

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

In the Matter of:

THE APPLICATION OF)
CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS)
AND TOWERCO 2013, LLC FOR ISSUANCE) CASE NO. 2024-00190
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: PIERCE II

* * * * *

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

Cellco Partnership, d/b/a Verizon Wireless and TowerCo 2013, 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. TowerCo 2013, LLC, having a local address of 5000 Valleystone Drive, Cary, NC 27519

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. TowerCo 2013, LLC is a Delaware limited liability company and copies of the formulation document and the Statement of Good Standing from Delaware, and the Certificate of Authorization is 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 Q** along with Propagation Maps attached as **Exhibit R**. 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 on the east side of Pierce-Donansburg Road, 0.3 mile north of KY-218 Greensburg, KY 42743 (North Latitude: (37° 11' 29.30", West Longitude 85° 36' 07.17"), 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 Thomas G. Davis and Reta K. Davis pursuant to a Deed recorded in Deed Book 167, Page 164 in the office of the County Clerk. The proposed WCF will consist of a 195-foot tall tower, with an approximately 4-foot tall lightning arrestor attached at the top, for a total height of 199-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. It should be noted that this proposed tower will replace the existing temporary tower located adjacent, on the same property. 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 Q**.

11. A copy of the Application for Federal Aviation Administration's ("FAA") is attached as **Exhibit F** and the FAA Determination of No Hazard (DNH) will be provided, once received.

12. A copy of the documentation the Kentucky Airport Zoning Commission (“KAZC”) indicating that KAZC approval is not required is attached as **Exhibit G**.

13. A geotechnical engineering report was performed at the WCF site by Engineered Tower Solutions, PLLC, 3227 Wellington Court, Raleigh, NC 27615, dated May 24, 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 Larry Rhoads 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 21087C0200, 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 June 13, 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 June 14, 2024, is attached as **Exhibit L-1**. June 14, 2024 twelve (12) notices were sent to surrounding property owners; as of July 17, 2024 five (5) notice green cards had been returned and one (1) envelope had been returned. On July 17, 2024 notices were resent to the remaining six (6) property owners. As of July 22, 2024 USPS records indicate that three (3) additional notices have been delivered, one (1) is being “returned as unclaimed”, one (1) notice is indicated as “delivery attempted / notice left / no authorized recipient

available” and one (1) notice being returned because “forwarding order has expired”. PVA records verified July 22, 2024 confirms the owner and address is the same as June 13, 2024. A copy of the second form of notice sent July 17, 2024 is attached as **Exhibit L-2**. There are no unaccountable notices.

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 USPS documentation that the notice was delivered are 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 on the east side of Pierce-Donansburg Road, 0.3 mile north of KY-218 Greensburg, KY 42743. The proposed site is an open area within a site with a homestead and treed areas. The area is largely wooded with agricultural uses and scattered single family homes. The terrain is hilly. There is no zoning or Plan Commission in this area of Green County. The nearest residential structure is 273’ 9” from the proposed tower site.

25. It should be noted that this tower will replace the existing temporary tower located adjacent, on the same property. Please see the Location Map of the proposed permanent site and the existing temporary tower, attached as **Exhibit P**. Once the permanent tower is constructed and operating, the temporary tower will be decommissioned and removed.

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 S**.

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 Q** and **Exhibit R**, 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.

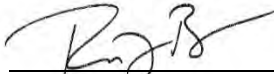
28. All Exhibits to this Application are hereby incorporated by reference as if fully set out as part of the Application.

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
- G KAZC Application Documentation
- H Geotechnical Report
- I Directions to WCF Site
- J Real Estate Agreement
- K Notification Listing with PVA Verification
- L-1 June 14 Property Owner Notification
- L-2 July 17 Property Owner Notification
- M County Judge/Executive notice
- N Posted Notices
- O Newspaper Legal Notice Advertisement
- P Location Map
- Q RF Design Engineer Statement of Need
- R Propagation Maps
- S Radio Frequency Design Search Area
- 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 "JWB", is written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed in a small font.

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

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

COMMONWEALTH OF KENTUCKY
TREY GRAYSON
SECRETARY OF STATE



0641227.07

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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

Delaware

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "TOWERCO 2013 LLC" 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 SEPTEMBER, A.D. 2023.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "TOWERCO 2013 LLC" WAS FORMED ON THE THIRD DAY OF OCTOBER, A.D. 2012.

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




Jeffrey W. Bullock, Secretary of State

5222115 8300

SR# 20233593958

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

Authentication: 204256340

Date: 09-27-23

**FCC Form 854
Main Form**

Approved by OMD – 3060-0139
See instructions for public burden estimate

Application for Antenna Structure Registration

Purpose of Filing

1) Enter the application purpose: (NE)	
AM – Amendment of a Pending Application AU – Administrative Update CA – Cancellation of an Antenna Structure Registration DI – Notification of an Antenna Structure Dismantlement MD – Modification of a Antenna Structure Registration	NE – Registration of a New Antenna Structure NT – Required Construction/Alteration Notification OC – Ownership Change RE – Registration of a Replacement Antenna Structure WD – Withdrawal of a Pending Application
2a) If the answer to 1 is AU, CA, DI, MD, NT, OC or RE, provide the FCC Antenna Structure Registration (ASR) Number.	FCC ASR Number:
2b) If the answer to 1 is AM or WD, provide the File Number of the pending application on file.	File Number:
2c) If the answer to 1 is MD or NT, provide the date the Antenna Structure was constructed or the date it was last altered (mm/dd/yyyy).	Date:
2d) If the answer to 1 is DI, provide the date the Antenna Structure was dismantled (mm/dd/yyyy).	Date:

Antenna Structure Ownership Information

3) Select one of the entity types:			
() Individual	() Unincorporated Association	() Trust	() Government Entity
() Corporation	(X) Limited Liability Company	() General Partnership	() Limited Partnership
() Consortium	() Limited Liability Partnership	() Other: _____	
4) FCC Registration Number (FRN): 0024950685		5) Assignor FCC Registration Number (FRN):	
6) First Name (if individual):	MI:	Last Name:	Suffix:
7) Legal Entity Name (if not an individual): TowerCo V Holdings LLC			
8) Attention To: TowerCo ID: KY0112		9) P.O. Box:	And/Or
10a) Street Address 1: 5000 Vallestone Drive, Suite 200		10b) Street Address 2:	
11) City: Cary	12) State: NC	13) Zip Code: 27519	
14) Telephone Number (xxx-xxx-xxxx): (919) 653-5700		15) Fax Number: (xxx-xxx-xxxx): (919) 469-5530	
16) E-mail Address: hbyrne@towerco.com			

Contact Representative Information

17) First Name (if individual):	MI:	Last Name:	Suffix:
18) Business Name: TowerCo V Holdings LLC			
19) Attention To: Henry Byrne	20) P.O. Box		And/Or
21a) Street Address 1: 5000 Valleystone Drive, Suite 200		21b) Street Address 2:	
22) City: Cary	23) State: NC	24) Zip Code: 27519	
25) Telephone Number (xxx-xxx-xxxx): (919) 653-5700		26) Fax Number: (xxx-xxx-xxxx): (919) 469-5530	
27) E-mail Address: hbyrne@towerco.com			

Antenna Structure Information

28a) Latitude (DD-MM-SS.S): 37- 11- 29.3		28b) North or South: North	
29a) Longitude (DDD-MM-SS.S): 085- 36- 07.2		29b) East or West: West	
30) Street Address or Geographic Location: 313 Pierce Donansburg Rd		31) City: Greensburg	
32) County: GREEN	33) State: KENTUCKY	34) Zip Code: 42743	
35) Elevation of site above mean sea level (meters):			240.2 meters
36) Overall height above ground level (AGL) of the supporting structure without appurtenances:			59.4 meters
37) Overall height above ground level (AGL) of the antenna structure including all appurtenances:			60.7 meters
38) Overall height above mean sea level (add items 35 and 37 together):			300.9 meters
39a) Enter the type of structure on which the antenna will be mounted: (MTOWER)			
B – Building BANT – Building with Antenna on Top BMAST – Building with Mast BPIPE – Building with Pipe BPOLE – Building with Pole BRIDG – Bridge BTWR – Building with Tower GTOWER – Guyed Structure Used For Communication Purposes LTOWER – Lattice Tower MAST – Mast MTOWER – Monopole NNGTANN – Guyed Tower Array		NNLTANN – Lattice Tower Array NNMTANN – Monopole Array PIPE – Any type of Pipe POLE – Any type of Pole RIG – Oil or Other Type of Rig SIGN – Any type of Sign or Billboard SIL0 – Any type of Silo STACK – Smoke Stack TANK – Any type of Tank (water, gas, etc.) TREE – When used as a support for an antenna UPOLE – Utility Pole/Tower used to provide service (electric, telephone, etc.)	
39b) Number of Towers in Array:		39c) Position of this Tower in the Array:	
40a) Array Center Latitude (DD-MM-SS.S):		40b) North or South	
41a) Array Center Longitude (DDD-MM-SS.S):		41b) East or West:	

Proposed Marking and/or Lighting

42) Enter the proposed marking and/or lighting: (1) See Form 854 Item 42 Instructions for detailed tier and lighting information.		
1) None	4) FAA Style B	7) FAA Style E
2) Paint Only	5) FAA Style D	8) FAA Style F
3) Other _____	6) FAA Style C	9) FAA Style A
		10) FAA Style G

FAA Notification

43) FAA Study Number:	44) Date Issued:
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Environmental Compliance

45) Does the applicant request a waiver of the Commission's rules for environmental notice prior to construction due to an emergency situation?	(No) Yes or No
46a) If the answer to 45 is No, is another federal agency taking responsibility for environmental review of the Antenna Structure?	(No) Yes or No
46b) If the answer to 46a is Yes, indicate why: 1) The Antenna Structure is on Federal Land and the landholding agency is taking responsibility for the environmental review of the Antenna Structure. 2) Another federal agency has agreed with the FCC in writing to take responsibility for the environmental review of the Antenna Structure.	() 1 or 2
46c) If the answer to 46a is Yes, provide the name of the federal agency taking responsibility for the environmental review of the Antenna Structure.	Name:
47) If the answers to 45 and 46a are No, provide the National Notice Date for the application to be posted on the FCC's website (mm/dd/yyyy).	Date: 05/22/2024
48) Is the applicant submitting an environmental assessment?	(No) Yes or No
49) Does the applicant certify that grant of Authorizations at this location would not have a significant environmental effect pursuant to Section 1.1307 of the FCC's rules?	() Yes or No
50) If the answer to 49 is Yes, select the basis for this certification. 1) The construction is exempt from environmental notification (other than due to another agency's review) and it does not fall within one of the categories in Section 1.1307(a) or (b) of the FCC's rules? 2) The construction is exempt from environmental notification due to another agency's review, and the other agency has issued a Finding of No Significant Impact. 3) The environmental notification has been completed, and the FCC has notified the applicant that an Environmental Assessment is not required under Section 1.1307(c) or (d) of the FCC's rules, and the Construction does not fall within one of the categories in Section 1.1307(a) or (b) of the FCC's rules. 4) The FCC has issued a Finding of No Significant Impact.	() 1, 2, 3, 4
51) If the answer to 50 is 3 or 4, enter the date that Local Notice was provided (mm/dd/yyyy).	Date:

Certification Statements

- 1) The applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.
- 2) The applicant certifies that neither the applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862, because of a conviction for possession or distribution of a controlled substance. See Section 1.2002(b) of the rules, 47 CFR § 1.2002(b), for the definition of "party to the application" as used in this certification.

Signature (Typed or Printed Name of Party Authorized to Sign) (For OC Applications, to be completed by Assignee)

52) First Name: Henry	MI:	Last Name: Byrne	Suffix:
53) Title: FCC Contact			
54) Signature: Henry Byrne			55) Date: Mar 22, 2024

Signature (Typed or Printed Name of Party Authorized to Sign) (For OC Applications, to be completed by Assignor)

56) First Name:	MI:	Last Name:	Suffix:
57) Title:			
58) Signature:			59) Date:

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

Call Sign: KNKN795

File Number: 0009262187

Print Date:

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

Call Sign: KNKN795

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

Call Sign: KNKN795

File Number: 0009262187

Print Date:

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

Call Sign: KNKN795

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

Call Sign: KNKN795

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

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.
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

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.
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

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.
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

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.
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

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.
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

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.
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

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.
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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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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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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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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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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RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with 2 columns: Call Sign (WRAY793), File Number, and Radio Service (UU - Upper Microwave Flexible Use Service).

FCC Registration Number (FRN): 0003290673

Table with 4 columns: Grant Date (07-25-2018), Effective Date (02-27-2019), Expiration Date (06-17-2028), Print Date, Market Number (BTA263), Channel Block (L1), Sub-Market Designator (0), Market Name (Louisville, KY), 1st Build-out Date (06-01-2024), 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.

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: WRAY794

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 (WREV443), File Number (0009262182), 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:

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.

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: 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.

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: WREV444

File Number: 0009262182

Print Date: 03-11-2021

700 MHz Relicensed Area Information:

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

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 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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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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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
---------------	--------------------	--------------------------	------------------------------	---------------

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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.

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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

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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 (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

PROJECT SUMMARY

SITE NAME:	CK PIERCE II
SITE ADDRESS:	TBD PIERCE-DONANSBURG RD GREENSBURG, KY 42743
COUNTY:	GREEN
JURISDICTION:	GREEN COUNTY
LAND USE:	AGRICULTURAL
PARCEL ID:	061-19F
SITE COORDINATES:	1A
LATITUDE:	37° 11' 29.30" N (NAD83)
LATITUDE:	37.191471°
LONGITUDE:	85° 36' 07.17" W (NAD83)
LONGITUDE:	-85.601993°
ELEVATION:	788.4' AMSL (NAVD88)
FUZE PROJECT ID:	617291389
PROPERTY OWNER:	THOMAS G. DAVIS & RETA K. DAVIS 313 PIERCE-DONANSBURG RD GREENSBURG, KY 42743
PROPERTY OWNER CONTACT:	THOMAS DAVIS (270) 299-5509
TOWER OWNER:	TOWERCO 5000 VALLEYSTONE DR. CARY, NC 27519
TOWER OWNER CONTACT:	EDWARD SCHAFFER (336) 325-1066
STRUCTURE TYPE:	MONOPOLE
TOWER HEIGHT:	195'-0"
ENVIRONMENTAL REQ.:	N/A
OCCUPANCY:	UNMANNED
SITE TYPE:	RAWLAND
POWER COMPANY:	TAYLOR COUNTY RECC
CONTACT:	(270) 465-4101
PHONE:	
FIBER:	TBD
PHONE:	TBD
FIRE DEPARTMENT:	GREEN COUNTY FIRE DEPARTMENT
PHONE:	(270) 932-3231
POLICE DEPARTMENT:	GREENSBURG SHERIFF
PHONE:	(270) 932-4202

DIRECTIONS FROM GREEN COUNTY CLERK:
HEAD EAST ON W COURT ST TOWARD S 1ST ST. TURN RIGHT ONTO S 1ST ST. TURN LEFT ONTO W COLUMBIA AVE. TURN RIGHT ONTO US-68 W / KY-61 / KY-70 / S MAIN ST. TURN RIGHT ONTO KY-218 / HIGHWAY 218. TURN RIGHT ONTO PIERCE DONANSBURG RD. ARRIVE AT SITE ON THE RIGHT.

STRUCTURAL REVIEW
CONTRACTOR SHALL ATTAIN AND VERIFY STRUCTURAL EVALUATION REPORT OF EXISTING TOWER FOR EXACT PLACEMENT OF ANTENNAS AND COAX CABLES. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE STRUCTURAL EVALUATION REPORT AND NOTIFY VERIZON'S CONSTRUCTION MANAGER IN THE CASE OF ANY DISCREPANCIES. ANY STRUCTURAL MODIFICATION, IF REQUIRED, SHALL BE DONE PRIOR TO THE INSTALLATION OF ANTENNAS.



CELLCO PARTNERSHIP
D/B/A VERIZON WIRELESS

TOWERCO SITE #: KY0112
CK PIERCE II
TBD PIERCE-DONANSBURG RD
GREENSBURG, KY 42743



APPLICABLE CODES

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH 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.

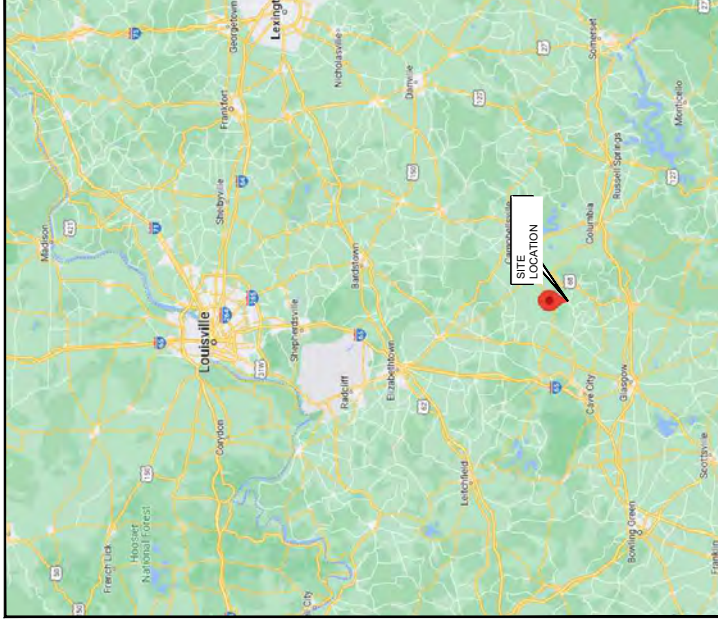
- 2018 KENTUCKY BUILDING CODE (2015 INTERNATIONAL BUILDING CODE)
- 2012 INTERNATIONAL ENERGY CONSERVATION CODE (COMMERCIAL)
- 2012 INTERNATIONAL ENERGY CONSERVATION CODE (RESIDENTIAL)
- 2012 INTERNATIONAL FIRE CODE
- 2015 INTERNATIONAL MECHANICAL CODE
- 2015 INTERNATIONAL RESIDENTIAL CODE

ACCESSIBILITY REQUIREMENTS:
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2015 IBC BUILDING CODE.

SCOPE OF WORK

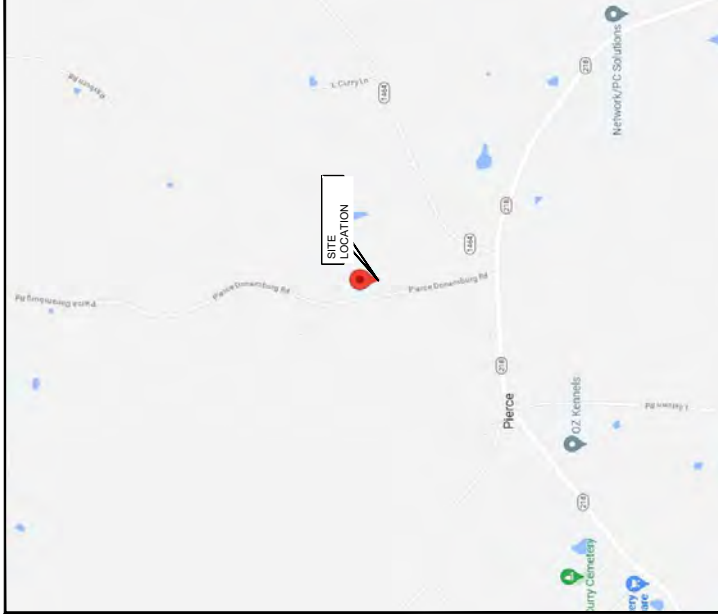
- INSTALL A NEW 195'-0" MONOPOLE TOWER WITH 4'-0" LIGHTNING ROD (OVERALL 199'-0")
 - INSTALL A NEW 75' X 75' CHAINLINK FENCED COMPOUND WITHIN A 100' X 100' LEASE AREA
 - INSTALL A NEW UTILITY H-FRAME WITHIN THE NEW FENCED COMPOUND
 - INSTALL A NEW TOWER, COMPOUND AND EQUIPMENT GROUNDING SYSTEM
 - INSTALL NEW ANTENNAS, LINES, COAX, GPS AND RADIO EQUIPMENT
 - INSTALL NEW UNDERGROUND POWER AND FIBER CONDUITS WITHIN THE DESIGNATED UTILITY EASEMENT TO NEW UTILITY H-FRAME
 - INSTALL A NEW 11'-0" X 7'-0" CONCRETE EQUIPMENT PAD
 - INSTALL A NEW 4'-0" X 9'-6" CONCRETE GENERATOR PAD
- ALL WORK MUST BE DONE IN ACCORDANCE TO THE DRAWINGS.

VICINITY MAP



NOT TO SCALE

LOCATION MAP



NOT TO SCALE

DIRECTIONS FROM LOUISVILLE SWITCH 2441 HOLLOWAY RD. LOUISVILLE, KY 40299: HEAD SOUTH ON HOLLOWAY RD TOWARD SCHUTTE STATION PL. TURN LEFT ONTO SCHUTTE STATION PL. ROAD NAME CHANGES TO PLANTSIDE DR. TURN LEFT ONTO BLANKENBAKER PKWY. TAKE THE RAMP ON THE RIGHT FOR I-64 EAST AND HEAD TOWARD LEXINGTON. AT EXIT 19A, HEAD RIGHT ON THE RAMP FOR I-265 W / KY-841 SOUTH TOWARD GENE SNYDER FREEWAY. ROAD NAME CHANGES TO I-265 W / KY-841 W. AT EXIT 10-B, HEAD RIGHT ON THE RAMP FOR I-65 SOUTH TOWARD NASHVILLE. AT EXIT 65, HEAD RIGHT ON THE RAMP FOR US-31W TOWARD MUMFORDVILLE. TURN LEFT ONTO US-31W / MAIN ST. TURN LEFT ONTO KY-88 / HARDYVILLE RD. TURN LEFT TO STAY ON KY-88 / HARDYVILLE RD. TURN RIGHT ONTO PIERCE DONANSBURG RD. KEEP RIGHT TO STAY ON PIERCE DONANSBURG RD. ARRIVE AT SITE ON THE LEFT.

SHEET INDEX

NO.	DESCRIPTION
T1	TITLE SHEET
S1	SURVEY - COVER SHEET
S2	SURVEY - OVERVIEW MAP
S3	SURVEY - SITE SURVEY
S4	SURVEY - DESCRIPTIONS
S5	SURVEY - DESCRIPTIONS
Z1	COUNTY TOWER MAP
Z2	OVERALL SITE LAYOUT
Z3	500' RADIUS AND ABUTTERS MAP
Z4	OVERALL SITE LAYOUT
Z5	SITE PLAN
Z6	EROSION CONTROL SITE PLAN
Z7	DIMENSION SITE PLAN
Z8	TOWER ELEVATION
Z9	SITE DETAILS
Z10	SITE DETAILS

AERIAL MAP



NOT TO SCALE

CALL 811
1 (800) 752-6007
www.kentucky811.com
CONTRACTOR TO CALL KENTUCKY ONE-CALL SYSTEMS AT LEAST (2) FULL WORKING DAYS PRIOR TO DIGGING.

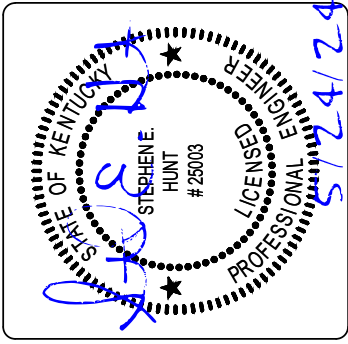
SHEET SCALE FACTOR:
PLOT SIZE:
11" x 17": TO SCALE

1961 NORTHPOINT BLVD.
SUITE 130
HIYSON, TN 37343
PH : 423-843-9500
FAX : 423-843-9509

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

DRAWN BY	TDD
CHECKED BY	SEH

REVISIONS	
2	05/24/24 MJB TOWER CHANGE
1	05/07/24 MJB SITE RELOCATION
0	01/29/24 PLS ZONING ISSUE
A	12/06/23 JAE ZONING REVIEW
#	DATE BY DESCRIPTION



FUZE ID : 617291389

SITE NAME : CK PIERCE II

SITE # / LOCATION CODE : ky0112

SITE ADDRESS :
TBD PIERCE-DONANSBURG RD
GREENSBURG, KY 42743

SITE TYPE :
RAWLAND

SHEET TITLE :	TITLE SHEET
DRAWING # :	T1
REVISION :	2

GENERAL NOTES:

- This Survey is prepared exclusively to show site conditions and/or for use in support of instruments related to Leases and Easements as may be shown hereon. Any property boundary information shown hereon is a composite of information gathered from current or previous Surveys, Plat & Deed Description and/or Assessor's Tax Maps as may be referenced hereon. This Survey is not a Boundary Survey of any Tax Parcels or Deed Tracts, and does not create, combine, or divide any existing properties.
- Survey shown hereon was performed under the supervision of a state-registered Land Surveyor and conforms to all applicable State Board Requirements.
- Instruments Used: One or more of: Topcon Total Station, Topcon HiPerLite Plus GPS, Carlson Surveyor Data Collector, DJI UAV.
- Where shown, improvements (utilities, buildings, trees, fences, etc.) are based on field Survey and/or aerial mapping.
- Any Underground Utilities shown according to surface markings made by others, found at time of survey. Additional marked utilities outside the area covered by this survey map may be shown in provided CAD Files. Utility Markings may not be comprehensive: this survey does not relieve design and construction personnel of the responsibility to determine the locations of underground utilities prior to land disturbance activities.
- This Survey is presented in the format required by Clients. Clients are advised that Official Jurisdictions may require the Survey to be presented in another format with additional notes and certifications. In the event other formats, notes or certifications are requested by applicable jurisdictions, it is the responsibility of the Client to request same be prepared by Surveyor. Survey as published is not intended to be suitable for recording as a Subdivision Plat.
- This survey may have been reduced or enlarged in size due to subsequent reproduction. This should be taken into consideration when obtaining scaled data.
- Geographic Coordinates, if published, meet FAA Accuracy Code 1A, and are accurate to within ± 20 feet horizontally and to within ± 3 feet vertically.
- Any Flood Zone information presented hereon is according to current FEMA Flood Map information as may be referenced hereon. No Flood Elevation Survey of Certification performed.
- This survey is not valid without the original signature seal of a State-Licensed Land Surveyor, and is not complete without the total of sheets as specified in Survey Title Blocks.
- Unless indicated otherwise by reference to Record Instruments, any Lessee's Leases, Premises or Easements shown hereon are NOT YET OF RECORD and may be subject to change pending review and approval by Carrier, applicable jurisdictions and/or other involved parties.
- Any Survey Markers placed as required by Standards of Practice and/or Client request represent the Leases and/or Easements as requested or designed by Clients at the time of this survey issue and may not reflect changes to site design which have not been communicated to Surveyor in the form of a Survey revision request. Surveyor shall not be liable for any circumstance arising as a result of revisions to Site Design (which may invalidate existing survey markers) occurring after the date of this Survey issue.

SURVEYOR'S CERTIFICATION

To: TowerCo IV Holdings, LLC.
 I hereby certify (or state) that all parts of this survey and drawing have been completed in accordance with the current requirements of the Standards of Practice for Surveying in the State of Kentucky to the best of my knowledge, information, and belief.



Travis L. Shields
 Kentucky PLS
 License No. 4246

PROPOSED TOWER LOCATION DATA

Latitude: NORTH: 37.191471° 37° 11' 29.30"
 Longitude: WEST: 85.601993° 85° 36' 07.17"
 Ground Elev: 788.4 FEET AMSL (NAVD88)
 Benchmark: DH7217 KYCP

PARENT TAX PARCEL

THOMAS G. DAVIS & RETA K. DAVIS
 TAX PARCEL: 43-50

NORTH ORIENTATION

KENTUCKY SOUTH STATE PLANE COORDINATE SYSTEM
 Based on GPS Survey relative to NGS CORS Network, NAD83 (2011)
 ELEVATION DATUM: NAVD88, GEOID 12B
 DATE OF SURVEY: 10-11-2023, 02-27-2024
 Method: RTK (CORS); Confidence Level: 95%
 Positional Accuracy: HZ ± 0.10'
 EPOCH 2010.0000

FLOOD DATA

FEMA FLOOD MAP PANEL: 21087C0200, Effective Date: 05-03-2010
 Surveyed Area appears to lie within: ZONE X (Areas of Minimal Flood Hazard)

TITLE EXAMINATION:

See Sheet #6

SURVEY ISSUE DATA

#	DETAILS	DATE	DRAWN	APP
0	Original Survey Issue	10-20-2023	NB	TLS
1	Site moved	03-01-2024	NB	TLS

LOCATION MAP

NOT TO SCALE



LEGEND

- IRON ROD FOUND (AS NOTED)
- * PROPOSED TOWER LOCATION
- ⬇ SITE BENCHMARK
- ♂ UTILITY POLE
- ⬇ GUY ANCHOR
- 12 TREE WITH DIAMETER
- R/W RIGHT-OF-WAY
- C/L CENTER LINE
- AU ACCESS & UTILITY
- ESMT EASEMENT
- P.O.C. POINT OF COMMENCEMENT
- P.O.B. POINT OF BEGINNING
- Sq Ft SQUARE FEET
- PAVEMENT EDGE
- GRAVEL EDGE
- CONCRETE EDGE
- OVERHEAD UTILITY LINES
- GUY WIRE
- FENCE
- DITCH
- 5' CONTOURS
- 1' CONTOURS
- PUBLIC R/W
- TAX PARCEL BOUNDARY
- TIE LINE
- LESSEE'S PREMISES
- LESSEE'S EASEMENTS

SITE SURVEY

CK PIERCE II

Pierce Donansburg Road, Greensburg, KY 42743
 Site Number: KY0112
 Green County, Kentucky

(Not a Boundary Survey of Parent Lands. Not intended for fee simple Land Transfer)

THE LAND CONSULTANTS
 5449 HIGHWAY 41 LLC
 JASPER, TN 37347
 423-304-6722

PREPARED FOR
TowerCo
 TOWERCO IV HOLDINGS, LLC
 5000 Valleystone Drive # 200,
 Cary NC 27519

COVER SHEET

DWG#: 23280
 ISSUE #: 1
 ISSUE DATE: 03-01-2024
 SEE SHEET #1

SHEET **1** OF **6**

PROPERTY INFORMATION

PARENT TAX PARCEL

A. THOMAS G. DAVIS & RETA K. DAVIS
 TAX PARCEL: 43-50
 DEED BOOK 167, PAGE 164

ADJOINING TAX PARCELS

B. HALL SHANNON D
 TAX PARCEL: 43-29
 DEED BOOK 199, PAGE 347

C. DAVID RAY DAVIS ...
 TAX PARCEL: 43-47
 DEED BOOK 168, PAGE 397

D. BARNEY MATNEY ...
 TAX PARCEL: 43-03-07
 DEED BOOK 199, PAGE 175

E. BARNEY MATNEY ...
 TAX PARCEL: 43-03-08
 DEED BOOK 199, PAGE 175

F. JAMIE S. MORGAN
 TAX PARCEL: 43-48
 DEED BOOK 213, PAGE 521

G. RICKY MORAN ...
 TAX PARCEL: 43-49
 DEED BOOK 220, PAGE 772

H. THOMAS RAY DAVIS
 TAX PARCEL: 43-52.01
 DEED BOOK 122, PAGE 215

I. TIMOTHY LEE DAVIS, JR. ...
 TAX PARCEL: 43-51
 DEED BOOK 211, PAGE 379

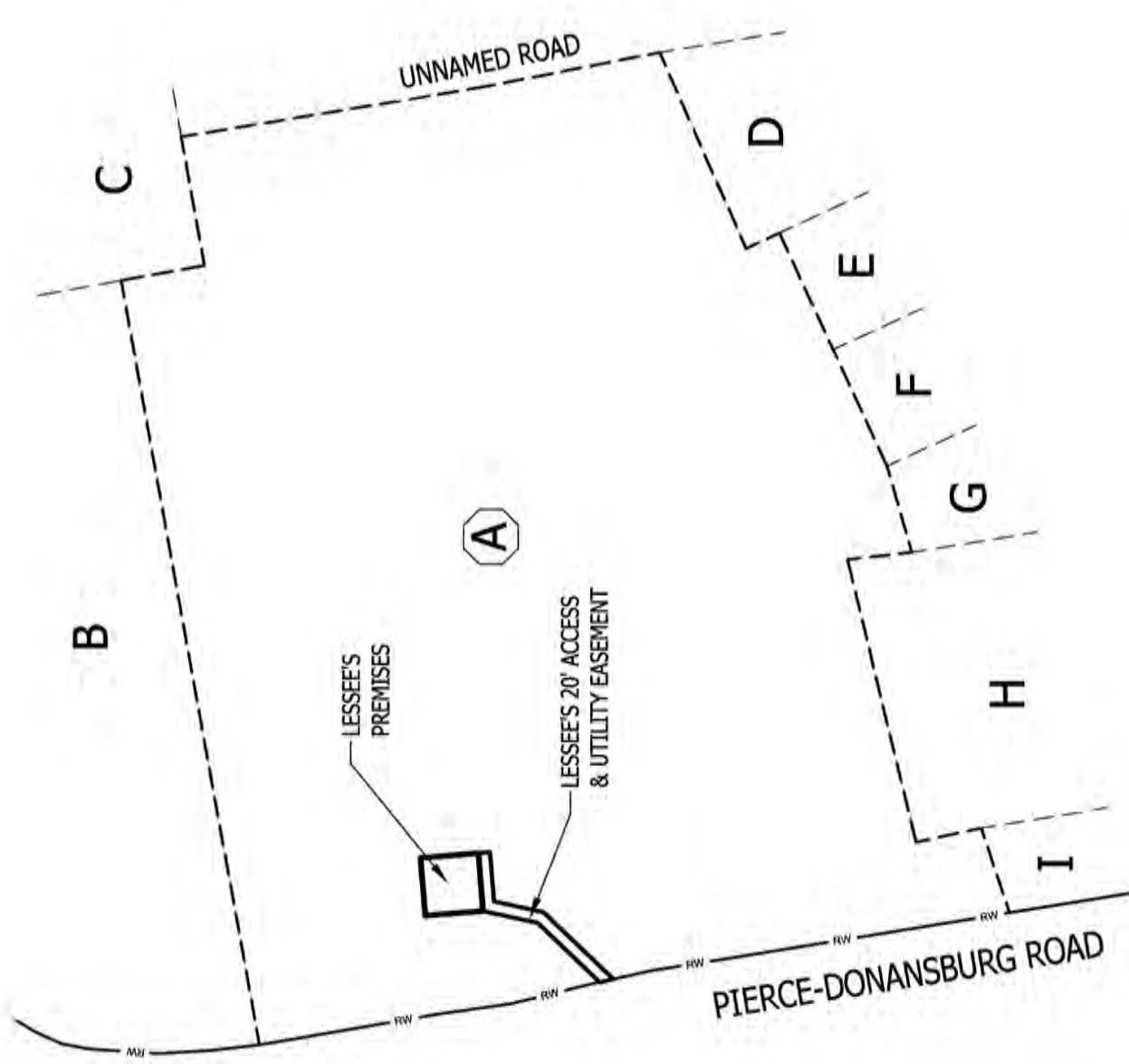
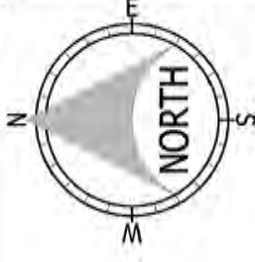
OVERVIEW MAP CAVEAT:

OVERVIEW MAP IS NOT A SURVEY BUT A VICINITY / LOCATION MAP INTENDED ONLY TO SHOW SURVEYED PROPERTY IN RELATION TO SURROUNDING AREA. VESTING AND ADJOINING PARCEL BOUNDARIES ARE NOT INCLUDED IN OR CERTIFIED BY THIS SURVEY. BOUNDARY LINES ARE A COMPOSITE OF DEED, PLAT AND/OR TAX MAP INFORMATION

Surveyor's certification of Survey extends only to the Survey Area as shown on Survey Map Sheets. This sheet includes items based on information supplied to Surveyor by Title Examiners and other sources, presented hereon as a convenience to clients, not included under Survey Certification. No Survey was performed outside the Survey Area.



APPROX SCALE: 1in = 300'



- PUBLIC R/W
- VESTING LAND
- ADJOINING TAX PARCEL
- LESSEE'S PREMISES
- LESSEE'S EASEMENT(S)

THE LAND CONSULTANTS LLC
 5449 HIGHWAY 41
 JASPER, TN 37347
 423-304-6722

PREPARED FOR

TOWERCO
 TOWERCO IV HOLDINGS, LLC
 5000 Valleystone Drive # 200,
 Cary NC 27519

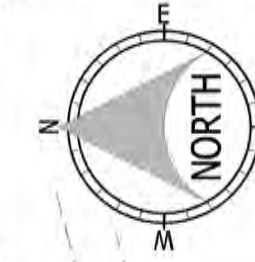
(Not a Boundary Survey of Parent Lands. Not intended for fee simple Land Transfer)

SITE SURVEY
CK PIERCE II
 Site Number: KY0112
 Pierce Donansburg Road, Greensburg, KY 42743
 Green County, Kentucky

OVERVIEW MAP

DWG#: 23280
 ISSUE #: 1
 ISSUE DATE: 03-01-2024
 SEE SHEET #1

SHEET **2** OF **6**



THE LAND CONSULTANTS
 5449 HIGHWAY 41 LLC
 JASPER, TN 37347
 423-304-6722

PREPARED FOR
TowerCo
 TOWERCO IV HOLDINGS, LLC
 5000 Valleystone Drive # 200,
 Cary NC 27519

(Not a Boundary Survey of Parent Lands. Not intended for fee simple Land Transfer)
SITE SURVEY
CK PIERCE II
 Site Number: KY0112
 Pierce Donansburg Road, Greensburg, KY 42743
 Green County, Kentucky

SITE SURVEY

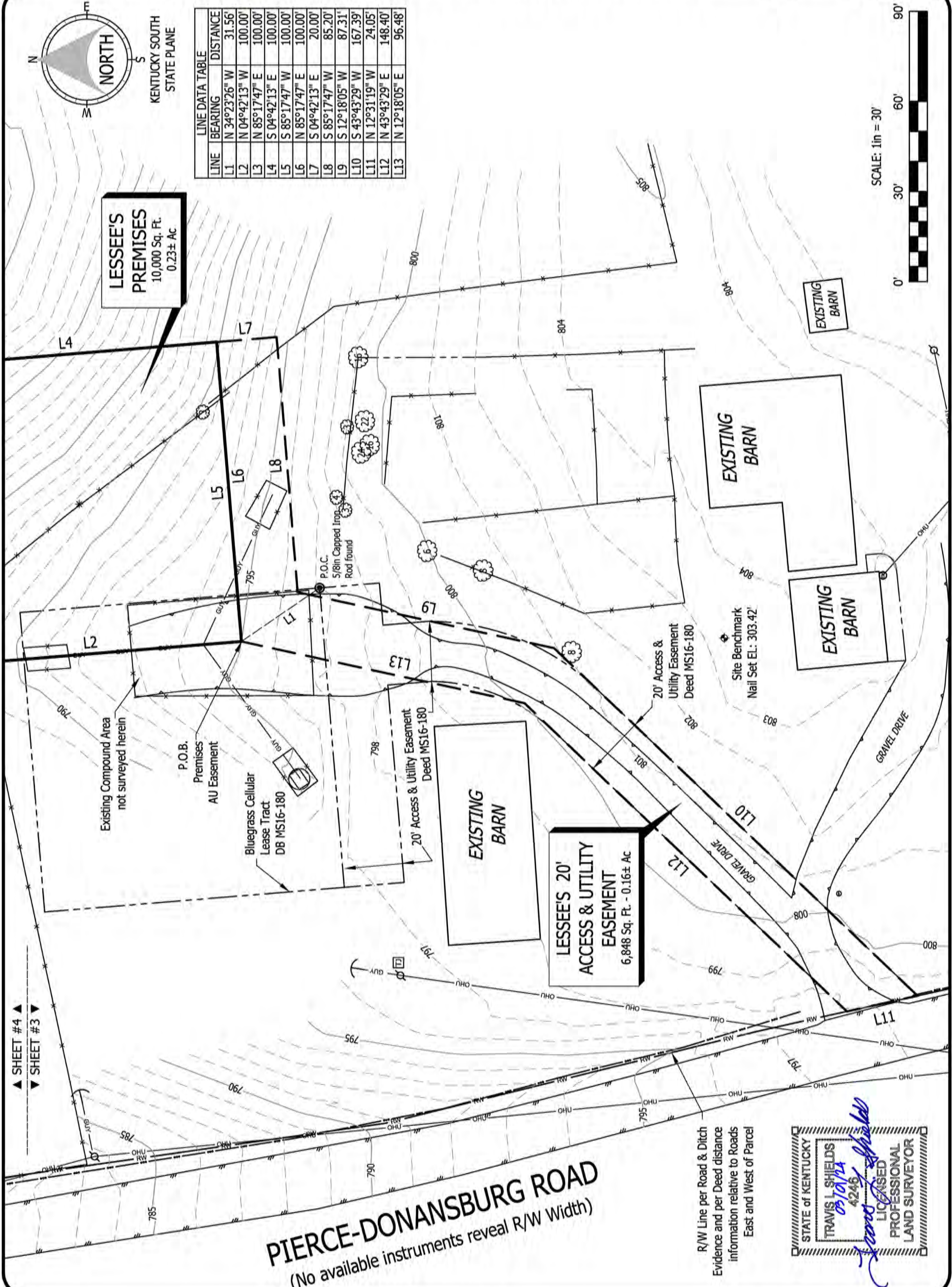
DWG#: 23280
 ISSUE #: 1
 ISSUE DATE: 03-01-2024
 SEE SHEET #1

SCALE: 1in = 30'
 0' 30' 60' 90'

LINE	BEARING	DISTANCE
L1	N 34°23'26" W	31.56'
L2	N 04°42'13" W	100.00'
L3	N 85°17'47" E	100.00'
L4	S 04°42'13" E	100.00'
L5	S 85°17'47" W	100.00'
L6	N 85°17'47" E	100.00'
L7	S 04°42'13" E	20.00'
L8	S 85°17'47" W	85.20'
L9	S 12°18'05" W	87.31'
L10	S 43°43'29" W	167.39'
L11	N 12°31'19" W	24.05'
L12	N 43°43'29" E	148.40'
L13	N 12°18'05" E	96.48'

LESSEE'S PREMISES
 10,000 Sq. Ft.
 0.23± AC

LESSEE'S 20' ACCESS & UTILITY EASEMENT
 6,848 Sq. Ft. - 0.16± AC



PIERCE-DONANSBURG ROAD
 (No available instruments reveal R/W Width)

R/W Line per Road & Ditch Evidence and per Deed distance information relative to Roads East and West of Parcel

STATE OF KENTUCKY
TRAVIS L. SHIELDS
 03/01/24
 4246
 LICENSED PROFESSIONAL LAND SURVEYOR

▲ SHEET #4 ▲
 ▼ SHEET #3 ▼



THE LAND CONSULTANTS LLC
 5449 HIGHWAY 41
 JASPER, TN 37347
 423-304-6722

PREPARED FOR



TOWERCO IV HOLDINGS, LLC
 5000 Valleystone Drive # 200,
 Cary NC 27519

STATE OF KENTUCKY
TRAVIS L. SHIELDS
03/01/24
 4245
Travis L. Shields
 LICENSED
 PROFESSIONAL
 LAND SURVEYOR

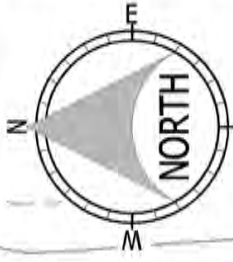
(Not a Boundary Survey of Parent Lands. Not intended for fee simple Land Transfer)

SITE SURVEY
CK PIERCE II
 Site Number: KY0112
 Pierce Donansburg Road, Greensburg, KY 42743
 Green County, Kentucky

SITE SURVEY

DWG#: 23280
 ISSUE #: 1
 ISSUE DATE: 03-01-2024
 SEE SHEET #1

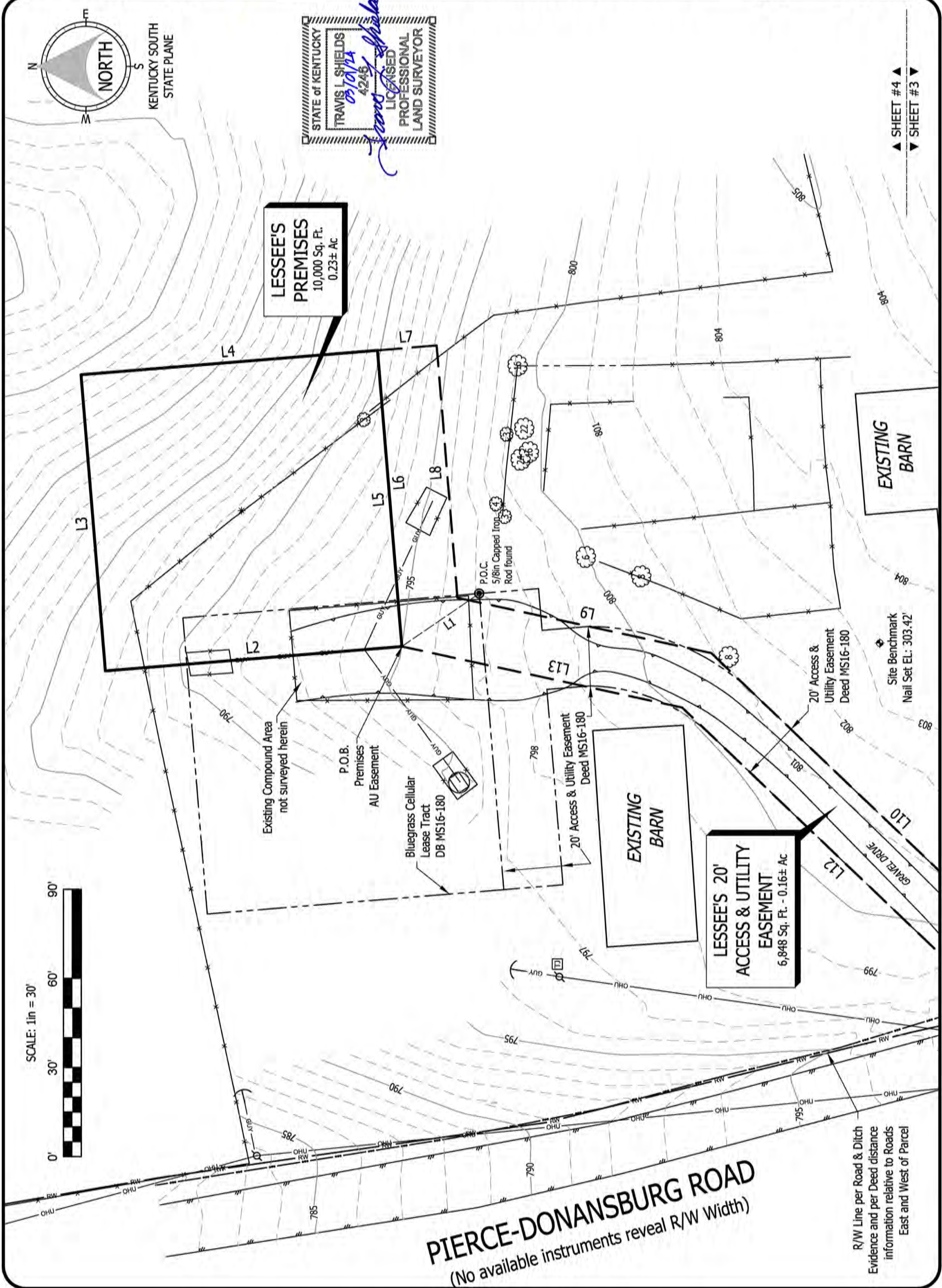
SHEET **4** OF **6**



KENTUCKY SOUTH
 STATE PLANE



SCALE: 1in = 30'



LESSEE'S PREMISES
 10,000 Sq. Ft.
 0.23± AC

LESSEE'S 20' ACCESS & UTILITY EASEMENT
 6,848 Sq. Ft. - 0.16± AC

EXISTING BARN

EXISTING BARN

PIERCE-DONANSBURG ROAD
 (No available instruments reveal R/W Width)

R/W Line per Road & Ditch
 Evidence and per Deed distance
 information relative to Roads
 East and West of Parcel

▲ SHEET #4 ▲
 ▼ SHEET #3 ▼

LESSEE'S PREMISES

All that tract or parcel of land lying and being in Green County, Kentucky, and being a portion of the property of Thomas G. Davis and Reta K. Davis, of record in Deed Book 167, Page 164, Office of the Green County Court Clerk, and being more particularly described as follows:

Commence at a five-eighths-inch Capped Iron Rod found at the Southeast Corner of the land leased by Deed Book MS16, Page 180, said records;
Thence along a Chord Tie Line having a Bearing of N 34°23'26" W, a distance of 31.56 feet to the POINT OF BEGINNING;

Thence N 04°42'13" W, a distance of 100.00 feet;
Thence N 85°17'47" E, a distance of 100.00 feet;
Thence S 04°42'13" E, a distance of 100.00 feet;
Thence S 85°17'47" W, a distance of 100.00 feet to the POINT OF BEGINNING.

Said Premises contains 0.23 Acres (10,000 Square Feet), more or less.

LESSEE'S 20' ACCESS & UTILITY EASEMENT

All that tract or parcel of land lying and being in Green County, Kentucky, and being a portion of the property of Thomas G. Davis and Reta K. Davis, of record in Deed Book 167, Page 164, Office of the Green County Court Clerk, and being more particularly described as follows:

Commence at a five-eighths-inch Capped Iron Rod found at the Southeast Corner of the land leased by Deed Book MS16, Page 180, said records;
Thence along a Chord Tie Line having a Bearing of N 34°23'26" W, a distance of 31.56 feet to the POINT OF BEGINNING;

Thence N 85°17'47" E, a distance of 100.00 feet;
Thence S 04°42'13" E, a distance of 20.00 feet;
Thence S 85°17'47" W, a distance of 85.20 feet;
Thence S 12°18'05" W, a distance of 87.31 feet;
Thence S 43°43'29" W, a distance of 167.39 feet to a point on the Eastern Right-of-Way Line of Pierce-Donansburg Road;
Thence N 12°31'19" W, along said Right-of-Way Line, a distance of 24.05 feet;
Thence N 43°43'29" E, leaving said Right-of-Way Line, a distance of 148.40 feet;
Thence N 12°18'05" E, a distance of 96.48 feet to the POINT OF BEGINNING.

Said Easement contains 0.16 Acres (6,848 Square Feet), more or less.



Travis L. Shields

(Not a Boundary Survey of Parent Lands. Not intended for fee simple Land Transfer)

**SITE SURVEY
CK PIERCE II
Site Number: KY0112**

Pierce Donansburg Road, Greensburg, KY 42743
Green County, Kentucky

DESCRIPTIONS

DWG#: 23280
ISSUE #: 1
ISSUE DATE: 03-01-2024
SEE SHEET #1

SHEET
5
OF
6

THE LAND CONSULTANTS
5449 HIGHWAY 41
JASPER, TN 37347
423-304-6722



PREPARED FOR



TOWERCO IV HOLDINGS, LLC
5000 Valleystone Drive # 200,
Cary NC. 27519

TITLE EXAMINATION

Surveyor's treatment of Title Examination Items is limited to the scope described in ALTA/NSPS 2021 requirements, Section 6. C. ii., and is limited to determination of the extent of land, that Title Items may influence, if any. "Extent of Property" may be: Blanket in nature for a Parcel or Parcels (not subject to mapping, but assumed to also apply to Lessee's Areas (if any) insofar as these may lie on Parcel(s) influenced by instrument); specifically described by instrument (mapped and shown only if within the Surveyed Area). Determination of physical location may not be possible if: instrument is illegible; instrument lacks sufficient descriptive information; or instrument refers to other instruments which were not included in the title exam and not otherwise available to surveyor. Factors beyond physical location, such as the type of influence that "Restrictions, Covenants, Terms or Conditions" contained in instruments may impart upon Parcels or Lessee's Site or Easements are not evaluated by Land Surveyor. Review by Title Attorney may be warranted. Land Surveyors may not practice Law.)

Reference: Report of Title, prepared by U.S. Title Solutions, File No. UST75813, dated August 03, 2023, Schedule III.

1. Mortgages, etc.: None Listed
2. Judgments & Liens: None Listed.
3. Covenants & Restrictions: none Listed.
4. Easements & Rights-of-Way: None Listed
- 5.1 Deed MS16-180: Memorandum of Lease, Bluegrass Cellular. A Lease area and 20' Access & Utility Easement as shown hereon. Located on Parent Tax Parcel. This Lease Area intersects with with Lessee's Premises and Easement as shown hereon. The 20' Access & Utility Easement shares land with Lessee's Access & Utility Easement shown hereon.
- 5.1 Deed MS16-79 & 80: Memorandum of Lease: A telecom Lease, said to be described by an "Exhibit A", which was not included in Deed. Assumed to lie on Parent Tax Parcel (grantor is the owner of Parent Tax Parcel), determination of location is not possible.
6. Unrecorded Documents: not subject to survey review.

Surveyor's certification of Survey extends only to the Survey Area as shown on Survey Map Sheets. This sheet includes items based on information supplied to Surveyor by Title Examiners and other sources, presented hereon as a convenience to clients, not included under Survey Certification. No Survey was performed outside the Survey Area.



LEGAL DESCRIPTION OF PARENT PARCEL

In Green County, Kentucky-

BEGINNING at an iron pin on the east side of Pierce-Donansburg Road, corner of the Imogene Thompson property; thence with the east side of said Pierce-Donansburg Road as follows: North 05 degrees 02 minutes West 623.3 feet; North 08 degrees 21 minutes West 123.8 feet; North 09 degrees 43 minutes West 127.2 feet; North 03 degrees 56 minutes West 131.3 feet; North 05 degrees 34 minutes West 308.5 feet to an iron pin on the east side of said Pierce-Donansburg Road, said iron pin being a new division corner in the Thomas R. Davis property; thence with a new division line in said Davis property North 83 degrees 56 minutes East 1567.8 feet to an iron pin in the line of the Thomas R. Davis and David Ray Davis property (Deed Book 136, page 541); thence with the lines of said Davis property as follows: South 05 degrees 12 minutes East 673.5 feet; South 06 degrees 55 minutes East 310.9 feet to an iron pin, said iron pin being a new division corner in said Thomas R. Davis property; thence with a new division line in said Davis property and then with the lines of the Barney A. Matney property (Deed Book 148, page 617) as follows: South 70 degrees 30 minutes West 369.7 feet to an iron pin; South 21 degrees 10 minutes East 63.4 feet to a post in the line of said Matney property, corner of the Dennis Davis property; thence with the line of said Dennis Davis property and then with the line of the Christopher D. Davis property (Deed Book 147, page 117) and then with the lines of the Thomas R. Davis property as follows: South 69 degrees 23 minutes West 443.2 feet to a hickory tree; South 78 degrees 04 minutes West 155.0 feet; North 02 degrees 02 minutes West 111.8 feet to an oak tree; South 80 degrees 33 minutes West 502.0 feet to an iron pin; South 07 degrees 55 minutes East 114.5 feet to a fence corner in the line of said Davis property, corner of said Thompson property; thence with the line of said Thompson property South 75 degrees 38 minutes West 153.8 feet to the beginning containing 41.61 acres, according to a new survey by Robert L. Miller, Jr., RLS #2282 on November 11, 1991.

LESS AND EXCEPT all that property conveyed to David R. Davis and Melody P. Davis, husband and wife, by Thomas G. Davis and Reta K. Davis, husband and wife by Deed of Conveyance dated June 25, 1994 and recorded on July 6, 1994 in Deed Book 174, Page 117, of Green County Clerk's Records.



(Not a Boundary Survey of Parent Lands. Not intended for fee simple Land Transfer)

SITE SURVEY
CK PIERCE II
Site Number: KY0112
Pierce Donansburg Road, Greensburg, KY 42743
Green County, Kentucky

TITLE

DWG#: 23280
ISSUE #: 1
ISSUE DATE: 03-01-2024
SEE SHEET #1

SHEET **6** OF **6**

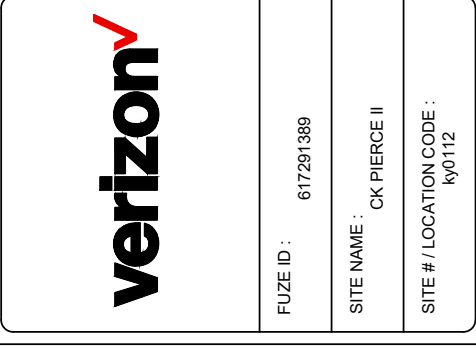
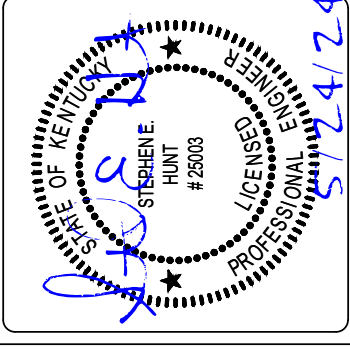


1961 NORTHPOINT BLVD.
SUITE 130
HIYSON, TN 37343
PH : 423-843-9500
FAX : 423-843-9509

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

DRAWN BY: TDD
CHECKED BY: SEH

#	DATE	BY	DESCRIPTION
2	05/24/24	MJB	TOWER CHANGE
1	05/07/24	MJB	SITE RELOCATION
0	01/29/24	PLS	ZONING ISSUE
A	12/06/23	JAE	ZONING REVIEW



FUZE ID : 617291389
SITE NAME : CK PIERCE II
SITE # / LOCATION CODE : ky0112

SITE ADDRESS : TBD PIERCE-DONANSBURG RD GREENSBURG, KY 42743
SITE TYPE : RAWLAND

SHEET TITLE : COUNTY TOWER MAP
DRAWING # : Z1
REVISION : 2

TOWER #	ASR	LATITUDE	LONGITUDE	TOWER OWNER
#1.	1262106	37°25'41.03"N	85°39'31.79"W	CELCO PARTNERSHIP
#2.	1044278	37°18'20.10"N	85°35'0.60"W	TENNESSEE GAS COMPANY LLC
#3.	1043975	37°15'36.00"N	85°30'42.00"W	ACCESS CABLE TELEVISION, INC
#4.	1063300	37°15'34.00"N	85°30'57.00"W	FIRST CORBIN REALTY, LLC
#5.	1002955	37°15'22.00"N	85°31'12.00"W	GLOBAL TOWER, LLC
#6.	1266730	37°15'19.80"N	85°35'11.90"W	CELCO PARTNERSHIP
#7.	1044502	37°15'16.00"N	85°31'10.00"W	EAST KENTUCKY POWER COOPERATIVE, INC
#8.	1258491	37°11'24.86"N	85°26'58.58"W	CELCO PARTNERSHIP
PROPOSED TOWER LOCATION	TBD	37°11'27.81"N	85°36'06.95"W	TOWERCO



GREEN COUNTY

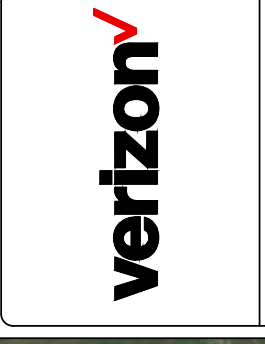
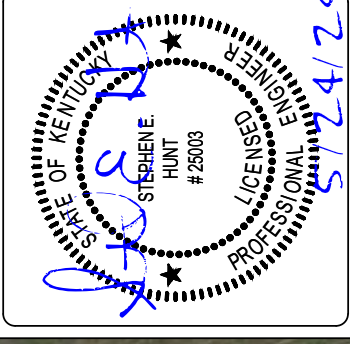


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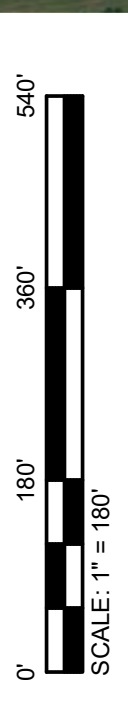
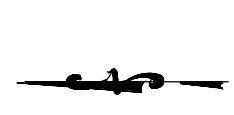
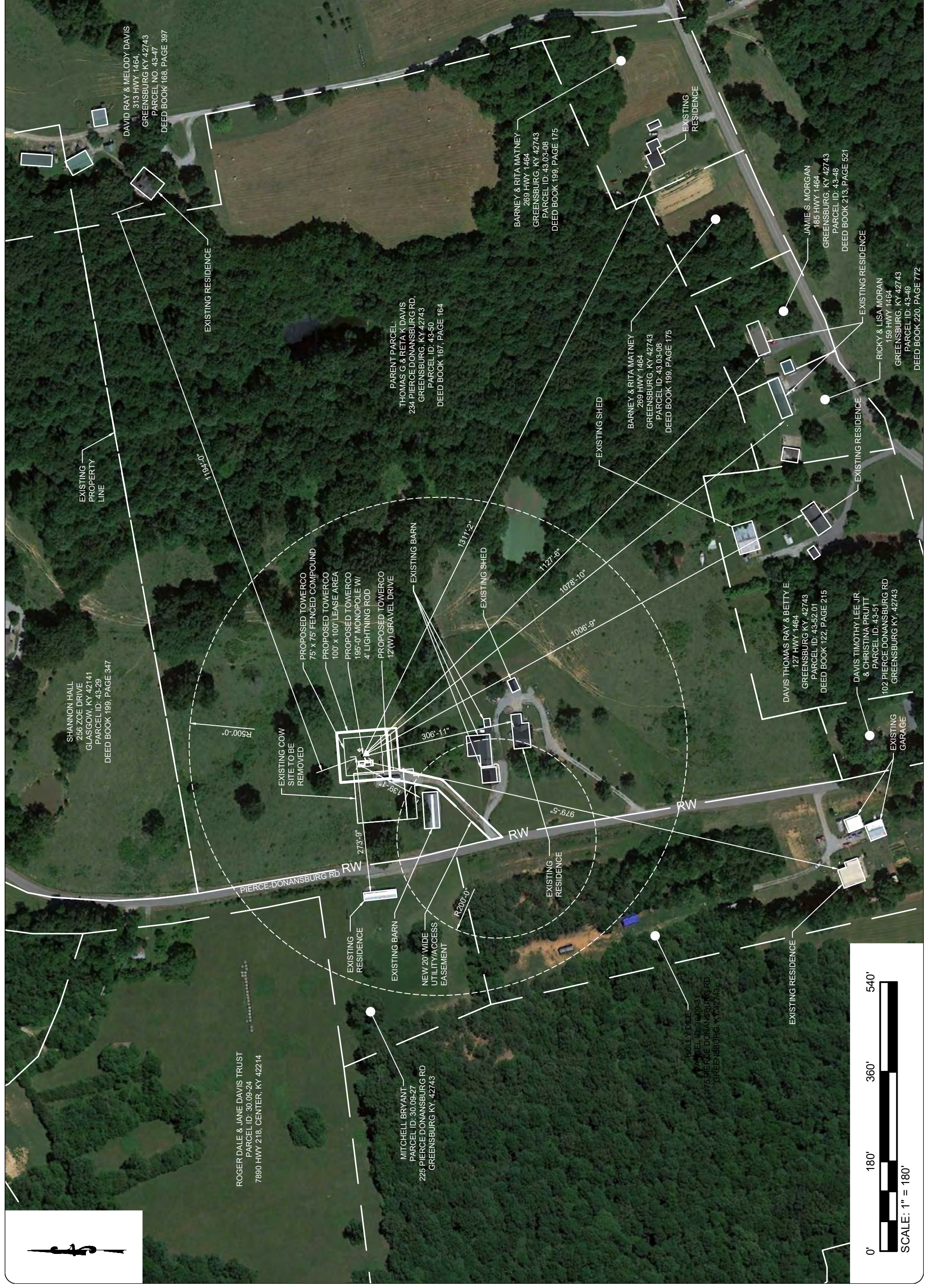
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#	DESCRIPTION
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0	01/29/24 PLS ZONING ISSUE
1	05/07/24 MJB SITE RELOCATION
2	05/24/24 MJB TOWER CHANGE



FUZE ID :	617291389
SITE NAME :	CK PIERCE II
SITE # / LOCATION CODE :	KY0112

SITE ADDRESS :	TBD PIERCE-DONANSBURG RD GREENSBURG, KY 42743
SITE TYPE :	RAWLAND
SHEET TITLE :	OVERALL SITE LAYOUT

DRAWING # :	Z2	REVISION :	2
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SHANNON HALL
256 ZOE DRIVE
GLASGOW, KY 42141
PARCEL ID: 43-29
DEED BOOK 199, PAGE 347

DAVID RAY & MELODY DAVIS
313 HWY 1464
GREENSBURG KY 42743
PARCEL NO. 43-47
DEED BOOK 168, PAGE 307

ROGER DALE & JANE DAVIS TRUST
PARCEL ID: 30.09-24
7890 HWY 218, CENTER, KY 42214

MITCHELL BRYANT
PARCEL ID: 30.09-27
225 PIERCE DONANSBURG RD
GREENSBURG KY, 42743

PARENT PARCEL:
THOMAS G & RETA K DAVIS
234 PIERCE DONANSBURG RD,
GREENSBURG, KY 42743
PARCEL ID: 43-50
DEED BOOK 167, PAGE 164

BARNEY & RITA MATNEY
269 HWY 1464
GREENSBURG, KY 42743
PARCEL ID: 43.03-08
DEED BOOK 199, PAGE 175

BARNEY & RITA MATNEY
269 HWY 1464
GREENSBURG, KY 42743
PARCEL ID: 43.03-08
DEED BOOK 199, PAGE 175

JAMIE S. MORGAN
185 HWY 1464,
GREENSBURG, KY 42743
PARCEL ID: 43-48
DEED BOOK 213, PAGE 521

RICKY & LISA MORAN
159 HWY 1464
GREENSBURG, KY 42743
PARCEL ID: 43-49
DEED BOOK 220, PAGE 772

DAVIS THOMAS RAY & BETTY E.
127 HWY 1464
GREENSBURG KY, 42743
PARCEL ID: 43-52.01
DEED BOOK 122, PAGE 215

DAVIS TIMOTHY LEE JR.
& CHRISTINA PRUITT
PARCEL ID: 43-51
102 PIERCE DONANSBURG RD
GREENSBURG KY, 42743

EXISTING GARAGE

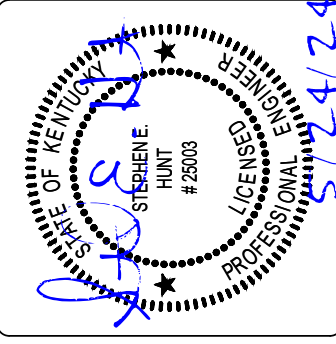


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DRAWN BY	TDD
CHECKED BY	SEH

#	DATE	BY	DESCRIPTION
A	12/06/23	JAE	ZONING REVIEW
0	01/29/24	PLS	ZONING ISSUE
1	05/07/24	MJB	SITE RELOCATION
2	05/24/24	MJB	TOWER CHANGE

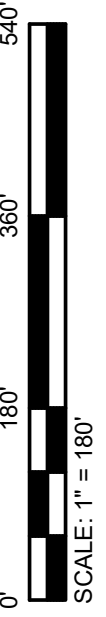
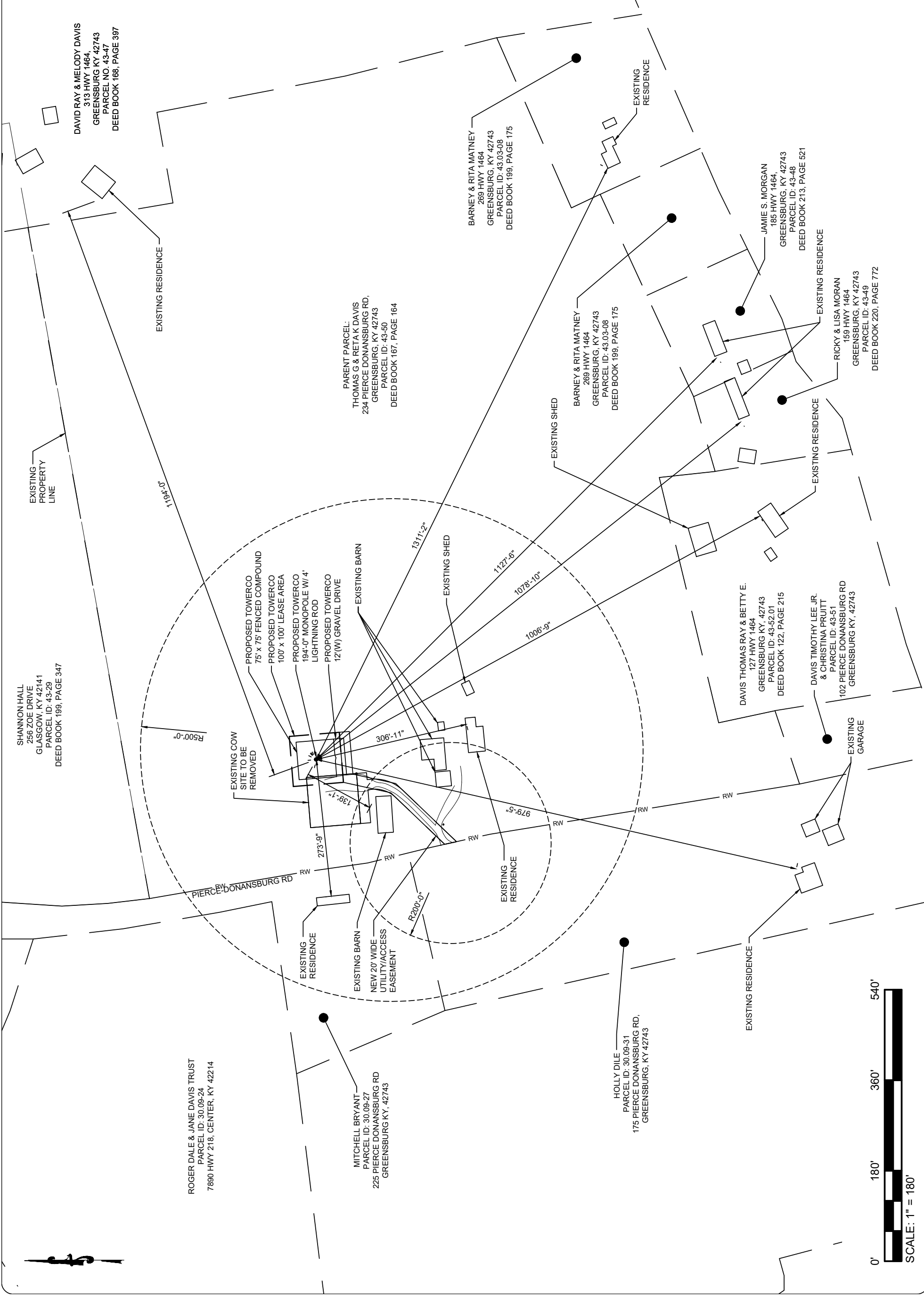


FUZE ID :	617291389
SITE NAME :	CK PIERCE II
SITE # / LOCATION CODE :	ky0112

SITE ADDRESS :	TBD PIERCE-DONANSBURG RD GREENSBURG, KY 42743
SITE TYPE :	RAWLAND

SHEET TITLE :	500' RADIUS AND ABUTTERS MAP
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DRAWING # :	Z3	REVISION :	2
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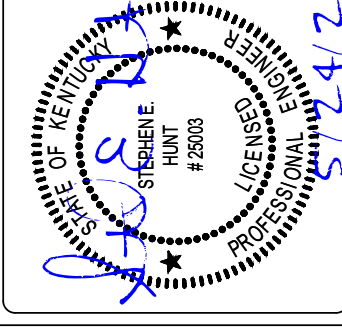
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DRAWN BY	TDD
CHECKED BY	SEH

REVISIONS

#	DATE	BY	DESCRIPTION
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1	05/07/24	MJB	SITE RELOCATION
0	01/29/24	PLS	ZONING ISSUE
A	12/06/23	JAE	ZONING REVIEW



FUZE ID : 617291389

SITE NAME : CK PIERCE II

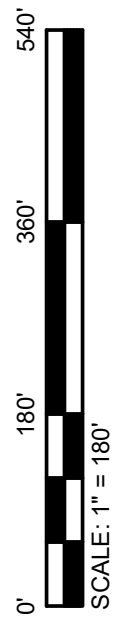
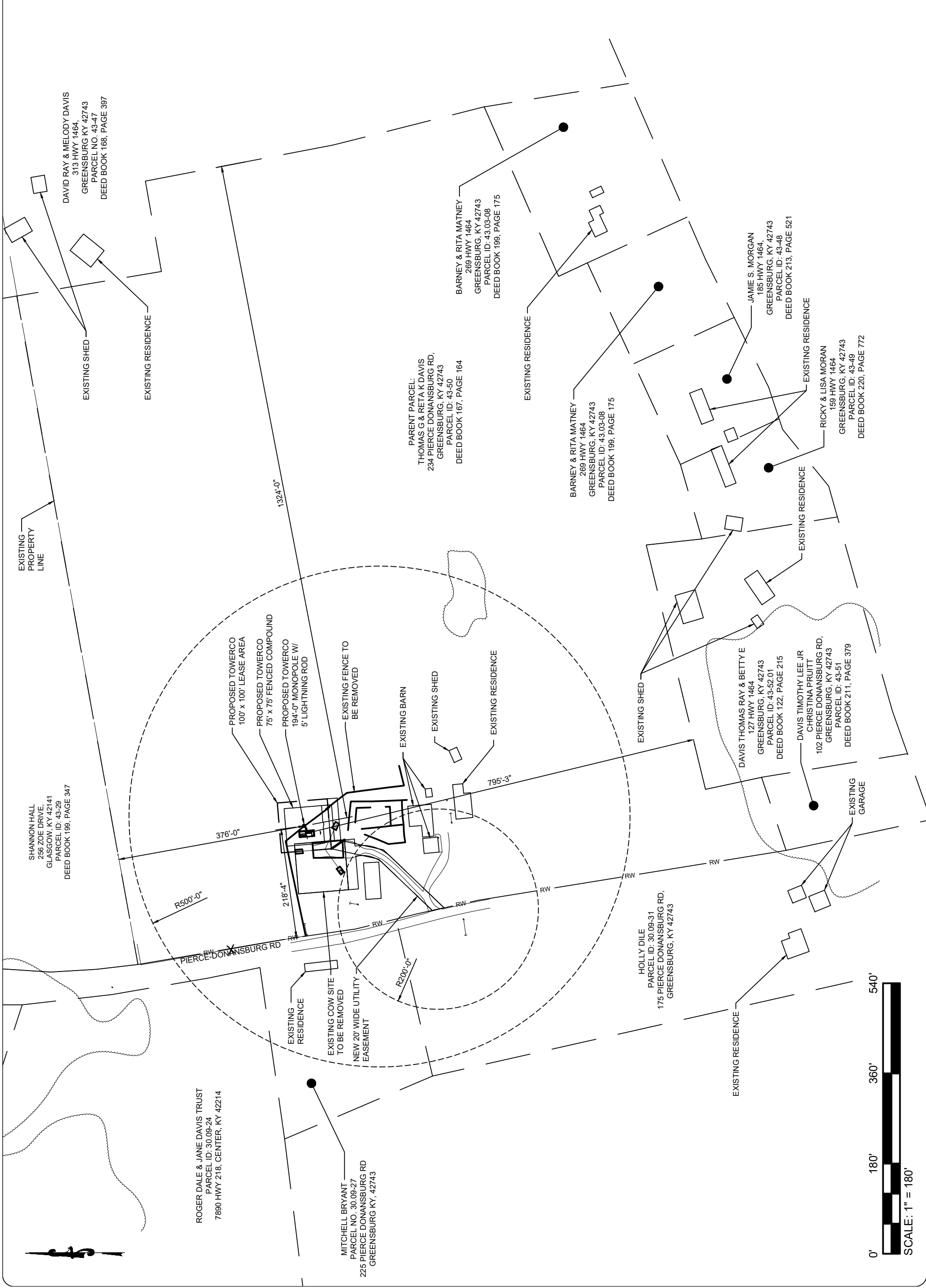
SITE # / LOCATION CODE : ky0112

SITE ADDRESS : TBD PIERCE-DONANSBURG RD GREENSBURG, KY 42743

SITE TYPE : RAWLAND

SHEET TITLE : OVERALL SITE LAYOUT

DRAWING # :	Z4	REVISION :	2
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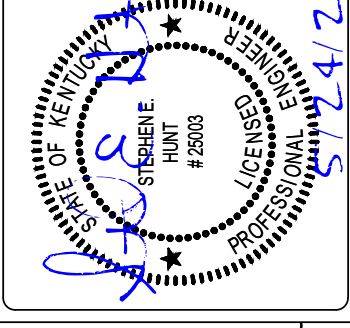
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SUITE 130
HIYSON, TN 37343
PH : 423-843-9500
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DRAWN BY	TDD
CHECKED BY	SEH

REVISIONS

#	DATE	BY	DESCRIPTION
2	05/24/24	MJB	TOWER CHANGE
1	05/07/24	MJB	SITE RELOCATION
0	01/29/24	PLS	ZONING ISSUE
A	12/06/23	JAE	ZONING REVIEW

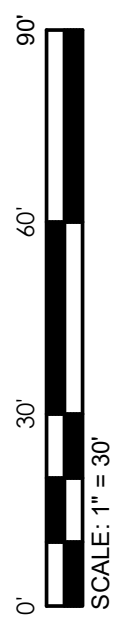
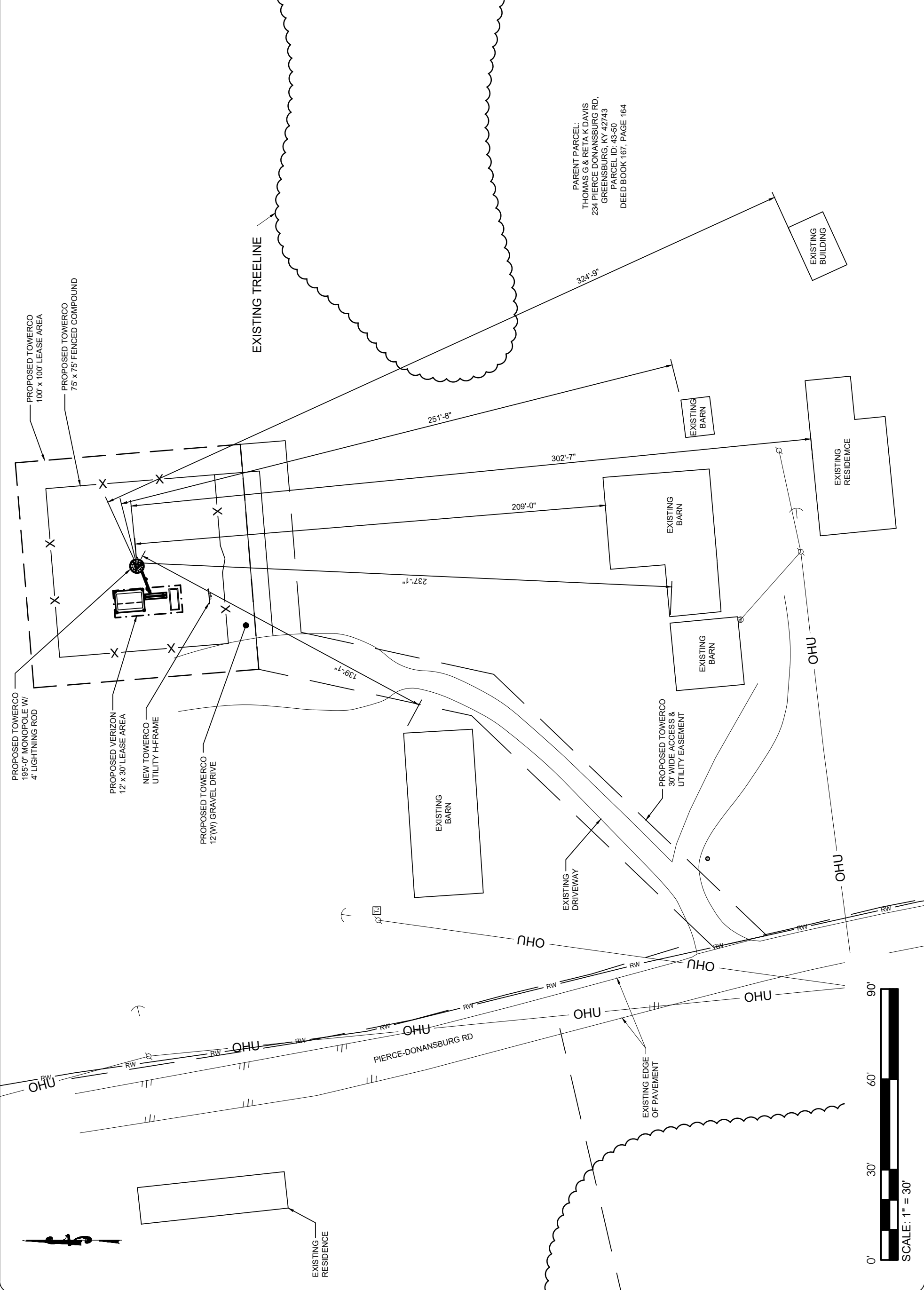


FUZE ID :	617291389
SITE NAME :	CK PIERCE II
SITE # / LOCATION CODE :	ky0112

SITE ADDRESS :	TBD PIERCE-DONANSBURG RD GREENSBURG, KY 42743
SITE TYPE :	RAWLAND

SHEET TITLE :	SITE PLAN
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DRAWING # :	Z5	REVISION :	2
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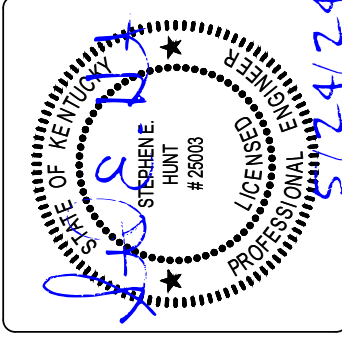


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DRAWN BY	TDD
CHECKED BY	SEH

#	DATE	BY	DESCRIPTION
2	05/24/24	MJB	TOWER CHANGE
1	05/07/24	MJB	SITE RELOCATION
0	01/29/24	PLS	ZONING ISSUE
A	12/06/23	JAE	ZONING REVIEW

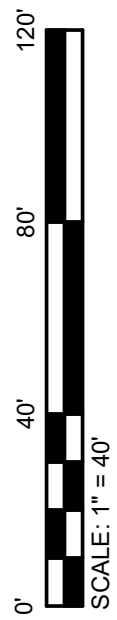
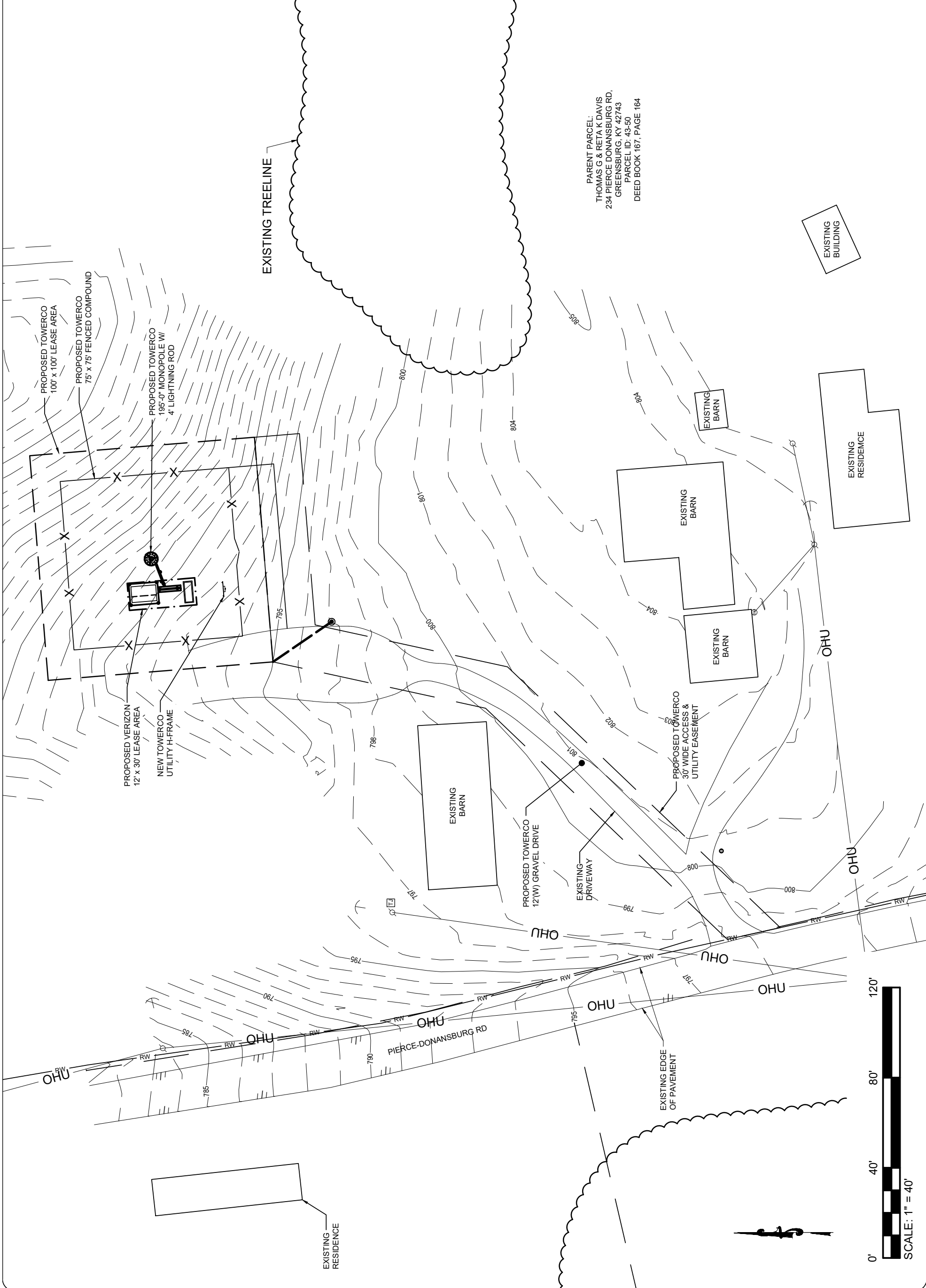


FUZE ID :	617291389
SITE NAME :	CK PIERCE II
SITE # / LOCATION CODE :	ky0112

SITE ADDRESS :	TBD PIERCE-DONANSBURG RD GREENSBURG, KY 42743
SITE TYPE :	RAWLAND

SHEET TITLE :	EROSION CONTROL SITE PLAN
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DRAWING # :	Z6	REVISION :	2
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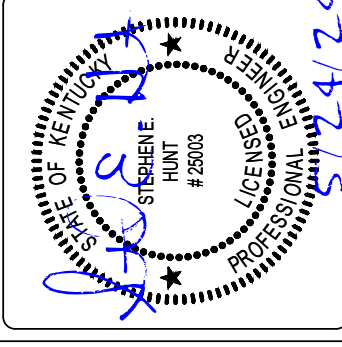
1961 NORTHPOINT BLVD.
SUITE 130
HIYSON, TN 37343
PH : 423-843-9500
FAX : 423-843-9509

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DRAWN BY	TDD
CHECKED BY	SEH

REVISIONS

#	DATE	BY	DESCRIPTION
2	05/24/24	MJB	TOWER CHANGE
1	05/07/24	MJB	SITE RELOCATION
0	01/29/24	PLS	ZONING ISSUE
A	12/06/23	JAE	ZONING REVIEW



FUZE ID : 617291389

SITE NAME : CK PIERCE II

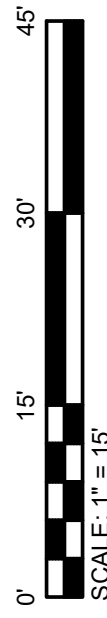
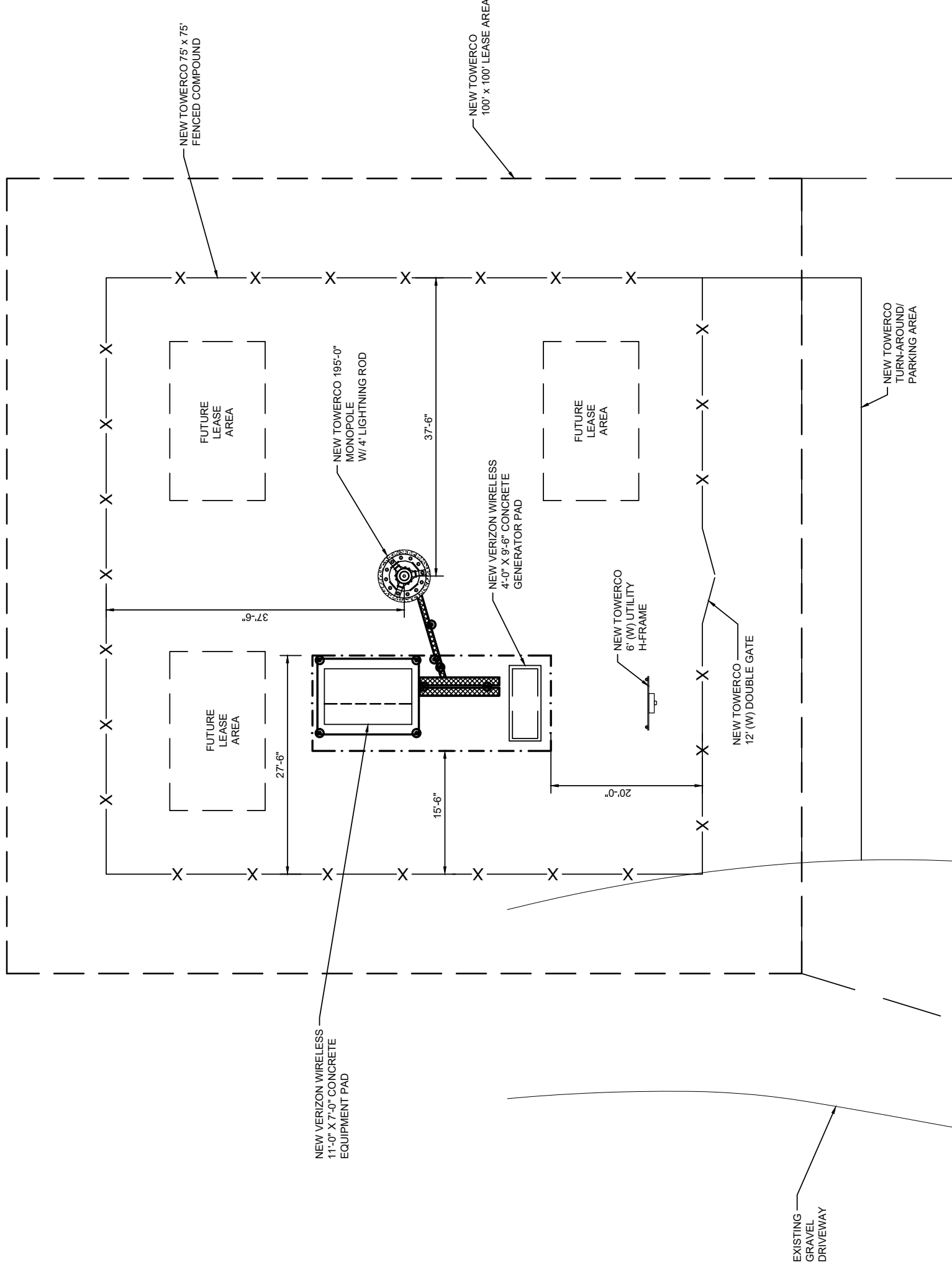
SITE # / LOCATION CODE : ky0112

SITE ADDRESS :
TBD PIERCE-DONANSBURG RD
GREENSBURG, KY 42743

SITE TYPE : RAWLAND

SHEET TITLE :
DIMENSION SITE PLAN

DRAWING # :	Z7	REVISION :	2
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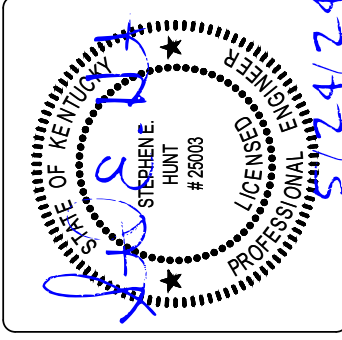


1961 NORTHPOINT BLVD.
SUITE 130
HIYSON, TN 37343
PH : 423-843-9500
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REVISIONS			
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2	05/24/24	MJB	TOWER CHANGE
1	05/07/24	MJB	SITE RELOCATION
0	01/29/24	PLS	ZONING ISSUE
A	12/06/23	JAE	ZONING REVIEW



FUZE ID : 617291389

SITE NAME : CK PIERCE II

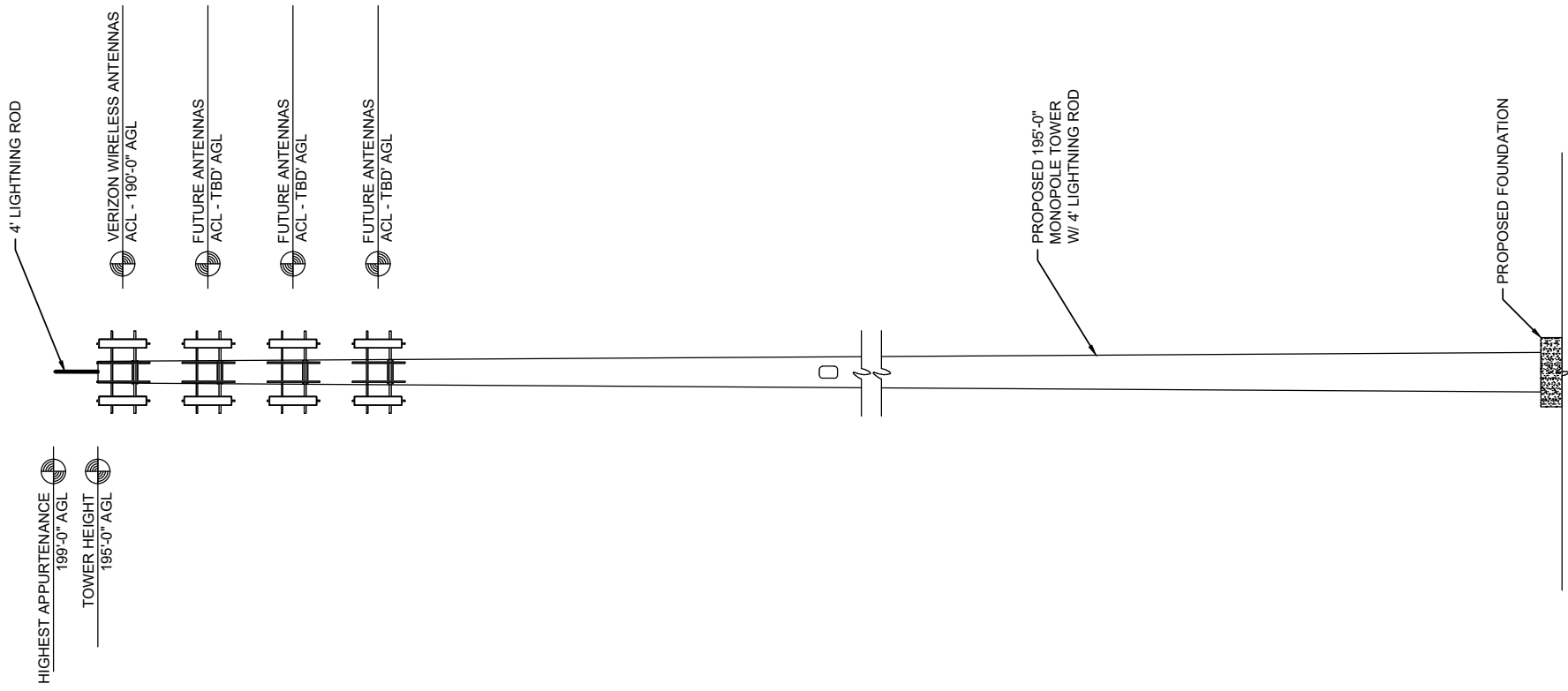
SITE # / LOCATION CODE : ky0112

SITE ADDRESS : TBD PIERCE-DONANSBURG RD
GREENSBURG, KY 42743

SITE TYPE: RAWLAND

SHEET TITLE : TOWER ELEVATION

DRAWING # :	Z8	REVISION :	2
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TOWER ELEVATION
NTS



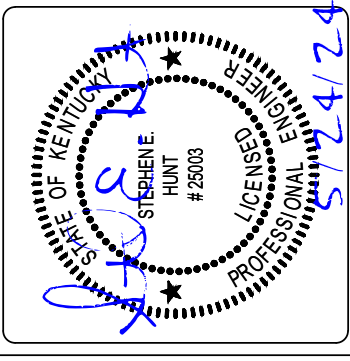
1961 NORTHPOINT BLVD.
SUITE 130
HIYSON, TN 37343
PH : 423-843-9500
FAX : 423-843-9509

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REVISIONS

#	DATE	BY	DESCRIPTION
A	12/06/23	JAE	ZONING REVIEW
0	01/29/24	PLS	ZONING ISSUE
1	05/07/24	MJB	SITE RELOCATION
2	05/24/24	MJB	TOWER CHANGE



FUZE ID : 617291389

SITE NAME : CK PIERCE II

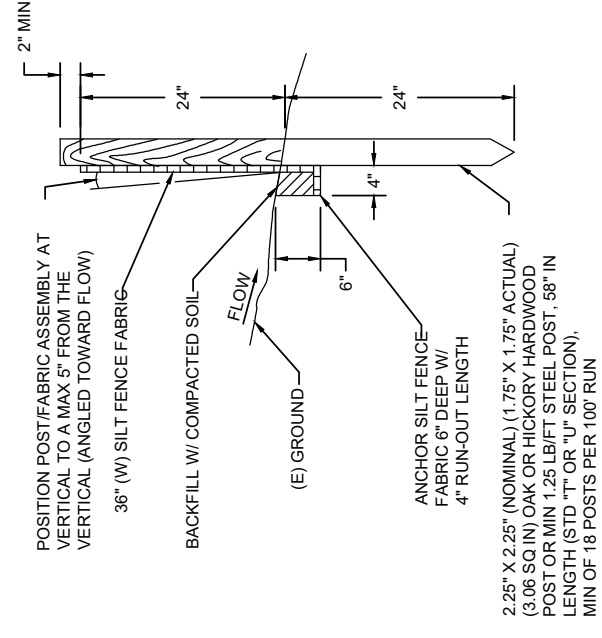
SITE # / LOCATION CODE : ky0112

SITE ADDRESS : TBD PIERCE-DONANSBURG RD
GREENSBURG, KY 42743

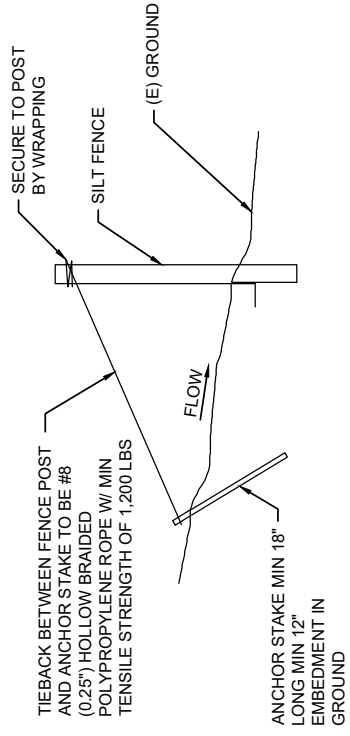
SITE TYPE : RAWLAND

SHEET TITLE : SITE DETAILS

DRAWING # :	Z9	REVISION :	2
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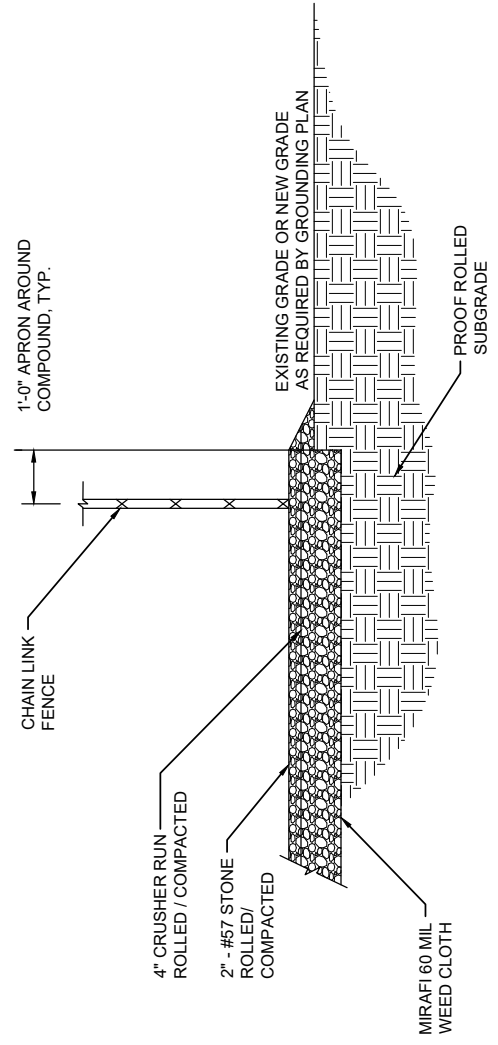
SECTIONAL VIEW



SILT FENCE TIEBACK FOR STEEL OR WOOD POSTS

SILT FENCE DETAIL 1

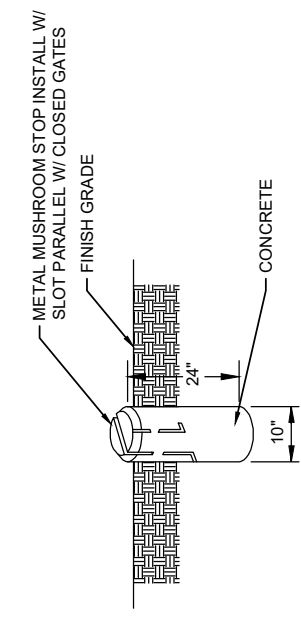
COMPOUND SURFACING 2



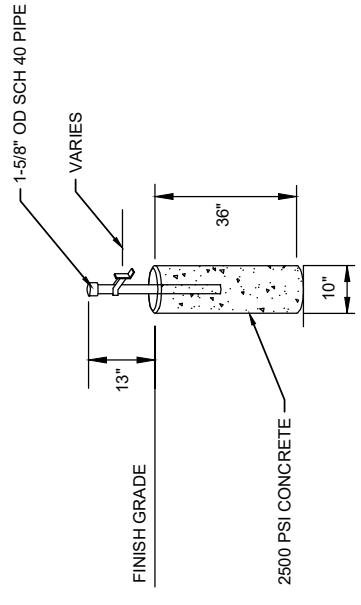
TYPICAL WOVEN WIRE FENCING NOTES:

- (INSTALL FENCING PER ASTM F-567, SWING GATES PER ASTM F-900)
- GATE POST, CORNER, TERMINAL OR PULL POST SHALL BE 3"Ø SCHEDULE 40 FOR GATE WIDTHS UP THRU 7 FEET OR 14 FEET FOR DOUBLE SWING GATE PER ASTM-F1083.
 - LINE POST: 2"Ø SCHEDULE 40 PIPE PER ASTM-F1083. INSTALL EVERY 8'-0" ALONG FENCE LINE.
 - GATE FRAME: 1-1/2"Ø SCHEDULE 40 PIPE, STEEL, HOT-DIPPED ZINC COATED (GALVANIZED) WELDED STEEL PIPE PER ASTM-F1083.
 - TOP RAIL & BRACE RAIL: 1-5/8"Ø SCHEDULE 40 PIPE PER ASTM-F 1083.
 - CHAIN LINK FABRIC: 9 GA. MIN. CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM-A392.
 - TIE WIRE: MINIMUM 11 GA. GALVANIZED STEEL. INSTALL A SINGLE WRAP TIE WIRE AT POSTS AND RAILS AT MAX. 24" INTERVALS. INSTALL HOG RINGS ON TENSION WIRE AT 24" INTERVALS.
 - TENSION WIRE: 7 GA. GALVANIZED STEEL.
 - BARBED WIRE: DOUBLE STRAND 12-1/2" GA. TWISTED WIRE, 4 PT. BARBS SPACED ON APPROXIMATELY 5" CENTERS. (IF USED)
 - GATE LATCH: 1-3/8" OD PLUNGER ROD W/ MUSHROOM TYPE CATCH AND LOCK (KEYED ALIKE FOR ALL SITES OR COMBINATION AS SPECIFIED BY OWNER)
 - LOCAL ORDINANCE FOR BARBED WIRE PERMIT SHALL GOVERN INSTALLATION. HEIGHT= 8' VERTICAL + 1' BARBED WIRE VERTICAL DIMENSION. WORK WITH SPECIFICATION 2831.

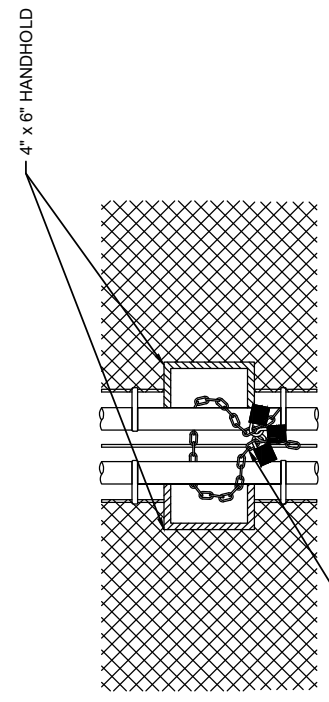
CHECK LOCAL CODES FOR BARBED WIRE REQUIREMENTS.



MUSHROOM STOP
NTS

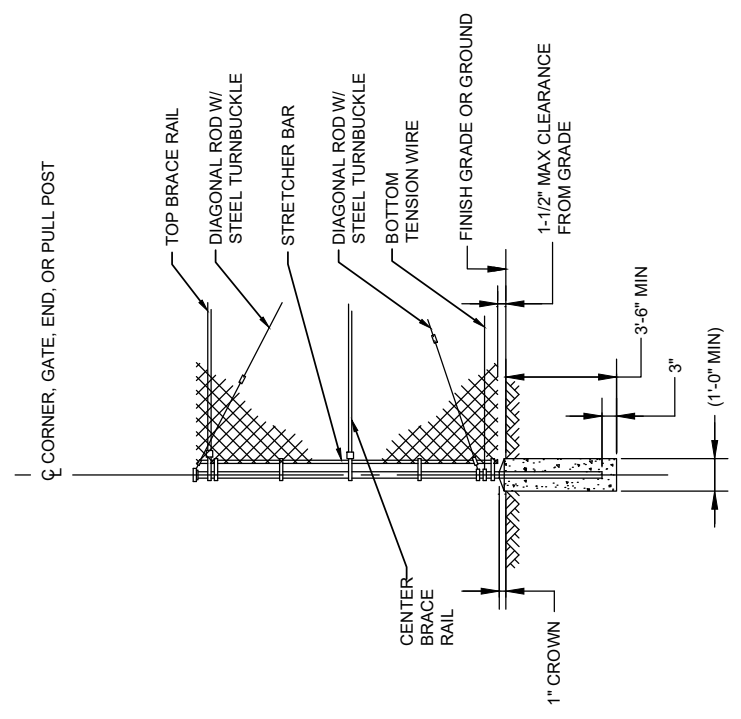


GATE STOP DETAIL
NTS

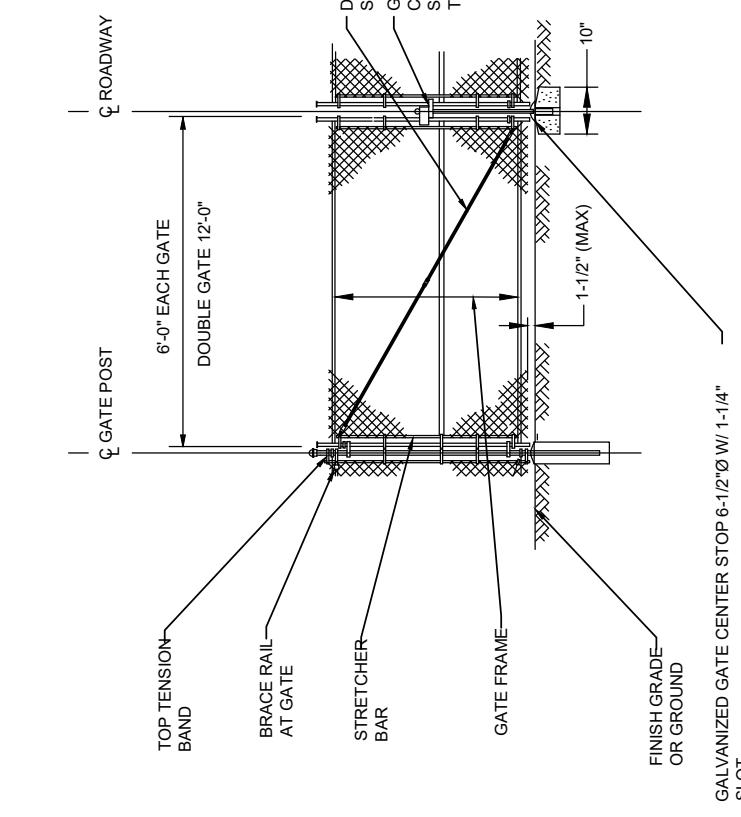


FENCE LOCK DETAIL
NTS

CONTRACTOR TO SUPPLY & INSTALL A 3/8" x 36" FORGED ZINC COATED CHAIN W/ A FOUR DIGIT COMBO MASTER LOCK W/ ELONGATED SHANK

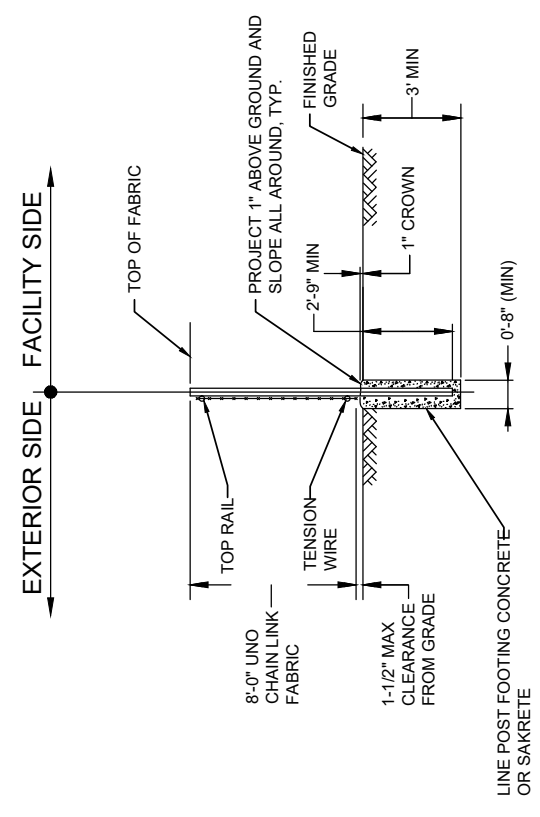


WOVEN WIRE CORNER, GATE, END OR PULL POST
NTS



GALVANIZED GATE CENTER STOP 6-1/2"Ø W/ 1-1/4" SLOT, 1-3/8" SHANK IN 1-5/8"Ø PIPE SET IN CONCRETE. SEE DETAIL ON THIS SHEET

WOVEN WIRE DOUBLE GATE
NTS



TYPICAL SECTION

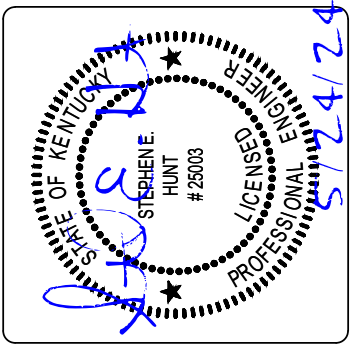
WOVEN WIRE FENCE
NTS



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CHECKED BY	SEH

REVISIONS	
2	05/24/24 MJB TOWER CHANGE
1	05/07/24 MJB SITE RELOCATION
0	01/29/24 PLS ZONING ISSUE
A	12/06/23 JAE ZONING REVIEW
#	DATE BY DESCRIPTION



FUZE ID :	617291389
SITE NAME :	CK PIERCE II
SITE # / LOCATION CODE :	ky0112

SITE ADDRESS :	TBD PIERCE-DONANSBURG RD GREENSBURG, KY 42743
SITE TYPE :	RAWLAND

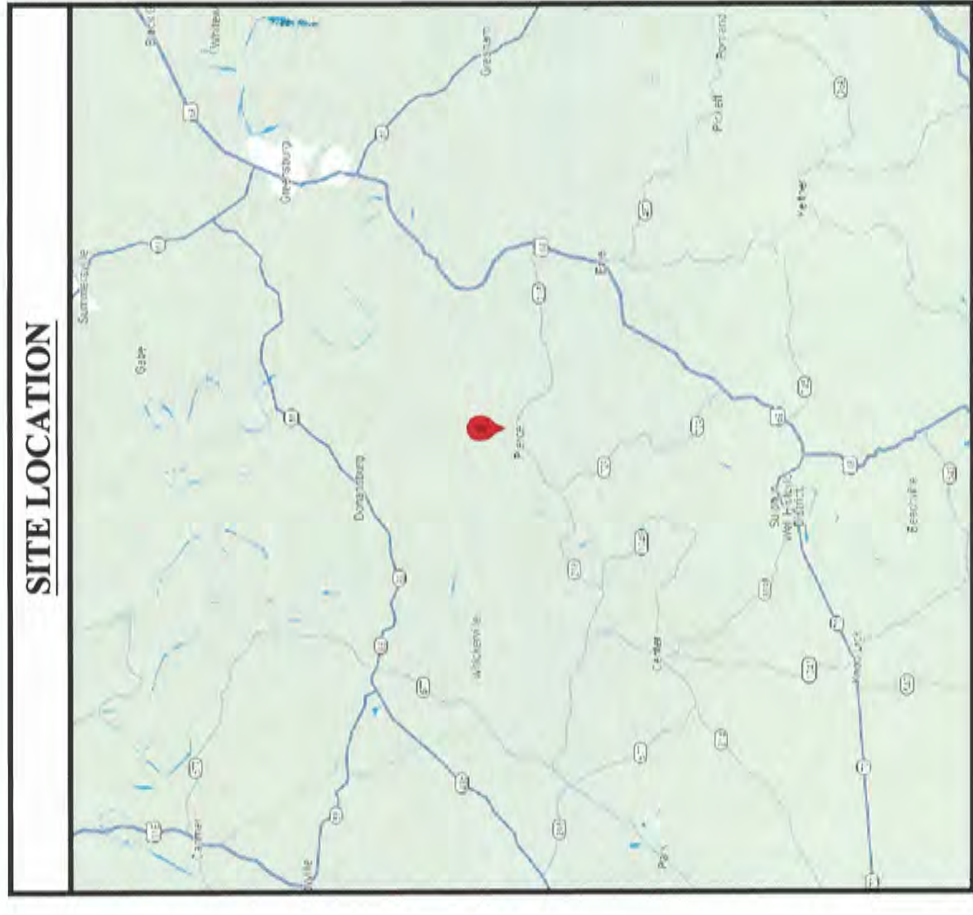
SHEET TITLE :	SITE DETAILS
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DRAWING # :	Z10
REVISION :	2

FOUNDATION DESIGN DRAWINGS

195-FT MONOPOLE

SITE NAME
CK PIERCE
SITE ID
KY0112
SITE ADDRESS
PIERCE DONANSBURG RD.
GREENSBURG, KY 42743



PROJECT CONTACT DIRECTORY

TOWER OWNER: TOWERCO
 5000 VALLEYSTONE DR.
 CARY, NC 27519
 OFFICE: (919) 653-5700
 WWW.TOWERCO.COM

 ENGINEER:
 DELTA OAKS GROUP
 CONTACT: MICHAEL LASSITER, SE, PE
 4904 PROFESSIONAL COURT, 2ND FLOOR
 RALEIGH, NC 27609
 (919) 342-8247
 ENG-STRUCTURAL@DELTAOAKSGROUP.COM

SITE OVERVIEW

TYPE OF OCCUPANCY: TELECOMMUNICATIONS
 TOWER TYPE: MONOPOLE
 FOUNDATION DESIGN: PAD & PIER
 TOWER HEIGHT: 195-FT +/-
 TOWER LATITUDE: 37.1915°±
 TOWER LONGITUDE: -85.602°±
 RISK CATEGORY/STRUCTURE CLASS: II

KENTUCKY
 KENTUCKY 811
 811 OR (800) 752-6007
 CALL 48 HOURS BEFORE YOU DIG

ALL DIMENSIONS, MEASUREMENTS, QUANTITIES, AND PART NUMBERS TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO MATERIAL ORDERS AND CONSTRUCTION

CONSTRUCTION SHALL BE PER STANDARDS TIA-322-2016: LOADING, ANALYSIS, AND DESIGN CRITERIA RELATED TO THE INSTALLATION, ALTERATION AND MAINTENANCE OF COMMUNICATION STRUCTURES AND ASSP A10.48-2016: CRITERIA FOR SAFETY PRACTICES WITH THE CONSTRUCTION, DEMOLITION, MODIFICATION AND MAINTENANCE OF COMMUNICATION STRUCTURES.

SHEET INDEX	
SHEET NO.	DESCRIPTION
T-1	TITLE SHEET
F-1	PAD & PIER FOUNDATION DESIGN
F-2	FOUNDATION SECTION DETAILS
F-3	FOUNDATION SECTION DETAILS
GN-1	GENERAL NOTES

PREPARED FOR:

5000 VALLEYSTONE DR.
 CARY, NC 27519
 OFFICE: (919) 653-5700
 WWW.TOWERCO.COM

PREPARED BY:

DELTA OAKS GROUP
 4904 PROFESSIONAL COURT, SECOND FLOOR
 RALEIGH, NC 27609
 PHONE: (919) 342-8247
 www.deltaoaksgroup.com

Digitally signed
 Michael Lassiter
 Michael Lassiter
 2023.06.17
 13:44:00
 24895
 LICENSED PROFESSIONAL ENGINEER

MICHAEL LASSITER, SE, PE
 KENTUCKY LICENSE NO. 24895
 6/17/24
 DRAWN BY: MEA
 CHECKED BY: MILL
 APPVD: MILL
 PROJECT NO: STR24-20796-08

SUBMITTALS		
DATE	DESCRIPTION	REV ISSUED BY
6/17/24	REVIEW	0 MEA

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SITE NAME:
 CK PIERCE

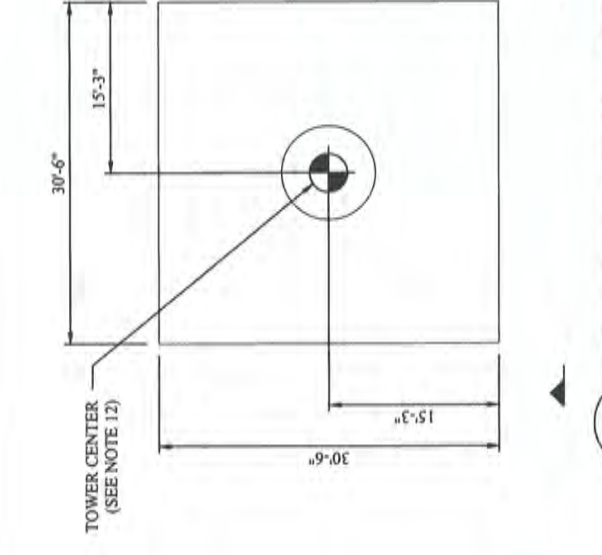
SITE ADDRESS:
 PIERCE DONANSBURG RD.
 GREENSBURG, KY 42743

SITE ID:
 KY0112

SHEET TITLE
 TITLE SHEET

SHEET NUMBER
 T-1

- NOTES:**
- CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4500-PSI.
 - REBAR SHALL CONFORM TO ASTM SPECIFICATION A615.
 - ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 1 INCH.
 - SEE GEOTECHNICAL REPORT(S) FOR INSTALLATION REQUIREMENTS
 - REINFORCEMENT SHALL BE 3 INCHES CLEAR FROM EDGES OF CONCRETE UNLESS OTHERWISE NOTED.
 - REFER TO CONCRETE AIR CONTENT TABLE FOR TARGET AIR CONTENT PER MAXIMUM AGGREGATE SIZE
 - IF REQUIRED, HORIZONTAL BARS MAY BE SPLICED. REFER TO HORIZONTAL REBAR SPLICE LENGTH TABLE. SPLICES SHALL BE STAGGERED FOR ADJACENT BARS TO ALLOW CONCRETE FLOW ABOUT REBAR CAGE.
 - TOP TIES TO BE DOUBLE TIES, HOOKED ON EACH END.
 - WATER NOT ENCOUNTERED.
 - ROCK NOT ENCOUNTERED.
 - HORIZ-01 SHALL BE HOOKED 90° EACH END. SEE TYPICAL 90° HOOK DETAILS ON SHEET F-2.
 - FOUNDATION ORIENTATION RELATIVE TO NORTH TO BE PROVIDED BY OTHERS.
 - FOUNDATION DESIGN(S) ARE BASED ON:
 - 13.1. TOWER DESIGN CALCULATIONS BY SABRE INDUSTRIES DATED MARCH 5, 2024. PROJECT: 24-3881-JDS WITH DESIGN CRITERIA:
 - 13.1.1. DESIGN STANDARD / CODE(S):
 - 13.1.1.1. ANSII/TIA-222-G
 - 13.1.1.2. 2015 INTERNATIONAL BUILDING CODE
 - 13.1.1.3. 2018 KENTUCKY BUILDING CODE
 - 13.1.2. BASIC WIND SPEED V(ULT) OF 115 MPH / V(3s) OF 89 MPH, NO ICE
 - 13.1.3. BASIC WIND SPEED V(I) OF 30 MPH, 0.75-in RADIAL ICE
 - 13.1.4. STRUCTURE CLASSIFICATION AND RISK CATEGORY "II"
 - 13.1.5. EXPOSURE CATEGORY "C"
 - 13.1.6. TOPOGRAPHY CATEGORY "1"
 - 13.2. REACTIONS AND ANCHOR BOLT LAYOUT FROM DESIGN DRAWINGS:
 - 13.2.1. MOMENT = 7,877.2 KIP-FT (FACTORED, DESIGN)
 - 13.2.2. SHEAR = 48.3 KIP (FACTORED, DESIGN)
 - 13.2.3. AXIAL = 83.7 KIP (FACTORED, DESIGN)
 - 13.2.4. (2) 2 1/4"Ø X 84" (GRADE A615-75) ANCHOR RODS EQUALLY SPACED ON 68 1/4"Ø B.C. WITH MINIMUM EMBEDMENT OF 72".
 - 13.3. GEOTECHNICAL INVESTIGATION BY ENGINEERED TOWER SOLUTIONS DATED MAY 24, 2024, PROJECT NO.: 24124613.
 - 13.4. SUPPLEMENTAL GEOTECHNICAL REPORT BY DELTA OAKS GROUP DATED JUNE 3, 2024, PROJECT NO.: GEO024-20796-05.
 - 13.5. 1.50" DEFLECTION LIMIT CRITERIA AT UNFACTORED DESIGN REACTIONS.
 - 13.6. 0.75" DEFLECTION LIMIT CRITERIA AT UNFACTORED SERVICE REACTIONS.
- SEISMIC DESIGN PARAMETERS:
 - 14.1. ASCE 7 DESIGN STANDARD
 - 14.2. SITE CLASS "C"
 - 14.3. SEISMIC DESIGN CATEGORY "B"



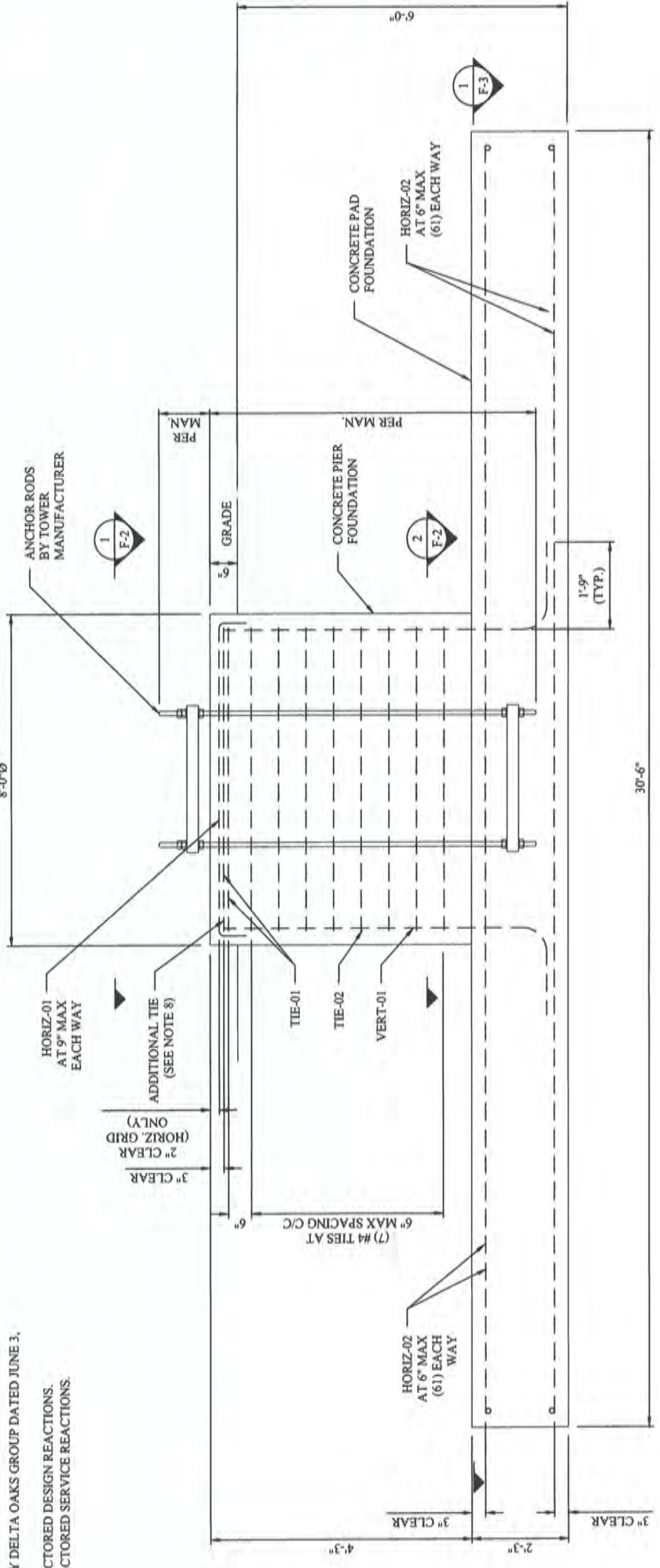
1 FOUNDATION LAYOUT
SCALE: N.T.S.

PARTS LIST - PAD & PIER

MARK NO.	DESCRIPTION	SIZE	QTY.
CONCRETE	4500-PSI MIX - LARGEST COURSE AGGREGATE SHALL BE 3/4-IN OR LESS	85.4 CY	1
VERT-01	VERTICAL REBAR	#9 ASTM A615-60 X 7'-8"	48
TIE-01	REBAR TIE	#4 ASTM A615-60 X 25'-3"	2
TIE-02	REBAR TIE	#4 ASTM A615-60 X 25'-8"	7
HORIZ-01	HORIZONTAL REBAR	#3 ASTM A615-60 X 8'-8"	20
HORIZ-02	HORIZONTAL REBAR	#9 ASTM A615-60 X 30'-0"	244

HORIZONTAL REBAR SPLICE LENGTH

REBAR SIZE	MIN. LAP LENGTH	NOMINAL MAXIMUM AGGREGATE SIZE	TARGET AIR CONTENT
#8	62"	3/8"	7.5%
#9	69"	1/2"	7.0%
#10	78"	3/4"	6.0%
#11	85"		



2 FOUNDATION ELEVATION
SCALE: N.T.S.

PREPARED FOR:

5000 VALLEYSTONE DR.
CARY, NC 27519
OFFICE: (919) 653-5700
WWW.TOWERCO.COM

PREPARED BY:

DELTA OAKS GROUP
4504 PROFESSIONAL COURT, SECOND FLOOR
RALEIGH, NC 27609
PHONE: (919) 342-8247
www.deltaoaksgroup.com

24895
MICHAEL LASSITER, SE, PE
KENTUCKY LICENSE NO. 24895

DRAWN BY: MEA
CHECKED BY: MILL
APPVD: MILL
PROJECT NO: STR24-20796-08

SUBMITTALS

DATE	DESCRIPTION	REV	ISSUED BY
6/17/24	REVIEW	B	MEA

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SITE NAME:
CK PIERCE

SITE ADDRESS:
PIERCE DONANSBURG RD.
GREENSBURG, KY 42743

SITE ID:
KY0112

SHEET TITLE
PAD & PIER
FOUNDATION DESIGN

SHEET NUMBER
F-1

SUBMITTALS		REV	ISSUED BY
DATE	DESCRIPTION		
01/20/24	REVIEW	01	MEA

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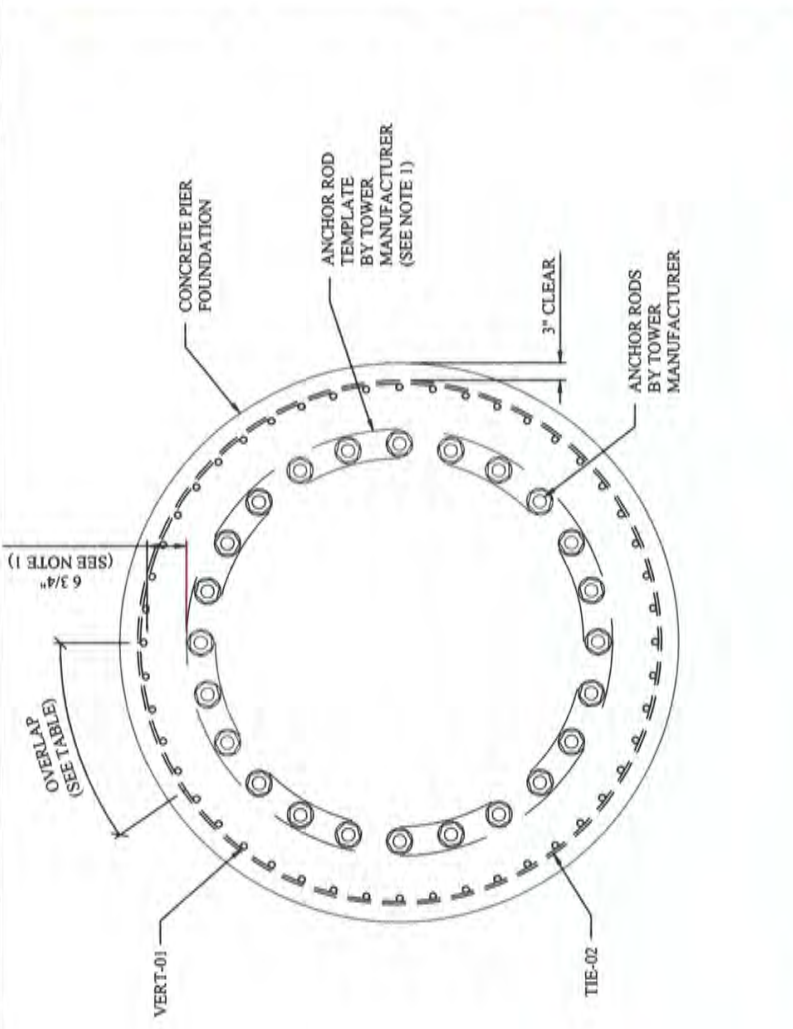
SITE NAME:
 CK PIERCE

SITE ADDRESS:
 PIERCE DONANSBURG RD,
 GREENSBURG, KY 42743

SITE ID:
 KY0112

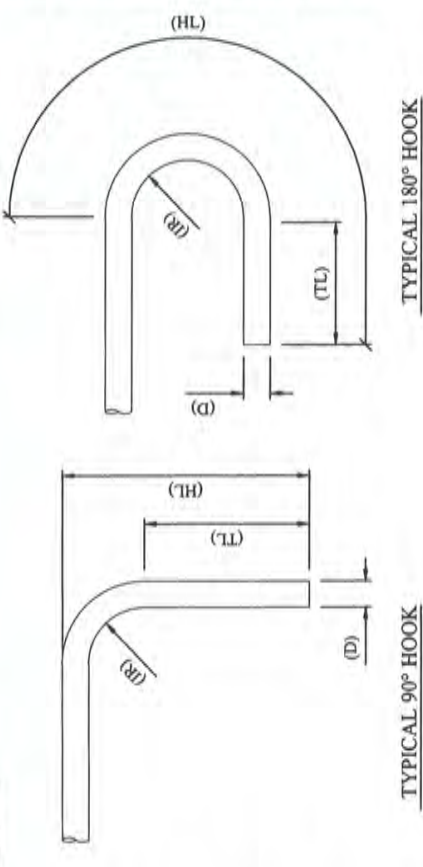
SHEET TITLE
 FOUNDATION SECTION DETAILS

SHEET NUMBER
 F-2



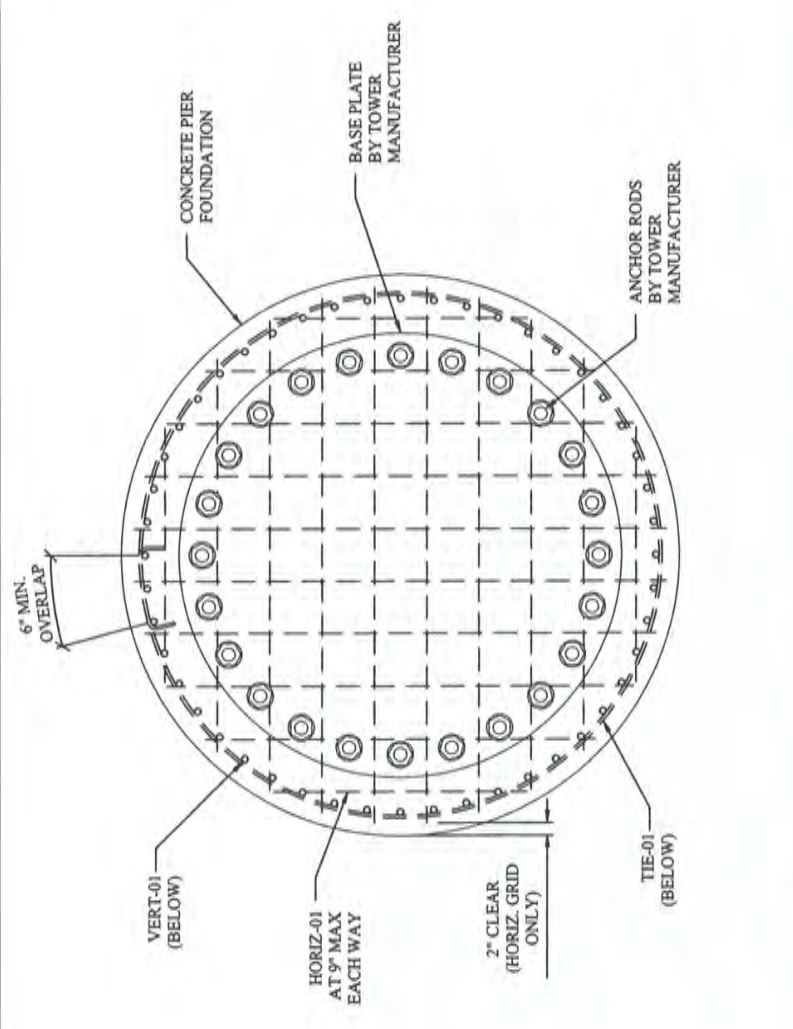
2 FOUNDATION SECTION DETAIL
 F-2 SCALE: N.T.S.

- NOTES:
- APPROXIMATE CLEAR FROM ANCHOR ROD TEMPLATE TO REBAR CAGE SHOWN.
 - HORIZONTAL REBAR GRID AT TOP OF PIER MAY BE ADJUSTED AS NECESSARY NOT TO INTERFERE WITH ANCHOR RODS. CONTRACTOR TO MAINTAIN ALL SPACING REQUIREMENTS SPECIFIED IN DETAILS.
 - REFER TO SHEET F-1 FOR PARTS LIST.
 - HORIZ SHALL BE HOOKED 90° EACH END. SEE TYPICAL 90° HOOK (AS REQUIRED FOR VERT AND HORIZ) DETAILS ON THIS SHEET.
 - TIE OVERLAPS AND HOOKS SHALL BE STAGGERED 180° BETWEEN ADJACENT TIES.



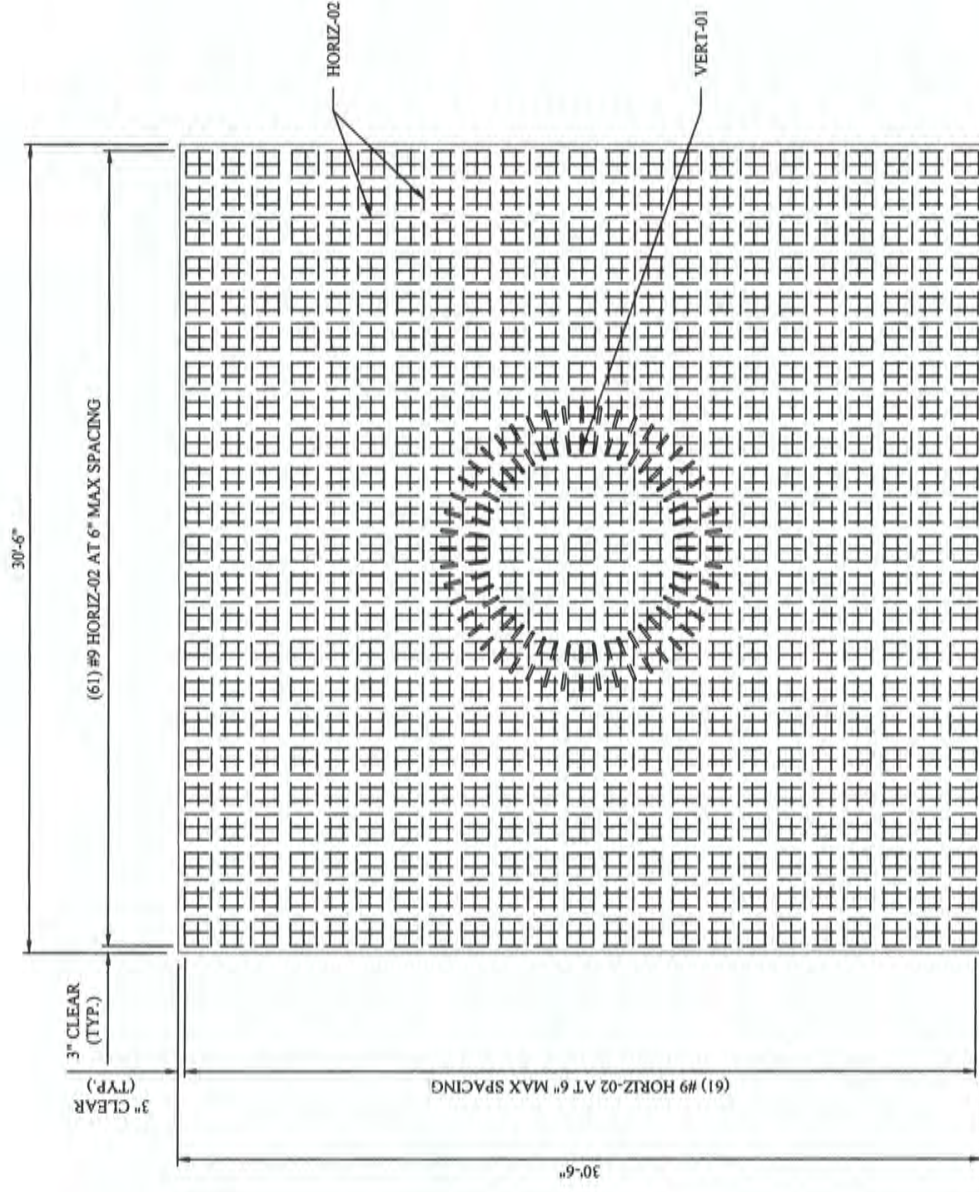
TYPICAL REBAR TERMINATION DETAILS

REBAR SIZE	BAR Ø (D)	OVERLAP (TIES)	90° HOOK (AS REQUIRED FOR VERT AND HORIZ)				90° HOOK (TIES)			180° HOOK (TIES)		
			INSIDE RADIUS (IR)	HOOK TAIL LENGTH (TL)	TOTAL HOOK LENGTH (HL)	TOTAL HOOK LENGTH (HL)	INSIDE RADIUS (IR)	HOOK TAIL LENGTH (TL)	TOTAL HOOK LENGTH (HL)	INSIDE RADIUS (IR)	HOOK TAIL LENGTH (TL)	TOTAL HOOK LENGTH (HL)
#3	3/8"±	1'-8"	1 1/8"	4 1/2"	6"	3/4"	3"	4 1/8"	3/4"	2 1/2"	7 13/16"	
#4	1/2"±	2'-3"	1 1/2"	6"	8"	1"	3"	4 1/2"	1"	2 1/2"	9 9/16"	
#5	5/8"±	2'-10"	1 7/8"	7 1/2"	10"	1 1/4"	3 3/4"	5 5/8"	1 1/4"	2 1/2"	11 5/16"	
#6	3/4"±	3'-4"	2 1/4"	9"	12"	2 1/4"	9"	12"	2 1/4"	3"	18 5/16"	
#7	7/8"±	---	2 5/8"	10 1/2"	14"	---	---	---	---	---	---	
#8	1"±	---	3"	12"	16"	---	---	---	---	---	---	
#9	1 1/8"±	---	4 1/2"	13 9/16"	19 3/16"	---	---	---	---	---	---	
#10	1 1/4"±	---	5"	15 1/4"	21 9/16"	---	---	---	---	---	---	
#11	1 3/8"±	---	5 5/8"	16 15/16"	24"	---	---	---	---	---	---	
#14	1 3/4"±	---	8 1/2"	20 5/16"	30 1/2"	---	---	---	---	---	---	
#18	2 1/4"±	---	11 3/8"	27 1/16"	40 5/8"	---	---	---	---	---	---	



1 FOUNDATION SECTION DETAIL
 F-2 SCALE: N.T.S.

- NOTES:
- REFER TO SHEET F-1 FOR PARTS LIST.
 - ANCHOR RODS AND ANCHOR ROD TEMPLATE NOT SHOWN FOR CLARITY.



1 FOUNDATION SECTION DETAIL
 F-3 SCALE: N.T.S.

PREPARED FOR:
TowerCo
 5000 VALLEYSTONE DR.
 CARY, NC 27519
 OFFICE: (919) 653-5700
 WWW.TOWERCO.COM

PREPARED BY:

 DELTA OAKS GROUP
 4904 PROFESSIONAL COURT, SECOND FLOOR
 RALEIGH, NC 27609
 PHONE: (919) 342-8247
 www.deltaoaksgroup.com



MICHAEL LASSITER, SE, PE
 KENTUCKY LICENSE NO. 24895
 6/17/24

DRAWN BY: MEA
 CHECKED BY: MILL
 APPVD: MILL
 PROJECT NO: STR24-20794-08

SUBMITTALS		REV	ISSUED BY
DATE	DESCRIPTION	B	MEA
6/17/24	REVIEW		

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS THE PROPERTY OF DELTA OAKS GROUP. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. ANY REPRODUCTION OR CAUSING TO BE REPRODUCED THE WHOLE OR ANY PART OF THESE DRAWINGS WITHOUT THE PERMISSION OF THE DELTA OAKS GROUP, PLLC IS PROHIBITED.

SITE NAME:
 CK PIERCE

SITE ADDRESS:
 PIERCE DONANSBURG RD,
 GREENSBURG, KY 42743

SITE ID:
 KY0112

SHEET TITLE
 FOUNDATION
 SECTION DETAILS

SHEET NUMBER
 F-3

GENERAL NOTES:

1. ALL REFERENCES TO TOWER OWNER IN THESE DOCUMENTS SHALL BE CONSIDERED AS TOWERCO OR ITS DESIGNATED REPRESENTATIVE.
2. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE.
3. THE STRUCTURE IS DESIGNED IN ACCORDANCE WITH ANSII/TIA-222-G ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE AND 2018 KENTUCKY BUILDING CODE
4. UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
5. ALL PRODUCT MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERCEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
6. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE MODIFICATION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIE-DOWNS THAT MAY BE NECESSARY, SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
7. ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATION. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES AND PROCEDURES.
8. ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE AND LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
10. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS, WITH THE RESIDENT LEASING AGENT FOR APPROVAL.
11. PARTS LISTS AND PART NUMBERS LISTED ON THE CONSTRUCTION DRAWINGS ARE INTENDED TO AID THE CONTRACTOR/OWNER. CONTRACTOR/OWNER SHALL VERIFY PARTS AND QUANTITIES WITH THE MANUFACTURER PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
12. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNING AGENCIES.
13. ALL PERMITS THAT MUST BE OBTAINED ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
14. 24 HOURS BEFORE THE BEGINNING OF ANY CONSTRUCTION, THE CONTRACTOR MUST NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY OR CITY) ENGINEER. THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC.) ALL MATERIAL NOT SUITABLE FOR SUBGRADE IN ITS PRESENT STATE.
15. IF THE MATERIAL REMAINS UNSUITABLE AFTER REWORKING, THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACE IT WITH APPROVED MATERIAL. IF PAVING IS TO BE DONE, ALL SUBGRADES SHALL BE PROOFROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFT MATERIAL SHALL BE REWORKED OR REPLACED.
16. THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL PIPES, DITCHES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURE IN OPERABLE CONDITION.
17. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE YEAR FROM ACCEPTANCE DATE.
18. ALL DIMENSIONS SHALL BE VERIFIED WITH THE PLANS (LATEST REVISION) PRIOR TO COMMENCING CONSTRUCTION. THE OWNER SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHILE WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.

APPLICABLE CODES AND STANDARDS:

1. ANSII/TIA-222-G STRUCTURAL STANDARDS FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS.
2. 2015 INTERNATIONAL BUILDING CODE
3. 2018 KENTUCKY BUILDING CODE
4. ACI 318: AMERICAN CONCRETE INSTITUTE, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, 318-14.
5. CRSI: CONCRETE REINFORCING STEEL INSTITUTE, MANUAL OF STANDARD PRACTICE, LATEST EDITION.
6. AISC: AMERICAN INSTITUTE OF STEEL CONSTRUCTION, MANUAL OF STEEL CONSTRUCTION, 13TH EDITION.
7. AWS: AMERICAN WELDING SOCIETY D1.1, STRUCTURAL WELDING CODE, LATEST EDITION.

CONSTRUCTION INSPECTION NOTES:

1. FOUNDATION AND GEOTECHNICAL INSPECTIONS: A THIRD PARTY INSPECTION SHALL BE PERFORMED TO VERIFY:
 - A. PARAMETERS IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT FOR THE SITE
 - B. FOUNDATION DIMENSIONS
 - C. REINFORCING STEEL GRADE, SIZE, CONDITION, SUPPORT, PLACEMENT AND COVER
 - D. CONCRETE MIX DESIGN DOCUMENTATION MATCHES STRENGTH AND DURABILITY REQUIREMENTS
 - E. CONCRETE TESTS REQUIRED TO BE PERFORMED PRIOR TO PLACEMENT OF CONCRETE, INCLUDING SLUMP, TEMPERATURE, AIR CONTENT, AND TEST CYLINDERS
 - F. ANCHOR ROD AND/OR POST-INSTALLED REBAR DIMENSIONS AND PLACEMENT, SIZE, EMBEDMENT DEPTH, PROJECTION ABOVE CONCRETE, ORIENTATION, PATTERN, AND ALIGNMENT
 - G. CONDITION OF SUBGRADE IMMEDIATELY PRIOR TO CONCRETE PLACEMENT
 - H. PROPER CONCRETE PLACEMENT, AVOIDING SEGREGATION OF AGGREGATES, AND CURING
 - I. STRUCTURAL BACKFILL MATERIAL AND PLACEMENT, INCLUDING MAXIMUM LIFT THICKNESS, MOISTURE CONTENT AND DENSITY.

PREPARED FOR:



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PREPARED BY:



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MICHAEL LASSITER, SE, PE
KENTUCKY LICENSE NO. 24895
6/17/24

DRAWN BY: MEA

CHECKED BY: BILL

APPROVED: AML

PROJECT NO.: STR-2019-001

SUBMITTALS	
DATE	REV ISSUED BY
07/24	1 MEA

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SITE NAME:

CK PIERCE

SITE ADDRESS:

PIERCE DONANSBURG RD.
GREENSBURG, KY 42743

SITE ID:

KY0112

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-1



June 17, 2024

Stephen Rambeau
Vice President of Engineering
TowerCo
5000 Valleystone Drive
Cary, NC 27519

Subject Foundation Design Calculations

TowerCo Designation Site Number: KY0112
Site Name: CK Pierce
JIRA Ticket: ENG-39150

Engineering Firm Designation Delta Oaks Group Project: STR24-20796-08
Delta Oaks Group Site Number: 17-00297

Site Data Pierce Donansburg Rd., Greensburg, Green County, KY 42743
Latitude 37.1915° ±; Longitude: -85.6020° ±
Elevation: 788.4 ft±, Topography Category 1;
Exposure Category "C"; Structure Class/Risk Category II;
195-ft Self-Supporting Pole Structure

Dear Stephen Rambeau,

To your request, we present our foundation design calculations. Our work is in conformance ANSI/TIA-222-G and 2018 Kentucky Building Code (2015 IBC) for:

- $V_{ult} = 115\text{-mph}$ / $V_{asd} = 89\text{-mph}$ three-second gust basic wind speed
- 30-mph three-second gust basic wind speed with 0.75-in radial ice
- Earthquake design parameters and loading including:
 - $S_s = 0.204\text{ g}$, $S_1 = 0.111\text{ g}$
- Seismic Design Category B

Delta Oaks Group appreciates the opportunity to be of service to TowerCo. Please do not hesitate to contact us if you have any questions or require any additional information.

Sincerely,

Michael L. Lassiter, SE, PE
VP | Chief Structural Engineer
KY PE License 24895



Attachments:
Foundation design calculations



PAD AND PIER FOUNDATION DESIGN
SELF-SUPPORTING POLE STRUCTURE
 ANSUTIA-222-G-2-2009 & ACI 318-05

INPUT

- Reactions:


$M_u := 7877.2 \text{ kip-ft}$ = overturning moment at top of pier, factored
 $P_u := 83.7 \text{ kip}$ = axial load at top of pier
 $V_u := 48.3 \text{ kip}$ = shear load at top of pier

- Concrete:

$B_{\text{pad}} := 30.5 \text{ ft}$ = pad width (end length)
 $B_{\text{pier}} := 8.0 \text{ ft}$ = pier diameter
 $H = 6.0 \text{ in}$ = distance from top of pier to top of grade
 $Z_{\text{pad}} := 6.0 \text{ ft}$ = pad depth
 $t_{\text{pad}} := 2.25 \text{ ft}$ = pad thickness
 $\gamma_c := 150 \text{ pcf}$ = density of concrete
 $f_c := 4000 \text{ psi}$ = design compressive strength of concrete

- Rebar:

$f_y := 60 \text{ ksi}$ = specified minimum yield strength of rebar
 Tie := "#4"
 $s_{\text{tie}} := 6 \text{ in}$ = spacing of tie rebar in pier
 Vert := "#9"
 $n_{\text{vert}} := 48$ = number of vertical rebar in pier
 $L_{\text{vert_ext}} := 21 \text{ in}$ = length of vertical rebar extension in pad (assumed)
 $\text{cover}_{\text{top}} := 3.0 \text{ in}$ = cover from top edge of vertical to top of concrete in pier
 $\text{cover}_{\text{side}} := 3.0 \text{ in}$ = cover from outside edge of tie to edge of concrete in pier

Top_Horiz :=  $s_{h_top} := 6 \text{ in}$ = size / max spacing of horizontal rebar in top of pad

Bot_Horiz :=  $s_{h_bot} := 6 \text{ in}$ = size / max spacing of horizontal rebar in bottom of pad

$\text{cover}_{\text{to_pad}} := 3.0 \text{ in}$ = cover from outside edge of outside top/bottom horizontal to edge of concrete in pad
 $\text{cover}_{\text{end_pad}} := 3.0 \text{ in}$ = cover from outside end of horizontal to edge of concrete in pad
 $\text{clear}_{\text{template}} := 1.5 \text{ in}$ = clear distance from rebar cage and anchor bolt template

Pier_Shape :=  Square

$L_{\text{pier}} := Z_{\text{pad}} + H - t_{\text{pad}} = 4.25 \text{ ft}$

- Anchor Rods:

$d_{AR} := 2.25 \text{ in}$ = diameter of anchor rod
 $BC := 68.25 \text{ in}$ = bolt-circle diameter for anchor rods
 $d_{\text{template}} := 5.0 \text{ in}$ = anchor rod template width (assumed)
 $L_{AR} := 84.0 \text{ in}$ = total length of anchor rod
 $\text{proj}_{AR} := 12.0 \text{ in}$ = projection of anchor rod above top of concrete

- Pier Strength:

$\phi M_{n_pier} := 0.9 \cdot (119771.207 \text{ kip-in})$ = design flexural strength of pier (w/0.91.2x applied axial comp. rxn) [Pier.pcd]
 $0.9 P_u = 62.8 \text{ kip}$ $\phi M_{n_pier} = 8983 \text{ kip-ft}$

- Soil:

$\gamma_s := 110 \text{ pcf}$ = density of soil
 $q_{\text{all}} := \frac{5000}{2.13} \text{ psf} = 2347 \text{ psf}$ = net allowable bearing pressure
 $\psi_{\text{input}} := 0.3$ = coefficient of friction per GEO (-or- for clay; assumed per TBL 8.3; for sand = 0 if to be calcd)
 $\phi := 0 \text{ deg}$ = friction angle of soil (= 0 if ψ is input or if soil is clay)
 $GW := 100 \text{ ft}$ = ground water depth

- Constants:
 $\gamma_w := 62.4 \text{ pcf}$ = unit weight of water $\phi_s = 0.75$ = resistance factor for soil strength
 $E = 29000 \text{ ksi}$ = modulus of elasticity of rebar steel $\phi_v = 0.75$ = strength reduction factor for shear
 $\epsilon_{cu} = 0.003 \frac{\text{in}}{\text{in}}$ = max usable strain at extreme conc. comp. fiber $\phi_t = 0.90$ = strength reduction factor for tension

OUTPUT

GEOMETRY, DEAD LOADS & REBAR



SOIL RESISTANCE - SIDE

SOIL RESISTANCE - DIAGONAL

PAD STRUCTURE FORCES

PAD FLEXURAL STRENGTH - DESIGN

Pad Rebar

- Top:  $n_{h_top} = 61$
 $s_{h_top_req'd} = 22.24 \text{ in}$ = spacing required for input rebar size
 - Bottom:  $n_{h_bot} = 61$
 $s_{h_bot_req'd} = 11.66 \text{ in}$ = spacing required for input rebar size
 $\text{Bot_Horiz_Req'd} = \#7$ = size of rebar required for current #spacing

PAD FLEXURAL STRENGTH - ANALYSIS

PAD SHEAR STRENGTH

PIER STRUCTURE STRENGTH

PAD & PIER STRUCTURE DETAILING

Results Summary

- Soil

$$\text{resultSoil} = \begin{pmatrix} r_q \\ F_{OTM} \\ F_H \end{pmatrix}$$

$$\text{resultSoil} = \begin{pmatrix} 55 \\ 77 \\ 57 \end{pmatrix} \%$$

$$\text{resultSoil_About_Diag} = \begin{pmatrix} r_{q_diag} \\ F_{OTM_diag} \end{pmatrix}$$

$$\text{resultSoil_About_Diag} = \begin{pmatrix} 79 \\ 54 \end{pmatrix} \%$$

- Structure - Pad

$$\text{resultPad_Top_Str} = \begin{pmatrix} r_{f_top} \\ t_{v_top} \end{pmatrix}$$

$$\text{resultPad_Top_Str} = \begin{pmatrix} 30 \\ 23 \end{pmatrix} \%$$

resultAs_Max_Top = CheckAs_max_top

resultAs_Max_Top = "OK"

$$\text{resultPad_Bot_Str} = \begin{pmatrix} r_{f_bot} \\ t_{v_bot_br} \\ t_{v_bot_1way} \\ t_{v_bot_2way} \end{pmatrix}$$

$$\text{resultPad_Bot_Str} = \begin{pmatrix} 54 \\ 52 \\ 67 \\ 59 \end{pmatrix} \%$$

resultAs_Max_Bot = CheckAs_max_bot

resultAs_Max_Bot = "OK"

resultAs_min_pad = CheckAs_min_pad

resultAs_min_pad = "OK"

- Structure - Pier

$$\text{resultPier_Str_Strength} = \begin{pmatrix} r_{f_pier} \\ t_{v_pier} \end{pmatrix}$$

$$\text{resultPier_Str_Strength} = \begin{pmatrix} 90 \\ 5 \end{pmatrix} \%$$

resultAs_Min_Pier = rAs_pier

resultAs_Min_Pier = "OK"

- Detailing - Pad & Pier

resultSize = resultc_pad_MIN

resultSize = "OK"

$$\text{resultDetailing_AR_PullOut} = \begin{pmatrix} \text{resultId_AR} \\ \text{resultIdh_AR} \end{pmatrix} \text{ if ShearPlane_45 = "In Pier"}$$

$$\text{resultId_horiz_AR} \text{ if ShearPlane_45 = "In Pad"}$$

resultDetailing_AR_PullOut = "OK"

$$\text{resultHorz_Id} = \begin{pmatrix} \text{resultId_horz_top} \\ \text{resultId_horz_bot} \end{pmatrix}$$

$$\text{resultHorz_Id} = \begin{pmatrix} "OK" \\ "OK" \end{pmatrix}$$

$$\text{resultVert} = \begin{pmatrix} \text{resultLvert_ext} \\ \text{resultIdh} \end{pmatrix}$$

$$\text{resultVert} = \begin{pmatrix} "OK" \\ "OK" \end{pmatrix}$$

resultFlowable_Concrete = tconc_pier

resultFlowable_Concrete = "OK"

$$\text{resultAs_TS_spacing} = \begin{pmatrix} \text{CheckAs_TS_spacing_top} \\ \text{CheckAs_TS_spacing_bot} \end{pmatrix}$$

$$\text{resultAs_TS_spacing} = \begin{pmatrix} "OK" \\ "OK" \end{pmatrix}$$

Vol_conc = 85.4-yd³ Max_Utilization_Soil = 79.0% Max_Utilization_Structure = 90.0% DetailingChecks = "OK"

LFile for Windows(Beta), Version 2018-10.009
Analysis of Individual Piles and Drilled Shafts
Subjected to Lateral Loading Using the p-y Method
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Files Used for Analysis

Path to file locations:
\\2024 Projects\24-20796 CK Pierce II COW RELO KY0112\STR\Additional Calculations\SSPS Pad and Pier Foundation\L-File\

Name of input data file:
KY0112_Pier.lp10

Name of output report file:
KY0112_Pier.lp10

Name of plot output file:
KY0112_Pier.lp10

Name of runtime message file:
KY0112_Pier.lp10

Date and Time of Analysis

Date: June 17, 2024

Time: 17:50:36

Problem Title

24-20796 CK Pierce II COW RELO KY0112

M Lassiter

Program Options and Settings

Computational Options:
- Compute nonlinear bending properties of pile only
Engineering Units Used for Data Input and Computations:
- US Customary System Units (pounds, feet, inches)

Output Options:
- Output files use decimal points to denote decimal symbols.
- Print using wide report formats

Pile Structural Properties and Geometry

Number of pile sections defined	=	1
Total length of pile	=	4.250 ft
Depth of ground surface below top of pile	=	0.0000 ft

Pile diameters used for p-y curve computations are defined using 2 points.

p-y curves are computed using pile diameter values interpolated with depth over the length of the pile. A summary of values of pile diameter vs. depth follows.

Point No.	Depth Below Pile Head feet	Pile Diameter inches
1	0.000	96.0000
2	4.250	96.0000

Input Structural Properties for Pile Sections:

Pile Section No. 1:

Section 1 is a round drilled shaft, bored pile, or CIDH pile
 Length of section = 4.250000 ft
 Shaft Diameter = 96.000000 in
 Shear capacity of section = 0.0000 lbs

 Computations of Nominal Moment Capacity and Nonlinear Bending Stiffness

Axial thrust force values were determined from input values

Number of Pile Sections Analyzed = 1

Pile Section No. 1:

Dimensions and Properties of Drilled Shaft (Bored Pile):

Length of Section = 4.250000 ft
 Shaft Diameter = 96.000000 in
 Concrete Cover Thickness (to edge of long. rebar) = 3.500000 in
 Number of Reinforcing Bars = 48 bars
 Yield Stress of Reinforcing Bars = 60000. psi
 Modulus of Elasticity of Reinforcing Bars = 29000000. psi

Gross Area of Shaft = 7238. sq. in.
 Total Area of Reinforcing Steel = 48.000000 sq. in.
 Area Ratio of Steel Reinforcement = 0.66 percent
 Edge-to-Edge Bar Spacing = 4.619104 in
 Maximum Concrete Aggregate Size = 0.750000 in
 Ratio of Bar Spacing to Aggregate Size = 6.16
 Offset of Center of Rebar Cage from Center of Pile = 0.0000 in

Axial Structural Capacities:

Nom. Axial Structural Capacity = $0.85 F_c A_c + F_y A_s$ = 27326.780 kips
 Tensile Load For Cracking of Concrete = -3151.081 kips
 Nominal Axial Tensile Capacity = -2880.000 kips

Reinforcing Bar Dimensions and Positions Used in Computations:

Bar Number	Bar Diam. inches	Bar Area sq. in.	X inches	Y inches
1	1.128000	1.000000	43.936000	0.000000
2	1.128000	1.000000	43.560121	5.734799
3	1.128000	1.000000	42.438917	11.371474
4	1.128000	1.000000	40.591571	16.813579
5	1.128000	1.000000	38.049692	21.968000
6	1.128000	1.000000	34.856772	26.746542
7	1.128000	1.000000	31.067444	31.067444
8	1.128000	1.000000	26.746542	34.856772
9	1.128000	1.000000	21.968000	38.049692
10	1.128000	1.000000	16.813579	40.591571
11	1.128000	1.000000	11.371474	42.438917
12	1.128000	1.000000	5.734799	43.560121
13	1.128000	1.000000	0.000000	43.936000
14	1.128000	1.000000	-5.734799	43.560121
15	1.128000	1.000000	-11.371474	42.438917
16	1.128000	1.000000	-16.813579	40.591571
17	1.128000	1.000000	-21.968000	38.049692
18	1.128000	1.000000	-26.746542	34.856772
19	1.128000	1.000000	-31.067444	31.067444
20	1.128000	1.000000	-34.856772	26.746542
21	1.128000	1.000000	-38.049692	21.968000
22	1.128000	1.000000	-40.591571	16.813579
23	1.128000	1.000000	-42.438917	11.371474
24	1.128000	1.000000	-43.560121	5.734799
25	1.128000	1.000000	-43.936000	0.000000
26	1.128000	1.000000	-43.560121	-5.734799

27	1.128000	1.000000	-42.438917	-11.371474
28	1.128000	1.000000	-40.591571	-16.813579
29	1.128000	1.000000	-38.049692	-21.968000
30	1.128000	1.000000	-34.856772	-26.746542
31	1.128000	1.000000	-31.067444	-31.067444
32	1.128000	1.000000	-26.746542	-34.856772
33	1.128000	1.000000	-21.968000	-38.049692
34	1.128000	1.000000	-16.813579	-40.591571
35	1.128000	1.000000	-11.371474	-42.438917
36	1.128000	1.000000	-5.734799	-43.560121
37	1.128000	1.000000	0.000000	-43.936000
38	1.128000	1.000000	5.734799	-43.560121
39	1.128000	1.000000	11.371474	-42.438917
40	1.128000	1.000000	16.813579	-40.591571
41	1.128000	1.000000	21.968000	-38.049692
42	1.128000	1.000000	26.746542	-34.856772
43	1.128000	1.000000	31.067444	-31.067444
44	1.128000	1.000000	34.856772	-26.746542
45	1.128000	1.000000	38.049692	-21.968000
46	1.128000	1.000000	40.591571	-16.813579
47	1.128000	1.000000	42.438917	-11.371474
48	1.128000	1.000000	43.560121	-5.734799

NOTE: The positions of the above rebars were computed by LPile

Minimum spacing between any two bars not equal to zero = 4.619 inches between bars 40 and 41.

Ratio of bar spacing to maximum aggregate size = 8.16

Concrete Properties:

Compressive Strength of Concrete	=	4000 psi
Modulus of Elasticity of Concrete	=	3604997 psi
Modulus of Rupture of Concrete	=	-474.341649 psi
Compression Strain at Peak Stress	=	0.001886
Tensile Strain at Fracture of Concrete	=	-0.0001154
Maximum Coarse Aggregate Size	=	0.750000 in

Input Axial Thrust Forces:

Number of Axial Thrust Force Values Determined from Input Data = 1

Number	Axial Thrust Force kips
1	62.800

Definitions of Run Messages and Notes:

- C = concrete in section has cracked in tension.
- Y = stress in reinforcing steel has reached yield stress.
- T = ACI 318 criteria for tension-controlled section met, tensile strain in reinforcement exceeds 0.005 while simultaneously compressive strain in concrete more than 0.003. See ACI 318, Section 10.3.4.
- Z = depth of tensile zone in concrete section is less than 10 percent of section depth.

Bending Stiffness (EI) = Computed Bending Moment / Curvature.
Position of neutral axis is measured from edge of compression side of pile.
Compressive stresses and strains are positive in sign.
Tensile stresses and strains are negative in sign.

Axial Thrust Force = 62.800 kips

Bending Curvature rad/in.	Bending Moment in-kip	Bending Stiffness kip-in ²	Depth to N Axis in	Max Comp Strain in/in	Max Tens Strain in/in	Max Conc Stress ksi	Max Steel Stress ksi	Run Msg
3.12500E-07	5870.	1.87826E+10	54.3227968	0.00001698	-0.00001302	0.0718432	0.4879503	
6.25000E-07	11710.	1.87365E+10	51.1716028	0.00003198	-0.00002802	0.1332414	0.9187853	
9.37500E-07	17522.	1.86897E+10	50.1212688	0.00004699	-0.00004301	0.1949437	1.3496220	
0.0000125	23303.	1.86427E+10	49.5961389	0.00006200	-0.00005800	0.2561499	1.7904600	
0.0000156	29056.	1.85957E+10	49.2810897	0.00007700	-0.00007300	0.3168600	2.2112994	
0.0000188	34779.	1.85486E+10	49.0710801	0.00009201	-0.00008799	0.3770741	2.6421400	
0.0000219	40472.	1.85015E+10	48.9210931	0.00010700	-0.00010300	0.4367920	3.0729018	
0.0000250	40472.	1.61888E+10	24.1128598	0.00006020	-0.00011797	0.2466533	-5.1770177	C
0.0000281	40472.	1.43901E+10	23.7369399	0.00006676	-0.0002032	0.2726057	-5.8548058	C
0.0000313	40472.	1.29511E+10	23.4332994	0.00007323	-0.0002268	0.2984311	-6.5328572	C
0.0000344	40472.	1.17737E+10	23.1772750	0.00007967	-0.0002503	0.3240607	-7.2116654	C
0.0000375	40472.	1.07925E+10	22.9648810	0.00008612	-0.0002739	0.3496157	-7.8903692	C
0.0000406	40472.	9962350567.	22.7860514	0.00009257	-0.0002974	0.3750962	-8.5689683	C
0.0000438	40472.	9250754098.	22.6335963	0.00009902	-0.0003210	0.4005021	-9.2474625	C
0.0000469	40472.	8634037158.	22.4993150	0.0001055	-0.0003445	0.4257781	-9.9262494	C
0.0000500	40472.	8094409835.	22.3793092	0.0001119	-0.0003681	0.4509149	-10.6054002	C
0.0000531	40472.	7618260000.	22.2741306	0.0001183	-0.0003917	0.4759700	-11.2844417	C

Table with columns: ID (e.g., 0.0000563), X1 (e.g., 40472), X2 (e.g., 7195030965), X3 (e.g., 22.1813181), Y1 (e.g., 0.0001248), Y2 (e.g., -0.0004152), Y3 (e.g., 0.5009673), and Y4 (e.g., -11.9633738 C).

Table with columns: ID (e.g., 0.00002844), X1 (e.g., 81674), X2 (e.g., 2872066831), X3 (e.g., 21.2878667), Y1 (e.g., 0.0006054), Y2 (e.g., -0.0021246), Y3 (e.g., 2.1159708), and Y4 (e.g., -60.0000000 CY).

0.0001197	116545.	937347883.	15.6150104	0.0018689	-0.0096211	3.9937101	-60.0000000	CY
0.0001222	116721.	955258246.	15.5359559	0.0018983	-0.0098317	3.9975565	-60.0000000	CY
0.0001247	116894.	937492724.	15.4608152	0.0019278	-0.0100422	3.9996214	-60.0000000	CY
0.0001272	117063.	920399170.	15.3893679	0.0019573	-0.0102527	3.9968603	-60.0000000	CY
0.0001297	117231.	903946038.	15.3216523	0.0019870	-0.0104630	3.9916864	-60.0000000	CY
0.0001322	117355.	887793028.	15.2503220	0.0020159	-0.0106741	3.9958552	-60.0000000	CY
0.0001347	117468.	872152646.	15.1805985	0.0020446	-0.0108854	3.9985765	-60.0000000	CY
0.0001372	117579.	857070597.	15.1140310	0.0020735	-0.0110965	3.9998792	-60.0000000	CY
0.0001522	118185.	776576647.	14.7573873	0.0022459	-0.0123641	3.9999644	60.0000000	CY
0.0001672	118717.	710080356.	14.4569573	0.0024170	-0.0136330	3.9989197	60.0000000	CY
0.0001822	119134.	653906838.	14.2051162	0.0025880	-0.0149020	3.9918150	60.0000000	CY
0.0001972	119431.	605673974.	13.9842242	0.0027575	-0.0161725	3.9939198	60.0000000	CY
0.0002122	119679.	564022561.	13.7831706	0.0029246	-0.0174454	3.9924399	60.0000000	CY
0.0002272	119886.	527694467.	13.6145006	0.0030930	-0.0187170	3.9977353	60.0000000	CYT
0.0002422	120046.	495673224.	13.4900966	0.0032671	-0.0199829	3.9808870	60.0000000	CYT
0.0002572	120178.	467276359.	13.3826379	0.0034418	-0.0212482	3.9972705	60.0000000	CYT
0.0002722	120235.	441736605.	13.2940423	0.0036185	-0.0225115	3.9894182	60.0000000	CYT
0.0002872	120273.	418794948.	13.2169279	0.0037957	-0.0237743	3.9718338	60.0000000	CYT
0.0003022	120273.	398006781.	13.2811124	0.0040134	-0.0249966	3.9973408	60.0000000	CYT

Summary of Results for Nominal (Unfactored) Moment Capacity for Section 1

Moment values interpolated at maximum compressive strain = 0.003
or maximum developed moment if pile fails at smaller strains.

Load No.	Axial Thrust kips	Nominal Mom. Cap. in-kip	Max. Comp. Strain
1	62.000	119771.207	0.00300000

Note that the values of moment capacity in the table above are not factored by a strength reduction factor (phi-factor).

In ACI 318, the value of the strength reduction factor depends on whether the transverse reinforcing steel bars are tied hoops (0.65) or spirals (0.70).

The above values should be multiplied by the appropriate strength reduction factor to compute ultimate moment capacity according to ACI 318, Section 9.3.2.2 or the value required by the design standard being followed.

The following table presents factored moment capacities and corresponding bending stiffnesses computed for common resistance factor values used for reinforced concrete sections.

Axial Load No.	Resist. Factor for Moment	Nominal Moment Cap in-kips	Ult. (Fac) Ax. Thrust kips	Ult. (Fac) Moment Cap in-kips	Bend. Stiff. at Ult Mom kip-in^2
1	0.65	119771.	40.820000	77851.	2.8779E+09
1	0.70	119771.	43.960000	83840.	2.8675E+09
1	0.75	119771.	47.100000	89828.	2.7796E+09

The analysis ended normally.

Pier and Pad Foundation

BU #:	KY0112
Site Name:	CK Pierce II COW RELO
App. Number:	24-20796

TIA-222 Revision:	H
Tower Type:	Monopole

Top & Bot. Pad Rein. Different?:	<input type="checkbox"/>
Block Foundation?:	<input type="checkbox"/>
Rectangular Pad?:	<input type="checkbox"/>

Superstructure Analysis Reactions		
Compression, P_{comp} :	83.7	klps
Base Shear, V_{u_comp} :	48.3	klps
Moment, M_u :	7877.2	ft-klps
Tower Height, H :	195	ft
BP Dist. Above Fdn, b_{plat} :	4.5	in

Foundation Analysis Checks				
	Capacity	Demand	Rating	Check
<i>Lateral (Sliding) (klps)</i>	157.70	48.30	30.6%	Pass
<i>Bearing Pressure (ksf)</i>	4.25	3.61	85.0%	Pass
<i>Overturing (kip*ft)</i>	8747.52	8209.26	93.8%	Pass
<i>Pier Flexure (Comp.) (kip*ft)</i>	8982.53	8082.48	90.0%	Pass
<i>Pier Compression (kip)</i>	31992.97	122.15	0.4%	Pass
<i>Pad Flexure (kip*ft)</i>	5719.87	4102.97	71.7%	Pass
<i>Pad Shear - 1-way (klps)</i>	774.57	498.27	64.3%	Pass
<i>Pad Shear - 2-way (Comp) (ksi)</i>	0.190	0.000	0.0%	Pass
<i>Flexural 2-way (Comp) (kip*ft)</i>	5548.49	4849.49	87.4%	Pass

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, d_{pier} :	8	ft
Ext. Above Grade, E :	0.5	ft
Pier Rebar Size, S_c :	9	
Pier Rebar Quantity, m_c :	48	
Pier Tie/Spiral Size, S_t :	4	
Pier Tie/Spiral Quantity, m_t :	9	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, $c_{c_{pier}}$:	3	in

Structural Rating:	90.0%
Soil Rating:	93.8%

Pad Properties		
Depth, D :	6	ft
Pad Width, W_1 :	30.5	ft
Pad Thickness, T :	2.25	ft
Pad Rebar Size (Bottom dir. 2), S_{p2} :	9	
Pad Rebar Quantity (Bottom dir. 2), m_{p2} :	61	
Pad Clear Cover, $c_{c_{pad}}$:	3	in

Material Properties		
Rebar Grade, F_y :	60	ksi
Concrete Compressive Strength, F'_c :	4	ksi
Dry Concrete Density, δ_c :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	110	pcf
Ultimate Net Bearing, Q_{net} :	5.000	ksf
Cohesion, C_u :		ksf
Friction Angle, ϕ :		degrees
SPT Blow Count, N_{blows} :		
Base Friction, μ :	0.3	
Neglected Depth, N :	6.00	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	N/A	ft

<--Toggle between Gross and Net

Pier and Pad Foundation

BU #: KY0112
Site Name: CK Pierce II COW RELO
App. Number: 24-20796

TIA-222 Revision: H
Tower Type: Monopole

Top & Bot. Pad Rein. Different?:
Block Foundation?:
Rectangular Pad?:

Superstructure Analysis Reactions		
Compression, P_{comp} :	62.9	kips
Base Shear, V_u :	48.3	kips
Moment, M_u :	7664.7	ft-kips
Tower Height, H:	195	ft
BP Dist. Above Fdn, bp_{dist} :	4.5	in

Foundation Analysis Checks				
	Capacity	Demand	Rating	Check
<i>Lateral (Sliding) (kips)</i>	154.19	48.30	31.3%	Pass
<i>Bearing Pressure (ksf)</i>	4.25	3.50	82.4%	Pass
<i>Overturing (kip*ft)</i>	8622.50	7996.76	92.7%	Pass
<i>Pier Flexure (Comp.) (kip*ft)</i>	8927.30	7869.98	88.2%	Pass
<i>Pier Compression (kip)</i>	31992.97	101.35	0.3%	Pass
<i>Pad Flexure (kip*ft)</i>	5719.87	3952.87	69.1%	Pass
<i>Pad Shear - 1-way (kips)</i>	774.57	481.10	62.1%	Pass
<i>Pad Shear - 2-way (Comp) (ksi)</i>	0.190	0.000	0.0%	Pass
<i>Flexural 2-way (Comp) (kip*ft)</i>	5548.49	4721.99	85.1%	Pass

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, d_{pier} :	8	ft
Ext. Above Grade, E:	0.5	ft
Pier Rebar Size, S_c :	9	
Pier Rebar Quantity, mc :	48	
Pier Tie/Spiral Size, St :	4	
Pier Tie/Spiral Quantity, mt :	9	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier} :	3	in

Structural Rating:	88.2%
Soil Rating:	92.7%

Pad Properties		
Depth, D:	6	ft
Pad Width, W_1 :	30.5	ft
Pad Thickness, T:	2.25	ft
Pad Rebar Size (Bottom dir. 2), Sp_2 :	9	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	61	
Pad Clear Cover, cc_{pad} :	3	in

Material Properties		
Rebar Grade, F_y :	60	ksi
Concrete Compressive Strength, F'_c :	4	ksi
Dry Concrete Density, δ_c :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	110	pcf
Ultimate Net Bearing, Q_{net} :	5.000	ksf
Cohesion, C_u :		ksf
Friction Angle, ϕ :		degrees
SPT Blow Count, N_{blows} :		
Base Friction, μ :	0.3	
Neglected Depth, N:	6.00	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	N/A	ft

←Toggle between Gross and Net

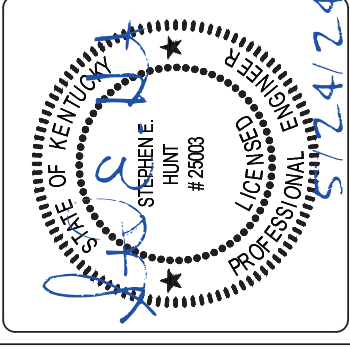


1961 NORTHPOINT BLVD.
SUITE 130
HIYSON, TN 37343
PH : 423-843-9600
FAX : 423-843-9509

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

DRAWN BY	TDD
CHECKED BY	SEH

#	DATE	BY	DESCRIPTION
2	05/24/24	MJB	TOWER CHANGE
1	05/07/24	MJB	SITE RELOCATION
0	01/29/24	PLS	ZONING ISSUE
A	12/06/23	JAE	ZONING REVIEW



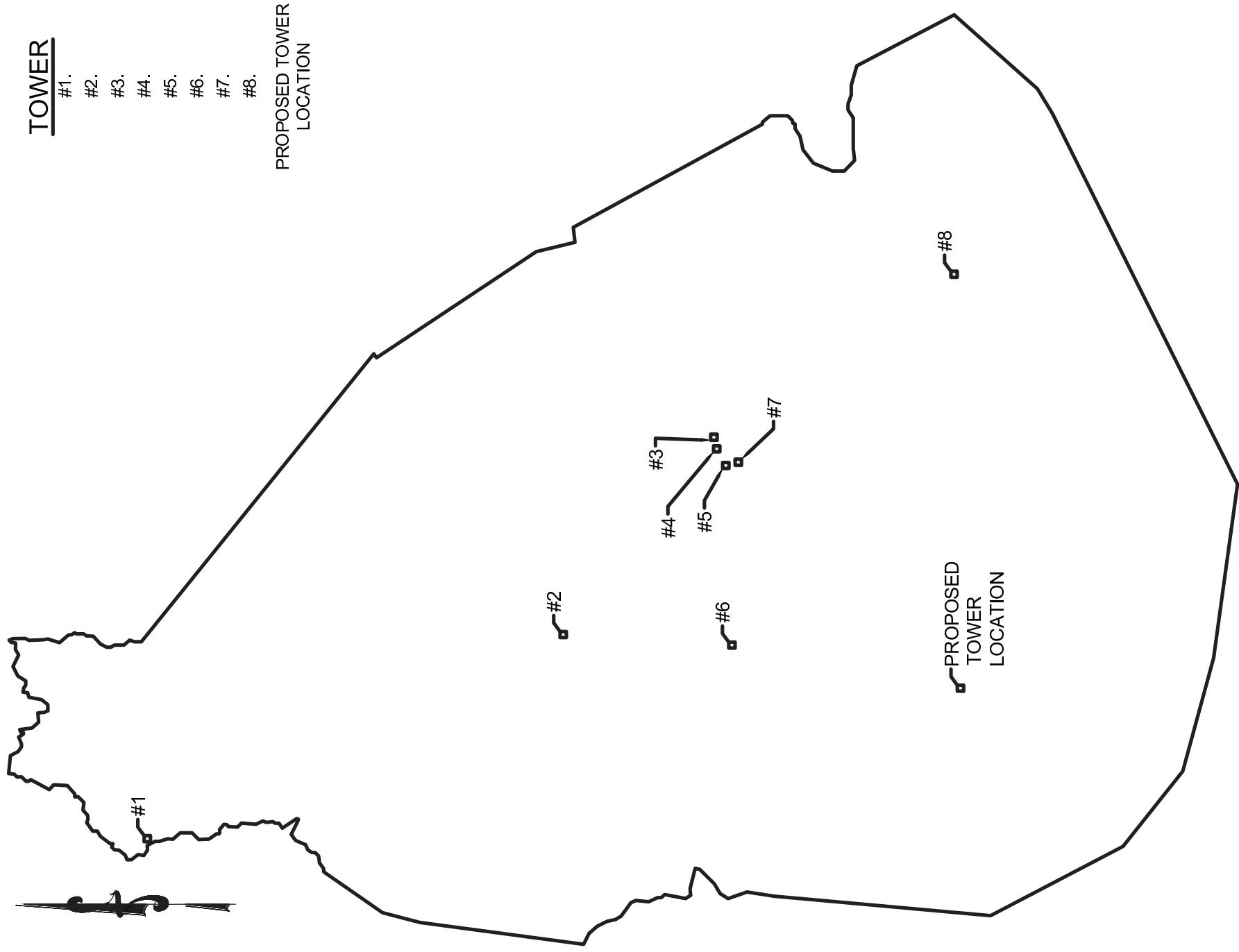
FUZE ID :	617291389
SITE NAME :	CK PIERCE II
SITE # / LOCATION CODE :	ky0112

SITE ADDRESS :	TBD PIERCE-DONANSBURG RD GREENSBURG, KY 42743
SITE TYPE :	RAWLAND

SHEET TITLE :	COUNTY TOWER MAP
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DRAWING # :	Z1	REVISION :	2
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TOWER #	ASR	LATITUDE	LONGITUDE	TOWER OWNER
#1.	1262106	37°25'41.03"N	85°39'31.79"W	CELLCO PARTNERSHIP
#2.	1044278	37°18'20.10"N	85°35'0.60"W	TENNESSEE GAS COMPANY LLC
#3.	1043975	37°15'36.00"N	85°30'42.00"W	ACCESS CABLE TELEVISION, INC
#4.	1063300	37°15'34.00"N	85°30'57.00"W	FIRST CORBIN REALTY, LLC
#5.	1002955	37°15'22.00"N	85°31'12.00"W	GLOBAL TOWER, LLC
#6.	1266730	37°15'19.80"N	85°35'11.90"W	CELLCO PARTNERSHIP
#7.	1044502	37°15'16.00"N	85°31'10.00"W	EAST KENTUCKY POWER COOPERATIVE, INC
#8.	1258491	37°11'24.86"N	85°26'58.58"W	CELLCO PARTNERSHIP
PROPOSED TOWER LOCATION	TBD	37°11'27.81"N	85°36'06.95"W	TOWERCO



GREEN COUNTY



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: TOWER-000849782-24	Sponsor: TowerCo 2013 LLC
----------------------------------	---------------------------

Details for Case : KY0112 CK Pierce II COW RELO

[Show Project Summary](#)

Case Status ASN: 2024-ASO-6093-OE Status: Accepted Public Comments: None		Date Accepted: 03/19/2024 Date Determined: Letters: None Documents: 03/19/2024 CK_Pierce_II_COW_... Project Documents: None																																																																																																																																																																																																				
Construction / Alteration Information Notice Of: Construction Duration: Permanent if Temporary : Months: Days: Work Schedule - Start: 05/01/2024 Work Schedule - End: 03/30/2025 *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. State Filing: Filed with State		Structure Summary Structure Type: POLE Monopole Structure Name: KY0112 CK Pierce II COW RELO FDC NOTAM: NOTAM Number: FCC Number: Prior ASN: 2023-ASO-30070-OE																																																																																																																																																																																																				
Structure Details Latitude: 37° 11' 29.30" N Longitude: 85° 36' 7.17" W Horizontal Datum: NAD83 Site Elevation (SE): 788 (nearest foot) PASSED Structure Height (AGL): 199 (nearest foot) Current Height (AGL): (nearest foot) * For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal Minimum Operating Height (AGL): (nearest foot) * 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. Requested Marking/Lighting: None Other : Recommended Marking/Lighting: Current Marking/Lighting: N/A Proposed Structure Other : <input type="text"/> Nearest City: Greensburg Nearest State: Kentucky Description of Location: near 313 Pierce Donansburg Rd On the Project Summary page upload any certified survey. Description of Proposal: Proposed site is a 199 ft AGL Monopole tower, including all antennas and lightning rod.		Proposed Frequency Bands <table border="1"> <thead> <tr> <th>Low Freq</th> <th>High Freq</th> <th>Freq Unit</th> <th>ERP</th> <th>ERP Unit</th> </tr> </thead> <tbody> <tr><td>6</td><td>7</td><td>GHz</td><td>55</td><td>dBW</td></tr> <tr><td>6</td><td>7</td><td>GHz</td><td>42</td><td>dBW</td></tr> <tr><td>10</td><td>11.7</td><td>GHz</td><td>55</td><td>dBW</td></tr> <tr><td>10</td><td>11.7</td><td>GHz</td><td>42</td><td>dBW</td></tr> <tr><td>17.7</td><td>19.7</td><td>GHz</td><td>55</td><td>dBW</td></tr> <tr><td>17.7</td><td>19.7</td><td>GHz</td><td>42</td><td>dBW</td></tr> <tr><td>21.2</td><td>23.6</td><td>GHz</td><td>55</td><td>dBW</td></tr> <tr><td>21.2</td><td>23.6</td><td>GHz</td><td>42</td><td>dBW</td></tr> <tr><td>614</td><td>698</td><td>MHz</td><td>1000</td><td>W</td></tr> <tr><td>614</td><td>698</td><td>MHz</td><td>2000</td><td>W</td></tr> <tr><td>698</td><td>806</td><td>MHz</td><td>1000</td><td>W</td></tr> <tr><td>806</td><td>901</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>806</td><td>824</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>824</td><td>849</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>851</td><td>866</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>869</td><td>894</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>896</td><td>901</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>901</td><td>902</td><td>MHz</td><td>7</td><td>W</td></tr> <tr><td>929</td><td>932</td><td>MHz</td><td>3500</td><td>W</td></tr> <tr><td>930</td><td>931</td><td>MHz</td><td>3500</td><td>W</td></tr> <tr><td>931</td><td>932</td><td>MHz</td><td>3500</td><td>W</td></tr> <tr><td>932</td><td>932.5</td><td>MHz</td><td>17</td><td>dBW</td></tr> <tr><td>935</td><td>940</td><td>MHz</td><td>1000</td><td>W</td></tr> <tr><td>940</td><td>941</td><td>MHz</td><td>3500</td><td>W</td></tr> <tr><td>1670</td><td>1675</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>1710</td><td>1755</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>1850</td><td>1910</td><td>MHz</td><td>1640</td><td>W</td></tr> <tr><td>1850</td><td>1990</td><td>MHz</td><td>1640</td><td>W</td></tr> <tr><td>1930</td><td>1990</td><td>MHz</td><td>1640</td><td>W</td></tr> <tr><td>1990</td><td>2025</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>2110</td><td>2200</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>2305</td><td>2360</td><td>MHz</td><td>2000</td><td>W</td></tr> <tr><td>2305</td><td>2310</td><td>MHz</td><td>2000</td><td>W</td></tr> <tr><td>2345</td><td>2360</td><td>MHz</td><td>2000</td><td>W</td></tr> <tr><td>2496</td><td>2690</td><td>MHz</td><td>500</td><td>W</td></tr> <tr> <th>Low Freq</th> <th>High Freq</th> <th>Freq Unit</th> <th>ERP</th> <th>ERP Unit</th> </tr> <tr><td>3700</td><td>3980</td><td>MHz</td><td>3280</td><td>W</td></tr> <tr><td>3700</td><td>3980</td><td>MHz</td><td>1640</td><td>W</td></tr> </tbody> </table>		Low Freq	High Freq	Freq Unit	ERP	ERP Unit	6	7	GHz	55	dBW	6	7	GHz	42	dBW	10	11.7	GHz	55	dBW	10	11.7	GHz	42	dBW	17.7	19.7	GHz	55	dBW	17.7	19.7	GHz	42	dBW	21.2	23.6	GHz	55	dBW	21.2	23.6	GHz	42	dBW	614	698	MHz	1000	W	614	698	MHz	2000	W	698	806	MHz	1000	W	806	901	MHz	500	W	806	824	MHz	500	W	824	849	MHz	500	W	851	866	MHz	500	W	869	894	MHz	500	W	896	901	MHz	500	W	901	902	MHz	7	W	929	932	MHz	3500	W	930	931	MHz	3500	W	931	932	MHz	3500	W	932	932.5	MHz	17	dBW	935	940	MHz	1000	W	940	941	MHz	3500	W	1670	1675	MHz	500	W	1710	1755	MHz	500	W	1850	1910	MHz	1640	W	1850	1990	MHz	1640	W	1930	1990	MHz	1640	W	1990	2025	MHz	500	W	2110	2200	MHz	500	W	2305	2360	MHz	2000	W	2305	2310	MHz	2000	W	2345	2360	MHz	2000	W	2496	2690	MHz	500	W	Low Freq	High Freq	Freq Unit	ERP	ERP Unit	3700	3980	MHz	3280	W	3700	3980	MHz	1640	W
Low Freq	High Freq	Freq Unit	ERP	ERP Unit																																																																																																																																																																																																		
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[Previous](#)
[Back to Search Result](#)
[Next →](#)

From: Airport Zoning Commission <AirportZoning@ky.gov>
Sent: Tuesday, April 23, 2024 11:50 AM
To: ron.lageson@wacorp.net; Airport Zoning Commission <AirportZoning@ky.gov>
Subject: RE: Proposed 199 ft tower near Greensburg, KY - I96 - Columbia-Adair County Airport

Ron,

Thank you for checking on this location and height.
The location and height are not in KAZC's jurisdiction, and no KAZC Permit is required.
This application is not required to be approved by the KY Airport Zoning Commission.

Aeronautical Study Result

The structure is not in KAZC's jurisdiction and does not require a permit

Structure's Coordinates: 37°11'29.3"N, 85°36'7.17"W

Structure's Height : 199 ft.

User-submitted ground elevation is 788 ft.

DEM's ground elevation is 788.62 ft (KYAPED 2-FT DEM Phase 2).

I will send the Temporary Permit to the Columbia-Adair County Airport, I96, for the 215 ft AGL crane approximately 30 days prior to the work schedule start date.

Contact us if you have any questions.

Regards,



Anthony Adams
KY AIRPORT ZONING
COMMISSION, ADMINISTRATOR
Department of Aviation
90 Airport Road, Bldg 400
Frankfort, Kentucky 40601
(502) 564-0151 office
(502) 330-4022 mobile
[Airport Zoning Commission | KYTC](#)

GEOTECHNICAL REPORT OF SUBSURFACE INVESTIGATION

May 24, 2024

**PROPOSED MONOPOLE TOWER
CK PIERCE II COW RELO
(KY0112)**

**Pierce Donansburg Road
Greensburg, KY 42743**

37.1914, -85.6019

Prepared for:



Prepared by:



Matt Nesbit, E.I.
Geotechnical Engineer II



F. Geoff Bost, P.E.
Registered KY 28817

Reviewed by: Jorge Varela, P.E.
Senior Geotechnical Engineer

**Engineered Tower Solutions, PLLC - 3227 Wellington Court - Raleigh, NC 27615
(919) 782-2710**

Project Summary

Item	Description
Project Description	A geotechnical exploration and report have been prepared for this proposed 195-foot monopole tower with 4-foot lighting arrestor. Included in this report are the results of the field exploration and the recommendations for the design of the foundation system.
Site Coordinates	Latitude: 37.1914 Longitude: -85.6019
Site Condition	The proposed tower will be installed at Pierce Donansburg Road in Greensburg, Kentucky
Frost Depth	Based on the TIA Standard (TIA-222-H), dated October 2017, the recommended design frost penetration depth to be used for Green County, KY is 20 inches (1.8 ft).
Groundwater	Groundwater was not encountered at the time of drilling. Please note that subsurface water levels will fluctuate with seasonal and cyclical temperatures and precipitation and can be higher or lower at other times.
Proposed Foundation	We assume the proposed foundation will be supported with either pad and pier or drilled shaft (caisson).

Field Exploration

Item	Description
Date	May 20 th , 2024
Number of Borings	1
Location	Latitude: 37.1914 Longitude: -85.6019
Equipment Used	Mobile B-51
Advancement Method	Hollow Stem Auger (HSA)
Sampling Method	ASTM D-1586 with 1.5 I.D. Split Spoon Sampler

Laboratory Classification and Testing

Standard	Description
ASTM D2488	Standard Practice for Description and Identification of Soils
ASTM G57	Standard Test Method for Measurement of Soil Resistivity Using the Wenner Four-Electrode Method

Subsurface Profile

Based on the results of our borings, the soils beneath the surface can be summarized in the table below:

Material Encountered	Approximate Depth to Bottom of Stratum	Description	Consistency / Density
SAND	2	Brown, moist clayey sand	Very Loose
CLAY	28	Tan and gray, moist sandy lean clay	Very Soft to Very Stiff
LIMESTONE	38	Moderately weathered and fractured limestone	--

Detailed descriptions of conditions encountered at each exploration point are indicated on the individual logs in the Appendix B. Stratification boundaries on the boring logs represent the approximate location of changes in soil types; in-situ, the transition between materials may be gradual.

Groundwater was not encountered at the time of drilling. Groundwater levels will fluctuate with seasonal and climatic changes and may be different at other times.

Earthwork Recommendations – Equipment Mat

Earthwork is anticipated to include excavations and fill placement. The following sections provide recommendations for use in the preparation of the equipment mat foundation area and access drive.

Site Preparation

The subgrade should be evaluated under the direction of the Geotechnical Engineer. Areas where soft material are present or excessively wet or dry material should either be removed, or moisture conditioned and recompacted.

Fill Material Types

Soil Type	USCS Classification	Acceptable Parameters (for Structural Fill)
Imported Low- to Moderate- Plasticity Soil ²	CL, ML, SC or SM	All locations and elevations
Sand / Gravel with greater than 12% fines	GW/GP, SW/SP	Crushed stone base course may be used for the access roadway or beneath shallow foundations as a replacement material for overexcavated soils.
Near-Surface On-site soils ²	SC, CL	On-site soils generally appear suitable for use as fill when they contain at least 12% fines (clay and/or silt) and are compacted at an appropriate moisture content.

1. Controlled, compacted fill should consist of approved materials that are free of organic matter and debris. A sample of each material type should be submitted to the geotechnical engineer for evaluation.
2. Low- to moderate-plasticity cohesive soil or granular soil having at least 12% fines

Fill Compaction Requirements

Item	Structural Fill	General Fill
Maximum Lift Thickness	8 inches or less in loose thickness when heavy, self-propelled compaction equipment is used	Same as Structural fill
Minimum Compaction Requirements ^{1,2}	98% of max. below foundations and within 1 foot of finished pavement subgrade 95% of max. above foundations, below floor slabs, and more than 1 foot below finished pavement subgrade	92% of max.
Water Content Range ¹	Low plasticity cohesive: -2% to +3% of optimum High plasticity cohesive: 0 to +4% of optimum Granular: -3% to +3% of optimum	As required to achieve min. compaction requirements

1. Maximum density and optimum water content as determined by the standard Proctor test (ASTM D 698).
2. High plasticity cohesive fill should not be compacted to more than 100% of standard Proctor maximum dry density.

Excavations

Groundwater was not encountered at the time of drilling. Although not expected, if encountered in deep trench excavations during construction, groundwater or perched groundwater will require dewatering until backfilling operations are complete.

All excavations that may be required should, at a minimum, comply with applicable local, state and federal safety regulations, including the current OSHA Excavation and Trench Safety Standards to provide stability and safe working conditions.

Slopes

For permanent slopes in unreinforced compacted fill areas, we recommended maximum configurations of 3:1 (Horizontal: Vertical) for the cohesive soils (clay) found at the site.

If steeper slopes are required for site development, stability analyses should be completed to design the grading plan. The face of all slopes should be compacted to the minimum specification for fill embankments. Fill slopes should be overbuilt and trimmed to compacted material.

Earthwork Construction Considerations

The near-surface, on-site soils will lose strength when exposed to moisture. To the extent practical, earthwork should be performed during drier periods of weather. Increased remedial measures due to wet and soft or otherwise unsuitable conditions should be expected if earthwork is performed during colder and wetter periods of weather.

A qualified geotechnical engineer should be retained during the earthwork phase of the project to observe earthwork and to perform necessary tests and observations during subgrade preparation; to monitor proof-rolling, placement and compaction of controlled compacted fills, and backfilling of excavations to the completed subgrade.

Foundations Recommendations

The following recommendations are made based on our review of the test boring data and our past experience with similar projects and subsurface conditions. Ultimate soil strength parameters are presented on table below.

Ultimate Strength Parameters

Boring #	Depth (ft)	Unified Soil Classification	Total Unit Weight (pcf)	Friction Angle (degrees)	Cohesion (psf)
B-1	0.0 – 2.0	SC	105	27	--
	2.0 – 4.0	CL	105	--	500
	4.0 – 6.0	CL	105	--	800
	6.0 – 8.0	CL	115	--	1,200
	8.0 – 12.0	CL	115	--	1,700
	12.0 – 17.0	CL	105	--	800
	17.0 – 28.0	CL	100	--	100
	28.0 – 38.0	LIMESTONE	145	45	--

1. Groundwater was not encountered at the time of drilling.

Based on the subsurface conditions and typical design foundation loads for similar monopole towers, we recommend that either a caisson (drilled shaft) or a pad/pier be used to support the new tower.

Modulus of Subgrade Reaction

A vertical and horizontal modulus of subgrade reaction may be derived using the following equations and soils parameters expressed in the above table:

$$k_{s-v} = 12 \cdot SF \cdot q_a$$

$$k_{s-h} = k_{s-v} \cdot B$$

Where:

q_a = Allowable Bearing Capacity (ksf)

SF = Safety Factor

B = Base width (ft), use 1 if B < 1ft

k_{s-v} = Vertical Modulus of Subgrade Reaction (kcf)

k_{s-h} = Horizontal Modulus of Subgrade Reaction (ksf)

Caisson (Drilled Shaft)

Should caissons (drilled shafts) be used, the caissons (drilled shafts) will achieve compressive (downward) and tensile (uplift) resistance through skin friction along the sides of the shafts. In addition to skin friction, bearing resistance at the caisson’s tip will contribute to compressive capacity. We recommend the values given the table below be used for this project. Please note the tip bearing capacity and skin frictions are net ultimate and ultimate values respectively. Appropriate factors of safety or resistance factors should be used. Lateral loads can be resisted by the lateral stiffness of the soil. Parameters for analysis of the laterally loaded caisson are also given the table below.

Caisson (Drilled Shaft) Parameters

Depth (ft)	Net Ultimate Tip Bearing Capacity (ksf)	Ultimate Skin Friction¹ (ksf)	Lateral Modulus (pci)	ε₅₀ (in/in)
0.0 – 2.0	--	--	--	--
2.0 – 4.0	--	0.3	100	0.01
4.0 – 6.0	--	0.4	500	0.007
6.0 – 8.0	--	0.6	500	0.007
8.0 – 12.0	--	0.9	1,000	0.005
12.0 – 17.0	7	0.4	500	0.007
17.0 – 28.0	1	0.1	30	0.02
28.0 – 38.0	40	2.6	225	--

1. We recommend the skin friction be ignored for the top 3 ft of the caisson

Based on the subsurface soil conditions, excavations for the caissons (drilled shafts) should be possible using a large, truck-mounted, hydraulic-advanced drill rig. All debris, loose or disturbed soil should be removed from the excavation prior to placing reinforced steel and/or concrete. Reinforcing steel and/or concrete should be placed immediately upon completion of the excavation.

The excavations may be susceptible to caving. Drilling fluid or casing could be used to assist in keeping the drilled hole open. If casing is used, we recommend it be removed from the excavation

as concrete is being placed. Continuous vibration or other approved methods should be used during casing withdrawal to reduce the potential for void-space formation within the concrete. If water is present during concrete placement and/or drilling fluids are used to maintain hole stability, concrete should be pumped or otherwise discharged to the bottom of the hole via a hose or tremie pipe. The end of the hose or tremie pipe must remain below the top surface of any water, drilling fluid and the in-place concrete at all times. Additionally, concrete should be consolidated using vibration methods over the entire length and width of the caissons and the consolidation should be performed only after these fluids are removed and to the extent possible.

Pad & Pier / Single Mat Foundation

If the site has been prepared in accordance with the requirements noted in *Earthwork Recommendations – Equipment Mat*, the tower’s foundation capacity can be determined using the soil’s bearing capacity, passive pressure resistance, and a sliding friction factor.

Net Ultimate Bearing Capacity and Sliding Friction Factor

Depth² (ft)	Net Ultimate Bearing Capacity¹ (psf)	Sliding Friction Factor¹
0.0 – 2.0	--	--
2.0 – 6.0	5,000	0.30
6.0 – 12.0	10,000	

1. This value is a net ultimate value and an appropriate factor of safety or resistance factor should be used

Ultimate Passive Pressure and Friction Factor

Boring #	Depth (ft)	Ultimate Passive Pressure ¹ (psf) ¹
B-1	0.0 – 2.0	0 – 600
	2.0 – 4.0	600 – 1,000
	4.0 – 8.0	1,000 – 1,800
	8.0 – 12.0	1,800 – 2,600
	12.0 – 20.0	2,600 – 4,200

1. Ultimate passive pressure can be interpolated for foundation depths with the depth ranges given

Seismic Parameters

The seismic design requirements for buildings and other structures are based on Seismic Design Category. Site Classification is required to determine the Seismic Design Category for a structure. The Site Classification is based on the upper 100 feet of the site profile defined by a weighted average value of either shear wave velocity, standard penetration resistance, or undrained shear strength in accordance with Section 20.4 of ASCE 7 and the International Building Code (IBC)

Seismic Site Classification

Item	Seismic Parameter
2018 International Building Code Seismic Site Classification	D ¹
Design Spectral Response Acceleration Parameters	S _{ds} = 0.196g S _{d1} = 0.164g

1. The IBC seismic site classification is based on the subsurface profile depth of 100 feet. The scope of work did not authorize exploration to a depth of 100 feet. A seismic Site Soil Classification of D should be used if insufficient details are known about the 100-foot soil profile.

Field Electrical Resistivity Survey

An electrical resistivity survey was performed using the Wenner Four Point method (ASTM G57).. For each array, four copper-clad electrodes were inserted approximately 6 to 12 inches into the ground and one measurement was recorded at each A-spacing interval of 2, 4, 6, 8, 16 & 32 feet. Soil electrical resistivity testing results are summarized in the table below and may assist with the design of electrical grounding components and corrosion protection.

Apparent resistivity ρ is calculated as:
$$\rho = \frac{4\pi aR}{1 + \frac{2a}{\sqrt{a^2 + 4b^2}} - \frac{a}{\sqrt{a^2 + b^2}}}$$

Electrode Spacing <i>a</i>		Electrode Depth <i>b</i>		N-S Test		E-W Test	
[feet]	[centimeters]	[inches]	[centimeters]	Measured Resistance <i>R</i>	Apparent Resistivity ρ	Measured Resistance <i>R</i>	Apparent Resistivity ρ
				Ω	[Ω -cm]	Ω	[Ω -cm]
2	61	6	15	31.10	13,070	33.70	14,170
4	122	6	15	21.90	17,220	24.50	19,270
6	183	6	15	15.07	17,530	16.13	18,760
8	244	12	30	11.26	17,710	13.88	21,830
16	488	12	30	5.21	16,080	6.71	20,710
32	975	12	30	2.31	14,170	3.24	19,880

LIMITATIONS OF REPORT

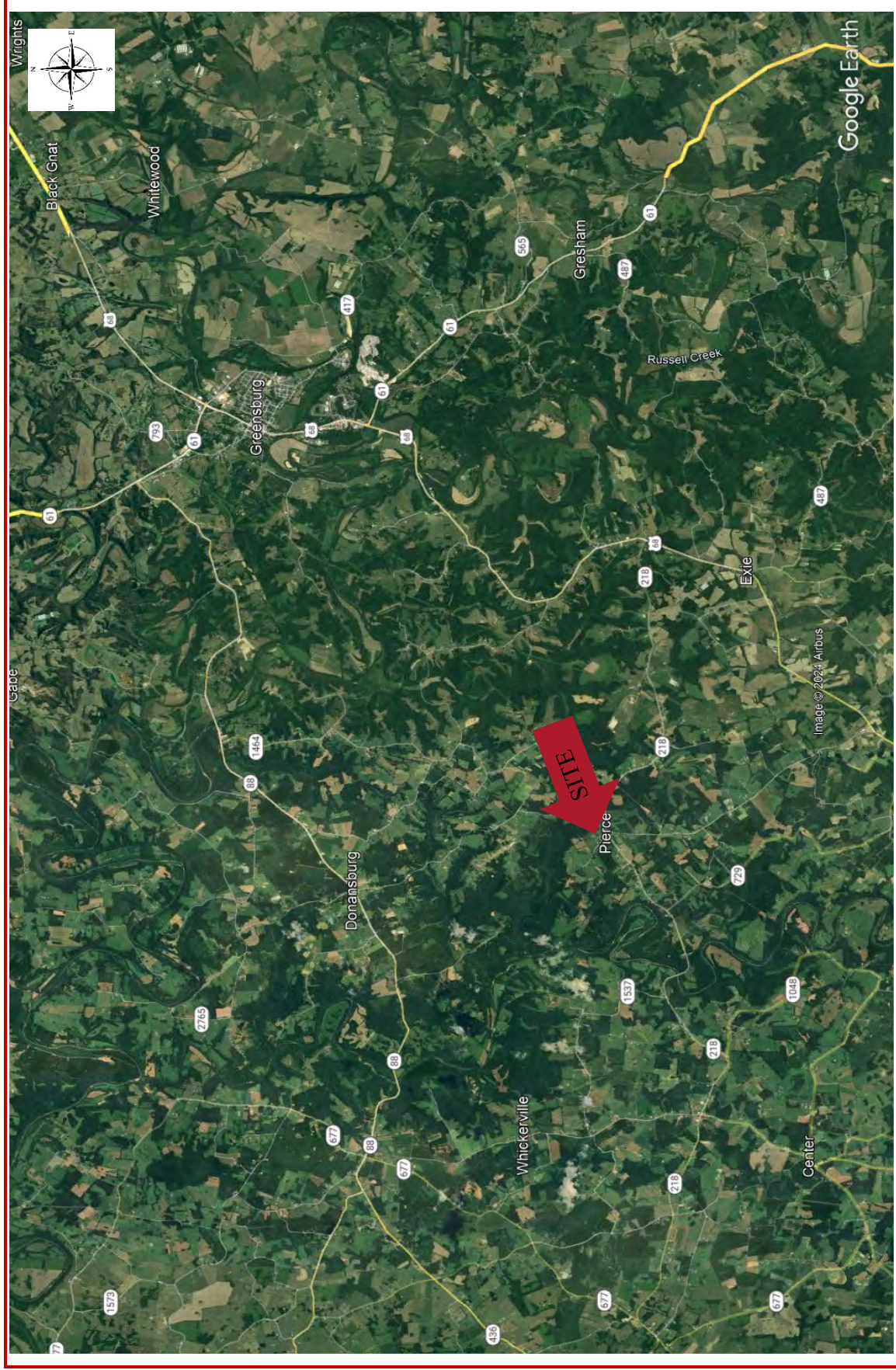
This report has been prepared in accordance with generally accepted geotechnical engineering practices for the specific application of this project. The conclusions in this report are based on the applicable standards of our practice in this geographic area at the time this report was prepared. No other warranty, expressed or implied, is made.

The analyses and conclusions submitted herein are based, in part, upon the data obtained from the subsurface exploration performed for this analysis. The soil and ground water conditions can vary across the site. Opinions and conclusions are subject to change if new or additional information is submitted for review.

APPENDIX A
LOCATION INFORMATION



SITE LOCATION PLAN
CK PIERCE II COW RELO (KY0112)
Job Number: 24124613





BORING LOCATION PLAN
CK PIERCE II COW RELO (KY0112)
Job Number: 24124613



Google Earth Image 07/2023

SITE PHOTO
CK PIERCE II COW RELO (KY0112)
Job Number: 24124613



APPENDIX B
SOIL TEST BORING



CLIENT Tower Co
 PROJECT NUMBER 24126140
 DATE 5/20/2024
 DRILLING METHOD Hollow Stem Auger (HSA)
 DRILLING EQUIPMENT Mobile B-51
 LOGGED BY M. Nesbit
 NOTES _____

PROJECT NAME CK PIERCE II COW Relo
 PROJECT LOCATION Pierce Donansburg Road, Greensburg, KY 42743
 COORDINATES 37.1914, -85.6019
 GROUND WATER LEVELS:
 AT TIME OF DRILLING --- Not Encountered
 AT END OF DRILLING --- Not Encountered
 AFTER DRILLING --- Not Encountered

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	
0						
		CLAYEY SAND (SC) , brown, moist, very loose.	SS 1		1-2-1 (3)	
		SANDY LEAN CLAY (CL) , tan and red, moist, medium stiff to stiff.	SS 2		2-2-3 (5)	
5			SS 3		3-4-4 (8)	
			SS 4		4-5-7 (12)	
10			SANDY LEAN CLAY WITH GRAVEL (CL) , tan and red, moist, very stiff.	SS 5		5-7-10 (17)
			SANDY LEAN CLAY (CL) , tan and red, moist, soft to medium stiff.	SS 6		2-4-4 (8)
15				SS 7		2-2-2 (4)
			SANDY LEAN CLAY (CL) , tan and red, moist, very soft.	SS 8		1-0-1 (1)
25						
		LIMESTONE , Moderately weathered and fractured, moderately weathered.	RC RC-1	35 (27)		
30			RC RC-2	97 (67)		
35						

Bottom of borehole at 38.0 feet.

ETS - BORING W/ROCK CORING 2 - ETS DATABASE JUN30.GDT - 5/24/24 12:11 - \\ETS.LOCAL\ETS-PUBLIC\2024\126140_CK PIERCE II COW RELO\GE\0521_GEOTECH\REPORT\PIERCE.GPJ

DIRECTIONS FROM GREEN COUNTY CLERK:

HEAD EAST ON W COURT ST TOWARD S 1ST ST. TURN RIGHT ONTO S 1ST ST.
TURN LEFT ONTO W COLUMBIA AVE. TURN RIGHT ONTO US-68 W / KY-61 /
KY-70 / S MAIN ST. TURN RIGHT ONTO KY-218 / HIGHWAY 218. TURN RIGHT
ONTO PIERCE DONANSBURG RD. ARRIVE AT SITE ON THE RIGHT.

Prepared by: Telecad Wireless, Telephone 423-843-9500

Prepared by Jason Catalini
And after recording return to:
TowerCo 2013 LLC
5000 Valleystone Drive, Suite 200
Cary, NC 27519
919-653-5700



(Recorder's Use Above this Line)
Parcel No.: 43-50

STATE OF KENTUCKY)
)
COUNTY OF GREEN)

MEMORANDUM OF LEASE

This Memorandum of Lease is entered into on this 12th day of September, 2023, by and between **THOMAS G. DAVIS and RETA K. DAVIS**, husband and wife, having a mailing address of 234 Pierce-Donansburg Road, Greensburg, KY 42743 (hereinafter referred to as "Lessor") and **TOWERCO 2013 LLC**, a Delaware limited liability company having a mailing address of 5000 Valleystone Drive, Suite 200, Cary, North Carolina 27519 (hereinafter referred to as "Lessee").

1. Lessor and Lessee entered into that certain Ground Lease Agreement dated the 12th day of September, 2023 (the "Lease") for certain real property and easements as described in **Exhibit B** attached hereto (collectively, the "Premises"), which are a portion of that certain parcel of real property located in Donansburg, County of Green, State of Kentucky, described in **Exhibit A** attached hereto (the "Land").

2. The Lease shall have an initial term of five (5) years, with fifteen (15) additional five (5) year renewal terms.

3. The purpose of this Memorandum is to give record notice of the Lease and of the rights created thereby all of which are hereby confirmed. In the event of a conflict between the terms of this Memorandum or the addition of any terms in this Memorandum which are not contained in the Lease, the Lease shall control. The terms of the Lease are hereby incorporated by reference.

4. Upon written notice to Lessee, Lessor is permitted to transfer the Lease only in connection with the sale of the Land and only on the following conditions: (a) the acquiring party must and will assume in writing all of the rights and obligations of Lessor under this Lease on and after the date of purchase of the Land and (b) Lessor must retain no rights or obligations under the Lease after the date of sale of the Land (a "Lessor Permitted Assignment"). Other than a Lessor Permitted Assignment, Lessor is prohibited from assigning, selling or otherwise transferring the Lease in whole or in part and Lessor is prohibited from granting any third party an easement or other real property interest in the Premises.

5. Pursuant to the Lease, Lessee has a right of first refusal to meet any bona fide offers for (i) any sale or transfers of the Land, and any (ii) grant from Lessor to a third party by easement or other legal instrument of an interest in and to any portion of the Land, the Premises or the Lease for any purpose relating to operating and maintaining communications facilities or the management thereof, with or without an assignment of the Lease to such third party, including but not limited to assignments of any right to the rent or rental stream associated with the Lease.

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EXHIBIT A
DESCRIPTION OF PARENT PARCEL

The Parent Parcel is described and/or depicted as follows:

In Green County, Kentucky-

BEGINNING at an iron pin on the east side of Pierce-Donansburg Road, corner of the Imogene Thompson property; thence with the east side of said Pierce-Donansburg Road as follows: North 05 degrees 02 minutes West 623.3 feet; North 08 degrees 21 minutes West 123.8 feet; North 09 degrees 43 minutes West 127.2 feet; North 03 degrees 56 minutes West 131.3 feet; North 05 degrees 34 minutes West 308.5 feet to an iron pin on the east side of said Pierce-Donansburg Road, said iron pin being a new division corner in the Thomas R. Davis property; thence with a new division line in said Davis property North 83 degrees 56 minutes East 1567.8 feet to an iron pin in the line of the Thomas R. Davis and David Ray Davis property (Deed Book 136, page 541); thence with the lines of said Davis property as follows: South 05 degrees 12 minutes East 673.5 feet; South 06 degrees 55 minutes East 310.9 feet to an iron pin, said iron pin being a new division corner in said Thomas R. Davis property; thence with a new division line in said Davis property and then with the lines of the Barney A. Matney property (Deed Book 148, page 617) as follows: South 70 degrees 30 minutes West 369.7 feet to an iron pin; South 21 degrees 10 minutes East 63.4 feet to a post in the line of said Matney property, corner of the Dennis Davis property; thence with the line of said Dennis Davis property and then with the line of the Christopher D. Davis property (Deed Book 147, page 117) and then with the lines of the Thomas R. Davis property as follows: South 69 degrees 23 minutes West 443.2 feet to a hickory tree; South 78 degrees 04 minutes West 155.0 feet; North 02 degrees 02 minutes West 111.8 feet to an oak tree; South 80 degrees 33 minutes West 502.0 feet to an iron pin; South 07 degrees 55 minutes East 114.5 feet to a fence corner in the line of said Davis property, corner of said Thompson property; thence with the line of said Thompson property South 75 degrees 38 minutes West 153.8 feet to the beginning containing 41.61 acres, according to a new survey by Robert L. Miller, Jr., RLS #2282 on November 11, 1991.

LESS AND EXCEPT all that property conveyed to David R. Davis and Melody P. Davis, husband and wife, by Thomas G. Davis and Reta K. Davis, husband and wife by Deed of Conveyance dated June 25, 1994 and recorded on July 6, 1994 in Deed Book 174, Page 117, of Green County Clerk's Records.

EXHIBIT B
DESCRIPTION OR DEPICTION OF PREMISES

An approximately 100' x 100' (10,000) square foot tract of land, together with easements for ingress, egress and utilities described or depicted as follows:

PREMISES:

All that tract or parcel of land lying and being in Green County, Kentucky, and being a portion of the property of Thomas G. Davis and Reta K. Davis, of record in Deed Book 167, Page 164, Office of the Green County Court Clerk, and being more particularly described as follows:

Commence at a five-eighths-inch Capped Iron Rod found at the Southeast Corner of the land leased by Deed Book MS16, Page 180, said records;
Thence along a Chord Tie Line having a Bearing of S 16°50'18" W, a distance of 25.46 feet to the POINT OF BEGINNING;

Thence N 85°17'45" E, a distance of 100.00 feet;
Thence S 04°42'15" E, a distance of 100.00 feet;
Thence S 85°17'45" W, a distance of 100.00 feet;
Thence N 04°42'15" W, a distance of 100.00 feet to the POINT OF BEGINNING.

Said Premises contains 0.23 Acres (10,001 Square Feet), more or less.

20' ACCESS & UTILITY EASEMENT:

All that tract or parcel of land lying and being in Green County, Kentucky, and being a portion of the property of Thomas G. Davis and Reta K. Davis, of record in Deed Book 167, Page 164, Office of the Green County Court Clerk, and being more particularly described as follows:

Commence at a five-eighths-inch Capped Iron Rod found at the Southeast Corner of the land leased by Deed Book MS16, Page 180, said records;
Thence along a Chord Tie Line having a Bearing of S 16°50'18" W, a distance of 25.46 feet to the POINT OF BEGINNING;

Thence S 04°42'15" E, a distance of 100.00 feet;
Thence S 85°17'45" W, a distance of 20.00 feet;
Thence N 04°42'15" W, a distance of 44.97 feet;
Thence S 43°43'29" W, a distance of 163.41 feet to a point on the Eastern Right-of-Way Line of Pierce-Donansburg Road;
Thence N 12°31'19" W, along said Right-of-Way Line, a distance of 24.05 feet;
Thence N 43°43'29" E, leaving said Right-of-Way Line, a distance of 167.78 feet;
Thence N 04°42'15" W, a distance of 28.30 feet;
Thence N 85°17'45" E, a distance of 20.00 feet to the POINT OF BEGINNING.

Said Easement contains 0.12 Acres (5,312 Square Feet), more or less.

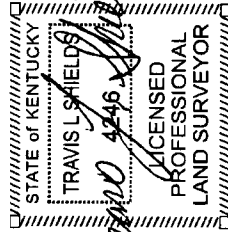
(see attached survey)

GENERAL NOTES:

- This Survey is prepared exclusively to show site conditions and/or for use in support of instruments related to Leases and Easements as may be shown hereon. Any property boundary information shown hereon is a composite of information gathered from current or previous Surveys, Plat & Deed Description and/or Assessor's Tax Maps as may be referenced hereon. This Survey is not a Boundary Survey of any Tax Parcels or Deed Tracts, and does not create, combine, or divide any existing properties.
- Survey shown hereon was performed under the supervision of a state-registered Land Surveyor and conforms to all applicable State Board Requirements.
- Instruments Used: One or more of: Topcon Total Station, Topcon Hiperlite Plus GPS, Carlson Surveyor Data Collector, DJI UAV.
- Where shown, improvements (utilities, buildings, trees, fences, etc.) are based on field Survey and/or aerial mapping.
- Any Underground Utilities shown according to surface markings made by others, found at time of survey. Additional marked utilities outside the area covered by this survey map may be shown in provided CAD Files. Utility Markings may not be comprehensive; this survey does not relieve design and construction personnel of the responsibility to determine the locations of underground utilities prior to land disturbance activities.
- This Survey is presented in the format required by Clients. Clients are advised that Official Jurisdictions may require the Survey to be presented in another format with additional notes and certifications. In the event other formats, notes or certifications are requested by applicable jurisdictions, it is the responsibility of the Client to request same be prepared by Surveyor. Survey as published is not intended to be suitable for recording as a Subdivision Plat.
- This survey may have been reduced or enlarged in size due to subsequent reproduction. This should be taken into consideration when obtaining scaled data.
- Geographic Coordinates, if published, meet FAA Accuracy Code 1A, and are accurate to within ± 20 feet horizontally and to within ± 3 feet vertically.
- Any Flood Zone information presented hereon is according to current FEMA Flood Map information as may be referenced hereon. No Flood Elevation Survey of Certification performed.
- This survey is not valid without the original signature seal of a State-Licensed Land Surveyor, and is not complete without the total of sheets as specified in Survey Title Blocks.
- Unless indicated otherwise by reference to Record Instruments, any Lessee's Leases, Premises or Easements shown hereon are NOT YET OF RECORD and may be subject to change pending review and approval by Carrier, applicable jurisdictions and/or other involved parties.
- Any Survey Markers placed as required by Standards of Practice and/or Client request represent the Leases and/or Easements as requested or designed by Clients at the time of this survey issue and may not reflect changes to site design which have not been communicated to Surveyor in the form of a Survey revision request. Surveyor shall not be liable for any circumstance arising as a result of revisions to Site Design (which may invalidate existing survey markers) occurring after the date of this Survey issue.

SURVEYOR'S CERTIFICATION

To: TowerCo IV Holdings, LLC:
 I hereby certify (or state) that all parts of this survey and drawing have been completed in accordance with the current requirements of the Standards of Practice for Surveying in the State of Kentucky to the best of my knowledge, information, and belief.



Travis L. Shields
 Kentucky PLS
 License No. 4246

PROPOSED TOWER LOCATION DATA

Latitude: NORTH: 37.191059° 37° 11' 27.81"
 Longitude: WEST: 85.601929° 85° 36' 06.95"
 Ground Elev: 802.4 FEET AMSL (NAVD88)
 Benchmark: DH7217 KYCP

PARENT TAX PARCEL

THOMAS G. DAVIS & RETA K. DAVIS
 TAX PARCEL: 43-50

NORTH ORIENTATION

KENTUCKY SOUTH STATE PLANE COORDINATE SYSTEM
 Based on GPS Survey relative to NGS CORS Network, NAD83 (2011)
 ELEVATION DATUM: NAVD88, GEOID 12B
 DATE OF SURVEY: 10-11-2023

Method: RTK (CORS); Confidence Level: 95%
 Positional Accuracy: HZ ± 0.10'
 EPOCH 2010.00000

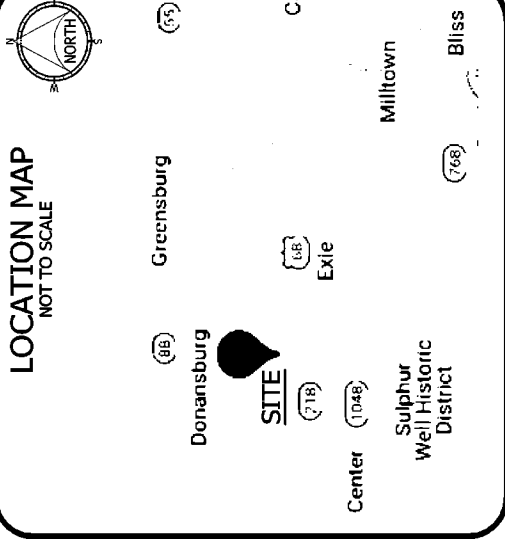
FLOOD DATA

FEMA FLOOD MAP PANEL: 21087C0200, Effective Date: 05-03-2010
 Surveyed Area appears to lie within: ZONE X (Areas of Minimal Flood Hazard)

TITLE EXAMINATION:

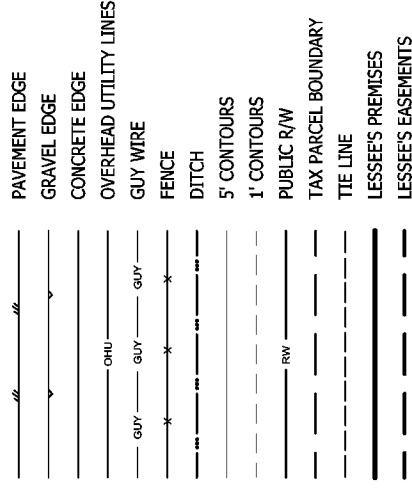
Not available

LOCATION MAP
NOT TO SCALE



LEGEND

- IRON ROD FOUND (AS NOTED)
- * PROPOSED TOWER LOCATION
- ⊕ SITE BENCHMARK
- ⊙ UTILITY POLE
- ↓ GUY ANCHOR
- ⊕ TREE WITH DIAMETER
- R/W RIGHT-OF-WAY
- C/L CENTER LINE
- AU ACCESS & UTILITY EASEMENT
- P.O.C. POINT OF COMMENCEMENT
- P.O.B. POINT OF BEGINNING
- Sq Ft SQUARE FEET



SURVEY ISSUE DATA

#	DETAILS	DATE	DRAWN	APP
0	Original Survey Issue	10-20-2023	NB	TL

THE LAND CONSULTANTS LLC
 5449 HIGHWAY 41
 JASPER, TN 37347
 423-304-6722

PREPARED FOR

TOWERCO IV HOLDINGS, LLC
 5000 Valleystone Drive # 200,
 Cary NC 27519

(Not a Boundary Survey of Parent Lands. Not Intended for Fee Simple Land Transfer)

SITE SURVEY
CK PIERCE II
 Site Number: KY0112
 Pierce Donansburg Road, Greensburg, KY 42743
 Green County, Kentucky

COVER SHEET

DWG#: 23280
 ISSUE #: 0
 ISSUE DATE: 10-20-2023
 SEE SHEET #1

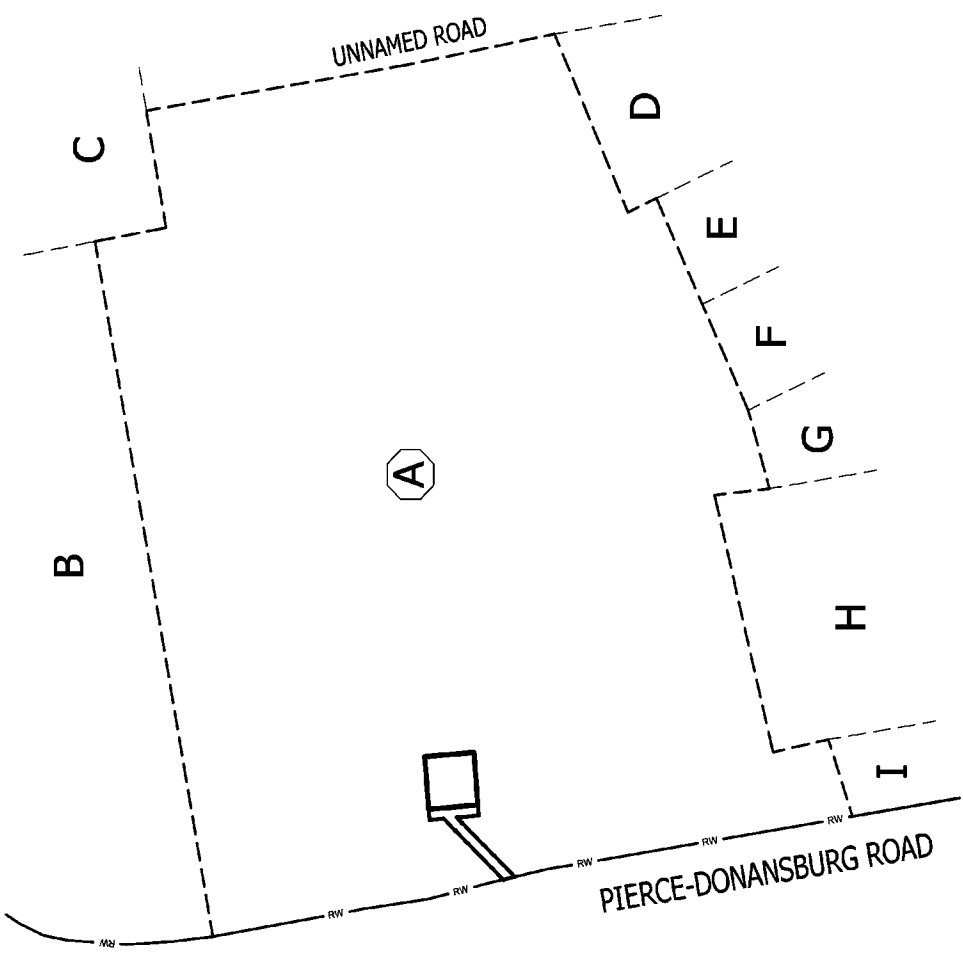
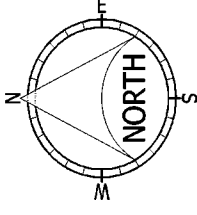
SHEET 1 OF 5

PROPERTY INFORMATION

MS2
TRUST
PARENT TAX PARCEL
 THOMAS G. DAVIS & RETA K. DAVIS
 TAX PARCEL: 43-50
 DEED BOOK 167, PAGE 164

ADJOINING TAX PARCELS

- B. HALL SHANNON D
 TAX PARCEL: 43-29
 DEED BOOK 199, PAGE 347
- C. DAVID RAY DAVIS ...
 TAX PARCEL: 43-47
 DEED BOOK 168, PAGE 397
- D. BARNEY MATNEY ...
 TAX PARCEL: 43-03-07
 DEED BOOK 199, PAGE 175
- E. BARNEY MATNEY ...
 TAX PARCEL: 43-03-08
 DEED BOOK 199, PAGE 175
- F. JAMIE S. MORGAN
 TAX PARCEL: 43-48
 DEED BOOK 213, PAGE 521
- G. RICKY MORAN ...
 TAX PARCEL: 43-49
 DEED BOOK 220, PAGE 772
- H. THOMAS RAY DAVIS
 TAX PARCEL: 43-52.01
 DEED BOOK 122, PAGE 215
- I. TIMOTHY LEE DAVIS, JR. ...
 TAX PARCEL: 43-51
 DEED BOOK 211, PAGE 379



- RW — PUBLIC R/W
- - - VESTING LAND
- - - ADJOINING TAX PARCEL
- LESSEES PREMISES
- LESSEES EASEMENT(S)

OVERVIEW MAP CAVEAT:
 OVERVIEW MAP IS NOT A SURVEY BUT A VICINITY / LOCATION MAP INTENDED ONLY TO SHOW SURVEYED PROPERTY IN RELATION TO SURROUNDING AREA. VESTING AND ADJOINING PARCEL BOUNDARIES ARE NOT INCLUDED IN OR CERTIFIED BY THIS SURVEY. BOUNDARY LINES ARE A COMPOSITE OF DEED, PLAT AND/OR TAX MAP INFORMATION



THE LAND CONSULTANTS LLC
 5449 HIGHWAY 41
 JASPER, TN 37347
 423-304-6722

PREPARED FOR

TowerCo®

TOWERCO IV HOLDINGS, LLC
 5000 Valleystone Drive # 200,
 Cary NC 27519

(Not a Boundary Survey of Parent Lands. Not Intended for fee simple Land Transfer)

SITE SURVEY
CK PIERCE II
 Site Number: KY0112
 Pierce Donansburg Road, Greensburg, KY 42743
 Green County, Kentucky

OVERVIEW MAP

DWG#: 23280
 ISSUE #: 0
 ISSUE DATE: 10-20-2023
 SEE SHEET #1

SHEET **2** OF 5



THE LAND CONSULTANTS LLC
 5449 HIGHWAY 41
 JASPER, TN 37347
 423-304-6722

PREPARED FOR



TOWERCO IV HOLDINGS, LLC
 5000 Valleystone Drive # 200,
 Cary NC 27519

Green County, Kentucky

Pierce Donansburg Road, Greensburg, KY 42743

Site Number: KY0112

CK PIERCE II

SITE SURVEY

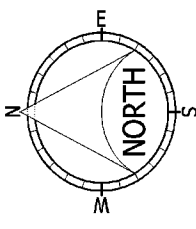
(Not a Boundary Survey of Parent Lands. Not Intended for fee simple Land Transfer)

SITE SURVEY

SHEET **3** OF **5**

DWG#: 23280
 ISSUE #: 0
 ISSUE DATE: 10-20-2023
 SEE SHEET #1

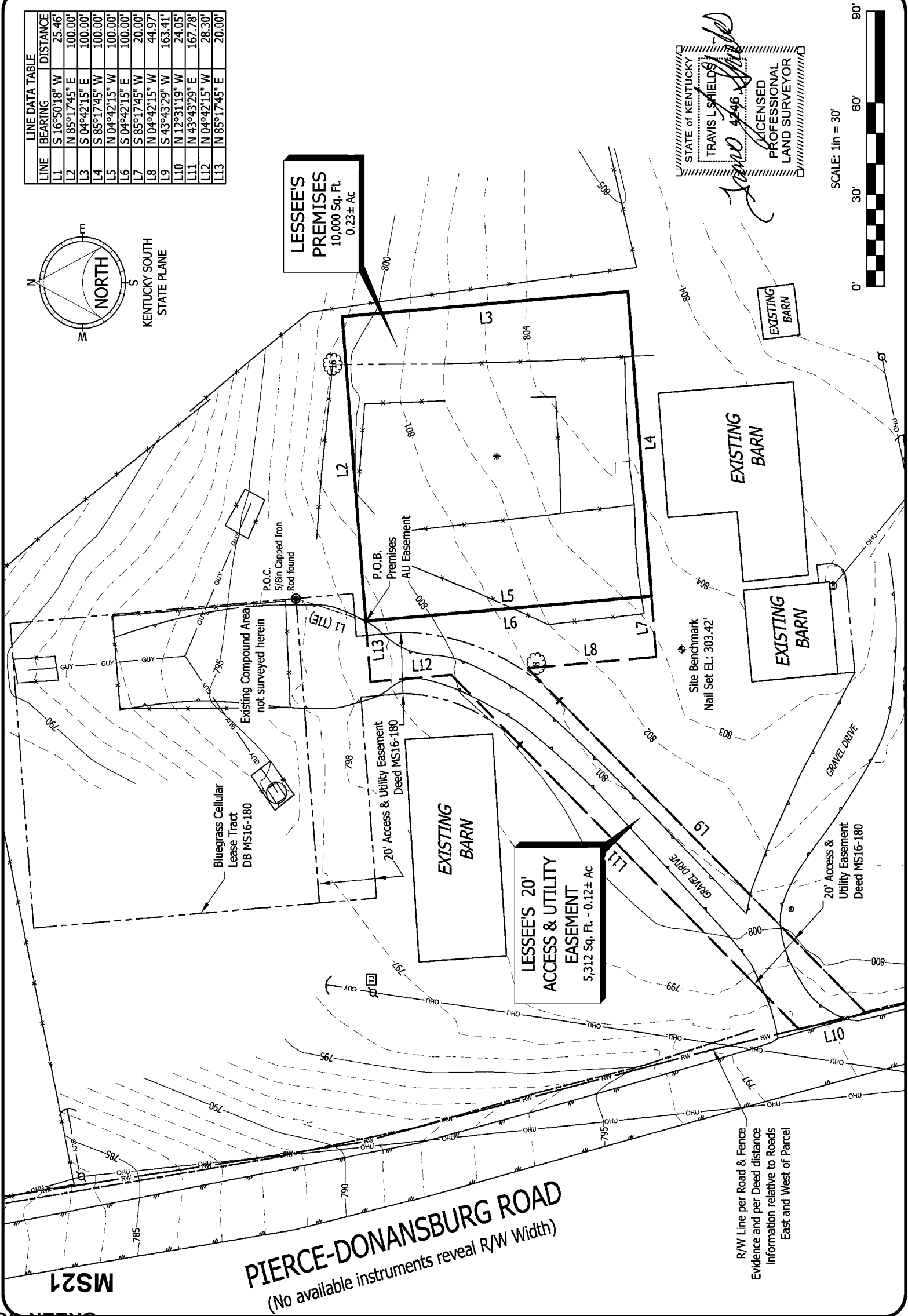
LINE	BEARING	DISTANCE
L1	S 16°50'18" W	25.46'
L2	N 85°17'45" E	100.00'
L3	S 04°42'15" E	100.00'
L4	S 85°17'45" W	100.00'
L5	N 04°42'15" W	100.00'
L6	S 04°42'15" E	100.00'
L7	S 85°17'45" W	20.00'
L8	N 04°42'15" W	44.97'
L9	S 43°43'29" W	163.41'
L10	N 12°31'19" W	24.05'
L11	N 43°43'29" E	167.78'
L12	N 04°42'15" W	28.30'
L13	N 85°17'45" E	20.00'



KENTUCKY SOUTH STATE PLANE

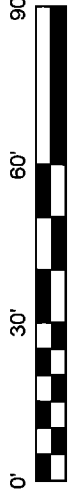
LESSEE'S PREMISES
 10,000 Sq. Ft.
 0.23± AC

LESSEE'S 20' ACCESS & UTILITY EASEMENT
 5,312 Sq. Ft. - 0.12± AC



STATE OF KENTUCKY
 TRAVIS L SHIELDS
 LICENSED PROFESSIONAL LAND SURVEYOR

SCALE: 1in = 30'



R/W Line per Road & Fence Evidence and per Deed distance information relative to Roads East and West of Parcel

PIERCE-DONANSBURG ROAD
 (No available instruments reveal R/W Width)

MS21

GREEN COU

LESSEE'S PREMISES

All that tract or parcel of land lying and being in Green County, Kentucky, and being a portion of the property of Thomas G. Davis and Reta K. Davis, as recorded in Deed Book 167, Page 164, Office of the Green County Court Clerk, and being more particularly described as follows:

Commence at a five-eighths-inch Capped Iron Rod found at the Southeast Corner of the land leased by Deed Book MS16, Page 180, said records; Thence along a Chord Tie Line having a Bearing of S 16°50'18" W, a distance of 25.46 feet to the POINT OF BEGINNING;

- Thence N 85°17'45" E, a distance of 100.00 feet;
- Thence S 04°42'15" E, a distance of 100.00 feet;
- Thence S 85°17'45" W, a distance of 100.00 feet;
- Thence N 04°42'15" W, a distance of 100.00 feet to the POINT OF BEGINNING.

LESSEE'S 20' ACCESS & UTILITY EASEMENT

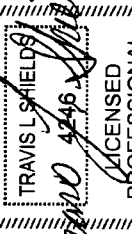
All that tract or parcel of land lying and being in Green County, Kentucky, and being a portion of the property of Thomas G. Davis and Reta K. Davis, of record in Deed Book 167, Page 164, Office of the Green County Court Clerk, and being more particularly described as follows:

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- Thence S 04°42'15" E, a distance of 100.00 feet;
- Thence S 85°17'45" W, a distance of 20.00 feet;
- Thence N 04°42'15" W, a distance of 44.97 feet;
- Thence S 43°43'29" W, a distance of 163.41 feet to a point on the Eastern Right-of-Way Line of Pierce-Donansburg Road;
- Thence N 12°31'19" W, along said Right-of-Way Line, a distance of 24.05 feet;
- Thence N 43°43'29" E, leaving said Right-of-Way Line, a distance of 167.78 feet;
- Thence N 04°42'15" W, a distance of 28.30 feet;
- Thence N 85°17'45" E, a distance of 20.00 feet to the POINT OF BEGINNING.

Said Easement contains 0.12 Acres (5,312 Square Feet), more or less.

STATE OF KENTUCKY
 TRAVIS L. SHIELDS
 LICENSED PROFESSIONAL LAND SURVEYOR




THE LAND CONSULTANTS LLC
5449 HIGHWAY 41
JASPER, TN 37347
423-304-6722

PREPARED FOR



TOWERCO IV HOLDINGS, LLC
5000 Valleystone Drive # 200,
Cary NC 27519

(Not a Boundary Survey of Parent Lands. Not Intended for Fee Simple Land Transfer)

SITE SURVEY
CK PIERCE II
Site Number: KY0112

Pierce Donansburg Road, Greensburg, KY 42743
Green County, Kentucky

DESCRIPTIONS

DWG#: 23280
ISSUE #: 0
ISSUE DATE: 10-20-2023
SEE SHEET #1

SHEET **4** OF **5**

TITLE EXAMINATION

Surveyor's treatment of Title Examination Items is limited to the scope described in ALTA/NPS 2021 requirements, Section 6. C. ii., and is limited to determination of the extent of land, that Title Items may influence, if any. "Extent of Property" may be: Blanket in nature for a parcel or Parcels (not subject to mapping, but assumed to also apply to Lessee's Areas (if any) insofar as these may lie on Parcel(s) influenced by instrument); specifically described by instrument (mapped and shown only if within the Surveyed Area). Determination of physical location may not be possible if: instrument is illegible; instrument lacks sufficient descriptive information; or instrument refers to other instruments which were not included in the title exam and not otherwise available to surveyor. Factors beyond physical location, such as the type of influence that "Restrictions, Covenants, Terms or Conditions" contained in instruments may impart upon Parcels or Lessee's Site or Easements are not evaluated by Land Surveyor. Review by Title Attorney may be warranted. Land Surveyors may not practice Law.)

Reference: Report of Title, prepared by U.S. Title Solutions, File No. UST75813, dated August 03, 2023, Schedule III.

1. Mortgages, etc.: None Listed
2. Judgments & Liens: None Listed.
3. Covenants & Restrictions: none Listed.
4. Easements & Rights-of-Way: None Listed
- 5.1 Deed MS16-180: Memorandum of Lease, Bluegrass Cellular. A Lease area and 20' Access & Utility Easement as shown hereon. Located on Parent Tax Parcel. Lease Area does not intersect with Lessee's Premises and Easement as outline by this survey. The 20' Access & Utility Easement shares land with Lessee's Access & Utility Easement shown hereon.
- 5.1 Deed MS16-79 & 80: Memorandum of Lease: A telecom Lease, said to be described by an "Exhibit A", which was not included in Deed. Assumed to lie on Parent Tax Parcel (grantor is the owner of Parent Tax Parcel), determination of location is not possible.
6. Unrecorded Documents: not subject to survey review.

LEGAL DESCRIPTION OF PARENT PARCEL

In Green County, Kentucky-

BEGINNING at an iron pin on the east side of Pierce-Donansburg Road, corner of the Imogene Thompson property; thence with the east side of said Pierce-Donansburg Road as follows: North 05 degrees 02 minutes West 623.3 feet; North 08 degrees 21 minutes West 123.8 feet; North 09 degrees 43 minutes West 127.2 feet; North 03 degrees 56 minutes West 131.3 feet; North 05 degrees 34 minutes West 308.5 feet to an iron pin on the east side of said Pierce-Donansburg Road, said iron pin being a new division corner in the Thomas R. Davis property; thence with a new division line in said Davis property North 83 degrees 56 minutes East 1567.8 feet to an iron pin in the line of the Thomas R. Davis and David Ray Davis property (Deed Book 136, page 541); thence with the lines of said Davis property as follows: South 05 degrees 12 minutes East 673.5 feet; South 06 degrees 55 minutes East 310.9 feet to an iron pin, said iron pin being a new division corner in said Thomas R. Davis property; thence with a new division line in said Davis property and then with the lines of the Barney A. Mamey property (Deed Book 148, page 617) as follows: South 70 degrees 30 minutes West 369.7 feet to an iron pin; South 21 degrees 10 minutes East 63.4 feet to a post in the line of said Mamey property, corner of the Dennis Davis property; thence with the line of said Dennis Davis property and then with the line of the Christopher D. Davis property (Deed Book 147, page 117) and then with the lines of the Thomas R. Davis property as follows: South 69 degrees 23 minutes West 443.2 feet to a hickory tree; South 78 degrees 04 minutes West 155.0 feet; North 02 degrees 02 minutes West 111.8 feet to an oak tree; South 80 degrees 33 minutes West 502.0 feet to an iron pin; South 07 degrees 55 minutes East 114.5 feet to a fence corner in the line of said Davis property, corner of said Thompson property; thence with the line of said Thompson property South 75 degrees 38 minutes West 153.8 feet to the beginning containing 41.61 acres, according to a new survey by Robert L. Miller, Jr., RLS #2282 on November 11, 1991.

LESS AND EXCEPT all that property conveyed to David R. Davis and Melody P. Davis, husband and wife, by Thomas G. Davis and Reta K. Davis, husband and wife by Deed of Conveyance dated June 25, 1994 and recorded on July 6, 1994 in Deed Book 174, Page 117, of Green County Clerk's Records.



DOCUMENT NO: 125890
RECORDED: 11/9/2023 3:56 PM
PREPARED FOR: TOWERCO IV HOLDINGS, LLC
COUNTY CLERK: JESSIE BAKER
5449 HIGHWAY 61
JASPER, TN 37347
PHONE: 615-233-3041
FAX: 615-233-3041
TOWERCO
5000 Valleystone Drive # 200,
Cary NC 27519

SITE SURVEY
CK PIERCE II
Site Number: KY0112
Pierce Donansburg Road, Greensburg, KY 42743
Green County, Kentucky

TITLE

DWG#: 23280
ISSUE #: 0
ISSUE DATE: 10-20-2023
SEE SHEET #1

SHEET **5** OF 5

Notification Listing with PVA Verification

Parcel # 43-50

DAVIS THOMAS G & RETA K
234 PIERCE DONANSBURG RD
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: 43-50
Account Number: 53881
Location Address: 234 PIERCE DONANSBURG RD
Description: 41.61A/RISE 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

DAVIS THOMAS G & RETA K
234 PIERCE DONANSBURG RD
GREENSBURG, KY 42743

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
11/1/1991	\$0	167	164	DAVIS THOMAS G & RETA K	DAVIS THOMAS RAY

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 # 43-29

HALL SHANNON D
256 ZOE DRIVE
GLASGOW, KY 42141

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: 43-29
Account Number: 53855
Location Address: PIERCE DONANSBURG RD
Description: 38.4A/NPB
(Note: Not to be used on legal documents)
Class: FARM (20)
Tax District: 00-County
Rate Per Thousand: 10.4084

[View Map](#)

Owner

HALL SHANNON D
256 ZOE DRIVE
GLASGOW, KY 42141


Land Characteristics

Tax Roll Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
7/1/2002	\$13,750	199	347	HALL SHANNON D	DAVIS THOMAS RAY

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 # 43-47
 DAVIS DAVID RAY & MELODY
 313 HWY 1464
 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: 43-47
 Account Number: 53877
 Location Address: 313 HWY 1464
 Description: 46A/2 HSES/GAR/SHED/BARN
 (Note: Not to be used on legal documents)
 Class: FARM (20)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

DAVIS DAVID RAY & MELODY
 313 HWY 1464
 GREENSBURG, KY 42743

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
5/1/1992	\$0	168	397	DAVIS DAVID RAY & MELODY	DAVIS THOMAS R & DAVID

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 # 43.03-08-01
 TUCKER WILLIAM KEITH & VICKIE
 130 NATURES WAY
 CAMPBELLSVILLE, KY 42718

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: 43.03-08.01
 Account Number: 53780
 Location Address: HWY 1464
 Description: 1.09A NPB
 (Notes: Not to be used on legal documents)
 Class: RESIDENTIAL (10)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

TUCKER WILLIAM KEITH & VICKIE
 130 NATURES WAY
 CAMPBELLSVILLE, KY 42718

Land Characteristics

Tax Roll Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
5/1/1994	\$2,000	174	532	TUCKER WILLIAM KEITH & VICKIE	DAVIS THOMAS RAY

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 # 43.03-07
 MATNEY BARNEY & RITA
 269 HWY 1464
 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: 43.03-07
 Account Number: 53778
 Location Address: 269 HWY 1464
 Description: 210 X 200 NPB
 (Note: Not to be used on legal documents)
 Class: RESIDENTIAL (10)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

MATNEY BARNEY & RITA
 269 HWY 1464
 GREENSBURG, KY 42743


Land Characteristics

Tax Roll Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
1/1/1900	\$2,000	199	175	MATNEY BARNEY & RITA	MATNEY BARNEY

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 # 43.03-08
 MATNEY BARNEY & RITA
 269 HWY 1464
 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: 43.03-08
 Account Number: 53779
 Location Address: 269 HWY 1464
 Description: 140X265HSE
 (Note: Not to be used on legal documents)
 Class: RESIDENTIAL (10)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

MATNEY BARNEY & RITA
 269 HWY 1464
 GREENSBURG, KY 42743

Land Characteristics



Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
5/1/2002	\$38,000	199	175	MATNEY BARNEY & RITA	MATNEY BARNEY
6/1/1984	\$0			MATNEY BARNEY	T DAVIS

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 # 43-48
 HALE JAMIE S
 185 HWY 1464
 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: 43-48
 Account Number: 53879
 Location Address: 185 HWY 1464
 Description: HSE LOT
 (Note: Not to be used on legal documents)
 Class: RESIDENTIAL (10)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

HALE JAMIE S
 185 HWY 1464
 GREENSBURG, KY 42743

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
11/15/2005	\$0	213	521	MORGAN JAMIE S	DAVIS DENNIS G

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 # 43-49
 MORAN RICKY & LISA
 159 HWY 1464
 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: 43-49
 Account Number: 53880
 Location Address: 159 HWY 1464
 Description: LOT/HSE
 (Note: Not to be used on legal documents)
 Class: RESIDENTIAL (10)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

MORAN RICKY & LISA
 159 HWY 1464
 GREENSBURG, KY 42743

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
12/14/2007	\$77,900	220	772	MORAN RICKY & LISA	DAVIS CHRISTOPHER D

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 # 43-52.01
 DAVIS THOMAS RAY & BETTY E
 127 HWY 1464
 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: 43-52.01
 Account Number: 53884
 Location Address: 127 HWY 1464
 Description: 2.3A/HSE
 (Note: Not to be used on legal documents)
 Class: RESIDENTIAL (10)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

DAVIS THOMAS RAY & BETTY E
 127 HWY 1464
 GREENSBURG, KY 42743

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
9/1/1971	\$0	122	215	DAVIS THOMAS RAY & BETTY E	E DAVIS



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 # 43-51
 DAVIS TIMOTHY LEE JR CHRISTINA PRUITT
 102 PIERCE DONANSBURG RD
 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: 43-51
 Account Number: 53882
 Location Address: 102 PIERCE DONANSBURG RD
 Description: HSE/LOT
 (Note: Not to be used on legal documents)
 Class: RESIDENTIAL (10)
 Tax District: 00-County
 Rate Per Thousand: 10.4084

[View Map](#)

Owner

DAVIS TIMOTHY LEE JR CHRISTINA PRUITT
 102 PIERCE DONANSBURG RD
 GREENSBURG, KY 42743

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
5/5/2005	\$58,000	211	379	DAVIS TIMOTHY LEE JR	ANDREWS ANGELA CAROL ANN
4/1/2004	\$30,000			ANDREWS ANGELA CAROL ANN	THOMPSON JERRY A



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 # 30.09-31
 DILE HOLLY
 175 PIERCE DONANSBURG ROAD
 GREENSBURG, KY 42743

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Home

Summary

Parcel Number: 30.09-31
 Account Number: 52766
 Location Address: PIERCE DONANSBURG ROAD
 Description: 6AC/HOUSE/SHED
 (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

Announcements

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Owner

DILE HOLLY
 175 PIERCE DONANSBURG ROAD
 GREENSBURG, KY 42743

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
4/15/2014	\$13,000	240	540	DILE HOLLY	JUDD CHARLES & VERONICA & HANK
9/3/2008	\$6,000	223	298	JUDD CHARLES & VERONICA & HANK	TUCKER DOYCE & PHYLISS

Parcel # 30.09-27
 BRYANT MITCHELL
 255 PIERCE DONANSBURG RD
 GREENSBURG, KY 42743

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Home

Summary

Parcel Number: 30.09-27
 Account Number: 52765
 Location Address: 255 PIERCE DONANSBURG RD
 Description: RESERVED WHEN FARM SOLD 165-187 LOT/M H
 (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

Announcements

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Owner

BRYANT MITCHELL
 255 PIERCE DONANSBURG RD
 GREENSBURG, KY 42743

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
7/1/1987	\$0	158	87	BRYANT MITCHELL	A L RAYBURN

Parcel # 30.09-25
 DAVIS ROGER DALE & JANE TRUST
 7890 HWY 218
 CENTER, KY 42214

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 30.09-25
 Account Number 52763
 Location Address PIERCE DONANSBURG RD
 Description 20A/BARN
 (Note: Not to be used on legal documents)
 Class FARM (20)
 Tax District 00-County
 Rate Per Thousand 10.4064
[View Map](#)



Information



Green County, KY
 109 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](#)

Owner

DAVIS ROGER DALE & JANE TRUST
 7890 HWY 218
 CENTER, KY 42214

Land Characteristics

Tax Roll Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
5/7/2015	\$0	243	412	DAVIS ROGER DALE & JANE	BRYANT DRUCILLA
7/18/2007	\$37,000	219	479	BRYANT DRUCILLA	BRYANT JAMES



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

June 14, 2024

**Notice of Proposed Construction of
Wireless Communications Facility
Site Name: Pierce II**

Cellco Partnership, d/b/a Verizon Wireless and TowerCo are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located on the east side of Pierce-Donansburg Road, 0.3 mile north of KY-218 Greensburg, KY 42743 (North Latitude: (37° 11' 27.81", West Longitude 85° 36' 06.95"). The proposed facility will include a 195-foot tall self-support tower, plus a 4-foot lightning arrestor and related ground facilities. Site name is Pierce II. It should be noted that this tower will replace the existing temporary tower located adjacent, on the same property.

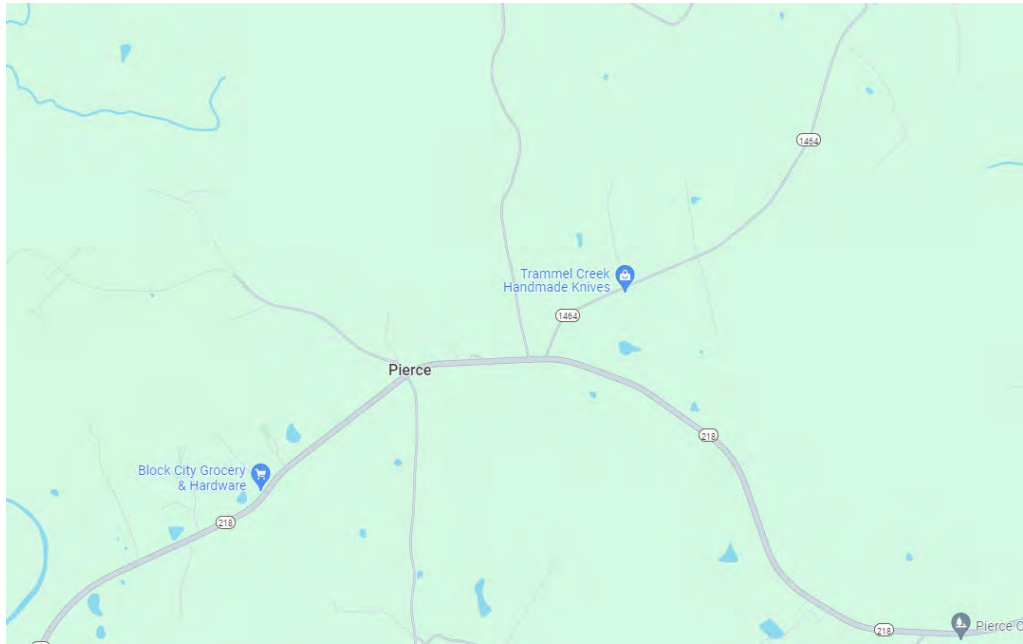
This notice is being sent to you because the County Property Valuation Administrator's records indicate that you may own property that is within a 500' radius of the proposed tower site or contiguous to the property on which the tower is to be constructed. You have a right to submit testimony to the 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 2024-00190 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

Attorney for Applicant
RLB/mnw
Enclosure

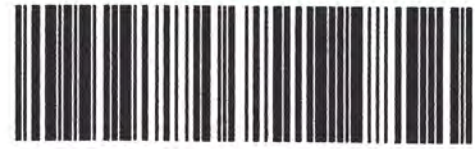
Vicinity Map



Location Map



ClarkQuinn
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DAVIS THOMAS G & RETA K
234 PIERCE DONANSBURG RD
GREENSBURG, KY 42743

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256 ZOE DRIVE
GLASGOW, KY 42141

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313 HWY 1464
GREENSBURG, KY 42743

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CAMPBELLSVILLE, KY 42718

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GREENSBURG, KY 42743

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DAVIS TIMOTHY LEE JR
CHRISTINA PRUITT
102 PIERCE DONANSBURG RD
GREENSBURG, KY 42743

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DILE HOLLY
175 PIERCE DONANSBURG ROAD
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BRYANT MITCHELL
255 PIERCE DONANSBURG RD
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DAVIS ROGER DALE & JANE TRUST
7890 HWY 218
CENTER, KY 42214

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- 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:
 MORAN RICKY & LISA
 159 HWY 1464
 GREENSBURG, KY 42743



9590 9402 8749 3310 9091 20

2. Article Number (Transfer from service label)
 9589 0710 5270 2002 9183 66

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
Lisa Moran Agent Addressee

B. Received by (Printed Name) *Lisa Moran* C. Date of Delivery *6/18/24*

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type Priority Mail Express®
 Adult Signature Registered Mail™
 Adult Signature Restricted Delivery Registered Mail Restricted Delivery
 Certified Mail® Signature Confirmation™
 Certified Mail Restricted Delivery Signature Confirmation Restricted Delivery
 Collect on Delivery Signature Confirmation Restricted Delivery
 Collect on Delivery Restricted Delivery Signature Confirmation Restricted Delivery
 Insured Mail Signature Confirmation Restricted Delivery
 Mail Restricted Delivery (0)

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.
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Article Addressed to:
 MATNEY BARNEY & RITA
 269 HWY 1464
 GREENSBURG, KY 42743



9590 9402 8749 3310 9076 52

2. Article Number (Transfer from service label)
 9589 0710 5270 2002 9183 42

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
Rita Matney Agent Addressee

B. Received by (Printed Name) *Rita Matney* C. Date of Delivery *6/18/24*

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type Priority Mail Express®
 Adult Signature Registered Mail™
 Adult Signature Restricted Delivery Registered Mail Restricted Delivery
 Certified Mail® Signature Confirmation™
 Certified Mail Restricted Delivery Signature Confirmation Restricted Delivery
 Collect on Delivery Signature Confirmation Restricted Delivery
 Collect on Delivery Restricted Delivery Signature Confirmation Restricted Delivery
 Insured Mail Signature Confirmation Restricted Delivery
 Mail Restricted Delivery (0)

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
 HALE JAMIE S
 185 HWY 1464
 GREENSBURG, KY 42743



9590 9402 8749 3310 9076 38

2. Article Number (Transfer from service label)
 9589 0710 5270 2002 9183 59

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COMPLETE THIS SECTION ON DELIVERY

A. Signature
Jamie Hale Agent Addressee

B. Received by (Printed Name) *Jamie Hale* C. Date of Delivery *6/18/24*

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type Priority Mail Express®
 Adult Signature Registered Mail™
 Adult Signature Restricted Delivery Registered Mail Restricted Delivery
 Certified Mail® Signature Confirmation™
 Certified Mail Restricted Delivery Signature Confirmation Restricted Delivery
 Collect on Delivery Signature Confirmation Restricted Delivery
 Collect on Delivery Restricted Delivery Signature Confirmation Restricted Delivery
 Insured Mail Signature Confirmation Restricted Delivery
 Mail Restricted Delivery (0)

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:

TUCKER WILLIAM KEITH & VICKIE
130 NATURES WAY
CAMPBELLSVILLE, KY 42718



9590 9402 8749 3310 9087 65

2. Article Number (Transfer from service label)

9589 0710 5270 2002 9183 35

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Vickie Lynn Tucker* Agent Addressee

B. Received by (Printed Name)

V: J. L. Tucker

C. Date of Delivery

6-17-21

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
- Mail Restricted Delivery (00)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation 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 mailpiece,

1.

DILE HOLLY
175 ~~PIERCE~~ DONANSBURG ROAD
GREENSBURG, KY 42743



9590 9402 8749 3310 9087 34

2. Article Number (Transfer from service label)

9589 0710 5270 2002 9183 97

COMPLETE THIS SECTION ON DELIVERY

- A. Signature Agent
 Addressee
Holly Dile Napier
- B. Received by (Printed Name) *Holly Dile Napier*
- C. Date of Delivery *6/24/24*
- 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
 - Mail Restricted Delivery
- Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053

Domestic Return Receipt

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6/17
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1:2

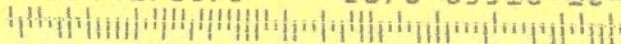
BRYANT MITCHELL
255 PIERCE DR GREENSBURG RD
GREENSBURG, KY 427

NIXIE 402 CE 1 0207/11/24

RETURN TO SENDER
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June 17, 2024, 11:44 am

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Feedback

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GREENSBURG, KY 42743

June 17, 2024, 12:23 pm

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Product Information



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[FAQs >](#)

Tracking Number:

[Remove X](#)

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Delivered

Out for Delivery

Preparing for Delivery

Moving Through Network

In Transit to Next Facility

June 21, 2024

Departed USPS Regional Facility

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June 18, 2024, 8:05 am

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Feedback

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Product Information



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Track Another Package

Need More Help?

Contact USPS Tracking support for further assistance.

[FAQs](#)

ALERT: FLOODING AND SEVERE WEATHER IN THE SOUTHERN AND CENTRAL U.S. MAY IMPA...

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Feedback

Moving Through Network

In Transit to Next Facility

July 18, 2024

Departed USPS Regional Facility

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June 22, 2024, 7:34 am

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FAQs

ALERT: FLOODING AND SEVERE WEATHER IN THE SOUTHERN AND CENTRAL U.S. MAY IMPA...

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FAQs >

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9589071052702002918304

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July 15, 2024

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GREENSBURG, KY 42743

July 2, 2024, 7:10 am

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[FAQs](#)



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

July 17, 2024

**Notice of Proposed Construction of
Wireless Communications Facility
Site Name: Pierce II**

Cellco Partnership, d/b/a Verizon Wireless and TowerCo are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located on the east side of Pierce-Donansburg Road, 0.3 mile north of KY-218 Greensburg, KY 42743 (North Latitude: (37° 11' 27.81", West Longitude 85° 36' 06.95"). The proposed facility will include a 195-foot tall self-support tower, plus a 4-foot lightning arrestor and related ground facilities. Site name is Pierce II. It should be noted that this tower will replace the existing temporary tower located adjacent, on the same property.

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 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 2024-00190 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

Attorney for Applicant
RLB/mnw
Enclosure

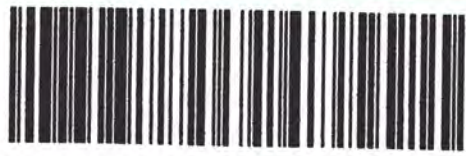
Vicinity Map



Location Map



ClarkQuinn
Clark, Quinn, Moses, Scott & Grahn, LLP



9589 0710 5270 1592 4120 49

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ZIP 46204 \$ 009.64⁰
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DAVIS THOMAS G & RETA K
234 PIERCE DONANSBURG RD
GREENSBURG, KY 42743

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HALL SHANNON D
256 ZOE DRIVE
GLASGOW, KY 42141

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02 7H
0006035028 JUL 17 2024

DAVIS DAVID RAY & MELODY
313 HWY 1464
GREENSBURG, KY 42743

ClarkQuinn
Clark, Quinn, Moses, Scott & Grahn, LLP



9589 0710 5270 1592 4120 70

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DAVIS THOMAS RAY & BETTY E
127 HWY 1464
GREENSBURG, KY 42743

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DAVIS TIMOTHY LEE JR
CHRISTINA PRUITT
102 PIERCE DONANSBURG RD
GREENSBURG, KY 42743

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0006035028 JUL 17 2024

DAVIS ROGER DALE & JANE TRUST
7890 HWY 218
CENTER, KY 42214

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GREENSBURG, KY 42743

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GREENSBURG, KY 42743

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Preparing for Delivery

Moving Through Network

In Transit to Next Facility

July 22, 2024

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July 20, 2024, 4:05 pm

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[Schedule a Redelivery \(https://tools.usps.com/redelivery.htm\)](https://tools.usps.com/redelivery.htm)

Latest Update

We attempted to deliver your item at 10:53 am on July 20, 2024 in EDMONTON, KY 42129 and a notice was left because an authorized recipient was not available. You may arrange redelivery by using the Schedule a Redelivery feature on this page or may pick up the item at the Post Office indicated on the notice beginning July 22, 2024. If this item is unclaimed by August 4, 2024 then it will be returned to sender.

Feedback

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Delivery Attempt: Action Needed

Notice Left (No Authorized Recipient Available)

EDMONTON, KY 42129

July 20, 2024, 10:53 am

Departed USPS Regional Facility

NASHVILLE TN DISTRIBUTION CENTER

July 20, 2024, 7:30 am

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FAQs

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Alert

Forward Expired

GLASGOW, KY 42141
July 20, 2024, 7:01 am

Arrived at USPS Regional Facility

NASHVILLE TN DISTRIBUTION CENTER
July 19, 2024, 12:43 pm

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[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)

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[FAQs](#)



ClarkQuinn

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

June 14, 2024

Via Certified Mail, Return Receipt Requested
9589 0710 5270 2002 9182 98

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. 2024-00190
Site Name: Pierce II

Dear Judge Frank:

Cellco Partnership, d/b/a Verizon Wireless and TowerCo are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on the east side of Pierce-Donansburg Road, 0.3 mile north of KY-218 Greensburg, KY 42743 (North Latitude: (37° 11' 27.81", West Longitude 85° 36' 06.95"). The proposed facility will include a 195-foot tall self-support tower, plus a 4-foot lightning arrestor and related ground facilities. Site name is Pierce II. It should be noted that this tower will replace the existing temporary tower located adjacent, on the same property.

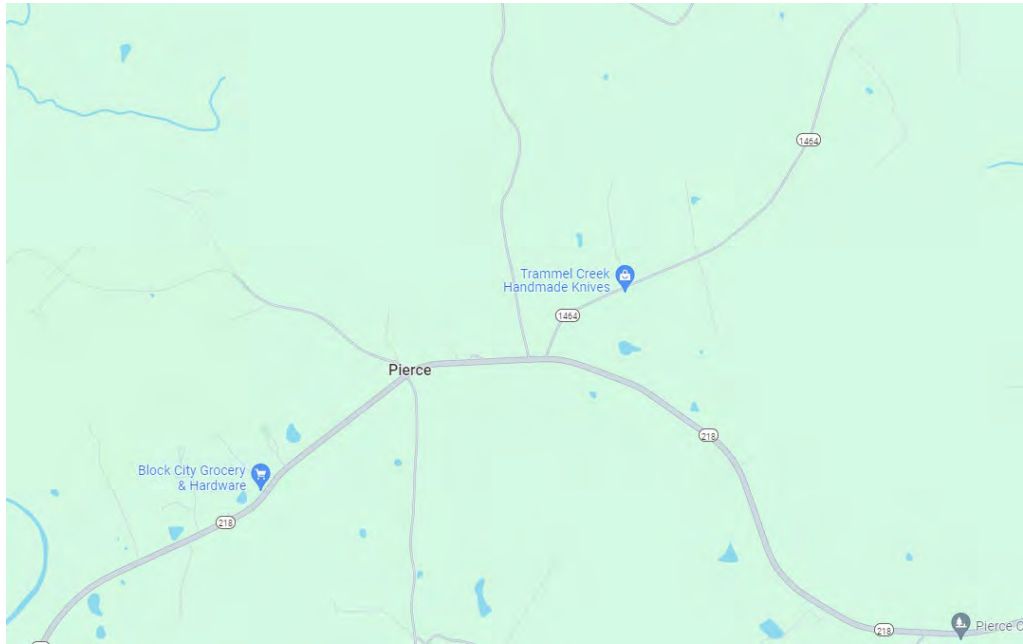
You have a right to submit comments to the PSC or to request intervention in the PSC's proceedings on the application. You may contact the PSC at: Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2024-00190 in any 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

Attorney for Applicant
RLB/mnw
Enclosures

Vicinity Map



Location Map



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Clark, Quinn, Moses, Scott & Grahn, LLP



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0006035028 JUN 14 2024

John H. Frank, Judge Executive
Green County
203 West Court Street
Greensburg, KY 42743

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GREENSBURG, KY 42743

June 17, 2024, 9:08 am

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[FAQs](#)

Exhibit N

SITE NAME: Pierce II 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.

Cellco Partnership, d/b/a Verizon Wireless and Tower Co. propose 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 2024-00190 in your correspondence.

Cellco Partnership, d/b/a Verizon Wireless and Tower Co. propose 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 2024-00190 in your correspondence.



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: infor@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: Pierce II

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 TowerCo propose to construct a wireless communications facility located on the east side of Pierce-Donansburg Road, 0.3 mile north of KY-218 Greensburg, KY 42743 (North Latitude: (37° 11' 27.81", West Longitude 85° 36' 06.95"). The proposed facility will include a 195-foot tall self-support tower, plus a 4-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 2024-00190 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





January 30, 2024

RE: Proposed Cellco Partnership d/b/a Verizon Wireless Communications

Facility Site Name: CK Pierce II - Reloc

Type of Tower: 199 ft. Monopole

Location: 313 Pierce Donansburg Rd, Greensburg, KY 42743

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 Pierce II.

The CK Pierce II site is proposed with the below objectives:

1. To improve cellular service in Pierce and the surrounding area.
2. To improve service along Route 218.
3. To offload existing traffic of existing Verizon sites in this area.

Currently the area is experiencing poor service along Route 218 and in the city of Pierce. 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 199' with a Verizon Wireless Centerline of 190'. The new structure height was decided upon to best cover the city of Pierce, Route 218, 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. In addition, building a structure that is too short can cause existing taller sites to cover over the proposed site and building a site that is too tall can cause the proposed site to shoot over existing sites. Both situations create a poor experience from a user perspective. 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.



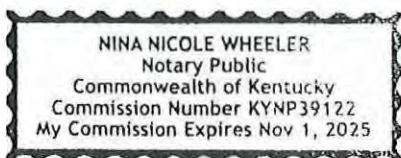
Verizon Wireless design engineers establish search area criteria in order to effectively meet coverage objectives as well as offload existing Verizon cell sites. When met, the criterion also reduces the need for a new site to cover the area in the immediate future. Each cellular site covers a limited 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

1/30/24
Nina Nicole Wheeler
notary public





January 30, 2024

RE: Zoning Plots

Site Name: CK Pierce II

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 underline.

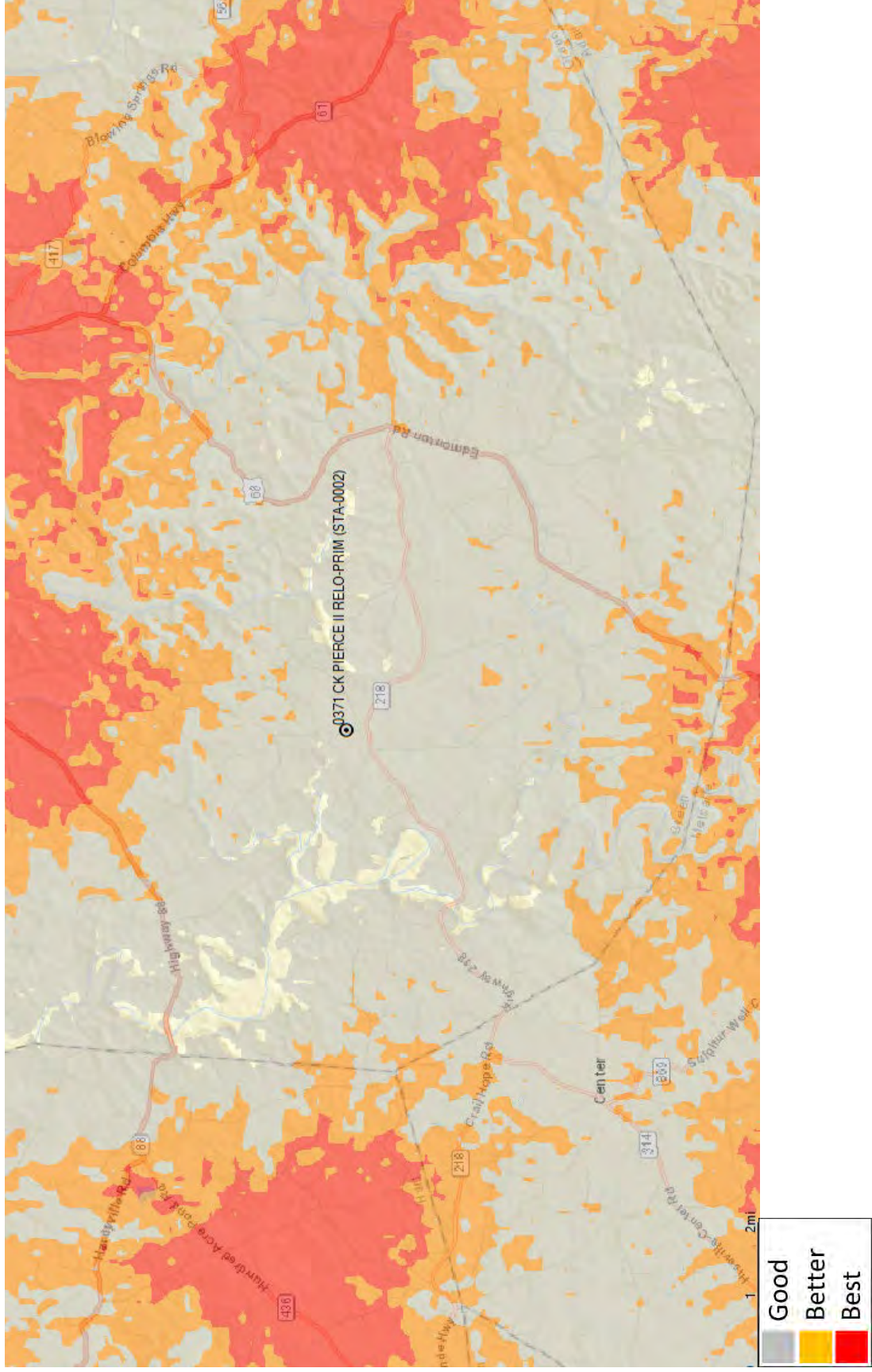
Steven Belcher

Sr RF Engineer

Verizon Wireless

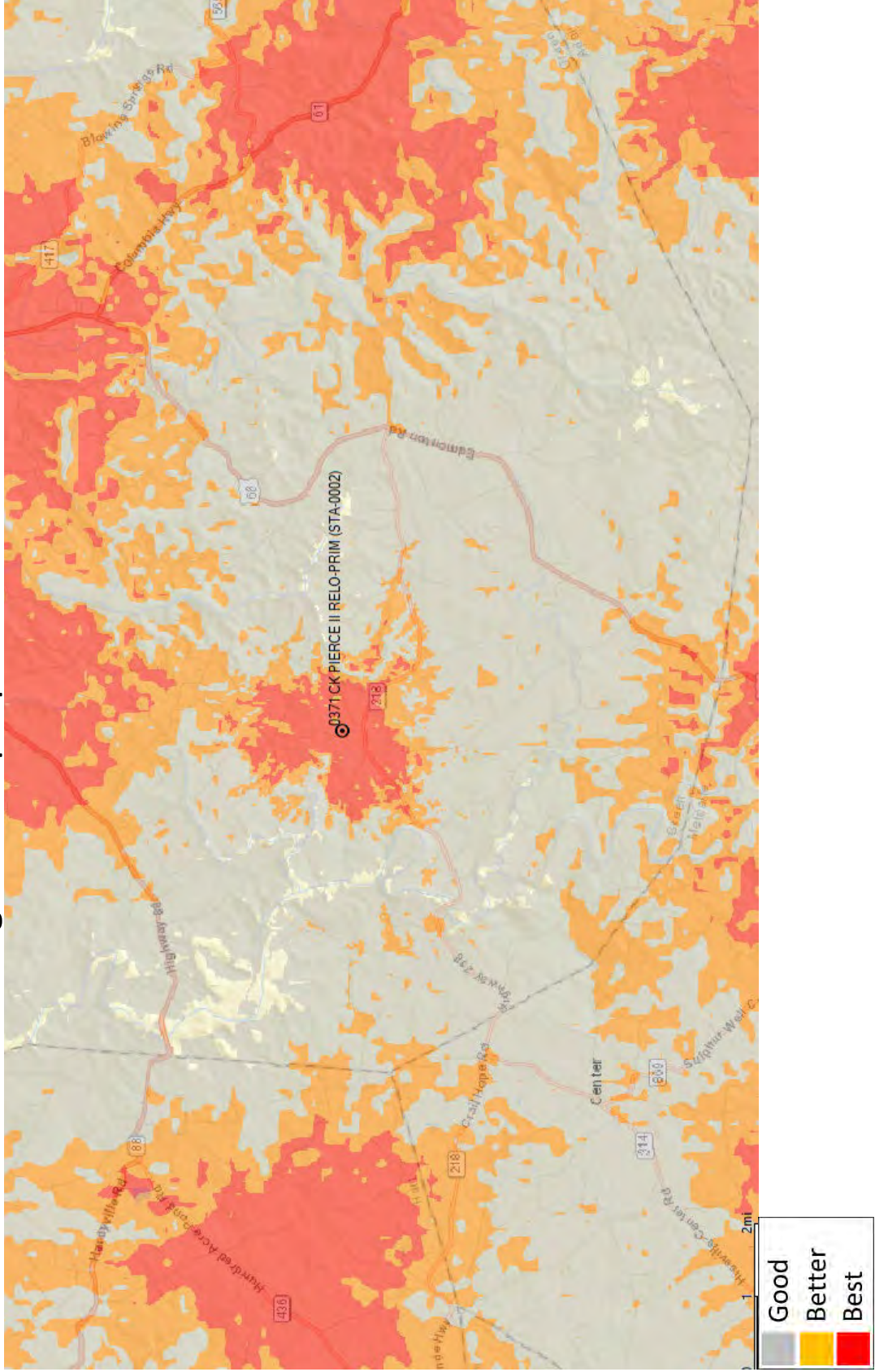


Current Coverage - Without proposed site CK Pierce II





Coverage - With proposed site CK Pierce II



Search Area Map with Arrow Indicating Site

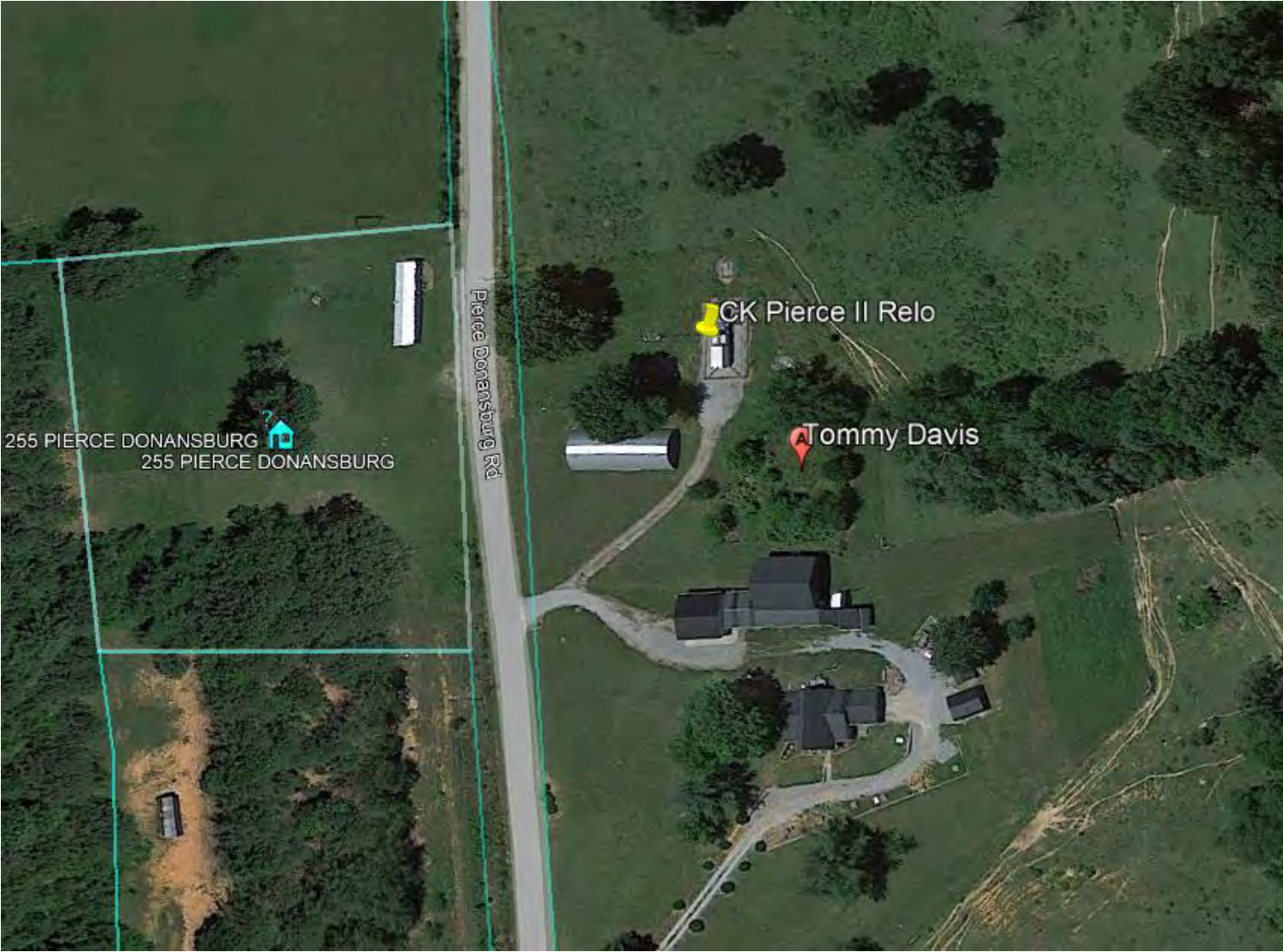


Exhibit T
List and Identity and Qualifications of Professionals

Stephen E. Hunt
Professional Engineer
Kentucky License 25003
Telecad Wireless
1961 Northpoint Blvd.
Suite 130
Hixson, TN 3734

Travis L. Shields
Professional Land Surveyor
Kentucky License 4246
The Land Consultants
5449 Highway 41
Jasper, TN 37347

F. Geoff Bost
Professional Engineer
Kentucky License 29817
Engineered Tower Solutions, PLLC
3227 Wellington Court
Raleigh, NC 27615

Michael L. Lassiter
Professional Engineer
Kentucky License 24895
Delta Oaks Group
4904 Professional Court, Second Floor
Raleigh, NC 27609

Larry Rhoads
Construction Manager
Verizon Wireless
2421 Holloway Road
Louisville, KY 40299

Steven Belcher
RF Engineer
Verizon Wireless
2421 Holloway Road
Louisville, KY 40299

