



June 20, 2022

Cloud 1 Services, LLC  
Alicia Broeren, Paralegal  
417 Pine Street  
Green Bay, Wisconsin 54301

**SUBJECT: NEPA SCREENING REPORT & CHECKLIST**

**SITE: CUMBERLAND AVE (SITE NUMBER: WI22069-6422)  
CUMBERLAND AVENUE  
BERLIN, WAUSHARA COUNTY, WISCONSIN 54923  
RAMAKER & ASSOCIATES PROJECT NUMBER: 54786**

Dear Alicia,

Ramaker & Associates, Inc. (Ramaker) was retained by Cloud 1 Services, LLC (Cloud 1) to complete a National Environmental Policy Act of 1969 (NEPA) Screening Report & Checklist (NEPA Screen) for the proposed site development activities associated with the above-referenced site.

Based on the review of the FCC Special Interest Items as outlined in *47 CFR §1.1307 (a) (1) through (8)*, unless triggered by an RF NEPA issue under 1.1307 (b), this project will not have a significant environmental impact. It is the opinion of Ramaker that this project is categorically excluded from further environmental processing, and preparation of an Environmental Assessment is not required.

Project recommendations and requirements are included in Section 5.2 of the attached report. The recommendations and requirements include both site-specific (if appropriate) and general recommendations. Following the recommendations and requirements is critical to avoiding significant environmental impacts to NEPA categories.

A NEPA Screening Checklist summarizing these items is included with this summary. If you have any questions or comments, please do not hesitate to contact our office.

Sincerely,

RAMAKER & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read "E. York", with a horizontal line extending to the right.

Elliott York, Environmental Specialist

Attachments: NEPA Screening Report & Checklist



## NEPA SCREENING CHECKLIST

<b>SITE NAME (SITE NUMBER):</b>	Cumberland Ave (WI22069-6422)
<b>ADDRESS:</b>	Cumberland Avenue in Berlin, Waushara County, Wisconsin
<b>LATITUDE:</b>	44° 1' 38.65" North
<b>LONGITUDE:</b>	88° 54' 53.57" West

**Will the facility be located in an officially designated wilderness area, per 47 CFR §1.1307(a)(1)?**

Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	<b>Consulting Agency To Contact:</b> NPS, USFWS & BLM <b>Comments:</b> See Section 3.1 for details.
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**Will the facility be located in a designated wilderness preserve, per 47 CFR §1.1307(a)(2)?**

Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	<b>Consulting Agency To Contact:</b> NPS, USFS & BLM <b>Comments:</b> See Section 3.2 for details.
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**Will the facility affect listed or proposed threatened or endangered species or designated critical habitats; or jeopardize the continued existence of any proposed endangered or threatened species or likely to result in the destruction or adverse modification of proposed critical habitats, as determined by the Secretary of the Interior pursuant to the Endangered Species Act of 1973, per 47 CFR §1.1307(a)(3)?**

Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	<b>Consulting Agency To Contact:</b> USFWS & State Equivalent <b>Comments:</b> See Section 3.3 for details.
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**Will the facility affect districts, sites, buildings, structures, or objects significant in American history, architecture, archeology, engineering, or culture, that are listed, or are eligible for listing in the National Register of Historic Places, per 47 CFR §1.1307(a)(4)?**

Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	<b>Consulting Agency To Contact:</b> SHPO, THPO & NHOs <b>Comments:</b> See Section 3.4 for details.
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**Will the facility affect Indian religious sites, per 47 CFR §1.1307(a)(5)?**

Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	<b>Consulting Agency To Contact:</b> THPO, NHOs & Bureau of Indian Affairs <b>Comments:</b> See Section 3.5 for details.
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**Will the facility be located in a floodplain, per 47 CFR §1.1307(a)(6)?**

Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	<b>Consulting Agency To Contact:</b> FEMA <b>Comments:</b> See Section 3.6 for details.
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**Will the facility involve a significant change in surface features, per 47 CFR §1.1307(a)(7)?**

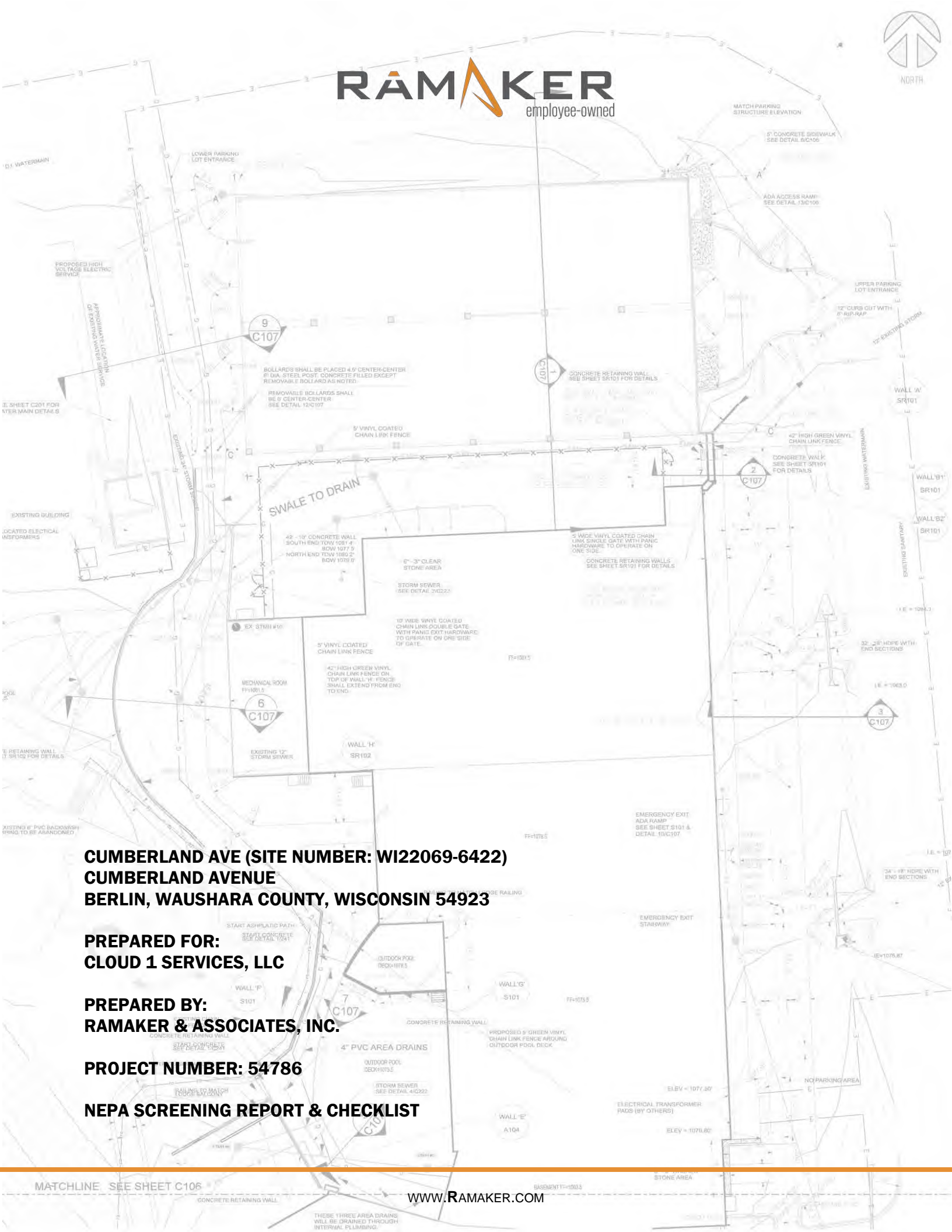
Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	<b>Consulting Agency To Contact:</b> US Army Corps of Engineers <b>Comments:</b> See Section 3.7 for details.
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**Will the facility be equipped with high intensity white lights in a residential neighborhood, per 47 CFR §1.1307(a)(8)?**

Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	<b>Consulting Agency To Contact:</b> Not Applicable <b>Comments:</b> See Section 3.8 for details.
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**Facilities that may result in human exposure to radiofrequency radiation in excess of the applicable safety standards specified in 47 CFR §1.1307 (b).**

Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	<b>Consulting Agency To Contact:</b> Not Applicable <b>Comments:</b> This NEPA Screen did not include a review of facilities that would result in human exposure to radiofrequency radiation in excess of the applicable safety standards as specified in §1.1307(b). The Cloud 1 radiofrequency engineers must ensure that the proposed telecommunications site will comply with appropriate radiation safety standards and FCC MPE requirements.
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**CUMBERLAND AVE (SITE NUMBER: WI22069-6422)**  
**CUMBERLAND AVENUE**  
**BERLIN, WAUSHARA COUNTY, WISCONSIN 54923**

**PREPARED FOR:**  
**CLOUD 1 SERVICES, LLC**

**PREPARED BY:**  
**RAMAKER & ASSOCIATES, INC.**

**PROJECT NUMBER: 54786**

**NEPA SCREENING REPORT & CHECKLIST**

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## **1.0 EXECUTIVE SUMMARY**

### **1.1 SUMMARY OF ACTION**

Ramaker & Associates, Inc. (Ramaker) was retained by Cloud 1 Services, LLC (Cloud 1) to complete a National Environmental Policy Act (NEPA) Screening Report & Checklist (NEPA Screen). The NEPA Screen included a review of the Federal Communications Commission (FCC) Special Interest Items as outlined in 47 CFR §1.1307 (a) (1) through (8).

### **1.2 OVERVIEW OF PROJECT**

This NEPA Screen was prepared for the proposed telecommunications facility<sup>1</sup> project. The proposed activity is located along Cumberland Avenue in Berlin, Waushara County, Wisconsin. The property is further identified as being located in the Southeast ¼ of Section 14, Township 18 North, Range 13 East. The location of the property is depicted on the attached Auroraville, Wisconsin Quadrangle. The project is also identified as being located at 44° 1' 38.65" North and 88° 54' 53.57" West.

The property is an approximately 100-foot by 100-foot area and is currently vacant land. The proposed development includes construction of a guyed tower and the installation of telecommunications equipment within a fenced compound. The compound was designed to be suitable for additional equipment cabinets. Utilities will be routed underground from the Cumberland Avenue right-of-way to the property within the proposed shared access and utility easement. Access to the property will be from Cumberland Avenue along the existing and proposed gravel access drive within the easement. Additional site development details are included in the attached figures.

The property was historically utilized for agriculture dating back to 1960 and became vacant land by 1982. The surrounding area is currently characterized by wooded and agricultural lands with scattered farmsteads located along neighboring roadways.

Figures 1 through 4 include the location of the *property* on the Auroraville, Wisconsin Quadrangle, photographs of the *property* and surrounding area, a site plan/sketch, and an aerial photograph of the project area.

As part of this NEPA Review, Ramaker compared the original site plan (submitted to the governmental agencies and potentially interested consulting parties as part of their evaluation) to the final site plan, included as Figure 3 of this report. The comparison was focused on the site's design characteristics, including: tower height, tower type (monopole, lattice, guyed, etc.), compound size, compound location, utility/access easement width as well as utility/access easement location. While deviations between the two site plans can be noted, the characteristics of the final site plan were included in the overall area of consideration. As such, no additional consultation was considered necessary due to the design changes.

### **1.3 SUMMARY OF RESULTS**

Based on the review of the FCC Special Interest Items as outlined in 47 CFR §1.1307 (a) (1) through (8), unless triggered by an RF NEPA issue under 1.1307 (b), this project will not have a significant environmental impact. It is the opinion of Ramaker that this project is categorically excluded from further environmental processing, and preparation of an Environmental Assessment (EA) is not required.

Project recommendations and requirements are included in Section 5.2. The recommendations and requirements include both site-specific (if appropriate) and general recommendations. Following the recommendations and requirements is critical to avoiding significant environmental impacts to NEPA categories.

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<sup>1</sup> "Facility" is defined by the FCC as a Tower or an Antenna. The term Facility may also refer to a Tower and its associated Antenna(s).

## 2.0 INTRODUCTION

### 2.1 NEPA SCREEN BACKGROUND

NEPA requires federal agencies to consider the environmental impacts of their proposed actions and reasonable alternatives to those actions. To fulfill this mandate, the FCC adopted its NEPA rules (47 CFR., Subpart I – Procedures Implementing the National Environmental Policy Act of 1969, §§1.1301 to 1.1320), which identifies that specific actions are categorically excluded from environmental processing.

As a licensing agency, the FCC complies with NEPA by requiring applicants for licenses (including those involving the construction of wireless telecommunications facilities) to review the environmental consequences of their proposed actions.

In 47 CFR §1.1307 (a) and (b), the FCC identifies actions for which EAs must be prepared. Per §1.1306 (a), if the actions are not covered in 47 CFR §1.1307 (a) and (b), they “[...] are deemed individually and cumulatively to have no significant effect on the quality of the human environment and are categorically excluded from environmental processing.” Actions that require an EA include:

- Facilities located in an officially designated wilderness area.
- Facilities located in a designated wilderness preserve.
- Facilities which may affect listed or proposed threatened or endangered species or designated critical habitats; or is likely to jeopardize the continued existence of any proposed endangered or threatened species or likely to result in the destruction or adverse modification of proposed critical habitats, as determined by the Secretary of the Interior pursuant to the Endangered Species Act of 1973.
- Facilities that may affect districts, sites, buildings, structures, or objects significant in American history, architecture, archeology, engineering, or culture, that are listed, or are eligible for listing in the National Register of Historic Places.
- Facilities that may affect Indian religious sites.
- Facilities located in a flood plain.
- Facilities that involve a significant change in surface features.
- Antenna towers equipped with high intensity white lights that are located in a residential neighborhood.
- Facilities that may result in human exposure to radiofrequency radiation in excess of the applicable safety standards specified in §1.1307(b).

In other words, if a telecommunications project does not fall under any of the listed categories in section 1.1307, the project is deemed to have no significant environmental impact. Applications for such projects can proceed without providing any environmental documentation to the FCC, although the licensee is advised to maintain documentation supporting its determination of no significant effect in the event that these records are requested by the FCC.

Additional policies are outlined in the *Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process, March 7, 2005 47 CFR, Appendix C to Part 1 (NPA)*, and the *First Amendment to Nationwide Programmatic Agreement for the Collocation of Wireless Antennas, August 8, 2016 (Revised Collocation Agreement)*.

### 2.2 SCOPE OF SERVICES

Ramaker was retained to conduct an environmental screening of the FCC Special Interest Items as outlined in 47 CFR, Section 1.1307 (a) (1) through (8). The NEPA Screen and the attached figures, correspondence and exhibits are provided to document potential impacts to the FCC Special Interest Items.

The NEPA Screen prepared by Ramaker provides a determination, pursuant to FCC’s regulations, of whether the proposed project will have a significant environment impact and thus, whether it is categorically excluded from further environmental processing. The NEPA Screen also provides documentation supporting this determination.

Unless otherwise noted, this NEPA Screening Report also includes additional standards as required by Cloud 1.

### **2.3 STATEMENT OF USER RELIANCE**

This report was prepared by Ramaker for the exclusive use of Cloud 1. No other party shall have any right to rely on any service provided by Ramaker without prior written consent by Ramaker.

### **2.4 LIMITATIONS**

This NEPA Screen did not include a review of facilities that would result in human exposure to radiofrequency radiation in excess of the applicable safety standards as specified in §1.1307(b).

This report was performed in accordance with the generally accepted practices in the field of environmental consulting. The analysis and recommendations indicated in this report are based upon the best current available information as reviewed by Ramaker.

The results of this report are based upon the professional interpretation of readily available information gathered during this evaluation. Ramaker considers that the information provided by the cited references is complete and accurate. Ramaker does not warrant that this report represents an exhaustive study of all potential environmental effects or impacts that will result from construction of the facility. Ramaker reserves the right to alter the opinions offered in this report if additional information concerning the environmental characteristics facility and surrounding area should become available. No warranty, expressed or implied, is made.

### 3.0 FCC SPECIAL INTEREST ITEMS

The following is a review of the project's potential impact to the FCC Special Interest Items as outlined in 47 CFR, §1.1307 (a) (1) through (8). Under 47 CFR §1.1306- §1.1307, the NPA, and the Revised Collocation Agreement, construction of certain facilities is excluded from review of NEPA Special Interest Items.

As part of this NEPA Screen, Ramaker completed a Preliminary NEPA Review Summary. The report is included as Appendix A of this report and includes a summary of the FCC Special Interest Items that require review for this project. When categories can be excluded from review, additional information regarding the exclusion is provided in the attached report.

#### 3.1 CHECKLIST ITEM # 1 - DESIGNATED WILDERNESS AREAS

**§ 1.1307 (a) (1) - Facilities that are to be located in an officially designated wilderness area.**

##### Background

The Wilderness Act of 1964 allowed certain lands to become officially designated wilderness areas. Four federal agencies manage officially designated wilderness areas in the United States; the United States Department of Interior - Bureau of Land Management (BLM), the National Park Service (NPS), the United States Forestry Service (USFS), and the United States Fish and Wildlife Service (USFWS). In addition, states may designate equivalent wilderness areas, also known as "natural areas."

##### Research & Review

The following resources and reviews were utilized to evaluate this NEPA item:

- 1) **National Wilderness Preservation System Map** – The *property* is not within a designated Federal wilderness area.
- 2) **Wisconsin State Natural Areas Map** – The *property* is not within public land that is designated as a State natural area.
- 3) **Auroraville, Wisconsin USGS Topographic Map** – The *property* is not depicted within a Federal wilderness area or State natural area.

Ramaker also reviewed the National Wild and Scenic River Systems map. The *property* is not located within close proximity to an officially designated Wild or Scenic River.

##### Finding

**This facility will not be located in an officially designated wilderness area.**

#### 3.2 CHECKLIST ITEM # 2 - DESIGNATED WILDLIFE PRESERVES

**§ 1.1307 (a) (2) - Facilities that are to be located in an officially designated wildlife preserve.**

##### Background

Officially designated wildlife preserves, which are formally known as refuges, are managed by the USFWS. The fundamental conservation mission and wildlife dependent recreation areas for refuge were outlined in the National Wildlife Refuge System Improvement Act of 1997. Wildlife refuges provide habitat for wildlife, including threatened and endangered plant and animals. In addition, wildlife refuges are used by migratory birds. The USFWS National Wildlife Refuge System includes wildlife refuges in every state, wetland management districts, and other protected areas. States may also designate wildlife preserves and areas.

##### Research & Review

The following resources and reviews were utilized to evaluate this NEPA item:

- 1) **National Wildlife Refuge System Map** – The *property* is not within a designated Federal wildlife preserve.
- 2) **Wisconsin State wildlife preserve map** – The *property* is not within public land that is designated as a State wildlife preserve.

- 3) **Auroraville, Wisconsin USGS Topographic Map** – The *property* is not depicted within a Federal wildlife preserve or State natural area.

**Finding**

This facility will not be located in an officially designated wildlife preserve.

**3.3 CHECKLIST ITEM # 3 - LISTED THREATENED OR ENDANGERED SPECIES OR DESIGNATED CRITICAL HABITAT**

***§ 1307 (a) (3) - Facilities that: may (i) affect listed threatened or endangered species or designated critical habitats; or (ii) are likely to jeopardize the continued existence of any proposed endangered or threatened species or likely to result in the destruction or adverse modification of proposed critical habitats, as determined by the Secretary of the Interior pursuant to the Endangered Species Act of 1973.***

***NOTE:*** The list of endangered and threatened species is contained in 50 CFR 17.11, 17.22, 222.23(a) and 227.4. The list of designated critical habitats is contained in 50 CFR 17.95, 17.96 and part 226. To ascertain the status of proposed species and habitats, inquiries may be directed to the Regional Director of the Fish and Wildlife Service, Department of the Interior.

**Background**

The Endangered Species Act (ESA) of 1973 (16 U.S.C. §§ 1536) directs federal agencies to utilize their authorities in furtherance of the purposes of the ESA by carrying out programs for the conservation of “Listed Threatened Species, Endangered Species, or Designated Critical Habitats” (Listed Species). In addition, Section 7 of the Act sets out the consultation process, which is further implemented by Title 50 of the Code of Federal Regulations (50 CFR § 402).

Under 50 CFR § 402, Federal agencies must review their actions, review a list of species and critical habitat that may be in the project area, and determine whether the action may affect any of those species or their critical habitat. No further consultation is required if species and their critical habitat will not be affected. Informal or formal consultation is required for actions which may affect species or their critical habitat.

In addition to federally protected species, individual states may identify endangered and threatened species and critical habitat that are subject to protection under state law.

The construction of new telecommunication facilities (towers more specifically), creates a potentially significant impact on migratory birds, especially approximately 350 species of night-migrating birds. Please note that the Migratory Bird Treaty Act (MBTA) (16 U.S.C. 703-712) prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Department of the Interior. While the MBTA has no provision for allowing unauthorized take, it must be recognized that some birds may be killed at structures, such as communications towers, even if all reasonable measures to avoid it are implemented.

The USFWS’s Division of Law Enforcement carries out its mission to protect migratory birds not only through investigations and enforcement, but also through fostering relationships with individuals and industries that proactively seek to eliminate their impacts on migratory birds. While it is not possible under the MBTA to absolve individuals or companies from liability if they follow these recommended guidelines, the Division of Law Enforcement and the Department of Justice have used enforcement and prosecutorial discretion in the past regarding individuals or companies who have made good faith efforts to avoid the take of migratory birds.

FCC’s implementation date of the NEPA Compliance for Proposed Antenna Structure Registrations, Effects of Communications Towers on Migratory Birds (WT Docket No. 08-61, WT Docket No. 03-187, *Order on Remand* (12.09.11)), adopts procedural measures to ensure that migratory birds are fully considered prior to construction. In addition, under the Note to paragraph (d) of Section 1.1307, the Commission requires an Applicant to prepare an EA that considers the effects on migratory birds when a proposed antenna structure will be over 450 feet above ground level (AGL).



## Research & Review

The following resources and reviews were utilized to evaluate this NEPA item:

- 1) **USFWS Tower Siting Guidelines** – USFWS offers recommendations for construction of telecommunications facilities. USFWS strongly recommends that towers are constructed no more than 199 feet AGL, using construction techniques that do not require guy wires. In addition, USFWS offers lighting recommendations for towers that require lights for aviation safety. Further, USFWS recommends daytime visual markers on guy wires to prevent migratory bird collisions. The proposed facility is over 199 feet AGL, and may require FAA lighting, and the use of guy wires. Please see Ramaker’s recommendations for future actions and tower site design recommendations included in Section 5.2.
- 2) **USFWS Section 7 Review & IBA** – The USFWS Section 7 consultation included the preparation of an IBA. The USFWS consultation protocol was completed pursuant to Section 7 of the Endangered Species Act<sup>2</sup> as a “designated non-Federal entity”. The IBA included research into USFWS and Wisconsin DNR (see below) published information regarding listed species and the associated habitats. The listed species summary list was further refined due to the project location. Due to the scope of Cloud 1 construction activities, including the potential for tree removal, it was determined that the proposed undertaking may have the potential to affect the Northern Long-Eared Bat (*Myotis septentrionalis*). Section 4(d) of the Endangered Species Act directs the USFWS to issue regulations deemed “necessary and advisable to provide for the conservation of threatened species.” In response to the USFWS’s Final 4(d) rule<sup>3</sup> regarding the Northern Long Eared Bat, Ramaker completed the applicable Section 7 consultation activities. As part of these activities, Ramaker utilized the Information for Planning and Consultation (IPaC) system to submit(ted) a summary of the proposed undertaking. As no comments were received from the USFWS within the allotted 30 days (40 days utilized by Ramaker), Ramaker concluded that the proposed Cloud 1 undertaking will result in “No Effect” to the Northern Long-Eared Bat. Due to the “No Effect” findings associated with the Northern Long Eared Bat, coupled with the similar findings for other species noted in the project vicinity, Ramaker concluded that the Section 7 consultation was complete and no further consultation with USFWS was required. Please see Section 5.2 for species conservation recommendations and requirements.
- 3) **State Review** – Ramaker consulted with the Wisconsin DNR regarding the proposed facility. A copy of the communication activities and consultation are included as Appendix C of this report. As part of this consultation, Ramaker provided project information for review to the Wisconsin DNR. The response from the Wisconsin DNR identified that the project is not anticipated to adversely affect listed species or critical habitats.
- 4) **Migratory Bird Treaty Act review** – As quoted by the USFWS “the Migratory Bird Treaty Act (MBTA) prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Service. The Service has the responsibility under the MBTA to proactively prevent the mortality of migratory birds whenever possible and we encourage implementation of recommendations that minimize potential impacts to migratory birds. Such measures include clearing forested habitat outside the nesting season (generally March 1 to August 31) or conducting nest surveys prior to clearing to avoid injury to eggs or nestlings.

Ramaker has included the USFWS voluntary guidelines for minimizing impacts to Migratory birds and eagles as an appendix (*Recommended Best Practices for Communication Tower Design, Siting, Construction, Operation, Maintenance, and Decommissioning*).

- 5) **FCC Migratory Bird Impact Public Notice** – Ramaker coordinated with Cloud 1 to address the FCC’s migratory bird impact public notice requirements associated with new tower construction. Cloud 1 completed the FAA application process and received the proposed structure’s lighting requirements. With this information, Ramaker coordinated with Cloud 1 to complete the preliminary filing and receive the FCC “file number.” The FCC file number and the associated FAA lighting requirements were utilized to formulate a public notice that was published in the newspaper. A copy of the public notice is included as an appendix of this report. Any migratory bird impact comments received as part of this notice process were forwarded to Cloud 1 for appropriate consideration; Ramaker did not address any comments received unrelated to migratory bird impacts (e.g., FCC permitting requirements).

<sup>2</sup> Information about this process may be found at: [http://endangered.fws.gov/consultations/sec7\\_faq.html](http://endangered.fws.gov/consultations/sec7_faq.html). Section 2.3 contains a detailed discussion of how this process was completed. The USFS’s, “Section 7 Consultation Technical Assistance Decision Process for ‘No Effect’ Determinations” can be found on-line at [http://www.fws.gov/midwest/Endangered/section7/no\\_effect/index.html](http://www.fws.gov/midwest/Endangered/section7/no_effect/index.html).

<sup>3</sup> Information about this process may be found at: <https://www.fws.gov/midwest/endangered/mammals/nleb/4drule.html>

### Finding

This facility will not adversely affect listed threatened or endangered species or designated critical habitats and is not likely to jeopardize the continued existence of any proposed endangered or threatened species or likely to result in the destruction or adverse modification of proposed critical habitats. Please see Section 5.2 for site specific species conservation requirements and recommendations.

## **3.4 CHECKLIST ITEM # 4 - HISTORIC PLACES**

**§ 1.1307 (a) (4) - Facilities that may affect districts, sites, buildings, structures, or objects significant in American history, architecture, archeology, engineering, or culture, that are listed, or are eligible for listing in the National Register of Historic Places.**

### Background

FCC rules and policies pertaining to Section 106 Review under the National Historic Preservation Act (NHPA) are outlined in the Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process, March 7, 2005, the First Amendment to Nationwide Programmatic Agreement for the Collocation of Wireless Antennas, August 8, 2016 (Revised Collocation Agreement), 47 CFR §1.1307 (a)(4)(i), and 47 CFR §1.1320.

In the event that the project meets the exemption criteria provided in the Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process (NPA) (Sections III.A through III.F), the evaluation should include documentation supporting this determination and the NPA provides that no additional consultation with the State Historic Preservation Officer (SHPO) or Tribal Historic Preservation Officer (THPO) is required for the undertaking. Some exemptions still require completion of the process of participation of Indian Tribes and Native Hawaiian Organizations.

### Research & Review

The following resources and reviews were utilized to evaluate this NEPA item:

- 1) **Review for Exclusions from Section 106 Review** – Based on a review of the proposed project, this undertaking does not qualify for an exclusion from Section 106 review.
- 2) **Direct APE** – The Direct APE is limited to the area of potential ground disturbance and any property, or any portion thereof that will be physically altered or destroyed by the Undertaking. On November 24, 2008, the FCC further clarified that the Direct APE is limited to the tower or non-tower structure on which the collocation will be mounted as well as the lease area including the access route and utility corridor. As part of this evaluation, Ramaker reviewed the SHPO/THPO inventory of historic properties within the project's Direct APE. In addition, an archaeological reconnaissance review was performed at the property. It was the scope of the Direct APE evaluation to consider the footprint of the proposed undertaking, including an area surrounding the footprint of not less than 50 feet in all directions<sup>4</sup>. This footprint and the expanded area were considered as part of the Direct APE archaeological survey/evaluation. Ramaker's research and review concluded the undertaking would result in **"No Effect"** to cultural or historic properties in the Direct APE.
- 3) **Indirect APE** – Ramaker reviewed the SHPO/THPO inventory of historic properties within the project's Indirect APE. Ramaker's research and review found **"No Effect"** to historic properties in the Indirect APE.
- 4) **Public Participation** – Public participation included correspondence with the local government that has primary land use jurisdiction over the *property*, publication of the proposed undertaking in the newspaper, and correspondence with other agencies and parties who were considered potential sources of information. When possible, the Certified Local Government (CLG) was contacted for comment.
- 5) **Indian Tribes and NHOs** – See Section 3.5, below, for a full description of correspondence with potentially interested Indian Tribes and NHOs.
- 6) **Submission Packet FCC Form 620** – In accordance with the NPA, Ramaker completed a submission packet for submittal to the SHPO/THPO. The submission packet included a determination of **"No Effect"** to historic properties. The determination of **"No Effect"** was based on the evaluation of the Direct and Indirect APEs, public participation, and correspondence with potentially interested Indian Tribes and

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<sup>4</sup> Please note, the area considered as the Direct APE was limited to the host property and associated parcel(s).

NHOs. The submission packet was submitted to the SHPO electronically (E-106) and via certified mail (U.S. Postal Service).

The SHPO concurred with Ramaker's Assessment of Effects. A copy of the SHPO's concurrence is included as an attachment to this report.

### **Finding**

This facility will have "No Effect" on districts, sites, buildings, structures or objects significant in American history, architecture, archaeology, engineering, or culture that are listed, or are eligible for listing in the National Register of Historic Places.

## **3.5 CHECKLIST ITEM # 5 – INDIAN RELIGIOUS SITES**

### ***§ 1.1307 (a) (5) - Facilities that may affect Indian religious sites.***

#### **Background**

The FCC's Tower Construction Notification System (TCNS) was created to increase communication with Indian Tribes and NHOs in the context of the review required by Section 106 of the NHPA. FCC's TCNS provides early notification to potentially interested Indian Tribes and NHOs of proposed facilities.

#### **Research & Review**

The following resources and reviews were utilized to evaluate this NEPA item:

1. **Initial TCNS Filing** - Ramaker entered the project information into FCC's TCNS database. This activity then triggered notification to Tribal Nations and NHOs who have identified themselves as being potentially interested in FCC undertakings in the project area. This property's specific TCNS number was assigned by the FCC TCNS process as "Notification ID" number 247704.
2. **Project Information Submittal** - The FCC has determined that by providing the detailed information included in the FCC Form 620 submittal packages constitutes a good faith effort to supply the information reasonably necessary for Tribal Nations and NHOs to ascertain whether historic properties of religious and cultural significance to them may be affected by the undertaking. A project summary tracker, including records of communications with the Tribal Nations and NHOs, has been included as an attachment to this report. These records provide dates when submittal packages were originally provided to the tribes. In addition, these records provide a date when additional attempts to contact Tribal Nations and NHOs was completed by Ramaker.
3. **Escalation to FCC** - Approximately 30 days after Ramaker sent the Tribal Nations and NHOs project information (FCC Form 620 submittal packages), Ramaker referred correspondence with unresponsive Indian Tribes and NHOs to the FCC. These escalations included those completed through the FCC's TCNS website and those via the FCC's TCNS Help Desk. Subsequent to the referral of unresponsive tribes to the FCC, Ramaker received correspondence from the FCC identifying that the FCC initiated government to government contact with the unresponsive Indian Tribes and NHOs. Based on the FCC's guidance, unresponsive Tribal Nations and NHOs have received a request from the FCC requesting their comments on the proposed facility within 15 days of the letter being issued, obligations under Section IV of the NPA with respect to the unresponsive Indian Tribes and NHOs is complete.

In summary, Ramaker opines that all appropriate due diligence was completed following the FCC's "Best Practices Policy" and that all appropriate Tribal Nations and NHOs were provided an opportunity to provide comment. Copies of the consultation records are included upon request.

### **Finding**

The proposed activity will not affect Indian religious sites.

### 3.6 CHECKLIST ITEM # 6 - 100-YEAR FLOODPLAIN

#### § 1.1307 (a) (6) - Facilities to be located in a floodplain.

##### Background

Executive Order 11988 states that the “[...] term “floodplain” shall mean the lowland and relatively flat areas adjoining inland and coastal waters including flood prone areas of offshore islands, including at a minimum, that area subject to a one percent or greater chance of flooding in a given year.” Based on this and FCC guidelines, the 100-year floodplain (one percent change of flooding in any given year) was utilized for screening of this NEPA item<sup>5</sup>.

##### Research & Review

The following resources and reviews were utilized to evaluate this NEPA item:

- 1) **Auroraville, Wisconsin USGS Topographic Map and Other Local Maps** – The *property* is not mapped adjacent to a navigable waterway (may indicate the potential to be located in the floodplain), or a waterway such as a dry creek bed, intermittent stream, etc.
- 2) **FEMA Floodplain Map** – The *property* is located outside of the 100-year floodplain. A copy of this map has been included as Figure 5 in this report.

##### Finding

This facility will not be located in a 100-year floodplain.

### 3.7 CHECKLIST ITEM # 7 - IMPACTS TO SURFACE FEATURES

#### § 1.1307 (a) (7) - Facilities whose construction will involve significant change in surface features (e.g. wetland fill, deforestation or water diversion).

##### Background

The Clean Water Act (40 CFR § 230.3) defines wetlands as “[...] those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs and similar areas.” The United States Army Corps of Engineers (ACOE) has jurisdiction over certain wetlands, waterways, lakes, streams, and natural springs.

##### Research & Review

The following resources and reviews were utilized to evaluate this NEPA item:

- 1) **National Wetlands Inventory (NWI) Map** – No wetlands or open waters were depicted on the project location.
- 2) **Wisconsin Wetlands Map** – No wetlands or open waters were depicted on the *property*.
- 3) **Site Observations** – No areas likely to be considered wetlands, navigable waterways, dry creek beds, intermittent streams or other open waters were observed on in the immediate vicinity of the *property*. Although removal of trees may be required during site development, no areas where deforestation will occur were identified during site observations.
- 4) **Other Practically Reviewable Resources** - Soils, vegetation and hydrology do not appear sufficient to support wetland characteristics. Please note, a formal wetland delineation was not completed as part of this investigation.

##### Finding

This project will not involve a significant change in surface features (e.g., wetland fill, deforestation, or water diversion).

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<sup>5</sup> The FCC encyclopedia does mention that in limited circumstances the 500-year floodplain standard should be used. See <http://www.fcc.gov/encyclopedia/nepa-faq>.

### **3.8 CHECKLIST ITEM # 8 - HIGH INTENSITY WHITE LIGHTS IN RESIDENTIAL NEIGHBORHOODS**

*§ 1.1307 (a) (8) - Facilities that will be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.*

#### **Background**

High intensity white lights are required by the Federal Aviation Administration for aviation avoidance marking on towers over 499 feet above ground surface. Towers under 499 feet generally are not equipped with high intensity lights.

#### **Research & Review**

It is the general policy of Cloud 1 to avoid installation of high intensity white lights. Based on the general policy of Cloud 1 and a review of the proposed project design plans, it is the understanding of Ramaker that high intensity white lights will not be utilized at this telecommunications facility.

#### **Finding**

**This facility will not be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.**



## **4.0 ADDITIONAL SPECIAL INTEREST ITEMS**

The following is a review of the project's potential impact to other potential special interest items.

### **4.1 CHECKLIST ITEM # 9 - HUMAN EXPOSURE TO RADIOFREQUENCY RADIATION**

**§ 1.1307 (b) - Facilities that would cause human exposure to levels of radiofrequency radiation in excess of Commission-adopted guidelines.**

This NEPA Screen did not include a review of facilities that would result in human exposure to radiofrequency radiation in excess of the applicable safety standards as specified in §1.1307(b). The Cloud 1 radiofrequency engineers must ensure that the proposed telecommunications site will comply with appropriate radiation safety standards and FCC MPE requirements. Cloud 1 has represented to Ramaker that Cloud 1 will ensure compliance with these requirements.

### **4.2 NATIONAL SCENIC TRAIL SYSTEM**

#### **Background**

On October 5, 1999, Cellular Telecommunications Industry Association (CTIA), Personal Communications Industry Association (PCIA), and the Managing and Supporting Trail Organizations (MSTOs) for the National Scenic Trail system, implemented a consulting policy, *Siting of Wireless Telecommunications Facilities Near National Scenic Trails - Resolution*. As part of the resolution, wireless telecommunications carriers are to notify the appropriate MSTO if a wireless telecommunications facility will be sited within one mile of a National Scenic Trail.

#### **Finding**

Ramaker reviewed the National Scenic Trail system maps. The proposed facility is greater than one-mile from any National Scenic Trail. As such, no MSTOs were contacted.

### **4.3 OTHER**

No other items were included within the scope of this review.

## 5.0 CONCLUSIONS, REQUIREMENTS & RECOMMENDATIONS

### 5.1 CONCLUSIONS

Based on the review of the FCC Special Interest Items as outlined in 47 CFR §1.1307 (a) (1) through (8), unless triggered by an RF NEPA issue under 1.1307 (b), this project will not have a significant environmental impact.

### 5.2 REQUIREMENTS & RECOMMENDATIONS

It is the opinion of Ramaker that this project is categorically excluded from further environmental processing, and preparation of an EA is not required.

Project recommendations and requirements are below. The recommendations and requirements include both site-specific (if appropriate) and general recommendations. Following the recommendations and requirements is critical to avoiding significant environmental impacts to NEPA categories.

- **SITE-SPECIFIC RECOMMENDATION: Listed or Threatened or Endangered Species or Critical Habitat** – Through consultation with the Wisconsin DNR and by review of the USFWS’s proposed threatened or endangered species or designated critical habitats list, Ramaker has the following recommendations:

**Monarch Butterfly (*Danaus plexippus*):** This species can be found in many different habitat types from forests to agricultural fields to urban centers, as long as wildflowers are available for feeding adults and native milkweeds are available as host plants.

While suitable habitat is likely present within or near the project area, this species is classified by the USFWS as a candidate species. Candidate species receive no statutory protection under the Endangered Species Act (ESA). However, the USFWS encourages cooperative conservation efforts for these species because they are a species that may warrant future protection under the ESA. As such, it is recommended that Cloud 1 implement the following Monarch Butterfly general conservation measures:

- Restoring disturbed habitat and creating habitat by applying native seed mixes containing a diversity of native wildflowers, including milkweed, as appropriate to bare soil areas.
- Landscaping facilities with native flowering plants that act as nectar for resources.
- Implementing enhancement projects that increase the habitat available such as special partnership habitat restoration projects on enrolled lands.
- **GENERAL RECOMMENDATION: USFWS Tower Siting Guidelines** – Migratory Bird Treaty Act review – As quoted by the USFWS “the Migratory Bird Treaty Act (MBTA) prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Service. The Service has the responsibility under the MBTA to proactively prevent the mortality of migratory birds whenever possible and we encourage implementation of recommendations that minimize potential impacts to migratory birds.

Lastly, Ramaker recommends that Cloud 1 review the USFWS voluntary guidelines for minimizing impacts to Migratory birds and eagles, that has been included as attachment an appendix under the USFWS Consultation review (Recommended Best Practices for Communication Tower Design, Siting, Construction, Operation, Maintenance, and Decommissioning).

- **SITE-SPECIFIC REQUIREMENT: Northern Long Eared Bat (NLEB)- USFWS Consultation** – If any of the following occur, it is the obligation of Cloud 1 to report to the USFWS (see contact information included in the IBA):
  1. For monitoring purposes, the Service will assume all activities are conducted as described. If an agency does not conduct an activity as described, it must promptly report and describe such departures to the appropriate Service Field Office.
  2. The action agency must provide the results of any surveys for the NLEB to the appropriate Service Field Office within their jurisdiction.
  3. Parties finding a dead, injured, or sick NLEB must promptly notify the appropriate Service Field Office.

4. If the proposed undertaking is not completed within one year of the date of the NLEB verification letter, Cloud 1 must update and resubmit the information required in the IPaC key.
- **GENERAL REQUIREMENT: Inadvertent Discovery of Artifacts** – In the event of an inadvertent discovery of human or archaeological remains during site construction activities, immediately stop construction and contact local law enforcement. Follow-up should then begin with the SHPO's office and tribes that have noted their request to be notified of such discoveries (see tribal consultation tracker, attached).



**USGS 7.5-Minute Quadrangle**

Cumberland Ave (WI22069-6422)  
Cumberland Avenue  
Berlin, Wisconsin 54923  
Waushara County



Source: Google Earth



NOT TO SCALE





View from the Subject Property facing north.



View from the Subject Property facing east.



View from the Subject Property facing south.



View from the Subject Property facing west.



View of the existing and proposed access road facing east from Cumberland Avenue.



View east along Cumberland Avenue from the access route.



**DRIVING DIRECTIONS**

QR MAP LOCATION



NOTE: TO SCAN THE QR CODE, DOWN LOAD A "QR READER APP"

**AERIAL VIEW OF SITE**



**GENERAL LOCATION**



# CUMBERLAND AVE CONSTRUCTION DRAWINGS

**GENERAL NOTES**

**DESCRIPTION OF PROPOSED SITE USE**  
 PROPOSED ADDITION OF NEW COMPOUND



TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

**DIGGERS HOTLINE 811 OR  
 1-800-242-8511**

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

**SHEET INDEX**

**GENERAL:**

T-1 TITLE SHEET

**NOTES:**

SP-1 SPECIFICATIONS  
 SP-2 SPECIFICATIONS

**SITE:**

C-1 OVERALL SITE PLAN WITH AERIAL PHOTO  
 C-2 OVERALL SITE PLAN  
 C-3 SITE PLAN  
 C-4 SITE ELEVATION  
 C-5 FENCE DETAILS  
 C-6 SITE DETAILS

**UTILITY:**

E-1 UTILITY PLAN

**GROUNDING:**

G-1 GROUNDING PLAN  
 G-2 GROUNDING DETAILS  
 G-3 GROUNDING DETAILS  
 G-4 GROUNDING DETAILS

**PROJECT INFORMATION**

**SITE DATA:**

SITE NAME: CUMBERLAND AVE

**ADDRESS:**

CUMBERLAND AVENUE  
 BERLIN, WI 54923  
 WAUSHARA COUNTY  
 TAX PIN # 002014430500 & 002014430800

LATITUDE: N 44° 01' 38.65" NAD 83  
 LONGITUDE: W 88° 54' 53.57" NAD 83  
 GROUND ELEV: 796 FT AMSL

OCCUPANCY: UNMANNED

**LESSEE:**

CLOUD 1  
 RAY BILDINGS  
 417 PINE STREET  
 GREEN BAY, WI 54301  
 PH. (920) 940-0147

**CONSULTING ENGINEER:**

RAMAKER  
 855 COMMUNITY DRIVE  
 SAUK CITY, WI 53583  
 CONTACT: STEVE WIDEEN  
 PH.: (608) 643-4100  
 EMAIL: swideen@ramaker.com



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

**Certification & Seal:**  
 I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Wisconsin.



*Michael L. Pinske* 5/27/2022  
 Signature: Date:

MARK	DATE	DESCRIPTION

ISSUE PHASE	DATE ISSUED
FINAL	05/27/2022

PROJECT TITLE:  
**CUMBERLAND AVE**

PROJECT INFORMATION:  
 CUMBERLAND AVENUE  
 BERLIN, WI 54923  
 WAUSHARA COUNTY  
 TAX ID# 002014430500 & 002014430800  
 SHEET TITLE:

**TITLE SHEET**

SCALE: NONE

PROJECT NUMBER: 54786  
 SHEET NUMBER: T-1

GENERAL NOTES

1. ALL EQUIPMENT FURNISHED AND WORK PERFORMED UNDER THE CONTRACT DOCUMENTS SHALL BE GUARANTEED AGAINST DEFECTS IN MATERIALS OR WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE, UNLESS NOTED OTHERWISE. ANY FAILURE OF EQUIPMENT OR WORK DUE TO DEFECTS IN MATERIALS OR WORKMANSHIP SHALL BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE OWNER.
2. ALL WORK, MATERIAL, AND EQUIPMENT SHALL COMPLY WITH ALL REQUIREMENTS OF THE LATEST EDITIONS AND INTERIM AMENDMENTS OF THE NATIONAL ELECTRICAL CODE (N.E.C.), NATIONAL ELECTRICAL SAFETY CODE, OSHA, AND ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES. ALL ELECTRICAL EQUIPMENT PROVIDED UNDER THIS CONTRACT SHALL BE NEW (EXCEPT WHERE OTHERWISE NOTED) AND SHALL COMPLY WITH THE REQUIREMENTS OF THE UNDERWRITERS' LABORATORIES AND BEAR THE U.L. LABEL.
3. OWNER OR HIS ARCHITECT/ENGINEER RESERVE THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH IN HIS OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO THE OWNER OR HIS ARCHITECT/ENGINEER.
4. THE CONTRACTOR SHALL SUPPORT, BRACE AND SECURE EXISTING STRUCTURE AS REQUIRED, CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROTECTION OF ANY EXISTING STRUCTURES DURING CONSTRUCTION. FIELD VERIFY ALL EXISTING DIMENSIONS WHICH AFFECT THE NEW CONSTRUCTION.
5. THE CONTRACTOR SHALL NOT ALLOW OR CAUSE ANY OF THE WORK TO BE COVERED UP OR ENCLOSED UNTIL IT HAS BEEN INSPECTED BY THE GOVERNING AUTHORITIES. ANY WORK THAT IS ENCLOSED OR COVERED UP BEFORE SUCH INSPECTION AND TEST SHALL BE UNCOVERED AT THE CONTRACTOR'S EXPENSE. AFTER IT HAS BEEN INSPECTED, THE CONTRACTOR SHALL RESTORE THE WORK TO ITS ORIGINAL CONDITION AT HIS OWN EXPENSE.
6. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT/ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL SAID UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING AFFECTED UTILITIES.
7. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION, ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE PROJECT MANAGER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER, FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS OWN RISK AND EXPENSE.
8. CONTRACTORS SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO PAPERS, TRASH, DEBRIS, WEEDS, BRUSH OR ANY OTHER DEPOSITS REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE PROPERLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.
9. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY THE CONTRACTOR WITH LOCAL GAS, ELECTRIC, TELEPHONE, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.
10. DURING CONSTRUCTION, THE CONTRACTOR SHALL AT ALL TIMES MAINTAIN THE UTILITIES OF THE BUILDINGS/SITE WITHOUT INTERRUPTION. SHOULD IT BE NECESSARY TO INTERRUPT ANY SERVICE OR UTILITY, THE CONTRACTOR SHALL SECURE PERMISSION IN WRITING FROM THE BUILDING/PROPERTY OWNER FOR SUCH INTERRUPTION, AT LEAST 72 HOURS IN ADVANCE, ANY INTERRUPTION SHALL BE MADE WITH A MINIMUM AMOUNT OF INCONVENIENCE TO THE BUILDING/PROPERTY OWNER AND ANY SUCH SHUTDOWN TIME SHALL BE COORDINATED WITH THE BUILDING/PROPERTY OWNER.
11. THIS CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE PLANS AND SHALL VERIFY EXISTING SITE CONDITIONS AT THE JOB SITE BEFORE SUBMITTING BID. FAILURE TO RECOGNIZE WORK REQUIRED SHALL BE AT THE EXPENSE OF THIS CONTRACTOR. NO CONSIDERATION SHALL BE GIVEN FOR ADDITIONAL COMPENSATION AFTER THE LETTING OF BIDS.
12. ENTIRE INSTALLATION SHALL BE PERFORMED IN A FIRST-CLASS WORKMAN LIKE MANNER AND SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES. THE COMPLETED SYSTEMS SHALL BE FULLY OPERATIONAL; ACCEPTANCE BY THE OWNER SHALL BE A CONDITION OF THE CONTRACT. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES IN ORDER TO AVOID INTERFERENCE'S PRESERVING MAXIMUM HEADROOM AND AVOID OMISSIONS. ALL MATERIALS WORKMANSHIP AND EQUIPMENT SHALL BE GUARANTEED FOR ONE (1) YEAR AFTER SYSTEM ACCEPTANCE.
13. ALL MATERIALS USED SHALL BE NEW AND BEAR THE U/L LABEL AND BE OF THE APPROPRIATE NEMA STANDARD.
14. CONTRACTOR SHALL INCLUDE ALL MISCELLANEOUS ITEMS REQUIRED TO COMPLETE THE WORK.
15. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND REQUIRED INSPECTION FEES.

16. 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. IT 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 PRIOR TO INSTALLATION.
18. FOR CLARITY OF ALL PLANS, SOME EQUIPMENT CONDUIT AND WIRE HAS NOT BEEN SHOWN. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO FURNISH AND INSTALL COMPLETE AND OPERATING SYSTEMS INCLUDING ALL CONDUIT AND WIRING.
19. THE CONTRACTOR SHALL INSPECT THE COMPLETE SET OF DRAWINGS AND SPECIFICATIONS TO DETERMINE HIS ENTIRE SCOPE OF WORK. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND EXTENT OF DEMOLITION AND NEW WORK FOR THE PROJECT PRIOR TO SUBMITTING HIS BID. MATERIALS OR WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE, UNLESS NOTED OTHERWISE. ANY FAILURE OF EQUIPMENT OR WORK DUE TO DEFECTS IN MATERIALS OR WORKMANSHIP SHALL BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE OWNER.
20. THE ELECTRICAL INSTALLATION IS TO BE IN STRICT ACCORDANCE WITH THE APPLICABLE RULES AND REGULATIONS OF ALL LOCAL, STATE AND FEDERAL ELECTRICAL CODES AND THE LOCAL UTILITY COMPANY REQUIREMENTS OR ANY OTHER AUTHORITIES HAVING LAWFUL JURISDICTION.

SITE WORK

1. THE CONTRACTOR SHALL CALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE PROJECT MANAGER. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES; CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO:
  - A. FALL PROTECTION
  - B. CONFINED SPACE
  - C. ELECTRICAL SAFETY
  - D. TRENCHING AND EXCAVATION
2. REMOVE FROM SITE/OWNER'S PROPERTY ALL WASTE MATERIALS, UNUSED EXCAVATED MATERIAL, INCLUDING MATERIAL CLASSIFIED UNSATISFACTORY, CONTAMINATED OR DANGEROUS TRASH AND DEBRIS, AND DISPOSE OF IN A LEGAL MANNER (AS REQUIRED).
3. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING.
4. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE BUILDING OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, FERTILIZED, SEED, AND COVERED WITH MULCH AS SPECIFIED IN THE SPECIFICATION LANDSCAPE WORK (AS REQUIRED).
5. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL AND 1996 BOCA STANDARD GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
6. CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT SHELTER OR PLATFORM LAYOUT AND CONSTRUCTION STAKING. CONTRACTOR SHALL ESTABLISH GRADE AND LINE STAKES PRIOR TO CONSTRUCTION.

CONCRETE

1. MINIMUM ALLOWABLE CONCRETE COMPRESSIVE STRENGTH SHALL BE 4000 PSI AT 28 DAYS WHEN TESTED IN ACCORDANCE WITH THE AMERICAN SOCIETY FOR TESTING AND MATERIALS METHODS STANDARDS ASTM C172, ASTM C31 UNLESS OTHERWISE NOTED.
2. CONCRETE FOR ALL FOUNDATIONS, 540 LBS PER CUBIC YARD OF CONCRETE MINIMUM CEMENT CONTENT FOR 1-INCH MAXIMUM SIZE AGGREGATE, SLUMP RANGE 3 INCHES TO 5 INCHES. TOTAL AIR CONTENT 4 PERCENT TO 7 PERCENT BY VOLUME. AIR ENTRAINING ADMIXTURE REQUIRED TO CONTROL TOTAL AIR CONTENT, WATER REDUCING ADMIXTURE, PERMITTED TO OBTAIN SLUMP OVER THREE INCHES.
3. ALL CONCRETE CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE (ACI 318) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND (ACI 301) STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE.
4. REBAR SHALL BE ASTM A-615 DEFORMED TYPE WITH MINIMUM YIELD STRENGTH OF 60,000 PSI (40,000 PSI GRADE MAY BE USED FOR TIES & STIRRUPS). WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
5. DETAILING SHALL BE IN ACCORDANCE WITH MANUAL OF STANDARD PRACTICE OF DETAILING REINFORCED CONCRETE STRUCTURES (ACI STD-315 LATEST EDITION).
6. REINFORCING STEEL SHALL BE ACCURATELY PLACED AND ADEQUATELY SECURED IN POSITION. LOCATION OF REINFORCEMENT SHALL BE INDICATED ON THE DRAWINGS. THE FOLLOWING MINIMUM COVER (INCHES) FOR REINFORCEMENT SHALL BE PROVIDED, EXCEPT AS NOTED MINIMUM COVER (INCHES) CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH - 3" EXPOSED TO EARTH OR WEATHER:  
#6 THROUGH #18 - 2"  
#5 BAR AND SMALLER - 1 1/2"
7. TESTS  
CONCRETE MATERIALS AND OPERATIONS SHALL BE TESTED AND INSPECTED BY THE CONTRACTOR AS THE WORK PROGRESSES, FAILURE TO DETECT ANY DEFECTIVE WORK OR MATERIAL SHALL NOT IN ANY WAY PREVENT LATER REJECTION WHEN SUCH DEFECT IS DISCOVERED NOR SHALL IT OBLIGATE THE ENGINEER FOR FINAL ACCEPTANCE.

STRUCTURAL STEEL

1. DETAIL, FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH THE LATEST AISC MANUAL OF STEEL CONSTRUCTION, AWS D1.1 AND THE STRUCTURAL STEEL SHALL BE AS FOLLOWS:
  - A. ASTM A36, GRADE 36, ROLLED STEEL, RODS, PLATES, U-BOLTS AND ANCHOR BOLTS.
  - B. ASTM A325 BOLTS BEARING TYPE
  - C. ALL STEEL SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123.
2. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE REQUIRED DURING CONSTRUCTION UNTIL ALL CONNECTIONS ARE COMPLETE.
3. ANY FIELD CHANGES OR SUBSTITUTIONS SHALL HAVE PRIOR APPROVAL FROM THE ENGINEER.
4. TIGHTEN BOLTS TO MANUFACTURER'S SPECIFICATIONS.
5. WELDING
  - A. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS; CERTIFICATION DOCUMENTS SHALL BE MADE AVAILABLE FOR ENGINEER'S AND/OR OWNER'S REVIEW IF REQUESTED.
  - B. WELDING ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING SHALL CONFORM TO ASTM A-233 E70 SERIES, BARE ELECTRODES AND GRANULAR FLUX USED IN THE SUBMERSED ARC PROCESS SHALL CONFORM TO AISC SPECIFICATION.
  - C. FIELD WELDING SHALL BE DONE AS PER AWS D1.1 REQUIREMENTS VISUAL INSPECTION IS ACCEPTABLE.

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:

- 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.
- B. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND CLOUD 1 SPECIFICATIONS.
- C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
- D. INSTALL FURNISHED GALVANIZED STEEL AND/OR TOWER WAVEGUIDE.
- E. INSTALL COAXIAL CABLES AND TERMINATIONS BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
- F. ANTENNA AND COAXIAL CABLE GROUNDING:

1. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH ANDREWS CONNECTOR/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL.
2. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS).

QUALITY ASSURANCE

1. 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, MATERIAL AND THE INSTALLATION METHODS SPECIFIED ON THE PROJECT DRAWINGS SHALL BE DESIGNED AND FABRICATED IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES AND REGULATIONS AND APPROPRIATE INDUSTRIAL CONSENSUS STANDARDS AND CODES INCLUDING ANSI, IEEE, NEMA, NFPA AND UL. ALL AS REVISED AS OF THE DATE OF THIS WORK PACKAGE.
3. ALL ELECTRICAL ITEMS BOTH CONTRACTOR AND OWNER FURNISHED SHALL BE CHECKED FOR AGREEMENT WITH THE PROJECT DRAWINGS AND SPECIFICATIONS AND SHALL BE VISUALLY INSPECTED TO ENSURE THAT EQUIPMENT IS UNDAMAGED AND IS IN PROPER ALIGNMENT. INSTALLED PER MANUFACTURER'S INSTRUCTIONS. ELECTRICAL CONNECTIONS ARE TIGHT AND PROPERLY INSULATED WHERE REQUIRED. FUSES ARE OF THE PROPER TYPE AND SIZE AND ELECTRICAL ENCLOSURES ARE OF THE PROPER NEMA TYPE.
4. NOTIFY OWNER IN WRITING OF ALL DISCREPANCIES BETWEEN DRAWINGS/SPECIFICATIONS AND FIELD INSTALLATIONS, OR IF THE VISUAL INSPECTIONS SHOW DAMAGE OR IMPROPER INSTALLATION.
5. 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.

GENERAL UTILITY

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

1. THE EQUIPMENT AND MATERIAL SHALL BE FURNISHED AND INSTALLED TO OPERATE SAFELY AND CONTINUOUSLY OUTDOORS WITH NO PROTECTION FROM THE WEATHER.
2. ELECTRICAL WORK REPRESENTED ON THE PROJECT DRAWINGS IS SHOWN DIAGRAMMATICALLY. 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.



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PH.: (920) 940-0147

Certification # Seal:

MARK	DATE	DESCRIPTION
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PROJECT TITLE:  
**CUMBERLAND AVE**

PROJECT INFORMATION:  
CUMBERLAND AVENUE  
BERLIN, WI 54923  
WAUSHARA COUNTY  
TAX ID# 002014430500 & 002014430800  
SHEET TITLE:

**SPECIFICATIONS**

SCALE: NONE

PROJECT NUMBER: 54786  
SHEET NUMBER: SP-1



GENERAL UTILITY (CONT.)

- PROVIDE MOLDED CASE BOLT-ON, THERMAL MAGNETIC TRIP, SINGLE, TWO OR THREE POLE CIRCUIT BREAKERS, MULTIPLE POLE CIRCUIT BREAKERS SHALL BE SINGLE HANDLE COMMON TRIP, SHORT CIRCUIT INTERRUPTING RATING SHALL BE AS REQUIRED FOR AVAILABLE FAULT CURRENTS. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE A SHORT CIRCUIT INTERRUPTING RATING EQUAL TO OR GREATER THAN THAT SHOWN ON PROJECT DRAWINGS.
- ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENTLY ENGRAVED LAMINATED PHENOLIC NAMEPLATES WITH WHITE ON BLUE BACKGROUND (MINIMUM LETTER HEIGHT SHALL BE 1/2 INCH). NAMEPLATES SHALL BE FASTENED WITH STAINLESS STEEL SCREWS.
- CONTRACTOR SHALL PERFORM ALL EXCAVATION, TRENCHING, BACKFILLING, AND REMOVAL OF DEBRIS IN CONNECTION WITH THE ELECTRICAL WORK IN ACCORDANCE WITH THE PROJECT DRAWINGS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF UNDERGROUND UTILITIES AND GROUNDING WITH THE FOUNDATION INSTALLATION.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY SUPPORTS FOR EQUIPMENT INSTALLED AS PART OF THIS PROJECT. SUPPORTS SHALL CONSIST OF GALVANIZED STEEL FRAMES, PLATES, BRACKETS, RACKS AND OTHER SHAPES OF ADEQUATE SIZE AND FASTENED WITH BOLTS, SCREWS OR BY WELDING TO PROVIDE RIGID SUPPORT.
- CONTRACTOR SHALL CALL THE APPROPRIATE UTILITIES PROTECTION SERVICE BEFORE ANY UNDERGROUND WORK IS PERFORMED, SUCH AS TRENCHING, EXCAVATING, AND DRIVING GROUND RODS.
- CONTRACTOR SHALL SEAL AROUND ELECTRICAL PENETRATIONS THROUGH FIRE-RATED WALLS/FLOORS USING APPROVED FIRE STOP MATERIALS TO MAINTAIN THE FIRE RESISTANCE RATING.
- SHORT CIRCUIT RATINGS: PROVIDE EQUIPMENT WITH HIGHER FAULT CURRENT RATINGS AS NEEDED TO MATCH UTILITY COMPANY AVAILABLE FAULT CURRENT.

RACEWAYS

- CONDUIT AND CONDUIT FITTINGS SHALL MEET ANSI AND NEC STANDARDS FOR MATERIAL AND WORKMANSHIP AND SHALL BE UL LISTED.
  - RIGID STEEL CONDUIT (FOR ALL ABOVE GRADE WORK) SHALL CONFORM TO ANSI C80-1 AND THE REQUIREMENTS OF NEC PARAGRAPH 346 AND BE STANDARD WEIGHT, MILD RIGID STEEL, HOT DIP GALVANIZED WITH INSIDE AND OUTSIDE FINISHED WITH A PROTECTIVE ZINC COATING. COUPLING, ELBOWS AND BENDS SHALL MEET THESE SAME REQUIREMENTS. FITTINGS SHALL BE OF THE GALVANIZED IRON OR STEEL THREADED TYPE.
  - PVC CONDUIT (FOR UNDERGROUND WORK) SHALL CONFORM TO UL STANDARD 651-89 AND THE REQUIREMENTS OF NEC, PARAGRAPH 347. CONDUIT SHALL BE HEAVY WALL TYPE, SCHEDULE 80, AND SUNLIGHT RESISTANT. FITTINGS SHALL BE OF THE UNTHREADED SOLVENT CEMENT TYPE.
  - EMT CONDUIT (FOR USE BEHIND WALLS OR ABOVE SUSPENDED CEILINGS ONLY), ELECTRIC METALLIC TUBING SHALL CONFORM TO ANSI C80.3 AND THE REQUIREMENTS OF NEC, PARAGRAPH 348 AND BE PROTECTED ON EXTERIOR WITH A ZINC COATING AND ON INTERIOR SURFACES WITH EITHER A ZINC COATING OR LACQUER ENAMEL. FITTINGS SHALL BE ZINC COATED STEEL.
- 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.
- UNDERGROUND CONDUITS & ENCLOSURES.
  - INSTALL A WARNING TAPE TWELVE INCHES ABOVE EACH CONDUIT OR SET OF CONDUITS.
  - IDENTIFY EACH CONDUIT AT BOTH ENDS.
  - INSTALL A MINIMUM OF 36 INCHES BELOW THE FINISHED GRADE, OR DEEPER IF NOTED ON PLAN DRAWINGS
  - USE MANUFACTURED ELECTRICAL PVC ELBOWS AND FITTINGS FOR BELOW GRADE BENDS.
  - MAKE JOINTS AND FITTINGS WATERTIGHT ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
  - INSTALL A COUPLING BEFORE EACH WALL PENETRATION
  - RESTORE SURFACE FEATURES DISTURBED BY EXCAVATION (AND TRENCHING) IN ALL AREAS.
  - ENCLOSURES IN DRY LOCATION SHALL BE NEMA 1

CONDUCTORS

- ALL POWER, CONTROL AND COMMUNICATION WIRING SHALL MEET REQUIRED NEMA-RATINGS, ASTM, UL, AND NEC STANDARDS FOR MATERIAL AND WORKMANSHIP UNLESS OTHERWISE SPECIFIED.
  - SERVICE ENTRANCE CONDUCTORS SHALL BE COPPER, 200 VOLT, SUNLIGHT RESISTANT, SUITABLE FOR WET LOCATIONS, TYPE USE-2. THE GROUNDED NEUTRAL CONDUCTOR SHALL BE IDENTIFIED WITH A WHITE MARKING AT EACH TERMINATION.
  - CONDUCTORS FOR FEEDER AND BRANCH CIRCUITS SHALL BE COPPER 200 VOLT, TYPE THHN/THWN WITH A MINIMUM SIZE OF #12 AWG.
- ALL CONDUCTOR ACCESSORIES INCLUDING CONNECTORS, TERMINATIONS, INSULATING MATERIALS, SUPPORT GRIPS, MARKER AND CABLE TIES SHALL BE FURNISHED AND INSTALLED. SUPPLIER'S INSTALLATION INSTRUCTIONS SHALL BE OBTAINED FOR CABLE ACCESSORIES. THESE INSTRUCTIONS SHALL BE IN THE POSSESSION OF THE CRAFTSMAN WHILE INSTALLING THE ACCESSORIES AND SHALL BE AVAILABLE TO THE COMPANY FOR REFERENCE.
- TERMINAL CONNECTORS FOR CONDUCTORS SMALLER THAN 8 AWG SHALL BE COMPRESSION TYPE CONNECTORS SIZED FOR THE CONDUCTOR AND THE TERMINAL. THE CONNECTORS SHALL BE CONSTRUCTED OF FINE GRADE HIGH CONDUCTIVITY COPPER IN ACCORDANCE WITH QQ-C-576 AND SHALL BE TIN-PLATED IN ACCORDANCE WITH MIL-T-10727. THE INTERIOR SURFACE OF THE CONNECTOR WIRE BARREL SHALL BE SERRATED, AND THE EXTERIOR SURFACE OF THE CONNECTOR WIRE BARREL SHALL BE PROVIDED WITH CRIMP GUIDES.
- TERMINAL CONNECTORS FOR CONDUCTORS 8 AWG AND LARGER SHALL BE PRESSURE OR BOLTED CLAMP TYPE, BURNDY QUIKLUK, VARILUG OR ACCEPTABLE EQUAL; OR COMPRESSION TYPE: BURNDY TYPE YAV OR YA (LONG BARREL), PANDUIT TYPE LCA OR LCC, OR ACCEPTABLE EQUAL. ACCEPTABLE CONNECTORS INCLUDED WITH COMPANY-FURNISHED EQUIPMENT MAY BE USED.
- TERMINATION PROVISIONS OF EQUIPMENT FOR CIRCUITS RATED 100 AMPERES OR LESS, OR MARKED FOR NOS. 14 THROUGH 1 CONDUCTORS, SHALL BE USED ONLY FOR CONDUCTORS RATED 60 DEG. C (140 DEG F). CONDUCTORS WITH HIGHER TEMPERATURE RATINGS SHALL BE PERMITTED, PROVIDED THE AMPACITY OF EACH CONDUCTOR IS DETERMINED BASED ON THE 60 DEG.C (140 DEG.F) AMPACITY OF THE CONDUCTOR SIZE USED.
- TERMINATION PROVISIONS OF EQUIPMENT FOR CIRCUITS RATED OVER 100 AMPERES, OR MARKED FOR CONDUCTORS LARGER THAN NO. 1 (167 DEG F). CONDUCTORS WITH HIGH TEMPERATURE RATINGS SHALL BE PERMITTED, PROVIDED THE AMPACITY OF EACH CONDUCTOR IS DETERMINED BASE ON THE 75 DEG. C (167 DEG.F) AMPACITY OF THE CONDUCTOR SIZE USED.
- ALL 600 VOLT OR LESS WIRING, WHERE COMPRESSION TYPE CONNECTORS ARE USED, SHALL BE INSULATED WITH AT LEAST ONE TURN OF "SCOTCHFILL" 200 AMP ELECTRICAL INSULATING PUTTY AND THEN COVERED WITH TWO HALF TURNS OF TAPE SIMILAR TO 3M COMPANY'S "33 PLUS" (33+) PLASTIC TAPE OR 88 OUTDOOR.
- THE ELECTRICAL SERVICE TO THE SITE SHALL BE GROUNDED AT THE SERVICE DISCONNECTING MEANS REQUIRED IN ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE, IN ACCORDANCE WITH ANY LOCAL CODE.
- ALL UNDERGROUND (BELOW GRADE) GROUNDING CONNECTIONS SHALL BE MADE BY THE CADWELD PROCESS (MECHANICAL LUG ATTACHMENTS BELOW GRADE ARE NOT ACCEPTABLE). CONNECTIONS SHALL INCLUDE ALL CABLE TO CABLE SPLICES (TEES, Xs, ETC.) ALL MATERIALS USED (MOLDS, WELDING METAL, TOOLS, ETC.) SHALL BE BY CADWELD AND INSTALLED PER MANUFACTURER'S RECOMMENDATION AND PROCEDURES.

LIGHTNING PROTECTION

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

HANGERS AND SUPPORT

- MATERIALS, ALL HANGERS, SUPPORTS, FASTENERS, AND HARDWARE SHALL BE ZINC COATED OR OF EQUIVALENT CORROSION RESISTANCE BY TREATMENT OR INHERENT PROPERTY, AND SHALL BE MANUFACTURED PRODUCTS DESIGNED FOR THE APPLICATION. PRODUCTS FOR OUTDOOR USE SHALL BE HOT DIP GALVANIZED.
  - TYPES, HANGERS, STRAPS, RISER SUPPORTS, CLAMPS, U-CHANNEL, THREADED RODS, ETC. AS INDICATED OR REQUIRED.
  - INSTALLATION, RIGIDLY SUPPORT AND SECURE ALL MATERIALS, RACEWAY AND EQUIPMENT BUILDING STRUCTURE USING HANGERS, SUPPORTS AND FASTENERS SUITABLE FOR THE USE, MATERIALS AND LOADS ENCOUNTERED, PROVIDE ALL NECESSARY 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.
  - 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.
  - INDEPENDENT SUPPORT, DO NOT SUPPORT MATERIALS OR EQUIPMENT FROM OTHER EQUIPMENT, PIPING, DUCTWORK OR SUPPORTS FOR SAME.
  - RACEWAY SUPPORTS, RIGIDLY SUPPORT ALL RACEWAY WITH MAXIMUM SPACINGS PER NEC, AND SO AS TO PREVENT DISTORTION OF ALIGNMENT DURING PULLING OPERATION, USE APPROVED HANGERS, CLAMPS AND STRAPS FOR INDIVIDUAL RUNS. DO NOT USE PERFORATED STRAPS OR TIE WIRES. WHERE MULTIPLE PARALLEL RACEWAYS ARE TO RUN TOGETHER, USE TRAPEZE TYPE HANGER ARRANGEMENT MADE FROM U-CHANNEL AND ACCESSORIES. SUSPENDED FOR FUTURE INSTALLATION OF ADDITIONAL RACEWAYS, RIGIDLY ANCHOR VERTICAL CONDUITS SERVING FLOOR MOUNTED OR "ISLAND" TYPE EQUIPMENT MOUNTED AWAY FROM WALLS WITH METAL BRACKET OR RIGID STEEL CONDUIT EXTENSION SECURED TO FLOOR.
  - MISCELLANEOUS SUPPORTS, PROVIDE ANY ADDITIONAL STRUCTURAL SUPPORT STEEL BRACKETS, ANGLES, FASTENERS, AND HARDWARE AS REQUIRED TO ADEQUATELY SUPPORT ALL ELECTRICAL MATERIALS AND EQUIPMENT.
  - ONE HOLE STRAPS SHALL NOT BE USED FOR CONDUITS LARGER THAN 3/4 INCH.
- CUTTING AND PATCHING
- GENERAL: PROVIDE ALL CUTTING, DRILLING, CHASING, FITTING AND PATCHING NECESSARY FOR ACCOMPLISHING THE WORK. THIS INCLUDES ANY AND ALL WORK NECESSARY TO UNCOVER WORK TO PROVIDE FOR INSTALLATION OF ILL TIMES WORK. REMOVE AND REPLACE DEFECTIVE WORK AND WORK NOT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. INSTALL EQUIPMENT AND MATERIALS IN EXISTING STRUCTURES IN ADDITION TO THAT REQUIRED DURING THE NORMAL COURSE OF CONSTRUCTION.
  - BUILDING STRUCTURE: DO NOT ENDANGER THE INTEGRITY OF THE BUILDING STRUCTURE BY CUTTING, DRILLING OR OTHERWISE MODIFYING ANY STRUCTURAL MEMBER WITHOUT SPECIFIC APPROVAL. DO NOT PROCEED WITHOUT ANY STRUCTURAL MODIFICATIONS WITHOUT PERMISSION OF THE PROJECT STRUCTURAL ENGINEER.
  - REPAIRS: REPAIR ANY AND ALL DAMAGE TO WORK OF OTHER TRADES CAUSED BY CUTTING AND PATCHING OPERATIONS, USING SKILLED MECHANICS OF THE TRADES INVOLVED.

- GENERAL: PROVIDE ALL HOLES, SLEEVES, AND OPENINGS REQUIRED FOR THE COMPLETION OF WORK AND RESTORE ALL SURFACES DAMAGED TO MATCH SURROUNDING SURFACES. MAINTAIN INTEGRITY OF ALL FIRE AND SMOKE RATED BARRIERS USING APPROVED FIRE-STOPPING SYSTEMS. WHEN CUTTING HOLES OR OPENINGS, OR INSTALLING SLEEVES, DO NOT CUT, DAMAGE OR DISTURB STRUCTURAL ELEMENTS OR REINFORCING STEEL UNLESS APPROVED IN WRITING, BY THE PROJECT STRUCTURAL ENGINEER.
- CONDUIT PENETRATIONS: SIZE CORE DRILLING HOLES SO THAT AN ANNULAR SPACE OF NOT LESS THAN 1/4 INCH AND NOT MORE THAN 1 INCH IS LEFT AROUND THE CONDUIT, PIPE, ETC. WHEN OPENINGS ARE CUT IN LIEU OF CORE DRILLED, PROVIDE SLEEVE IN ROUGH OPENING. SIZE SLEEVES TO PROVIDE AN ANNULAR SPACE OF NOT LESS THAN 1/4 INCH AND NOT MORE THAN 1 INCH AROUND THE CONDUIT, PIPE, ETC. PATCH AROUND THE SLEEVE TO MATCH SURROUNDING SURFACES.



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 PH.: (920) 940-0147

Certification # Seal:

MARK	DATE	DESCRIPTION
ISSUE PHASE	FINAL	DATE ISSUED 05/27/2022

PROJECT TITLE:  
**CUMBERLAND AVE**

PROJECT INFORMATION:  
 CUMBERLAND AVENUE  
 BERLIN, WI 54923  
 WAUSHARA COUNTY  
 TAX ID# 002014430500 & 002014430800  
 SHEET TITLE:

**SPECIFICATIONS**

SCALE: NONE

PROJECT NUMBER	54786
SHEET NUMBER	SP-2





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Certification & Seal:

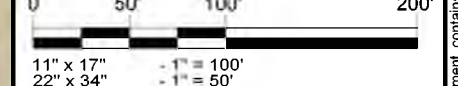
MARK	DATE	DESCRIPTION
ISSUE	FINAL	DATE ISSUED 05/27/2022

PROJECT TITLE:

**CUMBERLAND AVE**

PROJECT INFORMATION:  
 CUMBERLAND AVENUE  
 BERLIN, WI 54923  
 WAUSHARA COUNTY  
 TAX ID# 002014430500 & 002014430800  
 SHEET TITLE:

**OVERALL SITE PLAN WITH AERIAL**



11" x 17" - 1" = 100'  
 22" x 34" - 1" = 50'

PROJECT NUMBER: 54786  
 SHEET NUMBER: C-1

**OVERALL SITE PLAN W/ AERIAL PHOTO** ①  
 SCALE: 1" = 100'

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Continuation of Sheet

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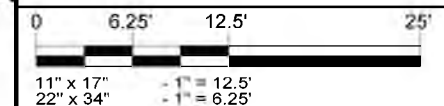
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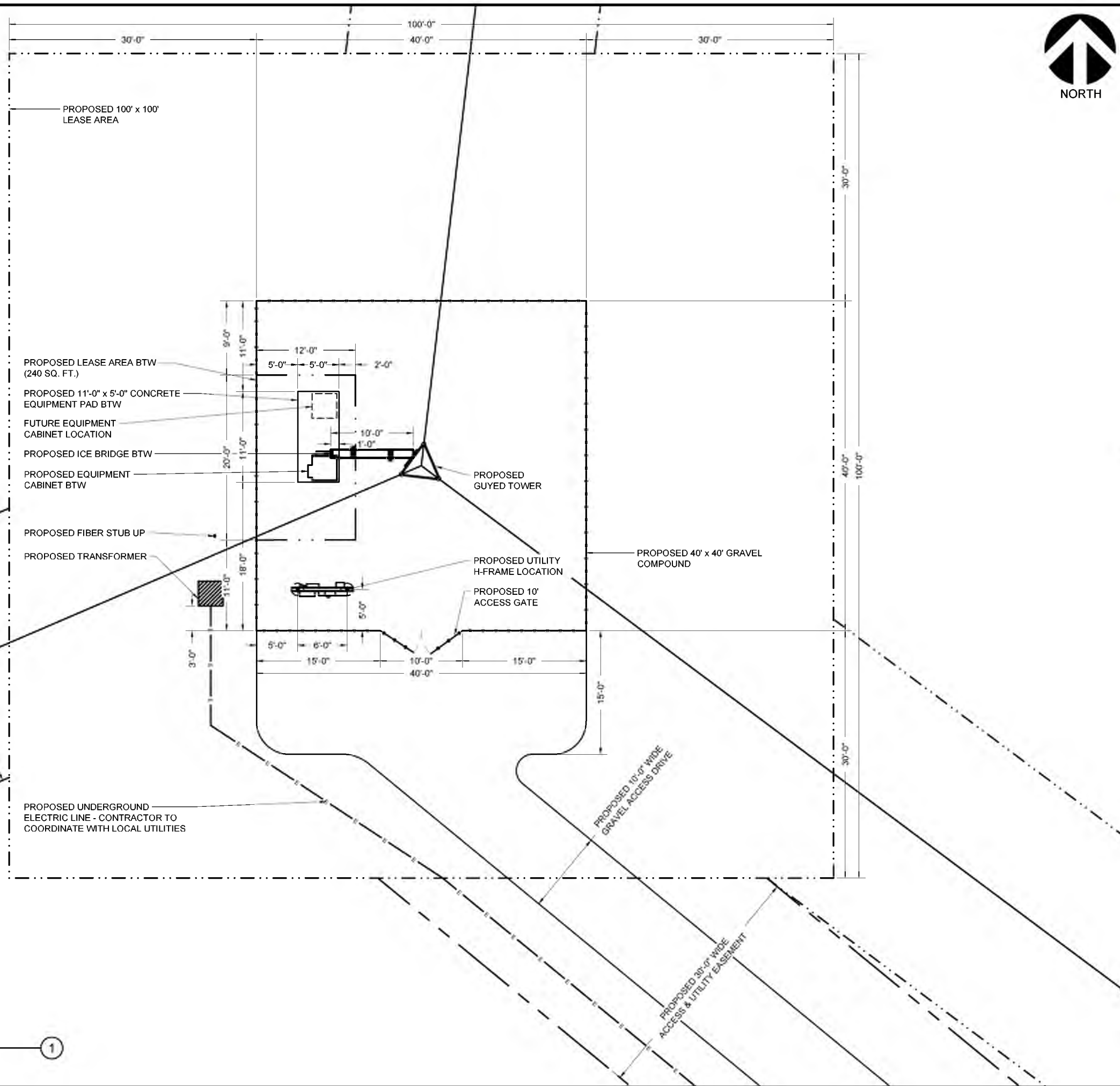
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 WAUSHARA COUNTY  
 TAX ID# 002014430500 & 002014430800

SHEET TITLE:

**SITE PLAN**

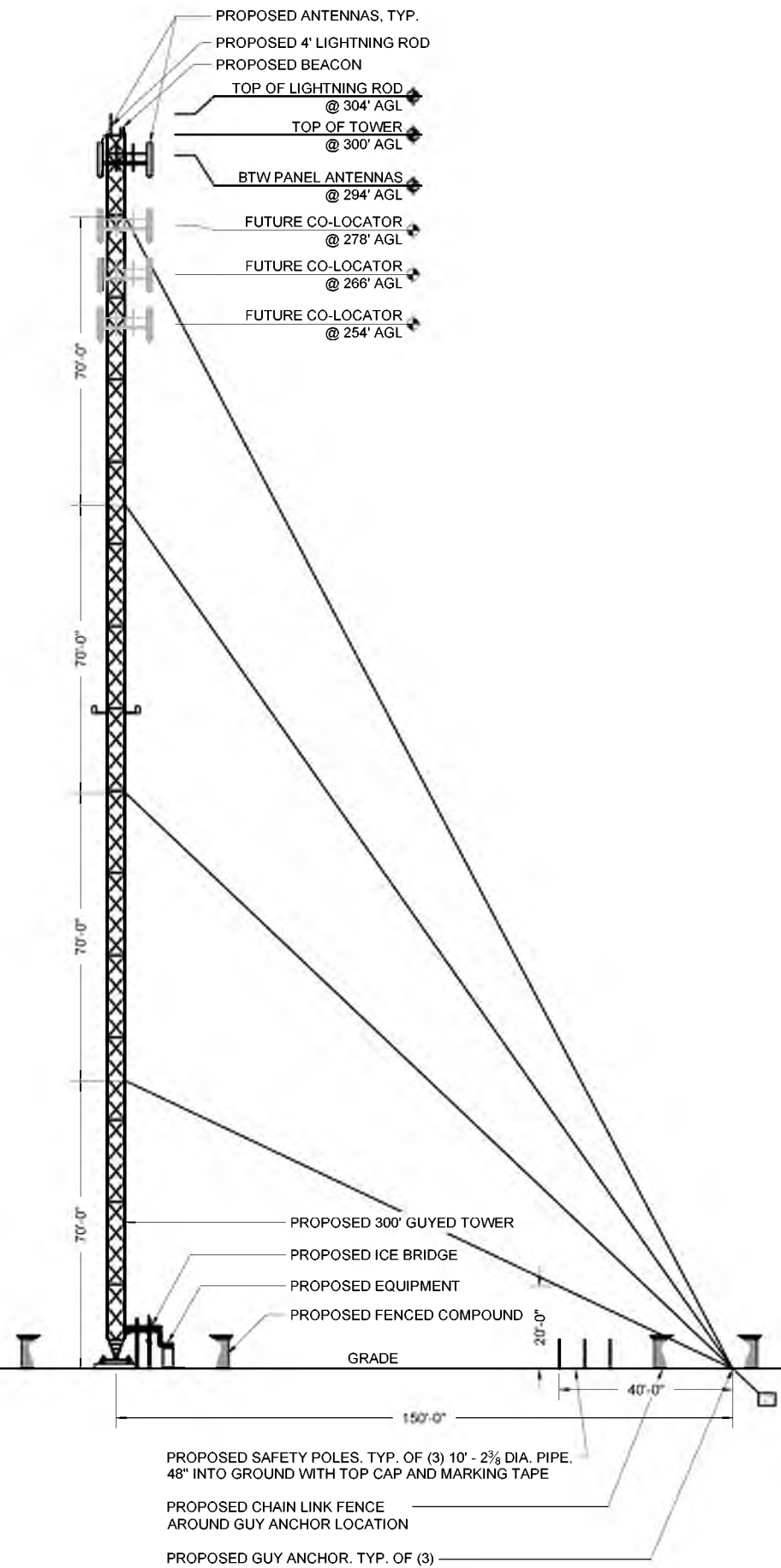


PROJECT NUMBER: 54786  
 SHEET NUMBER: C-3



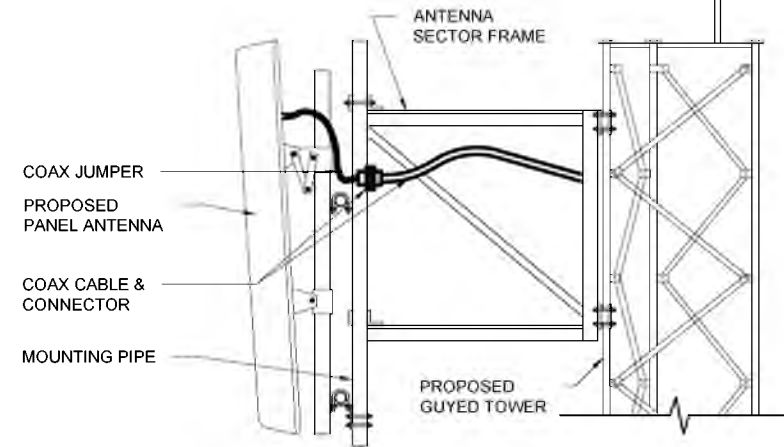
**SITE PLAN**  
 SCALE: 1" = 12.5'

1

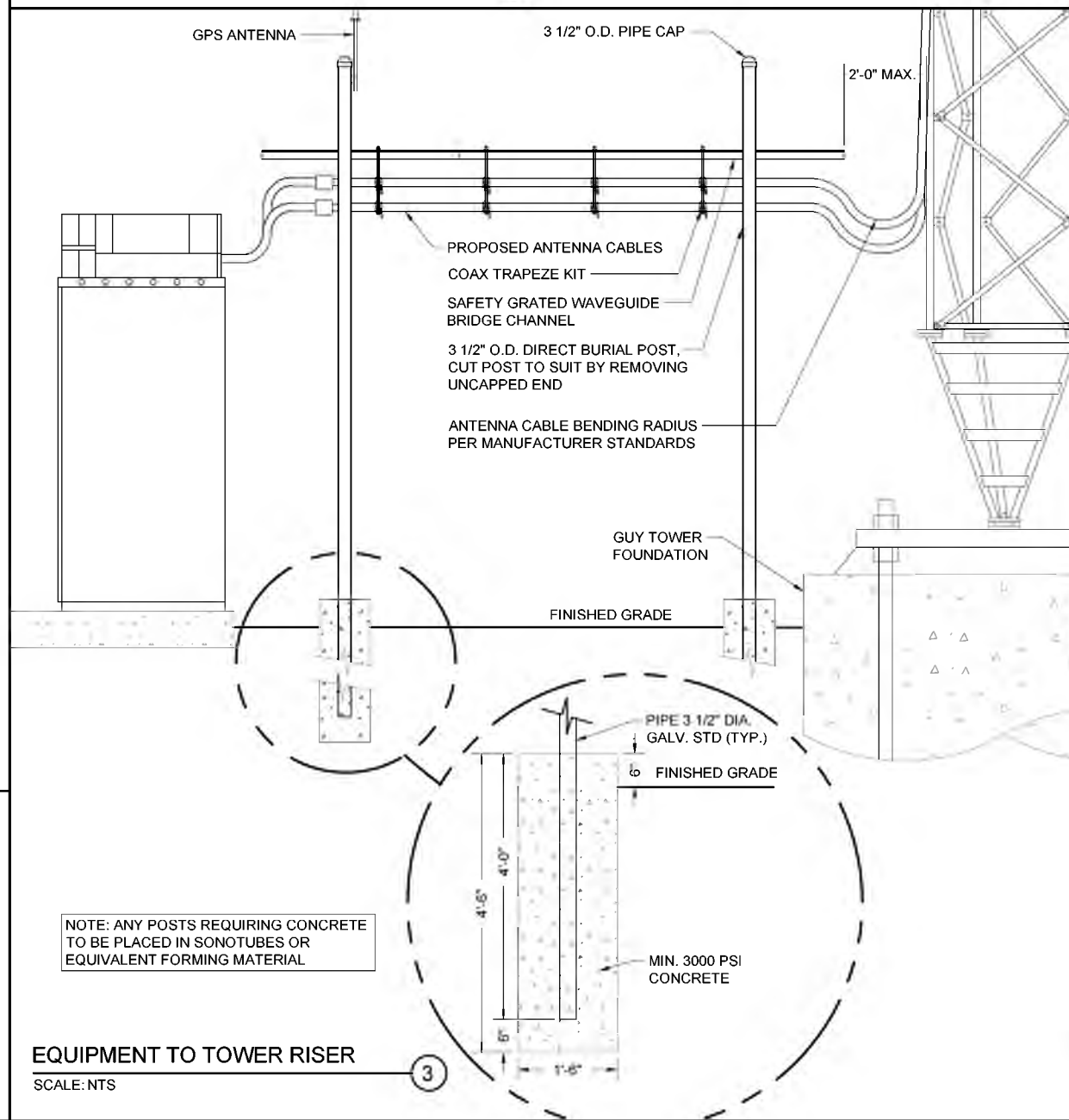


**SITE ELEVATION**  
 SCALE: 1" = 40'

NOTE:  
 SEE RF DATA SHEETS  
 FOR CORRECT LOADING



**PANEL ANTENNA MOUNT DETAIL**  
 SCALE: NTS



**EQUIPMENT TO TOWER RISER**  
 SCALE: NTS

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Continuation of Sheet

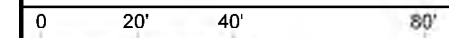
MARK	DATE	DESCRIPTION	DATE ISSUED
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PROJECT TITLE:

**CUMBERLAND AVE**

PROJECT INFORMATION:  
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 TAX ID# 002014430500 & 002014430800  
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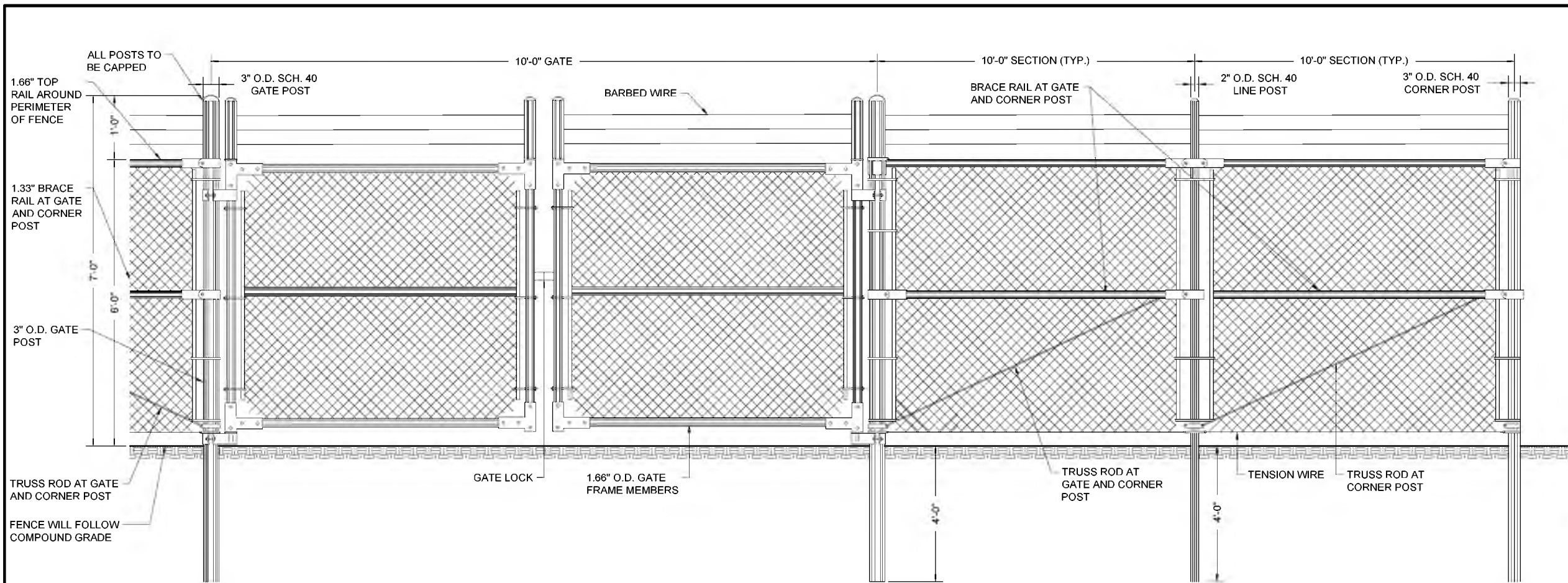
**SITE ELEVATION**



11" x 17" - 1" = 40'  
 22" x 34" - 1" = 20'

PROJECT NUMBER: 54786  
 SHEET NUMBER: C-4

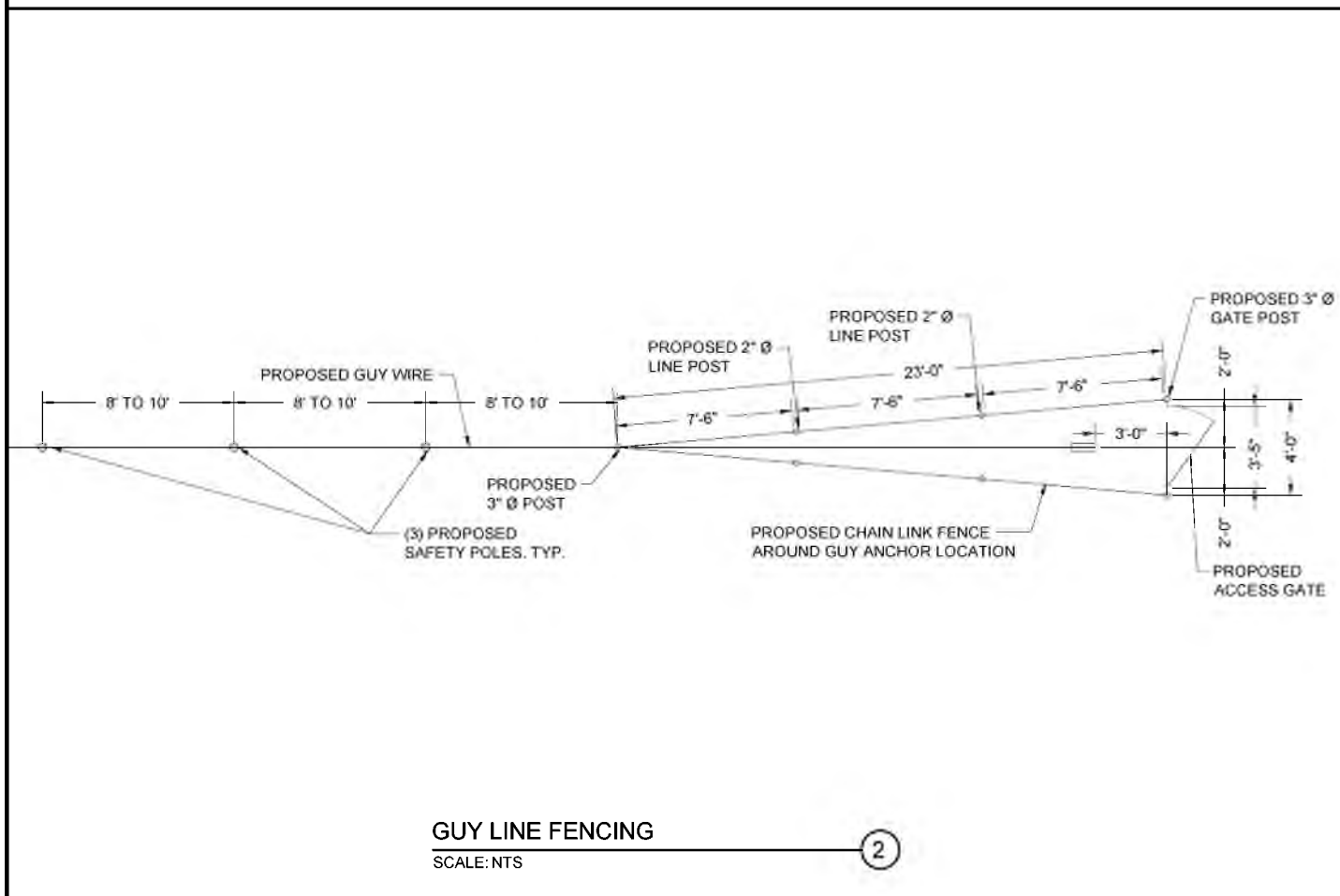




**FENCE AND ACCESS GATE DETAIL**

SCALE: NTS

1



**GUY LINE FENCING**

SCALE: NTS

2

**1. SCOPE:**

1.1 THIS SECTION COVERS THE REQUIREMENTS FOR THE MATERIALS AND THE CONSTRUCTION OF SITE FENCING AND GUY AREA FENCING. SEE SITE PLAN AND DRAWINGS FOR DETAILS.

**2. SPECIAL REQUIREMENTS**

- 2.1 ALL WIRE, FABRIC, FITTINGS, HARDWARE AND STEEL MEMBERS USED FOR SITE AREA FENCING SHALL BE HOT DIPPED GALVANIZED OR OTHER APPROVED NON-CORROSIVE MATERIAL.
- 2.2 ALL NON-CORROSIVE MATERIAL SHALL BE APPROVED BY THE PROJECT MANAGER.
- 2.3 ANY DAMAGE TO GALVANIZING OR NON-CORROSIVE COATING DURING CONSTRUCTION SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S RECOMMENDED METHODS. INSTALLATION PRACTICE:

**3. FENCE POSTS**

- 3.1 LOCATION OF CORNER POSTS SHALL BE DETERMINED FROM STAKES AND PROPERTY PINS INSTALLED BY THE REGISTERED LAND SURVEYOR UNDER CONTRACT. IF THE STAKES ARE NOT PRESENT OR DO NOT CONFORM TO THE SITE PLAN, CONSULT WITH THE PROJECT MANAGER.
- 3.2 CORNERS AND GATE POST FOR SITE SHALL BE 2.875" O.D. GALVANIZED PIPE. UNLESS SPECIFIED OTHERWISE
- 3.3 CORNER POSTS SHALL BE SET WITHIN ONE INCH (1") OF DIMENSIONS INDICATED ON THE SITE PLAN.
- 3.4 FENCE POSTS SHALL BE VERTICALLY PLUMB IN ALL PLANES WITHIN 1/2 INCH (1/2").
- 3.5 CORNER & GATE POST FOUNDATIONS SHALL BE A MINIMUM FOUR FEET (4') DEEP OR SIX INCHES (6") BELOW THE FROST LINE, WHICHEVER IS GREATER, WITH MINIMUM SIX INCH (6") CLEARANCE BETWEEN BOTTOM OF POST AND BOTTOM OF THE HOLE.
- 3.6 CORNER POSTS AND GATE POSTS SPACING SHALL BE EQUAL WITH A TEN FOOT (10') MAXIMUM SPACING. GATE POST SPACING AND SPECIFIC LOCATIONS SHALL BE IN ACCORDANCE WITH SITE PLAN AND SHALL BE VERIFIED PROJECT MANAGER.
- 3.7 ALL POSTS SHALL BE CAPPED.
- 3.8 ALL CORNER, GATE AND END PANELS SHALL HAVE MINIMUM... " DIAMETER DIAGONAL TRUSS RODS WITH THUMBCKLES. HORIZONTAL BRACE RODS, 1-1/2 " INSIDE DIMENSION PIPE, SHALL BE INSTALLED BETWEEN POSTS.
- 3.9 A TOP RAIL (1-3/8" I.D.) GALVANIZED PIPE SHALL BE INSTALLED BETWEEN POSTS.
- 3.10 ALL FOUR CORNERS POSTS AND BOTH GATE POSTS SHALL BE CONNECTED TO THE SITE GROUNDING SYSTEM (REFER TO GROUNDING SYSTEM STANDARD).

**4. GATE**

- 4.1 LOCATION OF GATE SHALL CONFORM TO THE SITE PLAN. GATE SIZE SHALL BE PER PLAN SPECIFICATIONS.
- 4.2 ALL JOINTS BETWEEN TUBULAR GATE MEMBERS SHALL BE WELDED OR HEAVY FITTINGS PROVIDING RIGID AND WATERTIGHT CONNECTIONS.
- 4.3 GATE HINGES SHALL PROVIDE FOR 180 DEGREE RADIUS GATE SWING. ALL HINGE NUTS SHALL BE ON THE INSIDE AND DOUBLE-NUT TO DETER UNAUTHORIZED ENTRY.
- 4.4 GATE STOPS SHALL BE INSTALLED AND SHALL HOLD GATE IN "OPEN" POSITION.
- 4.5 BARBED WIRE GUARD SHALL BE INSTALLED ON TOP OF GATES. ADEQUATE CLEARANCE SHALL BE MAINTAINED TO ALLOW GATE OPERATION.
- 4.6 GATE SHALL BE INSTALLED PLUMB AND SHALL OPEN AND CLOSE FREELY.
- 4.7 GATE POSTS SHALL NOT BE SHARED AS A CORNER POST.
- 4.8 THE FOLLOWING GATE TYPE SHALL BE PROVIDED AND INSTALLED AS INDICATED ON THE SITE PLAN AND VERIFIED WITH THE PROJECT MANAGER:

Continuation of Sheet

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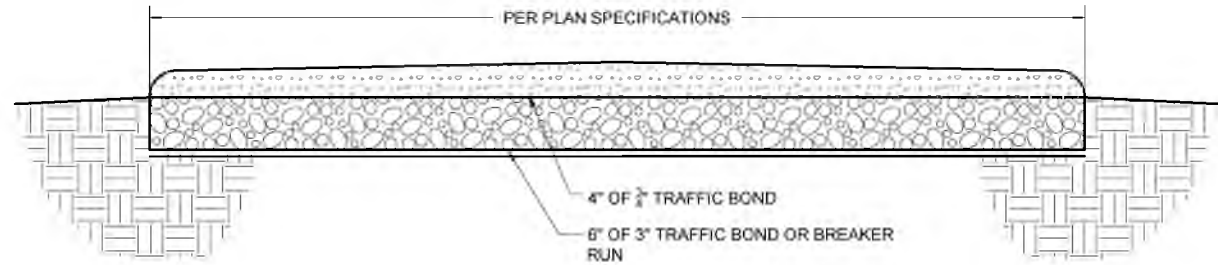
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PROJECT INFORMATION:  
 CUMBERLAND AVENUE  
 BERLIN, WI 54923  
 WAUSHARA COUNTY  
 TAX ID# 002014430500 & 002014430800

SHEET TITLE:  
**FENCE DETAILS**

SCALE: NONE

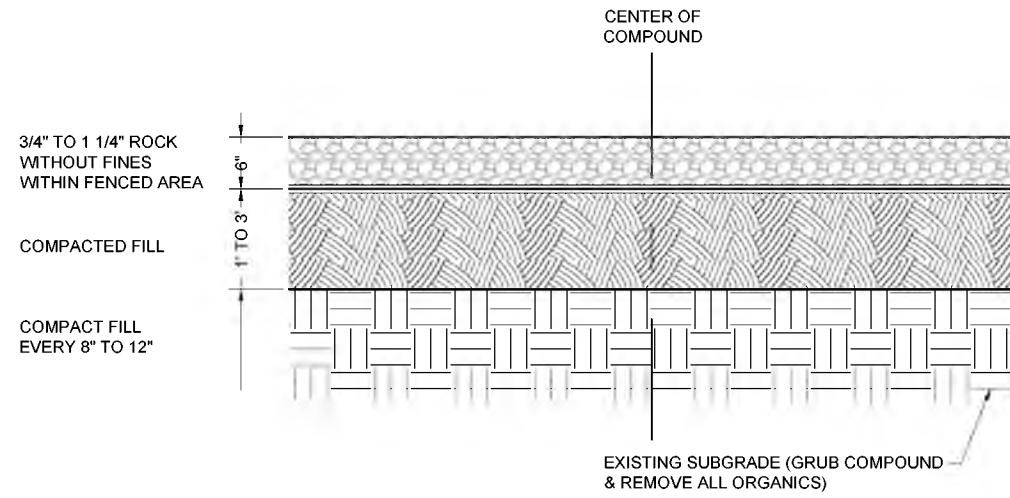
PROJECT NUMBER: 54786  
 SHEET NUMBER: C-5



**GRAVEL ACCESS ROAD**

SCALE: NTS

①

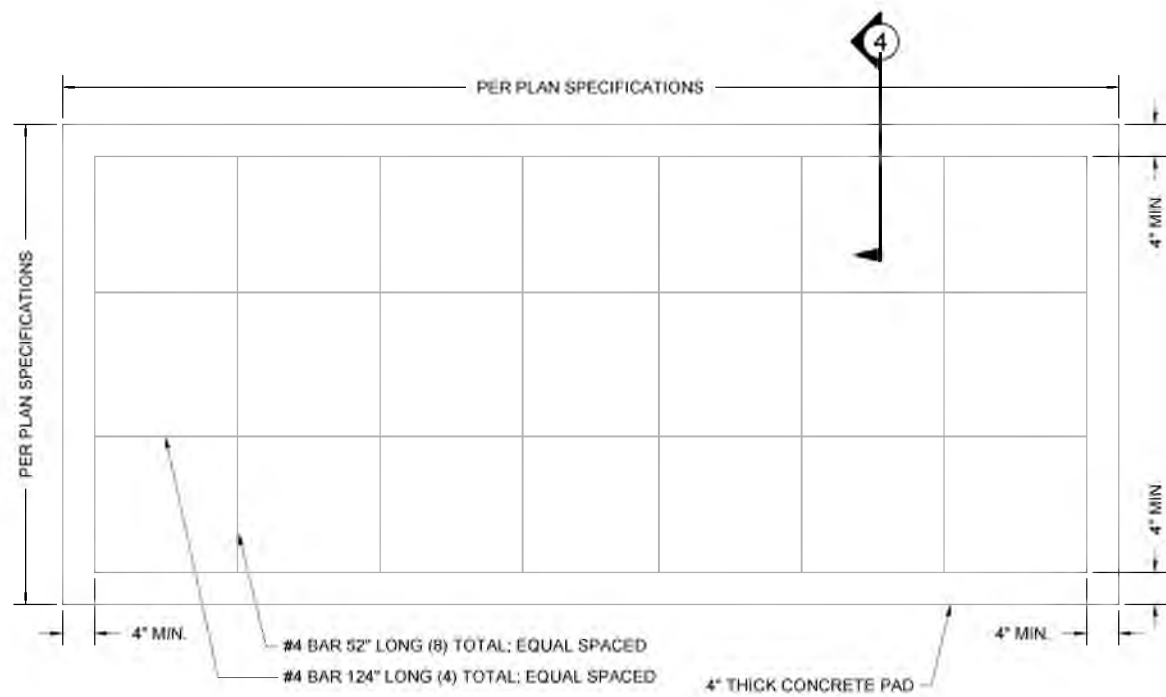


**GRAVEL COMPOUND**

SCALE: NTS

②

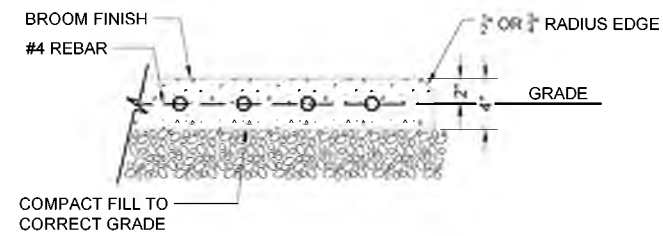
NOTE:  
 REINFORCEMENT MUST CONFORM TO THE  
 REQUIREMENTS OF ASTM AG15 GRADE 60



**EQUIPMENT CONCRETE PLAN**

SCALE: NTS

③



**CONCRETE PAD DETAIL**

SCALE: NTS

④



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 PH.: (920) 940-0147

Certification & Seal:

MARK	DATE	DESCRIPTION
ISSUE	FINAL	DATE ISSUED 05/27/2022

PROJECT TITLE:

**CUMBERLAND AVE**

PROJECT INFORMATION:  
 CUMBERLAND AVENUE  
 BERLIN, WI 54923  
 WAUSHARA COUNTY  
 TAX ID# 002014430500 & 002014430800  
 SHEET TITLE:

**SITE DETAILS**

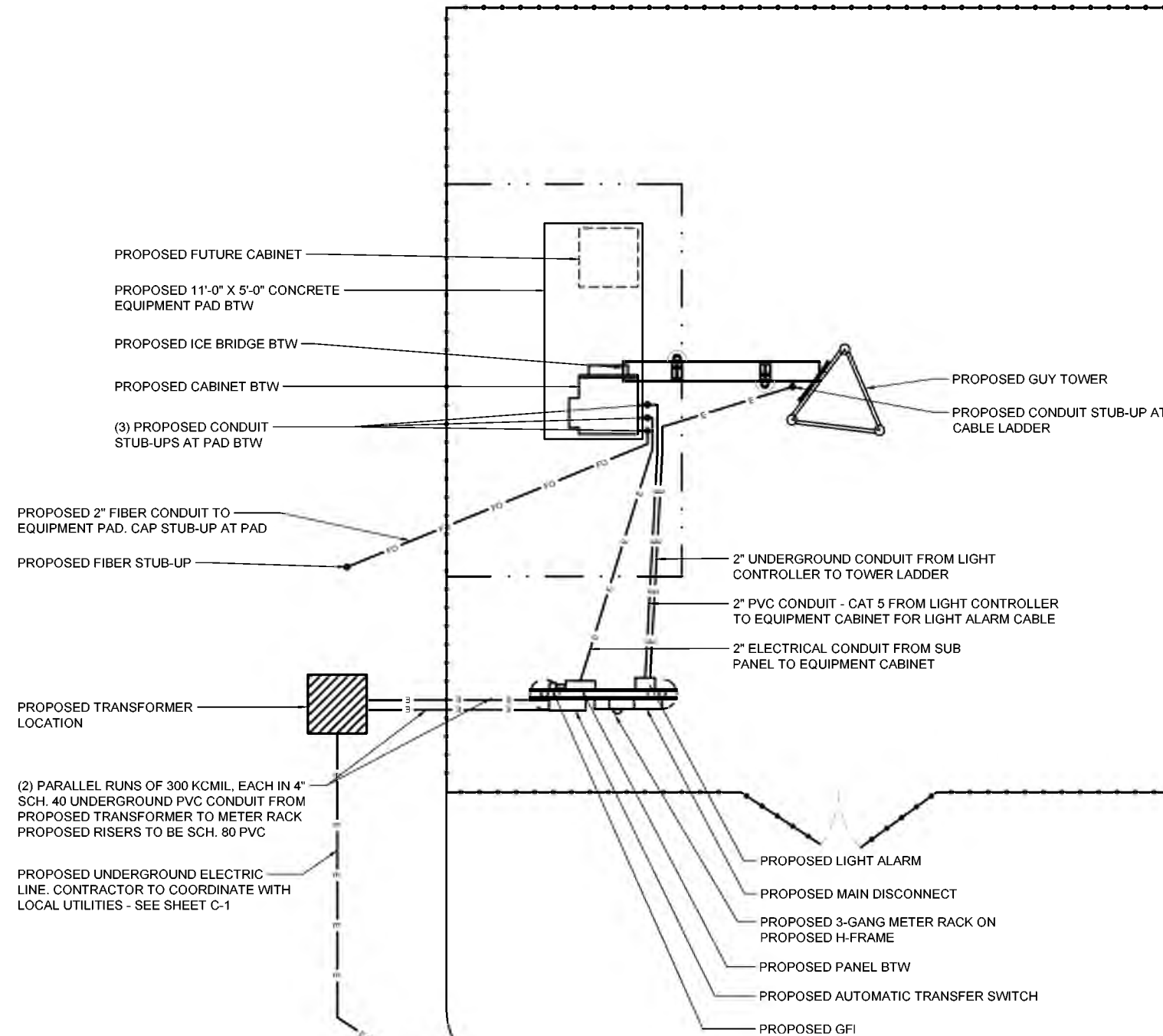
SCALE: NONE

PROJECT NUMBER	54786
SHEET NUMBER	C-6





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 GREEN BAY, WI 54301  
 PH.: (920) 940-0147



Certification & Seal:

MARK	DATE	DESCRIPTION
ISSUE	FINAL	DATE ISSUED 05/27/2022

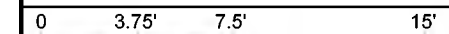
PROJECT TITLE:

### CUMBERLAND AVE

PROJECT INFORMATION:  
 CUMBERLAND AVENUE  
 BERLIN, WI 54923  
 WAUSHARA COUNTY  
 TAX ID# 002014430500 & 002014430800

SHEET TITLE:

### UTILITY PLAN



11" x 17" - 1" = 7.5'  
 22" x 34" - 1" = 3.75'

UTILITY PLAN  
 SCALE: 1" = 5'

1

PROJECT NUMBER: 54786  
 SHEET NUMBER: E-1



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 GREEN BAY, WI 54301  
 PH.: (920) 940-0147

Certification & Seal:

MARK	DATE	DESCRIPTION
ISSUE	FINAL	DATE ISSUED 05/27/2022

PROJECT TITLE:  
**CUMBERLAND AVE**

PROJECT INFORMATION:  
 CUMBERLAND AVENUE  
 BERLIN, WI 54923  
 WAUSHARA COUNTY  
 TAX ID# 002014430500 & 002014430800

SHEET TITLE:  
**GROUNDING PLAN**

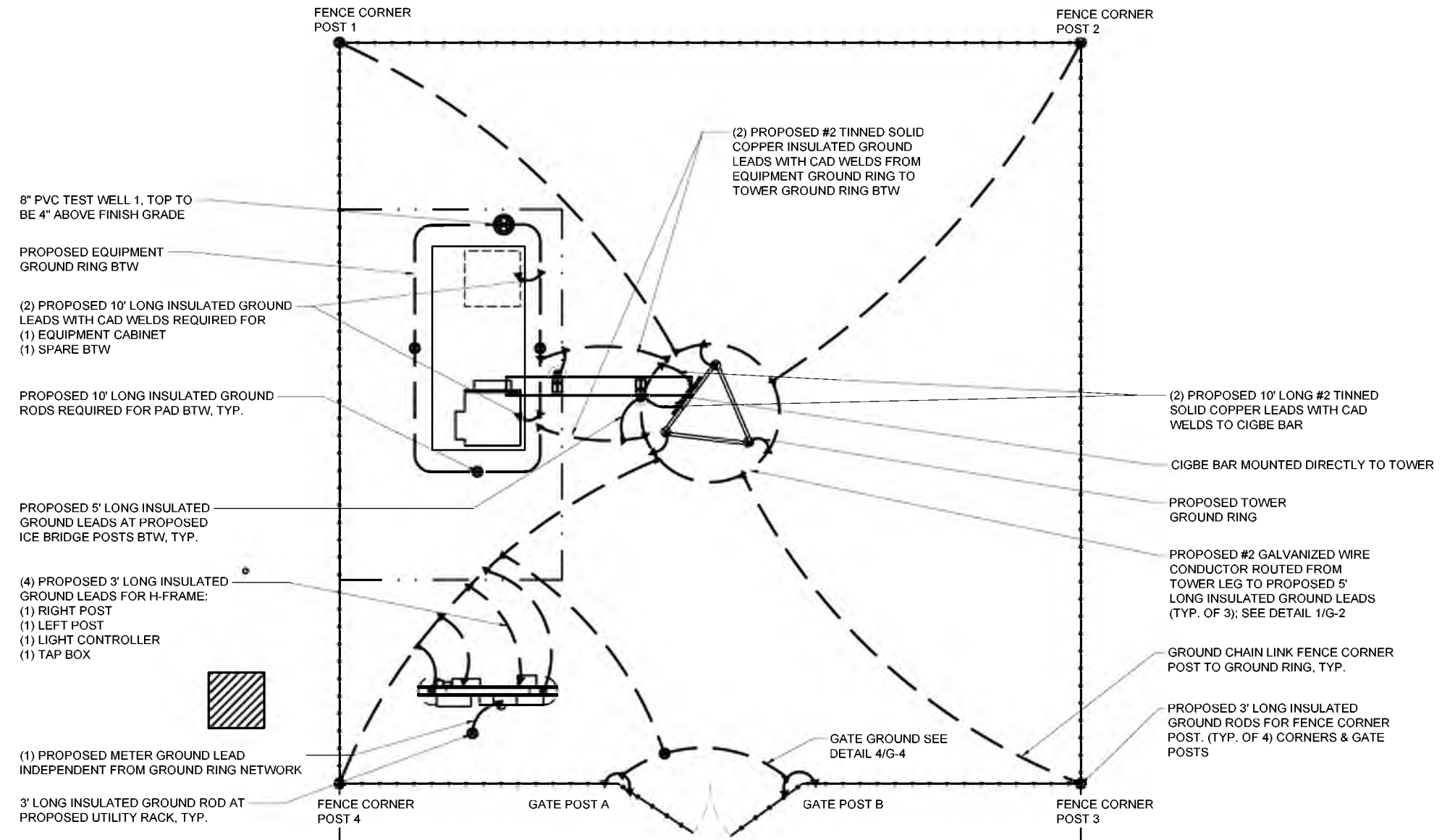
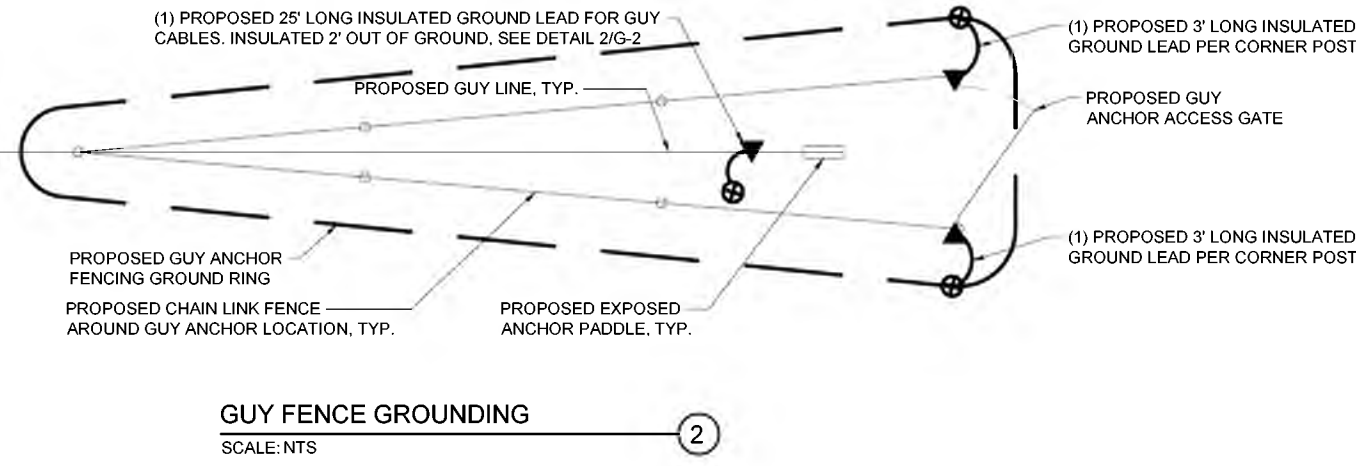
11" x 17" - 1" = 7.5'  
 22" x 34" - 1" = 3.75'

PROJECT NUMBER	54786
SHEET NUMBER	G-1

ELECTRICIAN TO PROVIDE DOCUMENT OF OHM'S TEST PRIOR TO BACKFILL - MUST INDICATE LESS THAN 5 OHMS (TEST RESULTS) PICTURES MUST BE EMAILED TO PROJECT MANAGER. PAYMENT WILL BE HELD UNTIL PICTURES HAVE BEEN RECEIVED BY PROJECT MANAGER

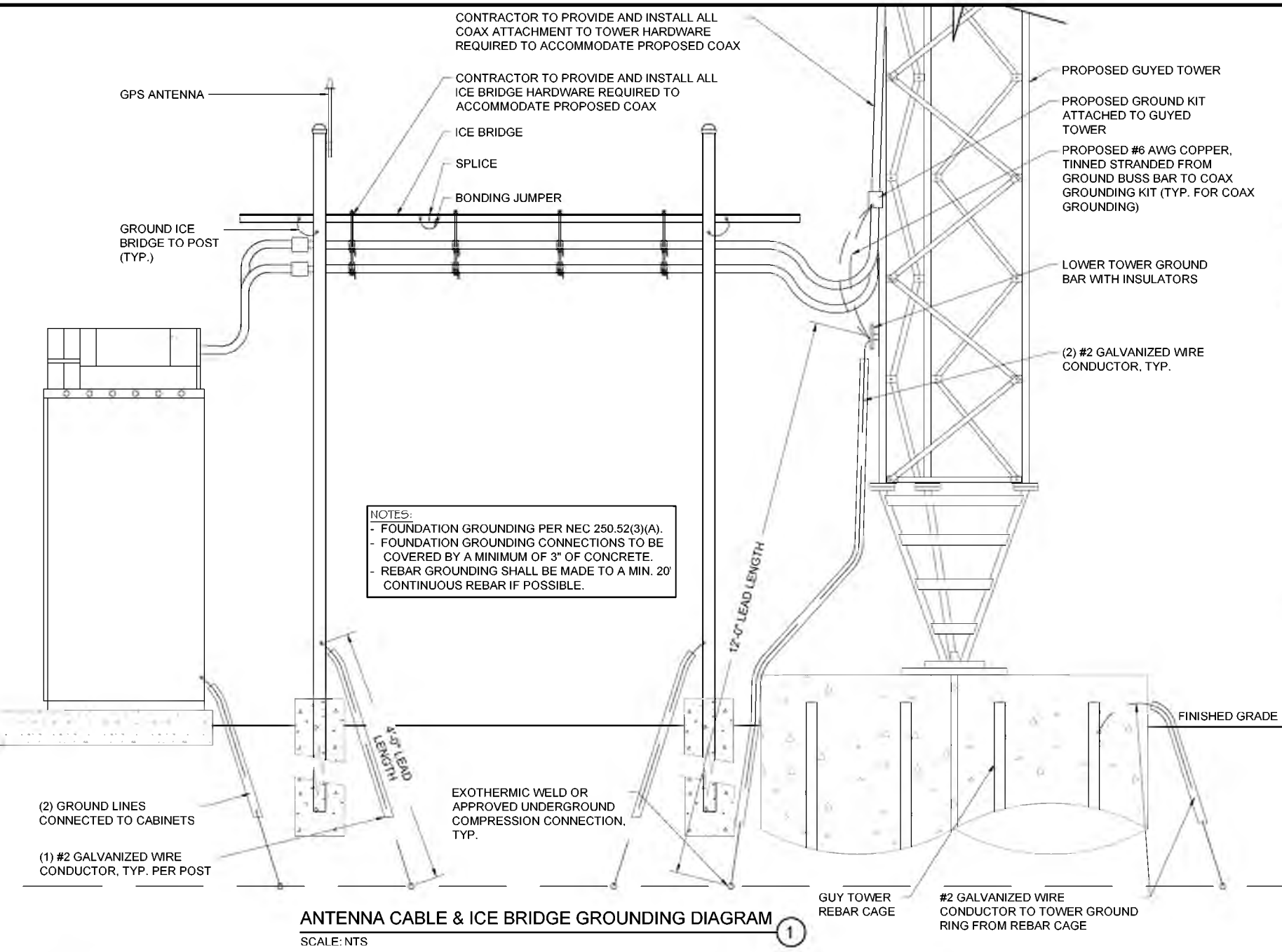
**GROUNDING SCHEDULE**

- #2 TINNED SOLID COPPER WIRE
- ▲ EXOTHERMIC CONNECTION
- ⊗ GROUND ROD
- ⊗ GROUND TEST WELL
- MIGB MASTER ISOLATED GROUND BAR
- CIGBE COAX ISOLATED GROUND BAR EXTERNAL

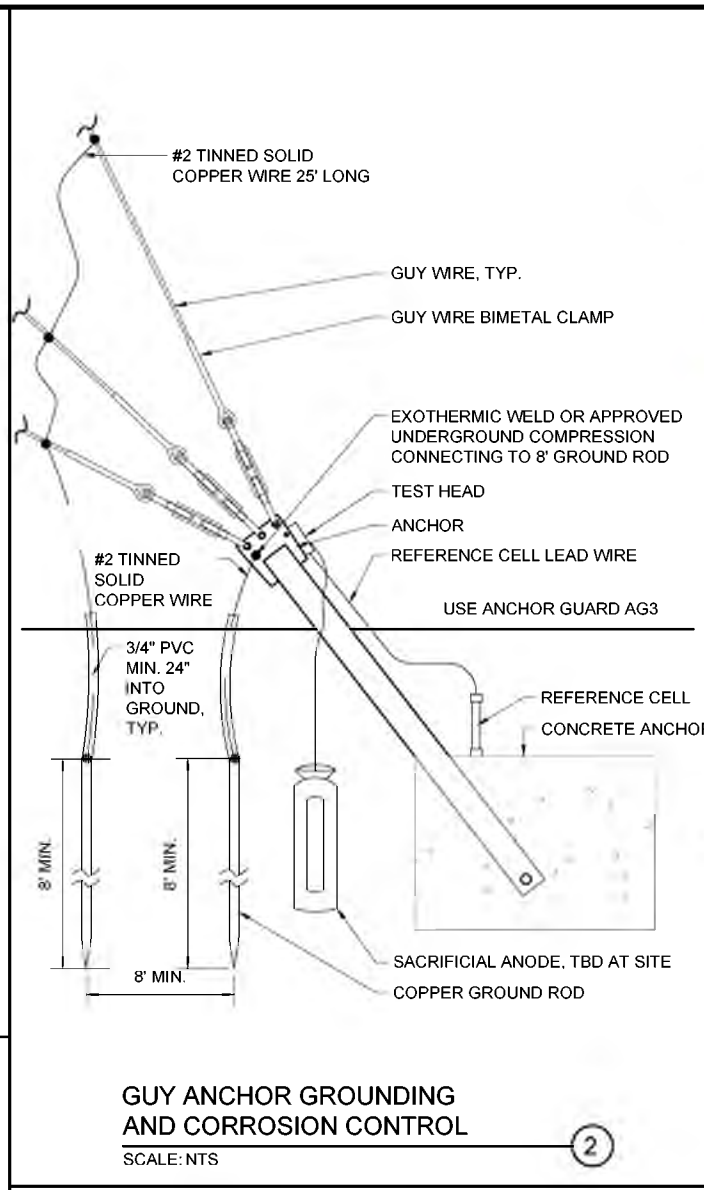


**GROUNDING PLAN**  
 SCALE: 1" = 7.5'

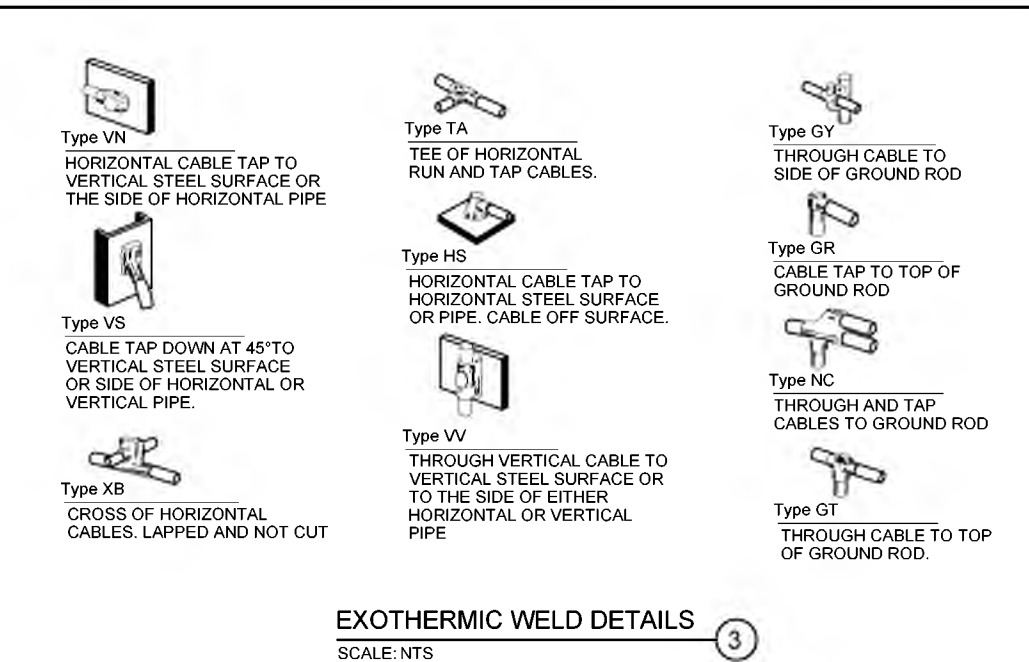




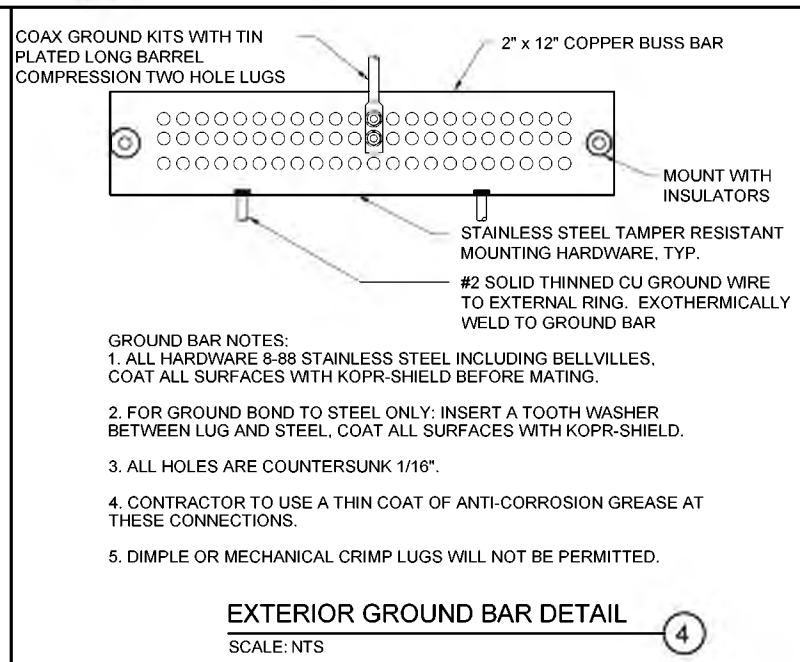
**ANTENNA CABLE & ICE BRIDGE GROUNDING DIAGRAM**  
 SCALE: NTS



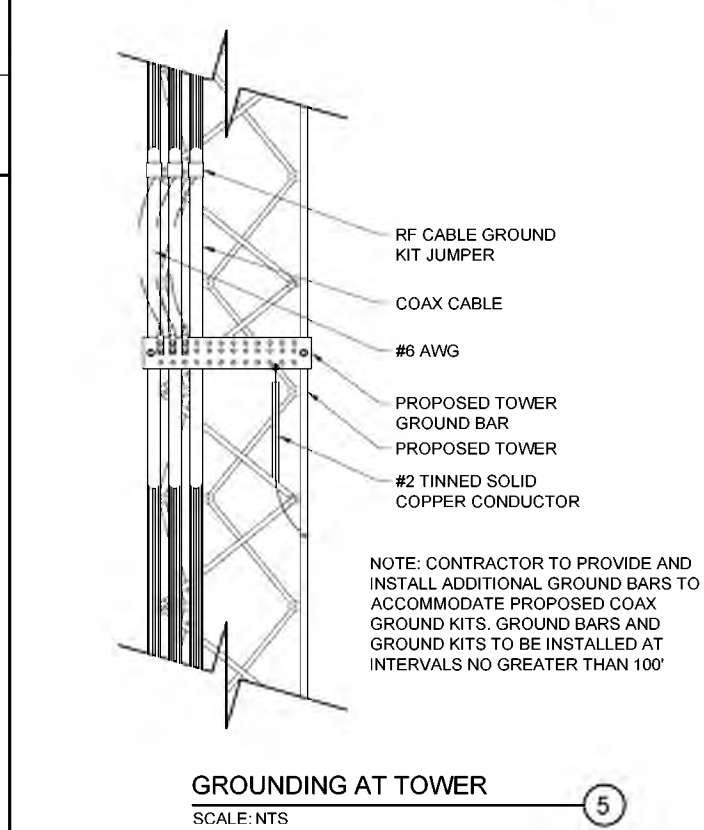
**GUY ANCHOR GROUNDING AND CORROSION CONTROL**  
 SCALE: NTS



**EXOTHERMIC WELD DETAILS**  
 SCALE: NTS



**EXTERIOR GROUND BAR DETAIL**  
 SCALE: NTS



**GROUNDING AT TOWER**  
 SCALE: NTS

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Continuation of Sheet

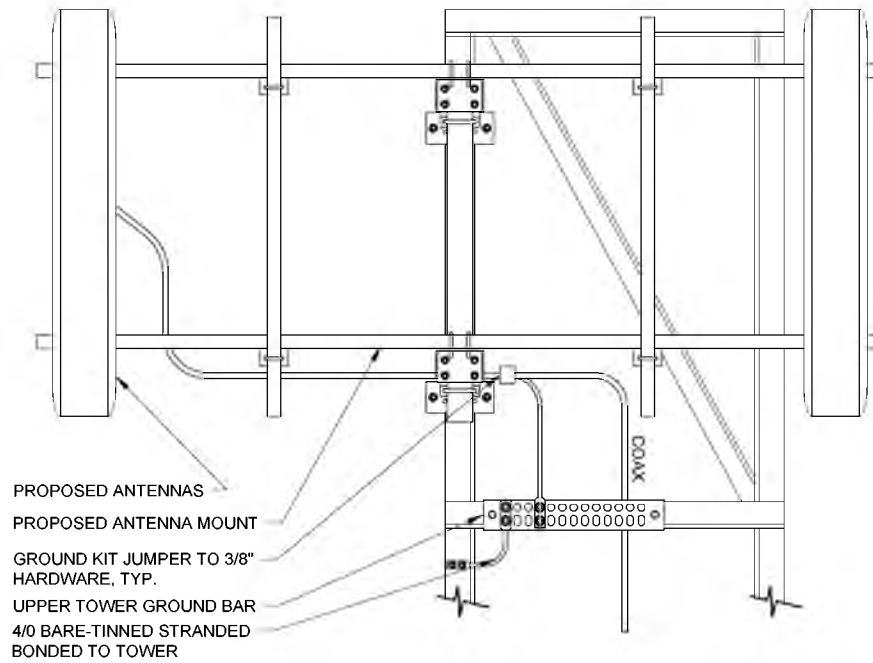
MARK	DATE	DESCRIPTION
ISSUE PHASE	FINAL	DATE ISSUED 05/27/2022
PROJECT TITLE:		

**CUMBERLAND AVE**

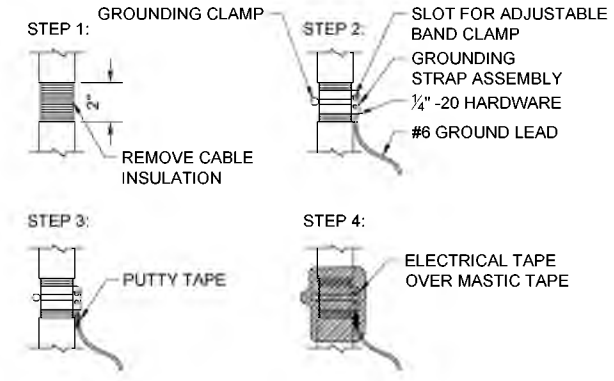
PROJECT INFORMATION:  
 CUMBERLAND AVENUE  
 BERLIN, WI 54923  
 WAUSHARA COUNTY  
 TAX ID# 002014430500 & 002014430800  
 SHEET TITLE:

**GROUNDING DETAILS**  
 SCALE: NONE  
 PROJECT NUMBER: 54786  
 SHEET NUMBER: G-2

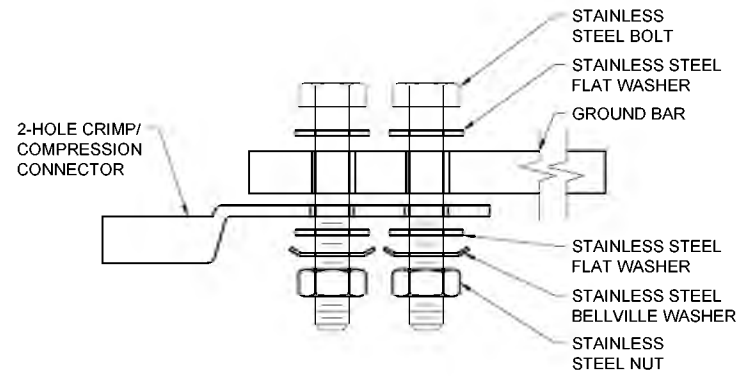
- NOTES:**
1. ALL HARDWARE (BOLTS, SCREWS, NUTS, WASHERS) SHALL BE 18-8 STAINLESS STEEL TYPE GRADE.
  2. CHOOSE BOLT LENGTH TO ALLOW A MIN. OF TWO THREADS EXPOSED.
  3. BURNISH MOUNTING SURFACE TO REMOVE PAINT IN THE AREA OF THE CONNECTOR.
  4. APPLY ANTI-OXIDANT COMPOUND TO MATING SURFACE OF CONNECTOR AND WIPE OFF EXCESS COMPOUND.
  5. OHMS TEST REQUIRED BY ELECTRIC CONTRACTOR PRIOR TO BACKFILL. RESULTS PROVIDED TO CLOUD-1/ INTELEGRA



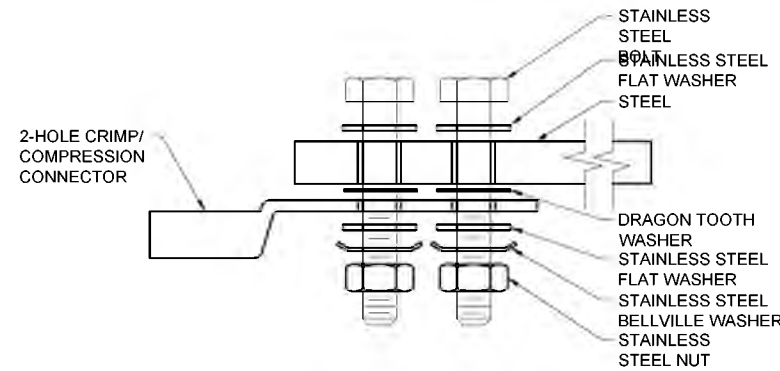
**ANTENNA GROUNDING**  
 SCALE: NTS ①



**COAXIAL CABLE GROUNDING**  
 SCALE: NTS ②



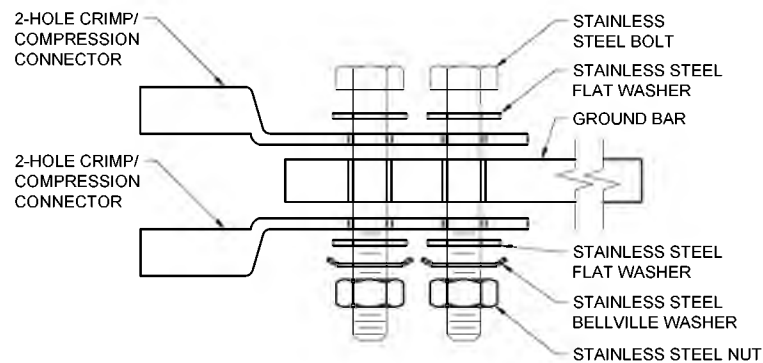
**SINGLE CONNECTOR AT GROUND BARS**



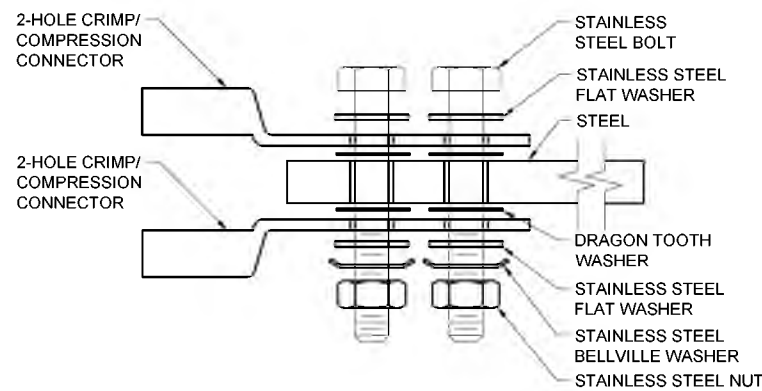
**SINGLE CONNECTOR AT STEEL OBJECTS**



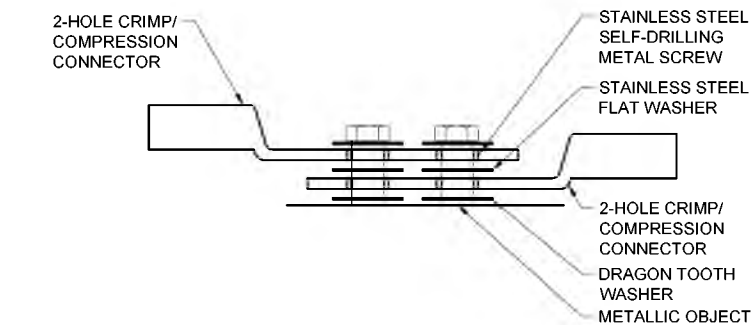
**SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS**



**BACK TO BACK CONNECTORS AT GROUND BARS**



**BACK TO BACK CONNECTORS AT STEEL OBJECTS**



**BACK TO BACK CONNECTORS AT METALLIC/STEEL OBJECTS**

**CONNECTORS AND HARDWARE**  
 SCALE: NTS ③

Certification & Seal:

MARK	DATE	DESCRIPTION
ISSUE PHASE	FINAL	DATE ISSUED 05/27/2022

PROJECT TITLE:

**CUMBERLAND AVE**

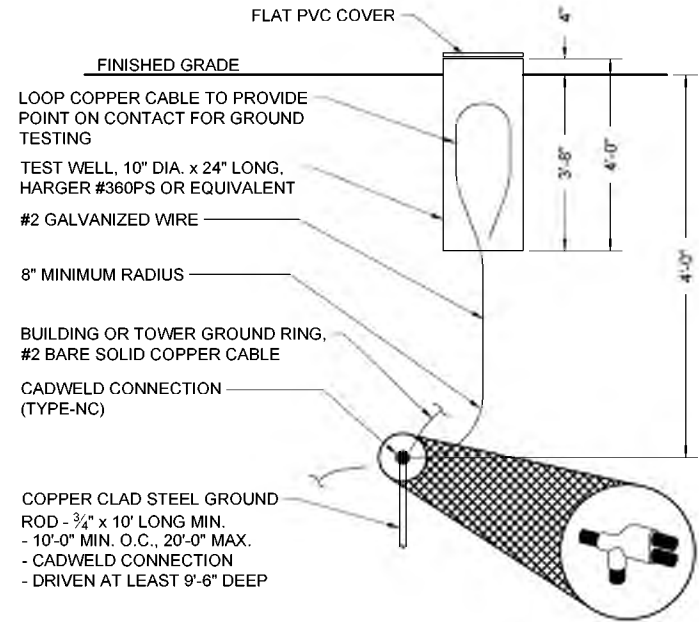
PROJECT INFORMATION:  
 CUMBERLAND AVENUE  
 BERLIN, WI 54923  
 WAUSHARA COUNTY  
 TAX ID# 002014430500 & 002014430800  
 SHEET TITLE:

**GROUNDING DETAILS**

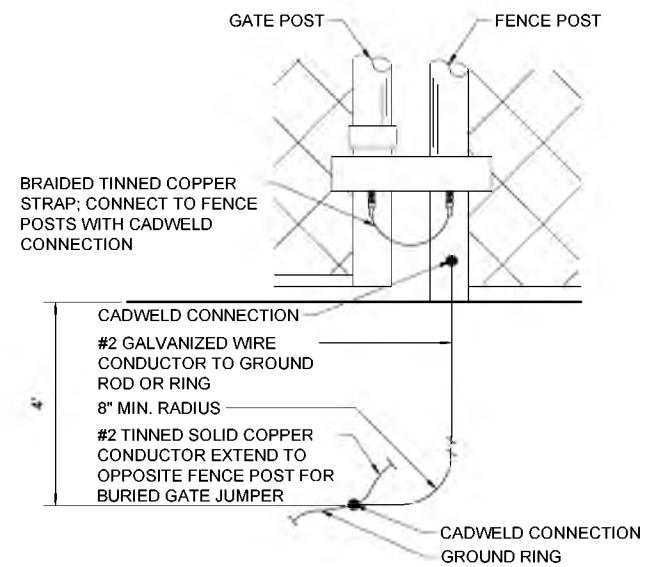
SCALE: NONE

PROJECT NUMBER	54786
SHEET NUMBER	G-3

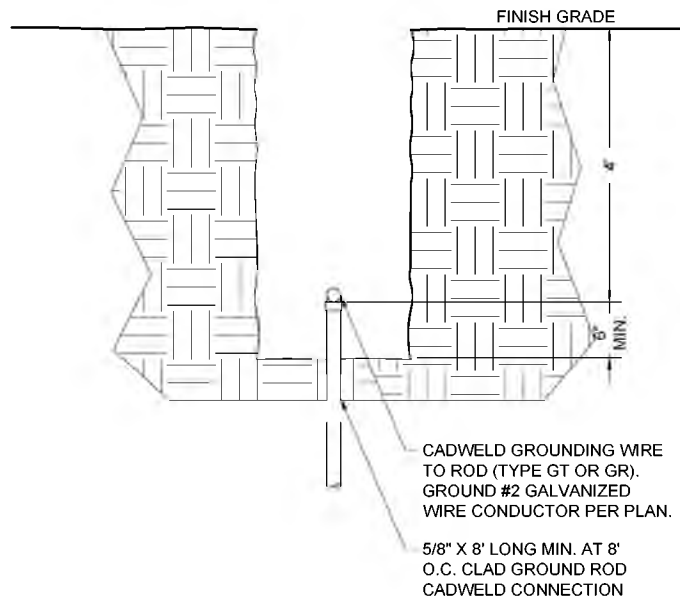




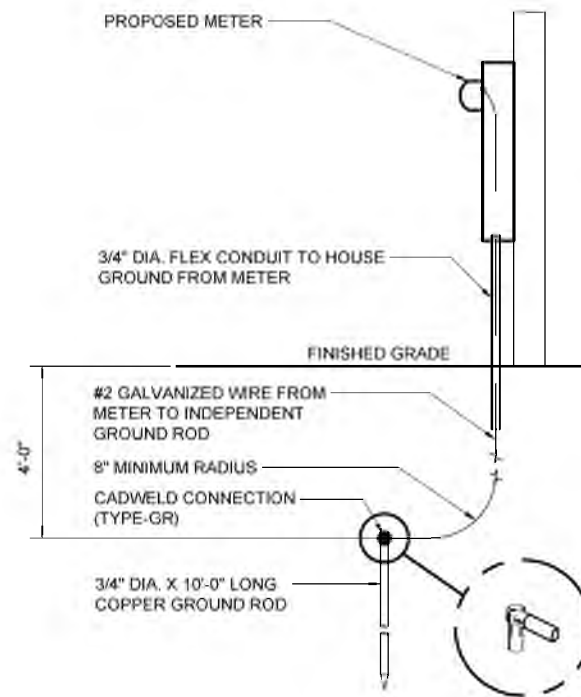
**GROUND TEST WELL**  
 SCALE: NTS ①



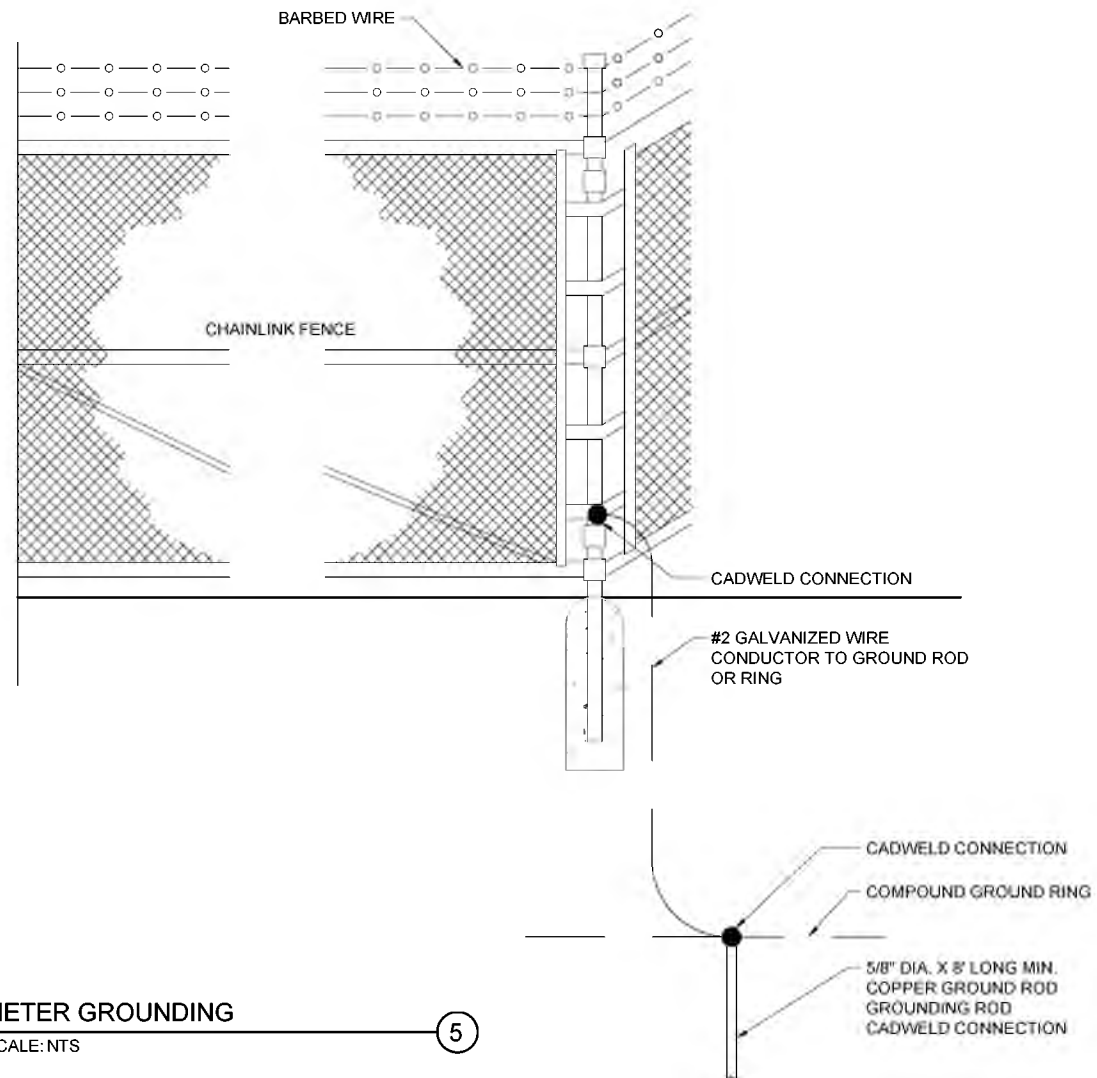
**GATE GROUNDING**  
 SCALE: NTS ④



**GROUND ROD**  
 SCALE: NTS ②



**METER GROUNDING**  
 SCALE: NTS ③



**METER GROUNDING**  
 SCALE: NTS ⑤

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Certification & Seal:

MARK	DATE	DESCRIPTION
ISSUE PHASE	FINAL	DATE ISSUED 05/27/2022

PROJECT TITLE:

**CUMBERLAND AVE**

PROJECT INFORMATION:  
 CUMBERLAND AVENUE  
 BERLIN, WI 54923  
 WAUSHARA COUNTY  
 TAX ID# 002014430500 & 002014430800  
 SHEET TITLE:

**GROUNDING DETAILS**

SCALE: NONE

PROJECT NUMBER	54786
SHEET NUMBER	G-4



**Aerial Photograph**

Cumberland Ave (WI22069-6422)  
Cumberland Avenue  
Berlin, Wisconsin 54923  
Waushara County

Source: Google Earth



NOT TO SCALE



# National Flood Hazard Layer FIRMette



88°55'12"W 44°51'52"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- |                                    |   |
|------------------------------------|---|
| <b>SPECIAL FLOOD HAZARD AREAS</b>  | <ul style="list-style-type: none"> <li>Without Base Flood Elevation (BFE) <small>Zone B, V, A99</small></li> <li>With BFE or Depth <small>Zone AE, AO, AH, VE, VE1</small></li> <li>Regulatory Floodway</li> </ul>  |
| <b>OTHER AREAS OF FLOOD HAZARD</b> | <ul style="list-style-type: none"> <li>0.2% Annual Chance Flood Hazard. Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <small>Zone X</small></li> <li>Future Conditions 1% Annual Chance Flood Hazard <small>Zone X</small></li> <li>Area with Reduced Flood Risk due to Levee. See Notes. <small>Zone X</small></li> <li>Area with Flood Risk due to Levee <small>Zone D</small></li> </ul> |
| <b>OTHER AREAS</b>                 | <ul style="list-style-type: none"> <li>No SCREEN Area of Minimal Flood Hazard <small>Zone X</small></li> <li>Effective LOMRS</li> <li>Area of Undetermined Flood Hazard <small>Zone U</small></li> </ul>  |
| <b>GENERAL STRUCTURES</b>          | <ul style="list-style-type: none"> <li>Channel, Culvert, or Storm Sewer</li> <li>Levee, Dike, or Floodwall</li> </ul>   |
| <b>OTHER FEATURES</b>              | <ul style="list-style-type: none"> <li>Cross Sections With 1% Annual Chance Water Surface Elevation</li> <li>Coastal Transect</li> <li>Base Flood Elevation Line (BFE)</li> <li>Limit of Study</li> <li>Jurisdiction Boundary</li> <li>Coastal Transect Baseline</li> <li>Profile Baseline</li> <li>Hydrographic Feature</li> </ul>   |
| <b>MAP PANELS</b>                  | <ul style="list-style-type: none"> <li>Digital Data Available</li> <li>No Digital Data Available</li> <li>Unmapped</li> </ul> <p>The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.</p>   |

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shows complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/11/2022 at 3:47 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

## FEMA Floodplain Map



Cumberland Ave (WI22069-6422)  
Cumberland Avenue  
Berlin, Wisconsin 54923  
Waushara County

Source: FEMA Flood Map Service Center





April 11, 2022

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

**Wetland Map**

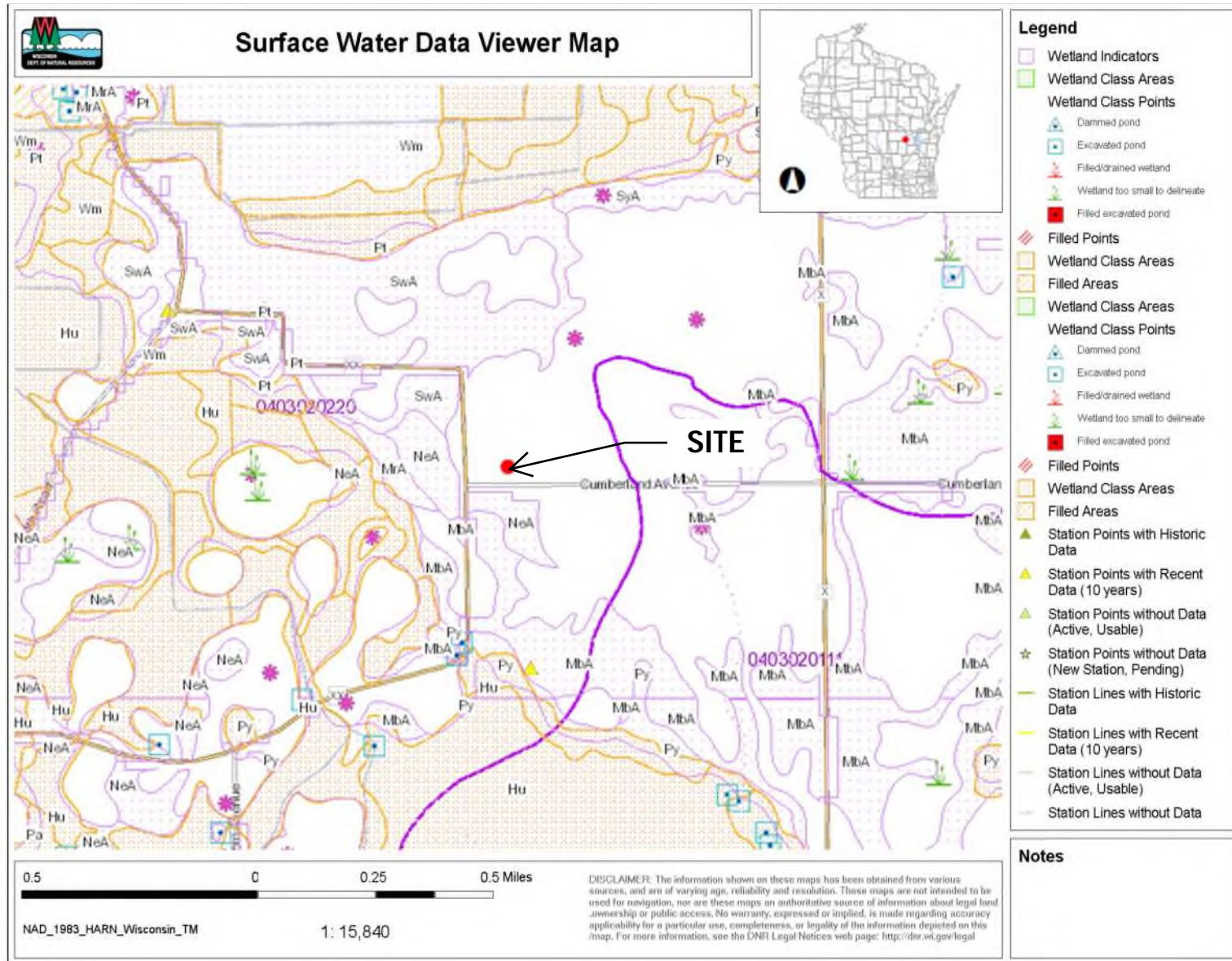


Cumberland Ave (WI22069-6422)  
 Cumberland Avenue  
 Berlin, Wisconsin 54923  
 Waushara County

Source: US FWS National Wetlands Inventory







**Wetland Map**



Cumberland Ave (WI22069-6422)  
 Cumberland Avenue  
 Berlin, Wisconsin 54923  
 Waushara County

Source: WDNR Surface Water Data Viewer





## **PRELIMINARY NEPA COMPLIANCE EVALUATION REPORT**

<b>PROJECT INFORMATION:</b>	Cumberland Ave (WI22069-6422) Cumberland Avenue Berlin, Waushara County, WI 54923
<b>PROJECT ID:</b>	54786
<b>PREPARED FOR:</b>	Elliott York Ramaker & Associates 855 Community Dr Sauk City, WI 53583
<b>REPORT DATE:</b>	04/26/2022
<b>TABLE OF CONTENTS:</b>	EXECUTIVE SUMMARY PROJECT LOCATION EVALUATION REFERENCES & GLOSSARY

## EXECUTIVE SUMMARY

**PROJECT INFORMATION:** Cumberland Ave (WI22069-6422)  
Cumberland Avenue  
Berlin, Waushara County, WI 54923

**PROJECT DESCRIPTION:** Proposed construction of a telecommunications tower and associated equipment.

FCC NEPA Category	Reference Document	Review Required
Designated Wilderness Areas	47 CFR §1.1307(a)(1)	<input checked="" type="checkbox"/>
Designated Wildlife Preserves	47 CFR §1.1307(a)(2)	<input checked="" type="checkbox"/>
Threatened or Endangered Species & Critical Habitats	47 CFR §1.1307(a)(3)	<input checked="" type="checkbox"/>
Historic Places (Section 106)	47 CFR §1.1307(a)(4)	<input checked="" type="checkbox"/>
Indian Religious Sites (TCNS)	47 CFR §1.1307(a)(5)	<input checked="" type="checkbox"/>
Floodplain	47 CFR §1.1307(a)(6)	<input checked="" type="checkbox"/>
Impacts to Surface Features - Wetlands, Water Diversion, Deforestation	47 CFR §1.1307(a)(7)	<input checked="" type="checkbox"/>
High Intensity White Lights in Residential Neighborhoods	47 CFR §1.1307(a)(8)	<input checked="" type="checkbox"/>
Human Exposure To RF Radiation	47 CFR §1.1307(b)	<input checked="" type="checkbox"/>

Regardless of whether review of any of the FCC Special Interest Items as outlined in *47 CFR §1.1307(a) (1) through (8) is required*, RF emissions must also be considered as outlined in *47 CFR §1.1307(b)*. Typically this review is completed by the licensee. This review does not include a review of RF emissions.

The proposed facility includes construction of a new tower; no potential exclusions from the FCC's NEPA rules were identified. In accordance with FCC's rules, a review of FCC Special Interest Items 47 CFR §1.1307 (a)(1) through (8) and (b) should be completed to determine if the action is categorically exempt from preparation of an Environmental Assessment.

## PROJECT LOCATION

**PROJECT INFORMATION:** Cumberland Ave (WI22069-6422)  
Cumberland Avenue  
Berlin, Waushara County, WI 54923

**COORDINATES:** [44.027403,-88.914881]



● 250-foot radius



## EVALUATION

**PROJECT  
INFORMATION:**

Cumberland Ave (WI22069-6422)

The following details were provided by the user for this project:

Type of Structure	FCC TOWER
What is the classification of the FCC Tower?	NEW
Located in Government Designated Right-of-Way	NO
Located in Existing Industrial Park / Mall / Shopping Center	NO

## REFERENCES AND GLOSSARY

### REFERENCES:

- Code of Federal Regulations: 47 CFR, §§ 1.1301-1.1319 – Procedures implementing the National Environmental Policy Act of 1969
- Nationwide Programmatic Agreement for the Collocation of Wireless Antennas, March 16, 2001, 47 CFR, Appendix B to Part 1
- Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process, March 7, 2005 47 CFR, Appendix C to Part 1
- First Amendment to Nationwide Programmatic Agreement for the Collocation of Wireless Antennas, August 8, 2016
- Section 106 of the National Historic Preservation Act of 1966 (36 CFR Part 800)

### GLOSSARY OF TERMS & ACRONYMS:

Antenna	An apparatus designed for the purpose of emitting radio frequency ("RF") radiation, to be operated or operating from a fixed location pursuant to Commission authorization, for the transmission of writing, signs, signals, data, images, pictures, and sounds of all kinds, including the transmitting device and any on-site equipment, switches, wiring, cabling, power sources, shelters or cabinets associated with that antenna and added to a Tower, structure, or building as part of the original installation of the antenna. For most services, an antenna will be mounted on or in, and is distinct from, a supporting structure such as a tower, structure or building. However, in the case of AM broadcast stations, the entire tower or group of towers constitutes the Antenna for that station. For purposes of the Nationwide Agreement, the term antenna does not include unintentional radiators, mobile stations, or devices authorized under Part 15 of the Commission's rules. <i>Source: 47 CFR, Appendix C to Part 1</i>
Applicant	A Commission licensee, permittee, or registration holder, or an applicant or prospective applicant for a wireless or broadcast license, authorization or antenna structure registration, and the duly authorized agents, employees, and contractors of any such person or entity. <i>Source: 47 CFR, Appendix C to Part 1, First Amendment to Nationwide Programmatic Agreement for the Collocation of Wireless Antennas, August 8, 2016</i>
CA	Collocation Agreement
Collocation	The mounting or installation of an antenna on an existing tower, building, or structure for the purpose of transmitting radio frequency signals for communications purposes, whether or not there is an existing antenna on the structure. <i>Source: 47 CFR, Appendix B to Part 1, 47 CFR Appendix C to Part 1</i>

Collocation Agreement	Nationwide Programmatic Agreement for the Collocation of Wireless Antennas, March 16, 2001 (47 CFR, Appendix B to Part 1)
Commercial Strip Mall	A structure or grouping of structures, housing retail business, set back far enough from the street to permit parking spaces to be placed between the building entrances and the public right of way. <i>Source: 47 CFR, Appendix C to Part 1</i>
EA	Environmental Assessment
Facility	A tower or an antenna. The term facility may also refer to a tower and its associated antenna(s). <i>Source: 47 CFR, Appendix C to Part 1</i>
FCC	Federal Communications Commission
Historic Property	Any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or NHO that meet the National Register criteria. <i>Source: 47 CFR, Appendix C to Part 1</i>
Industrial Park	A tract of land that is planned, developed, and operated as an integrated facility for a number of individual industrial uses, with consideration to transportation facilities, circulation, parking, utility needs, aesthetics and compatibility. <i>Source: 47 CFR, Appendix C to Part 1</i>
National Register	National Register of Historic Places, maintained by the Secretary of the Interior's office of the Keeper of the National Register. <i>Source: 47 CFR, Appendix C to Part 1</i>
Nationwide Agreement	Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process, March 7, 2005, 47 CFR, Appendix C to Part 1. Also commonly referred to as the NPA.
NEPA	National Environmental Policy Act of 1969
NHPA	National Historic Preservation Act of 1966
NHO	Native Hawaiian Organization
No New Ground Disturbance	<ol style="list-style-type: none"> <li>1. When the depth and width of previous disturbance exceeds the proposed construction depth and width by at least two feet. <i>Source: 47 CFR, §§ 1.1307 Note to Paragraph (a)(4)(ii), or</i></li> <li>2. When the depth and width of any proposed ground disturbance associated with the collocation does not exceed the depth and width of any previous</li> </ol>

ground disturbance (including footings and other anchoring mechanisms). Up to four lightning grounding rods of no more than three-quarters of an inch in diameter may be installed per project regardless of the extent of previous ground disturbance. *Source: First Amendment to Nationwide Programmatic Agreement for the Collocation of Wireless Antennas, August 8, 2016*

Non-Tower Structure	Any structure built for purposes other than for the sole or primary purpose of supporting FCC-licensed antennas and their associated facilities.
NPA	Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process, March 7, 2005, 47 CFR, Appendix C to Part 1. Also commonly referred to as the Nationwide Agreement.
Section 106	Section 106 of the National Historic Preservation Act
Shopping Center	A group of commercial establishments planned, constructed, and managed as a total entity, with customer and employee parking provided on-site, provision for goods delivery separated from customer access, aesthetic considerations and protection from the elements, and landscaping and signage in accordance with an approved plan. <i>Source: 47 CFR, Appendix C to Part 1</i>
SHPO	State Historic Preservation Officer
SHPO/THPO Inventory	A set of records of previously gathered information, authorized by state or tribal law, on the absence, presence and significance of historic and archaeological resources within the state or tribal land. <i>Source: 47 CFR, Appendix C to Part 1</i>
Small Wireless Antenna	Generally defined as an antenna, excluding the associated equipment, that fits within an enclosure (or if the antenna is exposed, within an imaginary enclosure, i.e., one that would be the correct size to contain the equipment) that is individually no more than tree cubic feet in volume. <i>Source: 47 CFR, §§ 1.1307(4)(ii)(A)(1), First Amendment to Nationwide Programmatic Agreement for the Collocation of Wireless Antennas, August 8, 2016</i>
Substantial Increase in the Size of the Tower	"Substantial Increase in the size of the tower" means: <ol style="list-style-type: none"><li>1. The mounting of the proposed antenna on the tower would increase the existing height of the tower by more than 10%, or by the height of one additional antenna array with separation from the nearest existing antenna not to exceed twenty feet, whichever is greater, except that the mounting of the proposed antenna may exceed the size limits set forth in this paragraph if necessary to avoid interference with existing antennas; or</li><li>2. The mounting of the proposed antenna would involve the installation of more than the standard number of new equipment cabinets for the technology</li></ol>

- involved, not to exceed four, or more than one new equipment shelter; or
3. The mounting of the proposed antenna would involve adding an appurtenance to the body of the tower that would protrude from the edge of the tower more than twenty feet, or more than the width of the tower structure at the level of the appurtenance, whichever is greater, except that the mounting of the proposed antenna may exceed the size limits set forth in this paragraph if necessary to shelter the antenna from inclement weather or to connect the antenna to the tower via cable; or
  4. The mounting of the proposed antenna would involve excavation outside the current tower site, defined as the current boundaries of the leased or owned property surrounding the tower and any access or utility easements currently related to the site. *Source: 47 CFR, Appendix B to Part 1*

TCNS	Tower Construction Notification System
THPO	Tribal Historic Preservation Officer
Tower	Any structure built for the sole or primary purpose of supporting FCC-licensed antennas and their associated facilities. Include the on-site fencing, equipment, switches, wiring, cabling, power sources, shelters, or cabinets associated with that tower but not installed as part of an antenna. <i>Source: 47 CFR, Appendix B to Part 1 and 47 CFR Appendix C to Part 1</i>





April 11, 2022

U.S. Fish and Wildlife Service  
Minnesota-Wisconsin Ecological Services Field Office  
4101 American Boulevard East  
Bloomington, Minnesota 55425

**SUBJECT:        INFORMAL BIOLOGICAL ASSESSMENT**

**SITE:            CUMBERLAND AVE (SITE NUMBER: WI22069-6422)  
CUMBERLAND AVENUE  
BERLIN, WAUSHARA COUNTY, WISCONSIN 54923  
RAMAKER & ASSOCIATES, INC. PROJECT NUMBER: 54786**

To Whom It May Concern:

Following the Cloud 1 Services, LLC (Cloud 1) guidelines for NEPA Compliance, an Informal Biological Assessment (IBA) was completed by Ramaker & Associates, Inc. (Ramaker) on behalf of Cloud 1. This IBA included research into U.S. Fish & Wildlife Service (USFWS) published information regarding listed species and the associated habitat. This IBA has also included consultation with the Wisconsin Department of Natural Resources (DNR) to ensure that Wisconsin-listed species and/or habitats were considered as part of this undertaking.

#### **OVERVIEW**

The results of this IBA, detailed below, concluded that the northern long-eared bat (NLEB) was found to exist in the project's action area based on the project area habitat and consultation with the Wisconsin DNR. As such this project is not exempt from Section 7 consultation with the USFWS. While receiving concurrence from the USFWS is not required, Ramaker and Cloud 1 are obligated to submit our findings to the USFWS for their review and consideration. The purpose of this project review and summary to the USFWS is to complete this review. A summary of our findings follows.

#### **SITE SUMMARY**

The proposed activity is located along Cumberland Avenue in Berlin, Waushara County, Wisconsin. The property is further identified as being located in the Southeast ¼ of Section 14, Township 18 North, Range 13 East. The location of the property is depicted on the attached Auroraville, Wisconsin Quadrangle. The project is also identified as being located at 44° 1' 38.65" North and 88° 54' 53.57" West.

The property is an approximately 100-foot by 100-foot area and is currently vacant land. The proposed development includes construction of a guyed tower and the installation of telecommunications equipment within a fenced compound. The compound was designed to be suitable for additional equipment cabinets. Utilities will be routed underground from the Cumberland Avenue right-of-way to the property within the proposed shared access and utility easement. Access to the property will be from Cumberland Avenue along the existing and proposed gravel access drive within the easement. Additional site development details are included in the attached figures.

The property was historically utilized for agriculture dating back to 1960 and became vacant land by 1982. The surrounding area is currently characterized by wooded and agricultural lands with scattered farmsteads located along neighboring roadways.

### **NORTHERN LONG-EARED BAT REVIEW & IMPACT SUMMARY**

Federal agency actions that involve incidental take not prohibited under the final 4(d) rule may result in effects to individual northern long-eared bats (NLEB). Per Section 7 of the Act, if a federal agency's action may affect a listed species, consultation with the USFWS is required. This requirement does not change when a 4(d) rule is implemented. However, for this 4(d) rule, the USFWS proposed a framework to streamline Section 7 consultations when federal actions may affect the NLEB but will not cause prohibited take. Federal agencies have the option to rely upon the finding of the programmatic biological opinion for the final 4(d) rule to fulfill their project-specific Section 7 responsibilities by using the framework. This framework will help federal agencies determine if their actions may cause prohibited incidental take of NLEB as defined in the 4(d) rule under the Endangered Species Act and if separate Section 7 consultation may be necessary.

The framework for streamlining NLEB Section 7 consultation is outlined in the attached verification letter Ramaker completed on the USFWS Information for Planning and Consultation (IPaC) system. Upon completion of the NLEB determination key, the effect determination for the proposed undertaking was submitted to the USFWS. **Unless USFWS advises the applicant within 30 days of the date of the verification letter that the IPaC-assisted determination was incorrect, the letter verifies that the Programmatic Biological Opinion satisfies and concludes your responsibilities for this Action under Act Section 7(a)(2) with respect to NLEB.**

### **MIGRATORY BIRD TREATY ACT REVIEW**

As quoted by the USFWS “the Migratory Bird Treaty Act (MBTA) prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Service. The Service has the responsibility under the MBTA to proactively prevent the mortality of migratory birds whenever possible and we encourage implementation of recommendations that minimize potential impacts to migratory birds. Such measures include clearing forested habitat outside the nesting season (generally March 1 to August 31) or conducting nest surveys prior to clearing to avoid injury to eggs or nestlings.

Communication Towers - Construction of new communications towers (including radio, television, cellular, and microwave) creates a potentially significant impact on migratory birds, especially some 350 species of night-migrating birds. However, the Service has developed voluntary guidelines for minimizing impacts.” Ramaker has included the USFWS voluntary guidelines for minimizing impacts to Migratory birds and eagles (*Recommended Best Practices for Communication Tower Design, Siting, Construction, Operation, Maintenance, and Decommissioning*).

### **CONSERVATION PRACTICES TO BE CONSIDERED AS PART OF SITE DEVELOPMENT**

Through consultation with the Wisconsin DNR and by review of the USFWS’s proposed threatened or endangered species or designated critical habitats list, Ramaker has the following recommendations:

**Monarch Butterfly (*Danaus plexippus*):** This species can be found in many different habitat types from forests to agricultural fields to urban centers, as long as wildflowers are available for feeding adults and native milkweeds are available as host plants.

While suitable habitat is likely present within or near the project area, this species is classified by the USFWS as a candidate species. Candidate species receive no statutory protection under the Endangered Species Act (ESA). However, the USFWS encourages cooperative conservation efforts for these species because they are a species that may warrant future protection under the ESA. As such, it is recommended that Cloud 1 implement the following Monarch Butterfly general conservation measures:

- Restoring disturbed habitat and creating habitat by applying native seed mixes containing a diversity of native wildflowers, including milkweed, as appropriate to bare soil areas.
- Landscaping facilities with native flowering plants that act as nectar for resources.
- Implementing enhancement projects that increase the habitat available such as special partnership habitat restoration projects on enrolled lands.

Following these recommendations, Ramaker made the determination that this project would not be expected, directly or indirectly, to reduce appreciably the survival and recovery of State or Federally Listed, Threatened, Endangered and Candidate Species and/or critical habitat.

**SPECIES OVERVIEW**

The USFWS specifically notes the following species/habitats in Waushara County, Wisconsin:

<b>Species</b>	<b>Status</b>	<b>Habitat</b>	<b>Likelihood of Effect</b>
Gray Wolf ( <i>Canis lupus</i> )	Endangered	Cover over two-thirds of the U.S. Wolves can thrive in a diversity of habitats from the tundra to woodlands, forests, grasslands and deserts.	<b>No Effect:</b> Appropriate habitat is not present at the project location or Action Area.
Northern long-eared bat ( <i>Myotis septentrionalis</i> )	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. Roosts and forages in upland forests and woods.	<b>May Affect –</b> Any take that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR 17.40(o). USFWS notification of activities is still required per the final 4(d) rule.
Whooping Crane ( <i>Grus americana</i> )	Experimental Population, Non-Essential	Open wetlands and lakeshores.	<b>No Effect:</b> Appropriate habitat is not present at the project location or Action Area.
Snuffbox Mussel ( <i>Epioblasma triquetra</i> )	Endangered	Small to medium-sized creeks and some larger rivers, in areas with a swift current.	<b>No Effect:</b> Appropriate habitat is not present at the project location or Action Area.
Karner Blue Butterfly ( <i>Lycaeides melissa samuelis</i> )	Endangered	Pine barrens and oak savannas on sandy soils and containing wild lupines ( <i>Lupinus perennis</i> ), the only known food plant of the larvae.	<b>No Effect:</b> Appropriate habitat is not present at the project location or Action Area. This site is located outside of the Karner Blue Butterfly High Potential Range.
Monarch Butterfly ( <i>Danaus plexippus</i> )	Candidate	Can be found in many different habitat types from forests to agricultural fields to urban centers, as long as wildflowers are available for feeding adults and native milkweeds are available as host plants.	Ramaker considered potential impacts to this candidate species, while appropriate habitat maybe near the project location, candidate species receive no statutory protection under the Endangered Species Act (ESA).  See above for further information regarding recommended conservation measures.

<p>Fassett's Locoweed (<i>Oxytropis campestris</i> var. <i>chartacea</i>)</p>	<p>Threatened</p>	<p>Found only in Bayfield, Portage and Waushara counties in Wisconsin. The plant grows on gentle slopes in sand-gravel shorelines around shallow lakes which are subject to water level fluctuations. The plant depends on the open habitat (above the water line) provided when lake levels are low and a large seed bank that germinates in this open habitat for long-term population maintenance.</p>	<p><b>No Effect:</b> Appropriate habitat is not present at the project location or Action Area.</p>
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**FINDINGS**

Following the USFWS guidance for Section 7 consultation and final 4(d) rule for NLEB, Ramaker concluded that no USFWS-listed species and/or critical habitat exposed will respond<sup>1</sup> (be adversely affected), upon exposure (construction/operations of the proposed Cloud 1 tower site). As part of this determination, Ramaker reviewed the pertinent species information and other relevant sources of information (e.g., conducted a literature search for the specific stressor or environmental change to which the species will be exposed).

As the “best available data” indicated that the species and critical habitat **will not** respond (as outlined in the above table) in any manner, Ramaker has concluded that the project “May Affect” the NLEB; however, the incidental take that may occur as a result of the proposed undertaking is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR 17.40(o). In addition, Ramaker has concluded the undertaking will result in “**No Effect**” to the non-4(d) rule species (as noted above). The purpose of this report is to document our findings in this summary.

Please note, the framework for streamlining NLEB Section 7 consultation is outlined in the attached verification letter Ramaker completed on the USFWS Information for Planning and Consultation (IPaC) system. Upon completion of the NLEB determination key, the effect determination for the proposed undertaking was submitted to the USFWS. **Unless USFWS advises the applicant within 30 days of the date of the verification letter that the IPaC-assisted determination was incorrect, the letter verifies that the Programmatic Biological Opinion satisfies and concludes your responsibilities for this Action under Act Section 7(a)(2) with respect to NLEB.**

Please note, additional consultation with the USFWS will be required if there are any changes to the project scope of work initially submitted to the USFWS. Cloud 1 must report the results of any NLEB surveys conducted in the project area, and any dead, injured, or sick NLEB that are found during the Action implementation. If the proposed undertaking is not completed within one year of the date of the NLEB verification letter, Cloud 1 must update and resubmit the information required in the IPaC key.

Following these recommendations, Ramaker made the determination that this project would not be expected, directly or indirectly, to reduce appreciably the survival and recovery of State or Federally Listed, Threatened, Endangered and Candidate Species and/or critical habitat.

Please note, this letter is also intended to provide clarification to Cloud 1 Services, LLC of their requirement to notify the USFWS of any project deviations, including the failure to construct the facility.

Ramaker recommends that Cloud 1 follow the 2021 USFWS *Recommended Best Practices for Communication Tower Design, Siting, Construction, Operation, Maintenance, and Decommissioning*, to avoid

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<sup>1</sup> Per the USFWS, “Response is the physical, behavioral, and physiological reactions of individuals upon exposure (e.g., startle, abandon the area, decrease feeding, reduce fecundity, alter mating behaviors, etc.). For critical habitat, it is the physical changes (e.g., increase sediment load, decrease soil pH, destroy habitat, etc.) that will occur.”

April 11, 2022  
Page 5

bird collisions when completing facility designs. The measures to consider can be found at:  
<https://www.fws.gov/migratorybirds/pdf/management/usfwscommtowerguidance.pdf>

Please direct all future correspondence to:

Ramaker & Associates, Inc.  
Elliott York, Environmental Specialist  
855 Community Drive  
Sauk City, Wisconsin 53583  
Telephone: (608) 643-4100  
Facsimile: (608) 643-7999  
Email: eyork@ramaker.com

If you have any questions or comments, please do not hesitate to contact our office.

Sincerely,

RAMAKER & ASSOCIATES, INC.



Elliott York, Environmental Specialist

**Attachments:** Site Location Maps  
Site Photographs  
Site Plans  
Federally Listed, Threatened, Endangered and Candidate Species  
USFWS NLEB Verification Letter  
USFWS Recommended Best Practices for Communication Tower Design  
Consultation with the Wisconsin Department of Natural Resources



**USGS 7.5-Minute Quadrangle**

Cumberland Ave (WI22069-6422)  
Cumberland Avenue  
Berlin, Wisconsin 54923  
Waushara County



Source: Google Earth



NOT TO SCALE





**Aerial Photograph**

Cumberland Ave (WI22069-6422)  
Cumberland Avenue  
Berlin, Wisconsin 54923  
Waushara County

Source: Google Earth



NOT TO SCALE



View from the Subject Property facing north.



View from the Subject Property facing east.



View from the Subject Property facing south.



View from the Subject Property facing west.



View of the existing and proposed access road facing east from Cumberland Avenue.



View east along Cumberland Avenue from the access route.












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

Revision # Desc

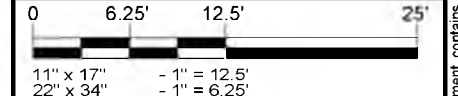
NO.	DATE	DESCRIPTION

ISSUE NO.	DATE	DESCRIPTION
1	03/18/2022	LEASE EXHIBIT

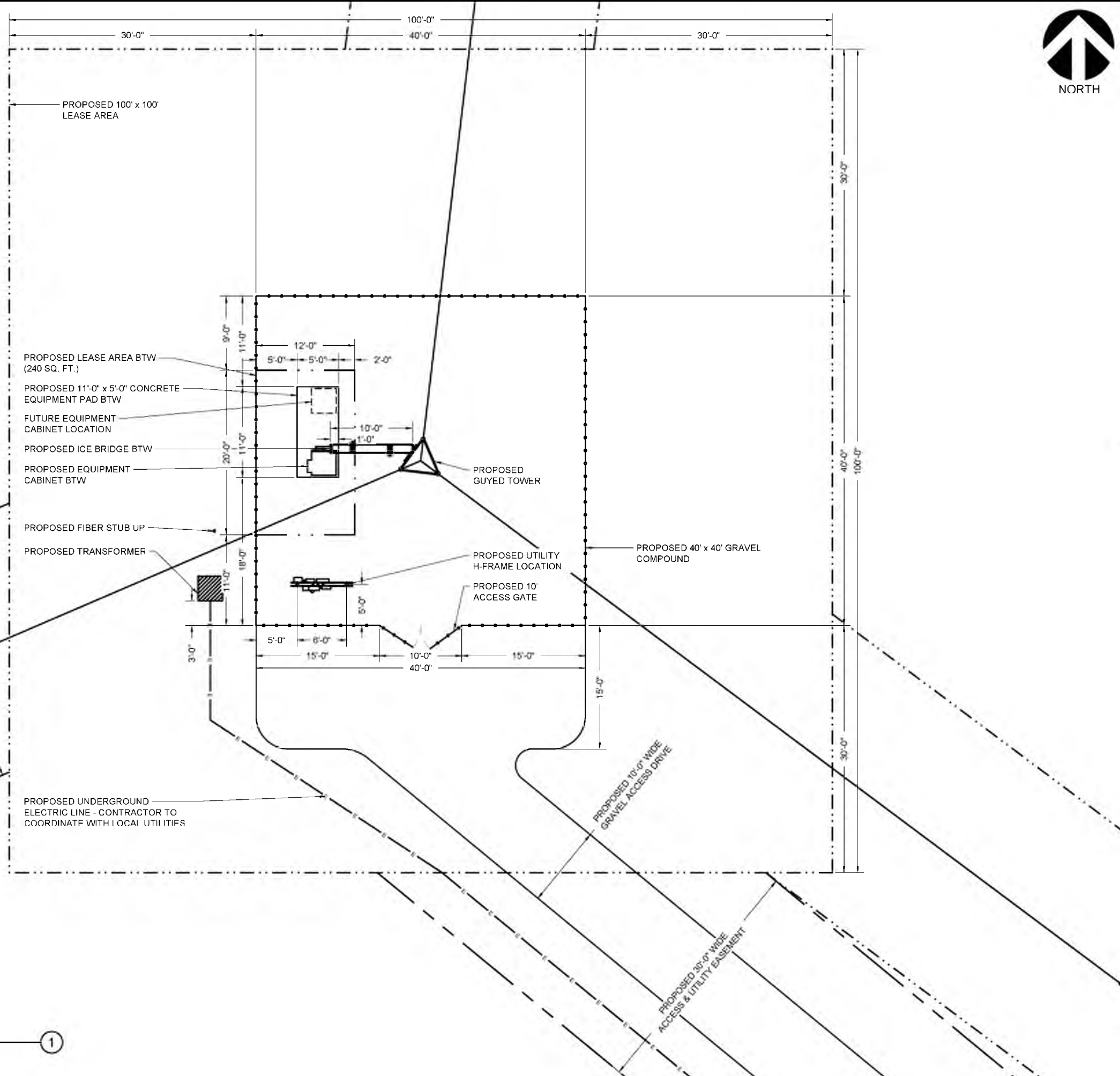
PROJECT TITLE:  
**CUMBERLAND AVE**

PROJECT INFORMATION:  
 CUMBERLAND AVENUE  
 BERLIN, WI 54923  
 WAUSHARA COUNTY  
 TAX ID# 002014430500 & 002014430800

SHEET TITLE:  
**SITE PLAN**



PROJECT NUMBER: **54786**  
 SHEET NUMBER: **C-3**



**SITE PLAN**  
 SCALE: 1" = 12.5'

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# United States Department of the Interior



## FISH AND WILDLIFE SERVICE

Minnesota-Wisconsin Ecological Services Field Office

4101 American Blvd E

Bloomington, MN 55425-1665

Phone: (952) 252-0092 Fax: (952) 646-2873

<http://www.fws.gov/midwest/Endangered/section7/s7process/step1.html>

In Reply Refer To:

April 26, 2022

Project Code: 2022-0030614

Project Name: 54786\_Cumberland Ave (WI22069-6422)

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

This response has been generated by the Information, Planning, and Conservation (IPaC) system to provide information on natural resources that could be affected by your project. The U.S. Fish and Wildlife Service (Service) provides this response under the authority of the Endangered Species Act of 1973 (16 U.S.C. 1531-1543), the Bald and Golden Eagle Protection Act (16 U.S.C. 668-668d), the Migratory Bird Treaty Act (16 U.S.C. 703-712), and the Fish and Wildlife Coordination Act (16 U.S.C. 661 *et seq.*).

### **Threatened and Endangered Species**

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and may be affected by your proposed project. The species list fulfills the requirement for obtaining a Technical Assistance Letter from the U.S. Fish and Wildlife Service under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the ECOS IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS IPaC system by completing the same process used to receive the enclosed list.

### **Consultation Technical Assistance**

Please refer to our [Section 7 website](#) for guidance and technical assistance, including [step-by-step instructions](#) for making effects determinations for each species that might be present and for specific guidance on the following types of projects: projects in developed areas, HUD, CDBG, EDA, pipelines, buried utilities, telecommunications, and requests for a Conditional Letter of Map Revision (CLOMR) from FEMA.

## Using the IPaC Official Species List to Make No Effect and May Affect Determinations for Listed Species

1. If IPaC returns a result of “There are no listed species found within the vicinity of the project,” then project proponents can conclude the proposed activities will have **no effect** on any federally listed species under Service jurisdiction. Concurrence from the Service is not required for **no effect** determinations. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records.
2. If IPaC returns one or more federally listed, proposed, or candidate species as potentially present in the action area of the proposed project – other than bats (see below) – then project proponents must determine if proposed activities will have **no effect** on or **may affect** those species. For assistance in determining if suitable habitat for listed, candidate, or proposed species occurs within your project area or if species may be affected by project activities, you can obtain [Life History Information for Listed and Candidate Species](#) on our office website. If no impacts will occur to a species on the IPaC species list (e.g., there is no habitat present in the project area), the appropriate determination is **no effect**. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records.
3. Should you determine that project activities **may affect** any federally listed, please contact our office for further coordination. Letters with requests for consultation or correspondence about your project should include the Consultation Tracking Number in the header. Electronic submission is preferred.

### Northern Long-Eared Bats

Northern long-eared bats occur throughout Minnesota and Wisconsin and the information below may help in determining if your project may affect these species.

This species hibernates in caves or mines only during the winter. In Minnesota and Wisconsin, the hibernation season is considered to be November 1 to March 31. During the active season (April 1 to October 31) they roost in forest and woodland habitats. Suitable summer habitat for northern long-eared bats consists of a wide variety of forested/wooded habitats where they roost, forage, and travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags  $\geq 3$  inches dbh for northern long-eared bat that have exfoliating bark, cracks, crevices, and/or hollows), as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet (305 meters) of forested/wooded habitat. Northern long-eared bats have also been observed roosting in human-made structures, such as buildings, barns, bridges, and bat houses; therefore, these structures should also be considered potential summer habitat and evaluated for use by bats. If your project will impact caves or mines or will involve clearing forest or woodland habitat containing suitable roosting habitat, northern long-eared bats could be affected.

Examples of unsuitable habitat include:

- Individual trees that are greater than 1,000 feet from forested or wooded areas,
  - Trees found in highly developed urban areas (e.g., street trees, downtown areas),
-

- A pure stand of less than 3-inch dbh trees that are not mixed with larger trees, and
- A stand of eastern red cedar shrubby vegetation with no potential roost trees.

If IPaC returns a result that northern long-eared bats are potentially present in the action area of the proposed project, project proponents can conclude the proposed activities **may affect** this species **IF** one or more of the following activities are proposed:

- Clearing or disturbing suitable roosting habitat, as defined above, at any time of year,
- Any activity in or near the entrance to a cave or mine,
- Mining, deep excavation, or underground work within 0.25 miles of a cave or mine,
- Construction of one or more wind turbines, or
- Demolition or reconstruction of human-made structures that are known to be used by bats based on observations of roosting bats, bats emerging at dusk, or guano deposits or stains.

*If none of the above activities are proposed*, project proponents can conclude the proposed activities will have **no effect** on the northern long-eared bat. Concurrence from the Service is not required for **No Effect** determinations. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records.

*If any of the above activities are proposed*, please use the northern long-eared bat determination key in IPaC. This tool streamlines consultation under the 2016 rangewide programmatic biological opinion for the 4(d) rule. The key helps to determine if prohibited take might occur and, if not, will generate an automated verification letter. No further review by us is necessary.

*Please note that on March 23, 2022, the Service published a proposal to reclassify the northern long-eared bat as endangered under the Endangered Species Act. The U.S. District Court for the District of Columbia has ordered the Service to complete a new final listing determination for the bat by November 2022 (Case 1:15-cv-00477, March 1, 2021). The bat, currently listed as threatened, faces extinction due to the range-wide impacts of white-nose syndrome (WNS), a deadly fungal disease affecting cave-dwelling bats across the continent. The proposed reclassification, if finalized, would remove the current 4(d) rule for the NLEB, as these rules may be applied only to threatened species. Depending on the type of effects a project has on NLEB, the change in the species' status may trigger the need to re-initiate consultation for any actions that are not completed and for which the Federal action agency retains discretion once the new listing determination becomes effective (anticipated to occur by December 30, 2022). If your project may result in incidental take of northern long-eared bats after the new listing goes into effect this will first need to be addressed in an updated consultation that includes an Incidental Take Statement. If your project may require re-initiation of consultation, please contact our office for additional guidance.*

### **Whooping Crane**

Whooping crane is designated as a non-essential experimental population in Wisconsin and consultation under Section 7(a)(2) of the Endangered Species Act is only required if project activities will occur within a National Wildlife Refuge or National Park. If project activities are proposed on lands outside of a National Wildlife Refuge or National Park, then you are not required to consult. For additional information on this designation and consultation requirements, please review "[Establishment of a Nonessential Experimental Population of](#)

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[Whooping Cranes in the Eastern United States.”](#)

### **Other Trust Resources and Activities**

*Bald and Golden Eagles* - Although the bald eagle has been removed from the endangered species list, this species and the golden eagle are protected by the Bald and Golden Eagle Act and the Migratory Bird Treaty Act. Should bald or golden eagles occur within or near the project area please contact our office for further coordination. For communication and wind energy projects, please refer to additional guidelines below.

*Migratory Birds* - The Migratory Bird Treaty Act (MBTA) prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Service. The Service has the responsibility under the MBTA to proactively prevent the mortality of migratory birds whenever possible and we encourage implementation of [recommendations that minimize potential impacts to migratory birds](#). Such measures include clearing forested habitat outside the nesting season (generally March 1 to August 31) or conducting nest surveys prior to clearing to avoid injury to eggs or nestlings.

*Communication Towers* - Construction of new communications towers (including radio, television, cellular, and microwave) creates a potentially significant impact on migratory birds, especially some 350 species of night-migrating birds. However, the Service has developed [voluntary guidelines for minimizing impacts](#).

*Transmission Lines* - Migratory birds, especially large species with long wingspans, heavy bodies, and poor maneuverability can also collide with power lines. In addition, mortality can occur when birds, particularly hawks, eagles, kites, falcons, and owls, attempt to perch on uninsulated or unguarded power poles. To minimize these risks, please refer to [guidelines](#) developed by the Avian Power Line Interaction Committee and the Service. Implementation of these measures is especially important along sections of lines adjacent to wetlands or other areas that support large numbers of raptors and migratory birds.

*Wind Energy* - To minimize impacts to migratory birds and bats, wind energy projects should follow the Service's [Wind Energy Guidelines](#). In addition, please refer to the Service's [Eagle Conservation Plan Guidance](#), which provides guidance for conserving bald and golden eagles in the course of siting, constructing, and operating wind energy facilities.

### **State Department of Natural Resources Coordination**

While it is not required for your Federal section 7 consultation, please note that additional state endangered or threatened species may also have the potential to be impacted. Please contact the Minnesota or Wisconsin Department of Natural Resources for information on state listed species that may be present in your proposed project area.

#### *Minnesota*

[Minnesota Department of Natural Resources - Endangered Resources Review Homepage](#)

Email: [Review.NHIS@state.mn.us](mailto:Review.NHIS@state.mn.us)

#### *Wisconsin*

[Wisconsin Department of Natural Resources - Endangered Resources Review Homepage](#)

Email: [DNRRERReview@wi.gov](mailto:DNRRERReview@wi.gov)

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We appreciate your concern for threatened and endangered species. Please feel free to contact our office with questions or for additional information.

Attachment(s):

- Official Species List
  - USFWS National Wildlife Refuges and Fish Hatcheries
  - Migratory Birds
  - Wetlands
-

## **Official Species List**

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**Minnesota-Wisconsin Ecological Services Field Office**

4101 American Blvd E

Bloomington, MN 55425-1665

(952) 252-0092

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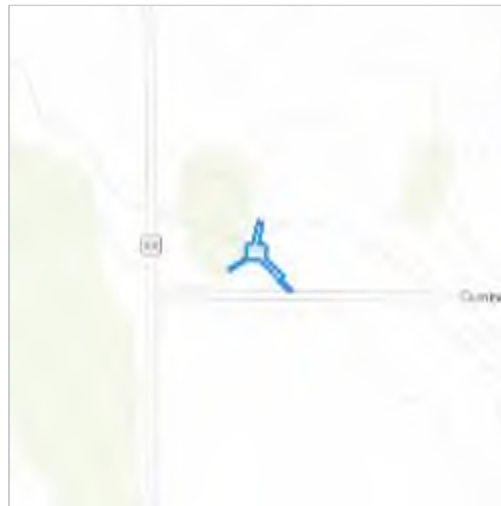
## Project Summary

Project Code: 2022-0030614  
Event Code: None  
Project Name: 54786\_Cumberland Ave (WI22069-6422)  
Project Type: Communication Tower New Construction  
Project Description: The proposed activity is located along Cumberland Avenue in Berlin, Waushara County, Wisconsin. The property is further identified as being located in the Southeast ¼ of Section 14, Township 18 North, Range 13 East. The location of the property is depicted on the attached Auroraville, Wisconsin Quadrangle.

The property is an approximately 100-foot by 100-foot area and is currently vacant land. The proposed development includes construction of a guyed tower and the installation of telecommunications equipment within a fenced compound. The compound was designed to be suitable for additional equipment cabinets. Utilities will be routed underground from the Cumberland Avenue right-of-way to the property within the proposed shared access and utility easement. Access to the property will be from Cumberland Avenue along the existing and proposed gravel access drive within the easement.

### Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@44.02745225,-88.91490980119042,14z>



Counties: Waushara County, Wisconsin

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## Endangered Species Act Species

There is a total of 7 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

### Mammals

NAME	STATUS
Gray Wolf <i>Canis lupus</i> Population: U.S.A.: All of AL, AR, CA, CO, CT, DE, FL, GA, IA, IN, IL, KS, KY, LA, MA, MD, ME, MI, MO, MS, NC, ND, NE, NH, NJ, NV, NY, OH, OK, PA, RI, SC, SD, TN, TX, VA, VT, WI, and WV; and portions of AZ, NM, OR, UT, and WA. Mexico. There is <b>final</b> critical habitat for this species. The location of the critical habitat is not available. Species profile: <a href="https://ecos.fws.gov/ecp/species/4488">https://ecos.fws.gov/ecp/species/4488</a>	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a>	Threatened

### Birds

NAME	STATUS
Whooping Crane <i>Grus americana</i> Population: U.S.A. (AL, AR, CO, FL, GA, ID, IL, IN, IA, KY, LA, MI, MN, MS, MO, NC, NM, OH, SC, TN, UT, VA, WI, WV, western half of WY) No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/758">https://ecos.fws.gov/ecp/species/758</a>	Experimental Population, Non-Essential



## Clams

NAME	STATUS
Snuffbox Mussel <i>Epioblasma triquetra</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/4135">https://ecos.fws.gov/ecp/species/4135</a>	Endangered

## Insects

NAME	STATUS
Karner Blue Butterfly <i>Lycaeides melissa samuelis</i> There is <b>proposed</b> critical habitat for this species. The location of the critical habitat is not available. Species profile: <a href="https://ecos.fws.gov/ecp/species/6656">https://ecos.fws.gov/ecp/species/6656</a>	Endangered
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Candidate

## Flowering Plants

NAME	STATUS
Fassett's Locoweed <i>Oxytropis campestris var. chartacea</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/209">https://ecos.fws.gov/ecp/species/209</a>	Threatened

## Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

# USFWS National Wildlife Refuge Lands And Fish Hatcheries

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

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# Migratory Birds

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

- 
1. The [Migratory Birds Treaty Act](#) of 1918.
  2. The [Bald and Golden Eagle Protection Act](#) of 1940.
  3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.	Breeds Dec 1 to Aug 31
Black Tern <i>Chlidonias niger</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/3093">https://ecos.fws.gov/ecp/species/3093</a>	Breeds May 15 to Aug 20

## Probability Of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

### Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is  $0.25/0.25 = 1$ ; at week 20 it is  $0.05/0.25 = 0.2$ .
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

### Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

### Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

### No Data (-)

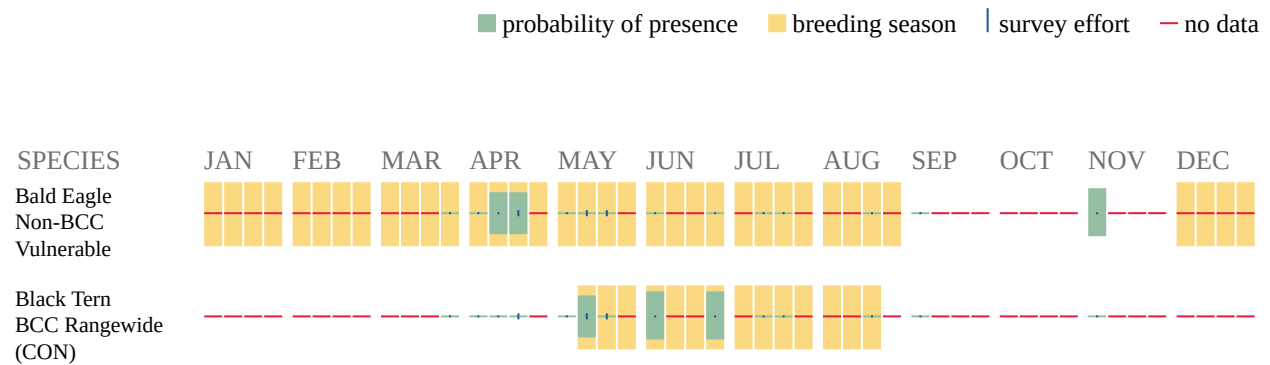
A week is marked as having no data if there were no survey events for that week.

### Survey Timeframe

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Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



Additional information can be found using the following links:

- Birds of Conservation Concern <https://www.fws.gov/program/migratory-birds/species>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

## Migratory Birds FAQ

**Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.**

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

**What does IPaC use to generate the migratory birds potentially occurring in my specified location?**

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#)

requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

### **What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?**

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

### **How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?**

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

### **What are the levels of concern for migratory birds?**

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

### **Details about birds that are potentially affected by offshore projects**

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For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

### **What if I have eagles on my list?**

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

### **Proper Interpretation and Use of Your Migratory Bird Report**

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

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## Wetlands

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.

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## **IPaC User Contact Information**

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Name: JESSICA McDonald  
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State: WI  
Zip: 53583  
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Phone: 6083417892

## **Lead Agency Contact Information**

Lead Agency: Federal Communications Commission

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## United States Department of the Interior



### FISH AND WILDLIFE SERVICE

Minnesota-Wisconsin Ecological Services Field Office

4101 American Blvd E

Bloomington, MN 55425-1665

Phone: (952) 252-0092 Fax: (952) 646-2873

<http://www.fws.gov/midwest/Endangered/section7/s7process/step1.html>

In Reply Refer To:

April 11, 2022

Project code: 2022-0030614

Project Name: 54786\_Cumberland Ave (WI22069-6422)

Subject: Verification letter for the '54786\_Cumberland Ave (WI22069-6422)' project under the January 5, 2016, Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-eared Bat and Activities Excepted from Take Prohibitions.

Dear JESSICA McDonald:

The U.S. Fish and Wildlife Service (Service) received on April 11, 2022 your effects determination for the '54786\_Cumberland Ave (WI22069-6422)' (the Action) using the northern long-eared bat (*Myotis septentrionalis*) key within the Information for Planning and Consultation (IPaC) system. This IPaC key assists users in determining whether a Federal action is consistent with the activities analyzed in the Service's January 5, 2016, Programmatic Biological Opinion (PBO). The PBO addresses activities excepted from "take"<sup>[1]</sup> prohibitions applicable to the northern long-eared bat under the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.).

Based upon your IPaC submission, the Action is consistent with activities analyzed in the PBO. The Action may affect the northern long-eared bat; however, any take that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o). Unless the Service advises you within 30 days of the date of this letter that your IPaC-assisted determination was incorrect, this letter verifies that the PBO satisfies and concludes your responsibilities for this Action under ESA Section 7(a)(2) with respect to the northern long-eared bat.

Please report to our office any changes to the information about the Action that you submitted in IPaC, the results of any bat surveys conducted in the Action area, and any dead, injured, or sick northern long-eared bats that are found during Action implementation. If the Action is not completed within one year of the date of this letter, you must update and resubmit the information required in the IPaC key.

This IPaC-assisted determination allows you to rely on the PBO for compliance with ESA Section 7(a)(2) only for the northern long-eared bat. It **does not** apply to the following ESA-protected species that also may occur in the Action area:

- Fassett's Locoweed *Oxytropis campestris var. chartacea* Threatened
- Gray Wolf *Canis lupus* Endangered
- Karner Blue Butterfly *Lycaeides melissa samuelis* Endangered
- Monarch Butterfly *Danaus plexippus* Candidate
- Snuffbox Mussel *Epioblasma triquetra* Endangered
- Whooping Crane *Grus americana* Experimental Population, Non-Essential

If the Action may affect other federally listed species besides the northern long-eared bat, a proposed species, and/or designated critical habitat, additional consultation between you and this Service office is required. If the Action may disturb bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act is recommended.

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[1]Take means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct [ESA Section 3(19)].

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**Action Description**

You provided to IPaC the following name and description for the subject Action.

**1. Name**

54786\_Cumberland Ave (WI22069-6422)

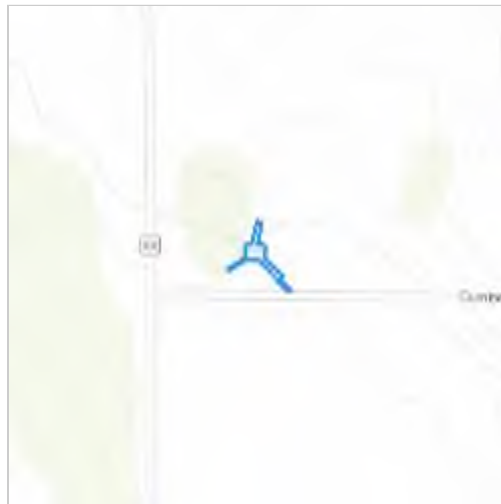
**2. Description**

The following description was provided for the project '54786\_Cumberland Ave (WI22069-6422)':

The proposed activity is located along Cumberland Avenue in Berlin, Waushara County, Wisconsin. The property is further identified as being located in the Southeast ¼ of Section 14, Township 18 North, Range 13 East. The location of the property is depicted on the attached Auroraville, Wisconsin Quadrangle.

The property is an approximately 100-foot by 100-foot area and is currently vacant land. The proposed development includes construction of a guyed tower and the installation of telecommunications equipment within a fenced compound. The compound was designed to be suitable for additional equipment cabinets. Utilities will be routed underground from the Cumberland Avenue right-of-way to the property within the proposed shared access and utility easement. Access to the property will be from Cumberland Avenue along the existing and proposed gravel access drive within the easement.

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@44.02745225,-88.91490980119042,14z>

**Determination Key Result**

This Federal Action may affect the northern long-eared bat in a manner consistent with the description of activities addressed by the Service's PBO dated January 5, 2016. Any taking that may occur incidental to this Action is not prohibited under the final 4(d) rule at 50 CFR

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§17.40(o). Therefore, the PBO satisfies your responsibilities for this Action under ESA Section 7(a)(2) relative to the northern long-eared bat.

**Determination Key Description: Northern Long-eared Bat 4(d) Rule**

This key was last updated in IPaC on May 15, 2017. Keys are subject to periodic revision.

This key is intended for actions that may affect the threatened northern long-eared bat.

The purpose of the key for Federal actions is to assist determinations as to whether proposed actions are consistent with those analyzed in the Service's PBO dated January 5, 2016.

Federal actions that may cause prohibited take of northern long-eared bats, affect ESA-listed species other than the northern long-eared bat, or affect any designated critical habitat, require ESA Section 7(a)(2) consultation in addition to the use of this key. Federal actions that may affect species proposed for listing or critical habitat proposed for designation may require a conference under ESA Section 7(a)(4).

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## Determination Key Result

This project may affect the threatened Northern long-eared bat; therefore, consultation with the Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.) is required. However, based on the information you provided, this project may rely on the Service's January 5, 2016, *Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-Eared Bat and Activities Excepted from Take Prohibitions* to fulfill its Section 7(a)(2) consultation obligation.

## Qualification Interview

1. Is the action authorized, funded, or being carried out by a Federal agency?  
Yes
2. Have you determined that the proposed action will have "no effect" on the northern long-eared bat? (If you are unsure select "No")  
No
3. Will your activity purposefully **Take** northern long-eared bats?  
No
4. [Semantic] Is the project action area located wholly outside the White-nose Syndrome Zone?  
**Automatically answered**  
No
5. Have you contacted the appropriate agency to determine if your project is near a known hibernaculum or maternity roost tree?

Location information for northern long-eared bat hibernacula is generally kept in state Natural Heritage Inventory databases – the availability of this data varies state-by-state. Many states provide online access to their data, either directly by providing maps or by providing the opportunity to make a data request. In some cases, to protect those resources, access to the information may be limited. A web page with links to state Natural Heritage Inventory databases and other sources of information on the locations of northern long-eared bat roost trees and hibernacula is available at [www.fws.gov/midwest/endangered/mammals/nleb/nhisites.html](http://www.fws.gov/midwest/endangered/mammals/nleb/nhisites.html).

Yes

6. Will the action affect a cave or mine where northern long-eared bats are known to hibernate (i.e., hibernaculum) or could it alter the entrance or the environment (physical or other alteration) of a hibernaculum?  
No
  7. Will the action involve Tree Removal?  
Yes
-

8. Will the action only remove hazardous trees for the protection of human life or property?

*No*

9. Will the action remove trees within 0.25 miles of a known northern long-eared bat hibernaculum at any time of year?

*No*

10. Will the action remove a known occupied northern long-eared bat maternity roost tree or any trees within 150 feet of a known occupied maternity roost tree from June 1 through July 31?

*No*

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## Project Questionnaire

**If the project includes forest conversion, report the appropriate acreages below. Otherwise, type '0' in questions 1-3.**

1. Estimated total acres of forest conversion:

0

2. If known, estimated acres of forest conversion from April 1 to October 31

0

3. If known, estimated acres of forest conversion from June 1 to July 31

0

**If the project includes timber harvest, report the appropriate acreages below. Otherwise, type '0' in questions 4-6.**

4. Estimated total acres of timber harvest

0.01

5. If known, estimated acres of timber harvest from April 1 to October 31

0.01

6. If known, estimated acres of timber harvest from June 1 to July 31

0.01

**If the project includes prescribed fire, report the appropriate acreages below. Otherwise, type '0' in questions 7-9.**

7. Estimated total acres of prescribed fire

0

8. If known, estimated acres of prescribed fire from April 1 to October 31

0

9. If known, estimated acres of prescribed fire from June 1 to July 31

0

**If the project includes new wind turbines, report the megawatts of wind capacity below. Otherwise, type '0' in question 10.**

10. What is the estimated wind capacity (in megawatts) of the new turbine(s)?

0

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## **IPaC User Contact Information**

Agency: Ramaker & Associates  
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Email: nepa@ramaker.com  
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## **Lead Agency Contact Information**

Lead Agency: Federal Communications Commission

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## **Recommended Best Practices for Communication Tower Design, Siting, Construction, Operation, Maintenance, and Decommissioning**

Migratory Bird Program  
U. S. Fish and Wildlife Service  
Falls Church, Virginia  
March 2021

NOTE: These recommendations replace all previous recommendations for communication tower construction and operation. These recommendations have been modified and updated from previous versions to incorporate the state of the science and the 2020 Federal Aviation Administration [Obstruction Marking and Lighting Advisory Circular AC 70/7460-1M](#).

Communication towers are some of the tallest structures across the landscape and birds are regularly found dead around these towers (Longcore et al. 2012a). It is not definitively understood why this mortality occurs, but evidence suggests that night-migrating songbirds are either attracted to or disoriented by tower obstruction warning lighting systems, especially during overcast (i.e., low cloud ceiling), foggy, or other low visibility conditions (Cochran and Graber 1958, Avery et al. 1976, Ball et al. 1995, Erickson et al. 2005, Evans et al. 2007, Manville 2014, Gehring et al. 2009 and 2011, Longcore et al. 2012a). Birds aggregate in larger numbers at towers with non-flashing lights compared to those with flashing lights, although birds aggregate at flashing lights during the “on” phase, they disperse during the “off” phase (Larkin and Frase 1988; Gauthreaux and Belser 1999, 2006; Evans et al. 2007; Poot et al. 2008). Additionally, birds moving across the landscape at night (e.g., owls and seabirds) can collide with communication tower wires when they are placed in high movement areas.

Given the height, structural engineering needs (i.e., guy wires), and obstruction lighting requirements, communication towers may cause direct and indirect bird mortality through:

1. Collisions - Birds that are attracted to tower lights and aggregate in the lighting zone, circle the tower and collide with the tower, guy wires, other birds, or fall to the ground from exhaustion (Longcore et al. 2012b, Gauthreaux and Belser 2006, Erickson et al. 2005).
2. Construction, operation, and maintenance activities - Adults, eggs, or nestlings can experience direct mortality through:
  - a. Trauma or death during vegetation removal;
  - b. Trauma or death during tower maintenance; and
  - c. Death of eggs or nestlings when actions or activities cause adults to abandon nests.
3. Significant loss of fat reserves in adults due to the energy expenditure of circling towers, leading to reduced survival during long migrations (Norris and Taylor 2006, Gehring and Walker 2012).

The following avoidance and minimization measures, when used comprehensively, reduce the risk of bird mortality at communication towers:

### SITING AND CONSTRUCTION OF NEW TOWERS

1. Contact with USFWS Field Office. Communicate project plans to nearest USFWS Field Office. <http://www.fws.gov/offices/index.html>
2. Co-location. Co-locate communications equipment on existing communication towers or other structures (e.g., billboard, water and transmission tower, distribution pole, or building mounts). This recommendation is intended to reduce the number of towers across the landscape.

3. Placement. All new towers should be sited to minimize environmental impacts to the maximum extent practicable.
  - a. Place new towers within existing "antenna farms" (i.e., clusters of towers) when possible;
  - b. Select already degraded areas for tower placement;
  - c. Towers should not be sited in or near wetlands, other known bird concentration areas (e.g., state or federal refuges, staging areas, rookeries, and Important Bird Areas), or in known migratory bird movement routes, daily movement flyways, areas of breeding concentration, in habitat of threatened or endangered species, key habitats for [Birds of Conservation Concern](#), or near the breeding areas ("leks") of prairie grouse;
  - d. Towers should avoid ridgelines, coastal areas, wetlands or other known bird concentration areas; and
  - e. Towers and associated facilities should be designed, sited, and constructed so as to avoid or minimize habitat loss within and adjacent to the tower "footprint". In addition, several shorter, un-guyed towers may be preferable to one, tall guyed, lit tower.
4. Construction. During construction, the following considerations can reduce the risk of take of birds:
  - a. Schedule all vegetation removal and maintenance (e.g., general landscaping activities, trimming, grubbing) activities outside of the peak bird breeding season to reduce the risk of bird take. Breeding seasons can be determined using online tools (e.g., [Avian Knowledge Network \[AKN\]](#), [Information for Planning and Conservation system \[IPaC\]](#), [Birds of North America Online](#)) or by contacting qualified experts (e.g., local Audubon or birding groups);
  - b. When vegetation removal activities cannot avoid the bird breeding season, conduct nest clearance surveys:
    - i. Surveys should be conducted no more than five days prior to the scheduled activity to ensure recently constructed nests are identified;
    - ii. Timing and dimensions of the area to be surveyed vary and will depend on the nature of the project, location, and expected level of vegetation disturbance; and
    - iii. If active nests are identified within or in the vicinity of the project site, avoid the site until nestlings have fledged or the nest fails. If the activity must occur, establish a buffer zone around the nest and no activities will occur within that zone until nestlings have fledged. The dimension of the buffer zone will depend on the proposed activity, habitat type, and species present. The buffer should be a distance that does not elicit a flight response by the adult birds and can be 0.5 – 1 mile for hawks and eagles.
  - c. Prevent the introduction of invasive plants during construction to minimize vegetation community degradation by:
    - i. Use only native and local (when possible) seed stock for all temporary and permanent vegetation establishment; and
    - ii. Use vehicle wash stations prior to entering sensitive habitat areas to prevent accidental introduction of non-native plants.
5. Tower Design. Tower design should consider the following attributes:
  - a. Tower Height. It is recommended that new towers should be not more than 199 ft. above ground level (AGL). This height increases the mean free airspace between the top of the tower and average bird flight height, even in weather conditions with reduced cloud ceiling;
  - b. Guy Wires. We recommend using free standing towers such as lattice towers or monopole structures. If guy wires are required for tower design:
    - i. The minimum number of guy wires necessary should be used; and
    - ii. Guy wired towers that are proposed to be located in known raptor or waterbird concentrations areas, daily movement routes, major daytime migratory bird movement routes, staging areas, or stopover sites should have daytime visual markers or bird flight diverters installed on the guy wires to attempt to prevent daytime collisions.

- c. Lighting System. Lights are a primary source of bird aggregation around towers, thus minimizing all light is recommended:
  - i. No tower lighting is the preferred option if Federal Aviation Administration (FAA) regulations and lighting standards (FAA 2015, 2020, Patterson 2012) permit.
  - ii. For some towers, the FAA can permit an Aircraft Detection Lighting System (ADLS), which maintains a communication tower of any height to be unlit until the ADLS radars detect nearby aircraft, at which time the tower lighting system is triggered to illuminate until the aircraft is out of radar range.
  - iii. If taller (> 199 ft. AGL) towers requiring lights for aviation safety must be constructed, the minimum amount of pilot warning and obstruction avoidance lighting required by the FAA should be used. Unless otherwise required by the FAA, only white or red flashing lights should be used at night, and these should follow FAA obstruction and marking standards with regards to the minimum number of lights, minimum intensity (< 2,000 candela), and minimum number of flashes per minute (i.e., longest duration between flashes and "dark phase"). Avoid using non-flashing warning lights at night (FAA 2015, 2020, Patterson 2012). Owners of existing towers lit with lighting systems that include non-flashing lights should submit plans to the FAA explaining how and when they will transition to the new standards.
  - iv. Security lighting for on-ground facilities, equipment, and infrastructure should be motion- or heat-sensitive, down-shielded, and of a minimum intensity to reduce nighttime bird attraction and eliminate constant nighttime illumination while still allowing safe nighttime access to the site.

#### OPERATION AND MAINTENANCE OF ALL TOWERS

1. Existing Tower Lighting. We recommend that towers be unlit, when allowed by FAA regulations. Light impacts can be minimized by:
  - a. Extinguishing L-810 non-flashing red lights (USFWS 2007, 2011) on towers >350 ft. AGL or reconfiguring L-810 non-flashing red lights to flash at 30 FPM (+/- 3 FPM) in synchrony with other flashing obstruction lights on towers 150-350 ft. AGL (FAA 2015, 2020);
  - b. Extinguishing L-810 red lights and reprogramming LED L-810 lights; this can be done from the tower transmission building or remotely and does not require climbing the tower (FCC 2020). A "lighting deviation" can be used to extinguish or eliminate L-810 steady-burning side lights from an existing registered tower taller than 350 ft. AGL and to reprogram L-810 steady-burning side lights to flash on registered towers 150-350 ft. AGL.

The following steps are necessary:

1. [File a Marking and Lighting study](#) electronically with the FAA requesting the elimination or omission non-flashing/steady-burning lights (L-810) or requesting that steady-burning lights flash with [Form 7460-1](#), Notice of Proposed Construction or Alteration. Designate structure type: "Deviation from Red Obstruction Light Standards."
2. Once the FAA has approved the request and assigned a FAA Study Number, file [Form 854](#) with the FCC via the Antenna Registration System (ASR). Please select "MD – Modification" and choose the appropriate FAA Lighting Style. The FCC typically will approve the application and modify the registration within 24 hours.
3. Once the lighting change for a tower has been granted by the FCC via ASR, the L-810 steady-burning side lights can be extinguished on towers taller than 350 ft. AGL and reprogrammed to flash in concert with L-864 lights on towers 150-350 ft. AGL. Extinguishing L-810 lights and reprogramming lights are typically accomplished in the tower transmission building and do not ordinarily require climbing the tower. Per the FAA requirements, flashing red lights should flash at 30 FPM (+/- 3 FPM).



2. Infrastructure Lighting. We recommend that existing infrastructure be unlit. If associated buildings require security or operational lighting, minimize light trespass using motion sensors and down-shielding with minimum intensity light (USFWS 2011; Poot et al. 2008; Manville 2013; FCC 2014).
3. Vegetation Management. When management of facility infrastructure is required:
  - a. Schedule all vegetation removal and maintenance (e.g., general landscaping activities, trimming, grubbing, etc.) activities outside of the peak bird breeding season to reduce the risk of bird take. Breeding seasons can be determined using online tools (e.g., [Avian Knowledge Network \[AKN\]](#), [Information for Planning and Conservation system \[IPaC\]](#), [Birds of North America Online](#)) or by contacting qualified experts (e.g., local Audubon or birding groups);
  - b. When vegetation removal activities cannot avoid the bird breeding season, conduct nest clearance surveys:
    - i. Surveys should be conducted no more than five days prior to the scheduled activity to ensure recently constructed nests are identified;
    - ii. Timing and dimensions of the area to be surveyed should depend on the nature of the project, location, and expected level of vegetation disturbance; and
    - iii. If active nests are identified within or in the vicinity of the project site, the site should be avoided until nestlings have fledged or the nest fails. If the activity must occur, a buffer zone should be established around the nest and no activities should occur within that zone until nestlings have fledged. The dimension of the buffer zone depends on the proposed activity, habitat type, and species present. The buffer should be a distance that does not elicit a flight response by the adult birds and can be 0.5 – 1 mile for hawks and eagles.
4. Birds Nesting on Towers: If birds are nesting on communication towers that require maintenance activities, contact the state natural resource protection agency and/or the USFWS for permits, recommendations, and requirements. Schedule construction and maintenance activities around the nesting and activity schedule of protected birds. Minimize excess wires and securely attach wires to the tower structure to reduce the likelihood of birds becoming entangled on the tower. Consider installing a bird nest exclusion device on the towers where birds frequently nest.
5. Tower Access: Representatives from the USFWS or researchers should be allowed access to the site to evaluate bird use, conduct dead-bird searches, and conduct other research, as necessary.

#### DECOMMISSIONING

Tower Removal. Towers no longer in use, not re-licensed by the FCC for use, or determined to be obsolete should be removed from the site within 12 months of cessation of use, preferably sooner.

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## Endangered Resources Preliminary Assessment

Created on **4/11/2022**. This report is good for one year after the created date.

DNR staff will be reviewing the ER Preliminary Assessments to verify the results provided by the Public Portal. ER Preliminary Assessments are only valid if the project habitat and waterway-related questions are answered accurately based on current site conditions. If an assessment is deemed invalid, a full ER review may be required even if the assessment indicated otherwise.

### Results

A search was conducted of the NHI Portal within a 1-mile buffer (for terrestrial and wetland species) and a 2-mile buffer (for aquatic species) of the project area. Based on these search results, below are your next steps.

**An ER Review is recommended.** You are encouraged to request a full ER Review, although it is not required (<https://dnr.wi.gov/topic/ERReview/Review.html>). If an Endangered Resources Review is requested for this project, it would provide recommended (voluntary) actions that could be taken during the course of the project. The preliminary assessment can be submitted with DNR permit applications and requests to demonstrate compliance with the Endangered Resources Review Process.

One (or more) of the following situations apply:

- The species recorded are special concern.
- The records are from natural communities or other natural features.
- The species recorded are threatened or endangered plants, but are not protected due to the project occurring on private land or due to another type of exemption (i.e. agriculture, utility, etc.).

A copy of this document can be kept on file and submitted with any other necessary DNR permit applications to show that the need for an ER Review has been met. This notice only addresses endangered resources issues. This notice does not constitute DNR authorization of the proposed project and does not exempt the project from securing necessary permits and approvals from the DNR and/or other permitting authorities.

### Project Information

Landowner name	54786_Cumberland Ave (WI22069-6422)
Project address	Cumberland Avenue, Berlin, Waushara County, Wisconsin 54923
Project description	<p>The proposed activity is located along Cumberland Avenue in Berlin, Waushara County, Wisconsin. The property is further identified as being located in the Southeast ¼ of Section 14, Township 18 North, Range 13 East. The location of the property is depicted on the attached Auroraville, Wisconsin Quadrangle.</p> <p>The property is an approximately 100-foot by 100-foot area and is currently vacant land. The proposed development includes construction of a guyed tower and the installation of telecommunications equipment within a fenced compound. The compound was designed to be suitable for additional equipment cabinets. Utilities will be routed underground from the Cumberland Avenue right-of-way to the property within the proposed shared access and utility easement. Access to the property will be from Cumberland Avenue along the existing and proposed gravel access drive within the easement.</p>

### Project Questions

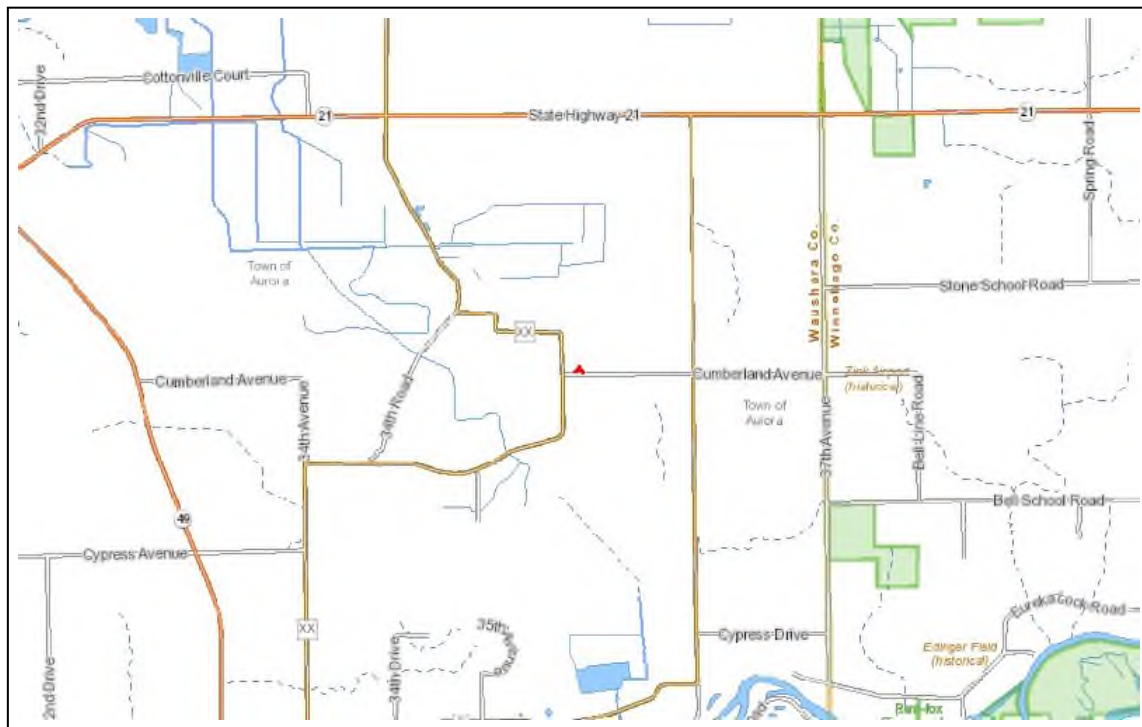
Does the project involve a public property?	No
Is there any federal involvement with the project?	Yes
Is the project a utility, agricultural, forestry or bulk sampling (associated with mining) project?	Yes
Is the project property in Managed Forest Law or Managed Forest Tax Law?	No

Public Portal ID: **LufNqN3@f**

4/11/2022, 3:37:11 PM



Project involves tree or shrub removal?	Yes
Is project near (within 300 ft) a waterbody or a shoreline?	No
Is project within a waterbody or along the shoreline?	No



The information shown on these maps has been obtained from various sources, and is of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. Users of these maps should confirm the ownership of land through other means in order to avoid trespassing. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/legal/>.

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Sworn to and subscribed before me this APR 22, 2022 day of

(Signed) Arlene Staff (Title) Principal Clerk

Notary Public, Wisconsin

My Commission expires

MAR 16 2026

JOHN DAGITZ Notary Public State of Wisconsin

Section: Legals

Category: 0100 LEGAL NOTICE

PUBLISHED ON: 04/22/2022

TOTAL AD COST: 82.22

FILED ON: 4/21/2022

PUBLIC NOTICE

Cloud 1 Services, LLC (Cloud 1) proposes to construct the following guyed towers in Waushara County, WI: a 300' tower (304' overall) along Cumberland Ave. in Berlin (Job #54786), and a 300' tower (304' overall) along 3rd Dr. in Coloma (Job #54787). In accordance with the National Historic Preservation Act of 1966 and the 2005 Nationwide Programmatic Agreement, Cloud 1 is hereby notifying the public of the proposed undertaking and soliciting comments on Historic Properties which may be affected by the proposed undertaking. If you would like to provide specific information regarding potential effects that the proposed undertaking might have to properties that are listed on or eligible for listing in the National Register of Historic Places and located within 3/4 mile of the site, please submit

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Cloud 1 is filing FCC ASR Form 854's for a new guyed tower located along Cumberland Ave., Berlin, WI 54923, Waushara County; Latitude 44-01-38.7 North and Longitude 88-54-53.6 West. The height of the tower is 92.7 meters above ground level and 335.3 meters above mean sea level and also for a new guyed tower located along 3rd Dr., Coloma, WI 54930, Waushara County; Latitude 43-59-40.1 North and Longitude 89-33-06.1 West. The height of the tower is 92.7 meters above ground level and 404.8 meters above mean sea level. The towers will include MDUAL lighting. Interested persons may review the application for this project at www.fcc.gov/ass/applications by entering Antenna Structure Registration (Form 854) file number A1214894 (for Job #54786) or file number A1214892 (for Job #54787) and may raise environmental concerns about the project by filing a Request for Environmental Review with the Federal Communications Commission. Requests for Environmental Review must be filed within 30 days of the date that notice of the project is published on the FCC's website. The FCC strongly encourages interested parties to file Requests for Environmental Review online at www.fcc.gov/asr/environmentalrequest. Parties wishing to submit the request by paper may do so by mailing the request to "FCC Requests for Environmental Review, Attn: Ramon Williams, 445 12th Street SW, Washington, DC 20554." WSJ: April 22, 2022 104625 WNAXLP



# Section 106 Filings

FCC > Wireless > Section 106 Filings

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<b>File Number: 0010016793</b>	Notification Date: <b>04/25/2022</b>	Current Status: <b>Submitted</b>
<b>Form 620: Original Filing</b>		Received On: <b>04/22/2022</b>

The identified Lead SHPO/THPO is not participating online. Please send a paper copy of the filing to this SHPO/THPO. Upon receiving a response, you may record the response online on behalf of the SHPO/THPO.

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## FCC FORM 620 - NEW TOWER SUBMISSION

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**FILING INFORMATION**

Applicant Name: Cloud 1 Services, LLC  
 Consultant Name: Ramaker & Associates, Inc.  
 Site Name: Cumberland Ave (Site Number: WI22069-6422)

**Positive Train Control Site(s) :** **No**

City: Berlin  
 County: WAUSHARA  
 State: Wisconsin  
 Site Coordinates: 44° 01' 38.7" N, 088° 54' 53.6" W  
 UTM Coordinates: 16T, 346545.18 E, 4876700.50 N  
 TCNS Notification Number: 247704  
 EMTS Tracking Number: n/a

**PARTIES INVOLVED**

[View Additional Consulting Parties](#)

Lead SHPO/THPO : Wisconsin Historical Society

SHPO/THPO 2: None  
 SHPO/THPO 3: None  
 SHPO/THPO 4: None

FCC: No  
 ACHP: No

*SHPO/THPOs marked are not participating online*

**YOU ARE CURRENTLY VIEWING:**

Original Filing 04/25/2022

DETERMINATION OF EFFECTS <span style="float: right;">1</span>		
	Visual	Direct
Filer:	▲	▲
Lead SHPO/THPO:	n/a	n/a
FCC Inst:	n/a	n/a

**RECOMMENDATIONS TO DETERMINATION OF EFFECTS**

**There is no Recommendation**

[Add Recommendations Received Offline](#)





April 22, 2022

**TO: WISCONSIN SHPO  
INTERESTED THPOS/NHOS**

**SUBJECT: SECTION 106 (FCC FORM 620) SUBMITTAL**

**SITE: CUMBERLAND AVE (SITE NUMBER: WI22069-6422)  
CUMBERLAND AVENUE  
BERLIN, WAUSHARA COUNTY, WISCONSIN 54923  
RAMAKER & ASSOCIATES, INC. PROJECT NUMBER: 54786  
TCNS NUMBER: 247704**

To Whom it May Concern:

Ramaker & Associates, Inc. (Ramaker) was retained by Cloud 1 Services, LLC (Cloud 1) to complete a NEPA and Section 106 review of a proposed antenna and equipment installation to a proposed 300-foot guyed tower (overall height with appurtenances of 304 feet). The scope of work associated with this review is as per the requirements of the Wisconsin SHPO's office as well as the guidance outlined by the Federal Communications Commission (FCC) in the *Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the FCC* (Nationwide Agreement). The curriculum vitae for the Principal Investigators involved in the preparation of the FCC Form 620 have been included in Attachment A of the attached FCC Form 620.

The proposed activity is located along Cumberland Avenue in Berlin, Waushara County, Wisconsin. The property is further identified as being located in the Southeast ¼ of Section 14, Township 18 North, Range 13 East. The location of the property is depicted on the attached Auroraville, Wisconsin Quadrangle. The project is also identified as being located at 44° 1' 38.65" North and 88° 54' 53.57" West. The locations of the site, site photographs, and appropriate Area of Potential Effect (APE) maps have been included in Attachment B of the attached FCC Form 620.

#### **GENERAL PROJECT SUMMARY**

The property is an approximately 100-foot by 100-foot area and is currently vacant land. The proposed development includes construction of a guyed tower and the installation of telecommunications equipment within a fenced compound. The compound was designed to be suitable for additional equipment cabinets. Utilities will be routed underground from the Cumberland Avenue right-of-way to the property within the proposed shared access and utility easement. Access to the property will be from Cumberland Avenue along the existing and proposed gravel access drive within the easement. Additional site development details are included in the attached figures.

The property was historically utilized for agriculture dating back to 1960 and became vacant land by 1982. The surrounding area is currently characterized by wooded and agricultural lands with scattered farmsteads located along neighboring roadways.

The proposed development is a rawland tower site with ground disturbance and less than one acre was surveyed during the Phase I Archaeological investigation.

As part of our Section 106 review, Ramaker has completed the FCC's Form 620 as outlined in the Nationwide Agreement. In so doing, Ramaker split the Section 106 review into multiple subgroups, making a "determination of effect" for each of the subgroups. The subgroups included:

- Direct APE
- Indirect APE

- Seeking comments from Indian Tribes and Native Hawaiian Organizations
- Seeking comments from the Certified Local Government (or Appropriate Alternative)
- Seeking comments from other “Potentially Interested” Parties
- Overall Determination of Effect

In summary, Ramaker has opined that the proposed Cloud 1 tower site development will have “**No Effect**” to the Indirect APE and “**No Effect**” to the Direct APE. The following is a summary of the activities taken to avoid and/or minimize the potential for “adverse effects” that might have otherwise resulted as part of the development of the above-referenced project.

#### **DIRECT APE - ARCHAEOLOGICAL RESOURCES**

As part of the proposed Section 106 review, Ramaker completed an archaeological survey of the proposed site development area. This site development area is best described as areas including the proposed tower compound, the proposed access drive, and the proposed utility corridor as outlined in the attached site plan(s). As part of the Direct APE evaluation, Ramaker coordinated a Direct APE evaluation by contracting with Midwest Archaeological Consultants, LLC. It was the scope of the Direct APE evaluation to consider the footprint of the proposed Cloud 1 undertaking, including an area surrounding the footprint of not less than 50 feet in all directions. This footprint and expanded area were considered as part of the Direct APE evaluation (i.e., area of consideration).

Based on the findings associated with this investigation, Ramaker has concluded that the project will have “**No Effect**” to the Direct APE. A complete summary of the study area and the methodology utilized to complete the investigation has been included in Attachment C1.

#### **INDIRECT APE**

As authorized by Section VI (C) of the Nationwide Programmatic Agreement, Ramaker determined that the APE for visual effects for this project will be limited to an area within a three-quarter mile radius of the project site. As part of our investigation, Ramaker has reviewed the SHPO’s on-line database of historically significant structures. Any historic properties identified are further summarized in the Indirect APE review (included as Attachment C2). Included in FCC Form 620 are the APE maps utilized as part of this assessment. In addition, and when appropriate, Ramaker completed a field visit to assess the potential for effect to historically significant structures within the projects Indirect APE. Based upon the database query, and field visit (if required), Ramaker summarized the potential for effect to structures within the Indirect APE. This review included a summary of historic structures and historic districts located within the projects Indirect APE.

Based on the findings associated with this investigation, Ramaker has concluded that the project will have “**No Effect**” to the Indirect APE. As noted above, the Indirect APE review has been included in Attachment C2.

#### **INDIAN TRIBES AND NATIVE HAWAIIAN ORGANIZATIONS**

Through the use of the FCC’s Tower Construction Notification System (TCNS), Ramaker has attempted to increase communication with Indian Tribes and Native Hawaiian Organizations (NHOs) in the context of the review required by Section 106. The use of the TCNS system provides Tribes/NHOs with early notification of proposed towers in order to facilitate compliance with the FCC’s rules and streamlines the review process for construction of FCC undertakings, including the collocation to structures that fail to meet the guidelines of the *Nationwide Programmatic Agreement for the Collocation of Wireless Antennas* (Collocation Agreement).

Although Ramaker anticipates a “**No Effect**” finding, it should be noted that Tribes/NHOs may have a different perspective regarding historic properties of religious and cultural significance. In addition to the TCNS process, Ramaker communicates directly with Tribes/NHOs, when appropriate. While communication with the Tribes/NHOs is not complete at this stage of the project, Ramaker will follow the FCC’s guidance on seeking comments from Tribes/NHOs in an attempt to facilitate dialog about the

potential for impacts to sites of cultural importance to Tribes/NHOs. A complete list of the Tribes/NHOs who have expressed interest (through the TCNS "Notice of Organizations" database response) in providing comments with respect to this undertaking has been included in Attachment D. Ramaker is requesting comments from the Tribes/NHOs and will work to ensure that all Tribes/NHOs have been given the opportunity to comment.

**CERTIFIED LOCAL GOVERNMENT (OR APPROPRIATE ALTERNATIVE)**

As part of this Section 106 review, Ramaker has identified a delegate with the Town of Aurora to be the most appropriate appointee to fill the role of the Certified Local Government (CLG) representative. This delegate was chosen for their likelihood to be able to comment on the potential for "adverse effects" resulting from the proposed activities. Copies of the communication, including responses (when appropriate) with the CLG delegate have been included in Attachment E.

While dialog with the Town of Aurora is not complete, based on the research and reviews completed to date, Ramaker anticipates a "**No Effect**" finding regarding the proposed Cloud 1 undertaking.

**OTHER "POTENTIALLY INTERESTED" PARTIES**

As part of this Section 106 review, Ramaker has identified the need to identify other "potentially interested" parties who may have additional information relevant to the potential for "adverse effects" resulting from the proposed activities. As part of this Section 106 review, Ramaker has sought comments from the Waushara County Planning and Zoning Committee and the Waushara County Historical Society. Copies of the communication, including responses (when appropriate) with these parties have been included in Attachment F.

In addition, Ramaker placed a public notice of the proposed undertaking in the Wisconsin State Journal newspaper. A copy of this notification, including any appropriate "Section 106 related" responses has been included in Attachment G.

While dialog with the Waushara County Planning and Zoning Committee, the Waushara County Historical Society, and the public comment period, is not complete, based on the research and reviews completed to date, Ramaker anticipates a "**No Effect**" finding regarding the proposed Cloud 1 undertaking.

**OVERALL DETERMINATION OF EFFECT**

Based on the results of this investigation, as outlined above and further detailed in the attached FCC Form 620 submittal, Ramaker has formulated a determination of "**No Effect**" finding regarding the proposed Cloud 1 undertaking.

At this point, Ramaker seeks the SHPO's concurrence with the findings presented and asks for your support of the proposed project. The FCC Form 620, and the supporting documentation, have been included and are submitted for your review.

Please direct all future correspondence to the appropriate contact below:

Ramaker & Associates, Inc.  
Elliott York, Environmental Specialist  
855 Community Drive  
Sauk City, Wisconsin 53583  
Telephone: (608) 643-4100  
Facsimile: (608) 643-7999  
Email: eyork@ramaker.com

Sandra Weiss, Tribal Coordinator  
855 Community Drive  
Sauk City, Wisconsin 53583  
Telephone: (608) 644-2297  
Facsimile: (608) 643-7999  
Email: TCNS@ramaker.com

If you have any questions or comments, please do not hesitate to contact our office.

Sincerely,

RAMAKER & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read "E. York", with a stylized flourish extending to the right.

Elliott York, Environmental Specialist

Cc: Cloud 1 Services, LLC  
Alicia Broeren, Paralegal  
417 Pine Street  
Green Bay, Wisconsin 54301

**Attachments**

- FCC Form 620
- FCC Form 620 Associated Attachments



Notification Date: 7AM EST 04/25/2022

New Tower ("NT") Submission Packet

See instructions for  
public burden estimates

File Number: 0010016793

General Information

1) (Select only one) ( <b>NE</b> ) <b>NE</b> – New <b>UA</b> – Update of Application <b>WD</b> – Withdrawal of Application	
2) If this application is for an Update or Withdrawal, enter the file number of the pending application currently on file.	File Number:

Applicant Information

3) FCC Registration Number (FRN): <b>0018139824</b>
4) Name: <b>Cloud 1 Services, LLC</b>

Contact Name

5) First Name: <b>Alicia</b>	6) MI:	7) Last Name: <b>Broeren</b>	8) Suffix:
9) Title: <b>Paralegal</b>			

Contact Information

10) P.O. Box:	And /Or	11) Street Address: <b>417 Pine Street</b>	
12) City: <b>Green Bay</b>		13) State: <b>WI</b>	14) Zip Code: <b>54301</b>
15) Telephone Number: <b>(920)940-0144</b>		16) Fax Number: <b>(920)884-0836</b>	
17) E-mail Address: <b>eyork@ramaker.com</b>			

Consultant Information

18) FCC Registration Number (FRN): <b>0012911269</b>
19) Name: <b>Ramaker &amp; Associates, Inc.</b>

Principal Investigator

20) First Name: <b>Joe</b>	21) MI:	22) Last Name: <b>Gallagher</b>	23) Suffix:
24) Title: <b>Project Manager, Architectural/Interior</b>			

Principal Investigator Contact Information

25) P.O. Box:	And /Or	26) Street Address: <b>c/o Elliott York 855 Community Drive</b>	
27) City: <b>Sauk City</b>		28) State: <b>WI</b>	29) Zip Code: <b>53583</b>
30) Telephone Number: <b>(608)643-4100</b>		31) Fax Number: <b>(608)643-7999</b>	
32) E-mail Address: <b>eyork@ramaker.com</b>			

**Professional Qualification**

33) Does the Principal Investigator satisfy the Secretary of the Interior's Professional Qualification Standards?	( <input checked="" type="checkbox"/> ) <u>Y</u> es ( <input type="checkbox"/> ) <u>N</u> o
34) Areas of Professional Qualification: <input type="checkbox"/> Archaeologist <input type="checkbox"/> Architectural Historian <input type="checkbox"/> Historian <input checked="" type="checkbox"/> Architect <input type="checkbox"/> Other (Specify) _____	

**Additional Staff**

35) Are there other staff involved who meet the Professional Qualification Standards of the Secretary of the Interior?	( <input checked="" type="checkbox"/> ) <u>Y</u> es ( <input type="checkbox"/> ) <u>N</u> o
--	---

If "YES," complete the following:

36) First Name: <b>Randy</b>	37) MI:	38) Last Name: <b>Dickson</b>	39) Suffix:
40) Title: <b>Archaeologist</b>			
41) Areas of Professional Qualification: <input checked="" type="checkbox"/> Archaeologist <input type="checkbox"/> Architectural Historian <input type="checkbox"/> Historian <input type="checkbox"/> Architect <input type="checkbox"/> Other (Specify) _____			

## Site Information

### Tower Construction Notification System

1) TCNS Notification Number: **247704**

### Site Information

2) Positive Train Control Filing Subject to Expedited Treatment Under Program Comment: ( ) Yes ( **X** ) No

3) Site Name: **Cumberland Ave (Site Number: WI22069-6422)**

4) Site Address: **Cumberland Avenue**

5) Detailed Description of Project:

**Cloud 1 Services, LLC proposes to construct a 300 foot guyed tower at Cumberland Avenue in Berlin, Waushara County, Wisconsin. Site location maps and the archaeological survey to follow.**

6) City: **Berlin**

7) State: **WI**

8) Zip Code: **54923**

9) County/Borough/Parish: **WAUSHARA**

10) Nearest Crossroads: **See attached site location maps**

11) **NAD 83** Latitude (DD-MM-SS.S): **44-01-38.7**

( **X** ) N or ( ) S

12) **NAD 83** Longitude (DD-MM-SS.S): **088-54-53.6**

( ) E or ( **X** ) W

### Tower Information

13) Tower height above ground level (include top-mounted attachments such as lightning rods): 92.7 ( ) Feet ( **X** ) Meters

14) Tower Type (Select One):

( **X** ) Guyed lattice tower

( ) Self-supporting lattice

( ) Monopole

( ) Other (Describe):

### Project Status

15) Current Project Status (Select One):

( **X** ) Construction has not yet commenced

( ) Construction has commenced, but is not completed

Construction commenced on: \_\_\_\_\_

( ) Construction has been completed

Construction commenced on: \_\_\_\_\_

Construction completed on: \_\_\_\_\_

**Determination of Effect**

14) Direct Effects (Select One):

- No Historic Properties in Area of Potential Effects (APE)
- No Effect on Historic Properties in APE
- No Adverse Effect on Historic Properties in APE
- Adverse Effect on one or more Historic Properties in APE

15) Visual Effects (Select One):

- No Historic Properties in Area of Potential Effects (APE)
- No Effect on Historic Properties in APE
- No Adverse Effect on Historic Properties in APE
- Adverse Effect on one or more Historic Properties in APE

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	<input checked="" type="checkbox"/> <u>Y</u> es (    ) <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u> Number of Tribes/NHOs: <u>35</u>	
2b) Tribes/NHOs contacted through an alternate system:    Number of Tribes/NHOs: <u>0</u>	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Bad River Band of Lake Superior Tribe of Chippewa Indians</b>

#### Contact Name

5) First Name: <b>Edith</b>	6) MI:	7) Last Name: <b>Leoso</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
<input checked="" type="checkbox"/> No Reply	
<input type="checkbox"/> Replied/No Interest	
<input type="checkbox"/> Replied/Have Interest	
<input type="checkbox"/> Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Chippewa Cree Tribe of the Rocky Boy's Reservation</b>

#### Contact Name

5) First Name: <b>Jonathan</b>	6) MI:	7) Last Name: <b>Windy Boy</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
<input checked="" type="checkbox"/> No Reply	
<input type="checkbox"/> Replied/No Interest	
<input type="checkbox"/> Replied/Have Interest	
<input type="checkbox"/> Replied/Other	



### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Y</u> es (    ) <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u> Number of Tribes/NHOs: <u>35</u>	
2b) Tribes/NHOs contacted through an alternate system:    Number of Tribes/NHOs: <u>0</u>	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Crow Creek Sioux Tribe</b>

#### Contact Name

5) First Name: <b>Merle</b>	6) MI:	7) Last Name: <b>Marks</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Ho-Chunk Nation</b>

#### Contact Name

5) First Name: <b>William</b>	6) MI:	7) Last Name: <b>Quackenbush</b>	8) Suffix:
9) Title: <b>Tribal Historic Preservation Officer</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Yes</u> ( <input type="checkbox"/> ) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u> Number of Tribes/NHOs: <u>35</u>	
2b) Tribes/NHOs contacted through an alternate system:      Number of Tribes/NHOs: <u>0</u>	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Iowa Tribe of Oklahoma</b>

#### Contact Name

5) First Name: <b>Iowa</b>	6) MI:	7) Last Name: <b>Tribe</b>	8) Suffix:
9) Title: <b>TCNS Director</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Keweenaw Bay Indian Community</b>

#### Contact Name

5) First Name: <b>Alden</b>	6) MI:	7) Last Name: <b>Connor</b>	8) Suffix: <b>Jr</b>
9) Title: <b>Cultural Resources Director</b>			

#### Dates & Response

10) Date Contacted <u>04/21/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Y</u> es ( <input type="checkbox"/> ) <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u>	Number of Tribes/NHOs: <u>35</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

#### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Kickapoo Tribe of Oklahoma</b>

#### Contact Name

5) First Name: <b>Pamela</b>	6) MI:	7) Last Name: <b>Wesley</b>	8) Suffix:
9) Title: <b>NAGPRA Representative</b>			

#### Dates & Response

10) Date Contacted <u>04/21/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

#### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Lac Courte Oreilles Band of Lake Superior Chippewa Indians of Wisconsin</b>

#### Contact Name

5) First Name: <b>Brian</b>	6) MI:	7) Last Name: <b>Bisonette</b>	8) Suffix:
9) Title: <b>Acting THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Yes</u> ( <input type="checkbox"/> ) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u> Number of Tribes/NHOs: <u>35</u>	
2b) Tribes/NHOs contacted through an alternate system:      Number of Tribes/NHOs: <u>0</u>	

#### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Lac du Flambeau Band of Lake Superior Chippewa Indians</b>

#### Contact Name

5) First Name: <b>Sarah</b>	6) MI: <b>E</b>	7) Last Name: <b>Thompson</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

#### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Lac Vieux Desert Band of Lake Superior Chippewa Indians</b>

#### Contact Name

5) First Name: <b>Alina</b>	6) MI: <b>J</b>	7) Last Name: <b>Shively</b>	8) Suffix: <b>Mrs</b>
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Yes</u> ( <input type="checkbox"/> ) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u> Number of Tribes/NHOs: <u>35</u>	
2b) Tribes/NHOs contacted through an alternate system:      Number of Tribes/NHOs: <u>0</u>	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Lower Brule Sioux Tribe</b>

#### Contact Name

5) First Name: <b>Brian</b>	6) MI: <b>L</b>	7) Last Name: <b>Molyneaux</b>	8) Suffix: <b>PhD</b>
9) Title: <b>Cultural Resources Consultant</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Menominee Indian Tribe of Wisconsin</b>

#### Contact Name

5) First Name: <b>David</b>	6) MI:	7) Last Name: <b>Grignon</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	



### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Y</u> es ( <input type="checkbox"/> ) <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u>	Number of Tribes/NHOs: <u>35</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

#### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Miami Tribe of Oklahoma</b>

#### Contact Name

5) First Name: <b>Diane</b>	6) MI:	7) Last Name: <b>Hunter</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied <u>04/21/2022</u>
( <input type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input checked="" type="checkbox"/> ) Replied/Other	

#### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Mille Lacs Band of Ojibwe Indians</b>

#### Contact Name

5) First Name: <b>Terry</b>	6) MI:	7) Last Name: <b>Kemper</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Yes</u> ( <input type="checkbox"/> ) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u> Number of Tribes/NHOs: <u>35</u>	
2b) Tribes/NHOs contacted through an alternate system:      Number of Tribes/NHOs: <u>0</u>	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Northern Arapaho</b>

#### Contact Name

5) First Name: <b>Benjamin</b>	6) MI:	7) Last Name: <b>Ridgley</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied <u>04/20/2022</u>
<input type="checkbox"/> No Reply <input type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input checked="" type="checkbox"/> Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Northern Cheyenne Tribe</b>

#### Contact Name

5) First Name: <b>Gary</b>	6) MI:	7) Last Name: <b>LaFranier</b>	8) Suffix:
9) Title: <b>FCC Specialist</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
<input checked="" type="checkbox"/> No Reply <input type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input type="checkbox"/> Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Yes</u> ( <input type="checkbox"/> ) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u> Number of Tribes/NHOs: <u>35</u>	
2b) Tribes/NHOs contacted through an alternate system:      Number of Tribes/NHOs: <u>0</u>	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Omaha Tribe of Nebraska</b>

#### Contact Name

5) First Name: <b>Thomas</b>	6) MI:	7) Last Name: <b>Parker</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Otoe-Missouria Tribe of Indians</b>

#### Contact Name

5) First Name: <b>Elsie</b>	6) MI:	7) Last Name: <b>Whitehorn</b>	8) Suffix:
9) Title: <b>Tribal Historic Preservation Officer</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Yes</u> ( <input type="checkbox"/> ) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u> Number of Tribes/NHOs: <u>35</u>	
2b) Tribes/NHOs contacted through an alternate system:      Number of Tribes/NHOs: <u>0</u>	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Ottawa Tribe of Oklahoma</b>

#### Contact Name

5) First Name: <b>Rhonda</b>	6) MI:	7) Last Name: <b>Hayworth</b>	8) Suffix:
9) Title: <b>THPO Dept</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Pokagon Band of Potawatomi Indians</b>

#### Contact Name

5) First Name: <b>Matthew</b>	6) MI:	7) Last Name: <b>Bussler</b>	8) Suffix:
9) Title: <b>Tribal Historic Preservation Officer</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Yes</u> ( <input type="checkbox"/> ) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u> Number of Tribes/NHOs: <u>35</u>	
2b) Tribes/NHOs contacted through an alternate system:      Number of Tribes/NHOs: <u>0</u>	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Ponca Tribe of Indians of Oklahoma</b>

#### Contact Name

5) First Name: <b>Liana</b>	6) MI: <b>S</b>	7) Last Name: <b>Hesler</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/21/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Prairie Band Potawatomi Nation</b>

#### Contact Name

5) First Name: <b>Thomas</b>	6) MI:	7) Last Name: <b>Wabnum</b>	8) Suffix:
9) Title: <b>Tribal Historical Cultural Preservation</b>			

#### Dates & Response

10) Date Contacted <u>04/21/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	



### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Yes</u> ( <input type="checkbox"/> ) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u> Number of Tribes/NHOs: <u>35</u>	
2b) Tribes/NHOs contacted through an alternate system:      Number of Tribes/NHOs: <u>0</u>	

#### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Prairie Island Indian Community</b>

#### Contact Name

5) First Name: <b>Noah</b>	6) MI: <b>C</b>	7) Last Name: <b>White</b>	8) Suffix: <b>III</b>
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

#### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Red Cliff Band of Lake Superior Chippewa Indians of Wisconsin</b>

#### Contact Name

5) First Name: <b>Marvin</b>	6) MI:	7) Last Name: <b>DeFoe</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Y</u> es ( <input type="checkbox"/> ) <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u>	Number of Tribes/NHOs: <u>35</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Red Lake Band of Chippewa Indians of Minnesota</b>

#### Contact Name

5) First Name: <b>Kade</b>	6) MI: <b>M</b>	7) Last Name: <b>Ferris</b>	8) Suffix: <b>MS</b>
9) Title: <b>Tribal Archaeologist/THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Rosebud Sioux Tribe</b>

#### Contact Name

5) First Name: <b>Benjamin</b>	6) MI:	7) Last Name: <b>Young</b>	8) Suffix:
9) Title: <b>Section 106 Compliance Coordinator</b>			

#### Dates & Response

10) Date Contacted <u>04/21/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Yes</u> ( <input type="checkbox"/> ) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u> Number of Tribes/NHOs: <u>35</u>	
2b) Tribes/NHOs contacted through an alternate system:      Number of Tribes/NHOs: <u>0</u>	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Sac &amp; Fox Tribe of the Mississippi in Iowa</b>

#### Contact Name

5) First Name: <b>Johnathan</b>	6) MI: <b>L</b>	7) Last Name: <b>Buffalo</b>	8) Suffix:
9) Title: <b>Historic Preservation Director</b>			

#### Dates & Response

10) Date Contacted <u>04/21/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Santee Sioux Nation of Nebraska</b>

#### Contact Name

5) First Name: <b>Misty</b>	6) MI:	7) Last Name: <b>Flowers</b>	8) Suffix:
9) Title: <b>Tribal Historic Preservation Office</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Yes</u> ( <input type="checkbox"/> ) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u> Number of Tribes/NHOs: <u>35</u>	
2b) Tribes/NHOs contacted through an alternate system:      Number of Tribes/NHOs: <u>0</u>	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Shawnee Tribe</b>

#### Contact Name

5) First Name: <b>Kim</b>	6) MI:	7) Last Name: <b>Jumper</b>	8) Suffix:
9) Title: <b>Cell t</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
<input checked="" type="checkbox"/> No Reply <input type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input type="checkbox"/> Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Sisseton-Wahpeton Oyate of the Lake Traverse Reservation</b>

#### Contact Name

5) First Name: <b>Alicia</b>	6) MI:	7) Last Name: <b>Cloud</b>	8) Suffix:
9) Title: <b>TCNS Compliance Reviewer</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied <u>04/21/2022</u>
<input type="checkbox"/> No Reply <input type="checkbox"/> Replied/No Interest <input checked="" type="checkbox"/> Replied/Have Interest <input type="checkbox"/> Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Yes</u> ( <input type="checkbox"/> ) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u>	Number of Tribes/NHOs: <u>35</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Sokaogon Chippewa Community</b>

#### Contact Name

5) First Name: <b>Cassandra</b>	6) MI:	7) Last Name: <b>Graikowski</b>	8) Suffix:
9) Title: <b>Tribal Historic Preservation Officer</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Turtle Mountain Band of Chippewa</b>

#### Contact Name

5) First Name: <b>Jeff</b>	6) MI:	7) Last Name: <b>Desjarlais</b>	8) Suffix: <b>Jr</b>
9) Title: <b>Acting THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	



### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Y</u> es (    ) <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u> Number of Tribes/NHOs: <u>35</u>	
2b) Tribes/NHOs contacted through an alternate system:    Number of Tribes/NHOs: <u>0</u>	

#### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Upper Sioux Community of Minnesota</b>

#### Contact Name

5) First Name: <b>Samantha</b>	6) MI:	7) Last Name: <b>Odegard</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

#### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Winnebago Tribe of Nebraska</b>

#### Contact Name

5) First Name: <b>Interim THPO Staff</b>	6) MI:	7) Last Name: <u>  </u>	8) Suffix:
9) Title: <b>CPD/THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Y</u> es (    ) <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>247704</u>	Number of Tribes/NHOs: <u>35</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

#### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Wyandotte Nation</b>

#### Contact Name

5) First Name: <b>Sherri</b>	6) MI:	7) Last Name: <b>Clemons</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>04/20/2022</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

## Other Tribes/NHOs Contacted

### Tribe/NHO Information

1) FCC Registration Number (FRN):
2) Name:

### Contact Name

3) First Name:	4) MI:	5) Last Name:	6) Suffix:
7) Title:			

### Contact Information

8) P.O. Box:	<b>And /Or</b>	9) Street Address:		
10) City:		11) State:	12) Zip Code:	
13) Telephone Number:		14) Fax Number:		
15) E-mail Address:				
16) Preferred means of communication:  <input type="checkbox"/> E-mail  <input type="checkbox"/> Letter  <input type="checkbox"/> Both				

### Dates & Response

17) Date Contacted _____	18) Date Replied _____
<input type="checkbox"/> No Reply  <input type="checkbox"/> Replied/No Interest  <input type="checkbox"/> Replied/Have Interest  <input type="checkbox"/> Replied/Other	

## Historic Properties

### Properties Identified

1) Have any historic properties been identified within the APEs for direct and visual effect?	( <input type="checkbox"/> ) <u>Y</u> es ( <input checked="" type="checkbox"/> ) <u>N</u> o
2) Has the identification process located archaeological materials that would be directly affected, or sites that are of cultural or religious significance to Tribes/NHOs?	( <input type="checkbox"/> ) <u>Y</u> es ( <input checked="" type="checkbox"/> ) <u>N</u> o
3) Are there more than 10 historic properties within the APEs for direct and visual effect? If "Yes", you are required to attach a Cultural Resources Report in lieu of adding the Historic Property below.	( <input type="checkbox"/> ) <u>Y</u> es ( <input checked="" type="checkbox"/> ) <u>N</u> o

### Historic Property

4) Property Name:
5) SHPO Site Number:

### Property Address

6) Street Address:		
7) City:	8) State:	9) Zip Code:
10) County/Borough/Parish:		

### Status & Eligibility

11) Is this property listed on the National Register?  Source: _____	( <input type="checkbox"/> ) <u>Y</u> es ( <input type="checkbox"/> ) <u>N</u> o
12) Is this property eligible for listing on the National Register?  Source: _____	( <input type="checkbox"/> ) <u>Y</u> es ( <input type="checkbox"/> ) <u>N</u> o
13) Is this property a National Historic Landmark?	( <input type="checkbox"/> ) <u>Y</u> es ( <input type="checkbox"/> ) <u>N</u> o

14) Direct Effects (Select One):  <input type="checkbox"/> No Effect on this Historic Property in APE <input type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE
15) Visual Effects (Select One):  <input type="checkbox"/> No Effect on this Historic Property in APE <input type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE

## Local Government Involvement

### Local Government Agency

1) FCC Registration Number (FRN):
2) Name: <b>Town of Aurora</b>

### Contact Name

3) First Name: <b>C.J.</b>	4) MI:	5) Last Name: <b>Young</b>	6) Suffix:
7) Title: <b>Town Chair</b>			

### Contact Information

8) P.O. Box: <b>256</b>	And /Or	9) Street Address:	
10) City: <b>Berlin</b>		11) State: <b>WI</b>	12) Zip Code: <b>54923</b>
13) Telephone Number: <b>(920)237-9919</b>		14) Fax Number:	
15) E-mail Address: <b>aurorachairman@gmail.com</b>			
16) Preferred means of communication: <input type="checkbox"/> E-mail <input checked="" type="checkbox"/> Letter <input type="checkbox"/> Both			

### Dates & Response

17) Date Contacted <b>04/20/2022</b>	18) Date Replied _____
<input checked="" type="checkbox"/> No Reply <input type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input type="checkbox"/> Replied/Other	

### Additional Information

19) Information on local government's role or interest (optional):
--



### Other Consulting Parties

#### Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	( <input checked="" type="checkbox"/> ) <u>Yes</u> ( <input type="checkbox"/> ) <u>No</u>
--	---

#### Consulting Party

2) FCC Registration Number (FRN):
3) Name: <b>Waushara County Planning and Zoning Committee</b>

#### Contact Name

4) First Name: <b>Robert</b>	5) MI:	6) Last Name: <b>Wedell</b>	7) Suffix:
8) Title: <b>Chair</b>			

#### Contact Information

9) P.O. Box: <b>300</b>	And /Or	10) Street Address:	
11) City: <b>Wautoma</b>	12) State: <b>WI</b>	13) Zip Code: <b>54982</b>	
14) Telephone Number: <b>(920)787-0431</b>		15) Fax Number:	
16) E-mail Address: <b>melissa.pingel@co.waushara.wi.us</b>			
17) Preferred means of communication: ( <input type="checkbox"/> ) E-mail ( <input checked="" type="checkbox"/> ) Letter ( <input type="checkbox"/> ) Both			

#### Dates & Response

18) Date Contacted <b>04/20/2022</b>	19) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

#### Additional Information

20) Information on other consulting parties' role or interest (optional):
---

### Other Consulting Parties

#### Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	( <input checked="" type="checkbox"/> ) Yes ( <input type="checkbox"/> ) No
--	---

#### Consulting Party

2) FCC Registration Number (FRN):
3) Name: <b>Waushara County Historical Society</b>

#### Contact Name

4) First Name: <b>To Whom</b>	5) MI:	6) Last Name: <b>It May Concern</b>	7) Suffix:
8) Title:			

#### Contact Information

9) P.O. Box:	And /Or	10) Street Address: <b>221 South Saint Marie Street</b>		
11) City: <b>Wautoma</b>		12) State: <b>WI</b>	13) Zip Code: <b>54982</b>	
14) Telephone Number: <b>(920)787-7584</b>		15) Fax Number:		
16) E-mail Address: <b>wausharamuseum@yahoo.com</b>				
17) Preferred means of communication: ( <input type="checkbox"/> ) E-mail ( <input checked="" type="checkbox"/> ) Letter ( <input type="checkbox"/> ) Both				

#### Dates & Response

18) Date Contacted <b>04/20/2022</b>	19) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

#### Additional Information

20) Information on other consulting parties' role or interest (optional):
---

## Designation of SHPO/THPO

1) Designate the Lead State Historic Preservation Officer (SHPO) or Tribal Historic Preservation Officer (THPO) based on the location of the tower.

### SHPO/THPO

Name: **Wisconsin Historical Society**

2) You may also designate up to three additional SHPOs/THPOs if the APEs include multiple states. If the APEs include other countries, enter the name of the National Historic Preservation Agency and any state and provincial Historic Preservation Agency.

SHPO/THPO Name: \_\_\_\_\_

SHPO/THPO Name: \_\_\_\_\_

SHPO/THPO Name: \_\_\_\_\_

### Certification

I certify that all representations on this FCC Form 620 Submission Packet and the accompanying attachments are true, correct, and complete.

#### Party Authorized to Sign

First Name: **Elliott**

MI: **T**

Last Name: **York**

Suffix:

Signature: **Elliott T York**

Date: **04/22/2022**

**FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID.**

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).**

## Attachments :

Type	Description	Date Entered
Additional Site Information	<a href="#">Project Summary</a>	04/20/2022
Resumes/Vitae	<a href="#">a - Resumes (Gallagher Dickson)</a>	04/20/2022
Map Documents	<a href="#">b1 - Site Maps</a>	04/20/2022
Photographs	<a href="#">b2 - Site Photos</a>	04/20/2022
Other	<a href="#">b3 - Site Plans</a>	04/20/2022
Historic Properties for Direct Effects	<a href="#">c1 - Direct APE Summary</a>	04/20/2022
Historic Properties for Visual Effects	<a href="#">c2 - Indirect APE Summary</a>	04/20/2022
Area of Potential Effects	<a href="#">c3 - APE Maps</a>	04/20/2022
Local Government Involvement	<a href="#">e - CLG Involvement</a>	04/20/2022
Public Involvement	<a href="#">f - Interested Party Involvement</a>	04/20/2022
Public Involvement	<a href="#">g - Public Notice</a>	04/20/2022
Tribal/NHO Involvement	<a href="#">d - Tribal Involvement</a>	04/22/2022

*Updated as of October 05, 2020*

**Joseph C Gallagher, AIA, NCARB, LEED Green Assoc.  
Lead Architect & Architectural Business Development**

**Education**

**Temple University - Philadelphia, PA**

Master's Degree in Architecture - May 2012

**Roger Williams University - Bristol, RI**

Bachelor of Science in Architecture - May 2010

Minor in Art & Architectural History, Minor in Business + Marketing

**Architecture/Design Accomplishments**

**Memberships & Certifications**

- ARCHITECTURAL LICENSURE
  - COLORADO (ARC.00406333)
  - FLORIDA (AR100799)
  - ILLINOIS (001.025137)
  - INDIANA (AR1200072)
  - IOWA (ARC07914)
  - MINNESOTA (58132)
  - NEW JERSEY (21AI02174400)
  - NEW MEXICO (00614)
  - PENNSYLVANIA (RA409121)
  - WISCONSIN (12901-5)
  - NEBRASKA, NEW YORK - *PENDING*
- NCARB CERTIFICATION
  - 97448
- AIA member
  - Philadelphia, PA Chapter (May 2012 - August 2016)
  - Wisconsin Chapter (Aug 2016 - Present)
- LEED Green Associate (2014 - Present)
- Member of National Trust for Historic Preservation (2012 - Present)

**Representative Historical Work/Experience**

**Department of Facilities Development – Madison, WI**

*1 W Wilson (DHS) - Fire Protection & Sprinkler Installation*

- Responsible for Architectural drawings as part of sprinkler & fire protection project
- Architectural Consultant to CMG Engineering + Coordination with WI SHPO

**Myles Development Company - West Chester, PA**

*F&M Hotel*

- Contributed to all phases of design for adaptive reuse of Farmers & Mechanics Building
- Coordination of all SHPO requirements for state of PA
- Presented at various WC HARB, Planning Commission & Borough Council Meetings

## **John James Audubon Center at Mill Grove - Audubon, PA**

### *Winterization of Pavilion*

- Served as the lead designer on winterization of existing pavilion at historic Audubon property
- Responsible for all aspects of project from schematic design through construction administration
- Various presentations with Audubon Society + Local historical society

## **Borough of Lansdale - Lansdale, PA**

### *311 Performing Arts*

#### *Lansdale Municipal Building*

- Part of Lead Design team for both projects
- 311 Performing Arts – turned historic Lansdale Masonic Lodge into Performing Arts Center
  - Façade restoration effort working with state SHPO
- Lansdale Municipal Building – Preserved historic post office/courthouse façade and ‘inserted’ modern design into its walls
  - Shored up existing walls in place to maintain historic Lansdale presence as mask to modern interior + addition
- Presented to Lansdale Borough Council, Local community and Historical society

## **Moland House - Hartsville, PA**

### *Renovation + Restoration Efforts*

- Member of Warwick Historical Society from 2008-2016
- Assisted with both documentation and physical restoration efforts of the Moland House; George Washington’s Headquarters during the winter at Valley Forge
  - With Greenside Interiors + John Milner Architects



RANDY R. DICKSON  
M.S. R.P.A.  
MIDWEST ARCHAEOLOGICAL CONSULTANTS, INC.

Education

Master of Science - Anthropology = University of Wisconsin at Milwaukee (2002)

Graduate Studies in Anthropology University of Iowa (1988 to 1997)

Bachelor of Arts - BGS with concentration in Anthropology = University of Iowa (1987)

Professional Organizations

American Cultural Resources Association.

Association of Iowa Archaeologists.

Crossroads at Big Creek: Principal Investigator, Lead Archaeologist.

Ohio Historic Society List of Professional Consultants.

Michigan Historic Society List of Professional Consultants.

Register of Professional Archaeologists.

Wisconsin Historic Society List of Professional Consultants.

Wisconsin Archaeological Survey: Guidelines Committee Member and President of Outreach Committee.

Wisconsin Archaeological Society.

Selected Professional Experience – Historic & Prehistoric Archaeology

Date	Agency or Company	Level of Investigation	Location
1980 to 1983	University of Texas, Austin, Texas	Phase I & II	San Marcos, and Georgetown, Texas; (San Gabriel and Guadalupe Rivers)
September to November 1989	Department of Transportation	Phase I	Polk County, Iowa
December 1989	Department of Transportation	Phase I	Ainsworth, Iowa and Mount Pleasant, Iowa
April to July 1990	Federal Energy Regulatory Commission	Phase I & II for a 212-mile gas pipeline project	Ventura to Burlington, Iowa
September to October 1990	U.S. Army Corps of Engineers	Phase I (various reservoir projects)	Vilas, Oneida and Iron Counties, Wisconsin
October 1990	Department of Natural Resources	Oneonta Burials (47LC-447)	La Crosse, Wisconsin
November to December 1990	Federal Energy Regulatory Commission	Phase I & II for a 212-mile gas pipeline project	Ventura to Burlington, Iowa
May to June 1992	United States Department of Agriculture - Rural Development	Phase I (water transmission lines)	Schuyler County, Illinois
1992	American Resource Group, LTD	Phase I	Polk County, Iowa

Date	Agency or Company	Level of Investigation	Location
May 1994	Department of Transportation	Phase I & II	Polk County, Iowa
June to July 1994	U.S. Army Corps of Engineers	Phase I & II	Monroe, Missouri
October to December 1994	Black Beauty Coal Company	Phase I & II	Gibson and Vigo Counties, Indiana
April 1995	United States Department of Agriculture - Rural Development	Phase I (water transmission lines)	Marion, Illinois
May 1995	United States Department of Agriculture - Rural Development	Phase I (water transmission lines)	Lake Carlyle, Illinois
May 1995	Department of Natural Resources	Phase I	Crab Orchard, Illinois
June 1995	Black Beauty Coal Company	Phase I & II	Davies, Knox, Gibson and Pike Counties, Indiana
September 1995	U.S. Army Corps of Engineers	Phase I & II	Lake Red Rock, Iowa
October to November 1995	Department of Transportation	Phase I & II	Camp Dodge, Johnston, Iowa
May to June 1996	Federal Energy Regulatory Commission	Phase I & II	Riverside, Iowa
August 1998	United States Department of Agriculture - Rural Development	Phase I & II (water transmission lines)	Wapello County, Iowa
August 1998	United States Department of Agriculture - Rural Development	Phase I & II (water transmission lines)	Boone, County, Iowa
November 1999	Department of Transportation	Phase I	Waupaca, Wisconsin
December 1999	Department of Natural Resources	Phase I	Kenosha, Wisconsin
May to August 2000	Teaching Assistant at University of Wisconsin - Milwaukee	Oneonta Village (47JE-904)	Lake Koshkonong, Wisconsin
September to November 2000	Wisconsin Department of Transportation - Historic Resources Management Services	Phase III (47DR-432)	Door County, WI
November 2000	Federal Aviation Administration	Phase I	Waupaca, Wisconsin
May to August 2001	Department of Transportation	Phase II (47DR-244)	Door County, Wisconsin

Date	Agency or Company	Level of Investigation	Location
May to December 2002	Department of Transportation	Phase II & III (47DR-432 and 47KE-9)	Door County and Kewaunee County, Wisconsin
June 2003	Department of Transportation	Phase I	Waupaca, Wisconsin
June to September	Department of Transportation	Phase II & III (47EC-78)	Eau Claire, Wisconsin
November to December 2004	United States Department of Agriculture - Rural Development	Phase I (water transmission lines)	Boone, County, Iowa
April 2005	United States Department of Agriculture - Rural Development	Phase I (water transmission lines)	Boone, County, Iowa
2005	Federal Communications Commission	Phase I	Iowa, Wisconsin and Minnesota
2006	Federal Communications Commission	Phase I	Iowa, Michigan, Wisconsin and Minnesota
February to March 2006	United States Department of Agriculture - Rural Development	Phase I (water transmission lines)	Webster, County, Iowa
November 2006	United States Department of Agriculture - Rural Development	Phase I (water transmission lines)	Calhoun County, Iowa
December 2006	Department of Transportation	Phase I	Portage County, Wisconsin
2007	Federal Communications Commission	Phase I	Illinois, Ohio, Iowa, Michigan, Wisconsin and Minnesota
June 2007	United States Department of Agriculture - Rural Development	Phase I (water transmission lines)	Calhoun County, Iowa
2008	Federal Communications Commission	Phase I	Missouri, South Dakota, Illinois, Ohio, Iowa,
January-December 2008	Housing & Urban Development	Phase I	Wisconsin & Iowa
June 2008	Federal Energy Regulatory Commission	Archaeological Monitoring	Minnesota
2009	Federal Communications Commission	Phase I	Missouri, South Dakota, Illinois, Ohio, Iowa, Michigan, Wisconsin and Minnesota

Date	Agency or Company	Level of Investigation	Location
March to December 2009	Department of Transportation	Phase I & II (47GL-281)	Door, Green Lake, and Juneau County, Wisconsin
January 2007	United States Department of Agriculture - Rural Development	Archaeological Monitoring	Sauk County, Wisconsin
September-October 2010	Housing & Urban Development	Phase I	Polk County, Iowa
March to December 2010	Natural Resource Conservation Service	Phase I	Wisconsin
2010	Federal Communications Commission	Phase I	Missouri, South Dakota, Illinois, Ohio, Iowa, Michigan, Wisconsin and Minnesota
2012	United States Department of Agriculture - Rural Development	Archaeological Monitoring and Phase I & II (water transmission lines)	Wisconsin
2012	Housing & Urban Development	Phase I	Polk County, Iowa
2012	Natural Resource Conservation Service	Phase I	Wisconsin
2013	Federal Communications Commission	Phase I & II	Missouri, South Dakota, Illinois, Ohio, Iowa, Michigan, Wisconsin and Minnesota
2013	United States Department of Agriculture - Rural Development	Archaeological Monitoring and Phase I & II (water transmission lines)	Wisconsin
2013	Housing & Urban Development	Phase I	Wisconsin
2013	Federal Energy Regulatory Commission	Phase I for 102 miles of transmission lines	Iowa
2014	Federal Communications Commission	Phase I & II	Colorado, Iowa, Wisconsin, Michigan and Illinois
2014	United States Department of Agriculture - Rural Development	Phase I & II (water transmission lines)	Wisconsin

Date	Agency or Company	Level of Investigation	Location
2014	Housing & Urban Development	Phase I	Polk County, Iowa
2014	Natural Resource Conservation Service	Phase I	Wisconsin
2015	Federal Communications Commission	Phase I & II	Iowa, Wisconsin, Michigan, Illinois, Minnesota, Missouri, Ohio, Maryland, Massachusetts, Pennsylvania and Texas
2015	United States Department of Agriculture - Rural Development	Phase I & II (water transmission lines)	Wisconsin
2015	Public Outreach	Phase I & II (47DR-0035 & 47DR-0428)	Door County, Wisconsin
2016	Rural Electric Cooperative	Phase I	Iowa
2016	Housing & Urban Development	Phase I	Outagamie and Winnebago Counties, Wisconsin
2016	Federal Communications Commission	Phase I & II	Iowa, Wisconsin, Michigan, Illinois, Minnesota, Missouri, Ohio, Maryland, Massachusetts, Pennsylvania and Texas
2016	Public Outreach	Phase I & II (47DR-0035 & 47DR-0428)	Door County, Wisconsin
2017	Federal Communications Commission	Phase I & II	Iowa, Wisconsin, Michigan, Illinois, Minnesota, Missouri, Ohio, Maryland, Massachusetts, Pennsylvania and Texas
2017	Department of Natural Resources	Phase I	Manitowoc County, Wisconsin
2017	United States Department of Agriculture - Rural Development	Phase II (water transmission lines)	Monroe, County, Wisconsin

Date	Agency or Company	Level of Investigation	Location
2017	Public Outreach	Phase I & II (47DR-0035 & 47DR-0428)	Door County, Wisconsin





**USGS 7.5-Minute Quadrangle**

Cumberland Ave (WI22069-6422)  
Cumberland Avenue  
Berlin, Wisconsin 54923  
Waushara County

Source: Google Earth



NOT TO SCALE



**Aerial Photograph**

Cumberland Ave (WI22069-6422)  
Cumberland Avenue  
Berlin, Wisconsin 54923  
Waushara County

Source: Google Earth



NOT TO SCALE





View from the Subject Property facing north.



View from the Subject Property facing east.



View from the Subject Property facing south.



View from the Subject Property facing west.



View of the existing and proposed access road facing east from Cumberland Avenue.



View east along Cumberland Avenue from the access route.












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

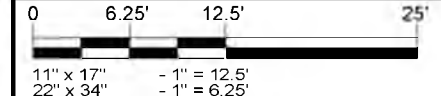
Continuation of Sheet

MARK	DATE	DESCRIPTION	DATE ISSUED
ISSUE	03/18/2022	LEASE EXHIBIT	03/18/2022

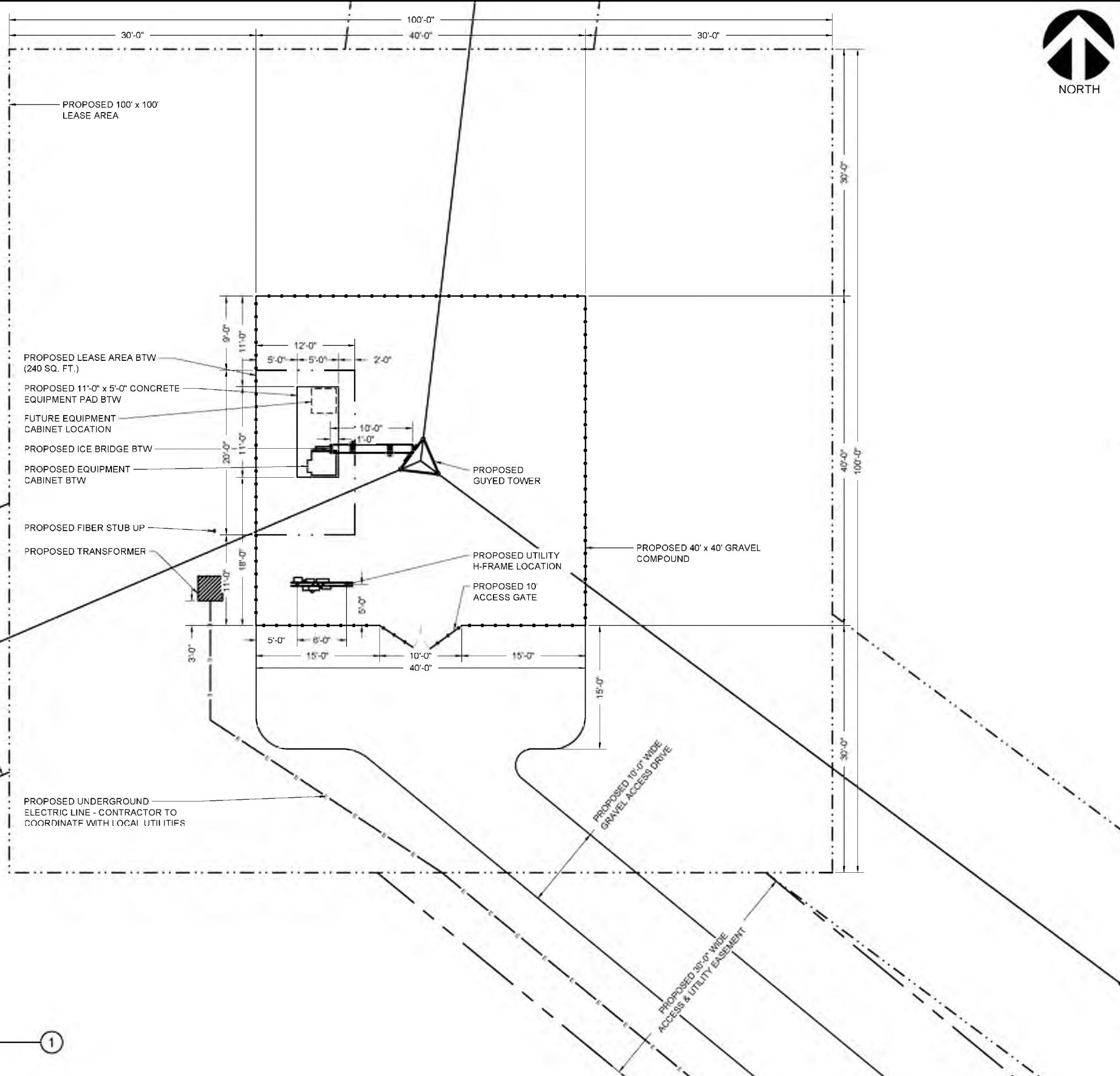
**CUMBERLAND AVE**

PROJECT INFORMATION:  
 CUMBERLAND AVENUE  
 BERLIN, WI 54923  
 WAUSHARA COUNTY  
 TAX ID# 002014430500 & 002014430800

**SITE PLAN**



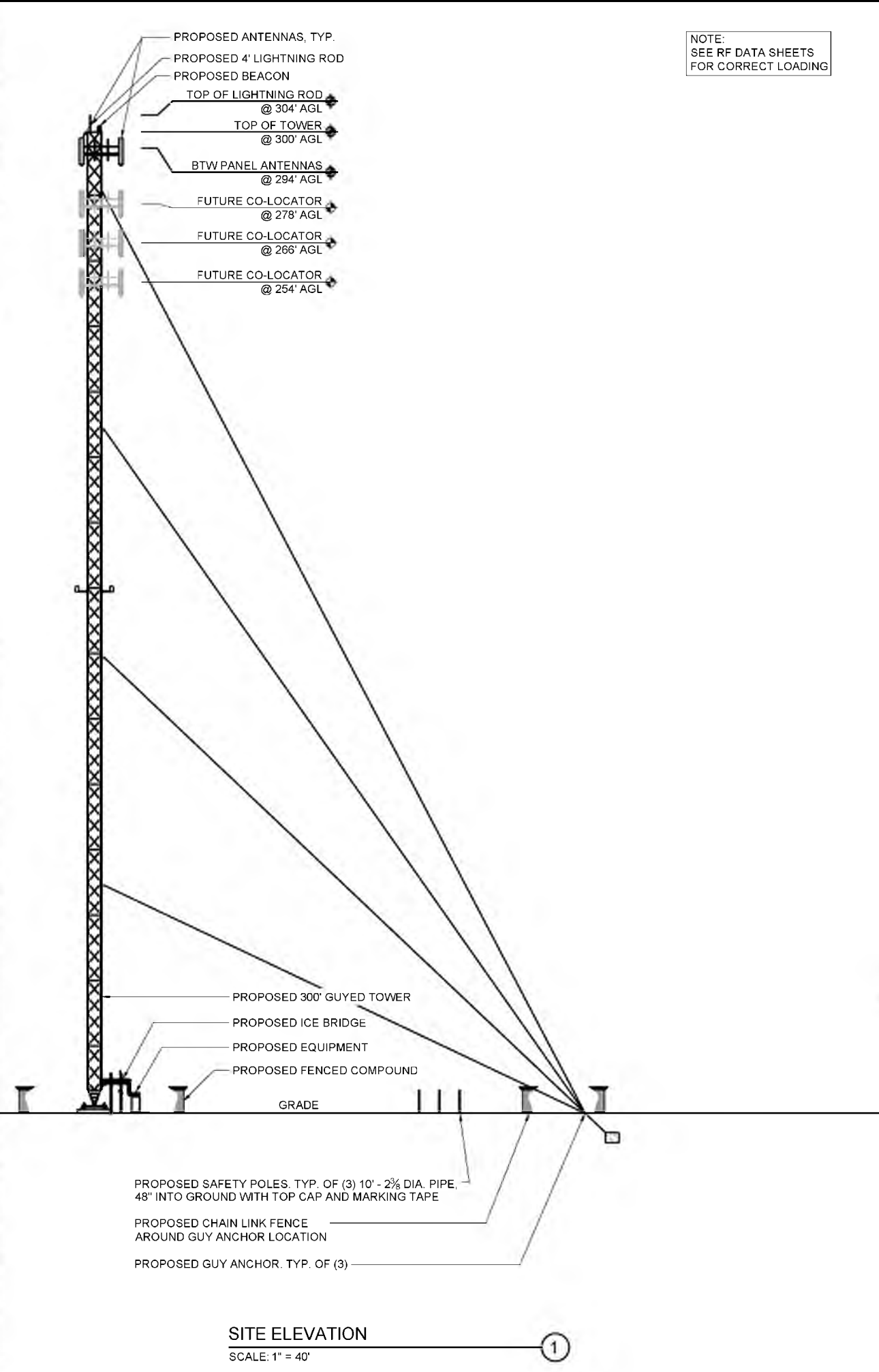
PROJECT NUMBER: **54786**  
 SHEET NUMBER: **C-3**



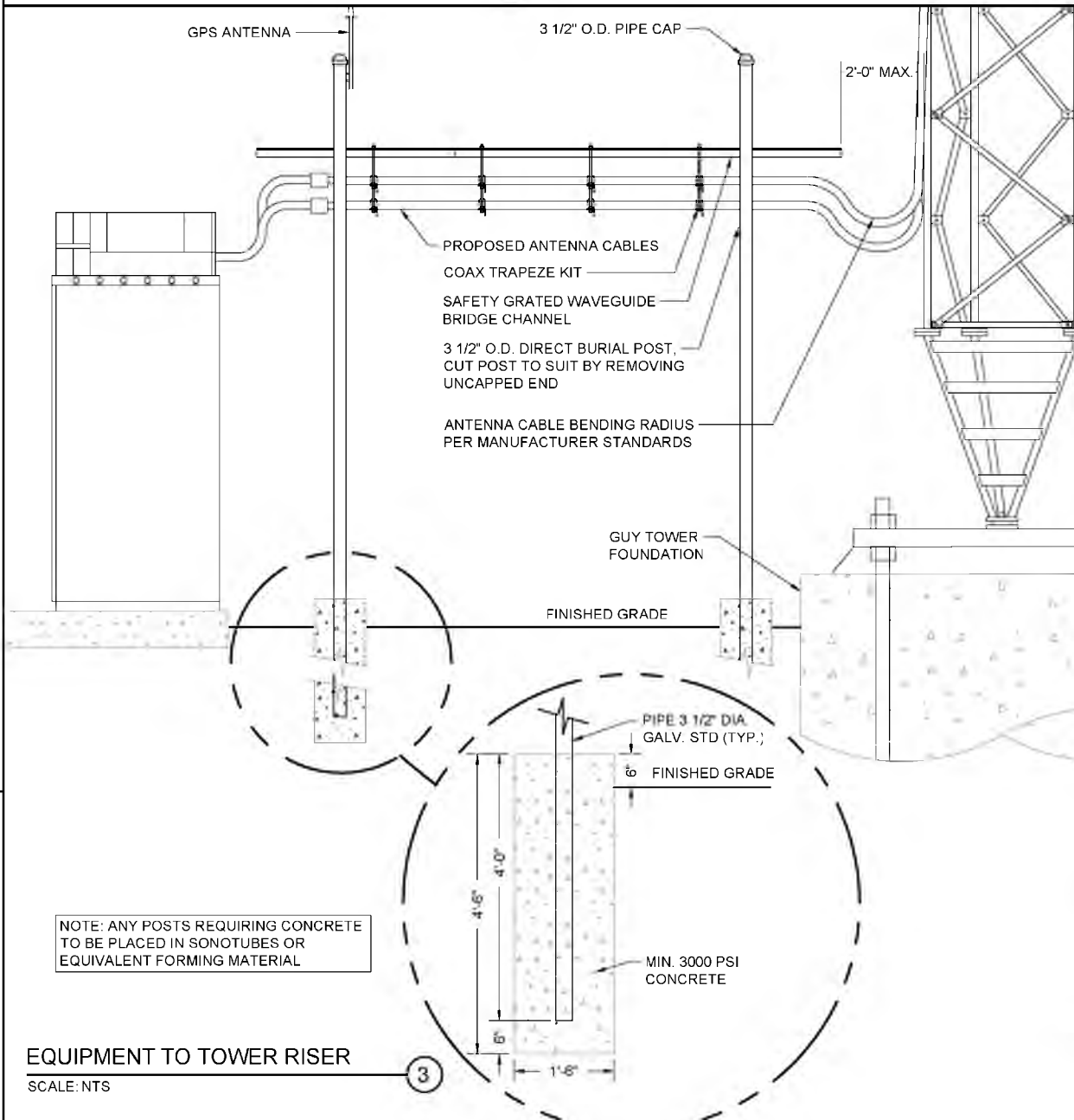
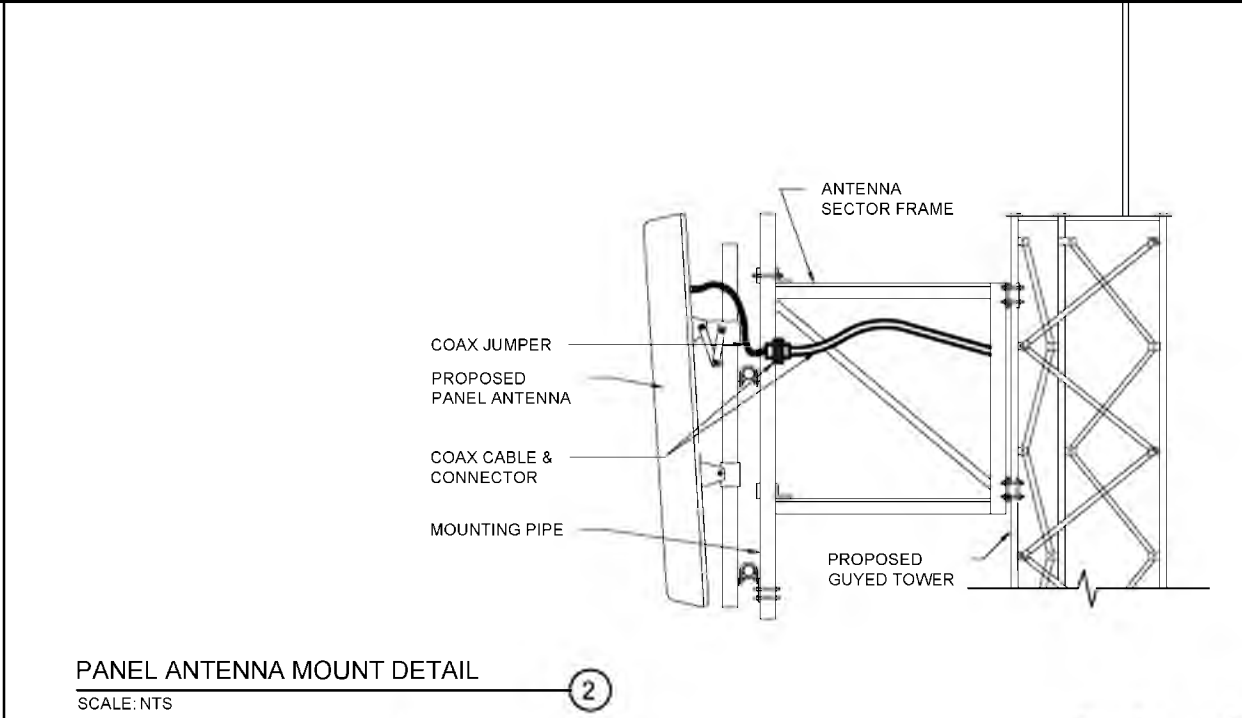
**SITE PLAN**  
 SCALE: 1" = 12.5'

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NOTE:  
 SEE RF DATA SHEETS  
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 PH.: (920) 940-0147

MARK	DATE	DESCRIPTION

ISSUE	DATE	DESCRIPTION
LEASE EXHIBIT	03/18/2022	

PROJECT TITLE:  
**CUMBERLAND AVE**

PROJECT INFORMATION:  
 CUMBERLAND AVENUE  
 BERLIN, WI 54923  
 WAUSHARA COUNTY  
 TAX ID# 002014430500 & 002014430800

**SITE ELEVATION**

0 20' 40' 80'

11" x 17" - 1" = 40'  
 22" x 34" - 1" = 20'

PROJECT NUMBER: 54786  
 SHEET NUMBER: C-4

**PHASE I ARCHAEOLOGICAL SURVEY IN RESPONSE TO A  
PROPOSED CELL TOWER (WI22069-6422) LOCATED AT  
CUMBERLAND AVENUE AND COUNTY ROAD XX IN  
RURAL BERLIN, WISCONSIN**

**MIDWEST ARCHAEOLOGICAL CONSULTANTS  
REPORT #2833**

**PREPARED FOR:  
RAMAKER AND ASSOCIATES**

**RANDY DICKSON  
PRINCIPAL INVESTIGATOR  
MIDWEST ARCHAEOLOGICAL CONSULTANTS, LLC  
1108 RHODE ISLAND STREET  
STURGEON BAY, WI.  
54235**

**APRIL 14, 2022**

©

## **ABSTRACT**

*Ramaker and Associates, Inc. (RAMAKER) along with CLOUD 1 proposes to construct a cell tower in Waushara County, Wisconsin. The tower project is located in the SW1/4, SE1/4 of Section 14, Township 18N, Range 13E and the lease area is to be 100ft x 100ft (30 meters x 30 meters) and contain an access road and utility easement of approximately 100ft (30-meters) by 30ft (9 meters). The communication tower project requires a license from the Federal Communications Commission (FCC). Midwest Archaeological Consultants (MAC) conducted research of previously recorded historic sites within a one-mile radius of the proposed project area and found that there are five previously recorded sites and one archaeological survey. The proposed project area does not intersect any previously recorded sites. The Phase 1 archaeological survey did not indicate the presence of any cultural resources in the proposed project area and utility easement. Further archeological investigations are not recommended and the proposed tower project will have "No Effect" on archeological resources within the area of direct effects.*

## **INTRODUCTION**

RAMAKER along with CLOUD 1 propose to construct a cellular tower compound in rural Berlin, Wisconsin. The project is titled "Cumberland". The cellular tower project requires a license from the Federal Communications Commission. As a consequence of the Federal licensing process, the project must comply with Sections 106 and 110 of the National Historic Preservation Act and State laws (157.70 Wisconsin Statutes). A review of historic property potential is required in advance of construction. The guidelines and intent of the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the FCC Report and Order 04-222 ("NPA") was followed for this project. The Guide for Public Archaeology in Wisconsin (Dickson, Haas, Kaufmann 2020) was also followed for this project.

This report has been prepared by MAC in accordance with the terms of a contract between MAC and RAMAKER. Mr. Randy Dickson served as Principal Investigator and authored this report. Mr. Dickson meets the Secretary of Interior Standards for Principal Investigator for prehistoric and historic archaeology. As part of the Direct APE evaluation, Midwest Archaeological Consultants (MAC) consulted with RAMAKER. The scope of work MAC was tasked to consider included the footprint of the proposed undertaking, as well as an area surrounding the footprint of not less than 50 feet in all directions. This footprint and expanded area were considered as part of the direct APE evaluation (i.e., area of consideration). Note, that the area considered as the Direct APE was limited to the host property and associated parcel(s). MAC is solely responsible for the research, analysis and recommendations made in this report. The proposed tower site is located at the SW1/4, SE1/4 of Section 14, Township 18N, Range 13E. The project is located 4.3-miles (6.9-kilometers) northeast of Berlin and 478ft (146-m) northeast of the intersection of Cumberland Avenue and County Road XX.

The entire proposed cell tower lease area was subjected to an archaeological survey on April 13 2022, by Randy Dickson M.S. R.P.A. of MAC. Mr. Dickson is a registered professional archaeologist and has worked professionally in archaeology since 1980. Mr. Dickson possesses an M.S. in anthropology. Mr. Dickson is a member of the Guidelines and Public Outreach Committee for the Wisconsin Archaeological Survey.

This Phase I archaeological survey was concerned with the direct effects APE meaning the direct impact of the cell tower to any possible cultural resources in or on the ground that may be impacted by the construction and existence of the proposed cell tower. This was a Phase I archaeological survey for the proposed RAMAKER and CLOUD 1 project in rural Berlin, Wisconsin.

**ARCHAEOLOGICAL CONTEXT**

The WHS files indicated that there are no previously recorded archaeological sites within the area of direct impact of the proposed cell tower. There are five previously recorded archaeological sites located within a one-mile radius of the project area. The sites are as follows:

Site WS-254 is an historic Euro American cemetery located approximately 1/6-mile SE.

Sites WS-176, 177 are campsites/villages located approximately 1/6-mile east.

Site WS-175 is an isolated find located approximately 1/6-mile east.

Site WS-178 is a campsite/village located approximately 1/2-mile north.

There is one archaeological survey within one-mile: 05-0947.

**ARCHAEOLOGICAL ASSESSMENT – FIELD METHODS AND RESULTS**

**LOCATION:** The project is located 4.3-miles (6.9-kilometers) northeast of Berlin and 478ft (146-m) northeast of the intersection of Cumberland Avenue and County Road XX.

**TOPOGRAPHY:** Slight rolling hills with wetlands in between.

**NEAREST WATER:** Wetlands 1/4-mile west, north and south.

**SURFACE VISIBILITY:** 0-10%

**SURVEY IMPEDIMENTS:** None.

**TENSION ZONE:** The project area was located north of the tension zone.

**PHYSIOGRAPHIC REGION:** Central Plain.

**DISTURBED CONTEXT:** No.

**PROJECT AREA STAKED OR MARKED:** Yes.

**SOILS:** In the proposed tower lease area consists of the following:

**Waushara County, Wisconsin**

**RfB—Richford loamy sand, 2 to 6 percent slopes**

**Map Unit Setting**

- National map unit symbol: 2wpww
- Elevation: 780 to 1,310 feet
- Mean annual precipitation: 31 to 33 inches
- Mean annual air temperature: 43 to 46 degrees F

- Frost-free period: 125 to 160 days
- Farmland classification: Farmland of statewide importance

### **Map Unit Composition**

- Richford and similar soils: 92 percent
- Minor components: 8 percent
- Estimates are based on observations, descriptions, and transects of the mapunit.

### **Description of Richford**

#### **Setting**

- Landform: Stream terraces, knolls, ridges
- Landform position (two-dimensional): Summit, backslope
- Landform position (three-dimensional): Crest, side slope
- Down-slope shape: Convex
- Across-slope shape: Linear
- Parent material: Sandy and loamy outwash

#### **Typical profile**

- Ap - 0 to 7 inches: loamy sand
- Bw - 7 to 21 inches: loamy sand
- Bt - 21 to 38 inches: sandy loam
- C - 38 to 79 inches: sand

Source: <http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>

**FIELD METHODS:** Arrived at the proposed cell tower location on April 13, 2022, to conduct a Phase I archaeological survey upon the proposed cell tower project in rural Berlin, Wisconsin. The proposed tower project is located on the Central Plain area of Wisconsin. The project is located 4.3-miles (6.9-kilometers) northeast of Berlin and 478ft (146-m) northeast of the intersection of Cumberland Avenue and County Road XX. The tower lease area was located in an open pasture space consisting of mixed grasses. The entire project area from the north guy anchor to the southwest and southeast guy anchors sloped downward towards the south. The access road entered from the north side of Cumberland Avenue and shared the driveway with the rural residence that was located 300ft (90-m) to the north. There was a second rural residence located 336ft (102-m) directly west of the proposed tower location. A total of N=9 shovel tests were conducted in the lease area, guy anchors and in the proposed access road. Many of the shovel tests filled with water immediately upon completion. All soils were screened through ¼” hardware cloth. The soils were eroded. A 50ft (15 meter) buffer around the lease area was subjected to a Phase 1 archaeological survey as well. No cultural material or historic properties were identified in this survey.



Shovel Test	Shovel Test Location	Soil Horizon Depth (cm)	Soil Horizon Depth (cm)	Soil Description (All STP's >40 cm diameter unless otherwise noted)	Results
STP#01	NW Corner	0-27	27-41	'Ap' 10YR 4/4 sandy loam. 'Bt' 10YR 5/6 sand.	Negative
STP#02	NE Corner	0-26	26-40	'Ap' 10YR 4/4 sandy loam. 'Bt' 10YR 5/6 sand.	Negative
STP#03	Tower Lease Area Center UTM: 16T 346542mE, 4876709mN, 795ft AMSL.	0-30	30-41	'Ap' 10YR 4/4 sandy loam. 'Bt' 10YR 5/6 sand.	Negative
STP#04	SE Corner	0-32	32-42	'Ap' 10YR 4/4 sandy loam. 'Bt' 10YR 5/6 sand.	Negative
STP#05	SW Corner	0-33	33-40	'Ap' 10YR 4/4 sandy loam. 'Bt' 10YR 5/6 sand.	Negative
STP#06	Southwest Guy Anchor	0-32	32-40	'Ap' 10YR 4/4 sandy loam. 'Bt' 10YR 5/6 sand.	Negative
STP#07	North Guy Anchor	0-27	27-42	'Ap' 10YR 4/4 sandy loam. 'Bt' 10YR 5/6 sand.	Negative
STP#08	Southeast Guy Anchor	0-32	32-40	'Ap' 10YR 4/4 sandy loam. 'Bt' 10YR 5/6 sand.	Negative
STP#09	Access Road	0-30	30-41	'Ap' 10YR 4/4 sandy loam. 'Bt' 10YR 5/4 sand.	Negative

### **CONCLUSIONS AND RECOMMENDATIONS:**

This archaeological survey indicated that no historic properties are located within the proposed project location. There are no cultural resources or historic properties that would be directly impacted by the proposed cell tower project. Consequently, further archeological investigations are not recommended and the proposed tower will have “No Effect” on archeological resources within the area of direct effect. These findings are in compliance with Sections 106 and 110 of the National Historic Preservation Act.

An infallible technique to locate all cultural materials within a geographic area does not yet exist. This is especially true of deeply buried deposits. However, should any cultural, historical or paleontological be exposed as part of the proposed project activities, the responsible agency must be immediately notified in accordance with the Protection of Historic Properties regulations of the ACHP [36 CFR Part 800.13(b)]. Furthermore, if human remains are encountered, Wisconsin burial law §157.70 requires that all work in the vicinity of the finding be stopped, the remains protected from further disturbance. The notification of local law enforcement officials must be made and the Burials Sites Preservation Program contacted immediately at (608-264-6493). Archaeologists with the Wisconsin Historical Society (608-264-6493) are also available to consult on issues regarding accidental encounter of cultural resources.

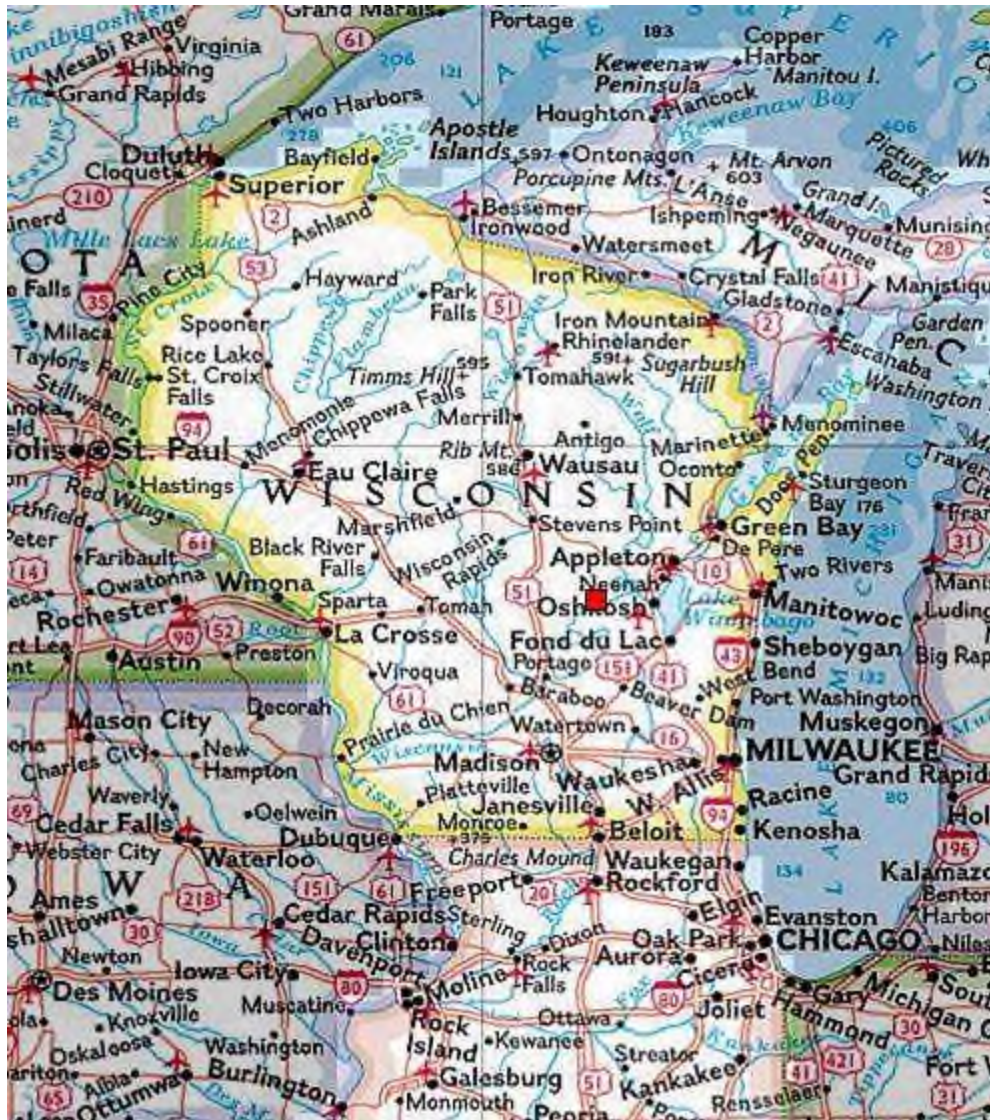
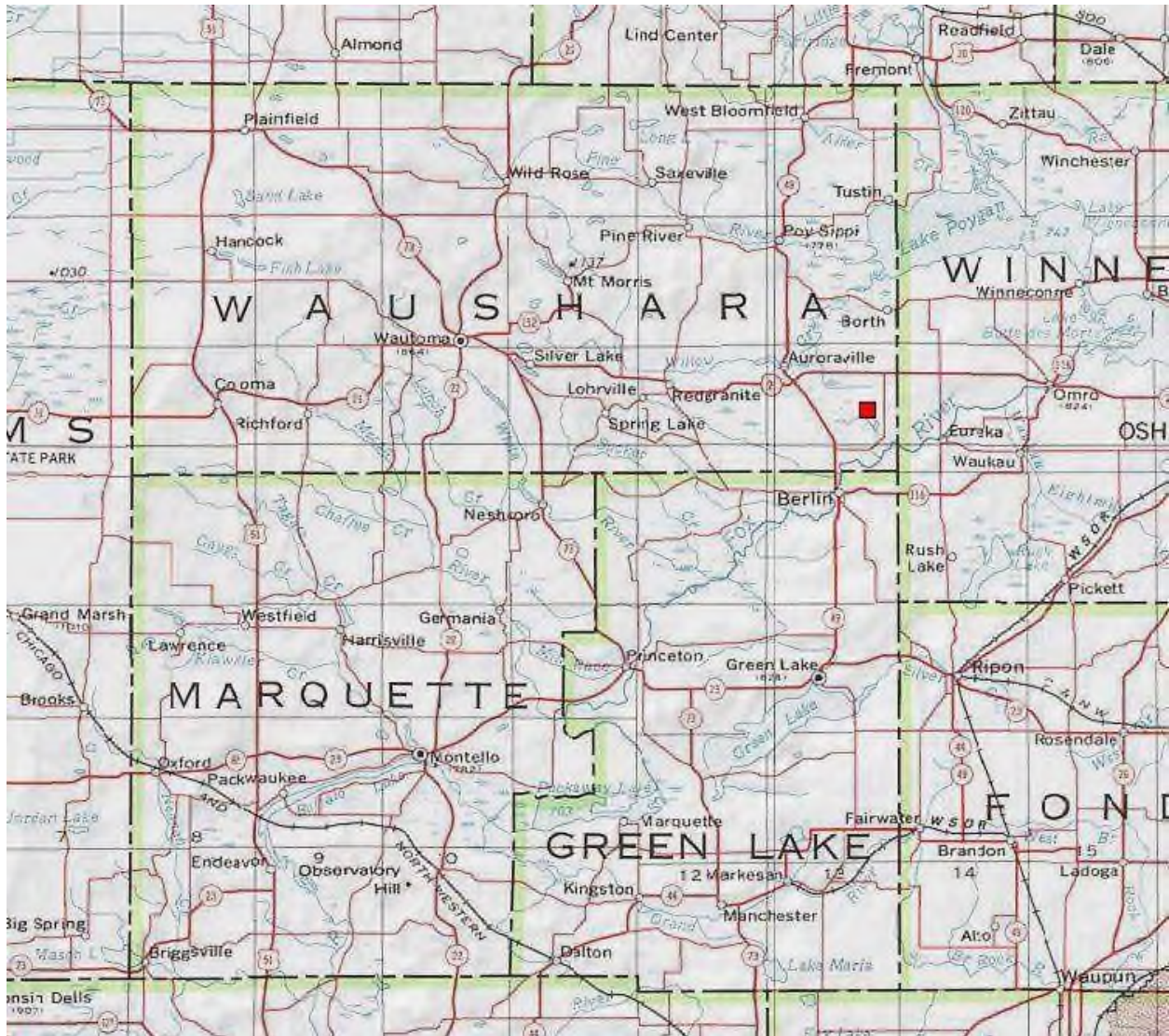


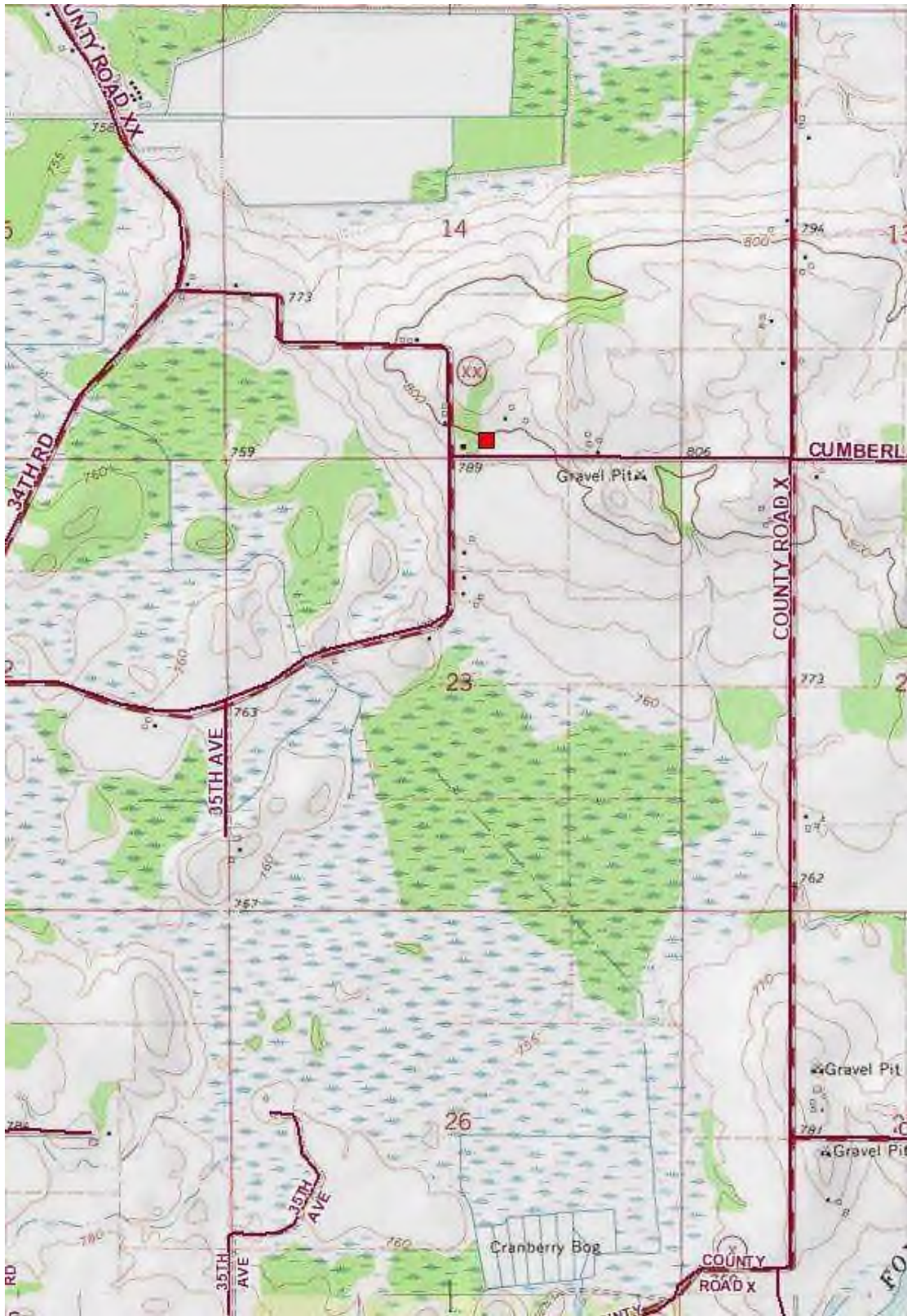
Figure 1. Statewide map of the rural Berlin, WI area displaying the location of the proposed tower project in red. Scale: 1-inch=80-miles.





**Figure 2. County-wide map of the proposed tower project location in red in rural Berlin, Wisconsin. Scale: 1-inch=6.8-miles. North is at the top.**



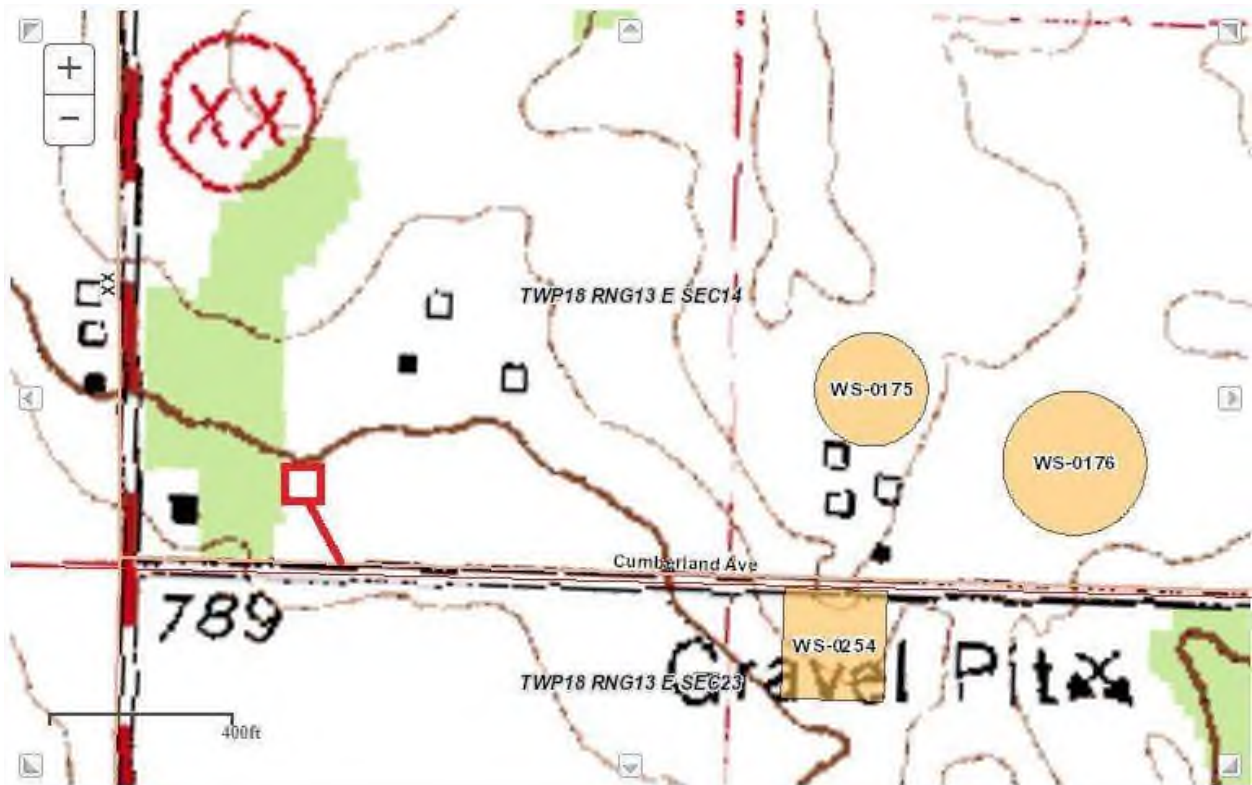


**Figure 3. Auroraville, WI 1939, 1: 24,000 USGS map displaying the proposed project area in red (NTS). Scale: 1-inch=.38-miles. North is at the top.**





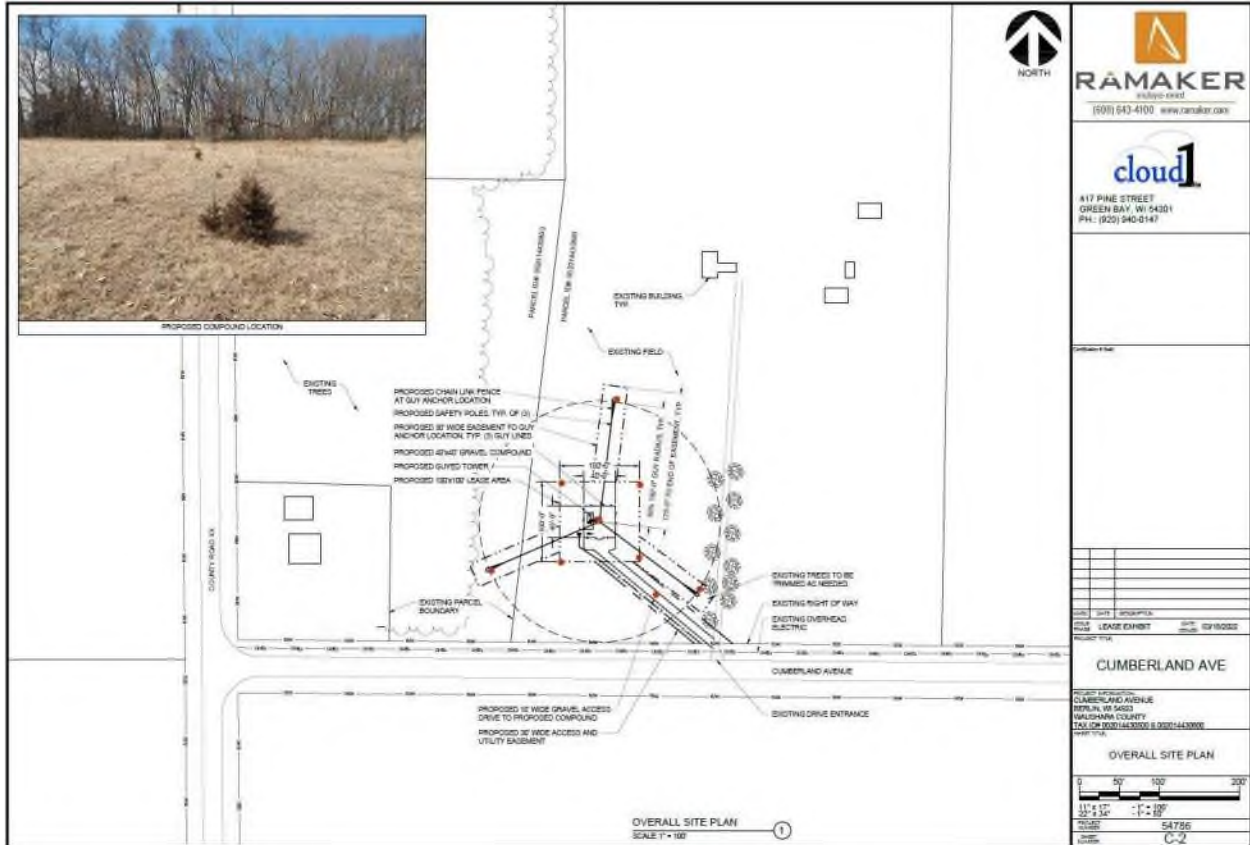
Figure 4. Auroraville, WI 1993, 1: 24,000, scaled 400% USGS map displaying the proposed project area in red (NTS). Scale: 1-inch=600ft. North is at the top.



**Figure 5. ASI map depicting previously recorded archaeological sites and surveys in relation to the proposed tower project in red (NOT FOR PUBLIC DISCLOSURE).**



Figure 6. Site plan of the proposed tower compound and access road/utility easement.



**Figure 7. Site plan of the proposed tower compound and access road/utility easement with shovel tests in red.**





**Photograph 1. View north from the tower lease area.**





**Photograph 2. View northeast from the tower lease area.**



**Photograph 3. View east from the tower lease area.**



**Photograph 4. View southeast from the tower lease area.**





**Photograph 5. View south from the tower lease area.**



**Photograph 6. View southwest from the tower lease area.**





**Photograph 7. View west from the tower lease area.**



**Photograph 8. View northwest from the tower lease area.**



**Photograph 9. View towards the tower lease area from the north guy anchor.**



**Photograph 10. View towards the tower lease area from the southwest guy anchor.**





**Photograph 11. View towards the tower lease area from the southeast guy anchor.**





**Photograph 12. View east along Cumberland Avenue from the ingress/egress.**



**Photograph 13. View west along Cumberland Avenue from the ingress/egress.**



**Photograph 14. View of the ingress/egress from Cumberland Avenue.**





**Photograph 15. Shovel test in the center of the tower lease area.**

**ARCHAEOLOGICAL REPORTS INVENTORY FORM**

WHS PROJECT # COUNTY Waushara  
AUTHORS: Randy Dickson

REPORT TITLE: **PHASE I ARCHAEOLOGICAL SURVEY IN RESPONSE TO A PROPOSED CELL TOWER (WI22069-6422) LOCATED AT CUMBERLAND AVENUE AND COUNTY ROAD XX IN RURAL BERLIN, WISCONSIN**

DATE OF REPORT (MONTH AND YEAR): 4/2022

SERIES/NUMBER: 2833

PLACE OF PUBLICATION: limited circulation, privately published by Midwest Archaeological Consultants.

LOCATIONAL INFORMATION [LEGAL DESCRIPTION OF SURVEY AREA (T-R-S)]  
Township 18N, Range 13E Section 14, SW1/4, SE1/4.

U.S.G.S. QUAD MAP(S): Auroraville, WI

SITE(S) INVESTIGATED: none

ACRES INVESTIGATED: 1 AGENCY # FCC

**INVESTIGATION TECHNIQUES COMPLETED (Check all that apply.)**

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Historical Research                       | <input checked="" type="checkbox"/> Surface Survey   | <input type="checkbox"/> Geomorphology         |
| <input type="checkbox"/> Interview/Informant                       | <input type="checkbox"/> Soil Core                   | <input type="checkbox"/> Underwater            |
| <input type="checkbox"/> Records/Background                        | <input type="checkbox"/> Walk Over/Visual Inspection | <input type="checkbox"/> Avocational Survey    |
| <input checked="" type="checkbox"/> Literature Background Research | <input type="checkbox"/> Mechanical Stripping        | <input type="checkbox"/> Chance Encounter      |
| <input type="checkbox"/> Traditional Knowledge                     | <input type="checkbox"/> Test Excavation/Phase II    | <input type="checkbox"/> Osteological Analysis |
| <input type="checkbox"/> Monitoring                                | <input type="checkbox"/> Major Excavation/Phase III  | <input type="checkbox"/> Faunal Analysis       |
| <input checked="" type="checkbox"/> Shovel Testing/Probing         | <input type="checkbox"/> Remote Sensing              | <input type="checkbox"/> Floral Analysis       |

ABSTRACT:  Included in report  Written in space below

*Office of the State Archaeologist*





April 22, 2022

**TO: WISCONSIN SHPO  
INTERESTED THPOS/NHOS**

**SUBJECT: INDIRECT APE SUMMARY & RECONNAISSANCE REVIEW**

**SITE: CUMBERLAND AVE (SITE NUMBER: WI22069-6422)  
CUMBERLAND AVENUE  
BERLIN, WAUSHARA COUNTY, WISCONSIN 54923  
RAMAKER & ASSOCIATES, INC. PROJECT NUMBER: 54786**

Dear Dr. Eisenberg:

Ramaker & Associates, Inc. (Ramaker) was retained by Cloud 1 Services, LLC (Cloud 1) to complete a NEPA and Section 106 review of a proposed antenna and equipment installation at a proposed 300-foot guyed tower (overall height with appurtenances of 304 feet). Ramaker and Cloud 1 have opined that the proposed activities do not qualify for any categorical exclusions from review under Section 106 of the National Historic Preservation Act (NHPA) set forth in the Federal Communication Commission's (FCC's) Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the FCC (Nationwide Agreement) nor the Nationwide Programmatic Agreement for Collocations or the FCC's March 8, 2015 "Report & Order." Thus, a Section 106 submittal is required on behalf of the proposed Cloud 1 undertaking. The purpose of this report is to document the potential for effect to the project's Direct and Indirect Areas of Potential Effect (APEs). The curriculum vitae for the Principal Investigators involved in the preparation of this submittal have been included in Attachment A of the attached FCC Form 620.

The proposed activity is located along Cumberland Avenue in Berlin, Waushara County, Wisconsin. The property is further identified as being located in the Southeast ¼ of Section 14, Township 18 North, Range 13 East. The location of the property is depicted on the attached Auroraville, Wisconsin Quadrangle. The project is also identified as being located at 44° 1' 38.65" North and 88° 54' 53.57" West. The locations of the site, site photographs, and appropriate Area of Potential Effect (APE) maps have been included in Attachment B of the attached FCC Form 620.

#### **GENERAL PROJECT SUMMARY**

The property is an approximately 100-foot by 100-foot area and is currently vacant land. The proposed development includes construction of a guyed tower and the installation of telecommunications equipment within a fenced compound. The compound was designed to be suitable for additional equipment cabinets. Utilities will be routed underground from the Cumberland Avenue right-of-way to the property within the proposed shared access and utility easement. Access to the property will be from Cumberland Avenue along the existing and proposed gravel access drive within the easement. Additional site development details are included in the attached figures.

The property was historically utilized for agriculture dating back to 1960 and became vacant land by 1982. The surrounding area is currently characterized by wooded and agricultural lands with scattered farmsteads located along neighboring roadways.

#### **INDIRECT APE EVALUATION**

The Area of Potential Effect (APE) for visual effects is the geographic area in which the Undertaking has the potential to introduce visual elements that diminish or alter the setting, including the landscape, where the setting is a character-defining feature of a Historic Property that makes it eligible for listing on the National Register of Historic Places (NRHP). As authorized by Section VI (C) of the Nationwide

April 22, 2022

Programmatic Agreement, Ramaker determined that the APE for visual effects for this project will be limited to an area within a three-quarter mile radius of the project site. Ramaker completed research using the SHPO's GIS database and then completed a "window survey" of the Indirect APE so as to consider any sites that were previously unreported or potentially eligible for the NRHP. In addition, Ramaker is in the process of consulting with the Town of Aurora, the Waushara County Planning and Zoning Committee and the Waushara County Historical Society. Lastly, Ramaker is in the process of soliciting public comments through the filing of public notice in the local newspaper. These activities are being completed so as to further identify any properties that had not been previously considered.

As part of the Indirect APE review, Ramaker complied with Section VI.D.1.a of the Nationwide Agreement which specifically notes,

*Except to identify Historic Properties of religious and cultural significance to Indian tribes and NHOs, Applicants shall identify Historic Properties within the APE for visual effects by reviewing the following records. Applicants are required to review such records only to the extent they are available at the offices of the SHPO/THPO or can be found in publicly available sources identified by the SHPO/THPO. With respect to these properties, Applicants are not required to undertake a Field Survey or other measures other than reviewing these records in order to identify Historic Properties:*

- i. Properties listed in the National Register;*
- ii. Properties formally determined eligible for listing by the Keeper of the National Register;*
- iii. Properties that the SHPO/THPO certifies are in the process of being nominated to the National Register;*
- iv. Properties previously determined eligible as part of a consensus determination of eligibility between the SHPO/THPO and a Federal Agency or local government representing the Department of Housing and Urban Development (HUD); and*
- v. Properties listed in the SHPO/THPO Inventory that the SHPO/THPO has previously evaluated and found to meet the National Register criteria, and that are identified accordingly in the SHPO/THPO Inventory.*

This research identified no historic (Landmark, Nation Register-Eligible, etc.) features as being located within the Indirect APE. Therefore, when considering the potential for effect, Ramaker has opined that the proposed undertaking would result in "No Effect" to the Indirect APE.

#### **FINDINGS**

Based on our findings, Ramaker has concluded that the proposed Cloud 1 activities will have "**No Effect**" to the Indirect APE.

If you have any questions or comments, please do not hesitate to contact our office.

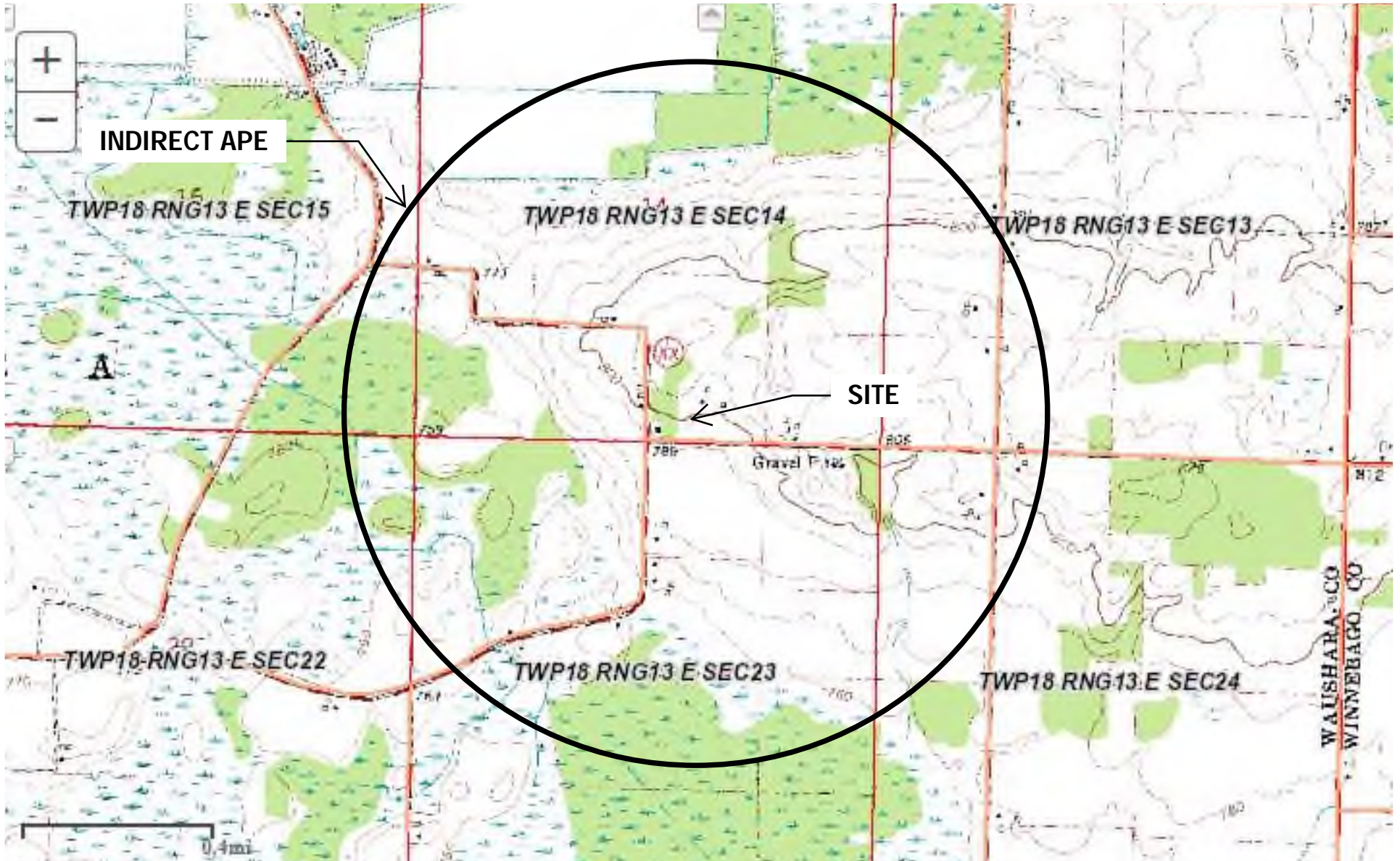
Sincerely,

RAMAKER & ASSOCIATES, INC.




Elliott York, Environmental Specialist

Attached: Indirect APE (Viewshed) Map



Indirect Effect APE Depicting Three-Quarter Mile Search Radius


 Cumberland Ave (WI22069-6422)  
 Cumberland Avenue  
 Berlin, Wisconsin 54923  
 Waushara County


 RAMAKER  
 employee-owned

NOT TO SCALE





Certification & Seal

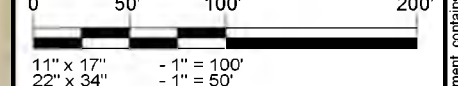
MARK	DATE	DESCRIPTION

ISSUE/PHASE	DATE ISSUED
LEASE EXHIBIT	03/18/2022

PROJECT TITLE:  
**CUMBERLAND AVE**

PROJECT INFORMATION:  
 CUMBERLAND AVENUE  
 BERLIN, WI 54923  
 WAUSHARA COUNTY  
 TAX ID # 002014430500 & 002014430800

SHEET TITLE:  
**OVERALL SITE PLAN WITH AERIAL**



**OVERALL SITE PLAN W/ AERIAL PHOTO** ①  
 SCALE: 1" = 100'

PROJECT NUMBER: 54786  
 SHEET NUMBER: C-1










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

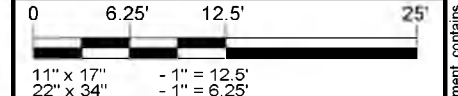
Contractor & Self

MARK	DATE	DESCRIPTION
ISSUE PHASE	LEASE EXHIBIT	DATE ISSUED 03/18/2022

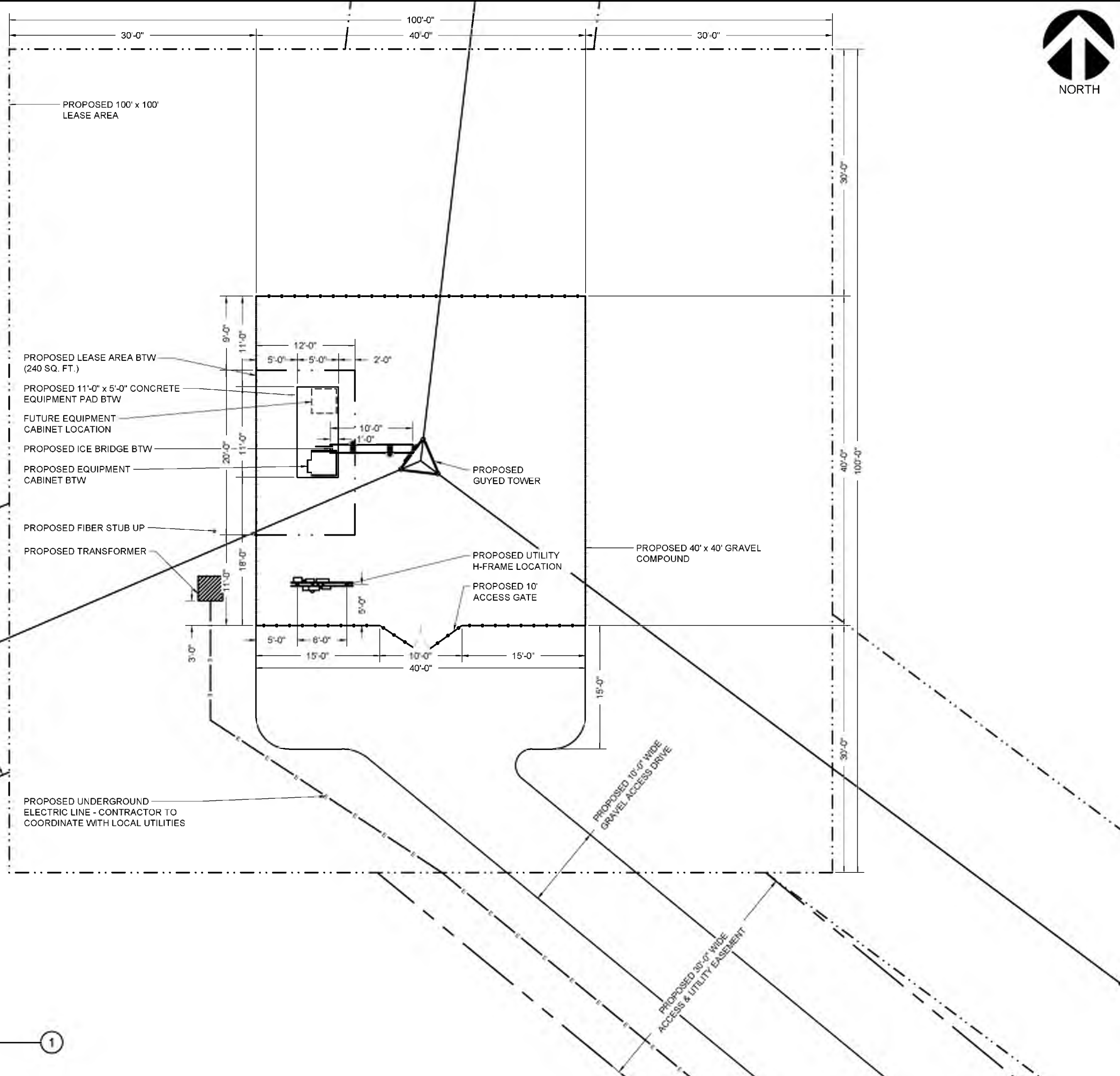
PROJECT TITLE:  
**CUMBERLAND AVE**

PROJECT INFORMATION:  
 CUMBERLAND AVENUE  
 BERLIN, WI 54923  
 WAUSHARA COUNTY  
 TAX ID# 002014430500 & 002014430800

SHEET TITLE:  
**SITE PLAN**

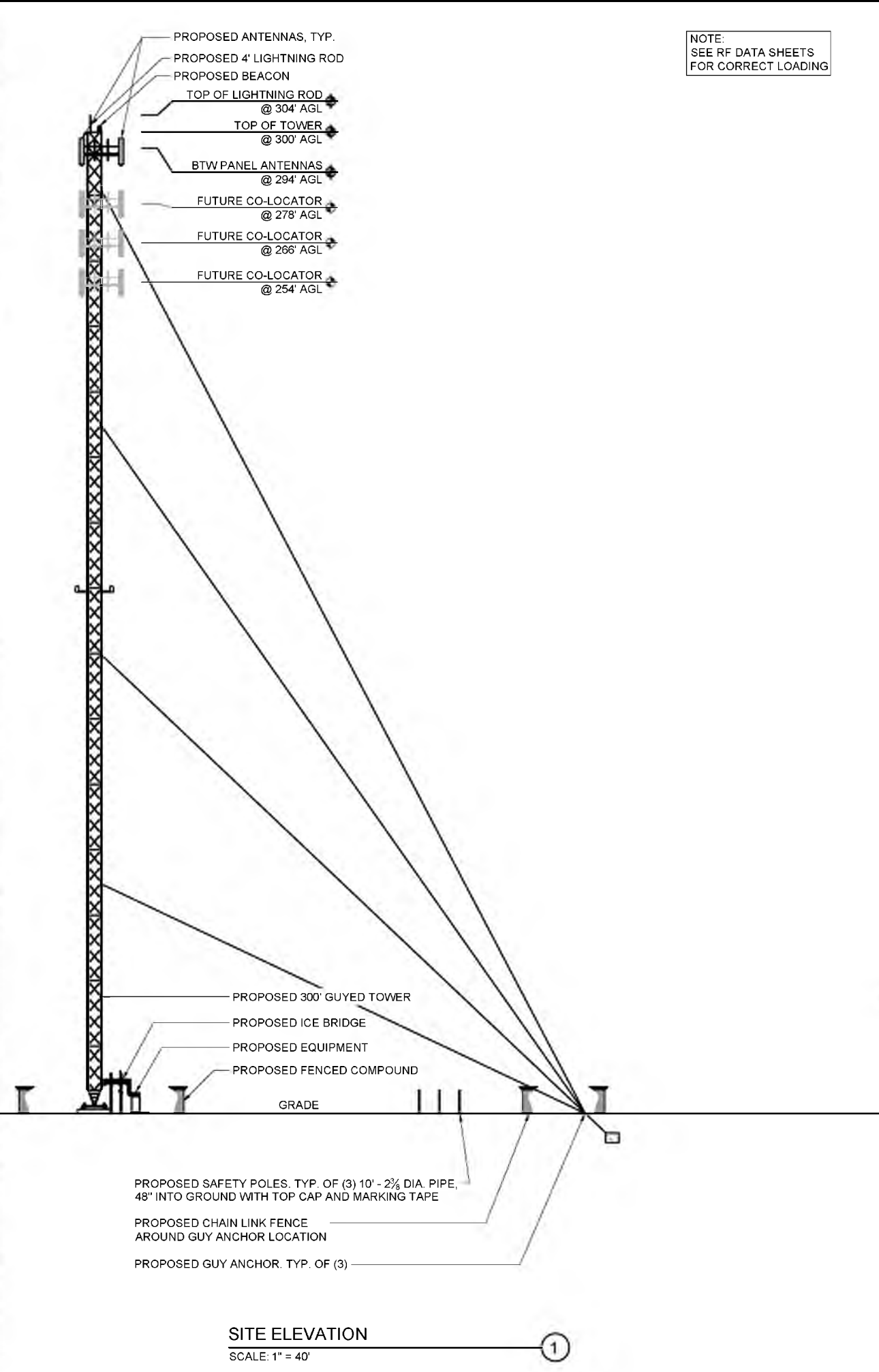


PROJECT NUMBER: **54786**  
 SHEET NUMBER: **C-3**

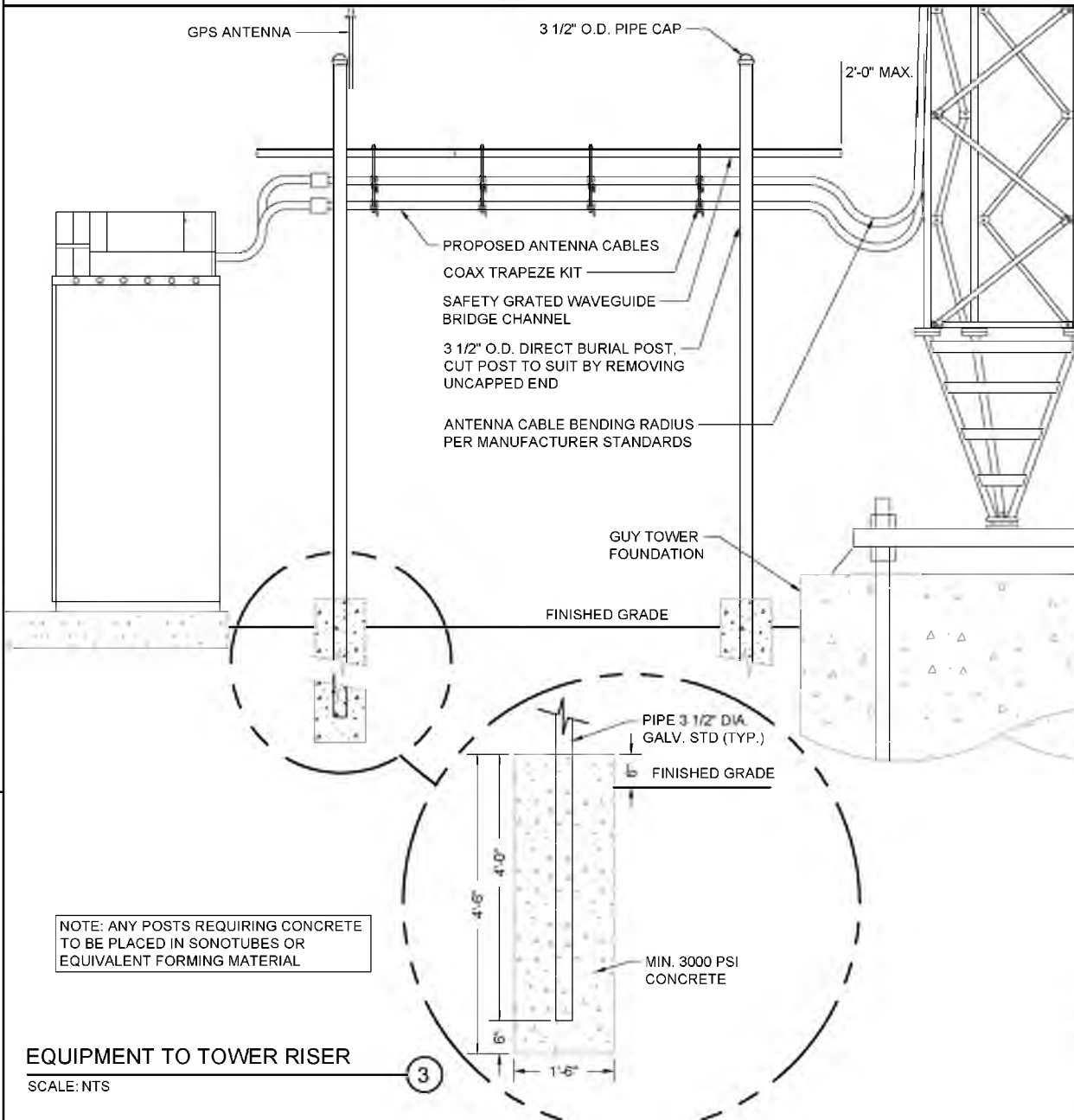
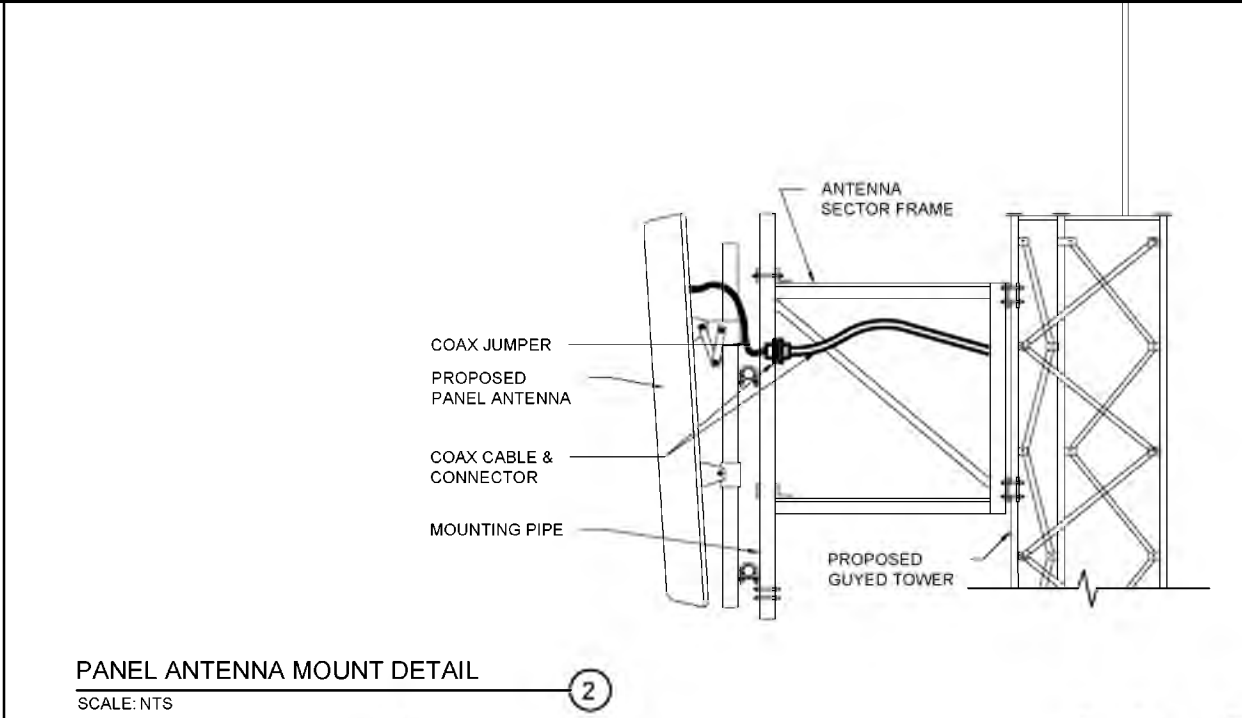


**SITE PLAN**  
 SCALE: 1" = 12.5'

1



NOTE:  
 SEE RF DATA SHEETS  
 FOR CORRECT LOADING



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

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

Contractor & Self

MARK	DATE	DESCRIPTION
ISSUE PHASE	LEASE EXHIBIT	DATE ISSUED 03/18/2022

MARK	DATE	DESCRIPTION
ISSUE PHASE	LEASE EXHIBIT	DATE ISSUED 03/18/2022

PROJECT TITLE:  
**CUMBERLAND AVE**

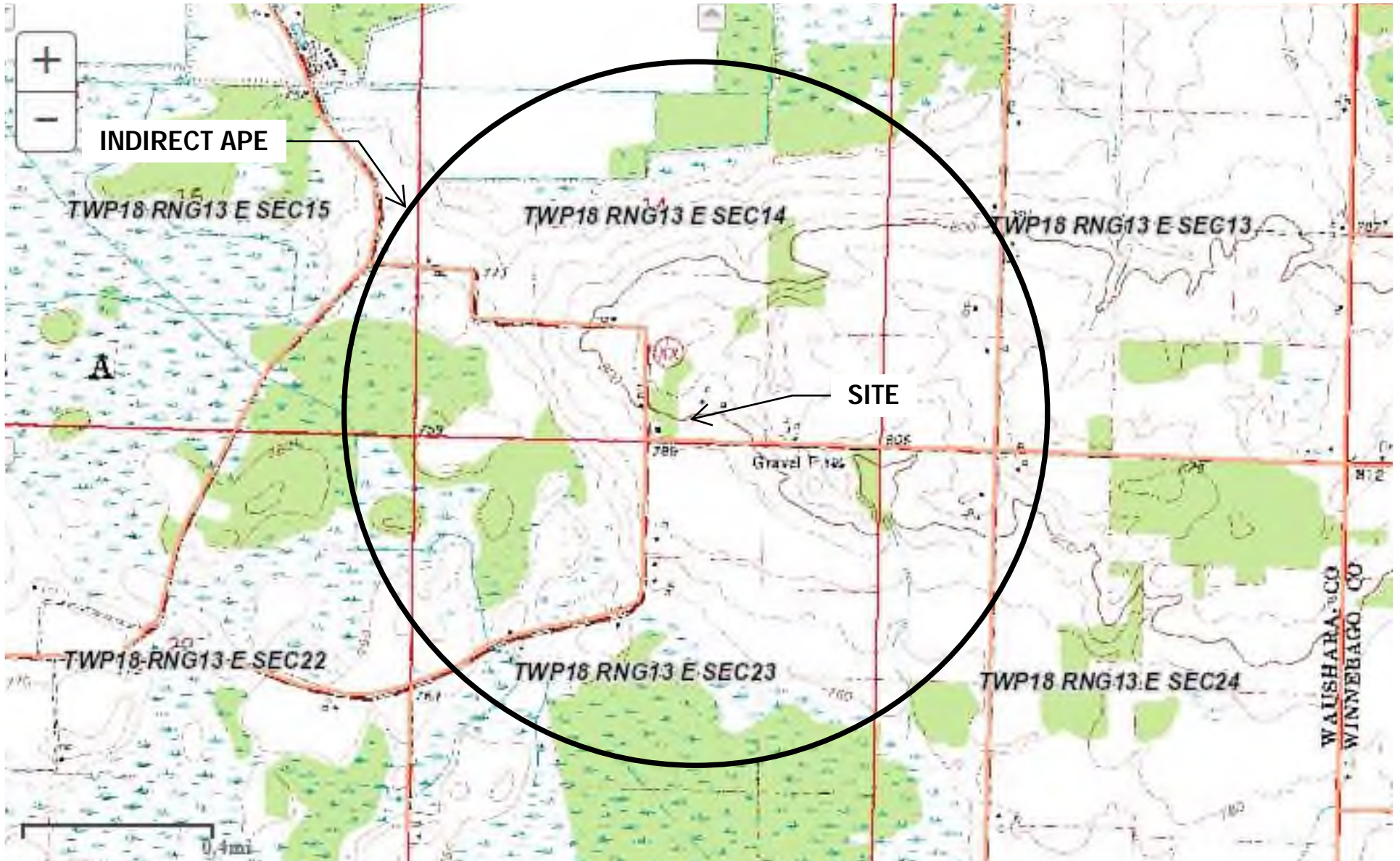
PROJECT INFORMATION:  
 CUMBERLAND AVENUE  
 BERLIN, WI 54923  
 WAUSHARA COUNTY  
 TAX ID# 002014430500 & 002014430800

**SITE ELEVATION**


11" x 17" - 1" = 40'  
 22" x 34" - 1" = 20'

PROJECT NUMBER: 54786  
 SHEET NUMBER: C-4





Indirect Effect APE Depicting Three-Quarter Mile Search Radius

  
 Cumberland Ave (WI22069-6422)  
 Cumberland Avenue  
 Berlin, Wisconsin 54923  
 Waushara County

  
 RAMAKER  
 employee-owned

NOT TO SCALE



**FEDERAL COMMUNICATIONS COMMISSION**  
**Wireless Telecommunications Bureau**  
**1270 Fairfield Road**  
**Gettysburg, PA 17325-7245**

**NOTICE OF ORGANIZATION(S) WHICH WERE SENT  
PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION**

CLOUD 1 SERVICES, LLC - CUMBERLAND AVE (WI22069-6422);  
JOB # 54786  
SANDRA WEISS  
855 COMMUNITY DRIVE  
SAUK CITY, WI 53583

Date: 04/22/2022  
Reference Number:

Dear Applicant:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the notification that you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter). We note that the review period for all parties begins upon receipt of the Submission Packet pursuant to Section VII.A of the NPA and notifications that do not provide this serve as information only.

Persons who have received the notification that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribal Nations"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribal Nations and NHOs and in making further contacts, the City and State of the Seat of Government for each Tribal Nation and NHO, as well as the designated contact person, is included in the listing below. We note that Tribal Nations may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribal Nations and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribal Nation or NHO. (NPA, Section IV.F.4).

The notification that you provided was forwarded to the following Tribal Nations and NHOs. A Tribal Nation or NHO may not respond until a full Submission Packet is provided. If, upon receipt, the Tribal Nation or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribal Nation or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event a Tribal Nation or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribal Nation or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Second Report and Order released on March 30, 2018 (FCC 18-30).

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1. THPO - Merle Marks - Crow Creek Sioux Tribe - (PO Box: 286) - Ft Thompson, SD - cchistory@midstatesd.net - 605-245-2221 - electronic mail

Details: The Crow Creek Sioux Tribe has no interest in collocation projects. The Crow Creek Sioux Tribe requests the following states be removed from our geographic areas of interest, Arkansas , Virginia , South Carolina , Ohio , North Carolina, Michigan, Illinois

2. Cultural Resources Consultant - Brian Molyneaux - Lower Brule Sioux Tribe - 187 Oyate Circle - Lower Brule, SD - lowerbrulecro@gmail.com - 605-473-8000 - electronic mail

3. Section 106 Compliance Coordinator - Benjamin Young - Rosebud Sioux Tribe - 227 N. B.I.A. 9 Soldier Creek Rd.(PO Box: 809) - Rosebud, SD - benjamin1011young@gmail.com - 605-747-4255 - electronic mail and regular mail  
Details: Please send an archaeological survey or site inventory/map for the area within 1 mile of the APR for Pre-construction, collocation projects, and PTC Poles. The request gives the tribe an opportunity to comment on past projects that are now proposed as collocation projects. The Rosebud Sioux Tribe requests the legal description of the proposed site(township, range, section and topo map name). The RST requests a chronology if sites are within the 1-mile radius of the APE. The RST requests info of the Native American tribes identified having traditional use within the 1-mile radius of the APE. Ethnographic reports for the RST are requested. The RST may request a site visit for areas of significance to the tribe's history. PLEASE SEND ONLY HARD COPIES OF REPORTS BY MAIL. DO NOT EMAIL REPORTS. The Rosebud Sioux Tribe THPO at PO Box 809, Rosebud, S.D. 57570. ATTN: Ben Young and/or Bernadette Emery. Please include the TCNS number on all correspondence. Any questions call or email: Ben Young-Primary at benjamin1011young@gmail.com, 6057474255. Secondary-Bernadette Emery at bernadette.emery@rst-nsn.gov, 6057474255.

4. TCNS Compliance Reviewer - Alicia Cloud - Sisseton-Wahpeton Oyate of the Lake Traverse Reservation - (PO Box: 907) - Sisseton, SD - SWO\_TCNS@swo-nsn.gov; virginia.m.w.oboyle@gmail.com - 605-698-3584 - electronic mail  
Details: The Sisseton Wahpeton Oyate Nation requirement for consultation is digitally through our departmental website. Our website is <http://sisseton.heritageconsultation.com>

We do not accept mailed paper or emailed digital submissions of project material. To speed up our response time and to be in compliance with our environmental practices, we do not accept paper submissions. All proposed projects must be processed through our website. Multiple people in our department need access to the project files and department notes to be able to do their work on the project. For organization, documentation, and financial regulation, all Section 106 project compliance work is archived in our system.

Just as the majority of State Historic Preservation Offices elect to have companies submit their proposed project directly to their office in the format they require, as a sovereign nation, we have the right to ask for the same courtesy.

We require that you submit Form 620 or 621, complete with all of its attachments to our website.

It would expedite the process of getting your project into compliance if you would wait and submit your proposed project to our department when Form 620/621 and all of its attachments are ready - particularly the complete cultural resource



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report. We waste quite a bit of time contacting companies and searching for the Form 620/621 if the proposed project is submitted to us with only a dot on the map.

If you have any questions or need more information please contact FCC specialist Alicia Cloud at SWO\_TCNS@swo-nsn.gov and 605-698-8306, or THPO Dianne Desrosiers at dianned@swo-nsn.gov and 605-698-8225.

5. THPO - Thomas Parker - Omaha Tribe of Nebraska - (PO Box: 368) - Macy, NE - tparker@theomahatribe.com - 402-837-5391 - electronic mail

Details: Please note we have updated procedures. Please email us at Omahatribefctns@outlook.com

6. Tribal Historic Preservation Office - Misty Flowers - Santee Sioux Nation of Nebraska - 425 Frazier Ave N Ste 2 - Niobrara, NE - ssn.thpo@gmail.com - 402-857-2302 - electronic mail

7. CPD/THPO - Interim THPO Staff \_ - Winnebago Tribe of Nebraska - P.O. Box 687 - Winnebago, NE - thpo@winnebagoTribe.com - 402-878-3313 - electronic mail

8. Tribal Historical Cultural Preservation Officer - Thomas Wabnum - Prairie Band Potawatomi Nation - Government Center 16281 Q Road - Mayetta, KS - thomaswabnum@pbnation.org; jrjw@pbnation.org - 785-966-4013 - electronic mail and regular mail

If the applicant/tower builder receives no response from the Prairie Band Potawatomi Nation within 30 days after notification through TCNS, the Prairie Band Potawatomi Nation has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Prairie Band Potawatomi Nation in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

9. Tribal Historic Preservation Officer - Elsie Whitehorn - Otoe-Missouria Tribe of Indians - 8151 Highway 177 - Red Rock, OK - tcns@omtribe.org; ewhitehorn@omtribe.org - 580-723-4434 (ext: 202) - electronic mail

10. THPO - Liana Hesler - Ponca Tribe of Indians of Oklahoma - 121 White Eagle Drive - Ponca City, OK - liana.hesler@ponca-nsn.gov; shesler.thpo@gmail.com - 580-382-6633 - electronic mail and regular mail

11. TCNS Director - Iowa Tribe - Iowa Tribe of Oklahoma - 222 E. Grand Suite 313 - Ponca City, OK - iowatribetns@gmail.com; iowatribetns@gmail.com - 405-443-7531 - electronic mail

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12. NAGPRA Representative - Pamela Wesley - Kickapoo Tribe of Oklahoma - (PO Box: 70) - McLoud, OK - pamwesley@okkt.net - 405-964-4227 - electronic mail and regular mail

13. THPO - Benjamin Ridgley - Northern Arapaho - 1010 Railroad Ave (PO Box: 67) - St. Stephens, WY - archtech.nathpo@gmail.com; pejuta.villa@northernarapaho.com - 307-856-1628 - electronic mail  
Details: PLEASE SEND AN ARCHAEOLOGICAL SURVEY OR SITE INVENTORY/MAP FOR THE AREA WITHIN 1 MILE OF THE APE FOR PRE-CONSTRUCTION, COLLOCATION PROJECTS AND PTC POLES. The request gives the tribe an opportunity to comment on past projects that are now proposed as collocation projects.

Email reports to: archtech.nathpo@gmail.com

Please include the TCNS number on all correspondence, reports, maps.

ANY QUESTIONS CALL OR EMAIL:

Benjamin Ridgley  
3078561628  
benjamin.ridgley@northernarapaho.com

Crystal C'Bearing  
crystal.cbearing@northernarapaho.com

14. Historic Preservation Director - Johnathan Buffalo - Sac & Fox Tribe of the Mississippi in Iowa - 349 Meskwaki Road - Tama, IA - sp.historical@meskwaki-nsn.gov - 641-484-3185 - electronic mail and regular mail

15. Acting THPO - Brian Bisonette - Lac Courte Oreilles Band of Lake Superior Chippewa Indians of Wisconsin - 13394 West Trepania Road, Bldg. No. 1 - Hayward, WI - brian.bisonette@lco-nsn.gov - 715-634-0102 - electronic mail

16. Cultural Resources Director - Alden Connor - Keweenaw Bay Indian Community - 16429 Beartown Road . - Baraga, MI - gloonsfoot@kbic-nsn.gov - 906-353-4278 - electronic mail and regular mail

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17. Tribal Historic Preservation Officer - Matthew Bussler - Pokagon Band of Potawatomi Indians - 58620 Sink Road (PO Box: 180) - Dowagiac, MI - Matthew.Bussler@pokagonband-nsn.gov - 269-462-4316 - electronic mail

If the applicant/tower builder receives no response from the Pokagon Band of Potawatomi Indians within 30 days after notification through TCNS, the Pokagon Band of Potawatomi Indians has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Pokagon Band of Potawatomi Indians in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

18. Tribal Archaeologist/THPO - Kade Ferris - Red Lake Band of Chippewa Indians of Minnesota - 24200 Council Street (PO Box: 274) - Red Lake, MN - redlakethpo@gmail.com; kade.ferris@redlakenation.org - 218-679-1691 - electronic mail

Details: The Red Lake THPO is not interested in participating in pre-construction review on projects where the proposed antenna or tower will be collocated on an existing tower, building, or other structure, or where the proposed tower will be constructed on already disturbed land (e.g. a parking lot).

All other projects that will involve new construction in areas not previously constructed or disturbed will require the submission of archaeological file searches, reports, maps, and other information that will allow for adequate review of the project against the Red Lake Nation CRM/archaeological database.

Information can be emailed to: redlakethpo@gmail.com

Review of archaeological information and other information for new construction will be reviewed within 30-days and a response issued via email. A cost of \$200 (aggregated/average amount) will be assessed for these reviews to offset time spent on review.

Questions can be sent by email to: kade.ferris@redlakenation.org. [do not send archaeological information to this email address]

If the applicant/tower builder receives no response from the Red Lake Band of Chippewa Indians of Minnesota within 30 days after notification through TCNS, the Red Lake Band of Chippewa Indians of Minnesota has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Red Lake Band of Chippewa Indians of Minnesota in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

19. THPO - Alina Shively - Lac Vieux Desert Band of Lake Superior Chippewa Indians - E23857 Poplar Circle (PO Box: 249) - Watersmeet, MI - alina.shively@lvd-nsn.gov - 906-358-0137 - electronic mail

Details: The Lac Vieux Desert Band of Lake Superior Chippewa Indians' Tribal Historic Preservation Office (THPO) requires the following documentation to complete a NHPA Section 106 Review:

- 1) A Cultural Resources Survey (CRS) of the Area of Potential Effect (APE) for any newly constructed towers, including any archaeological sites, water sources, and Cultural Resources documented within a one (1) mile radius of the APE.

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- 2) A detailed map of the project APE, showing detail of where ground disturbing activities will occur.
- 3) GPS coordinates (Latitude/Longitude) and legal description of the project APE.
- 4) For collocations, an explanation of Cultural Resources that were located during initial CRS or archaeological survey, within the APE and within a one (1) mile radius of the project location.
- 5) If all requested information is not received upon initial notice, the 30 day clock stops until the Lac Vieux Desert Band of Chippewa Indians' THPO receives all requested documentation to perform the Section 106 consultation/review.
- 6) If additional research, site visits, or any additional work by traditional, cultural experts, the applicant/tower builder will be charged for these expenses.
- 7) Inadvertent discovery protocols for Cultural Resources and/or burials discovered during ground disturbing activities must be conveyed to construction and contracted personnel. Should Cultural Resources or burials be inadvertently discovered, please cease work and immediately contact the Lac Vieux Desert Band of Lake Superior Chippewa Indians' Tribal Historic Preservation Office by phone or email.

20. THPO - Noah White - Prairie Island Indian Community - 5636 Sturgeon Lake Road - Welch, MN - celltower@piic.org - 651-385-4175 - electronic mail

If the applicant/tower builder receives no response from the Prairie Island Indian Community within 30 days after notification through TCNS, the Prairie Island Indian Community has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Prairie Island Indian Community in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

21. THPO - Samantha Odegard - Upper Sioux Community of Minnesota - 5722 Travers Lane (PO Box: 147) - Granite Falls, MN - THPO@uppersiouxcommunity-nsn.gov; THPO@uppersiouxcommunity-nsn.gov - 320-564-3853 (ext: 6334) - electronic mail

22. THPO - Edith Leoso - Bad River Band of Lake Superior Tribe of Chippewa Indians - (PO Box: 39) - Odanah, WI - thpo@badriver-nsn.gov; THPOAsst@badriver-nsn.gov - 715-682-7123 - electronic mail

If the applicant/tower builder receives no response from the Bad River Band of Lake Superior Tribe of Chippewa Indians within 30 days after notification through TCNS, the Bad River Band of Lake Superior Tribe of Chippewa Indians has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Bad River Band of Lake Superior Tribe of Chippewa Indians in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

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23. Tribal Historic Preservation Officer - William Quackenbush - Ho-Chunk Nation - (PO Box: 667) - Black River Falls, WI - bill.quackenbush@ho-chunk.com - 715-284-7181 (ext: 1121) - electronic mail

24. THPO - Marvin DeFoe - Red Cliff Band of Lake Superior Chippewa Indians of Wisconsin - 88455 Pike Road, HWY 13 - Bayfield, WI - Marvin.DeFoe@redcliff-nsn.gov; Edwina.Buffalo-Reyes@redcliff-nsn.gov - 715-779-3700 (ext: 4242) - electronic mail

Details: Boozhoo, we do not have the Red Cliff Portal site online anymore and apologize for the inconvenience.

If you have a project that has already been paid for or would like to voluntarily pay for, please email documents for project review to THPO@redcliff-nsn.gov. This address is only to be used by Consultants who are voluntarily paying for projects.

If you have any questions, please contact Marvin Defoe, THPO Manager at (715) 779-3700 Ext. 4244 or Edwina Buffalo-Reyes, THPO Assistant at (715) 779-3700Ext. 4243.

25. Tribal Historic Preservation Officer - Cassandra Graikowski - Sokaogon Chippewa Community - 3051 Sand Lake Road - Crandon, WI - cassandra.graikowski@scc-nsn.gov; thpo@scc-nsn.gov - 715-522-0757 - electronic mail

If the applicant/tower builder receives no response from the Sokaogon Chippewa Community within 30 days after notification through TCNS, the Sokaogon Chippewa Community has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Sokaogon Chippewa Community in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

26. THPO - Diane Hunter - Miami Tribe of Oklahoma - (PO Box: 1326) - Miami, OK - swillard@miamination.com - 918-541-1390 - electronic mail

27. THPO Dept - Rhonda Hayworth - Ottawa Tribe of Oklahoma - (PO Box: 110) - Miami, OK - ottawatcns.oto@gmail.com - 918-540-1536 - electronic mail

28. THPO - Sherri Clemons - Wyandotte Nation - 64700 E, Hwy 60 - Wyandotte, OK - sclemons@wyandotte-nation.org - 918-678-6344 - electronic mail

Details: Please refrain from sending information via mail. We ONLY accept information via email to: sclemons@wyandotte-nation.org. We will advise if we require additional information.

29. Cell t - Kim Jumper - Shawnee Tribe - 29 South 69A Highway - Miami, OK - tcns@shawnee-tribe.com - 918-542-2441 - electronic mail



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30. THPO - Jonathan Windy Boy - Chippewa Cree Tribe of the Rocky Boy's Reservation - 9740 Upper Box Elder Road (PO Box: 230) - Box Elder, MT - jonathan.windyboy@nei-yahw.com; falene.russette@nei-yahw.com - 406-395-4700 - electronic mail

Details: The Chippewa Cree Tribe performs its reviews of FCC undertakings and projects through its arrangement with I Response; a Tribally-owned enterprise. Please send all of your Forms 620 and Forms 621 to I Response at <http://app.iresponse106.com/>. The reviews will begin once all the required documentation has been received at <http://app.iresponse106.com/>. If the qualified and professional reviewers determine that additional information is required, or that field work is required, they will contact you through the I Response system and through TCNS. If the Tribe determines that the proposed project will have an effect on historic properties and/or Tribal religious and cultural sites or properties, we will provide notice to the project proponent and to the FCC.

31. THPO - Sarah Thompson - Lac du Flambeau Band of Lake Superior Chippewa Indians - Tribal Historic Preservation Office (PO Box: 67) - Lac du Flambeau, WI - ldftppo@ldftribe.com - 715-588-2139 - electronic mail

Details: Effective Immediately:

Please send all submissions through email until further notice. Effective 3/23/2020

Please email all submissions to [ldftppo@ldftribe.com](mailto:ldftppo@ldftribe.com)

Thank you

32. THPO - David Grignon - Menominee Indian Tribe of Wisconsin - (PO Box: 910) - Keshena, WI - dgrignon@mitw.org - 715-799-5258 - electronic mail

33. THPO - Terry Kemper - Mille Lacs Band of Ojibwe Indians - 43408 Oodena Drive - Onamia, MN - terry.kemper@millelacsband.com; terry.kemper@millelacsband.com - 320-532-7450 - electronic mail

34. FCC Specialist - Gary LaFranier - Northern Cheyenne Tribe - (PO Box: 128) - Lame Deer, MT - gary.lafranier@cheyennenation.com - 406-477-8114 - electronic mail

Details: The Northern Cheyenne Tribe requirement for consultation is digitally through our departmental website. Our website is <http://cms.cheyennenation.com>

We do not accept mailed paper or emailed digital submissions of project material. To speed up our response time and to be in compliance with our environmental practices we do not accept paper submissions. All proposed projects must be processed through our website. Multiple people in our department need access to the project files and department notes to be able to do their work on the project. For organization, documentation, and financial regulation, all Section 106 project compliance work.

Just as the majority of State Historic Preservation Offices elect to have companies submit their proposed project directly to them in the format they require, as a sovereign nation, we have the right to ask for the same courtesy.

Date:04/22/2022

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We require that you submit Form 620 or 621, complete with all of its attachments to our website.

It would expedite the process of getting your project into compliance if you would wait and submit your proposed project to our department when Form 620/621 and all of its attachments are ready - particularly the complete cultural resource report. We waste quite a bit of time contacting companies and searching for the Form 620/621 if the proposed project is submitted to us with only a dot on the map.

If you have any questions or need more information please contact FCC specialist Gary LaFranier at gary.lafranier@cheyennation.com and 406-477-8114, or THPO Teanna Limpy at teanna.limpy@cheyennation.com and 406-477-4839.

35. Acting THPO - Jeff Desjarlais - Turtle Mountain Band of Chippewa - 4180 HWY 281 West (PO Box: 900) - Belcourt, ND - desjarlaisjr.jeffrey@yahoo.com; desjarlaisjr.jeffrey@yahoo.com - 701-477-2600 - electronic mail  
Details: Please note that we are no longer requesting review material via mail. Only email us at dayla.walter@tmhci.org and desjarlaisjr.jeffrey@yahoo.com

The notification that you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA unless the project is excluded from SHPO review under Section III D or E of the NPA.

36. Chief of Staff, Deputy SHPO - Theodore Hild - Illinois Historic Preservation Agency - 1 Old State Capitol Plaza - Springfield, IL - ted\_hild@ihpa.state.il.us - - electronic mail

37. SHPO - Brian Conway - State Historic Preservation Office, Michigan Historical Center - (PO Box: 30740) - Lansing, MI - conwaybd@state.mi.us - 517-373-1630 - electronic mail

38. Environmental Review Coordinator - Leslie Coburn - Minnesota Historical Society - 50 Sherburne Ave Suite 203 - St. Paul, MN - leslie.coburn@state.mn.us - 651-296-2747 - electronic mail

TCNS automatically forwards all notifications to all Tribal Nations and SHPOs that have an expressed interest in the geographic area of a proposal. However, if a proposed communications facilities construction falls within a designated exclusion, you need not expect any response and need not pursue any additional process with that Tribal Nation or SHPO. In addition, a particular Tribal Nation or SHPO may also set forth policies or procedures within its details box that exclude from review certain facilities (for example, a statement that it does not review collocations with no ground disturbance; or that indicates that no response within 30 days indicates no interest in participating in pre-construction review).

Date:04/22/2022

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Please be advised that the FCC cannot guarantee that the contact(s) listed above have opened and reviewed an electronic or regular mail notification. If you learn that any of the above contact information is no longer valid, please contact the FCC by emailing [tcnshelp@fcc.gov](mailto:tcnshelp@fcc.gov). The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 04/19/2022

Notification ID: 247704

Excluded from SHPO Review: No

Tower Owner Individual or Entity Name: Cloud 1 Services, LLC - Cumberland Ave (WI22069-6422); Job # 54786

Consultant Name: Sandra Weiss

P.O. Box:

Street Address: 855 Community Drive

City: Sauk City

State: WI

Zip Code: 53583

Phone: 608-644-2297

Email: [TCNS@ramaker.com](mailto:TCNS@ramaker.com)

Structure Type: GTOWER - Guyed Structure Used for Communication Purposes

Latitude: 44 deg 1 min 38.7 sec N

Longitude: 88 deg 54 min 53.6 sec W

Location Description: Cumberland Avenue

City: Berlin

State: WISCONSIN

County: WAUSHARA

Detailed Description of Project (Optional): Cloud 1 Services, LLC proposes to construct a 300 foot guyed tower at Cumberland Avenue in Berlin, Waushara County, Wisconsin. Site location maps and the archaeological survey to follow.

Ground Elevation: 242.6 meters

Support Structure: 91.4 meters above ground level

Overall Structure: 92.7 meters above ground level

Overall Height AMSL: 335.3 meters above sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic Help Request form located on the FCC's website at:

<https://www.fcc.gov/wireless/available-support-services>

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,  
Federal Communications Commission



April 20, 2022

Town of Aurora  
C.J. Young, Town Chair  
P.O. Box 256  
Berlin, Wisconsin 54923

**SUBJECT: REQUEST FOR SECTION 106 COMMENTS = CLG REPRESENTATIVE**

**SITE: CUMBERLAND AVE (SITE NUMBER: WI22069-6422)  
CUMBERLAND AVENUE  
BERLIN, WAUSHARA COUNTY, WISCONSIN 54923  
RAMAKER & ASSOCIATES, INC. PROJECT NUMBER: 54786**

Dear M. Young:

Ramaker & Associates, Inc. (Ramaker) was retained by Cloud 1 Services, LLC (Cloud 1) to complete a NEPA and Section 106 review of a proposed antenna and equipment installation at a proposed 300-foot guyed tower (overall height with appurtenances of 304 feet). Ramaker and Cloud 1 have opined that the proposed activities do not qualify for any categorical exclusions from review under Section 106 of the National Historic Preservation Act (NHPA) set forth in the Federal Communication Commission's (FCC's) *Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the FCC* (Nationwide Agreement) nor the Nationwide Programmatic Agreement for Collocations or the FCC's March 8, 2015 "Report & Order." Thus, a Section 106 submittal is required on behalf of the proposed Cloud 1 undertaking. The purpose of this report is to document the potential for effect to the project's Direct and Indirect Areas of Potential Effect (APEs).

The proposed activity is located along Cumberland Avenue in Berlin, Waushara County, Wisconsin. The property is further identified as being located in the Southeast ¼ of Section 14, Township 18 North, Range 13 East. The location of the property is depicted on the attached Auroraville, Wisconsin Quadrangle. The project is also identified as being located at 44° 1' 38.65" North and 88° 54' 53.57" West. The locations of the site, site photographs, and appropriate Area of Potential Effect (APE) maps have been included.

The property is an approximately 100-foot by 100-foot area and is currently vacant land. The proposed development includes construction of a guyed tower and the installation of telecommunications equipment within a fenced compound. The compound was designed to be suitable for additional equipment cabinets. Utilities will be routed underground from the Cumberland Avenue right-of-way to the property within the proposed shared access and utility easement. Access to the property will be from Cumberland Avenue along the existing and proposed gravel access drive within the easement. Additional site development details are included in the attached figures.

The property was historically utilized for agriculture dating back to 1960 and became vacant land by 1982. The surrounding area is currently characterized by wooded and agricultural lands with scattered farmsteads located along neighboring roadways.

It is the opinion of Ramaker that the proposed Cloud 1 undertaking will have "No Effect" to the Direct APE and "No Effect" to the Indirect APE.

Following the FCC protocols and procedures, should you wish to provide additional comments with respect to the potential to effect cultural and/or historic properties, please contact Ramaker. Additionally, if you have any information regarding other potentially interested commenting parties that should be contacted,

April 20, 2022

Page 2 of 2

your input on this matter would also be greatly appreciated. As the project is proposed for development in the very near future, we would appreciate receiving your comments in the next 30 days.

Please direct all future correspondence to:

Ramaker & Associates, Inc.  
Elliott York, Environmental Specialist  
855 Community Drive  
Sauk City, Wisconsin 53583  
Telephone: (608) 643-4100  
Facsimile: (608) 643-7999  
Email: eyork@ramaker.com

If you have any questions or comments, please do not hesitate to contact our office.

Sincerely,

RAMAKER & ASSOCIATES, INC.



Elliott York, Environmental Specialist

Attachments: Site Location Maps

Cc: Waushara County Planning and Zoning Committee  
Robert Wedell, Chair  
209 South Saint Marie Street  
P.O. Box 300  
Wautoma, Wisconsin 54982

Waushara County Historical Society  
To Whom It May Concern  
221 South Saint Marie Street  
Wautoma, Wisconsin 54982





April 20, 2022

Waushara County Planning and Zoning Committee  
Robert Wedell, Chair  
P.O. Box 300  
Wautoma, Wisconsin 54982

**SUBJECT: REQUEST FOR SECTION 106 COMMENTS = INTERESTED PARTY**

**SITE: CUMBERLAND AVE (SITE NUMBER: WI22069-6422)  
CUMBERLAND AVENUE  
BERLIN, WAUSHARA COUNTY, WISCONSIN 54923  
RAMAKER & ASSOCIATES, INC. PROJECT NUMBER: 54786**

Dear M. Wedell:

Ramaker & Associates, Inc. (Ramaker) was retained by Cloud 1 Services, LLC (Cloud 1) to complete a NEPA and Section 106 review of a proposed antenna and equipment installation at a proposed 300-foot guyed tower (overall height with appurtenances of 304 feet). Ramaker and Cloud 1 have opined that the proposed activities do not qualify for any categorical exclusions from review under Section 106 of the National Historic Preservation Act (NHPA) set forth in the Federal Communication Commission's (FCC's) *Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the FCC* (Nationwide Agreement) nor the Nationwide Programmatic Agreement for Collocations or the FCC's March 8, 2015 "Report & Order." Thus, a Section 106 submittal is required on behalf of the proposed Cloud 1 undertaking. The purpose of this report is to document the potential for effect to the project's Direct and Indirect Areas of Potential Effect (APEs).

The proposed activity is located along Cumberland Avenue in Berlin, Waushara County, Wisconsin. The property is further identified as being located in the Southeast  $\frac{1}{4}$  of Section 14, Township 18 North, Range 13 East. The location of the property is depicted on the attached Auroraville, Wisconsin Quadrangle. The project is also identified as being located at  $44^{\circ} 1' 38.65''$  North and  $88^{\circ} 54' 53.57''$  West. The locations of the site, site photographs, and appropriate Area of Potential Effect (APE) maps have been included.

The property is an approximately 100-foot by 100-foot area and is currently vacant land. The proposed development includes construction of a guyed tower and the installation of telecommunications equipment within a fenced compound. The compound was designed to be suitable for additional equipment cabinets. Utilities will be routed underground from the Cumberland Avenue right-of-way to the property within the proposed shared access and utility easement. Access to the property will be from Cumberland Avenue along the existing and proposed gravel access drive within the easement. Additional site development details are included in the attached figures.

The property was historically utilized for agriculture dating back to 1960 and became vacant land by 1982. The surrounding area is currently characterized by wooded and agricultural lands with scattered farmsteads located along neighboring roadways.

It is the opinion of Ramaker that the proposed Cloud 1 undertaking will have "No Effect" to the Direct APE and "No Effect" to the Indirect APE.

Following the FCC protocols and procedures, should you wish to provide additional comments with respect to the potential to effect cultural and/or historic properties, please contact Ramaker. Additionally, if you have any information regarding other potentially interested commenting parties that should be contacted,

April 20, 2022

Page 2 of 2

your input on this matter would also be greatly appreciated. As the project is proposed for development in the very near future, we would appreciate receiving your comments in the next 30 days.

Please direct all future correspondence to:

Ramaker & Associates, Inc.  
Elliott York, Environmental Specialist  
855 Community Drive  
Sauk City, Wisconsin 53583  
Telephone: (608) 643-4100  
Facsimile: (608) 643-7999  
Email: eyork@ramaker.com

If you have any questions or comments, please do not hesitate to contact our office.

Sincerely,

RAMAKER & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read 'E. York', with a horizontal line extending to the right.

Elliott York, Environmental Specialist

Attachments: Site Location Maps

Cc: Town of Aurora  
C.J. Young, Town Chair  
P.O. Box 256  
Berlin, Wisconsin 54923

Waushara County Historical Society  
To Whom It May Concern  
221 South Saint Marie Street  
Wautoma, Wisconsin 54982



April 20, 2022

Waushara County Historical Society  
To Whom It May Concern  
221 South Saint Marie Street  
Wautoma, Wisconsin 54982

**SUBJECT: REQUEST FOR SECTION 106 COMMENTS = INTERESTED PARTY**

**SITE: CUMBERLAND AVE (SITE NUMBER: WI22069-6422)  
CUMBERLAND AVENUE  
BERLIN, WAUSHARA COUNTY, WISCONSIN 54923  
RAMAKER & ASSOCIATES, INC. PROJECT NUMBER: 54786**

To Whom It May Concern:

Ramaker & Associates, Inc. (Ramaker) was retained by Cloud 1 Services, LLC (Cloud 1) to complete a NEPA and Section 106 review of a proposed antenna and equipment installation at a proposed 300-foot guyed tower (overall height with appurtenances of 304 feet). Ramaker and Cloud 1 have opined that the proposed activities do not qualify for any categorical exclusions from review under Section 106 of the National Historic Preservation Act (NHPA) set forth in the Federal Communication Commission's (FCC's) *Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the FCC* (Nationwide Agreement) nor the Nationwide Programmatic Agreement for Collocations or the FCC's March 8, 2015 "Report & Order." Thus, a Section 106 submittal is required on behalf of the proposed Cloud 1 undertaking. The purpose of this report is to document the potential for effect to the project's Direct and Indirect Areas of Potential Effect (APEs).

The proposed activity is located along Cumberland Avenue in Berlin, Waushara County, Wisconsin. The property is further identified as being located in the Southeast  $\frac{1}{4}$  of Section 14, Township 18 North, Range 13 East. The location of the property is depicted on the attached Auroraville, Wisconsin Quadrangle. The project is also identified as being located at  $44^{\circ} 1' 38.65''$  North and  $88^{\circ} 54' 53.57''$  West. The locations of the site, site photographs, and appropriate Area of Potential Effect (APE) maps have been included.

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The property was historically utilized for agriculture dating back to 1960 and became vacant land by 1982. The surrounding area is currently characterized by wooded and agricultural lands with scattered farmsteads located along neighboring roadways.

It is the opinion of Ramaker that the proposed Cloud 1 undertaking will have "No Effect" to the Direct APE and "No Effect" to the Indirect APE.

Following the FCC protocols and procedures, should you wish to provide additional comments with respect to the potential to effect cultural and/or historic properties, please contact Ramaker. Additionally, if you have any information regarding other potentially interested commenting parties that should be contacted,

April 20, 2022

Page 2 of 2

your input on this matter would also be greatly appreciated. As the project is proposed for development in the very near future, we would appreciate receiving your comments in the next 30 days.

Please direct all future correspondence to:

Ramaker & Associates, Inc.  
Elliott York, Environmental Specialist  
855 Community Drive  
Sauk City, Wisconsin 53583  
Telephone: (608) 643-4100  
Facsimile: (608) 643-7999  
Email: eyork@ramaker.com

If you have any questions or comments, please do not hesitate to contact our office.

Sincerely,

RAMAKER & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read "E. York", with a horizontal line extending to the right.

Elliott York, Environmental Specialist

Attachments: Site Location Maps

Cc: Town of Aurora  
C.J. Young, Town Chair  
P.O. Box 256  
Berlin, Wisconsin 54923

Waushara County Planning and Zoning Committee  
Robert Wedell, Chair  
209 South Saint Marie Street  
P.O. Box 300  
Wautoma, Wisconsin 54982



April 11, 2022

Cloud 1 Services, LLC  
Alicia Broeren, Paralegal  
417 Pine Street  
Green Bay, Wisconsin 54301

**SUBJECT: PUBLIC NOTICE LANGUAGE (SECTION 106 & ASR FILING)**

**SITE: CUMBERLAND AVE (SITE NUMBER: WI22069-6422)  
CUMBERLAND AVENUE  
BERLIN, WAUSHARA COUNTY, WISCONSIN 54923  
RAMAKER & ASSOCIATES, INC. PROJECT NUMBER: 54786**

Dear Alicia,

The following text was used to file public notice, as per the *Federal Communication Commission's (FCC's) Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (Nationwide Programmatic Agreement)* and the FCC's Environmental Notification Process for the Registration of Antenna Structures. Details of the public notice are provided below:

- **The notice was published in:** The Wisconsin State Journal newspaper
- **The notice was published on:** April 22, 2022
- **The notice specifically stated:**

Cloud 1 Services, LLC (Cloud 1) proposes to construct the following guyed towers in Waushara County, WI: a 300' tower (304' overall) along Cumberland Ave. in Berlin (Job #54786); and a 300' tower (304' overall) along 3<sup>rd</sup> Dr. in Coloma (Job #54787).

In accordance with the National Historic Preservation Act of 1966 and the 2005 Nationwide Programmatic Agreement, Cloud 1 is hereby notifying the public of the proposed undertaking and soliciting comments on Historic Properties which may be affected by the proposed undertaking. If you would like to provide specific information regarding potential effects that the proposed undertaking might have to properties that are listed on or eligible for listing in the National Register of Historic Places and located within 3/4 mile of the site, please submit the comments (with Job #54786 or #54787) to: Ramaker, Contractor for Cloud 1, 855 Community Dr, Sauk City, WI 53583 or via e-mail to [history@ramaker.com](mailto:history@ramaker.com) within 30 days of this notice.

Cloud 1 is filing FCC ASR Form 854's for a new guyed tower located along Cumberland Ave., Berlin, WI 54923, Waushara County; Latitude 44-01-38.7° North and Longitude 88-54-53.6° West. The height of the tower is 92.7 meters above ground level and 335.3 meters above mean sea level and also for a new guyed tower located along 3<sup>rd</sup> Dr., Coloma, WI 54930, Waushara County; Latitude 43-59-40.1° North and Longitude 89-33-06.1° West. The height of the tower is 92.7 meters above ground level and 404.8 meters above mean sea level. The towers will include MDUAL lighting. Interested persons may review the application for this project at [www.fcc.gov/asr/applications](http://www.fcc.gov/asr/applications) by entering Antenna Structure Registration (Form 854) file number A1214994 (for Job #54786) or file number A1214992 (for Job #54787) and may raise environmental concerns about the project by filing a Request for Environmental Review with the Federal Communications Commission. Requests for Environmental Review must be filed within 30 days of the date that notice of the project is published on the FCC's website. The FCC strongly encourages interested parties to file Requests for Environmental Review online at [www.fcc.gov/asr/environmentalrequest](http://www.fcc.gov/asr/environmentalrequest). Parties wishing to submit the request by paper may do so



by mailing the request to "FCC Requests for Environmental Review, Attn: Ramon Williams, 445 12th Street SW, Washington, DC 20554."

A copy of the public notice's affidavit has been included as an attachment. However, if you have any questions or comments, please do not hesitate to contact our office.

Sincerely,

RAMAKER & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read "E. York", with a horizontal line extending to the right.

Elliott York, Environmental Specialist

\*\*\* Proof of Publication \*\*\*

Capital Newspapers Proof of Publication Affidavit

Retain this portion for your records. Please do not remit payment until you receive your advertising invoice.

Mail to:

RAMAKER & ASSOCIATES, INC.

855 COMMUNITY DR. SAUK CITY, WI 53583

ORDER NUMBER 104625

STATE OF WISCONSIN

} ss.

Dane County

being duly sworn, doth depose and say that he (she) is an authorized representative of Capital Newspapers, publishers of

PWSJ Wisconsin State Journal

a newspaper, at Madison, the seat of government of said State, and that an advertisement of which the annexed is a true copy, taken from said paper, was published therein on the dates listed below.

Sworn to and subscribed before me this APR 22, 2022 day of

(Signed) Arlene Staff (Title) Principal Clerk

Notary Public, Wisconsin

My Commission expires

MAR 16 2026

JOHN DAGITZ Notary Public State of Wisconsin

Section: Legals

Category: 0100 LEGAL NOTICE

PUBLISHED ON: 04/22/2022

TOTAL AD COST: 82.22

FILED ON: 4/21/2022

PUBLIC NOTICE

Cloud 1 Services, LLC (Cloud 1) proposes to construct the following guyed towers in Waushara County, WI: a 300' tower (304' overall) along Cumberland Ave. in Berlin (Job #54786), and a 300' tower (304' overall) along 3rd Dr. in Coloma (Job #54787). In accordance with the National Historic Preservation Act of 1966 and the 2005 Nationwide Programmatic Agreement, Cloud 1 is hereby notifying the public of the proposed undertaking and soliciting comments on Historic Properties which may be affected by the proposed undertaking. If you would like to provide specific information regarding potential effects that the proposed undertaking might have to properties that are listed on or eligible for listing in the National Register of Historic Places and located within 3/4 mile of the site, please submit

PUBLIC NOTICE

Cloud 1 Services, LLC (Cloud 1) proposes to construct the following guyed towers in Waushara County, WI: a 300' tower (304' overall) along Cumberland Ave. in Berlin (Job #54786); and a 300' tower (304' overall) along 3rd Dr. in Coloma (Job #54787).

In accordance with the National Historic Preservation Act of 1966 and the 2005 Nationwide Programmatic Agreement, Cloud 1 is hereby notifying the public of the proposed undertaking and soliciting comments on Historic Properties which may be affected by the proposed undertaking. If you would like to provide specific information regarding potential effects that the proposed undertaking might have to properties that are listed on or eligible for listing in the National Register of Historic Places and located within 3/4 mile of the site, please submit the comments (with Job #54786 or #54787) to Ramaker Contractor for Cloud 1, 855 Community Dr. Sauk City, WI 53583 or via e-mail to history@ramaker.com within 30 days of this notice.

Cloud 1 is filing FCC ASR Form 854's for a new guyed tower located along Cumberland Ave., Berlin, WI 54923, Waushara County; Latitude 44-01-38.7 North and Longitude 88-54-53.6 West. The height of the tower is 92.7 meters above ground level and 335.3 meters above mean sea level and also for a new guyed tower located along 3rd Dr., Coloma, WI 54930, Waushara County; Latitude 43-59-40.1 North and Longitude 89-33-06.1 West. The height of the tower is 92.7 meters above ground level and 404.8 meters above mean sea level. The towers will include MDUAL lighting. Interested persons may review the application for this project at www.fcc.gov/ass/applications by entering Antenna Structure Registration (Form 854) file number A1214894 (for Job #54786) or file number A1214892 (for Job #54787) and may raise environmental concerns about the project by filing a Request for Environmental Review with the Federal Communications Commission. Requests for Environmental Review must be filed within 30 days of the date that notice of the project is published on the FCC's website. The FCC strongly encourages interested parties to file Requests for Environmental Review online at www.fcc.gov/asr/environmentalrequest. Parties wishing to submit the request by paper may do so by mailing the request to "FCC Requests for Environmental Review, Attn: Ramon Williams, 445 12th Street SW, Washington, DC 20554." WSJ: April 22, 2022 104625 WNAXLP

## Elliott York

---

**From:** leslie.eisenberg@wisconsinhistory.org  
**Sent:** Monday, April 25, 2022 2:43 AM  
**To:** Elliott York  
**Subject:** SHPO Review: 22-0648/WS - 54786 - Cumberland Ave (WI22069-6422)

**CAUTION:** This email originated from outside our organization.

Good morning Elliott,

I have completed my review of WHS #22-0648, Cumberland Ave (WI22069-6422) and find that no eligible properties will be affected (i.e. none are present or there are historic properties present but the project will have no effect upon them).

If your plans change or cultural materials/human remains are found during the project, please halt all work and contact our office.

Please use this email as your official SHPO concurrence for the project. If you require a hard copy signed form, please contact me and I will provide you a signed copy as soon as possible.

Best,

Leslie

Leslie Eisenberg  
State Historic Preservation Office

Wisconsin Historical Society  
816 State Street, Madison, WI 53706  
608.264.6507  
leslie.eisenberg@wisconsinhistory.org

**Wisconsin Historical Society**  
[Collecting, Preserving, and Sharing Stories Since 1846](#)

Site Name: Cumberland Ave (W122069-6422)

Site Number: 54786

TCNS Number: 247704

## TCNS Tribal Review Summary

Tribal Nation	TCNS Issued	Package Sent to Tribe	Follow-up Date	FCC Referral Letter Date	Closeout Date	Notes
Bad River Band of Lake Superior Tribe of Chippewa Indians	4/22/2022	4/27/2022	5/11/2022	N/A	5/22/2022	30 days have passed since the original TCNS notification. The tribe has indicated that a lack of response means no further action is required. However, notify Tribe of any inadvertent discoveries during construction. 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet
Chippewa Cree Tribe of the Rocky Boy's Reservation	4/22/2022	4/27/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Submitted Online
Crow Creek Sioux Tribe	4/22/2022	4/27/2022	N/A	N/A	4/28/2022	5/17/22 Received Response "We have no interest in this site." 4/28/22 Received Response "Hello, The Crow Creek Sioux Tribe THPO has reviewed the proposed project for Ramaker, the CCST agrees with the determination of " No Effect " for the direct APE as well as the Visual APE" 4/27/22 Emailed Packet
Ho-Chunk Nation	4/22/2022	4/27/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet
Iowa Tribe of Oklahoma	4/22/2022	4/27/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet
Keweenaw Bay Indian Community	4/22/2022	4/25/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet 4/25/22 Mailed Packet
Kickapoo Tribe of Oklahoma	4/22/2022	4/25/2022	5/11/2022	N/A	4/29/2022	4/29/22 Received Response "We have no interest in this site." 4/27/22 Emailed Packet 4/25/22 Mailed Packet

Site Name: Cumberland Ave (WI22069-6422)

Site Number: 54786

TCNS Number: 247704

## TCNS Tribal Review Summary

Tribal Nation	TCNS Issued	Package Sent to Tribe	Follow-up Date	FCC Referral Letter Date	Closeout Date	Notes
Lac Courte Oreilles Band of Lake Superior Chippewa Indians of Wisconsin	4/22/2022	4/27/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet
Lac du Flambeau Band of Lake Superior Chippewa Indians	4/22/2022	4/27/2022	N/A	N/A	5/11/2022	5/11/22 Received Response "Under the authority of Section 106 of the National Historic Preservation Act of 1966, as amended, we have reviewed the above-cited undertaking at the location noted above. Based on the information provided for our review, it is the opinion of the Lac du Flambeau THPO that the project has No Effect to sites of historic significance and/or the direct APE." 4/27/22 Emailed Packet
Lac Vieux Desert Band of Lake Superior Chippewa Indians	4/22/2022	4/27/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet
Lower Brule Sioux Tribe	4/22/2022	4/27/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet
Menominee Indian Tribe of Wisconsin	4/22/2022	4/27/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet
Miami Tribe of Oklahoma	4/22/2022	4/27/2022	5/11/2022	6/2/2022	6/15/2022	6/15/22 Received Response "The Miami Tribe of Oklahoma is satisfied with efforts conducted to be sure that no Miami historic properties or other Miami cultural resources will likely be adversely affected by construction and use of this tower. The Miami Tribe of Oklahoma is not currently aware of any specific Miami cultural or historic sites in this project area. We therefore offer no objection to the proposed construction." 5/31/22 Referred to FCC (TCNS43136) 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet
Mille Lacs Band of Ojibwe Indians	4/22/2022	4/27/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet



Site Name: Cumberland Ave (W122069-6422)

Site Number: 54786

TCNS Number: 247704

## TCNS Tribal Review Summary

Tribal Nation	TCNS Issued	Package Sent to Tribe	Follow-up Date	FCC Referral Letter Date	Closeout Date	Notes
Northern Arapaho	4/22/2022	N/A	N/A	N/A	4/20/2022	4/26/22 Received Response "No Historic Properties in the Direct or Visual APE" 4/20/22 Received Response "No Historic Properties in the Direct or Visual APE"
Northern Cheyenne Tribe	4/22/2022	4/27/2022	5/11/2022	N/A	5/26/2022	5/26/22 Received Response "Finding of No Effect" 5/11/22 Emailed Follow-up 4/27/22 Submitted Online
Omaha Tribe of Nebraska	4/22/2022	4/27/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet
Otoe-Missouria Tribe of Indians	4/22/2022	4/27/2022	N/A	N/A	5/4/2022	5/4/22 Received Response "Given the information provided, you are hereby notified that the proposal project has no potential to adversely affect the cultural landscape. We understand this is a 300-foot guyed tower (overall height with appurtenances of 304 feet) resulting in minimal ground disturbance. Therefore, in accordance with 36 CFR 800. 4(d) (1), you may proceed with your proposed project. However, please be advised that undiscovered properties may be encountered during ground disturbance and must be immediately reported to us under both the NHPA and NAGPRA regulations." 4/27/22 Emailed Packet
Ottawa Tribe of Oklahoma	4/22/2022	4/27/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet
Pokagon Band of Potawatomi Indians	4/22/2022	4/27/2022	5/11/2022	N/A	5/22/2022	30 days have passed since the original TCNS notification. The tribe has indicated that a lack of response means no further action is required. However, notify Tribe of any inadvertent discoveries during construction. 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet
Ponca Tribe of Indians of Oklahoma	4/22/2022	4/25/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet 4/25/22 Mailed Packet
Prairie Band Potawatomi Nation	4/22/2022	4/25/2022	5/11/2022	N/A	5/22/2022	30 days have passed since the original TCNS notification. The tribe has indicated that a lack of response means no further action is required. However, notify Tribe of any inadvertent discoveries during construction. 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet 4/25/22 Mailed Packet

Site Name: Cumberland Ave (W122069-6422)

Site Number: 54786

TCNS Number: 247704

## TCNS Tribal Review Summary

Tribal Nation	TCNS Issued	Package Sent to Tribe	Follow-up Date	FCC Referral Letter Date	Closeout Date	Notes
Prairie Island Indian Community	4/22/2022	4/27/2022	5/11/2022	N/A	5/22/2022	30 days have passed since the original TCNS notification. The tribe has indicated that a lack of response means no further action is required. However, notify Tribe of any inadvertent discoveries during construction. 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet
Red Cliff Band of Lake Superior Chippewa Indians of Wisconsin	4/22/2022	4/27/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet
Red Lake Band of Chippewa Indians of Minnesota	4/22/2022	4/27/2022	5/11/2022	N/A	5/22/2022	30 days have passed since the original TCNS notification. The tribe has indicated that a lack of response means no further action is required. However, notify Tribe of any inadvertent discoveries during construction. 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet
Rosebud Sioux Tribe	4/22/2022	4/25/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/25/22 Mailed Packet
Sac & Fox Tribe of the Mississippi in Iowa	4/22/2022	4/25/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet 4/25/22 Mailed Packet
Santee Sioux Nation	4/22/2022	4/27/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet
Shawnee Tribe	4/22/2022	4/27/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet

Site Name: Cumberland Ave (W122069-6422)

Site Number: 54786

TCNS Number: 247704

## TCNS Tribal Review Summary

Tribal Nation	TCNS Issued	Package Sent to Tribe	Follow-up Date	FCC Referral Letter Date	Closeout Date	Notes
Sisseton-Wahpeton Oyate of the Lake Traverse Reservation	4/22/2022	4/27/2022	5/11/2022	6/2/2022	6/14/2022	6/14/22 Received Response "Finding of No Effect" 5/31/22 Referred to FCC (TCNS43136) 5/11/22 Emailed Follow-up 4/27/22 Submitted Online
Sokaogon Chippewa Community	4/22/2022	4/27/2022	5/11/2022	N/A	5/22/2022	30 days have passed since the original TCNS notification. The tribe has indicated that a lack of response means no further action is required. However, notify Tribe of any inadvertent discoveries during construction. 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet
Turtle Mountain Band of Chippewa	4/22/2022	4/27/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet
Upper Sioux Community of Minnesota	4/22/2022	4/27/2022	N/A	N/A	5/6/2022	5/6/22 Received Response "We have no interest in this site." 4/27/22 Emailed Packet
Winnebago Tribe of Nebraska	4/22/2022	4/27/2022	N/A	N/A	5/9/2022	5/9/22 Received Response "Thank you for your Section 106 correspondence regarding this project. The location is land our ancestors have lived on or passed through. During ground disturbance activities we are aware that if the ground has already been disturbed, that findings may be minimal to zero. In any case if anything is found please contact me immediately at thpo@winnebagotribe.com" 4/27/22 Emailed Packet
Wyandotte Nation	4/22/2022	4/27/2022	5/11/2022	6/2/2022	6/17/2022	Per Proposed Construction of Communications Facilities Notification of Final Contacts, If the Tribal Nation or NHO does not respond within 15 calendar days of referral to the FCC, our "obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete." 5/31/22 Referred to FCC 5/11/22 Emailed Follow-up 4/27/22 Emailed Packet



**FEDERAL COMMUNICATIONS COMMISSION**  
**Wireless Telecommunications Bureau**  
**1270 Fairfield Road**  
**Gettysburg, PA 17325-7245**

**NOTICE OF ORGANIZATION(S) WHICH WERE SENT  
PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION**

CLOUD 1 SERVICES, LLC - CUMBERLAND AVE (WI22069-6422);  
JOB # 54786  
SANDRA WEISS  
855 COMMUNITY DRIVE  
SAUK CITY, WI 53583

Date: 04/22/2022  
Reference Number:

Dear Applicant:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the notification that you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter). We note that the review period for all parties begins upon receipt of the Submission Packet pursuant to Section VII.A of the NPA and notifications that do not provide this serve as information only.

Persons who have received the notification that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribal Nations"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribal Nations and NHOs and in making further contacts, the City and State of the Seat of Government for each Tribal Nation and NHO, as well as the designated contact person, is included in the listing below. We note that Tribal Nations may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribal Nations and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribal Nation or NHO. (NPA, Section IV.F.4).

The notification that you provided was forwarded to the following Tribal Nations and NHOs. A Tribal Nation or NHO may not respond until a full Submission Packet is provided. If, upon receipt, the Tribal Nation or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribal Nation or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event a Tribal Nation or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribal Nation or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Second Report and Order released on March 30, 2018 (FCC 18-30).

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1. THPO - Merle Marks - Crow Creek Sioux Tribe - (PO Box: 286) - Ft Thompson, SD - cchistory@midstatesd.net - 605-245-2221 - electronic mail

Details: The Crow Creek Sioux Tribe has no interest in collocation projects. The Crow Creek Sioux Tribe requests the following states be removed from our geographic areas of interest, Arkansas , Virginia , South Carolina , Ohio , North Carolina, Michigan, Illinois

2. Cultural Resources Consultant - Brian Molyneaux - Lower Brule Sioux Tribe - 187 Oyate Circle - Lower Brule, SD - lowerbrulecro@gmail.com - 605-473-8000 - electronic mail

3. Section 106 Compliance Coordinator - Benjamin Young - Rosebud Sioux Tribe - 227 N. B.I.A. 9 Soldier Creek Rd.(PO Box: 809) - Rosebud, SD - benjamin1011young@gmail.com - 605-747-4255 - electronic mail and regular mail  
Details: Please send an archaeological survey or site inventory/map for the area within 1 mile of the APR for Pre-construction, collocation projects, and PTC Poles. The request gives the tribe an opportunity to comment on past projects that are now proposed as collocation projects. The Rosebud Sioux Tribe requests the legal description of the proposed site(township, range, section and topo map name). The RST requests a chronology if sites are within the 1-mile radius of the APE. The RST requests info of the Native American tribes identified having traditional use within the 1-mile radius of the APE. Ethnographic reports for the RST are requested. The RST may request a site visit for areas of significance to the tribe's history. PLEASE SEND ONLY HARD COPIES OF REPORTS BY MAIL. DO NOT EMAIL REPORTS. The Rosebud Sioux Tribe THPO at PO Box 809, Rosebud, S.D. 57570. ATTN: Ben Young and/or Bernadette Emery. Please include the TCNS number on all correspondence. Any questions call or email: Ben Young-Primary at benjamin1011young@gmail.com, 6057474255. Secondary-Bernadette Emery at bernadette.emery@rst-nsn.gov, 6057474255.

4. TCNS Compliance Reviewer - Alicia Cloud - Sisseton-Wahpeton Oyate of the Lake Traverse Reservation - (PO Box: 907) - Sisseton, SD - SWO\_TCNS@swo-nsn.gov; virginia.m.w.oboyle@gmail.com - 605-698-3584 - electronic mail  
Details: The Sisseton Wahpeton Oyate Nation requirement for consultation is digitally through our departmental website. Our website is <http://sisseton.heritageconsultation.com>

We do not accept mailed paper or emailed digital submissions of project material. To speed up our response time and to be in compliance with our environmental practices, we do not accept paper submissions. All proposed projects must be processed through our website. Multiple people in our department need access to the project files and department notes to be able to do their work on the project. For organization, documentation, and financial regulation, all Section 106 project compliance work is archived in our system.

Just as the majority of State Historic Preservation Offices elect to have companies submit their proposed project directly to their office in the format they require, as a sovereign nation, we have the right to ask for the same courtesy.

We require that you submit Form 620 or 621, complete with all of its attachments to our website.

It would expedite the process of getting your project into compliance if you would wait and submit your proposed project to our department when Form 620/621 and all of its attachments are ready - particularly the complete cultural resource



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report. We waste quite a bit of time contacting companies and searching for the Form 620/621 if the proposed project is submitted to us with only a dot on the map.

If you have any questions or need more information please contact FCC specialist Alicia Cloud at SWO\_TCNS@swo-nsn.gov and 605-698-8306, or THPO Dianne Desrosiers at dianned@swo-nsn.gov and 605-698-8225.

5. THPO - Thomas Parker - Omaha Tribe of Nebraska - (PO Box: 368) - Macy, NE - tparker@theomahatribe.com - 402-837-5391 - electronic mail

Details: Please note we have updated procedures. Please email us at Omahatribefcctns@outlook.com

6. Tribal Historic Preservation Office - Misty Flowers - Santee Sioux Nation of Nebraska - 425 Frazier Ave N Ste 2 - Niobrara, NE - ssn.thpo@gmail.com - 402-857-2302 - electronic mail

7. CPD/THPO - Interim THPO Staff \_ - Winnebago Tribe of Nebraska - P.O. Box 687 - Winnebago, NE - thpo@winnebagoTribe.com - 402-878-3313 - electronic mail

8. Tribal Historical Cultural Preservation Officer - Thomas Wabnum - Prairie Band Potawatomi Nation - Government Center 16281 Q Road - Mayetta, KS - thomaswabnum@pbnation.org; jrjw@pbnation.org - 785-966-4013 - electronic mail and regular mail

If the applicant/tower builder receives no response from the Prairie Band Potawatomi Nation within 30 days after notification through TCNS, the Prairie Band Potawatomi Nation has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Prairie Band Potawatomi Nation in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

9. Tribal Historic Preservation Officer - Elsie Whitehorn - Otoe-Missouria Tribe of Indians - 8151 Highway 177 - Red Rock, OK - tcns@omtribe.org; ewhitehorn@omtribe.org - 580-723-4434 (ext: 202) - electronic mail

10. THPO - Liana Hesler - Ponca Tribe of Indians of Oklahoma - 121 White Eagle Drive - Ponca City, OK - liana.hesler@ponca-nsn.gov; shesler.thpo@gmail.com - 580-382-6633 - electronic mail and regular mail

11. TCNS Director - Iowa Tribe - Iowa Tribe of Oklahoma - 222 E. Grand Suite 313 - Ponca City, OK - iowatribetns@gmail.com; iowatribetns@gmail.com - 405-443-7531 - electronic mail

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12. NAGPRA Representative - Pamela Wesley - Kickapoo Tribe of Oklahoma - (PO Box: 70) - McLoud, OK - pamwesley@okkt.net - 405-964-4227 - electronic mail and regular mail

13. THPO - Benjamin Ridgley - Northern Arapaho - 1010 Railroad Ave (PO Box: 67) - St. Stephens, WY - archtech.nathpo@gmail.com; pejuta.villa@northernarapaho.com - 307-856-1628 - electronic mail  
Details: PLEASE SEND AN ARCHAEOLOGICAL SURVEY OR SITE INVENTORY/MAP FOR THE AREA WITHIN 1 MILE OF THE APE FOR PRE-CONSTRUCTION, COLLOCATION PROJECTS AND PTC POLES. The request gives the tribe an opportunity to comment on past projects that are now proposed as collocation projects.

Email reports to: archtech.nathpo@gmail.com

Please include the TCNS number on all correspondence, reports, maps.

ANY QUESTIONS CALL OR EMAIL:

Benjamin Ridgley  
3078561628  
benjamin.ridgley@northernarapaho.com

Crystal C'Bearing  
crystal.cbearing@northernarapaho.com

14. Historic Preservation Director - Johnathan Buffalo - Sac & Fox Tribe of the Mississippi in Iowa - 349 Meskwaki Road - Tama, IA - sp.historical@meskwaki-nsn.gov - 641-484-3185 - electronic mail and regular mail

15. Acting THPO - Brian Bisonette - Lac Courte Oreilles Band of Lake Superior Chippewa Indians of Wisconsin - 13394 West Trepania Road, Bldg. No. 1 - Hayward, WI - brian.bisonette@lco-nsn.gov - 715-634-0102 - electronic mail

16. Cultural Resources Director - Alden Connor - Keweenaw Bay Indian Community - 16429 Beartown Road . - Baraga, MI - gloonsfoot@kbic-nsn.gov - 906-353-4278 - electronic mail and regular mail

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17. Tribal Historic Preservation Officer - Matthew Bussler - Pokagon Band of Potawatomi Indians - 58620 Sink Road (PO Box: 180) - Dowagiac, MI - Matthew.Bussler@pokagonband-nsn.gov - 269-462-4316 - electronic mail

If the applicant/tower builder receives no response from the Pokagon Band of Potawatomi Indians within 30 days after notification through TCNS, the Pokagon Band of Potawatomi Indians has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Pokagon Band of Potawatomi Indians in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

18. Tribal Archaeologist/THPO - Kade Ferris - Red Lake Band of Chippewa Indians of Minnesota - 24200 Council Street (PO Box: 274) - Red Lake, MN - redlakethpo@gmail.com; kade.ferris@redlakenation.org - 218-679-1691 - electronic mail

Details: The Red Lake THPO is not interested in participating in pre-construction review on projects where the proposed antenna or tower will be collocated on an existing tower, building, or other structure, or where the proposed tower will be constructed on already disturbed land (e.g. a parking lot).

All other projects that will involve new construction in areas not previously constructed or disturbed will require the submission of archaeological file searches, reports, maps, and other information that will allow for adequate review of the project against the Red Lake Nation CRM/archaeological database.

Information can be emailed to: redlakethpo@gmail.com

Review of archaeological information and other information for new construction will be reviewed within 30-days and a response issued via email. A cost of \$200 (aggregated/average amount) will be assessed for these reviews to offset time spent on review.

Questions can be sent by email to: kade.ferris@redlakenation.org. [do not send archaeological information to this email address]

If the applicant/tower builder receives no response from the Red Lake Band of Chippewa Indians of Minnesota within 30 days after notification through TCNS, the Red Lake Band of Chippewa Indians of Minnesota has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Red Lake Band of Chippewa Indians of Minnesota in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

19. THPO - Alina Shively - Lac Vieux Desert Band of Lake Superior Chippewa Indians - E23857 Poplar Circle (PO Box: 249) - Watersmeet, MI - alina.shively@lvd-nsn.gov - 906-358-0137 - electronic mail

Details: The Lac Vieux Desert Band of Lake Superior Chippewa Indians' Tribal Historic Preservation Office (THPO) requires the following documentation to complete a NHPA Section 106 Review:

- 1) A Cultural Resources Survey (CRS) of the Area of Potential Effect (APE) for any newly constructed towers, including any archaeological sites, water sources, and Cultural Resources documented within a one (1) mile radius of the APE.

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- 2) A detailed map of the project APE, showing detail of where ground disturbing activities will occur.
- 3) GPS coordinates (Latitude/Longitude) and legal description of the project APE.
- 4) For collocations, an explanation of Cultural Resources that were located during initial CRS or archaeological survey, within the APE and within a one (1) mile radius of the project location.
- 5) If all requested information is not received upon initial notice, the 30 day clock stops until the Lac Vieux Desert Band of Chippewa Indians' THPO receives all requested documentation to perform the Section 106 consultation/review.
- 6) If additional research, site visits, or any additional work by traditional, cultural experts, the applicant/tower builder will be charged for these expenses.
- 7) Inadvertent discovery protocols for Cultural Resources and/or burials discovered during ground disturbing activities must be conveyed to construction and contracted personnel. Should Cultural Resources or burials be inadvertently discovered, please cease work and immediately contact the Lac Vieux Desert Band of Lake Superior Chippewa Indians' Tribal Historic Preservation Office by phone or email.

20. THPO - Noah White - Prairie Island Indian Community - 5636 Sturgeon Lake Road - Welch, MN - celltower@piic.org - 651-385-4175 - electronic mail

If the applicant/tower builder receives no response from the Prairie Island Indian Community within 30 days after notification through TCNS, the Prairie Island Indian Community has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Prairie Island Indian Community in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

21. THPO - Samantha Odegard - Upper Sioux Community of Minnesota - 5722 Travers Lane (PO Box: 147) - Granite Falls, MN - THPO@uppersiouxcommunity-nsn.gov; THPO@uppersiouxcommunity-nsn.gov - 320-564-3853 (ext: 6334) - electronic mail

22. THPO - Edith Leoso - Bad River Band of Lake Superior Tribe of Chippewa Indians - (PO Box: 39) - Odanah, WI - thpo@badriver-nsn.gov; THPOAsst@badriver-nsn.gov - 715-682-7123 - electronic mail

If the applicant/tower builder receives no response from the Bad River Band of Lake Superior Tribe of Chippewa Indians within 30 days after notification through TCNS, the Bad River Band of Lake Superior Tribe of Chippewa Indians has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Bad River Band of Lake Superior Tribe of Chippewa Indians in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

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23. Tribal Historic Preservation Officer - William Quackenbush - Ho-Chunk Nation - (PO Box: 667) - Black River Falls, WI - bill.quackenbush@ho-chunk.com - 715-284-7181 (ext: 1121) - electronic mail

24. THPO - Marvin DeFoe - Red Cliff Band of Lake Superior Chippewa Indians of Wisconsin - 88455 Pike Road, HWY 13 - Bayfield, WI - Marvin.DeFoe@redcliff-nsn.gov; Edwina.Buffalo-Reyes@redcliff-nsn.gov - 715-779-3700 (ext: 4242) - electronic mail

Details: Boozhoo, we do not have the Red Cliff Portal site online anymore and apologize for the inconvenience.

If you have a project that has already been paid for or would like to voluntarily pay for, please email documents for project review to THPO@redcliff-nsn.gov. This address is only to be used by Consultants who are voluntarily paying for projects.

If you have any questions, please contact Marvin Defoe, THPO Manager at (715) 779-3700 Ext. 4244 or Edwina Buffalo-Reyes, THPO Assistant at (715) 779-3700Ext. 4243.

25. Tribal Historic Preservation Officer - Cassandra Graikowski - Sokaogon Chippewa Community - 3051 Sand Lake Road - Crandon, WI - cassandra.graikowski@scc-nsn.gov; thpo@scc-nsn.gov - 715-522-0757 - electronic mail

If the applicant/tower builder receives no response from the Sokaogon Chippewa Community within 30 days after notification through TCNS, the Sokaogon Chippewa Community has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Sokaogon Chippewa Community in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

26. THPO - Diane Hunter - Miami Tribe of Oklahoma - (PO Box: 1326) - Miami, OK - swillard@miamination.com - 918-541-1390 - electronic mail

27. THPO Dept - Rhonda Hayworth - Ottawa Tribe of Oklahoma - (PO Box: 110) - Miami, OK - ottawatcns.oto@gmail.com - 918-540-1536 - electronic mail

28. THPO - Sherri Clemons - Wyandotte Nation - 64700 E, Hwy 60 - Wyandotte, OK - sclemons@wyandotte-nation.org - 918-678-6344 - electronic mail

Details: Please refrain from sending information via mail. We ONLY accept information via email to: sclemons@wyandotte-nation.org. We will advise if we require additional information.

29. Cell t - Kim Jumper - Shawnee Tribe - 29 South 69A Highway - Miami, OK - tcns@shawnee-tribe.com - 918-542-2441 - electronic mail



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30. THPO - Jonathan Windy Boy - Chippewa Cree Tribe of the Rocky Boy's Reservation - 9740 Upper Box Elder Road (PO Box: 230) - Box Elder, MT - jonathan.windyboy@nei-yahw.com; falene.russette@nei-yahw.com - 406-395-4700 - electronic mail

Details: The Chippewa Cree Tribe performs its reviews of FCC undertakings and projects through its arrangement with I Response; a Tribally-owned enterprise. Please send all of your Forms 620 and Forms 621 to I Response at <http://app.iresponse106.com/>. The reviews will begin once all the required documentation has been received at <http://app.iresponse106.com/>. If the qualified and professional reviewers determine that additional information is required, or that field work is required, they will contact you through the I Response system and through TCNS. If the Tribe determines that the proposed project will have an effect on historic properties and/or Tribal religious and cultural sites or properties, we will provide notice to the project proponent and to the FCC.

31. THPO - Sarah Thompson - Lac du Flambeau Band of Lake Superior Chippewa Indians - Tribal Historic Preservation Office (PO Box: 67) - Lac du Flambeau, WI - ldftppo@ldftribe.com - 715-588-2139 - electronic mail

Details: Effective Immediately:

Please send all submissions through email until further notice. Effective 3/23/2020

Please email all submissions to [ldftppo@ldftribe.com](mailto:ldftppo@ldftribe.com)

Thank you

32. THPO - David Grignon - Menominee Indian Tribe of Wisconsin - (PO Box: 910) - Keshena, WI - dgrignon@mitw.org - 715-799-5258 - electronic mail

33. THPO - Terry Kemper - Mille Lacs Band of Ojibwe Indians - 43408 Oodena Drive - Onamia, MN - terry.kemper@millelacsband.com; terry.kemper@millelacsband.com - 320-532-7450 - electronic mail

34. FCC Specialist - Gary LaFranier - Northern Cheyenne Tribe - (PO Box: 128) - Lame Deer, MT - gary.lafranier@cheyennenation.com - 406-477-8114 - electronic mail

Details: The Northern Cheyenne Tribe requirement for consultation is digitally through our departmental website. Our website is <http://cms.cheyennenation.com>

We do not accept mailed paper or emailed digital submissions of project material. To speed up our response time and to be in compliance with our environmental practices we do not accept paper submissions. All proposed projects must be processed through our website. Multiple people in our department need access to the project files and department notes to be able to do their work on the project. For organization, documentation, and financial regulation, all Section 106 project compliance work.

Just as the majority of State Historic Preservation Offices elect to have companies submit their proposed project directly to them in the format they require, as a sovereign nation, we have the right to ask for the same courtesy.

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We require that you submit Form 620 or 621, complete with all of its attachments to our website.

It would expedite the process of getting your project into compliance if you would wait and submit your proposed project to our department when Form 620/621 and all of its attachments are ready - particularly the complete cultural resource report. We waste quite a bit of time contacting companies and searching for the Form 620/621 if the proposed project is submitted to us with only a dot on the map.

If you have any questions or need more information please contact FCC specialist Gary LaFranier at gary.lafranier@cheyennenation.com and 406-477-8114, or THPO Teanna Limpy at teanna.limpy@cheyennenation.com and 406-477-4839.

35. Acting THPO - Jeff Desjarlais - Turtle Mountain Band of Chippewa - 4180 HWY 281 West (PO Box: 900) - Belcourt, ND - desjarlaisjr.jeffrey@yahoo.com; desjarlaisjr.jeffrey@yahoo.com - 701-477-2600 - electronic mail  
Details: Please note that we are no longer requesting review material via mail. Only email us at dayla.walter@tmhci.org and desjarlaisjr.jeffrey@yahoo.com

The notification that you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA unless the project is excluded from SHPO review under Section III D or E of the NPA.

36. Chief of Staff, Deputy SHPO - Theodore Hild - Illinois Historic Preservation Agency - 1 Old State Capitol Plaza - Springfield, IL - ted\_hild@ihpa.state.il.us - - electronic mail

37. SHPO - Brian Conway - State Historic Preservation Office, Michigan Historical Center - (PO Box: 30740) - Lansing, MI - conwaybd@state.mi.us - 517-373-1630 - electronic mail

38. Environmental Review Coordinator - Leslie Coburn - Minnesota Historical Society - 50 Sherburne Ave Suite 203 - St. Paul, MN - leslie.coburn@state.mn.us - 651-296-2747 - electronic mail

TCNS automatically forwards all notifications to all Tribal Nations and SHPOs that have an expressed interest in the geographic area of a proposal. However, if a proposed communications facilities construction falls within a designated exclusion, you need not expect any response and need not pursue any additional process with that Tribal Nation or SHPO. In addition, a particular Tribal Nation or SHPO may also set forth policies or procedures within its details box that exclude from review certain facilities (for example, a statement that it does not review collocations with no ground disturbance; or that indicates that no response within 30 days indicates no interest in participating in pre-construction review).

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Please be advised that the FCC cannot guarantee that the contact(s) listed above have opened and reviewed an electronic or regular mail notification. If you learn that any of the above contact information is no longer valid, please contact the FCC by emailing [tcnshelp@fcc.gov](mailto:tcnshelp@fcc.gov). The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 04/19/2022

Notification ID: 247704

Excluded from SHPO Review: No

Tower Owner Individual or Entity Name: Cloud 1 Services, LLC - Cumberland Ave (WI22069-6422); Job # 54786

Consultant Name: Sandra Weiss

P.O. Box:

Street Address: 855 Community Drive

City: Sauk City

State: WI

Zip Code: 53583

Phone: 608-644-2297

Email: [TCNS@ramaker.com](mailto:TCNS@ramaker.com)

Structure Type: GTOWER - Guyed Structure Used for Communication Purposes

Latitude: 44 deg 1 min 38.7 sec N

Longitude: 88 deg 54 min 53.6 sec W

Location Description: Cumberland Avenue

City: Berlin

State: WISCONSIN

County: WAUSHARA

Detailed Description of Project (Optional): Cloud 1 Services, LLC proposes to construct a 300 foot guyed tower at Cumberland Avenue in Berlin, Waushara County, Wisconsin. Site location maps and the archaeological survey to follow.

Ground Elevation: 242.6 meters

Support Structure: 91.4 meters above ground level

Overall Structure: 92.7 meters above ground level

Overall Height AMSL: 335.3 meters above sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic Help Request form located on the FCC's website at:

<https://www.fcc.gov/wireless/available-support-services>

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,  
Federal Communications Commission

## Sandra Weiss

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**From:** towernotifyinfo@fcc.gov  
**Sent:** Thursday, June 2, 2022 8:01 AM  
**To:** Ramaker TCNS Consultation  
**Cc:** tcnsweekly@fcc.gov  
**Subject:** Proposed Construction of Communications Facilities Notification of Final Contacts - Email ID #31725

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

CAUTION: This email originated from outside our organization.

Cloud 1 Services, LLC - Czech Lake (WI22069-6421); Job # 54787  
Sandra Weiss  
855 Community Drive  
Sauk City, WI 53583

Dear Applicant:

This letter addresses the proposed communications facilities listed below that you have referred to the Federal Communications Commission (Commission) for purposes of contacting federally recognized Indian Tribes, including Alaska Native Villages (collectively Indian Tribes), and Native Hawaiian Organizations (NHOs), as specified by Section IV.G of the Nationwide Programmatic Agreement (NPA). Consistent with the procedures outlined in the Commission's Wireless Infrastructure Second Report and Order (1), we have contacted the Indian Tribes or NHOs identified in the attached Table for the projects listed in the attached Table. You referred these projects to us between 05/26/2022 and 06/02/2022. Our contact with these Tribal Nations or NHOs was sent on 06/02/2022.

Thus, as described in the Wireless Infrastructure Second Report and Order (2), if you or Commission staff do not receive a statement of interest regarding a particular project from any Tribe or NHO within 15 calendar days of 06/02/2022, your obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete. If a Tribal Nation or NHO responds that it has concerns about a historic property of traditional religious and cultural significance that may be affected by the proposed construction within the 15 calendar day period, the Applicant must involve it in the review as set forth in the NPA, and may not begin construction until the process set forth in the NPA is completed.

You are reminded that Section IX of the NPA imposes independent obligations on an Applicant when a previously unidentified site that may be a historic property, including an archeological property, is discovered during construction or after the completion of review. In such instances, the Applicant must cease construction and promptly notify, among others, any potentially affected Tribal Nation or NHO. A Tribal Nation's or NHO's failure to express interest in participating in pre-construction review of an undertaking does not necessarily mean it is not interested in archeological properties or human remains that may inadvertently be discovered during construction. Hence, an Applicant is still required to notify any potentially affected Tribal Nation or NHO of any such finds pursuant to Section IX or other applicable law.

Sincerely,  
Jill Springer  
Federal Preservation Officer  
Federal Communications Commission

- 1) See Accelerating Wireless Broadband Deployment by Removing Barriers to Infrastructure Deployment, Second Report and Order, FCC 18-30 (Mar. 30, 2018) (Wireless Infrastructure Second Report and Order).
- 2) See id. at paras. 111-112.

LIST OF PROPOSED COMMUNICATIONS TOWERS

TCNS# 247704 Referred Date: 05/31/2022 Location: Cumberland Avenue, Berlin, WI Detailed Description of Project: Cloud 1 Services, LLC proposes to construct a 300 foot guyed tower at Cumberland Avenue in Berlin, Waushara County, Wisconsin. Site location maps and the archaeological survey to follow.

- Tribe Name: Chippewa Cree Tribe of the Rocky Boy's Reservation
- Tribe Name: Keweenaw Bay Indian Community
- Tribe Name: Lac Courte Oreilles Band of Lake Superior Chippewa Indians of Wisconsin
- Tribe Name: Lac Vieux Desert Band of Lake Superior Chippewa Indians
- Tribe Name: Lower Brule Sioux Tribe
- Tribe Name: Menominee Indian Tribe of Wisconsin
- Tribe Name: Mille Lacs Band of Ojibwe Indians
- Tribe Name: Omaha Tribe of Nebraska
- Tribe Name: Ottawa Tribe of Oklahoma
- Tribe Name: Ponca Tribe of Indians of Oklahoma
- Tribe Name: Red Cliff Band of Lake Superior Chippewa Indians of Wisconsin
- Tribe Name: Rosebud Sioux Tribe
- Tribe Name: Sac & Fox Tribe of the Mississippi in Iowa
- Tribe Name: Santee Sioux Nation of Nebraska
- Tribe Name: Shawnee Tribe
- Tribe Name: Turtle Mountain Band of Chippewa
- Tribe Name: Wyandotte Nation
- Tribe Name: Ho-Chunk Nation
- Tribe Name: Iowa Tribe of Oklahoma

TCNS# 247705 Referred Date: 05/31/2022 Location: 3rd Drive, Coloma, WI Detailed Description of Project: Cloud 1 Services, LLC proposes to construct a 300 foot guyed tower at 3rd Drive in Coloma, Waushara County, Wisconsin. Site location maps and the archaeological survey to follow.

- Tribe Name: Chippewa Cree Tribe of the Rocky Boy's Reservation
- Tribe Name: Ho-Chunk Nation
- Tribe Name: Iowa Tribe of Oklahoma
- Tribe Name: Keweenaw Bay Indian Community
- Tribe Name: Lac Courte Oreilles Band of Lake Superior Chippewa Indians of Wisconsin
- Tribe Name: Lac Vieux Desert Band of Lake Superior Chippewa Indians
- Tribe Name: Lower Brule Sioux Tribe
- Tribe Name: Menominee Indian Tribe of Wisconsin
- Tribe Name: Mille Lacs Band of Ojibwe Indians
- Tribe Name: Omaha Tribe of Nebraska
- Tribe Name: Ottawa Tribe of Oklahoma
- Tribe Name: Ponca Tribe of Indians of Oklahoma
- Tribe Name: Red Cliff Band of Lake Superior Chippewa Indians of Wisconsin
- Tribe Name: Rosebud Sioux Tribe
- Tribe Name: Sac & Fox Tribe of the Mississippi in Iowa
- Tribe Name: Santee Sioux Nation of Nebraska
- Tribe Name: Shawnee Tribe
- Tribe Name: Turtle Mountain Band of Chippewa



Tribe Name: Wyandotte Nation

TCNS# 247402 Referred Date: 05/31/2022 Location: Drake Avenue, Stratford, WI Detailed Description of Project: Cloud 1 Services, LLC proposes to construct a 300 foot guyed tower at Drake Avenue in Stratford, Marathon County, Wisconsin. Site location maps and the archaeological survey to follow.

Tribe Name: Miami Tribe of Oklahoma

Tribe Name: Sisseton-Wahpeton Oyate of the Lake Traverse Reservation

TCNS# 247705 Referred Date: 06/01/2022 Location: 3rd Drive, Coloma, WI Detailed Description of Project: Cloud 1 Services, LLC proposes to construct a 300 foot guyed tower at 3rd Drive in Coloma, Waushara County, Wisconsin. Site location maps and the archaeological survey to follow.

Tribe Name: Sisseton-Wahpeton Oyate of the Lake Traverse Reservation

Tribe Name: Miami Tribe of Oklahoma

TCNS# 247704 Referred Date: 06/01/2022 Location: Cumberland Avenue, Berlin, WI Detailed Description of Project: Cloud 1 Services, LLC proposes to construct a 300 foot guyed tower at Cumberland Avenue in Berlin, Waushara County, Wisconsin. Site location maps and the archaeological survey to follow.

Tribe Name: Sisseton-Wahpeton Oyate of the Lake Traverse Reservation

Tribe Name: Miami Tribe of Oklahoma

TCNS# 244686 Referred Date: 05/31/2022 Location: North 60th Avenue, Merrill, WI Detailed Description of Project: Cloud 1 Services, LLC proposes to construct a 300 foot guyed tower at North 60th Avenue in Merrill, Marathon County, Wisconsin. Site location maps and the archaeological survey to follow.

Tribe Name: Miami Tribe of Oklahoma

Tribe Name: Sisseton-Wahpeton Oyate of the Lake Traverse Reservation

TCNS# 242431 Referred Date: 05/31/2022 Location: Damitz Road, Aniwa, WI Detailed Description of Project: Cloud 1 Services, LLC proposes to construct a 300 foot guyed tower at Damitz Road in Aniwa, Marathon County, Wisconsin. Site location maps and the archaeological survey to follow.

Tribe Name: Miami Tribe of Oklahoma

Tribe Name: Sisseton-Wahpeton Oyate of the Lake Traverse Reservation

TCNS# 243380 Referred Date: 05/31/2022 Location: County Road H, Athens, WI Detailed Description of Project: Cloud 1 Services, LLC proposes to construct a 300 foot guyed tower tower at County Road H in Athens, Marathon County, Wisconsin. Site location maps and the archaeological survey to follow.

Tribe Name: Miami Tribe of Oklahoma

Tribe Name: Sisseton-Wahpeton Oyate of the Lake Traverse Reservation

**LEGEND:**

\* - Notification numbers are assigned by the Commission staff for sites where initial contact was not made through TCNS.