

**COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION**

In the Matter of:

THE APPLICATION OF)
CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS)
AND WHITEROCK HOLDINGS, LLC FOR ISSUANCE) CASE NO. 2024-00293
OF A CERTIFICATE OF PUBLIC CONVENIENCE AND)
NECESSITY TO CONSTRUCT A WIRELESS)
COMMUNICATIONS FACILITY IN THE)
COMMONWEALTH OF KENTUCKY IN THE COUNTY)
OF GREEN)

SITE NAME: ALLENDALE

* * * * *

**APPLICATION FOR
CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY
FOR CONSTRUCTION OF A WIRELESS COMMUNICATIONS FACILITY**

Cellco Partnership, d/b/a Verizon Wireless and WhiteRock Holdings, LLC (“Co-Applicants”), by counsel, pursuant to (i) KRS §§278.020, 278.040, 278.650, 278.665, and other statutory authority, and the rules and regulations applicable thereto, and (ii) the Telecommunications Act of 1996, respectfully submit this Application requesting issuance of a Certificate of Public Convenience and Necessity (“CPCN”) from the Kentucky Public Service Commission (“PSC”) to construct, maintain, and operate a Wireless Communications Facility (“WCF”) to serve the customers of the Co-Applicant with wireless communications services.

In support of this Application, Co-Applicants respectfully provide and state the following information:

1. The complete name and address of the Co-Applicants:
 - a. Cellco Partnership, d/b/a Verizon Wireless, having a local address of 2902 Ring Road, Elizabethtown, KY, 42701.

- b. WhiteRock Holdings, LLC, having a local address of 604 Fox Glen, Barrington, IL 60010

2. Co-Applicants:

- a. Cellco Partnership, d/b/a Verizon Wireless is a Delaware general partnership and a copy of the Statement of Good Standing from Delaware, and the Certificate of Assumed Name is on file with the Secretary of State of Commonwealth of Kentucky and included as part of **Exhibit A**.
- b. WhiteRock Holding, LLC is an Illinois limited liability company and copies of the formulation document from Illinois, and the Certificate of Authorization on file with the Secretary of State of Commonwealth of Kentucky, are included as part of **Exhibit A**.

3. Co-Applicants propose construction of an antenna tower for communications services, which is to be located in an area outside the jurisdiction of a planning commission, and Co-Applicants submit this application to the PSC for a certificate of public convenience and necessity pursuant to KRS §§ 278.020(1), 278.040, 278.650, 278.665, and other statutory authority.

4. The Co-Applicant operates on frequencies licensed by the Federal Communications Commission ("FCC") pursuant to applicable FCC requirements. A copy of the Co-Applicants' FCC Registration and Licenses with Authorization to provide wireless services are attached to this Application or described as part of **Exhibit B**, and the facility will be constructed and operated in accordance with applicable FCC regulations.

5. The public convenience and necessity require the construction of the proposed WCF. The construction of the WCF will bring or improve the Co-Applicant's services to an area

currently not served or not adequately served by the Co-Applicants by increasing coverage or capacity and thereby enhancing the public's access to innovative and competitive wireless communications services. A statement from Co-Applicant's RF Design Engineer outlining said need is attached as **Exhibit R** along with Propagation Maps attached as **Exhibit S**. The WCF is an integral link in the Applicant's network design that must be in place to provide adequate coverage to the service area.

6. To address the above-described service needs, Co-Applicants propose to construct a WCF located at 8820 Hodgenville Rd, Summerville, KY 42782 (North Latitude: (37° 22' 14.2581", West Longitude 85° 34' 53.954"), on a parcel of land located entirely within the county referenced in the caption of this application. The property on which the WCF will be located is owned by Creason Family IRR Trust % Kathy Chase pursuant to a Deed recorded in Deed Book 263, Page 179 in the office of the County Clerk. The proposed WCF will consist of a 255-foot tall tower, with an approximately 5-foot tall lightning arrestor attached at the top, for a total height of 260-feet. The WCF will also include concrete foundations and a shelter or cabinets to accommodate the placement of the Co-Applicant's radio electronics equipment and appurtenant equipment. The Co-Applicant's equipment cabinet or shelter will be approved for use in the Commonwealth of Kentucky by the relevant building inspector. The WCF compound will be fenced and all access gate(s) will be secured. A description of the manner in which the proposed WCF will be constructed is attached as **Exhibit C** and **Exhibit D**.

7. A list of utilities, corporations, or persons with whom the proposed WCF is likely to compete along with a map showing the proposed location as well as the identified like facilities is attached as **Exhibit E**.

8. The site development plan and a vertical profile sketch of the WCF signed and sealed by a professional engineer registered in Kentucky depicting the tower height, as well as a proposed configuration for the antennas of the Co-Applicant has also been included as part of **Exhibit C**.

9. Foundation design plans signed and sealed by a professional engineer registered in Kentucky and a description of the standards according to which the tower was designed are included as part of **Exhibit D**.

10. Co-Applicants have considered the likely effects of the installation of the proposed WCF on nearby land uses and values and has concluded that there is no more suitable location reasonably available from which adequate services can be provided, and that there are no reasonably available opportunities to co-locate Co-Applicant's antennas on an existing structure. When suitable towers or structures exist, Co-Applicant attempts to co-locate on existing structures such as communications towers or other structures capable of supporting Co-Applicant's facilities; however, no other suitable or available co-location site was found to be located in the vicinity of the site. A statement from Co-Applicant, Cellco Partnership, d/b/a Verizon Wireless's RF Design Engineer outlining exploration of co-location opportunities is attached as **Exhibit R**.

11. A copy of the Application for Federal Aviation Administration's ("FAA") and the FAA Determination of No Hazard (DNH) are attached as **Exhibit F**

12. A copy of the application submission and the letter of Approval from to the Kentucky Airport Zoning Commission ("KAZC") is attached as **Exhibit G**.

13. A geotechnical engineering report was performed at the WCF site by Sinnott Gering and Schmitt Towers, LLC, 14708 Custer Rd, Ste. 102, Omaha, NE 68138, dated September 11, 2024 and is attached as **Exhibit H**. The name and address of the geotechnical engineering firm

and the professional engineer registered in Kentucky who prepared the report are included as part of **Exhibit H and Exhibit T**.

14. Clear directions to the proposed WCF site from the County seat are attached as **Exhibit I**. The name and telephone number of the preparer of **Exhibit I** are included as part of this exhibit.

15. Applicant, pursuant to a written agreement, has acquired the right to use the WCF site and associated property rights. A copy of the agreement or an abbreviated agreement recorded with the County Clerk is attached as **Exhibit J**.

16. Personnel directly responsible for the design and construction of the proposed WCF are well qualified and experienced. The tower and foundation drawings for the proposed tower submitted as part of **Exhibit D** bear the signature and stamp of a professional engineer registered in the Commonwealth of Kentucky. All tower designs meet or exceed the minimum requirements of applicable laws and regulations. The identity and qualifications of each person directly responsible for design and construction of the proposed tower are contained in **Exhibit T**.

17. The Construction Manager for the proposed facility is Steve Martin and the identity and qualifications of each person directly responsible for design and construction of the proposed tower are contained in **Exhibit T**.

18. As noted on the Survey attached as part of **Exhibit C**, the surveyor has determined that the tower site and access easement are not within any flood hazard area per Flood Hazard Boundary Map, Community Panel Number 21087C0125C, Dated May 3, 2010.

19. **Exhibit C** includes a map drawn to an appropriate scale that shows the location of the proposed tower and identifies every owner of real estate within 500 feet of the proposed tower, every owner of real estate within 200 feet of the access road including intersection with the public

street system and all abutting property owners (according to the records maintained by the County Property Valuation Administrator). Attached as **Exhibit K** is the Notification List with screen shots of the PVA records verified and updated using the Green County PVA on September 9, 2024. **Exhibit C** also identifies every structure and every easement within 500 feet of the proposed tower or within 200 feet of the access road including intersection with the public street system.

20. Co-Applicants have sent certified notices to every person who, according to the records of the County Property Valuation Administrator, owns property which is within 500 feet of the proposed tower or contiguous to the site property, by certified mail, return receipt requested, of the proposed construction. Each notified property owner has been provided with a map of the location of the proposed construction, the PSC docket number for this application, the address of the PSC, and informed of his or her right to request intervention. A copy of the form of the notice sent by certified mail to each landowner on September 10, 2024, is attached as **Exhibit L**. Twelve (12) notices were sent to surrounding property owners; to date eleven (11) notice green cards have been returned and USPS tracking indicates that one (1) notice was attempted for delivery on September 13, 2024 with a reminder to schedule redelivery on September 18, 2024. **Exhibit L** includes the notice, returned green cards and USPS tracking information. We would note all notices are accounted for.

21. Co-Applicants have notified the applicable County Judge/Executive by certified mail, return receipt requested, of the proposed construction. This notice included the PSC docket number under which the application will be processed and informed the County Judge/Executive of his/her right to request intervention. A copy of this notice along with a copy of the mailed envelope and returned green card is attached as **Exhibit M**.

22. Notice signs meeting the requirements prescribed by 807 KAR 5:063, Section 1(2) that measure at least 2 feet in height and 4 feet in width and that contain all required language in letters of required height, have been posted, one in a visible location on the proposed site and one on the nearest public road. Such signs shall remain posted for at least two weeks after filing of the Application, and a copy of the posted text is attached as **Exhibit N**.

23. A legal notice advertisement regarding the location of the proposed facility has been published in a newspaper of general circulation in the county in which the WCF is proposed to be located. A copy of the newspaper legal notice advertisement is attached as **Exhibit O**.

24. The area of the proposed facility is in the unincorporated area of Green County, Kentucky. The site is located at 8820 Hodgenville Rd, Summerville, KY 42782. The proposed site is an open agricultural area. The area is largely agricultural uses and scattered single family homes and businesses. The terrain is hilly and the public right-of-way is lined with trees. There is no zoning or Plan Commission in this area of Green County. The proposed facility is removed a significant distance from any residential structures. The nearest residential structure is 333 feet from the proposed tower site.

25. The process that was used by the Co-Applicant's radio frequency engineers in selecting the site for the proposed WCF was consistent with the general process used for selecting all other existing and proposed WCF facilities within the proposed network design area. Co-Applicant's radio frequency engineers have conducted studies and tests in order to develop a highly efficient network that is designed to handle voice and data traffic in the service area. The engineers determined an optimum area for the placement of the proposed facility in terms of elevation and location to provide the best quality service to customers in the service area. A radio frequency design search area prepared in reference to these radio frequency studies was considered by the

Co-Applicant when searching for sites for its antennas that would provide the coverage deemed necessary by the Co-Applicant. A map of the area in which the tower is proposed to be located which is drawn to scale and clearly depicts the necessary search area within which the site should be located pursuant to radio frequency requirements is attached as **Exhibit Q**.

26. The tower must be located at the proposed location and proposed height to provide necessary service to wireless communications users in the subject area, as set out and documented in the RF Design Engineer's Statement of Need and Propagation Maps attached as **Exhibit R** and **Exhibit S**, respectively. The proposed tower will expand and improve voice and data service for Verizon Wireless customers.

27. Attached hereto as **Exhibit U** please find an Affidavit of Certification for all information contained in this application.

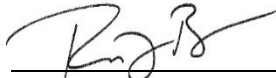
28. All Exhibits to this Application are hereby incorporated by reference as if fully set out as part of the Application.

29. All responses and requests associated with this Application may be directed to:

Russell L. Brown
Clark, Quinn, Moses, Scott & Grahn, LLP
320 North Meridian Street, Suite 1100
Indianapolis, IN 46204
Phone: (317) 637-1321
FAX: (317) 687-2344
Email: rbrown@clarkquinnlaw.com

WHEREFORE, Co-Applicants respectfully request that the PSC accept the foregoing Application for filing and, having met the requirements of KRS §§278.020(1), 278.650, and 278.665 and all applicable rules and regulations of the PSC, grant a Certificate of Public Convenience and Necessity to construct and operate the WCF at the location set forth herein.

Respectfully submitted,



Russell L. Brown

Clark, Quinn, Moses, Scott & Grahn, LLP

320 North Meridian Street, Suite 1100

Indianapolis, IN 46204

Phone: (317) 637-1321 / FAX: (317) 687-2344

Email: rbrown@clarkquinnlaw.com

Attorney for Cellco Partnership d/b/a Verizon Wireless

LIST OF EXHIBITS

- A Applicant Entities
- B FCC Registration and License Documentation
- C Site Development Plan:
 - 500' Vicinity Map Legal Descriptions
 - Flood Plain Certification Site Plan
 - Vertical Tower Profile
- D Tower and Foundation Design
- E Competing Utilities List and Map
- F FAA Application and Determination of No Hazard
- G KAZC Application and Approval
- H Geotechnical Report
- I Directions to WCF Site
- J Real Estate Agreement
- K Notification Listing with PVA Verification
- L Property Owner Notification
- M County Judge/Executive Notice
- N Posted Notices
- O Newspaper Legal Notice Advertisement
- P Location Map
- Q Radio Frequency Design Search Area
- R RF Design Engineer Statement of Need
- S Propagation Maps
- T List of Qualified Professionals
- U Affidavit of Certification

Delaware

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "CELLCO PARTNERSHIP" IS DULY FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE TWENTY-SEVENTH DAY OF APRIL, A.D. 2023.

AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL TAXES HAVE BEEN PAID TO DATE.



A handwritten signature in black ink, appearing to read "JBULLOCK", is written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed.

3341134 8300

SR# 20231665976

You may verify this certificate online at corp.delaware.gov/authver.shtml

Authentication: 203227418

Date: 04-27-23



Michael G. Adams
Secretary of State

Certificate

I, Michael G. Adams, Secretary of State for the Commonwealth of Kentucky, do hereby certify that the foregoing writing has been carefully compared by me with the original thereof, now in my official custody as Secretary of State and remaining on file in my office, and found to be a true and correct copy of

CERTIFICATE OF ASSUMED NAME OF VERIZON WIRELESS ADOPTED BY
GENERAL PARTNERS OF CELLCO PARTNERSHIP FILED JUNE 21, 2006.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my
Official Seal at Frankfort, Kentucky, this 10th day of May, 2023.



Michael G. Adams
Secretary of State
Commonwealth of Kentucky
kdcoleman/0641227 - Certificate ID: 290787

COMMONWEALTH OF KENTUCKY
TREY GRAYSON
SECRETARY OF STATE



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C226

Trey Grayson
Secretary of State
Received and Filed
06/21/2006 12:06:09 PM
Fee Receipt: \$20.00

CERTIFICATE OF ASSUMED NAME

This certifies that the assumed name of
Verizon Wireless

(Name under which the business will be conducted)

has been adopted by See Addendum

(Real name - KRS 365.015(1))

which is the "real name" of (YOU MUST CHECK ONE)

- | | |
|--|---|
| <input type="checkbox"/> a Domestic General Partnership | <input checked="" type="checkbox"/> a Foreign General Partnership |
| <input type="checkbox"/> a Domestic Registered Limited Liability Partnership | <input type="checkbox"/> a Foreign Registered Limited Liability Partnership |
| <input type="checkbox"/> a Domestic Limited Partnership | <input type="checkbox"/> a Foreign Limited Partnership |
| <input type="checkbox"/> a Domestic Business Trust | <input type="checkbox"/> a Foreign Business Trust |
| <input type="checkbox"/> a Domestic Corporation | <input type="checkbox"/> a Foreign Corporation |
| <input type="checkbox"/> a Domestic Limited Liability Company | <input type="checkbox"/> a Foreign Limited Liability Company |
| <input type="checkbox"/> a Joint Venture | |

organized and existing in the state or country of Delaware, and whose address is

One Verizon Way Basking Ridge NJ 07920

Street address, if any

City

State

Zip Code

The certificate of assumed name is executed by
NYNEX PCS Inc.

Jane A. Schepker
Signature
Jane A. Schepker-Assistant Secretary

Print or type name and title

June 15, 2006

Date

Signature

Print or type name and title

Date

Addendum

The full name of the Partnership is Cellco Partnership; a Delaware general partnership with its headquarters located One Verizon Way, Basking Ridge NJ 07920-1097.

General Partners of Cellco Partnership	Address
Bell Atlantic Cellular Holdings, L.P.	One Verizon Way Basking Ridge, NJ 07920
NYNEX PCS Inc.	One Verizon Way Basking Ridge, NJ 07920
PCSCO Partnership	One Verizon Way Basking Ridge, NJ 07920
GTE Wireless Incorporated	One Verizon Way Basking Ridge, NJ 07920
GTE Wireless of Ohio Incorporated	One Verizon Way Basking Ridge, NJ 07920
PCS Nucleus, L.P.	2999 Oak Road, 7 th Floor Walnut Creek, CA 94597
JV PartnerCo, LLC	2999 Oak Road, 7 th Floor Walnut Creek, CA 94597

Commonwealth of Kentucky
Michael G. Adams, Secretary of State

Michael G. Adams
Secretary of State
P. O. Box 718
Frankfort, KY 40602-0718
(502) 564-3490
<http://www.sos.ky.gov>

Certificate of Authorization

Authentication number: 297432

Visit <https://web.sos.ky.gov/ftshow/certvalidate.aspx> to authenticate this certificate.

I, Michael G. Adams, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

TOWERCO 2013 LLC

, a limited liability company authorized under the laws of the state of Delaware, is authorized to transact business in the Commonwealth of Kentucky, and received the authority to transact business in Kentucky on June 12, 2013.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that an application for certificate of withdrawal has not been filed; and that the most recent annual report required by KRS 14A.6-010 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 15th day of September, 2023, in the 232nd year of the Commonwealth.



Michael G. Adams

Michael G. Adams
Secretary of State
Commonwealth of Kentucky
297432/0859822

Form **LLC-5.5**

**Illinois
Limited Liability Company Act
Articles of Organization**

FILE # 05912636

Secretary of State Jesse White
Department of Business Services
Limited Liability Division
www.cyberdriveillinois.com

Filing Fee: \$500
Expedited Fee: \$100
Approved By: TLB

FILED
AUG 01 2016
Jesse White
Secretary of State

1. Limited Liability Company Name: WHITEROCK HOLDINGS, LLC

2. Address of Principal Place of Business where records of the company will be kept:
604 FOX GLEN

BARRINGTON, IL 60010

3. Articles of Organization effective on the filing date.

4. Registered Agent's Name and Registered Office Address:

STEVEN L. BAERSON
1 N LA SALLE ST STE 1350
CHICAGO, IL 60602-4551

5. Purpose for which the Limited Liability Company is organized:
"The transaction of any or all lawful business for which Limited Liability Companies may be organized under this Act."

6. The LLC is to have perpetual existence.

7. The Limited Liability Company is managed by the manager(s).

AURIEMA, JACK J.
604 FOX GLEN
BARRINGTON, IL 60010

AURIEMA, JR., JACK J.
604 FOX GLEN
BARRINGTON, IL 60010

8. **Name and Address of Organizer**

I affirm, under penalties of perjury, having authority to sign hereto, that these Articles of Organization are to the best of my knowledge and belief, true, correct and complete.

Dated: AUGUST 01, 2016

STEVEN L. BAERSON
1 N. LA SALLE ST., #1350
CHICAGO, IL 60602

Commonwealth of Kentucky
Michael G. Adams, Secretary of State

Michael G. Adams
Secretary of State
P. O. Box 718
Frankfort, KY 40602-0718
(502) 564-3490
<http://www.sos.ky.gov>

Certificate of Authorization

Authentication number: 318962

Visit <https://web.sos.ky.gov/ftsshow/certvalidate.aspx> to authenticate this certificate.

I, Michael G. Adams, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

WHITEROCK HOLDINGS, LLC

, a limited liability company authorized under the laws of the state of Illinois, is authorized to transact business in the Commonwealth of Kentucky, and received the authority to transact business in Kentucky on April 24, 2024.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that an application for certificate of withdrawal has not been filed; and that the most recent annual report required by KRS 14A.6-010 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 9th day of September, 2024, in the 233rd year of the Commonwealth.



Michael G. Adams

Michael G. Adams
Secretary of State
Commonwealth of Kentucky
318962/1359883



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



OWNER: WhiteRock Holdings LLC

FCC Registration Number (FRN): 0026979633

ATTN: Steve Martin WhiteRock Holdings LLC 604 Fox Glen Barrington, IL 60010	Antenna Structure Registration Number 1328124
	Issue Date 06/17/2024
Location of Antenna Structure 8600 Hodgenville Road Summersville, KY 42782 County: GREEN	Ground Elevation (AMSL) 249.9 meters
	Overall Height Above Ground (AGL) 79.2 meters
Latitude 37- 22- 14.3 N	Longitude 085- 34- 54.0 W
Center of Array Coordinates N/A	
Overall Height Above Mean Sea Level (AMSL) 329.1 meters	
Type of Structure LTOWER Lattice Tower	
Painting and Lighting Requirements: FAA Chapters 4, 8, 15 Paint and Light in Accordance with FAA Circular Number 70/7460-1M	
Conditions:	

This registration is effective upon completion of the described antenna structure and notification to the Commission. **YOU MUST NOTIFY THE COMMISSION WITHIN 5 DAYS OF COMPLETION OF CONSTRUCTION OR CANCELLATION OF YOUR PROJECT, please file FCC Form 854.** To file electronically, connect to the antenna structure registration system by pointing your web browser to <https://www.fcc.gov/antenna-structure-registration>. Electronic filing is required. Use purpose code "NT" for notification of completion of construction; use purpose code "CA" to cancel your registration.

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

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

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

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

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

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Call Sign KNKN795	File Number 0009262187
Radio Service CL - Cellular	
Market Numer CMA446	Channel Block B
Sub-Market Designator 0	

FCC Registration Number (FRN): 0003290673

Market Name Kentucky 4 - Spencer
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Grant Date 09-01-2020	Effective Date 01-13-2021	Expiration Date 10-01-2030	Five Yr Build-Out Date	Print Date
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Site Information:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
1	37-50-16.0 N	085-56-28.0 W	224.3	80.8	1043049

Address: 0.3 KM SW OF US-31 & CENTRAL PARKWAY

City: RADCLIFF County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.900	108.700	115.600	53.800	51.900	74.500	68.800	97.200
Transmitting ERP (watts)	128.990	56.630	6.540	0.320	0.260	0.340	7.510	59.300

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.900	108.700	115.600	53.800	51.900	74.500	68.800	97.200
Transmitting ERP (watts)	0.690	16.910	90.270	116.960	30.240	2.840	0.260	0.330

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.900	108.700	115.600	53.800	51.900	74.500	68.800	97.200
Transmitting ERP (watts)	1.070	0.260	0.340	2.530	33.930	116.960	90.270	14.390

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009262187

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
2	37-50-37.0 N	085-27-20.0 W	231.6	88.4	1043050

Address: 2.3 KM NORTH NORTHEAST OF

City: BARDSTOWN County: NELSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	98.400	90.900	73.400	84.100	101.900	133.400	94.300	98.400
Transmitting ERP (watts)	104.850	19.980	1.660	0.300	0.350	1.660	27.580	112.350

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	98.400	90.900	73.400	84.100	101.900	133.400	94.300	98.400
Transmitting ERP (watts)	5.500	51.350	131.990	70.890	9.340	0.550	0.300	0.330

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	98.400	90.900	73.400	84.100	101.900	133.400	94.300	98.400
Transmitting ERP (watts)	0.300	0.340	0.710	17.400	93.440	120.380	32.400	3.090

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
3	37-32-17.8 N	085-43-44.5 W	238.4	108.2	1251911

Address: 3.2 km south of

City: HODGENVILLE County: LARUE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	97.200	133.300	125.000	81.400	97.300	98.200	119.900	114.300
Transmitting ERP (watts)	77.720	37.630	4.790	0.280	0.240	0.240	4.270	35.940

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	97.200	133.300	125.000	81.400	97.300	98.200	119.900	114.300
Transmitting ERP (watts)	0.890	13.410	73.040	92.590	28.480	2.750	0.230	0.350

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	97.200	133.300	125.000	81.400	97.300	98.200	119.900	114.300
Transmitting ERP (watts)	0.930	0.230	0.270	2.470	27.010	93.450	73.040	14.840

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009262187

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
4	38-01-51.0 N	084-56-25.0 W	250.2	91.1	1043051

Address: 1520 GLENSBURO ROAD

City: LAWRENCEBURG County: ANDERSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	97.800	106.600	109.200	103.100	87.600	99.200	101.700	87.600
Transmitting ERP (watts)	6.320	39.950	96.330	90.640	29.610	4.320	0.310	1.680

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	97.800	106.600	109.200	103.100	87.600	99.200	101.700	87.600
Transmitting ERP (watts)	1.520	0.270	1.720	14.250	71.470	128.360	93.210	17.180

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	97.800	106.600	109.200	103.100	87.600	99.200	101.700	87.600
Transmitting ERP (watts)	99.580	48.660	9.500	0.820	0.630	5.810	24.910	80.200

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
5	37-47-02.0 N	084-54-24.0 W	273.1	86.9	1043052

Address: 1714 CORNISHVILLE ROAD

City: HARRODSBURG County: MERCER State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	99.900	97.100	83.300	87.100	83.500	97.400	113.000	114.500
Transmitting ERP (watts)	178.880	95.250	9.980	0.410	0.380	1.840	19.100	117.180

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	99.900	97.100	83.300	87.100	83.500	97.400	113.000	114.500
Transmitting ERP (watts)	3.790	39.470	153.130	170.750	54.270	3.360	0.380	0.510

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	99.900	97.100	83.300	87.100	83.500	97.400	113.000	114.500
Transmitting ERP (watts)	1.510	0.380	1.080	8.720	72.000	178.800	138.380	25.250

Licensee Name: CELLCO PARTNERSHIP

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File Number: 0009262187

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
6	37-42-07.0 N	085-48-55.0 W	268.2	143.3	1043053

Address: 3.2 KM EAST OF

City: ELIZABETHTOWN County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	119.400	154.200	147.200	92.300	113.000	125.700	112.300	98.700
Transmitting ERP (watts)	128.990	56.630	6.540	0.320	0.260	0.340	7.510	59.300

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	119.400	154.200	147.200	92.300	113.000	125.700	112.300	98.700
Transmitting ERP (watts)	0.690	16.910	90.270	116.960	30.240	2.840	0.260	0.330

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	119.400	154.200	147.200	92.300	113.000	125.700	112.300	98.700
Transmitting ERP (watts)	1.140	0.260	0.360	2.630	28.390	78.020	63.150	13.290

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
7	38-02-06.0 N	085-20-08.0 W	217.6	60.7	1043054

Address: Snyder Bluff Ridge; 0.3 KM N OF SR-44

City: Taylorsville County: SPENCER State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	49.800	59.300	58.700	65.300	55.600	72.400	90.700	56.400
Transmitting ERP (watts)	38.070	131.240	101.290	16.150	1.200	0.300	0.390	2.840

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	49.800	59.300	58.700	65.300	55.600	72.400	90.700	56.400
Transmitting ERP (watts)	0.340	0.540	14.700	90.110	137.670	42.790	4.300	0.300

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	49.800	59.300	58.700	65.300	55.600	72.400	90.700	56.400
Transmitting ERP (watts)	12.510	0.830	0.300	0.380	4.210	45.850	137.670	88.060

Licensee Name: CELLCO PARTNERSHIP

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File Number: 0009262187

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
8	37-31-58.0 N	085-18-59.0 W	319.1	103.6	1043055

Address: 5.6 KILOMETERS SOUTHWEST OF

City: LEBANON County: MARION State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	180.400	155.400	157.600	170.300	150.100	166.500	207.500	199.300
Transmitting ERP (watts)	33.930	116.960	90.270	14.390	1.070	0.260	0.340	2.530

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	180.400	155.400	157.600	170.300	150.100	166.500	207.500	199.300
Transmitting ERP (watts)	0.260	0.340	7.510	59.300	128.990	56.630	6.540	0.320

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	180.400	155.400	157.600	170.300	150.100	166.500	207.500	199.300
Transmitting ERP (watts)	30.240	2.840	0.260	0.330	0.690	16.910	90.270	116.960

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
9	37-52-10.0 N	085-09-29.0 W	253.0	60.6	

Address: 3.2 KM WEST OF

City: TATUM SPRINGS County: WASHINGTON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	79.900	60.800	72.400	64.400	69.900	83.600	82.800	92.400
Transmitting ERP (watts)	178.970	457.380	236.800	30.680	1.780	0.940	1.170	19.290

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	79.900	60.800	72.400	64.400	69.900	83.600	82.800	92.400
Transmitting ERP (watts)	1.030	1.590	42.760	263.680	399.100	126.210	13.220	0.940

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	79.900	60.800	72.400	64.400	69.900	83.600	82.800	92.400
Transmitting ERP (watts)	63.250	5.260	0.940	1.100	5.260	87.310	355.700	331.960

Licensee Name: CELLCO PARTNERSHIP

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File Number: 0009262187

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
10	37-23-00.0 N	085-25-42.0 W	257.5	128.0	1043056

Address: 0.8 KM SW OF SR-210; 8.0 KM WNW OF

City: CAMPBELLSVILLE County: TAYLOR State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	104.400	85.900	88.600	123.900	142.400	154.600	118.100	99.000
Transmitting ERP (watts)	128.990	56.630	6.540	0.320	0.260	0.340	7.510	59.300

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	104.400	85.900	88.600	123.900	142.400	154.600	118.100	99.000
Transmitting ERP (watts)	0.690	11.080	29.450	33.430	17.360	2.910	0.260	0.320

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	104.400	85.900	88.600	123.900	142.400	154.600	118.100	99.000
Transmitting ERP (watts)	1.130	0.260	0.370	2.600	30.680	93.270	73.680	13.650

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
11	37-41-32.0 N	085-13-23.0 W	250.0	39.6	

Address: 0.8 KM East of US-150/SR-55

City: SPRINGFIELD County: WASHINGTON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	66.400	51.400	35.800	32.500	29.900	56.600	64.400	87.000
Transmitting ERP (watts)	138.150	235.860	173.640	32.610	3.200	0.490	3.990	29.590

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	66.400	51.400	35.800	32.500	29.900	56.600	64.400	87.000
Transmitting ERP (watts)	1.190	10.120	52.670	201.260	240.690	112.010	17.460	1.380

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	66.400	51.400	35.800	32.500	29.900	56.600	64.400	87.000
Transmitting ERP (watts)	64.400	7.560	0.570	2.970	12.580	90.770	239.970	223.900

Licensee Name: CELLCO PARTNERSHIP

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File Number: 0009262187

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
12	37-19-34.2 N	085-19-52.8 W	273.7	51.5	1214265

Address: Campbellsville Downtown, 402 Smith Ridge Road

City: Campbellsville County: TAYLOR State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.900	44.000	67.600	79.700	107.000	96.900	102.200	78.400
Transmitting ERP (watts)	56.310	24.160	1.150	0.340	0.340	0.340	1.680	23.720

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.900	44.000	67.600	79.700	107.000	96.900	102.200	78.400
Transmitting ERP (watts)	0.340	5.680	91.680	147.320	19.330	0.760	0.340	0.340

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.900	44.000	67.600	79.700	107.000	96.900	102.200	78.400
Transmitting ERP (watts)	0.340	0.340	0.340	0.340	15.150	141.430	87.210	5.760

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
13	37-16-06.2 N	085-29-20.9 W	220.4	60.6	

Address: ON INDUSTRIAL DRIVE

City: GREENSBURG County: GREEN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	53.800	45.000	61.300	48.800	62.500	61.700	89.500	63.200
Transmitting ERP (watts)	38.070	131.240	101.290	16.150	1.200	0.300	0.390	2.840

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	53.800	45.000	61.300	48.800	62.500	61.700	89.500	63.200
Transmitting ERP (watts)	0.300	0.380	8.420	66.540	144.730	63.540	7.340	0.360

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	53.800	45.000	61.300	48.800	62.500	61.700	89.500	63.200
Transmitting ERP (watts)	33.930	3.180	0.300	0.370	0.780	18.970	101.290	131.240

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009262187

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
14	37-39-32.5 N	085-37-56.7 W	253.9	77.7	1239887

Address: 2760 Cissal Hill Road

City: NEW HAVEN County: LARUE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	170.400	154.400	144.000	129.500	88.800	74.200	65.100	107.400
Transmitting ERP (watts)	124.610	82.100	13.580	1.250	0.280	2.730	18.240	82.650

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	170.400	154.400	144.000	129.500	88.800	74.200	65.100	107.400
Transmitting ERP (watts)	5.460	32.920	114.480	130.660	49.070	6.770	0.450	0.620

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	170.400	154.400	144.000	129.500	88.800	74.200	65.100	107.400
Transmitting ERP (watts)	2.950	0.270	1.500	8.200	53.810	130.660	112.910	27.380

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
15	37-48-57.0 N	085-46-49.0 W	235.0	126.5	1015251

Address: Colesburg, 3.22 KM WSW OF

City: LEBANON JUNCTION County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	146.300	139.600	153.000	176.500	89.800	60.800	96.200	125.700
Transmitting ERP (watts)	3.870	36.570	196.310	280.850	117.860	10.070	0.610	0.610

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	146.300	139.600	153.000	176.500	89.800	60.800	96.200	125.700
Transmitting ERP (watts)	2.460	0.610	1.750	14.200	117.530	291.040	225.240	41.100

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
16	37-26-54.0 N	085-52-48.0 W	249.9	128.0	1060580

Address: One mile (1.6 km) NNW of

City: UPTON County: LARUE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	119.400	107.000	91.200	106.700	108.300	113.300	138.300	124.200
Transmitting ERP (watts)	124.610	46.300	5.190	0.280	0.290	0.370	9.670	66.920

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009262187

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
16	37-26-54.0 N	085-52-48.0 W	249.9	128.0	1060580

Address: One mile (1.6 km) NNW of

City: UPTON County: LARUE State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	119.400	107.000	91.200	106.700	108.300	113.300	138.300	124.200
Transmitting ERP (watts)	0.280	0.310	5.190	48.480	124.610	66.920	8.820	0.520

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	119.400	107.000	91.200	106.700	108.300	113.300	138.300	124.200
Transmitting ERP (watts)	1.320	0.260	0.260	0.260	0.660	33.930	123.180	32.400

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
17	37-44-48.0 N	085-53-19.3 W	275.5	89.9	1287239

Address: Elizabethtown North, near 208 Pear Orchard Road NW

City: ELIZABETHTOWN County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	152.100	156.700	133.600	115.300	142.700	128.700	119.200	136.400
Transmitting ERP (watts)	15.600	78.150	83.650	18.730	1.680	0.230	0.230	0.890

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	152.100	156.700	133.600	115.300	142.700	128.700	119.200	136.400
Transmitting ERP (watts)	0.230	0.230	3.850	37.520	101.630	51.090	7.090	0.270

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	152.100	156.700	133.600	115.300	142.700	128.700	119.200	136.400
Transmitting ERP (watts)	35.830	4.120	0.230	0.230	0.230	7.060	53.010	99.780

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
18	37-52-58.8 N	085-56-33.1 W	213.4	35.1	

Address: Wilson Road

City: Fort Knox County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	54.200	65.500	70.000	29.900	29.900	29.900	33.200	65.800
Transmitting ERP (watts)	38.070	131.240	101.290	16.150	1.200	0.300	0.390	2.840

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009262187

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
18	37-52-58.8 N	085-56-33.1 W	213.4	35.1	

Address: Wilson Road

City: Fort Knox County: HARDIN State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	54.200	65.500	70.000	29.900	29.900	29.900	33.200	65.800
Transmitting ERP (watts)	0.300	0.380	1.830	30.180	122.250	111.260	20.840	1.700

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	54.200	65.500	70.000	29.900	29.900	29.900	33.200	65.800
Transmitting ERP (watts)	30.680	3.270	0.300	0.400	0.820	17.990	82.670	104.650

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
19	37-36-04.0 N	085-52-00.0 W	234.4	65.5	1057215

Address: GLENDALE CELL SITE, 6667 SOUTH DIXIE HWY.

City: ELIZABETHTOWN County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	52.500	34.700	50.500	66.200	54.100	71.900	71.800	64.000
Transmitting ERP (watts)	105.650	71.160	11.410	0.820	0.330	0.330	3.120	35.390

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	52.500	34.700	50.500	66.200	54.100	71.900	71.800	64.000
Transmitting ERP (watts)	0.330	0.420	4.720	51.450	154.470	98.800	14.040	0.930

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	52.500	34.700	50.500	66.200	54.100	71.900	71.800	64.000
Transmitting ERP (watts)	10.870	0.630	0.330	0.410	6.840	63.420	162.090	83.920

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
20	37-39-26.3 N	085-56-34.7 W	220.1	72.5	1247548

Address: 1036 East Main Street

City: Cecilia County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	36.100	44.200	42.900	64.500	71.800	69.500	54.300	44.500
Transmitting ERP (watts)	57.760	95.330	41.480	5.760	0.300	0.330	0.460	10.830

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009262187

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
20	37-39-26.3 N	085-56-34.7 W	220.1	72.5	1247548

Address: 1036 East Main Street

City: Cecilia County: HARDIN State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	36.100	44.200	42.900	64.500	71.800	69.500	54.300	44.500
Transmitting ERP (watts)	0.370	0.570	14.180	74.450	109.410	37.870	4.380	0.300

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	36.100	44.200	42.900	64.500	71.800	69.500	54.300	44.500
Transmitting ERP (watts)	16.150	1.200	0.300	0.390	2.840	38.070	131.240	101.290

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
21	37-58-13.6 N	085-29-07.4 W	207.9	129.5	1204265

Address: 11920 Louisville Road

City: Cox Creek County: NELSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	89.900	82.300	58.800	54.100	76.600	70.500	98.000	89.700
Transmitting ERP (watts)	23.200	80.450	62.450	10.360	0.790	0.200	0.230	1.720

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	89.900	82.300	58.800	54.100	76.600	70.500	98.000	89.700
Transmitting ERP (watts)	0.310	0.960	19.520	91.310	100.120	22.420	2.040	0.260

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
22	37-27-43.2 N	085-34-27.8 W	286.5	77.7	1227279

Address: Taylor/Larue, City of

City: Gotton County: TAYLOR State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	159.200	129.400	81.500	115.300	138.400	121.200	100.500	107.600
Transmitting ERP (watts)	56.530	144.460	74.790	9.690	0.560	0.300	0.370	6.090

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	159.200	129.400	81.500	115.300	138.400	121.200	100.500	107.600
Transmitting ERP (watts)	0.340	0.540	14.700	90.110	137.670	42.790	4.300	0.300

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009262187

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
22	37-27-43.2 N	085-34-27.8 W	286.5	77.7	1227279

Address: Taylor/Larue, City of

City: Gotton County: TAYLOR State: KY Construction Deadline:

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	159.200	129.400	81.500	115.300	138.400	121.200	100.500	107.600
Transmitting ERP (watts)	20.840	1.700	0.300	0.380	1.830	30.180	122.250	111.260

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
23	37-45-36.7 N	085-59-28.9 W	242.3	77.7	1228925

Address: 1.6 km NW of

City: Rineyville County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.500	82.000	56.400	72.200	75.600	74.900	59.700	68.100
Transmitting ERP (watts)	144.730	63.540	7.340	0.360	0.300	0.380	8.420	66.540

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.500	82.000	56.400	72.200	75.600	74.900	59.700	68.100
Transmitting ERP (watts)	0.430	11.130	78.320	144.460	52.750	5.690	0.300	0.320

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.500	82.000	56.400	72.200	75.600	74.900	59.700	68.100
Transmitting ERP (watts)	1.200	0.300	0.390	2.840	38.070	131.240	101.290	16.150

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
24	37-59-45.9 N	085-57-01.3 W	128.0	38.0	

Address: In the City of

City: West Point County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	29.900	29.900	29.900	29.900
Transmitting ERP (watts)	1.570	1.370	8.820	47.380	124.620	143.080	68.480	15.690

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009262187

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
25	37-45-48.5 N	085-36-59.1 W	154.2	129.5	1204257

Address: Hardin East cell, 6670 Old Bellwood Road

City: Bardstown County: NELSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	34.600	35.200	61.100	39.000	51.400	29.900	62.200	76.800
Transmitting ERP (watts)	112.340	35.530	3.720	0.260	0.290	0.450	12.040	74.220

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	34.600	35.200	61.100	39.000	51.400	29.900	62.200	76.800
Transmitting ERP (watts)	4.920	55.230	162.990	105.240	15.570	1.050	0.380	0.440

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	34.600	35.200	61.100	39.000	51.400	29.900	62.200	76.800
Transmitting ERP (watts)	0.350	0.350	0.350	0.350	15.750	146.950	90.610	5.990

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
26	37-14-59.0 N	085-21-27.8 W	222.8	30.5	1241661

Address: Green River Dam, Southeast of intersection of KY Hwy 55 and Tebbs Bend Road

City: Campbellsville County: TAYLOR State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	29.900	37.100	50.200	29.900
Transmitting ERP (watts)	182.210	79.990	9.240	0.460	0.370	0.480	10.610	83.760

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	29.900	37.100	50.200	29.900
Transmitting ERP (watts)	0.460	7.670	71.160	181.870	94.160	12.200	0.710	0.370

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	29.900	37.100	50.200	29.900
Transmitting ERP (watts)	1.520	0.370	0.480	3.570	47.930	165.220	127.520	20.330

Licensee Name: CELLCO PARTNERSHIP

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File Number: 0009262187

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
27	37-56-34.5 N	084-57-41.8 W	279.2	99.1	1219406

Address: Anderson South, Wharton Farm Road

City: Willisburg County: ANDERSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	124.100	131.600	132.200	109.900	108.100	124.200	120.600	124.900
Transmitting ERP (watts)	25.020	98.760	122.250	55.980	8.450	0.600	0.430	4.550

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	124.100	131.600	132.200	109.900	108.100	124.200	120.600	124.900
Transmitting ERP (watts)	1.160	0.460	5.100	28.820	122.200	165.980	91.360	14.410

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	124.100	131.600	132.200	109.900	108.100	124.200	120.600	124.900
Transmitting ERP (watts)	112.680	31.600	3.530	0.250	1.200	5.330	43.730	119.660

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
28	37-52-43.2 N	085-16-10.5 W	244.4	97.5	1218674

Address: Nelson East, Bluegrass Parkway

City: Bloomfield County: NELSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.900	93.300	95.300	84.000	105.200	83.100	95.100	108.900
Transmitting ERP (watts)	177.070	26.860	1.040	0.400	0.400	0.400	2.910	88.540

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.900	93.300	95.300	84.000	105.200	83.100	95.100	108.900
Transmitting ERP (watts)	1.050	53.470	192.820	50.140	1.980	0.400	0.400	0.400

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.900	93.300	95.300	84.000	105.200	83.100	95.100	108.900
Transmitting ERP (watts)	0.580	0.400	0.400	0.400	7.690	130.960	146.270	13.900

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009262187

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
29	37-33-17.6 N	086-04-47.0 W	255.7	78.6	1224566

Address: Eastview, 1051 Rock Creek Road

City: Summit County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	89.500	109.000	115.900	115.100	112.600	103.200	118.000	108.100
Transmitting ERP (watts)	137.170	29.500	2.640	0.330	0.420	1.320	26.840	127.750

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	89.500	109.000	115.900	115.100	112.600	103.200	118.000	108.100
Transmitting ERP (watts)	9.450	74.650	162.390	71.290	8.230	0.410	0.330	0.420

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	89.500	109.000	115.900	115.100	112.600	103.200	118.000	108.100
Transmitting ERP (watts)	1.350	0.330	0.430	3.180	42.710	147.250	113.650	18.120

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
30	37-40-47.5 N	086-03-13.7 W	258.2	77.7	1256862

Address: Howe Valley, 6509 Hardinsburg Road

City: Cecilia County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	92.500	89.500	105.300	124.100	106.700	108.900	118.300	96.600
Transmitting ERP (watts)	33.930	116.960	90.270	14.390	1.070	0.260	0.340	2.530

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	92.500	89.500	105.300	124.100	106.700	108.900	118.300	96.600
Transmitting ERP (watts)	0.260	0.340	7.510	59.300	128.990	56.630	6.540	0.320

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	92.500	89.500	105.300	124.100	106.700	108.900	118.300	96.600
Transmitting ERP (watts)	30.240	2.840	0.260	0.330	0.690	16.910	90.270	116.960

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009262187

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
31	37-46-52.1 N	085-29-41.6 W	186.8	77.7	1222666

Address: Nelson West, on Highway 31 East

City: Bardstown County: NELSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	45.400	29.900	37.400	48.500	55.000	84.100	76.400	37.400
Transmitting ERP (watts)	148.100	66.150	7.950	0.410	0.330	0.390	8.520	69.270

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	45.400	29.900	37.400	48.500	55.000	84.100	76.400	37.400
Transmitting ERP (watts)	2.890	38.950	135.070	104.850	17.400	1.320	0.330	0.390

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	45.400	29.900	37.400	48.500	55.000	84.100	76.400	37.400
Transmitting ERP (watts)	2.570	0.330	0.390	1.200	24.580	114.960	126.050	28.220

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
32	37-45-22.0 N	085-19-04.1 W	213.4	57.9	1240441

Address: Bardstown SE cell, 7513 U.S. Route 150, 2.1 km east of

City: Fredericktown County: WASHINGTON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	43.100	47.100	33.500	29.900	29.900	55.400	79.700	44.000
Transmitting ERP (watts)	221.490	252.790	94.940	13.100	0.880	1.190	10.560	63.690

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	43.100	47.100	33.500	29.900	29.900	55.400	79.700	44.000
Transmitting ERP (watts)	7.630	43.130	182.830	248.350	136.700	21.560	1.730	0.680

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	43.100	47.100	33.500	29.900	29.900	55.400	79.700	44.000
Transmitting ERP (watts)	41.880	4.140	0.520	2.890	22.300	119.580	253.430	200.980

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009262187

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
33	37-34-40.5 N	085-08-12.5 W	294.1	93.0	1261393

Address: Penick, 6715 Danville Highway (KY11776-A)

City: Lebanon County: MARION State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	120.100	95.800	76.100	74.200	106.700	133.900	113.300	113.200
Transmitting ERP (watts)	17.310	81.910	91.780	21.270	1.870	0.260	0.280	0.860

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	120.100	95.800	76.100	74.200	106.700	133.900	113.300	113.200
Transmitting ERP (watts)	0.300	0.480	13.100	80.300	122.700	38.140	3.840	0.260

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	120.100	95.800	76.100	74.200	106.700	133.900	113.300	113.200
Transmitting ERP (watts)	6.540	0.320	0.260	0.340	7.510	59.300	128.990	56.630

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
34	37-15-19.8 N	085-35-11.9 W	216.1	77.7	1266730

Address: Webbs, 5986 Highway 1464

City: Greensburg County: GREEN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	74.800	92.800	83.300	89.500	54.500	70.300	85.800	89.900
Transmitting ERP (watts)	45.770	117.640	63.170	8.330	0.490	0.260	0.300	4.900

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	74.800	92.800	83.300	89.500	54.500	70.300	85.800	89.900
Transmitting ERP (watts)	0.440	0.920	22.500	120.830	155.660	41.900	4.000	0.380

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	74.800	92.800	83.300	89.500	54.500	70.300	85.800	89.900
Transmitting ERP (watts)	2.760	0.260	0.300	0.630	15.510	83.280	107.290	28.880

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File Number: 0009262187

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
35	37-42-18.4 N	086-12-20.7 W	255.7	77.7	1264212

Address: Vertrees, 15921 Hardinsburg Road

City: Cecilia County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	101.300	69.700	113.300	109.300	123.000	96.700	119.800	106.400
Transmitting ERP (watts)	19.520	91.310	100.120	22.420	2.040	0.260	0.310	0.960

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	101.300	69.700	113.300	109.300	123.000	96.700	119.800	106.400
Transmitting ERP (watts)	0.260	0.300	3.390	38.070	112.340	72.530	10.730	0.730

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	101.300	69.700	113.300	109.300	123.000	96.700	119.800	106.400
Transmitting ERP (watts)	28.880	2.760	0.260	0.300	0.630	15.510	83.280	107.290

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
36	37-53-29.0 N	085-31-56.0 W	220.7	78.3	1062550

Address: Bardstown NW, 720 South Saint Gregory Road

City: Samuels County: NELSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	104.400	71.100	57.700	59.000	95.100	74.500	82.800	83.900
Transmitting ERP (watts)	51.350	131.990	70.890	9.340	0.550	0.300	0.330	5.500

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	104.400	71.100	57.700	59.000	95.100	74.500	82.800	83.900
Transmitting ERP (watts)	0.320	0.500	13.510	83.280	126.050	39.860	4.170	0.300

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	104.400	71.100	57.700	59.000	95.100	74.500	82.800	83.900
Transmitting ERP (watts)	13.350	1.250	0.300	0.300	1.040	15.960	64.650	62.090

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
37	37-25-20.1 N	085-16-59.5 W	333.5	60.6	

Address: Spurlington, 11.25 km NE of

City: Campbellsville County: TAYLOR State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	152.900	158.600	119.800	124.800	156.800	140.700	131.400	136.200
Transmitting ERP (watts)	139.820	92.120	15.240	1.400	0.310	3.060	20.470	92.740

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	152.900	158.600	119.800	124.800	156.800	140.700	131.400	136.200
Transmitting ERP (watts)	6.130	36.940	128.460	146.610	55.060	7.600	0.510	0.690

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	152.900	158.600	119.800	124.800	156.800	140.700	131.400	136.200
Transmitting ERP (watts)	1.130	0.300	1.540	3.910	19.840	66.020	52.400	10.470

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
38	37-53-15.8 N	085-58-41.2 W	213.4	42.7	

Address: Fort Knox II, 120 Fisher Court

City: Fort Knox County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	73.300	58.300	82.500	33.300	37.900	29.900	42.100	69.300
Transmitting ERP (watts)	112.350	104.850	19.980	1.660	0.300	0.350	1.660	27.580

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	73.300	58.300	82.500	33.300	37.900	29.900	42.100	69.300
Transmitting ERP (watts)	0.330	5.500	51.350	131.990	70.890	9.340	0.550	0.300

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	73.300	58.300	82.500	33.300	37.900	29.900	42.100	69.300
Transmitting ERP (watts)	4.170	0.300	0.320	0.500	13.510	83.280	126.050	39.860

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
39	37-48-30.9 N	085-59-37.8 W	217.3	92.6	1230567

Address: Otter Road

City: Vine Grove County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	76.300	83.600	60.600	40.000	46.200	65.400	50.900	60.600
Transmitting ERP (watts)	117.640	52.550	6.320	0.320	0.260	0.310	6.770	55.020

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	76.300	83.600	60.600	40.000	46.200	65.400	50.900	60.600
Transmitting ERP (watts)	0.630	15.510	83.280	107.290	28.880	2.760	0.260	0.300

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	76.300	83.600	60.600	40.000	46.200	65.400	50.900	60.600
Transmitting ERP (watts)	1.050	0.260	0.310	2.290	30.940	107.290	83.280	13.820

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
40	37-26-38.8 N	085-45-12.8 W	264.3	77.7	1254845

Address: 1.3 km northwest of

City: Magnolia County: LARUE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.800	87.900	76.000	113.300	120.400	94.200	96.100	101.400
Transmitting ERP (watts)	116.290	103.170	20.820	1.540	0.380	0.270	3.320	29.820

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.800	87.900	76.000	113.300	120.400	94.200	96.100	101.400
Transmitting ERP (watts)	0.330	5.430	50.380	128.750	66.660	8.640	0.500	0.260

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.800	87.900	76.000	113.300	120.400	94.200	96.100	101.400
Transmitting ERP (watts)	3.840	0.260	0.300	0.480	13.100	80.300	122.700	38.140

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
41	37-11-24.9 N	085-26-58.6 W	258.8	77.7	1258491

Address: Gresham, 501 Bramlett Road

City: Greensburg County: GREEN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	116.300	118.700	101.700	114.600	112.000	92.300	110.500	133.600
Transmitting ERP (watts)	3.000	26.760	106.800	96.730	19.980	1.630	0.340	0.280

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	116.300	118.700	101.700	114.600	112.000	92.300	110.500	133.600
Transmitting ERP (watts)	0.850	0.400	0.640	9.170	71.480	176.260	95.530	13.590

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	116.300	118.700	101.700	114.600	112.000	92.300	110.500	133.600
Transmitting ERP (watts)	118.730	39.040	3.990	0.320	0.280	1.330	13.290	78.990

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
42	37-36-21.0 N	086-03-25.0 W	259.9	91.1	1009674

Address: Stephensburg, 2.0 km North of

City: Eastview County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.500	114.400	126.400	131.700	147.600	118.400	112.300	114.700
Transmitting ERP (watts)	117.640	52.550	6.320	0.320	0.260	0.310	6.770	55.020

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.500	114.400	126.400	131.700	147.600	118.400	112.300	114.700
Transmitting ERP (watts)	0.630	15.510	83.280	107.290	28.880	2.760	0.260	0.300

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.500	114.400	126.400	131.700	147.600	118.400	112.300	114.700
Transmitting ERP (watts)	2.040	0.260	0.310	0.960	19.520	91.310	100.120	22.420

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
43	37-48-17.5 N	085-51-07.8 W	256.0	83.8	1205260

Address: Prather, 7891 Shepardsville Road

City: Elizabethtown County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	153.800	166.100	158.500	104.800	75.900	78.100	103.200	115.400
Transmitting ERP (watts)	11.750	66.270	98.050	32.810	3.770	0.260	0.320	0.470

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	153.800	166.100	158.500	104.800	75.900	78.100	103.200	115.400
Transmitting ERP (watts)	0.240	0.240	0.270	16.050	108.530	50.760	2.790	0.240

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	153.800	166.100	158.500	104.800	75.900	78.100	103.200	115.400
Transmitting ERP (watts)	6.320	0.360	0.260	0.340	6.770	32.190	47.920	30.790

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
44	37-25-41.0 N	085-39-31.8 W	292.9	77.7	1262106

Address: Green North, 788 Sand Ridge Road

City: Magnolia County: LARUE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	96.800	115.600	118.800	142.400	144.600	148.100	117.600	121.300
Transmitting ERP (watts)	117.640	52.550	6.320	0.320	0.260	0.310	6.770	55.020

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	96.800	115.600	118.800	142.400	144.600	148.100	117.600	121.300
Transmitting ERP (watts)	0.700	13.920	51.730	61.900	22.820	2.940	0.260	0.330

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	96.800	115.600	118.800	142.400	144.600	148.100	117.600	121.300
Transmitting ERP (watts)	1.160	0.260	0.340	2.450	24.450	61.900	51.730	12.400

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
45	37-45-49.2 N	085-47-28.0 W	212.1	83.8	1211565

Address: I-65 Rock Cut, 781 Casey Lane

City: Elizabethtown County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.600	106.500	109.000	29.900	29.900	33.000	29.900	51.700
Transmitting ERP (watts)	79.530	148.100	55.020	6.170	0.330	0.350	0.440	11.500

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.600	106.500	109.000	29.900	29.900	33.000	29.900	51.700
Transmitting ERP (watts)	0.480	0.550	6.200	69.530	205.190	132.480	19.600	1.320

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.600	106.500	109.000	29.900	29.900	33.000	29.900	51.700
Transmitting ERP (watts)	10.850	0.420	0.310	0.310	0.310	5.700	98.990	111.060

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
46	37-31-11.6 N	085-52-28.2 W	243.8	37.0	

Address: Sonora DT-WT, Water Tank, 2.0 km southeast of

City: Sonora County: LARUE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	55.900	52.800	41.400	29.900	40.900	56.000	65.000	62.700
Transmitting ERP (watts)	148.100	66.150	7.950	0.410	0.330	0.390	8.520	69.270

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	55.900	52.800	41.400	29.900	40.900	56.000	65.000	62.700
Transmitting ERP (watts)	0.800	19.520	104.850	135.070	36.350	3.470	0.330	0.380

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	55.900	52.800	41.400	29.900	40.900	56.000	65.000	62.700
Transmitting ERP (watts)	1.320	0.200	0.390	2.890	38.950	135.070	104.850	17.400

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
47	37-29-39.8 N	085-11-34.3 W	223.7	77.7	1276116

Address: Bradfordsville, 725 Settles Road

City: Lebanon County: MARION State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	33.000	29.900	86.600	58.500
Transmitting ERP (watts)	18.240	82.650	124.610	82.100	13.580	1.250	0.280	2.730

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	33.000	29.900	86.600	58.500
Transmitting ERP (watts)	0.450	0.620	5.460	32.920	114.480	130.660	49.070	6.770

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	33.000	29.900	86.600	58.500
Transmitting ERP (watts)	112.910	27.380	2.950	0.270	1.500	8.200	53.810	130.660

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
48	37-19-48.0 N	085-32-44.0 W	246.9	48.5	

Address: Summersville WT, Water Tank in the Town of

City: Summersville County: GREEN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	41.400	67.100	64.900	91.900	88.100	93.500	88.200	56.700
Transmitting ERP (watts)	92.740	139.820	92.120	15.240	1.400	0.310	3.060	20.470

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	41.400	67.100	64.900	91.900	88.100	93.500	88.200	56.700
Transmitting ERP (watts)	1.010	6.140	44.740	137.360	142.220	45.580	5.530	0.370

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	41.400	67.100	64.900	91.900	88.100	93.500	88.200	56.700
Transmitting ERP (watts)	37.900	4.240	0.300	1.440	6.390	52.450	143.540	135.170

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File Number: 0009262187

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
49	37-48-34.0 N	085-34-51.6 W	177.7	85.3	1269851

Address: Bardstown West, 6656 Boston Road

City: Bardstown County: NELSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	54.100	54.900	68.000	76.100	91.500	91.500	107.900	77.100
Transmitting ERP (watts)	9.020	56.820	102.510	39.980	4.940	0.260	0.300	0.370

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	54.100	54.900	68.000	76.100	91.500	91.500	107.900	77.100
Transmitting ERP (watts)	0.240	0.550	1.400	11.850	11.560	11.830	2.780	0.960

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	54.100	54.900	68.000	76.100	91.500	91.500	107.900	77.100
Transmitting ERP (watts)	3.720	0.260	0.290	0.450	12.040	74.220	112.340	35.530

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
50	37-38-16.1 N	085-49-41.4 W	254.5	80.8	1205593

Address: Lincoln Parkway, Site LV0115 @ 342 Fultz Road

City: Elizabethtown County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.500	105.200	68.900	96.400	103.300	107.000	113.200	94.800
Transmitting ERP (watts)	41.260	113.640	22.670	0.880	0.240	0.240	0.240	1.010

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.500	105.200	68.900	96.400	103.300	107.000	113.200	94.800
Transmitting ERP (watts)	0.240	0.270	16.050	108.530	50.760	2.790	0.240	0.240

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.500	105.200	68.900	96.400	103.300	107.000	113.200	94.800
Transmitting ERP (watts)	16.430	0.680	0.240	0.240	0.240	0.920	31.300	80.450

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
51	37-35-28.7 N	085-14-56.6 W	262.4	60.7	1267688

Address: Lebanon Downtown, 645 Henrickson Drive (9LV1141G)

City: Lebanon County: MARION State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	85.500	58.600	49.200	58.400	73.300	87.100	102.000	96.000
Transmitting ERP (watts)	16.490	101.100	154.470	48.010	4.830	0.330	0.380	0.600

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	85.500	58.600	49.200	58.400	73.300	87.100	102.000	96.000
Transmitting ERP (watts)	0.330	0.430	2.050	33.870	137.170	124.840	23.380	1.910

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	85.500	58.600	49.200	58.400	73.300	87.100	102.000	96.000
Transmitting ERP (watts)	83.920	10.870	0.630	0.330	0.410	6.840	63.420	162.090

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
52	37-35-51.0 N	085-40-04.0 W	271.6	91.1	1063508

Address: Lincoln Home, in the city of

City: WHITE CITY County: LARUE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	144.400	169.100	139.400	136.700	88.200	113.600	120.600	89.700
Transmitting ERP (watts)	20.920	81.390	73.540	16.350	1.210	0.260	0.310	1.880

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	144.400	169.100	139.400	136.700	88.200	113.600	120.600	89.700
Transmitting ERP (watts)	0.270	0.730	8.180	47.900	88.020	46.810	7.270	0.520

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	144.400	169.100	139.400	136.700	88.200	113.600	120.600	89.700
Transmitting ERP (watts)	35.530	3.720	0.260	0.290	0.450	12.040	74.220	112.340

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
53	37-20-53.0 N	085-20-42.0 W	267.0	59.1	1242907

Address: Campbellsville III, 701 Melrose Drive (KY13176-A)

City: Campbellsville County: TAYLOR State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	41.100	29.900	56.700	60.100	72.800	97.700	92.400	57.700
Transmitting ERP (watts)	22.480	38.430	28.830	7.290	0.670	0.300	0.340	4.090

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	41.100	29.900	56.700	60.100	72.800	97.700	92.400	57.700
Transmitting ERP (watts)	0.520	0.340	0.690	10.410	69.430	139.820	62.740	8.250

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	41.100	29.900	56.700	60.100	72.800	97.700	92.400	57.700
Transmitting ERP (watts)	23.540	4.810	0.340	0.320	0.430	6.960	27.560	39.320

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
54	37-38-13.0 N	085-24-00.0 W	243.8	38.0	

Address: Loretto WT, Water Tank in the Town of

City: Loretto County: MARION State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.400	43.600	34.100	44.800	61.400	57.000	103.700	70.400
Transmitting ERP (watts)	167.010	161.160	30.530	3.300	0.410	9.640	46.850	175.890

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.400	43.600	34.100	44.800	61.400	57.000	103.700	70.400
Transmitting ERP (watts)	0.980	23.880	127.520	165.220	42.710	4.010	0.370	0.460

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.400	43.600	34.100	44.800	61.400	57.000	103.700	70.400
Transmitting ERP (watts)	1.520	0.370	0.480	3.570	47.930	165.220	127.520	20.330

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
55	37-42-47.1 N	085-27-56.7 W	218.2	88.4	1259400

Address: Pine Lick Knob, 11 km south of

City: Bardstown County: NELSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	100.000	80.800	74.900	78.700	81.800	129.800	115.700	119.200
Transmitting ERP (watts)	100.120	93.440	17.800	1.480	0.260	0.310	1.480	24.580

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	100.000	80.800	74.900	78.700	81.800	129.800	115.700	119.200
Transmitting ERP (watts)	4.660	26.300	113.020	128.080	126.490	27.090	2.180	0.290

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	100.000	80.800	74.900	78.700	81.800	129.800	115.700	119.200
Transmitting ERP (watts)	3.720	0.260	0.290	0.450	12.040	74.220	112.340	35.530

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
56	37-34-02.3 N	085-43-47.1 W	232.9	42.1	

Address: Hodgenville Downtown, Water Tank, 1.2 km SE of

City: Hodgenville County: LARUE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	46.500	41.400	29.900	29.900	34.000	60.400	31.100
Transmitting ERP (watts)	139.820	92.120	15.240	1.400	0.310	3.060	20.470	92.740

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	46.500	41.400	29.900	29.900	34.000	60.400	31.100
Transmitting ERP (watts)	6.130	36.940	128.460	146.610	55.060	7.600	0.510	0.690

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	46.500	41.400	29.900	29.900	34.000	60.400	31.100
Transmitting ERP (watts)	3.310	0.300	1.690	9.200	60.380	146.610	126.700	30.720

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
57	37-49-14.0 N	085-25-28.0 W	220.1	110.4	1042220

Address: Bardstown East, 0.4 MI South of US 62, 2.4 MI (3.8 km) ENE of

City: BARDSTOWN County: NELSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.700	62.900	69.600	64.300	92.200	105.300	97.800	75.500
Transmitting ERP (watts)	7.170	90.270	75.080	5.830	0.270	0.240	0.240	0.240

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.700	62.900	69.600	64.300	92.200	105.300	97.800	75.500
Transmitting ERP (watts)	0.240	0.240	4.520	78.620	88.210	8.620	0.340	0.240

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.700	62.900	69.600	64.300	92.200	105.300	97.800	75.500
Transmitting ERP (watts)	0.260	0.240	0.240	0.240	2.490	56.960	88.210	10.850

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
58	37-41-03.7 N	085-51-36.8 W	240.8	64.0	1200367

Address: Elizabethtown Downtown, 1515 Fisher Ridge Rd

City: Elizabethtown County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	44.200	72.100	29.900	53.800	66.500	84.300	59.700	55.700
Transmitting ERP (watts)	103.650	30.190	1.570	0.310	0.310	0.310	0.790	31.570

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	44.200	72.100	29.900	53.800	66.500	84.300	59.700	55.700
Transmitting ERP (watts)	0.310	3.760	84.830	126.930	15.260	0.600	0.310	0.310

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	44.200	72.100	29.900	53.800	66.500	84.300	59.700	55.700
Transmitting ERP (watts)	0.330	0.310	0.310	0.310	13.670	120.870	74.970	4.960

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File Number: 0009262187

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
59	37-42-30.7 N	085-57-36.0 W	252.7	44.5	1256880

Address: Elizabethtown West, 531 Thomas Lane

City: Elizabethtown County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	68.700	52.800	62.300	71.000	84.900	63.200	73.400	53.000
Transmitting ERP (watts)	166.170	73.380	8.520	0.430	0.330	0.480	9.780	78.620

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	68.700	52.800	62.300	71.000	84.900	63.200	73.400	53.000
Transmitting ERP (watts)	0.910	22.500	119.470	150.960	39.250	3.620	0.330	0.440

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	68.700	52.800	62.300	71.000	84.900	63.200	73.400	53.000
Transmitting ERP (watts)	1.370	0.330	0.480	3.300	44.040	150.960	116.750	18.720

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
60	37-47-54.1 N	085-54-40.5 W	260.0	51.8	

Address: Longview, 11 km NNW of

City: Elizabethtown County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	128.000	127.700	103.000	59.100	70.600	65.800	76.600	101.300
Transmitting ERP (watts)	30.020	118.460	146.650	67.150	10.130	0.720	0.520	5.460

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	128.000	127.700	103.000	59.100	70.600	65.800	76.600	101.300
Transmitting ERP (watts)	0.300	1.440	6.390	52.450	143.540	135.170	37.900	4.240

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	128.000	127.700	103.000	59.100	70.600	65.800	76.600	101.300
Transmitting ERP (watts)	104.590	19.280	1.710	0.300	1.930	15.990	80.200	144.040

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
61	37-39-21.4 N	085-30-55.0 W	174.3	88.4	1278910

Address: New Hope, 4808 New Hope Road

City: New Haven County: NELSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	76.600	63.900	60.000	50.400	57.100	62.100	51.900	91.000
Transmitting ERP (watts)	130.990	103.880	21.640	2.140	0.270	1.490	11.530	61.810

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	76.600	63.900	60.000	50.400	57.100	62.100	51.900	91.000
Transmitting ERP (watts)	3.940	22.290	94.500	128.360	70.660	11.140	0.890	0.350

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	76.600	63.900	60.000	50.400	57.100	62.100	51.900	91.000
Transmitting ERP (watts)	4.930	0.330	0.900	5.470	39.870	122.420	126.750	40.620

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
62	37-39-14.7 N	085-07-57.5 W	254.5	33.5	

Address: Washington East, 8.5 km southeast of

City: Springfield County: WASHINGTON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.800	29.900	29.900	29.900	29.900	29.900	36.700	48.800
Transmitting ERP (watts)	21.910	117.640	151.550	40.790	3.900	0.370	0.430	0.890

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.800	29.900	29.900	29.900	29.900	29.900	36.700	48.800
Transmitting ERP (watts)	0.370	0.420	6.930	64.650	166.170	89.240	11.760	0.690

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.800	29.900	29.900	29.900	29.900	29.900	36.700	48.800
Transmitting ERP (watts)	50.180	5.250	0.370	0.410	0.630	17.000	104.850	158.690

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
63	37-47-04.8 N	085-10-14.2 W	245.1	33.5	

Address: Washington North, 12.0 km northeast of

City: Springfield County: WASHINGTON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	47.200	35.000	34.500	29.900	33.500	50.700	69.700	58.500
Transmitting ERP (watts)	141.440	132.000	25.150	2.090	0.370	0.440	2.090	34.720

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	47.200	35.000	34.500	29.900	33.500	50.700	69.700	58.500
Transmitting ERP (watts)	0.420	6.930	64.650	166.170	89.240	11.760	0.690	0.370

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	47.200	35.000	34.500	29.900	33.500	50.700	69.700	58.500
Transmitting ERP (watts)	5.250	0.370	0.410	0.630	17.000	104.850	158.690	50.180

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
64	37-42-23.0 N	085-52-36.0 W	239.9	33.2	1025387

Address: Helmwood Drive Water Tower, Helmwood Drive at Cherry Wood Drive

City: Elizabethtown County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	40.300	65.400	42.200	29.900	46.600	53.000	30.600	35.900
Transmitting ERP (watts)	13.660	127.520	78.630	5.190	0.310	0.310	0.310	0.310

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	40.300	65.400	42.200	29.900	46.600	53.000	30.600	35.900
Transmitting ERP (watts)	0.310	0.310	0.790	40.320	146.410	38.510	1.570	0.310

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	40.300	65.400	42.200	29.900	46.600	53.000	30.600	35.900
Transmitting ERP (watts)	15.330	0.570	0.310	0.310	0.310	3.510	82.330	124.620

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009262187

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
65	37-43-04.0 N	085-42-31.0 W	254.2	126.4	1019052

Address: Hardin-Nelson, 14.5 km east of

City: Elizabethtown County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	216.800	209.000	200.700	168.500	111.200	117.900	144.800	168.700
Transmitting ERP (watts)	65.140	85.560	23.840	2.300	0.240	0.240	0.510	11.990

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	216.800	209.000	200.700	168.500	111.200	117.900	144.800	168.700
Transmitting ERP (watts)	0.260	1.750	24.390	85.560	66.660	11.450	0.880	0.240

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	216.800	209.000	200.700	168.500	111.200	117.900	144.800	168.700
Transmitting ERP (watts)	6.620	0.520	0.240	0.240	1.700	19.410	58.280	39.630

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
66	37-54-01.0 N	085-55-33.5 W	209.1	47.0	

Address: Fort Knox III, Water tank in the town of

City: Fort Knox County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.100	62.400	67.400	48.800	29.900	39.300	38.000	61.100
Transmitting ERP (watts)	51.750	146.700	115.170	23.010	1.860	0.300	1.820	7.840

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.100	62.400	67.400	48.800	29.900	39.300	38.000	61.100
Transmitting ERP (watts)	0.350	3.430	22.970	104.060	156.880	103.360	17.100	1.570

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.100	62.400	67.400	48.800	29.900	39.300	38.000	61.100
Transmitting ERP (watts)	61.780	8.520	0.570	0.770	6.870	41.440	144.130	164.500

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009262187

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
67	37-11-29.0 N	085-36-08.2 W	241.4	32.5	

Address: Pierce, 236 Pierce Donansburg Road

City: Greensburg County: GREEN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	66.900	68.100	54.800	29.900	50.100	32.900	61.800	73.100
Transmitting ERP (watts)	53.170	167.440	149.780	35.670	3.490	0.400	0.370	3.630

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	66.900	68.100	54.800	29.900	50.100	32.900	61.800	73.100
Transmitting ERP (watts)	0.370	0.580	10.680	91.000	179.990	107.410	15.880	1.740

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	66.900	68.100	54.800	29.900	50.100	32.900	61.800	73.100
Transmitting ERP (watts)	66.780	7.180	0.870	0.370	1.470	25.900	132.880	177.360

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
68	37-46-43.0 N	085-51-42.0 W	269.4	91.1	1065018

Address: Battle Training Road, 7.3 km west of

City: COLESBURG County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	147.400	186.900	168.800	108.800	108.200	105.100	120.100	131.500
Transmitting ERP (watts)	2.100	57.790	119.330	18.800	0.690	0.260	0.260	0.260

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	147.400	186.900	168.800	108.800	108.200	105.100	120.100	131.500
Transmitting ERP (watts)	0.260	0.260	3.460	71.650	109.990	13.420	0.540	0.260

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	147.400	186.900	168.800	108.800	108.200	105.100	120.100	131.500
Transmitting ERP (watts)	13.420	0.540	0.260	0.260	0.260	3.460	71.650	109.990

Control Points:

Control Pt. No. 1

Address: 216-W LINCOLN TRAIL

City: RADCLIFF County: State: KY Telephone Number:

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009262187

Print Date:

Waivers/Conditions:

NONE

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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WQCS429	File Number 0010160221
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 04-23-2015	Effective Date 09-23-2022	Expiration Date 05-13-2025	Print Date 02-15-2023
Market Number BTA263	Channel Block C	Sub-Market Designator 5	
Market Name Louisville, KY			
1st Build-out Date 05-13-2010	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQCS429

File Number: 0010160221

Print Date: 02-15-2023

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Table with Call Sign (WQGA718), File Number (0009793647), and Radio Service (AW - AWS (1710-1755 MHz and 2110-2155 MHz))

FCC Registration Number (FRN): 0003290673

Table with columns: Grant Date, Effective Date, Expiration Date, Print Date, Market Number, Channel Block, Sub-Market Designator, Market Name, 1st Build-out Date, 2nd Build-out Date, 3rd Build-out Date, 4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS).

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQGA718

File Number: 0009793647

Print Date: 02-23-2022

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Table with Call Sign (WQGA940), File Number (0009774996), and Radio Service (AW - AWS (1710-1755 MHz and 2110-2155 MHz))

FCC Registration Number (FRN): 0003290673

Table with columns: Grant Date, Effective Date, Expiration Date, Print Date, Market Number, Channel Block, Sub-Market Designator, Market Name, 1st Build-out Date, 2nd Build-out Date, 3rd Build-out Date, 4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS).

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQGA940

File Number: 0009774996

Print Date: 12-21-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Table with Call Sign (WQJQ692), File Number, and Radio Service (WU - 700 MHz Upper Band (Block C)).

FCC Registration Number (FRN): 0003290673

Table with columns: Grant Date, Effective Date, Expiration Date, Print Date, Market Number, Channel Block, Sub-Market Designator, Market Name, 1st Build-out Date, 2nd Build-out Date, 3rd Build-out Date, 4th Build-out Date.

Waivers/Conditions:

If the facilities authorized herein are used to provide broadcast operations, whether exclusively or in combination with other services, the licensee must seek renewal of the license either within eight years from the commencement of the broadcast service or within the term of the license had the broadcast service not been provided, whichever period is shorter in length. See 47 CFR §27.13(b).

This authorization is conditioned upon compliance with section 27.16 of the Commission's rules

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS).

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQJQ692

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRAM732	File Number 0009262182
Radio Service WT - 600 MHz Band	

FCC Registration Number (FRN): 0003290673

Grant Date 01-09-2018	Effective Date 01-13-2021	Expiration Date 01-09-2030	Print Date 03-11-2021
Market Number PEA096	Channel Block A	Sub-Market Designator 1	
Market Name Richmond, KY			
1st Build-out Date 01-09-2024	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRAM732

File Number: 0009262182

Print Date: 03-11-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Table with Call Sign (WRAY793), File Number, and Radio Service (UU - Upper Microwave Flexible Use Service).

FCC Registration Number (FRN): 0003290673

Table with columns: Grant Date, Effective Date, Expiration Date, Print Date, Market Number, Channel Block, Sub-Market Designator, Market Name, 1st Build-out Date, 2nd Build-out Date, 3rd Build-out Date, 4th Build-out Date.

Waivers/Conditions:

Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS).

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRAY793

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Table with Call Sign (WRAY794), File Number, and Radio Service (UU - Upper Microwave Flexible Use Service).

FCC Registration Number (FRN): 0003290673

Table with columns: Grant Date, Effective Date, Expiration Date, Print Date, Market Number, Channel Block, Sub-Market Designator, Market Name, 1st Build-out Date, 2nd Build-out Date, 3rd Build-out Date, 4th Build-out Date.

Waivers/Conditions:

Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein.

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Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRAY794

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Call Sign WREV443	File Number 0009262182
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0003290673

Grant Date 12-11-2019	Effective Date 01-13-2021	Expiration Date 12-11-2029	Print Date 03-11-2021
Market Number PEA096	Channel Block A	Sub-Market Designator 3	
Market Name Richmond, KY			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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Licensee Name: CELLCO PARTNERSHIP

Call Sign: WREV443

File Number: 0009262182

Print Date: 03-11-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Call Sign WREV444	File Number 0009262182
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0003290673

Grant Date 12-11-2019	Effective Date 01-13-2021	Expiration Date 12-11-2029	Print Date 03-11-2021
Market Number PEA096	Channel Block B	Sub-Market Designator 1	
Market Name Richmond, KY			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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Licensee Name: CELLCO PARTNERSHIP

Call Sign: WREV444

File Number: 0009262182

Print Date: 03-11-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRHE833	File Number 0010283156
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0003290673

Grant Date 06-04-2020	Effective Date 11-18-2022	Expiration Date 06-04-2030	Print Date 03-15-2023
Market Number PEA096	Channel Block M1	Sub-Market Designator 0	
Market Name Richmond, KY			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRHE833

File Number: 0010283156

Print Date: 03-15-2023

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Reference Copy

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Table with Call Sign (WRNF549), File Number, and Radio Service (PM - 3.7 GHz Service).

FCC Registration Number (FRN): 0003290673

Table with columns: Grant Date, Effective Date, Expiration Date, Print Date, Market Number, Channel Block, Sub-Market Designator, Market Name, 1st Build-out Date, 2nd Build-out Date, 3rd Build-out Date, 4th Build-out Date.

Waivers/Conditions:

This final license provides authorization during the full 15-year license term. Operation under this final license may begin on the earlier of (1) 12/5/2025 or (2) the date that the certification for accelerated relocation for this PEA is validated by the FCC pursuant to 47 CFR § 27.1412(g).

License is conditioned on compliance with all applicable FCC rules and regulations, including licensee making payments required by 47 C.F.R. §§ 27.1401- 27.1424 as described in FCC 20-22. See FCC 20-22, paras. 178-331.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS).

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRNF549

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Reference Copy

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Table with Call Sign (WRNF554), File Number, and Radio Service (PM - 3.7 GHz Service).

FCC Registration Number (FRN): 0003290673

Table with columns: Grant Date, Effective Date, Expiration Date, Print Date, Market Number, Channel Block, Sub-Market Designator, Market Name, 1st Build-out Date, 2nd Build-out Date, 3rd Build-out Date, 4th Build-out Date.

Waivers/Conditions:

This final license provides authorization during the full 15-year license term. Operation under this final license may begin on the earlier of (1) 12/5/2025 or (2) the date that the certification for accelerated relocation for this PEA is validated by the FCC pursuant to 47 CFR § 27.1412(g).

License is conditioned on compliance with all applicable FCC rules and regulations, including licensee making payments required by 47 C.F.R. §§ 27.1401- 27.1424 as described in FCC 20-22. See FCC 20-22, paras. 178-331.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS).

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRNF554

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
---------------	--------------------	--------------------------	------------------------------	---------------

Reference Copy

REFERENCE COPY

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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRWD815	File Number
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 09-23-2022	Effective Date 09-23-2022	Expiration Date 09-06-2025	Print Date
Market Number BTA263	Channel Block C	Sub-Market Designator 8	
Market Name Louisville, KY			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRWD815

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Report
Reference
Copy

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Table with Call Sign (WRWF637), File Number (0010170298), and Radio Service (AW - AWS (1710-1755 MHz and 2110-2155 MHz))

FCC Registration Number (FRN): 0003290673

Table with columns: Grant Date, Effective Date, Expiration Date, Print Date, Market Number, Channel Block, Sub-Market Designator, Market Name, 1st Build-out Date, 2nd Build-out Date, 3rd Build-out Date, 4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations.

Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS).

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRWF637

File Number: 0010170298

Print Date: 02-16-2023

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Reference Copy

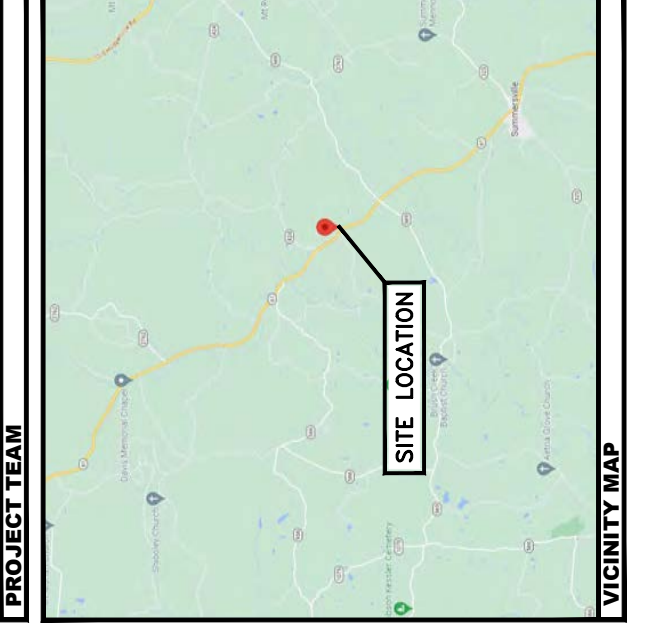


WhiteRock
HOLDINGS LLC

604 FOX GLEN
BARRINGTON, IL 60010
PHONE: 847-277-0070
EMAIL: INFO@WHITEROCKHOLDINGSLLC.COM

**NEW 255'-0" SELF-SUPPORT TOWER
w/5'-0" LIGHTNING ROD
TOTAL TOWER HEIGHT 260'-0"**

TOWER OWNER SITE GREEN COUNTY SHERIFF 203 W COURT ST, #3 GREENSBURG, KY 42743 PHONE: (270) 932-5641	POLICE GREEN COUNTY SHERIFF 203 W COURT ST, #3 GREENSBURG, KY 42743 PHONE: (270) 932-5641
VERIZON WIRELESS SITE SITE NAME: ALLENDALE PROJECT#: WS-000151 MARKET ID: TBD MDG#: TBD	FIRE SUMMERSVILLE FIRE DEPT. 6280 HODGENVILLE RD SUMMERSVILLE, KY 42782 PHONE: (270) 932-3411
SITE ADDRESS 8820 HODGENVILLE RD SUMMERSVILLE, KY 42782 GREEN COUNTY E911 ADDRESS:TBD	GENERAL INFORMATION LATITUDE: 37° 22' 14.258" N (37.37063°) LONGITUDE: 85° 34' 53.954" W (-85.58166°) 1983 (NAD83)
TOWER OWNER WHITEROCK HOLDINGS LLC. 604 FOX GLEN BARRINGTON, IL 60010 CONTACT NAME: PHONE: 847-277-0070 EMAIL: INFO@WHITEROCKHOLDINGSLLC.COM	ELEVATION: 819.8' 1988 (NAVD88)
PROPERTY OWNER CREASON FAMILY IRR TRUST % KATHY CHASE 8820 HODGENVILLE RD SUMMERSVILLE, KY 42782 CONTACT NAME: RANDEL CREASON PHONE: (270) 299-1014 EMAIL: TBD	TOWER OWNER LEASE AREA 100'-0"x100'-0" (10,000 SF)
	VERIZON WIRELESS LEASE AREA 12'-0"x30'-0" (360 SF)
	PROJECT TOTAL DISTURBED AREA COMPOUND: (5,625 SF) = (0.129 ACRE) ACCESS DRIVE: (6000 SF) = (0.00 ACRE) GROSS AREA: (6000 SF) = (0.00 ACRE)



PROJECT DESCRIPTION:
NOTE: ALL ITEMS WITHIN THIS CONSTRUCTION DOCUMENTS ARE BY TOWER OWNER'S GENERAL CONTRACTOR AND THEIR SUB-CONTRACTORS UNLESS NOTED AS (VZM GC) WHICH SHALL INCLUDE VERIZON WIRELESS GENERAL CONTRACTOR AND THEIR SUB-CONTRACTORS. GENERALLY DESCRIBED BELOW:

ETS COMPANY SCOPE

- INSTALL A NEW 255'-0" SELF-SUPPORT TOWER w/CABLE SUPPORT AND FOUNDATION
- PURCHASE AND DELIVERY TO SITE OF VERIZON WIRELESS ANTENNA MOUNTING FRAME ASSEMBLY
- INSTALL A NEW FENCED GRAVEL COMPOUND AND ALL GENERAL SITE CONSTRUCTION ITEMS
- INSTALL A NEW ELECTRICAL SERVICE RUN TO NEW UTILITY H-FRAME
- INSTALL A NEW GRAVEL ACCESS DRIVE
- INSTALL NEW WIRELESS COMMUNICATIONS SYSTEM
- INSTALL NEW VZW SUBSURFACE CROSSLING SYSTEM
- INSTALL NEW CONCRETE EQUIPMENT AND GENERATORS PADS
- INSTALL NEW VZW ICE BRIDGE AND FOUNDATIONS
- INSTALL ELECTRICAL SERVICE CONDUIT WITH PULL TAPES FROM VZW ILC STUB-UP LOCATION TO THE GENERATOR STUB-UP AT VZW EQUIPMENT PAD
- INSTALL (1) NEW (FUTURE USE) FIBER OPTIC CONDUIT w/PULL TAPE AND TRACER WIRE FROM UTILITY H-FRAME TO 24"x36" HANDHOLE AT ROW
- VERIZON WIRELESS ONLY CONDUIT AND HANDHOLE SHALL BE LABELED AS VERIZON WIRELESS ONLY**
- PERMANENT ELECTRIC POWER MUST BE AVAILABLE FOR VERIZON WIRELESS AT THE WEILER BASE PRIOR TO THE SITE BEING RELEASE AS TENANT READY

VERIZON WIRELESS SCOPE (VZW GC):

- INSTALL A NEW PREFABRICATED CANOPY OVER EXISTING CONCRETE PAD
- INSTALL WIRELESS CABINETS, EASING CONCRETE PAPER
- INSTALL VZW ANTENNAS, COAX, HYBRID(S), GPS ANTENNA AND RADIO EQUIPMENT
- CONNECT EXISTING SUBSURFACE GROUND LEADS TO VZW EQUIPMENT & FACILITIES ENCLOSURE
- INSTALL VZW ELECTRIC SERVICE CONDUCTORS FROM UTILITY H-FRAME TO VZW ILC ENCLOSURE
- INSTALL VZW GENERATOR CIRCUITS FROM VZW ILC & EQUIPMENT ENCLOSURES TO VZW GENERATOR
- INSTALL NEW CONDUITS AND CIRCUITS FROM VZW ILC ENCLOSURE TO EQUIPMENT ENCLOSURES AT VZW EQUIPMENT PAD
- INSTALL NEW OUTDOOR OVP(S) AND CABLING ON VERIZON EQUIPMENT H-FRAME

PROJECT DESCRIPTION



ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE (IBC) AND THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

BUILDING CODE: 2018 KENTUCKY BUILDING CODE
STRUCTURAL CODE: TIA/EIA-222 - REVISION G
MECHANICAL CODE: 2015 KENTUCKY MECHANICAL CODE
PLUMBING CODE: KENTUCKY STATE PLUMBING CODE
ELECTRICAL CODE: 2017 KENTUCKY ELECTRICAL CODE (NEC) - NFPA 70
FIRE CODE: 2018 KENTUCKY FIRE CODE (2018 NFPA 1)

ACCESSIBILITY REQUIREMENTS:
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. BARRIER FREE ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH KENTUCKY (IBC) BUILDING CODE.

APPLICABLE CODES

SURVEYOR
MIDWESTERN CONSULTING
3815 PLAZA DRIVE
ANN ARBOR, MI 48108
PHONE: 734-995-0200

A & E FIRM
WESTCHESTER SERVICES LLC
604 FOX GLEN
BARRINGTON, IL 60010
PHONE: 847-277-0070
EMAIL: AE@westchesterservices.com

ARCHITECTURAL
JOHN M. BANKS
604 FOX GLEN
BARRINGTON, IL 60010
PHONE: 847-277-0070
EMAIL: JBanks@westchesterservices.com

ELECTRICAL
TAYLOR COUNTY R.E.C.C.
825 W MAIN ST
CAMPBELLSVILLE, KY 42718
PHONE: (270) 465-4101

ELECTRICAL UTILITY COORDINATION IS NOT FINALIZED. DO NOT PROCEED WITH CONSTRUCTION.

CONSULTANT TEAM

SHEET NUMBER	DESCRIPTION
T-1	PROJECT INFORMATION, SITE MAPS, SHEET INDEX SURVEY PLAN
B-1	500' RADIUS & ABUTTERS MAP

TOWER ELEVATION	DESCRIPTION
TE-1	TOWER ELEVATION
C-0	TOWER GRID MAP
C-1	OVERALL SITE PLAN w/AERIAL OVERLAY
C-1A	OVERALL SITE PLAN w/PLATFORM DISTANCE TO PROPERTY LINES
C-1B	TOWER DISTANCE TO RESIDENTIAL STRUCTURES
C-3	DETAILED SITE PLAN
C-4	DIMENSIONED SITE PLAN



WhiteRock
HOLDINGS LLC

604 FOX GLEN
BARRINGTON, IL 60010
PHONE: 847-277-0070
EMAIL:
INFO@WHITEROCKHOLDINGSLLC.COM

604 FOX GLEN
BARRINGTON, IL 60010
PHONE: 847-277-0070
EMAIL:
INFO@WHITEROCKHOLDINGSLLC.COM

**JOHN M. BANKS
ARCHITECT**
604 FOX GLEN
BARRINGTON, IL 60010
PHONE: 847-277-0070
FAX: 847-277-0080
EMAIL: JBANKS@WESTCHESTERSERVICES.COM



**WESTCHESTER
SERVICES LLC**

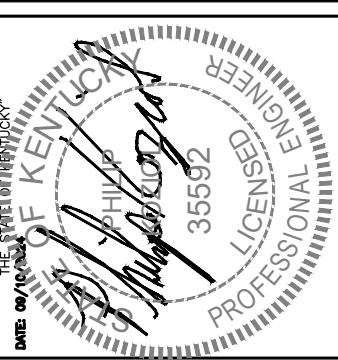
604 FOX GLEN
BARRINGTON, IL 60010
PHONE: 847-277-0070
EMAIL:
AE@westchesterservices.com
KY Firm No. 51330

DRAWN BY:	CG
CHECKED BY:	ST

REV	DATE	DESCRIPTION
A	02/08/2024	ISSUED FOR ZONING
B	04/10/2024	ISSUED FOR ZONING
0	09/10/2024	ISSUED FOR ZONING

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF KENTUCKY

DATE: 09/10/2024



EXPIRATION DATE: 09/30/2025

SITE # WS-000151

SITE NAME:
ALLENDALE

SITE ADDRESS:
8820 HODGENVILLE RD
SUMMERSVILLE, KY 42782

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T1

WhiteRock
HOLDINGS LLC

604 FOX GLEN
BARRINGTON, IL 60010
PHONE: 847-277-0070
EMAIL:
INFO@WHITEROCKHOLDINGSLLC.COM

JOHN M. BANKS
ARCHITECT

604 FOX GLEN
BARRINGTON, IL 60010
TELEPHONE: 847-277-0070
FAX: 847-277-0080
EMAIL: JBANKS@WESTCHESTERSERVICES.COM

WESTCHESTER
SERVICES LLC

604 FOX GLEN
BARRINGTON, IL 60010
PHONE: 847-277-0070
EMAIL: AE@westchesterservices.com
KY Firm No. 5130

DRAWN BY: CG
CHECKED BY: ST

REV	DATE	DESCRIPTION
A	02/08/2024	ISSUED FOR ZONING
B	04/10/2024	ISSUED FOR ZONING
0	09/10/2024	ISSUED FOR ZONING

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF KENTUCKY

DATE: 09/10/2024

35592

PROFESSIONAL ENGINEER

EXPIRATION DATE: 09/30/2025

SITE # WS-000151

SITE NAME:
ALLEDALE

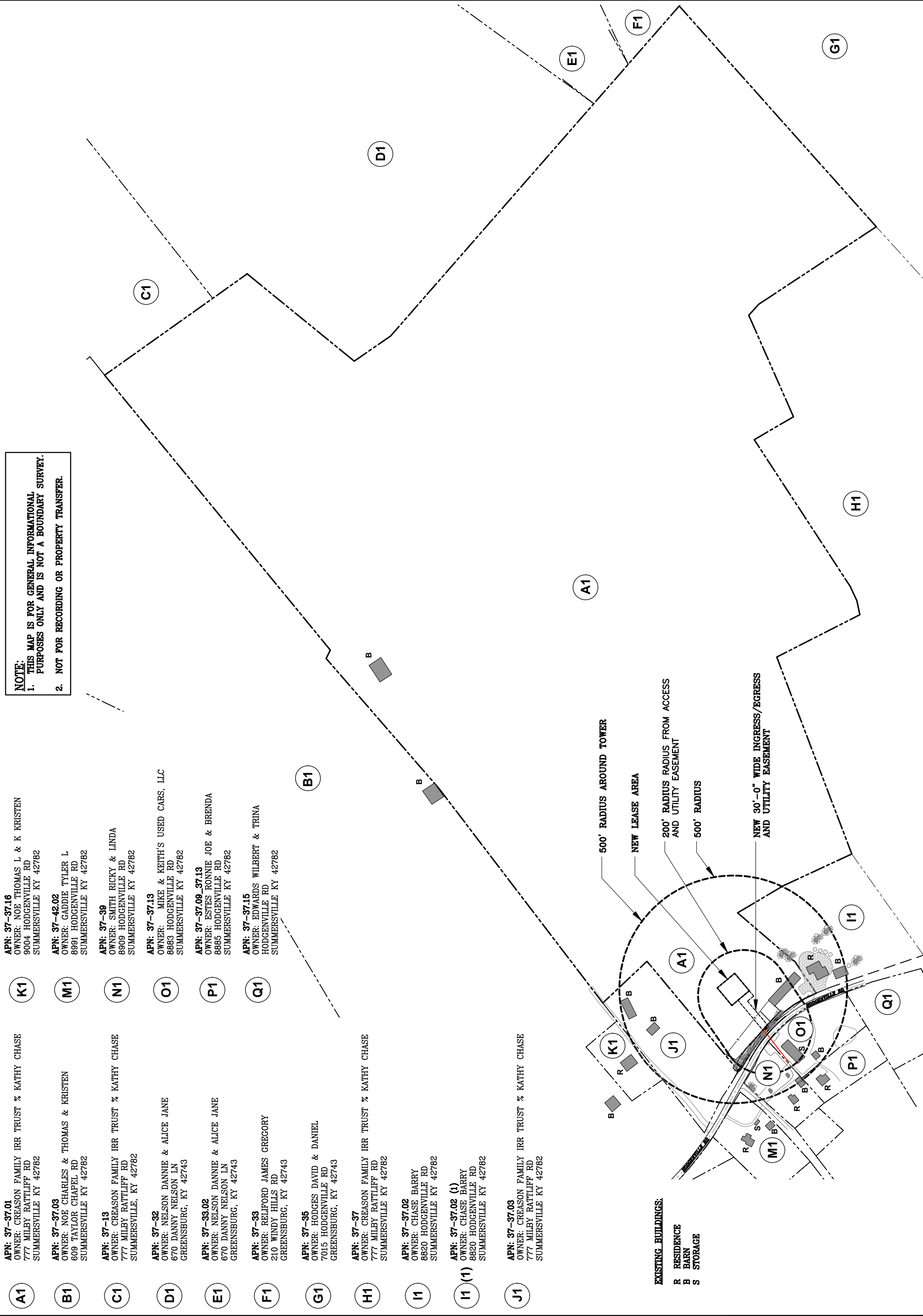
SITE ADDRESS:
8820 HODGENVILLE RD
SUMMERSVILLE, KY 42782

SHEET TITLE
500' RADIUS &
ABUTTERS MAP

SHEET NUMBER
B-1

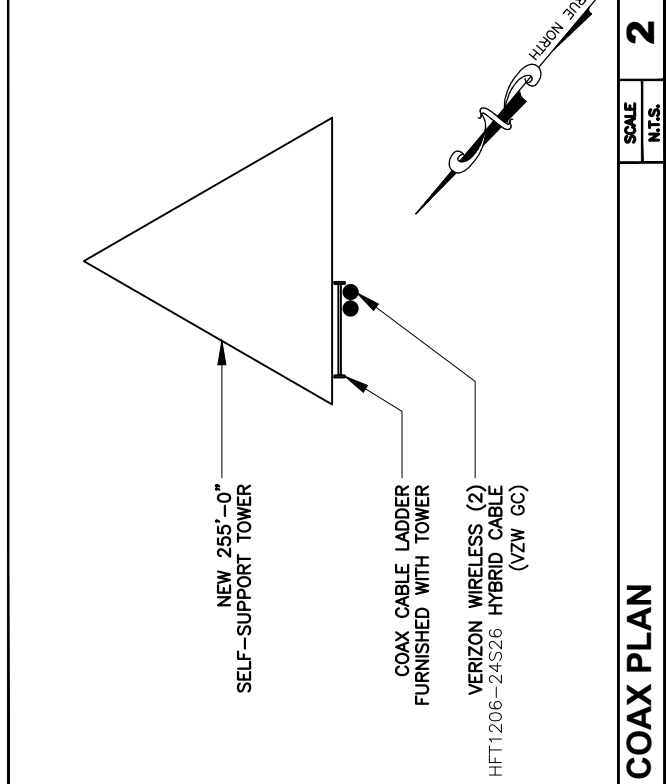
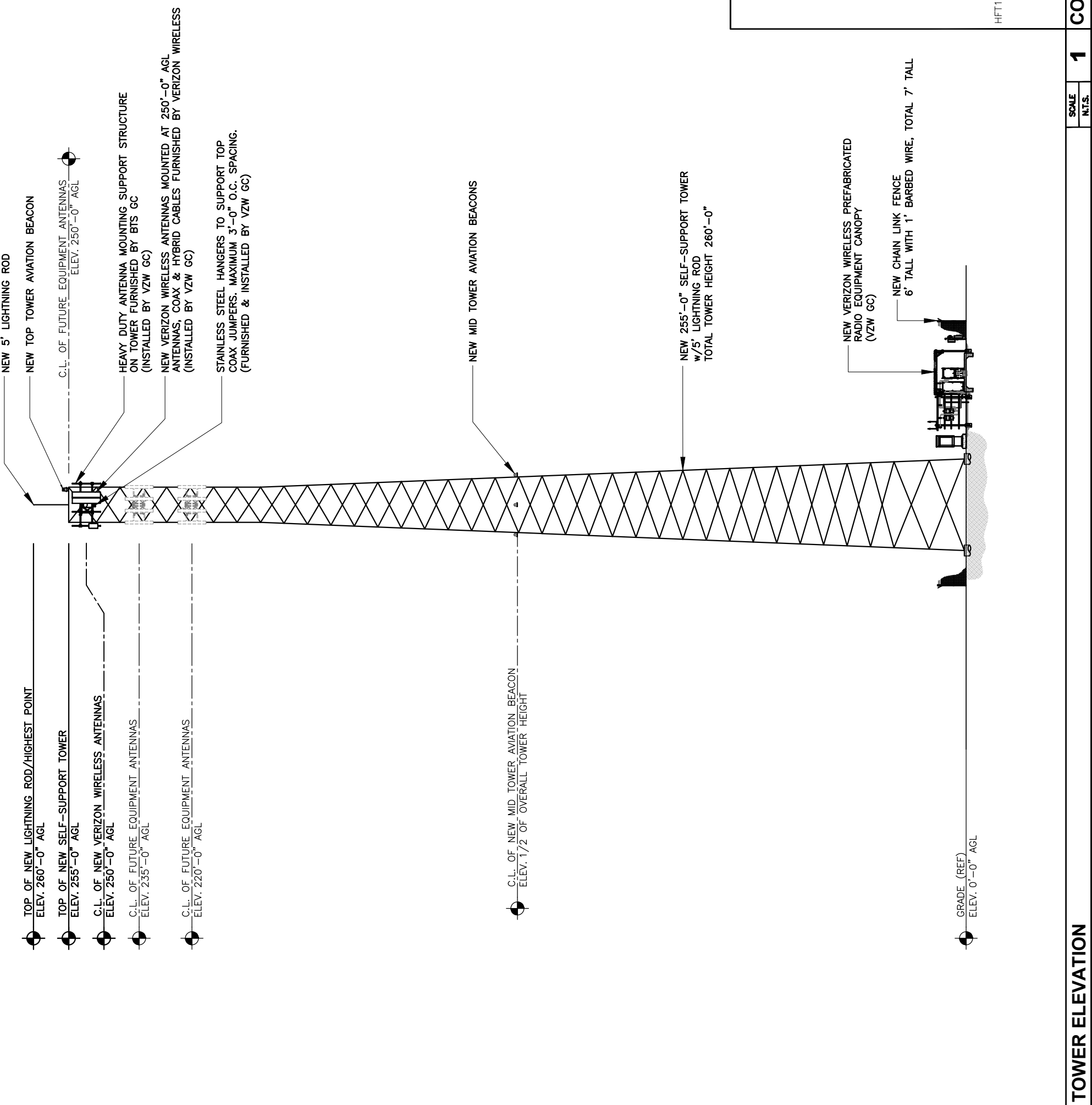
NOTE:
1. THIS MAP IS FOR GENERAL INFORMATIONAL PURPOSES ONLY AND IS NOT A BOUNDARY SURVEY.
2. NOT FOR RECORDING OR PROPERTY TRANSFER.

- APN: 37-37.01**
OWNER: CREASON FAMILY IRR TRUST % KATHY CHASE
777 MILBY RATTLIFF RD
SUMMERSVILLE KY 42782
- APN: 37-37.02**
OWNER: NOE THOMAS L & K KRISTEN
9004 HODGENVILLE RD
SUMMERSVILLE KY 42782
- APN: 37-37.03**
OWNER: CREASON FAMILY IRR TRUST % KATHY CHASE
777 MILBY RATTLIFF RD
SUMMERSVILLE, KY 42782
- APN: 37-37.04**
OWNER: NOE CHARLES & THOMAS & KRISTEN
609 TAYLOR CHAPEL RD
SUMMERSVILLE KY 42782
- APN: 37-37.05**
OWNER: SMITH RICKY & LINDA
8909 HODGENVILLE RD
SUMMERSVILLE KY 42782
- APN: 37-37.06**
OWNER: MIKE & KEITH'S USED CARS, LLC
8863 HODGENVILLE RD
SUMMERSVILLE KY 42782
- APN: 37-37.07**
OWNER: ESTES RONNIE JOE & BRENDA
8865 HODGENVILLE RD
SUMMERSVILLE KY 42782
- APN: 37-37.08**
OWNER: EDWARDS WILBERT & TRINA
HODGENVILLE RD
SUMMERSVILLE KY 42782
- APN: 37-37.09**
OWNER: HODGES DAVID & DANIEL
7015 HODGENVILLE RD
GREENSBURG, KY 42743
- APN: 37-37.10**
OWNER: CREASON FAMILY IRR TRUST % KATHY CHASE
777 MILBY RATTLIFF RD
SUMMERSVILLE KY 42782
- APN: 37-37.11**
OWNER: CHASE BARRY
8820 HODGENVILLE RD
SUMMERSVILLE KY 42782
- APN: 37-37.12**
OWNER: CHASE BARRY
8820 HODGENVILLE RD
SUMMERSVILLE KY 42782
- APN: 37-37.13**
OWNER: CREASON FAMILY IRR TRUST % KATHY CHASE
777 MILBY RATTLIFF RD
SUMMERSVILLE KY 42782



THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

NOTE:
 1. IT IS THE INSTALLING CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL ANTENNA INFORMATION AGAINST FINAL RADIO ENGINEERING PLAN PROVIDED BY VERIZON LEGAL BUSINESS ENTITY VERIZON LEGAL BUSINESS ENTITY d/b/a VERIZON WIRELESS (VZW GC) (VZW GC). ALL TOWER LIGHTING SHALL BE INSTALLED AS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION AND RECOMMENDED BY THE INTERIM GUIDELINES (2000) FOR LIGHTING OF TOWERS OVER 200' IN HEIGHT.



WhiteRock
 HOLDINGS LLC
 604 FOX GLEN
 BARRINGTON, IL 60010
 PHONE: 847-277-0070
 EMAIL: INFO@WHITEROCKHOLDINGSLLC.COM

JOHN M. BANKS
 ARCHITECT
 604 FOX GLEN
 BARRINGTON, IL 60010
 TELEPHONE: 847-277-0070
 FAX: 847-277-0080
 EMAIL: JBANKS@WESTCHESTERSERVICES.COM

WESTCHESTER
 SERVICES LLC
 604 FOX GLEN
 BARRINGTON, IL 60010
 PHONE: 847-277-0070
 EMAIL: AE@westchesterservices.com
 KY Firm No. 5130

DRAWN BY: CG
CHECKED BY: ST

REV	DATE	DESCRIPTION
A	02/08/2024	ISSUED FOR ZONING
B	04/10/2024	ISSUED FOR ZONING
0	09/10/2024	ISSUED FOR ZONING

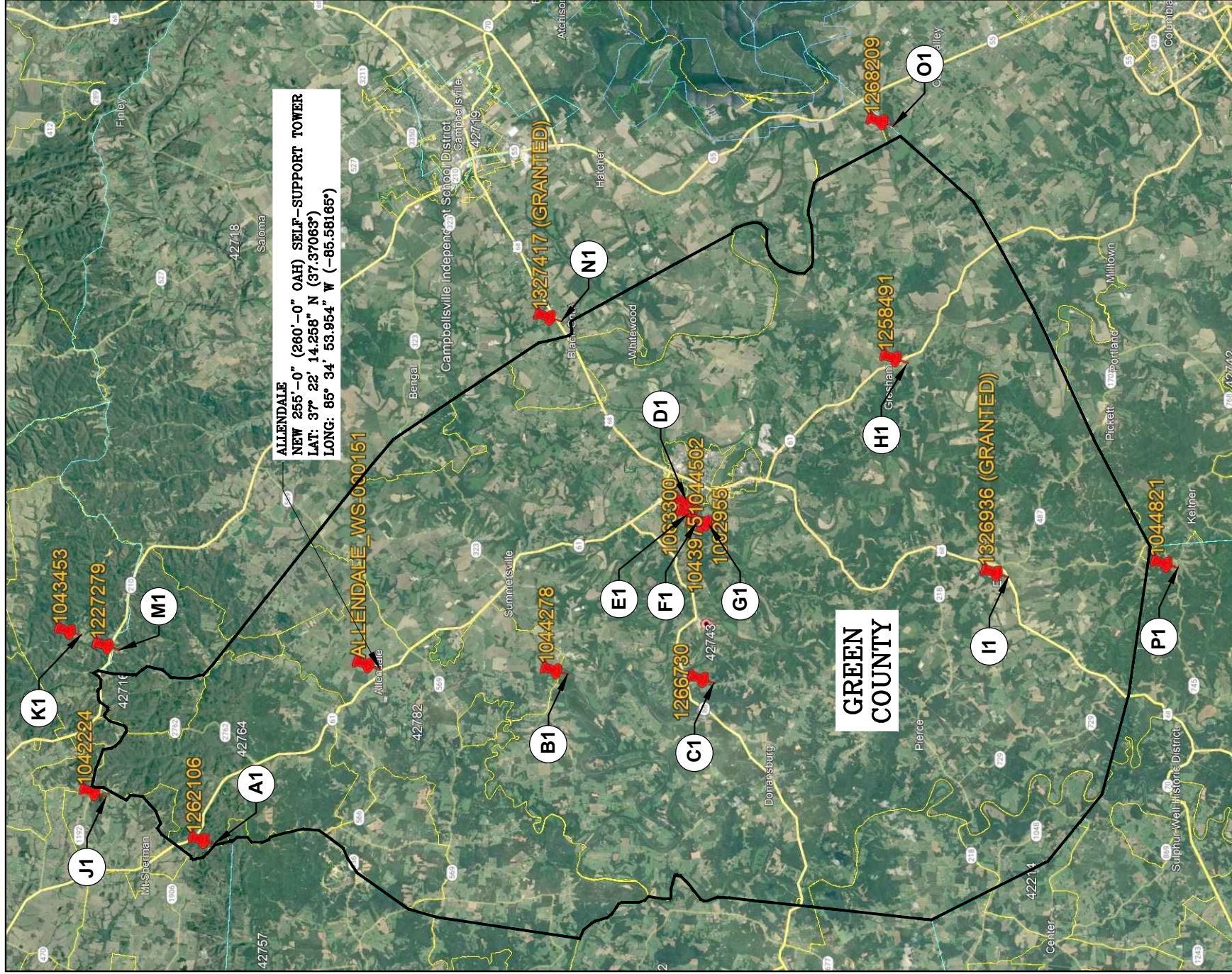
I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF KENTUCKY.
 DATE: 09/10/2024
 PROFESSIONAL ENGINEER
 LICENSED
 35592
 EXPIRATION DATE: 09/30/2025

SITE # WS-000151
SITE NAME: ALLENDALE
SITE ADDRESS: 8820 HODGENVILLE RD
 SUMMERSVILLE, KY 42782

SHEET TITLE
 TOWER
 ELEVATION

SHEET NUMBER
TE-1

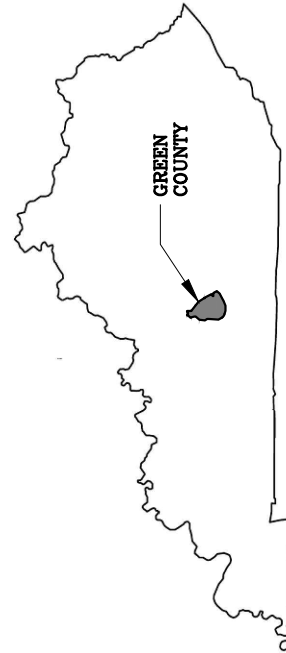
GREEN COUNTY KENTUCKY
VERIZON WIRELESS SITE NAME: ALLENDALE



TOWER GRID MAP

EXISTING TOWERS FROM FROM NORTH TO SOUTH

- (A1)** FCC ASR#: 1262106
TOWER OWNER: CELCO PARTNERSHIP
LAT: 37° 25' 41.0" N
LONG: -85° 39' 31.8" W
- (B1)** FCC ASR#: 1044278
TOWER OWNER: TENNESSEE GAS COMPANY LLC
LAT: 37° 18' 20.1" N
LONG: -85° 35' 0.6" W
- (C1)** FCC ASR#: 1266730
TOWER OWNER: CELCO PARTNERSHIP
LAT: 37° 15' 19.8" N
LONG: -85° 35' 11.9" W
- (D1)** FCC ASR#: 1043975
TOWER OWNER: ACCESS CABLE TELEVISION, INC.
LAT: 37° 15' 38" N
LONG: -85° 30' 39" W
- (E1)** FCC ASR#: 1063300
TOWER OWNER: FIRST CORBIN REALTY, LLC
LAT: 37° 15' 34" N
LONG: -85° 30' 57" W
- (F1)** FCC ASR#: 1002955
TOWER OWNER: GLOBAL TOWER, LLC THROUGH AMERICAN TOWERS, LLC
LAT: 37° 15' 22" N
LONG: -85° 31' 12" W
- (G1)** FCC ASR#: 1044502
TOWER OWNER: EAST KENTUCKY POWER COOPERATIVE, INC.
LAT: 37° 15' 16.2" N
LONG: 85° 31' 9.9" W
- (H1)** FCC ASR#: 1258491
TOWER OWNER: CELCO PARTNERSHIP
LAT: 37° 11' 24.9" N
LONG: -85° 26' 58.6" W
- (I1)** FCC ASR#: 1326936 (GRANTED)
TOWER OWNER: VB BTS II, LLC
LAT: 37° 09' 23.0" N
LONG: -85° 32' 25.5" W
- (J1)** FCC ASR#: 1042224
TOWER OWNER: GLOBAL TOWER, LLC THROUGH AMERICAN TOWERS, LLC
LAT: 37° 28' 00.0" N
LONG: -85° 38' 19.0" W
- (K1)** FCC ASR#: 1043453
TOWER OWNER: CELCO PARTNERSHIP
LAT: 37° 28' 31.7" N
LONG: -85° 34' 05.2" W
- (M1)** FCC ASR#: 1227279
TOWER OWNER: CELCO PARTNERSHIP
LAT: 37° 27' 43.2" N
LONG: -85° 34' 27.8" W
- (N1)** FCC ASR#: 1327417 (GRANTED)
TOWER OWNER: SOUTHERN TOWERS BTS, LP
LAT: 37° 18' 27.8" N
LONG: -85° 25' 53.1" W
- (O1)** FCC ASR#: 1268209
TOWER OWNER: CELCO PARTNERSHIP
LAT: 37° 11' 40.7" N
LONG: -85° 20' 55.2" W
- (P1)** FCC ASR#: 1044821
TOWER OWNER: KENTUCKY COMMONWEALTH OF DBA = KY EMERGENCY WARNING SYSTEMS KEWS
LAT: 37° 06' 00.0" N
LONG: 85° 32' 10.1" W



WhiteRock
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INFO@WHITEROCKHOLDINGSLLC.COM

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PHONE: 847-277-0070
EMAIL: AE@westchesterservices.com
KY Firm No. 5130

DRAWN BY: CG
CHECKED BY: ST

REV	DATE	DESCRIPTION
A	02/08/2024	ISSUED FOR ZONING
B	04/10/2024	ISSUED FOR ZONING
O	09/10/2024	ISSUED FOR ZONING

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF KENTUCKY
DATE: 09/10/2024
35592
PROFESSIONAL ENGINEER
EXPIRATION DATE: 09/30/2025

SITE # WS-000151
SITE NAME: ALLENDALE
SITE ADDRESS: 8820 HODGENVILLE RD
SUMMERSVILLE, KY 42782

SHEET TITLE
TOWER GRID MAP

SHEET NUMBER
C-0

SCALE
N.T.S.

1

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BARRINGTON, IL 60010
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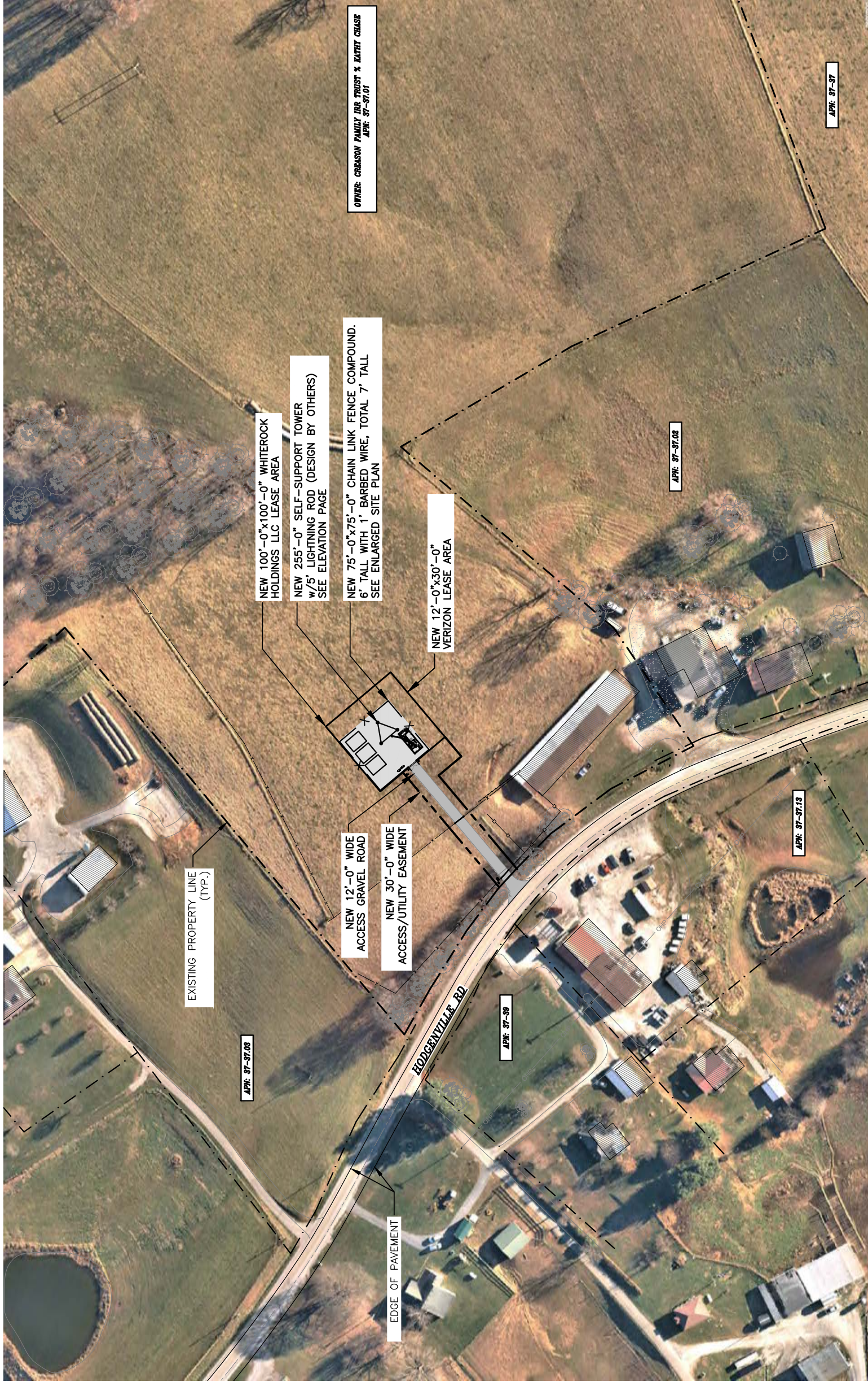
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SITE # WS-000151
SITE NAME: ALLENDALE
SITE ADDRESS: 8820 HODGENVILLE RD SUMMERSVILLE, KY 42782

SHEET TITLE
OVERALL SITE PLAN W/AERIAL OVERLAY

SHEET NUMBER
C-1



OWNER: CRABSON FAMILY IRA TRUST & KATY TRUST
APN: 37-37-01

LEGEND

- PROPOSED LEASE LINE
- - - PROPOSED EASEMENT
- x - x - PROPOSED FENCE
- x - x - EXISTING FENCE
- - - - EXISTING PAVEMENT
- - - - EXISTING PROPERTY LINE

SCALE: 1/64" = 1'-0" (24x36)
(OR) 1/128" = 1'-0" (11x17)

811
Know what's below.
Call before you dig.

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN KENTUCKY, CALL KENTUCKY 811
TOLL FREE: 1-800-752-6007 OR www.kentucky811.org
KENTUCKY STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

OVERALL SITE PLAN W/AERIAL OVERLAY

WhiteRock
HOLDINGS LLC

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PHONE: 847-277-0070
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JOHN M. BANKS
ARCHITECT

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35592

PROFESSIONAL ENGINEER

EXPIRATION DATE: 09/30/2025

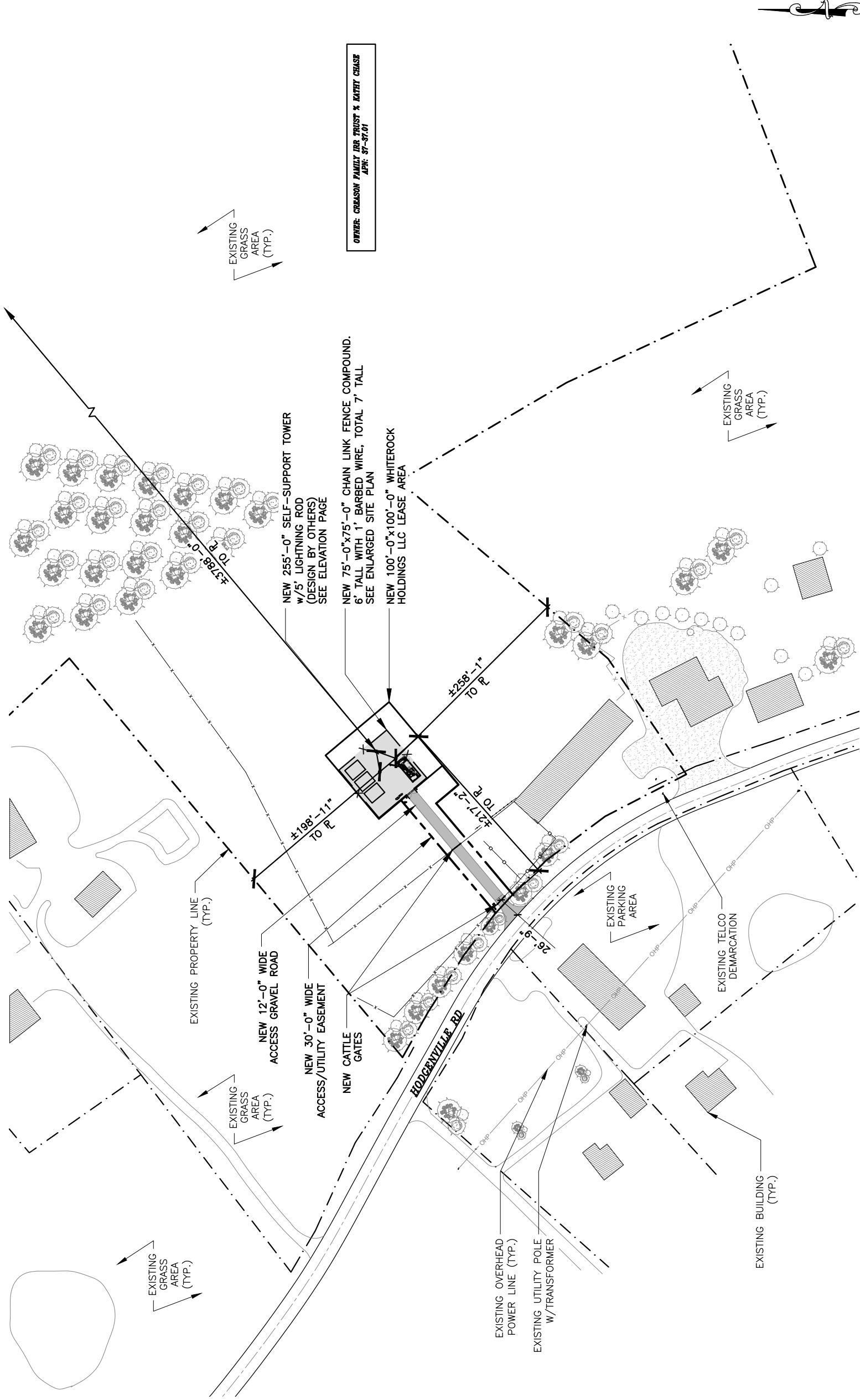
SITE # WS-000151

SITE NAME: ALLENDALE

SITE ADDRESS: 8820 HODGENVILLE RD
SUMMERSVILLE, KY 42782

SHEET TITLE
OVERALL SITE PLAN
W/PAD DISTANCE TO
PROPERTY LINES

SHEET NUMBER
C-1A



OWNER: CREASON FAMILY IRR TRUST & KATHY CREASER
APN: 37-37-01

LEGEND

- PROPOSED LEASE LINE
- PROPOSED EASEMENT
- PROPOSED FENCE
- EXISTING FENCE
- EXISTING PAVEMENT
- EXISTING PROPERTY LINE

NOTE:
CONTRACTOR TO CLEAR AND GRUB EXISTING VEGETATION AND REMOVE TREES AS NEEDED WITHIN PROPOSED AND 10' AROUND ENTIRE FENCED AREA. ENSURE ALL OVERHANGING LIMBS OF BRANCHES ARE REMOVED AS WELL.

811

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www.kentucky811.org

KENTUCKY STATUTE
REQUIRES MIN OF 2
WORKING DAYS NOTICE
BEFORE YOU EXCAVATE

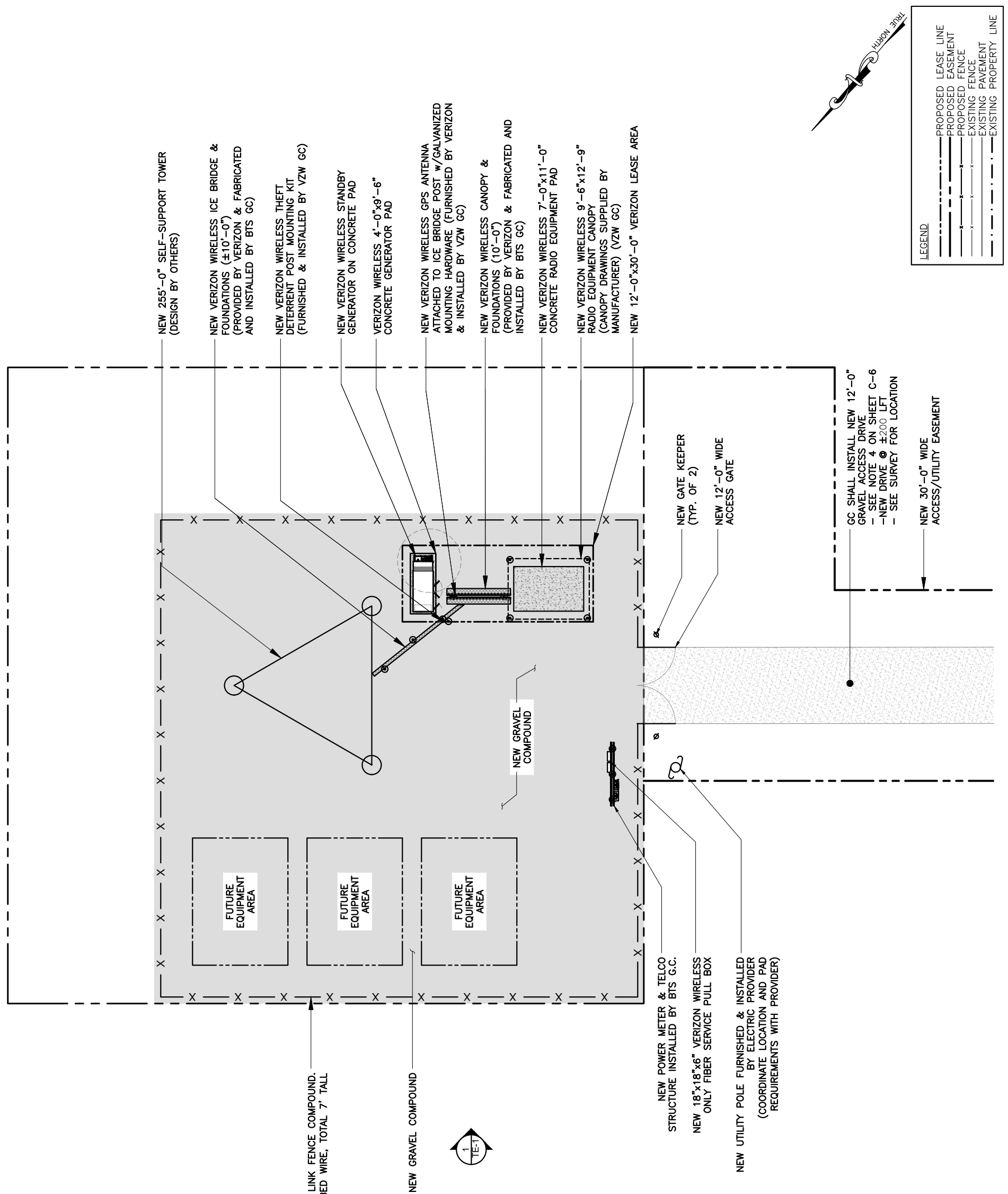
OVERALL SITE PLAN W/PAD DISTANCE TO PROPERTY LINES

SCALE: 1/64" = 1'-0" (24x36)
(OR) 1/128" = 1'-0" (11x17)

1

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

NOTE:
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NEW 255'-0" SELF-SUPPORT TOWER
(DESIGN BY OTHERS)

NEW VERIZON WIRELESS ICE BRIDGE & FOUNDATIONS (±10'-0") (PROVIDED BY VERIZON & FABRICATED AND INSTALLED BY BTS GC)

NEW VERIZON WIRELESS THEFT DETERRENT POST MOUNTING KIT (FURNISHED & INSTALLED BY VZW GC)

NEW VERIZON WIRELESS STANDBY GENERATOR ON CONCRETE PAD

VERIZON WIRELESS 4'-0"x9'-6" CONCRETE GENERATOR PAD

NEW VERIZON WIRELESS GPS ANTENNA ATTACHED TO ICE BRIDGE POST w/GALVANIZED MOUNTING HARDWARE (FURNISHED BY VERIZON & INSTALLED BY VZW GC)

NEW VERIZON WIRELESS CANOPY & FOUNDATIONS (10'-0") (PROVIDED BY VERIZON & FABRICATED AND INSTALLED BY BTS GC)

NEW VERIZON WIRELESS 7'-0"x11'-0" CONCRETE RADIO EQUIPMENT PAD

NEW VERIZON WIRELESS 9'-6"x12'-9" RADIO EQUIPMENT CANOPY (CANOPY DRAWINGS SUPPLIED BY MANUFACTURER) (VZW GC)

NEW 12'-0"x30'-0" VERIZON LEASE AREA

NEW GATE KEEPER
(TYP. OF 2)

NEW 12'-0" WIDE ACCESS GATE

GC SHALL INSTALL NEW 12'-0" GRAVEL ACCESS DRIVE
- SEE NOTE 4 ON SHEET C-6
- NEW DRIVE @ ±200 LFT
- SEE SURVEY FOR LOCATION

NEW 30'-0" WIDE ACCESS/UTILITY EASEMENT

FUTURE EQUIPMENT AREA

FUTURE EQUIPMENT AREA

FUTURE EQUIPMENT AREA

NEW GRAVEL COMPOUND

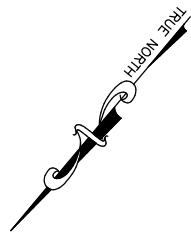
NEW 75'-0"x75'-0" CHAIN LINK FENCE COMPOUND, 6' TALL WITH 1' BARBED WIRE, TOTAL 7' TALL

NEW GRAVEL COMPOUND

NEW POWER METER & TELCO STRUCTURE INSTALLED BY BTS G.C.

NEW 18"x18"x6" VERIZON WIRELESS ONLY FIBER SERVICE PULL BOX

NEW UTILITY POLE FURNISHED & INSTALLED BY ELECTRIC PROVIDER (COORDINATE LOCATION AND PAD REQUIREMENTS WITH PROVIDER)



LEGEND	
---	PROPOSED LEASE LINE
---	PROPOSED EASEMENT
---	PROPOSED FENCE
---	EXISTING FENCE
---	EXISTING PAVEMENT
---	EXISTING PROPERTY LINE

WhiteRock
HOLDINGS LLC
604 FOX GLEN
BARRINGTON, IL 60010
PHONE: 847-277-0070
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DRAWN BY:	CG
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PROFESSIONAL ENGINEER
EXPIRATION DATE: 09/30/2025

SITE # WS-000151
SITE NAME: ALLENDALE
SITE ADDRESS: 8820 HODGENVILLE RD
SUMMERSVILLE, KY 42782

SHEET TITLE
DETAILED SITE PLAN

SHEET NUMBER
C-3

SCALE: 1/8" = 1'-0" (24x36)
(OR) 1/16" = 1'-0" (11x17)

0' 2' 4'

DETAILED SITE PLAN

WhiteRock
HOLDINGS LLC
604 FOX GLEN
BARRINGTON, IL 60010
PHONE: 847-277-0070
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JOHN M. BANKS
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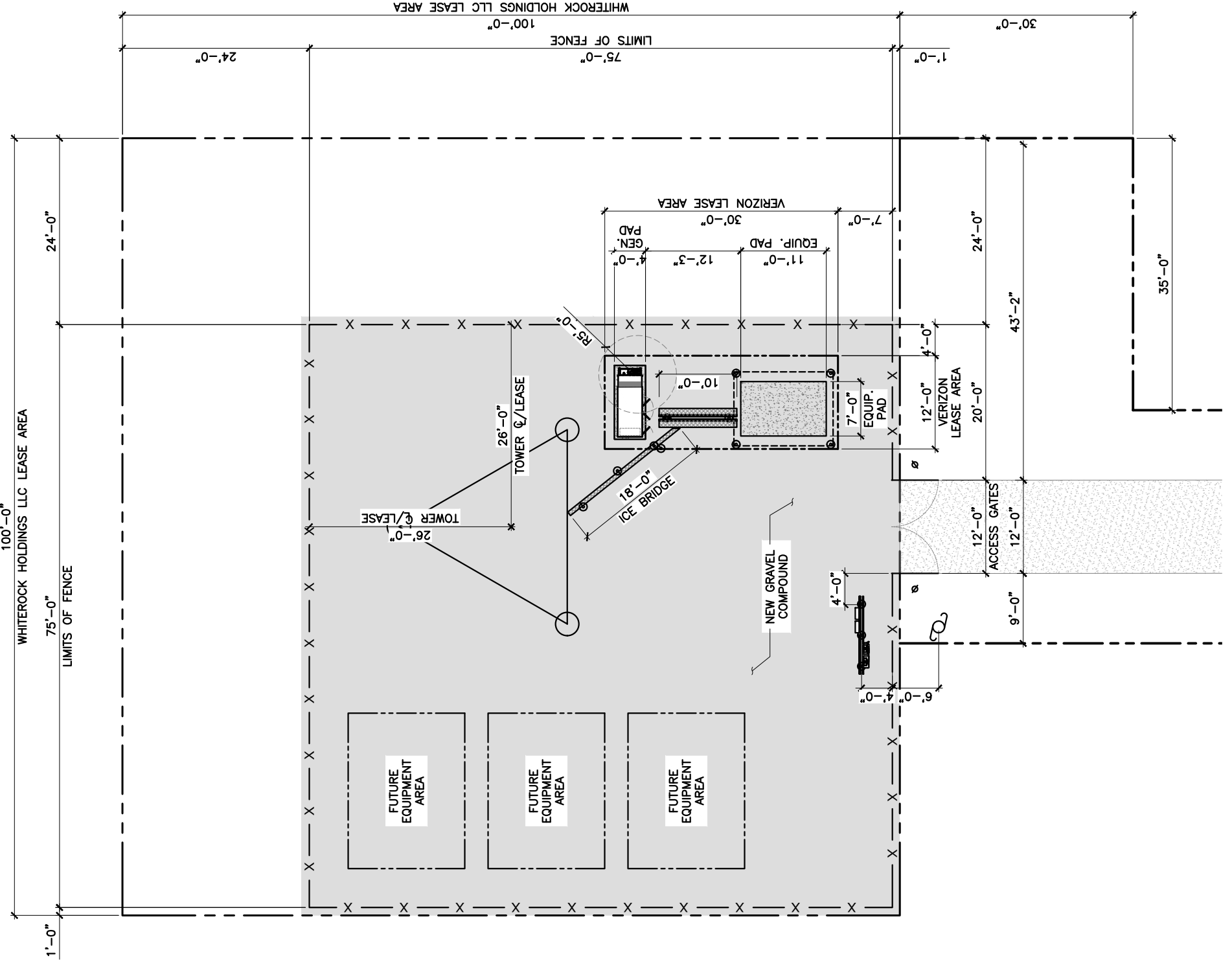
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35592
PROFESSIONAL ENGINEER
EXPIRATION DATE: 09/30/2025

SITE # WS-000151
SITE NAME: ALLENDALE
SITE ADDRESS: 8820 HODGENVILLE RD SUMMERSVILLE, KY 42782

SHEET TITLE
DIMENSIONED SITE PLAN

SHEET NUMBER
C-4



LEGEND

---	PROPOSED LEASE LINE
- - -	PROPOSED EASEMENT
---	PROPOSED FENCE
---	EXISTING FENCE
---	EXISTING PAVEMENT
---	EXISTING PROPERTY LINE

SCALE: 1/8" = 1'-0" (24x36)
(OR) 1/16" = 1'-0" (11x17)

0' 2' 4' 8'

1

NOTE:
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KENTUCKY STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

DIMENSIONED SITE PLAN

DALEY JOB NO. 58779
255' SELF SUPPORTING TOWER
WHITEROCK HOLDINGS
WS-000151 ALLENDALE SITE
GREEN COUNTY, KENTUCKY
LATITUDE: 37.370699 N
LONGITUDE: 85.581540 W

TOWER AND FOUNDATION DESIGN
REVISION 0

CASE JOB NO. 24286

PREPARED FOR:

Daley Tower Service, Inc.
601 Hector Connolly Road
Carencro, Louisiana 70520

PREPARED BY:

Civil **A**nd **S**tructural **E**ngineers, Incorporated

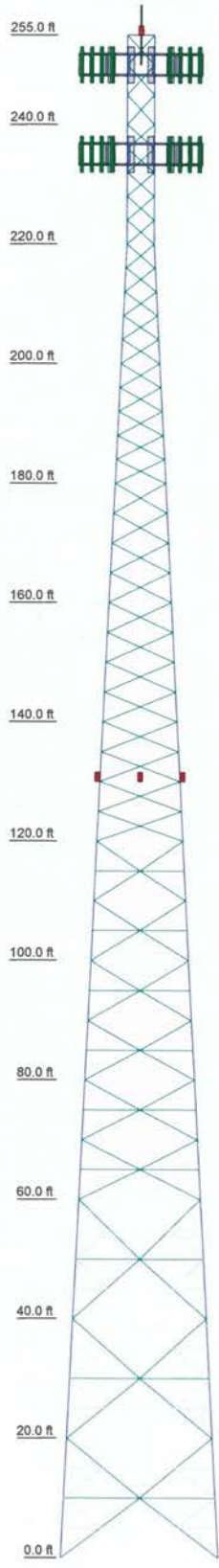
P.O. Box 4825
Lafayette, LA 70502
www.casengr.com



9-19-24

TOWER CALCULATIONS

Section	T13	T12	T11	T10	T9	T7	T6	T5	T4	T3	T2	T1
Legs	SR 3 3/4	SR 3 3/4	SR 3 1/2	SR 3 1/2	SR 3 1/2	SR 3 1/4	SR 3 1/4	SR 3	SR 2 3/4	SR 2 3/4	SR 2 1/4	SR 1 3/4
Leg Grade	L3x3x1/4	L3x3x1/4	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16
Diagonal Grade	L3x3x1/4	L3x3x1/4	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16
Top Girts	L3x3x1/4	L3x3x1/4	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16
Horizontals	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16
Red. Horizontals	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16
Red. Diagonals	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16
Inner Bracing	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16
Face Width (ft)	26.5	24.5	22.5	20.5	18.5	16.5	14.5	12.5	10.5	8.5	6.5	4.5
# Panels @ (ft)	6 @ 10	6 @ 10	6 @ 10	6 @ 10	6 @ 10	6 @ 10	6 @ 10	6 @ 10	6 @ 10	6 @ 10	6 @ 10	6 @ 10
Weight (lb)	34705.6	47131	4086.2	3886.4	3019.5	3314.6	3065.8	2537.3	2428.9	2072.7	1855.5	1251.2



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Lightning Rod	255	L-810 Side Light	130
L-864 Beacon	255	L-810 Side Light	130
40,000 sqin EPA(A) Carrier (6,000 lbs)	250	L-810 Side Light	130
30,000 sqin EPA(A) Carrier (4,000 lbs)	235		

SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	L1 3/4x1 3/4x3/16		

MATERIAL STRENGTH

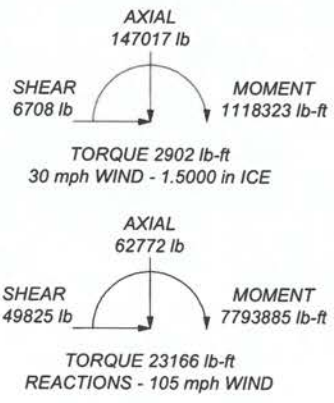
GRADE	Fy	Fu	GRADE	Fy	Fu
A529-50	50 ksi	65 ksi			

TOWER DESIGN NOTES

1. Tower is located in Green County, Kentucky.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 105 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 30 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. Connections use galvanized A325 bolts, nuts and locking devices. Installation per TIA/EIA-222 and AISC Specifications.
9. Tower members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards.
10. TOWER RATING: 98.2%

ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:
 DOWN: 360362 lb
 SHEAR: 32456 lb
 UPLIFT: -307422 lb
 SHEAR: 27517 lb



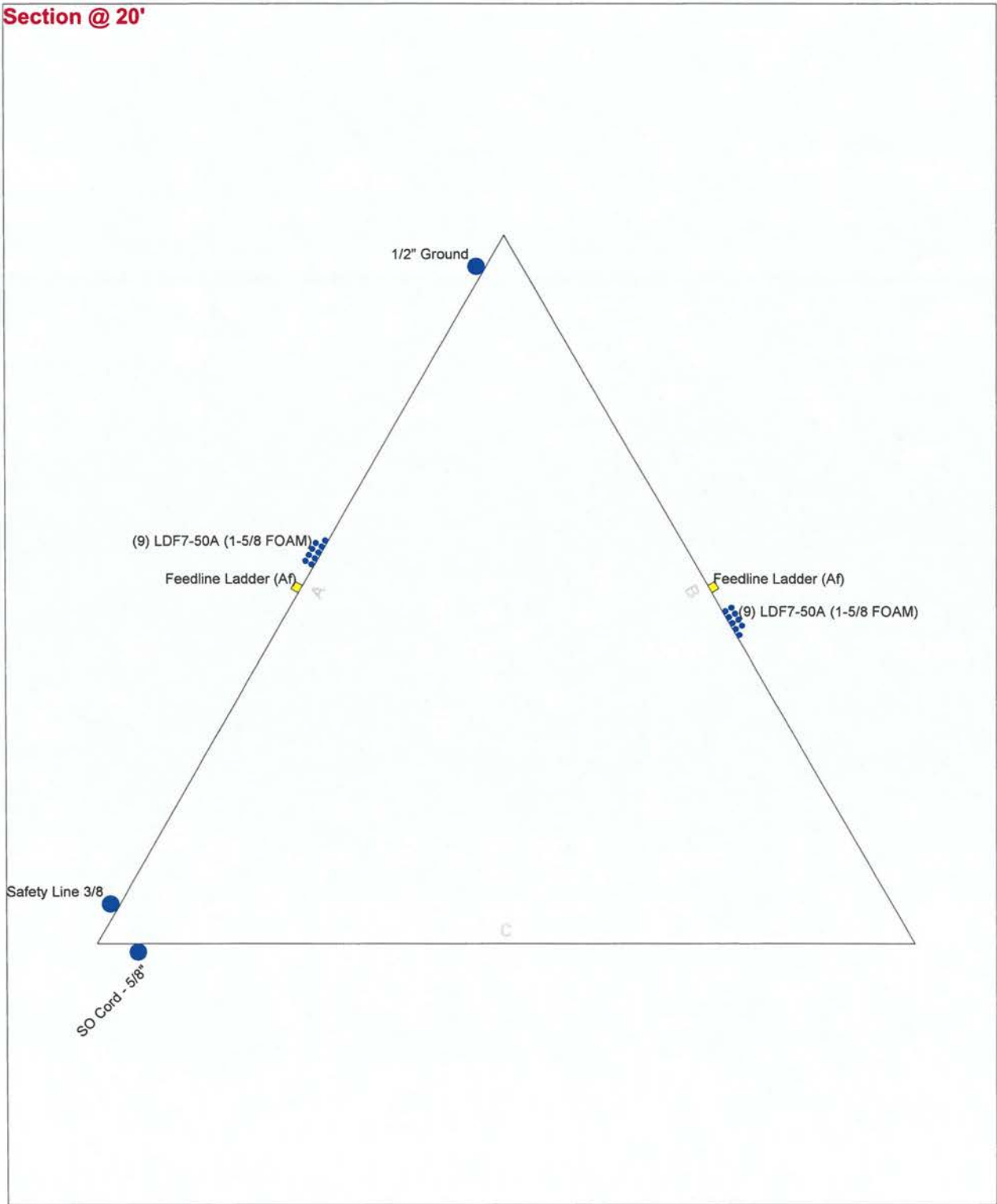
This design may not be used without the written consent of CASE, Inc.

C.A.S.E., Inc.		Job: 58779 Final Design Rev 0	
P.O. Box 4825		Project: 255' SST WS-000151 Allendale Site, KY	
Lafayette, Louisiana 70502		Client: WhiteRock Holdings	Drawn by: MJG
Phone: 337-232-3336		Code: TIA-222-H	Date: 09/19/24
FAX: mgranberry@casengr.com		Path:	Scale: NTS
			Dwg No. E-1

Feed Line Plan 20'

Round Flat App In Face App Out Face

Section @ 20'



C.A.S.E., Inc.		Job: 58779 Final Design Rev 0	
P.O. Box 4825		Project: 255' SST WS-000151 Allendale Site, KY	
Lafayette, Louisiana 70502		Client: WhiteRock Holdings	Drawn by: MJG
Phone: 337-232-3336		Code: TIA-222-H	Date: 09/19/24
FAX: mgranberry@casengr.com		Path:	Scale: NTS
			Dwg No. E-7

tnxTower C.A.S.E., Inc. P.O. Box 4825 Lafayette, Louisiana 70502 Phone: 337-232-3336 FAX: mgranberry@casengr.com	Job 58779 Final Design Rev 0	Page 1 of 29
	Project 255' SST WS-000151 Allendale Site, KY	Date 14:16:36 09/19/24
	Client WhiteRock Holdings	Designed by MJG

Tower Input Data

The main tower is a 3x free standing tower with an overall height of 255.00 ft above the ground line.

The base of the tower is set at an elevation of 0.00 ft above the ground line.

The face width of the tower is 4.50 ft at the top and 26.50 ft at the base.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

Tower is located in Green County, Kentucky.

Tower base elevation above sea level: 805.00 ft.

Basic wind speed of 105 mph.

Risk Category II.

Exposure Category C.

Simplified Topographic Factor Procedure for wind speed-up calculations is used.

Topographic Category: 1.

Crest Height: 0.00 ft.

Nominal ice thickness of 1.5000 in.

Ice thickness is considered to increase with height.

Ice density of 56 pcf.

A wind speed of 30 mph is used in combination with ice.

Temperature drop of 50 °F.

Deflections calculated using a wind speed of 60 mph.

Connections use galvanized A325 bolts, nuts and locking devices. Installation per TIA/EIA-222 and AISC Specifications..

Tower members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards..

A non-linear (P-delta) analysis was used.

Pressures are calculated at each section.

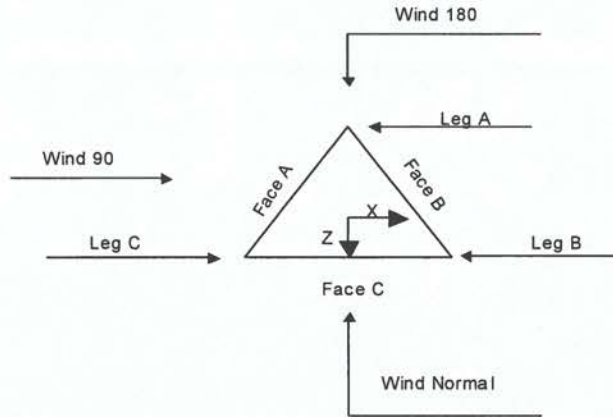
Stress ratio used in tower member design is 1.

Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification √ Use Code Stress Ratios √ Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile √ Include Bolts In Member Capacity Leg Bolts Are At Top Of Section √ Secondary Horizontal Braces Leg √ Use Diamond Inner Bracing (4 Sided) √ SR Members Have Cut Ends SR Members Are Concentric Distribute Leg Loads As Uniform | <ul style="list-style-type: none"> Assume Legs Pinned Assume Rigid Index Plate √ Use Clear Spans For Wind Area √ Use Clear Spans For KL/r √ Retension Guys To Initial Tension Bypass Mast Stability Checks √ Use Azimuth Dish Coefficients √ Project Wind Area of Appurtenances Alternative Appurt. EPA Calculation √ Autocalc Torque Arm Areas Add IBC .6D+W Combination Sort Capacity Reports By Component √ Triangulate Diamond Inner Bracing √ Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs Use ASCE 10 X-Brace Leg Rules | <ul style="list-style-type: none"> √ Calculate Redundant Bracing Forces Ignore Redundant Members in FEA √ SR Leg Bolts Resist Compression √ All Leg Panels Have Same Allowable Offset Girt At Foundation √ Consider Feed Line Torque √ Include Angle Block Shear Check Use TIA-222-H Bracing Resist. Exemption Use TIA-222-H Tension Splice Exemption <li style="text-align: center;">Poles Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known |
|---|--|---|

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Triangular Tower

Tower Section Geometry

Tower Section	Tower Elevation	Assembly Database	Description	Section Width	Number of Sections	Section Length
	ft			ft		ft
T1	255.00-240.00			4.50	1	15.00
T2	240.00-220.00			4.50	1	20.00
T3	220.00-200.00			4.50	1	20.00
T4	200.00-180.00			6.50	1	20.00
T5	180.00-160.00			8.50	1	20.00
T6	160.00-140.00			10.50	1	20.00
T7	140.00-120.00			12.50	1	20.00
T8	120.00-100.00			14.50	1	20.00
T9	100.00-80.00			16.50	1	20.00
T10	80.00-60.00			18.50	1	20.00
T11	60.00-40.00			20.50	1	20.00
T12	40.00-20.00			22.50	1	20.00
T13	20.00-0.00			24.50	1	20.00

Tower Section Geometry (cont'd)

Tower Section	Tower Elevation	Diagonal Spacing	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset	Bottom Girt Offset
	ft	ft				in	in
T1	255.00-240.00	5.00	X Brace	No	No	0.0000	0.0000
T2	240.00-220.00	4.00	X Brace	No	No	0.0000	0.0000

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Tower Section	Tower Elevation ft	Diagonal Spacing ft	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset in	Bottom Girt Offset in
T3	220.00-200.00	4.00	X Brace	No	No	0.0000	0.0000
T4	200.00-180.00	4.00	X Brace	No	No	0.0000	0.0000
T5	180.00-160.00	5.00	X Brace	No	No	0.0000	0.0000
T6	160.00-140.00	5.00	X Brace	No	No	0.0000	0.0000
T7	140.00-120.00	5.00	X Brace	No	No	0.0000	0.0000
T8	120.00-100.00	5.00	Double K	No	Yes	0.0000	0.0000
T9	100.00-80.00	5.00	Double K	No	Yes	0.0000	0.0000
T10	80.00-60.00	5.00	Double K	No	Yes	0.0000	0.0000
T11	60.00-40.00	10.00	Double K1	No	Yes	0.0000	0.0000
T12	40.00-20.00	10.00	Double K1	No	Yes	0.0000	0.0000
T13	20.00-0.00	10.00	Double K1	No	Yes	0.0000	0.0000

Tower Section Geometry (cont'd)

Tower Elevation ft	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
T1 255.00-240.00	Solid Round	1 3/4	A529-50 (50 ksi)	Equal Angle	L2x2x3/16	A529-50 (50 ksi)
T2 240.00-220.00	Solid Round	2 1/4	A529-50 (50 ksi)	Equal Angle	L2x2x3/16	A529-50 (50 ksi)
T3 220.00-200.00	Solid Round	2 3/4	A529-50 (50 ksi)	Equal Angle	L2x2x3/16	A529-50 (50 ksi)
T4 200.00-180.00	Solid Round	2 3/4	A529-50 (50 ksi)	Equal Angle	L2x2x3/16	A529-50 (50 ksi)
T5 180.00-160.00	Solid Round	3	A529-50 (50 ksi)	Equal Angle	L2x2x3/16	A529-50 (50 ksi)
T6 160.00-140.00	Solid Round	3 1/4	A529-50 (50 ksi)	Equal Angle	L2x2x3/16	A529-50 (50 ksi)
T7 140.00-120.00	Solid Round	3 1/4	A529-50 (50 ksi)	Equal Angle	L2x2x3/16	A529-50 (50 ksi)
T8 120.00-100.00	Solid Round	3 1/2	A529-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A529-50 (50 ksi)
T9 100.00-80.00	Solid Round	3 1/2	A529-50 (50 ksi)	Equal Angle	L3x3x3/16	A529-50 (50 ksi)
T10 80.00-60.00	Solid Round	3 1/2	A529-50 (50 ksi)	Equal Angle	L3x3x3/16	A529-50 (50 ksi)
T11 60.00-40.00	Solid Round	3 3/4	A529-50 (50 ksi)	Equal Angle	L3x3x1/4	A529-50 (50 ksi)
T12 40.00-20.00	Solid Round	3 3/4	A529-50 (50 ksi)	Equal Angle	L3x3x1/4	A529-50 (50 ksi)
T13 20.00-0.00	Solid Round	3 3/4	A529-50 (50 ksi)	Equal Angle	L3x3x1/4	A529-50 (50 ksi)

Tower Section Geometry (cont'd)

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
T1 255.00-240.00	Equal Angle	L1 3/4x1 3/4x3/16	A529-50 (50 ksi)	Solid Round		A529-50 (50 ksi)

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Tower Section Geometry (cont'd)

Tower Elevation <i>ft</i>	No. of Mid Girts	Mid Girt Type	Mid Girt Size	Mid Girt Grade	Horizontal Type	Horizontal Size	Horizontal Grade
T8 120.00-100.00	None	Solid Round		A36 (36 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A529-50 (50 ksi)
T9 100.00-80.00	None	Solid Round		A36 (36 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A529-50 (50 ksi)
T10 80.00-60.00	None	Solid Round		A36 (36 ksi)	Equal Angle	L3x3x3/16	A529-50 (50 ksi)
T11 60.00-40.00	None	Solid Round		A36 (36 ksi)	Equal Angle	L3x3x1/4	A529-50 (50 ksi)
T12 40.00-20.00	None	Solid Round		A36 (36 ksi)	Equal Angle	L3x3x1/4	A529-50 (50 ksi)
T13 20.00-0.00	None	Solid Round		A36 (36 ksi)	Equal Angle	L3x3x1/4	A529-50 (50 ksi)

Tower Section Geometry (cont'd)

Tower Elevation <i>ft</i>	Secondary Horizontal Type	Secondary Horizontal Size	Secondary Horizontal Grade	Inner Bracing Type	Inner Bracing Size	Inner Bracing Grade
T8 120.00-100.00	Solid Round		A36 (36 ksi)	Equal Angle	L2x2x3/16	A529-50 (50 ksi)
T9 100.00-80.00	Solid Round		A36 (36 ksi)	Equal Angle	L2x2x3/16	A529-50 (50 ksi)
T10 80.00-60.00	Solid Round		A36 (36 ksi)	Equal Angle	L2x2x3/16	A529-50 (50 ksi)
T11 60.00-40.00	Solid Round		A36 (36 ksi)	Equal Angle	L2x2x3/16	A529-50 (50 ksi)
T12 40.00-20.00	Solid Round		A36 (36 ksi)	Equal Angle	L2x2x3/16	A529-50 (50 ksi)
T13 20.00-0.00	Solid Round		A36 (36 ksi)	Equal Angle	L2x2x3/16	A529-50 (50 ksi)

Tower Section Geometry (cont'd)

Tower Elevation <i>ft</i>	Redundant Bracing Grade	Redundant Type	Redundant Type	Redundant Size	K Factor
T11 60.00-40.00	A529-50 (50 ksi)	Horizontal (1)	Equal Angle	L2 1/2x2 1/2x3/16	1
T12 40.00-20.00	A529-50 (50 ksi)	Diagonal (1)	Equal Angle	L2 1/2x2 1/2x3/16	1
T11 60.00-40.00	A529-50 (50 ksi)	Horizontal (1)	Equal Angle	L2 1/2x2 1/2x3/16	1
T12 40.00-20.00	A529-50 (50 ksi)	Diagonal (1)	Equal Angle	L2 1/2x2 1/2x3/16	1
T13 20.00-0.00	A529-50 (50 ksi)	Horizontal (1)	Equal Angle	L2 1/2x2 1/2x3/16	1

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Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 255.00-240.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T2 240.00-220.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T3 220.00-200.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T4 200.00-180.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T5 180.00-160.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T6 160.00-140.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T7 140.00-120.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)

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Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T8 120.00-100.00	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
T9 100.00-80.00	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
T10 80.00-60.00	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
T11 60.00-40.00	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
T12 40.00-20.00	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
T13 20.00-0.00	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)

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0.0000	0.75 (4)	0.0000	0.75 (4)			0.0000	0.75 (4)	0.0000	0.75 (4)
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Tower Section Geometry (cont'd)

Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
255.00-240.00	Flange	0.7500	4	0.5000	1	0.6250	0	0.6250	0	0.6250	0	0.5000	0	0.6250	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	
240.00-220.00	Flange	0.7500	4	0.5000	1	0.6250	0	0.6250	0	0.6250	0	0.5000	0	0.6250	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	
220.00-200.00	Flange	1.0000	4	0.5000	1	0.6250	0	0.6250	0	0.6250	0	0.5000	0	0.6250	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	
200.00-180.00	Flange	1.0000	4	0.5000	1	0.6250	0	0.6250	0	0.6250	0	0.5000	0	0.6250	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	
180.00-160.00	Flange	1.0000	4	0.5000	1	0.6250	0	0.6250	0	0.6250	0	0.5000	0	0.6250	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	
160.00-140.00	Flange	1.0000	4	0.5000	1	0.6250	0	0.6250	0	0.6250	0	0.5000	0	0.6250	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	
140.00-120.00	Flange	1.0000	4	0.5000	1	0.6250	0	0.6250	0	0.6250	0	0.5000	0	0.6250	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	
120.00-100.00	Flange	1.0000	6	0.5000	1	0.6250	0	0.6250	0	0.6250	0	0.5000	1	0.6250	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	
100.00-80.00	Flange	1.0000	6	0.5000	1	0.6250	0	0.6250	0	0.6250	0	0.5000	1	0.6250	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	
80.00-60.00	Flange	1.0000	6	0.6250	1	0.6250	0	0.6250	0	0.6250	0	0.6250	1	0.6250	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	
60.00-40.00	Flange	1.0000	6	0.6250	1	0.6250	0	0.6250	0	0.6250	0	0.6250	1	0.6250	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	
40.00-20.00	Flange	1.5000	6	0.6250	1	0.6250	0	0.6250	0	0.6250	0	0.6250	1	0.6250	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	
T13 20.00-0.00	Flange	F1554-105		A325N		A325N		A325N		A325N		A325N		A325N	

Tower Section Geometry (cont'd)

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
255.00-240.00	0.6250	0 (1)	0.6250	0 (1)	0.6250	0	0.6250	0	0.6250	0	0.6250	0 (1)	0.6250	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.6250	0 (2)	0.6250	0 (2)							0.6250	0 (2)	0.6250	0 (2)
	A325N		A325N								A325N		A325N	
	0.6250	0 (3)	0.6250	0 (3)							0.6250	0 (3)	0.6250	0 (3)
	A325N		A325N								A325N		A325N	
240.00-220.00	0.6250	0 (4)	0.6250	0 (4)							0.6250	0 (4)	0.6250	0 (4)
	A325N		A325N							A325N		A325N		
	0.6250	0 (1)	0.6250	0 (1)	0.6250	0	0.6250	0	0.6250	0	0.6250	0 (1)	0.6250	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.6250	0 (1)	0.6250	0 (1)							0.6250	0 (1)	0.6250	0 (1)
	A325N		A325N								A325N		A325N	

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Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T3 220.00-200.00	0.6250	0 (2)	0.6250	0 (2)							0.6250	0 (2)	0.6250	0 (2)
	A325N		A325N								A325N		A325N	
	0.6250	0 (3)	0.6250	0 (3)							0.6250	0 (3)	0.6250	0 (3)
	A325N		A325N								A325N		A325N	
	0.6250	0 (4)	0.6250	0 (4)							0.6250	0 (4)	0.6250	0 (4)
	A325N		A325N								A325N		A325N	
	0.6250	0 (1)	0.6250	0 (1)	0.6250	0	0.6250	0	0.6250	0	0.6250	0 (1)	0.6250	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.6250	0 (2)	0.6250	0 (2)							0.6250	0 (2)	0.6250	0 (2)
	A325N		A325N								A325N		A325N	
T4 200.00-180.00	0.6250	0 (3)	0.6250	0 (3)							0.6250	0 (3)	0.6250	0 (3)
	A325N		A325N								A325N		A325N	
	0.6250	0 (4)	0.6250	0 (4)							0.6250	0 (4)	0.6250	0 (4)
	A325N		A325N								A325N		A325N	
	0.6250	0 (1)	0.6250	0 (1)	0.6250	0	0.6250	0	0.6250	0	0.6250	0 (1)	0.6250	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.6250	0 (2)	0.6250	0 (2)							0.6250	0 (2)	0.6250	0 (2)
	A325N		A325N								A325N		A325N	
	0.6250	0 (3)	0.6250	0 (3)							0.6250	0 (3)	0.6250	0 (3)
	A325N		A325N								A325N		A325N	
T5 180.00-160.00	0.6250	0 (4)	0.6250	0 (4)							0.6250	0 (4)	0.6250	0 (4)
	A325N		A325N								A325N		A325N	
	0.6250	0 (1)	0.6250	0 (1)	0.6250	0	0.6250	0	0.6250	0	0.6250	0 (1)	0.6250	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.6250	0 (2)	0.6250	0 (2)							0.6250	0 (2)	0.6250	0 (2)
	A325N		A325N								A325N		A325N	
	0.6250	0 (3)	0.6250	0 (3)							0.6250	0 (3)	0.6250	0 (3)
	A325N		A325N								A325N		A325N	
	0.6250	0 (4)	0.6250	0 (4)							0.6250	0 (4)	0.6250	0 (4)
	A325N		A325N								A325N		A325N	
T6 160.00-140.00	0.6250	0 (1)	0.6250	0 (1)	0.6250	0	0.6250	0	0.6250	0	0.6250	0 (1)	0.6250	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.6250	0 (2)	0.6250	0 (2)							0.6250	0 (2)	0.6250	0 (2)
	A325N		A325N								A325N		A325N	
	0.6250	0 (3)	0.6250	0 (3)							0.6250	0 (3)	0.6250	0 (3)
	A325N		A325N								A325N		A325N	
	0.6250	0 (4)	0.6250	0 (4)							0.6250	0 (4)	0.6250	0 (4)
	A325N		A325N								A325N		A325N	
	0.6250	0 (1)	0.6250	0 (1)	0.6250	0	0.6250	0	0.6250	0	0.6250	0 (1)	0.6250	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
T7 140.00-120.00	0.6250	0 (2)	0.6250	0 (2)							0.6250	0 (2)	0.6250	0 (2)
	A325N		A325N								A325N		A325N	
	0.6250	0 (3)	0.6250	0 (3)							0.6250	0 (3)	0.6250	0 (3)
	A325N		A325N								A325N		A325N	
	0.6250	0 (4)	0.6250	0 (4)							0.6250	0 (4)	0.6250	0 (4)
	A325N		A325N								A325N		A325N	
	0.6250	0 (1)	0.6250	0 (1)	0.6250	0	0.6250	0	0.6250	0	0.6250	0 (1)	0.6250	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.6250	0 (2)	0.6250	0 (2)							0.6250	0 (2)	0.6250	0 (2)
	A325N		A325N								A325N		A325N	
T8 120.00-100.00	0.6250	0 (3)	0.6250	0 (3)							0.6250	0 (3)	0.6250	0 (3)
	A325N		A325N								A325N		A325N	
	0.6250	0 (4)	0.6250	0 (4)							0.6250	0 (4)	0.6250	0 (4)
	A325N		A325N								A325N		A325N	
	0.6250	0 (1)	0.6250	0 (1)	0.6250	0	0.6250	0	0.6250	0	0.6250	0 (1)	0.6250	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.6250	0 (2)	0.6250	0 (2)							0.6250	0 (2)	0.6250	0 (2)
	A325N		A325N								A325N		A325N	
	0.6250	0 (3)	0.6250	0 (3)							0.6250	0 (3)	0.6250	0 (3)
	A325N		A325N								A325N		A325N	
T9 100.00-80.00	0.6250	0 (4)	0.6250	0 (4)							0.6250	0 (4)	0.6250	0 (4)
	A325N		A325N								A325N		A325N	
	0.6250	0 (1)	0.6250	0 (1)	0.6250	0	0.6250	0	0.6250	0	0.6250	0 (1)	0.6250	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.6250	0 (2)	0.6250	0 (2)							0.6250	0 (2)	0.6250	0 (2)
	A325N		A325N								A325N		A325N	

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Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal		
	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	
T10 80.00-60.00	0.6250	0 (3)	0.6250	0 (3)							0.6250	0 (3)	0.6250	0 (3)	
	A325N		A325N								A325N		A325N		
	0.6250	0 (4)	0.6250	0 (4)							0.6250	0 (4)	0.6250	0 (4)	
	A325N		A325N								A325N		A325N		
	0.6250	0 (1)	0.6250	0 (1)	0.6250	0	0.6250	0	0.6250	0	0.6250	0 (1)	0.6250	0 (1)	
	A325N		A325N		A325N		A325N		A325N		A325N		A325N		
	0.6250	0 (2)	0.6250	0 (2)							0.6250	0 (2)	0.6250	0 (2)	
	A325N		A325N								A325N		A325N		
T11 60.00-40.00	0.6250	0 (3)	0.6250	0 (3)							0.6250	0 (3)	0.6250	0 (3)	
	A325N		A325N								A325N		A325N		
	0.6250	0 (4)	0.6250	0 (4)							0.6250	0 (4)	0.6250	0 (4)	
	A325N		A325N								A325N		A325N		
	0.6250	1 (1)	0.6250	1 (1)	0.6250	0	0.6250	0	0.6250	0	0.6250	0 (1)	0.6250	0 (1)	
	A325N		A325N		A325N		A325N		A325N		A325N		A325N		
	0.6250	0 (2)	0.6250	0 (2)							0.6250	0 (2)	0.6250	0 (2)	
	A325N		A325N								A325N		A325N		
T12 40.00-20.00	0.6250	0 (3)	0.6250	0 (3)							0.6250	0 (3)	0.6250	0 (3)	
	A325N		A325N								A325N		A325N		
	0.6250	0 (4)	0.6250	0 (4)							0.6250	0 (4)	0.6250	0 (4)	
	A325N		A325N								A325N		A325N		
	0.6250	1 (1)	0.6250	1 (1)	0.6250	0	0.6250	0	0.6250	0	0.6250	0 (1)	0.6250	0 (1)	
	A325N		A325N		A325N		A325N		A325N		A325N		A325N		
	0.6250	0 (2)	0.6250	0 (2)							0.6250	0 (2)	0.6250	0 (2)	
	A325N		A325N								A325N		A325N		
T13 20.00-0.00	0.6250	0 (3)	0.6250	0 (3)							0.6250	0 (3)	0.6250	0 (3)	
	A325N		A325N								A325N		A325N		
	0.6250	0 (3)	0.6250	0 (3)							0.6250	0 (3)	0.6250	0 (3)	
	A325N		A325N								A325N		A325N		
	0.6250	0 (4)	0.6250	0 (4)							0.6250	0 (4)	0.6250	0 (4)	
	A325N		A325N								A325N		A325N		
	0.6250	1 (1)	0.6250	1 (1)	0.6250	0	0.6250	0	0.6250	0	0.6250	0 (1)	0.6250	0 (1)	
	A325N		A325N		A325N		A325N		A325N		A325N		A325N		
	0.6250	0 (2)		0.6250	0 (2)						0.6250	0 (2)		0.6250	0 (2)
	A325N			A325N							A325N			A325N	
	0.6250	0 (3)		0.6250	0 (3)						0.6250	0 (3)		0.6250	0 (3)
	A325N			A325N							A325N			A325N	
	0.6250	0 (4)		0.6250	0 (4)						0.6250	0 (4)		0.6250	0 (4)
	A325N			A325N							A325N			A325N	

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
Feedline Ladder (Af)	A	No	No	Af (CaAa)	250.00 - 10.00	0.0000	0	1	1	3.0000	3.0000		8.40
Feedline	B	No	No	Af (CaAa)	235.00 -	0.0000	0	1	1	3.0000	3.0000		8.40

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Tower Section	Tower Elevation ft	Face	A_R ft ²	A_F ft ²	C_{AA} In Face ft ²	C_{AA} Out Face ft ²	Weight lb
T7	140.00-120.00	B	0.000	0.000	45.640	0.000	315.60
		C	0.000	0.000	1.250	0.000	5.20
		A	0.000	0.000	47.390	0.000	330.00
T8	120.00-100.00	B	0.000	0.000	45.640	0.000	315.60
		C	0.000	0.000	1.250	0.000	5.20
		A	0.000	0.000	47.390	0.000	330.00
T9	100.00-80.00	B	0.000	0.000	45.640	0.000	315.60
		C	0.000	0.000	1.250	0.000	5.20
		A	0.000	0.000	47.390	0.000	330.00
T10	80.00-60.00	B	0.000	0.000	45.640	0.000	315.60
		C	0.000	0.000	1.250	0.000	5.20
		A	0.000	0.000	47.390	0.000	330.00
T11	60.00-40.00	B	0.000	0.000	45.640	0.000	315.60
		C	0.000	0.000	1.250	0.000	5.20
		A	0.000	0.000	47.390	0.000	330.00
T12	40.00-20.00	B	0.000	0.000	45.640	0.000	315.60
		C	0.000	0.000	1.250	0.000	5.20
		A	0.000	0.000	47.390	0.000	330.00
T13	20.00-0.00	B	0.000	0.000	22.820	0.000	157.80
		C	0.000	0.000	0.625	0.000	2.60
		A	0.000	0.000	24.195	0.000	170.00

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	C_{AA} In Face ft ²	C_{AA} Out Face ft ²	Weight lb
T1	255.00-240.00	A	1.835	0.000	0.000	42.947	0.000	741.26
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	6.442	0.000	89.14
T2	240.00-220.00	A	1.821	0.000	0.000	77.428	0.000	1393.42
		B		0.000	0.000	45.830	0.000	925.13
		C		0.000	0.000	8.536	0.000	117.66
T3	220.00-200.00	A	1.805	0.000	0.000	77.118	0.000	1383.07
		B		0.000	0.000	60.929	0.000	1224.91
		C		0.000	0.000	8.470	0.000	116.20
T4	200.00-180.00	A	1.787	0.000	0.000	76.781	0.000	1371.82
		B		0.000	0.000	60.736	0.000	1215.59
		C		0.000	0.000	8.398	0.000	114.61
T5	180.00-160.00	A	1.767	0.000	0.000	76.411	0.000	1359.50
		B		0.000	0.000	60.524	0.000	1205.37
		C		0.000	0.000	8.319	0.000	112.86
T6	160.00-140.00	A	1.745	0.000	0.000	75.999	0.000	1345.83
		B		0.000	0.000	60.288	0.000	1194.05
		C		0.000	0.000	8.231	0.000	110.91
T7	140.00-120.00	A	1.720	0.000	0.000	75.535	0.000	1330.49
		B		0.000	0.000	60.021	0.000	1181.35
		C		0.000	0.000	8.132	0.000	108.72
T8	120.00-100.00	A	1.692	0.000	0.000	75.001	0.000	1312.92
		B		0.000	0.000	59.715	0.000	1166.83
		C		0.000	0.000	8.018	0.000	106.19
T9	100.00-80.00	A	1.658	0.000	0.000	74.371	0.000	1292.32
		B		0.000	0.000	59.355	0.000	1149.81
		C		0.000	0.000	7.883	0.000	103.22
T10	80.00-60.00	A	1.617	0.000	0.000	73.600	0.000	1267.25
		B		0.000	0.000	58.913	0.000	1129.14

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Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	C_{AA} In Face ft ²	C_{AA} Out Face ft ²	Weight lb
T11	60.00-40.00	C	1.564	0.000	0.000	7.719	0.000	99.57
		A		0.000	0.000	72.599	0.000	1234.93
		B		0.000	0.000	58.340	0.000	1102.52
T12	40.00-20.00	C	1.486	0.000	0.000	7.505	0.000	94.83
		A		0.000	0.000	71.142	0.000	1188.42
		B		0.000	0.000	57.506	0.000	1064.33
T13	20.00-0.00	C	1.331	0.000	0.000	7.193	0.000	87.93
		A		0.000	0.000	37.288	0.000	586.48
		B		0.000	0.000	27.926	0.000	495.19
		C		0.000	0.000	3.287	0.000	37.12

Feed Line Center of Pressure

Section	Elevation ft	CP_x in	CP_z in	CP_x Ice in	CP_z Ice in
T1	255.00-240.00	-3.5638	-3.0144	-4.7794	-2.0201
T2	240.00-220.00	-0.9718	-4.4929	-2.3411	-3.4150
T3	220.00-200.00	-0.0834	-5.1730	-1.8120	-4.2293
T4	200.00-180.00	-0.1008	-6.2381	-2.2803	-5.2694
T5	180.00-160.00	-0.1221	-7.4879	-2.7557	-6.3413
T6	160.00-140.00	-0.1341	-8.2689	-3.0419	-7.0436
T7	140.00-120.00	-0.1452	-9.0175	-3.2842	-7.6758
T8	120.00-100.00	-0.1528	-9.5585	-3.5919	-8.5004
T9	100.00-80.00	-0.1512	-9.6086	-3.6510	-8.8159
T10	80.00-60.00	-0.1536	-9.8579	-3.7231	-9.1781
T11	60.00-40.00	-0.1698	-10.8431	-3.9644	-9.9560
T12	40.00-20.00	-0.1773	-11.3644	-4.0155	-10.4479
T13	20.00-0.00	-0.1166	-7.1033	-2.2199	-7.8247

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T1	2	Safety Line 3/8	240.00 - 255.00	0.6000	0.5427
T1	3	SO Cord - 5/8"	240.00 - 255.00	0.6000	0.5427
T1	4	1/2" Ground	240.00 - 255.00	0.6000	0.5427
T1	5	Feedline Ladder (Af)	240.00 - 250.00	0.6000	0.5427
T1	9	LDF7-50A (1-5/8 FOAM)	240.00 - 250.00	0.6000	0.5427
T2	2	Safety Line 3/8	220.00 - 240.00	0.6000	0.5314
T2	3	SO Cord - 5/8"	220.00 - 240.00	0.6000	0.5314
T2	4	1/2" Ground	220.00 - 240.00	0.6000	0.5314
T2	5	Feedline Ladder (Af)	220.00 -	0.6000	0.5314

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
			240.00		
T2	6	Feedline Ladder (Af)	220.00 - 235.00	0.6000	0.5314
T2	9	LDF7-50A (1-5/8 FOAM)	220.00 - 240.00	0.6000	0.5314
T2	10	LDF7-50A (1-5/8 FOAM)	220.00 - 235.00	0.6000	0.5314
T3	2	Safety Line 3/8	200.00 - 220.00	0.6000	0.5710
T3	3	SO Cord - 5/8"	200.00 - 220.00	0.6000	0.5710
T3	4	1/2" Ground	200.00 - 220.00	0.6000	0.5710
T3	5	Feedline Ladder (Af)	200.00 - 220.00	0.6000	0.5710
T3	6	Feedline Ladder (Af)	200.00 - 220.00	0.6000	0.5710
T3	9	LDF7-50A (1-5/8 FOAM)	200.00 - 220.00	0.6000	0.5710
T3	10	LDF7-50A (1-5/8 FOAM)	200.00 - 220.00	0.6000	0.5710
T4	2	Safety Line 3/8	180.00 - 200.00	0.6000	0.6000
T4	3	SO Cord - 5/8"	180.00 - 200.00	0.6000	0.6000
T4	4	1/2" Ground	180.00 - 200.00	0.6000	0.6000
T4	5	Feedline Ladder (Af)	180.00 - 200.00	0.6000	0.6000
T4	6	Feedline Ladder (Af)	180.00 - 200.00	0.6000	0.6000
T4	9	LDF7-50A (1-5/8 FOAM)	180.00 - 200.00	0.6000	0.6000
T4	10	LDF7-50A (1-5/8 FOAM)	180.00 - 200.00	0.6000	0.6000
T5	2	Safety Line 3/8	160.00 - 180.00	0.6000	0.6000
T5	3	SO Cord - 5/8"	160.00 - 180.00	0.6000	0.6000
T5	4	1/2" Ground	160.00 - 180.00	0.6000	0.6000
T5	5	Feedline Ladder (Af)	160.00 - 180.00	0.6000	0.6000
T5	6	Feedline Ladder (Af)	160.00 - 180.00	0.6000	0.6000
T5	9	LDF7-50A (1-5/8 FOAM)	160.00 - 180.00	0.6000	0.6000
T5	10	LDF7-50A (1-5/8 FOAM)	160.00 - 180.00	0.6000	0.6000
T6	2	Safety Line 3/8	140.00 - 160.00	0.6000	0.6000
T6	3	SO Cord - 5/8"	140.00 - 160.00	0.6000	0.6000
T6	4	1/2" Ground	140.00 - 160.00	0.6000	0.6000
T6	5	Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T6	6	Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T6	9	LDF7-50A (1-5/8 FOAM)	140.00 - 160.00	0.6000	0.6000
T6	10	LDF7-50A (1-5/8 FOAM)	140.00 - 160.00	0.6000	0.6000

inxTower

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_o No Ice	K_o Ice
			160.00		
T7	2	Safety Line 3/8	120.00 -	0.6000	0.6000
			140.00		
T7	3	SO Cord - 5/8"	120.00 -	0.6000	0.6000
			140.00		
T7	4	1/2" Ground	120.00 -	0.6000	0.6000
			140.00		
T7	5	Feedline Ladder (Af)	120.00 -	0.6000	0.6000
			140.00		
T7	6	Feedline Ladder (Af)	120.00 -	0.6000	0.6000
			140.00		
T7	9	LDF7-50A (1-5/8 FOAM)	120.00 -	0.6000	0.6000
			140.00		
T7	10	LDF7-50A (1-5/8 FOAM)	120.00 -	0.6000	0.6000
			140.00		
T8	2	Safety Line 3/8	100.00 -	0.6000	0.6000
			120.00		
T8	3	SO Cord - 5/8"	100.00 -	0.6000	0.6000
			120.00		
T8	4	1/2" Ground	100.00 -	0.6000	0.6000
			120.00		
T8	5	Feedline Ladder (Af)	100.00 -	0.6000	0.6000
			120.00		
T8	6	Feedline Ladder (Af)	100.00 -	0.6000	0.6000
			120.00		
T8	9	LDF7-50A (1-5/8 FOAM)	100.00 -	0.6000	0.6000
			120.00		
T8	10	LDF7-50A (1-5/8 FOAM)	100.00 -	0.6000	0.6000
			120.00		
T9	2	Safety Line 3/8	80.00 - 100.00	0.6000	0.6000
T9	3	SO Cord - 5/8"	80.00 - 100.00	0.6000	0.6000
T9	4	1/2" Ground	80.00 - 100.00	0.6000	0.6000
T9	5	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T9	6	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T9	9	LDF7-50A (1-5/8 FOAM)	80.00 - 100.00	0.6000	0.6000
T9	10	LDF7-50A (1-5/8 FOAM)	80.00 - 100.00	0.6000	0.6000
T10	2	Safety Line 3/8	60.00 - 80.00	0.6000	0.6000
T10	3	SO Cord - 5/8"	60.00 - 80.00	0.6000	0.6000
T10	4	1/2" Ground	60.00 - 80.00	0.6000	0.6000
T10	5	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T10	6	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T10	9	LDF7-50A (1-5/8 FOAM)	60.00 - 80.00	0.6000	0.6000
T10	10	LDF7-50A (1-5/8 FOAM)	60.00 - 80.00	0.6000	0.6000
T11	2	Safety Line 3/8	40.00 - 60.00	0.6000	0.6000
T11	3	SO Cord - 5/8"	40.00 - 60.00	0.6000	0.6000
T11	4	1/2" Ground	40.00 - 60.00	0.6000	0.6000
T11	5	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T11	6	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T11	9	LDF7-50A (1-5/8 FOAM)	40.00 - 60.00	0.6000	0.6000
T11	10	LDF7-50A (1-5/8 FOAM)	40.00 - 60.00	0.6000	0.6000
T12	2	Safety Line 3/8	20.00 - 40.00	0.6000	0.6000
T12	3	SO Cord - 5/8"	20.00 - 40.00	0.6000	0.6000
T12	4	1/2" Ground	20.00 - 40.00	0.6000	0.6000
T12	5	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T12	6	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T12	9	LDF7-50A (1-5/8 FOAM)	20.00 - 40.00	0.6000	0.6000
T12	10	LDF7-50A (1-5/8 FOAM)	20.00 - 40.00	0.6000	0.6000
T13	2	Safety Line 3/8	10.00 - 20.00	0.6000	0.6000
T13	3	SO Cord - 5/8"	10.00 - 20.00	0.6000	0.6000
T13	4	1/2" Ground	0.00 - 20.00	0.6000	0.6000
T13	5	Feedline Ladder (Af)	10.00 - 20.00	0.6000	0.6000
T13	6	Feedline Ladder (Af)	10.00 - 20.00	0.6000	0.6000

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T13	9	LDF7-50A (1-5/8 FOAM)	10.00 - 20.00	0.6000	0.6000
T13	10	LDF7-50A (1-5/8 FOAM)	10.00 - 20.00	0.6000	0.6000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C_{AA} Front ft ²	C_{AA} Side ft ²	Weight lb
Lightning Rod	C	None		0.0000	255.00	No Ice 1.00 1/2" Ice 1.30 1" Ice 1.60 2" Ice 2.20	1.00 1.30 1.60 2.20	10.00 13.00 16.00 22.00
L-864 Beacon	C	None		0.0000	255.00	No Ice 2.00 1/2" Ice 2.60 1" Ice 3.20 2" Ice 4.40	2.00 2.60 3.20 4.40	28.00 36.00 44.00 60.00
L-810 Side Light	A	From Leg	0.50 0.00 0.00	0.0000	130.00	No Ice 0.20 1/2" Ice 0.28 1" Ice 0.36 2" Ice 0.56	0.20 0.28 0.36 0.56	3.00 6.00 10.00 22.00
L-810 Side Light	B	From Leg	0.50 0.00 0.00	0.0000	130.00	No Ice 0.20 1/2" Ice 0.28 1" Ice 0.36 2" Ice 0.56	0.20 0.28 0.36 0.56	3.00 6.00 10.00 22.00
L-810 Side Light	C	From Leg	0.50 0.00 0.00	0.0000	130.00	No Ice 0.20 1/2" Ice 0.28 1" Ice 0.36 2" Ice 0.56	0.20 0.28 0.36 0.56	3.00 6.00 10.00 22.00

40,000 sqin EPA(A) Carrier (6,000 lbs)	C	None		0.0000	250.00	No Ice 278.00 1/2" Ice 334.00 1" Ice 400.00 2" Ice 480.00	278.00 334.00 400.00 480.00	6000.00 7800.00 10140.00 13182.00
30,000 sqin EPA(A) Carrier (4,000 lbs)	C	None		0.0000	235.00	No Ice 209.00 1/2" Ice 250.00 1" Ice 300.00 2" Ice 360.00	209.00 250.00 300.00 360.00	4000.00 5200.00 6760.00 8788.00

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice

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Comb. No.	Description
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	255 - 240	13.038	43	0.5735	0.0413
T2	240 - 220	11.226	43	0.5614	0.0408
T3	220 - 200	8.946	43	0.4858	0.0377
T4	200 - 180	7.058	43	0.4023	0.0329
T5	180 - 160	5.508	43	0.3256	0.0282
T6	160 - 140	4.237	43	0.2671	0.0236

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Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T7	140 - 120	3.178	43	0.2216	0.0188
T8	120 - 100	2.293	43	0.1791	0.0137
T9	100 - 80	1.582	43	0.1443	0.0105
T10	80 - 60	1.014	43	0.1109	0.0079
T11	60 - 40	0.577	43	0.0788	0.0053
T12	40 - 20	0.274	43	0.0519	0.0034
T13	20 - 0	0.073	43	0.0254	0.0016

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
255.00	Lightning Rod	43	13.038	0.5735	0.0413	146448
250.00	40,000 sqin EPA(A) Carrier (6,000 lbs)	43	12.431	0.5724	0.0413	146448
235.00	30,000 sqin EPA(A) Carrier (4,000 lbs)	43	10.632	0.5477	0.0403	24627
130.00	L-810 Side Light	43	2.714	0.1997	0.0161	27520

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	255 - 240	40.051	10	1.7632	0.1271
T2	240 - 220	34.479	10	1.7258	0.1255
T3	220 - 200	27.472	10	1.4931	0.1158
T4	200 - 180	21.673	10	1.2360	0.1011
T5	180 - 160	16.910	10	1.0002	0.0866
T6	160 - 140	13.008	10	0.8206	0.0725
T7	140 - 120	9.756	10	0.6805	0.0576
T8	120 - 100	7.039	10	0.5502	0.0419
T9	100 - 80	4.855	10	0.4432	0.0322
T10	80 - 60	3.113	10	0.3407	0.0243
T11	60 - 40	1.772	11	0.2422	0.0162
T12	40 - 20	0.839	11	0.1594	0.0103
T13	20 - 0	0.224	11	0.0780	0.0050

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
255.00	Lightning Rod	10	40.051	1.7632	0.1271	47810
250.00	40,000 sqin EPA(A) Carrier (6,000 lbs)	10	38.185	1.7598	0.1269	47810
235.00	30,000 sqin EPA(A) Carrier (4,000 lbs)	10	32.653	1.6837	0.1239	8050

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Elevation	Appurtenance	Gov. Load Comb.	Deflection	Tilt	Twist	Radius of Curvature
ft			in	°	°	ft
130.00	L-810 Side Light	10	8.330	0.6134	0.0494	8954

Bolt Design Data

Section No.	Elevation	Component Type	Bolt Grade	Bolt Size	Number Of Bolts	Maximum Load per Bolt lb	Allowable Load per Bolt lb	Ratio Load Allowable	Allowable Ratio	Criteria	
	ft			in							
T1	255	Leg	A325N	0.7500	4	4247.14	30101.40	0.141	✓	1	Bolt Tension
		Diagonal	A325N	0.5000	1	4807.10	8835.73	0.544	✓	1	Bolt Shear
T2	240	Leg	A325N	0.7500	4	22633.10	30101.40	0.752	✓	1	Bolt Tension
		Diagonal	A325N	0.5000	1	8136.34	8835.73	0.921	✓	1	Bolt Shear
T3	220	Leg	A325N	1.0000	4	33156.00	54517.00	0.608	✓	1	Bolt Tension
		Diagonal	A325N	0.5000	1	4208.32	8835.73	0.476	✓	1	Bolt Shear
T4	200	Leg	A325N	1.0000	4	39444.10	54517.00	0.724	✓	1	Bolt Tension
		Diagonal	A325N	0.5000	1	3176.75	8835.73	0.360	✓	1	Bolt Shear
T5	180	Leg	A325N	1.0000	4	44396.80	54517.00	0.814	✓	1	Bolt Tension
		Diagonal	A325N	0.5000	1	3289.50	8835.73	0.372	✓	1	Bolt Shear
T6	160	Leg	A325N	1.0000	4	48896.40	54517.00	0.897	✓	1	Bolt Tension
		Diagonal	A325N	0.5000	1	3541.64	8835.73	0.401	✓	1	Bolt Shear
T7	140	Leg	A325N	1.0000	4	53136.20	54517.00	0.975	✓	1	Bolt Tension
		Diagonal	A325N	0.5000	1	3949.27	8835.73	0.447	✓	1	Bolt Shear
T8	120	Leg	A325N	1.0000	6	37771.80	54517.00	0.693	✓	1	Bolt Tension
		Diagonal	A325N	0.5000	1	5107.13	8835.73	0.578	✓	1	Bolt Shear
		Horizontal	A325N	0.5000	1	4845.42	8835.73	0.548	✓	1	Bolt Shear
T9	100	Leg	A325N	1.0000	6	40422.60	54517.00	0.741	✓	1	Bolt Tension
		Diagonal	A325N	0.5000	1	5598.48	8835.73	0.634	✓	1	Bolt Shear
		Horizontal	A325N	0.5000	1	5228.20	8835.73	0.592	✓	1	Bolt Shear
T10	80	Leg	A325N	1.0000	6	43067.30	54517.00	0.790	✓	1	Bolt Tension
		Diagonal	A325N	0.5000	1	6271.50	8835.73	0.710	✓	1	Bolt Shear
		Horizontal	A325N	0.5000	1	5616.81	8835.73	0.636	✓	1	Bolt Shear
T11	60	Leg	A325N	1.0000	6	44706.30	54517.00	0.820	✓	1	Bolt Tension
		Diagonal	A325N	0.6250	1	8947.34	13805.80	0.648	✓	1	Bolt Shear
		Horizontal	A325N	0.6250	1	5605.50	13805.80	0.406	✓	1	Bolt Shear
		Redund Horz 1 Bracing	A325N	0.6250	1	5605.50	8775.00	0.639	✓	1	Member Bearing
		Redund Diag 1 Bracing	A325N	0.6250	1	3925.09	8775.00	0.447	✓	1	Member Bearing
T12	40	Leg	A325N	1.0000	6	47522.70	54517.00	0.872	✓	1	Bolt Tension
		Diagonal	A325N	0.6250	1	8329.58	13805.80	0.603	✓	1	Bolt Shear
		Horizontal	A325N	0.6250	1	6019.77	13805.80	0.436	✓	1	Bolt Shear
		Redund Horz 1	A325N	0.6250	1	6019.77	8775.00	0.686	✓	1	Member Bearing

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Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt lb	Allowable Load per Bolt lb	Ratio Load Allowable	Allowable Ratio	Criteria	
T13	20	Bracing Redund Diag 1	A325N	0.6250	1	4051.43	8775.00	0.462	✓	1	Member Bearing
		Bracing Leg	F1554-105	1.5000	6	49887.10	131742.00	0.379	✓	1	Bolt Tension
		Diagonal	A325N	0.6250	1	9060.40	13805.80	0.656	✓	1	Bolt Shear
		Horizontal	A325N	0.6250	1	6355.72	13805.80	0.460	✓	1	Bolt Shear
		Redund Horz 1	A325N	0.6250	1	6355.72	8775.00	0.724	✓	1	Member Bearing
		Bracing Redund Diag 1	A325N	0.6250	1	4138.09	8775.00	0.472	✓	1	Member Bearing

Compression Checks

Leg Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u lb	φP _n lb	Ratio P _u / φP _n
T1	255 - 240	1 3/4	15.00	5.00	137.1 K=1.00	2.4053	-21716.10	28890.80	0.752 ¹ ✓
T2	240 - 220	2 1/4	20.00	4.00	85.3 K=1.00	3.9761	-99849.00	105060.00	0.950 ¹ ✓
T3	220 - 200	2 3/4	20.03	4.01	69.9 K=1.00	5.9396	-144778.00	186923.00	0.775 ¹ ✓
T4	200 - 180	2 3/4	20.03	4.01	69.9 K=1.00	5.9396	-172701.00	186923.00	0.924 ¹ ✓
T5	180 - 160	3	20.03	5.01	80.1 K=1.00	7.0686	-195354.00	198902.00	0.982 ¹ ✓
T6	160 - 140	3 1/4	20.03	5.01	74.0 K=1.00	8.2958	-216640.00	250223.00	0.866 ¹ ✓
T7	140 - 120	3 1/4	20.03	5.01	74.0 K=1.00	8.2958	-237067.00	250223.00	0.947 ¹ ✓
T8	120 - 100	3 1/2	20.03	5.01	68.7 K=1.00	9.6211	-254811.00	306641.00	0.831 ¹ ✓
T9	100 - 80	3 1/2	20.03	5.01	68.7 K=1.00	9.6211	-274941.00	306641.00	0.897 ¹ ✓
T10	80 - 60	3 1/2	20.03	5.01	68.7 K=1.00	9.6211	-295376.00	306641.00	0.963 ¹ ✓
T11	60 - 40	3 3/4	20.03	5.01	64.1 K=1.00	11.0447	-309126.00	368015.00	0.840 ¹ ✓
T12	40 - 20	3 3/4	20.03	5.01	64.1 K=1.00	11.0447	-331971.00	368015.00	0.902 ¹ ✓
T13	20 - 0	3 3/4	20.03	5.01	64.1 K=1.00	11.0447	-350498.00	368015.00	0.952 ¹ ✓

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¹ $P_u / \phi P_n$ controls

Diagonal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in ²	P_u lb	ϕP_n lb	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 240	L2x2x3/16	6.73	3.11	101.0 K=1.07	0.7150	-4802.52	19820.60	0.242 ¹ ✓
T2	240 - 220	L2x2x3/16	6.02	2.74	92.6 K=1.11	0.7150	-8136.34	22371.10	0.364 ¹ ✓
T3	220 - 200	L2x2x3/16	6.17	2.94	97.1 K=1.09	0.7150	-4208.32	21038.40	0.200 ¹ ✓
T4	200 - 180	L2x2x3/16	9.21	4.45	135.4 K=1.00	0.7150	-3057.03	11165.10	0.274 ¹ ✓
T5	180 - 160	L2x2x3/16	11.41	5.56	169.2 K=1.00	0.7150	-3289.50	7144.49	0.460 ¹ ✓
T6	160 - 140	L2x2x3/16	13.23	6.46	196.7 K=1.00	0.7150	-3541.64	5288.34	0.670 ¹ ✓
T7	140 - 120	L2x2x3/16	15.10	7.39	225.2 K=1.00	0.7150	-3815.90	4034.91	0.946 ¹ ✓
T8	120 - 100	KL/R > 200 (C) - 186 L2 1/2x2 1/2x3/16	9.65	9.19	222.7 K=1.00	0.9020	-4727.13	5206.19	0.908 ¹ ✓
T9	100 - 80	KL/R > 200 (C) - 212 L3x3x3/16	10.52	10.06	202.5 K=1.00	1.0900	-5132.90	7606.67	0.675 ¹ ✓
T10	80 - 60	KL/R > 200 (C) - 251 L3x3x3/16	10.96	10.50	211.5 K=1.00	1.0900	-6271.50	6974.57	0.899 ¹ ✓
T11	60 - 40	KL/R > 200 (C) - 308 L3x3x1/4	15.05	14.55	187.8 K=1.00	1.4400	-8947.34	11686.80	0.766 ¹ ✓
T12	40 - 20	L3x3x1/4	15.82	15.32	197.7 K=1.00	1.4400	-7544.44	10543.80	0.716 ¹ ✓
T13	20 - 0	L3x3x1/4	16.60	16.12	207.9 K=1.00	1.4400	-9060.40	9532.20	0.951 ¹ ✓
		KL/R > 200 (C) - 423							

¹ $P_u / \phi P_n$ controls

Horizontal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in ²	P_u lb	ϕP_n lb	Ratio $\frac{P_u}{\phi P_n}$
T8	120 - 100	L2 1/2x2 1/2x3/16	16.00	7.71	186.9 K=1.00	0.9020	-4845.42	7393.18	0.655 ¹ ✓
T9	100 - 80	L2 1/2x2 1/2x3/16	18.00	8.71	211.1 K=1.00	0.9020	-5228.20	5792.71	0.903 ¹ ✓

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T10	80 - 60	L3x3x3/16	20.00	9.71	195.5 K=1.00	1.0900	-5616.81	8165.16	0.688 ¹ ✓
T11	60 - 40	L3x3x1/4	21.50	10.45	211.8 K=1.00	1.4400	-5605.50	9189.29	0.610 ¹ ✓
T12	40 - 20	L3x3x1/4	23.50	11.45	232.1 K=1.00	1.4400	-6019.77	7654.00	0.786 ¹ ✓
T13	20 - 0	L3x3x1/4	25.50	12.45	252.3 K=1.00	1.4400	-6355.72	6473.63	0.982 ¹ ✓

KL/R > 250 (C) - 415

¹ P_u / φP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 240	L1 3/4x1 3/4x3/16	4.50	4.35	139.8 K=0.92	0.6211	-1007.19	9100.74	0.111 ¹ ✓

¹ P_u / φP_n controls

Redundant Horizontal (1) Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T11	60 - 40	L2 1/2x2 1/2x3/16	5.38	4.98	120.7 K=1.00	0.9020	-5605.50	17719.00	0.316 ¹ ✓
T12	40 - 20	L2 1/2x2 1/2x3/16	5.88	5.48	132.8 K=1.00	0.9020	-6019.77	14632.70	0.411 ¹ ✓
T13	20 - 0	L2 1/2x2 1/2x3/16	6.38	5.98	144.9 K=1.00	0.9020	-6355.72	12287.70	0.517 ¹ ✓

¹ P_u / φP_n controls

Redundant Diagonal (1) Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T11	60 - 40	L2 1/2x2 1/2x3/16	7.53	7.07	171.4 K=1.00	0.9020	-3925.09	8789.60	0.447 ¹ ✓
T12	40 - 20	L2 1/2x2 1/2x3/16	7.91	7.46	180.8	0.9020	-4051.43	7894.88	0.513 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	KL/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T13	20 - 0	L2 1/2x2 1/2x3/16	8.30	7.86	K=1.00 190.5 K=1.00	0.9020	-4138.09	7110.56	0.582 ¹ ✓ ✓

¹ P_u / φP_n controls

Inner Bracing Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	KL/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T8	120 - 100	L2x2x3/16	8.00	8.00	243.7 K=1.00	0.7150	-9.24	3447.10	0.003 ¹ ✓
T9	100 - 80	L2x2x3/16	9.00	9.00	274.1 K=1.00	0.7150	-10.76	2723.63	0.004 ¹ ✓
T10	80 - 60	KL/R > 250 (C) - 256 L2x2x3/16	10.00	10.00	304.6 K=1.00	0.7150	-11.93	2206.14	0.005 ¹ ✓
T11	60 - 40	KL/R > 250 (C) - 295 L2x2x3/16	10.75	10.75	327.4 K=1.00	0.7150	-17.55	1909.05	0.009 ¹ ✓
T12	40 - 20	KL/R > 250 (C) - 346 L2x2x3/16	11.75	11.75	357.9 K=1.00	0.7150	-17.81	1597.93	0.011 ¹ ✓
T13	20 - 0	KL/R > 250 (C) - 391 L2x2x3/16	12.75	12.75	388.3 K=1.00	0.7150	-16.99	1357.10	0.013 ¹ ✓
		KL/R > 250 (C) - 437							✓

¹ P_u / φP_n controls

Tension Checks

Leg Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	KL/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 240	1 3/4	15.00	5.00	137.1	2.4053	16988.60	108238.00	0.157 ¹ ✓
T2	240 - 220	2 1/4	20.00	4.00	85.3	3.9761	90532.40	178924.00	0.506 ¹ ✓
T3	220 - 200	2 3/4	20.03	4.01	69.9	5.9396	132624.00	267281.00	0.496 ¹ ✓
T4	200 - 180	2 3/4	20.03	4.01	69.9	5.9396	157776.00	267281.00	0.590 ¹ ✓

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T5	180 - 160	3	20.03	5.01	80.1	7.0686	177587.00	318086.00	0.558 ¹
T6	160 - 140	3 1/4	20.03	5.01	74.0	8.2958	195585.00	373310.00	0.524 ¹
T7	140 - 120	3 1/4	20.03	5.01	74.0	8.2958	212545.00	373310.00	0.569 ¹
T8	120 - 100	3 1/2	20.03	5.01	68.7	9.6211	226822.00	432951.00	0.524 ¹
T9	100 - 80	3 1/2	20.03	5.01	68.7	9.6211	242728.00	432951.00	0.561 ¹
T10	80 - 60	3 1/2	20.03	5.01	68.7	9.6211	258614.00	432951.00	0.597 ¹
T11	60 - 40	3 3/4	20.03	5.01	64.1	11.0447	268972.00	497010.00	0.541 ¹
T12	40 - 20	3 3/4	20.03	5.01	64.1	11.0447	285836.00	497010.00	0.575 ¹
T13	20 - 0	3 3/4	20.03	5.01	64.1	11.0447	299767.00	497010.00	0.603 ¹

¹ P_u / φP_n controls

Diagonal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 240	L2x2x3/16	6.73	3.11	63.3	0.4484	4807.10	21857.50	0.220 ¹
T2	240 - 220	L2x2x3/16	6.02	2.74	56.1	0.4484	7786.20	21857.50	0.356 ¹
T3	220 - 200	L2x2x3/16	6.17	2.94	59.9	0.4484	3858.76	21857.50	0.177 ¹
T4	200 - 180	L2x2x3/16	7.80	3.75	75.7	0.4484	3068.52	21857.50	0.140 ¹
T5	180 - 160	L2x2x3/16	11.41	5.56	110.9	0.4484	3137.61	21857.50	0.144 ¹
T6	160 - 140	L2x2x3/16	13.23	6.46	128.5	0.4484	3400.32	21857.50	0.156 ¹
T7	140 - 120	L2x2x3/16	15.10	7.39	146.6	0.4484	3918.48	21857.50	0.179 ¹
T8	120 - 100	L2 1/2x2 1/2x3/16	9.22	8.76	139.6	0.5886	4809.78	28694.70	0.168 ¹
T9	100 - 80	L3x3x3/16	10.08	9.62	126.7	0.7296	5314.93	35568.50	0.149 ¹
T10	80 - 60	L3x3x3/16	10.96	10.50	138.0	0.7296	5942.31	35568.50	0.167 ¹
T11	60 - 40	L3x3x1/4	15.05	14.55	191.6	0.9394	7863.18	45794.50	0.172 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T12	40 - 20	L3x3x1/4	15.05	14.56	191.7	0.9394	8329.58	45794.50	0.182 ¹
T13	20 - 0	L3x3x1/4	16.60	16.12	211.7	0.9394	7732.66	45794.50	0.169 ¹

¹ P_u / φP_n controls

Horizontal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T8	120 - 100	L2 1/2x2 1/2x3/16	16.00	7.71	121.1	0.5886	4845.42	28694.70	0.169 ¹
T9	100 - 80	L2 1/2x2 1/2x3/16	18.00	8.71	136.6	0.5886	5228.20	28694.70	0.182 ¹
T10	80 - 60	L3x3x3/16	20.00	9.71	125.9	0.7296	5616.81	35568.50	0.158 ¹
T11	60 - 40	L3x3x1/4	21.50	10.45	136.7	0.9394	5605.50	45794.50	0.122 ¹
T12	40 - 20	L3x3x1/4	23.50	11.45	149.6	0.9394	6019.77	45794.50	0.131 ¹
T13	20 - 0	L3x3x1/4	25.50	12.45	162.5	0.9394	6355.72	45794.50	0.139 ¹

¹ P_u / φP_n controls

Top Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 240	L1 3/4x1 3/4x3/16	4.50	4.35	97.3	0.4658	927.81	22708.70	0.041 ¹

¹ P_u / φP_n controls

Redundant Horizontal (1) Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T11	60 - 40	L2 1/2x2 1/2x3/16	5.38	4.98	80.5	0.5710	5605.50	27837.80	0.201 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T12	40 - 20	L2 1/2x2 1/2x3/16	5.88	5.48	88.2	0.5710	6019.77	27837.80	0.216 ¹
T13	20 - 0	L2 1/2x2 1/2x3/16	6.38	5.98	95.9	0.5710	6355.72	27837.80	0.228 ¹

¹ P_u / φP_n controls

Redundant Diagonal (1) Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T11	60 - 40	L2 1/2x2 1/2x3/16	7.53	7.07	112.7	0.5710	3925.09	27837.80	0.141 ¹
T12	40 - 20	L2 1/2x2 1/2x3/16	7.91	7.46	118.8	0.5710	4051.43	27837.80	0.146 ¹
T13	20 - 0	L2 1/2x2 1/2x3/16	8.30	7.86	124.9	0.5710	4138.09	27837.80	0.149 ¹

¹ P_u / φP_n controls

Inner Bracing Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u lb	φP _n lb	Ratio $\frac{P_u}{\phi P_n}$
T10	80 - 60	L2x2x3/16	9.50	9.50	184.8	0.7150	0.71	32175.00	0.000 ¹
T13	20 - 0	L2x2x3/16	12.75	12.75	248.0	0.7150	1.26	32175.00	0.000 ¹

¹ P_u / φP_n controls

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	φP _{allow} lb	% Capacity	Pass Fail
T1	255 - 240	Leg	1 3/4	2	-21716.10	28890.80	75.2	Pass
		Diagonal	L2x2x3/16	11	-4802.52	19820.60	24.2	Pass
T2	240 - 220	Top Girt	L1 3/4x1 3/4x3/16	5	-1007.19	9100.74	11.1	Pass
		Leg	2 1/4	26	-99849.00	105060.00	95.0	Pass
		Diagonal	L2x2x3/16	32	-8136.34	22371.10	36.4	Pass

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Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	θP_{allow} lb	% Capacity	Pass Fail	
							92.1 (b)		
T3	220 - 200	Leg	2 3/4	59	-144778.00	186923.00	77.5	Pass	
		Diagonal	L2x2x3/16	90	-4208.32	21038.40	20.0	Pass	
							47.6 (b)		
T4	200 - 180	Leg	2 3/4	92	-172701.00	186923.00	92.4	Pass	
		Diagonal	L2x2x3/16	99	-3057.03	11165.10	27.4	Pass	
							36.0 (b)		
T5	180 - 160	Leg	3	125	-195354.00	198902.00	98.2	Pass	
		Diagonal	L2x2x3/16	129	-3289.50	7144.49	46.0	Pass	
T6	160 - 140	Leg	3 1/4	152	-216640.00	250223.00	86.6	Pass	
		Diagonal	L2x2x3/16	156	-3541.64	5288.34	67.0	Pass	
T7	140 - 120	Leg	3 1/4	179	-237067.00	250223.00	94.7	Pass	
		Diagonal	L2x2x3/16	186	-3815.90	4034.91	94.6	Pass	
T8	120 - 100	Leg	3 1/2	206	-254811.00	306641.00	83.1	Pass	
		Diagonal	L2 1/2x2 1/2x3/16	212	-4727.13	5206.19	90.8	Pass	
		Horizontal	L2 1/2x2 1/2x3/16	208	-4845.42	7393.18	65.5	Pass	
		Inner Bracing	L2x2x3/16	219	-9.23	3447.10	0.5	Pass	
T9	100 - 80	Leg	3 1/2	245	-274941.00	306641.00	89.7	Pass	
		Diagonal	L3x3x3/16	251	-5132.90	7606.67	67.5	Pass	
		Horizontal	L2 1/2x2 1/2x3/16	250	-5228.20	5792.71	90.3	Pass	
		Inner Bracing	L2x2x3/16	258	-10.76	2723.63	0.5	Pass	
T10	80 - 60	Leg	3 1/2	284	-295376.00	306641.00	96.3	Pass	
		Diagonal	L3x3x3/16	308	-6271.50	6974.57	89.9	Pass	
		Horizontal	L3x3x3/16	286	-5616.81	8165.16	68.8	Pass	
		Inner Bracing	L2x2x3/16	296	-11.87	2206.14	0.6	Pass	
T11	60 - 40	Leg	3 3/4	323	-309126.00	368015.00	84.0	Pass	
		Diagonal	L3x3x1/4	333	-8947.34	11686.80	76.6	Pass	
		Horizontal	L3x3x1/4	332	-5605.50	9189.29	61.0	Pass	
		Redund Horiz 1 Bracing	L2 1/2x2 1/2x3/16	330	-5605.50	17719.00	31.6	Pass	
		Redund Diag 1 Bracing	L2 1/2x2 1/2x3/16	354	-3925.09	8789.60	44.7 (b)	Pass	
		Inner Bracing	L2x2x3/16	346	-17.55	1909.05	0.9	Pass	
T12	40 - 20	Leg	3 3/4	368	-331971.00	368015.00	90.2	Pass	
		Diagonal	L3x3x1/4	378	-7544.44	10543.80	71.6	Pass	
		Horizontal	L3x3x1/4	370	-6019.77	7654.00	78.6	Pass	
		Redund Horiz 1 Bracing	L2 1/2x2 1/2x3/16	375	-6019.77	14632.70	41.1	Pass	
		Redund Diag 1 Bracing	L2 1/2x2 1/2x3/16	399	-4051.43	7894.88	51.3	Pass	
		Inner Bracing	L2x2x3/16	391	-17.81	1597.93	1.1	Pass	
T13	20 - 0	Leg	3 3/4	413	-350498.00	368015.00	95.2	Pass	
		Diagonal	L3x3x1/4	423	-9060.40	9532.20	95.1	Pass	
		Horizontal	L3x3x1/4	415	-6355.72	6473.63	98.2	Pass	
		Redund Horiz 1 Bracing	L2 1/2x2 1/2x3/16	424	-6355.72	12287.70	51.7	Pass	
		Redund Diag 1 Bracing	L2 1/2x2 1/2x3/16	444	-4138.09	7110.56	58.2	Pass	
		Inner Bracing	L2x2x3/16	437	-16.99	1357.10	1.3	Pass	
							Summary		
							Leg (T5)	98.2	Pass
							Diagonal (T13)	95.1	Pass
							Horizontal (T13)	98.2	Pass
							Top Girt (T1)	11.1	Pass
							Redund Horiz 1	72.4	Pass

tnxTower C.A.S.E., Inc. P.O. Box 4825 Lafayette, Louisiana 70502 Phone: 337-232-3336 FAX: mgranberry@casengr.com	Job	58779 Final Design Rev 0	Page	29 of 29
	Project	255' SST WS-000151 Allendale Site, KY	Date	14:16:36 09/19/24
	Client	WhiteRock Holdings	Designed by	MJG

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	ϕP_{allow} lb	% Capacity	Pass Fail
						Bracing (T13)		
						Redund	58.2	Pass
						Diag 1		
						Bracing (T13)		
						Inner	1.3	Pass
						Bracing (T13)		
						Bolt Checks	97.5	Pass
						RATING =	98.2	Pass

Program Version 8.2.4.3 - 1/24/2024 File:S:/Jobs/2024/24286 (58779, 255' SST Whiterock Holdings-WS000151 Allendale Site, KY)/Final/Calculations/Tower/58779, 255' SST WhiteRock Holdings-WS-000151 Allendale Site, KY Rev 0.eri

FOUNDATION DESIGN

Foundation Design

Mat Footing

Design Parameters:

Tower Info:

$FaceWidth := 26.5 \text{ ft}$

$V_T := 49825 \text{ lbf}$

$C_T := 62772 \text{ lbf}$

$M_T := 7793885 \text{ lbf}\cdot\text{ft}$

$C_{Leg} := 360362 \text{ lbf}$

$T_{Leg} := 307422 \text{ lbf}$

$V_{Leg} := 27517 \text{ lbf}$

Footing Info:

$Conc.Comp. := 4000 \text{ (psi)}$

$Width := 36 \text{ ft}$

$Length := 36 \text{ ft}$

$SlabDepth := 1.5 \text{ ft}$

$No.SlabReb := 42$

$SlabReb.Dia. := 1.0 \text{ in}$

$SlabReb.Area := 0.79 \cdot \text{in}^2$

$SlabReb.Wt := 2.67 \text{ plf}$

$Offset := 3.5 \text{ ft}$

Pedestal Info:

$No.Ped := 3$

$Ped.Dia. := 4 \text{ ft}$

$Ped.Depth := 5 \text{ ft}$

$No.Ped.Reb := 16$

$Ped.Reb.Dia. := 1.0 \text{ in}$

$Ped.Reb.Area := 0.79 \text{ in}^2$

$Ped.Reb.Wt := 2.67 \text{ plf}$

$No.Couples := 7$

$Coup.Dist. := 28.9 \cdot \text{in}$

$Ped.TieWt := 0.376 \text{ plf}$

Design Info:

$Ult.SoilBearing := 4000 \text{ psf}$

$SafFact := 3.33$

$ResistanceFactor := 0.6$

Soil Capacity Design:

$$M_{max} := M_T + ((V_T) (Ped.Depth + SlabDepth)) + (C_T \cdot Offset) = 8337448.5 \text{ lbf}\cdot\text{ft}$$

$$C_{max} := C_T + \left((0.9) \left(150 \frac{\text{lbf}}{\text{ft}^3} \right) \left[(Length) (Width) (SlabDepth) \downarrow + (No.Ped) (Ped.Dia.)^2 \left(\frac{\pi}{4} \right) (Ped.Depth) \right] \right) \downarrow \\ + (0.9) \left(115 \frac{\text{lbf}}{\text{ft}^3} \right) \left[(Length) (Width) (Ped.Depth - 1 \text{ ft}) \downarrow - (No.Ped) (Ped.Dia.)^2 \left(\frac{\pi}{4} \right) (Ped.Depth - 1 \text{ ft}) \right] \downarrow$$

$$C_{max} = [871595] \text{ lbf}$$

$$e := \frac{M_{max}}{C_{max}} = [9.57] \text{ ft}$$

$$e_1 := \left(\frac{Length}{2} \right) - e = [8.43] \text{ ft}$$

$$Soil := (ResistanceFactor) \cdot (SafFact) \cdot Ult.SoilBearing$$

$$q_{max} := \frac{(2 \cdot C_{max})}{3 (Length) (e_1)}$$

Results:

$$q_{max} = 1914 \text{ psf}$$

$$Soil = 7992 \text{ psf}$$

Mat Design:

$$W_{max} := q_{max} \cdot Length = 68893 \frac{\text{lb}}{\text{ft}}$$

$$l := \frac{C_{max}}{0.5 (W_{max})} = [25.3] \text{ ft}$$

$$\Delta Pressure := \frac{W_{max}}{l} = [2723] \text{ psf}$$

$$M_{at} := \left(\frac{Length}{2} \right) - \left(\frac{FaceWidth}{2} \right) \left(\frac{1.732}{3} \right) - Offset = 6.85 \text{ ft}$$

$$W_{at} := W_{max} - (\Delta Pressure) (M_{at}) = [50241] \frac{\text{lb}}{\text{ft}}$$

$$M_{max} := (0.5) (W_{at}) (M_{at})^2 + \left((0.5) (W_{max} - W_{at}) (M_{at})^2 \left(\frac{2}{3} \right) \right)$$

$$\phi M_n := 0.72 (No.SlabReb) (SlabReb.Area) 60 \text{ ksi} \left(\left(\left(\left(SlabDepth \cdot 12 \frac{\text{in}}{\text{ft}} \right) \downarrow \right) \downarrow \right) - 3 \text{ in} - (1.5 \cdot SlabReb.Dia.) \right) - \frac{(No.SlabReb \cdot SlabReb.Area \cdot 60 \text{ ksi})}{2 \cdot .85 \cdot 4 \text{ ksi} \cdot \left(Length \cdot 12 \frac{\text{in}}{\text{ft}} \right)}$$

Results

$$M_{max} = [17647] \text{ kip} \cdot \text{in}$$

$$\phi M_n = 18379 \text{ kip} \cdot \text{in}$$

Punching/Pullout

$$\phi V_{cc} := (0.6) (4) \left(\sqrt{\text{Conc.Comp. psi}} \right) \left((\text{Ped.Dia.}) + (\text{SlabDepth}) \right) (\pi) \cdot (\text{SlabDepth})$$

$$\phi V_{ct} := (0.6) (4) \left(\sqrt{\text{Conc.Comp. psi}} \right) \left(\left((\text{Ped.Dia.} - 6 \text{ in}) \downarrow \right) \left(\pi \right) (\text{SlabDepth} - 6 \text{ in}) \right) \left(\pi \right) (\text{SlabDepth} - 6 \text{ in})$$

Results

$$\phi V_{cc} = 566510 \text{ lbf}$$

$$\phi V_{ct} = 309005 \text{ lbf}$$

Pedestal Check

$$M_{ped} := \frac{(V_{Leg} \cdot \text{Ped.Depth})}{1000 \frac{\text{lbf}}{\text{kip}}} = 1651 \text{ kip} \cdot \text{in}$$

$$\phi V_c := 0.6 \cdot 2 \cdot \left(\sqrt{\text{Conc.Comp. psi}} \right) (\text{Ped.Dia.} - 6 \text{ in})^2 \left(\frac{\pi}{4} \right) = 105148 \text{ lbf}$$

$$\phi M_n := 0.72 (\text{No.Couples}) (\text{Ped.Reb.Area}) (60 \text{ ksi}) (\text{Coup.Dist.}) = 6904 \text{ kip} \cdot \text{in}$$

$$\phi T_n := 0.72 (\text{No.Ped.Reb}) (\text{Ped.Reb.Area}) (60000 \text{ psi}) = 546048 \text{ lbf}$$

$$\text{Combined} := \frac{T_{Leg}}{\phi T_n} + \frac{M_{ped}}{\phi M_n}$$

Results

$$\text{Combined} = 0.80$$

Rebar Weight

Mat Rebar

Total Length of Mat Rebar

$$L_{matreb} := 2 \cdot No.SlabReb \cdot (Width - 2 \cdot 3 \text{ in}) + 2 \cdot No.SlabReb \cdot (Length - 2 \cdot 3 \text{ in}) = 5964 \text{ ft}$$

Total Weight of Mat Rebar

$$W_{matreb} := L_{matreb} \cdot SlabReb.Wt = 15923.9 \text{ lbf}$$

Pedestal Rebar

Total Length of Longitudinal Pedestal Rebar

$$L_{pedlong} := (Ped.Depth + SlabDepth + 3 \text{ in}) \cdot No.Ped.Reb \cdot No.Ped = 324 \text{ ft}$$

Total Length of Pedestal Ties

$$n_{ties} := \text{ceil} \left(\frac{Ped.Depth - 5 \text{ in}}{9 \text{ in}} + 1 \right) = 8$$

$$L_{pedtie} := n_{ties} \cdot (\pi \cdot (Ped.Dia. - 6 \text{ in}) + 12 \text{ in}) \cdot No.Ped = 287.9 \text{ ft}$$

Total Weight of Pedestal Rebar

$$W_{pedreb} := L_{pedlong} \cdot Ped.Reb.Wt + L_{pedtie} \cdot Ped.TieWt = 973.3 \text{ lbf}$$

Total Rebar Weight

$$W_{reb} := W_{matreb} + W_{pedreb} = 16897 \text{ lbf}$$

Concrete Volume

Mat Foundation

$$V_{mat} := Width \cdot Length \cdot SlabDepth = 72 \text{ yd}^3$$

Pedestals

$$V_{ped} := No.Ped \cdot \frac{\pi}{4} \cdot Ped.Dia.^2 \cdot Ped.Depth = 7 \text{ yd}^3$$

Total Concrete Volume

$$V_{conc} := V_{mat} + V_{ped} = 79 \text{ yd}^3$$

Foundation Design

Drilled Shaft

Loading Information:

Max Reaction (Down)	$C_t := 360362 \text{ lbf}$
Max Reaction (Uplift)	$T_t := 307422 \text{ lbf}$
Foundation Resistance Factor	$\phi_1 := 0.75$
Client Resistance Factor	$\phi_2 := 0.8$
Fall Zone Resistance Factor	$\phi_3 := 1.0$

Shaft Information:

Shaft Diameter	$D := 3 \text{ ft}$
Shaft Depth	$d := 33 \text{ ft}$
Shaft Projection	$p := 1 \text{ ft}$
Area of Rebar	$A_s := 0.79 \text{ in}^2$
Rebar Weight per Foot	$w_r := 2.670 \text{ plf}$
Number of Rebar	$n_r := 20$
Number of Couples	$n_c := 9$
Avg. Distance of Couples	$d_c := 19.81 \text{ in}$
Tie Rebar Area	$A_{tie} := 0.11 \text{ in}^2$
Tie Rebar Weight per Foot	$w_{tie} := 0.376 \text{ plf}$
Concrete Compressive Strength	$f'_c := 4000 \text{ psi}$

Lateral Analysis Parameters:

$$\Delta_{max} := 0.487 \text{ in} \quad M_{max} := 2449 \text{ kip} \cdot \text{in} \quad V_{max} := 33 \text{ kip} \quad T_{lat} := \frac{T_t}{\phi_2} = 384 \text{ kip}$$

Ultimate Soil Parameters:

Bearing	Tension	Compression	Depth
$q_1 := 0 \text{ psf}$	$f_{T1} := 533 \text{ psf}$	$f_{C1} := 533 \text{ psf}$	$d_1 := 3 \text{ ft}$
$q_2 := 0 \text{ psf}$	$f_{T2} := 800 \text{ psf}$	$f_{C2} := 800 \text{ psf}$	$d_2 := 4 \text{ ft}$
$q_3 := 0 \text{ psf}$	$f_{T3} := 1066 \text{ psf}$	$f_{C3} := 1066 \text{ psf}$	$d_3 := 5 \text{ ft}$
$q_4 := 0 \text{ psf}$	$f_{T4} := 1466 \text{ psf}$	$f_{C4} := 1466 \text{ psf}$	$d_4 := 5 \text{ ft}$
$q_5 := 0 \text{ psf}$	$f_{T5} := 1866 \text{ psf}$	$f_{C5} := 1866 \text{ psf}$	$d_5 := 3 \text{ ft}$
$q_6 := 0 \text{ psf}$	$f_{T6} := 2399 \text{ psf}$	$f_{C6} := 2399 \text{ psf}$	$d_6 := 7 \text{ ft}$
$q_7 := 35190 \text{ psf}$	$f_{T7} := 2932 \text{ psf}$	$f_{C7} := 2932 \text{ psf}$	$d_7 := 3 \text{ ft}$
$q_8 := 0 \text{ psf}$	$f_{T8} := 3200 \text{ psf}$	$f_{C8} := 3200 \text{ psf}$	$d_8 := 0 \text{ ft}$
$q_9 := 0 \text{ psf}$	$f_{T9} := 3600 \text{ psf}$	$f_{C9} := 3600 \text{ psf}$	$d_9 := 0 \text{ ft}$
$q_{10} := 0 \text{ psf}$	$f_{T10} := 3865 \text{ psf}$	$f_{C10} := 3865 \text{ psf}$	$d_{10} := 0 \text{ ft}$

Bearing Pressure at Bottom of Shaft $q_{max} = 35190 \text{ psf}$

Tension Design:

Skin Friction

$S_{T1} := f_{T1} \cdot d_1 = 1599 \frac{\text{lbf}}{\text{ft}}$	$S_{T6} := f_{T6} \cdot d_6 = 16793 \frac{\text{lbf}}{\text{ft}}$
$S_{T2} := f_{T2} \cdot d_2 = 3200 \frac{\text{lbf}}{\text{ft}}$	$S_{T7} := f_{T7} \cdot d_7 = 8796 \frac{\text{lbf}}{\text{ft}}$
$S_{T3} := f_{T3} \cdot d_3 = 5330 \frac{\text{lbf}}{\text{ft}}$	$S_{T8} := f_{T8} \cdot d_8 = 0 \frac{\text{lbf}}{\text{ft}}$
$S_{T4} := f_{T4} \cdot d_4 = 7330 \frac{\text{lbf}}{\text{ft}}$	$S_{T9} := f_{T9} \cdot d_9 = 0 \frac{\text{lbf}}{\text{ft}}$
$S_{T5} := f_{T5} \cdot d_5 = 5598 \frac{\text{lbf}}{\text{ft}}$	$S_{T10} := f_{T10} \cdot d_{10} = 0 \frac{\text{lbf}}{\text{ft}}$

$$T_{max} := T_t - (0.9) (150 \text{ pcf}) (D^2) \left(\frac{\pi}{4}\right) (d+p) = 274977 \text{ lbf}$$

$$T_{all} := \phi_1 \cdot \phi_2 \cdot \phi_3 \cdot D \cdot \pi \cdot (S_{T1} + S_{T2} + S_{T3} + S_{T4} + S_{T5} + S_{T6} + S_{T7} + S_{T8} + S_{T9} + S_{T10}) = 275087 \text{ lbf}$$

Compression Design:

Skin Friction

$$S_{C1} := f_{C1} \cdot d_1 = 1599 \frac{\text{lbf}}{\text{ft}}$$

$$S_{C6} := f_{C6} \cdot d_6 = 16793 \frac{\text{lbf}}{\text{ft}}$$

$$S_{C2} := f_{C2} \cdot d_2 = 3200 \frac{\text{lbf}}{\text{ft}}$$

$$S_{C7} := f_{C7} \cdot d_7 = 8796 \frac{\text{lbf}}{\text{ft}}$$

$$S_{C3} := f_{C3} \cdot d_3 = 5330 \frac{\text{lbf}}{\text{ft}}$$

$$S_{C8} := f_{C8} \cdot d_8 = 0 \frac{\text{lbf}}{\text{ft}}$$

$$S_{C4} := f_{C4} \cdot d_4 = 7330 \frac{\text{lbf}}{\text{ft}}$$

$$S_{C9} := f_{C9} \cdot d_9 = 0 \frac{\text{lbf}}{\text{ft}}$$

$$S_{C5} := f_{C5} \cdot d_5 = 5598 \frac{\text{lbf}}{\text{ft}}$$

$$S_{C10} := f_{C10} \cdot d_{10} = 0 \frac{\text{lbf}}{\text{ft}}$$

$$C_{max} := C_t + (1.2) (40 \text{ pcf}) (D^2) \left(\frac{\pi}{4}\right) (d+p) = 371898 \text{ lbf}$$

$$C_f := \phi_1 \cdot \phi_2 \cdot \phi_3 \cdot D \cdot \pi \cdot (S_{C1} + S_{C2} + S_{C3} + S_{C4} + S_{C5} + S_{C6} + S_{C7} + S_{C8} + S_{C9} + S_{C10}) = 275087 \text{ lbf}$$

$$C_b := \phi_1 \cdot \phi_2 \cdot \phi_3 \cdot D^2 \cdot \frac{\pi}{4} \cdot q_{max} = 149246 \text{ lbf}$$

$$C_{all} := C_b + C_f = 424333 \text{ lbf}$$

Lateral Analysis:

$$\phi V_c := 0.75 \cdot \phi_2 \cdot \phi_3 \cdot 2 \cdot \sqrt{f'_c} \cdot \text{psi} \cdot (D - 6 \text{ in})^2 \cdot \frac{\pi}{4} = 54 \text{ kip}$$

$$\phi M_n := 0.9 \cdot \phi_2 \cdot \phi_3 \cdot n_c \cdot A_s \cdot 60 \text{ ksi} \cdot d_c = 6085 \text{ kip} \cdot \text{in}$$

$$\phi T_n := 0.9 \cdot \phi_2 \cdot \phi_3 \cdot n_r \cdot A_s \cdot 60 \text{ ksi} = 683 \text{ kip}$$

$$c := \frac{T_{lat}}{\phi T_n} + \frac{M_{max}}{\phi M_n} = 0.965$$

Weight of Rebar

Longitudinal Rebar

Length of Single Long. Rebar $L_{long} := d + p - 6 \text{ in} = 33.5 \text{ ft}$

Ties

Number of Ties $n_{tie} := \text{ceil}\left(\frac{(d + p - 4 \text{ ft} - 6 \text{ in})}{2 \text{ ft}}\right) + 6 = 21$

Length of Single Tie $L_{tie} := \pi \cdot (D - 6 \text{ in}) + 1 \text{ ft} = 9 \text{ ft}$

Weight of Rebar per Shaft

Total Rebar Weight (1 Shaft) $W_{rebar} := n_r \cdot L_{long} \cdot w_r + n_{tie} \cdot L_{tie} \cdot w_{tie} = 1859 \text{ lbf}$

Volume of Concrete

Volume of Concrete (1 Shaft) $V_{conc} := \frac{\pi}{4} \cdot D^2 \cdot (d + p) = 8.9 \text{ yd}^3$

GENERAL NOTES:

CONCRETE:

- USE TYPE 1 CEMENT
- ADMIXTURES - USE NO CALCIUM CHLORIDE
- RECOMMENDED SLUMP - 5"-7"
- MAXIMUM WATER/CEMENT RATIO OF 0.45
- CONCRETE SHALL BE AIR ENTRAINED 6% (± 1.5%), IN AREAS OF POTENTIAL FREEZING
- 4000 PSI COMPRESSIVE STRENGTH @ 28 DAYS
- PLACE CONCRETE PER ACI-318 CODE
- VIBRATE CONCRETE AT PLACEMENT
- ALL REINFORCING STEEL TO HAVE MINIMUM OF 3" CONCRETE COVER
- USE TREMIE IF REQUIRED, DO NOT DROP CONCRETE THRU WATER.
- USE CASING OR SLURRY AS REQUIRED TO MAINTAIN SHAFT DIAMETER.

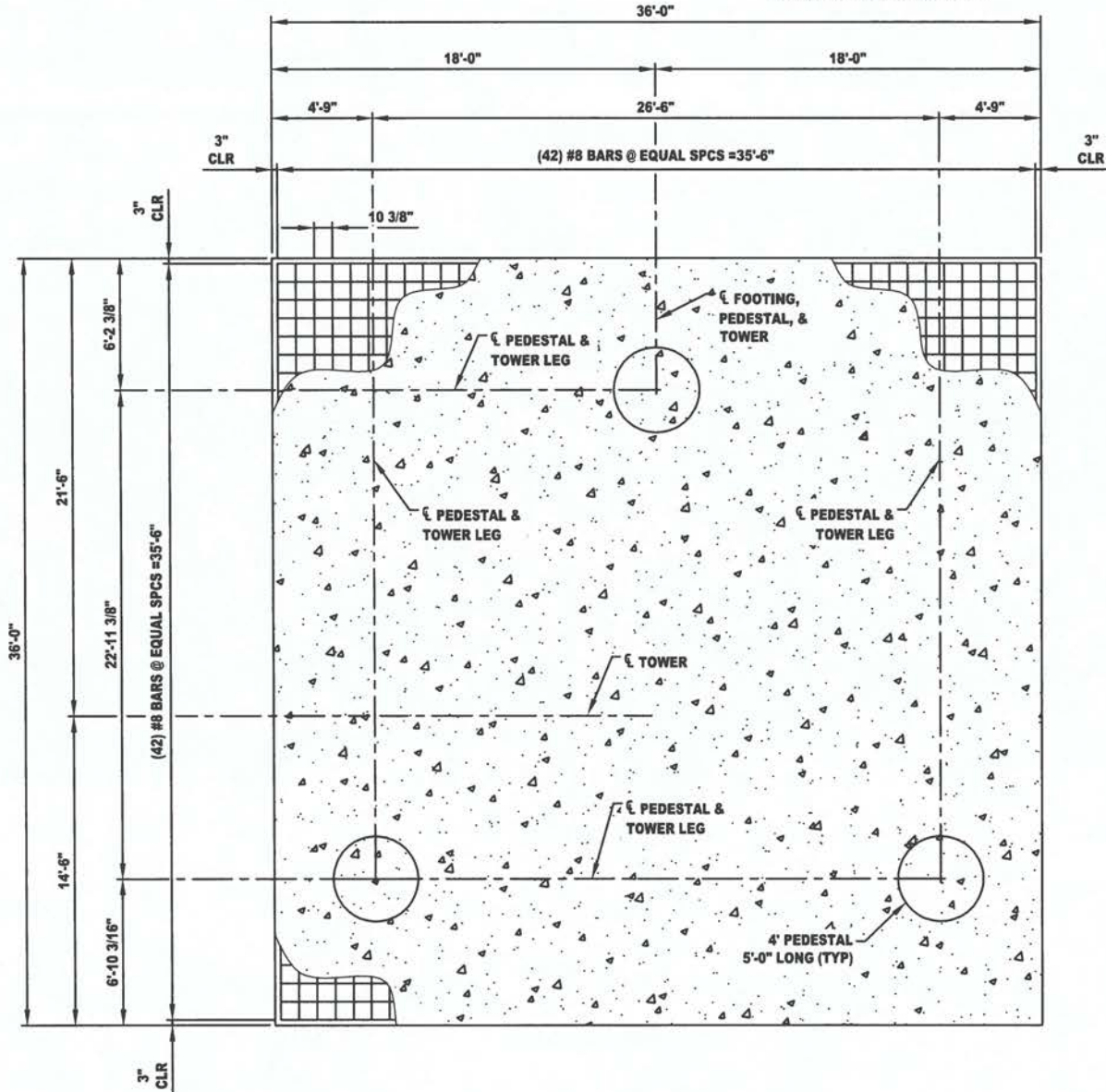
COLD JOINTS ARE NOT ALLOWED IN THE FOUNDATION. CONCRETE SHALL BE PLACED AS A MONOLITHIC POUR.

ESTIMATED QUANTITIES

BAR	NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
#3	24	12' - 0"	288' - 0"	PEDESTAL TIES
TOTAL #3 BARS = 288' - 0" = 108 LBS				
#8	48	6' - 9"	324' - 0"	PEDESTAL LONG.
#8	168	35' - 6"	5,964' - 0"	MAT LONG.
TOTAL #8 BARS = 6,288' - 0" = 16,789 LBS				
TOTAL DEFORMED REINFORCING STEEL = 16,897 LBS				
TOTAL 4000 PSI STRUCTURAL CONCRETE = 79 CU. YDS				

NOTE:

ESTIMATED QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY AND SHOULD NOT BE USED FOR PURCHASING OF MATERIALS



PLAN VIEW
SCALE: N.T.S.

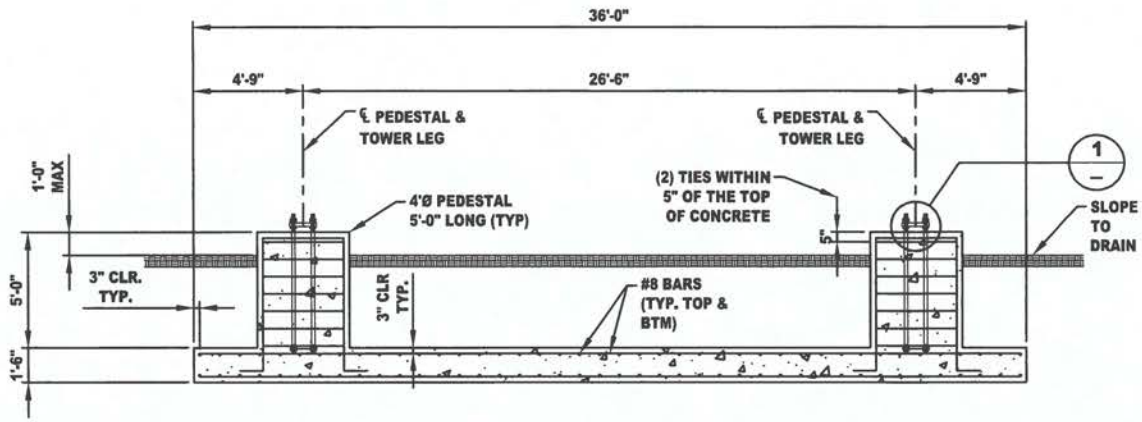
NOTE:

THIS FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT NO. 2404627 PREPARED BY SINNOTT GERING AND SCHMITT TOWERS, INC. FOR THE ALLENDALE TOWER SITE IN GREEN COUNTY, KY.

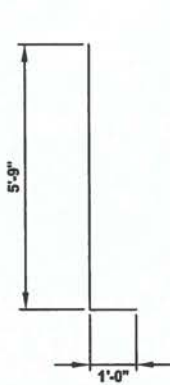
C.A.S.E.
LAFAYETTE, LOUISIANA
(337) 232-3336
WWW.CASENGR.COM

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▲	9-17-24	ISSUED FOR CONSTRUCTION	TPC	MJG	DESIGNED BY:	MJG	DRAWING NO.
NO.	DATE	REVISION DESCRIPTION	BY	APPR. BY	CASE JOB NO.:	24286	24286-FD01

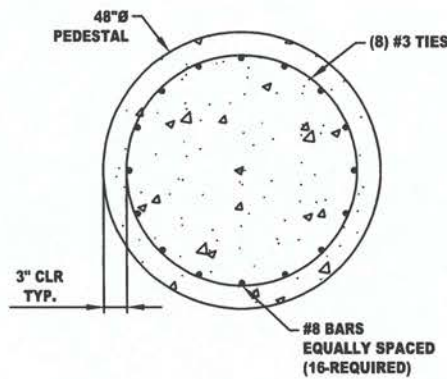
DALEY TOWER SERVICE, INC. CARENCRO, LA DALEY JOB NO.: 58779		WHITEROCK HOLDINGS 255' SELF SUPPORTER WS-000151 ALLENDALE SITE, KY
MAT FOOTING FOUNDATION OPTION 1		
DRAWN BY: TPC	DESIGNED BY: MJG	DRAWING NO. 24286-FD01
REVISIONS		REV.



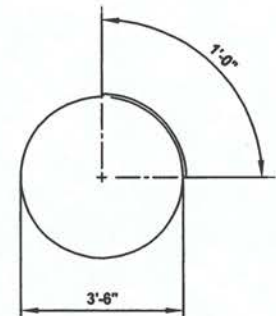
ELEVATION
SCALE: N.T.S.



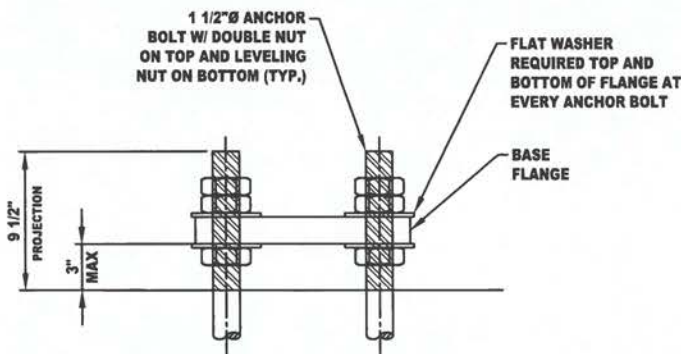
#8 PEDESTAL REBAR
SCALE: N.T.S.



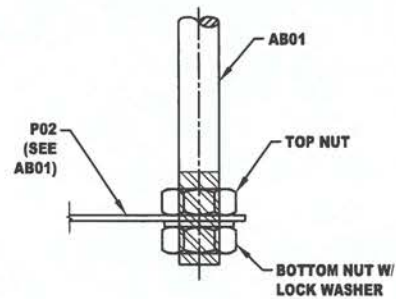
PEDESTAL SECTION
SCALE: N.T.S.



#3 TIES
SCALE: N.T.S.



DETAIL
SCALE: N.T.S.



BOTTOM PLATE CONNECTION DETAIL
SCALE: N.T.S.

NOTE:
THIS FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT NO. 2404627 PREPARED BY SINNOTT GERIG AND SCHMITT TOWERS, INC. FOR THE ALLENDALE TOWER SITE IN GREEN COUNTY, KY.

COLD JOINTS ARE NOT ALLOWED IN THE FOUNDATION. CONCRETE SHALL BE PLACED AS A MONOLITHIC POUR.

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▲	9-17-24	ISSUED FOR CONSTRUCTION	TPC	MJG	DESIGNED BY:	MJG
NO.	DATE	REVISION DESCRIPTION	BY	APPR. BY	CASE JOB NO.:	24286

DALEY TOWER SERVICE, INC. CARENCRO, LA DALEY JOB NO.: 58779			WHITEROCK HOLDINGS 255' SELF SUPPORTER WS-000151 ALLENDALE SITE, KY	
MAT FOOTING FOUNDATION OPTION 1				
DRAWN BY:	TPC	DRAWING NO.	24286-FD02	
DESIGNED BY:	MJG	CASE JOB NO.:	24286	REV.

GENERAL NOTES:

CONCRETE:

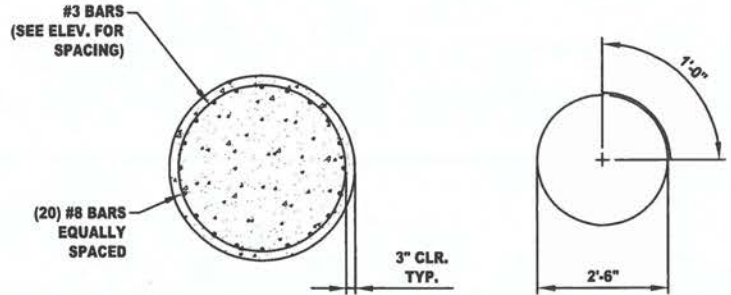
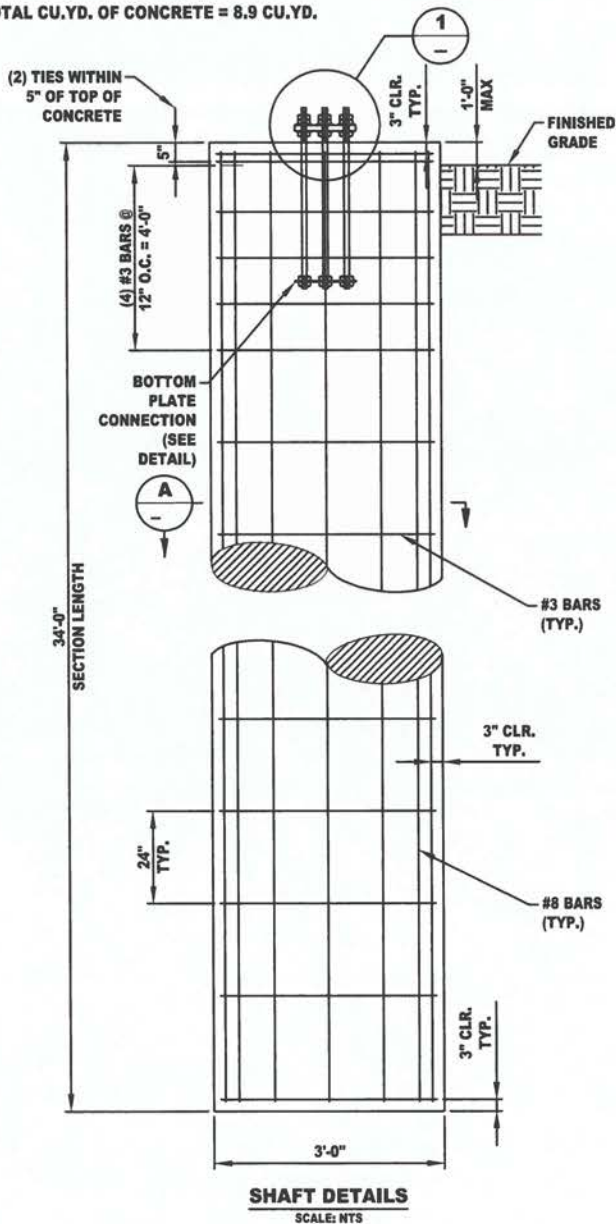
USE TYPE 1 CEMENT
 ADMIXTURES - USE NO CALCIUM CHLORIDE
 RECOMMENDED SLUMP - 5"-7"
 MAXIMUM WATER/CEMENT RATIO OF 0.45
 CONCRETE SHALL BE AIR ENTRAINED 6% (± 1.5%), IN AREAS OF POTENTIAL FREEZING
 4000 PSI COMPRESSIVE STRENGTH @ 28 DAYS
 PLACE CONCRETE PER ACI-318 CODE
 VIBRATE CONCRETE AT PLACEMENT
 ALL REINFORCING STEEL TO HAVE MINIMUM OF 3" CONCRETE COVER
 USE TREMIE IF REQUIRED, DO NOT DROP CONCRETE THRU WATER.
 USE CASING OR SLURRY AS REQUIRED TO MAINTAIN SHAFT DIAMETER.

**COLD JOINTS ARE NOT ALLOWED IN THE FOUNDATION.
 CONCRETE SHALL BE PLACED AS A MONOLITHIC POUR.**

- * TOTAL WT. OF REBAR = 1,859 LBS
- * TOTAL CU.YD. OF CONCRETE = 8.9 CU.YD.

ESTIMATED QUANTITIES (PER SHAFT)

BAR	NO.	DESCRIPTION	TOTAL LENGTH	REMARKS
#3	21	#3 TIES	9'-0"	ASTM A615-60
#8	20	#8 LONG. REBAR	33'-6"	ASTM A615-60
AB1	6	1 1/2"Ø SOLID ROD	6'-0"	ASTM F1554-105

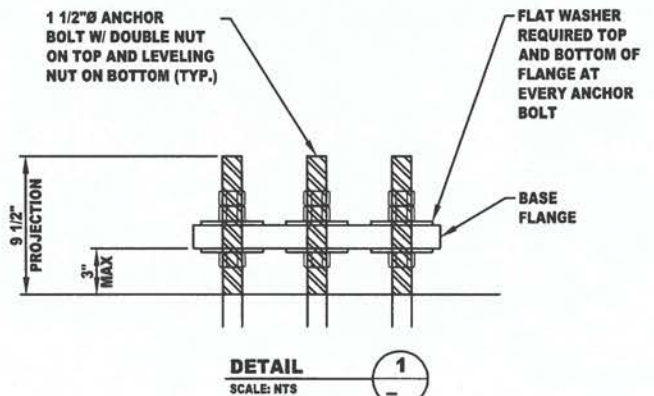


SECTION A

SCALE: N.T.S.

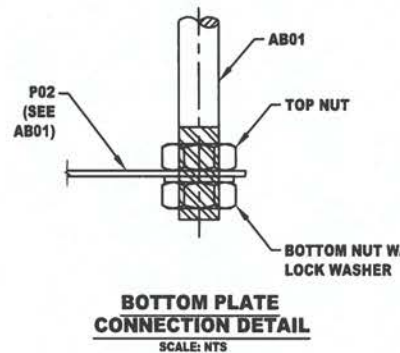
#3 TIES

SCALE: N.T.S.



DETAIL 1

SCALE: N.T.S.



BOTTOM PLATE CONNECTION DETAIL

SCALE: N.T.S.

NOTE:

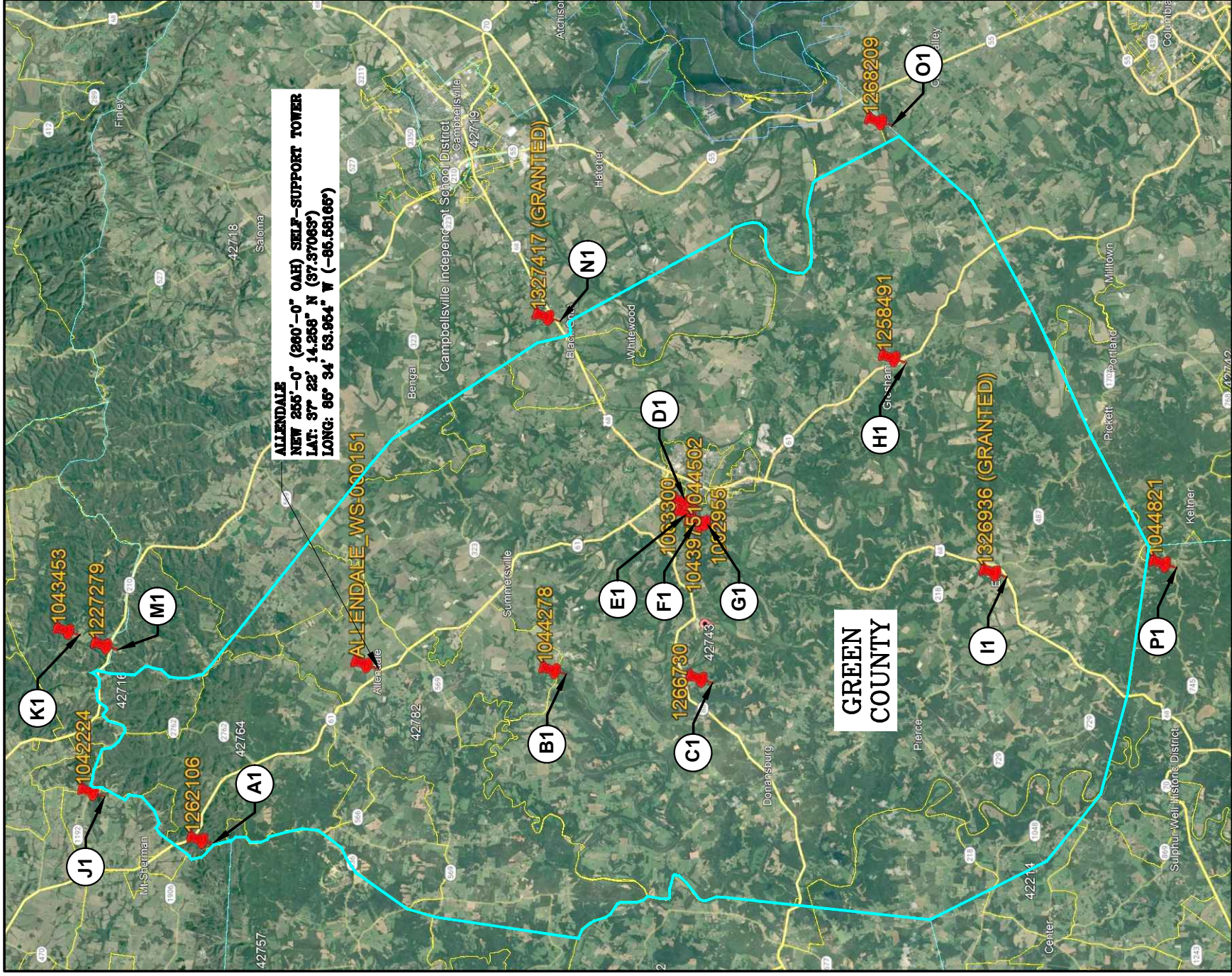
THIS FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT NO. 2404627 PREPARED BY SINNOTT GERING AND SCHMITT TOWERS, INC. FOR THE ALLENDALE TOWER SITE IN GREEN COUNTY, KY.

C.A.S.E.
 LAFAYETTE, LOUISIANA
 (337) 232-3336
 WWW.CASENGR.COM

NO.	DATE	REVISION DESCRIPTION	BY	APPR. BY
9-17-24		ISSUED FOR CONSTRUCTION	TPC	M/J
		REVISION DESCRIPTION		

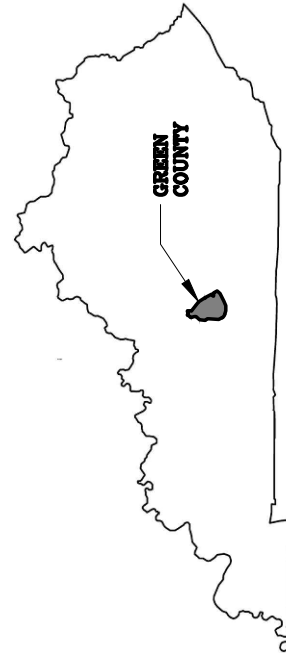
DALEY TOWER SERVICE, INC. CARENCRO, LA DALEY JOB NO.: 58779		WHITEROCK HOLDINGS 255' SELF SUPPORTER WS-000151 ALLENDALE SITE, KY
DRILLED SHAFT FOUNDATION OPTION 2		
DRAWN BY: TPC DESIGNED BY: M/J CASE JOB NO.: 24286	DRAWING NO. 24286-FD03	REV.

**GREEN COUNTY KENTUCKY
VERIZON WIRELESS SITE NAME: ALLENDALE**



EXISTING TOWERS FROM FROM NORTH TO SOUTH

- (A1)** **FCC ASR#: 1262106**
TOWER OWNER: CELCO PARTNERSHIP
LAT: 37° 25' 41.0" N
LONG: -85° 39' 31.8" W
- (B1)** **FCC ASR#: 1044278**
TOWER OWNER: TENNESSEE GAS COMPANY LLC
LAT: 37° 18' 20.1" N
LONG: -85° 35' 0.6" W
- (C1)** **FCC ASR#: 1266730**
TOWER OWNER: CELCO PARTNERSHIP
LAT: 37° 15' 19.8" N
LONG: -85° 35' 11.9" W
- (D1)** **FCC ASR#: 1043975**
TOWER OWNER: ACCESS CABLE TELEVISION, INC.
LAT: 37° 15' 38" N
LONG: -85° 30' 39" W
- (E1)** **FCC ASR#: 1063300**
TOWER OWNER: FIRST CORBIN REALTY, LLC
LAT: 37° 15' 34" N
LONG: -85° 30' 57" W
- (F1)** **FCC ASR#: 1002955**
TOWER OWNER: GLOBAL TOWER, LLC THROUGH AMERICAN TOWERS, LLC
LAT: 37° 15' 22" N
LONG: -85° 31' 12" W
- (G1)** **FCC ASR#: 1044502**
TOWER OWNER: EAST KENTUCKY POWER COOPERATIVE, INC.
LAT: 37° 15' 16.2" N
LONG: 85° 31' 9.9" W
- (H1)** **FCC ASR#: 1258491**
TOWER OWNER: CELCO PARTNERSHIP
LAT: 37° 11' 24.9" N
LONG: -85° 26' 58.6" W
- (I1)** **FCC ASR# 1326936 (GRANTED)**
TOWER OWNER: VB BTS II, LLC
LAT: 37° 09' 23.0" N
LONG: -85° 32' 25.5" W
- (J1)** **FCC ASR#: 1042224**
TOWER OWNER: GLOBAL TOWER, LLC THROUGH AMERICAN TOWERS, LLC
LAT: 37° 28' 00.0" N
LONG: -85° 38' 19.0" W
- (K1)** **FCC ASR#: 1043453**
TOWER OWNER: CELCO PARTNERSHIP
LAT: 37° 28' 31.7" N
LONG: -85° 34' 05.2" W
- (M1)** **FCC ASR#: 1227279**
TOWER OWNER: CELCO PARTNERSHIP
LAT: 37° 27' 43.2" N
LONG: -85° 34' 27.8" W
- (N1)** **FCC ASR#: 1327417 (GRANTED)**
TOWER OWNER: SOUTHERN TOWERS BTS, LP
LAT: 37° 18' 27.8" N
LONG: -85° 25' 53.1" W
- (O1)** **FCC ASR#: 1266209**
TOWER OWNER: CELCO PARTNERSHIP
LAT: 37° 11' 40.7" N
LONG: -85° 20' 55.2" W
- (P1)** **FCC ASR#: 1044821**
TOWER OWNER: KENTUCKY COMMONWEALTH OF DBA = KY EMERGENCY WARNING SYSTEMS KEWS
LAT: 37° 06' 00.0" N
LONG: 85° 32' 10.1" W



WhiteRock
HOLDINGS LLC
604 FOX GLEN
BARRINGTON, IL 60010
PHONE: 847-277-0070
EMAIL: INFO@WHITEROCKHOLDINGSLLC.COM

JOHN M. BANKS
ARCHITECT
604 FOX GLEN
BARRINGTON, IL 60010
TELEPHONE: 847-277-0070
FAX: 847-277-0080
EMAIL: JBANKS@WESTCHESTER SERVICES.COM

WESTCHESTER
SERVICES LLC
604 FOX GLEN
BARRINGTON, IL 60010
PHONE: 847-277-0070
EMAIL: AE@westchesterservices.com
KY Firm No. 5130

DRAWN BY: CG
CHECKED BY: ST

REV	DATE	DESCRIPTION
A	02/08/24	ISSUED FOR ZONING
B	04/10/24	ISSUED FOR ZONING

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF KENTUCKY

SITE # WS-000151
SITE NAME: ALLENDALE
SITE ADDRESS: 8820 HODGENVILLE RD
SUMMERSVILLE, KY 42782

SHEET TITLE
TOWER GRID MAP

SHEET NUMBER
C-0

SCALE
N.T.S.

TOWER GRID MAP

1



Notice of Proposed Construction or Alteration - Off Airport

[Add a New Case \(Off Airport\) - Desk Reference Guide V_2018.2.1](#)

[Add a New Case \(Off Airport\) for Wind Turbines - Met Towers \(with WT Farm\) - WT-Barge Crane - Desk Reference Guide V_2018.2.1](#)

Project Name: WHITE-000844912-24 **Sponsor:** WhiteRock Holdings LLC

Details for Case : WS-000151

[Show Project Summary](#)

Case Status		Date Accepted: 02/23/2024	
ASN: 2024-ASO-4381-OE		Date Determined:	
Status: Accepted		Letters: None	
Public Comments: None		Documents: 02/23/2024 2.9.24 WS-000151 ...	
		02/23/2024 8.8.23 WS-000151_...	
		Project Documents: None	
Construction / Alteration Information		Structure Summary	
Notice Of: Construction		Structure Type: TOWER Antenna Tower	
Duration: Permanent		Structure Name: WS-000151	
if Temporary : Months: Days:		FDC NOTAM:	
Work Schedule - Start:		NOTAM Number:	
Work Schedule - End:		FCC Number:	
*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.		Prior ASN:	
State Filing:			
Structure Details		Proposed Frequency Bands	
Latitude: 37° 22' 14.25" N		Low Freq 6	High Freq 7
Longitude: 85° 34' 53.95" W		6	7
Horizontal Datum: NAD83		10	11.7
Site Elevation (SE): 820 (nearest foot) PASSED		10	11.7
Structure Height (AGL): 260 (nearest foot)		17.7	19.7
Current Height (AGL): (nearest foot)		17.7	19.7
* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal		21.2	23.6
		21.2	23.6
Minimum Operating Height (AGL): (nearest foot)		614	698
* For aeronautical study of a crane or construction equipment the maximum height should be listed above as the Structure Height (AGL). Additionally, provide the minimum operating height to avoid delays if impacts are identified that require negotiation to a reduced height. If the Structure Height and minimum operating height are the same enter the same value in both fields.		614	698
		698	806
		806	901
		806	824
		824	849
		851	866
		869	894
		896	901
		901	902
		929	932
		930	931
		931	932
		932	932.5
		935	940
		940	941
		1670	1675
Requested Marking/Lighting: Dual-red and medium intensity		1710	1755
Other :		1850	1910
		1850	1990
Recommended Marking/Lighting:		1930	1990
Current Marking/Lighting: N/A Proposed Structure		1990	2025
Other : <input type="text"/>		2110	2200
		2305	2360
		2305	2310
		2345	2360
		2496	2690
Nearest City: Summersville		Low Freq 3700	High Freq 3980
Nearest State: Kentucky		Freq Unit MHz	ERP 3280
Description of Location: See topo Map		ERP Unit W	
Description of Proposal: Proposed construction of a 260-foot-tall lattice telecommunications tower			

Previous [Back to Search Result](#) Next



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

Aeronautical Study No.
 2024-ASO-4381-OE

Issued Date: 05/07/2024

Jack Auriema Jr
 WhiteRock Holdings LLC
 604 Fox Glen
 Barrington, IL 60010

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

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

Structure: Antenna Tower WS-000151
 Location: Summersville, KY
 Latitude: 37-22-14.26N NAD 83
 Longitude: 85-34-53.95W
 Heights: 820 feet site elevation (SE)
 260 feet above ground level (AGL)
 1080 feet above mean sea level (AMSL)

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

Emissions from this site must be in compliance with the parameters set by collaboration between the FAA and telecommunications companies and reflected in the FAA 5G C band compatibility evaluation process (such as power, frequencies, and tilt angle). Operational use of this frequency band is not objectionable provided the Wireless Providers (WP) obtain and adhere to the parameters established by the FAA 5G C band compatibility evaluation process. **Failure to comply with this condition will void this determination of no hazard.**

As a condition to this Determination, the structure is to be marked/lighted in accordance with FAA Advisory circular 70/7460-1 M, Obstruction Marking and Lighting, a med-dual system-Chapters 4,8(M-Dual),&15.

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

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

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

See attachment for additional condition(s) or information.

This determination expires on 11/07/2025 unless:

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

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

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

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

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

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

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

If we can be of further assistance, please contact our office at (718) 553-2611, or angelique.eersteling@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2024-ASO-4381-OE.

Signature Control No: 613483029-620910261

(DNE)

Angelique Eersteling
Technician

Attachment(s)

Additional Information

Case Description

Frequency Data

Map(s)

cc: FCC

BASIS FOR DECISION

Part 77 authorizes the FAA to evaluate a structure or object's potential electromagnetic effects on air navigation, communication facilities, and other surveillance systems. It also authorizes study of impact on arrival, departure, and en route procedures for aircraft operating under visual or instrument flight rules, as well as the impact on airport traffic capacity at existing public use airports. Broadcast in the 3.7 to 3.98 GHz frequency (5G C band) currently causes errors in certain aircraft radio altimeters and the FAA has determined they cannot be relied upon to perform their intended function when experiencing interference from wireless broadband operations in the 5G C band. The FAA has adopted Airworthiness Directives for all transport and commuter category aircraft equipped with radio altimeters that prohibit certain operations when in the presence of 5G C band

This determination of no hazard is based upon those mitigations implemented by the FAA and operators of transport and commuter category aircraft, and helicopters operating in the vicinity of your proposed location. It is also based on telecommunication industry and FAA collaboration on acceptable power levels and other parameters as reflected in the FAA 5G C band evaluation process.

The FAA 5G C band compatibility evaluation is a data analytics system used by FAA to evaluate operational hazards related to aircraft design. The FAA 5G C band compatibility evaluation process refers to the process in which the telecommunication companies and the FAA have set parameters, such as power output, locations, frequencies, and tilt angles for antenna that mitigate the hazard to aviation. As the telecommunication companies and FAA refine the tools and methodology, the allowable frequencies and power levels may change in the FAA 5G C band compatibility evaluation process. Therefore, your proposal will not have a substantial adverse effect on the safe and efficient use of the navigable airspace by aircraft provided the equipment and emissions are in compliance with the parameters established through the FAA 5G C band compatibility evaluation process.

Any future changes that are not consistent with the parameters listed in the FAA 5G C band compatibility evaluation process will void this determination of no hazard.

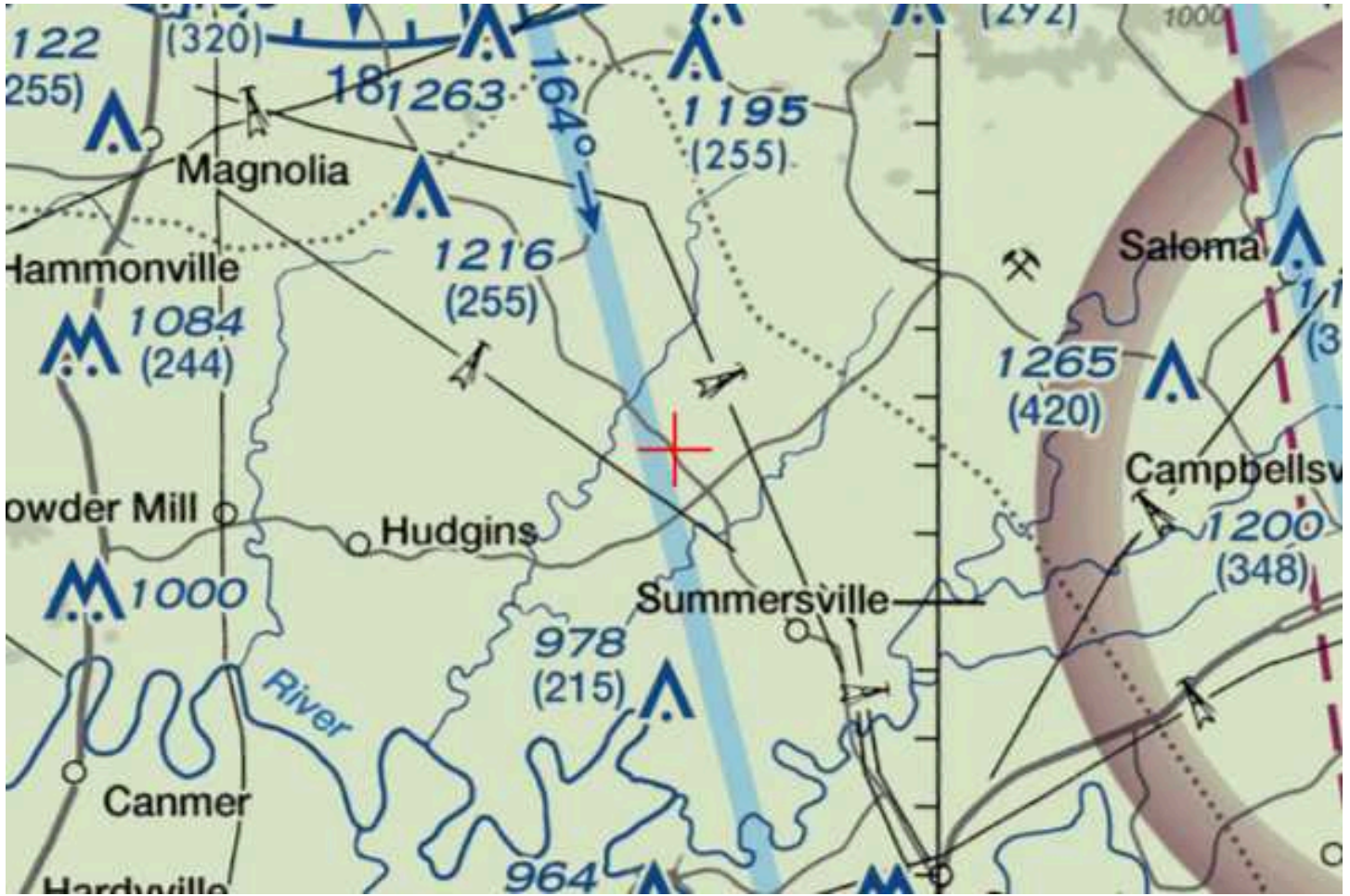
Case Description for ASN 2024-ASO-4381-OE

Proposed construction of a 260-foot-tall lattice telecommunications tower

Frequency Data for ASN 2024-ASO-4381-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
6	7	GHz	55	dBW
6	7	GHz	42	dBW
10	11.7	GHz	55	dBW
10	11.7	GHz	42	dBW
17.7	19.7	GHz	55	dBW
17.7	19.7	GHz	42	dBW
21.2	23.6	GHz	55	dBW
21.2	23.6	GHz	42	dBW
614	698	MHz	2000	W
614	698	MHz	1000	W
698	806	MHz	1000	W
806	901	MHz	500	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
929	932	MHz	3500	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1670	1675	MHz	500	W
1710	1755	MHz	500	W
1850	1910	MHz	1640	W
1850	1990	MHz	1640	W
1930	1990	MHz	1640	W
1990	2025	MHz	500	W
2110	2200	MHz	500	W
2305	2360	MHz	2000	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W
2496	2690	MHz	500	W
3700	3980	MHz	3280	W





APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

JURISDICTION

602 KAR 50:030

Section 1. The commission has zoning jurisdiction over that airspace over and around the public use and military airports within the Commonwealth which lies above the imaginary surface that extends outward and upward at one (1) of the following slopes:

- (1) 100 to one (1) for a horizontal distance of 20,000 feet from the nearest point of the nearest runway of each public use airport and military airport with at least one (1) runway 3,200 feet or more in length; or
- (2) fifty (50) to one (1) for a horizontal distance of 10,000 feet from the nearest point of the nearest runway of each public use and military airport with its longest runway less than 3,200 feet in length.

Section 2. The commission has zoning jurisdiction over the use of land and structures within public use airports within the state.

Section 3. The commission has jurisdiction from the ground upward within the limits of the primary and approach surfaces of each public use airport and military airport as depicted on airport zoning maps approved by the Kentucky Airport Zoning Commission.

Section 4. The Commission has jurisdiction over the airspace of the Commonwealth that exceeds 200 feet in height above the ground.

Section 5. The owner or person who has control over a structure which penetrates or will penetrate the airspace over which the Commission has Jurisdiction shall apply for a permit from the Commission in accordance with 602 KAR 50:090.

INSTRUCTIONS

1. "Alteration" means to increase or decrease the height of a structure or change the obstruction marking and lighting.
2. "Applicant" means the person who will own or have control over the completed structure.
3. "Certification by Applicant" shall be made by the individual who will own or control the completed structure; or a partner in a partnership; or the president or authorized officer of a corporation company, or association; or the authorized official of a body politic; or the legally designated representative of a trustee, receiver, or assignee.
4. Prepare the application and forward to the Kentucky Dept. of Aviation, ATTN: Airport Zoning Commission, 90 Airport Drive, Frankfort KY 40601. For questions, telephone 502-782-4043.
5. The statutes applicable to the Kentucky Airport Commission are KRS 183.861 to 183.990 and the administrative regulations are 602 KAR Chapter 50.
6. When applicable, attach the following appendices to the application:

Appendix A. A 7.5 minute quadrangle topographical map prepared by the U.S. Geological Survey and the Kentucky Geological Survey with the exact location of the structure which is the subject of the application indicated thereon. (*The 7.5 minute quadrangle map may be obtained from the Kentucky Geological Survey, Department of Mines and Minerals, Lexington, KY 40506.*)

Appendix B. For structures on or very near to property of a public use airport, a copy of the airport layout drawing (ALP) with the exact location of the structure which is the subject of this application indicated thereon. (*The ALP may be obtained from the Chairperson of the local airport board or the Kentucky Airport Zoning Commission.*)

Appendix C. Copies of Federal Aviation Administration Applications (*FFA Form 7460-1*) or any orders issued by the manager, Air Traffic Division, FAA regional office.

Appendix D. If the applicant has indicated in item number 7 of the application that the structure will not be marked or lighted in accordance with the regulations of the Commission, the applicant shall attach a written request for a determination by the commission that the marking and lighting are not necessary. The applicant shall specifically state the reasons that the absence of marking and lighting will not impair the safety of air navigation.

Appendix E. The overall height in feet of the overhead transmission line or static wire above ground level or mean water level with span length 1,000 feet and over shall be depicted on a blueprint profile map.

PENALTIES

1. Persons failing to comply with the Airport Zoning Commission statutes and regulations are liable for a fine or imprisonment as set forth in KRS 183.990(3).
2. Applicants are cautioned: Noncompliance with Federal Aviation Administration Regulations may provide for further penalties.



APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) WhiteRock Holdings LLC		PHONE 224-655-2732	FAX 847-277-0080	KY AERONAUTICAL STUDY #	
ADDRESS (street) 604 Fox Glen		CITY Barrington		STATE IL.	ZIP 60010
APPLICANT'S REPRESENTATIVE (name) Steve Martin		PHONE 205-837-3228	FAX 847-277-0080		
ADDRESS (street) 604 Fox Glen		CITY Barrington		STATE IL.	ZIP 60010
APPLICATION FOR <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				WORK SCHEDULE	
DURATION <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days)				Start 5-30-2025 6-30-2025	
TYPE <input type="checkbox"/> Crane <input type="checkbox"/> Building <input checked="" type="checkbox"/> Antenna Tower <input type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		MARKING/PAINTING/LIGHTING PREFERRED <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input checked="" type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input type="checkbox"/> Other			
LATITUDE 37 ° 22 ' 14 . 258 ''		LONGITUDE 85 ° 34 ' 53 . 954 ''		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
NEAREST KENTUCKY City Sumner County Green		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT			
SITE ELEVATION (AMSL, feet) 819.8		TOTAL STRUCTURE HEIGHT (AGL, feet) 260'		CURRENT (FAA aeronautical study #) 2024-ASO-4381-OE	
OVERALL HEIGHT (site elevation plus total structure height, feet) 1080'				PREVIOUS (FAA aeronautical study #)	
DISTANCE (from nearest Kentucky public use or Military airport to structure) 14.7 miles (Taylor County Airport AAS)				PREVIOUS (KY aeronautical study #)	
DIRECTION (from nearest Kentucky public use or Military airport to structure) South East					
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)					
DESCRIPTION OF PROPOSAL New Self Support Lattice Cell Tower					
FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?) <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? Determination of no hazard issued 5/7/2024					
CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)					
PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)					
NAME Steve Martin		TITLE Project Manager		SIGNATURE Steven Martin	
				DATE 3-27-2024	
COMMISSION ACTION					
<input type="checkbox"/> Chairperson, KAZC <input type="checkbox"/> Administrator, KAZC					
<input type="checkbox"/> Approved		SIGNATURE		DATE	
<input type="checkbox"/> Disapproved					



KENTUCKY AIRPORT ZONING COMMISSION

ANDY BESHEAR
Governor

Department of Aviation, 90 Airport Road
Frankfort, KY 40601
www.transportation.ky.gov
502-564-0151

JIM GRAY
Secretary

APPROVAL OF APPLICATION

Wednesday, June 12, 2024

WhiterOCK Holdings LLC
604 Fox Glen
Barrington, IL 60010

AS-2024-044-AAS **Taylor County Airport**
APPLICANTS NAME: WhiterOCK Holdings LLC
NEAREST CITY: Summerville, KY
LATITUDE/LONGITUDE: 37°22'14.26" N, 85°34'53.95" W
HEIGHT (In Feet): 260' AGL /1080' AMSL
CONSTRUCTION PROPOSED: Telecommunications Tower

NOTES: The tower location is approximately 12.7 nm W of AAS and exceeds 200 ft AGL.
It penetrates no protected air surfaces.

FAA DETERMINATION: 2024-ASO-4381-OE. No Hazard To Air Navigation. Marking and Lighting required IAW AC 70/7460-1 M, med-dual system – Chapter 4,8(M-Dual)&15. Emissions must adhere to the FAA 5G C-band compatibility evaluation process.

This letter is to notify you that the Kentucky Airport Zoning Commission approved your permit application for the construction of Structures at the Location, Coordinates, and Height as indicated above. Construction must comply with requirements, if any, listed in the FAA Determination.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of this notification has also been emailed to your representative Steve Martin at smartin@whiterockholdingsllc.com. Contact us with any questions you may have.

Respectfully,

Anthony Adams

Airport Zoning Commission Administrator
KY Department of Aviation
502-564-0151 Office
AirportZoning@ky.gov

Date: September 11, 2024

Whiterock Holdings LLC



Sinnott Gering and Schmitt Towers, Inc.
14708 Custer Rd Suite 102
Omaha, NE 68138
(844) 886-9377
Engineering@sgstowers.com

Subject: *Geotechnical Report*

Structure Designation: **Structure Number:** WS-000151
Structure Name: Allendale

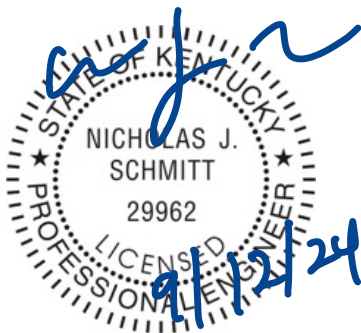
Engineering Firm Designation: **SGS Towers Project Number:** 2404627

Site Data: 8820 Hodgenville Road
Summersville, Kentucky 42782 (Green County)
Latitude 37.370699° Longitude -85.58154°
Proposed 255 Foot Self-Support Structure

Sinnott Gering and Schmitt Towers, Inc. is pleased to submit this “Geotechnical Report” to evaluate subsurface conditions in the area where the foundation will exist. This report has been prepared in accordance with generally accepted geotechnical engineering practice for specific application to this project. While some transitions may be gradual, subsurface conditions in other areas may be quite different. Should actual site conditions vary from those presented in this report, SGS should be provided the opportunity to amend its recommendations, as necessary.

We at Sinnott Gering and Schmitt Towers, Inc. appreciate the opportunity of providing our continuing professional services to Whiterock Holdings LLC. If you have any questions or need further assistance on this or any other projects, please give us a call.

Respectfully prepared by:
Nathaniel Felten, PE



Project Description

In this report, subsurface conditions are evaluated to provide parameters for the foundation design.

Field and Laboratory Investigation

Beginning on Wednesday, May 8, 2024, one exploratory boring was advanced with a truck-mounted drill rig with a 3 1/4-inch diameter hollow stem auger at the location shown in the Appendix. Sub-surface exploration included the performance of a soil test boring (BH1) to a depth of 50 feet at the structure base. Split- spoon samples were obtained in accordance with (ASTM D 1586) at a frequency of 3 samples in the top 10 feet and 1 sample every 5 feet thereafter. The soil samples were field classified and logged as shown in the appendix. Intact samples were returned to our laboratories for the determination of their in-situ Moisture Content (ASTM D2216), Material Passing #200 Sieve (ASTM D1140), Density of Soil (ASTM D7263), Atterberg Limits (ASTM D4318), Soil Classification (ASTM D7263), and other relevant properties. See Appendix pages in the back of this report for the methods and results of the tests performed. Performance of these tests was completed with the intent to provide subsurface profile, and design capabilities.

Subsurface Conditions

The following description of subsurface conditions is brief and general. For more detailed information, the Boring Log contained in the Appendix may be consulted.

Lithology

As observed in the exploratory boring, earth materials consisted of natural soil with no solid rock layers encountered throughout the exploration process.

Soil

The USCS classification of the materials encountered in the boring at the structure included topsoil from the depths 0.0 to 0.75 feet, and medium-dense to very-dense silty sand (SM) from the depths 0.75 to 50 feet for boring BH1. Lab resistivities were performed on the topsoil sample. Lab soil resistivities were performed and resulted in readings of 9,900 ohms per cm. With a reading between 5,000 and 10,000 ohms per cm the upper soil layer should be considered moderately corrosive. For comprehensive information on soil strata and corresponding characteristics, please refer to the boring log in appendix.

Landslide & Impact from Surrounding Land Usage

The ground topography is relatively level terrain. This site is not located within a mapped landslide. No significant slopes are in the vicinity of the site. No evidence of surficial or deep-seated slope failures was observed at the site.

Subsurface Water

During subsurface exploration, groundwater was not encountered during excavation. Subsurface water levels tend to fluctuate during the year, due to seasonal variations and construction activities in the area.

Frost

It is recommended that the frost depth shall be used per the authority having jurisdiction's requirements. The TIA-222-G-1 document suggests a frost depth of 20 inches for Green County, Kentucky

Seismic Hazard

Faults and Seismic Activity

Kentucky has been active in seismic activity for many years. The strongest historic earthquake recorded inside Kentucky's borders was in Bath County. The most significant earthquake that affected Kentucky outside its borders occurred in 1811 to 1812 in the New Madrid Seismic Zone. This chain of events along the New Madrid Seismic Zone is believed to be the largest seismic event in modern times. Any structure being designed in this area should factor seismic design into structural analysis. Updated seismic parameters shall be obtained from ASCE Hazard Tool based on assumed Risk Category II and Site Soil Classification D - Default (see Section 11.4.3 of ASCE 7-16).

Liquefaction

The potential of soils to liquefy is influenced by factors such as soil type, relative density, particle size, gradation, depth of ground water table, confining pressure, intensity, and duration of the shaking. The highest potential for liquefaction occurs in saturated, loosely consolidated sands and silts below the water table when the water table is within about 50 feet of the ground. During our subsurface investigation, medium-dense to very-dense silty sand (SM) was encountered along with an absence of a groundwater table indicating a low possibility of liquefaction in occurrence of an earthquake.

Foundation Recommendations

Based on the soil conditions and SGS's understanding of the geology, the structure can be supported by the use of a shallow mat foundation or series of drilled pier foundations. The table below assumes a foundation measuring approximately 25 feet by 25 feet.

Shallow Mat Foundation

The following table should be used for shallow mat foundation design.

Shallow Mat Foundation Analysis Parameters

Depth		Soil Type	Static Bearing [1]	Cohesion	Friction Angle	Effective Unit Weight
Top	Bottom					
(ft)	(ft)		(psf)	(psf)	(°)	(pcf)
0	1.7	SM	0	0	0	125
1.7	3	SM	2200	0	40	125
3	6	SM	4000	0	40	125
6	10	SM	6200	0	36	122

[1] The bearing values provided are net allowable with a minimum factor of safety of 2.5 with anticipated settlement less than 1 in. Bearing may be increased by 1/3 for transient loading (e.g. wind or earthquake loading)

Drilled Pier Foundation

The following table should be used for drilled pier foundation design.

Drilled Pier Foundation Analysis Parameters

Depth		Soil Type	Static Bearing [1]	Side Frictional Resistance [2]	Cohesion	Friction Angle	Effective Unit Weight
Top	Bottom						
(ft)	(ft)		(psf)	(psf)	(psf)	(°)	(pcf)
0	1.7	SM	0	0	0	0	125
1.7	3	SM	2,200	100	0	40	125
3	6	SM	4,000	200	0	40	125
6	10	SM	6,200	300	0	36	122
10	15	SM	8,800	400	0	33	118
15	20	SM	8,800	550	0	32	115
20	23	SM	8,800	700	0	35	122
23	30	SM	8,800	900	0	35	123
30	35	SM	8,800	1,100	0	36	124
35	40	SM	8,800	1,200	0	35	123
40	45	SM	8,800	1,350	0	35	123
45	50	SM	8,800	1,450	0	35	121

[1] The bearing values provided are net allowable with a minimum factor of safety of 3. Bearing may be increased by 1/3 for transient loading (e.g. wind or earthquake loading). If the bearing depth of the foundation is less than 5 diameters below the ground surface the bearing values listed in Table 1 – Shallow Foundation Analysis Parameters should be utilized


[2] The side frictional resistance values provided are allowable with a minimum factor of safety of 2. Side frictional resistance values may be increased by 1/3 for transient loading (e.g. wind or earthquake loading)

Appendix

Site Map



Boring Logs

Project No. 2404627		LOG OF BOREHOLE NO. BH1				Sheet 1 of 2									
CLIENT WhiteRock Holdings LLC		ARCHITECT/ENGINEER													
SITE Summersville, KY		PROJECT Allendale													
REMARKS:		GRAPHIC LOG	SAMPLES				TESTS								
DRILL METHOD: SPT			DEPTH (FEET)	TYPE	BLOWS/6-INCH N - VALUE	IN. DRIVEN IN. RECOVERED	WATER CONTENT (%)	DRY DENSITY PCF	LIQUID LIMIT	PLASTIC LIMIT	UNCONFINED STRENGTH (PSF)	-200 Wash (%)	ORGANICS (%)	COMPACTION (%)	REMARKS
DESCRIPTION OF STRATUM															
Surface Elev.: 0.8 Topsoil, Brown Colored															
Silty Sand (SM), Orangish Brown Colored															
			SS	16-50 50	18/9 50%	15		0	0		32				
			SS	7-10 14	18/18 100%	9									
			SS	12-12 13	18/17 94%	16									
			SS	8-9 9	18/15 83%	12									
			SS	9-7 9	18/18 100%	12									
			SS	14-11 18	18/17 94%	14		0	0		20				
			SS	12-14 18	18/18 100%	14									
Continued Next Page															
WATER LEVEL OBSERVATIONS		 SGS TESTING 17048 Custer Road Suite 102 Omaha, NE 68138 Telephone: 402-575-8885				STARTED	5/8/24	FINISHED	5/8/24						
WL	▽					N/A	DRILL GROUP	DRILL RIG	D-50						
Cave Depth	⊗					38.2	DRILLER	ZG	ASS'T DRILLER	DD					
							LOGGED BY	SK	APPROVED	NF					

GEO.LOG 1 2404627 ALLENDALE.GPJ GEOTECH.GDT 5/15/24

Project No. 2404627		LOG OF BOREHOLE NO. BH1				Sheet 2 of 2									
CLIENT WhiteRock Holdings LLC		ARCHITECT/ENGINEER													
SITE Summersville, KY		PROJECT Allendale													
REMARKS:		GRAPHIC LOG		SAMPLES			TESTS								
DRILL METHOD: SPT				DEPTH (FEET)	TYPE	BLOWS/6-INCH N-VALUE RQD	IN. DRIVEN IN. RECOVERED	WATER CONTENT (%)	DRY DENSITY PCF	LIQUID LIMIT	PLASTIC LIMIT	UNCONFINED STRENGTH (PSF)	-200 Wash (%)	ORGANICS (%)	COMPACTION (%)
DESCRIPTION OF STRATUM (continued)															
		35	SS	16-19 20	18/18 100%	13									
		40	SS	15-17 19	18/10 56%	10									
		45	SS	17-17 20	18/12 67%	11									
50.0 End of Boring		50	SS	17-18 17	18/17 94%	14		0	0		28				

GEOLOG 1 2404627 ALLENDALE.GPJ GEOTECH.GDT 5/16/24

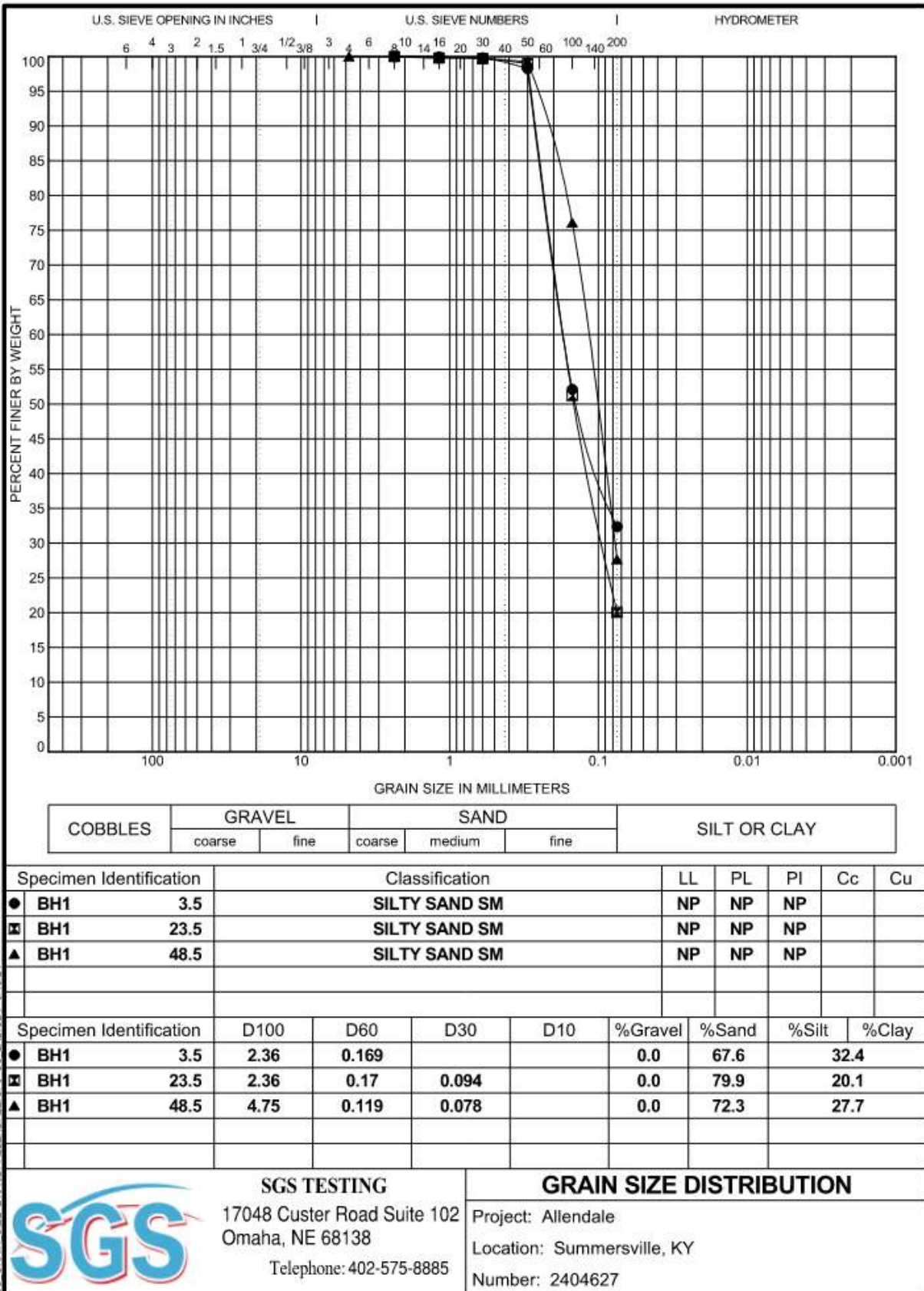
WATER LEVEL OBSERVATIONS	
WL	∇ N/A
Cave Depth	⊠ 38.2



SGS TESTING
 17048 Custer Road Suite 102
 Omaha, NE 68138
 Telephone: 402-575-8885

STARTED	5/8/24	FINISHED	5/8/24
DRILL GROUP	ORATA GROUP	DRILL RIG	D-50
DRILLER	ZG	ASS'T DRILLER	DD
LOGGED BY	SK	APPROVED	NF

Lab Reports



US GRAIN SIZE 2404627 ALLENDALE.GPJ US LAB.GDT 9/15/24



SGS TESTING
 17048 Custer Road Suite 102
 Omaha, NE 68138
 Telephone: 402-575-8885

GRAIN SIZE DISTRIBUTION

Project: Allendale
 Location: Summersville, KY
 Number: 2404627

Seismic Design Values



ASCE Hazards Report

Address:

No Address at This Location

Standard: ASCE/SEI 7-22

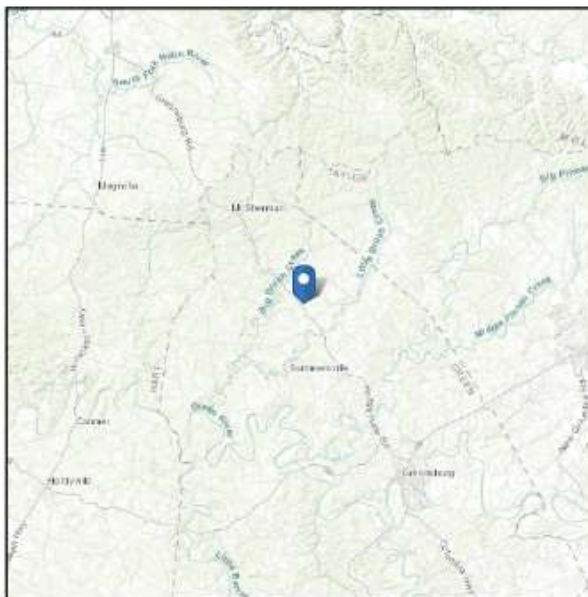
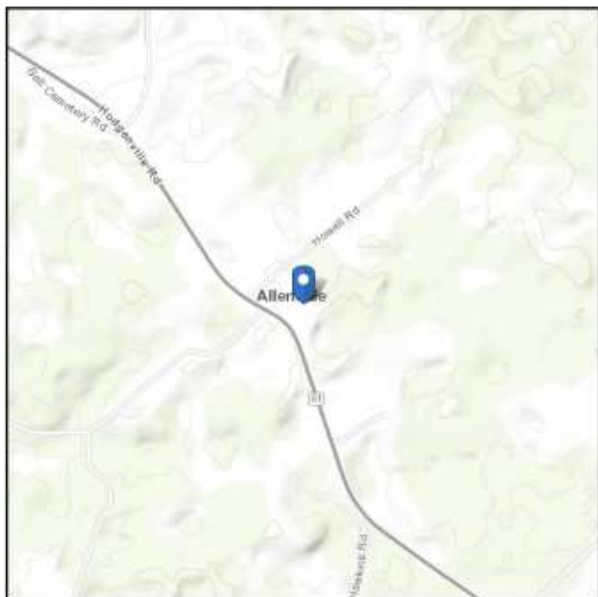
Risk Category: II

Soil Class: D - Stiff Soil

Latitude: 37.370699

Longitude: -85.58154

Elevation: 805.937174556393 ft (NAVD 88)



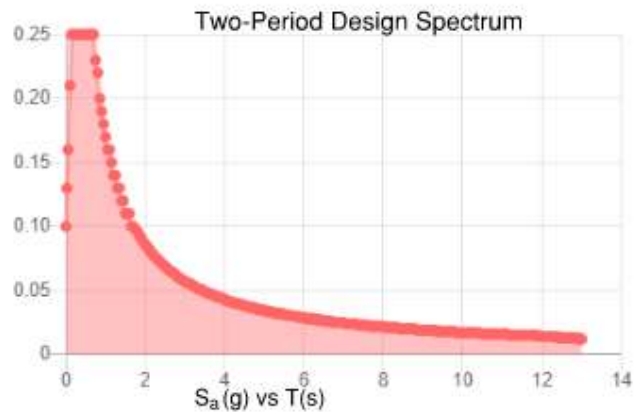
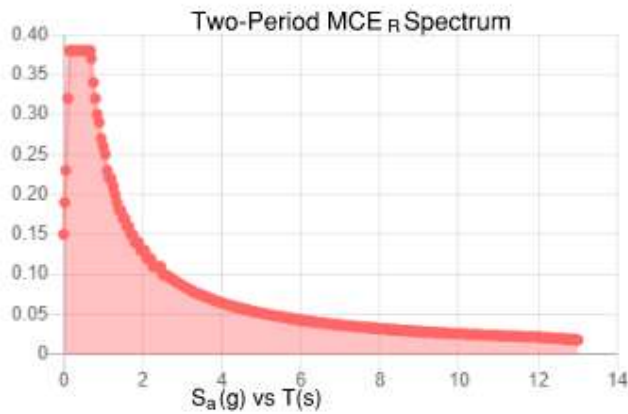
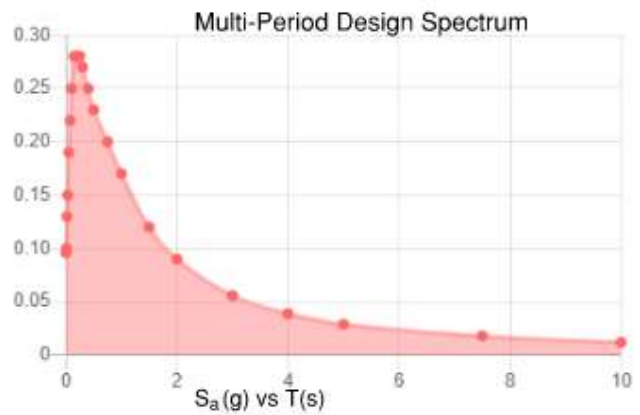
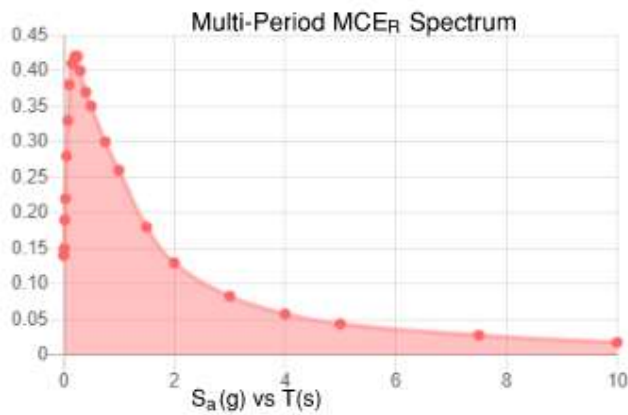


Site Soil Class: D - Stiff Soil

Results:

PGA _M :	0.14	T _L :	12
S _{MS} :	0.38	S _S :	0.3
S _{M1} :	0.26	S ₁ :	0.12
S _{DS} :	0.25	V _{S30} :	260
S _{D1} :	0.17		

Seismic Design Category: C



MCE_R Vertical Response Spectrum

Vertical ground motion data has not yet been made available by USGS.

Design Vertical Response Spectrum

Vertical ground motion data has not yet been made available by USGS.

Directions to Site

DIRECTIONS FROM GREEN COUNTY COURTHOUSE, 203 W COURT ST, GREENSBURG, KY 42743
HEAD NORTHWEST ON W COURT ST TOWARD 2ND ALLEY W (249 FT). TURN RIGHT ONTO N 2ND
ST (0.1 MI). TURN LEFT ONTO W HODGENVILLE AVE (0.2 MI). CONTINUE ONTO OLD HODGENVILLE
RD (0.7 MI). TURN LEFT ONTO KY-61 N/HODGENVILLE RD (8.0 MI). ARRIVE AT 8820 HODGENVILLE
RD., SUMMERSVILLE, KY 42782

Prepared by Westchester Services, LLC, 847-277-0070

MEMORANDUM OF LEASE

THIS MEMORANDUM OF LEASE (this “Memorandum”) is entered into as of the 30 day of August, 2023, by and between Whiterock Holdings, LLC, an Illinois limited liability company (“Whiterock”), and Creason Family Irrevocable Trust (“Lessor”).

RECITALS:

A. Lessor and Whiterock are parties to a Site Lease Agreement, dated August 30, 2023 (the “Lease”), pursuant to which Lessor has leased to Whiterock a portion of that certain real property located in Green County, State of Kentucky, as Parcel # 37-37.01, the exact legal description of which is set forth on Exhibit “A” attached hereto (“Lessor’s Property”).

B. Lessor and Whiterock wish to enter into this Memorandum.

NOW, THEREFORE, in consideration of the sum of Five Dollars (\$5.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Lessor and Whiterock hereby agree as follows:

1. The name of the Lessor under the Lease is Creason Family Irrevocable Trust.
2. The name of the Lessee under the Lease Whiterock Holdings, LLC.
3. The address of Lessor, as stated in the Lease, is 8600 Hodgenville Rd, Summersville, KY 42782. The address of Whiterock, as stated in the Lease, is Whiterock Holdings, LLC, 604 Fox Glen, Barrington, IL 60010.
4. The initial term of the lease is for ten (10) years, with sixteen successive renewal periods of five (5) years each.
5. The portion of Lessor’s Property that constitutes the Leased Premises, as described in the Lease, including access thereto, is more particularly described on Exhibit “B” attached hereto. Whiterock may record an amendment to this Memorandum to reflect any modifications to Exhibit “B” resulting from an as-built survey of the Leased Premises.
6. The Lease grants Whiterock a right of first refusal with respect to the sale or conveyance of any portion of or interest in the Leased Premises.
7. This Memorandum does not modify or supersede any terms or conditions of the Lease.

(Signatures continue on the following 2 pages)

IN WITNESS WHEREOF, the undersigned LESSOR has duly executed this Memorandum under seal as of the first date stated above.

LESSOR:
CREASON FAMILY IRREVOCABLE TRUST

By: Kathy Chase (signed)
Kathy Chase (printed)
Its: Trustee

By: Tonya Patterson (signed)
Tonya Patterson (printed)
Its: Trustee

STATE OF Kentucky)
)SS:
COUNTY OF Green)

Before me, a Notary Public in and for said County and State, personally appeared Kathy Chase + Tonya Patterson the Trustees of Creason Family Irr. Trust who acknowledged and signed the foregoing Memorandum of Lease and their signing was a free act.

(Seal)

Erinifer Davenport #45119
Signature of Notarial Officer

My Commission Expires: 2/19/2026

**Exhibit "A" to
Memorandum of Lease**

(Legal Description of Lessor's Property)

SITUATED IN THE COUNTY OF GREEN AND STATE OF KENTUCKY AND DESCRIBED AS FOLLOWS:

BOUNDARY TWELVE:

A CERTAIN TRACT OR PARCEL OF LAND LYING AND BEING IN THE COMMUNITY OF ALLENDALE GREEN COUNTY, KENTUCKY, AND BEING DESCRIBED AS FOLLOWS: BEGINNING AT AN IRON PIN ON THE NORTHEAST SIDE OF KENTUCKY HIGHWAY #61, CORNER OF CHARLES L. NOE AND THOMAS L. NOE PROPERTY (DEED BOOK 151, PAGE 611); THENCE WITH THE LINES OF SAID NOE PROPERTY AS FOLLOWS: NORTH 51 DEGREES 59 MINUTES EAST 626.3 FEET TO A POST NORTH 41 DEGREES 31 MINUTES WEST 266.5 FEET TO AN IRON PIN ON THE NORTHWEST SIDE OF A LANE; THENCE CONTINUING WITH THE LINES OF SAID NOE PROPERTY AND WITH THE NORTHWEST SIDE OF SAID LANE AS FOLLOWS: NORTH 54 DEGREES 28 MINUTES EAST 1185.7 FEET; NORTH 50 DEGREES 54 MINUTES EAST 755.2 FEET TO AN IRON PIN; THENCE CROSSING SAID LANE SOUTH 61 DEGREES 26 MINUTES EAST 41.0 FEET TO AN IRON PIN IN A FENCE LINE; THENCE CONTINUING WITH A LINE OF SAID NOE PROPERTY AND WITH SAID FENCE LINE NORTH 52 DEGREES 27 MINUTES EAST 1561.6 FEET TO A POST IN THE LINE OF SAID NOE PROPERTY, CORNER OF THE MILTON JUDD PROPERTY (DEED BOOK 142, PAGE 92); THENCE WITH THE LINE OF SAID JUDD PROPERTY AND THEN WITH THE LINE OF THE DANNIE K. NELSON PROPERTY (DEED BOOK 126, PAGE 465) SOUTH 33 DEGREES 34 MINUTES EAST 768.1 FEET TO A POST, CORNER OF SAID NELSON PROPERTY; THENCE CONTINUING WITH THE LINES OF SAID NELSON PROPERTY AND THEN WITH THE LINE OF THE KENNETH RAY HODGES PROPERTY AS FOLLOWS: SOUTH 41 DEGREES 01 MINUTES WEST 606.4 FEET TO A HICKORY TREE; SOUTH 32 DEGREES 48 MINUTES EAST 194.3 FEET TO A POST; SOUTH 47 DEGREES 00 MINUTES EAST 1924.6 FEET TO A STONE IN THE LINE OF SAID HODGES PROPERTY, CORNER OF THE JUANITA HODGES SIMPSON PROPERTY; THENCE WITH THE LINE OF SAID SIMPSON PROPERTY SOUTH 50 DEGREES 05 MINUTES WEST 1299.2 FEET TO AN IRON PIN IN THE LINE OF SAID SIMPSON PROPERTY, SAID IRON PIN BEING A NEW DIVISION CORNER IN THE FRANK W. BROOKSHIRE PROPERTY (DEED BOOK 120, PAGE 539); THENCE WITH NEW DIVISION LINES IN SAID BROOKSHIRE PROPERTY AS FOLLOWS: NORTH 31 DEGREES 34 MINUTES WEST 618.0 FEET TO A POST; NORTH 46 DEGREES 09 MINUTES WEST 65.6 FEET TO A POST; SOUTH 68 DEGREES 04 MINUTES WEST 486.9 FEET TO A POST; NORTH 28 DEGREES 26 MINUTES WEST 199.4 FEET TO A POST; SOUTH 58 DEGREES 40 MINUTES WEST 769.6 FEET TO A POST; SOUTH 66 DEGREES 44 MINUTES WEST 69.4 FEET TO A SYCAMORE TREE; SOUTH 79 DEGREES 58 MINUTES WEST 63.1 FEET TO AN IRON PIN; NORTH 25 DEGREES 09 MINUTES WEST 409.3 FEET TO A POST; SOUTH 70 DEGREES 59 MINUTES WEST 925.3 FEET TO A POST; NORTH 23 DEGREES 03 MINUTES WEST 330.7 FEET TO A POST; NORTH 28 DEGREES 48 MINUTES WEST 233.9 FEET TO A POST; SOUTH 42 DEGREES 30 MINUTES WEST 317.5 FEET TO A POST; SOUTH 34 DEGREES 20 MINUTES WEST 12.2 FEET TO A POST; SOUTH 57 DEGREES 47 MINUTES WEST 168.2 FEET TO A SPIKE ON THE NORTHEAST SIDE OF SAID KENTUCKY HIGHWAY #61 AND BEING A NEW DIVISION CORNER IN SAID BROOKSHIRE PROPERTY; THENCE WITH THE NORTHEAST SIDE OF SAID KENTUCKY HIGHWAY #61 AS FOLLOWS: NORTH 23 DEGREES 02 MINUTES WEST 53.4 FEET; NORTH 27 DEGREES 54 MINUTES WEST 56.7 FEET; NORTH 34 DEGREES 54 MINUTES WEST 88.9 FEET; NORTH 43 DEGREES 43 MINUTES WEST 81.2 FEET; NORTH 51 DEGREES 19 MINUTES WEST 70.9 FEET; NORTH 55 DEGREES 59 MINUTES WEST 79.4 FEET; NORTH 58 DEGREES 40 MINUTES WEST 63.5 FEET TO THE BEGINNING CONTAINING 174.35 ACRES, MORE OR LESS, ACCORDING TO A SURVEY BY ROBERT L. MILLER, JR., SURVEYOR NO. 2282 ON JANUARY 28, 1991

Tax ID: 37-37.01

BEING A PORTION OF THE SAME PROPERTY CONVEYED TO CREASON FAMILY IRREVOCABLE TRUST, DATED JUNE 4, 2021, BY AND THROUGH TRUSTEE KATHY J. CHASE AND TONYA M. PATTERSON, GRANTEE, FROM RANDEL JAY CREASON AND HIS WIFE JUDY LANE CREASON, GRANTOR, BY CORRECTION DEED RECORDED 09/10/2021, AS BOOK D263, PAGE 179 OF THE COUNTY RECORDS.

BEING A PORTION OF THE SAME PROPERTY CONVEYED TO CREASON FAMILY IRREVOCABLE TRUST, DATED JUNE 4, 2021, BY AND THROUGH TRUSTEE KATHY J. CHASE AND TONYA M. PATTERSON, GRANTEE, FROM RANDEL JAY CREASON AND HIS WIFE JUDY LANE CREASON, GRANTOR, BY DEED OF CONVEYANCE RECORDED 07/01/2021, AS BOOK D262, PAGE 443 OF THE COUNTY RECORDS.

Notification List

Parcel Number 37-37.01
 CREASON FAMILY IRR TRUST % KATHY CHASE
 777 MILBY RATTLIFF RD
 SUMMERSVILLE, KY 42782

Summary

Parcel Number: 37-37.01
 Account Number: 53213
 Location Address: HOODENVILLE RD
 Description: 174.35A.2 BARNS CHICKEN HSE
 (Note: Not to be used on legal documents)
 Class: FARM (50)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

Owner

CREASON FAMILY IRR TRUST % KATHY CHASE
 777 MILBY RATTLIFF RD
 SUMMERSVILLE, KY 42782

Land Characteristics

Tax Roll Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
7/1/2021	\$0	263	179	CREASON FAMILY IRR TRUST	CREASON RANDEL J & JUDY
1/1/1993	\$95,000	170	304	CREASON RANDEL J & JUDY	BROOKSHIRE FRANK & LANN

Parcel Number 37-37.03
 NOE CHARLES & THOMAS & KRISTEN
 609 TAYLOR CHAPEL RD
 SUMMERSVILLE, KY 42782

Summary

Parcel Number: 37-37.03
 Account Number: 53214
 Location Address: TAYLOR CHAPEL RD
 Description: 110A/BARNS/GARAGE
 (Note: Not to be used on legal documents)
 Class: FARM (20)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

Owner

NOE CHARLES & THOMAS & KRISTEN
 609 TAYLOR CHAPEL RD
 SUMMERSVILLE, KY 42782

Land Characteristics

Tax Roll Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
11/1/1985	\$0	151	611	NOE CHARLES & THOMAS	R MCCUBBIN

Parcel Number 37-13
 CREASON FAMILY IRR TRUST % KATHY CHASE
 777 MILBY RATTLIFF RD
 SUMMERSVILLE, KY 42782

qPublic.net™ Green County, KY PVA Elizabeth Williams Search search_

Layers Map Search Results **Report** Sales Search Sales List Sales Results Home

Summary

Parcel Number: 37-13
 Account Number: 53166
 Location Address: LENA WARD RD
 Description: 75A BARN
(Note: Not to be used on legal documents)
 Class: FARM (20)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

CREASON FAMILY IRR TRUST % KATHY CHASE
 777 MILBY RATTLIFF RD
 SUMMERSVILLE, KY 42782

Land Characteristics

Tax Roll Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
7/3/2021	\$0	263	179	CREASON FAMILY IRR TRUST	CREASON RANDEL J & JUDY
4/1/2000	\$70,000	191	22	CREASON RANDEL J & JUDY	JUDD JERRY L

Information



Green County, KY
 103 South 1st Street
 Greensburg, KY 42743

Property Valuation Administrator
 Sean D. Curry
 270-932-7518

Announcements

[How to use the Beacon site - view Demo Videos](#)

Parcel Number 37-32
 NELSON DANNIE & ALICE JANE
 670 DANNY NELSON LANE
 GREENSBURG, KY 42743

qPublic.net™ Green County, KY PVA Elizabeth Williams Search search_

Layers Map Search Results **Report** Sales Search Sales List Sales Results Home

Summary

Parcel Number: 37-32
 Account Number: 53204
 Location Address: 670 DANNY NELSON LANE
 Description: 100A BR HSE 2 BARNS TOOL SHED
(Note: Not to be used on legal documents)
 Class: FARM (20)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

NELSON DANNIE & ALICE JANE
 670 DANNY NELSON LANE
 GREENSBURG, KY 42743

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
8/1/1972	\$0	118	545	NELSON DANNIE & ALICE JANE	

Information



Green County, KY
 103 South 1st Street
 Greensburg, KY 42743

Property Valuation Administrator
 Sean D. Curry
 270-932-7518

Announcements

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Parcel Number 37-33.02
 NELSON DANNIE & ALICE JANE
 670 DANNY NELSON LANE
 GREENSBURG, KY 42743

qPublic.net™ Green County, KY PVA Elizabeth Williams Search search...

Layers Map Search Results **Report** Sales Search Sales List Sales Results Home

Summary

Parcel Number: 37-33.02
 Account Number: 53207
 Location Address: COAKLEY RD
 Description: 40A/NPB
(Note: Not to be used on legal documents)
 Class: FARM (20)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

NELSON DANNIE & ALICE JANE
 670 DANNY NELSON LANE
 GREENSBURG, KY 42743

Land Characteristics

Tax Roll Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
11/3/2008	\$150,000	224	27	NELSON DANNIE & ALICE JANE	RELIFORD GREG & BEVERLY

Information



Green County, KY
 103 South 1st Street
 Greensburg, KY 42743

Property Valuation
 Administrator
 Sean D. Curry
 270-932-7518

Announcements

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Parcel Number 37-33
 RELIFORD JAMES GREGORY
 210 WINDY HILLS ROAD
 GREENSBURG, KY 42743

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Home

Summary

Parcel Number: 37-33
 Account Number: 53205
 Location Address: 210 WINDY HILL
 Description: 28A/HSE/BARN
(Note: Not to be used on legal documents)
 Class: FARM (20)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

RELIFORD JAMES GREGORY
 210 WINDY HILLS ROAD
 GREENSBURG, KY 42743

Land Characteristics



Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
9/11/2017	\$0	249	784	RELIFORD JAMES GREGORY	RELIFORD GREG & BEVERLY
1/1/2002	\$190,000	197	192	RELIFORD GREG & BEVERLY	MEARS C R
1/1/1987	\$0			MEARS C R	L MEARS

Information

Green County, KY
 103 South 1st Street
 Greensburg, KY 42743

Property Valuation
 Administrator
 Sean D. Curry
 270-932-7518

Announcements

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Parcel Number 37-35
 HODGES DAVID & DANIEL
 7015 HODGENVILLE RD
 GREENSBURG, KY 42743

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Layers ▾ Map Search Results **Report** Sales Search Sales List Sales Results Home

Summary

Parcel Number: 37-35
 Account Number: 53210
 Location Address: 363 COAKLEY RD
 Description: 78A/HSE/BARN/GARAGE
(Note: Not to be used on legal documents)
 Class: FARM (20)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

HODGES DAVID & DANIEL
 7015 HODGENVILLE RD
 GREENSBURG, KY 42743

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
7/17/2015	\$0	246	134	HODGES DAVID & DANIEL	HODGES JUANITA
1/1/1970	\$0	114	580	HODGES JUANITA	



02/23/2011

Information



Green County, KY
 103 South 1st Street
 Greensburg, KY 42743

Property Valuation Administrator
[Sean D. Curry](#)
 270-932-7518

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Parcel Number 37-37
 CREASON FAMILY IRR TRUST % KATHY CHASE
 777 MILBY RATLIFF RD
 SUMMERSVILLE, KY 42782

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Layers ▾ Map Search Results **Report** Sales Search Sales List Sales Results Home

Summary

Parcel Number: 37-37
 Account Number: 53212
 Location Address: 8600 HODGENVILLE RD
 Description: 74-45A BR HSE BARN SHEDS
(Note: Not to be used on legal documents)
 Class: FARM (20)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

CREASON FAMILY IRR TRUST % KATHY CHASE
 777 MILBY RATLIFF RD
 SUMMERSVILLE, KY 42782


Land Characteristics

Tax Roll Information

Improvement Information


Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
7/1/2021	\$0	263	179	CREASON FAMILY IRR TRUST	CREASON RANDEL J & JUDY
10/1/2001	\$180,000	196	116	CREASON RANDEL J & JUDY	BROOKSHIRE ANN



02/23/2011

Information



Green County, KY
 103 South 1st Street
 Greensburg, KY 42743

Property Valuation Administrator
[Sean D. Curry](#)
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Parcel Number 37-37.02
 CHASE BARRY
 8820 HODGENVILLE RD
 SUMMERSVILLE, KY 42782

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Home

Summary

Parcel Number: 37-37.02
 Account Number: 53214
 Location Address: 8820 HODGENVILLE RD
 Description: 3.93A/HSE
(Note: Not to be used on legal documents)
 Class: RESIDENTIAL (10)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

CHASE BARRY
 8820 HODGENVILLE RD
 SUMMERSVILLE, KY 42782

Land Characteristics


Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
3/1/1992	\$35,000	167	786	CHASE BARRY	BROOKSHIRE FRANK

Information



Green County, KY
 103 South 1st Street
 Greensburg, KY 42743

Property Valuation Administrator
[Sean D. Curry](#)
 270-932-7510

Announcements

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Parcel Number 37-37.15
 CAMPBELL RHONDA G
 8757 HODGENVILLE RD
 SUMMERSVILLE, KY 42782

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Home

Summary

Parcel Number: 37-37.15
 Account Number: 53227
 Location Address: 8757 HODGENVILLE RD
 Description: 2.5A/HSE/BARN
(Note: Not to be used on legal documents)
 Class: RESIDENTIAL (10)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

CAMPBELL RHONDA G
 8757 HODGENVILLE RD
 SUMMERSVILLE, KY 42782

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
1/18/2007	\$103,000	217	750	CAMPBELL RHONDA G	DIXON MATTHEW & VIOLET
4/1/1995	\$62,000			DIXON MATTHEW & VIOLET	ALEXANDER CARL LEWIS & SHELIA
6/1/1977	\$0			ALEXANDER CARL LEWIS & SHELIA	HOWELL-BELL

Information



Green County, KY
 103 South 1st Street
 Greensburg, KY 42743

Property Valuation Administrator
[Sean D. Curry](#)
 270-932-7510

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Parcel Number 37-37.13
 MIKE & KEITH'S USED CARS, LLC
 8883 HODGENVILLE ROAD
 SUMMERSVILLE, KY 42782


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Layers Map Search Results **Report** Sales Search Sales List Sales Results Home


Summary

Parcel Number: 37-37.13
 Account Number: 59517
 Location Address: 8883 HODGENVILLE RD
 Description: 1.617AC/STORE BLD
(Note: Not to be used on legal documents)
 Class: COMMERCIAL (40)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)



Information



Green County, KY
 103 South 1st Street
 Greensburg, KY 42743

Property Valuation
 Administrator
 Sean D. Curry
 270-932-7518

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Owner
 MIKE & KEITH'S USED CARS, LLC
 8883 HODGENVILLE ROAD
 SUMMERSVILLE, KY 42782

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
7/6/2016	\$85,000	246	521	MIKE & KEITH'S USED CARS, LLC	ESTES RONNIE JOE & BRENDA

Parcel Number 37-37.09
 ESTES KEVIN & KEITH & KIMBERLY WILSON C/O RONNIE & BRENDA ESTES
 8885 HODGENVILLE RD
 SUMMERSVILLE, KY 42782

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Home

Summary

Parcel Number: 37-37.09
 Account Number: 53222
 Location Address: 8885 HODGENVILLE RD
 Description: 1.422AC/HSE
(Note: Not to be used on legal documents)
 Class: RESIDENTIAL (10)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)



Information



Green County, KY
 103 South 1st Street
 Greensburg, KY 42743

Property Valuation
 Administrator
 Sean D. Curry
 270-932-7518

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Owner
 ESTES KEVIN & KEITH & KIMBERLY WILSON
 C/O RONNIE & BRENDA ESTES
 8885 HODGENVILLE RD
 SUMMERSVILLE, KY 42782

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
6/17/2024	\$0	272	542	ESTES KEVIN & KEITH & KIMBERLY WILSON	ESTES RONNIE JOE & BRENDA
10/1/1995	\$28,905	177	607	ESTES RONNIE JOE & BRENDA	ESTES ANNA JONELL & A VERNUS
4/1/1990	\$0			ESTES ANNA JONELL & A VERNUS	HORNBACK ELROY

Parcel Number 37-39
 SMITH RICKY & LINDA
 8909 HODGENVILLE RD
 SUMMERSVILLE, KY 42782

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Home

Summary

Parcel Number: 37-39
 Account Number: 53230
 Location Address: 8909 HODGENVILLE RD
 Description: 1.39A/HSE/GARAGE
(Note: Not to be used on legal documents)
 Class: RESIDENTIAL (10)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

SMITH RICKY & LINDA
 8909 HODGENVILLE RD
 SUMMERSVILLE, KY 42782

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
7/1/1996	\$28,000	179	788	SMITH RICKY & LINDA	BROOKSHIRE FRANK & ANN
7/1/1991	\$28,000			BROOKSHIRE FRANK & ANN	BROOKSHIRE FRANK

Information



Green County, KY
 103 South 1st Street
 Greensburg, KY 42743

Property Valuation Administrator
[Sean D. Curry](#)
 270-932-7518

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Parcel Number 37-42.02
 GADDIE TYLER L
 8991 HODGENVILLE RD
 SUMMERSVILLE, KY 42782

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Home

Summary

Parcel Number: 37-42.02
 Account Number: 53236
 Location Address: 8991 HODGENVILLE RD
 Description: .4A/HSE/BARN
(Note: Not to be used on legal documents)
 Class: RESIDENTIAL (10)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

GADDIE TYLER L
 8991 HODGENVILLE RD
 SUMMERSVILLE, KY 42782

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
5/22/2015	\$80,500	243	498	GADDIE TYLER L	SKAGGS BILLY & DEBRA

Information



Green County, KY
 103 South 1st Street
 Greensburg, KY 42743

Property Valuation Administrator
[Sean D. Curry](#)
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Announcements

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Parcel Number 37-37.03
 NOE CHARLES & THOMAS & KRISTEN
 609 TAYLOR CHAPEL RD
 SUMMERSVILLE, KY 42782

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Home

Summary

Parcel Number 37-37.03
 Account Number 53216
 Location Address TAYLOR CHAPEL RD
 Description 110A/BARN/GARAGE
 (Note: Not to be used on legal documents)
 Class FARM (20)
 Tax District 00-County
 Rate Per Thousand 10.4084

[View Map](#)

Owner

NOE CHARLES & THOMAS & KRISTEN
 609 TAYLOR CHAPEL RD
 SUMMERSVILLE, KY 42782

Land Characteristics

Tax Roll Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
11/1/1985	\$0	151	611	NOE CHARLES & THOMAS	R MCCUBBIN



02/23/2011

Information



Green County, KY
 103 South 1st Street
 Greensburg, KY 42743

Property Valuation
 Administrator
 Sean D. Curry
 270-932-7518

Announcements

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Parcel Number 37-37.16
 NOE THOMAS L & K KRISTEN
 P O BOX 132
 SUMMERSVILLE, KY 42782

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Home

Summary

Parcel Number 37-37.16
 Account Number 53228
 Location Address 9004 HODGENVILLE RD
 Description 1.98A/HSE/GARAGE
 (Note: Not to be used on legal documents)
 Class RESIDENTIAL (10)
 Tax District 00-County
 Rate Per Thousand 10.4084

[View Map](#)

Owner

NOE THOMAS L & K KRISTEN
 P O BOX 132
 SUMMERSVILLE, KY 42782


Land Characteristics

Tax Roll Information

Improvement Information


Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
8/1/1993	\$0	171	725	NOE THOMAS L & K KRISTEN	NOE CHARLES & THOMAS



02/23/2011

Information



Green County, KY
 103 South 1st Street
 Greensburg, KY 42743

Property Valuation
 Administrator
 Sean D. Curry
 270-932-7518

Announcements

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Parcel Number 37-37.02(1)
 CHASE BARRY
 8820 HODGENVILLE RD
 SUMMERSVILLE, KY 42782

Summary

Parcel Number 37-37.02(1)
 Account Number 53215
 Location Address 8820 HODGENVILLE RD
 Description GARAGE (BODY SHOP)
 (Note: Not to be used on legal documents)
 Class COMMERCIAL (40)
 Tax District 00-County
 Rate Per Thousand 10.4084
 Map Not Available



Information



Green County, KY
 103 South 1st Street
 Greensburg, KY 42743

Property Valuation
 Administrator
 Sean D. Curry
 270-932-7518

Announcements

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Owner

CHASE BARRY
 8820 HODGENVILLE RD
 SUMMERSVILLE, KY 42782

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
1/1/1900	\$0			CHASE BARRY	



www.clarkquinnlaw.com

Russell L. Brown
Attorney at Law
rbrown@clarkquinnlaw.com

320 N. Meridian St., Ste. 1100
Indianapolis, IN 46204
(317) 637-1321 main
(317) 687-2344 fax

September 10, 2024

**Notice of Proposed Construction of
Wireless Communications Facility
Site Name: Allendale**

Cellco Partnership, d/b/a Verizon Wireless and WhiteRock Holdings, LLC propose to construct a wireless communications facility on a site located at 8820 Hogenville Road, Summersville, KY 42782 (North Latitude: 37° 22' 14.258", West Longitude 85° 34' 53.954"). The proposed facility will include a 255-foot-tall self-support tower, plus a 5-foot lightning arrestor and related ground facilities. The site's name is Allendale.

This notice is being sent to you because the County Property Valuation Administrator's records indicate that you may own property that is within a 500' radius of the proposed tower site or is contiguous to the property on which the tower is to be constructed. You have a right to submit testimony to the Kentucky Public Service Commission ("PSC"), either in writing or to request intervention in the PSC's proceedings on the application. You may contact the PSC for additional information concerning this matter at: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2024-00293 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. Applicant's radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us at 317-637-1321 if you have any comments or questions about this proposal.

Sincerely,
Russell L. Brown

A handwritten signature in black ink, appearing to read 'RLB'.

Attorney for Applicant
RLB/jj
Enclosure

Location Map



 Clark, Quinn, Moses, Scott & Grahn, LLP
320 North Meridian Street, Suite 1100
Indianapolis, Indiana 46204-1729



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NELSON DANNIE & ALICE JANE
670 DANNY NELSON LANE
GREENSBURG, KY 42743

 Clark, Quinn, Moses, Scott & Grahn, LLP
320 North Meridian Street, Suite 1100
Indianapolis, Indiana 46204-1729



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SUMMERSVILLE, KY 42782

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ESTES KEVIN & KEITH
& KIMBERLY WILSON
C/O RONNIE & BRENDA ESTES
8885 HODGENVILLE RD
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<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
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<input type="checkbox"/> Certified Mail Restricted Delivery	\$
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Total Postage at	\$ 9.64

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Street and Apt. NOE CHARLES & THOMAS & KRISTEN
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City, State, ZIP+4 SUMMERSVILLE, KY 42782

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<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postmark
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Postage	\$.69
Total Postage at	\$ 9.64

Sent To
Street and Apt. # NELSON DANNIE & ALICE JANE
670 DANNY NELSON LANE
City, State, ZIP+4 GREENSBURG, KY 42743

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Certified Mail Fee	\$ 4.85
Extra Services & Fees (check box, add fees as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 4.10
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postmark
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Postage	\$.69
Total Postage at	\$ 9.64

Sent To
Street and Apt. # RELIFORD JAMES GREGORY
210 WINDY HILLS ROAD
City, State, ZIP+4 GREENSBURG, KY 42743

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Certified Mail Fee	\$ 4.85
Extra Services & Fees (check box, add fees as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 4.10
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

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Postage	\$.69
Total Postage at	\$ 9.64

Sent To
Street and Apt. # HODGES DAVID & DANIEL
7015 HODGENVILLE RD
City, State, ZIP+4 GREENSBURG, KY 42743

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Certified Mail Fee	\$ 4.85
Extra Services & Fees (check box, add fees as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 4.10
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

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Here

Postage	\$.69
Total Postage at	\$ 9.64

Sent To
Street and Apt. # CHASE BARRY
8820 HODGENVILLE RD
City, State, ZIP+4 SUMMERSVILLE, KY 42782

9589 0710 5270 1210 3302 67

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$ 4.85
Extra Services & Fees (check box, add fees as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 4.10
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postmark
Here

Postage	\$.69
Total Postage and	
Sent To	\$ 9.64

Street and Apt. No. CAMPBELL RHONDA G
8757 HODGENVILLE RD
City, State, ZIP+4® SUMMERSVILLE, KY 42782

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1210 3302 81

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$ 4.85
Extra Services & Fees (check box, add fees as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 4.10
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postmark
Here

Postage	\$.69
Total Postage and	
Sent To	\$ 9.64

Street and Apt. No. MIKE & KEITH'S USED CARS, LLC
8883 HODGENVILLE ROAD
City, State, ZIP+4® SUMMERSVILLE, KY 42782

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1210 3302 98

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$ 4.85
Extra Services & Fees (check box, add fees as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 4.10
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postmark
Here

Postage	\$.69
Total Postage and	
Sent To	\$ 9.64

Street and Apt. No. ESTES KEVIN & KEITH
& KIMBERLY WILSON
C/O RONNIE & BRENDA ESTES
8885 HODGENVILLE RD
City, State, ZIP+4® SUMMERSVILLE, KY 42782

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1210 3303 04

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$ 4.85
Extra Services & Fees (check box, add fees as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 4.10
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postmark
Here

Postage	\$.69
Total Postage and	
Sent To	\$ 9.64

Street and Apt. No. SMITH RICKY & LINDA
8909 HODGENVILLE RD
City, State, ZIP+4® SUMMERSVILLE, KY 42782

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1210 3303 11

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$ 4.85
Extra Services & Fees (check box, add fees as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 4.10
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postmark
Here

Postage	\$.69
Total Postage and	
Sent To	\$ 9.64

Street and Apt. No. GADDIE TYLER L
8991 HODGENVILLE RD
City, State, ZIP+4® SUMMERSVILLE, KY 42782

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1210 3303 28

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$ 4.85
Extra Services & Fees (check box, add fees as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 4.10
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postmark
Here

Postage	\$.69
Total Postage and	
Sent To	\$ 9.64

Street and Apt. No. NOE THOMAS L & K KRISTEN
P O BOX 132
City, State, ZIP+4® SUMMERSVILLE, KY 42782

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

NOE THOMAS L & K KRISTEN
 P O BOX 132
 SUMMERSVILLE, KY 42782



9590 9402 9085 4122 6623 60

2. Article Number (Transfer from service label)

9589 0710 5270 1210 3303 28

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Agent

Addressee

B. Received by (Printed Name)

Tom Noe

C. Date of Delivery

9/17/24

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

Adult Signature

Adult Signature Restricted Delivery

Certified Mail®

Certified Mail Restricted Delivery

Collect on Delivery

Collect on Delivery Restricted Delivery

Insured Mail

Insured Mail Restricted Delivery

Priority Mail Express®

Registered Mail™

Registered Mail Restricted Delivery

Signature Confirmation™

Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

ESTES KEVIN & KEITH
 & KIMBERLY WILSON
 C/O RONNIE & BRENDA ESTES
 8885 HODGENVILLE RD
 SUMMERSVILLE, KY 42782



9590 9402 9085 4122 6624 07

2. Article Number (Transfer from service label)

9589 0710 5270 1210 3302 98

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Agent

Addressee

B. Received by (Printed Name)

Kevin Estes

C. Date of Delivery

9-13-24

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

Adult Signature

Adult Signature Restricted Delivery

Certified Mail®

Certified Mail Restricted Delivery

Collect on Delivery

Collect on Delivery Restricted Delivery

Insured Mail

Insured Mail Restricted Delivery

Priority Mail Express®

Registered Mail™

Registered Mail Restricted Delivery

Signature Confirmation™

Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

SMITH RICKY & LINDA
 8909 HODGENVILLE RD
 SUMMERSVILLE, KY 42782



9590 9402 9085 4122 6623 91

2. Article Number (Transfer from service label)

9589 0710 5270 1210 3303 04

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Agent

Addressee

B. Received by (Printed Name)

Ricky Smith

C. Date of Delivery

9-13-24

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

Adult Signature

Adult Signature Restricted Delivery

Certified Mail®

Certified Mail Restricted Delivery

Collect on Delivery

Collect on Delivery Restricted Delivery

Insured Mail

Insured Mail Restricted Delivery

Priority Mail Express®

Registered Mail™

Registered Mail Restricted Delivery

Signature Confirmation™


Signature Confirmation Restricted Delivery


Domestic Return Receipt


SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> <i>Kathy Chase</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Kathy Chase</i></p> <p>C. Date of Delivery <i>9-13-20</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>CREASON FAMILY IRR TRUST % KATHY CHASE 777 MILBY RATTLIFF RD SUMMERSVILLE, KY 42782</p>  <p>9590 9402 9085 4122 6624 83</p>	<p>3. Service Type</p> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Mail Restricted Delivery
<p>2. Article Number (Transfer from service label)</p> <p>9589 0710 5270 1210 3307 17</p>	
<p>PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt</p>	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> <i>Kathy Chase</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Kathy Chase</i></p> <p>C. Date of Delivery <i>9-13-20</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>CHASE BARRY 8820 HODGENVILLE RD SUMMERSVILLE, KY 42782</p>  <p>9590 9402 9085 4122 6624 38</p>	<p>3. Service Type</p> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Mail Restricted Delivery
<p>2. Article Number (Transfer from service label)</p> <p>9589 0710 5270 1210 3302 74</p>	
<p>PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt</p>	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> <i>Mike and Keith's Used Cars</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Mike</i></p> <p>C. Date of Delivery <i>9-13-20</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>MIKE & KEITH'S USED CARS, LLC 8883 HODGENVILLE ROAD SUMMERSVILLE, KY 42782</p>  <p>9590 9402 9085 4122 6624 14</p>	<p>3. Service Type</p> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Mail Restricted Delivery
<p>2. Article Number (Transfer from service label)</p> <p>9589 0710 5270 1210 3302 81</p>	
<p>PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt</p>	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature <input checked="" type="checkbox"/> <i>Charles Noe</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to:	B. Received by (Printed Name)	C. Date of Delivery
NOE CHARLES & THOMAS & KRISTEN 609 TAYLOR CHAPEL RD SUMMERSVILLE, KY 42782		
 9590 9402 9085 4122 6624 69	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
2. Article Number (Transfer from service label)	3. Service Type	
9589 0710 5270 1210 3307 24	<input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Mail Restricted Delivery	
PS Form 3811, July 2020 PSN 7530-02-000-9053		
		Domestic Return Receipt

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature <input checked="" type="checkbox"/> <i>Alice Nelson</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee	
1. Article Addressed to:	B. Received by (Printed Name)	C. Date of Delivery
NELSON DANNIE & ALICE JANE 670 DANNY NELSON LANE GREENSBURG, KY 42743	Alice NELSON	9-14-24
 9590 9402 9085 4122 6624 76	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No	
2. Article Number (Transfer from service label)	3. Service Type	
9589 0710 5270 1210 3307 31	<input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Mail Restricted Delivery	
PS Form 3811, July 2020 PSN 7530-02-000-9053		
		Domestic Return Receipt

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature <input checked="" type="checkbox"/> <i>Tyler L Gaddie</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to:	B. Received by (Printed Name)	C. Date of Delivery
GADDIE TYLER L 8991 HODGENVILLE RD SUMMERSVILLE, KY 42782	Tyler L Gaddie	9-14-24
 9590 9402 9085 4122 6623 84	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
2. Article Number (Transfer from service label)	3. Service Type	
9589 0710 5270 1210 3303 11	<input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Mail Restricted Delivery	
PS Form 3811, July 2020 PSN 7530-02-000-9053		
		Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

HODGES DAVID & DANIEL
7015 HODGENVILLE RD
GREENSBURG, KY 42743



9590 9402 9085 4122 6624 45

2. Article Number (Transfer from service label)

9589 0710 5270 1210 3302 50

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *David Hodges*

Agent

Addressee

B. Received by (Printed Name)

DAVID HODGES

C. Date of Delivery

9-14-24

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

Adult Signature

Adult Signature Restricted Delivery

Certified Mail®

Certified Mail Restricted Delivery

Collect on Delivery

Collect on Delivery Restricted Delivery

Priority Mail Express®

Registered Mail™

Registered Mail Restricted Delivery

Signature Confirmation™

Signature Confirmation Restricted Delivery

Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

CAMPBELL RHONDA G
8757 HODGENVILLE RD
SUMMERSVILLE, KY 42782



9590 9402 9085 4122 6624 21

2. Article Number (Transfer from service label)

9589 0710 5270 1210 3302 67

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Rhonda Campbell

- Agent
- Addressee

B. Received by (Printed Name)

C. Date of Delivery

9-10-24

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

USPS Tracking®

[FAQs >](#)

Tracking Number:

[Remove X](#)

9589071052701210330748

[Copy](#)

[Add to Informed Delivery \(https://informedelivery.usps.com/\)](https://informedelivery.usps.com/)

Latest Update

This is a reminder to arrange for redelivery of your item or your item will be returned to sender.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivery Attempt

Reminder to Schedule Redelivery of your item

September 18, 2024

Notice Left (No Authorized Recipient Available)

GREENSBURG, KY 42743
September 13, 2024, 9:34 am

[See All Tracking History](#)

Feedback

[What Do USPS Tracking Statuses Mean? \(https://faq.usps.com/s/article/Where-is-my-package\)](https://faq.usps.com/s/article/Where-is-my-package)

[Text & Email Updates](#)



[USPS Tracking Plus®](#)



[Product Information](#)



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Track Another Package

Enter tracking or barcode numbers

Need More Help?

Contact USPS Tracking support for further assistance.

[FAQs](#)



www.clarkquinnlaw.com

Russell L. Brown
Attorney at Law
rbrown@clarkquinnlaw.com

320 N. Meridian St., Ste. 1100
Indianapolis, IN 46204
(317) 637-1321 main
(317) 687-2344 fax

September 10, 2024

Via Certified Mail, Return Receipt Requested
9589 0710 5270 1210 3307 00

John H. Frank, Judge Executive
Green County
203 West Court Street
Greensburg, KY 42743

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2024-00293
Site Name: Allendale

Dear Judge Frank:

Cellco Partnership, d/b/a Verizon Wireless and WhiteRock Holdings, LLC propose to construct a wireless communications facility on a site located at 8820 Hogenville Road, Summersville, KY 42782 (North Latitude: 37° 22' 14.258", West Longitude 85° 34' 53.954"). The proposed facility will include a 255-foot-tall self-support tower, plus a 5-foot lightning arrestor and related ground facilities. The site name is Allendale.

You have a right to submit comments to the PSC or to request intervention in the PSC's proceedings on the application. You may contact the PSC at: Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2024-00293 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. Verizon Wireless' radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us with any comments or questions you may have.

Sincerely,
Russell L. Brown

A handwritten signature in black ink, appearing to read 'RLB'.

Attorney for Applicant
RLB/jj
Enclosures

Location Map



Clark, Quinn, Moses, Scott & Grahn, LLF
320 North Meridian Street, Suite 1100
Indianapolis, Indiana 46204-1729



9589 0710 5270 1210 3307 00



US POSTAGE™PITNEY BOWES



ZIP 46204 \$ 009.64⁰
02 7H
0006035028 SEP 10 2024

JOHN H. FRANK, JUDGE EXECUTIVE
GREEN COUNTY
203 WEST COURT STREET
GREENSBURG, KY 42743



9589 0710 5270 1210 3307 00

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com.

OFFICIAL USE

Certified Mail Fee	
\$	4.85
Extra Services & Fees (check box, add fees as appropriate)	
<input checked="" type="checkbox"/>	Return Receipt (hardcopy) \$ 4.10
<input type="checkbox"/>	Return Receipt (electronic) \$
<input type="checkbox"/>	Certified Mail Restricted Delivery \$
<input type="checkbox"/>	Adult Signature Required \$
<input type="checkbox"/>	Adult Signature Restricted Delivery \$

Postmark
Here

Postage	
\$.69
Total Postage and	
\$	9.64

Sent To JOHN H. FRANK, JUDGE EXECUTIVE
 Street and Apt. N GREEN COUNTY
 203 WEST COURT STREET
 City, State, ZIP+4 GREENSBURG, KY 42743

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

JOHN H. FRANK, JUDGE EXECUTIVE
GREEN COUNTY
203 WEST COURT STREET
GREENSBURG, KY 42743



9590 9402 9085 4122 6623 77

2. Article Number (Transfer from service label)

9589 0710 5270 1210 3307 00

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Agent
 Addressee

B. Received by (Printed Name)

Andrea Durratt

C. Date of Delivery

09-13-2024

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

Restricted Delivery

Domestic Return Receipt

SITE NAME: Allendale NOTICE SIGNS

The signs are at least (2) feet by four (4) feet in size, of durable material, with the text printed in black letters at least one (1) inch in height against a white background, except for the word "**tower**," which is at least four (4) inches in height.

WhiteRock Holdings, LLC and Cellco Partnership, d/b/a Verizon Wireless proposes to construct a telecommunications **tower** on this site. If you have questions, please contact Clark, Quinn, Moses, Scott & Grahn, LLP, 320 N. Meridian Street, Indianapolis, IN 46204; 317-637-1321, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2024-00293 in your correspondence.

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Robert B. Scott
Charles R. Grahn
Frank D. Otte*
John "Bart" Herriman
William W. Gooden**
Michael P. Maxwell
Russell L. Brown**†
Jennifer F. Perry
Keith L. Beall
N. Davey Neal
Travis W. Cohron
Maggie L. Sadler
Kristin A. McIlwain
Olivia A. Hess

VIA EMAIL: info@record-herald.com

Land Use Consultant
Elizabeth Bentz Williams, AICP

Greensburg Record-Herald
102 W Court Street
Greensburg, KY 42743

*Also admitted in Montana
†Also admitted in Kentucky
**

Registered Civil Mediator

RE: Legal Notice Advertisement
Site Name: Allendale

To Whom It May Concern,

Please publish the following legal notice advertisement in the next available edition of the Greensburg Record-Herald:

NOTICE

Cellco Partnership, d/b/a Verizon Wireless and WhiteRock Holdings, LLC propose to construct a wireless communications facility on a site located at 8820 Hogenville Road, Summersville, KY 42782 (North Latitude: (37° 22' 14.258", West Longitude 85° 34' 53.954")). The proposed facility will include a 255-foot tall self-support tower, plus a 5-foot lightning arrestor and related ground facilities.

You have a right to submit comments to the PSC or to request intervention in the PSC's proceedings on the application. You may contact the PSC at: Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2024-00293 in any correspondence sent in connection with this matter.

After this advertisement has been published, please forward a tearsheet copy, affidavit of publication, and invoice to Clark, Quinn, Moses, Scott & Grahn, LLC, 320 N. Meridian Street, Indianapolis, IN 46204 or by email to ebw@clarkquinnlaw.com. Please call me on my cell with any questions at 317-902-2187 if you have any questions. Thank you for your assistance.

Sincerely,

A handwritten signature in cursive script that reads 'Elizabeth Bentz Williams'.

Elizabeth Bentz Williams, AICP

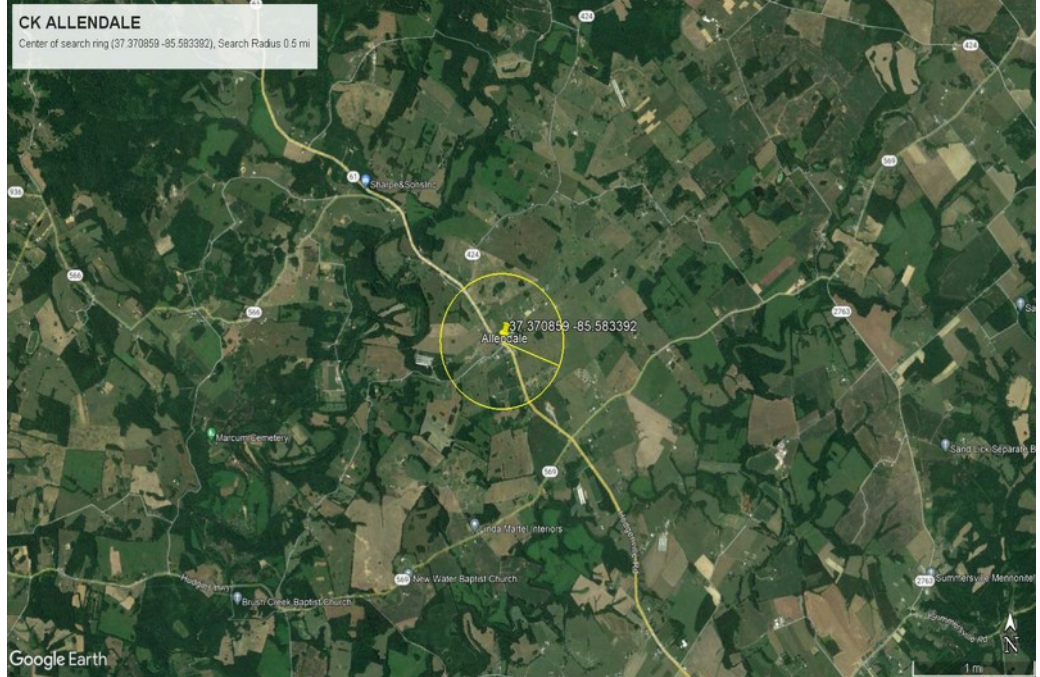
Location Map



SARF DETAILS AND MAP

CK ALLENDALE

SARF	Details
Atoll Market	LOUISVILLE
SR Name	CK ALLENDALE
Granite Locale	INDIANA
Address	8991 HODGENVILLE RD
City	SUMMERSVILLE
State	KENTUCKY
County	Green
ZIP	42782
Latitude	37.370859
Longitude	-85.583392
Radius (mi)	0.5
Center Line (ft)	250
# Sectors	3



Verizon confidential and proprietary. Unauthorized disclosure, reproduction or other use prohibited.





March 19, 2024

RE: Proposed Cellco Partnership d/b/a Verizon Wireless Communications

Facility Site Name: CK Allendale

Type of Tower: 255ft. Self Support Lattice

Location: 8600 Hodgenville Rd, Summersville, KY 42782

To Whom It May Concern:

As a radio frequency engineer for Verizon Wireless, I am providing this letter to state the need for a Verizon Wireless site called, CK Allendale.

The CK Allendale site is proposed with the below objectives:

1. To improve service along Kentucky Route 61.
2. To offload existing traffic of existing Verizon sites in this area.

Currently the area is experiencing poor service along Kentucky Route 61. There is a high demand for wireless high-speed data and phone service in this area. This tower is needed to provide all Verizon customers in the area with the best experience on their wireless devices.

Raw Land – Design plans for a new tower would provide overall tower height of 255' with a Verizon Wireless Centerline of 250'. The new structure height was decided upon to best cover Kentucky Route 61 and to offload traffic from the nearby existing Verizon sites. If we are limited to building a structure less than the proposed height, another tower would be needed in the vicinity in the near future. The new structure is proposed to be placed near the center of the problem area. The new tower design solves the stated objectives.

Verizon Wireless cares about the communities as well as the environment and prefers to collocate on existing structures when available. Verizon Wireless is currently collocated on some existing structures in the area. We prefer collocation due to reduced construction costs, faster deployment, and environment protection. However, Verizon Wireless was unable to find a suitable structure within the center of demand area to collocate the proposed site.

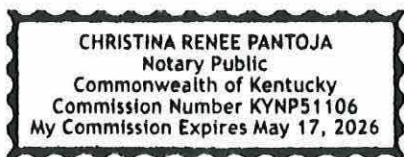


Verizon Wireless design engineers establish search area criteria in order to effectively meet coverage objectives as well as offload existing Verizon cell sites. When met, the criterion also reduces the need for a new site to cover the area in the immediate future. Each cellular site covers a limited area, depending on site configuration and the surrounding terrain. Cell sites are built in an interconnected network; which means each cell site must be located so that their respective coverage areas are contiguous. This provides uninterrupted communications throughout the coverage area.

Since collocation is generally the most cost-effective means for prompt deployment of new facilities, Verizon Wireless makes every effort to investigate the feasibility for using existing towers or other tall structures for collocation when designing a new site or system expansion. However, collocation on an existing tower or tall structure is not always feasible due to location of existing cell sites. Cell sites are placed in a way so they provide smooth hand off to each other and are placed at some distance from each other to eliminate too much overlap. Too much overlap may result in a waste of resources and raise a system capacity overload concern. This cell site has been designed, and shall be constructed and operated in a manner that satisfies regulations and requirements of all applicable governmental agencies that have been charged with regulating tower specifications, operation, construction, and placement, including the FAA and FCC.

Sincerely,

Steven Belcher
Sr. RF Engineer
Verizon Wireless





March 19, 2024

RE: Zoning Plots

Site Name: CK Allendale

To Whom It May Concern:

This map is not a guarantee of coverage and may contain areas with no service. This map reflects a depiction of predicted and approximate wireless coverage of the network and is intended to provide a relative comparison of coverage. The depictions of coverage do not guarantee service availability as there are many factors that can influence coverage and service availability. These factors vary from location to location and change over time. The coverage areas may include locations with limited or no coverage. Even within a coverage area shown, there are many factors, including but not limited to, usage volumes, outages, customer's equipment, terrain, proximity to buildings, foliage, and weather that may impact service.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Belcher", with a long, sweeping horizontal stroke extending to the right.

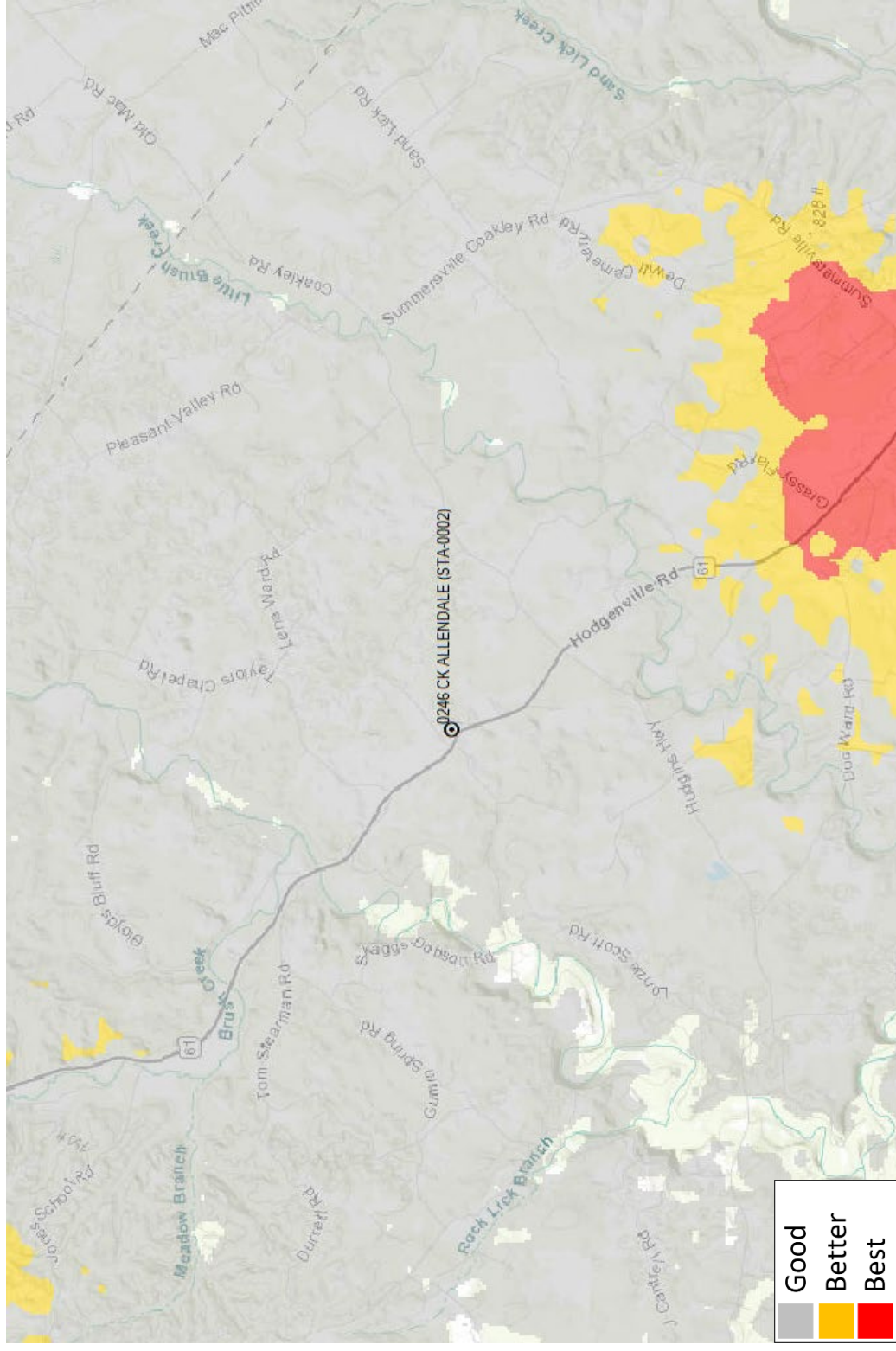
Steven Belcher

Sr RF Engineer

Verizon Wireless



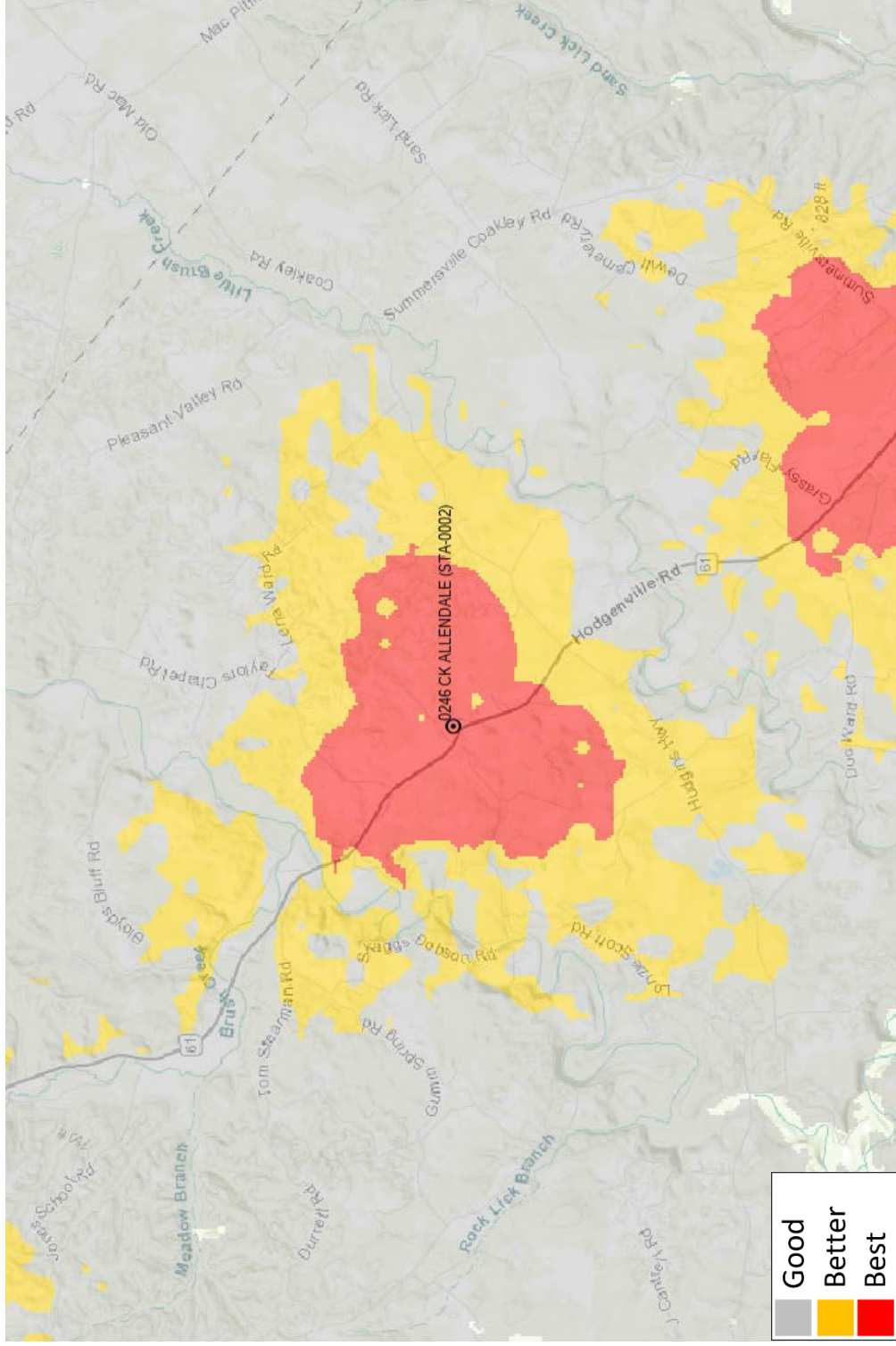
Current Coverage - Without proposed site CK Allendale



Good
Better
Best



Coverage – With proposed site CK Allendale



List of Qualified Professionals

Philip Koziol
Professional Engineer
Kentucky License # 35592
Westchester Services LLC
604 Fox Glen
Barrington, IL 60010

Timothy L. Fish
Professional Surveyor
Kentucky License # 4178
Millman Surveying, Inc.
d.b.a CBRE Land Surveying
Corporate Headquarters
4111 Bradley Circle NW
Canton, OH 44718

Matthew J. Granberry
Professional Engineer
Kentucky License # 31449
Civil and Structural Engineers, Inc.
P.O. Box 4825
Lafayette, LA 70502

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Professional Engineer
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14708 Custer Rd Suite 102
Omaha, NE 68138

Steve Martin
Construction Manager
WhiteRock Holdings LLC
604 Fox Glen
Barrington, IL 60010

Steven Belcher
Sr. Radio Frequency Engineer
Verizon Wireless
2421 Holloway Road
Louisville, KY 40299

