Dane County Conditional Use Permit Application

Application Date	C.U.P Number	
10/30/2020	DCPCUP-2020-02512	
Public Hearing Date		
01/26/2021		

OWNER	INFORMATION				AGENT INFORMATION	ON	
OWNER NAME JEFFREY L WEBBER Phone with Area Code (608) 832-627			_ BUG	AGENT NAME BUG TUSSEL WIRELESS / CLOUD 1, LLC Phone with Are (608) 335-			
BILLING ADDRESS (Number, Street) 9108 RIDGE DR			ADDF 417	ADDRESS (Number, Street) 417 PINE STREET			
(City, State, Zip) MT HOREB, WI 53572				(City, State, Zip) Green Bay, WI 54301			
E-MAIL ADDRESS				AL ADDRESS v.henshue@bug	tusselwireless.com	•	
ADDRESS/LOCA	TION 1	ADDRESS/	LOCAT	ION 2	ADDRESS/LO	CATION 3	
ADDRESS OR LOCATION OF CUP		ADDRESS OR	ADDRESS OR LOCATION OF CUP		ADDRESS OR LOCATION OF CUP		
9108 Ridge Dr			4		9108 Ridge Dr		
TOWNSHIP PRIMROSE	SECTION 29	TOWNSHIP		SECTION	TOWNSHIP Primrose	SECTION 29	
PARCEL NUMBERS IN	NVOLVED	PARCEL NU	MBERS I	NVOLVED	PARCEL NUMBERS INVOLVED		
0507-292-800	0-8				0507-291-8500-4		
		CUP DE	ESCRIP	TION			
195' telecommunication to	ower (guyed)						
	DANE CO	OUNTY CODE OF OF	RDINAN	CE SECTION		ACRES	
10.103(9)					, r	0.4	
		DEED RESTRICTI REQUIRED?	ION	Inspectors Initials	SIGNATURE:(Owner or Ag	gent)	
		10	No	AMA1	Cloud 1, LLI	C/Bug Tuss	
OOMMENTO, OUR AREA	INOLUDEO 4	Applicant Initials		ND	The state of the s	nshue	
COMMENTS: CUP AREA EASEMENT AREAS FOF					DATE:		
					10/30/2	0	
					F	Form Version 01.00.03	



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

		CONDITI	ONAL USE	PERMIT A	PPLICA	TION		
			APPLICAN	T INFORMATI	ON			
Property Owner Name: Jeffrey & Beverly Web		Webber	ober Agent Name:		Bug Tusse	el Wireless/Cloud 1, LLC		
Address (Number & Street): 9108 Ridge Road			Address (Numb	er & Street):	417 Pine S	Street		
Address (Ci	ty, State, Zip):	Mt. Horeb, WI 53	572	Address (City, Sta		Green Bay	, WI 54301	
Email Addr	ess:	None		Email Address:		gary.henshue@bugtusselwireless.c		
Phone#:		608-832-6279		Phone#:		608-335-0	151	
	Nasalach		SITE IN	IFORMATION				
Township:	Primrose		Parcel Number	er(s):	29185004	, 29190007	, 29280008, 29295001	
Section:	29		Property Add	ress or Location:	9108 Ridg	e Road, Mt.	. Horeb, WI 53572	
Existing Zor	ning: FP-35	Proposed Zoning: FP	-35 CUP Code Sec	ction(s):				
	KAUT IVE 1917	DESC	CRIPTION OF PRO	OPOSED CONI	DITIONAL U	JSE		
Provide a s Bug Tusse WI 53572 parcels fo	el Wireless/0 . The comm r the tower s	ions tower. led description of the pro Cloud 1, LLC is propo- cunication facility and	osing to build a / tower are on a 4 rance are 048-05	guyed com 10- acre parce 507-291-8500-	l(s) owned -4, 048-050	by Jeffrey 8 7-291-9000	9108 Ridge Drive, Mt. Horeb, & Beverly Webber. The 0-7, 048-0507-292-8000-8 m Ridge Drive.	
			GENERAL APPLIC	ATION REQUI	IREMENTS			
determininformatiapply for potential Complete information	ed that all n ion from the particular u	ecessary information checklist below muses or as may be rec rsial conditional uses	on has been prov ost be included. I quired by the Zoo	rided. <u>Only co</u> Note that add ning Administ	itional app irator. App meet with s	olications w lication sub licants for s	omittal requirements significant and/or o submittal.	

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: Jan Honshue, Cloud 1 LC Bus. Dov-

Date: 10-13-20

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 isproposed.
- 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 many 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.
- o 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 048-0507-291-8500-4, 048-0507-291-9000-7, 048-0507-292-8000-8 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, particularity 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 ¾ 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 ½ 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 ½ 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' guyed 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 048-0507-291-8500-4, 048-0507-291-9000-7, 048-0507-292-8000-8 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 withing 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 and existing driveway of Ridge Drive and a new gravel extension to the tower site. No building will be part of this tower build. Three down guy wires will extend 156' from the tower to three guy anchor locations to support the guyed tower.

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 late 2020 or early 2021 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 email on 9/21/20 to Town of Primrose Town Clerk, Ruth Hansen.

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.



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

September 1, 2020

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 is FCC compliant from an operational tolerance perspective. Regarding licensed and unlicensed bands (as allowed by 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.

Finally, we will install Bug Tussel Wireless fixed wireless 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



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

September 1, 2020

Dane County Zoning,

The Primrose tower search ring 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



Majid Allan

Senior Planner

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

October 13, 2020

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.

- 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.
- 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

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 onsite 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/)

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/

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 go out. In essence, practicing telemedicine can actually help prevent the spread of coronavirus.

In fact, the Centers for Disease Control (CDC) <u>issued a series of recommendations</u> (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.

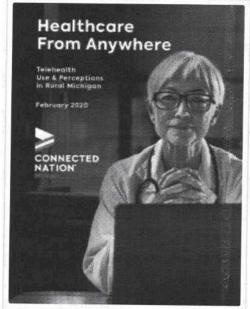
But telehealth is not just a temporary fix for the current health crisis—it can mean long-term improvement on health services, especially in rural areas. Researchers also found, among other things, the highest ratios in the country of patients per doctor, a lower-than-average life expectancy, and a higher-than-average 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-understanding that this technology is no longe content/uploads/2020/03/CN TELEHEATY 1989 (2) 1 3029988 ityN 2 and lawmakers are

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CLICK THE ABOVE IMAGE TO VIEW THE FULL

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 <u>in these five counties alone</u>.

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

taking action. From \$500+ million in loans and grants for rural broadband offered through the <u>USDA's ReConnect Program</u>

(https://www.usda.gov/reconnect) to the just

passed <u>Broadband DATA Act (https://www.congress.gov/bill/116th-congress/senate-bill/1822</u>), 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 <u>passed H.R. 6074</u> (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).

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subject=http://Telehealth%2

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<u>you</u>

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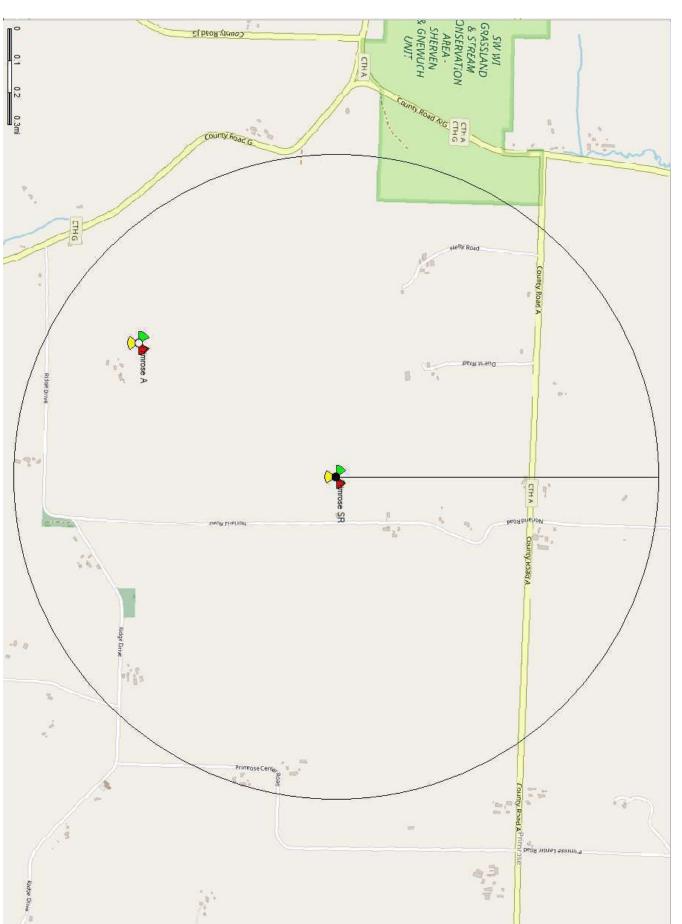
chance:

httns://connectednation.org

Primrose Search Ring – No towers or structures over 100 ft within one mile of the search ring center.

Search Ring Center Coordinates: 42.8926 -89.6846

Proposed Tower (Primrose A) Coordinates: 42.88359 -89.69233







FAA 1-A SURVEY CERTIFICATION

Applicant:	Cloud 1 130 East Walnut Street Green Bay, WI 54305-1060	
Site Name:	Primrose	
Horizontal Datum Sou Ground survey	arce (select all that apply): ☐ GPS survey ☐ NAD 83	□ NAD 27
Vertical Datum Source Ground survey	e (select all that apply): GPS survey NAVD 88	☐ NGVD 29
Structure Type (select New Tower E Other (describe):		☐ Water Tank ☐ Smokestack
Latitude: Longitude: Ground Elevation:	42° 53' 00.96" North N 89° 41' 33.15" West N 1126' AMSL	
within +/- 20 feet horizont vertically. The horizont and are expressed in deg	ontally, and that the site elevation al datum (coordinates) are based grees, minutes and seconds to the	e longitude, as detailed above, are accurate to a, detailed above, is accurate to within +/-3 feet on the North American Datum of 1983 (NAD 83) e nearest hundredth of a second. The vertical al Datum of 1988 (NAVD 88) and are determined
Engineer Signature/Se Printed Name: Professional Engineer Company: Phone: Date:	Daryl Matzke	Inc. DARYL R. MATZKE E-29911 SAUK CITY, WI

Ramaker Project No.: 42804





EXHIBIT A

TO SITE LEASE WITH OPTIONS

LEGAL DESCRIPTION OF PROPERTY

The Northeast ¼ of the Northwest ¼; the West ½ of the Northeast ¼ and the following described parcel of land located in the Southeast ¼ of the Northwest ¼, being more fully described as follows: Commencing at the Northeast corner of the Southeast ¼ of the Northwest ¼ 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: 048-0507-291-8500-4, 048-0507-291-9000-7, 048-0507-292-8000-8 and

048-0507-292-9500-1

Primrose – Legal Description of CUP Area

100' X 100' LEASE AREA DESCRIPTION

A PORTION OF LAND LOCATED IN THE NORTHEAST QUARTER (NE1/4) OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 29 (SEC 29), TOWNSHIP 5 NORTH (T5N), RANGE 7 EAST (R7E), IN THE TOWN OF PRIMROSE, DANE COUNTY, WISCONSIN, AND BEING FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND IRON PIPE LOCATING THE NORTHWEST CORNER OF SAID SECTION 29; THENCE N0° 04′ 08″E, 2289.51 FEET ALONG THE NORTH LINE OF SAID SEC 29; THENCE S0° 00′ 00″E, 1127.33 FEET TO THE POINT OF BEGINNING; THENCE N90° 00′ 00″E, 100.00 FEET; THENCE S0° 00′ 00″E, 100.00 FEET; THENCE N90° 00′ 00″W, 100.00 FEET; THENCE N0° 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.

30' WIDE ACCESS & UTILITY EASEMENT #1 CENTERLINE DESCRIPTION

A PORTION OF LAND LOCATED IN THE NE1/4 OF THE NW1/4 OF SEC 29, T5N, R7E, IN THE TOWN OF PRIMROSE, DANE COUNTY, WISCONSIN, AND BEING FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND IRON PIPE LOCATING THE NORTHWEST CORNER OF SAID SECTION 29; THENCE N0° 04' 08"E, 2289.51 FEET ALONG THE NORTH LINE OF SAID SEC 29; THENCE S0° 00' 00"E, 1127.33 FEET TO THE NORTHWEST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE N90° 00' 00"E, 100.00 FEET TO THE NORTHEAST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE S0° 00' 00"E, 50.00 FEET ALONG THE EAST LINE OF THE AFOREMENTIONED LEASE AREA TO THE POINT OF BEGINNING; THENCE N90° 00' 00"E, 248.09 FEET, MORE OR LESS, TO A POINT ON THE EAST LINE OF THE NE1/4 OF THE NW1/4 OF SAID SEC 29 AND THE POINT OF TERMINATION. SAID ACCESS & UTILITY EASEMENT #1 CENTERLINE CONTAINS 248.09 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 NE1/4 OF THE NW1/4 OF SAID SEC 29.

30' WIDE ACCESS & UTILITY EASEMENT #2 CENTERLINE DESCRIPTION

A PORTION OF LAND LOCATED IN THE NW1/4 OF THE NE1/4 OF SEC 29, T5N, R7E, IN THE TOWN OF PRIMROSE, DANE COUNTY, WISCONSIN, AND BEING FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND IRON PIPE LOCATING THE NORTHWEST CORNER OF SAID SECTION 29; THENCE N0° 04' 08"E, 2289.51 FEET ALONG THE NORTH LINE OF SAID SEC 29; THENCE S0° 00' 00"E, 1127.33 FEET TO THE NORTHWEST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE N90° 00' 00"E, 100.00 FEET TO THE NORTHEAST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE S0° 00' 00"E, 50.00 FEET ALONG THE EAST LINE OF THE AFOREMENTIONED LEASE AREA; THENCE N90° 00' 00"E, 248.09 FEET, MORE OR LESS, TO A POINT ON THE EAST LINE OF THE NE1/4 OF THE NW1/4 OF SAID SEC 29 AND THE POINT OF BEGINNING; THENCE S66° 36' 43"E, 347.84 FEET; THENCE S0° 55' 00"E, 37.10 FEET, MORE OR LESS, TO A POINT ON THE SOUTH LINE OF THE NW1/4 OF THE NE1/4 OF SAID SEC 29 AND THE POINT OF TERMINATION. SAID ACCESS & UTILITY EASEMENT #2 CENTERLINE CONTAINS 384.94 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 THE NE1/4 OF THE NW1/4 OF SAID SEC 29.

30' WIDE ACCESS & UTILITY EASEMENT #3 CENTERLINE DESCRIPTION

A PORTION OF LAND LOCATED IN THE SW1/4 OF THE NE1/4 OF SEC 29, T5N, R7E, IN THE TOWN OF PRIMROSE, DANE COUNTY, WISCONSIN, AND BEING FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND IRON PIPE LOCATING THE NORTHWEST CORNER OF SAID SECTION 29; THENCE N0° 04' 08"E, 2289.51 FEET ALONG THE NORTH LINE OF SAID SEC 29; THENCE S0° 00' 00"E,

1127.33 FEET TO THE NORTHWEST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE N90° 00′ 00″E, 100.00 FEET TO THE NORTHEAST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE S0° 00′ 00″E, 50.00 FEET ALONG THE EAST LINE OF THE AFOREMENTIONED LEASE AREA; THENCE N90° 00′ 00″E, 248.09 FEET, MORE OR LESS, TO A POINT ON THE EAST LINE OF THE NE1/4 OF THE NW1/4 OF SAID SEC 29; THENCE S66° 36′ 43″E, 347.84 FEET; THENCE S0° 55′ 00″E, 37.10 FEET, MORE OR LESS, TO A POINT ON THE SOUTH LINE OF THE NW1/4 OF THE NE1/4 OF SAID SEC 29 AND THE POINT OF BEGINNING; THENCE S5° 57′ 34′W, 33.35 FEET; THENCE S51° 40′ 53″W, 268.52 FEET; THENCE S36° 09′ 16″W, 113.37 FEET TO A POINT ON THE NORTH RIGHT-OF-WAY LINE OF AN UNNAMED PUBLIC ROAD AND THE POINT OF TERMINATION. SAID ACCESS & UTILITY EASEMENT #3 CENTERLINE CONTAINS 415.24 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 SOUTH LINE OF THE NW1/4 OF THE NE1/4 OF SAID SEC 29 AND TO TERMINATE AT THE NORTH RIGHT-OF-WAY LINE OF AN UNNAMED PUBLIC ROAD.

30' WIDE ACCESS & GUY EASEMENT #1 CENTERLINE DESCRIPTION

A PORTION OF LAND LOCATED IN THE NE1/4 OF THE NW1/4 OF SEC 29, T5N, R7E, IN THE TOWN OF PRIMROSE, DANE COUNTY, WISCONSIN, AND BEING FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND IRON PIPE LOCATING THE NORTHWEST CORNER OF SAID SECTION 29; THENCE N0° 04' 08"E, 2289.51 FEET ALONG THE NORTH LINE OF SAID SEC 29; THENCE S0° 00' 00"E, 1127.33 FEET TO THE NORTHWEST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE N90° 00' 00"E, 50.00 FEET ALONG THE NORTH LINE OF THE AFOREMENTIONED LEASE AREA TO THE POINT OF BEGINNING; THENCE N0° 00' 00"E. 210.00 FEET TO THE POINT OF TERMINATION. SAID ACCESS & GUY EASEMENT #1 CENTERLINE CONTAINS 210.00 LINEAR FEET AND IS SUBJECT TO ANY AND ALL EASEMENTS OR AGREEMENTS, RECORDED OR UNRECORDED.

30' WIDE ACCESS & GUY EASEMENT #2 CENTERLINE DESCRIPTION

A PORTION OF LAND LOCATED IN THE NE1/4 OF THE NW1/4 OF SEC 29, T5N, R7E, IN THE TOWN OF PRIMROSE, DANE COUNTY, WISCONSIN, AND BEING FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND IRON PIPE LOCATING THE NORTHWEST CORNER OF SAID SECTION 29; THENCE N0° 04' 08"E, 2289.51 FEET ALONG THE NORTH LINE OF SAID SEC 29; THENCE S0° 00' 00"E, 1127.33 FEET TO THE NORTHWEST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE N90° 00' 00"E, 100.00 FEET TO THE NORTHEAST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE S0° 00' 00"E, 78.87 FEET ALONG THE EAST LINE OF THE AFOREMENTIONED LEASE AREA TO THE POINT OF BEGINNING; THENCE S60° 00' 00"E, 202.26 FEET TO THE POINT OF TERMINATION. SAID ACCESS & GUY EASEMENT #2 CENTERLINE CONTAINS 202.26 LINEAR FEET 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 THE AFOREMENTIONED LEASE AREA.

30' WIDE ACCESS & GUY EASEMENT #3 CENTERLINE DESCRIPTION

A PORTION OF LAND LOCATED IN THE NE1/4 OF THE NW1/4 OF SEC 29, T5N, R7E, IN THE TOWN OF PRIMROSE, DANE COUNTY, WISCONSIN, AND BEING FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND IRON PIPE LOCATING THE NORTHWEST CORNER OF SAID SECTION 29; THENCE N0° 04' 08"E, 2289.51 FEET ALONG THE NORTH LINE OF SAID SEC 29; THENCE S0° 00' 00"E, 1127.33 FEET TO THE NORTHWEST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE CONTINUING S0° 00' 00"E, 78.87 FEET ALONG THE WEST LINE OF THE AFOREMENTIONED LEASE AREA TO THE POINT OF BEGINNING; THENCE S60° 00' 00"W, 202.26 FEET TO THE POINT OF TERMINATION. SAID ACCESS & GUY EASEMENT #3 CENTERLINE CONTAINS 202.26 LINEAR FEET 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 WEST LINE OF THE AFOREMENTIONED LEASE AREA.

TITLE BY: KNIGHT BARRY TITLE SERVICES LLC FILE NUMBER: 1010989

SURVEY RELATED EXCEPTIONS:

SECTION 29, T5N, R7E, FOUND IRON PIPE, P.O.C.

NORTH LINE OF SEC 29, T5N, R7E NO° 04' 08'E 5299.46' (M)

NORTHEAST CORNER OF SECTION 29, T5N,R7E, FOUND PK NAIL

855 Community Dr. Sauk City, WI 53583 608-643-4100 www.Ramaker.com

& ASSOCIATES, INC RAMAKER

Sauk City, WI • Willmar, MN Woodcliff Lake, NJ • Bayamon, PR



NE 1/4 - NW1/4 SEC 29, T5N, R7E

NW1/4 - NE1/4 SEC 29, T5N, R7E

TIE-LINE SO° 00' 00"E

ARCEL NUMBER:

SITE LOCATION SEE DETAIL

VICINITY MAP

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SW1/4 - NE1/4 SEC 29, T5N, R7E

PUBLIC ROAD RIGHT-OF-WAY

(PUBLIC RD)

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PARENT PARCEL

A PORTION OF LAND LOCATED IN THE NORTHEAST QUARTER (NEI /4) OF THE NORTHWEST QUARTER (NWI /4) OF SECTION 29 (SEC 29), TOMNSHIP S NORTH (TSN), RANGE 7 EAST (RZT), IN THE TOWN OF FRIMROSE, DAME COUNTY, WISCONSINI, AND BEING FURTHER DESCRIBED AS FOLLOWS:

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30' WIDE ACCESS & UTILITY EASEMENT #1 CENTERLINE DESCRIPTION

A PORTION OF LAND LOCATED IN THE NEI/A OF THE NWI/A OF SEC 29, T5N, R7E, IN THE TOWN OF PRIMROSE, DANE COUNTY, WISCONSIN, AND BEING FURTHER DESCRIBED AS FOLLOWS:

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EXISTING EASEMENT IS BLANKET IN MATURE ACROSS THE SWITA OF THE NETA OF SAID SEC 29, THEREFORE TY MAY AFFECT THE 30 WIDE ACCESS & UTILITY EASEMENT #3 BUT NO UTILITIES WERE OBSERVED WITHIN THE LEASE AREA OR A SSOCIATED EASEMENTS.

203.: EASEMENT GRANTED TO WISCONSIN POWER AND LIGHT COMPANY AND OTHER MATTERS CONTAINED IN INSTRUMENT RECORDED JUNE 1 6, 1955 IN VOL. 281 OF MISCELLANEOUS, PAGE 84 AS DOCUMENT NO.

201. : RIGHTS OF OTHERS IN AND TO THE USE OF ANY DRAINS, DITCHES, FEEDERS, LATERALS AND/OR NDERGROUND DRAIN TILES OR PIPES THAT MAY BE LOCATED OVER, ACROSS, IN OR UNDER THE INSURED PREMISES,

RIGHTS TO ENTER UPON SAID PREMISES TO MAINTAIN THE SAME.

NO DITCHES WERE NOTED WITHIN THE LEASE AREA OR EXISTING EASEMENTS.

2-02) - PUBLIC OR PRIVATE RIGHTS. IF ANY, IN SUCH PORTION OF THE LIAID AS MAY BE PRESENTLY USED, LAD OR DEDICATED IN ANY MANURE, WHATSOCKER, FOR STEET, HIGHWAY AUDOR ALEY PURPOSES, EXISTING ROADS RIGHT-OF-WAYS ARE SHOWN ON SURVEY.



SECTION CORNER

LINE R SECTION LINE 2R-QUARTER SECTION L

130 EAST WALNUT ST. GREEN BAY, WI 54305-1060 PHONE: (920) 940-0147 cloud 42804

EXISTING SILO, TYP

PARENT PARCEL BOUNDARY, TYP.

EXISTING TYP

hereby certify that this Survey Document was prepared and the related Survey Work was performed by me or under my direct TRENT D

ent D. Nelson, PLS ense Number: 3132-8 Date:06/17/20 BATE 06/17/2019

PRIMROSE

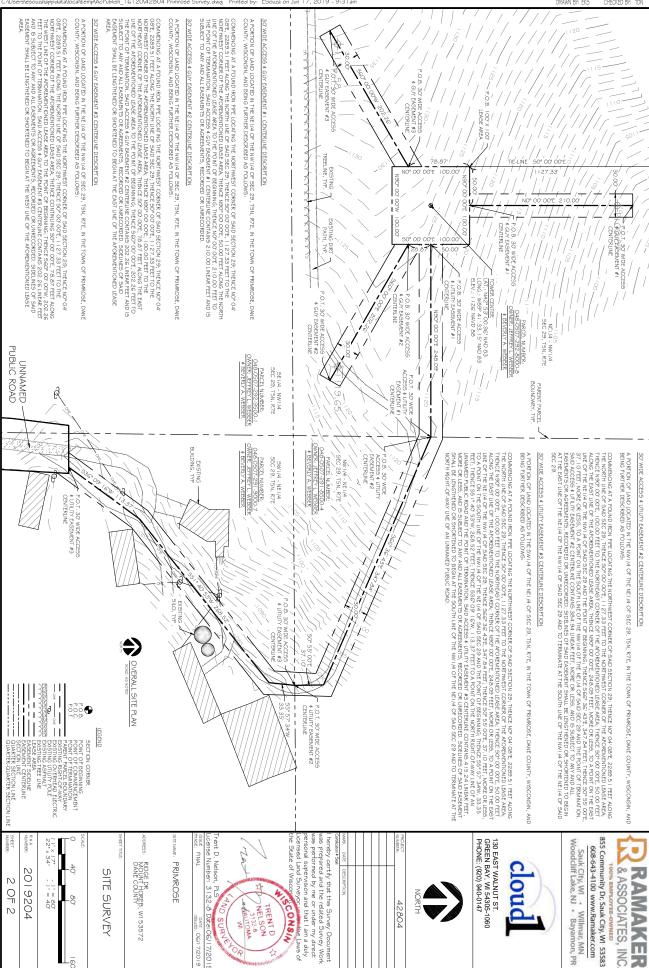
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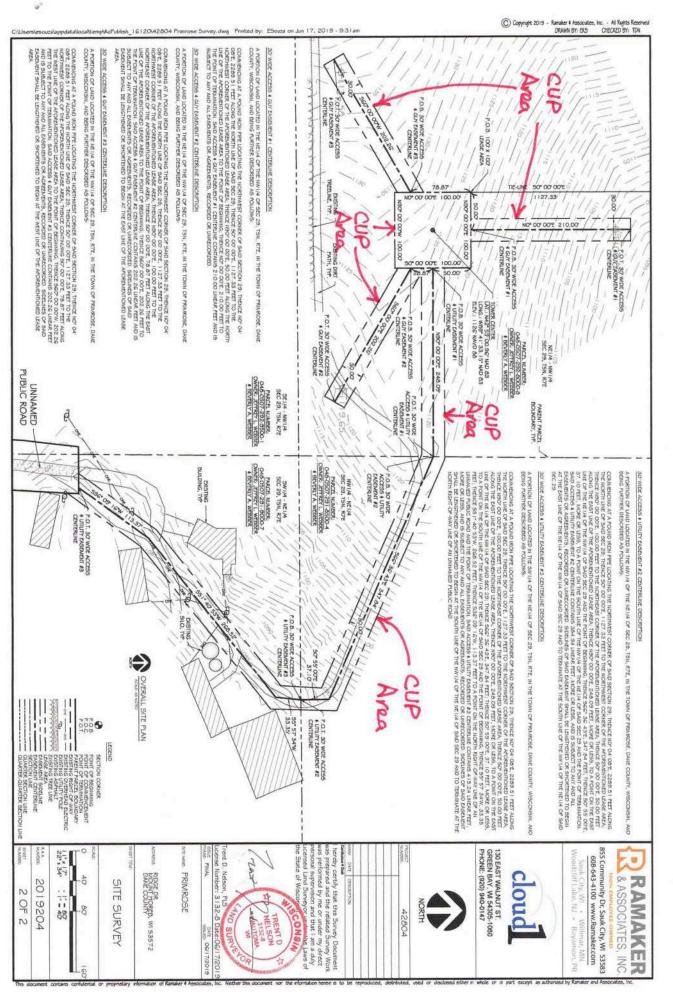


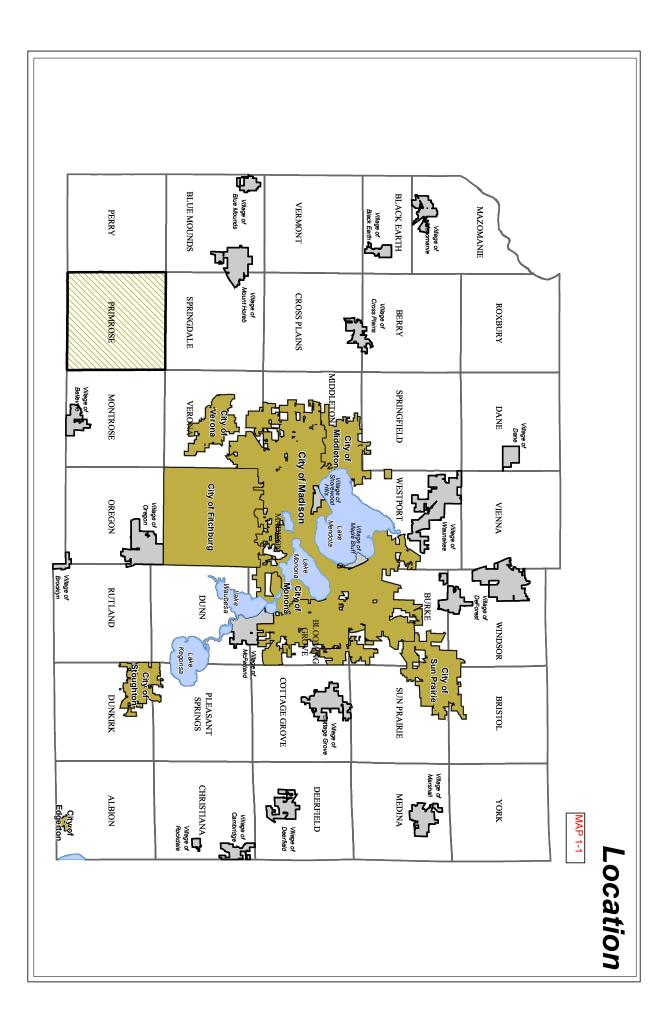
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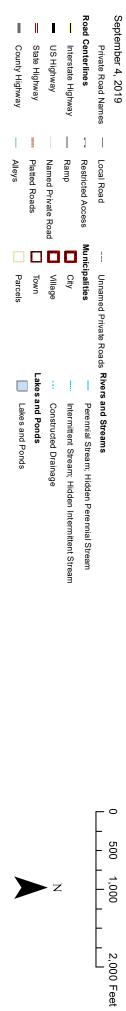
42804





Dane County Map







LICENSE OR PERMIT BOND



	Bond 354224247	
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 COI	poration,
as Surety, are held and firmly bound unto DANE COUNTY, WI	<u></u>	Obligee,
in the gram of	, as	Oongee,
in the sum of	Twenty Thousand and 00/100 Dollars (\$20,000.00	<u> </u>
for which sum, well and truly to be paid, we bind ourselves, our heirs, exseverally, firmly by these presents.	xecutors, administrators, successors and assigns, jointly a	and
Signed and sealed thisdthday ofOctober	, 2019	
THE CONDITION OF THIS OBLIGATION IS SUCH, That WHEREA remove the tower at the Primrose Site - Tax Pa 048-0507-292-8000-8 and 048-0507-292-9500-by the Obligee.	AS, the Principal has been or is about to be granted a licer arcel No. 048-0507-291-8500-4, 048-0507-291-9000-7, 0-1	nse or
NOW, Therefore, if the Principal well and truly comply with applicable then this obligation to be void; otherwise to remain in full force and effe	local ordinances, and conduct business in conformity the ect.	erewith,
PROVIDED, HOWEVER; 1. This bond shall continue in force: Until,	, or until the date of expiration of any Continuation (
thereafter, liability hereunder shall terminate as to subsequent acts or on	CLOUD(1, LLC	
1912	Liberty-Mutual Insurance Company By Roxanne Jensen Attorn	Principal



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: 8201176-354019

call EST on any business day

Power of A

this P

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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, Kelfy Cody,
Christopher Hovden, Roxanne Jensen, Brian L. Krause, Trudy A. Szalewski

all of the city of	Green Bay	state of	Wisconsin	each individually if there be mo	re than one named, i	ts true and lawful attor	nev-in-fact to make.
execute, seal, acknowled	ge and deliver, for a	nd on its behalf as sun	ety and as its act an	deed, any and all undertakings, bo	onds, recognizances	and other surety obliga	ations, in pursuance
of these presents and sh	all be as binding up	on the Companies as	if they have been o	luly signed by the president and at	tested by the secret	ary of the Companies	in their own proper
persons.	• ,	'	, , , , , , , , , , , , , , , , , , , ,	,		on y on the companion	in ordin dinis propor

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 list day of May 2019







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

David M. Carey, Assistant Secretary

State of PENNSYLVANIA County of MONTGOMERY

2019 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. Attorney (14:30 pm l

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

Noragal Seal Teresa Pastella, Notary Public Upper Merion Twp . Montgomery County My Commission Expires March 28, 2021 Vember, Pannsylvania Association of Notarles

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.

alidity of the 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 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 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-infact 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

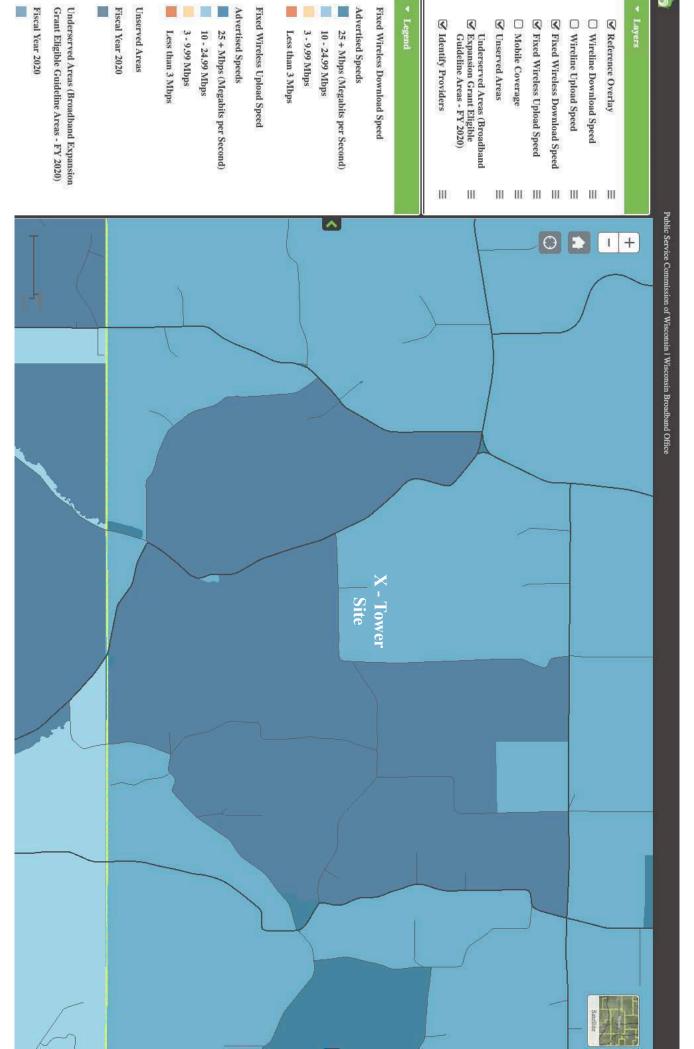




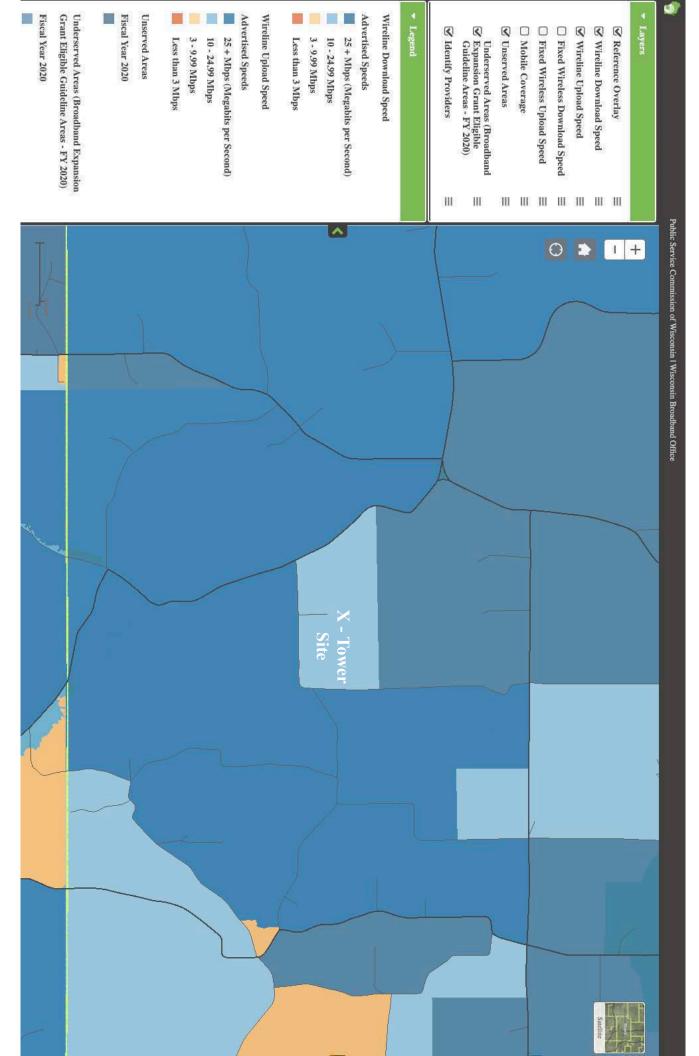


Renee C. Llewellyn, Assistant Secretary

Wisconsin PSC Broadband Office - Fixed Wireless Broadband Service



Wisconsin PSC Broadband Office - Wireline Broadband Service



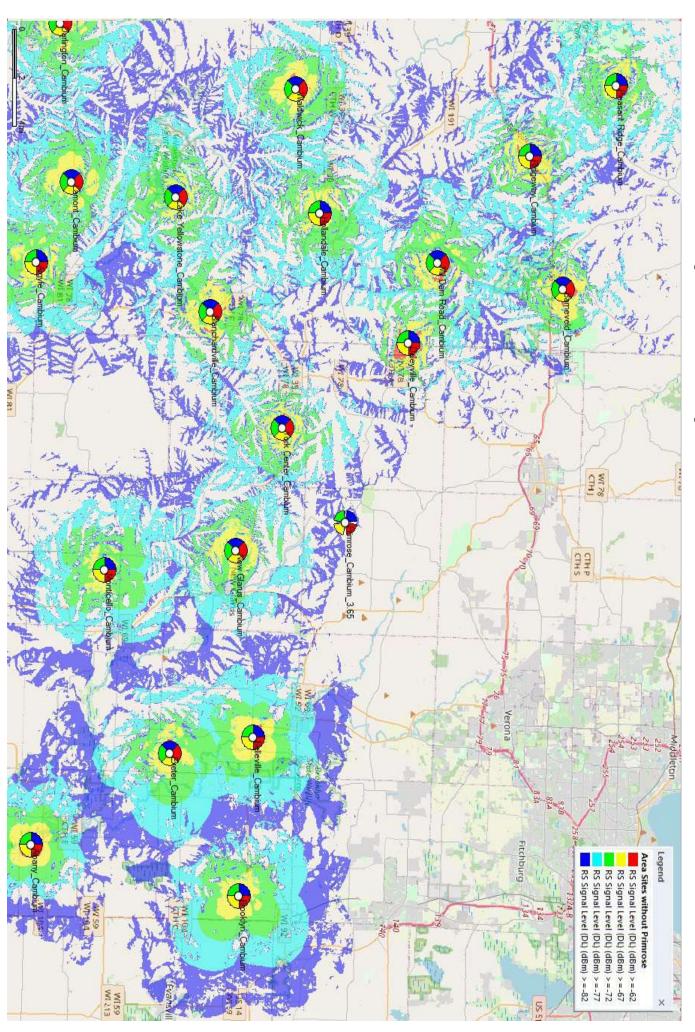
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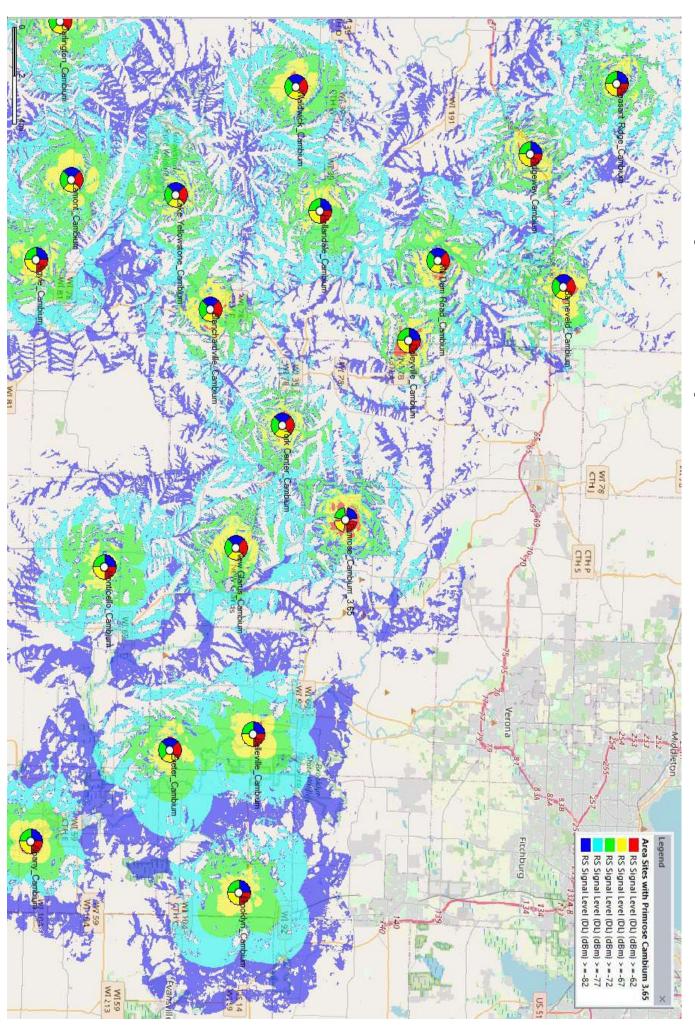
STATE OF WISCONSIN)	
)	SS
COUNTY OF BROWN)	

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

- 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.
- 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: 0507-292-8000-8, 0507-291-9000-7, and 0507-291-8500-4 (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.
 - 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.

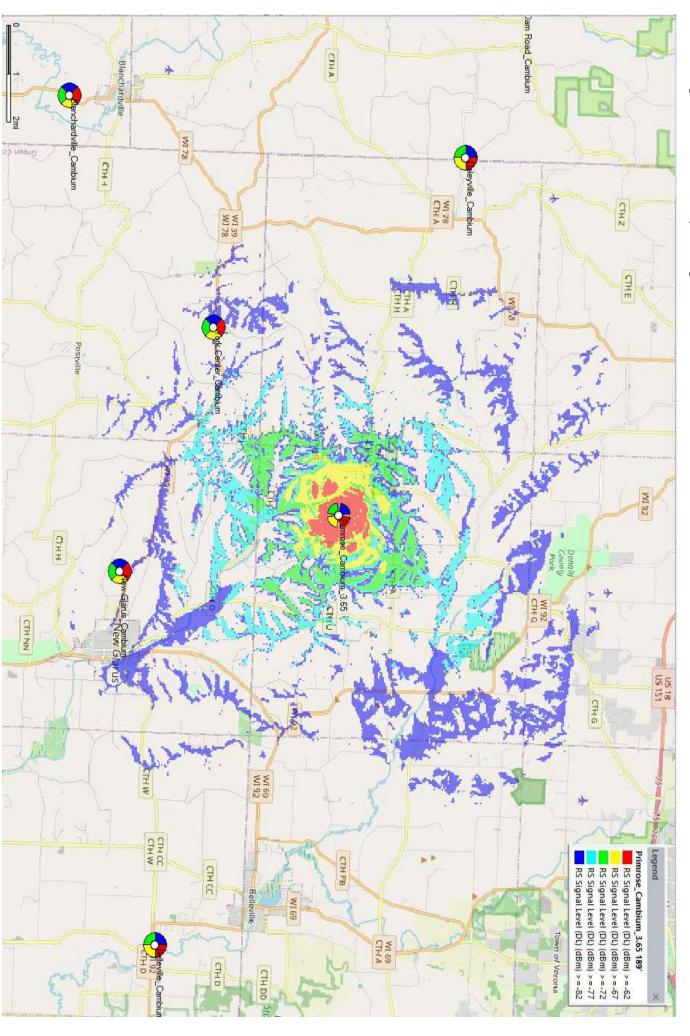
Elan 5	10-13-20
(Signature)	(Date)
Adam Craig	anuuni.
Subscribed and sworn to before me this 3 day of Nober, 2020. Notary Public County Wisconsin My Commission Expires December 4, 2023	NOTARA NOTARA

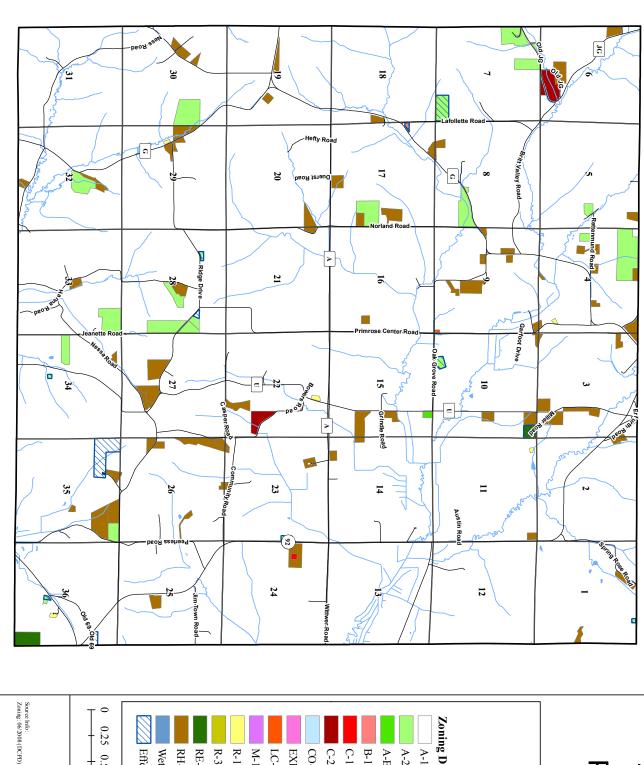




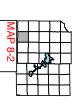
139 139 dge Park Primrose Bug Tussel Cambium Only Coverage at 189 ft: Parlington_Cambium Waldwick_Cambium CTH W WI 191 asant Ridge_Cambium 4 WI 39 Gamont_Cambium llandale_Cambium Dam Road_Cambium Cambium Cambium WI 78 Cambium Cambium MI 78 Glanchardville_Cambium 82 MM WI 39 W/1 91 CH1 82.1M SHED ________Cambium WI 69 WI 69 CTHE 65 IM d Fitchburg RS Signal Level (DL) (dBm) >=-62
RS Signal Level (DL) (dBm) >=-67
RS Signal Level (DL) (dBm) >=-72
RS Signal Level (DL) (dBm) >=-77
RS Signal Level (DL) (dBm) >=-82 Primrose_Cambium_3.65 189' party_Cambium 104 WI 104 CTHC CTHC WI 92 oklyn_Cambium WI 213 US 14 Sn

Primrose Bug Tussel Cambium Only Coverage at 189 ft Detail:





Town of Primrose



Zoning

Zoning District

- A-1 or A-1EX 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
- CO-1 Conservancy C-2 Heavy Commercial
- EXP-1 Expo
- M-1 Industrial LC-1 Limited Commercial
- 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





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



Gary Henshue

Tuesday, September 1, 2020 at 15:33:44 Central Daylight Time

Subject:

Town of Primrose Proposed Communications Tower

Date:

Tuesday, September 1, 2020 at 3:30:58 PM Central Daylight Time

From:

Gary Henshue <Gary.Henshue@bugtusselwireless.com>

To:

clerk@townofprimrose.com <clerk@townofprimrose.com>

Attachments: Primrose Tower Drawings.pdf 🖊

Ruth,

I just left you a voice message. I work for Bug Tussel Wireless (BTW) in Green Bay, WI. BTW is proposing a new communications tower in the Town of Primrose. Attached is the site drawings for this proposed tower site. The proposed tower site is located at 9108 Ridge Road, Mt. Horeb, WI. I plan on filing this week a CUP application with Dane County zoning. If this tower is approved by Dane County zoning, BTW plans on offering rural broadband service (wireless internet) to residents in the Town of Primrose area. Let me know if you would like me to make a presentation to the Town of Primrose Town Board regarding this tower.

Thanks, Gary Henshue Bug Tussel Wireless 608-335-0151



42804

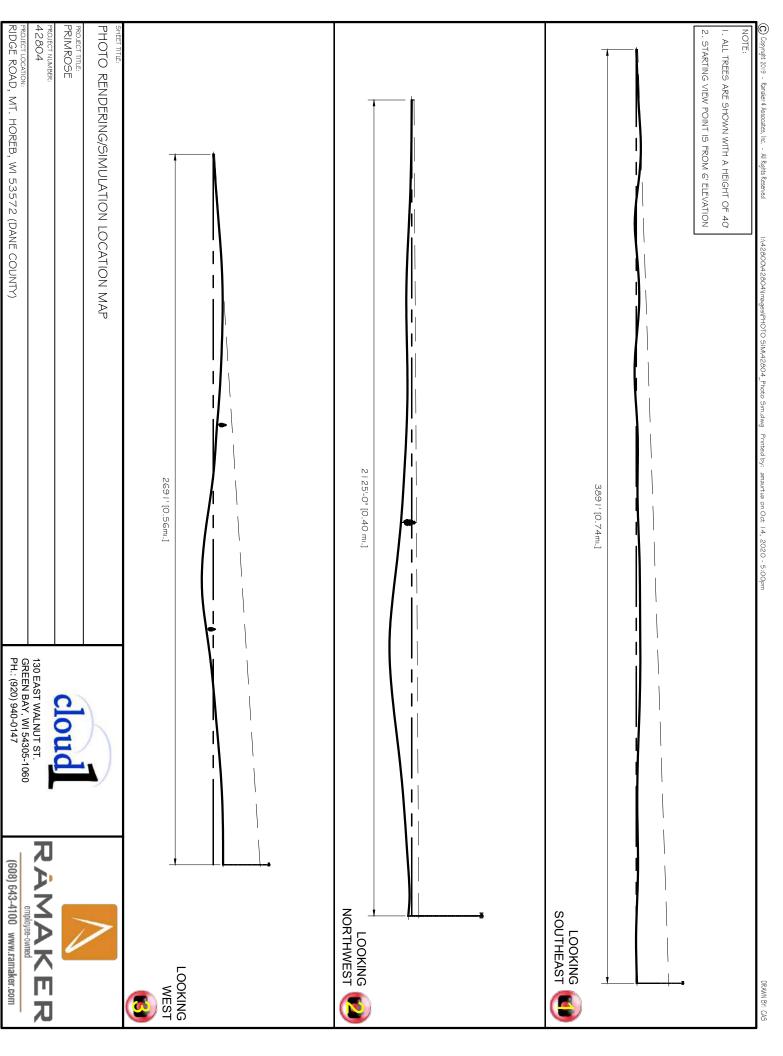
DECT NUMBER:

RIDGE ROAD, MT. HOREB, WI 53572 (DANE COUNTY)

PRIMROSE

130 EAST WALNUT ST. GREEN BAY, WI 54305-1060 PH.: (920) 940-0147

RANA META (608) 643-4100 www.ramaker.com





RAMAKER
employee-owned
(608) 643-4100 www.ramaker.com

PRIMROSE
PROJECT NUMBER:
42804



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PRIMROSE



RAMAKER
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PRIMROSE
PROJECT NUMBER:
42804

BEFORE PHOTO RENDERING/SIMULATION - LOOKING WEST



RAMAKER
employee-owned
(608) 643-4100 www.ramaker.com

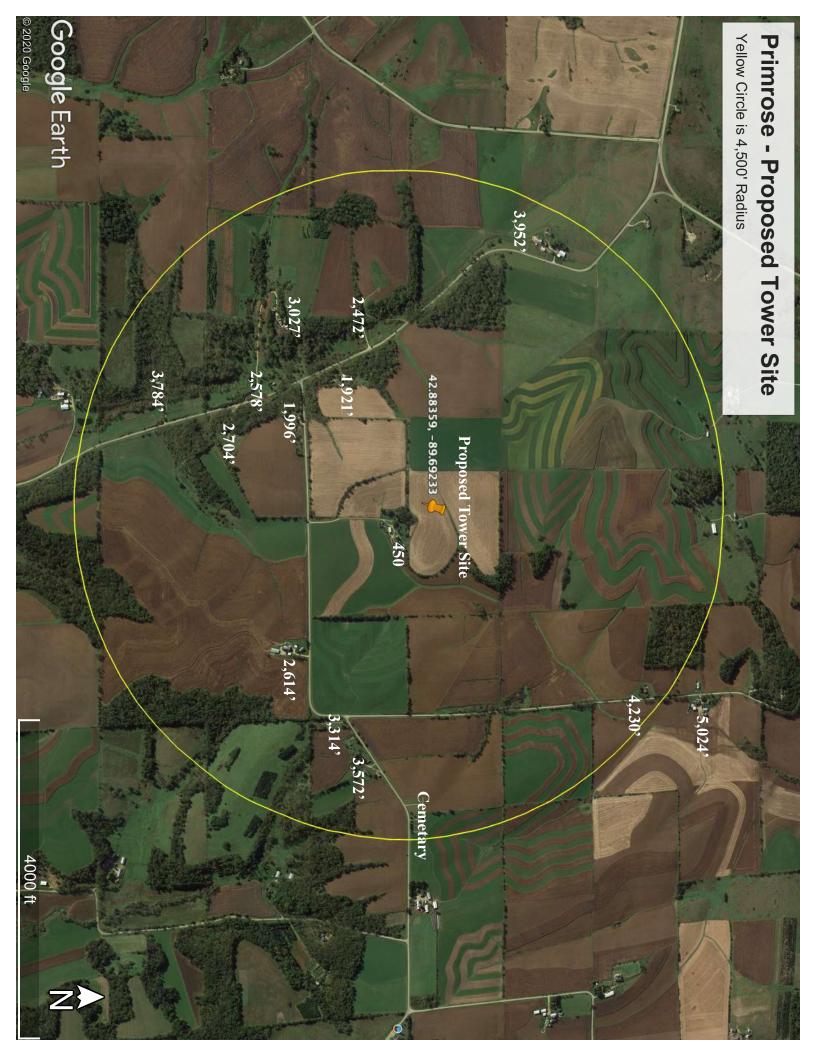
PROJECT NUMBER: 42804

RIDGE ROAD, MT. HOREB, WI 53572 (DANE COUNTY)

PRIMROSE

Primrose - Distance to Homes From Proposed Tower Site

No.	Parcel #	Landowner	Address	Feet
1	050719495000	Jerry Judd	9092 County Highway G	3,952
2	050720480004	Roger A Stoll & Donna J Stoll	685 Norland Road	4,230
3	050728291954	Jerold O Berge	8955 Ridge Drive	3,314
4	050728290019	Gary W Berge & Carrie J Berge	8941 Ridge Drive	3,572
5	050729190007	Jeffrey L Webber & Beverly A Webber	9108 Ridge Drive	450
6	050729380016	Danny R Olson & Patty A Olson	9201 County Highway G	2,704
7	050729385557	Oldroyd Rev Living Trust, Charles & Nancy	9190 County Highway G	2,578
8	050729389802	Kenneth W Brunner & Cynthia Brunner	9171 Ridge Drive	1,996
9	050729480006	David A Sponem	9021 Ridge Drive	2,614
10	050729291309	Jeffrey J Lahey & Mindy A Lahey	9110 County Highway G	2,472
11	050729292004	Jeremy J Lincicum & Teresa L Lincicum	9137 County Highway G	1,921
12	050729390005	Scott A Williams	9214 County Highway G	3,784
13	050730480003	Christopher C Rayne & Claudia A Rayne	9200 County Highway G	3,027
14	050721290002	Karl E Whisler & Kimberly A Meyer	734 Norland Road	5,024



October 10, 2019

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

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

Subject: Fall Certification Letter

Eastpointe Project Number: 8092

Eastpointe Site Name: Primrose, WI **B+T Group Project Number:** 139190.001.01

Site Data: Primrose, WI

300' Foot - Guyed Tower

To Whom it May Concern:

Eastpointe Designation:

Engineering Firm Designation:

As Requested by Eastpointe Industries, LLC on behalf of Bug Tussel Wireless, LLC / Cloud1, LLC, B+T Group is pleased to submit this "Fall Certification Letter" for the 300' guyed 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 four 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

295'—Wireless Carrier 1 (CaAa= 150 Sq. Ft.) w/ (12) 1 5/8" transmission lines 285'—Wireless Carrier 2 (CaAa= 200 Sq. Ft.) w/ (12) 1 5/8" transmission lines 275'—Wireless Carrier 3 (CaAa= 150 Sq. Ft.) w/ (12) 1 5/8" transmission lines 265' - 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 240' 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 240' 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.

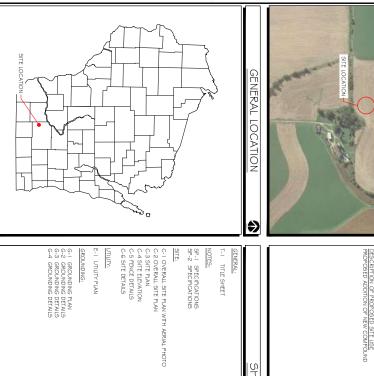
Report prepared by: Jerod Dotson, P.E.

Respectfully submitted by: B+T Engineering, Inc.

Brad R. Milanowski, P.E.



DRIVING DIRECTIONS





cloud

CONSTRUCTION DRAWINGS PRIMROSE

417 PINE STREET FLOOR 2 GREEN BAY, WI 54301 PH.: (920) 940-0147

cloud

(608) 643-4100 www.ramaker.com

AERIAL VIEW OF SITE



OBTAIN LOCATION OF PARTICIPANTS' UNDERG DIGGERS HOTLINE 811 OR 1-800-242-8511

WISCONSIN STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

PROJECT INFORMATION

SHEET INDEX

RIDGE ROAD MIT. HOREB, WI 53572 DANE COUNTY TAX PIN # 050729280008, 050729185004, 050729295001, 050729190007 RAMAKER * ASSOCIATES, INC. 855 COMMUNITY DRIVE SAUK CITY, WI 53583 CONTACT: STEVE WIDEEN PH.: (608) 643-41 00 EMAIL: swideen@ramaker.com

SITE NAME: PRIMROSE

PRIMROSE

LATITUDE: N 42° 53' 00.96" NAD 83 LONGITUDE: W 89° 41' 33.15" NAD 83 GROUND ELEV: 1126 FT AM5L

OCCUPANCY: UNMANNED

SCALE: NONE

WI CAN ERCHIMINATION SCONS! MICHAEL L. PINSKE 36387 MIDDLETON, WI

RAMAKER

2 ALL WORK, MATERAL AND EQUIPMENT SHALL COMETY WITH ALL RECUREMENTS OF THE KATEST EDITIONS AND INTERNA MANEROWERS OF THE KATEST EDITIONS AND INTERNA MANEROWERS AND THE METHOD AND THE STATE AND EASON AND THE METHOD AND THE STATE AND EASON AND THE METHOD AND THE STATE AND EASON AND THE METHOD AND THE STATE AND THE METHOD AND THE STATE AND THE METHOD THE METH . ALL EQUIPMENT FURNISHED AND WORK, PERFORMED UNDER THE CONTRACT DOCUMENTS SHALL BE CHARANTED LAGANST DEFECTS IN MATERIALS OR WORKMANSHIP FOR A PERIOD OF ONE () YEAR FROM THE DATE OF FINAL ACCEPTANCE, UNLESS NOTED OTHERWISE. ANY FAULURE OF EQUIPMENT OR WORK OUT TO DEFECTS IN MATERIALS OR WORKMANSHIP SHALL BE CONTRACTIONS AT NO COST TO THE DATE OF THE OWNER WANTER AND THE OWNER WANTER AND THE OWNER WAS AND

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ATTICL TO WORKING SOFEDULES AND METHODS OF REMOVING OR
USTING AFFECTED UTILITIES. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS AND THEIR SIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE

CONTRACTOR SHALL FIELD VERFY ALL ENSTING UTILITIES BOTH IZONYALLY AND WERFICALLY PRORT OF SHAT OF CONSTRUCTION, DESCREPANCIES OR DOUBLES AS TO THE INTERPETATION OF PLANS ALL BE IMMEDIATELY REPORTED TO THE FROJECT MANAGER FOR UTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE FORKED UNTIL DESCREPANCY OF GREATED BAD CORRECTED BY THE HITCOTESIATER, FAULKE TO SECURE SUCH INSTRUCTION MEMORIA HITCOTESIATER, FAULKE TO SECURE SUCH INSTRUCTION MEMORIAL FOR THE WORKED AND DAY BOTH DAY BOTH AND DAY BOTH DAY BOTH AND CONTRACTORS SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION IN THAT NO PAPERS, TRASH, DEBRIS, WEEDS, BRUSH OR ANY OTHER SITS REMAIN, ALL MATTERALS COLLECTED DURING CLEANING ANTIONS SHALL BE PROPERLY DISPOSED OF OFF-SITE BY THE

ALL SITE WORK SHALL BE CARFFULLY COORDINATED BY THE RACTOR WITH LOCAL GAS, ELECTRIC, TELEPHONE, AND ANY OTHER Y COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

REQUIPTION, SHOULD IT BE MECHSSARY TO INTERNITY ANY SERVICE OR INT. THE CONTRACTOR SHALL SECURE TERMISSION IN WEITING FROM THE MILLIAM TO SHOULD HAVE THE METHOD AND THE METHOD THE METHOD THE METHOD WITH A MODIFICATION INCONTRIBUTION OF THE BUILDING RECOFERY WER AND ANY SHOT SHOULDOWN TIME SHALL BE COORDINATED WITH BUILDING PROFERY SHALL BE COORDINATED WITH BUILDING PROFERY OWNER. DURING CONSTRUCTION, THE CONTRACTOR SHALL AT ALL TIMES TANN THE UTILITIES OF THE BUILDINGS/SITE WITHOUT RAY CERVICE.

THIS CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HINBELT WITH PLANS AND SHALL VERIFY EXSTING STE CONDITIONS AT THE JOB BEFORE SUBMITTING BID FAILURE TO RECOGNIZE WORK REQUIRED LERGAT THE EXPENSE OF THIS CONTRACTOR. AND CONSIDERATION LERGAND FOR ADDITIONAL COMPENSATION AFTER THE LETTING OF

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ALL MATERIALS USED SHALL BE NEW AND BEAR THE U/L LABEL AND BE OF THE APPROPRIATE NEMA STANDARD.

CONTRACTOR SHALL INCLUDE ALL MISCELLANEOUS ITEMS QUIRED TO COMPLETE THE WORK.

15. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND REQUIRED INSPECTION FEES.

IG. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE AND REVIEW THE ELECTRICAL CHARACTERISTICS, AMPACITY AND OTHER REQUIREMENTS OF ALL EQUIPMENT PRIOR TO INSTALLATION.

17. If SHALL BE THE RESPONSIBILITY OF THIS PROJECT MANAGER TO COORDINATE THE LOCATIONS OF CONDUIT ROUTING, EQUIPMENT, LIGHTING, ETC. WITH ALL OTHER TRADES IN THE FIELD PROPE TO INSTALLATION.

18. FOR CLARITY OF ALL PLANS, SOME FOURMENT CONDUIT AND WRE HAS NOT BEEN SHOWN, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO PURNISH AND INSTALL COMPLETE AND OPERATING SYSTEMS INCLUDING ALL CONDUIT AND WIRING.

19. THE CONTRACTOR SHALL INSPECT THE CONFLETE SET OF DRAWINGS AND SECRECACIONS TO DETERMINE IS BUTIES COPE OF PAGE, THE CONTRACTOR SHALL WISH THE SITE AND DECOME FAMILIAR WORK THE CONTRACTOR SHALL WISH THE SITE AND DEPOMENT OF AND WORK OF THE CONTRACTOR WISH THE CONTRACTOR WORK AND SHALL SHALL

20. THE ELECTRICAL INSTALLATION IS TO BE IN STRUCT ACCORDANCE WITH THE APPLICABLE RULES AND REGULATIONS OF ALL LOCAL, STATE AND PEDERAL HELEFRICAL CODES AND THE LOCAL UTILITY COMPANY REQUIREMENTS OR ANY OTHER AUTHORITIES HAVING LAWFUL JURISDICTION.

THE COMPACTOR SHALL CALL UTLITIES PROPE TO THE START OF CONSTRUCTION. ALL DESTRING ACTIVE SHARE, WARE AGS, ELECTED AND OTHER UTLINES MORE ENCOUNTEED IN THE WORK SHALL BE RECOCITED AT ALL INITIES AND WHEEE RECOLIED FOR THE PROPER ESCOUTING OF THE WORK, SHALL BE RELOCATED AS DRECTED BY THE PROLECT MANAGER ENTENDE CAUTION SHOULD BE USED BY THE PROLECT MANAGER ENTENDE CAUTION SHOULD BE USED BY THE UTLINES. CONTRACTOR SHALL PROVIDE SUFFIT YEARING FOR THE WORKHAS CREW. THIS WILL INCLUDE BUT NOT BE IMMITED TO:

A PALL PROSECULATION.

CONFINED SPACE ELECTRICAL SAFETY TRENCHING AND EXCAVATION

— REMOVÉ PROM STEOWNERS PROPERTY ALL WASTE MATERIALS, UNUSED EXCAVATED MATERIAL, INCLUDING MATERIAL CLASSIFIED UNSATISFACTORY, CONTAININATIO OR DANGEROUS TRASH AND DEBRIS, AND DISPOSE OF IN A LEGAL MAINNER (AS REQUIRED).

3. ALL EVETING INACTIVE SEVER, WATER, CAS, ELECTRIC AND OTHER UTLINES, WHICH INTERFERS WITH THE EXCUTION OF THE WORK. SHALL BE REMOVED ANDORS CAPPED, PLUGGED OR OTHERWISE DECONTINUED A TOPHIS WHICH WILL NOT INTERFER WITH THE DECONTINUED A TOPHIS WHICH WILL NOT INTERFER WITH THE EXCUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING.

4. THE AREAS OF THE OWNERS PROFERTY DISTURBED BY THE WORK AND NOT COVERED BY THE BUILDING OF REVEYWAY, SHALL BE GRADED TO A DINIFORM SLOPE, FERTILIZED, SEEDED, AND COVERED WITH MULCH AS SPECIFIED IN THE SPECIFICATION LANDSCAPE WORK (AS REQUIRED).

5. CONTRACTOR SHALL MINIMIZEDISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL AND 1996 BOCA STANDARD GUIDENNES FOR EROSION AND SEDIMENT CONTROL

G. CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT SHELTER OR PLATFORM LAYOUT AND CONSTRUCTION STAKING. CONTRACTOR SHALL ESTABLISH GRADE AND LINE STAKES PRIOR TO CONSTRUCTION.

. MINIMUM ALLOWABLE CONCRETE COMPRESSIVE STRENGTH SHALL BE 4000 PSI AT 25 DAYS WHEN TESTED IN ACCORDANCE WITH THE BAUERCAN SOCIETY FOR TESTING AND MATERIALS METHODS STANDARDS ASTM C172, ASTM C31 UNLESS OTHERWISE NOTED.

STRUCTURAL STEEL

. DEFAIL, FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH THE LATEST ABS, MANUAL OF STEEL CONSTRUCTION, AWS DI..I AND THE STRUCTURAL STEEL SHALL BE AS FOLLOWS:

B. ASTM A325 BOLTS BEARING TYPE

THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND/OR ACING WHERE REQUIRED DURING CONSTRUCTION UNTIL ALL INNECTIONS ARE COMPLETE.

4. TIGHTEN HIGH STRENGTH BOLTS TO A SNUG TIGHT CONDITION WHERE ALL PLIES IN A JOINT ARE IN FIRM CONTACT BY EITHER.

B. THE FULL EFFORT OF A PERSON USING A SPUD WRENCH

WELDING
A ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS;
CERTIFICATION DOCUMENTS SHALL BE MADE AVAILABLE FOR
ENGINEERS AND/OR OWNERS REVIEW IF REQUESTED.

C. FIELD WELDING SHALL BE DONE AS PER AWS DI.I REQUIREMENTS VISUAL INSPECTION IS ACCEPTABLE.

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2. COMPETET FOR ALL FOUNDATIONS, 5-60 LIBS FER CUBIC YMED OF COMPETE THE ALL FOUNDATIONS, 5-60 LIBS FER CUBIC YMED OF COMPETE THE ALL FOUNDATIONS OF THE ALL FOUNDATIONS OF THE ALL FOUNDATION OF THE ALL FOUNDATIONS OF THE ALL FOUN

3. ALL CONCRETE CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE (ACI 31 8) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND (ACI 30 I) STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE.

4. REBAR SHALL BE ASTIM A-40 IS DEFORMED TYPE WITH MINIMUM YIELD STRENGTH OF 60 000 PSI (4A0 000 PSI GRADE MAY BE USED FOR TIES) \$ STIRRUPS). WELDED WIRE FABRIC SHALL CONFORM TO ASTIM

5. DETALING SHALL BE IN ACCORDANCE WITH MANUAL OF STANDARD PRACTICE OF DETALING REINFORCED CONCRETE STRUCTURES (ACL STD-3) IS LATEST EDITON).

6. RENPORCHIG STELL SHALL BE ACCURATELY PLACED AND ADDIGUARTY SCURED IN POSITION. LOCATION OF RENFORCEMENT SHALL BE INDICATED IN THE DRAWNIGS. THE FOLLOWING WINIMUM COVER (INCHES) FOR REINFORCEMENT SHALL BE PROVIDED DOCETY AS NOTED MINIMUM COVER (INCHES) CAST ACANST AND FERMANDHY EXPOSED TO EARTH — 3° DRYCES TO EARTH — 10° DEATH OR WEATHER:

86 THROUGH # 10 - 2°

85 BRA AND SHAKER. — 11/2°

86 THROUGH # 10 - 2°

86 THROUGH # 10 - 2°

87 BRA AND SHAKER. — 11/2°

7. TESTS
CONCRETE MATERIALS AND OFFEATIONS SHALL BE TESTED AND INSPECTED
BYTHE CONTRACTOR AS THE WORK PROCRESSES, FALLIBE TO DETECT
BYTHE CONTRACTOR AS THE WORK PROCRESSES, FALLIBE TO DETECT
UNITE RELECTION WAYER AS IN MEDITAL IN LISOOT INVANT WAY PREVIOUS
OBLIGATE THE ENGINEER FOR FINAL ACCEPTANCE.

PROTECTION
A INMEDIATE VAFTER PLACEMENT, THE CONTRACTOR SHALL
A INMEDIATE VAFTER PLACEMENT, THE CONTRACTOR SHALL
PROTECT THE CONCERTE FROM REBMATURE DRING. EXCESSIVELY
HOT OR COLD TEMPERATURES. AND MECHANICAL INJURY. FINISHED
WORK SHALL BE PROTECTED.

B. CONCRETE SHALL BE MAINTAINED WITH MINIMAL MOISTURE LOSS AT RELATIVELY CONSTANT TEMPERATURE FOR A PERIOD NECESSARY FOR HYDRATION OF CEMENT AND HARDENING OF CONCRETE.

C ALL CONCERTE SHALL BE WATER CLIED BY COMMINDOUS (NOT FERDODO PINE MIST SERVANCES AL REPOSED SUPERACES WATER SHALL BE CLEAN AND TREE FROM ACID. ALKALL SALTS OUL SEDIMENT, AND ORGANIC MATTER. SUCCESSFUL CURRENCES OF AN AMPLE WATER SUPPLY UNDER PRESSURE IN PITS WITH ALL NECESSARY APPLIANCES OF SPANKERS.

A. ASTM A36, GRADE 36, ROLLED STEEL, RODS, PLATES, U-BOLTS AND ANCHOR BOLTS.

C. ALL STEEL SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A I 23.

ANY FIELD CHANGES OR SUBSTITUTIONS SHALL HAVE PRIOR APPROVAL FROM THE ENGINEER.

A. A FEW IMPACTS OF A IMPACT WRENCH

B. WELDING ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING SHALL CONFORM TO ASTM A-233 E70 SERIES, BARE ELECTRODES AND GRANULAR FILLY USED IN THE SUBMERSED ARC PROCESS SHALL CONFORM TO AISC SPECIFICATION.

PROTECTION

A,UPON COMPLETION OF ERECTION INSPECT ALL GALVANIZED STEEL AND PAINT ANY FIELD CUTS, WELDS, OR GALVANIZED BREAKS WITH ZINC BASED PAINT (GALVANOX, DRY GALV OR ZINC IT). COLOR TO MATCH THE GALVANIZING PROCESS.

WORK, INCLUDED:

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A. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL AND PROPERTY.

 $\ensuremath{\mathsf{B}}.$ INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND CLOUD SPECIFICATIONS.

INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED I DRAWINGS. URNISHED GALVANIZED STEEL AND/OR TOWER

E. NISTAL COMMA CAPIES AND TERMINATIONS BETWEEN ARTENINAS AND EQUIPACHT FER MANUFACTURES PROFINENCIAL DELIPHOR FER NAUFACTURES REQUIRACIÓN DE CAMANIFACTURES PROFINANTE ALL COMMÁ CABLE THERE (3) PETER NAUFACTURES OTTERMISE PROFINON INLES OTTERMISE PARTIENDA AND COMMA CABLE GROUNDING:

I.ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN"
CONNECTIONS ARE TO BE WEATHER SEALED WITH ANDREWS
CONNECTORSPLICE WEATHERPROOFING KIT #22 | 2 | 3 OR EQUAL

2.ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS).

ALL CONTRACTORS FURNISHED MATERIALS AND EQUIPMENT SPECIFIED ON THE PROJECT SHALL BE NEW AND UNUSED, OF CURRENT MANUFACTURER AND OF THE HIGHEST GRADE.

2 ALL EQUIPMENT MATERIA, AND THE INSTALLATION METHODS SPECIFED DN THE PROJECT DRAWINGS SHALL BE DESIGNED AND FABRICATED IN CONTINUED WITH A PRIOABLE TEDERAL, STEE AND COAL CODES, AND REQUIATIONS AND APPROPRIATE IN DISTAL AND UL. ALL SA REVIGED SA OF THE DATE OF THIS WORK PSYCHOLOGY AND UL. ALL SA REVIGED SA OF THE DATE OF THIS WORK PSYCHOLOGY AND UL. ALL SA REVIGED SA OF THE DATE OF THIS WORK PSYCHOLOGY. NFPA

3. ALL ELECTRICAL TIME BOTH CONTRACTOR AND OWNER PRIMER'D DISALL BE CRECKED FOR AGETMENT WITH THE REQUEST DRAWNINGS AND SPECIFICATIONS AND SPALL BE VISIMALLY INSPECTED TO REQUEST HAT ELOUPMENT IS UNMANAGED AND IS IN PROPER. ALGOMENT, INSTALLED FER INMUNIFACTIMETS INSTRUCTIONS. ELECTRICAL CONNECTIONS ARE IGNERED AND PROPERLY INSULATED WHEEL REQUIRED INJUST AND THE PROPER THE AND SIJE AND ELECTRICAL CONNECTIONS ARE IGNERAL THE AND SIJE AND ELECTRICAL CONNECTIONS ARE IGNERALLY AND SIJE AND ELECTRICAL CONNECTIONS ARE IGNERALLY AND SIJE AND ELECTRICAL CONNECTIONS ARE IGNERALLY AND SIJE AND ELECTRICAL CONNECTIONS.

4. NOTIFY OWNER IN WRITING OF ALL DISCREPANCIES BETWEEN DRAWINGS/SPECIFICATIONS AND FIELD INSTALLATIONS, OR IF THE VISUAL INSPECTIONS SHOW DAMAGE OR INFROPER INSTALLATION.

S. GENERAL: DURING AND UPON COMPLETION OF THE WORK, ARRANGE AND PAY ALL ASSOCIATED INSPECTIONS OF ALL ELECTRICAL WORK, INSTALLED, UNDER THIS CONTRACT. IN ACCORDANCE WITH THE CONDITIONS OF THE CONTRACT.

6. INSPECTIONS REQUIRED: AS PER THE LAWS AND REGULATIONS OF THE LOCAL AND/OR STATE AGENCIES HAVING JURISDICTION AT THE PROJECT SITE.

ALL ELECTRICAL SITE WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE DATED 2008.

I. THE EQUIPMENT AND MATERIAL SHALL BE FURNISHED AND INSTALLED TO OPERATE SAFELY AND CONTINUOUSLY OUTDOORS WITH NO PROTECTION FROM THE WEATHER.

ELECTRICAL WORK, REPRESENTED ON THE PROJECT DRAWNIGS 15 SHOWN DIAGSANMATICALLY. EXACT LOCATIONS AND ELEVATIONS OF ELECTRICAL EQUIPMENT SHALL BE DETERMINED IN THE FIELD AND VERIFIED WITH THE OWNER'S REPRESENTATIVE.

3. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF TEMPORARY, IF REQUIRED, AND PERMANENT POWER WITH THE LOCAL UTILITY COMPANY, THE TEMPORARY POWER AND ALL HOOKUP COSTS ARE TO BE PAID BY THE CONTRACTOR.

E ROAD HOREB, WI 53572 COUNTY

SCALE: NONE

SPECIFICATIONS

	I Q15/20 TO MARK DATE DI SSUE FINAL FROJECT TITLE:	Certicator i Stati	417 PINE S GREEN BA PH.: (920)
PRIMROSE	DESCRITION DATE C. BOATE C. BO		Cloud 417 PINE STREET FLOOR 2 GREEN BAY, WI 54301 PH.: (920) 940-0147
	06/06/2019		

5. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH FERMAREATTS WERE LABELED WITH WHITE FERMAREATES WERE LABELED LABELED LABELED LABELED LABELED LABELED LABELED LABELED WITH STAINLESS STEEL SCREWS. 4 PROVIDE MOLDED CASE BOLT-ON, INTERNAL MAGNETIC TREP SINGE. TWO OR THEET POLE CIRCUIT DEPERCES. MULTIPLE TOLE CROUT BECAUTES AND UTTER EDUCE CROUT THE SHALL BE SINGEL FANDLE COMMON THE SHORT CIRCUIT INTERNETING STATING SHALL BASE REQUIRED FOR AVAILABLE FAULT OURERNYS. ALL CIRCUIT BREAKTES, TUSSES AND ELECTRICAL EQUIPMENT SHALL FAMER CIRCUIT MERKETING SATING GOAL TO OR GRATER THAN THAT SHOWN ON PROJECT DRAWNINGS.

CONTRACTOR SHALL TERFORM ALL EXCAVATION, TRENCHING, CECHLIMS, AND EMPOVIL, OF DEBRES IN CONNECTION WITH THE CETRICAL WORK, IN ACCORDANATE WITH THE PROJECT DRAWNINGS, NITRACTOR SHALL COCROBINATE THE STALLATION DEBREADURED UTILITIES AND GROUNDING WITH THE FOUNDATION STALLATION.

7. CONTRACTOR SHALL REQUIDE ALL NECESSARY SUPPORTS FOR TOURNAM INSTALLED AS PART OF THIS PROJECT SUPPORTS SHALL CONSIST OF GALVANIZED STELL IRRAMES, FIATES, BRACKETS, RACKS AND OTHER SHAPES OF ADEQUATE SIZE AND FASTENED MITH BOLTS, SCREMS OR BY MELDING TO PROVIDE RIGID SUPPORT. CONTRACTOR SHALL CALL THE APPROPRIATE UTILITIES VIECTION SERVICE BEFORE ANY UNDERGROUND WORK 15 PERFORMED, IH AS TRENCHING, EXCAVATING, AND DRIVING GROUND RODS.

COMTRACTOR SHALL SEAL AROUND ELECTRICAL FEMETRATIONS ROUGH FIRE-RATED WALLSFILOORS USING APPROVED FIRE STOP TERIALS TO MANITAIN THE FIRE RESISTANCE RATING.

10. SHORT CIRCUIT RATINGS: PROVIDE EQUIPMENT WHIGHER FAULT CURRENT RATINGS AS NEEDED TO MATCH UTILITY COMPANY AVAILABLE FAULT CURRENT.

I. CONDUIT AND COMPUIT FITTINGS SHALL MEET AKSI AND NEC STANDARDS FOR MATERIAL AND WORKMANSHIP AND SHALL BE UL LISTED.

A RIGID STELL COMDUIT (FOR ALL ABOVE GRADE WORK) SYML COMPONITO AND LOOK HAT THE REQUIRE MENTS OF HEC FRANCARAPH 346 AND BE STANDARD WEIGHT, MILD RIGID STELL, HOT DIP GALVANIZED WITH HISTER AND OUTSIDE FINISHED WITH A FROTECTIVE ZINC COATING, CHONNO'S AND BORDS SHALL MEET THESE SAME FOR MENTS ON STAND STAND SHALL MEET THESE SAME FITTINGS SHALL BE OF THE GALVANIZED IRON OR STELL THERADED TYPE. B. PVC CONDUIT (FOR UNDERGROUND WORK) SHALL CONFORM TO STANDARD 65 I-89 AND THE REQUIREMENTS OF NEC. PARAGRAPH

C. EMT-CONDUIT FOR USE BEHIND WALLS OR ABOUT SUSPENDED CELLINGS ONLY). ELECTRIC METALLE CONFORM TO ARIS COS.3 AND THE REQUIREMENTS OF MEC. PRACECHE A340 AND BE REOTECTED ON EXTERORS WITH A LINC COATING AND ON INTERIOR SHALL BE ZINC COATING OR LACQUER ENAMEL. FITTINGS SHALL BE ZINC COATING OR LACQUER ENAMEL. FITTINGS SHALL BE ZINC COATING OR LACQUER ENAMEL. FITTINGS NDUIT SHALL BE HEAVY WALL TYPE, SCHEDULE 80, AND SUNLIGHT

2. MINIMUM CONDUIT SIZE SHALL BE 3/4 INCH, SIZES NOT SHOWN ON DRAWINGS SHALL BE PER NEC.

ALL SPARE CONDUITS SHALL HAVE A METALLIC OR MULL TAPE

CONDUIT SUPPORTS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AND IN ACCORDANCE WITH THE NEC.

A. INSTAIL A WARNING TAPE TWELVE INCHES ABOVE EACH CONDUIT OR SET OF CONDUITS. UNDERGROUND CONDUITS & ENCLOSURES.

C. INSTALL A MINIMUM OF 36 INCHES BELOW THE FINISHED GRADE, OR DEEPER IF NOTED ON PLAN DRAWINGS B. IDENTIFY EACH CONDUIT AT BOTH ENDS.

USE MANUFACTURED ELECTRICAL PVC ELBOWS AND FITTINGS FOR LOW GRADE BENDS.

MAKE JOINTS AND FITTINGS WATERTIGHT ACCORDING TO ANUFACTURER'S INSTRUCTIONS.

G, RESTORE SURFACE FEATURES DISTURBED BY EXCAVATION (AND TRENCHING) IN ALL AREAS. . INSTALL A COUPLING BEFORE EACH WALL PENETRATION

I. ALL CABLE TRAYS AND FITTINGS SHALL BE DESIGNED, MANUFACTURED AND TESTED IN CONFORMANCE WITH NEMA VE I

CABLE TRAYS SHALL BE LADDER TYPE WITH 9-INCH SPACING

4. CABLE TRAYS AND FITTINGS SHALL BE MANUFACTURED OF GALVANIZED STEEL. 3. CABLE TRAYS SHALL BE CAPABLE OF SUPPORTING 75 LBS/LINEAR FOOT.

5. CABLE TRAYS SHALL BE FURNISHED WITH COVERS WHERE SHOWN ON THE PROJECT DRAWINGS.

 $6.\,\,$ ALL DISCONTINUOUS SECTIONS OF CABLE TRAY SHALL BE BONDED ACROSS JOINTS.

I. ALL POWER, CONTROL AND COMMUNICATION WIRING SHALL MEET REQUIED NEMA-RATINGS, ASTIM, UL, AND NEC STANDARDS FOR MATERIAL AND WORKMANSHIP UNLESS OTHERWISE SPECIFIED.

A. SERVICE ENTRANCE CONDUCTORS SHALL BE COPPER, 200 VOLT, SUNLIGHT RESISTANT, SUITABLE FOR WET LOCATIONS, TYPE USE-Z. THE GROUNDED NEUTRAL CONDUCTOR SHALL BE IDENTIFIED WITH A WHITE MARKING AT EACH TERMINATION.

B. CONDUCTORS FOR FEEDER AND BRANCH CIRCUITS SHALL BE COPPER 200 VOLIT, TYPE THHNITHWN WITH A MINIMUM SIZE OF #12 AWG.

2 ALL CONDUCTOR ACCESSORIES NICLIDING CONNECTORS, TERMINATIONS, INSULATING MATERIAS, SUPPORT RAPES, MARKER AND CARLE TES SHALL BE FURNISHED AND NISTALLED. SUPPLIERS INSTALLATION INSTRUCTIONS SHALL BE DEFINITED FOR CABLE CACESSORIES, THESE INSTRUCTIONS SHALL BE IN THE PROSESSORIES THE CERTIFIAN WITHIE INSTRUCTIONS SHALL BE IN THE PROSESSORIES AND SHALL BE AVAILABLE TO THE COMPANY FOR REFERENCE.

TERMINAL CONNECTORS FOR COMPUTORS SMALER THAN 8 ANGILE COMPRESSION FOR CONNECTORS STATE OR THE CONDUCTOR
THE TERMINAL. THE CONNECTORS SHALL BE CONSTRUCTED OF FINE
ZE HIGH CONDUCTION COPPER IN ACCORDANCE WITH MICH.
ZE THA-FALTED IN ACCORDANCE WITH MICH.
SHALTED WAS ACCORDANCE WITH A CONNECTOR
WAS EXPERTED. AND
ZETRORS SURFACE OF THE CONNECTOR WITE BARSEL SHALL BE SERVATED. AND
ZETRORS SURFACE OF THE CONNECTOR WITE SHAREL SHALL BE
THE OWNER OF THE CONNECTOR WITE SHAREL SHALL BE

4. TERMINAL CONNECTORS FOR COMBUCTORS 8 AND ARGER SHALL BE PRESSURE OR BOLTED CLAWF THE BURNTY CHILLID, VARILID OR ACCEPTABLE EQUAL; OR COMPRESSION THE; BURNDY THE YAV OR ACCEPTABLE EQUAL, OR CO., OR LCC, OR ACCEPTABLE EQUAL ACCEPTABLE EQUAL ACCEPTABLE EQUAL ACCEPTABLE EQUAL CONNECTORS INCLIDED WITH COMPANY-FURNISHED DURINDHIT MAY BE USED. TERMINATION PROVISIONS OF EQUIPMENT FOR CREATINS RATED MAPPEES OR LESS, OR MARKED FOR NOS. 14 THROUGH!

MOTORS SHALL BE JUSTO ONLY FOR COMPLACTORS RATED OR DEG. 40 DEG. 7), CONDUCTORS WITH HEART TEMPERATURE RATINGS AND REPREMINED PROVIDED THE MAPPAGIT OF EACH CONDUCTOR ITEMAINED EACH ON THE CONDUCTOR OF THE MAPPAGIT OF THE CONTROL OF THE DUCTOR SET LESD.

G. TERMINATION PROVISIONS OF EQUIPAREIT FOR CRICUITS RATED OVER 100 AMPREES OR NAMERED FOR COMPUTORS LARGER THAN NO. 1, SHALL BE USED ONLY FOR COMPUTORS RATED 75 DEC. (17 DEG P). CONDUCTORS WITH HIGH TEMPERATURE RATINGS SHALL BE PERMITTED, PROVIDED THE AMPACITY OF LACH COMPUTORS IS DETERMINED DASE ON THE 75 DEC. C (167 DEC.F) AMPACITY OF THE COMPUTORS SEE USED.

ALL 600 VOLT OR LESS WRING, WHERE COMPRESSION THE LECTORS ARE LISED, SHALL BE INSULATED WITH AT LEAST ON OF "SCOTCHFILL" 200 AMP ELECTRICAL INSULATING PUTTY AND COVERED WITH TWO HALF TURKS OF TAPE SOMILAR TO 3M YANYS "33 FILLS" (33+) FLASTIC TAPE OR &B OUTDOOR.

8. THE ELECTRICAL SERVICE TO THE SITE SHALL BE GROUNDED ATTHE SERVICE DISCONNECTING MEANS REQUIRED IN ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE, IN ACCORDANICE WITH ANY LOCAL CODE.

ALL UNDERGROUND BELOW CRADE GROUNDING CONNECTIONS SHALL BE MADE BY THE COUNTED PROCESS (NECTIONICAL LIGHT ACHIVENTS BELOW GRADE ARE NOT ACCEPTABLE). CONNECTIONS SHALL INCLUDE ALL CARLE TO CABLE PUICES (TEES, As, ETC.). ALL WATERNAS USED MODES, WELDING METAL, TOOLS, ETC.) SHALL BE BY CARWELD AND INSTALLED FIR MANUFACTURERS RECOMMENDATION AND RECORDURES.

LIGHTNING PROTECTION MATERIAL SHALL BE FURNISHED BY AND INSTALLED BY CONTRACTOR.

MATERIAS, ALL HANGERS, SIPPORTS, PASTRIESS, AND HARDWARE SHALL BE ELIVIC COATED NO OF EQUIVALENT CORROSION RESISTANCE BY TREATMENT OR INHERENT PROPERTY, AND SHALL BE MANUFACTURED PRODUCTS DESIDED FOR THE APPLICATION, PRODUCTS FOR OUT BOT FACTORING PRODUCTS.

TYPES, HANGERS, STRAPS, RISER SUPPORTS, CLAMPS, U-CHANNEL, THREADED RODS, ETC. AS INDICATED OR REQUIRED.

3. INSTALATION, RIGIDY SUPPORT AND SECURE ALL MATERIALS RACEMAY AND EQUIPMENT BUILDING STRUCTURE USING HANGERS. SUPPORTS AND FASTEWES SUITABLE FOR THE USE, MATERIALS AND LOADS ENCOUNTEEN, PROVIDE IN WECESARY HARDWARE, PROVIDE CONDUIT SUPPORTS AT MAXIMUM 5 FT. O.C.

OVERHEAD MOUNTING, ATTACH OVERHEAD MOUNTED EQUIPMENT TO STRUCTURAL FRAMEWORK OR SUPPORTING METAL FRAMEWORK.

WALL MOUNTING, SUPPORT WALL MOUNTED EQUIPMENT BY MASONRY, CONCRETE BLOCK, METAL FRAMING OR SUB-FRAMING

417 PINE STREET FLOOR 2 GREEN BAY, WI 54301 PH.: (920) 940-0147

cloud

INDEPENDENT SUPPORT, DO NOT SUPPORT MATERIALS OR EQUIPMENT FROM OTHER EQUIPMENT, PIPING, DUCTWORK OR SUPPORTS FOR SAME.

SECUMY SUPPORTS, REDIV SUPPORT ALL RACEMAY WITH MAMMIN SPAGNICS PER, NEC. AND 30 AS TO REPERTUD PISOREDION OF ALIGNMENT DURING PILLING OFFENTION, USE APPROVED HANGESS, CLAMPS AND STRAPS OR NIDOVIDUAL RULE, DO NOT USE PERFORATIO SINAPS TORNING PROVIDUAL RULE, DO NOT USE PERFORATIO SUN TOGETHER, USE TRAPEZ TYPE HANGE REPARAMENT MADE ROMN OF AUTOTIONAL RACEMAYS, REGIVELY ANGENOR VIETCHAL CONDUITES SERVING FLOOR MOUNTED ON TOTAL SUPPRISON MOUNTED AWAY PROVIDED THE EQUIPMENT MOUNTED AWAY PROVIDED TO STRAND THE EQUIPMENT MOUNTED AWAY PROVIDED AND THE PROVINCE AND STRAND THE PROVINCE AND STRAND PROVIDED AWAY PROVIDED

MISCELLANEOUS SUPPORTS, PROVIDE ANY ADDITIONAL STRUCTURAL SUPPORT STEEL BRACKETS, ANGLES, FASTENERS, AND HARDWARE AS REQUIRED TO ADEQUATELY SUPPORT ALL ELECTRICAL MATERIALS AND EQUIPMENT.

(1) GENERAL: PROVIDE AL CUTTING, PRELING, CHASING, FITTING AND PATCHING NECESARY FOR ACCOMPLISHING THE WORK, IT IS INCLUDES AN AND ALL WORK NECESSARY TO UNCOVER WOR KEY OF PROVIDE FOR NISSTALATION OF ILL INCLUS WORK, ENDOUGH AND REPLACE DEFECTIVE WORK AND WORK NOT CONFORMING TO THE REQUIRED WERE AND WORK NOT CONFORMING TO THE REQUIRED WERE SOME THE CONFIGACIONETTS. IN ISSUE ACCUMENTS OF THE CONFIGACIONETS.

3. REPAIRS. REPAIR ANY AND ALL DAMAGE TO WORK OF OTHER TRADES CAUSED BY CUITING AND PATCHING OPERATIONS, USING SKILLED MECHANICS OF THE TRADES INVOLVED. Buiding structure: Do not endanger the integrity of the iding structure by culting, breiling or otherwise dipting any structure almoster without specific approval, not proceed without any structureal, hoppingations without imssion of the project structureal engineer. SPECIFIC APPROVAL.

COURTENENT: PROVIDE ALL HOLES, SLEEVES, AND OPENINGS
COURTED FOR THE COMMETTION OF WORK, AND RESTORE ALL SURFACES
FROM THE COMMETTION OF WORK, AND RESTORE ALL SURFACE
ALL FIRE AND SWORLES AND DAKENED LISHOUS APPOUND THE STOPPING
ON STEEL WILLESS AND THE BREEF STRUCTURAL LEDICHTS OF RETEVES,
DO NOT CUT, DANAGE CR DESIDERS STRUCTURAL LEDICHTS OF RETEVES,
DO NOT CUT, DANAGE CR DESIDERS STRUCTURAL LEDICHTS OF RETEVES
AND THE PROJECT STRUCTURAL
WHITH OF THE PROJECT STRUCTURAL
WASHING.

2. COMDUIT PRAFFRATIONS: SIZE CORE PRILLING HOLES SO THAT AN A NULLAR SPACE FOR FOIR CLESS THAN LA HIGHT AND NOT MORE THAN LA HIGHT AND NOT MORE THAN LAW HIGH SPECIAL PREVIOUS ARE CUT NULLE UP FOR DEPLIED, PROPRIED SELECT HOUSE OF SHAN LAW HOLES FIRM HOUSE SHEEKEN FOR SHOULD PROVIDE SELECT HOUSES HAWN LAW CHANNO NORSE THAN I NOT ARROWD THE CONDUIT PRIE. ETC. PATCH AROUND THE SHEEKE TO WARE SHANGE SUPPLIES.

RAMAKER

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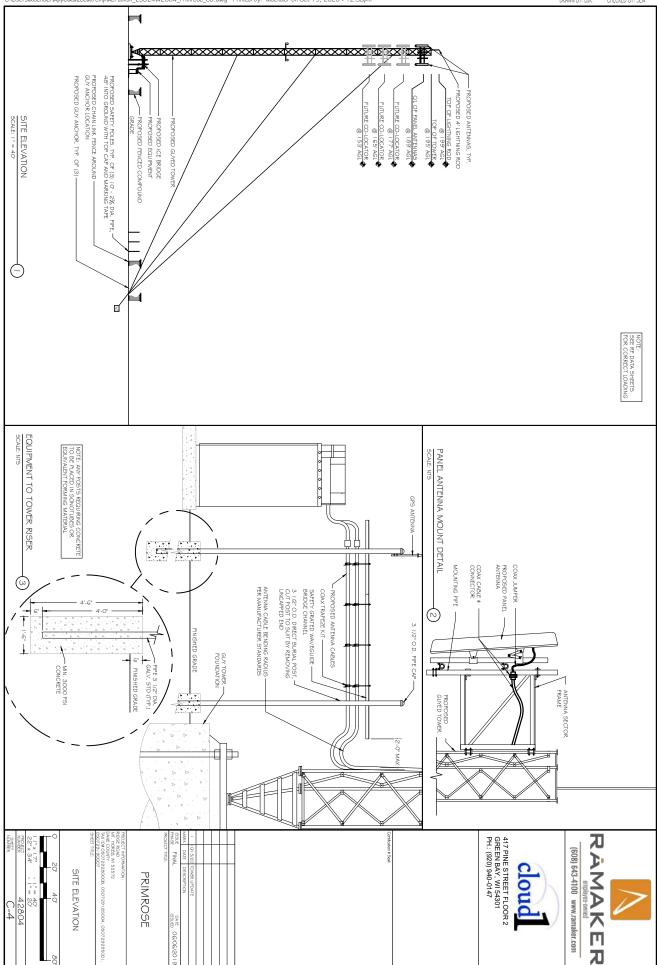
6. EXTERIOR WALLS, MOUNT ALL EQUIPMENT LOCATED ON THE INTERIOR OF EXTERIOR BUILDING WALLS AT LEAST ONE INCH AWAY FROM WALL SURFACE, USING SUITABLE SPACERS.

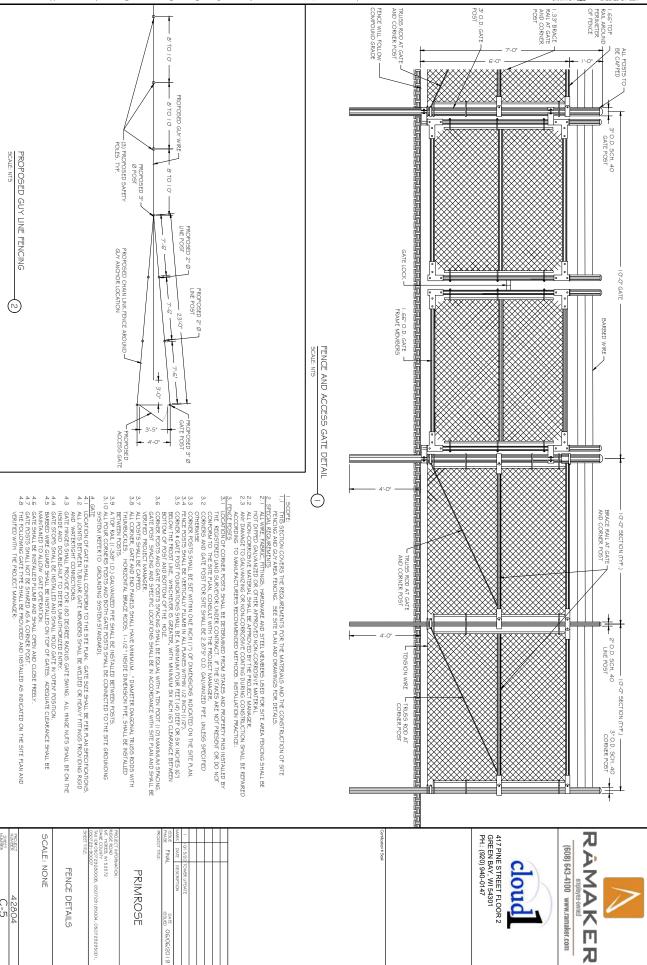
STRUCTURAL MEMBERS, DO NOT CUT, DRILL OR WELD ANY STRUCTURAL MEMBER EXCEPT SPECIFICALLY APPROVED BY THE ENGINEER.

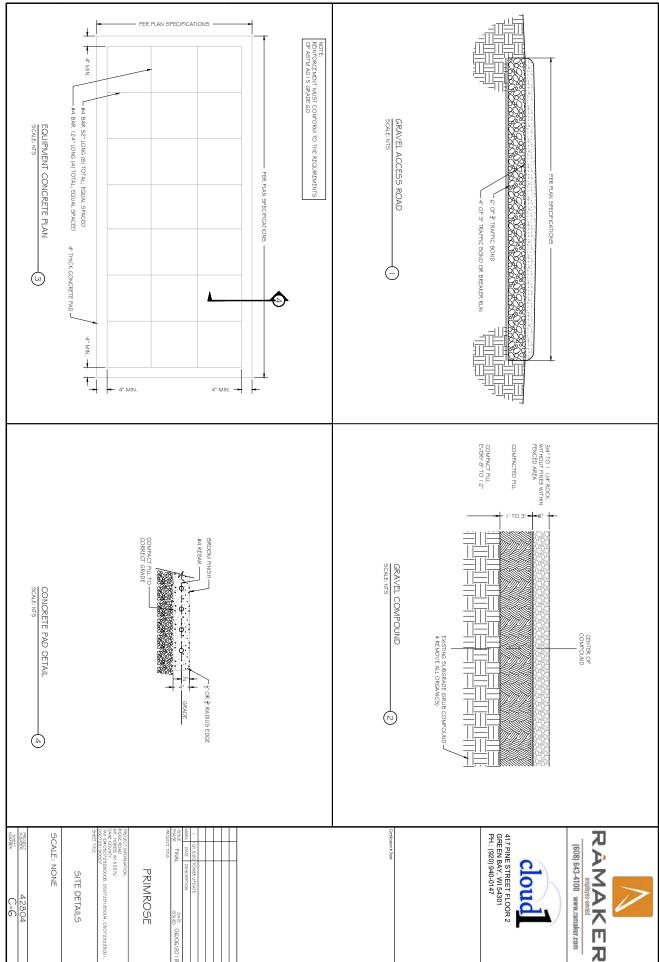
 \Box . ONE HOLE STRAPS SHALL NOT BE USED FOR CONDUITS LARGER THAN 3/4 INCH.

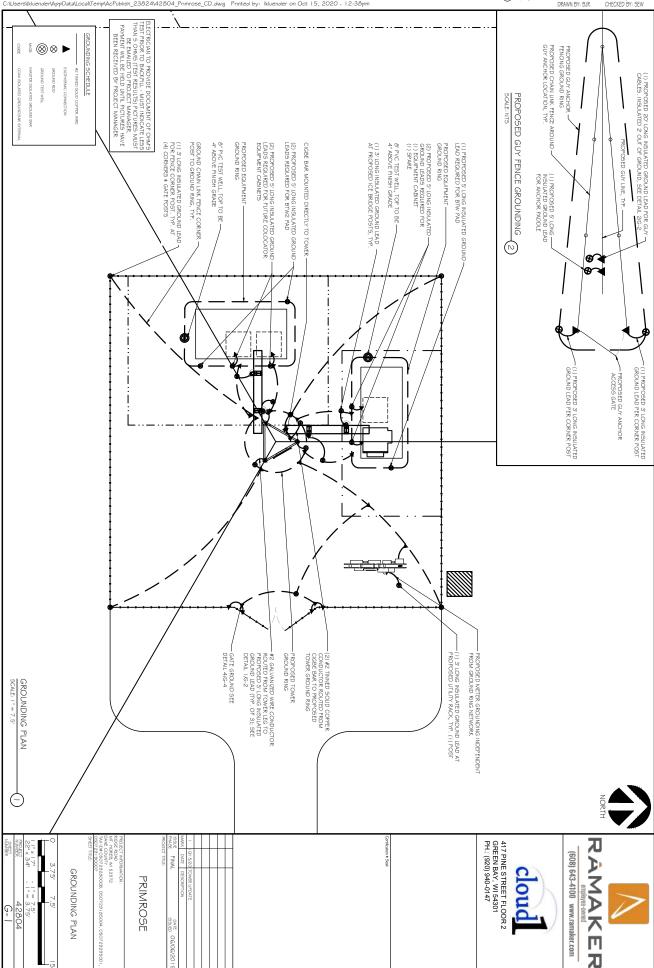
PROJECT RIPOMATON: RECK RADO MAT, 1965EN, W 53577 DNK COUNTY SONO CONTRACTOR OFFICE TITAL: SPECIFICATIONS SPECIFICATIONS
PROJECT INFORMATION; RIDGE ROJD MT. HOZEB, WI 53572 DANE COUNTY TAX (184 050729260006, 050729 (85004, 050729) 0507291 90007

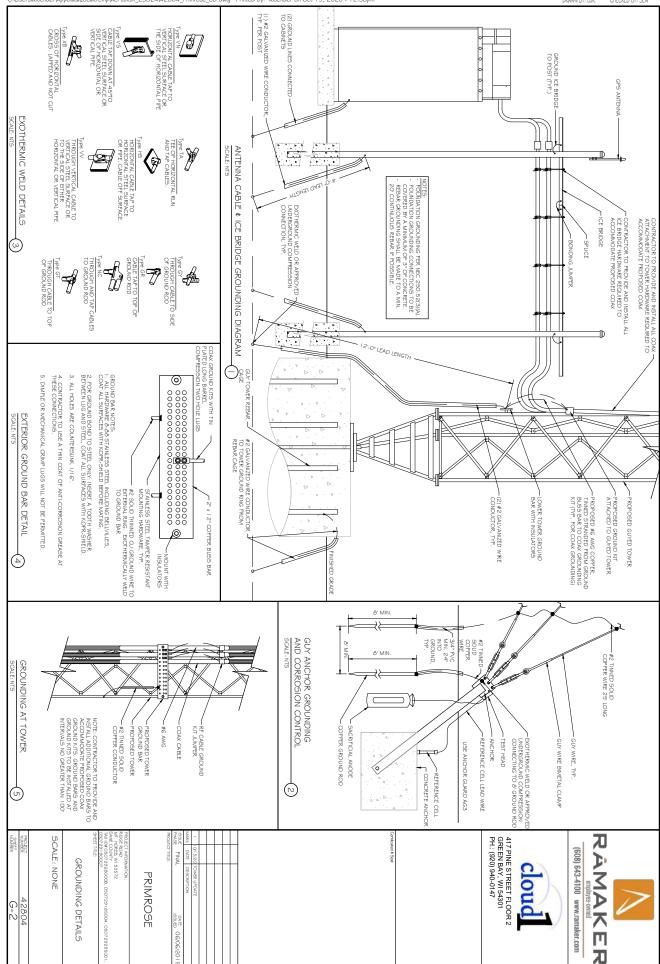
PRIMROSE

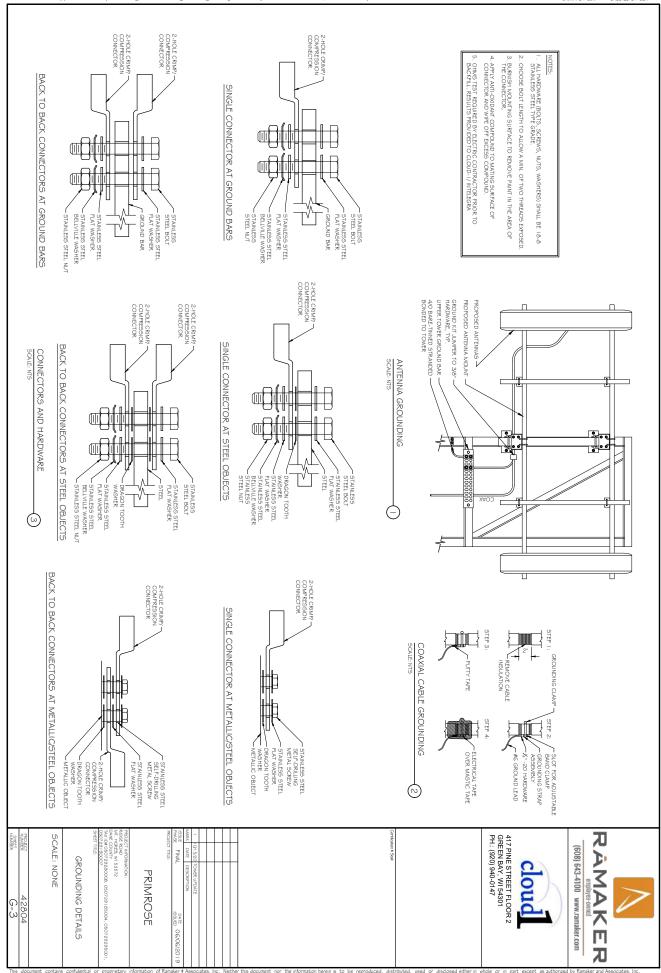


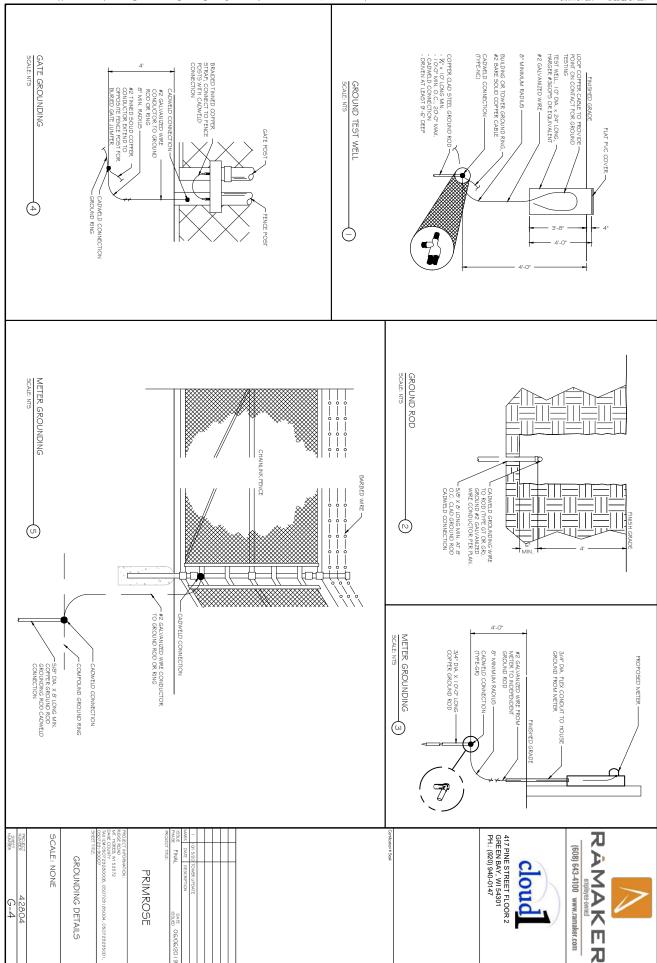












Gary Henshue



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. <u>DO NOT</u> 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

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



417 Pine Street

P.O. Box 1060

Green Bay, WI 54301

August 4, 2020

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

Phone 608-832-0578

Per Dane County Regulations this letter is to serve as notification of a proposed wireless facility and tower being proposed at coordinates 42.88359, -89.69233 approximately 3.05 miles to the east of your location.

The site is currently in review by Dane County for a Conditional Use Permit.

Thank you,

JayWendt, Business Development Representative 608.852.6170 jay.wendt@bugtusselwireless.com



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Cardinal Ridge Airport

Mount Horeb, Wisconsin, USA



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Reserve a Hotel Room

FAA INFORMATION EFFECTIVE 12 SEPTEMBER 2019

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

Loc | Ops | Rwys | IFR | FBO | Links ☆ WI24 New Glaruse Blanchardville 89.8~W

Road maps at: MapQuest Bing Google

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

Aerial photo

No photo available

If you have an aerial photo of this airport that you would like to share with other users of ÁirNav.com, click here to send us your photo.

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 VOR name Freq Var MADISON VORTAC 108.60 03E MSNr226/24.0 LONE ROCK VOR/DME 112.80 00E LNRr146/29.9 JANESVILLE VOR/DME 114.30 03E JVLr301/34.5

Sectional chart

1 of 3 10/3/2019, 11:41 AM

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:

<u>C29</u> - 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	
T CALCULATE	DISTANCE	

Sunrise and sunset

Times for 03-Oct-2019 Local Zulu (UTC-5) (UTC) Morning civil twilight 06:31 11:31 Sunrise 07:00 12:00 18:37 Sunset 23:37 Evening civil twilight 19:05 00:05

Current date and time

Zulu (UTC) 03-Oct-2019 16:37:49 Local (UTC-5) 03-Oct-2019 11:37:49

METAR

KC29 031615Z AUTO 29012G17KT 5SM 17nm NE BKN016 OVC023 13/10 A3008 RMK

AO1 T01290100

031615Z AUTO 29013G23KT 10SM **KEFT**

18nm SE OVC013 12/10 A3010 RMK AO2

T01230098

KMRJ 031615Z AUTO 30009G17KT 10SM 20nm W BKN016 OVC020 08/06 A3012 RMK

AO₂

0315537 29010G19KT 10SM

KMSN 23nm NE OVC017 12/09 A3006 RMK AO2

SLP181 T01220094

031556Z AUTO 28013G20KT 10SM **KLNR**

28nm NW OVC016 12/08 A3011 RMK AO2

SLP191 T01170078

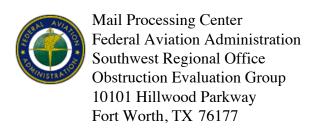
031615Z AUTO 29012G17KT 10SM **KPVB** 33nm W OVC020 12/10 A3014 RMK AO1

T01170100

TAF

031418Z 0314/0412 30010G19KT 23nm NE P6SM OVC015 FM031600 29012G23KT P6SM BKN015 FM031900 30012G22KT P6SM BKN023 FM040000 31008KT P6SM BKN040 FM040300 32007KT P6SM SCT120 FM040800 36005KT P6SM

NOTAMs



Issued Date: 06/14/2019

Jackie Merryfield 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-42804-DANE-5070-Cloud 1

Location: Mount Horeb, WI Latitude: 42-53-00.96N NAD 83

Longitude: 89-41-33.15W

Heights: 1126 feet site elevation (SE)

305 feet above ground level (AGL) 1431 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:

As a condition to this Determination, the structure is to be marked/lighted in accordance with FAA Advisory circular 70/7460-1 L Change 2, Obstruction Marking and Lighting, a med-dual system - Chapters 4,8(M-Dual),&12.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

	At least 10 days prior to start of construction (7460-2, Part 1)
X	Within 5 days after the construction reaches its greatest height (7460-2, Part 2

This determination expires on 12/14/2020 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 (718) 553-4199, or Dianne.Marin@FAA.GOV. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2019-AGL-8057-OE.

Signature Control No: 405362225-408463536

(DNE)

Dianne Marin Technician

Attachment(s)
Case Description
Frequency Data
Map(s)

cc: FCC

Case Description for ASN 2019-AGL-8057-OE

The proposed structure is a 300-foot guyed tower.	With all appurtenances,	the overall tower height is 305 fee
AGL.		

Frequency Data for ASN 2019-AGL-8057-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	2000	W
614	698	MHz	1000	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
2110	2120	MHz	2000	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 2019-AGL-8057-OE





UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION ANTENNA STRUCTURE REGISTRATION



OWNER: Cloud 1

FCC Registration Number (FRN): 0018139824

ATTN: Jackie Merryfield	Antenna Structure Registration Number	
Cloud 1 417 Pine Street Floor 2	1311635	
Green Bay, WI 54301	Issue Date 08-15-2019	
Location of Antenna Structure Along County Road G Mount Horeb, WI 53572 County: DANE	Ground Elevation (AMSL) 343.2 meters Overall Height Above Ground (AGL) 93.0 meters	
Latitude Longitude 42- 53- 00.9 N 089- 41- 33.1 W NAD83	Overall Height Above Mean Sea Level (AMSL) 436.2 meters	
Center of Array Coordinates N/A	Type of Structure GTOWER Guyed Structure Used for Communication Purposes	

FAA Chapters 4, 8, 12

Paint and Light in Accordance with FAA Circular Number 70/7460-1L

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).

Parcel Number - 048/0507-292-8000-8

Current

Parcel Summary

i di cei saiiiilai y				
Municipality Name	TOWN OF PRIMROSE			
Parcel Description	SEC 29-5-7 NE1/4 NW1/4			
Owner Names	JEFFREY L WEBBER BEVERLY A WEBBER			
Primary Address	No parcel address available.			

Current Year Assessment

Assessment Year	2019		
Valuation Classification	G4		
Assessment Acres	40.200		
Land Value	\$7,100.00		
Improved Value	\$0.00		
Total Value	\$7,100.00		

Assessment Contacts

Assessment Contact Information

For questions or to schedule an appointment contact:

Assessor ACCURATE APPRAISAL LLC

Phone 920-749-8098

Email INFO@ACCURATEASSESSOR.COM

Clerk RUTH HANSON Phone 608-318-4440

Email CLERK@TOWNOFPRIMROSE.COM

Open Book/Board Of Review Dates

Open Book

Open Book dates have passed for the year

Starts: 05/30/2019 - 05:00 PM Ends: 05/30/2019 - 07:00 PM

Board Of Review

Board of Review dates have passed for the year

Starts: 06/18/2019 - 05:00 PM Ends: 06/18/2019 - 07:00 PM

Zoning Information

For the most current and complete zoning information, contact the Division of Zoning.

Zoning

FP-35 DCPREZ-2019-00004

NOTICE: Some portion of this parcel either contains or is in close proximity to sensitive environmental features (i.e. shorelands, floodplains, or wetlands), and Dane County regulations may apply. Please contact the Dane County Zoning Division at (608) 266-4266 for additional permitting information.

Zoning District Fact Sheets

Parcel Map



Current Year Taxes (2018)

Assessed Land Value	Assessed Improvement Value	Total Assessed Value	
\$6,900.00	\$0.00	\$6,900.00	
Taxes:		\$125.51	
Lottery Credit(-):		\$0.00	
First Dollar Credit(-):		\$0.00	
Specials(+):		\$0.00	
Amount:		\$125.51	

Districts

Туре	State Code	Description
REGULAR SCHOOL	3934	NEW GLARUS SCHOOL DIST
TECHNICAL COLLEGE	0400	MADISON TECH COLLEGE
OTHER DISTRICT	24NG	NEW GLARUS FIRE
OTHER DISTRICT	24E3	EMS NEW GLARUS

Recorded Documents

Doc. Type	Date Recorded	Doc. Number	Volume	Page
WD	04/12/1994		12381	77