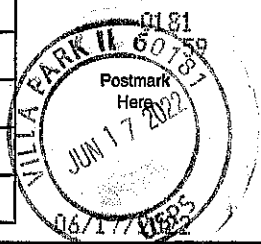


7012 3460 0000 4522 9190

| | |
|--|--------|
| U.S. Postal Service TM | |
| CERTIFIED MAIL TM RECEIPT | |
| (Domestic Mail Only; No Insurance Coverage Provided) | |
| For delivery information visit our website at www.usps.com | |
| Hinsdale, IL 60521 | |
| OFFICIAL USE | |
| Postage | \$3.05 |
| Certified Fee | \$0.00 |
| Return Receipt Fee (Endorsement Required) | \$0.00 |
| Restricted Delivery Fee (Endorsement Required) | \$0.00 |
| Total Postage & Fees | \$3.05 |
| Sent To | |
| A1 Diaz | |
| Street, Apt. No., or PO Box No. | |
| 19 E. Chicago Avenue | |
| City, State, ZIP+4 | |
| Hinsdale, IL 60521 | |
| PS Form 3800, August 2006 | |
| See Reverse for Instructions | |



Electronic Copy Of Application

Submitted via USPS Certified Mail

Postmarked June 17th, 2022



Crown Castle
8020 Katy Freeway
Houston, TX 77024

6/17/2022

Village of Hinsdale
19 E. Chicago Avenue, Hinsdale, Illinois 60521
Attn: Al Diaz
(630) 789-7029

RE: Application for Small Wireless Facility on New Pole in the Village of Hinsdale

Dear Mr. Diaz,

Crown Castle Fiber LLC ("Crown Castle") submits the enclosed consolidated application for one (1) small wireless facility in the Village of Hinsdale right-of-way, in accordance with the Illinois Small Wireless Facilities Deployment Act¹ and with federal law.²

The IL Small Cell Law limits the authority of Illinois local governments (other than Chicago) over small wireless facilities. The IL Small Cell Law provides that "[e]xcept as provided in this Section, an authority may not prohibit, regulate, or charge for the collocation of small wireless facilities." 50 ILCS 840/15(b). Thus, local governments are prohibited from imposing any requirement on small wireless facilities other than those explicitly authorized in the IL Small Cell Law.

Section 50 ILCS 840/15 provides that an applicant cannot be required to provide more information than the authority requires of a communications service provider that is not a wireless provider, with the exception of seven (7) specific items that a local government can require for a small wireless facility application to collocate small wireless facilities on a utility pole or wireless support structure. Those seven (7) permissible items are:

- (A) site specific structural integrity and, for an authority utility pole, make-ready analysis prepared by a structural engineer, as that term is defined in Section 4 of the Structural Engineering Practice Act of 1989;
- (B) the location where each proposed small wireless facility or utility pole would be installed and photographs of the location and its immediate surroundings depicting the utility poles or structures on which each proposed small wireless facility would be mounted or location where utility poles or structures would be installed;
- (C) specifications and drawings prepared by a structural engineer, as that term is defined in Section 4 of the Structural Engineering Practice Act of 1989, for each proposed small wireless facility covered by the application as it is proposed to be installed;
- (D) the equipment type and model numbers for the antennas and all other wireless equipment associated with the small wireless facility;

¹ Enrolled as Public Act 100-0585, 50 ILCS 835/1(2018) was signed into law by Gov. Rauner on April 12, 2018, and took effect on June 1, 2018 (the "IL Small Cell Law").

² 47 U.S.C. §253(a).

(E) a proposed schedule for the installation and completion of each small wireless facility covered by the application, if approved;

(F) certification that the collocation complies with paragraph (6) to the best of the applicant's knowledge; and

(G) the wireless provider's certification from a radio engineer that it operates the small wireless facility within all applicable FCC standards.

Section 13-8-2 of the Hinsdale Code of Ordinances states "In the event that applicable Federal or State laws or regulations conflict with the requirements of this chapter, a wireless provider shall comply with the requirements of this chapter to the maximum extent possible without violating such Federal or State laws or regulations."

Application Requirements

Chapter 8 of the Hinsdale Code of Ordinances, Section 13-8-5(A) & (B), sets forth the following items to be included and/or actions to be taken when an applicant submits an application for the installation of a small wireless facility in the public right-of-way; Crown Castle's response to each requirement is as follows:

1. **Site specific structural integrity and, for an authority utility pole, make-ready analysis prepared by a structural engineer, as that term is defined in Section 4 of the Structural Engineering Practice Act of 1989, *that includes addressing the acceptability of the site for factors such as pole loading from existing utility equipment and conductors as well as the small wireless facility, and that specifically includes evaluations pursuant to American National Standards Institute (ANSI) standards relating to heavy loads and wind;***

Submitted, with the acknowledgment that the italicized portion of the requirement exceeds the authority granted to the Village by the IL Small Cell Law.

2. **The location where each proposed small wireless facility or utility pole would be installed and photographs of the location and its immediate surroundings depicting the utility poles or structures on which each proposed small wireless facility would be mounted or location where utility poles or structures would be installed. *The photographs shall include a digital photo simulation of the proposed location providing "before and after" views demonstrating the true visual impact of the proposed small wireless facilities on the surrounding environment;***

Submitted, with the acknowledgment that the italicized portion of the requirement exceeds the authority granted to the Village by the IL Small Cell Law.

3. **Specifications and drawings prepared by a structural engineer, as that term is defined in Section 4 of the Structural Engineering Practice Act of 1989, for each proposed small wireless facility covered by the application as it is proposed to be installed;**

Submitted.

4. **The equipment type and model numbers for the antennas and all other wireless equipment associated with the small wireless facility;**

Submitted.

5. **To the extent commercially available, technologically compatible with the local network system, and already used in its national or regional wireless network system, the wireless provider is required to install small wireless facilities with antenna and other equipment that have the smallest visual profile;**

The requirement to use the smallest available antenna and equipment is dictating technology choices in violation of federal law; therefore Crown Castle is not required to meet this requirement. *See New York SMSA L.P. v. Town of Clarkstown*, 612 F.3d 97 (2d Cir. 2010) (local governments cannot dictate wireless technology choices).

6. **A proposed schedule for the installation and completion of each small wireless facility covered by the application, if approved;**

Submitted.

7. **Certification that, to the best of the applicant's knowledge, the collocation complies with the written design standards established by the Village, and with the various other requirements set forth in [Chapter 8 of the Hinsdale Code of Ordinances];**

Submitted.

8. **Copies of all licenses, permits and approvals required by or from the Village (i.e. zoning approval, where required), other agencies and units of government with jurisdiction over the design, construction, location and operation of said small wireless facility. The applicant shall maintain such licenses, permits and approvals in full force and effect and provide evidence of renewal or extension thereof when granted;**

Not submitted; this request exceeds the authority granted to the Village by the IL Small Cell Law.

9. **In the event the small wireless facility is proposed to be attached to an existing utility pole or wireless support structure owned by an entity other than the Village, legally competent evidence of the consent of the owner of such pole or wireless support structure to the proposed collocation.**

Not submitted; this request exceeds the authority granted to the Village by the IL Small Cell Law.

10. **Information on whether a pre-application review was conducted by or with Village staff. It is recommended that applicants arrange a review of the proposed location and design of small wireless facilities and new wireless support structures with the Village's director of public services or his or her designee and other applicable staff prior to application. Such review does not constitute approval, but is instead designed to promote administrative efficiency by identifying existing utility conflicts, consideration of possible alternative locations, and other issues that might be readily identified and/or resolved by communication between the applicant and Village staff.**

Not submitted; this request exceeds the authority granted to the Village by the IL Small Cell Law.

11. **Certification from a radio engineer that the small wireless facility will operate within all applicable FCC standards, *including, but not limited to radio frequency emissions, as well as technical data such as the frequencies in use, power output levels and antenna specifications, reasonably necessary to evaluate compliance with maximum permissible exposure levels set by the FCC, as well as a monitoring plan for the applicant's facility capable of tracking and recording the daily***

amounts or levels of radio frequency emissions produced by the equipment, in order to verify on an ongoing basis that the small wireless facility will not exceed applicable FCC radio frequency emissions. In addition, a baseline test of the radio frequency emissions of a small wireless facility shall be performed by the wireless provider, at its sole cost and expense, at the time of initial activation, and the results provided to the Village's director of public services or his or her designee. In addition, when a radio transceiver or antennas are replaced or added to an existing small wireless facility, the wireless provider shall provide certification from a radio engineer that the continuing operation of the small wireless facility complies with all applicable FCC standards, including, but not limited to, radio frequency emissions.

Non-italicized portion submitted, with the acknowledgment that the italicized portion of the requirement exceeds the authority granted to the Village by the IL Small Cell Law.

12. **Proof of all applicable licenses or other approvals required by the FCC, including but not limited to information showing the small wireless facility has received any required review (e.g., environmental assessment and review) by the FCC pursuant to the National Environmental Policy Act ("NEPA"), or is exempt from such requirements. If the applicant claims the small wireless facility is exempt, it must state the basis for the exemption and provide proof, including supporting documents that establish that the facility meets such exemption.**

Not submitted; this request exceeds the authority granted to the Village by the IL Small Cell Law.

13. **A written report that analyzes acoustic levels for the small wireless facility and all associated equipment including, but not limited to, temporary or permanent backup generators, in order to demonstrate compliance with applicable Village noise regulations, including, but not limited to, Section 9-12-2 of the Village Code. The acoustic analysis must be prepared and certified by an engineer and include an analysis of the manufacturers' specifications for all noise-emitting equipment, and a depiction of the proposed equipment relative to all adjacent property lines. In lieu of a written report, the applicant may submit evidence from the equipment manufacturer that the ambient noise emitted from all the proposed equipment, including equipment underground, will not, both individually and cumulatively, exceed the applicable limits.**

Not submitted; this request exceeds the authority granted to the Village by the IL Small Cell Law.

14. **A written description and/or map identifying the geographic service area for the small wireless facility.**

Not submitted; this request exceeds the authority granted to the Village by the IL Small Cell Law.

15. **For work in the public right-of-way, evidence of posting of the security fund as required in Section 7-1G-10 of this code.**

Submitted.

16. **Where installation is proposed in a right-of-way, as defined in this chapter, that consists of an "easement for compatible use", a certified copy of the original easement documents and other supporting documentation demonstrating that the applicant has the right to install, mount, maintain and remove a small wireless facility and associated equipment in or on the easement for the length of the permit. If the applicant is claiming access to the easement as an assignee or successor in interest, the applicant shall, in addition, provide documents demonstrating that its assigned or**

successor rights in the easement are sufficient to allow it to install, mount, maintain and remove the small wireless facility and associated equipment for the length of the permit.

Not submitted; this request exceeds the authority granted to the Village by the IL Small Cell Law.

17. **A master plan which identifies the location of the proposed small wireless facility in relation to all existing and potential locations in the Village that are reasonably anticipated for construction within two (2) years of submittal of the application.**

Not submitted; this request exceeds the authority granted to the Village by the IL Small Cell Law.

18. **The name of the applicant, the name of the wireless service provider on whose behalf the proposed installation is being performed, and any additional parties proposed to be involved in the installation.**

Not submitted; this request exceeds the authority granted to the Village by the IL Small Cell Law.

19. **A sample of the proposed notice to be mailed pursuant to subsection B, below, and a list of intended recipients (including content and mailing envelope).**

Not submitted; this request exceeds the authority granted to the Village by the IL Small Cell Law.

(B) Notice: Within three (3) business days of submission of an application containing all information required by this chapter and any associated regulations, an applicant, at its sole cost and expense, shall provide written notice, by first class United States mail, to the owners and occupants of all real property at the addresses on file with the United States Postal office, and the residential manager for any multi-family dwelling unit that includes ten (10) or more units at the manager's business mailing address, any part of which is located within a two hundred and fifty (250) foot radius of the location of the applicant's proposed small wireless facility. Such notice shall be in a form provided by the Village, as may be revised from time to time, and shall be clearly marked as a notification of proposed small wireless facility installation, identify the applicant and wireless provider(s) who will utilize the facility, and include a plain language description of the proposed facility, the exact location of the proposed facility, photo simulations or illustrations depicting the proposed wireless facility, and the address where comments may be sent to the wireless provider within fifteen (15) calendar days of the date of the notice. In addition, the applicant shall post a sign measuring at least nine (9) inches by twelve (12) inches in a conspicuous location at each proposed location of a small wireless facility installation. Such signs shall be in a form provided by the Village, and shall include an image of the proposed small wireless facility. The applicant shall supplement its application with proof of mailing of required notices no less than two (2) calendar days after mailing of the notices, and an affidavit attesting to the posting of the required signs no less than two (2) days after posting. The applicant shall supplement its application with copies of all email, letter and other written communications received in response to the mailed notice within seventeen (17) days of mailing;

This request exceeds the authority granted to the Village by the IL Small Cell Law.

The Application form provided by the Village of Hinsdale also includes the following requirement:

Sufficiently detailed documentation establishing that the proposed installation will comply with all ordinances or general application pertaining to installations in the right-of-way, right-of-way usage and the National Electric Code.

Not submitted; this request exceeds the authority granted to the Village by the IL Small Cell Law and is discriminatory because it is not required of other occupiers of the right-of-way.

Design Standards

With respect to design standards, the IL Small Cell Law states the following:

An authority may require that... the wireless provider comply with written design standards that are generally applicable for decorative utility poles, or **reasonable stealth, concealment, and aesthetic requirements that are identified by the authority in an ordinance, written policy adopted by the governing board of the authority, a comprehensive plan, or other written design plan that applies to other occupiers of the rights-of-way...**³

The Village sets forth the design, aesthetic, stealth, and concealment standards that apply to the placement of small wireless facilities within the Village (except where otherwise limited by State or federal law) in the General Guidelines and Small Wireless Facility Design, Aesthetic, Stealth and Concealment Standards (updated January 21, 2022) (the "Design Standards"). Crown Castle has adhered to these to the maximum extent possible, subject to state and federal law, and technical feasibility. Crown Castle draws particular attention to the following Design Standards:

- **Top mounted antennas and their enclosures shall be mounted directly above the utility pole... and shall not extend beyond the diameter of the utility pole... at the level of the antenna attachment... There must be a smooth transition between the utility pole and the antenna and enclosure.**

It is technically infeasible for the antenna to not extend beyond the diameter of the utility pole and to have a smooth transition between the utility pole and the antenna and enclosure. Crown Castle is utilizing three Ericsson 6705 radios with integrated antennas for this small cell. These radios must be installed in a tripod array in order to function properly. Due to the presence of ComEd primary power supply lines which are attached to the top of the pole, Crown Castle's antennas must be installed on an extension arm. Finally, any tapering "skirt" or other aesthetic device, installed for the purpose of creating a smooth transition, would endanger the primary power lines that are attached to the top of the pole.

Due to these factors, it is not physically possible to install the antennas directly above the utility pole, nor for their diameter to not extend beyond the diameter of the utility pole, nor to create a smooth transition between the utility pole and the antennas.

- **Side-mounted small wireless facility antennas within a shroud enclosure and side-mounted small wireless facility equipment enclosures shall be, if possible, flush mounted to the utility pole or wireless support structure at the level of the attachment. *If not flush mounted, metal flaps or "wings" shall extend from the enclosure to the utility pole or wireless support structure to conceal any gap between the small wireless facility and the utility pole or wireless support structure.* The design of the flaps shall be integrated with the design of the small wireless facility, and shall be the same color.**

³ 50 ILCS 840/15(d)(6)(H).

It is technically infeasible to install metal flaps or wings extending from the enclosure to the utility pole to conceal any gap between the small wireless facility and the utility pole. ComEd states in their standards for Communications Antenna Operated by Others that "all third party equipment on poles shall be constructed and maintained to provide an unobstructed vertical climbing space... reference NESC Rule 236." Metal flaps or wings extending from the enclosure to the utility pole to conceal any gap between the small wireless facility and the utility pole will interfere with the vertical climbing space required by ComEd.

- **Small wireless facility equipment shall not be mounted within two hundred (200) feet of any residence.**

This Design Standard amounts to a prohibition of service in all residential areas of the Village and is therefore a violation of federal law.⁴ It is also discriminatory in violation of both state⁵ and federal law⁶ because it is not applied to other occupiers of the right-of-way or providers of functionally equivalent services.

- **Small wireless facilities may not be collocated on... new, non-replacement wood poles.**

This Design Standard is a violation of the IL Small Cell Law which states "an authority may not require the placement of small wireless facilities on any... category of utility poles..."⁷ It is also discriminatory in violation of the IL State Small Cell Law because it does not apply this Design Standard to other occupiers of the right-of-way.

- **The wireless provider is required to install wireless facilities with antenna and other equipment that has the smallest visual profile to the extent commercially available, technologically compatible with the local network system and already used in its national or regional wireless network system.**

The requirement to use the smallest available antenna and equipment is dictating technology choices in violation of federal law. See *New York SMSA L.P. v. Town of Clarkstown*, 612 F.3d 97 (2d Cir. 2010) (local governments cannot dictate wireless technology choices).

- **Any Design Standards that do not apply to other occupiers of the right-of-way are preempted by the IL Small Cell Law.**

Alternative Sites

The IL Small Cell Law states that when an applicant submits "an application for the collocation of a small wireless facility associated with a new utility pole, an authority may propose that the small wireless facility be collocated on an existing utility pole or existing wireless support structure within 200 feet of the proposed collocation, which the applicant shall accept if it has the right to use the alternate structure on reasonable terms and conditions and the alternate location and structure does not impose technical limits or additional material costs as determined by the applicant."⁸

⁴ 47 U.S.C. §253(a), 47 U.S.C. §332(c)(7)(i)(II).

⁵ 50 ILCS 840/15(d)(6)(H).

⁶ 47 U.S.C. §332(c)(7)(i)(I).

⁷ 50 ILCS 840/15(d)(3).

⁸ *Id.*

There are two (2) existing utility poles within 200 feet of the new pole proposed in this application (see appendix A). Both of these existing utility poles are streetlight-only poles owned by ComEd. ComEd states in their standards for Communications Antenna Operated by Others that "antenna and power supply shall not be installed... onto streetlight only poles." Therefore, Crown Castle cannot collocate its equipment on either of the existing utility poles within 200 feet of this proposed new pole.

Application Enclosures

In light of the foregoing, included in this application are the following documents:

- A Village of Hinsdale Small Wireless Facility Application Form
- A complete drawing plan of the proposal, which includes coordinates of the location, photos of the proposed wireless facility on the existing pole, and equipment types and model numbers
- A Structural Analysis, which demonstrates that the proposed replacement pole is capable of handling the proposed small cell equipment
- A Certificate of Insurance
- A Cover Letter, List of Facilities, Statement of Compliance

Below you will also find a summary of information about the proposed installation, a proposed construction start date, and a statement of compliance. Crown Castle understands that the Village of Hinsdale has 120 days to review this application, and therefore the proposed construction start date can be moved if necessary.

If, during your review, you require any additional information, please feel free to contact me at (630) 480-5227. Thank you very much for your time and attention.

Sincerely,

Samuel Franklin

Supervisor, Network Permitting & Utilities

T: (630) 480-5227

westernsuburbs@crowncastle.com

Electronic Copy Of Application

Submitted via USPS Certified Mail

Postmarked June 17th, 2022

List of Wireless Facilities

(includes proposed schedule for installation)
(next page)

| Small Cell Nickname / SCU | Latitude | Longitude | Pole Owner | Current Pole Height | Replacement Pole Height (feet) | Extension Arm Length (feet) | Equipment Volume (cubic feet) | Construction Start Date (tentative) | Construction Finish Date (tentative) |
|---------------------------------|-----------------|-----------------|--------------|---------------------------|--------------------------------------|-----------------------------------|-------------------------------------|--|---|
| HINSDALEA_134 / | N041° 47' 29.9" | W087° 54' 44.1" | Crown Castle | n/a | 34' | n/a | 3.75 | 10/10/2022 | 12/10/2022 |

Electronic Copy Of Application

Submitted via USPS Certified Mail

Postmarked June 17th, 2022

Application Forms

SMALL WIRELESS FACILITIES PERMIT APPLICATION
&
SWF Supplemental Application

THIS CHECK PRINTED ON DOCUCHECK GHOST PAPER AND HAS A GRAPHIC WATERMARK ON REVERSE SIDE

CROWN CASTLE USA INC.
2000 CORPORATE DRIVE
CANONSBURG PA 15317
724-416-2000

JPMorgan Chase Bank, N.A.
DALLAS TX
32-61/1110

2786704

ONE THOUSAND AND 00/100*****

DATE 06/01/22

\$*****1,000.00

Pay To VILLAGE OF HINSDALE, IL
The 19 E CHICAGO AVENUE
Order Of HINSDALE IL 60521

1780673

Robert A. Call VP and Controller
[Signature] Asst. Controller

VOID AFTER 180 DAYS

SMALL WIRELESS FACILITIES PERMIT APPLICATION

Separate Application Required for each Antenna

APPLICANT INFORMATION

| | |
|--|-----------------------------------|
| Applicant Name: Crown Castle Fiber LLC | Date of Application: 6/17/2022 |
| Applicant is a: <input checked="" type="checkbox"/> Wireless Provider <input type="checkbox"/> Representative <input type="checkbox"/> Other (please specify): | |

WIRELESS PROVIDER INFORMATION

| | | |
|---|--|--------------------|
| Wireless Provider Name: Crown Castle Fiber LLC | | |
| Wireless Provider Address: 8020 Katy Fwy | | |
| City: Houston | State: TX | ZIP Code: 77024 |
| Phone: 630-480-5227 | Email: westernsuburbs@crowncastle.com | |

CONTACT PERSON FOR THIS PROJECT

| | | |
|--|--|--------------------|
| Contact Person Name: Sam Franklin | | |
| Contact Person Address: 8020 Katy Fwy | | |
| City: Houston | State: TX | ZIP Code: 77024 |
| Phone: 630-480-5227 | Email: westernsuburbs@crowncastle.com | |

PROPOSED SITE LOCATION

| | |
|--|--|
| Property Address: SEC 7, T38N-R12E; New Wood Utility pole approximately 45' east of the intersection of Woodland Ave & Taft Road | |
| Closest Intersection (Distance and Direction from): 45' east of the intersection of Woodland Ave & Taft Road. | Right of Way <input checked="" type="checkbox"/> |
| | Private Property <input type="checkbox"/> |
| Zoning District: | PIN (if not right-of-way): n/a |

EXISTING UTILITY POLE/WIRELESS SUPPORT STRUCTURE INFORMATION

| | | | |
|--|---|--------------------|-------------------------------------|
| Does the Project Involve a New Pole? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | |
| Pole/Structure ID Number: n/a | Height of Pole/Wireless Support Structure (feet): 34'-0" | Pole Color: n/a | Pole Type: <input type="checkbox"/> |
| Existing Attachment(s) on Utility Pole/Wireless Support Structure? (e.g., banners, light fixtures) Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, please specify: | | | |

Village of Hinsdale
Community Development Department
19 E. Chicago Ave., Hinsdale IL. 60521

| | | |
|---|-------------|--------------------------------|
| Owner of Pole/Wireless Support Structure: | | |
| Crown Castle Fiber LLC | | |
| Name of Pole/Wireless Support Structure Representative: | | |
| Address: | | |
| 8020 Katy Fwy | | |
| City: | State: | ZIP Code: |
| Houston | TX | 77024 |
| Office Phone: | Cell Phone: | E-mail: |
| 630-480-5227 | | westernsuburbs@crowncastle.com |
| NOTE: If the proposed Small Wireless Facility is to be attached to an existing pole owned by an entity other than the Village, the Applicant/Wireless Provider must, with the application, provide legally competent evidence of the consent of the Owner of the Pole to the proposed collocation. Permission Received: Yes <input type="checkbox"/> No <input type="checkbox"/> | | |

Village of Hinsdale
 Community Development Department
 19 E. Chicago Ave., Hinsdale IL. 60521

| PROPERTY OWNER INFORMATION (IF PROPERTY NOT VILLAGE-OWNED RIGHT-OF-WAY) | | |
|---|---|--|
| Property Owner Name: Crown Castle Fiber LLC | | |
| Property Owner Address: 8020 Katy Fwy | | |
| City: Houston | State: TX | ZIP Code: 77024 |
| Phone: 630-480-5227 | | Email: westernsuburbs@crowncastle.com |
| NOTE: If the Small Wireless Facility is to be attached to an existing or new pole or wireless support structure located on property that is not Village-owned right-of-way, the Applicant/Wireless Provider must provide legally competent evidence of the consent of the Private Property Owner to the proposed collocation. Permission Received: Yes <input type="checkbox"/> No <input type="checkbox"/> | | |
| CONTRACTOR INFORMATION | | |
| Name of Contractor: TBD | Type of Contractor: General Contractor | |
| 1. | | |
| 2. | | |
| 3. | | |
| All contractors performing work in the Village must be [licensed/registered] by the Village prior to the issuance of any permit. Please provide appropriate proof of contractor licensing. | | |
| OTHER APPROVALS | | |
| If any of the Projects are situated within rights-of-way of the Illinois Department of Transportation or of the DuPage/Cook County Highway Department, then additional permits from those entities must be obtained and provided as part of this application before a permit may issue. | | |
| | | |

APPLICATION CHECKLISTS AND REQUIREMENTS

Each Application must be accompanied by the following to be deemed complete:

1. Site specific structural integrity and, for a Village utility pole, make-ready analysis prepared by a structural engineer, as that term is defined in Section 4 of the Structural Engineering Practice Act of 1989;
2. The location where each proposed small wireless facility, utility pole or wireless support structure would be installed and digital photographs of the location and its immediate surroundings depicting the utility poles or structures on which each proposed small wireless facility would be mounted or location where utility poles or structures would be installed. The photographs shall include a digital photo simulation of the proposed location providing "before and after" views, demonstrating the true visual impact of the proposed wireless facilities on the surrounding environment;
3. Specifications and drawings prepared by a structural engineer, as that term is defined in Section 4 of the Structural Engineering Practice Act of 1989, for each proposed small wireless facility covered by the application as it is proposed to be installed;
4. The equipment type and model numbers for the antennas and all other equipment associated with the small wireless facility;
5. A proposed schedule for the installation and completion of each small wireless facility, utility pole and wireless support structure covered by the application, if approved;
6. A traffic plan, if necessary;
7. Copies of all licenses, permits and approvals required by or from the Village (i.e. zoning approval, where required), other agencies and units of government with jurisdiction over the design, construction, location and operation of said small wireless facility. The applicant shall maintain such licenses, permits and approvals in full force and effect and provide evidence of renewal or extension thereof when granted;
8. In the event the small wireless facility is proposed to be attached to an existing utility pole or wireless support structure owned by an entity other than the Village, legally competent evidence of the consent of the owner of such pole or wireless support structure to the proposed collocation;
9. In the event the small wireless facility is to be located on private property outside of the right-of-way, legally competent evidence of the consent of the owner of such property to the proposed collocation;
10. Application Fee(s);
11. If the proposed installation includes ground-mounted equipment, compliance with any applicable Village standards, including, where required: a landscape plan showing specific landscape materials, method of fencing, finished color and, if applicable, the method of camouflage or concealment;
12. Copy of existing Master Pole Attachment Agreement with the Village relative to Small Wireless Facilities, if any, if seeking to locate on a Village owned utility pole or wireless support structure;
13. Sufficiently detailed documentation establishing that the proposed installation will comply with all ordinances of general application pertaining to installations in the right-of-way, right-of-way usage and the National Electric Code; and
14. Proof of minimum mandatory insurance, including self-insured retentions.

| ATTESTATION, ACKNOWLEDGMENT & SIGNATURE | |
|--|-------------------------------------|
| <p>I attest, to the best of my knowledge and belief, that the information stated in this application and in all supporting plans and documents is true and accurate. In addition, to the best of my knowledge and belief, the proposed collocation of the small wireless facility sought by this application complies with the written design standards established by the Village, and with the various other requirements set forth in the Small Wireless Facilities Deployment Act (P.A. 100-585), Title 7 of the Village Code, and other applicable provisions of the Village Code.</p> <p>This is an application only. Completion of this application does <u>NOT</u> entitle the applicant to commence construction. I, the applicant, agree to conform to all applicable laws of the Village. I also agree that all work performed will be in accordance with the plans and specifications as set forth in the approved permit. I understand that the approval of this application and issuance of a permit does not obviate the need to comply with all applicable laws and ordinances. I agree to hold harmless and indemnify the Village for any claim against the Village as the result of any act of commission or omission by or on behalf of the undersigned, his/her agent, principle, contractor, subcontractor or supplier. I, the undersigned, am the duly authorized and contracted representative of the applying entity/owner of the small wireless facility.</p> | |
| Signature of Applicant:  | Date: <u>6/15/2022</u> |
| Printed Name of Applicant: <u>Crown Castle Fiber LLC (Sam Franklin)</u> | Title: <u>Permitting Supervisor</u> |
| State of <u>IL</u> County of <u>Du Page</u> | |
| Signed and sworn (or affirmed) to before me on <u>15th</u> day of <u>June</u> by <u>Anthony E. Mistretta</u>  | |
| Signature of Notary Public <div style="float: right; border: 2px solid black; padding: 5px; text-align: center;"> ANTHONY MISTRETTE Official Seal Notary Public, State of Illinois My Commission Expires <u>Aug 29, 2022</u> My Commission <u>Notary Public</u> </div> | |
| **FOR ADMINISTRATIVE USE ONLY** | |
| Date Application was submitted: | |
| Application Is: <input type="checkbox"/> Complete <input type="checkbox"/> Incomplete | |
| If incomplete, date the Applicant was notified: | |
| Missing documents or information: | |
| Date Application was approved <input type="checkbox"/> denied <input type="checkbox"/> | |
| Missing documents or information: | |

VILLAGE OF HINSDALE, ILLINOIS
Small Wireless Facility
("SWF")
Required Supplemental Application

This SWF Supplemental Application and the required plans as required below must be included with each proposed application to install a SWF in the Village of Hinsdale, Illinois. This Small Wireless Facility ("SWF") Supplemental Application cannot be submitted alone; it must be attached to the Village of Hinsdale's current 'Application for a Wireless Facility' form.

Project Address/ Location: SEC 7, T38N-R12E; New Wood Utility pole approximately 45' east of Woodland Ave & Taft Road

Applicant's Project ID: Hinsdale - 134 - 507796

Village of Hinsdale's Project ID (if known):

Attach to the plans you submit with the Village of Hinsdale's Application for a Wireless Facility a 100% complete Zoning Drawing page (referred to as a "ZD-100" level drawing). Title that ZD-100 page "SWF-1". The ZD-100 must use the same size and scale as for the balance of the zoning drawings submitted to the Village of Hinsdale. The ZD-100 must provide discrete name/identification, dimensions, and volume of every component of the proposed small wireless facility. **All dimensions must be shown in decimal feet (ft), and all volumes must be shown decimal cubic feet (ft³).** If additional plan pages are required to meet the specifications required herein add additional ZD-100 pages sequentially titled as "SWF-2" ... "SWF-3" ... etc.

Provide every element proposed in connection with the small wireless facility (even if concealed within Village of Hinsdale-required camouflage elements) including and not limited to:

- (a) Every electronic equipment component or cabinet of every type (e.g. radio transmission; backhaul; interconnection; etc.);
- (b) Every support structure added for this project (e.g., new and replacement poles of every type such as light standards, H-Frames, pole offset brackets/sleds, all cable trays of all types, etc.);
- (c) All conduits above and below ground, cables not within conduits, and interconnecting equipment;
- (d) All surface-mounted and sub-surface structures not already disclosed;





- (e) All electric utility and grounding equipment associated with the facility (e.g. disconnect switches, electric meters, pedestals, remote power sources, etc.);
- (f) All foundations, whether physically attached to the ground or a structure, or weighted to rest about, above, or below a structure; and
- (g) Each and every other element of the small wireless facility not disclosed in (a)-(f) above.




For every element disclosed in (a)-(g) above on the ZD-100 drawing, also list in table form the discrete name/identification, dimensions, and volumes. Provide the volumetric sum of every item listed at the bottom of the table. The table should appear very similar to the following example, and must contain all of the columns show in the example:

| Call out | Description of Element | Cubic Volume of Element | Village of Hinsdale's Use Only |
|---------------|------------------------|---|--------------------------------|
| 1 | Concrete Foundation | 6.2 ft ³ | |
| 2 | H-Frame | 2.4 ft ³ | |
| 3 | Conduit 1 | 3.4 ft ³ | |
| 4 | Conduit 2 | 4.1 ft ³ | |
| <hr/> | | | |
| 21 | Remote Radio Unit | 1.1 ft ³ | |
| 23 | DC Surge Prot. | 0.4 ft ³ | |
| 24 | Pwr. Meter Ped. | 5.1 ft ³ | |
| [LEAVE BLANK] | | Total of above = _____ ft ³ | [LEAVE BLANK] |

Separately, on the ZD-100 drawing, identify and provide the height-width-depth (or height-radius for canister/cylindrical antennas) dimensions of every antenna proposed for the SWF project, including without limitation to panel antennas, omni-directional antennas, GPS-antennas, LMU antennas, microwave antennas, millimeter wave antennas, any every other type of antenna to

be placed at the SWF. For each antenna, also provide a call-out listing the volume including the dimensions of the mounting bracket if such a bracket is integrated into the antenna. Note that if the mounting bracket is not integrated into the antenna, it must be listed as part of (g) above. For every antenna, on the SWF-1 drawing, also list in table form the discrete identification, dimensions, and volumes of all antennas. The table should appear very similar to the following example, and must contain all of the columns show in the example:

| Call out | Description of Element | Cubic Volume of Element | Village of Hinsdale's Use Only |
|---|------------------------|-------------------------|--------------------------------|
|  | Panel 1 | 5.5 ft ³ | |
|  | Panel 2 | 5.5 ft ³ | |
|  | Panel 3 | 5.5 ft ³ | |
|  | Omni 1 | 2.1 ft ³ | |

| | | | |
|---|-------------|---------------------|---------------|
|  | GPS 1 | 1.0 ft ³ | |
|  | Microwave 1 | 3.0 ft ³ | |
|  | LMU 1 | 0.5 ft ³ | |
| Insert total number of antennas here _____ | | [LEAVE BLANK] | [LEAVE BLANK] |

All ZD-100 pages submitted in response to this SWF Required Supplemental Application must be wet stamped/sealed and signed by a qualified State of Illinois-licensed/registered professional engineer.

[Balance of page intentionally left blank]

There is/are 10 SWF Plan page(s) associated with this Small Wireless Facility ("SWF") Supplemental Application. The Plan page number(s) is/are SWF- 1 through SWF- 5.1.

Applicant's Certification: On behalf of the Applicant, I have reviewed the submittal specifications and have provided the ZD-100 Plan pages as required in this Small Wireless Facility ("SWF") Supplemental Application. I understand and acknowledge that this Small Wireless Facility ("SWF") Supplemental Application can only be filed in conjunction with the submittal of the Village of Hinsdale's current 'Application for a Wireless Facility' form.



Applicant's Signature

Crown Castle Fiber LLC (Sam Franklin, Permitting Supervisor)

Applicant's Printed Name and Title

6/17/2022

Date Signed by Applicant

[Balance of page intentionally left blank]

Electronic Copy Of Application

Submitted via USPS Certified Mail

Postmarked June 17th, 2022

Certificate of Compliance with Hinsdale
Code of Ordinance



Crown Castle
8020 Katy Freeway
Houston, TX 77024

6/14/2022

Village of Hinsdale
19 E. Chicago Avenue, Hinsdale, Illinois 60521
Attn: Al Diaz
(630) 789-7029

RE: Certification of compliance with written design standards and other requirements set forth in Hinsdale Code of Ordinances

Dear Mr. Diaz,

Crown Castle certifies that, to the best of its knowledge, the collocation complies with the written design standards established by the Village, and with the various other requirements set forth in Chapter 8 of the Hinsdale Code of Ordinances, to the extent that they do not conflict with State and/or Federal Law.

Sincerely,

A handwritten signature in blue ink, appearing to read 'S. Franklin', with a stylized flourish at the end.

Sam Franklin
Permitting Supervisor

Electronic Copy Of Application

Submitted via USPS Certified Mail

Postmarked June 17th, 2022

Certification of Compliance

(State & Federal Law)

(FCC Standards)

(next page)

Statement of Compliance with paragraph (6) of Illinois Public Act 100-0585

On behalf of Crown Castle Fiber LLC ("Applicant"), I hereby certify:

The Applicant certifies that the collocations proposed in its application will operate within all applicable FCC standards to the best of the applicant's knowledge. The information provided by Applicant in this application is hereby certified as true and correct as of the date submitted.

On behalf of Crown Castle Fiber LLC:

A handwritten signature in black ink, appearing to read "Shawn P. Dugan", with a stylized flourish at the end.

Shawn P. Dugan
Manager of RF Engineering, Central Region
T: (724) 416-9129
Shawn.Dugan@crowncastle.com

Electronic Copy Of Application

Submitted via USPS Certified Mail

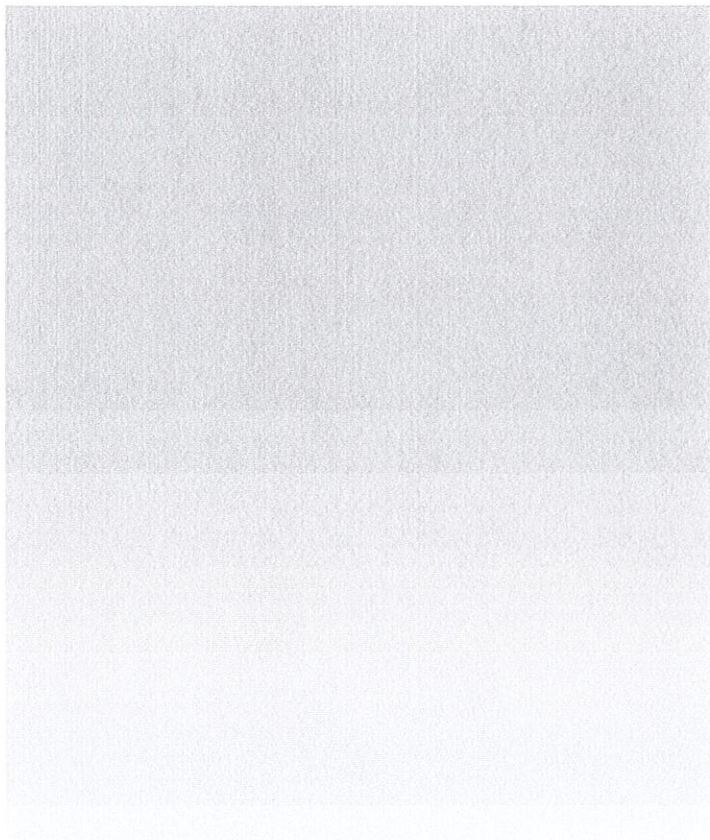
Postmarked June 17th, 2022

Structural Analysis

(next page)

Structural Calculations

Permit 5/02/21



Project:

Wood Utility Pole Structural Analysis
Proposed Small Cell Node
Crown Castle ID: **CTRL_HINSDALEA_134**
Customer ID: **539494**
Taft Rd & Woodland Ave SC
Hinsdale, IL 60521

Client:

CCSI Networks
5101 Thatcher Rd.
Downers Grove, IL 60515

Structural Engineer:

Antonio S. Antonio, Jr., P.E., S.E.
S.E. 081-004652
Exp. 11-30-2022
Project No. **20-04-110.3**
Tel. 773-769-2672



ANTONIO AND ASSOCIATES, P.C.

CONSULTING ENGINEERS



ANTONIO AND ASSOCIATES, P.C.

Consulting Engineers

Structural Calculations

Project:

Wood Utility Pole Structural Analysis
Proposed Small Cell Node
Crown Castle ID: **CTRL_HINSDALEA_134**
Customer ID: **539494**
Taft Rd & Woodland Ave SC
Hinsdale, IL 60521

Client:

CCSI Networks
5101 Thatcher Rd.
Downers Grove, IL 60515

Purpose:

Provide structural analysis of proposed new utility pole designated for the installation of new small cell equipment.

Design Criteria:

Applicable Code:

- 2017 National Electric Safety Code (NESC)
- ANSI O5.1-2015 (Wood Pole Specifications & Dimensions)

NESC Construction Grade:

- Grade B

NESC Loading District:

- Heavy

NESC Loading:

- Rule 250B: Combined Ice and Wind District Loading
- Rule 250C (Not Applicable < 60ft)

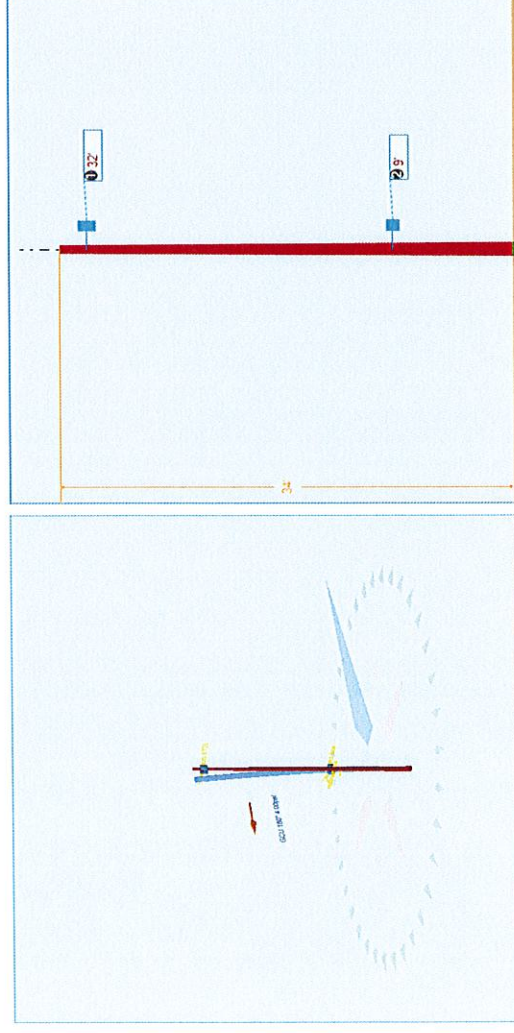
Proposed Small Cell Equipment:

| Quantity | Description | Model Number | Attachment Ht. | Dimensions | Wt. |
|----------|------------------|------------------|-------------------|-----------------|--------------|
| 3 | NR Antenna | Ericsson 6705 NR | See Node Drawing | 14.4"x7.9"x5.9" | 31 lbs (ea.) |
| 1 | T-12 Hoffman Box | Fiber Demarc | See Node Drawing | 8.7"x11.7"x4.6" | 13.7 lbs |
| 1 | AC Disc. Box | Load Center | See Node Drawing | 10"x13"x4.5" | 10 lbs |

Conclusion:

Based on the Pole Loading Analysis performed, see attached **Ref.1**, the wood utility pole is **structurally adequate** to support the installation of the proposed small cell equipment.

| | | | | | | | |
|------------|-------|-------------------------|---------------|----------------------|--------------|-----------------------|-----------------|
| Pole Num: | Unset | Pole Length / Class: | 40 / 4 | Code: | NESC | Structure Type: | Unguyed Tangent |
| Aux Data 1 | Unset | Species: | SOUTHERN PINE | NESC Rule: | Rule 250B | Status | Unguyed |
| Aux Data 2 | Unset | Setting Depth (ft): | 6.00 | Construction Grade: | B | Pole Strength Factor: | 0.65 |
| Aux Data 3 | Unset | G/L Circumference (in): | 33.50 | Loading District: | Heavy | Transverse Wind LF: | 2.50 |
| Aux Data 4 | Unset | G/L Fiber Stress (psi): | 8,000 | Ice Thickness (in): | 0.50 | Wire Tension LF: | 1.10 |
| Aux Data 5 | Unset | Allowable Stress (psi): | 5,200 | Wind Speed (mph): | 39.53 | Vertical LF: | 1.50 |
| Aux Data 6 | Unset | Fiber Stress Ht. Reduc: | No | Wind Pressure (psf): | 4.00 | | |
| Latitude: | | 0.000000 Deg | Longitude: | | 0.000000 Deg | Elevation: | 0 Feet |



| Pole Capacity Utilization (%) | Height (ft) | Wind Angle (deg) |
|-------------------------------|-------------|------------------|
| Maximum | 11.4 | 180.0 |
| Groundline | 11.4 | 180.0 |
| Vertical | 4.7 | 180.0 |

| Pole Moments (ft-lb) | Load Angle (deg) | Wind Angle (deg) |
|----------------------|------------------|------------------|
| Max Cap Util | 5,722 | 180.0 |
| Groundline | 5,722 | 180.0 |
| GL Allowable | 51,583 | |

| Groundline Load Summary - Reporting Angle Mode: Load - Reporting Angle: 180.0° | | | | | | | |
|--|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|
| | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) |
| GenericEquipments | 69 | 21.8 | 1,498 | 26.2 | 2.9 | 152 | 175 |
| Pole | 246 | 78.2 | 4,224 | 73.8 | 8.2 | 428 | 1,278 |
| Pole Load | 314 | 100.0 | 5,722 | 100.0 | 11.1 | 579 | 1,453 |
| Pole Reserve Capacity | | | 45,861 | | 88.9 | 4,621 | |
| | | | | | | | 2 |
| | | | | | | | 14 |
| | | | | | | | 16 |
| | | | | | | | 154 |
| | | | | | | | 442 |
| | | | | | | | 595 |
| | | | | | | | 4,605 |
| | | | | | | | 3.0 |
| | | | | | | | 8.5 |
| | | | | | | | 11.5 |
| | | | | | | | 88.5 |

Load Summary by Owner - Reporting Angle Mode: Load - Reporting Angle: 180.0°

| | Shear Load* (lbs) | Applied Load (%) | Bending Moment (ft-lb) | Applied Moment (%) | Pole Capacity (%) | Bending Stress (+/- psi) | Vertical Load (lbs) | Vertical Stress (psi) | Total Stress (psi) | Pole Capacity (%) |
|-------------|-------------------|------------------|------------------------|--------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|-------------------|
| <Undefined> | 69 | 21.8 | 1,498 | 26.2 | 2.9 | 152 | 175 | 2 | 154 | 3.0 |
| Pole | 246 | 78.2 | 4,224 | 73.8 | 8.2 | 428 | 1,278 | 14 | 442 | 8.5 |
| Totals: | 314 | 100.0 | 5,722 | 100.0 | 11.1 | 579 | 1,453 | 16 | 595 | 11.5 |

Detailed Load Components:

| Generic Equipment | Owner | Height (ft) | Horiz. Offset (in) | Offset Angle (deg) | Rotate Angle (deg) | Unit Weight (lbs) | Unit Height (in) | Unit Depth (in) | Unit Diameter (in) | Unit Length (in) | Offset Moment* (ft-lb) | Wind Moment* (ft-lb) | Moment at GL* (ft-lb) |
|-------------------|------------------|-------------|--------------------|--------------------|--------------------|-------------------|------------------|-----------------|--------------------|------------------|------------------------|----------------------|-----------------------|
| Box | Streetmacro 6705 | 32.00 | 6.51 | 0.0 | 0.0 | 31.00 | 16.20 | 6.10 | — | 8.10 | -25 | 467 | 441 |
| Box | Streetmacro 6705 | 32.00 | 6.51 | 120.0 | 0.0 | 31.00 | 16.20 | 6.10 | — | 8.10 | 13 | 380 | 393 |
| Box | Streetmacro 6705 | 32.00 | 6.51 | 240.0 | 0.0 | 31.00 | 16.20 | 6.10 | — | 8.10 | 13 | 380 | 393 |
| Box | Disconnect Box | 9.00 | 7.96 | 0.0 | 0.0 | 10.00 | 12.60 | 4.30 | — | 8.90 | -10 | 112 | 102 |
| Box | Hoffman Box | 9.00 | 8.81 | 180.0 | 0.0 | 13.70 | 16.00 | 6.00 | — | 10.00 | 15 | 160 | 175 |
| Totals: | | | | | | | | | | | 5 | 1,499 | 1,504 |

Pole Buckling

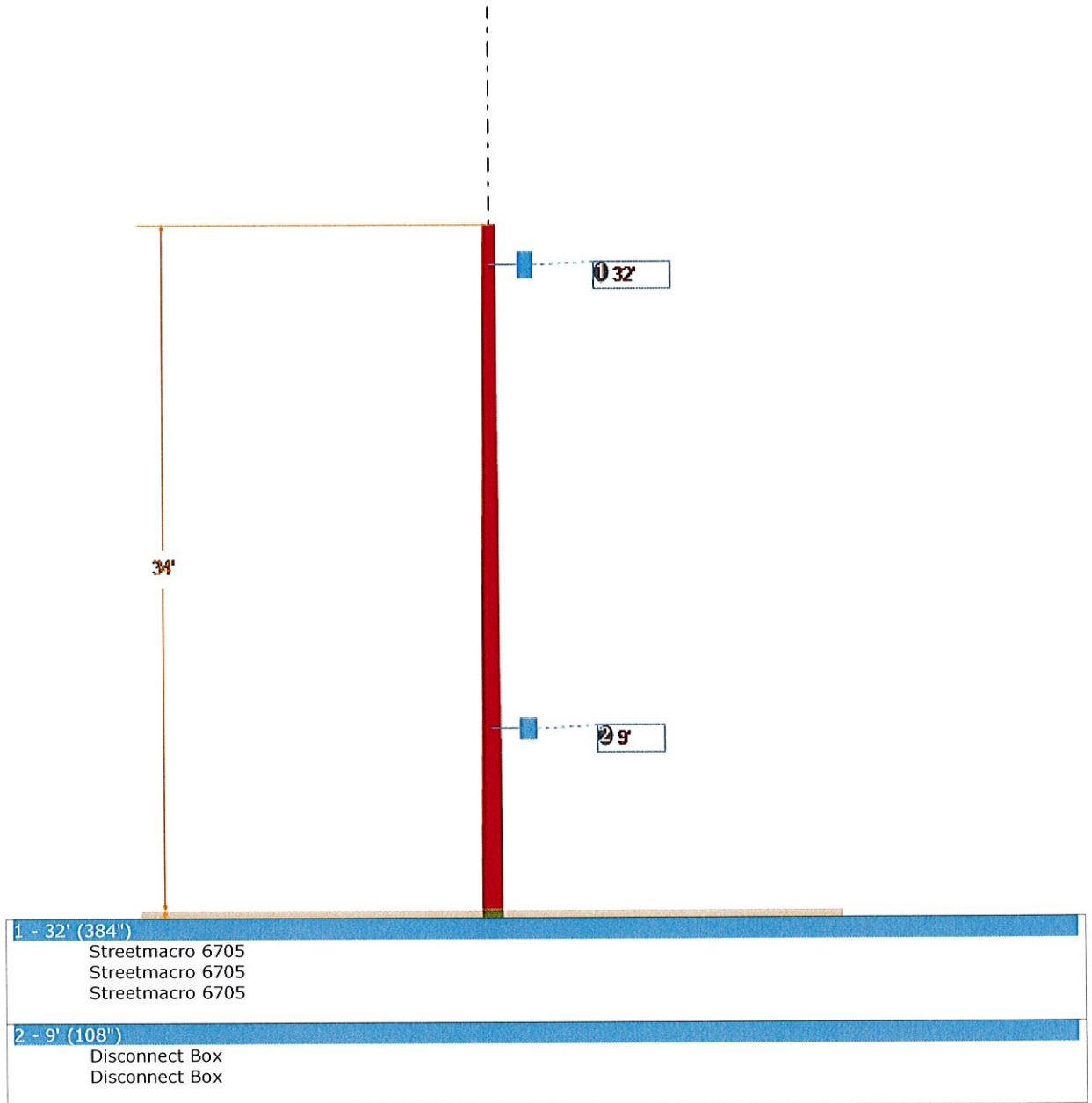
| Buckling Constant | Buckling Column Height* (ft) | Buckling Section Height (% Buckling Col. Hgt.) | Buckling Section Diameter (in) | Minimum Buckling Diameter at GL (in) | Diameter at Tip (in) | Diameter at GL (in) | Modulus of Elasticity (psi) | Pole Density (pcf) | Ice Density (pcf) | Pole Tip Height (ft) | Buckling Load Capacity at Height (lbs) | Buckling Load Applied at Height (lbs) | Buckling Load Factor of Safety |
|-------------------|------------------------------|--|--------------------------------|--------------------------------------|----------------------|---------------------|-----------------------------|--------------------|-------------------|----------------------|--|---------------------------------------|--------------------------------|
| 2.00 | 16.85 | 32.77 | 10.02 | 9.08 | 6.69 | 10.67 | 1.60e+6 | 60.00 | 57.00 | 34.00 | 31,031 | 309.10 | 21.28 |

O-Calc® Pro Schematic View

Pole Identification: 507796

Report Created: 4/30/2022

File: Pole_507796_pplx.pplx



Electronic Copy Of Application

Submitted via USPS Certified Mail

Postmarked June 17th, 2022

Specifications and Drawing Plans

(includes photographs of site location)

(equipment types and model numbers)

(next page)



1 EXISTING CONDITION
SCALE: NONE



2 PROPOSED POLE
SCALE: NONE

ENGINEER:
CCSI
NETWORKS
A NETWORK CONNEX COMPANY
5101 THATCHER RD.
DOWNERS GROVE, IL 60515
OFFICE 630.572.9999 • FAX 630.572.9998

OWNER:
CROWN CASTLE
CROWN CASTLE FIBER
7220 N. SAM HOUSTON PARKWAY WEST
SUITE 500
HOUSTON, TX 77604

CONTRACTOR:
TBD

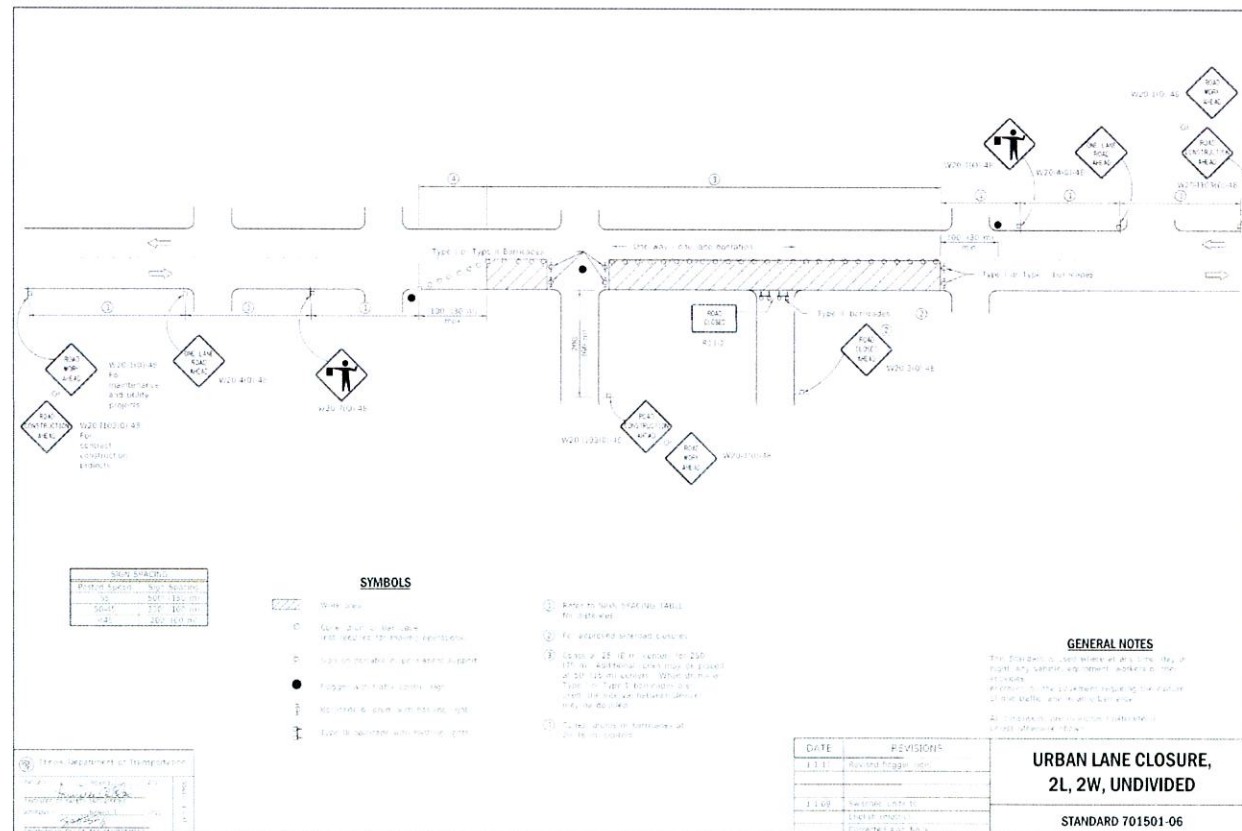
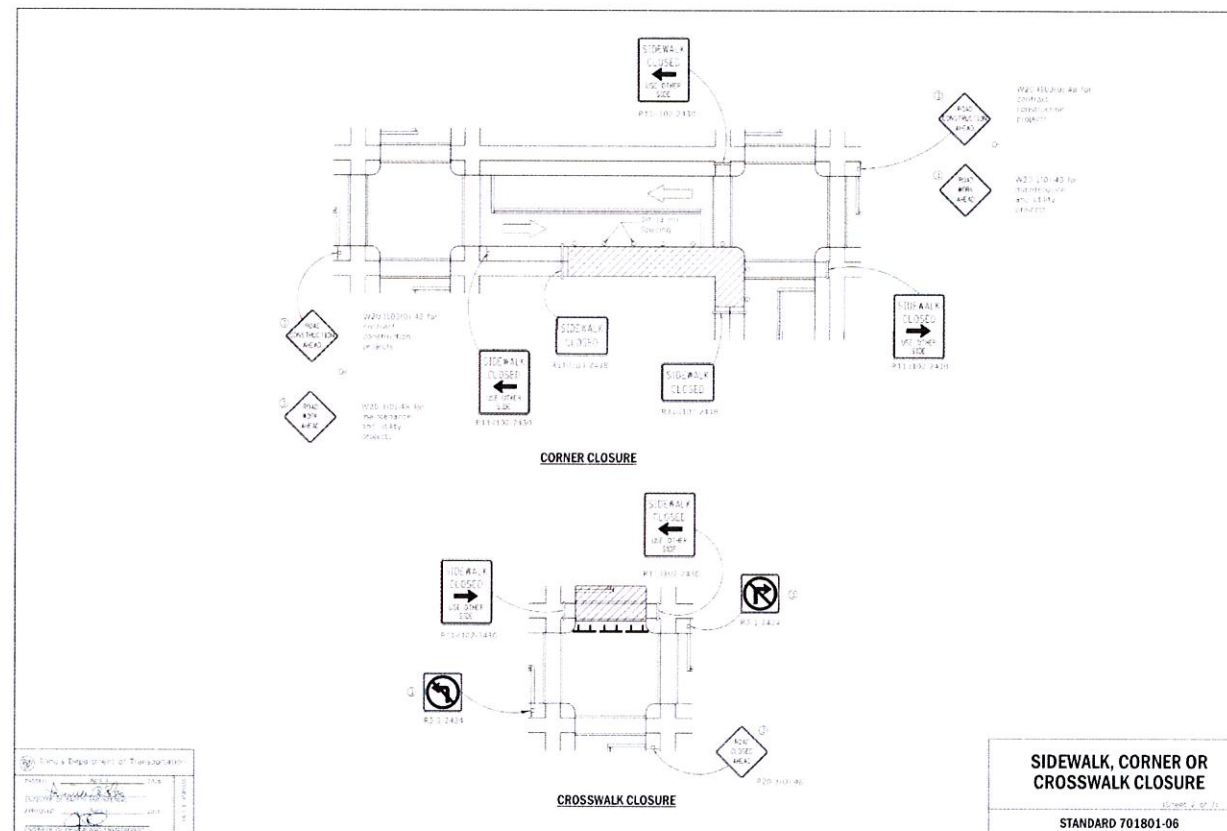
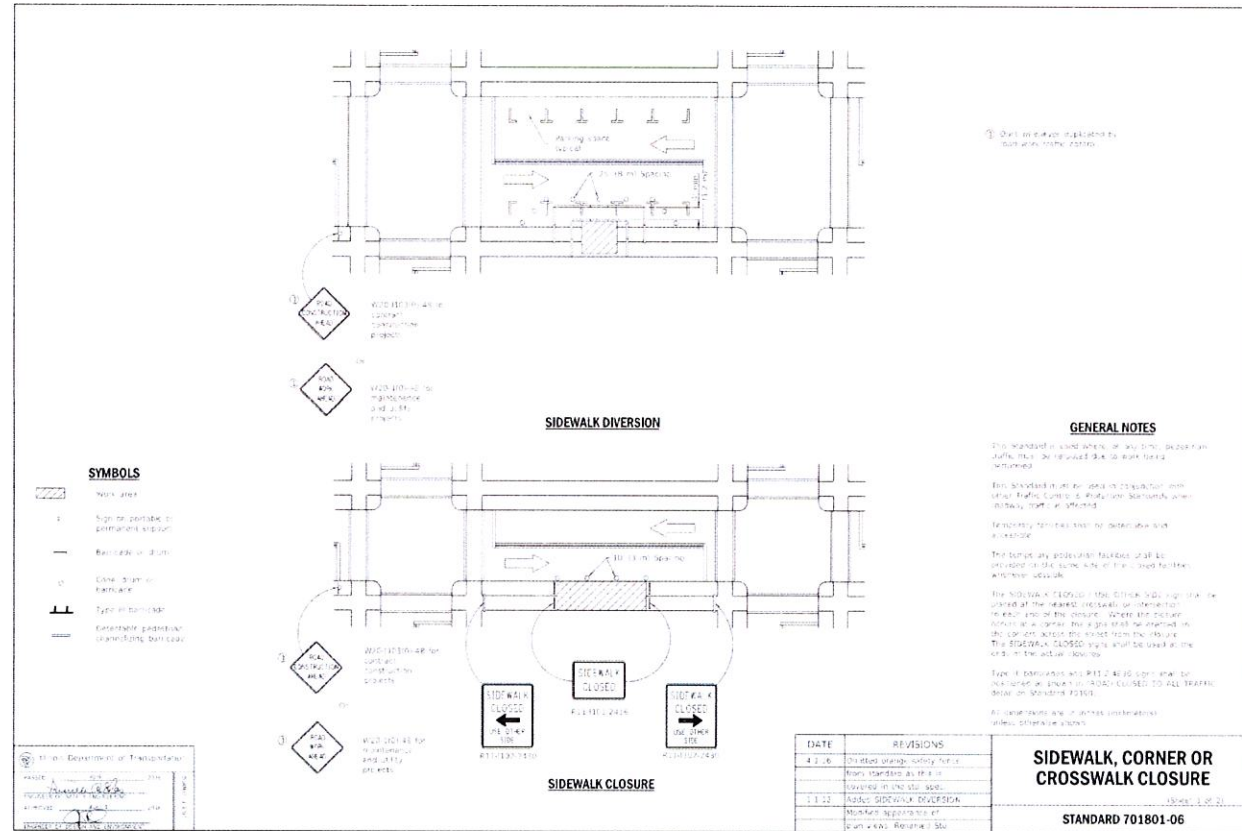
TITLE:
PROPOSED
SMALL CELL NODE
TAFT RD & WOODLAND AVE SC
HINSDALE, COOK, IL 60521

CROWN CASTLE ID:
CTRL_HINSDALEA_134
HUB:
CH 55TH&LAGRANGE_HD
SCU: 507796 PSLOC: 539494
PROJECT NUMBER:
2211-005-U03-N134
DRAWN BY: JCS DATE DRAWN: 05/03/2022

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|----------|--------|-------------|----|
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| | | | |
| | | | |
| 06/14/22 | PERMIT | JCS | |
| NO. | DATE | DESCRIPTION | BY |

REVISIONS
SHEET NUMBER
SWF-2

TRAFFIC CONTROL - TYPICALS



ENGINEER:
CCSI NETWORKS
 A NETWORK CONNEX COMPANY
 5101 THATCHER RD.
 DOWNERS GROVE, IL 60515
 OFFICE 630.572.9999 • FAX 630.572.9998

OWNER:
CROWN CASTLE
 CROWN CASTLE FIBER
 7220 N. SAM HOUSTON PARKWAY WEST
 SUITE 500
 HOUSTON, TX 77604

CONTRACTOR:
TBD

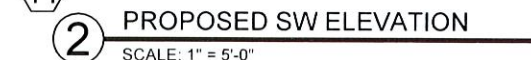
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 PROPOSED
 SMALL CELL NODE
 TAFT RD & WOODLAND AVE SC
 HINSDALE, COOK, IL 60521

CROWN CASTLE ID:
 CTRL_HINSDALEA_134
 HUB:
 CH 55TH&LAGRANGE_HD
 SCU:
 507796
 PSLOC:
 539494
 PROJECT NUMBER:
 2211-005-U03-N134
 DRAWN BY:
 JCS
 DATE DRAWN:
 05/03/2022

| NO. | DATE | DESCRIPTION | BY |
|----------|--------|-------------|----|
| 06/14/22 | PERMIT | JCS | |

REVISIONS
 SHEET NUMBER
SWF-3
 3 OF 9

FOR NORMAL SOIL CONDITIONS THE MINIMUM
POLE EMBEDMENT DEPTH WOULD BE 6-FEET
BELOW GRADE




- 1 (3) ERICSSON 6705 NR RADIOS w/ ANTENNAS.
MODEL NO. 6705
14.40" x 7.90" x 5.90" (HxWxD) - 31.00 lbs. ea.
- 2 (3) AIRSCALE - HORIZONTAL RADIO MOUNT BRACKET
PART NO. ERICSSON - AIR BRACKET
3.9" x 7.9" x 11.8" (HxWxD) - 13.7 lbs.
- 3 NOT USED
- 4 2" NON-METALLIC U-GAURD ATTACHMENT
FOR FIBER/COAXIAL CABLES
- 5 HOFFMAN BOX
PART NO. A161606 (OR EQUIVALENT)
16.0" x 10.0" x 6.0" (HxWxD) - 13.7 lbs.
- 6 CHARLES FIBER DEMARC
PART NO. CFIT-C (OR EQUIVALENT)
18.00" x 18.00" x 6.00" (HxWxD) - 15.0 lbs.
- 7 AC DISCONNECT BOX
PART NO. BA206 (OR EQUIVALENT)
12.60" x 8.90" x 4.30" (HxWxD) - 9.70 lbs.
- 8 PROPOSED 40' CLASS 2 WOOD POLE
- 9 PROPOSED BURIED QUAZITE ENCLOSURE TO
HOUSE GROUND ROD AND IN-LINE FUSES FOR
SMALL CELL POWER DISCONNECT
(QUAZITE COVER SHALL CORRECTLY
IDENTIFY OWNER ON LID "ID PLACARD")
(TO BE INSTALLED BY OTHERS)
- 10 (1) PROPOSED UNDERGROUND POWER CONDUIT
(TO BE INSTALLED BY OTHERS)
- 11 (1) PROPOSED FIBER CONDUIT
(TO BE INSTALLED BY OTHERS)
- 12 (2) PROPOSED 2" RIGID CONDUIT FOR POWER
& FIBER (TO BE INSTALLED BY OTHERS)

| RADIO | AZIMUTH | | |
|-------|---------|------|------|
| | A | B | C |
| 5G | 0° | 120° | 240° |

| | |
|---------------------------|-----------|
| TOTAL WEIGHT | 172.5 LBS |
| TOTAL VOLUME OF EQUIPMENT | 3.75 ft³ |

OWNER:

 **CROWN
CASTLE**

CROWN CASTLE FIBER
7220 N. SAM HOUSTON PARKWAY WEST
SUITE 500
HOUSTON, TX 77604

TITLE:

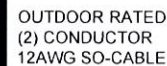
PROPOSED
SMALL CELL NODE

TAFT RD & WOODLAND AVE SC
HINSDALE, COOK, IL 60521

| | |
|---------------------|------------|
| CROWN CASTLE ID: | |
| CTRL_HINSDALE_A_134 | |
| HUB: | |
| CH 55TH&LAGRANGE_HD | |
| SCU: | PSLOC: |
| 507796 | 539494 |
| PROJECT NUMBER: | |
| 2211-005-U03-N134 | |
| DRAWN BY: | DATE DRAWN |
| JCS | 05/03/2022 |

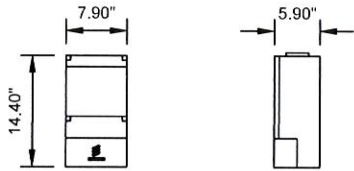
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| | | | |
| | | | |
| | 06/14/22 | PERMIT | JCS |
| NO. | DATE | DESCRIPTION | BY |

4 OF 9

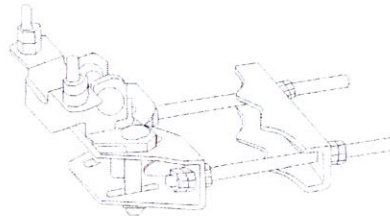


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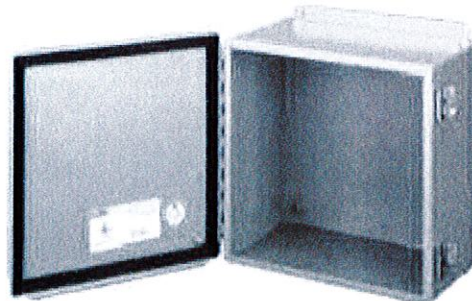
PROPOSED EQUIPMENT DETAILS



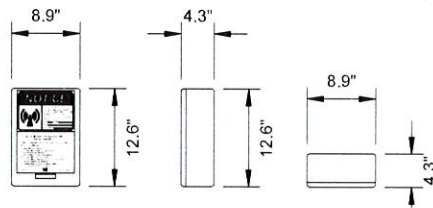
1



2




5

C1=CC=CC=C1

PROPOSED EQUIPMENT KEY:

- 1

VOLUME TABLES:

| CALL OUT | DESCRIPTION OF ELEMENT | CUBIC VOLUME OF ELEMENT | VILLAGE OF HINSDALE'S USE ONLY |
|---|------------------------|-------------------------|--------------------------------|
|  | 5G RADIO | 1.16 ft³ | |

| CALL OUT | DESCRIPTION OF ELEMENT | CUBIC VOLUME OF ELEMENT | VILLAGE OF HINSDALE'S USE ONLY |
|-------------|----------------------------|-------------------------------|--------------------------------------|
| 2 | RADIO MOUNT BRACKET | 0.63 ft ³ | |
| 5 | HOFFMAN BOX | 0.55 ft ³ | |
| 6 | CHARLES FIBER DEMARC | 1.12 ft ³ | |
| 7 | AC DISCONNECT | 0.27 ft ³ | |

| |
|-----------------------------|
| PROPOSED CONCEALMENT NOTES: |
|-----------------------------|

ALL PROPOSED ITEMS ARE TO BE PAINTED TO MATCH THE POLE.



A NETWORK CONNEX COMPANY

5101 THATCHER RD.
DOWNERS GROVE, IL 60515
OFFICE 630.572.9999 • FAX 630.572.9998



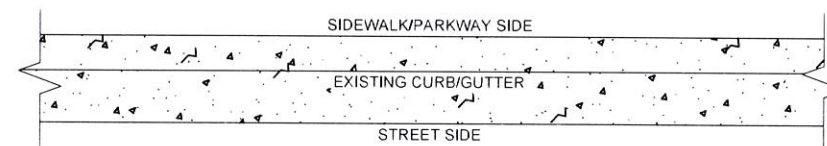
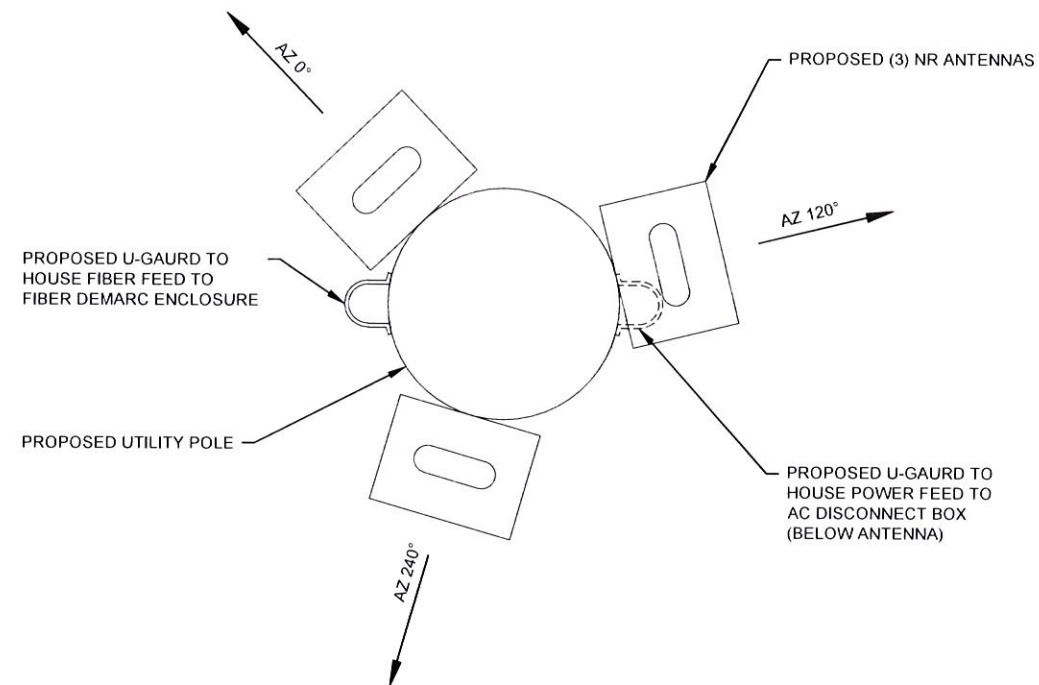
**CROWN
CASTLE**

CROWN CASTLE FIBER
7220 N. SAM HOUSTON PARKWAY WEST
SUITE 500
HOUSTON, TX 77604

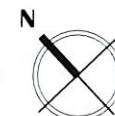
TBD

SWF-5

1. ANY AND ALL DAMAGE TO POLE DUE TO CONSTRUCTION & INSTALLATION OF THIS APPLICATION SHALL BE REPAIRED AT THE COST OF THE CONTRACTOR
2. CONTRACTOR SHALL RESTORE OR REPAIR ANY DAMAGED AREAS CAUSED BY CONSTRUCTION TO ORIGINAL OR BETTER CONDITION
3. FIBER DESIGN BY OTHERS



1 OVERHEAD POLE DETAIL



5101 THATCHER RD.
DOWNERS GROVE, IL 60515
OFFICE 630.572.9999 • FAX 630.572.9998



CROWN CASTLE FIBER
7220 N. SAM HOUSTON PARKWAY WEST
SUITE 500
HOUSTON, TX 77604

TBD

PROPOSED
SMALL CELL NODE

TAFT RD & WOODLAND AVE SC
HINSDALE, COOK, IL 60521

CROWN CASTLE ID:
CTRL_HINSDALEA_134

HUB: CH 55TH&LAGRANGE_HD

| | |
|--------|--------|
| SCU: | PSLOC: |
| 507796 | 539494 |

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| PROJECT NUMBER: | 2211-005-U03-N134 |
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| DRAWN BY: | DATE DRAWN: |
| JCS | 05/03/2022 |

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| | 06/14/22 | PERMIT | JCS |
| NO. | DATE | DESCRIPTION | BY |

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SHEET NUMBER

SWF-6

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| CONDUCTOR | COLOR CODE |
|-----------|------------|
| POSITIVE | RED |
| NEGATIVE | BLACK |

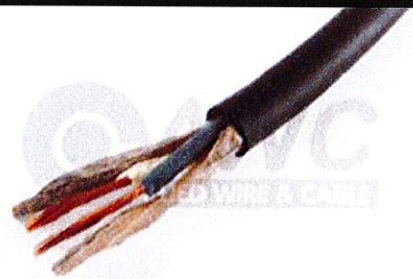
| CONDUCTOR | COLOR CODE |
|-----------|------------|
| POSITIVE | BLACK |
| NEUTRAL | |

| CABLE TYPE | COLOR CODE |
|--------------|------------|
| GROUND CABLE | GREEN |

NOTES:

1. ALL INSTALLED CABLES TO BE RUN WITHIN EXISTING POLE WHEREVER POSSIBLE
2. ALL INSTALLED CABLES TO HAVE PROPER TAGGING IDENTIFICATION ASSIGNED

12/2 SOOW SPECIFICATIONS:



AWG SIZE: 12
NO. OF CONDUCTORS: 2
CONDUCTOR STRANDING: 65/30
NO. OF STRANDS: 65
STRAND SIZE: 30
NOMINAL INSULATION THICKNESS (in): 0.045
JACKET THICKNESS (in): 0.090
NOMINAL O.D. OF CABLE (in): 0.570
AMPS: 25
APPROXIMATE LBS/MFT: 195
UL STYLE: SOOW
CSA TYPE: SOOW
VOLTAGE: 600
MAXIMUM TEMPERATURE: 90°C
CONDUCTOR MATERIAL: BARE COPPER
INSUL. MATERIAL: ETHYLENE PROPYLENE DIENE MONOMER RUBBER (EPDM)
JACKET MATERIAL: CHLORINATED POLYETHYLENE (CPE)
JACKET COLOR: BLACK

LOAD CENTER EQUIPMENT SCHEDULE

| EQUIPMENT | RATING | PART NO. |
|--------------------|--------|---------------|
| LOAD CENTER BOX | N/A | QC6-12L-100RB |
| RETAINING CLIP | N/A | PK2MB |
| MAIN BREAKER | 60 AMP | Q0260 |
| INDIVIDUAL BREAKER | 15 AMP | Q0115 |

ENGINEER:



A NETWORK CONNEX COMPANY

5101 THATCHER RD.
DOWNERS GROVE, IL 60515
OFFICE 630.572.9959 • FAX 630.572.9998

OWNER:



CROWN CASTLE FIBER
7220 N. SAM HOUSTON PARKWAY WEST
SUITE 500
HOUSTON, TX 77604

CONTRACTOR:

TBD

TITLE

PROPOSED
SMALL CELL NODE

TAFT RD & WOODLAND AVE SC
HINSDALE, COOK, IL 60521

CROWN CASTLE ID:

CTRL_HINSDALEA_134

HUB:

CH 55TH&LAGRANGE_HD

SCU:

507796

PSLOC:

539494

PROJECT NUMBER

2211-005-U03-N134

DRAWN BY:

JCS

DATE DRAWN:

05/03/2022

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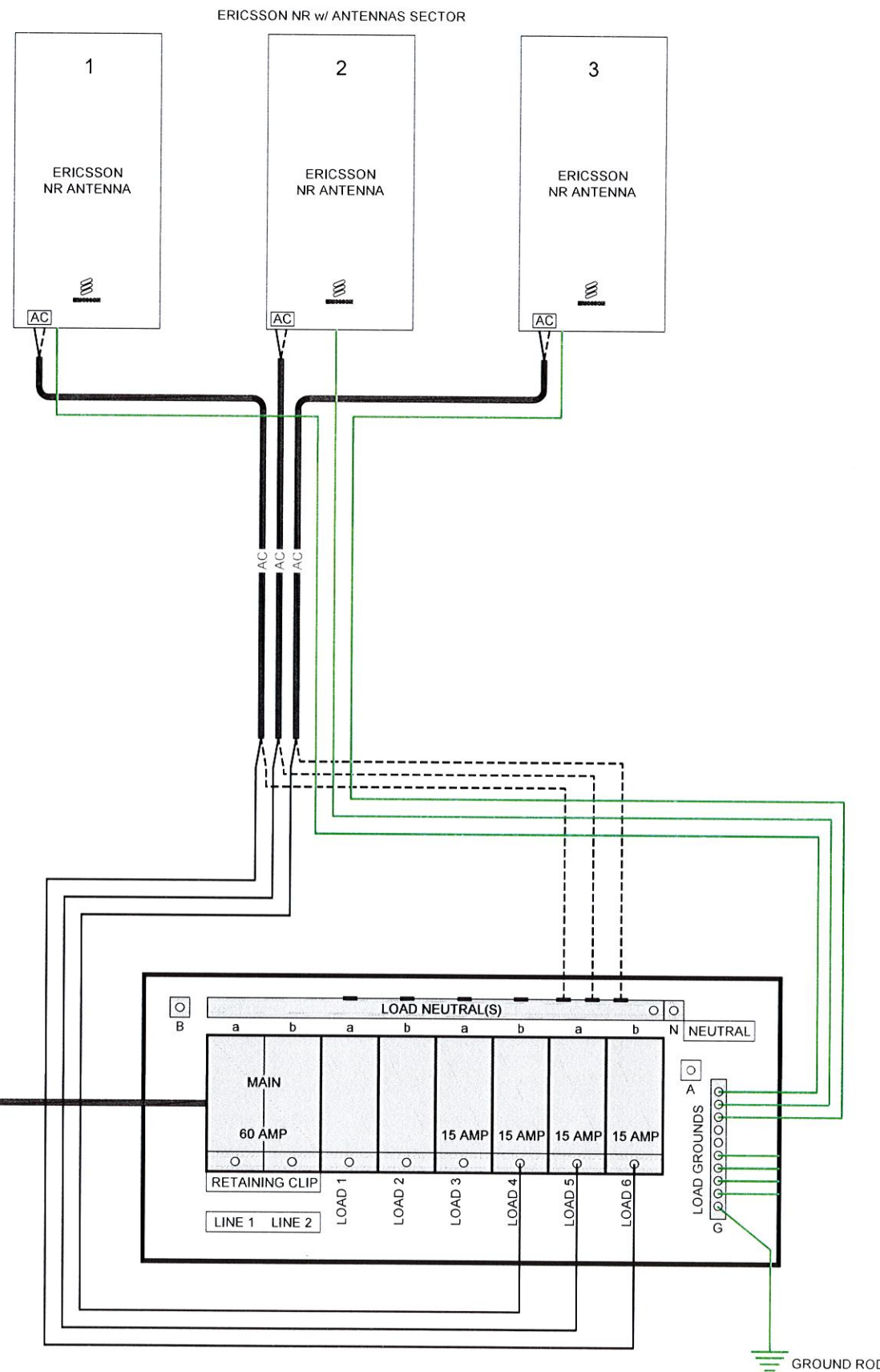
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| 06/14/22 | PERMIT | JCS |
| NO. | DATE | DESCRIPTION |
| | | BY |

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SHEET NUMBER

SWF-7

7 OF 9



TO COMED POWER SUPPLY
120/208 OR 120/240 VAC

1 BREAKER PANEL W/ MAIN DISCONNECT SCHEMATIC
SCALE: N.T.S.

1. GROUNDING RISER FOR DIAGRAMMATIC PURPOSES ONLY. SEE ELEVATION DRAWINGS FOR ACTUAL EQUIPMENT AND ANTENNA LOCATIONS.
2. ALL GROUNDING CONDUCTORS TO BE PROTECTED FROM TAMPERING.



| CABLE TYPE | COLOR CODE |
|--------------|------------|
| GROUND CABLE | GREEN |

8 OF 9

GENERAL NOTES:

1. THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATIONS.
2. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED IN THE CONTRACT DOCUMENTS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTOR(S) SHALL VISIT THE JOB SITE(S) AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED PER THE CONTRACT DOCUMENTS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE IMPLEMENTATION CONSTRUCTION/PROJECT MANAGER AND ENGINEER/CONSTRUCTION/PROJECT MANAGER.
4. THE CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED ON ANY WORK NOT CLEARLY DEFINED OR IDENTIFIED IN THE CONSTRUCTION DOCUMENTS BEFORE STARTING ANY WORK.
5. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES, INCLUDING APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS.
6. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. IF THESE RECOMMENDATIONS ARE IN CONFLICT WITH THE CONTRACT DOCUMENTS AND/OR APPLICABLE CODES OR REGULATIONS, REVIEW THE CONFLICT FOR DIRECTION WITH THE IMPLEMENTATION CONSTRUCTION/PROJECT MANAGER AND ENGINEER/CONSTRUCTION/PROJECT MANAGER PRIOR TO PROCEEDING.
7. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATION OF ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE IMPLEMENTATION CONSTRUCTION/PROJECT MANAGER AND WITH THE AUTHORIZED REPRESENTATIVE OF ANY OUTSIDE POLE OR PROPERTY OWNER.
8. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, SIDEWALKS, ADA RAMPS, VEGETATION, GALVANIZED SURFACE OR OTHER EXISTING ELEMENTS AND UPON COMPLETION OF THE WORK, REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF MUNICIPALITY OR PROPERTY OWNER.
9. KEEP THE GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH, AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION DAILY.
10. PLANS ARE INTENDED TO BE DIAGRAMMATIC ONLY AND SHOULD NOT BE SCALED UNLESS OTHERWISE NOTED. RELY ONLY ON ANNOTATED DIMENSIONS AND REQUEST INFORMATION IF ADDITIONAL DIMENSIONS ARE REQUIRED.
11. THE EXISTENCE AND LOCATION OF UTILITIES AND OTHER AGENCY'S FACILITIES ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. OTHER FACILITIES MAY EXIST BEYOND WHAT IS NOTED. CONTRACTOR SHALL VERIFY LOCATIONS PRIOR TO START OF CONSTRUCTION AND USE EXTREME CARE AND PROTECTIVE MEASURES TO PREVENT DAMAGE TO THESE FACILITIES. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF UTILITIES OR OTHER AGENCY'S FACILITIES WITHIN THE LIMITS OF THE WORK, WHETHER THEY ARE IDENTIFIED IN THE CONTRACT DOCUMENTS OR NOT.
12. ALL MOUNTING HARDWARE SUCH AS BOLTS, NUTS, LAG SCREWS, CLEVIS, CONDUIT STRAPS, STAPLES, (ANYTHING EXPOSED AND CONNECTING EQUIPMENT TO THE POLE) SHALL BE HOT DIPPED GALVANIZED, UNLESS OTHERWISE STATED. ANY DAMAGE CAUSED TO PAINTED AREAS SHALL BE TOUCHED-UP AS REQUIRED.

WIRELESS CARRIER CONSTRUCTION NOTES:

1. CONTRACTOR IS TO FOLLOW MOST CURRENT WIRELESS CARRIER NADV/STANDARDS DOCUMENTS PROVIDED TO COMPLETE THIS INSTALLATION.
2. CONTRACTOR TO REFER TO THE MOST CURRENT WIRELESS CARRIER NADV FOR APPROVED COAXIAL PROVIDERS AND LINE SWEEP TESTING PROCEDURES.
3. CONTRACTOR SHALL INCLUDE AT LEAST ONE "ANRITSU" CERTIFIED LINE SWEEP TECHNICIAN ON SITE DURING ANY WIRELESS CARRIER JOB RELATED TO INSTALLATION OR MAINTENANCE OF COAXIAL CABLE, ANTENNAS, TT-LNA, RF CONNECTORS, JUMPERS, OR DIPLEX FILTERS.
4. CONTRACTOR SHALL COMPLETE WIRELESS CARRIER PROVIDED "SMALL CELL SWEEP REPORT" WITH ALL INFORMATION FILLED IN ACCURATELY AND COMPLETELY.
5. CONTRACTOR TO REFER TO THE MOST CURRENT WIRELESS CARRIER NADV FOR APPROVED "PIM" TEST EQUIPMENT AND GUIDELINES.
6. CONTRACTOR IS TO USE BATTERY POWERED "PIM" EQUIPMENT TO VALIDATE THE FINAL LOCATION OF THE COAXIAL JUMPER AND ANTENNA ARE FREE OF INTERNAL AND EXTERNAL "PIM" SOURCES.
7. CONTRACTOR SHALL PROVIDE AT LEAST ONE TECHNICAL LEAD THAT IS CERTIFIED AND PROFICIENT IN EXECUTING, INTERPRETING, AND RECORDING "PIM" MEASUREMENTS.
8. ALL CABLE AND CABLE EQUIPMENT IDENTIFICATION TAGGING SHALL BE PLASTIC TAGS WITH WAX STRINGS FOR "FIBER" AND "POWER" WITHIN THE QUAZITE ENCLOSURE AND ON THE LIGHT POLE. AND SHALL COMPLY WITH THE LATEST WIRELESS CARRIER STANDARDS.
9. THE LOGO PLACARD ON THE COVER OF THE QUAZITE ENCLOSURE SHALL CLEARLY IDENTIFY OWNER.

ROW POWER CONSTRUCTION NOTES:

1. 120/240 POWER OR 120/208 SECONDARY REQUIRED FOR 3-WIRE SERVICE.
2. SECONDARY POWER SHALL BE DEPENDANT ON CURRENT AVAILABILITY(@ 3% DROP MIN. 60 AMPS), OR ESTABLISHED BY LOCAL POWER COMPANY DURING ACTUAL POWER WALK.
3. POWER ROUTE, WIRE, AND RACEWAY SIZE WILL BE DETERMINED DURING UNDERGROUND OR OVERHEAD ENGINEERING PROCESS.
4. GENERAL CONTRACTOR TO REMOVE/CLEAN ALL DEBRIS, NAILS, STAPLES, OR NON-USED VERTICALS OFF THE POLE.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MUNICIPAL, COUNTY, STATE, AND FEDERAL REGULATIONS.
6. CALL CHICAGO DIGGERS HOTLINE AT 1-312-744-7000 48 HOURS PRIOR TO EXCAVATING.
7. ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION OR BETTER.
8. ALL EQUIPMENT TO BE BONDED AS REQUIRED BY LOCAL CODES AND CLIENT REQUIREMENTS.
9. ALLOW 3' CLEARANCE AT METERING CABINET DOOR OPENING (IF REQUIRED).

STANDARD GROUNDING NOTES:

1. GROUND TESTED AT 5 OHMS OR LESS.
2. 5/8" x 10' OR 12' ROD, CAD WELD BELOW GRADE.
3. MINIMUM # 6 GROUND AND BOND WIRE.
4. GROUNDS ROD TO BE PLACED (1) WITHIN NEW POLE FOUNDATION .
5. ALL GROUND FASTENERS AND RELATED HARDWARE SHALL BE OF STAINLESS STEEL AND DILECTRIC GREASE SHALL BE USED AT ALL CONNECTIONS. ALL GROUNDING MUST MEET OR EXCEED NESC AND WIRELESS CARRIER STANDARDS.

PROPOSED CONCEALMENT NOTES:

ALL PROPOSED ITEMS ARE TO BE PAINTED TO MATCH THE POLE.

ENGINEER:



A NETWORK CONNEX COMPANY

5101 THATCHER RD.
DOWNERS GROVE, IL 60515
OFFICE 630.572.9999 • FAX 630.572.9998

OWNER:



CROWN CASTLE FIBER
7220 N. SAM HOUSTON PARKWAY WEST
SUITE 500
HOUSTON, TX 77604

CONTRACTOR:

TBD

TITLE:

PROPOSED
SMALL CELL NODE

TAFT RD & WOODLAND AVE SC
HINSDALE, COOK, IL 60521

CROWN CASTLE ID:

CTRL_HINSDALEA_134

HUB:

CH 55TH&LAGRANGE_HD

SCU:

507796

PSLOC:

539494

PROJECT NUMBER:

2211-005-U03-N134

DRAWN BY:

JCS

DATE DRAWN:

05/03/2022

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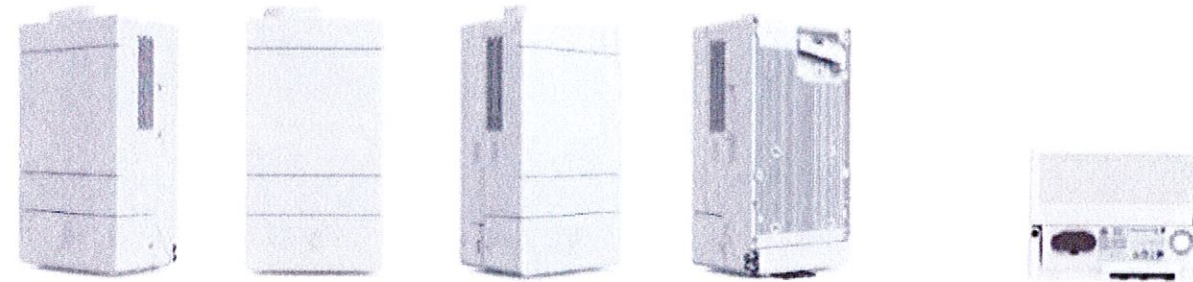
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SWF-9

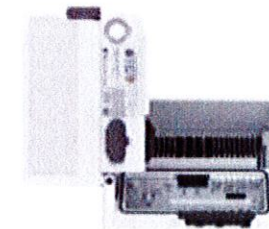
PROPOSED CONCEALMENT NOTES:

ALL PROPOSED ITEMS ARE TO BE PAINTED TO MATCH THE POLE.

Streetmacro 6705 Mechanical

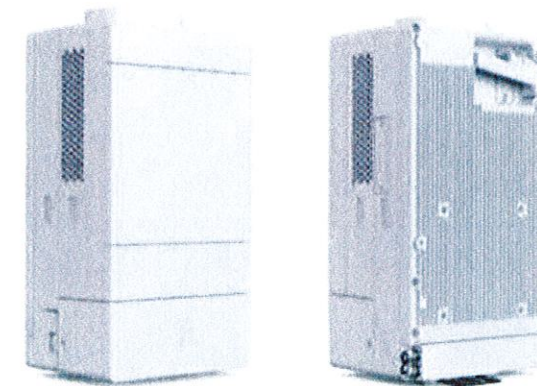


| SM 6705 | Height | Width | Depth | Weight |
|--|-------------------|------------------|------------------|---------------------|
| without protruding items | 366 mm 14.4 In | 200 mm 7.9 In | 150 mm 5.9 In | ~31 lbs (~13 Kg) |
| with protruding items including GNSS antenna | 409 mm 16.2 In | 204 mm 8.1 In | 154 mm 6.1 In | |



Streetmacro 6705

| | |
|------------------------|---|
| Spectrum | 28GHz (n261/257) 39 GHz (n260) 24GHz (n258) |
| IBW | Full band |
| Total Carrier BW | 800 MHz, continuous/non-continuous carriers |
| EIRP | 59 dBm (CM1, 800MHz config), 62dBm (CM2, 400MHz) |
| EIS | -116/-113 dBm (CM1, 800MHz config) |
| Layers: | 2 @ 800 MHz, 4 @ 400MHz |
| Modulation | 64/64 (256) QAM UL/DL |
| Service Angular Range: | $\pm 60^\circ$, $\pm 15^\circ$ |
| Total Antenna BW | 1600 MHz |
| Throughput | ~ 5 Gbps DL/ 1 Gbps UL |
| Synchronization | 1588v2, GNSS |
| Power Consumption | <350 W typical, ~500 W Max |
| Weight | ~ 13 kg |
| Dimensions | 366x150x200 mm wo protrusions 409x154x204 mm w protrusions (eg GNSS) |
| Operational conditions | -40 to +55 degrees |
| Cooling | Active |
| Power | AC, 100-250 V |
| IP Class | IP 65 |

EQUIPMENT SPECIFICATIONS SUPPLEMENT
INDEX OF DRAWINGS:

| | |
|--------------|---|
| SHEET | TITLE |
| SWF-S.1 | 6705 ERICSSON NR ANTENNA SPECIFICATIONS |

ENGINEER:



A NETWORK CONNEX COMPANY

5101 THATCHER RD.
DOWNERS GROVE, IL 60515
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OWNER:



CROWN CASTLE FIBER
7220 N. SAM HOUSTON PARKWAY WEST
SUITE 500
HOUSTON, TX 77604

CONTRACTOR:

TBD

TITLE:

PROPOSED
SMALL CELL NODE

TAFT RD & WOODLAND AVE SC
HINSDALE, COOK, IL 60521

CROWN CASTLE ID:

CTRL_HINSDALEA_134

HUB:

CH 55TH&LAGRANGE_HD

SCU:

507796

PROJECT NUMBER:

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JCS

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SWF-S.1

Specifications and Drawing Plans

(includes photographs of site location)

(equipment types and model numbers)

(next page)

(SECOND IDENTICAL SET)



1 EXISTING CONDITION
SCALE: NONE



2 PROPOSED POLE
SCALE: NONE

ENGINEER:
CCSI NETWORKS
A NETWORK CONNEX COMPANY
5101 THATCHER RD.
DOWNERS GROVE, IL 60515
OFFICE 630.572.9999 • FAX 630.572.9998

OWNER:
CROWN CASTLE
CROWN CASTLE FIBER
7220 N. SAM HOUSTON PARKWAY WEST
SUITE 500
HOUSTON, TX 77604

CONTRACTOR:

TBD

TITLE:
PROPOSED
SMALL CELL NODE

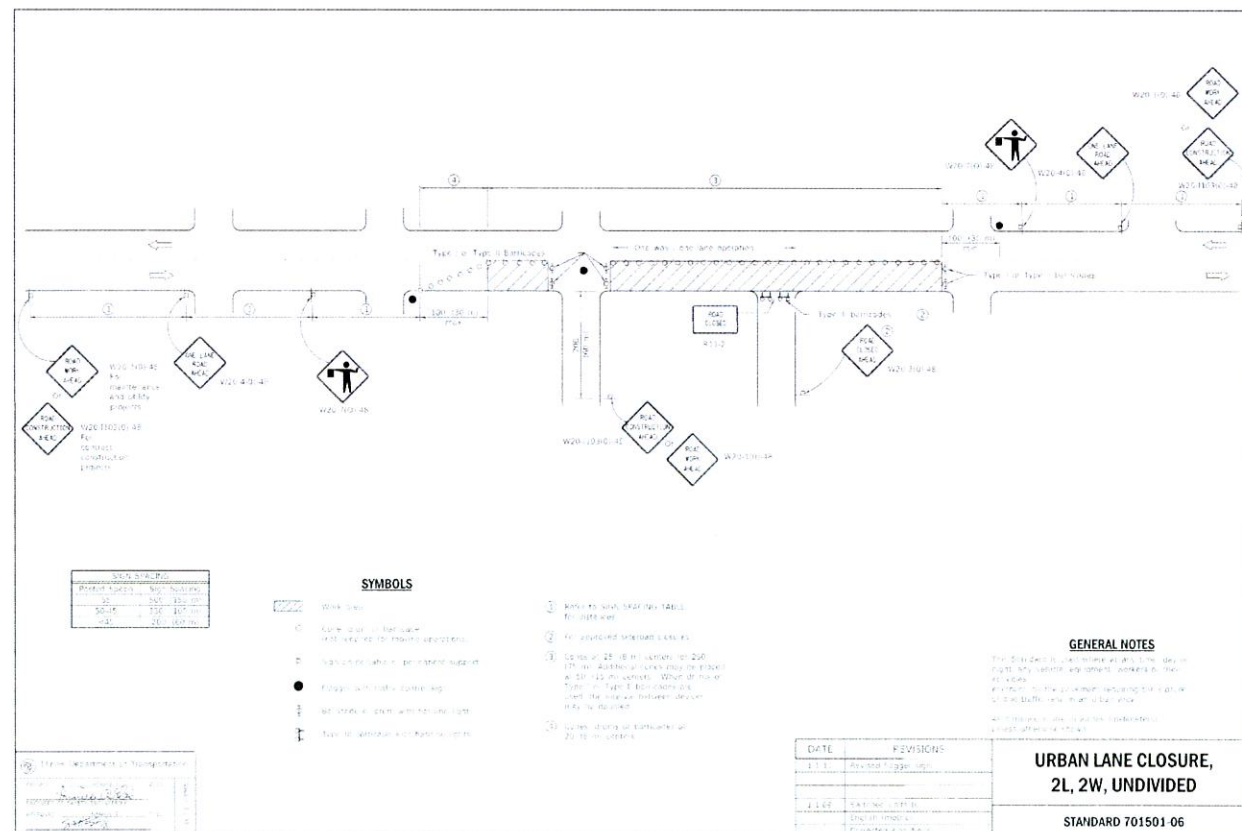
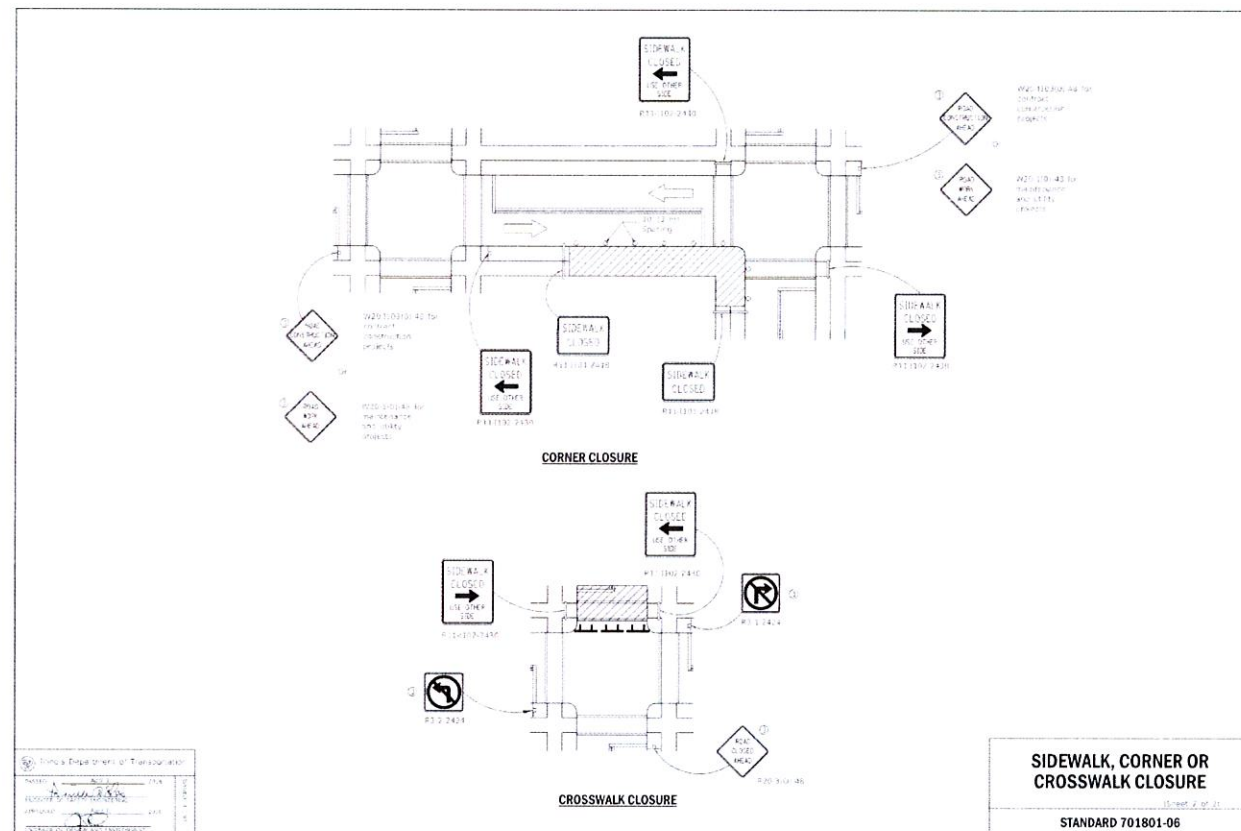
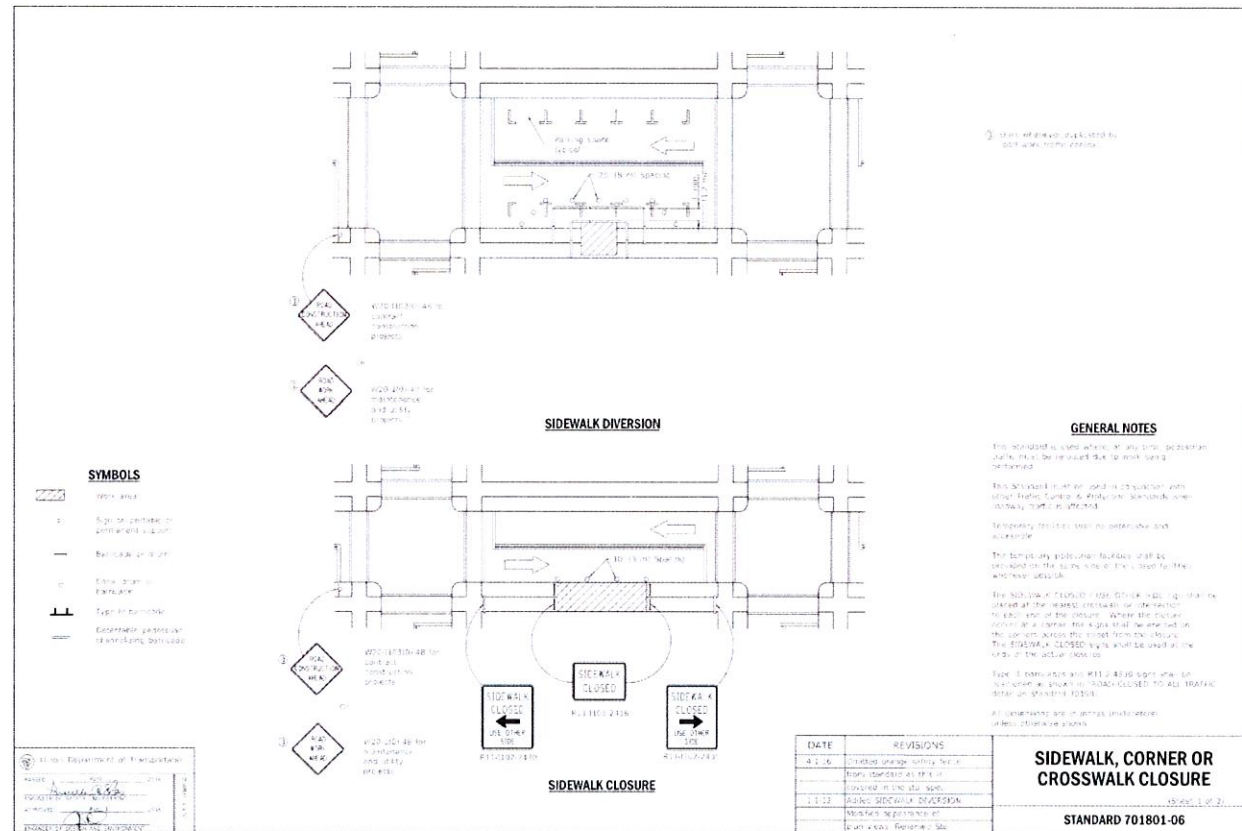
TAFT RD & WOODLAND AVE SC
HINSDALE, COOK, IL 60521

CROWN CASTLE ID:
CTRL_HINSDALEA_134
HUB:
CH 55TH&LAGRANGE_HD
SCU: 507796 PSLOC: 539494
PROJECT NUMBER:
2211-005-U03-N134
DRAWN BY: JCS DATE DRAWN: 05/03/2022

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SHEET NUMBER
SWF-2

TRAFFIC CONTROL - TYPICALS



ENGINEER:
CCSI
NETWORKS
A NETWORK CONNEX COMPANY
5101 THATCHER RD.
DOWNERS GROVE, IL 60515
OFFICE 630.572.9999 • FAX 630.572.9998

OWNER:
CROWN CASTLE
CROWN CASTLE FIBER
7220 N. SAM HOUSTON PARKWAY WEST
SUITE 500
HOUSTON, TX 77604

CONTRACTOR:
TBD

TITLE:
PROPOSED
SMALL CELL NODE
TAFT RD & WOODLAND AVE SC
HINSDALE, COOK, IL 60521

CROWN CASTLE ID:
CTRL_HINSDALE_134
HUB:
CH 55TH&LAGRANGE_HD
SCU:
507796
PSLOC:
539494
PROJECT NUMBER:
2211-005-U03-N134
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JCS
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| 06/14/22 | PERMIT | JCS | |

REVISIONS
SHEET NUMBER
SWF-3

FOR NORMAL SOIL CONDITIONS THE MINIMUM
POLE EMBEDMENT DEPTH WOULD BE 6-FEET
BELOW GRADE



- 1 (3) ERICSSON 6705
MODEL NO. 6705
14.40" x 7.90" x 5.90" (HxWxD) - 31.00 lbs. ea.
- 2 (3) AIRSCALE - HORIZONTAL RADIO MOUNT BRACKET
PART NO. ERICSSON - AIR BRACKET
3.9" x 7.9" x 11.8" (HxWxD) - 13.7 lbs.
- 3 NOT USED
- 4 2" NON-METALLIC U-GAURD ATTACHMENT
FOR FIBER/COAXIAL CABLES
- 5 HOFFMAN BOX
PART NO. A161606 (OR EQUIVALENT)
16.0" x 10.0" x 6.0" (HxWxD) - 13.7 lbs.
- 6 CHARLES FIBER DEMARC
PART NO. CFIT-C (OR EQUIVALENT)
18.00" x 18.00" x 6.00" (HxWxD) - 15.0 lbs.
- 7 AC DISCONNECT BOX
PART NO. BA206 (OR EQUIVALENT)
12.60" x 8.90" x 4.30" (HxWxD) - 9.70 lbs.
- 8 PROPOSED 40' CLASS 2 WOOD POLE
- 9 PROPOSED BURIED QUAZITE ENCLOSURE TO
HOUSE GROUND ROD AND IN-LINE FUSES FOR
SMALL CELL POWER DISCONNECT
(QUAZITE COVER SHALL CORRECTLY
IDENTIFY OWNER ON LID "ID PLACARD")
(TO BE INSTALLED BY OTHERS)
- 10 (1) PROPOSED UNDERGROUND POWER CONDUIT
(TO BE INSTALLED BY OTHERS)
- 11 (1) PROPOSED FIBER CONDUIT
(TO BE INSTALLED BY OTHERS)
- 12 (2) PROPOSED 2" RIGID CONDUIT FOR POWER
& FIBER (TO BE INSTALLED BY OTHERS)

| RADIO | AZIMUTH | | |
|-------|---------|------|------|
| | A | B | C |
| 5G | 0° | 120° | 240° |

| | |
|---------------------------|-----------|
| TOTAL WEIGHT | 172.5 LBS |
| TOTAL VOLUME OF EQUIPMENT | 3.75 ft³ |

| |
|---|
| CONTRACTOR |
| TBD |
| TITLE: |
| PROPOSED SMALL CELL NODE |
| TAFT RD & WOODLAND AVE SC HINSDALE, COOK, IL 60521 |

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|---------------------|-------------|
| CROWN CASTLE ID: | |
| CTRL_HINSDALEA_134 | |
| HUB: | |
| CH 55TH&LAGRANGE_HD | |
| SCU: | PSLOC: |
| 507796 | 539494 |
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| DRAWN BY: | DATE DRAWN: |
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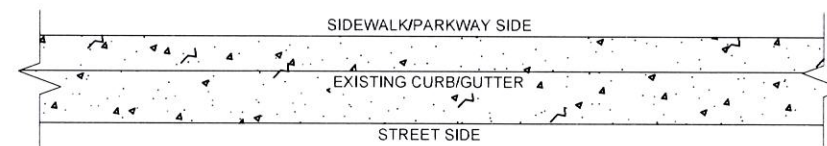
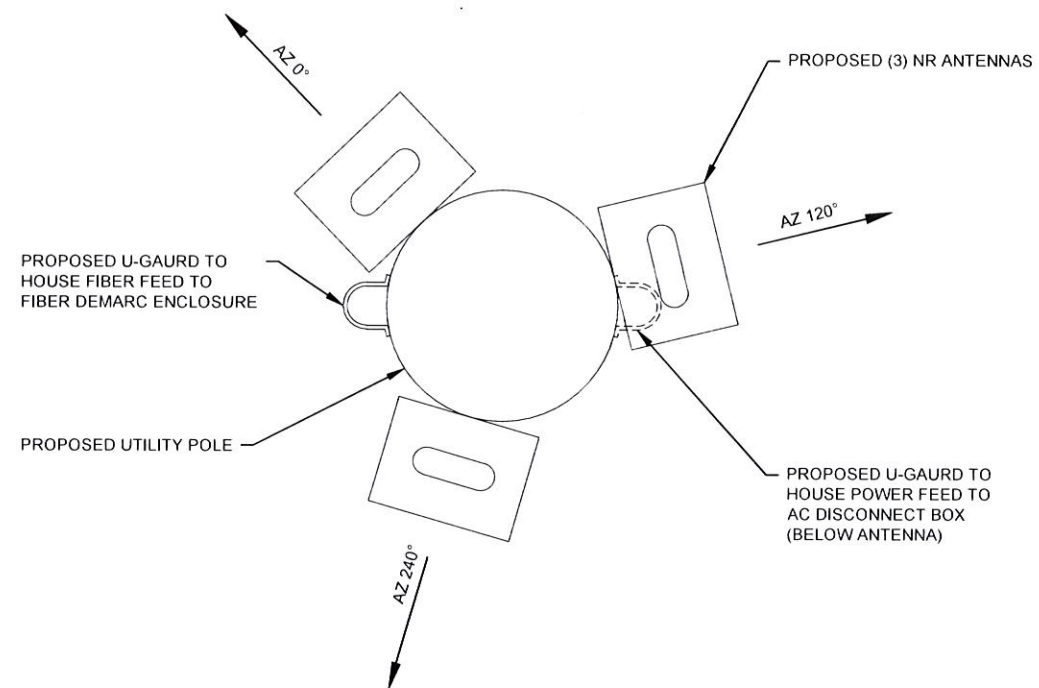
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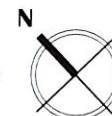
SWF-4

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1. ANY AND ALL DAMAGE TO POLE DUE TO CONSTRUCTION & INSTALLATION OF THIS APPLICATION SHALL BE REPAIRED AT THE COST OF THE CONTRACTOR
2. CONTRACTOR SHALL RESTORE OR REPAIR ANY DAMAGED AREAS CAUSED BY CONSTRUCTION TO ORIGINAL OR BETTER CONDITION
3. FIBER DESIGN BY OTHERS



1 OVERHEAD POLE DETAIL
SCALE: N.T.S.



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HOUSTON, TX 77604

TBD

PROPOSED
SMALL CELL NODE

TAFT RD & WOODLAND AVE SC
HINSDALE, COOK, IL 60521

CROWN CASTLE ID:
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HUB: CH 55TH&LAGRANGE_HD

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| SCU: | PSLOC: |
| 507796 | 539494 |

PROJECT NUMBER:
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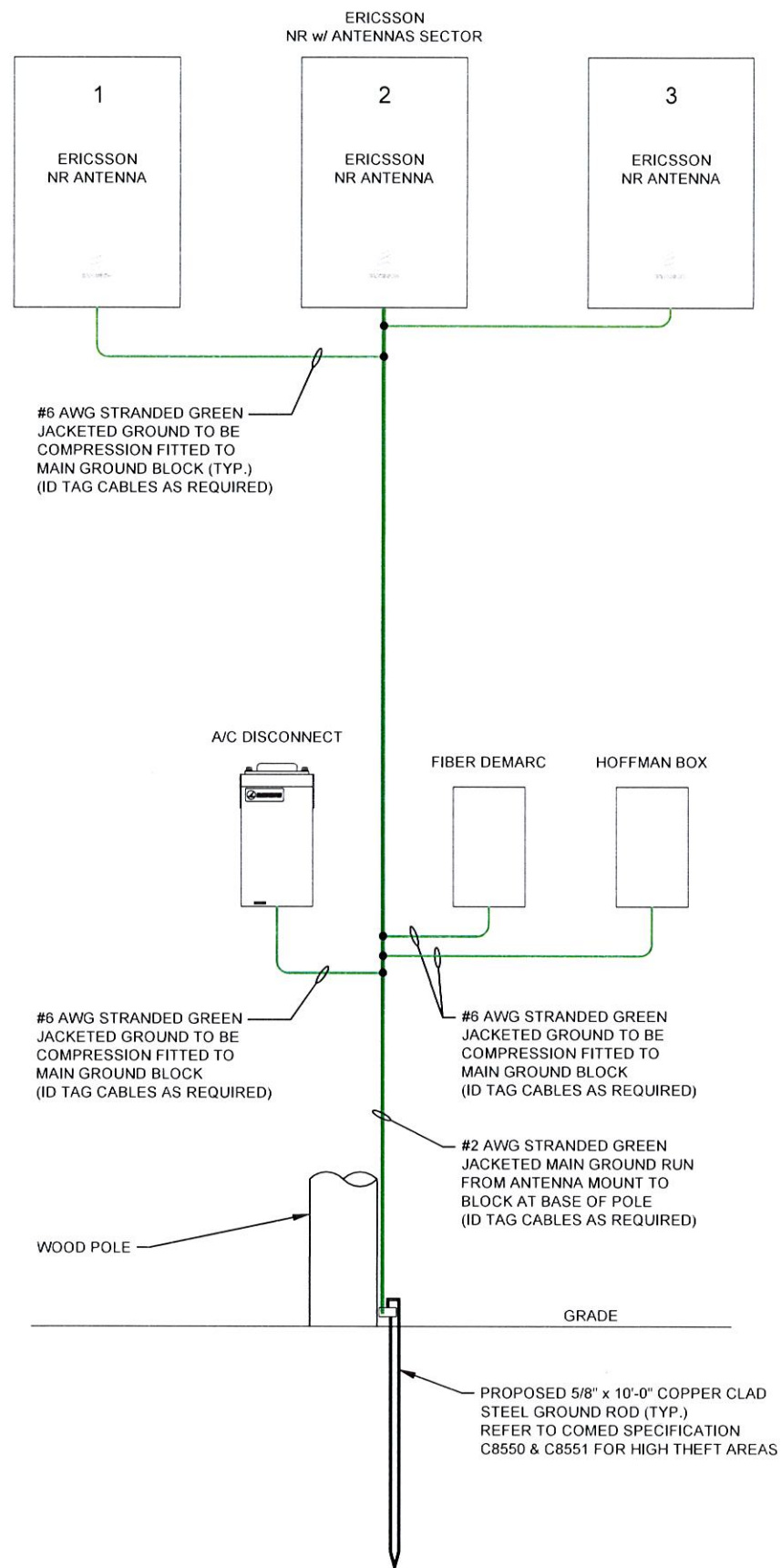
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| | 06/14/22 | PERMIT | JCS |
| NO. | DATE | DESCRIPTION | BY |

SHEET NUMBER

SWF-6

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1. GROUNDING RISER FOR DIAGRAMMATIC PURPOSES ONLY. SEE ELEVATION DRAWINGS FOR ACTUAL EQUIPMENT AND ANTENNA LOCATIONS.
2. ALL GROUNDING CONDUCTORS TO BE PROTECTED FROM TAMPERING.



☐ MECHANICAL CONNECTION
☒ COMPRESSION CONNECTION

| CABLE TYPE | COLOR CODE |
|--------------|------------|
| GROUND CABLE | GREEN |



5101 THATCHER RD.
DOWNERS GROVE, IL 60515
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CONTRACTOR:

TBD

PROPOSED
SMALL CELL NODE

CROWN CASTLE ID:
CTRL_HINSDALEA_134

HUB: CH 55TH&LAGRANGE_HD

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| | 06/14/22 | PERMIT | JCS |
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SHEET NUMBER

SWF-8

8 OF 9

1 GROUNDING RISER DIAGRAM

GENERAL NOTES:

1. THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATIONS.
2. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED IN THE CONTRACT DOCUMENTS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTOR(S) SHALL VISIT THE JOB SITE(S) AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED PER THE CONTRACT DOCUMENTS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE IMPLEMENTATION CONSTRUCTION/PROJECT MANAGER AND ENGINEER/CONSTRUCTION/PROJECT MANAGER.
4. THE CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED ON ANY WORK NOT CLEARLY DEFINED OR IDENTIFIED IN THE CONSTRUCTION DOCUMENTS BEFORE STARTING ANY WORK.
5. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES, INCLUDING APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS.
6. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. IF THESE RECOMMENDATIONS ARE IN CONFLICT WITH THE CONTRACT DOCUMENTS AND/OR APPLICABLE CODES OR REGULATIONS, REVIEW THE CONFLICT FOR DIRECTION WITH THE IMPLEMENTATION CONSTRUCTION/PROJECT MANAGER AND ENGINEER/CONSTRUCTION/PROJECT MANAGER PRIOR TO PROCEEDING.
7. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATION OF ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE IMPLEMENTATION CONSTRUCTION/PROJECT MANAGER AND WITH THE AUTHORIZED REPRESENTATIVE OF ANY OUTSIDE POLE OR PROPERTY OWNER.
8. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, SIDEWALKS, ADA RAMPS, VEGETATION, GALVANIZED SURFACE OR OTHER EXISTING ELEMENTS AND UPON COMPLETION OF THE WORK, REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF MUNICIPALITY OR PROPERTY OWNER.
9. KEEP THE GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH, AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION DAILY.
10. PLANS ARE INTENDED TO BE DIAGRAMMATIC ONLY AND SHOULD NOT BE SCALED UNLESS OTHERWISE NOTED. RELY ONLY ON ANNOTATED DIMENSIONS AND REQUEST INFORMATION IF ADDITIONAL DIMENSIONS ARE REQUIRED.
11. THE EXISTENCE AND LOCATION OF UTILITIES AND OTHER AGENCY'S FACILITIES ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. OTHER FACILITIES MAY EXIST BEYOND WHAT IS NOTED. CONTRACTOR SHALL VERIFY LOCATIONS PRIOR TO START OF CONSTRUCTION AND USE EXTREME CARE AND PROTECTIVE MEASURES TO PREVENT DAMAGE TO THESE FACILITIES. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF UTILITIES OR OTHER AGENCY'S FACILITIES WITHIN THE LIMITS OF THE WORK, WHETHER THEY ARE IDENTIFIED IN THE CONTRACT DOCUMENTS OR NOT.
12. ALL MOUNTING HARDWARE SUCH AS BOLTS, NUTS, LAG SCREWS, CLEVIS, CONDUIT STRAPS, STAPLES, (ANYTHING EXPOSED AND CONNECTING EQUIPMENT TO THE POLE) SHALL BE HOT DIPPED GALVANIZED, UNLESS OTHERWISE STATED. ANY DAMAGE CAUSED TO PAINTED AREAS SHALL BE TOUCHED-UP AS REQUIRED.

WIRELESS CARRIER CONSTRUCTION NOTES:

1. CONTRACTOR IS TO FOLLOW MOST CURRENT WIRELESS CARRIER NADV/STANDARDS DOCUMENTS PROVIDED TO COMPLETE THIS INSTALLATION.
2. CONTRACTOR TO REFER TO THE MOST CURRENT WIRELESS CARRIER NADV FOR APPROVED COAXIAL PROVIDERS AND LINE SWEEP TESTING PROCEDURES.
3. CONTRACTOR SHALL INCLUDE AT LEAST ONE "ANRITSU" CERTIFIED LINE SWEEP TECHNICIAN ON SITE DURING ANY WIRELESS CARRIER JOB RELATED TO INSTALLATION OR MAINTENANCE OF COAXIAL CABLE, ANTENNAS, TT-LNA, RF CONNECTORS, JUMPERS, OR DIPLEX FILTERS.
4. CONTRACTOR SHALL COMPLETE WIRELESS CARRIER PROVIDED "SMALL CELL SWEEP REPORT" WITH ALL INFORMATION FILLED IN ACCURATELY AND COMPLETELY.
5. CONTRACTOR TO REFER TO THE MOST CURRENT WIRELESS CARRIER NADV FOR APPROVED "PIM" TEST EQUIPMENT AND GUIDELINES.
6. CONTRACTOR IS TO USE BATTERY POWERED "PIM" EQUIPMENT TO VALIDATE THE FINAL LOCATION OF THE COAXIAL JUMPER AND ANTENNA ARE FREE OF INTERNAL AND EXTERNAL "PIM" SOURCES.
7. CONTRACTOR SHALL PROVIDE AT LEAST ONE TECHNICAL LEAD THAT IS CERTIFIED AND PROFICIENT IN EXECUTING, INTERPRETING, AND RECORDING "PIM" MEASUREMENTS.
8. ALL CABLE AND CABLE EQUIPMENT IDENTIFICATION TAGGING SHALL BE PLASTIC TAGS WITH WAX STRINGS FOR "FIBER" AND "POWER" WITHIN THE QUAZITE ENCLOSURE AND ON THE LIGHT POLE. AND SHALL COMPLY WITH THE LATEST WIRELESS CARRIER STANDARDS.
9. THE LOGO PLACARD ON THE COVER OF THE QUAZITE ENCLOSURE SHALL CLEARLY IDENTIFY OWNER.

ROW POWER CONSTRUCTION NOTES:

1. 120/240 POWER OR 120/208 SECONDARY REQUIRED FOR 3-WIRE SERVICE.
2. SECONDARY POWER SHALL BE DEPENDANT ON CURRENT AVAILABILITY(@ 3% DROP MIN. 60 AMPS), OR ESTABLISHED BY LOCAL POWER COMPANY DURING ACTUAL POWER WALK.
3. POWER ROUTE, WIRE, AND RACEWAY SIZE WILL BE DETERMINED DURING UNDERGROUND OR OVERHEAD ENGINEERING PROCESS.
4. GENERAL CONTRACTOR TO REMOVE/CLEAN ALL DEBRIS, NAILS, STAPLES, OR NON-USED VERTICALS OFF THE POLE.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MUNICIPAL, COUNTY, STATE, AND FEDERAL REGULATIONS.
6. CALL CHICAGO DIGGERS HOTLINE AT 1-312-744-7000 48 HOURS PRIOR TO EXCAVATING.
7. ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION OR BETTER.
8. ALL EQUIPMENT TO BE BONDED AS REQUIRED BY LOCAL CODES AND CLIENT REQUIREMENTS.
9. ALLOW 3' CLEARANCE AT METERING CABINET DOOR OPENING (IF REQUIRED).

STANDARD GROUNDING NOTES:

1. GROUND TESTED AT 5 OHMS OR LESS.
2. 5/8" x 10' OR 12' ROD, CAD WELD BELOW GRADE.
3. MINIMUM # 6 GROUND AND BOND WIRE.
4. GROUNDS ROD TO BE PLACED (1) WITHIN NEW POLE FOUNDATION .
5. ALL GROUND FASTENERS AND RELATED HARDWARE SHALL BE OF STAINLESS STEEL AND DILECTRIC GREASE SHALL BE USED AT ALL CONNECTIONS. ALL GROUNDING MUST MEET OR EXCEED NESC AND WIRELESS CARRIER STANDARDS.

PROPOSED CONCEALMENT NOTES:

ALL PROPOSED ITEMS ARE TO BE PAINTED TO MATCH THE POLE.

ENGINEER:



A NETWORK CONNEX COMPANY

5101 THATCHER RD.
DOWNERS GROVE, IL 60515
OFFICE 630.572.9999 • FAX 630.572.9998

OWNER:



CROWN CASTLE FIBER
7220 N. SAM HOUSTON PARKWAY WEST
SUITE 500
HOUSTON, TX 77604

CONTRACTOR:

TBD

TITLE:

PROPOSED
SMALL CELL NODE

TAFT RD & WOODLAND AVE SC
HINSDALE, COOK, IL 60521

CROWN CASTLE ID:

CTRL_HINSDALEA_134

HUB:

CH 55TH&LAGRANGE_HD

SCU:

507796

PSLOC:

539494

PROJECT NUMBER:

2211-005-U03-N134

DRAWN BY:

JCS

DATE DRAWN:

05/03/2022

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| | | | |
| | 06/14/22 | PERMIT | JCS |
| NO. | DATE | DESCRIPTION | BY |

REVISIONS

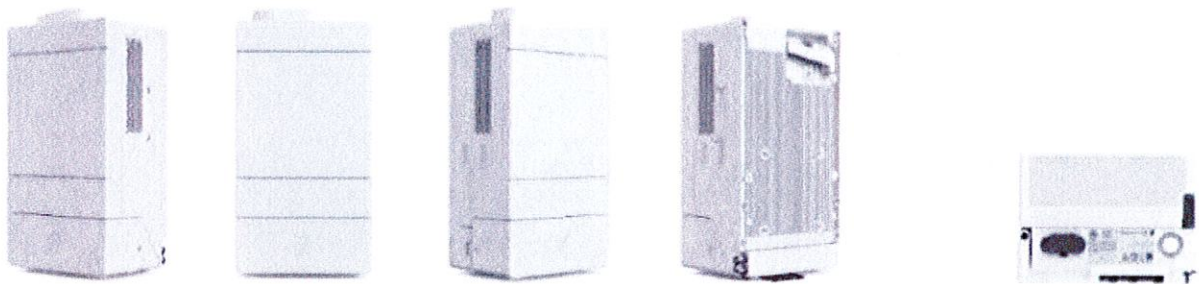
SHEET NUMBER

SWF-9

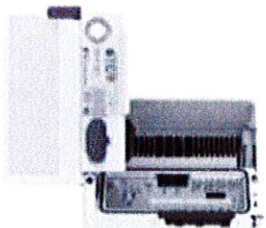
PROPOSED CONCEALMENT NOTES:

ALL PROPOSED ITEMS ARE TO BE PAINTED TO MATCH THE POLE.

Streetmacro 6705 Mechanical

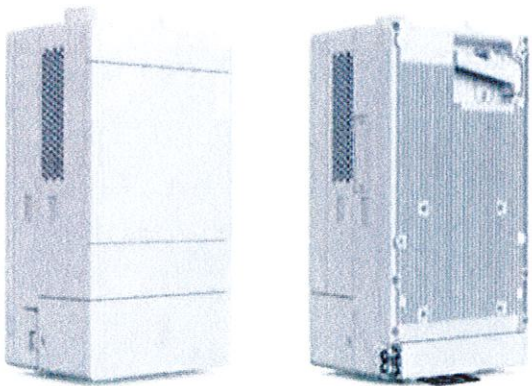


| SM 6705 | Height | Width | Depth | Weight |
|--|-------------------|------------------|------------------|---------------------|
| without protruding items | 366 mm 14.4 In | 200 mm 7.9 In | 150 mm 5.9 In | ~31 lbs (~13 Kg) |
| with protruding items including GNSS antenna | 409 mm 16.2 In | 204 mm 8.1 In | 154 mm 6.1 In | |



Streetmacro 6705

| | |
|------------------------|---|
| Spectrum | 28GHz (n261/257) 39 GHz (n260) 24GHz (n258) |
| IBW | Full band |
| Total Carrier BW | 800 MHz, continuous/non-continuous carriers |
| EIRP | 59 dBm (CM1, 800MHz config), 62dBm (CM2, 400MHz) |
| EIS | -116/-113 dBm (CM1, 800MHz config) |
| Layers | 2 @ 800 MHz, 4 @ 400MHz |
| Modulation | 64/64 (256) QAM UL/DL |
| Service Angular Range: | ± 60°, ± 15° |
| Total Antenna BW | 1600 MHz |
| Throughput | ~ 5 Gbps DL/ 1 Gbps UL |
| Synchronization | 1588v2, GNSS |
| Power Consumption | <350 W typical, <500 W Max |
| Weight | ~ 13 kg |
| Dimensions | 366x150x200 mm wo protrusions 409x154x204 mm w protrusions (eg GNSS) |
| Operational conditions | -40 to +55 degrees |
| Cooling | Active |
| Power | AC, 100-250 V |
| IP Class | IP 65 |



EQUIPMENT SPECIFICATIONS SUPPLEMENT
INDEX OF DRAWINGS:

| SHEET | TITLE |
|---------|---|
| SWF-S.1 | 6705 ERICSSON NR ANTENNA SPECIFICATIONS |

ENGINEER:



A NETWORK CONNEX COMPANY

5101 THATCHER RD.
DOWNERS GROVE, IL 60515
OFFICE 630.572.9999 • FAX 630.572.9998

OWNER:



CROWN CASTLE FIBER
7220 N. SAM HOUSTON PARKWAY WEST
SUITE 500
HOUSTON, TX 77604

CONTRACTOR:

TBD

TITLE:

PROPOSED
SMALL CELL NODE

TAFT RD & WOODLAND AVE SC
HINSDALE, COOK, IL 60521

CROWN CASTLE ID:

CTRL_HINSDALEA_134

HUB:

CH 55TH&LAGRANGE_HD

SCU:

507796

PSLOC:

539494

PROJECT NUMBER:

2211-005-U03-N134

DRAWN BY:

JCS

DATE DRAWN:

05/03/2022

06/14/22

PERMIT

JCS

NO.

DATE

DESCRIPTION

BY

REVISIONS

SHEET NUMBER

SWF-S.1

Electronic Copy Of Application

Submitted via USPS Certified Mail

Postmarked June 17th, 2022

Crown Castle Certificate of Insurance

(next page)



CERTIFICATE OF LIABILITY INSURANCE

Page 1 of 2

DATE (MM/DD/YYYY)

06/10/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| PRODUCER Willis Towers Watson Northeast, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191 USA | CONTACT NAME: Crown Castle International PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS: COIRequest@crowncastle.com | | | | | | | | | | | | | | |
|--|---|-------------------------------|--------|---|-------|---|-------|--|-------|------------|--|------------|--|------------|--|
| INSURED Crown Castle International See Attached Named Insured List 8020 Katy Freeway Houston, TX 77024 | <table border="1"><thead><tr><th>INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr></thead><tbody><tr><td>INSURER A: Continental Casualty Company</td><td>20443</td></tr><tr><td>INSURER B: Berkshire Hathaway Specialty Insurance Com</td><td>22276</td></tr><tr><td>INSURER C: Continental Insurance Company</td><td>35289</td></tr><tr><td>INSURER D:</td><td></td></tr><tr><td>INSURER E:</td><td></td></tr><tr><td>INSURER F:</td><td></td></tr></tbody></table> | INSURER(S) AFFORDING COVERAGE | NAIC # | INSURER A: Continental Casualty Company | 20443 | INSURER B: Berkshire Hathaway Specialty Insurance Com | 22276 | INSURER C: Continental Insurance Company | 35289 | INSURER D: | | INSURER E: | | INSURER F: | |
| INSURER(S) AFFORDING COVERAGE | NAIC # | | | | | | | | | | | | | | |
| INSURER A: Continental Casualty Company | 20443 | | | | | | | | | | | | | | |
| INSURER B: Berkshire Hathaway Specialty Insurance Com | 22276 | | | | | | | | | | | | | | |
| INSURER C: Continental Insurance Company | 35289 | | | | | | | | | | | | | | |
| INSURER D: | | | | | | | | | | | | | | | |
| INSURER E: | | | | | | | | | | | | | | | |
| INSURER F: | | | | | | | | | | | | | | | |

COVERAGES**CERTIFICATE NUMBER:** W25044828**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL SUBR INSD WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|----------|---|--|------------------|-------------------------|-------------------------|--|
| A | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER: | Y | 7018331477 | 04/01/2022 | 04/01/2023 | EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000 \$ |
| A | AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY | Y | BUA 7018331432 | 04/01/2022 | 04/01/2023 | COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$ |
| B | <input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 25,000 | Y | 47-UMO-303445-08 | 04/01/2022 | 04/01/2023 | EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$ |
| C | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | Y/N <input checked="" type="checkbox"/> No | WC7018331446 | 04/01/2022 | 04/01/2023 | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000 |

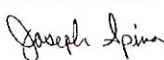
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: 61621154- SEC 7, T38N-R12E,

HINSDALE, COOK COUNTY, ILLINOIS (new Wood Utility pole approximately 45' east of the intersection of Woodland Ave & Taft Road)

Re: Permit Requirement

CERTIFICATE HOLDER

| | |
|--|--|
| Village of Hinsdale, IL. 10455 S. Ridgeland Avenue Chicago Ridge, IL 60415 | CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE  |
|--|--|

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ACORD 25 (2016/03)

The ACORD name and logo are registered marks of ACORD

SR ID: 22697856

BATCH: 2557658

AGENCY CUSTOMER ID: _____

LOC #: _____

**ADDITIONAL REMARKS SCHEDULE**Page 2 of 2

| | | |
|--|-------------------------|--|
| AGENCY Willis Towers Watson Northeast, Inc. | | NAMED INSURED Crown Castle International See Attached Named Insured List 8020 Katy Freeway Houston, TX 77024 |
| POLICY NUMBER See Page 1 | | |
| CARRIER See Page 1 | NAIC CODE See Page 1 | EFFECTIVE DATE: See Page 1 |

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 FORM TITLE: Certificate of Liability Insurance

Village of Hinsdale, IL and its elected and appointed officers, officials, agents, and employees are included as Additional Insureds under the General Liability, Automobile Liability and Umbrella Liability policies as their interest may appear and as required by written agreement and only with respect to the liability arising out of the operations performed by or on behalf of the Named Insured.

| Named Insured | Named Insured (cont.) |
|------------------------------------|--|
| AirComm of Avon, LLC | Crown Castle Solutions LLC |
| Assurable Insurance LLC | Crown Castle South LLC |
| Atlantic Coast Communications LLC | Crown Castle Towers 05 LLC |
| CC Edge LLC | Crown Castle Towers 06-2 LLC |
| CC Holdings GS V LLC | Crown Castle Towers 09 LLC |
| CC Site Acquisitions II LLC | Crown Castle Towers LLC |
| CC Strategic Investment Corp. | Crown Castle USA Inc. |
| CC TM PA LLC | Crown Communication LLC |
| CC Towers Guarantor LLC | Crown Communication New York, Inc. |
| CC Towers Holding LLC | Fibertech Facilities Corp. |
| CCATT Holdings LLC | Global Signal Acquisitions II LLC |
| CCATT LLC | Global Signal Acquisitions III LLC |
| CCATT PR LLC | Global Signal Acquisitions IV LLC |
| CCGS Holdings Corp. | Global Signal Acquisitions LLC |
| CCPR VI Tower Newco LLC | Global Signal GP LLC |
| CCS & E LLC | Global Signal Holdings III LLC |
| CCTM Holdings LLC | Global Signal Operating Partnership, LP |
| CCTM1 LLC | GoldenState Towers LLC |
| CCTM2 LLC | GS Savings Inc. |
| CCTMO LLC | GSPN Intangibles LLC |
| ComSite Venture, Inc. | High Point Management Co. LLC |
| Coverage Plus Antennas Systems LLC | ICB Towers LLC |
| Crown Atlantic Company LLC | Interstate Tower Communications LLC |
| Crown Castle AS LLC | Intracoastal City Towers LLC |
| Crown Castle Atlantic LLC | Light Tower Clearinghouse LLC |
| Crown Castle CA Corp. | Md7 Capitol One, LLC |
| Crown Castle Fiber Enterprise LLC | MW Cell Reit 1 LLC |
| Crown Castle Fiber Holdings Corp. | MW Cell TRS 1 LLC |
| Crown Castle Fiber LLC | OP LLC |
| Crown Castle GS III Corp. | OP 2 LLC |
| Crown Castle GT Company LLC | Pinnacle Towers Acquisition Holdings LLC |
| Crown Castle GT Corp. | Pinnacle Towers Acquisition LLC |
| Crown Castle GT Holding Sub LLC | Pinnacle Towers Asset Holding LLC |
| Crown Castle International Corp. | Pinnacle Towers Canada Inc. |
| Crown Castle International LLC | Pinnacle Towers III LLC |
| Crown Castle Investment Corp. | Pinnacle Towers Limited |
| Crown Castle Investment II Corp. | Pinnacle Towers LLC |
| Crown Castle MU LLC | Pinnacle Towers V Inc. |
| Crown Castle MUPA LLC | PR Site Development Corporation |
| Crown Castle NG East LLC | Radio Station WGLD LLC |
| Crown Castle Operating Company | Shaffer & Associates, Inc. |
| Crown Castle Operating LLC | Sidera Networks UK Limited (UK) |
| Crown Castle Orlando Corp. | Sierra Towers, Inc. |
| Crown Castle PR LLC | Tower Development Corporation |
| Crown Castle PR Solutions LLC | Tower Systems LLC |
| Crown Castle Puerto Rico Corp. | Tower Technology Company of Jacksonville LLC |

| Named Insured | Named Insured (cont.) |
|--|--|
| Tower Ventures III LLC | Fiber Technologies Networks, L.L.C. (NY) |
| TowerOne Partners, LLC | Fibernet Direct Florida LLC |
| TriStar Investors LLC | Fibernet Direct Holdings LLC |
| TVHT LLC | Fibernet Direct TEL LLC |
| WCP Wireless Lease Subsidiary, LLC | Fibernet Direct Texas LLC |
| WCP Wireless Site Funding LLC | Fibertech Holdings Corp. |
| WCP Wireless Site Holdco LLC | Fibertech Networks, LLC |
| WCP Wireless Site Non-RE Funding LLC | Freedom Telecommunications, LLC |
| WCP Wireless Site Non-RE Holdco LLC | Global Signal Services LLC |
| WCP Wireless Site RE Funding LLC | InfraSource FI, LLC |
| WCP Wireless Site RE Holdco LLC | InSITE Fiber of Virginia LLC |
| Merged Entities to Crown Castle Fiber LLC | InSITE Solutions LLC |
| 24/7 Chesapeake Holdings, LLC | IX2 Center, LLC |
| 24/7 Mid-Atlantic Network of Virginia, LLC | IX2 Wilshire, LLC |
| 24/7 Mid-Atlantic Network, LLC | JBCM Towers LLC |
| Access Fiber Group Holdings LLC | Light Tower Fiber New York, Inc. (NY) |
| Access Fiber Group, Inc. | Light Tower Holdings LLC |
| CA - CLEC LLC | Light Tower Management, Inc. |
| CC Castle International LLC | Light Tower Metro Fiber LLC |
| CC Edge Solutions LLC | Lighttower Fiber Infrastructure Corp. |
| CC Finance LLC | Lighttower Fiber Networks I, LLC |
| CC FN Holdings LLC | Lighttower Fiber Networks II, LLC n/k/a Crown Castle Fiber LLC |
| CC Sunesys Fiber Networks LLC | LL Q1-18, LLC |
| CC TS LLC | LTS Buyer LLC |
| CCPE Acquisitions LLC | LTS Group Holdings LLC n/k/a Crown Castle Fiber Holdings Corp |
| CCT2 Holdings LLC | LTS Intermediate Holdings A LLC |
| Chesapeake Fiber, LLC | LTS Intermediate Holdings B LLC |
| Coastal Antennas LLC | LTS Intermediate Holdings C LLC |
| Cross Connect Solutions, Inc. (PA) | Mobile Media California LLC |
| Crown Castle Atlantic LLC | Mobile Media National LLC |
| Crown Castle Augusta LLC | Modeo LLC |
| Crown Castle BP ATT LLC | NEON Transcom, Inc. |
| Crown Castle International Corp. de Puerto Rico | NewPath Networks Holding LLC |
| Crown Castle MM Holding Corp. | NewPath Networks LLC |
| Crown Castle MM Holding LLC | NY - CLEC LLC |
| Crown Castle NG Atlantic LLC | P3 CHB-1, LLC |
| Crown Castle NG Central LLC | P3 Holdings 2014 LLC |
| Crown Castle NG Networks LLC | P3 OASA-1, LLC |
| Crown Castle NG West LLC | P3 PBA-1, LLC |
| Crown Castle PT Inc. | PA - CLEC LLC |
| Crown Castle Services LLC | Pinnacle San Antonio L.L.C. |
| Crown Castle TDC LLC | Pinnacle St. Louis LLC |
| Crown Castle TLA LLC | PR TDC Corporation |
| Crown Mobile Systems, Inc. | Princeton Ancillary Services II LLC |
| DAS Development Corporation | Princeton Ancillary Services III LLC |

Crown Castle International Corp.

Edition Date: 04/20/22

| Named Insured | Named Insured (cont.) |
|--|-----------------------|
| RGP Tower Group, LLC | |
| Sidera Networks, Inc. | |
| Sunesys Enterprise LLC n/k/a Crown Castle Fiber Enterprise LLC | |
| Sunesys of Massachusetts, LLC | |
| Sunesys of Virginia, Inc. | |
| Sunesys, LLC | |
| Thunder Towers LLC | |
| TowerOne 2012, LLC | |
| TowerOne Allentown 001, LLC | |
| TowerOne Bethlehem 001, LLC | |
| TowerOne Doylestown, LLC | |
| TowerOne East Rockhill 001, LLC | |
| TowerOne Marple, LLC | |
| TowerOne Middletown 001, LLC | |
| TowerOne Middletown 002, LLC | |
| TowerOne Middletown 003, LLC | |
| TowerOne North Coventry, LLC | |
| TowerOne Richland, LLC | |
| TowerOne Upper Pottsgrove 002, LLC | |
| TowerOne Upper Pottsgrove, LLC | |
| TowerOne Warminster 001, LLC | |
| TowerOne Warrington 002, LLC | |
| Towers Finco II LLC | |
| Towers Finco III LLC | |
| Towers Finco LLC | |
| WA - CLEC LLC | |
| Wilcon Holdings LLC | |
| Wilcon Operations LLC | |
| Wilshire Connection, LLC | |
| Wilshire Services, LLC | |
| Wireless Funding, LLC | |
| Wireless Realty Holdings II, LLC | |
| Wireless Revenue Properties, LLC | |
| Yankee Metro Parent, Inc. | |

Electronic Copy Of Application

Submitted via USPS Certified Mail

Postmarked June 17th, 2022

Bond

(Hinsdale – Site Specific)

PERFORMANCE BOND

Bond Number: 20BSBIW4439

KNOW ALL BY THESE PRESENTS, That we Crown Castle Fiber LLC, as Principal, hereinafter called Principal, and Hartford Fire Insurance Company, a CT corporation, as Surety, hereinafter called Surety, are held and firmly bound unto Village of Hinsdale, as Obligee, hereinafter called Obligee, in the amount of Ten Thousand Dollars and 00/100 Dollars (\$ 10,000.00) for the payment of which sum, well and truly to be made, the said Principal and Surety bind themselves, and their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, as a condition of said Permit requires Principal to provide a Bond Restoration of Right of Way after Construction – Hinsdale, Cook County, Illinois – New Wood Utility Pole Approximately 45' East of the Intersection of Woodland Ave and Taft Road.

NOW, THEREFORE, THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, That if Principal shall promptly and faithfully perform said agreement, then this obligation is void, otherwise to remain in full force and effect.

PROVIDED, HOWEVER, That:

1. It shall be a condition precedent to any right of recovery hereunder, that in event of any default on the part of the Principal, a written statement of the particular facts of such default shall be forwarded to the Surety, within sixty (60) days of the occurrence of such default, delivered by registered mail to Surety at its Home Office in Hartford, CT.
2. That no action, lawsuit or proceeding shall be had or maintained against the Surety on this Bond unless the same be filed and properly served upon the Surety within one year from the effective date of the cancellation of the Bond.
3. That no right of action shall accrue under this Bond to or for the use of a person or entity other than the Obligee, and its successors and assigns.
4. This Bond shall become effective June 1, 2022.
5. This Bond shall continue in full force and effect until canceled by the Surety by providing thirty (30) days written notice to the Obligee.
6. The liability of the Surety shall in no event exceed the aggregate penal sum of the Bond penalty.
7. If any conflict or inconsistency exists between the Surety's obligation or undertakings as described in the Bond and as described in the underlying document, then the terms of the Bond shall prevail.

IN WITNESS WHEREOF, The said Principal has signed and sealed this instrument on this 1st day of June, 2022.



Crown Castle Fiber LLC

By: 

Digitally signed by Jessica R
Chiniewicz
Date: 2022.06.02 08:29:13 -04'00'

Name/Title Jessica R. Chiniewicz Risk & Surety Bond Manager

IN WITNESS WHEREOF, The said Surety has signed and sealed this instrument on this 1st day of June, 2022.



Hartford Fire Insurance Company

By: Donna M Planeta

Digitally signed by Donna M
Planeta
Date: 2022.06.01 15:16:
38-04'00'

Donna M Planeta, Attorney-in-Fact

POWER OF ATTORNEY

Direct Inquiries/Claims to:

THE HARTFORD

BOND, T-11

One Hartford Plaza

Hartford, Connecticut 06155

Bond.Claims@thehartford.com

call: 888-266-3488 or fax: 860-757-5835

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Agency Code: SurePath

- ☒ **Hartford Fire Insurance Company**, a corporation duly organized under the laws of the State of Connecticut
☐ **Hartford Casualty Insurance Company**, a corporation duly organized under the laws of the State of Indiana
☐ **Hartford Accident and Indemnity Company**, a corporation duly organized under the laws of the State of Connecticut
☐ **Hartford Underwriters Insurance Company**, a corporation duly organized under the laws of the State of Connecticut
☐ **Twin City Fire Insurance Company**, a corporation duly organized under the laws of the State of Indiana
☐ **Hartford Insurance Company of Illinois**, a corporation duly organized under the laws of the State of Illinois
☐ **Hartford Insurance Company of the Midwest**, a corporation duly organized under the laws of the State of Indiana
☐ **Hartford Insurance Company of the Southeast**, a corporation duly organized under the laws of the State of Florida

having their home office in Hartford, Connecticut (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint

Donna M Planeta of Knoxville, TN

their true and lawful Attorney-in-Fact, to sign its name as surety(ies) only as delineated above by ☒, and to execute, seal and acknowledge the following bond, undertaking, contract or written instrument:

Bond No. 20BSBIW4439

on behalf of

Crown Castle Fiber LLC

naming

Village of Hinsdale

as Oblige in the amount of See Bond Form

on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

In Witness Whereof, and as authorized by a Resolution of the Board of Directors of the Companies on May 23, 2016 the Companies have caused these presents to be signed by its Assistant Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Companies, the Companies hereby unambiguously affirm that they are and will be bound by any mechanically applied signatures applied to this Power of Attorney.



Shelby Wiggins

Shelby Wiggins, Assistant Secretary

Joelle L. LaPierre

Joelle L. LaPierre, Assistant Vice President

STATE OF FLORIDA

COUNTY OF SEMINOLE

ss. Lake Mary

On this 20th day of May, 2021, before me personally came Joelle LaPierre, to me known, who being by me duly sworn, did depose and say: that (s)he resides in Seminole County, State of Florida; that (s)he is the Assistant Vice President of the Companies, the corporations described in and which executed the above instrument; that (s)he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that (s)he signed his/her name thereto by like authority.



Jessica Ciccone

Jessica Ciccone
My Commission IIII 122280
Expires June 20, 2025

I, the undersigned, Assistant Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of June 1, 2022.

Signed and sealed in Lake Mary, Florida.



Keith D. Dozois

Keith D. Dozois, Assistant Vice President