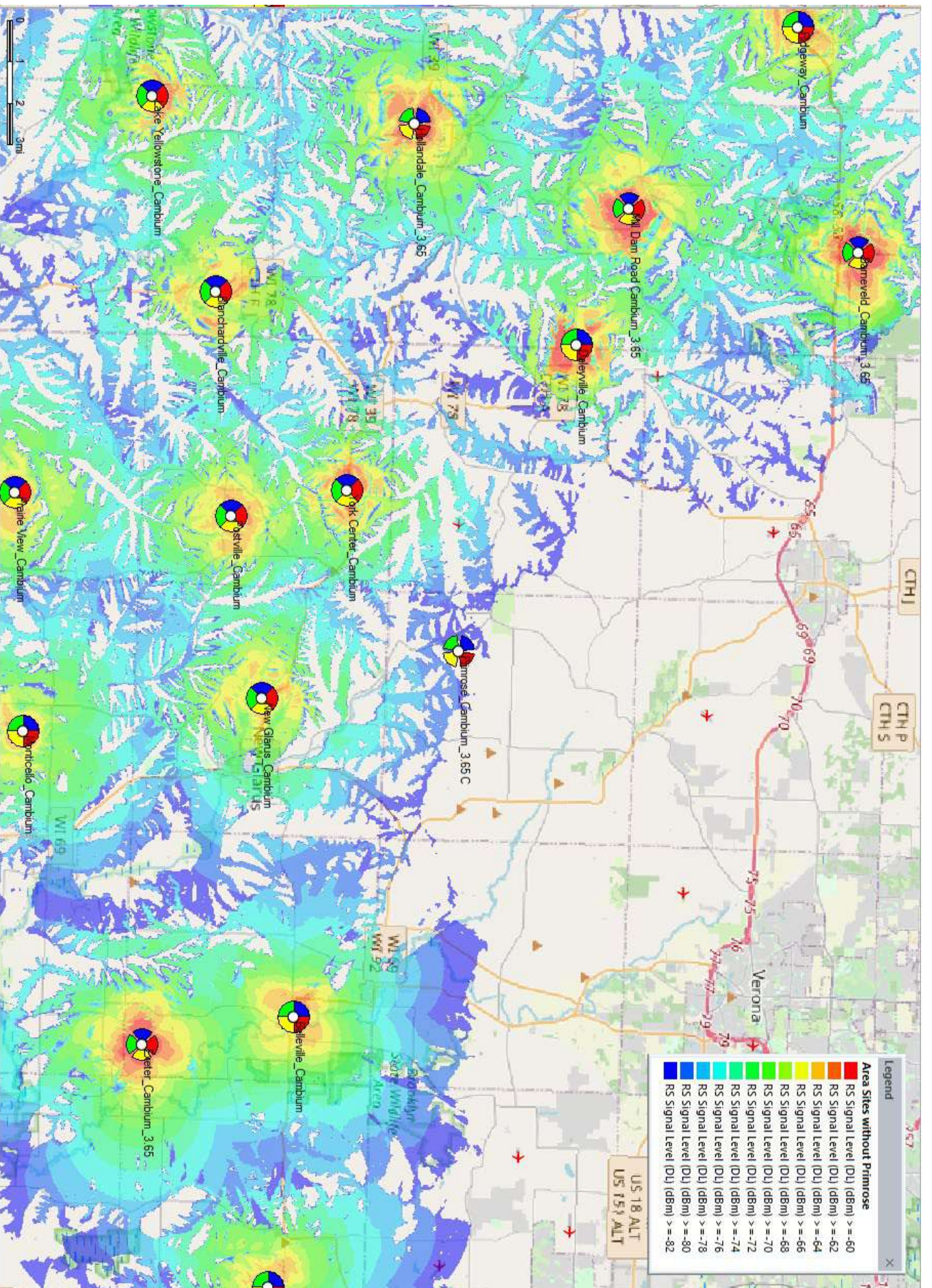
8-10-21
(Date)

Subscribed and sworn to before me
this 10 day of August, 2021.

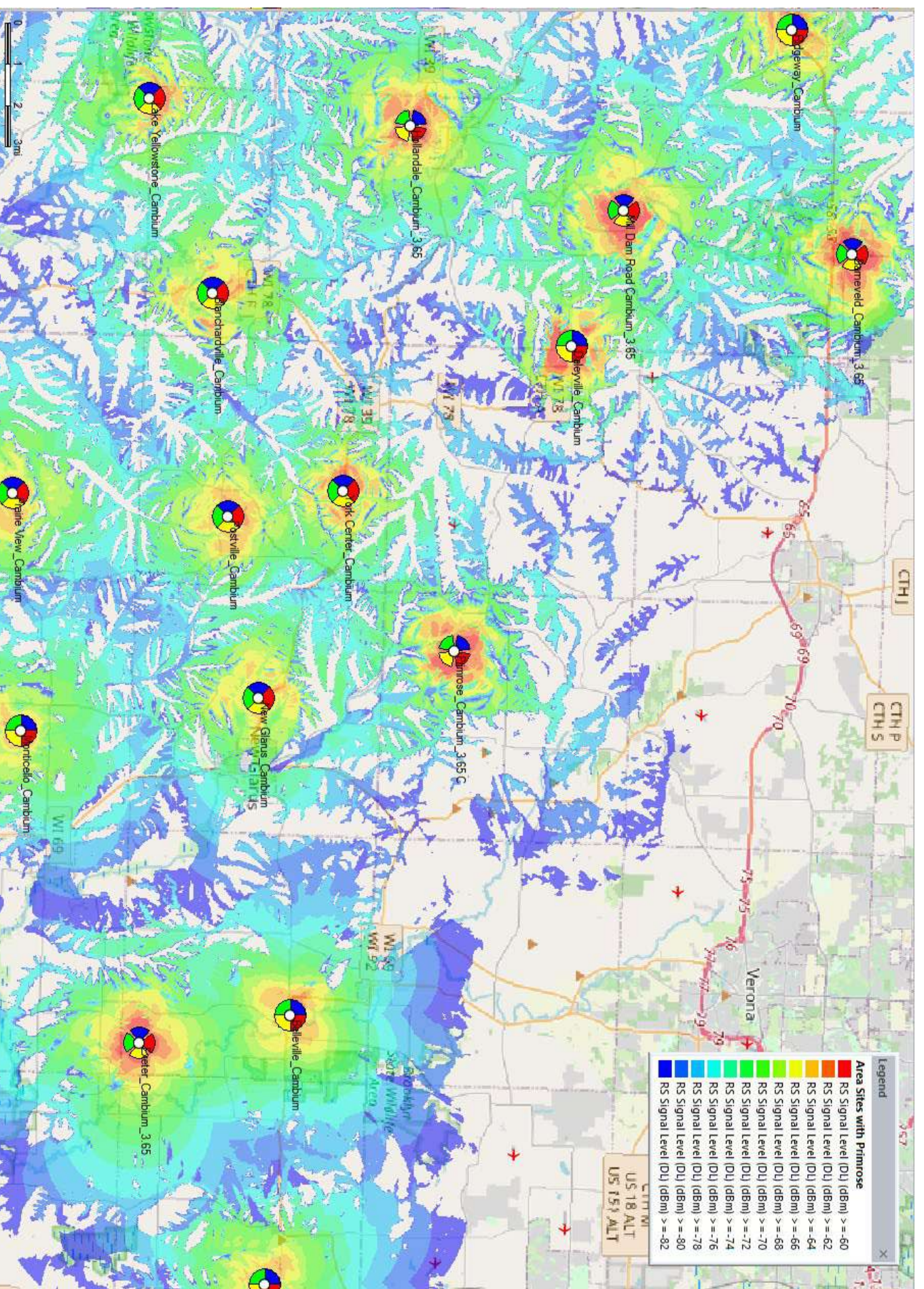
Derek Barber, Notary Public
Brown County, Wisconsin
My Commission Expires Permanent

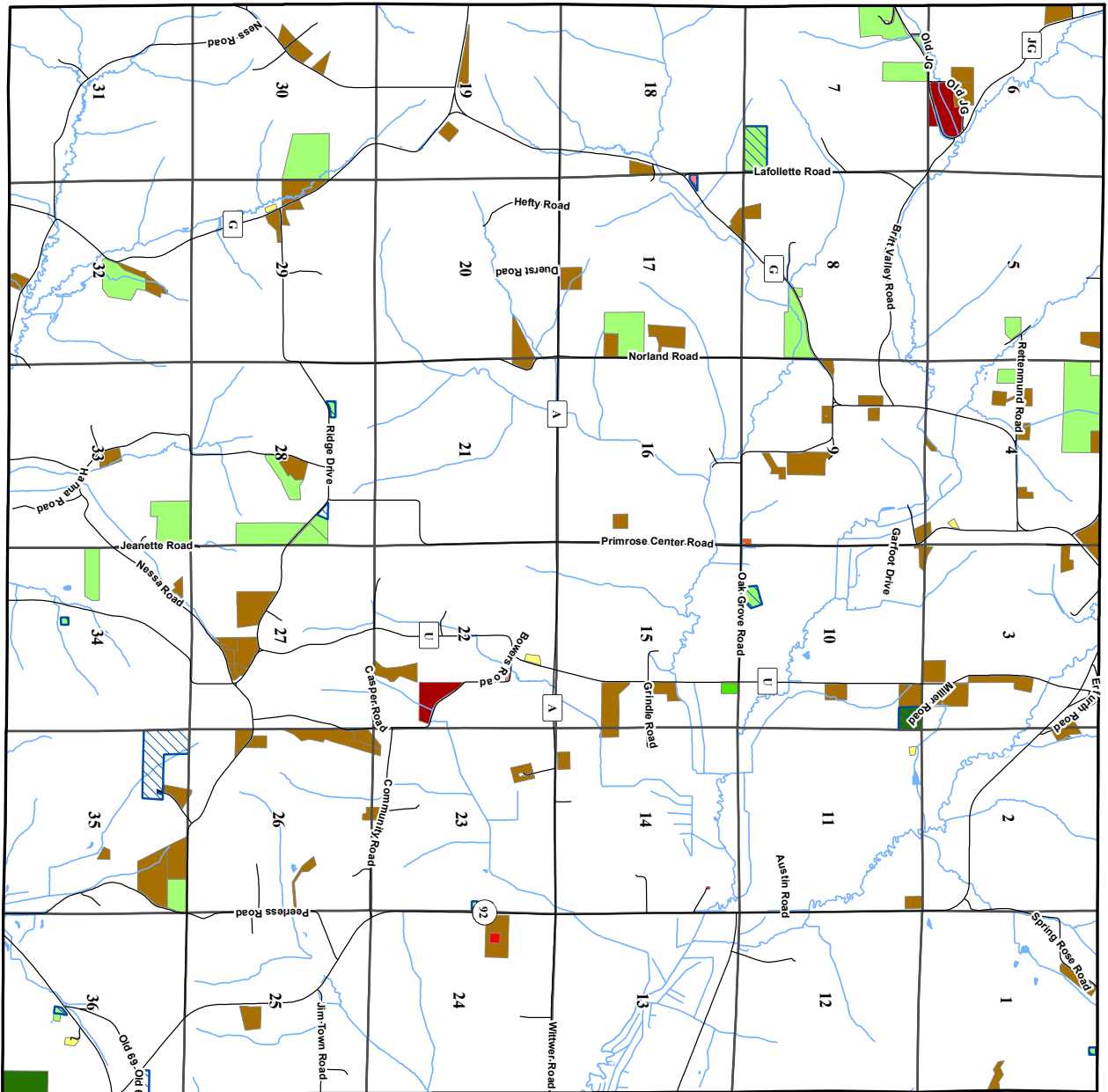


Primrose Area Sites Without Primrose Bug Tussel Cambium Coverage:



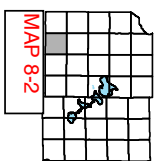
Primrose Area Sites with Primrose Bug Tussel Cambium Coverage:





Town of Primrose

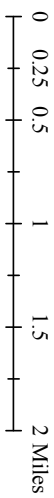
Zoning



DRAFT

- Zoning District**
- A-1 or A-LEX Agricultural
 - A-2, A-2(1), A-2(2), A-2(4), A-2(8), A-3 Agricultural
 - A-B Agricultural Business
 - B-1 Local Business
 - C-1 Light Commercial
 - C-2 Heavy Commercial
 - CO-1 Conservancy
 - EXP-1 Expo
 - LC-1 Limited Commercial
 - M-1 Industrial
 - R-1, R-1A, R-2, R-3
 - R-3A, R-4
 - RE-1 Recreational
 - RH-1, RH-2, RH-3, RH-4
 - Wetland (zoned out of)
 - Effective Conditional Use Permits

Nov., 2008



Source Info:
Zoning: 06/2008 (DCPD)

This map was prepared through the Dane County Department of Planning and Development in conjunction with the Dane County Land & Water Resources Department, Dane County Land Information Office and the Dane County Community Analysis & Planning Division.

**TOWN OF PRIMROSE
PUBLIC HEARING
BOARD OF SUPERVISORS AND PLANNING COMMISSION
Agenda
TUESDAY, September 7th, 7:00 pm**

THIS MEETING WILL BE HELD BY TELECONFERENCE.
DIAL (978) 990-5000 Access Code 489-616 to attend.

During the meeting: To mute your phone *6 To unmute *6

1. Call to Order
2. Discussion regarding approval of a Conditional Use Permit for a wireless communications tower on parcel 0507-292-8000-8, owned by Jeffrey L. Webber and located at 9108 Ridge Drive, Mount Horeb.
3. Adjournment

Open Meetings Notice: If this meeting is attended by one or more members of a Township governmental body who are not members of the body identified in this notice, their attendance may create a quorum under Wisconsin Open Meetings Law; However, no formal action will be taken by any governmental body at the above stated meeting other than the body identified in this meeting notice.

**TOWN OF PRIMROSE
PUBLIC HEARING
BOARD OF SUPERVISORS AND PLANNING COMMISSION
Minutes
TUESDAY, September 7th, 7:00 pm**

THIS MEETING HELD BY TELECONFERENCE.

1. Call to Order at 7:08 pm. Dale called the meeting to order. Gretchen Hayward, Martha Gibson, Jerry Judd, and Lynn Pitman were also on the call.
2. Discussion regarding approval of a Conditional Use Permit for a wireless communications tower on parcel 0507-292-8000-8, owned by Jeffrey L. Webber and located at 9108 Ridge Drive, Mount Horeb.

Gary Hensue and Adam Craig represented Bug Tussel at the meeting.

Dale explained that the site view had happened on August 28th. Gretchen explained that only Martha and Gretchen had attended for the Planning Commission, but the Board was okay as Martha and Dale were there.

Gretchen thought that it was a better site than the last one presented, and that public comments should be heard.

Martha agreed, as it is not in agricultural land. Arial photos show that it likely has not been cropped, but further research would need to be done. Although it aligns better with the Primrose Land Use Plan she would like to see what the County says.

Gretchen asked to see what better coverage Primrose residents would have.

Dale asked for public comments.

Jeff Lahey stated that he did not have a problem with it. It is not in ag land and doesn't have guy wires into the ag land. He estimated it to be 100' west of the house, and in an old hog pasture and dog area.

Jerry asked where the control room would be. Gary Hensue stated that the only controls would be in a 6'x8' metal cabinet at the base of the tower.

Open Meetings Notice: If this meeting is attended by one or more members of a Township governmental body who are not members of the body identified in this notice, their attendance may create a quorum under Wisconsin Open Meetings Law; However, no formal action will be taken by any governmental body at the above stated meeting other than the body identified in this meeting notice.

**TOWN OF PRIMROSE
PUBLIC HEARING
BOARD OF SUPERVISORS AND PLANNING COMMISSION
Minutes
TUESDAY, September 7th, 7:00 pm**

Lynn Pitman asked if the coverage was the same as the last proposal. Gary Hensue stated that the coverage would be approximately the same.

Lynn asked if they increase the height of the tower, then a light would have to be put on it. This would not be part of the town review. Gary stated that they have no plans to increase the height of the tower. A different tower design would have to be in place to increase the height.

Jerry asked what the coverage is. Adam stated that it would be about 3.5 miles of wireless internet coverage, dependent on terrain. It would cover 28.8 square miles total and reach about 720 people according to their estimate.

Adam further explained that it is internet coverage, not a phone company. An antenna on a house is pointed at the tower, the tower interacts with a satellite. This is called "Point-multi point". It is not a cell phone plan. The system uses line-of-site and would require a signal test prior to subscription.

The people would have to subscribe to Bug Tussel to get the service. There is no intermediate company. Bug Tussel will be marketing in the area once the service is up.

Dale pointed out that competition in the area may lower prices.

Gretchen suggested that fiber optics are great, IF you can get it wired to your house. Many people don't have that. Adam concurred.

Lynn asked the speeds they expect to be able to offer. Adam stated that they have various plans; lowest being upload of 1mb, download of 2, and the highest being upload 5, download of 25mb.

Martha questioned the plan if in 10 years the tower is obsolete. Adam stated that there is a Wisconsin requirement of posting a 20K bond to cover

Open Meetings Notice: If this meeting is attended by one or more members of a Township governmental body who are not members of the body identified in this notice, their attendance may create a quorum under Wisconsin Open Meetings Law; However, no formal action will be taken by any governmental body at the above stated meeting other than the body identified in this meeting notice.

**TOWN OF PRIMROSE
PUBLIC HEARING
BOARD OF SUPERVISORS AND PLANNING COMMISSION
Minutes
TUESDAY, September 7th, 7:00 pm**

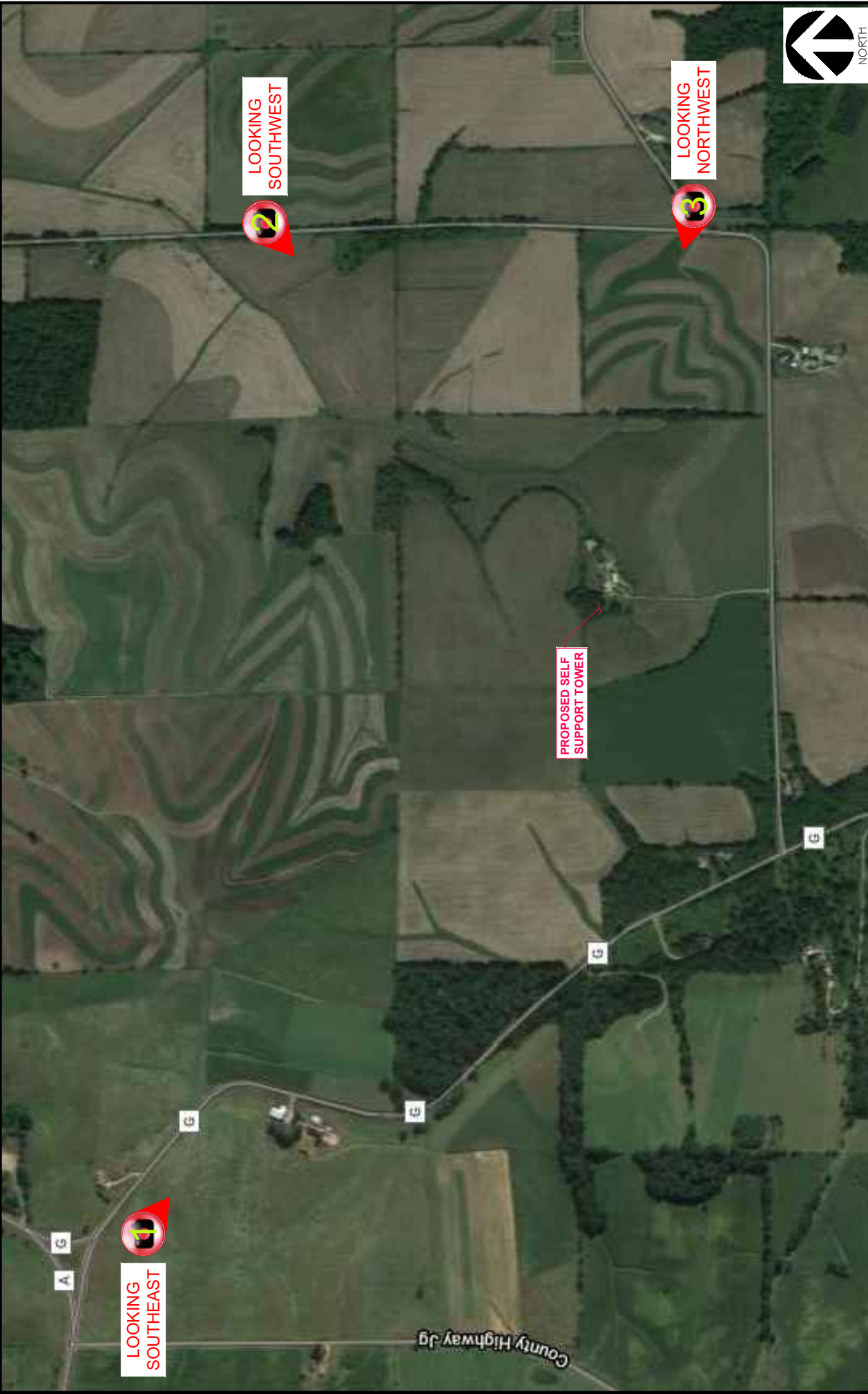
the costs of abandonment. She also asked about screening the lower part of the tower for nearby residents. Adam stated that they would consider some screening if it was needed.

Lynn asked about the issue of distance of tower to residents (exposure to RF frequencies). Adam said their system uses “non-ionizing radiation” like cell phones, and radio waves.

Martha expects that there needs to be no other hearing, but probably joint vote after the County gives Primrose their review. The review needs to be done within 90 days of the BT submission. Gary estimates that it will be a month or two before they will file with the County.

3. Adjournment: Dale asked for a motion to adjourn at 7:53 pm. Martha moved to adjourn. Gretchen seconded. The motion passed unanimously.

Minutes submitted by Ruth Hansen



<p>cloud1 <small>INC</small></p> <p>417 PINE STREET GREEN BAY, WI 54301 PH.: (920) 940-0147</p>		<p>RAMAKER employee-owned (608) 643-4100 www.ramaker.com</p>	
<p>SHEET TITLE: PHOTO RENDERING/SIMULATION LOCATION MAP</p>		<p>PROJECT TITLE: PRIMROSE</p>	
<p>PROJECT NUMBER: 42804</p>		<p>PROJECT LOCATION: 9108 RIDGE DRIVE MT. HOREB, WI 53572</p>	


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<p>cloud <small>INC</small></p> <p>417 PINE STREET GREEN BAY, WI 54301 PH.: (920) 940-0147</p>		<p>RAMAKER employee-owned (608) 643-4100 www.ramaker.com</p>	
<p>SHEET TITLE: BEFORE PHOTO RENDERING/SIMULATION - LOOKING SOUTHEAST</p>			
<p>PROJECT TITLE: PRIMROSE</p>			
<p>PROJECT NUMBER: 42804</p>			
<p>PROJECT LOCATION: 9108 RIDGE DRIVE MT. HOREB, WI 53572</p>			

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<p>SHEET TITLE: BEFORE PHOTO RENDERING/SIMULATION - LOOKING SOUTHWEST</p>			
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<p>SHEET TITLE: BEFORE PHOTO RENDERING/SIMULATION - LOOKING NORTHWEST</p> <p>PROJECT TITLE: PRIMROSE</p> <p>PROJECT NUMBER: 42804</p> <p>PROJECT LOCATION: 9108 RIDGE DRIVE MT. HOREB, WI 53572</p>	 <p>417 PINE STREET GREEN BAY, WI 54301 PH.: (920) 940-0147</p>	 <p>RAMAKER employee-owned (608) 643-4100 www.ramaker.com</p>
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<p>SHEET TITLE: AFTER PHOTO RENDERING/SIMULATION - LOOKING NORTHWEST</p>	
<p>PROJECT TITLE: PRIMROSE</p>	
<p>PROJECT NUMBER: 42804</p>	
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Primrose - Distance to Homes From Proposed Tower Site

No.	Parcel #	Landowner	Address	Feet
1	050719495000	Jerry Judd	9092 County Highway G	4,252
2	050720480004	Roger A Stoll & Donna J Stoll	685 Norland Road	4,419
3	050728291954	Jerold O Berge	8955 Ridge Drive	3,129
4	050728290019	Gary W Berge & Carrie J Berge	8941 Ridge Drive	3,361
5	050729190007	Jeffrey L Webber & Beverly A Webber	9108 Ridge Drive	198
6	050729380016	Danny R Olson & Patty A Olson	9201 County Highway G	2,351
7	050729385557	Oldroyd Rev Living Trust, Charles & Nancy	9190 County Highway G	2,417
8	050729389802	Kenneth W Brunner & Cynthia Brunner	9171 Ridge Drive	1,879
9	050729480006	David A Sponem	9021 Ridge Drive	2,319
10	050729291309	Jeffrey J Lahey & Mindy A Lahey	9110 County Highway G	2,466
11	050729292004	Jeremy J Lincicum & Teresa L Lincicum	9137 County Highway G	1,960
12	050729390005	Scott A Williams	9214 County Highway G	3,551
13	050730480003	Christopher C Rayne & Claudia A Rayne	9200 County Highway G	2,905
14	050721290002	Karl E Whisler & Kimberly A Meyer	734 Norland Road	5,294

Primrose Communications Tower

Yellow Circle is 4,500' Radius



November 12, 2021

Ms. Alicia Broeren
Bug Tussel Wireless, LLC / Cloud1, LLC
130 Walnut St.
Suite 306
Green Bay, WI 54305 - 1060



B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630
btwo@btgrp.com

Subject:	Fall Certification Letter	
Arcosa Designation:	Arcosa Project Number:	9257
	Arcosa Site Name:	Primrose, WI
Engineering Firm Designation:	B+T Group Project Number:	159125.001.01
Site Data:	Primrose, WI	
	195' Foot – Self Support Tower	

To Whom it May Concern:

As Requested by Arcosa Telecom Structures on behalf of Bug Tussel Wireless, LLC / Cloud1, LLC, B+T Group is pleased to submit this "Fall Certification Letter" for the 195' self-support tower to be constructed at the **Primrose, WI** site.

This tower will be designed in accordance with the TIA 222-G standard for Dane County, WI. The tower will be designed to support antennas and transmission lines for three wireless carriers. The design criteria are more particularly described as follows:

Design Wind Speed: 90mph 3-sec gust (no ice), 40mph 3-sec gust (1/2" ice)
Structure Class: II
Exposure Category: C
Topographic Category: 1

190'—Wireless Carrier 1 (CaAa= 150 Sq. Ft.) w/ (12) 1 5/8" transmission lines
180'—Wireless Carrier 2 (CaAa= 200 Sq. Ft.) w/ (12) 1 5/8" transmission lines
170'—Wireless Carrier 3 (CaAa= 150 Sq. Ft.) w/ (12) 1 5/8" transmission lines
160'—Wireless Carrier 4 (CaAa= 150 Sq. Ft.) w/ (12) 1 5/8" transmission lines

Currently it is our understanding that this structure be designed such that, if a failure were to occur, the tower would fall within a radius of 97.5' from the base of the structure. It should be understood that communication structures are designed in accordance with strict structural standards and it is extremely rare that well maintained towers fail under normal operational conditions. However, in the highly unlikely event that this tower were to experience operational failure, the failure mode would most likely be compression buckling. In a compression buckling failure, it is reasonable to assume a structure of this type would most likely collapse and fall on itself within a radius of 97.5' from the base of the tower. It should be understood that this opinion does not consider unpredictable extreme catastrophic events for which the structure is not designed. However, any damage to surrounding property caused by the tower failing during such an event would be relatively insignificant when compared to the damage caused to the surrounding property by the event itself.

I hope this letter satisfies your concerns. Please let me know if I may be of further assistance.

Letter prepared by: Angela Ashwood
Submitted by: B+T Engineering, Inc.
Brad Milanowski, P.E.



Subject: RE: Cell Tower
Date: Monday, July 20, 2020 at 5:23:34 PM Central Daylight Time
From: Allan, Majid <Allan@countyofdane.com>
To: Gary Henshue <Gary.Henshue@bugtusselwireless.com>
CC: Jay Wendt <Jay.Wendt@bugtusselwireless.com>

WARNING: This message is from an external sender. DO NOT open attachments or click links in this message until you have verified the authenticity of the sender!

Hi Gary,

The county is waiving this requirement for new tower apps. We provide notification to other carriers upon request and the county's legislative tracking system has made application information more readily available to the public and other interested parties. The intent of the requirement was to try and promote collocation.

Thanks,
Majid

Please note that the Dane County Planning & Development Department office is currently closed in response to the COVID-19 pandemic.

Staff are working remotely and can be reached via email during regular business hours.
This is the best way to communicate with me.
I will also check my work phone voicemail intermittently throughout business hours.

More information and updates can be found on our website: danecountyplanning.com

Majid Allan
Senior Planner, Dane County Planning & Development
210 Martin Luther King Jr. Blvd, room 116
Madison, WI 53703
allan@countyofdane.com / 608-267-2536

From: Gary Henshue <Gary.Henshue@bugtusselwireless.com>
Sent: Monday, July 20, 2020 2:35 PM
To: Allan, Majid <Allan@countyofdane.com>
Cc: Jay Wendt <Jay.Wendt@bugtusselwireless.com>
Subject: Cell Tower

CAUTION: External Email - Beware of unknown links and attachments. Contact Helpdesk



417 Pine Street P.O. Box 1060 Green Bay, WI 54301

November 15, 2021

Cardinal Ridge Airport
Attn: Steven Meassick
650 Perry Center Rd
Mt Horeb, WI 53572

Steven,

Per Dane County Regulations this letter is to serve as notification of a proposed wireless facility and tower being proposed at coordinates 42.882842, -89.6918 approximately 3.05 miles to the east of your location.

The site will be reviewed soon by Dane County Zoning for a Conditional Use Permit.

Thank you,

A handwritten signature in black ink, appearing to read "Gary Henshue", written over a horizontal line.

Gary Henshue
Business Development Representative
Bug Tussel Wireless
608.335.0151

[Airports](#)
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[Aviation Fuel](#)
[Hotels](#)
[iPhone App](#)
[My AirNav](#)
1531 users online [LOGIN](#)

WI24 Cardinal Ridge Airport

Mount Horeb, Wisconsin, USA



GOING TO MOUNT HOREB?



[Reserve a Hotel Room](#)

FAA INFORMATION EFFECTIVE 04 NOVEMBER 2021

Location

FAA Identifier: WI24

Lat/Long: 42-52-52.0000N 089-45-08.0000W

42-52.866667N 089-45.133333W

42.8811111, -89.7522222

(estimated)

Elevation: 1080 ft. / 329 m (estimated)

Variation: 01W ()

From city: 8 miles S of MT HOREB, WI

Time zone: UTC -5 (UTC -6 during Standard Time)

Zip code: 53572



Road maps at: [MapQuest](#) [Bing](#) [Google](#)

Aerial photo

No photo available

If you have an aerial photo of this airport that you would like to share with other users of AirNav.com, click here to [send us your photo](#).

Airport Operations

Airport use: Private use. Permission required prior to landing

Activation date: 12/2000

Control tower: no

ARTCC: CHICAGO CENTER

FSS: GREEN BAY FLIGHT SERVICE STATION

Attendance: UNATNDD

Segmented circle: no

Airport Communications

WX AWOS-3 at C29 (17 nm NE): 118.675 (608-833-1686)

WX AWOS-3 at EFT (17 nm SE): 118.375 (608-328-8359)

Nearby radio navigation aids

VOR radial/distance

[MSN](#)r226/24.0

VOR name Freq Var

MADISON VORTAC 108.60 03E

Sectional chart

[JVL](#)r301/34.5

JANESVILLE VOR/DME 114.30 03E

Airport Services

Runway Information

Runway 3/21

Dimensions: 1370 x 75 ft. / 418 x 23 m

Surface: turf, in good condition

RUNWAY 3 RUNWAY 21

Traffic pattern: left left

Airport Ownership and Management from official FAA records

Ownership: Privately-owned

Owner: STEVEN MEASSICK
650 PERRY CENTER RD
MT HOREB, WI 53572
Phone 608-832-0578

Manager: STEVEN MEASSICK
650 PERRY CENTER RD
MT HOREB, WI 53572
Phone 608-832-0578

Airport Operational Statistics

Aircraft based on the field: 2

Single engine airplanes: 1

Ultralights: 1

Additional Remarks

- FOR CD CTC CHICAGO ARTCC AT 630-906-8921.

Instrument Procedures

There are no published instrument procedures at WI24.

Some nearby airports with instrument procedures:

[C29](#) - Middleton Municipal Airport - Morey Field (17 nm NE)[KEFT](#) - Monroe Municipal Airport (17 nm SE)[KMRJ](#) - Iowa County Airport (21 nm W)[KMSN](#) - Dane County Regional Airport-Truax Field (24 nm NE)[91C](#) - Sauk/Prairie Airport (25 nm N)

Airport distance calculator

Flying to Cardinal Ridge Airport? Find the distance to fly.

From to WI24[▶ CALCULATE DISTANCE](#)

Sunrise and sunset

Times for 15-Nov-2021

	Local (UTC-6)	Zulu (UTC)
Morning civil twilight	06:22	12:22
Sunrise	06:52	12:52
Sunset	16:35	22:35
Evening civil twilight	17:06	23:06

Current date and time

Zulu (UTC)	15-Nov-2021 17:40:00
Local (UTC-6)	15-Nov-2021 11:40:00

METAR

KC29 17nm NE	151715Z AUTO 00000KT 10SM OVC070 00/M06 A3008 RMK AO1 T00021061
KEFT 18nm SE	151715Z AUTO 12003KT 10SM OVC070 M01/M05 A3006 RMK AO2 T10121051
KMRJ 20nm W	151715Z AUTO 12003KT 10SM OVC075 00/M04 A3006 RMK AO2
KMSN 23nm NE	151653Z 00000KT 10SM BKN080 OVC100 00/M07 A3008 RMK AO2 SLP198 T00001072
KLNR 28nm NW	151656Z AUTO 09005KT 10SM OVC080 M01/M04 A3009 RMK AO2 SLP192 T10061044
KPVV 33nm W	151715Z AUTO 12007KT 10SM OVC060 00/M02 A3006 RMK AO1 T00001024

TAF

KMSN 23nm NE	151133Z 1512/1612 27003KT P6SM SCT035 BKN150 FM151500 22004KT P6SM BKN100 FM151700 19005KT P6SM SCT040 BKN060 FM152100 16005KT P6SM OVC045 FM160000 15004KT P6SM BKN120
---------------------------------	--

NOTAMs

[▶ Click for the latest NOTAMs](#)



417 Pine Street P.O. Box 1060 Green Bay, WI 54301

December 9, 2021

Trever Gene Otto
1371 State Road 92
Verona, WI 53593

Trever,

Per Dane County Zoning Regulations this letter is to serve as notification of a proposed wireless facility and tower at coordinates 42.882842, -89.6918 approximately 4.73 miles southwest of your location (Ottos Airport – 88WS).

The proposed tower site will be reviewed at a public hearing in February 2022 by Dane County Zoning for a Conditional Use Permit.

Thank you,

A handwritten signature in black ink, appearing to read "Gary Henshue", written over a horizontal line.

Gary Henshue
Business Development Representative
Bug Tussel Wireless
608.335.0151



88WS Ottos Airport

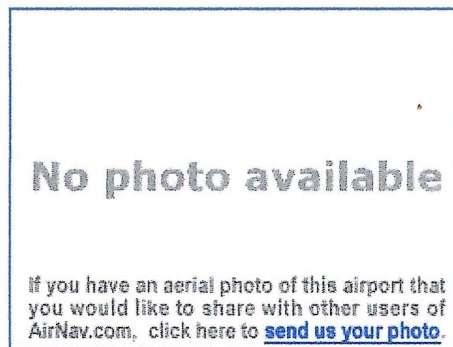
Verona, Wisconsin, USA



FAA INFORMATION EFFECTIVE 02 DECEMBER 2021

[Log](#) | [Ops](#) | [Rwys](#) | [IFR](#) | [FBO](#) | [Links](#)
[Com](#) | [Nav](#) | [Svcs](#) | [Stats](#) | [Notes](#)

Aerial photo



Location

FAA Identifier: 88WS
Lat/Long: 42-55-51.5200N 089-37-29.0950W
42-55.858667N 089-37.484917W
42.9309778,-89.6247486
(estimated)
Elevation: 916.6 ft. / 279 m (estimated)
From city: 5 miles SW of VERONA, WI
Time zone: UTC +0 (year round; does not observe DST)
Zip code: 53508

Airport Operations

Airport use: Private use. Permission required prior to landing
Activation date: 05/2021
Control tower: no
ARTCC: CHICAGO CENTER
FSS: GREEN BAY FLIGHT SERVICE STATION
Attendance:
Segmented circle: no

Airport Communications

CTAF: 122.9
WX AWOS-3 at C29 (12 nm N): 118.675 (608-833-1686)
WX ASOS at MSN (18 nm NE): PHONE 608-249-0615
WX AWOS-3 at EFT (19 nm S): 118.375 (608-328-8359)

Nearby radio navigation aids

VOR radial/distance	VOR name	Freq	Var
MSN r221/17.9	MADISON VORTAC	108.60	03E
JVL r311/32.0	JANESVILLE VOR/DME	114.30	03E
DLL r168/37.7	DELLS VORTAC	117.00	03E

Airport Services

Airport distance calculator

Flying to Ottos Airport? Find the distance to fly.

From to 88WS
[CALCULATE DISTANCE](#)

Sunrise and sunset

Times for 09-Dec-2021

	Zulu (UTC)
Morning civil twilight	12:47
Sunrise	13:19
Sunset	22:23
Evening civil twilight	22:55

Current date and time

Zulu (UTC) 09-Dec-2021 16:14:35

METAR

[KC29](#) 091555Z AUTO 14009KT 10SM
12nm N SCT038 OVC048 01/M05 A2968 RMK
AO1 T00091052
[KMSN](#) 091553Z 13011KT 10SM BKN045
17nm NE OVC055 01/M06 A2968 RMK AO2
SLP061 VIRGA OHD T00061056
[KEFT](#) 091555Z AUTO 14011G21KT 10SM
20nm S BKN050 BKN065 01/M05 A2965 RMK
AO2 T00071047

TAF

[KMSN](#) 091121Z 0912/1012 13011G19KT
17nm NE P6SM OVC100 FM091300
14011G19KT P6SM VCSH OVC100
FM091500 14011G22KT 5SM -SHSN

Runway Information

Runway 9/27

Dimensions: 900 x 65 ft. / 274 x 20 m

Surface: turf

RUNWAY 9 **RUNWAY 27**

Latitude: 42-55.861167N 42-55.856167N

Longitude: 089-37.585667W 089-37.384167W

Elevation: 914.0 ft. 915.7 ft.

Traffic pattern: left left

Runway heading: 092 true 272 true

NOTAMs

▼ [Click for the latest NOTAMs](#)

NOTAMs are issued by the DoD/FAA and will open in a separate window not controlled by AirNav.

Airport Ownership and Management from official FAA records

Ownership: Privately-owned

Owner: TREVER GENE OTTO

1371 STATE RD 92

VERONA, WI 53593

Phone 920-740-6495

Manager: TREVER GENE OTTO

1371 STATE RD 92

VERONA, WI 53593

Phone 920-740-6495

Airport Operational Statistics

Aircraft based on the field: 4

Single engine airplanes: 1

Multi engine airplanes: 1

Helicopters: 1

Gliders airplanes: 1

Instrument Procedures

There are no published instrument procedures at 88WS.

Some nearby airports with instrument procedures:

[C29](#) - Middleton Municipal Airport - Morey Field (12 nm N)

[KMSN](#) - Dane County Regional Airport-Truax Field (18 nm NE)

[KEFT](#) - Monroe Municipal Airport (19 nm S)

[87Y](#) - Blackhawk Airfield (22 nm NE)

[91C](#) - Sauk/Prairie Airport (23 nm N)

Would you like to see your business listed on this page?

If your business provides an interesting product or service to pilots, flight crews, aircraft, or users of the Ottos Airport, you should consider listing it here. To start the listing process, click on the button below

▶ [ADD YOUR BUSINESS OR SERVICE](#)



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2021-AGL-22082-OE

Issued Date: 08/27/2021

Alicia Broeren
Cloud 1, LLC
417 Pine St.
Floor 2
Green Bay, WI 54305

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Antenna Tower Primrose - Dane-5070 (42804)
Location: Mount Horeb, WI
Latitude: 42-52-58.23N NAD 83
Longitude: 89-41-30.48W
Heights: 1102 feet site elevation (SE)
199 feet above ground level (AGL)
1301 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

This determination expires on 02/27/2023 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO

SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Communications Commission (FCC) because the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at (816) 329-2525, or natalie.schmalbeck@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2021-AGL-22082-OE.

Signature Control No: 491721690-492936752

(DNE)

Natalie Schmalbeck
Technician

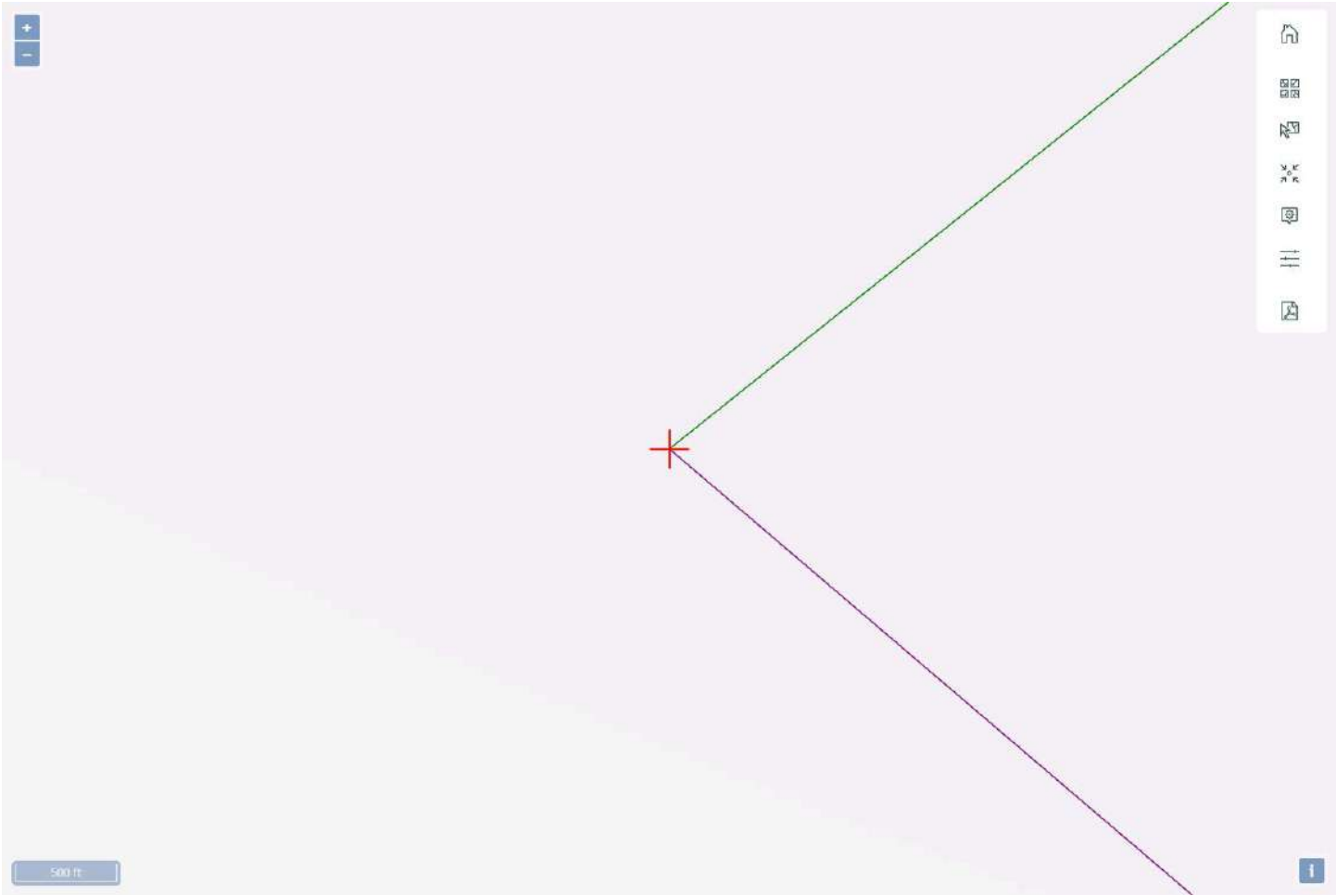
Attachment(s)
Frequency Data
Map(s)

cc: FCC

Frequency Data for ASN 2021-AGL-22082-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
6	7	GHz	55	dBW
6	7	GHz	42	dBW
10	11.7	GHz	55	dBW
10	11.7	GHz	42	dBW
17.7	19.7	GHz	55	dBW
17.7	19.7	GHz	42	dBW
21.2	23.6	GHz	55	dBW
21.2	23.6	GHz	42	dBW
614	698	MHz	1000	W
614	698	MHz	2000	W
698	806	MHz	1000	W
806	901	MHz	500	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
929	932	MHz	3500	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1670	1675	MHz	500	W
1710	1755	MHz	500	W
1850	1910	MHz	1640	W
1850	1990	MHz	1640	W
1930	1990	MHz	1640	W
1990	2025	MHz	500	W
2110	2200	MHz	500	W
2305	2360	MHz	2000	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W
2496	2690	MHz	500	W

Verified Map for ASN 2021-AGL-22082-OE





**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
ANTENNA STRUCTURE REGISTRATION**



OWNER: Cloud 1

FCC Registration Number (FRN): 0018139824

ATTN: Derek Barber Cloud 1 417 Pine St. Floor 2 Green Bay, WI 54301	Antenna Structure Registration Number		1320815
	Issue Date		10-06-2021
Location of Antenna Structure along Ridge Drive Mount Horeb, WI 53572 County: DANE	Ground Elevation (AMSL)		335.9 meters
	Overall Height Above Ground (AGL)		60.6 meters
Latitude 42- 52- 58.2 N	Longitude 089- 41- 30.5 W	NAD83	Overall Height Above Mean Sea Level (AMSL) 396.5 meters
Center of Array Coordinates N/A			Type of Structure LTOWER Lattice Tower
FAA Chapters NONE			

This registration is effective upon completion of the described antenna structure and notification to the Commission. **YOU MUST NOTIFY THE COMMISSION WITHIN 24 HOURS OF COMPLETION OF CONSTRUCTION OR CANCELLATION OF YOUR PROJECT, please file FCC Form 854.** To file electronically, connect to the antenna structure registration system by pointing your web browser to <http://wireless.fcc.gov/antenna>. Electronic filing is recommended. You may also file manually by submitting a paper copy of FCC Form 854. Use purpose code "NT" for notification of completion of construction; use purpose code "CA" to cancel your registration.

The Antenna Structure Registration is not an authorization to construct radio facilities or transmit radio signals. It is necessary that all radio equipment on this structure be covered by a valid FCC license or construction permit.

You must immediately provide a copy of this Registration to all tenant licensees and permittees sited on the structure described on this Registration (although not required, you may want to use Certified Mail to obtain proof of receipt), and display your Registration Number at the site. See reverse for important information about the Commission's Antenna Structure Registration rules.

FCC 854R
June 2012

You must comply with all applicable FCC obstruction marking and lighting requirements, as set forth in Part 17 of the Commission's Rules (47 C.F.R. Part 17). These rules include, but are not limited to:

- **Posting the Registration Number:** The Antenna Structure Registration Number must be displayed in a conspicuous place so that it is readily visible near the base of the antenna structure. Materials used to display the Registration Number must be weather-resistant and of sufficient size to be easily seen at the base of the antenna structure. Exceptions exist for certain historic structures. See 47 C.F.R. 17.4(g)-(h).
- **Inspecting lights and equipment:** The obstruction lighting must be observed at least every 24 hours in order to detect any outages or malfunctions. Lighting equipment, indicators, and associated devices must be inspected at least once every three months.
- **Reporting outages and malfunctions:** When any top steady-burning light or a flashing light (in any position) burns out or malfunctions, the outage must be reported to the nearest FAA Flight Service Station, unless corrected within 30 minutes. The FAA must again be notified when the light is restored. The owner must also maintain a log of these outages and malfunctions.
- **Maintaining assigned painting:** The antenna structure must be repainted as often as necessary to maintain good visibility.
- **Complying with environmental rules:** If you certified that grant of this registration would not have a significant environmental impact, you must nevertheless maintain all pertinent records and be ready to provide documentation supporting this certification and compliance with the rules, in the event that such information is requested by the Commission pursuant to 47 C.F.R. 1.1307(d).
- **Updating information:** The owner must notify the FCC of proposed modifications to this structure; of any change in ownership; or, within 30 days of dismantlement of the structure.

Copies of the Code of Federal Regulations (which contain the FCC's antenna structure registration rules, 47 C.F.R. Part 17) are available from the Government Printing Office (GPO). To purchase CFR volumes, call (202) 512-1800. For GPO Customer Service, call (202) 512-1803. For additional FCC information, consult the Antenna Homepage on the internet at <http://wireless.fcc.gov/antenna> or call (877) 480-3201 (TTY 717-338-2824).