

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

In the Matter of:

THE APPLICATION OF)
CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS &)
TAG TOWERS, LLC FOR ISSUANCE OF A CERTIFICATE) CASE NO. 2023-00265
OF PUBLIC CONVENIENCE AND NECESSITY TO)
CONSTRUCT A WIRELESS COMMUNICATIONS)
FACILITY IN THE COMMONWEALTH OF KENTUCKY)
IN THE COUNTY OF METCALFE)

SITE NAME: CUMBERLAND PARKWAY

* * * * *

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

Cellco Partnership, d/b/a Verizon Wireless and TAG Towers, 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 submits 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 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. TAG Towers, LLC, having a local address of 108 Forbes Court, Suite 1
 - c. Richmond, KY 40475
- 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. TAG Towers, LLC is a Delaware general partnership and a copy of the Statement of Good Standing from Delaware, and the Certificate of Authorization is on file with the Secretary of State of Commonwealth of Kentucky and 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 Applicant submits 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-Applicant's FCC Registration and Licenses with Authorization to provide wireless services are attached to this Application or described as part of **Exhibit B**, and the facility will be constructed and operated in accordance with applicable FCC regulations.
- 5. The public convenience and necessity require the construction of the proposed WCF. The construction of the WCF will bring or improve the Co-Applicant's services to an area

currently not served or not adequately served by the Co-Applicants by increasing coverage or capacity and thereby enhancing the public's access to innovative and competitive wireless communications services. A statement from Co-Applicant's RF Design Engineer outlining said need is attached as **Exhibit R** along with Propagation Maps attached as **Exhibit R-a**. 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 on East Fork Road, Edmonton, KY 42129 (37° 01' 52.38" North latitude, 85° 31' 03.08" West longitude), 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 Michael, Shiela, Aimee & Matthew Sexton pursuant to a Deed recorded at Deed Book 158, Page 747 in the office of the County Clerk. The proposed WCF will consist of a 300-foot tall tower, with an approximately 5-foot tall lightning arrestor attached at the top, for a total height of 305-feet. The WCF will also include concrete foundations and a shelter or cabinets to accommodate the placement of the Co-Applicant's radio electronics equipment and appurtenant equipment. The 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 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 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 Applicant's facilities; however, no other suitable or available co-location site was found to be located in the vicinity of the site. A statement from Co-Applicant, Cellco Partnership, d/b/a Verizon Wireless's RF Design Engineer outlining exploration of co-location opportunities is attached as **Exhibit R**.

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

12. A copy of the Kentucky Airport Zoning Commission ("KAZC") Application and Approval to construct the tower is attached as **Exhibit G**.

13. A geotechnical engineering report was performed at the WCF site by FDH Infrastructure Services, 6521 Meridien Drive, Raleigh, NC 27616, dated September 15, 2023 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 S**.

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 S**.

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 S**.

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 21169C0125C, Dated May 3, 2010.

19. **Exhibit K** 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 (according to the records maintained by the County Property Valuation Administrator). Also

attached as **Exhibit L** is the Notification List with screen shots of the PVA records verified and updated using the Metcalfe County PVA on August 3, 2023. **Exhibit K** 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 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 list of the notified property owners, verified on August 3, 2023, using the Metcalfe County Kentucky Property Valuation Administration records and a copy of the form of the notice sent by certified mail to each landowner on August 4, 2023 are attached as **Exhibit L** and **Exhibit M**, respectively. Ten (10) notices were sent to surrounding property owners; to date seven (7) notice green cards have been returned, two (2) notices were returned as undeliverable and USPS tracking indicates that one (1) notice was delivered on August 7. There are no unaccountable notices. Copies of the mailed envelopes, returned green cards and USPS tracking are included in **Exhibit M**.

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

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 O**.

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 P**.

24. The area of the proposed facility is in the unincorporated area of Metcalfe County, Kentucky. The site is approximately 7.7 miles northeast of Edmonton, KY. The area is wooded and rural in nature with a scattering of residential properties. The terrain in this area is hilly. There is no zoning or Plan Commission in Metcalfe County. The general area where the proposed facility is proposed is open area and, removed a significant distance from any residential structures. The nearest residential structure is 517 feet from the proposed tower site.

25. The process that was used by the Co-Applicant's radio frequency engineers in selecting the site for the proposed WCF was consistent with the general process used for selecting all other existing and proposed WCF facilities within the proposed network design area. 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 Applicant when searching for sites for its antennas that would provide the coverage deemed

necessary by the Applicant. A map of the area in which the tower is proposed to be located which is drawn to scale and clearly depicts the necessary search area within which the site should be located pursuant to radio frequency requirements is attached as **Exhibit Q**.

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

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

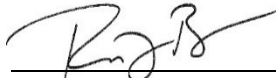
28. All Exhibits to this Application are hereby incorporated by reference as if fully set out as part of the Application.

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

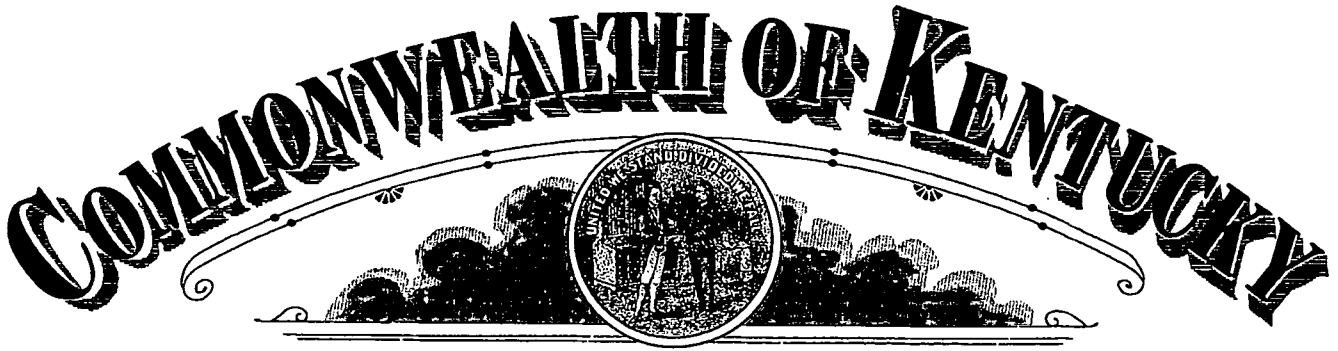
Email: rbrown@clarkquinnlaw.com

Attorney for Cellco Partnership d/b/a Verizon Wireless

Dated : November 15, 2023

LIST OF EXHIBITS

- A Applicant Entity
- 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, Corporations, or Persons List
And Map of Like Facilities in Vicinity
- F FAA Application and Determination of No Hazard
- G KAZC Application and Approval
- H Geotechnical Report
- I Directions to WCF Site
- J Copy of Real Estate Agreement
- K 500' Radius and Abutters Map with Surveyor Certification
- L Notification Listing with PVA Verification
- M Copy of Property Owner Notification
- N Copy of County Judge/Executive notice
- O Copy of Posted Notices
- P Copy of Newspaper Legal Notice Advertisement
- Q Copy of Radio Frequency Design Search Area
- R Copy of RF Design Engineer State of Need
- Ra Propagation Maps
- S List of Qualified Professionals
- T Affidavit of Certification



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. Schapker
Signature
Jane A. Schapker-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

Delaware

Page 1

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.



Jeffrey W. Bullock, Secretary of State

3341134 8300

SR# 20231665976

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

Authentication: 203227418

Date: 04-27-23

Delaware

Page 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "TAG TOWERS 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-SECOND DAY OF AUGUST, A.D. 2023.



6311703 8300

SR# 20233314766

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

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

Authentication: 204019585

Date: 08-22-23



COMMONWEALTH OF KENTUCKY
MICHAEL G. ADAMS, SECRETARY OF STATE

1318088.06 mwellman
ADD
Michael G. Adams
Kentucky Secretary of State
Received and Filed:
10/30/2023 2:59 PM
Fee Receipt: \$90.00

Division of Business Filings P.O. Box 718 Frankfort, KY 40602 (502) 564-3490 www.sos.ky.gov	Certificate of Authority (Foreign Business Entity)	FBE
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Pursuant to the provisions of KRS 14A – 030 the undersigned hereby applies for authority to transact business in Kentucky on behalf of the entity named below and, for that purpose, submits the following statements:

1. The entity is a:
- | | | |
|--|---|---|
| <input type="checkbox"/> profit corporation | <input type="checkbox"/> nonprofit corporation | <input type="checkbox"/> professional limited liability company |
| <input type="checkbox"/> business trust | <input checked="" type="checkbox"/> limited liability company | <input type="checkbox"/> statutory trust |
| <input type="checkbox"/> limited partnership | <input type="checkbox"/> ltd cooperative association | <input type="checkbox"/> public benefit corporation |
| <input type="checkbox"/> non-profit llc | <input type="checkbox"/> professional service corporation | <input type="checkbox"/> other |

2. The name of the entity is TAG Towers LLC
 (The name must be identical to the name on record with the Secretary of State.)

3. The name of the entity to be used in Kentucky is (if applicable): _____
 (Only provide if "real name" is unavailable for use; otherwise, leave blank.)

4. The state or country under whose law the entity is organized is Delaware

5. The date of organization is 2/09/2017 and the period of duration is _____
 (If left blank, duration is considered perpetual.)

6. The mailing address of the entity's principal office is
1905 Woodstock Road Suite 2100 Roswell GA 30075
Street Address **City** **State** **Zip Code**

7. The street address of the entity's registered office in Kentucky is
108 Forbes Court Richmond KY 40475
Street Address (No P.O. Box Numbers) **City** **State** **Zip Code**

and the name of the registered agent at that office is David Ginter

8. The names and business addresses of the entity's representatives (secretary, officers and directors, managers, trustees or general partners):

Name	Street or P.O. Box	City	State	Zip Code
Mark Gergel	1905 Woodstock Road Suite 2100	Roswell	GA	30075
David Ginter	108 Forbes Court	Richmond	KY	40475
Richie Pennington	108 Forbes Court	Richmond	KY	40475

9. If a professional service corporation, all the individual shareholders, not less than one half (1/2) of the directors, and all of the officers other than the secretary and treasurer are licensed in one or more states or territories of the United States or District of Columbia to render a professional service described in the statement of purposes of the corporation.

10. I certify that, as of the date of filing this application, the above-named entity validly exists under the laws of the jurisdiction of its formation.

11. If a limited partnership, it elects to be a limited liability limited partnership. Check the box if applicable:

12. If a limited liability company, check box if manager-managed:

13. This application will be effective upon filing.

<u>David Ginter</u> Digitally signed by David Ginter Date: 2023.10.24 08:35:33 -0400	<u>David Ginter, President and Owner</u>	<u>10/23/2023</u>
Signature of Authorized Representative	Printed Name & Title	Date

I, David Ginter, consent to serve as the registered agent on behalf of the business entity.
 Type/Print Name of Registered Agent

<u>David Ginter</u> Digitally signed by David Ginter Date: 2023.10.24 07:44:48 -0400	<u>David Ginter</u>	<u>President</u>	<u>10/23/2023</u>
Signature of Registered Agent	Printed Name	Title	Date



Antenna Structure Registration

[FCC > WTB](#) > [ASR](#) > [Online Systems](#) > ASR Search

ASR Application Search

Application A1223889

[New Search](#) [Return to Results](#) [Printable Page](#) [Reference Copy](#) [Map Application](#)

[FCC Site Map](#)

[? HELP](#)

Application Detail

File Number A1223889 Constructed
 Registration Number Dismantled
 NEPA No

Application Information

Status Pending Date Received 09/15/2023
 Purpose Amendment Entered 09/15/2023
 Mode Interactive

Antenna Structure

Structure Type LTOWER - Lattice Tower
Location (in NAD83 Coordinates - [Convert to NAD27](#))
 Lat/Long 37-01-52.3 N 085-31-03.0 W
 City, State Edmonton , KY
 Zip 42129
 Center of AM Array Address East Fork Road
 County METCALFE
 Position of Tower in Array METCALFE

Heights (meters)

Elevation of Site Above Mean Sea Level Overall Height Above Ground (AGL) 93.0
 Overall Height Above Mean Sea Level Overall Height Above Ground w/o Appurtenances 91.4
 Overall Height Above Ground w/o Appurtenances 91.4

Proposed Marking and/or Lighting

FAA Style A



FAA Notification

FAA Study

FAA Issue Date

Owner & Contact Information

FRN 0003290673

Owner Entity Type General Partnership

Owner

Cellco Partnership
 Attention To: Network Regulatory
 5055 North Point Pkwy
 NP2NE Network Engineering
 Alpharetta , GA 30022

P: (770)797-1070

F:

E: Network.Regulatory@verizonwireless.com

Contact

Manager , Regulatory
 Attention To: Network Regulatory
 5055 North Point Pkwy
 NP2NE Network Engineering
 Alpharetta , GA 30022

P: (770)797-1070

F:

E: Network.Regulatory@verizonwireless.com

Environmental Compliance

Does the applicant request a Waiver of the Commission's rules for environmental notice?

Is the applicant submitting an Environmental Assessment?

No

No

Is another Federal Agency taking responsibility for environmental review?

Does the applicant certify to No Significant Environmental Effect pursuant to Section

No

Reason for another Federal Agency taking responsibility for environmental review

Basis for Certification

Name of Federal Agency

Local Notice Date

National Notice Date

12/30/2022

Certification

Authorized Party Le Scanve, Christophe

Authorized Representative

Receipt Date

09/15/2023

Comments**Comments**

None

History

Event

09/15/2023 Application Resubmitted
08/08/2023 Return Letter Sent
08/05/2023 Application Returned

[All History_\(4\)](#)

Trans Log

Requested Value

Existing Value

Description

None

Pleadings

Pleading Type

None

Filer Name

Description

Date Entered

Automated Letters

Date

None

Description

Attachments

Type

None

Date Entered

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Federal Communications Commission
45 L Street NE
Washington, DC 20554

Phone: 1-877-480-3201
TTY: 1-717-338-2824
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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 KNKN814	File Number 0009262182
Radio Service CL - Cellular	
Market Numer CMA447	Channel Block B
Sub-Market Designator 0	

FCC Registration Number (FRN): 0003290673

Market Name Kentucky 5 - Barren

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	37-06-37.0 N	085-58-40.0 W	320.0	82.3	1205611

Address: Prewitt's Knob, 4.8 km WSW of

City: CAVE CITY County: BARREN 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)	177.600	194.100	184.800	162.400	189.800	184.600	178.000	165.400
Transmitting ERP (watts)	116.290	30.310	1.400	0.270	0.270	0.270	0.700	31.720

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)	177.600	194.100	184.800	162.400	189.800	184.600	178.000	165.400
Transmitting ERP (watts)	0.710	17.400	93.440	120.380	32.400	3.090	0.300	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)	177.600	194.100	184.800	162.400	189.800	184.600	178.000	165.400
Transmitting ERP (watts)	1.200	0.310	0.310	4.010	35.100	128.660	96.240	16.600

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: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
2	37-03-16.0 N	085-05-15.0 W	335.3	66.4	1060800

Address: 1.6 km WNW of intersec. of Cumberland Pkwy & US Hwy 127

City: RUSSELL SPRINGS County: RUSSELL 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)	111.300	101.700	102.100	123.200	116.700	113.000	135.800	103.700
Transmitting ERP (watts)	157.100	105.670	17.850	1.800	0.480	4.050	25.570	109.870

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)	111.300	101.700	102.100	123.200	116.700	113.000	135.800	103.700
Transmitting ERP (watts)	7.280	10.650	18.520	10.350	23.010	5.410	0.740	1.090

Antenna: 4

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	113.000	101.700	102.100	123.200	116.700	113.000	135.800	103.700
Transmitting ERP (watts)	4.030	0.340	2.430	11.890	72.190	167.790	144.670	35.900

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
3	37-19-27.0 N	085-55-08.0 W	288.0	82.3	1043058

Address: DIVIDING RIDGE; 5.6 km NNW of

City: MUNFORDVILLE County: HART 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)	124.200	120.700	125.700	160.200	151.900	137.900	133.400	146.300
Transmitting ERP (watts)	91.350	124.410	70.660	14.380	1.420	0.610	6.040	27.050

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)	124.200	120.700	125.700	160.200	151.900	137.900	133.400	146.300
Transmitting ERP (watts)	1.140	6.890	50.200	154.120	159.580	51.140	6.200	0.410

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)	124.200	120.700	125.700	160.200	151.900	137.900	133.400	146.300
Transmitting ERP (watts)	27.250	2.690	0.340	1.880	14.510	77.820	164.920	130.790

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
4	36-58-37.0 N	085-53-48.0 W	267.0	128.9	1202695

Address: Temple Hill Road, 6.7 mi southeast of Glasgow Municipal Airport

City: GLASGOW County: BARREN 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)	113.000	94.500	72.300	103.400	109.800	145.800	136.400	121.300
Transmitting ERP (watts)	74.230	41.180	7.090	0.410	0.310	0.390	7.600	43.080

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)	165.400	147.000	124.700	155.800	162.300	198.300	188.800	173.800
Transmitting ERP (watts)	1.760	14.820	66.340	80.440	26.520	3.020	0.330	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)	113.000	94.500	72.300	103.400	109.800	145.800	136.400	121.300
Transmitting ERP (watts)	1.270	0.300	0.410	2.910	34.430	104.650	82.670	15.310

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
5	36-53-50.0 N	084-57-27.0 W	294.1	128.0	1200492

Address: Lake Cumberland, 11.3 km NW of

City: MONTICELLO County: WAYNE 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)	120.400	125.800	96.900	52.400	95.800	123.100	148.300	129.500
Transmitting ERP (watts)	90.910	34.180	4.210	0.270	0.310	1.110	14.630	66.270

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)	120.400	125.800	96.900	52.400	95.800	123.100	148.300	129.500
Transmitting ERP (watts)	0.830	14.810	83.280	102.460	28.880	2.520	0.320	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)	120.400	125.800	96.900	52.400	95.800	123.100	148.300	129.500
Transmitting ERP (watts)	3.460	0.270	1.950	8.860	44.980	98.820	85.200	24.700

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
6	36-59-41.0 N	085-33-38.0 W	310.0	128.0	1043059

Address: Hickory Ridge

City: Edmonton County: METCALFE 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)	158.100	156.900	114.200	137.500	150.900	131.600	139.600	152.400
Transmitting ERP (watts)	81.690	152.110	56.510	6.340	0.340	0.360	0.450	11.810

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)	158.100	156.900	114.200	137.500	150.900	131.600	139.600	152.400
Transmitting ERP (watts)	0.370	0.580	15.570	95.970	145.260	45.940	4.810	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)	158.100	156.900	114.200	137.500	150.900	131.600	139.600	152.400
Transmitting ERP (watts)	13.870	0.940	0.340	0.390	4.390	49.220	145.260	93.790

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
7	36-43-21.4 N	085-07-37.2 W	410.8	77.7	1239784

Address: On Mountain Lane

City: Albany County: CLINTON 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)	224.400	172.000	96.100	151.900	211.500	206.300	193.800	200.600
Transmitting ERP (watts)	214.860	95.980	11.540	0.590	0.480	0.570	12.360	100.500

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)	224.400	172.000	96.100	151.900	211.500	206.300	193.800	200.600
Transmitting ERP (watts)	1.150	28.320	152.110	195.960	52.740	5.040	0.480	0.550

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)	224.400	172.000	96.100	151.900	211.500	206.300	193.800	200.600
Transmitting ERP (watts)	1.910	0.480	0.570	4.190	56.510	195.960	152.110	25.240

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
8	36-41-54.0 N	085-41-07.0 W	286.5	90.2	1065560

Address: 403 Martin Subdivision

City: Tompkinsville County: MONROE 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)	82.200	93.700	157.900	97.200	83.000	115.700	100.900	88.500
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)	82.200	93.700	157.900	97.200	83.000	115.700	100.900	88.500
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)	82.200	93.700	157.900	97.200	83.000	115.700	100.900	88.500
Transmitting ERP (watts)	1.070	0.260	0.340	2.530	33.930	116.960	90.270	14.390

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
9	36-42-45.0 N	084-29-53.0 W	388.0	128.0	1043060

Address: 2.7 KM SOUTHWEST OF

City: Whitley City County: MCCRERY 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)	115.300	140.200	111.300	77.100	88.000	150.900	147.400	183.900
Transmitting ERP (watts)	130.970	169.690	43.870	4.120	0.380	0.470	1.010	24.530

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)	115.300	140.200	111.300	77.100	88.000	150.900	147.400	183.900
Transmitting ERP (watts)	0.500	3.670	49.220	169.690	130.970	20.880	1.560	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)	115.300	140.200	111.300	77.100	88.000	150.900	147.400	183.900
Transmitting ERP (watts)	9.490	0.470	0.380	0.490	10.890	86.030	187.140	82.160

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
10	37-07-32.0 N	085-18-48.0 W	243.2	128.0	1043061

Address: 2.1 KM North of

City: COLUMBIA County: ADAIR 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)	98.900	97.600	62.700	93.000	69.900	86.900	132.000	98.600
Transmitting ERP (watts)	239.640	126.580	20.700	2.100	0.480	2.050	17.500	119.190

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)	98.900	97.600	62.700	93.000	69.900	86.900	132.000	98.600
Transmitting ERP (watts)	3.050	25.240	104.080	134.110	50.730	6.640	0.400	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)	98.900	97.600	62.700	93.000	69.900	86.900	132.000	98.600
Transmitting ERP (watts)	3.170	0.300	0.350	6.140	45.530	132.880	110.500	28.320

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
11	36-47-11.0 N	085-23-02.0 W	261.5	96.0	1040490

Address: 0.8 KM WEST OF

City: BURKESVILLE County: CUMBERLAND 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)	109.300	130.200	87.400	84.800	79.600	143.200	144.000	116.600
Transmitting ERP (watts)	44.180	161.980	121.160	20.900	1.520	0.390	0.390	5.050

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)	109.300	130.200	87.400	84.800	79.600	143.200	144.000	116.600
Transmitting ERP (watts)	0.560	1.140	15.410	114.810	250.130	112.190	13.700	0.800

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)	109.300	130.200	87.400	84.800	79.600	143.200	144.000	116.600
Transmitting ERP (watts)	42.590	4.040	0.390	0.390	2.230	22.340	121.440	153.980

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
12	36-59-14.9 N	085-04-03.0 W	300.2	77.4	1249806

Address: 263 N. Main St. (KY13172-A)

City: JAMESTOWN County: RUSSELL 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)	57.700	75.100	111.400	128.200	123.100	114.300	81.000	84.000
Transmitting ERP (watts)	131.780	61.330	9.560	0.760	0.650	5.540	28.840	110.190

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)	57.700	75.100	111.400	128.200	123.100	114.300	81.000	84.000
Transmitting ERP (watts)	6.950	33.550	98.830	109.490	46.690	7.510	0.630	0.950

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)	57.700	75.100	111.400	128.200	123.100	114.300	81.000	84.000
Transmitting ERP (watts)	3.530	0.270	2.170	9.880	52.760	110.760	95.040	27.210

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
13	36-48-31.1 N	084-50-43.5 W	466.6	61.0	1004214

Address: 3.2 KM SSE OF

City: MONTICELLO County: WAYNE 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)	228.300	178.600	196.200	196.600	182.100	180.800	223.600	233.200
Transmitting ERP (watts)	83.280	46.200	7.950	0.460	0.350	0.440	8.520	48.340

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)	228.300	178.600	196.200	196.600	182.100	180.800	223.600	233.200
Transmitting ERP (watts)	1.990	19.910	108.240	137.240	37.950	3.600	0.350	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)	228.300	178.600	196.200	196.600	182.100	180.800	223.600	233.200
Transmitting ERP (watts)	1.460	0.330	0.430	3.080	30.780	77.930	65.130	15.620

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
15	36-48-09.1 N	085-49-35.8 W	307.8	128.0	1215547

Address: Within the City Limits of

City: Mt. Hermon County: MONROE 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)	162.800	133.200	119.800	115.200	131.300	145.600	162.100	140.800
Transmitting ERP (watts)	232.350	122.730	20.070	2.030	0.470	1.980	16.970	115.570

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)	162.800	133.200	119.800	115.200	131.300	145.600	162.100	140.800
Transmitting ERP (watts)	4.690	38.790	159.940	206.090	77.960	10.200	0.610	0.470

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)	162.800	133.200	119.800	115.200	131.300	145.600	162.100	140.800
Transmitting ERP (watts)	3.360	0.320	0.370	6.500	48.220	140.750	117.050	30.000

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
16	37-11-42.5 N	085-57-13.0 W	267.6	99.1	1224165

Address: Highway 31 E

City: Horse Cave County: HART 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)	140.200	157.200	137.200	138.800	124.400	106.600	128.000	139.900
Transmitting ERP (watts)	70.890	131.990	49.040	5.500	0.300	0.310	0.390	10.250

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)	140.200	157.200	137.200	138.800	124.400	106.600	128.000	139.900
Transmitting ERP (watts)	0.440	1.350	27.580	128.990	141.440	31.660	2.890	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)	140.200	157.200	137.200	138.800	124.400	106.600	128.000	139.900
Transmitting ERP (watts)	12.040	0.810	0.300	0.340	3.810	42.710	126.050	81.390

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
17	36-53-08.5 N	086-01-21.5 W	219.5	77.7	1229912

Address: Barren River Lake, 1450 meters southeast of

City: Lucas County: BARREN 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)	82.400	76.400	65.300	73.600	82.100	72.000	115.600	93.200
Transmitting ERP (watts)	64.900	199.280	206.330	66.120	8.020	0.530	1.470	8.910

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)	82.400	76.400	65.300	73.600	82.100	72.000	115.600	93.200
Transmitting ERP (watts)	0.430	2.430	18.770	100.610	213.240	169.110	35.230	3.480

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)	82.400	76.400	65.300	73.600	82.100	72.000	115.600	93.200
Transmitting ERP (watts)	115.020	18.140	1.460	0.580	6.420	36.290	153.840	208.960

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
18	37-04-08.3 N	084-59-07.6 W	301.8	58.0	

Address: Russell East, in the town of

City: Salem County: RUSSELL 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)	81.400	40.400	50.100	92.000	90.100	70.500	49.200	57.100
Transmitting ERP (watts)	45.240	155.980	120.380	19.190	1.430	0.350	0.460	3.370

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)	81.400	40.400	50.100	92.000	90.100	70.500	49.200	57.100
Transmitting ERP (watts)	0.350	0.450	10.100	79.080	172.010	75.520	8.720	0.430

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)	81.400	40.400	50.100	92.000	90.100	70.500	49.200	57.100
Transmitting ERP (watts)	40.320	3.780	0.350	0.430	0.920	22.550	120.380	155.980

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
19	37-01-53.2 N	086-02-59.7 W	230.1	53.3	

Address: Barren West, 1.1 km SE of intersection of Route 255 and Cumberland Parkway

City: Bon Ayr County: BARREN 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)	48.000	59.100	62.400	62.000	76.300	71.700	67.700	68.900
Transmitting ERP (watts)	10.930	71.760	174.250	150.580	36.510	3.930	0.360	2.010

Antenna: 4

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	48.000	59.100	62.400	62.000	76.300	71.700	67.700	68.900
Transmitting ERP (watts)	1.660	0.370	3.640	24.330	110.220	166.180	109.490	18.120

Antenna: 5

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	48.000	59.100	62.400	62.000	76.300	71.700	67.700	68.900
Transmitting ERP (watts)	241.800	133.090	20.990	1.690	0.670	7.430	41.990	187.010

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
20	36-59-57.9 N	085-42-14.4 W	304.8	38.1	

Address: Barren East, 1.5 km ESE of

City: Wisdom County: METCALFE 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)	83.800	114.600	79.500	77.500	56.000	94.100	87.900	92.000
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)	83.800	114.600	79.500	77.500	56.000	94.100	87.900	92.000
Transmitting ERP (watts)	3.340	55.130	223.280	203.210	38.060	3.110	0.540	0.700

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)	83.800	114.600	79.500	77.500	56.000	94.100	87.900	92.000
Transmitting ERP (watts)	2.970	0.370	0.470	1.480	30.120	143.340	153.910	33.100

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
21	36-52-38.0 N	085-39-59.1 W	347.5	42.4	

Address: 5 km east of

City: Summer Shade County: METCALFE 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)	137.700	116.600	133.500	131.800	89.700	109.800	135.900	112.700
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)	137.700	116.600	133.500	131.800	89.700	109.800	135.900	112.700
Transmitting ERP (watts)	2.890	26.340	135.690	168.870	47.270	4.440	0.480	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)	137.700	116.600	133.500	131.800	89.700	109.800	135.900	112.700
Transmitting ERP (watts)	1.520	0.370	0.480	3.570	47.930	165.220	127.520	20.330

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
22	37-04-40.6 N	085-10-27.6 W	299.0	86.9	1048811

Address: ADAIR EAST, 7955 RUSSELL SPRINGS ROAD

City: RUSSELL SPRINGS County: ADAIR 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)	102.600	66.400	51.500	64.800	80.000	101.700	115.200	90.300
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)	102.600	66.400	51.500	64.800	80.000	101.700	115.200	90.300
Transmitting ERP (watts)	0.350	5.720	51.470	125.910	71.710	11.750	0.560	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)	102.600	66.400	51.500	64.800	80.000	101.700	115.200	90.300
Transmitting ERP (watts)	4.170	0.300	0.320	0.500	13.510	83.280	126.050	39.860

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
23	37-00-11.8 N	085-55-24.4 W	245.4	79.2	1223174

Address: Glasgow Downtown, 105 Lincoln Road

City: Glasgow County: BARREN 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)	84.400	76.300	52.500	64.900	82.900	99.000	87.700	89.600
Transmitting ERP (watts)	1.130	36.370	134.760	36.800	2.250	0.320	0.320	0.320

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)	84.400	76.300	52.500	64.900	82.900	99.000	87.700	89.600
Transmitting ERP (watts)	0.320	0.320	1.130	30.890	105.820	31.270	2.250	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)	84.400	76.300	52.500	64.900	82.900	99.000	87.700	89.600
Transmitting ERP (watts)	4.260	0.320	0.320	0.320	0.470	22.310	148.580	69.130

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
24	37-02-38.7 N	085-27-43.8 W	296.5	77.7	1242039

Address: Metcalfe East, 8050 Edmonton Road (KY Hwy 80)

City: Edmonton County: ADAIR 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)	161.200	138.700	115.200	99.600	89.500	117.700	121.700	113.100
Transmitting ERP (watts)	19.600	120.820	182.880	57.830	6.060	0.430	0.470	0.730

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)	161.200	138.700	115.200	99.600	89.500	117.700	121.700	113.100
Transmitting ERP (watts)	0.800	0.430	0.480	7.980	74.500	191.490	102.840	13.560

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)	161.200	138.700	115.200	99.600	89.500	117.700	121.700	113.100
Transmitting ERP (watts)	152.110	28.980	2.410	0.430	0.500	2.410	40.010	162.990

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
25	37-16-37.2 N	085-53-34.8 W	190.0	38.0	

Address: Munfordville Downtown, water tank in the town of

City: Munfordville County: HART 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)	63.100	70.030	39.580	9.860	0.660	0.940	8.500	37.380

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	29.900	29.900	29.900
Transmitting ERP (watts)	2.430	11.890	72.190	167.790	144.670	35.900	4.030	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)	29.900	29.900	29.900	29.900	29.900	29.900	29.900	29.900
Transmitting ERP (watts)	17.850	1.800	0.480	4.050	25.570	109.870	157.100	105.670

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
26	36-43-19.8 N	085-57-41.8 W	249.9	35.0	

Address: Fountain Run WT, within the Town of

City: Fountain Run County: MONROE 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)	52.200	29.900	29.900	48.100	45.100	49.200	59.500	79.500
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)	52.200	29.900	29.900	48.100	45.100	49.200	59.500	79.500
Transmitting ERP (watts)	2.930	27.060	138.120	171.340	47.630	4.290	0.480	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)	52.200	29.900	29.900	48.100	45.100	49.200	59.500	79.500
Transmitting ERP (watts)	0.990	0.260	0.290	1.960	27.370	95.990	74.790	12.850

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
27	36-38-51.6 N	085-17-33.1 W	320.0	59.4	

Address: Dale Hollow, 2 km SSE of

City: Frogue County: CUMBERLAND 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)	113.600	98.300	103.500	120.600	143.900	175.000	143.400	133.400
Transmitting ERP (watts)	142.380	46.500	4.580	0.370	0.300	1.790	16.850	97.650

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)	113.600	98.300	103.500	120.600	143.900	175.000	143.400	133.400
Transmitting ERP (watts)	0.260	13.660	49.610	13.050	0.700	0.190	0.190	0.190

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)	113.600	98.300	103.500	120.600	143.900	175.000	143.400	133.400
Transmitting ERP (watts)	0.310	0.190	0.190	0.190	0.680	23.200	45.240	7.010

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
28	37-23-18.7 N	085-45-39.7 W	238.7	77.7	1263443

Address: Jonesville, 3182 Pikeview Road

City: Magnolia County: HART 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)	68.600	45.100	99.400	107.600	113.700	79.200	87.100	75.400
Transmitting ERP (watts)	112.340	72.530	10.730	0.730	0.260	0.300	3.390	38.070

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)	68.600	45.100	99.400	107.600	113.700	79.200	87.100	75.400
Transmitting ERP (watts)	0.350	9.130	63.170	117.640	43.710	4.900	0.260	0.280

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)	68.600	45.100	99.400	107.600	113.700	79.200	87.100	75.400
Transmitting ERP (watts)	2.040	0.260	0.310	0.960	19.520	91.310	100.120	22.420

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
29	37-07-44.7 N	085-02-39.7 W	324.0	77.7	1257754

Address: Sycamore Flat, 309 Damon Creek Spur Road

City: Russell Springs County: RUSSELL 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)	123.600	130.100	81.100	103.900	102.600	103.500	107.800	130.600
Transmitting ERP (watts)	49.220	131.570	80.750	12.800	0.910	0.380	0.430	6.130

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)	123.600	130.100	81.100	103.900	102.600	103.500	107.800	130.600
Transmitting ERP (watts)	0.260	0.280	4.180	40.380	104.990	56.880	7.760	0.470

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)	123.600	130.100	81.100	103.900	102.600	103.500	107.800	130.600
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.
30	36-40-50.0 N	084-25-12.0 W	429.8	55.0	

Address: Pine Knot WT, 3.7 km NE of

City: Pine Knot County: MCCREARY 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)	129.900	144.800	120.800	61.600	48.300	104.400	142.100	119.500
Transmitting ERP (watts)	34.460	120.850	94.160	16.180	1.240	0.330	0.360	2.470

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)	129.900	144.800	120.800	61.600	48.300	104.400	142.100	119.500
Transmitting ERP (watts)	0.330	0.370	7.250	61.030	131.990	61.030	7.420	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)	129.900	144.800	120.800	61.600	48.300	104.400	142.100	119.500
Transmitting ERP (watts)	33.670	3.250	0.330	0.350	0.710	16.940	92.010	120.850

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
31	37-11-40.7 N	085-20-55.2 W	250.5	77.7	1268209

Address: Cane Valley, 1600 Farris Road

City: Columbia County: ADAIR 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)	87.700	83.900	79.000	67.800	85.300	97.600	112.100	124.200
Transmitting ERP (watts)	33.690	28.880	6.680	0.500	0.270	0.720	7.520	29.560

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)	87.700	83.900	79.000	67.800	85.300	97.600	112.100	124.200
Transmitting ERP (watts)	1.670	19.770	92.360	113.930	32.500	3.360	0.270	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)	87.700	83.900	79.000	67.800	85.300	97.600	112.100	124.200
Transmitting ERP (watts)	1.070	0.280	0.270	3.570	31.280	114.670	85.770	14.800

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
32	37-18-59.5 N	086-03-19.7 W	277.4	50.0	

Address: Cub Run WT, 1.25 km NNE of

City: Cub Run County: HART 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)	120.300	94.100	62.500	94.500	93.900	94.900	119.500	122.500
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)	120.300	94.100	62.500	94.500	93.900	94.900	119.500	122.500
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)	120.300	94.100	62.500	94.500	93.900	94.900	119.500	122.500
Transmitting ERP (watts)	1.320	0.330	0.390	2.890	38.950	135.070	104.850	17.400

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
33	36-57-06.3 N	084-49-13.8 W	251.1	91.1	1203422

Address: Conley Bottom, 13.3 km North of

City: Monticello County: WAYNE 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	48.500	30.900	29.900	29.900	46.300	82.000	44.500
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)	29.900	48.500	30.900	29.900	29.900	46.300	82.000	44.500
Transmitting ERP (watts)	2.050	18.640	96.060	119.550	33.460	3.140	0.340	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)	29.900	48.500	30.900	29.900	29.900	46.300	82.000	44.500
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.
34	36-38-23.0 N	085-46-38.0 W	271.3	45.0	

Address: Gamaliel WT, 1.75 km East of

City: Gamaliel County: MONROE 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)	45.300	35.300	29.900	36.900	61.400	52.700	77.300	68.100
Transmitting ERP (watts)	263.850	136.600	17.700	1.020	0.540	0.670	11.130	103.240

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)	45.300	35.300	29.900	36.900	61.400	52.700	77.300	68.100
Transmitting ERP (watts)	5.290	57.720	173.330	110.860	15.750	1.050	0.370	0.470

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)	45.300	35.300	29.900	36.900	61.400	52.700	77.300	68.100
Transmitting ERP (watts)	9.240	0.460	0.370	0.480	10.610	83.760	182.210	79.990

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
35	36-50-27.1 N	084-28-44.2 W	425.5	79.6	1233359

Address: 165 HWY 90 (KY13162-A)

City: Parkers Lake County: MCCREARY 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)	163.500	149.600	145.400	136.000	86.200	163.400	148.700	171.200
Transmitting ERP (watts)	2.890	33.620	100.380	66.750	9.990	0.680	0.260	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)	163.500	149.600	145.400	136.000	86.200	163.400	148.700	171.200
Transmitting ERP (watts)	0.260	0.260	0.330	7.940	56.880	104.990	40.380	4.580

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)	163.500	149.600	145.400	136.000	86.200	163.400	148.700	171.200
Transmitting ERP (watts)	20.870	16.620	3.640	0.420	0.450	1.630	14.750	20.590

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
36	36-59-34.1 N	084-56-03.7 W	291.7	77.7	1259175

Address: Alligator, 15.3 km southeast of

City: Russell Springs County: RUSSELL 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	59.700	88.000	102.000	98.600	134.200	90.900	67.000
Transmitting ERP (watts)	152.110	67.940	8.170	0.420	0.340	0.400	8.750	71.150

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	59.700	88.000	102.000	98.600	134.200	90.900	67.000
Transmitting ERP (watts)	0.690	14.430	63.180	78.560	25.130	2.880	0.260	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)	54.100	59.700	88.000	102.000	98.600	134.200	90.900	67.000
Transmitting ERP (watts)	1.140	0.260	0.340	2.400	26.930	78.560	63.180	12.860

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
37	37-19-35.7 N	085-45-55.6 W	227.1	77.7	1257254

Address: 5553 North Jackson Highway

City: Munfordville County: HART 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)	51.400	77.900	102.200	109.800	95.200	105.800	54.500	60.400
Transmitting ERP (watts)	122.700	78.480	11.150	0.740	0.260	0.340	3.750	40.860

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)	51.400	77.900	102.200	109.800	95.200	105.800	54.500	60.400
Transmitting ERP (watts)	0.280	0.380	9.920	69.800	128.750	47.020	5.070	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)	51.400	77.900	102.200	109.800	95.200	105.800	54.500	60.400
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.
38	36-47-19.7 N	084-28-52.0 W	407.2	77.7	1258597

Address: Flat Rock, 72 Bryant Mill Road

City: Whitley City County: MCCREARY 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)	126.900	132.400	146.800	120.400	90.700	160.300	195.600	179.100
Transmitting ERP (watts)	100.380	66.750	9.990	0.680	0.260	0.280	2.890	33.620

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)	126.900	132.400	146.800	120.400	90.700	160.300	195.600	179.100
Transmitting ERP (watts)	0.260	0.410	10.460	65.230	100.380	32.860	3.400	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)	126.900	132.400	146.800	120.400	90.700	160.300	195.600	179.100
Transmitting ERP (watts)	5.900	0.320	0.260	0.290	5.760	48.480	104.840	48.480

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
39	36-53-52.1 N	084-47-02.5 W	353.6	94.2	1238700

Address: Wayne NE, RR 2, Box 9516 (KY13178-A)

City: Monticello County: WAYNE 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)	152.800	156.600	111.800	106.100	61.800	118.700	147.100	144.800
Transmitting ERP (watts)	73.090	95.990	26.740	2.580	0.260	0.270	0.570	13.450

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)	152.800	156.600	111.800	106.100	61.800	118.700	147.100	144.800
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	36-48-41.0 N	085-07-47.0 W	297.2	91.1	1063507

Address: Grider Hill, in the City of

City: ALBANY County: CLINTON 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)	139.900	128.800	89.600	29.900	76.500	89.400	129.500	148.400
Transmitting ERP (watts)	187.140	82.160	9.490	0.470	0.380	0.490	10.890	86.030

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)	139.900	128.800	89.600	29.900	76.500	89.400	129.500	148.400
Transmitting ERP (watts)	1.010	24.530	130.970	169.690	43.870	4.120	0.380	0.470

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)	139.900	128.800	89.600	29.900	76.500	89.400	129.500	148.400
Transmitting ERP (watts)	1.560	0.380	0.500	3.670	49.220	169.690	130.970	20.880

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
41	36-50-24.2 N	085-56-34.3 W	236.8	77.7	1267267

Address: Cooktown, 47 Pitcock School Road

City: Austin County: BARREN 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)	102.100	83.800	69.100	67.600	75.700	91.300	106.100	110.000
Transmitting ERP (watts)	44.890	155.660	120.830	20.050	1.520	0.380	0.450	3.330

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
41	36-50-24.2 N	085-56-34.3 W	236.8	77.7	1267267

Address: Cooktown, 47 Pitcock School Road

City: Austin County: BARREN 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)	102.100	83.800	69.100	67.600	75.700	91.300	106.100	110.000
Transmitting ERP (watts)	0.260	0.310	6.770	55.020	117.640	52.550	6.320	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)	102.100	83.800	69.100	67.600	75.700	91.300	106.100	110.000
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.
42	37-05-29.1 N	085-36-52.2 W	242.9	77.7	1266731

Address: Sulphur Well, 9037 Greensburg Road

City: Edmonton County: METCALFE 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)	88.600	85.300	71.200	80.200	58.000	51.600	79.800	80.200
Transmitting ERP (watts)	59.300	128.990	56.630	6.540	0.320	0.260	0.340	7.510

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)	88.600	85.300	71.200	80.200	58.000	51.600	79.800	80.200
Transmitting ERP (watts)	0.280	0.380	9.920	69.800	128.750	47.020	5.070	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)	88.600	85.300	71.200	80.200	58.000	51.600	79.800	80.200
Transmitting ERP (watts)	18.570	1.520	0.260	0.340	1.630	26.900	108.950	99.160

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
43	37-13-36.2 N	085-48-48.7 W	214.6	77.7	1257256

Address: Bunnell Crossing, 2485 South Jackson Highway

City: Horse Cave County: HART 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)	68.900	94.700	77.500	69.300	79.200	71.800	80.500	77.900
Transmitting ERP (watts)	69.800	128.750	47.020	5.070	0.260	0.280	0.380	9.920

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
43	37-13-36.2 N	085-48-48.7 W	214.6	77.7	1257256

Address: Bunnell Crossing, 2485 South Jackson Highway

City: Horse Cave County: HART 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)	68.900	94.700	77.500	69.300	79.200	71.800	80.500	77.900
Transmitting ERP (watts)	0.260	0.340	3.750	40.860	122.700	78.480	11.150	0.740

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)	68.900	94.700	77.500	69.300	79.200	71.800	80.500	77.900
Transmitting ERP (watts)	23.430	2.100	0.260	0.330	1.050	21.320	101.470	108.950

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
44	36-45-08.2 N	085-46-41.1 W	307.2	77.7	1263385

Address: Cedar Flats, 5612 Old Glasgow Road

City: Tompkinsville County: MONROE 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)	127.400	99.600	106.800	108.800	139.200	126.700	120.300	112.600
Transmitting ERP (watts)	106.060	51.260	7.470	0.440	0.270	0.880	9.090	54.930

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)	127.400	99.600	106.800	108.800	139.200	126.700	120.300	112.600
Transmitting ERP (watts)	2.230	17.650	79.600	97.130	30.270	3.270	0.390	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)	127.400	99.600	106.800	108.800	139.200	126.700	120.300	112.600
Transmitting ERP (watts)	1.220	0.420	0.270	4.470	33.110	100.320	76.550	15.620

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
45	37-14-29.3 N	085-11-59.5 W	262.4	77.7	1274206

Address: Knifely, Tucker Warren Road

City: Knifley County: ADAIR 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)	68.500	61.000	48.800	63.400	69.100	84.500	114.900	92.200
Transmitting ERP (watts)	114.480	130.660	49.070	6.770	0.450	0.620	5.460	32.920

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
45	37-14-29.3 N	085-11-59.5 W	262.4	77.7	1274206

Address: Knifely, Tucker Warren Road

City: Knifley County: ADAIR 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)	68.500	61.000	48.800	63.400	69.100	84.500	114.900	92.200
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)	68.500	61.000	48.800	63.400	69.100	84.500	114.900	92.200
Transmitting ERP (watts)	0.890	0.350	3.940	22.290	94.500	128.360	70.660	11.140

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
46	37-05-19.7 N	084-54-47.3 W	331.6	106.3	1232264

Address: Font Hill, 1101 Pine Top Road

City: RUSSELL SPRINGS County: RUSSELL 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)	94.800	38.800	79.400	108.300	120.800	98.900	92.100	104.300
Transmitting ERP (watts)	130.640	34.360	1.400	0.270	0.270	0.270	0.700	35.980

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)	94.800	38.800	79.400	108.300	120.800	98.900	92.100	104.300
Transmitting ERP (watts)	10.130	0.720	0.520	5.460	30.020	118.460	146.650	67.150

Antenna: 4

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.800	38.800	79.400	108.300	120.800	98.900	92.100	104.300
Transmitting ERP (watts)	0.270	0.270	0.700	35.980	130.640	34.360	1.400	0.270

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
47	36-58-11.8 N	085-26-00.6 W	343.8	77.7	1261657

Address: Sparksville, 330 Fire Dept Lane

City: Breeding County: ADAIR 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)	174.500	151.700	149.500	180.100	175.600	143.900	152.100	163.400
Transmitting ERP (watts)	63.170	117.640	43.710	4.900	0.260	0.280	0.350	9.130

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
47	36-58-11.8 N	085-26-00.6 W	343.8	77.7	1261657

Address: Sparksville, 330 Fire Dept Lane

City: Breeding County: ADAIR 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)	174.500	151.700	149.500	180.100	175.600	143.900	152.100	163.400
Transmitting ERP (watts)	0.310	0.960	19.520	91.310	100.120	22.420	2.040	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)	174.500	151.700	149.500	180.100	175.600	143.900	152.100	163.400
Transmitting ERP (watts)	6.320	0.320	0.260	0.310	6.770	55.020	117.640	52.550

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
48	37-07-03.1 N	085-52-50.8 W	232.0	77.7	1250179

Address: Barren North, 645 Jack Turner Road

City: Cave City County: BARREN 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)	88.600	97.500	78.800	56.400	66.700	81.000	89.000	73.900
Transmitting ERP (watts)	55.020	117.640	52.550	6.320	0.320	0.260	0.310	6.770

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)	88.600	97.500	78.800	56.400	66.700	81.000	89.000	73.900
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)	88.600	97.500	78.800	56.400	66.700	81.000	89.000	73.900
Transmitting ERP (watts)	44.460	8.510	0.650	0.280	0.460	6.050	35.340	67.700

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
49	37-12-16.2 N	085-44-03.5 W	214.9	77.7	1263048

Address: Pascal, 2510 Hundred Acre Pond Road

City: Hardyville County: HART 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)	97.900	96.700	73.200	62.000	53.400	78.500	81.200	83.500
Transmitting ERP (watts)	101.470	108.950	23.430	2.100	0.260	0.330	1.050	21.320

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
49	37-12-16.2 N	085-44-03.5 W	214.9	77.7	1263048

Address: Pascal, 2510 Hundred Acre Pond Road

City: Hardyville County: HART 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)	97.900	96.700	73.200	62.000	53.400	78.500	81.200	83.500
Transmitting ERP (watts)	0.340	7.510	59.300	128.990	56.630	6.540	0.320	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)	97.900	96.700	73.200	62.000	53.400	78.500	81.200	83.500
Transmitting ERP (watts)	1.520	0.260	0.340	1.630	26.900	108.950	99.160	18.570

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
50	37-03-12.3 N	085-22-03.7 W	261.2	49.1	

Address: Flatwood, 1850 Bliss Road

City: Columbia County: ADAIR 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)	78.200	61.100	61.900	52.600	38.500	29.900	48.000	88.900
Transmitting ERP (watts)	183.340	121.920	18.240	1.250	0.480	0.510	5.290	61.410

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)	78.200	61.100	61.900	52.600	38.500	29.900	48.000	88.900
Transmitting ERP (watts)	3.440	31.560	132.880	120.360	23.780	1.930	0.370	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)	78.200	61.100	61.900	52.600	38.500	29.900	48.000	88.900
Transmitting ERP (watts)	0.330	0.380	0.800	19.520	104.850	135.070	36.350	3.470

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
51	36-45-53.9 N	085-18-31.2 W	198.1	77.7	1257755

Address: Bear Creek, 4888 Albany Road

City: Burkesville County: CUMBERLAND 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	35.900	29.900	29.900	29.900	29.900	82.300	58.000
Transmitting ERP (watts)	9.130	63.170	117.640	43.710	4.900	0.260	0.280	0.350

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
51	36-45-53.9 N	085-18-31.2 W	198.1	77.7	1257755

Address: Bear Creek, 4888 Albany Road

City: Burkesville County: CUMBERLAND 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)	54.100	35.900	29.900	29.900	29.900	29.900	82.300	58.000
Transmitting ERP (watts)	0.250	0.530	4.420	61.030	116.290	16.050	0.380	0.570

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)	54.100	35.900	29.900	29.900	29.900	29.900	82.300	58.000
Transmitting ERP (watts)	2.040	0.260	0.310	0.960	19.520	91.310	100.120	22.420

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
52	36-42-44.7 N	085-21-54.1 W	278.3	77.7	1275245

Address: Burkesville II, Clover Creek Drive

City: Burkesville County: CUMBERLAND 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)	159.000	107.500	71.900	97.500	110.200	122.500	135.900	132.300
Transmitting ERP (watts)	11.530	61.810	130.990	103.880	21.640	2.140	0.270	1.490

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)	159.000	107.500	71.900	97.500	110.200	122.500	135.900	132.300
Transmitting ERP (watts)	0.640	0.460	4.860	26.750	105.570	130.690	59.850	9.030

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)	159.000	107.500	71.900	97.500	110.200	122.500	135.900	132.300
Transmitting ERP (watts)	130.690	59.850	9.030	0.640	0.460	4.860	26.750	105.570

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
53	36-46-19.7 N	084-57-43.8 W	320.0	60.7	

Address: Zula, Route 4 Box 330A

City: Monticello County: WAYNE 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)	98.300	79.400	64.000	29.900	47.800	39.400	81.000	143.200
Transmitting ERP (watts)	80.300	122.700	38.140	3.840	0.260	0.300	0.480	13.100

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
53	36-46-19.7 N	084-57-43.8 W	320.0	60.7	

Address: Zula, Route 4 Box 330A

City: Monticello County: WAYNE 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)	98.300	79.400	64.000	29.900	47.800	39.400	81.000	143.200
Transmitting ERP (watts)	0.340	3.750	40.860	122.700	78.480	11.150	0.740	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)	98.300	79.400	64.000	29.900	47.800	39.400	81.000	143.200
Transmitting ERP (watts)	2.840	0.260	0.330	0.690	16.910	90.270	116.960	30.240

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
54	36-44-16.2 N	085-39-31.8 W	316.4	45.1	1273499

Address: Tompkinsville II, 182 Tom Ford Road

City: Tompkinsville County: MONROE 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)	52.700	96.000	157.600	122.400	67.800	99.700	86.100	98.800
Transmitting ERP (watts)	157.100	105.670	17.850	1.800	0.480	4.050	25.570	109.870

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)	52.700	96.000	157.600	122.400	67.800	99.700	86.100	98.800
Transmitting ERP (watts)	7.940	44.270	150.440	165.870	63.900	9.040	0.700	1.050

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)	52.700	96.000	157.600	122.400	67.800	99.700	86.100	98.800
Transmitting ERP (watts)	4.030	0.340	2.430	11.890	72.190	167.790	144.670	35.900

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
55	37-06-16.0 N	085-26-55.1 W	242.0	77.7	1272696

Address: Milltown, 294 Ben Smith Road

City: Columbia County: ADAIR 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)	95.100	80.000	94.100	60.700	39.400	50.000	64.200	80.400
Transmitting ERP (watts)	124.610	82.100	13.580	1.250	0.280	2.730	18.240	82.650

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
55	37-06-16.0 N	085-26-55.1 W	242.0	77.7	1272696

Address: Milltown, 294 Ben Smith Road

City: Columbia County: ADAIR 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)	95.100	80.000	94.100	60.700	39.400	50.000	64.200	80.400
Transmitting ERP (watts)	5.460	32.920	114.480	130.660	49.070	6.770	0.450	0.620

Antenna: 4

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	95.100	80.000	94.100	60.700	39.400	50.000	64.200	80.400
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.
56	36-49-54.0 N	085-30-26.8 W	259.7	77.4	1263396

Address: Marrowbone, 9970 Glasgow Road (KY 11775-A)

City: Burkesville County: CUMBERLAND 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)	57.500	59.800	109.700	100.500	118.200	69.900	45.800	67.300
Transmitting ERP (watts)	107.290	83.280	13.820	1.050	0.260	0.310	2.290	30.940

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)	57.500	59.800	109.700	100.500	118.200	69.900	45.800	67.300
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)	57.500	59.800	109.700	100.500	118.200	69.900	45.800	67.300
Transmitting ERP (watts)	6.320	0.320	0.260	0.310	6.770	55.020	117.640	52.550

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
57	36-49-02.3 N	084-54-11.6 W	308.8	67.1	1256099

Address: Monticello West, 3.2 km west of

City: Monticello County: WAYNE 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)	100.700	71.600	33.000	29.900	29.900	44.700	87.700	110.900
Transmitting ERP (watts)	13.100	80.300	122.700	38.140	3.840	0.260	0.300	0.480

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
57	36-49-02.3 N	084-54-11.6 W	308.8	67.1	1256099

Address: Monticello West, 3.2 km west of

City: Monticello County: WAYNE 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)	100.700	71.600	33.000	29.900	29.900	44.700	87.700	110.900
Transmitting ERP (watts)	0.260	0.280	0.380	9.920	69.800	128.750	47.020	5.070

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)	100.700	71.600	33.000	29.900	29.900	44.700	87.700	110.900
Transmitting ERP (watts)	73.680	13.650	1.130	0.260	0.370	2.600	30.680	93.270

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
58	37-21-53.4 N	085-59-06.7 W	224.3	77.7	1279268

Address: Priceville, 6465 Raider Hollow Road

City: Munfordville County: HART 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)	86.300	57.200	63.000	84.200	63.900	76.100	93.500	93.100
Transmitting ERP (watts)	122.420	126.750	40.620	4.930	0.330	0.900	5.470	39.870

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)	86.300	57.200	63.000	84.200	63.900	76.100	93.500	93.100
Transmitting ERP (watts)	1.490	11.530	61.810	130.990	103.880	21.640	2.140	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)	86.300	57.200	63.000	84.200	63.900	76.100	93.500	93.100
Transmitting ERP (watts)	11.140	0.890	0.350	3.940	22.290	94.500	128.360	70.660

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
59	36-55-11.8 N	085-46-09.4 W	281.6	60.7	

Address: 640 Spears Road

City: Eighty Eight County: BARREN 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)	73.700	80.500	60.000	52.300	80.600	106.300	140.000	84.000
Transmitting ERP (watts)	83.280	107.290	28.880	2.760	0.260	0.300	0.630	15.510

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
59	36-55-11.8 N	085-46-09.4 W	281.6	60.7	

Address: 640 Spears Road

City: Eighty Eight County: BARREN 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)	73.700	80.500	60.000	52.300	80.600	106.300	140.000	84.000
Transmitting ERP (watts)	0.300	4.900	45.770	117.640	63.170	8.330	0.490	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)	73.700	80.500	60.000	52.300	80.600	106.300	140.000	84.000
Transmitting ERP (watts)	10.730	0.730	0.260	0.300	3.390	38.070	112.340	72.530

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
60	36-47-29.1 N	085-41-06.2 W	304.8	77.7	1258492

Address: Monroe North, 2543 John Eaton Road

City: Tompkinsville County: MONROE 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)	74.500	125.700	119.500	131.700	96.800	116.700	93.400	125.200
Transmitting ERP (watts)	112.340	72.530	10.730	0.730	0.260	0.300	3.390	38.070

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)	74.500	125.700	119.500	131.700	96.800	116.700	93.400	125.200
Transmitting ERP (watts)	0.290	0.450	12.040	74.220	112.340	35.530	3.720	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)	74.500	125.700	119.500	131.700	96.800	116.700	93.400	125.200
Transmitting ERP (watts)	6.320	0.320	0.260	0.310	6.770	55.020	117.640	52.550

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
61	36-53-03.2 N	085-06-05.4 W	287.7	77.7	1254846

Address: Lake Cumberland Dam, 3.2 km south of

City: Freedom County: RUSSELL 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)	74.300	122.800	93.300	119.500	87.000	111.600	154.900	86.500
Transmitting ERP (watts)	170.670	76.240	9.170	0.470	0.380	0.450	9.820	79.830

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
61	36-53-03.2 N	085-06-05.4 W	287.7	77.7	1254846

Address: Lake Cumberland Dam, 3.2 km south of

City: Freedom County: RUSSELL 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)	74.300	122.800	93.300	119.500	87.000	111.600	154.900	86.500
Transmitting ERP (watts)	0.920	22.500	120.830	155.660	41.900	4.000	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)	74.300	122.800	93.300	119.500	87.000	111.600	154.900	86.500
Transmitting ERP (watts)	1.520	0.380	0.450	3.330	44.890	155.660	120.830	20.050

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
62	36-45-30.5 N	085-12-09.6 W	306.6	77.7	1258453

Address: Ida, Route 5, Box 473AA

City: Albany County: CLINTON 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)	153.900	117.200	66.500	76.800	116.300	109.600	166.800	149.300
Transmitting ERP (watts)	78.620	88.210	8.620	0.340	0.240	0.240	0.240	4.520

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)	153.900	117.200	66.500	76.800	116.300	109.600	166.800	149.300
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)	153.900	117.200	66.500	76.800	116.300	109.600	166.800	149.300
Transmitting ERP (watts)	17.800	1.480	0.260	0.310	1.480	24.580	100.120	93.440

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
63	37-00-27.8 N	085-15-14.6 W	286.5	77.7	1278367

Address: 340 J. Brummett Road

City: Glens Fork County: ADAIR 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)	108.300	86.800	79.000	82.200	122.700	100.800	68.500	113.500
Transmitting ERP (watts)	133.000	105.720	22.590	2.360	0.270	1.950	13.040	65.860

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
63	37-00-27.8 N	085-15-14.6 W	286.5	77.7	1278367

Address: 340 J. Brummett Road

City: Glens Fork County: ADAIR 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)	108.300	86.800	79.000	82.200	122.700	100.800	68.500	113.500
Transmitting ERP (watts)	4.510	24.420	99.090	128.840	72.230	11.760	1.030	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)	108.300	86.800	79.000	82.200	122.700	100.800	68.500	113.500
Transmitting ERP (watts)	5.350	0.420	1.180	6.560	42.490	126.600	128.390	42.400

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
64	37-05-35.9 N	086-03-49.8 W	215.2	77.7	1275870

Address: 23190 Louisville Road

City: Park City County: BARREN 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)	71.400	55.000	74.000	71.800	65.900	95.700	105.600	98.500
Transmitting ERP (watts)	57.340	133.270	114.910	28.510	3.200	0.270	1.930	9.450

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)	71.400	55.000	74.000	71.800	65.900	95.700	105.600	98.500
Transmitting ERP (watts)	0.310	1.620	6.890	49.700	131.390	122.590	35.260	4.140

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)	71.400	55.000	74.000	71.800	65.900	95.700	105.600	98.500
Transmitting ERP (watts)	72.230	11.760	1.030	0.510	4.510	24.420	99.090	128.840

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
65	37-04-01.1 N	085-50-36.0 W	249.3	74.4	1250180

Address: Hiseville, 26 Jack Smith Road

City: Glasgow County: BARREN 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)	112.300	98.100	70.600	54.300	71.800	96.100	89.000	109.300
Transmitting ERP (watts)	74.790	99.710	12.510	0.540	0.240	0.240	0.240	5.280

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
65	37-04-01.1 N	085-50-36.0 W	249.3	74.4	1250180

Address: Hiseville, 26 Jack Smith Road

City: Glasgow County: BARREN 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)	112.300	98.100	70.600	54.300	71.800	96.100	89.000	109.300
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)	112.300	98.100	70.600	54.300	71.800	96.100	89.000	109.300
Transmitting ERP (watts)	0.890	0.350	3.940	22.290	94.500	128.360	70.660	11.140

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
66	37-19-28.6 N	085-51-23.6 W	261.5	77.7	1263442

Address: Hinesdale, 785 Kirt Logsdon Road

City: Munfordville County: HART 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)	98.200	83.500	121.800	134.000	140.300	151.300	92.900	107.500
Transmitting ERP (watts)	83.280	107.290	28.880	2.760	0.260	0.300	0.630	15.510

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)	98.200	83.500	121.800	134.000	140.300	151.300	92.900	107.500
Transmitting ERP (watts)	0.350	9.130	63.170	117.640	43.710	4.900	0.260	0.280

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)	98.200	83.500	121.800	134.000	140.300	151.300	92.900	107.500
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.
67	37-10-38.0 N	085-55-14.4 W	280.1	77.7	1267522

Address: Horse Cave Downtown, 413 West Main Street

City: Horse Cave County: HART 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)	144.700	148.100	149.200	139.100	134.300	143.800	130.200	158.900
Transmitting ERP (watts)	2.790	65.390	98.980	12.180	0.450	0.240	0.240	0.240

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File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
67	37-10-38.0 N	085-55-14.4 W	280.1	77.7	1267522

Address: Horse Cave Downtown, 413 West Main Street

City: Horse Cave County: HART 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)	144.700	148.100	149.200	139.100	134.300	143.800	130.200	158.900
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)	144.700	148.100	149.200	139.100	134.300	143.800	130.200	158.900
Transmitting ERP (watts)	39.400	1.890	0.240	0.240	0.240	0.360	22.670	113.640

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
68	37-04-25.0 N	085-42-47.2 W	246.2	77.7	1260710

Address: 243 Harold Poynter Road

City: Knob Lick County: METCALFE 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)	89.000	88.700	80.700	66.000	38.100	60.300	78.700	107.700
Transmitting ERP (watts)	116.290	30.590	1.250	0.240	0.240	0.240	0.620	32.030

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)	89.000	88.700	80.700	66.000	38.100	60.300	78.700	107.700
Transmitting ERP (watts)	12.040	74.220	112.340	35.530	3.720	0.260	0.290	0.450

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)	89.000	88.700	80.700	66.000	38.100	60.300	78.700	107.700
Transmitting ERP (watts)	8.330	0.490	0.260	0.300	4.900	45.770	117.640	63.170

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
69	37-01-03.9 N	085-54-42.3 W	254.8	68.5	1230168

Address: Glasgow II, 156 Robert Bishop Road

City: Glasgow County: BARREN 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)	101.800	97.200	66.700	75.200	101.000	116.100	103.100	98.800
Transmitting ERP (watts)	80.450	63.170	11.630	0.910	0.260	0.260	1.680	22.420

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File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
69	37-01-03.9 N	085-54-42.3 W	254.8	68.5	1230168

Address: Glasgow II, 156 Robert Bishop Road

City: Glasgow County: BARREN 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)	101.800	97.200	66.700	75.200	101.000	116.100	103.100	98.800
Transmitting ERP (watts)	0.510	11.360	61.740	82.330	23.470	2.370	0.260	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)	101.800	97.200	66.700	75.200	101.000	116.100	103.100	98.800
Transmitting ERP (watts)	1.060	0.240	0.240	0.240	2.850	44.210	63.910	11.630

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
70	36-59-35.6 N	085-46-20.7 W	256.3	106.4	1248189

Address: Slick Rock, 1636 Beaver Creek Road

City: Glasgow County: BARREN 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)	93.300	80.400	81.500	50.600	92.700	113.300	106.000	103.200
Transmitting ERP (watts)	13.820	74.230	95.620	25.740	2.460	0.240	0.270	0.560

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)	93.300	80.400	81.500	50.600	92.700	113.300	106.000	103.200
Transmitting ERP (watts)	0.240	0.280	6.030	49.040	104.850	46.830	5.630	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)	93.300	80.400	81.500	50.600	92.700	113.300	106.000	103.200
Transmitting ERP (watts)	10.240	0.670	0.240	0.240	4.070	34.450	104.820	65.670

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
71	36-53-29.8 N	085-50-49.9 W	237.4	60.6	

Address: Temple Hill, 215 Peden-Matthews Road

City: Glasgow County: BARREN 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)	47.300	45.800	38.900	59.200	48.200	58.600	85.800	82.100
Transmitting ERP (watts)	30.940	107.290	83.280	13.820	1.050	0.260	0.310	2.290

Licensee Name: CELLCO PARTNERSHIP

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File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
71	36-53-29.8 N	085-50-49.9 W	237.4	60.6	

Address: Temple Hill, 215 Peden-Matthews Road

City: Glasgow County: BARREN 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)	47.300	45.800	38.900	59.200	48.200	58.600	85.800	82.100
Transmitting ERP (watts)	0.380	0.450	9.820	79.830	170.670	76.240	9.170	0.470

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)	47.300	45.800	38.900	59.200	48.200	58.600	85.800	82.100
Transmitting ERP (watts)	41.900	4.000	0.380	0.440	0.920	22.500	120.830	155.660

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
72	36-50-21.2 N	085-36-18.3 W	268.2	77.7	1261655

Address: Willow Shade, 680 N.C. Hurt Road

City: Tompkinsville County: MONROE 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)	78.200	72.500	122.700	127.900	90.600	44.500	58.900	42.500
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)	78.200	72.500	122.700	127.900	90.600	44.500	58.900	42.500
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)	78.200	72.500	122.700	127.900	90.600	44.500	58.900	42.500
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.
73	36-45-21.5 N	085-03-35.7 W	353.6	78.6	1258266

Address: Cartwright, Old Hwy 90 (KY10655-A)

City: Albany County: CLINTON 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)	156.900	140.200	105.000	45.800	77.300	86.000	132.200	171.200
Transmitting ERP (watts)	131.390	122.590	35.260	4.140	0.310	1.620	6.890	49.700

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
73	36-45-21.5 N	085-03-35.7 W	353.6	78.6	1258266

Address: Cartwright, Old Hwy 90 (KY10655-A)

City: Albany County: CLINTON 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)	156.900	140.200	105.000	45.800	77.300	86.000	132.200	171.200
Transmitting ERP (watts)	2.180	16.200	75.640	129.140	95.070	17.850	1.750	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)	156.900	140.200	105.000	45.800	77.300	86.000	132.200	171.200
Transmitting ERP (watts)	9.560	0.760	0.650	5.540	28.840	110.190	131.780	61.330

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
74	37-05-28.2 N	085-18-03.9 W	251.4	93.2	1228813

Address: Columbia II, 1117 Gaston Ave.

City: Columbia County: ADAIR 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)	84.700	76.800	55.100	72.700	59.500	47.200	97.600	100.900
Transmitting ERP (watts)	3.730	15.320	11.730	14.350	8.940	0.760	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)	84.700	76.800	55.100	72.700	59.500	47.200	97.600	100.900
Transmitting ERP (watts)	0.490	0.260	0.300	4.900	45.770	117.640	63.170	8.330

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)	84.700	76.800	55.100	72.700	59.500	47.200	97.600	100.900
Transmitting ERP (watts)	12.770	12.150	3.620	0.260	0.270	0.520	7.080	13.060

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
75	36-39-32.1 N	085-36-54.3 W	314.6	77.7	1278911

Address: Hestand, 150 H. Spears Road

City: Hestand County: MONROE 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)	126.100	199.100	169.300	169.200	113.100	113.800	129.800	107.000
Transmitting ERP (watts)	124.610	82.100	13.580	1.250	0.280	2.730	18.240	82.650

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
75	36-39-32.1 N	085-36-54.3 W	314.6	77.7	1278911

Address: Hestand, 150 H. Spears Road

City: Hestand County: MONROE 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)	126.100	199.100	169.300	169.200	113.100	113.800	129.800	107.000
Transmitting ERP (watts)	0.230	4.050	48.030	38.780	3.370	0.230	0.230	0.230

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)	126.100	199.100	169.300	169.200	113.100	113.800	129.800	107.000
Transmitting ERP (watts)	0.300	0.270	0.270	0.270	7.860	98.980	82.330	6.390

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
76	37-01-28.9 N	085-56-25.6 W	200.3	38.1	1271460

Address: Glasgow III, 3576 Vetrans Outer Loop

City: Glasgow County: BARREN 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	46.700	29.900	29.900
Transmitting ERP (watts)	2.050	33.870	137.170	124.840	23.380	1.910	0.330	0.430

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	46.700	29.900	29.900
Transmitting ERP (watts)	0.630	0.330	0.410	6.840	63.420	162.090	83.920	10.870

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	46.700	29.900	29.900
Transmitting ERP (watts)	154.470	48.010	4.830	0.330	0.380	0.600	16.490	101.100

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
77	36-56-37.0 N	086-00-52.0 W	218.9	91.1	1063506

Address: BARREN RIVER LAKE

City: HAYWOOD County: BARREN 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)	87.800	87.700	78.400	83.300	98.200	130.100	114.100	96.200
Transmitting ERP (watts)	101.050	42.130	4.720	0.240	0.240	0.610	5.870	42.130

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
77	36-56-37.0 N	086-00-52.0 W	218.9	91.1	1063506

Address: BARREN RIVER LAKE

City: HAYWOOD County: BARREN 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)	87.800	87.700	78.400	83.300	98.200	130.100	114.100	96.200
Transmitting ERP (watts)	3.390	28.830	96.130	59.190	8.040	0.390	0.240	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)	87.800	87.700	78.400	83.300	98.200	130.100	114.100	96.200
Transmitting ERP (watts)	0.620	0.240	0.340	2.410	23.740	91.110	68.010	10.650

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
78	36-58-44.0 N	085-36-47.0 W	249.9	45.7	

Address: Edmonton Downtown Water Tank, in the town of

City: Edmonton County: METCALFE 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)	48.500	29.900	29.900	29.900	29.900	29.900	29.900	42.000
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)	48.500	29.900	29.900	29.900	29.900	29.900	29.900	42.000
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)	48.500	29.900	29.900	29.900	29.900	29.900	29.900	42.000
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.
79	36-52-32.5 N	085-24-08.7 W	265.2	77.7	1275158

Address: Smith Bridge, 7031 Columbia Road

City: Burkesville County: CUMBERLAND 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)	50.900	83.800	118.700	123.800	120.900	128.700	92.600	76.800
Transmitting ERP (watts)	5.460	32.920	114.480	130.660	49.070	6.770	0.450	0.620

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN814

File Number: 0009262182

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
79	36-52-32.5 N	085-24-08.7 W	265.2	77.7	1275158

Address: Smith Bridge, 7031 Columbia Road

City: Burkesville County: CUMBERLAND 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)	50.900	83.800	118.700	123.800	120.900	128.700	92.600	76.800
Transmitting ERP (watts)	1.250	0.280	2.730	18.240	82.650	124.610	82.100	13.580

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)	50.900	83.800	118.700	123.800	120.900	128.700	92.600	76.800
Transmitting ERP (watts)	93.210	17.180	1.520	0.270	1.720	14.250	71.470	128.360

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
80	36-46-19.8 N	084-45-59.0 W	351.7	77.7	1271461

Address: Coopersville, 145 Abbott Road

City: Monticello County: WAYNE 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)	67.900	149.400	100.200	78.600	97.200	29.900	101.300	118.700
Transmitting ERP (watts)	3.330	29.550	115.490	103.170	20.970	1.630	0.360	0.270

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)	67.900	149.400	100.200	78.600	97.200	29.900	101.300	118.700
Transmitting ERP (watts)	0.280	0.270	3.570	31.280	114.670	85.770	14.800	1.070

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)	67.900	149.400	100.200	78.600	97.200	29.900	101.300	118.700
Transmitting ERP (watts)	11.150	0.740	0.260	0.340	3.750	40.860	122.700	78.480

Control Points:

Control Pt. No. 1

Address: 316-W LINCOLN TRAIL

City: RADCLIFF County: State: KY Telephone Number:

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 ENGINEERING
ALPHARETTA, GA 30022

Table with 2 columns: Call Sign (WPZV473), File Number (0010160221), and Radio Service (CW - PCS Broadband)

FCC Registration Number (FRN): 0003290673

Table with 4 columns: Grant Date (06-23-2015), Effective Date (09-23-2022), Expiration Date (06-23-2025), Print Date (02-15-2023); Market Number (MTA026), Channel Block (A), Sub-Market Designator (27); Market Name (Louisville-Lexington-Evansville); 1st Build-out Date (06-23-2000), 2nd Build-out Date (06-23-2005), 3rd Build-out Date, 4th Build-out Date

Waivers/Conditions:

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

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: WPZV473

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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RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (WQGA959), File Number (0009775569), 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: WQGA959

File Number: 0009775569

Print Date: 01-05-2022

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

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

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

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

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQJQ692

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WQVN764	File Number
Radio Service AT - AWS-3 (1695-1710 MHz, 1755-1780 MHz, and 2155-2180 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 04-08-2015	Effective Date 02-24-2017	Expiration Date 04-08-2027	Print Date
Market Number BEA071	Channel Block H	Sub-Market Designator 0	
Market Name Nashville, TN-KY			
1st Build-out Date 04-08-2021	2nd Build-out Date 04-08-2027	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: WQVN764

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 NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WQVN765	File Number
Radio Service AT - AWS-3 (1695-1710 MHz, 1755-1780 MHz, and 2155-2180 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 04-08-2015	Effective Date 02-24-2017	Expiration Date 04-08-2027	Print Date
Market Number BEA071	Channel Block 1	Sub-Market Designator 0	
Market Name Nashville, TN-KY			
1st Build-out Date 04-08-2021	2nd Build-out Date 04-08-2027	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: WQVN765

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

Table with Call Sign (WRBB976), File Number (0009262037), 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: WRBB976

File Number: 0009262037

Print Date: 03-10-2021

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 Call Sign (WREV449), File Number (0009262184), 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: WREV449

File Number: 0009262184

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

Table with Call Sign (WREV451), File Number (0009262184), 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: WREV451

File Number: 0009262184

Print Date: 03-11-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WREV453	File Number 0009262184
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 PEA112	Channel Block C	Sub-Market Designator 0	
Market Name Bowling Green, 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: WREV453

File Number: 0009262184

Print Date: 03-11-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WRHF210	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 PEA112	Channel Block M1	Sub-Market Designator 0	
Market Name Bowling Green, 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: WRHF210

File Number: 0010283156

Print Date: 03-15-2023

700 MHz Relicensed Area Information:

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

Reference Copy

REFERENCE COPY

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



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (WRNF682), 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: WRNF682

File Number:

Print Date:

700 MHz Relicensed Area Information:

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

Reference Copy

REFERENCE COPY

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



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (WRNF687), 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: WRNF687

File Number:

Print Date:

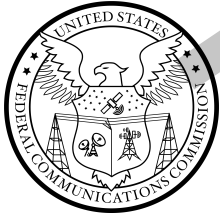
700 MHz Relicensed Area Information:

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

Reference Copy

REFERENCE COPY

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



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (WRWD818), File Number, 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.

Special Condition for AU/name change (6/4/2016): 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: WRWD818

File Number:

Print Date:

700 MHz Relicensed Area Information:

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

Reference Copy

PROJECT SUMMARY	
SITE NAME:	CK CUMBERLAND PARKWAY
SITE ADDRESS:	EAST FORK ROAD EDMONTON, KY 42129
COUNTY:	METCALFE
JURISDICTION:	METCALFE COUNTY
LAND USE:	AGRICULTURAL
PARCEL ID:	075-00-00-008.06
SITE COORDINATES:	1A
LATITUDE:	37° 01' 52.38" N (NAD83)
LATITUDE:	37.031217°
LONGITUDE:	85° 31' 03.08" W (NAD83)
LONGITUDE:	-85.517523°
ELEVATION:	770.6' AMSL (NAVD88)
FUZE PROJECT ID:	16879938
PSIC CODE:	714526
PROPERTY OWNER:	MICHAEL, SHEILA, AIMEE & MATTHEW SEXTON 3393 EDMONTON ROAD COLUMBIA, KY 42728
PROPERTY OWNER CONTACT:	MICHAEL SEXTON (270) 634-0373
TOWER OWNER:	TAG TOWERS 108 FORBES COURT, SUITE 1 RICHMOND, KY 40475
TOWER OWNER:	DAVID GINTIR 859-544-5000
STRUCTURE TYPE:	SELF SUPPORTING
TOWER HEIGHT:	300'-0"
ENVIRONMENTAL REQ.:	N/A
OCCUPANCY:	UNMANNED
SITE TYPE:	RAWLAND
POWER COMPANY:	FARMERS R.E.C.C.
CONTACT:	TBD
PHONE:	(270) 651-2191
COMMUNICATIONS:	SOUTH CENTRAL RURAL TELEPHONE COOP. (270) 678-2111
FIRE DEPARTMENT:	METCALFE COUNTY FIRE DEPARTMENT (570) 732-3771
POLICE DEPARTMENT:	METCALFE COUNTY SHERIFF (270) 432-3041

DIRECTIONS FROM METCALFE COUNTY COURTHOUSE 201 N MAIN ST.
HEAD NORTH ON US-68 E / KY-80 / S MAIN ST TOWARD N MAIN ST (5.2 MI).
TURN LEFT ONTO JACK SPARKS RD (0.8 MI) BEAR RIGHT ONTO E FORK RD (1.6 MI)
ARRIVE AT E FORK RD ON THE LEFT AT THE LAST INTERSECTION BEFORE YOUR
DESTINATION IS GRANVILLE SEXTON RD.

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
(HEREINAFTER REFERRED TO AS "LESSEE")

**TAG
TOWERS**

CK CUMBERLAND PARKWAY
EAST FORK ROAD
EDMONTON, KY 42129

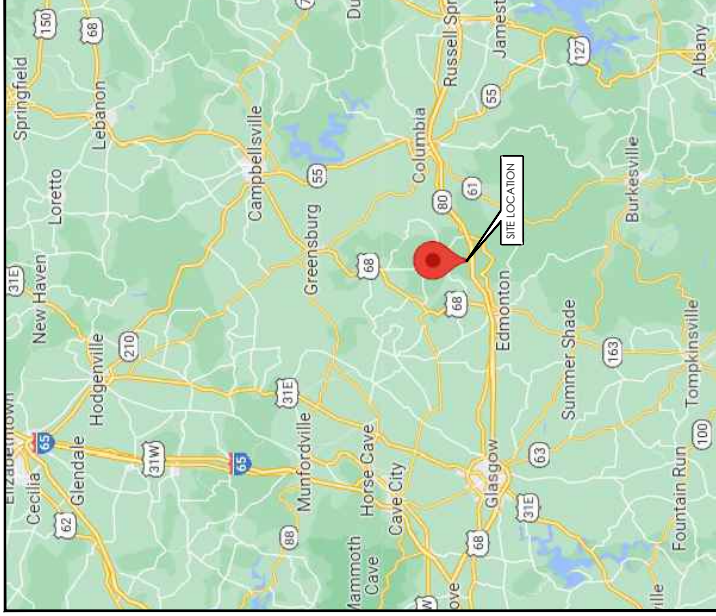
APPLICABLE CODES

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)
- 2009 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.

VICINITY MAP



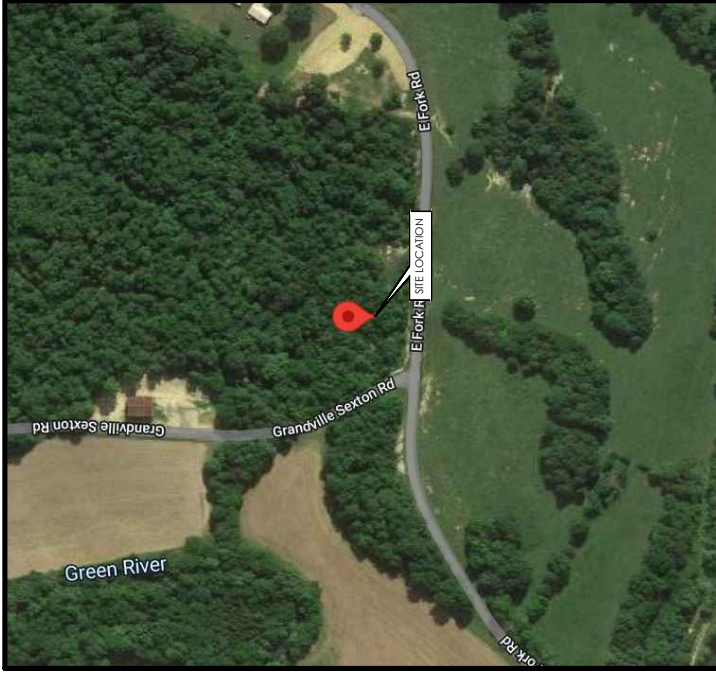
NOT TO SCALE

DIRECTIONS FROM LOUISVILLE SWITCH 2441 HOLLOWAY RD., LOUISVILLE, KY 40299: HEAD SOUTH ON HOLLOWAY RD TOWARD PLANTSIDE DR. TURN RIGHT AT THE 1ST CROSS STREET ONTO PLANTSIDE DR. TURN LEFT ONTO WATSON TRAIL. CONTINUE ONTO RUCKELEGEL PKWY AND TURN LEFT ONTO OLD TAYLORSVILLE RD. TURN RIGHT ONTO CHENOWETH RUN RD. TURN RIGHT ONTO GELLHAUS LN. TURN LEFT ONTO BILLOWAY RD. TAKE THE RAMP ONTO I-265 W/KY-841 W. MERGE ONTO I-265 W/KY-841 W. CONTINUE ONTO KY-841 W. TAKE EXIT 108 TO MERGE ONTO I-65 TOWARD NASHVILLE. TAKE EXIT 65 FOR US-31W TOWARD MUMFORDVILLE. TURN LEFT ONTO US-31W S/MAIN ST. TURN LEFT ONTO KY-571. SLIGHT LEFT ONTO KY-571. TURN RIGHT ONTO KY-571. TURN LEFT ONTO US-68 E. TURN RIGHT ONTO SAVOYARD PARK RD. CONTINUE ONTO RATLIFF MITCHELL RD. TURN RIGHT ONTO STATE HWY 1243. TURN LEFT ONTO US-68 E. TURN RIGHT ONTO H BOSTON RD. TURN RIGHT ONTO CORK-GASCON RD. TURN LEFT ONTO KY-80 E. TURN LEFT ONTO JACK SPARKS RD. CONTINUE STRAIGHT ONTO E FORK RD. SITE WILL BE ON THE LEFT.

SHEET INDEX

NO.	DESCRIPTION
T1	TITLE SHEET
S1	SURVEY - COVER SHEET
S2	SURVEY - OVERVIEW MAP
S3	SURVEY - SITE SURVEY
S4	SURVEY - SITE SURVEY
Z1	COUNTY TOWER MAP
Z2	OVERALL SITE PLAN WITH AERIAL OVERLAY
Z3	OVERALL SITE PLAN WITHOUT AERIAL OVERLAY
Z4	TOWER LOCATION PLAN
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

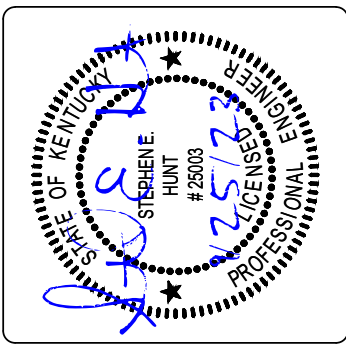



1961 NORTHPOINT BLVD.
SUITE 130
HIYSON, TN 37343
PH : 423-843-9500
FAX : 423-843-9509

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

#	DATE	BY	DESCRIPTION
2	09/25/23	DLS	ZONING ISSUE
1	08/04/23	DLS	ZONING ISSUE
0	09/14/22	TDD	ZONING ISSUE

FUZE ID :	16879938
SITE NAME :	CK CUMBERLAND PARKWAY
SITE # / LOCATION CODE :	714526
SITE ADDRESS :	EAST FORK ROAD EDMONTON, KY 42129
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.

SURVEYOR'S CERTIFICATION

To: Verizon Wireless:
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: 37.031217° 37° 01' 52.38"
Longitude: WEST: 85.517523° 85° 31' 03.08"
Ground Elev: 770.6 FEET AMSL (NAVD88)
Benchmark: DH7217 KYCP

PARENT TAX PARCEL

TAX PARCEL: 075-00-00-008.06
Ownership per Tax Assessor:
MICHAEL A. SEXTON, SHIELA F. SEXTON
MATTHEW A. SEXTON, AIMEE M. SEXTON

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: 05-11-2022
Method: RTK (CORS); Confidence Level: 95%
Positional Accuracy: HZ ± 0.10'
EPOCH 2010.0000

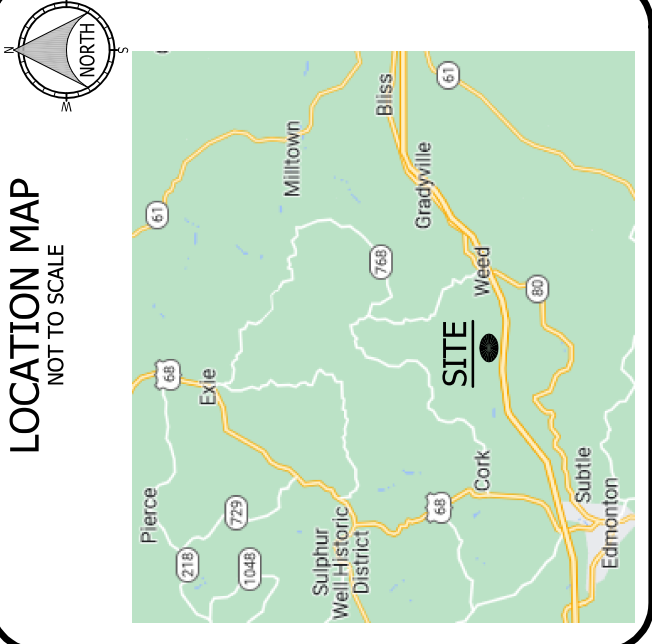
FLOOD DATA

FEMA FLOOD MAP PANEL: 21169C0125C, 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)	R/W	RIGHT-OF-WAY	—	PAVEMENT EDGE
⊙	UTILITY POLE	C/L	CENTER LINE	—	ROAD CENTERLINE
⌋	GUY ANCHOR	AU	ACCESS & UTILITY	—	OVERHEAD UTILITY LINES
*	PROPOSED TOWER CENTER	ESMT	EASEMENT	—	DITCH
⬮	SITE BENCHMARK	P.O.C.	POINT OF COMMENCEMENT	—	TREE LINE
		P.O.B.	POINT OF BEGINNING	—	PUBLIC R/W
		Sq Ft	SQUARE FEET	—	TAX PARCEL BOUNDARY
				—	LESSEE'S PREMISES
				—	LESSEE'S EASEMENTS

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

SITE SURVEY
CK CUMBERLAND PARKWAY
Location Code: 714526
East Fork Road, Edmonton, KY 42129
Metcalfe County, Kentucky

THE
LAND CONSULTANTS
LLC
5449 Highway #41
Jasper, TN 37347
(423) 304-6722

PREPARED FOR

VERIZON WIRELESS

COVER SHEET

DWG#: 22134
ISSUE #: 0
ISSUE DATE: 05-24-2022
SEE SHEET #1

SHEET **1** OF 4

SURVEY ISSUE DATA

#	DETAILS	DATE	DRAWN	APP
0	Original Survey Issue	05-24-2022	NB	TLS

PROPERTY INFORMATION

PARENT TAX PARCEL

A. TAX PARCEL: 075-00-00-008.06

Ownership per Tax Assessor:

MICHAEL A. SEXTON, SHIELA F. SEXTON

MATTHEW A. SEXTON, AIMEE M. SEXTON

(No Title Examination available.)

Record Land Descriptions:

(A1) Land underlying Lessee's Site described in Deed Book 158, Page 747.

(A2) Remainder of Tax Parcel: Not addressed herein.

ADJOINING TAX PARCELS

B. PATRICK H. HERALD

TAX PARCEL: 075-00-00-008.07

DEED BOOK 161, PAGE 148

PLAT BOOK A, PAGE 1684A

C. BILLY ALLAN SEXTON ...

TAX PARCEL: 075-00-00-008.05

DEED BOOK 153, PAGE 540

PLAT BOOK A, PAGE 1684A

D. DELISA ANN SEXTON ...

TAX PARCEL: 075-00-00-008.03

DEED BOOK 138, PAGE 656

E. MICHAEL SEXTON ...

TAX PARCEL: 074-00-00-007.04

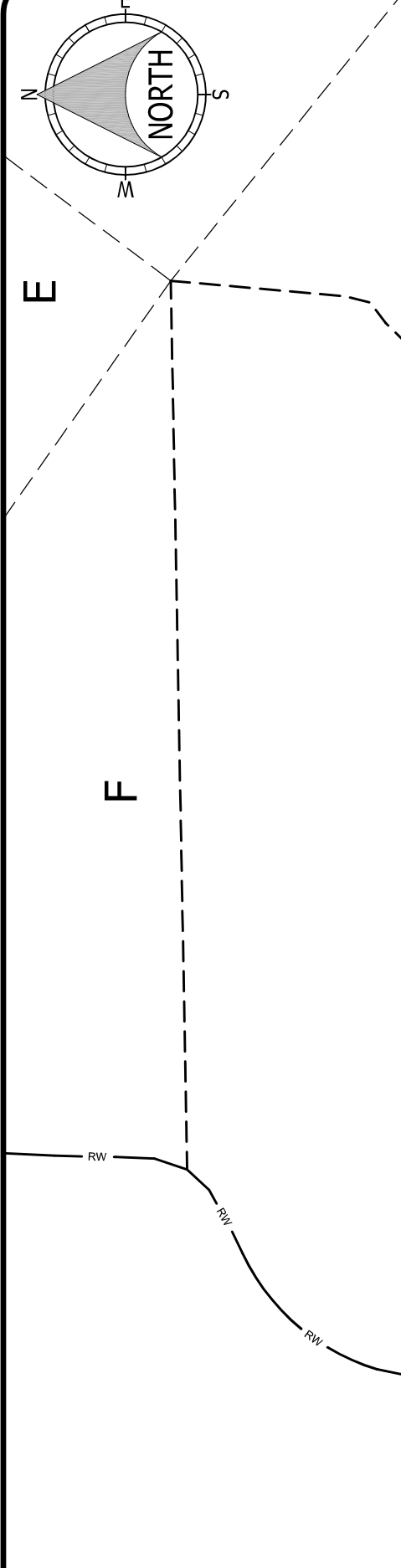
DEED BOOK 153, PAGE 667

F. DONALD KEVIN LESSENBERRY ...

TAX PARCEL: 074-00-00-004.00

DEED BOOK 99, PAGE 418

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



SQUIRE ROAD

LESSEE'S 30'
UTILITY EASEMENT

EAST FORK ROAD

LESSEE'S 30' ACCESS
& UTILITY EASEMENT

LESSEE'S
PREMISES
A (A1)

A (A2)

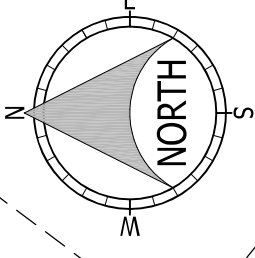
B

C

D

F

E



SCALE: 1in = 200'



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

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

SITE SURVEY

Location Code: 714526
East Fork Road, Edmonton, KY 42129

Metcalfe County, Kentucky

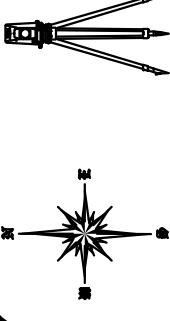
PREPARED FOR

verizon

VERIZON WIRELESS

THE
LAND CONSULTANTS
LLC

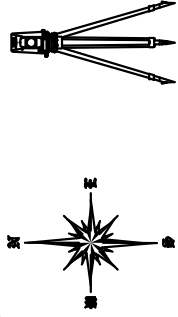
5449 Highway #41
Jasper, TN 37347
(423) 304-6722



OVERVIEW MAP

DWG#: 22134
ISSUE #: 0
ISSUE DATE: 05-24-2022
SEE SHEET #1

SHEET
2
OF
4



THE
LAND CONSULTANTS
 LLC
 5449 Highway #41
 Jasper, TN 37347
 (423) 304-6722

PREPARED FOR

VERIZON WIRELESS

(Not a Boundary Survey of Parent Lands. Not intended for fee simple Land Transfer)
SITE SURVEY
CK CUMBERLAND PARKWAY
 Location Code: 714526
 East Fork Road, Edmonton, KY 42129
 Metcalfe County, Kentucky

SITE SURVEY

DWG#: 22134
 ISSUE #: 0
 ISSUE DATE: 05-24-2022
 SEE SHEET #1

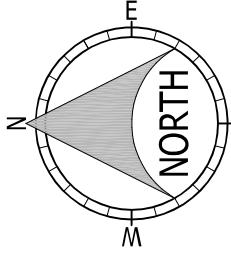
SHEET **3** OF 4

CURVE DATA TABLE

CURVE	RADIUS	ARC LEN	TANGENT	DELTA ANGLE	CHORD BEARING	CHORD LEN
C1	65.0'	102.1'	65.0'	90°00'00"	S 41°30'27" E	91.9'
C2	35.0'	55.0'	35.0'	90°00'00"	N 41°30'27" W	49.5'

LINE DATA TABLE

LINE	BEARING	DISTANCE
L1	N 86°30'27" W	100.00'
L2	N 03°29'33" E	100.00'
L3	S 86°30'27" E	100.00'
L4	S 03°29'33" W	100.00'
L5	N 03°29'33" E	100.00'
L6	S 86°30'27" E	30.00'
L7	S 03°29'33" W	35.00'
L8	S 86°30'27" E	20.92'
L9	S 03°29'33" W	26.37'
L10	N 86°30'27" W	30.00'
L11	N 03°29'33" E	26.37'
L12	N 86°30'27" W	20.92'
L13	S 03°29'33" W	35.00'
L14	N 86°30'27" W	30.00'
L15	S 78°06'15" W	70.99'
L16	N 11°53'45" W	30.00'
L17	N 78°06'15" E	79.24'
L18	S 03°29'33" W	31.12'



KENTUCKY SOUTH
 STATE PLANE

B

A

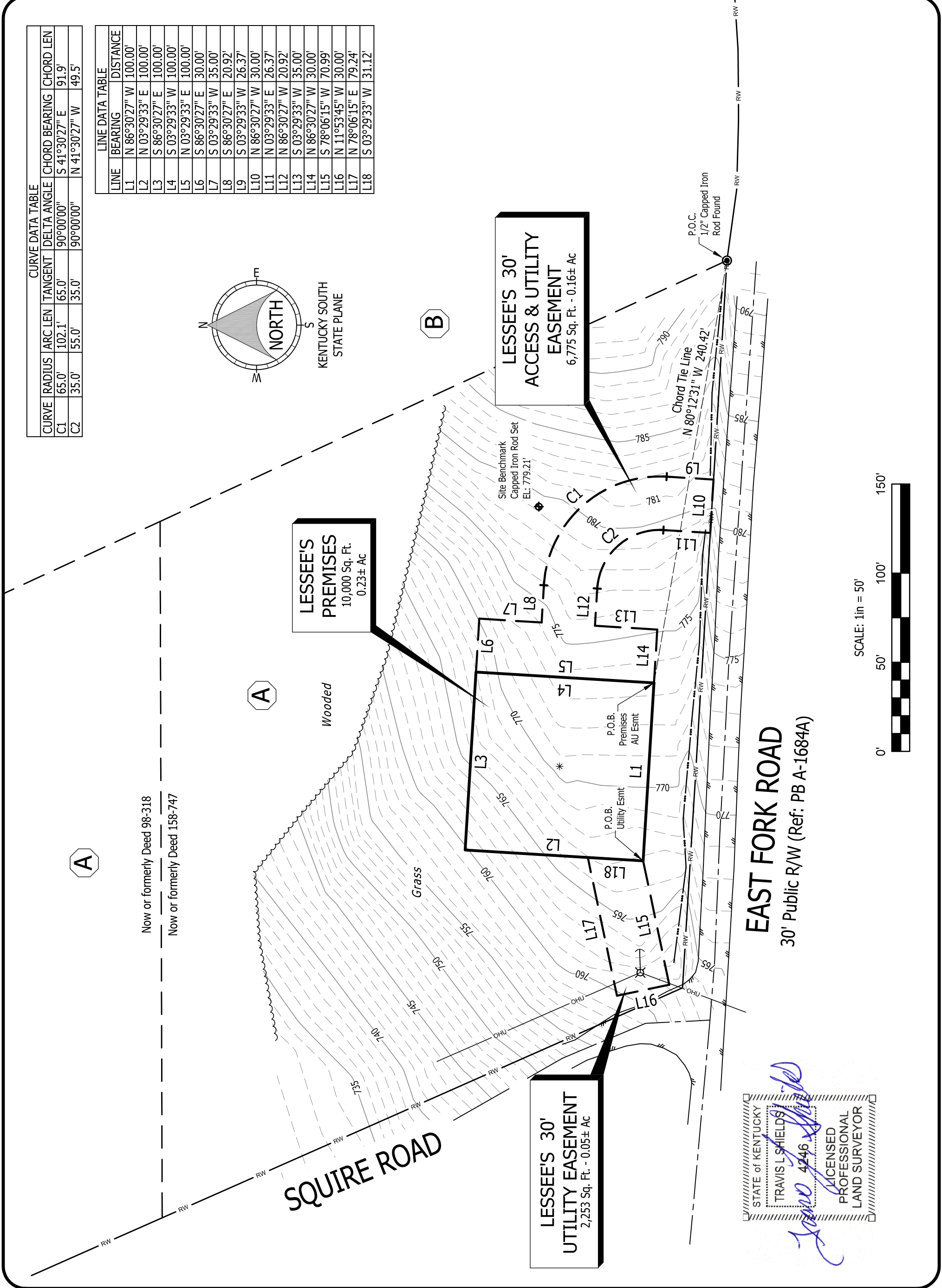
Now or formerly Deed 98-318
 Now or formerly Deed 158-747

A

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

LESSEE'S 30' ACCESS & UTILITY EASEMENT
 6,775 Sq. Ft. - 0.16± AC

LESSEE'S 30' UTILITY EASEMENT
 2,253 Sq. Ft. - 0.05± AC



STATE OF KENTUCKY
TRAVIS L SHIELDS
 4246
 LICENSED PROFESSIONAL LAND SURVEYOR

EAST FORK ROAD
 30' Public R/W (Ref: PB A-1684A)



LESSEE'S PREMISES

All that Tract or Parcel of Land lying and being in Metcalfe County, Kentucky, and being a portion of the property described in Deed Book 158, Page 747, Office of the Metcalfe County Clerk, and being more particularly described as follows:

COMMENCE at a one-half inch Capped Iron Rod located at the Southeast corner of the aforesaid property;
Thence along a Chord Lie Line having a bearing of N 80°12'31" W, a distance of 240.42 feet to the POINT OF BEGINNING;

Thence N 86°30'27" W, a distance of 100.00 feet;
Thence N 03°29'33" E, a distance of 100.00 feet;
Thence S 86°30'27" E, a distance of 100.00 feet;
Thence S 03°29'33" 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 30' ACCESS & UTILITY EASEMENT

All that Tract or Parcel of Land lying and being in Metcalfe County, Kentucky, and being a portion of the property described in Deed Book 158, Page 747, Office of the Metcalfe County Clerk, and being more particularly described as follows:

COMMENCE at a one-half inch Capped Iron Rod located at the Southeast corner of the aforesaid property;
Thence along a Chord Lie Line having a bearing of N 80°12'31" W, a distance of 240.42 feet to the POINT OF BEGINNING;

COMMENCE at a one-half inch Capped Iron Rod located on the Northern Right-of-Way of East Fork Road, said Iron Rod being the Southeast corner of the aforementioned property; Thence N 80°12'31" W, a distance of 240.42 feet;
Thence N 86°30'27" W, a distance of 100.00 feet to the POINT OF BEGINNING;

Thence N 03°29'33" E, a distance of 100.00 feet;
Thence S 86°30'27" E, a distance of 30.00 feet;
Thence S 03°29'33" W, a distance of 35.00 feet;
Thence S 86°30'27" E, a distance of 20.92 feet;
Thence with a curve to the right with an arc length of 102.10 feet, with a radius of 65.00 feet, with a chord bearing of S 41°30'27" E, with a chord length of 91.92 feet;
Thence S 03°29'33" W, a distance of 26.37 feet to the Northern Right-of Way Line of East Fork Road;
Thence N 86°30'27" W, along said Right-of Way Line, a distance of 30.00 feet;
Thence N 03°29'33" E, leaving said Right-of Way Line, a distance of 26.37 feet;
Thence with a curve to the left with an arc length of 54.98 feet, with a radius of 35.00 feet, with a chord bearing of N 41°30'27" W, with a chord length of 49.50 feet;
Thence N 86°30'27" W, a distance of 20.92 feet;
Thence S 03°29'33" W, a distance of 35.00 feet;
Thence N 86°30'27" W, a distance of 30.00 feet to the POINT OF BEGINNING.

Said Easement contains 0.16 Acres (6,775 Square Feet), more or less.

LESSEE'S 30' UTILITY EASEMENT

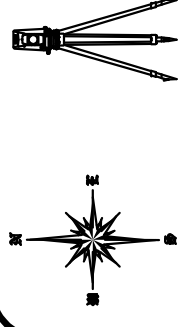
All that Tract or Parcel of Land lying and being in Metcalfe County, Kentucky, and being a portion of the property described in Deed Book 158, Page 747, Office of the Metcalfe County Clerk, and being more particularly described as follows:

COMMENCE at a one-half inch Capped Iron Rod located at the Southeast corner of the aforesaid property;

Thence along a Chord Lie Line having a bearing of N 80°12'31" W, a distance of 240.42 feet;
Thence N 86°30'27" W, a distance of 100.00 feet to the POINT OF BEGINNING;

Thence S 78°06'15" W, a distance of 70.99 feet;
Thence N 11°53'45" W, a distance of 30.00 feet;
Thence N 78°06'15" E, a distance of 79.24 feet;
Thence S 03°29'33" W, a distance of 31.12 feet to the POINT OF BEGINNING.

Said Easement contains 0.05 Acres (2,253 Square Feet), more or less.



THE
LAND CONSULTANTS
LLC
5449 Highway #41
Jasper, TN 37347
(423) 304-6722

PREPARED FOR
verizon
VERIZON WIRELESS

(Not a Boundary Survey of Parent Lands. Not intended for fee simple Land Transfer)
SITE SURVEY
CK CUMBERLAND PARKWAY
Location Code: 714526
East Fork Road, Edmonton, KY 42129
Metcalfe County, Kentucky

SITE SURVEY

DWG#: 22134
ISSUE #: 0
ISSUE DATE: 05-24-2022
SEE SHEET #1

SHEET
4
OF
4



FCC REGISTERED CELL TOWERS

TOWER	TOWER OWNER	ASR	LATITUDE	LONGITUDE
1	GLOBAL TOWER, LLC	1007823	37° 00' 19.9" N	85° 34' 34.2" W
2	CELLCO PARTNERSHIP	1043059	36° 59' 41.0" N	85° 33' 38.0" W
3	KENTUCKY, COMMONWEALTH OF DBA = KY EMERGENCY WARNING SYSTEM KEWS	1044821	37° 06' 00.0" N	85° 32' 10.1" W
4	HART COUNTY COMMUNICATIONS	1048812	37° 01' 32.0" N	85° 33' 20.0" W
5	TENNESSEE VALLEY AUTHORITY	1214425	36° 52' 56.0" N	85° 41' 16.8" W
6	SBA TOWERS VII, LLC	1252327	36° 59' 38.2" N	85° 41' 15.3" W
7	SBA TOWERS VII, LLC	1252869	37° 01' 04.2" N	85° 30' 53.2" W
8	CELLCO PARTNERSHIP	1260710	37° 04' 25.0" N	85° 42' 47.2" W
9	CELLCO PARTNERSHIP	1261655	36° 50' 21.2" N	85° 36' 18.3" W
10	CELLCO PARTNERSHIP	1266731	37° 05' 29.1" N	85° 36' 52.2" W
11	CTI ASSETS II, LLC	1309696	36° 52' 34.0" N	85° 40' 01.6" W
12	VB BTS, LLC	1310242	36° 52' 43.7" N	85° 39' 53.1" W
13	UNITI TOWERS LLC	1316243	36° 59' 34.3" N	85° 41' 17.1" W
14	HARMONI TOWERS LLC	1319787	37° 00' 56.4" N	85° 31' 05.3" W
15	VERIZON WIRELESS	TBD	37° 01' 52.3" N	85° 31' 03.0" W

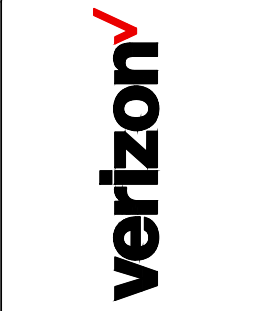
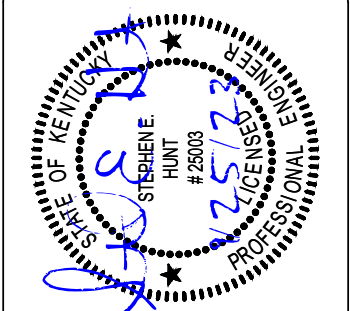


1961 NORTHPOINT BLVD.
SUITE 130
HIXSON, TN 37343
PH : 423-843-9500
FAX : 423-843-9509

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	
#	DATE BY DESCRIPTION
2	09/25/23 DLS ZONING ISSUE
1	08/04/23 DLS ZONING ISSUE
0	09/14/22 TDD ZONING ISSUE



FUZE ID : 16879938

SITE NAME : CK CUMBERLAND PARKWAY

SITE # / LOCATION CODE : 714526

SITE ADDRESS : EAST FORK ROAD
EDMONTON, KY 42129

SITE TYPE : RAWLAND

SHEET TITLE : COUNTY TOWER MAP

DRAWING # :	Z1	REVISION :	2
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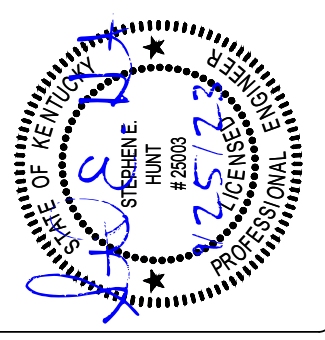


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REVISIONS	
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1	08/04/23 DLS ZONING ISSUE
0	09/14/22 TDD ZONING ISSUE



FUZE ID : 16879938

SITE NAME : CK CUMBERLAND PARKWAY

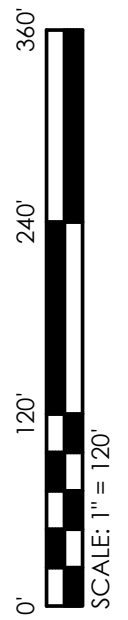
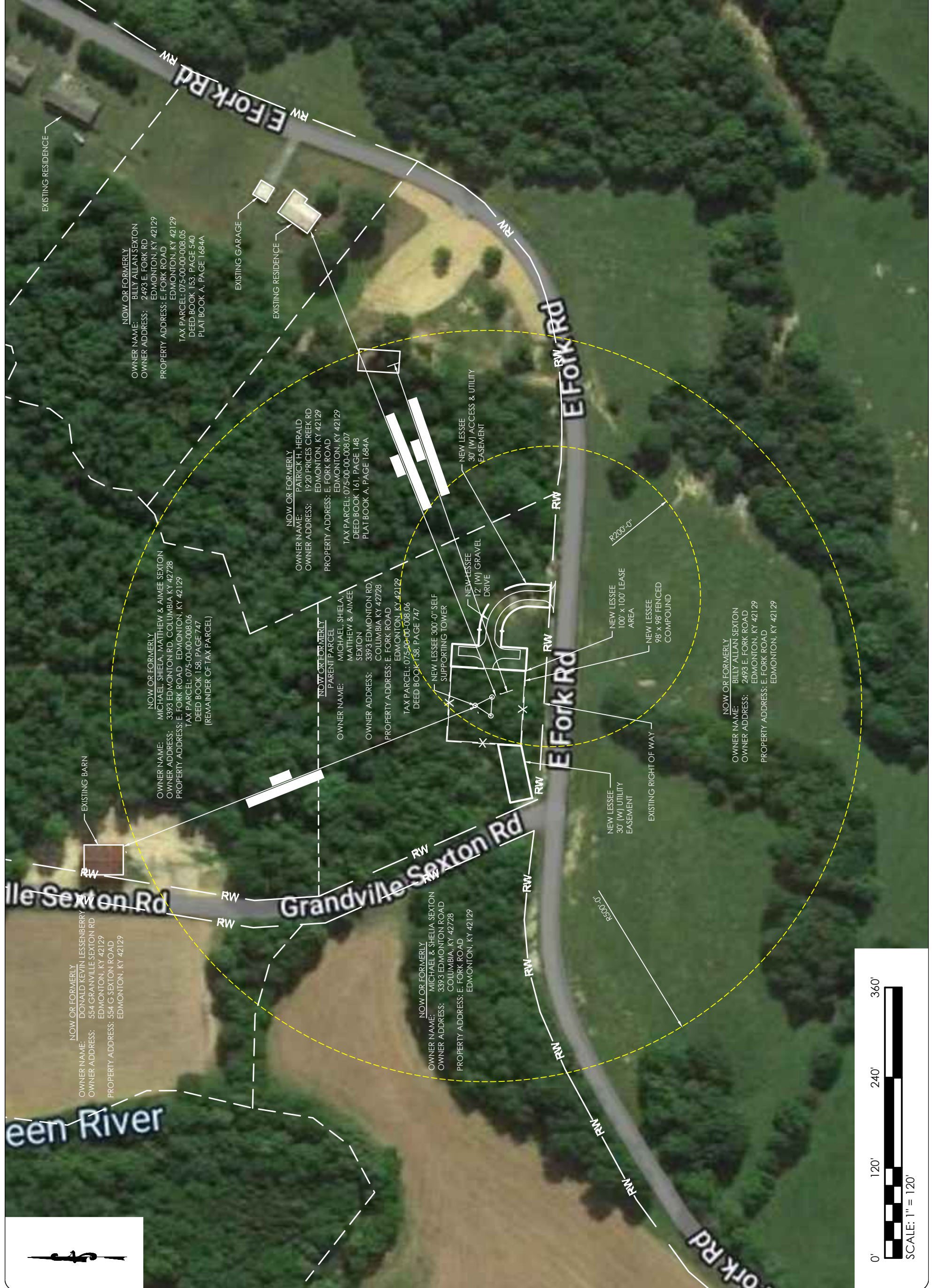
SITE # / LOCATION CODE : 714526

SITE ADDRESS : EAST FORK ROAD EDMONTON, KY 42129

SITE TYPE : RAWLAND

SHEET TITLE : OVERALL SITE LAYOUT WITH AERIAL OVERLAY

DRAWING # :	Z2	REVISION :	2
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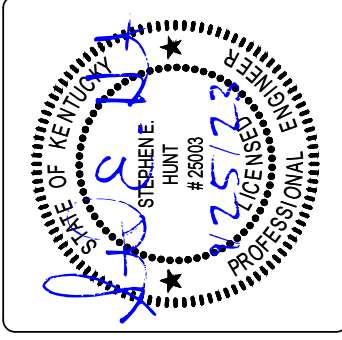


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HIXSON, TN 37343
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CHECKED BY	SEH

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1	08/04/23	DLS	ZONING ISSUE
0	09/14/22	TDD	ZONING ISSUE



FUZE ID : 16879938

SITE NAME : CK CUMBERLAND PARKWAY

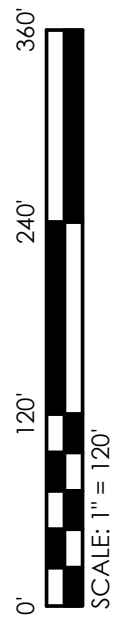
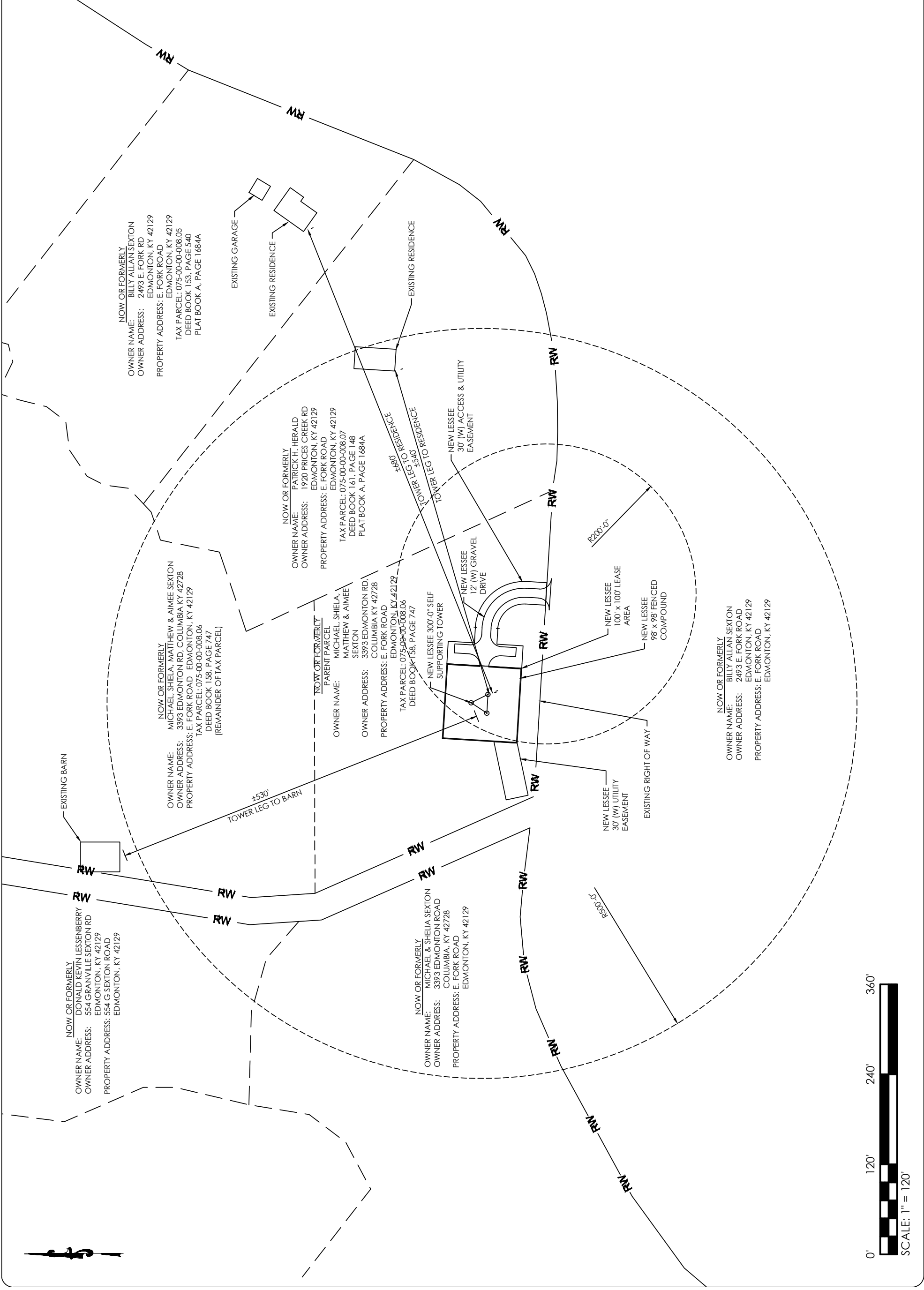
SITE # / LOCATION CODE : 714526

SITE ADDRESS : EAST FORK ROAD
EDMONTON, KY 42129

SITE TYPE : RAWLAND

SHEET TITLE : OVERALL SITE LAYOUT
WITHOUT AERIAL OVERLAY

DRAWING # :	Z3	REVISION :	2
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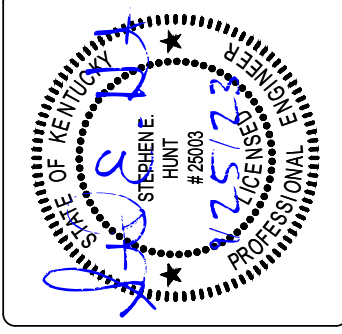
1961 NORTHPOINT BLVD.
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CHECKED BY	SEH

REVISIONS

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2	09/25/23	DLS	ZONING ISSUE
1	08/04/23	DLS	ZONING ISSUE
0	09/14/22	TDD	ZONING ISSUE



FUZE ID : 16879938

SITE NAME : CK CUMBERLAND PARKWAY

SITE # / LOCATION CODE : 714526

SITE ADDRESS : EAST FORK ROAD
EDMONTON, KY 42129

SITE TYPE : RAWLAND

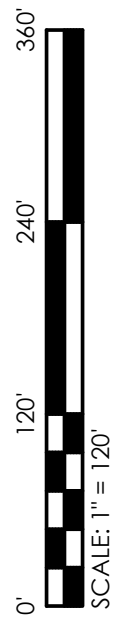
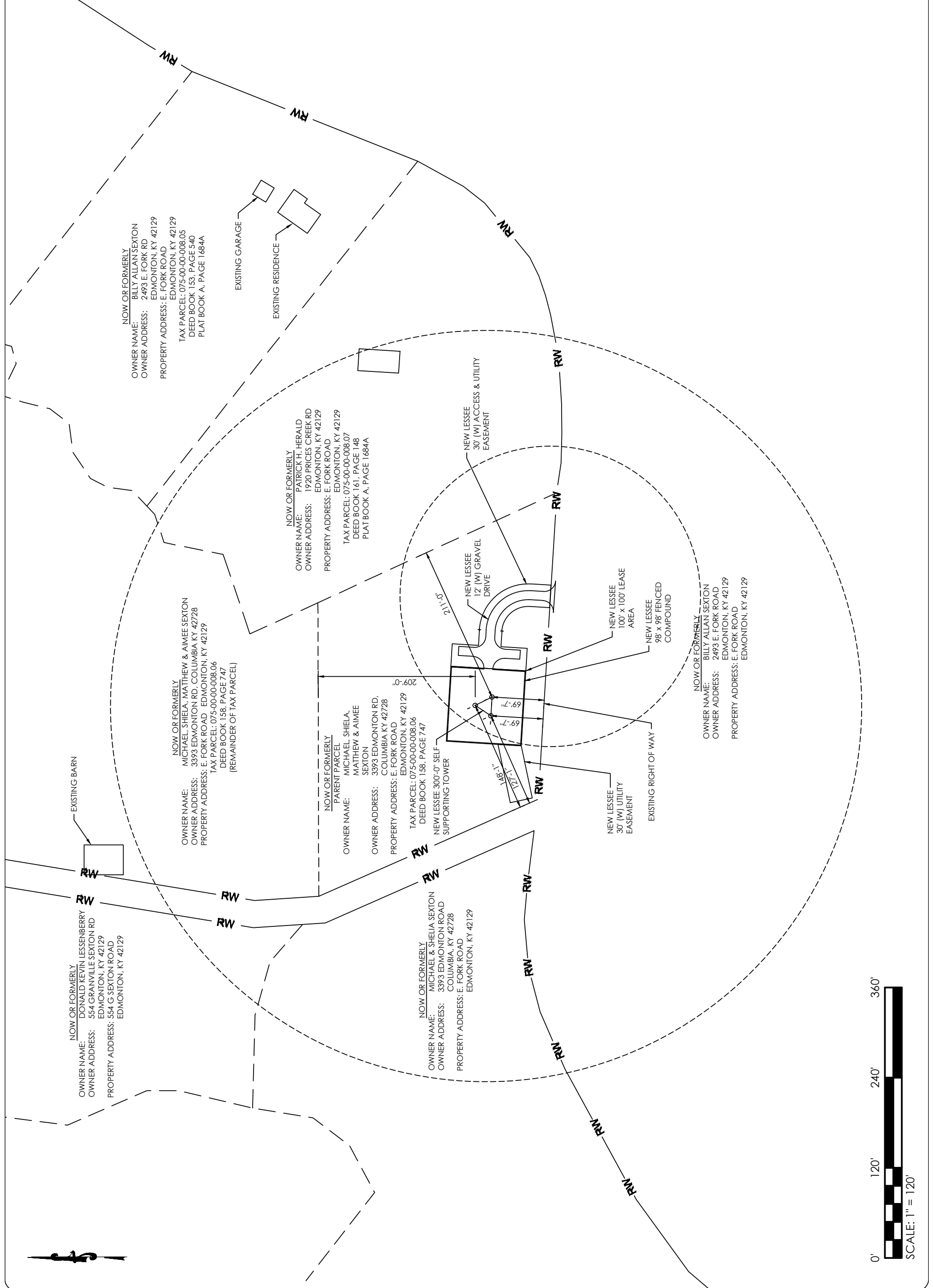
SHEET TITLE : TOWER LOCATION PLAN

DRAWING # :

Z4

REVISION :

2



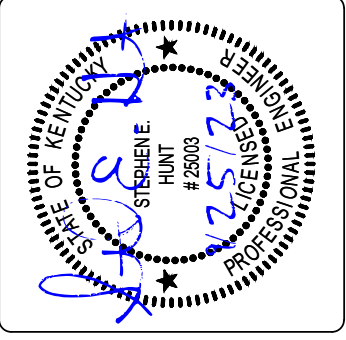



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CHECKED BY	SEH

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1	08/04/23	DLS	ZONING ISSUE
0	09/14/22	TDD	ZONING ISSUE

FUZE ID : 16879938

SITE NAME : CK CUMBERLAND PARKWAY

SITE # / LOCATION CODE : 714526

SITE ADDRESS : EAST FORK ROAD
EDMONTON, KY 42129

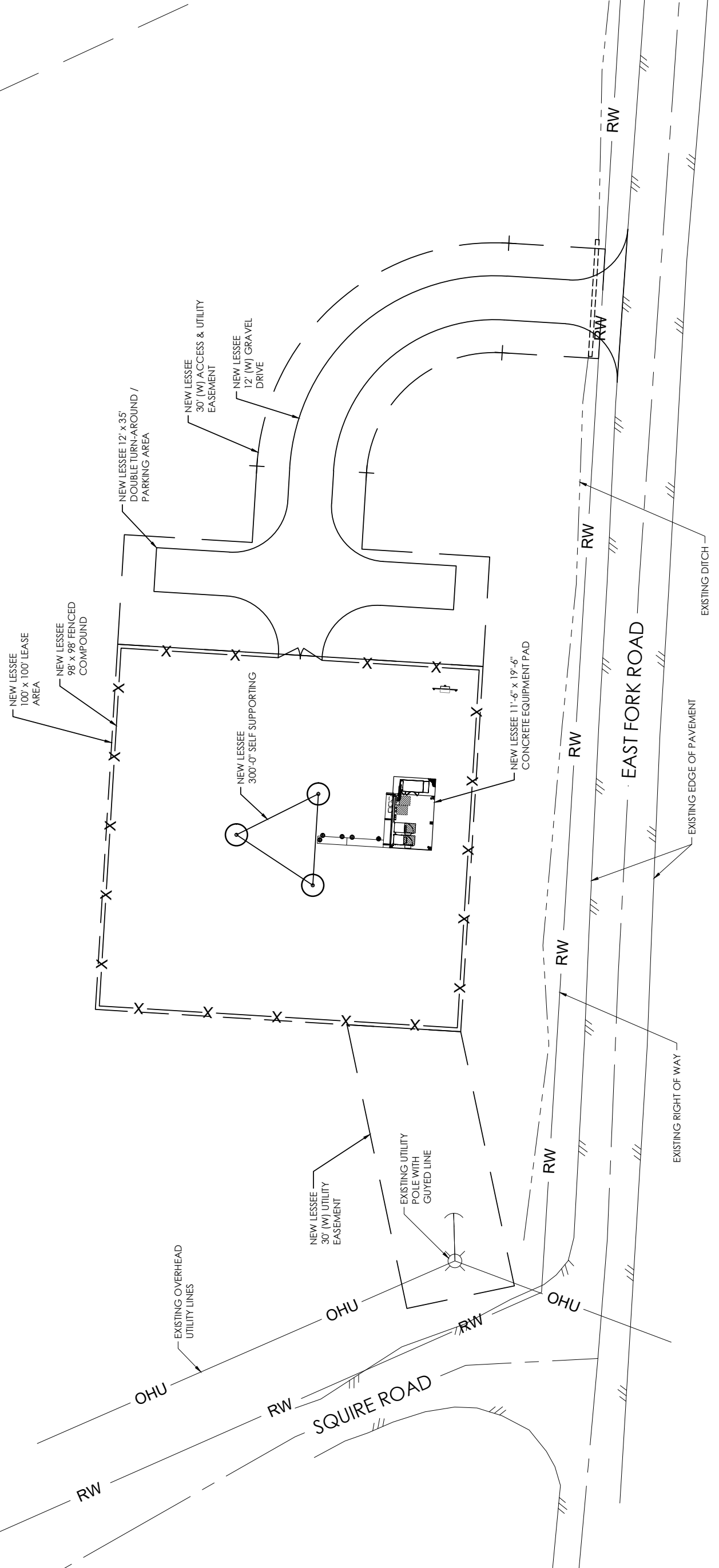
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SHEET TITLE : SITE PLAN

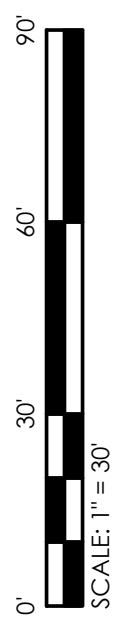
DRAWING # :	Z5	REVISION :	2
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NOW OR FORMERLY
PARENT PARCEL
MICHAEL, SHIELA, MATTHEW & AIMEE SEXTON
TAX PARCEL: 075-00-00-008.06
DEED BOOK 158, PAGE 747

EXISTING PROPERTY
LINE



NOW OR FORMERLY
PARENT PARCEL
MICHAEL, SHIELA, MATTHEW & AIMEE SEXTON
TAX PARCEL: 075-00-00-008.06
DEED BOOK 158, PAGE 747





1961 NORTHPOINT BLVD.
SUITE 130
HIXSON, TN 37343
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CHECKED BY	SEH

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1	08/04/23	DLS	ZONING ISSUE
0	09/14/22	TDD	ZONING ISSUE

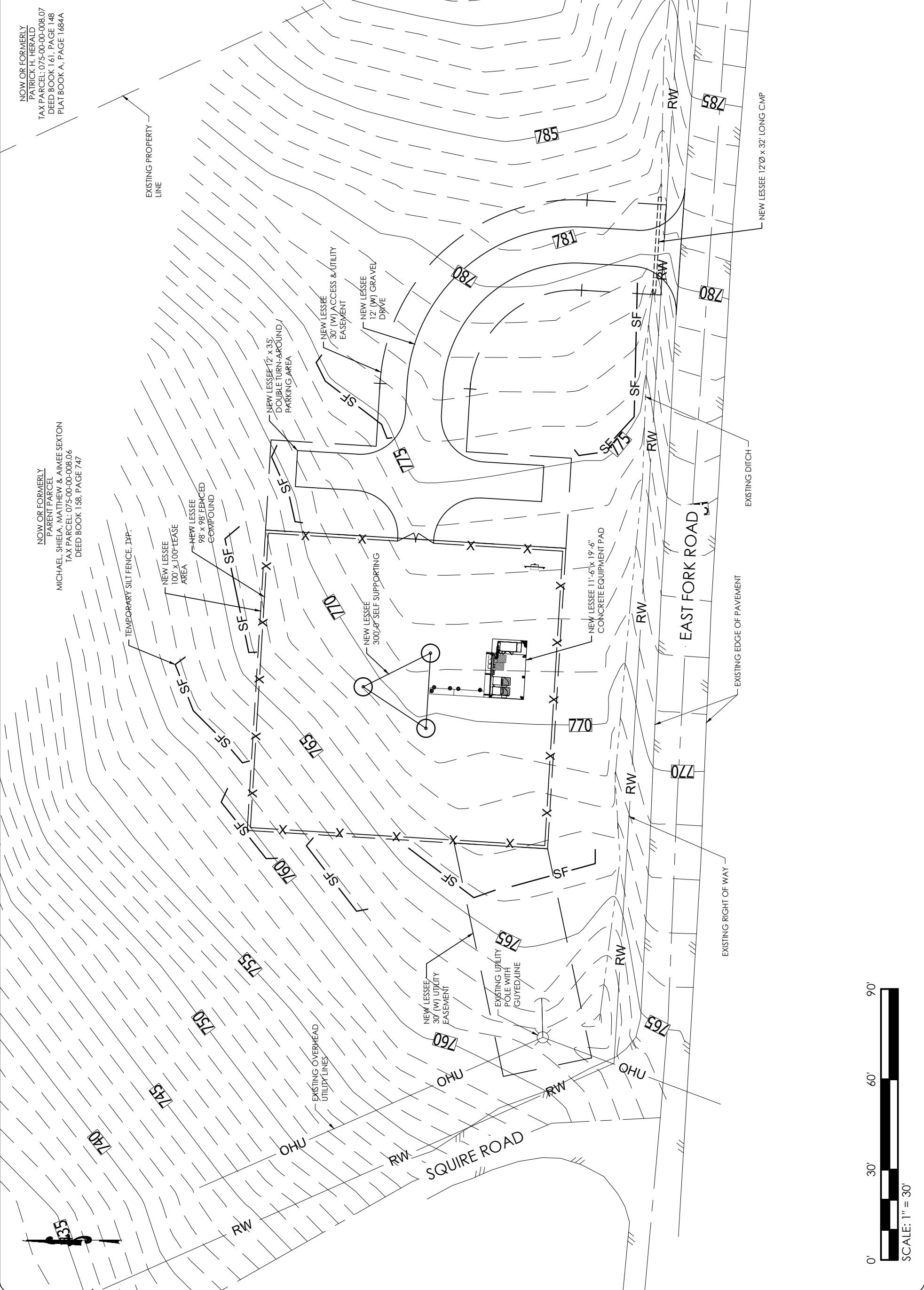


FUZE ID :	16879938
SITE NAME :	CK CUMBERLAND PARKWAY
SITE # / LOCATION CODE :	714526

SITE ADDRESS :	EAST FORK ROAD EDMONTON, KY 42129
SITE TYPE :	RAWLAND

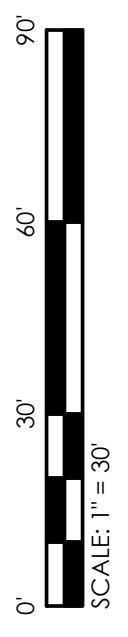
SHEET TITLE :	EROSION CONTROL SITE PLAN
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DRAWING # :	Z6	REVISION :	2
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NOW OR FORMERLY PATRICK H. HERALD
TAX PARCEL: 075-00-00-008.07
DEED BOOK 161, PAGE 148
PLAT BOOK A, PAGE 1684A

NOW OR FORMERLY MICHAEL, SHIELA, MATTHEW & AIMEE SEXTON
TAX PARCEL: 075-00-00-008.06
DEED BOOK 158, PAGE 747



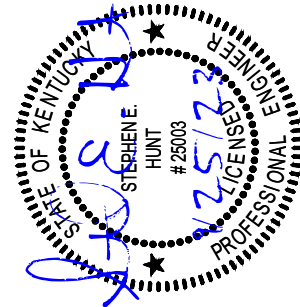


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1	08/04/23	DLS	ZONING ISSUE
0	09/14/22	TDD	ZONING ISSUE

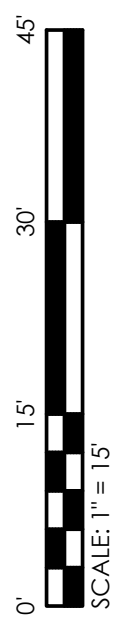
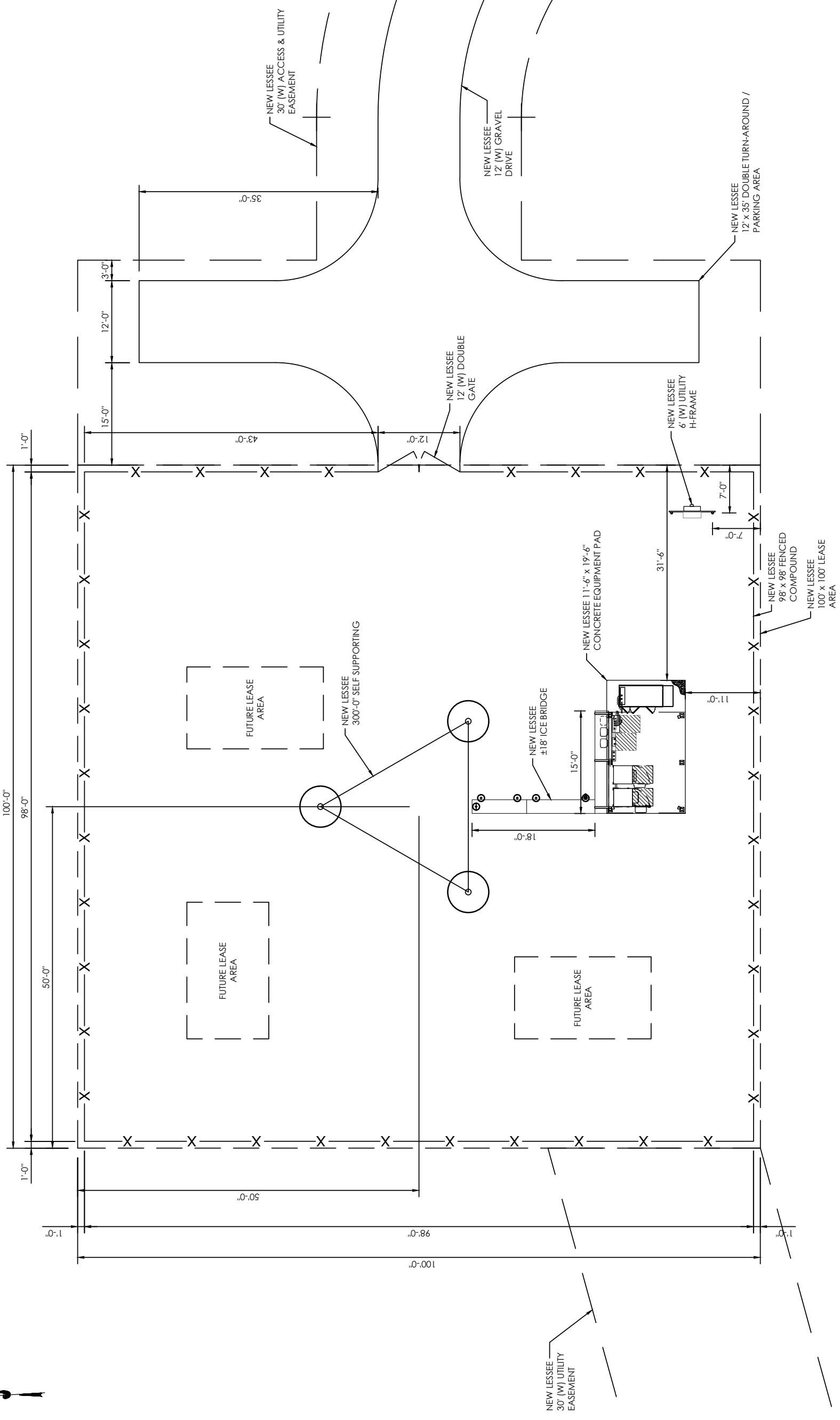


FUZE ID :	16879938
SITE NAME :	CK CUMBERLAND PARKWAY
SITE # / LOCATION CODE :	714526

SITE ADDRESS :	EAST FORK ROAD EDMONTON, KY 42129
SITE TYPE :	RAWLAND

SHEET TITLE :	DIMENSION SITE PLAN
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DRAWING # :	Z7	REVISION :	2
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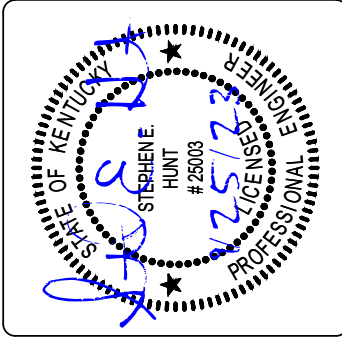


TeleCAD Wireless
 1961 NORTHPOINT BLVD.
 SUITE 130
 HIXSON, TN 37343
 PH : 423-843-9500
 FAX : 423-843-9509

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CHECKED BY	SEH

REVISIONS			
#	DATE	BY	DESCRIPTION
2	09/25/23	DLS	ZONING ISSUE
1	08/04/23	DLS	ZONING ISSUE
0	09/14/22	TDD	ZONING ISSUE



verizon

FUZE ID : 16879938

SITE NAME : CK CUMBERLAND PARKWAY

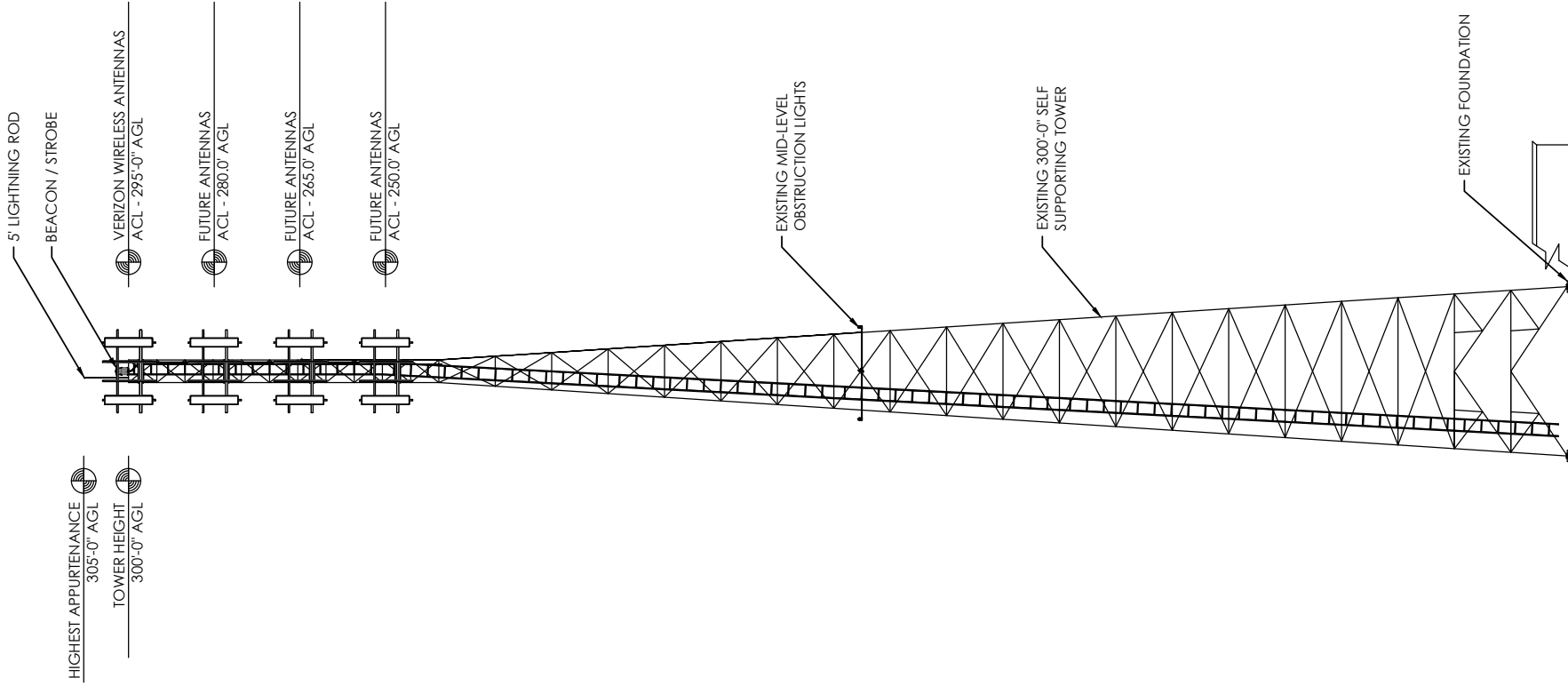
SITE # / LOCATION CODE : 714526

SITE ADDRESS : EAST FORK ROAD
 EDMONTON, KY 42129

SITE TYPE : RAWLAND

SHEET TITLE : TOWER ELEVATION

DRAWING # :	Z8	REVISION :	2
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HIGHEST APPURTENANCE
 305'-0" AGL
 TOWER HEIGHT
 300'-0" AGL

TOWER ELEVATION
 NIS

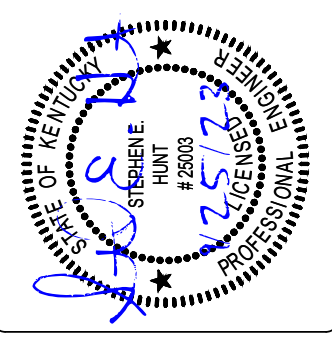


1961 NORTHPOINT BLVD.
SUITE 130
HIXSON, TN 37343
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CHECKED BY	SEH

REVISIONS	
#	DESCRIPTION
2	09/25/23 DLS ZONING ISSUE
1	08/04/23 DLS ZONING ISSUE
0	09/14/22 TDD ZONING ISSUE

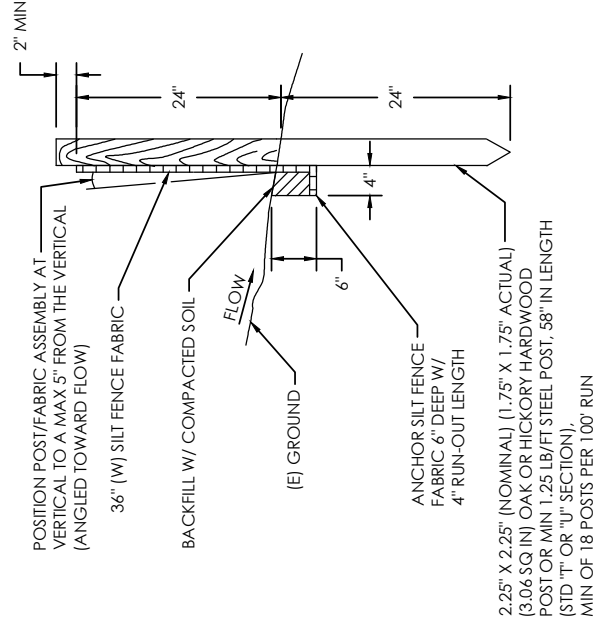


FUZE ID :	16879938
SITE NAME :	CK CUMBERLAND PARKWAY
SITE # / LOCATION CODE :	714526

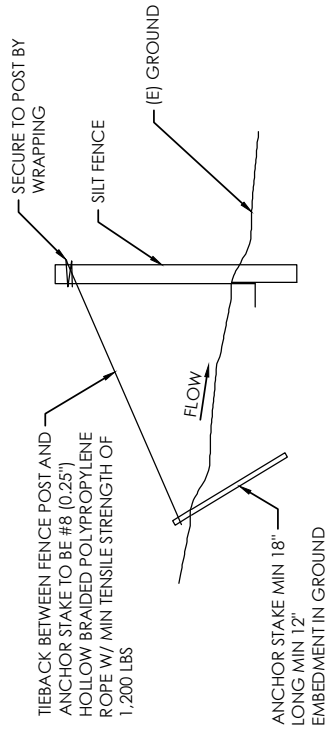
SITE ADDRESS :	EAST FORK ROAD EDMONTON, KY 42129
SITE TYPE :	RAWLAND

SHEET TITLE :	SITE DETAILS
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DRAWING # :	Z9	REVISION :	2
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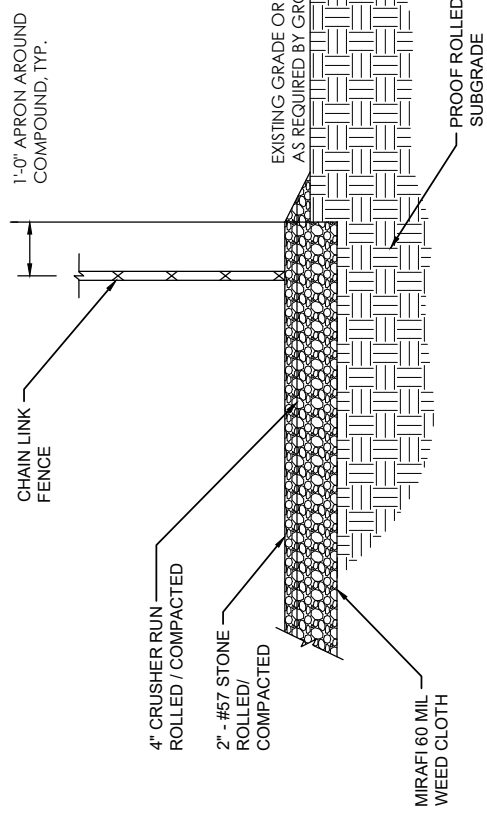


SECTIONAL VIEW



SILT FENCE TIEBACK FOR STEEL OR WOOD POSTS

SILT FENCE DETAIL 1

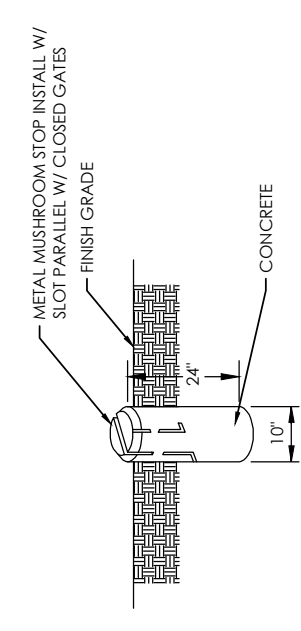


COMPOUND SURFACING 2

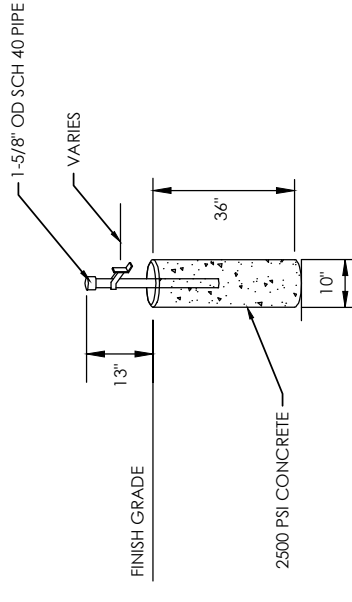
TYPICAL WOVEN WIRE FENCING NOTES:

- (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-F1083.
 - 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.

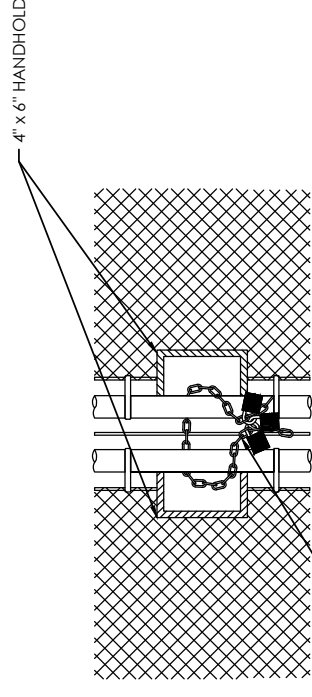
CHECK LOCAL CODES FOR BARBED WIRE REQUIREMENTS.



MUSHROOM STOP
NTS

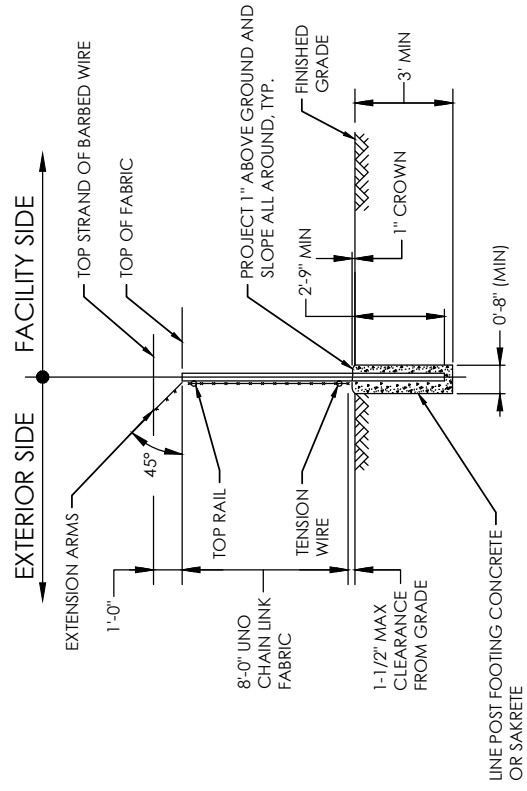


GATE STOP DETAIL
NTS



FENCE LOCK DETAIL
NTS

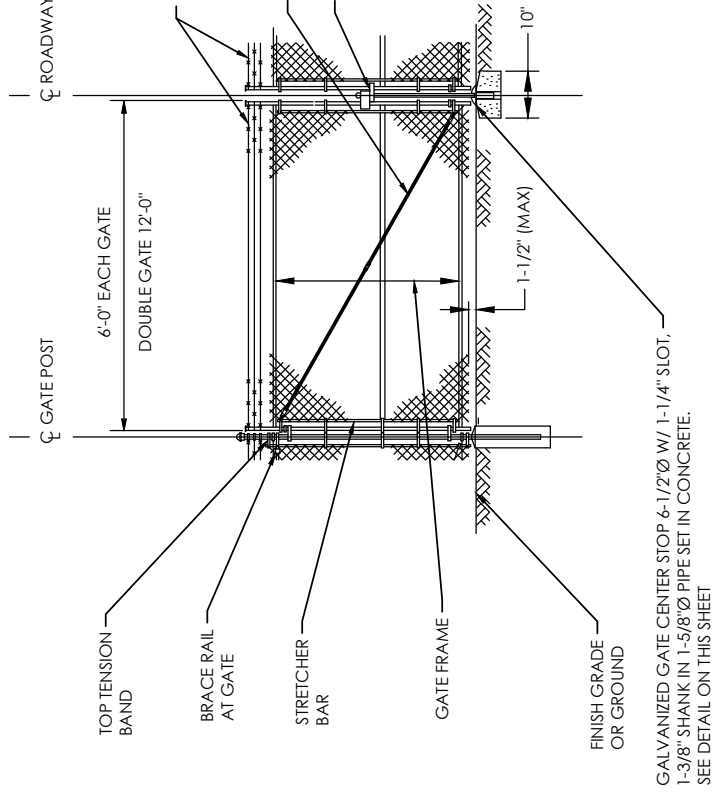
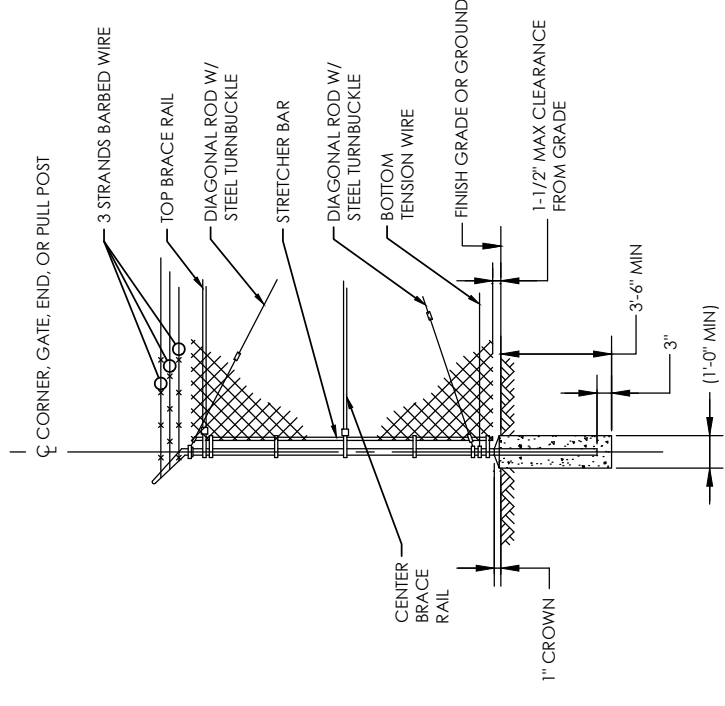
CONTRACTOR TO SUPPLY & INSTALL A 3/8" x 36" FORGED ZINC COATED CHAIN W/ A FOUR DIGIT COMBO MASTER LOCK W/ ELONGATED SHANK



TYPICAL SECTION

WOVEN WIRE FENCE ①
NTS

WOVEN WIRE CORNER, GATE, END OR PULL POST ②
NTS



WOVEN WIRE DOUBLE GATE ③
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

TeleCAD Wireless
1961 NORTHPOINT BLVD.
SUITE 130
HIKSON, 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	
#	DESCRIPTION
2	09/25/23 DLS ZONING ISSUE
1	08/04/23 DLS ZONING ISSUE
0	09/14/22 TDD ZONING ISSUE



verizon

FUZE ID : 16879938

SITE NAME : CK CUMBERLAND PARKWAY

SITE # / LOCATION CODE : 714526

SITE ADDRESS : EAST FORK ROAD
EDMONTON, KY 42129

SITE TYPE : RAWLAND

SHEET TITLE : SITE DETAILS

DRAWING # :	Z10	REVISION :	2
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1 Fairholm Avenue
Peoria, IL 61603 USA
Phone: (309)-566-3000
Fax: (309)-566-3079

DATE: DECEMBER 21, 2022

PURCHASER: TAG TOWERS, LLC

PROJECT: 300FT RTL SELF SUPPORT TOWER
CK CUMBERLAND PKWY, KY

FILE NUMBER: 242027

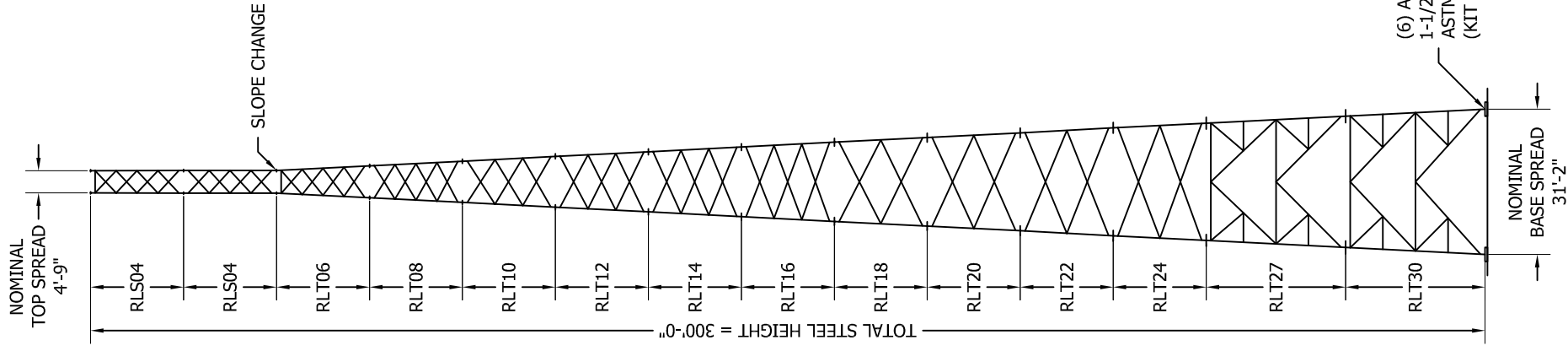
I CERTIFY THAT THE ATTACHED DRAWINGS WERE PREPARED UNDER MY SUPERVISION IN ACCORDANCE WITH THE DESIGN AND LOADING CRITERIA SPECIFIED BY THE PURCHASER AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF KENTUCKY.

Stephen J. Yeo
12/21/2022

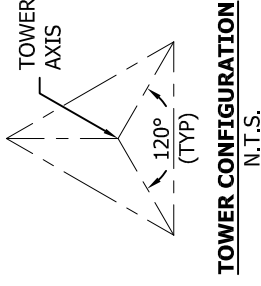


GENERAL NOTES

- ROHN PRODUCTS, LLC TOWER DESIGNS CONFORM TO ANSI/TIA-222-G UNLESS OTHERWISE SPECIFIED UNDER TOWER DESIGN LOADING.
- THE DESIGN LOADING CRITERIA INDICATED HAS BEEN PROVIDED TO ROHN. THE DESIGN LOADING CRITERIA HAS BEEN ASSUMED TO BE BASED ON SITE-SPECIFIC DATA IN ACCORDANCE WITH ANSI/TIA-222-G AND MUST BE VERIFIED BY OTHERS PRIOR TO INSTALLATION.
- ANTENNAS AND LINES LISTED IN TOWER DESIGN LOADING TABLE ARE PROVIDED BY OTHERS UNLESS OTHERWISE SPECIFIED.
- STEP BOLTS WITH SAFETY CLIMB SYSTEM ARE PROVIDED AS A CLIMBING FACILITY FOR THE INSTALLATION OF THE STRUCTURE.
- TOWER MEMBER DESIGN DOES NOT INCLUDE STRESSES DUE TO ERECTION SINCE ERECTION EQUIPMENT AND CONDITIONS ARE UNKNOWN. DESIGN ASSUMES COMPETENT AND QUALIFIED PERSONNEL WILL ERECT THE TOWER.
- WORK SHALL BE IN ACCORDANCE WITH ANSI/TIA-222-G, "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES".
- THE MINIMUM YIELD STRENGTH OF STRUCTURAL STEEL MEMBERS SHALL BE 50 KSI.
- FIELD CONNECTIONS SHALL BE BOLTED. NO FIELD WELDS SHALL BE ALLOWED.
- STRUCTURAL BOLTS SHALL CONFORM TO GRADE A325 PER ASTM F3125, EXCEPT WHERE NOTED.
- A NUT LOCKING DEVICE IS PROVIDED FOR ALL TOWER BOLTS.
- STRUCTURAL STEEL AND CONNECTION BOLTS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION, IN ACCORDANCE WITH ANSI/TIA-222-G.
- ALL HIGH STRENGTH BOLTS, UNLESS OTHERWISE NOTED FOR DOUBLE ANGLE MEMBERS, ARE TO BE TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED IN THE RSC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS". NO OTHER MINIMUM BOLT TENSION OR TORQUE VALUES ARE REQUIRED.
- PURCHASER SHALL VERIFY THE INSTALLATION IS IN CONFORMANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS FOR OBSTRUCTION MARKING AND LIGHTING.
- TOLERANCE ON TOWER STEEL HEIGHT IS EQUAL TO PLUS 1% OR MINUS 1/2%.
- DESIGN ASSUMES THAT, AS A MINIMUM, MAINTENANCE AND INSPECTION WILL BE PERFORMED OVER THE LIFE OF THE STRUCTURE IN ACCORDANCE WITH ANSI/TIA-222-G.
- DESIGN ASSUMES LEVEL GRADE AT TOWER SITE.
- DESIGN ASSUMES ALL ANTENNAS ARE MOUNTED SYMMETRICALLY TO MINIMIZE TORQUE, IF APPLICABLE.
- FOUNDATIONS SHALL BE DESIGNED TO SUPPORT THE REACTIONS SHOWN FOR THE CONDITIONS EXISTING AT THE SITE.



MAXIMUM FACTORED REACTIONS	
COMPRESSION PER LEG =	376.6 KIPS
TENSION PER LEG =	313.2 KIPS
SHEAR PER LEG =	34.6 KIPS
TOTAL SHEAR =	56.8 KIPS
TOTAL O.T.M =	9,448.9 FT-KIPS



TOWER DESIGN LOADING

DESIGN WIND LOAD PER ANSI/TIA-222-G USING THE FOLLOWING DESIGN CRITERIA:
 ASCE 7-16 ULTIMATE WIND SPEED (NO ICE): 105 MPH
 BASIC WIND SPEED (W/ICE): 30 MPH PER ASCE 7-16
 DESIGN ICE THICKNESS: 1.50" PER ASCE 7-16
 EXPOSURE CATEGORY: B
 STRUCTURE CLASS: II
 TOPOGRAPHIC CATEGORY: 1
 EARTHQUAKE SPECTRAL RESPONSE ACCELERATION: Ss: 0.184, S1: 0.102, SITE CLASS: D

THIS STRUCTURE HAS BEEN DESIGNED TO SUPPORT THE FOLLOWING LOADS:

ELEVATION (FT)	ANTENNA LOADING	LINE SIZE (NOM)
TOP	BEACON & LIGHTNING ROD	(1) 0-3/4" CONDUIT
TOP	(12) NHH-65B-R2B, (12) RRU'S, & (3) RAYCAPS ON (3) SECTOR FRAMES	(12) 1-5/8"
285	(6) NNH4-65B-R6H4, (2) RAYCAPS, (3) RRH 8843, (3) RRH 4478, & (3) RRH 4449 ON (3) SECTOR FRAMES	(15) 1-5/8"
270	(9) SBNH-1D8585C, (9) RRU-11, & (3) RAYCAPS ON (3) SECTOR FRAMES	(9) 1-5/8"
255	(9) SBNH-1D8585C, (9) RRU-11, & (3) RAYCAPS ON (3) SECTOR FRAMES	(9) 1-5/8"

SECTION MAIN MEMBER SCHEDULE

SECTION	LEGS	DIAGONALS	HORIZONTALS
RLS04	PIPE 2.875x0.203	L1 3/4x1 3/4x1/8 (4)	L1 3/4x1 3/4x3/16 (1)
RLS04	PIPE 3.500x0.216	L1 3/4x1 3/4x1/8 (4)	N/A
RLT06	PIPE 4x0.226	L1 3/4x1 3/4x1/8 (4)	L1 3/4x1 3/4x3/16 (1)
RLT08	PIPE 4x0.318	L1 3/4x1 3/4x1/8 (4)	N/A
RLT10	PIPE 4.500x0.337	L2x2x3/16 (3)	N/A
RLT12	PIPE 5.563x0.375	L2 1/2x2 1/2x3/16 (3)	N/A
RLT14	PIPE 5.563x0.375	L2 1/2x2 1/2x3/16 (3)	N/A
RLT16	PIPE 5.563x0.375	L3x3x3/16 (3)	N/A
RLT18	PIPE 6.625x0.340	L3x3x3/16 (2)	N/A
RLT20	PIPE 6.625x0.432	L3x3x1/4 (2)	N/A
RLT22	PIPE 6.625x0.432	L3 1/2x3 1/2x1/4 (2)	N/A
RLT24	PIPE 8.625x0.375	L3 1/2x3 1/2x1/4 (2)	N/A
RLT27	PIPE 8.625x0.375	L4x4x1/4 (2)	L3 1/2x3 1/2x1/4 (2)
RLT30	PIPE 8.625x0.375	L4x4x1/4 (2)	L3 1/2x3 1/2x1/4 (2)

NOTE:

SECTION NUMBERS ARE FOR REFERENCE ONLY. FOR NOMINAL FACE WIDTH DIMENSIONS, REFER TO THE STRESS ANALYSIS. THE NUMBERS SHOWN IN PARENTHESES INDICATE THE NUMBER OF BAYS FROM TOP TO BOTTOM.

FILE NO.

242027

REV.	DESCRIPTION	DWN	CHK	APP



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 PEORIA, IL 61601-5999
 TOLL FREE 800-727-ROHN

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TAG TOWERS, LLC
 DESIGN PROFILE
 300 FT RTL TOWER
 CK CUMBERLAND PKWY, KY

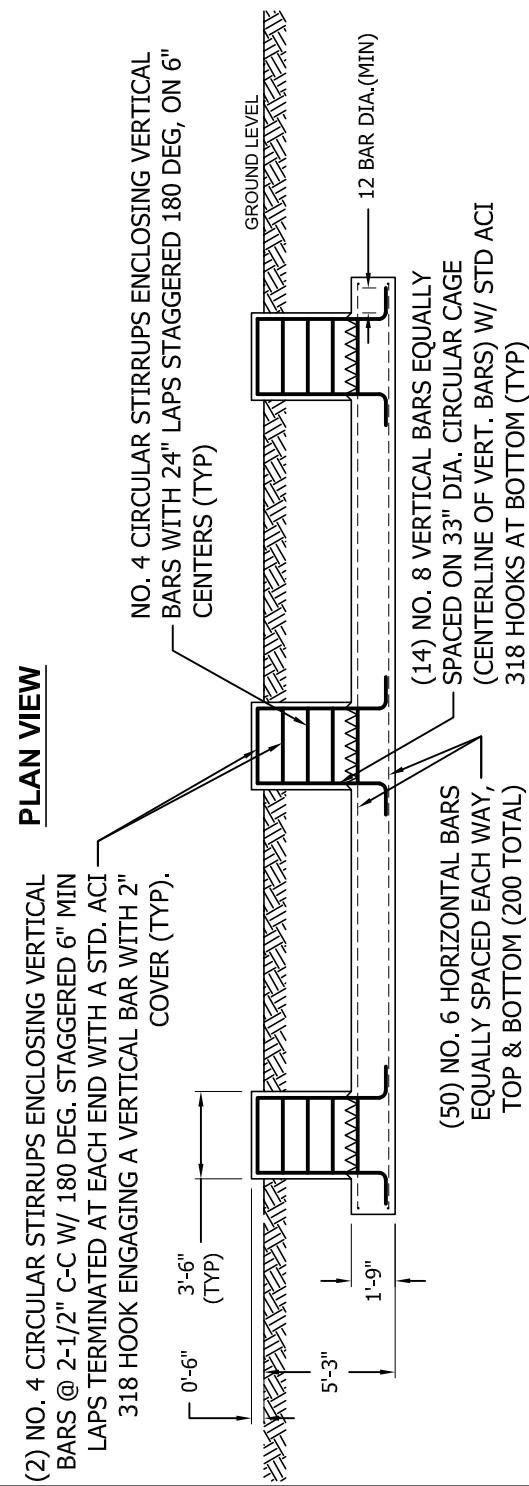
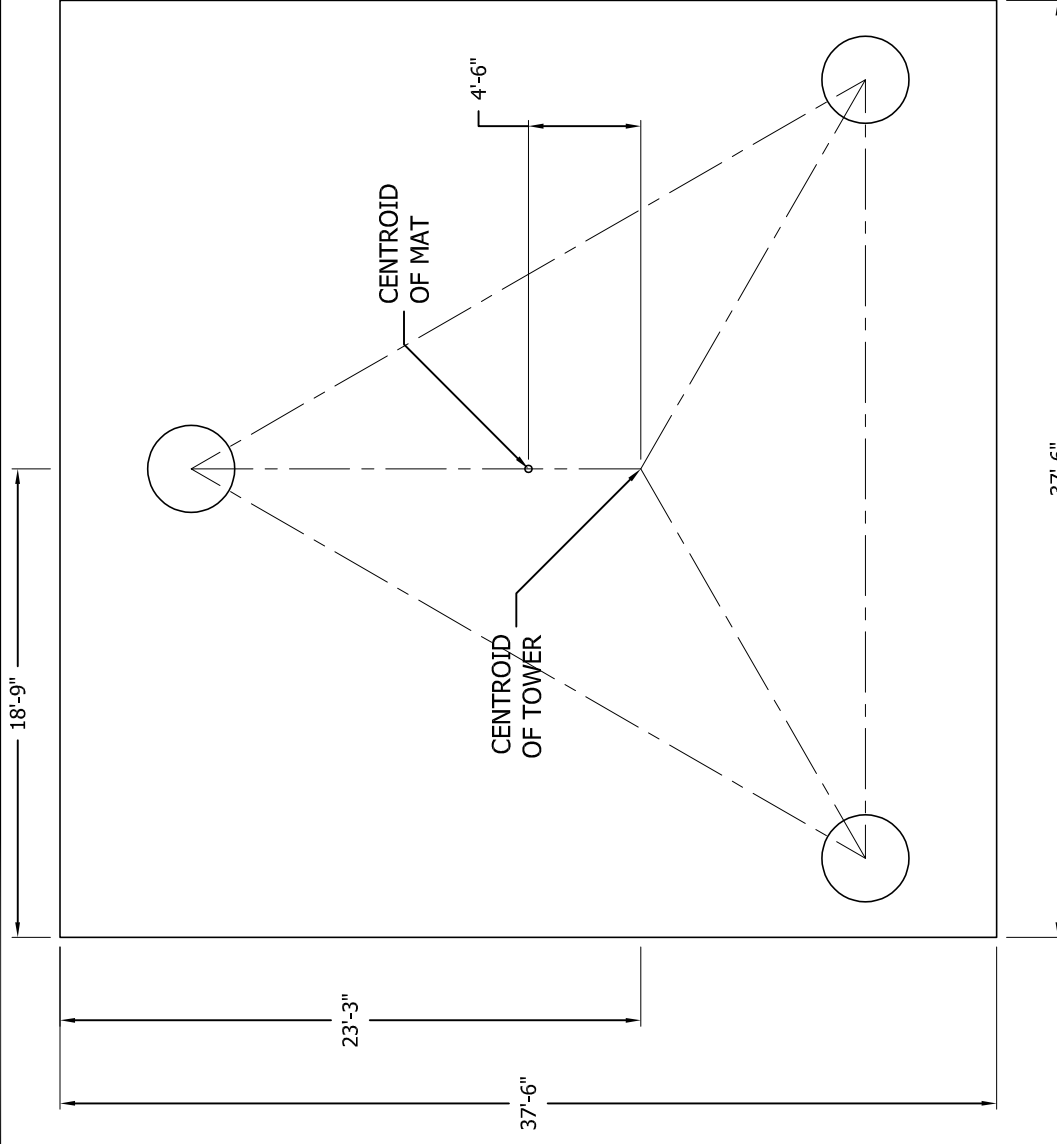
DWN:	DLT	CHK'D:	DATE:
ENGR:	SY	SHEET #:	1 OF 1
PRJ. ENGR:	DLT	PRJ. MANGR:	

DRAWING NO:

242027-01-D1

REV:

0



FACTORED REACTIONS

Maximum O. T. M =	9,448.9 FT-K
Total Tower Wt =	66.3 KIPS
Total Shear =	56.8 KIPS
Max. Shear/Leg =	34.6 KIPS
Max. Ten./Leg =	313.2 KIPS
Max. Comp./Leg =	376.6 KIPS

CONCRETE VOLUME

ROUND PIERS	4.3 CU.YDS
PAD	91.1 CU.YDS
TOTAL	95.4 CU.YDS

GENERAL NOTES

- 1 FOUNDATION DESIGN HAS BEEN DEVELOPED IN ACCORDANCE WITH GENERALLY ACCEPTED PROFESSIONAL ENGINEERING PRINCIPLES AND PRACTICES WITHIN THE LIMITS OF THE SUBSURFACE DATA PROVIDED. FOUNDATION DESIGN MODIFICATIONS MAY BE REQUIRED IN THE EVENT THE FOLLOWING DESIGN PARAMETERS ARE NOT APPLICABLE FOR THE SUBSURFACE CONDITIONS ENCOUNTERED.
 - A) ULTIMATE SOIL BEARING PRESSURE AT 5.25 FT DEPTH = 40,000 PSF.
 - B) GROUND WATER TABLE IS AT OR BELOW FOUNDATION DEPTH.
 - C) MAXIMUM FROST PENETRATION DEPTH LESS THAN FOUNDATION DEPTH.
- 2 WORK SHALL BE IN ACCORDANCE WITH THE PROJECT CONSTRUCTION DOCUMENTS, LOCAL CODES, SAFETY REGULATIONS AND UNLESS OTHERWISE NOTED, THE LATEST REVISION OF ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE". PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION.
- 3 CONCRETE MATERIALS SHALL CONFORM TO THE APPROPRIATE STATE REQUIREMENTS FOR EXPOSED STRUCTURAL CONCRETE.
- 4 PROPORTIONS OF CONCRETE MATERIALS SHALL BE SUITABLE FOR THE INSTALLATION METHOD UTILIZED AND SHALL RESULT IN DURABLE CONCRETE FOR RESISTANCE TO LOCAL ANTICIPATED AGGRESSIVE ACTIONS. THE DURABILITY REQUIREMENTS OF ACI 318 SHALL BE SATISFIED BASED ON THE CONDITIONS EXPECTED AT THE SITE. AS A MINIMUM, CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI IN 28 DAYS.
- 5 MAXIMUM SIZE OF AGGREGATE SHALL NOT EXCEED SIZE SUITABLE FOR INSTALLATION METHOD UTILIZED OR 3/4 CLEAR DISTANCE BEHIND OR BETWEEN REINFORCING. WORKABILITY AND METHODS OF CONSOLIDATION SUCH AS VIBRATING SHALL BE UTILIZED TO PREVENT HONEYCOMBS OR VOIDS.
- 6 REINFORCEMENT SHALL BE DEFORMED AND CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60 UNLESS OTHERWISE NOTED. SPLICES IN REINFORCEMENT SHALL NOT BE ALLOWED UNLESS OTHERWISE INDICATED.
- 7 WELDING IS PROHIBITED ON REINFORCING STEEL AND EMBEDMENTS.
- 8 MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 3 INCHES UNLESS OTHERWISE NOTED. APPROVED SPACERS SHALL BE USED TO INSURE A 3 INCH MINIMUM COVER ON REINFORCEMENT.
- 9 CONCRETE COVER FROM TOP OF FOUNDATION TO ENDS OF VERTICAL REINFORCEMENT SHALL NOT EXCEED 3 INCHES NOR BE LESS THAN 2 INCHES.
- 10 FOUNDATION DESIGN ASSUMES STRUCTURAL BACKFILL TO BE COMPACTED IN 8 INCH MAXIMUM LAYERS TO 95% OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D1557. ADDITIONALLY, STRUCTURAL BACKFILL MUST HAVE A MINIMUM COMPACTED UNIT WEIGHT OF 110 POUNDS PER CUBIC FOOT.
- 11 FOUNDATION DESIGN HAS BEEN BASED ON GEOTECHNICAL REPORT NO. **PR-008746** DATED **9/15/2022** BY **FDH INFRASTRUCTURE SERVICES**.
- 12 FOUNDATION DEPTH INDICATED IS BASED ON THE GRADE LINE DESCRIBED IN THE REFERENCED GEOTECHNICAL REPORT. FOUNDATION MODIFICATION MAY BE REQUIRED IN THE EVENT CUT OR FILL OPERATIONS HAVE TAKEN PLACE SUBSEQUENT TO THE GEOTECHNICAL INVESTIGATION.
- 13 FOUNDATION DESIGN ASSUMES THE RECOMMENDATIONS IN THE REFERENCED GEOTECHNICAL REPORT CONCERNING VERIFICATION OF SUBSURFACE CONDITIONS ARE IMPLEMENTED PRIOR TO PLACEMENT OF CONCRETE.
- 14 FOUNDATION INSTALLATION SHALL BE SUPERVISED BY PERSONNEL KNOWLEDGEABLE AND EXPERIENCED WITH THE PROPOSED FOUNDATION TYPE. CONSTRUCTION SHALL BE IN ACCORDANCE WITH GENERALLY ACCEPTED INSTALLATION PRACTICES.
- 15 ALL CONSTRUCTION AND SAFETY EQUIPMENT AND TEMPORARY SUPPORTS REQUIRED FOR CONSTRUCTION SHALL BE DETERMINED, FURNISHED AND INSTALLED BY THE CONTRACTOR BASED ON THE MEANS AND METHODS CHOSEN BY THE CONTRACTOR. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED BY COMPETENT, QUALIFIED AND TRAINED PERSONNEL.
- 16 FOUNDATION DESIGN ASSUMES INSTALLATION PROCEDURES WILL INCORPORATE THE PROCEDURES RECOMMENDED IN THE REFERENCED GEOTECHNICAL REPORT.
- 17 FOUNDATION DESIGN ASSUMES FIELD INSPECTIONS WILL BE PERFORMED TO VERIFY THAT CONSTRUCTION MATERIALS, INSTALLATION METHODS AND ASSUMED DESIGN PARAMETERS ARE ACCEPTABLE BASED ON CONDITIONS EXISTING AT THE SITE.
- 18 FOR FOUNDATION AND ANCHOR TOLERANCES SEE ANCHOR ROD LAYOUT DRAWING.
- 19 LOOSE MATERIAL SHALL BE REMOVED FROM BOTTOM OF EXCAVATION PRIOR TO CONCRETE PLACEMENT. SIDES OF EXCAVATION SHALL BE ROUGH AND FREE OF LOOSE CUTTINGS.
- 20 CONCRETE SHALL BE PLACED IN A MANNER THAT WILL PREVENT SEGREGATION OF CONCRETE MATERIALS, INFILTRATION OF WATER OR SOIL AND OTHER OCCURRENCES WHICH MAY DECREASE THE STRENGTH OR DURABILITY OF THE FOUNDATION.
- 21 CONCRETE PREFERABLY SHALL BE PLACED AGAINST UNDISTURBED SOIL. WHEN FORMS ARE NECESSARY, THEY SHALL BE REMOVED PRIOR TO PLACING STRUCTURAL BACKFILL.
- 22 CONSTRUCTION JOINTS, IF REQUIRED AT THE BASE OF THE PIERS, SHALL BE INTENTIONALLY ROUGHENED TO A FULL AMPLITUDE OF 1/4 INCH. FOUNDATION DESIGN ASSUMES NO OTHER CONSTRUCTION JOINTS.
- 23 TOP OF FOUNDATION SHALL BE SLOPED TO DRAIN WITH A FLOATED FINISH.
- 24 EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" X 3/4" MINIMUM.

FILE NO. 242027

REVISIONS			
REV.	DESCRIPTION	DWN	CHK APP



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TOLL FREE 800-727-ROHN

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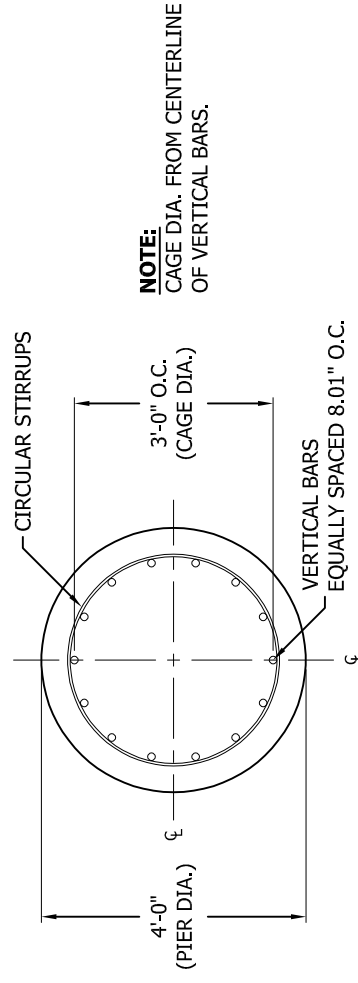
TAG TOWERS, LLC
MAT W/RAISED PIERS
FOUNDATION DESIGN
CK CUMBERLAND PKWY, KY

DWN:	DLT	CHK'D:	DATE:
ENGR:	SY	SHEET #:	12/09/2022
PRJ. ENGR:	DLT	PRJ. MANGR:	1 OF 1
DRAWING NO:	242027-01-F1		
REV:	0		

REVISIONS				
REV.	DESCRIPTION	DWN	CHK	APP

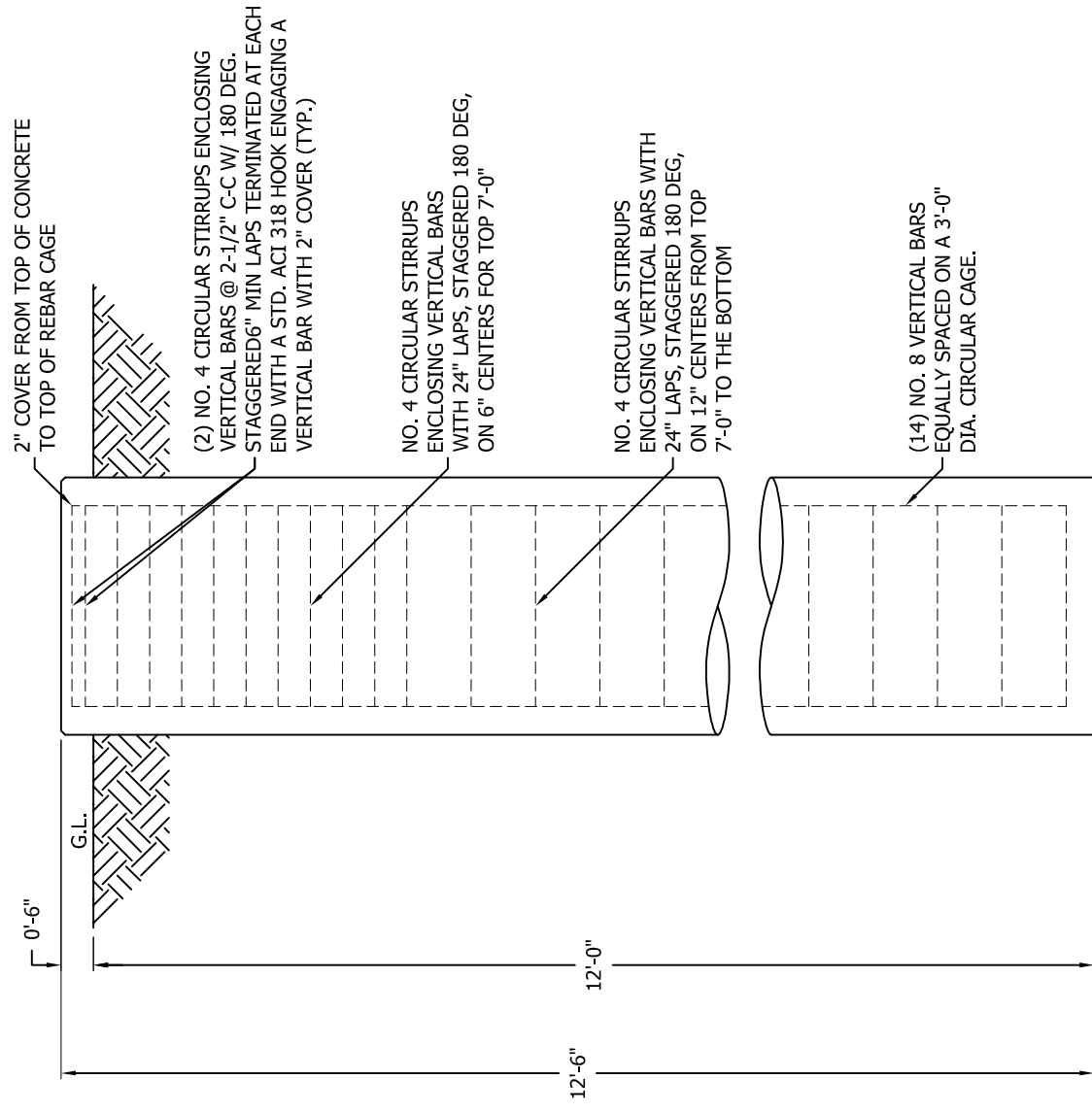
GENERAL NOTES:

- FOUNDATION DESIGN HAS BEEN DEVELOPED IN ACCORDANCE WITH GENERALLY ACCEPTED PROFESSIONAL ENGINEERING PRINCIPLES AND PRACTICES WITHIN THE LIMITS OF THE SUBSURFACE DATA PROVIDED. FOUNDATION DESIGN MODIFICATIONS MAY BE REQUIRED IN THE EVENT THE FOLLOWING DESIGN PARAMETERS ARE NOT APPLICABLE FOR THE SUBSURFACE CONDITIONS ENCOUNTERED.
 - DEPTH NEGLECTED FOR SKIN FRICTION = TOP 2.5 FT
 - AVERAGE ULTIMATE SKIN SHEAR FOR UPLIFT: 2.5 FT TO 12.0 FT DEPTH = 4500 PSF.
 - AVERAGE ULTIMATE SKIN SHEAR FOR DOWNLOAD: 2.5 FT TO 12.0 FT DEPTH = 4500 PSF.
 - ULTIMATE NET END BEARING AT 12.0 FT = 50.00 KSF.
 - GROUNDWATER TABLE BELOW FOUNDATION DEPTH.
- WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES, SAFETY REGULATIONS AND UNLESS OTHERWISE NOTED, THE LATEST REVISION OF ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE". PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION.
- CONCRETE MATERIALS SHALL CONFORM TO THE APPROPRIATE STATE REQUIREMENTS FOR EXPOSED STRUCTURAL CONCRETE.
- PROPORTIONS OF CONCRETE MATERIALS SHALL BE SUITABLE FOR THE INSTALLATION METHOD UTILIZED AND SHALL RESULT IN DURABLE CONCRETE FOR RESISTANCE TO LOCAL ANTICIPATED AGGRESSIVE ACTIONS. THE DURABILITY REQUIREMENTS OF ACI 318 CHAPTER 4 SHALL BE SATISFIED BASED ON THE CONDITIONS EXPECTED AT THE SITE. AS A MINIMUM, CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI (31.0 MPA) IN 28 DAYS.
- MAXIMUM SIZE OF AGGREGATE SHALL NOT EXCEED SIZE SUITABLE FOR INSTALLATION METHOD UTILIZED OR 1/3 CLEAR DISTANCE BEHIND OR BETWEEN REINFORCING. MAXIMUM SIZE MAY BE INCREASED TO 2/3 CLEAR DISTANCE PROVIDED WORKABILITY AND METHODS OF CONSOLIDATION SUCH AS VIBRATING WILL PREVENT HONEYCOMBS OR VOIDS.
- REINFORCEMENT SHALL BE DEFORMED AND CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60 UNLESS OTHERWISE NOTED. SPLICES IN REINFORCEMENT SHALL NOT BE ALLOWED UNLESS OTHERWISE INDICATED.
- REINFORCING CAGES SHALL BE BRACED TO RETAIN PROPER DIMENSIONS DURING HANDLING AND THROUGHOUT PLACEMENT OF CONCRETE. WHEN TEMPORARY CASING IS UTILIZED, BRACING SHALL BE ADEQUATE TO RESIST FORCES OCCURRING FROM FLOWING CONCRETE DURING CASING EXTRACTION.
- WELDING IS PROHIBITED ON REINFORCING STEEL AND EMBEDMENTS.
- MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 3 INCHES (76 MM) UNLESS OTHERWISE NOTED. APPROVED SPACERS SHALL BE USED TO INSURE A 3 INCH (76 MM) MINIMUM COVER ON REINFORCEMENT.
- SPACERS SHALL BE ATTACHED INTERMITTENTLY THROUGHOUT THE ENTIRE LENGTH OF VERTICAL REINFORCING CAGES TO INSURE CONCENTRIC PLACEMENT OF CAGES IN EXCAVATIONS.
- FOUNDATION DESIGN HAS BEEN BASED ON GEOTECHNICAL REPORT NO. **PR-008746** DATED **09/15/2022** BY **FDH INFRASTRUCTURE SERVICES**.
- FOUNDATION DEPTH INDICATED IS BASED ON THE GRADE LINE DESCRIBED IN THE REFERENCED GEOTECHNICAL REPORT. FOUNDATION MODIFICATION MAY BE REQUIRED IN THE EVENT CUT OR FILL OPERATIONS HAVE TAKEN PLACE SUBSEQUENT TO THE GEOTECHNICAL INVESTIGATION.
- FOUNDATION DESIGN ASSUMES THE RECOMMENDATIONS IN THE REFERENCED GEOTECHNICAL REPORT CONCERNING VERIFICATION OF SUBSURFACE CONDITIONS ARE IMPLEMENTED PRIOR TO PLACEMENT OF CONCRETE.
- FOUNDATION INSTALLATION SHALL BE SUPERVISED BY PERSONNEL KNOWLEDGEABLE AND EXPERIENCED WITH THE PROPOSED FOUNDATION TYPE. CONSTRUCTION SHALL BE IN ACCORDANCE WITH GENERALLY ACCEPTED INSTALLATION PRACTICES.
- FOUNDATION DESIGN ASSUMES INSTALLATION PROCEDURES WILL INCORPORATE THE PROCEDURES RECOMMENDED IN THE REFERENCED GEOTECHNICAL REPORT.
- FOUNDATION DESIGN ASSUMES FIELD INSPECTIONS WILL BE PERFORMED TO VERIFY THAT CONSTRUCTION MATERIALS, INSTALLATION METHODS AND ASSUMED DESIGN PARAMETERS ARE ACCEPTABLE BASED ON CONDITIONS EXISTING AT THE SITE.
- FOR FOUNDATION INSTALLATION TOLERANCES SEE STRUCTURE ASSEMBLY DRAWING.
- LOOSE MATERIAL SHALL BE REMOVED FROM BOTTOM OF EXCAVATION PRIOR TO CONCRETE PLACEMENT. SIDES OF EXCAVATION SHALL BE ROUGH AND FREE OF LOOSE CUTTINGS.
- CONCRETE SHALL BE PLACED IN A MANNER THAT WILL PREVENT SEGREGATION OF CONCRETE MATERIALS, INFILTRATION OF WATER OR SOIL AND OTHER OCCURRENCES WHICH MAY DECREASE THE STRENGTH OR DURABILITY OF THE FOUNDATION.
- FREE FALL CONCRETE MAY BE USED PROVIDED FALL IS VERTICAL DOWN WITHOUT HITTING SIDES OF EXCAVATION, FORMWORK, REINFORCING BARS, FORM TIES, CAGE BRACING OR OTHER OBSTRUCTIONS. UNDER NO CIRCUMSTANCES SHALL CONCRETE FALL THROUGH WATER.
- TOP OF FOUNDATION OUTSIDE LIMITS OF ANCHOR BOLTS SHALL BE SLOPED TO DRAIN WITH A FLOATED FINISH. AREA INSIDE LIMITS OF ANCHOR BOLTS SHALL BE LEVEL WITH A SCRATCHED FINISH.
- EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" X 3/4" (19MM X 19MM) MINIMUM.
- FOUNDATION DESIGN ASSUMES CASING, IF USED, WILL NOT BE LEFT IN PLACE. EQUIPMENT, PROCEDURES, AND PROPORTIONS OF CONCRETE MATERIALS SHALL INSURE CONCRETE WILL NOT BE ADVERSELY DISTURBED UPON CASING REMOVAL.



PLAN VIEW

N.T.S.



ELEVATION VIEW

N.T.S.

FACTORED REACTIONS/LEG

DOWNLOAD =	376.6 KIPS
UPLIFT =	313.2 KIPS
SHEAR =	34.6 KIPS

VOLUME OF CONCRETE

(1) FOUNDATION	5.8 CU. YDS
(3) FOUNDATIONS	17.4 CU. YDS

ROHN[®]
PRODUCTS LLC

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TAG TOWERS, LLC
DRILLED PIER
FOUNDATION DETAILS
CK CUMBERLAND PKWY, KY

DWN:	DLT	CHK'D:	DATE:
ENGR:	SY	SHEET #:	12/21/2022
PRJ. ENGR:	DLT	PRJ. MANGR:	1 OF 1
DRAWING NO:	242027-01-F2		
REV:	0		



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 Peoria, IL

File: W:\Jobs\2022\242027\ENGINEERING\242027.out
 Contract: 242027
 Project: 300 FT RTL TOWER
 Date and Time: 12/21/2022 9:00:10 AM

Revision: 0
 Site: CK CUMBERLAND PKWY- KY
 Engineer: DLT

Section A: PROJECT DATA

Project Title: 300 FT RTL TOWER
 Customer Name: TAG TOWERS- LLC
 Site: CK CUMBERLAND PKWY- KY
 Contract No.: 242027
 Revision: 0
 Engineer: DLT
 Date: Dec 21 2022
 Time: 08:59:30 AM

Design Standard: ANSI/TIA-222-G-2005 Addendum 2

GENERAL DESIGN CONDITIONS

Start wind direction: 0.00 (Deg)
 End wind direction: 330.00 (Deg)
 Increment wind direction: 30.00 (Deg)
 Elevation above ground: 0.00 (ft)
 Gust Response Factor Gh: 0.85
 Structure class: II
 Exposure category: B
 Topographic category: 1
 Material Density: 490.1 (lbs/ft^3)
 Young's Modulus: 29000.0 (ksi)
 Poisson Ratio: 0.30
 Weight Multiplier: 1.00
 Minimum Bracing Resistance as per 4.4.1

WIND ONLY CONDITIONS:

Ultimate Design Wind Speed (No Ice): 105.00 (mph)
 Nominal Design Wind Speed (No Ice): 81.33 (mph)
 Directionality Factor Kd: 0.85
 Importance Factor I: 1.00
 Wind Load Factor: 1.60
 Dead Load Factor: 1.20
 Dead Load Factor for Uplift: 0.90

WIND AND ICE CONDITIONS:

Basic Wind Speed (With Ice): 30.00 (mph)
 Directionality Factor Kd: 0.85
 Wind Load Importance Factor Iw: 1.00
 Ice Thickness Importance Factor Ii: 1.00
 Ice Thickness: 0.75 (in)
 Ice Density: 56.19 (lbs/ft^3)
 Wind Load Factor: 1.00
 Dead Load Factor: 1.20
 Ice Load Factor: 1.00

WIND ONLY SERVICEABILITY CONDITIONS:

Serviceability Wind Speed: 60.00 (mph)
 Directionality Factor Kd: 0.85
 Importance Factor I: 1.00
 Wind Load Factor: 1.00
 Dead Load Factor: 1.00

PATTERN LOADING (IF APPLICABLE) CONDITIONS:

Ultimate Design Wind Speed (No Ice): 105.00 (mph)
 Nominal Design Wind Speed (No Ice): 81.33 (mph)
 Directionality Factor Kd: 0.85
 Importance Factor I: 1.00
 Wind Load Factor: 1.60
 Dead Load Factor: 1.20



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Site: CK CUMBERLAND PKWY- KY
Engineer: DLT

Dead Load Factor for Uplift: 0.90

EARTHQUAKE CONDITIONS:

Site class definition: D
Spectral response acceleration Ss: 0.184
Spectral response acceleration S1: 0.102
Acceleration-based site coefficient Fa: 1.600
Velocity-based site coefficient Fv: 2.392
Design spectral response acceleration Sds: 0.196
Design spectral response acceleration Sd1: 0.163
Seismic analysis method: 1
Fundamental frequency of structure f1: 0.512
Total seismic shear Vs (Kips) : 1.84

Analysis performed using: TowerSoft Finite Element Analysis Program

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Section B: STRUCTURE GEOMETRY

TOWER GEOMETRY

Cross-Section	Height (ft)	Tot Height (ft)	# of Section	Bot Width (in)	Top Width (in)
Triangular	300.00	300.00	14	373.97	56.99

SECTION GEOMETRY

Sec #	Sec. Name	Elevation		Widths		Legs (lbs)	Brcg. (lbs)	Masses			Brcg. Clear. (in)	
		Bottom (ft)	Top (ft)	Bottom (in)	Top (in)			Sec.Brc (lbs)	Int.Brc (lbs)	Sect. (lbs)		Database (lbs)
14	RLS04	280.00	300.00	58	57	351	267	0	0	618	0	0.787
13	RLS04	260.00	280.00	58	58	459	238	0	0	697	0	0.787
12	RLT06	240.00	260.00	82	58	552	295	0	0	846	0	0.787
11	RLT08	220.00	240.00	106	82	756	320	0	0	1076	0	0.787
10	RLT10	200.00	220.00	131	106	905	520	0	0	1425	0	0.787
9	RLT12	180.00	200.00	155	131	1252	755	0	0	2007	0	0.787
8	RLT14	160.00	180.00	179	155	1252	853	0	0	2105	0	0.787
7	RLT16	140.00	160.00	204	179	1252	1156	0	0	2409	0	0.787
6	RLT18*	120.00	140.00	228	204	1373	917	0	0	2290	0	0.787
5	RLT20*	100.00	120.00	252	228	1722	1316	0	0	3037	0	0.787
4	RLT22*	80.00	100.00	278	252	1722	1674	0	0	3396	0	0.787
3	RLT24*	60.00	80.00	302	278	1987	1805	0	0	3792	0	0.787
2	RLT27*	30.00	60.00	338	302	2980	2505	1098	447	7030	0	0.787
1	RLT30*	0.00	30.00	374	338	2980	2691	1191	573	7436	0	0.787
Total Mass:						19542	15313	2289	1020	38165	0	

PANEL GEOMETRY

Sec#	Pnl#	Type	SecBrcg	Mid. Horiz Continuous	Horiz	Height (ft)	Bottom Width (in)	Top Width (in)	Plan Bracing	Hip Bracing	Gusset Plate Area (ft^2)	Gusset Plate Weight (lbs)
14	4	X	(None)		Yes	5.0	57.1	57.0	(None)	(None)	0.300	0.30
14	3	X	(None)		None	5.0	57.3	57.1	(None)	(None)	0.300	0.30
14	2	X	(None)		None	5.0	57.4	57.3	(None)	(None)	0.300	0.30
14	1	X	(None)		None	5.0	57.5	57.4	(None)	(None)	0.300	0.30
13	4	X	(None)		None	5.0	57.6	57.5	(None)	(None)	0.300	0.30
13	3	X	(None)		None	5.0	57.7	57.6	(None)	(None)	0.300	0.30
13	2	X	(None)		None	5.0	57.9	57.7	(None)	(None)	0.300	0.30
13	1	X	(None)		None	5.0	58.0	57.9	(None)	(None)	0.300	0.30
12	4	X	(None)	Yes	5.0	64.0	58.0	58.0	(None)	(None)	0.300	0.30
12	3	X	(None)		None	5.0	70.0	64.0	(None)	(None)	0.300	0.30
12	2	X	(None)		None	5.0	76.0	70.0	(None)	(None)	0.300	0.30
12	1	X	(None)		None	5.0	82.0	76.0	(None)	(None)	0.300	0.30
11	4	X	(None)		None	5.0	88.1	82.0	(None)	(None)	0.300	0.30
11	3	X	(None)		None	5.0	94.2	88.1	(None)	(None)	0.300	0.30
11	2	X	(None)		None	5.0	100.3	94.2	(None)	(None)	0.300	0.30
11	1	X	(None)		None	5.0	106.4	100.3	(None)	(None)	0.300	0.30
10	3	X	(None)		None	6.7	114.7	106.4	(None)	(None)	0.300	0.30
10	2	X	(None)		None	6.7	123.0	114.7	(None)	(None)	0.300	0.30
10	1	X	(None)		None	6.7	131.3	123.0	(None)	(None)	0.300	0.30
9	3	X	(None)		None	6.7	139.3	131.3	(None)	(None)	0.300	0.30
9	2	X	(None)		None	6.7	147.3	139.3	(None)	(None)	0.300	0.30
9	1	X	(None)		None	6.7	155.3	147.3	(None)	(None)	0.300	0.30
8	3	X	(None)		None	6.7	163.3	155.3	(None)	(None)	0.300	0.30
8	2	X	(None)		None	6.7	171.3	163.3	(None)	(None)	0.300	0.30
8	1	X	(None)		None	6.7	179.3	171.3	(None)	(None)	0.300	0.30
7	3	X	(None)		None	6.7	187.6	179.3	(None)	(None)	0.300	0.30
7	2	X	(None)		None	6.7	195.9	187.6	(None)	(None)	0.300	0.30
7	1	X	(None)		None	6.7	204.2	195.9	(None)	(None)	0.300	0.30
6	2	X	(None)		None	10.0	216.2	204.2	(None)	(None)	0.300	0.30



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6	1	X	(None)	None	10.0	228.2	216.2	(None)	(None)	0.300	0.30
5	2	X	(None)	None	10.0	240.2	228.2	(None)	(None)	0.300	0.30
5	1	X	(None)	None	10.0	252.2	240.2	(None)	(None)	0.300	0.30
4	2	X	(None)	None	10.0	265.1	252.2	(None)	(None)	0.300	0.30
4	1	X	(None)	None	10.0	278.0	265.1	(None)	(None)	0.300	0.30
3	2	X	(None)	None	10.0	290.0	278.0	(None)	(None)	0.300	0.30
3	1	X	(None)	None	10.0	302.0	290.0	(None)	(None)	0.300	0.30
2	2	K	2-Subdiv.	Yes	15.0	320.0	302.0	2-Subdiv.	(None)	0.300	0.30
2	1	K	2-Subdiv.	Yes	15.0	338.0	320.0	2-Subdiv.	(None)	0.300	0.30
1	2	K	2-Subdiv.	Yes	15.0	356.0	338.0	2-Subdiv.	(None)	0.300	0.30
1	1	K	2-Subdiv.	Yes	15.0	374.0	356.0	2-Subdiv.	(None)	0.300	0.30

MEMBER PROPERTIES

Sec/ Member	Type	Description	Steel Grade	Conn. Type	Bolt #-Size	Bolt Grade	End Dist.	Edge Dist.	Gusset Thick.	Gusset Grade	Bolt Space	Dble Mem.
14/4	Leg	PIPE 2.875x0.203	A500	gr.CSTension	4-0.750	A325X						
14/4	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
14/4	Horiz	L1 3/4x1 3/4x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
14/3	Leg	PIPE 2.875x0.203	A500	gr.CSTension	4-0.750	A325X						
14/3	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
14/2	Leg	PIPE 2.875x0.203	A500	gr.CSTension	4-0.750	A325X						
14/2	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
14/1	Leg	PIPE 2.875x0.203	A500	gr.CSTension	4-0.750	A325X						
14/1	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
13/4	Leg	PIPE 3.500x0.216	A500	gr.CSTension	4-0.875	A325X						
13/4	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
13/3	Leg	PIPE 3.500x0.216	A500	gr.CSTension	4-0.875	A325X						
13/3	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
13/2	Leg	PIPE 3.500x0.216	A500	gr.CSTension	4-0.875	A325X						
13/2	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
13/1	Leg	PIPE 3.500x0.216	A500	gr.CSTension	4-0.875	A325X						
13/1	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
12/4	Leg	PIPE 4x0.226	A500	gr.CSTension	4-0.875	A325X						
12/4	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
12/4	Horiz	L1 3/4x1 3/4x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
12/3	Leg	PIPE 4x0.226	A500	gr.CSTension	4-0.875	A325X						
12/3	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
12/2	Leg	PIPE 4x0.226	A500	gr.CSTension	4-0.875	A325X						
12/2	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
12/1	Leg	PIPE 4x0.226	A500	gr.CSTension	4-0.875	A325X						
12/1	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000



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11/4	Leg	PIPE 4x0.318	A500 gr.CSTension	5-0.875	A325X														
11/4	Diag	L1 3/4x1 3/4x1/8	A529 gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50									

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Engineer: DLT

																						2.000	
11/3	Leg	PIPE 4x0.318	A500	gr.CSTension	5-0.875	A325X																	
11/3	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50												2.000
11/2	Leg	PIPE 4x0.318	A500	gr.CSTension	5-0.875	A325X																	
11/2	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50												2.000
11/1	Leg	PIPE 4x0.318	A500	gr.CSTension	5-0.875	A325X																	
11/1	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50												2.000
10/3	Leg	PIPE 4.500x0.337	A500	gr.CSTension	5-1.000	A325X																	
10/3	Diag	L2x2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	1.000	0.250	A572	gr.50												2.000
10/2	Leg	PIPE 4.500x0.337	A500	gr.CSTension	5-1.000	A325X																	
10/2	Diag	L2x2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	1.000	0.250	A572	gr.50												2.000
10/1	Leg	PIPE 4.500x0.337	A500	gr.CSTension	5-1.000	A325X																	
10/1	Diag	L2x2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	1.000	0.250	A572	gr.50												2.000
9/3	Leg	PIPE 5.563x0.375	A500	gr.CSTension	5-1.000	A325X																	
9/3	Diag	L2 1/2x2 1/2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	1.250	0.250	A572	gr.50												2.000
9/2	Leg	PIPE 5.563x0.375	A500	gr.CSTension	5-1.000	A325X																	
9/2	Diag	L2 1/2x2 1/2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	1.250	0.250	A572	gr.50												2.000
9/1	Leg	PIPE 5.563x0.375	A500	gr.CSTension	5-1.000	A325X																	
9/1	Diag	L2 1/2x2 1/2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	1.250	0.250	A572	gr.50												2.000
8/3	Leg	PIPE 5.563x0.375	A500	gr.CSTension	5-1.000	A325X																	
8/3	Diag	L2 1/2x2 1/2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50												2.000
8/2	Leg	PIPE 5.563x0.375	A500	gr.CSTension	5-1.000	A325X																	
8/2	Diag	L2 1/2x2 1/2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50												2.000
8/1	Leg	PIPE 5.563x0.375	A500	gr.CSTension	5-1.000	A325X																	
8/1	Diag	L2 1/2x2 1/2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50												2.000
7/3	Leg	PIPE 5.563x0.375	A500	gr.CSTension	6-1.000	A325X																	
7/3	Diag	L3x3x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572	gr.50												2.000
7/2	Leg	PIPE 5.563x0.375	A500	gr.CSTension	6-1.000	A325X																	
7/2	Diag	L3x3x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572	gr.50												2.000
7/1	Leg	PIPE 5.563x0.375	A500	gr.CSTension	6-1.000	A325X																	
7/1	Diag	L3x3x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572	gr.50												2.000
6/2	Leg	PIPE 6.625x0.340	A500	gr.CSTension	6-1.000	A325X																	
6/2	Diag	L3x3x3/16	A529	gr.50Bolted	2-0.625	A325X	1.500	1.500	0.375	A572	gr.50												2.000
6/1	Leg	PIPE 6.625x0.340	A500	gr.CSTension	6-1.000	A325X																	
6/1	Diag	L3x3x3/16	A529	gr.50Bolted	2-0.625	A325X	1.500	1.500	0.375	A572	gr.50												2.000
5/2	Leg	PIPE 6.625x0.432	A500	gr.CSTension	6-1.000	A325X																	
5/2	Diag	L3x3x1/4	A529	gr.50Bolted	2-0.625	A325X	1.125	1.500	0.375	A572	gr.50												2.000
5/1	Leg	PIPE 6.625x0.432	A500	gr.CSTension	6-1.000	A325X																	
5/1	Diag	L3x3x1/4	A529	gr.50Bolted	2-0.625	A325X	1.125	1.500	0.375	A572	gr.50												2.000

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4/2	Leg	PIPE 6.625x0.432	A500 gr.CSTension	6-1.500	A325X								
4/2	Diag	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	1.750	0.375	A572	gr.50			
													2.000
4/1	Leg	PIPE 6.625x0.432	A500 gr.CSTension	6-1.500	A325X								
4/1	Diag	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	1.750	0.375	A572	gr.50			
													2.000
3/2	Leg	PIPE 8.625x0.375	A500 gr.CSTension	6-1.500	A325X								
3/2	Diag	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	1.500	0.375	A572	gr.50			
													2.000
3/1	Leg	PIPE 8.625x0.375	A500 gr.CSTension	6-1.500	A325X								
3/1	Diag	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	1.750	0.375	A572	gr.50			
													2.000
2/2	Leg	PIPE 8.625x0.375	A500 gr.CSTension	6-1.500	A325X								
2/2	Diag	L4x4x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	2.000	0.375	A572	gr.50			
													2.000
2/2	Horiz	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	1.500	0.375	A572	gr.50			
													2.000
2/2	SecD1	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572	gr.50			
													2.000
2/2	SecH1	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572	gr.50			
													2.000
2/2	PlanH1	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.750	0.250	A572	gr.50			
													2.000
2/1	Leg	PIPE 8.625x0.375	A500 gr.CSTension	6-1.500	A325X								
2/1	Diag	L4x4x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	2.000	0.375	A572	gr.50			
													2.000
2/1	Horiz	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	1.500	0.375	A572	gr.50			
													2.000
2/1	SecD1	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572	gr.50			
													2.000
2/1	SecH1	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572	gr.50			
													2.000
2/1	PlanH1	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.750	0.250	A572	gr.50			
													2.000
1/2	Leg	PIPE 8.625x0.375	A500 gr.CSTension	6-1.500	A325X								
1/2	Diag	L4x4x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	0.000	0.375	A572	gr.50			
													2.000
1/2	Horiz	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	1.500	0.375	A572	gr.50			
													2.000
1/2	SecD1	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572	gr.50			
													2.000
1/2	SecH1	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572	gr.50			
													2.000
1/2	PlanH1	L4x4x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	2.000	0.250	A572	gr.50			
													2.000
1/1	Leg	PIPE 8.625x0.375	A500 gr.CSTension	6-1.500	A325X								
1/1	Diag	L4x4x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	2.000	0.375	A572	gr.50			
													2.000
1/1	Horiz	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	1.750	0.375	A572	gr.50			
													2.000
1/1	SecD1	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572	gr.50			
													2.000
1/1	SecH1	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572	gr.50			
													2.000
1/1	PlanH1	L4x4x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	2.000	0.250	A572	gr.50			
													2.000

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Engineer: DLT

Section D: TRANSMISSION LINE DATA

Transmission Lines Position

No.	Bot El (ft)	Top El (ft)	Desc.	Radius (ft)	Az.	Orient.	No.	No. of Rows	Vert.	Antenna	User Ka
1	0.00	300.00	3/8 CABLE	19.00	0.00	0.00	1	1	Yes		
2	0.00	300.00	RC0.75-Cnd	14.68	60.00	5.00	1	1	No		
3	0.00	300.00	TX Ladder	9.72	60.00	30.00	1	1	No		
4	0.00	300.00	LDF7P-50A	9.72	60.00	30.00	12	2	No		
5	0.00	285.00	TX Ladder	9.72	180.00	150.00	1	1	No		
6	0.00	285.00	LDF7P-50A	9.72	180.00	150.00	15	2	No		
7	0.00	270.00	TX Ladder	9.72	300.00	270.00	1	1	No		
8	255.00	270.00	LDF7P-50A	1.60	300.00	270.00	9	2	No		
9	0.00	255.00	LDF7P-50A	9.72	300.00	270.00	18	2	No		

Transmission Lines Details

No.	Desc.	Width (in)	Depth (in)	Unit Mass (lb/ft)	Line Spacing (in)	Row Spacing (in)
1	3/8 CABLE	0.38	0.38	1.00	2.750	2.750
2	RC0.75-Cnd	1.05	1.05	1.09	2.750	2.750
3	TX Ladder	4.70	1.50	4.00	2.750	2.750
4	LDF7P-50A	2.01	2.01	0.92	2.250	2.750
5	TX Ladder	4.70	1.50	4.00	2.750	2.750
6	LDF7P-50A	2.01	2.01	0.92	2.250	2.750
7	TX Ladder	4.70	1.50	4.00	2.750	2.750
8	LDF7P-50A	2.01	2.01	0.92	2.250	2.750
9	LDF7P-50A	2.01	2.01	0.92	2.250	2.750

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Section F: POINT LOAD DATA

Structure Azimuth from North:0.00

POINT LOADS

No.	Description	Elev. (ft)	Radius (ft)	Azim. (Deg)	Orient. (Deg)	Vertical Offset (ft)	Tx Line	Comments
1	BEACON AND LIGHTNING ROD	300.00	1.00	0.0	0.0	0.00		
2	CARRIER	300.00	0.00	0.0	0.0	0.00		
3	CARRIER	285.00	0.00	0.0	0.0	0.00		
4	CARRIER	270.00	0.00	0.0	0.0	0.00		
5	CARRIER	255.00	0.00	0.0	0.0	0.00		

POINT LOADS WIND AREAS AND WEIGHTS

No.	Description	Frontal Bare Area (ft^2)	Lateral Bare Area (ft^2)	Frontal Iced Area (ft^2)	Lateral Iced Area (ft^2)	Weight Bare (Kips)	Weight Iced (Kips)	Gh
1	BEACON AND LIGHTNING ROD	5.00	5.00	10.00	10.00	0.25	0.50	0.85
2	CARRIER	92.00	92.00	202.00	202.00	3.40	8.95	0.85
3	CARRIER	77.00	77.00	165.00	165.00	2.90	7.90	0.85
4	CARRIER	110.00	110.00	200.00	200.00	2.95	7.95	0.85
5	CARRIER	110.00	110.00	200.00	200.00	2.95	7.95	0.85



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Section H: STRUCTURE DISPLACEMENT DATA

Load Combination Wind Only - Serviceability

Wind Direction Maximum displacements

Node	Elev. (ft)	N-S Disp (in)	W-E Disp (in)	Vert. Disp (in)	N-S Rot (Deg)	W-E Rot (Deg)	Twist (Deg)
135	300.0	18.9	-18.2	-0.2	0.74	0.71	0.01
132	295.0	18.1	-17.4	-0.2	0.73	0.71	0.01
129	290.0	17.4	-16.7	-0.2	0.73	0.71	0.01
126	285.0	16.6	-15.9	-0.2	0.72	0.70	0.01
123	280.0	15.8	-15.2	-0.2	0.72	0.69	0.01
120	275.0	15.1	-14.5	-0.2	0.69	0.67	0.01
117	270.0	14.4	-13.8	-0.2	0.69	0.67	-0.01
114	265.0	13.6	-13.1	-0.2	0.65	0.63	0.02
111	260.0	12.9	-12.4	-0.2	0.63	-0.60	-0.01
108	255.0	12.3	-11.8	-0.2	0.60	-0.58	0.01
105	250.0	11.7	-11.2	-0.2	0.57	-0.55	0.01
102	245.0	11.1	-10.6	-0.2	0.54	-0.52	0.01
99	240.0	10.5	-10.0	-0.2	0.52	-0.50	0.01
96	235.0	10.0	-9.5	-0.2	0.50	-0.48	-0.01
93	230.0	9.4	-9.0	-0.2	0.48	-0.46	0.01
90	225.0	8.9	-8.5	-0.2	0.45	-0.44	-0.01
87	220.0	8.5	-8.1	-0.2	0.43	-0.41	0.01
84	213.3	7.9	-7.5	-0.1	0.40	-0.39	-0.01
81	206.7	7.3	-7.0	-0.1	0.38	-0.36	0.01
78	200.0	6.8	-6.5	-0.1	0.36	-0.34	-0.01
75	193.3	6.3	-6.0	-0.1	0.34	-0.33	0.00
72	186.7	5.8	-5.5	-0.1	0.33	-0.31	-0.01
69	180.0	5.3	-5.1	-0.1	0.31	-0.30	0.00
66	173.3	4.9	-4.7	-0.1	0.30	-0.28	0.00
63	166.7	4.5	-4.3	-0.1	0.28	-0.27	0.00
60	160.0	4.1	-3.9	-0.1	0.26	-0.25	0.00
57	153.3	3.7	-3.6	-0.1	0.25	-0.24	0.00
54	146.7	3.4	-3.2	-0.1	0.23	-0.22	0.00
51	140.0	3.1	-2.9	-0.1	0.22	-0.21	0.00
48	130.0	2.6	-2.5	-0.1	0.19	-0.18	-0.01
45	120.0	2.2	-2.1	-0.1	0.18	-0.17	0.00
42	110.0	1.8	-1.8	-0.1	0.16	-0.15	0.00
39	100.0	1.5	-1.4	-0.1	0.14	-0.14	0.00
36	90.0	1.2	-1.2	-0.1	0.12	-0.12	0.00
33	80.0	1.0	-0.9	-0.1	0.11	-0.11	0.00
30	70.0	0.7	-0.7	-0.1	0.09	-0.09	0.00
26	60.0	0.5	-0.5	0.0	0.07	-0.07	0.00
20	45.0	0.3	-0.3	0.0	0.05	-0.05	0.00
14	30.0	0.1	0.1	0.0	0.03	-0.03	0.00
8	15.0	0.0	0.0	0.0	0.01	0.01	0.00
3	0.0	0.0	0.0	0.0	0.00	0.00	0.00

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Section L: STRENGTH ASSESSMENT SORTED DATA

Load Combination	Max Envelope										
Wind Direction	Maximum										
Sec	Pnl	Elev.	MType	Desc.	Len	kl/r	Gov.	Gov.	Max	Max	Asses.
		(ft)			(ft)		comp.	tens.	Compr.	Tens.	Ratio
							cap.	cap.	(Kips)	(Kips)	
							(Kips)	(Kips)			
14	4	295.00	Leg	PIPE 2.875x0.203	5.00	63.4	57.1	76.5	4.2	0.6	0.07
14	3	290.00	Leg	PIPE 2.875x0.203	5.00	63.4	57.1	76.5	6.9	4.1	0.12
14	2	285.00	Leg	PIPE 2.875x0.203	5.00	63.4	57.1	76.5	11.3	8.2	0.20
14	1	280.00	Leg	PIPE 2.875x0.203	5.00	63.4	57.1	76.5	18.0	12.7	0.32
13	4	275.00	Leg	PIPE 3.500x0.216	5.00	51.7	82.5	100.4	26.9	21.1	0.33
13	3	270.00	Leg	PIPE 3.500x0.216	5.00	51.7	82.5	100.4	34.6	28.5	0.42
13	2	265.00	Leg	PIPE 3.500x0.216	5.00	51.7	82.5	100.4	47.1	38.4	0.57
13	1	260.00	Leg	PIPE 3.500x0.216	5.00	51.7	82.5	100.4	60.8	51.5	0.74
12	4	255.00	Leg	PIPE 4x0.226	5.01	44.9	104.1	120.6	70.7	61.0	0.68
12	3	250.00	Leg	PIPE 4x0.226	5.01	44.9	104.1	120.6	81.2	68.8	0.78
12	2	245.00	Leg	PIPE 4x0.226	5.01	44.9	104.1	120.6	90.3	77.4	0.87
12	1	240.00	Leg	PIPE 4x0.226	5.01	44.9	104.1	120.6	98.9	85.4	0.95
11	4	235.00	Leg	PIPE 4x0.318	5.01	45.9	142.0	165.6	106.6	92.6	0.75
11	3	230.00	Leg	PIPE 4x0.318	5.01	45.9	142.0	165.6	114.0	99.4	0.80
11	2	225.00	Leg	PIPE 4x0.318	5.01	45.9	142.0	165.6	120.9	105.7	0.85
11	1	220.00	Leg	PIPE 4x0.318	5.01	45.9	142.0	165.6	127.5	111.8	0.90
10	3	213.33	Leg	PIPE 4.500x0.337	6.68	54.2	160.1	198.4	134.7	118.3	0.84
10	2	206.67	Leg	PIPE 4.500x0.337	6.68	54.2	160.1	198.4	142.8	125.5	0.89
10	1	200.00	Leg	PIPE 4.500x0.337	6.68	54.2	160.1	198.4	150.4	132.2	0.94
9	3	193.33	Leg	PIPE 5.563x0.375	6.68	43.6	239.4	275.0	158.3	139.0	0.66
9	2	186.67	Leg	PIPE 5.563x0.375	6.68	43.6	239.4	275.0	165.9	145.6	0.69
9	1	180.00	Leg	PIPE 5.563x0.375	6.68	43.6	239.4	275.0	173.9	152.3	0.73
8	3	173.33	Leg	PIPE 5.563x0.375	6.68	43.6	239.4	275.0	181.4	158.9	0.76
8	2	166.67	Leg	PIPE 5.563x0.375	6.68	43.6	239.4	275.0	189.2	165.6	0.79
8	1	160.00	Leg	PIPE 5.563x0.375	6.68	43.6	239.4	275.0	196.7	171.9	0.82
7	3	153.33	Leg	PIPE 5.563x0.375	6.68	43.6	239.3	275.0	204.2	178.3	0.85
7	2	146.67	Leg	PIPE 5.563x0.375	6.68	43.6	239.3	275.0	211.4	184.3	0.88
7	1	140.00	Leg	PIPE 5.563x0.375	6.68	43.6	239.3	275.0	218.7	190.4	0.91
6	2	130.00	Leg	PIPE 6.625x0.340	10.02	54.0	244.0	302.1	228.0	198.1	0.93
6	1	120.00	Leg	PIPE 6.625x0.340	10.02	54.0	244.0	302.1	239.1	207.4	0.98
5	2	110.00	Leg	PIPE 6.625x0.432	10.02	54.6	304.3	330.3	250.4	216.7	0.82
5	1	100.00	Leg	PIPE 6.625x0.432	10.02	54.6	304.3	330.3	261.5	225.7	0.86
4	2	90.00	Leg	PIPE 6.625x0.432	10.02	54.6	304.2	378.5	272.2	234.3	0.89
4	1	80.00	Leg	PIPE 6.625x0.432	10.02	54.6	304.2	378.5	282.7	242.4	0.93
3	2	70.00	Leg	PIPE 8.625x0.375	10.02	41.2	386.4	437.4	293.3	250.7	0.76
3	1	60.00	Leg	PIPE 8.625x0.375	10.02	41.2	386.4	437.4	304.3	259.4	0.79
2	2	45.00	Leg	PIPE 8.625x0.375	15.02	30.9	407.9	437.4	310.9	263.1	0.76
2	1	30.00	Leg	PIPE 8.625x0.375	15.02	30.9	407.9	437.4	327.8	275.9	0.80
1	2	15.00	Leg	PIPE 8.625x0.375	15.02	30.9	407.9	437.4	344.7	288.5	0.85
1	1	0.00	Leg	PIPE 8.625x0.375	15.02	30.9	407.9	437.4	361.5	300.8	0.89
14	4	295.00	Diag	L1 3/4x1 3/4x1/8	6.90	106.7	8.2	7.1	1.3	1.4	0.19
14	3	290.00	Diag	L1 3/4x1 3/4x1/8	6.91	106.8	8.1	7.1	1.6	1.5	0.22
14	2	285.00	Diag	L1 3/4x1 3/4x1/8	6.92	106.9	8.1	7.1	1.7	1.8	0.25
14	1	280.00	Diag	L1 3/4x1 3/4x1/8	6.92	107.0	8.1	7.1	3.0	2.9	0.41
13	4	275.00	Diag	L1 3/4x1 3/4x1/8	6.93	106.2	8.2	7.1	3.2	3.2	0.46
13	3	270.00	Diag	L1 3/4x1 3/4x1/8	6.94	106.2	8.2	7.1	3.5	3.5	0.49
13	2	265.00	Diag	L1 3/4x1 3/4x1/8	6.94	106.3	8.2	7.1	5.1	5.2	0.73
13	1	260.00	Diag	L1 3/4x1 3/4x1/8	6.95	106.4	8.2	7.1	5.5	5.4	0.76
12	4	255.00	Diag	L1 3/4x1 3/4x1/8	7.13	112.1	7.5	7.1	3.2	3.0	0.42
12	3	250.00	Diag	L1 3/4x1 3/4x1/8	7.49	117.2	6.9	7.1	4.1	4.1	0.59
12	2	245.00	Diag	L1 3/4x1 3/4x1/8	7.87	123.2	6.3	7.1	3.9	3.9	0.63
12	1	240.00	Diag	L1 3/4x1 3/4x1/8	8.27	130.3	5.6	7.1	3.8	3.8	0.67
11	4	235.00	Diag	L1 3/4x1 3/4x1/8	8.67	137.6	5.0	7.1	3.6	3.6	0.72
11	3	230.00	Diag	L1 3/4x1 3/4x1/8	9.09	145.1	4.5	7.1	3.6	3.6	0.79

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11	2	225.00	Diag	L1 3/4x1 3/4x1/8	9.52	152.7	4.1	7.1	3.6	3.5	0.88
11	1	220.00	Diag	L1 3/4x1 3/4x1/8	9.96	160.4	3.7	7.1	3.6	3.6	0.96
10	3	213.33	Diag	L2x2x3/16	11.37	165.6	5.8	11.8	3.8	3.8	0.66
10	2	206.67	Diag	L2x2x3/16	11.94	174.6	5.3	11.8	3.8	3.9	0.73
10	1	200.00	Diag	L2x2x3/16	12.52	183.8	4.7	11.8	3.9	3.9	0.83
9	3	193.33	Diag	L2 1/2x2 1/2x3/16	13.10	151.7	8.8	14.1	4.2	4.2	0.47
9	2	186.67	Diag	L2 1/2x2 1/2x3/16	13.68	158.9	8.1	14.1	4.3	4.3	0.54
9	1	180.00	Diag	L2 1/2x2 1/2x3/16	14.27	166.2	7.4	14.1	4.4	4.4	0.60
8	3	173.33	Diag	L2 1/2x2 1/2x3/16	14.86	173.6	6.7	10.7	4.6	4.5	0.68
8	2	166.67	Diag	L2 1/2x2 1/2x3/16	15.46	181.1	6.2	10.7	4.7	4.7	0.75
8	1	160.00	Diag	L2 1/2x2 1/2x3/16	16.06	188.6	5.7	10.7	4.8	4.8	0.84
7	3	153.33	Diag	L3x3x3/16	16.68	162.9	9.3	14.7	4.8	4.7	0.51
7	2	146.67	Diag	L3x3x3/16	17.32	169.5	8.6	14.7	4.9	4.9	0.57
7	1	140.00	Diag	L3x3x3/16	17.96	176.0	7.9	14.7	5.1	5.1	0.64
6	2	130.00	Diag	L3x3x3/16	20.18	178.7	7.7	23.2	5.9	6.0	0.77
6	1	120.00	Diag	L3x3x3/16	21.05	185.5	7.2	23.2	6.2	6.1	0.86
5	2	110.00	Diag	L3x3x1/4	21.93	192.9	8.7	28.1	6.3	6.3	0.72
5	1	100.00	Diag	L3x3x1/4	22.83	200.0	8.1	28.1	6.6	6.5	0.81
4	2	90.00	Diag	L3 1/2x3 1/2x1/4	23.76	181.5	11.6	30.4	6.2	6.1	0.54
4	1	80.00	Diag	L3 1/2x3 1/2x1/4	24.74	188.0	10.8	30.4	6.4	6.4	0.59
3	2	70.00	Diag	L3 1/2x3 1/2x1/4	25.69	192.9	10.3	28.1	7.2	7.2	0.70
3	1	60.00	Diag	L3 1/2x3 1/2x1/4	26.62	199.1	9.6	30.4	7.5	7.4	0.78
2	2	45.00	Diag	L4x4x1/4	20.07	177.0	14.0	30.4	11.2	11.2	0.80
2	1	30.00	Diag	L4x4x1/4	20.58	181.9	13.2	30.4	11.4	11.4	0.86
1	2	15.00	Diag	L4x4x1/4	21.10	187.0	12.5	14.4	11.5	11.5	0.92
1	1	0.00	Diag	L4x4x1/4	21.63	192.2	11.9	30.4	11.7	11.7	0.98
14	4	295.00	Horiz	L1 3/4x1 3/4x3/16	4.75	145.7	6.6	10.7	0.6	0.5	0.09
12	4	255.00	Horiz	L1 3/4x1 3/4x3/16	4.83	145.3	6.6	10.7	0.6	0.4	0.09
2	2	45.00	Horiz	L3 1/2x3 1/2x1/4	12.58	174.3	12.6	28.1	7.4	7.4	0.59
2	1	30.00	Horiz	L3 1/2x3 1/2x1/4	13.33	182.4	11.5	28.1	7.9	7.8	0.68
1	2	15.00	Horiz	L3 1/2x3 1/2x1/4	14.08	190.4	10.5	28.1	8.2	8.1	0.78
1	1	0.00	Horiz	L3 1/2x3 1/2x1/4	14.83	198.4	9.7	30.4	8.5	8.4	0.87
2	2	45.00	SecH1	L3x3x1/4	6.29	128.0	15.2	15.2	5.4	5.4	0.35
2	2	45.00	SecD1	L3x3x1/4	9.55	194.3	8.6	15.2	4.3	4.3	0.50
2	2	45.00	PlanH1	L3 1/2x3 1/2x1/4	12.58	218.8	8.0	15.2	0.0	0.0	0.01
2	1	30.00	SecH1	L3x3x1/4	6.67	135.6	15.2	15.2	5.7	5.7	0.37
2	1	30.00	SecD1	L3x3x1/4	9.79	199.1	8.2	15.2	4.4	4.4	0.54
2	1	30.00	PlanH1	L3 1/2x3 1/2x1/4	13.33	231.9	7.1	15.2	0.1	0.1	0.01
1	2	15.00	SecH1	L3x3x1/4	7.04	143.2	15.2	15.2	5.9	5.9	0.39
1	2	15.00	SecD1	L3x3x1/4	10.04	204.1	7.8	15.2	4.5	4.5	0.57
1	2	15.00	PlanH1	L4x4x1/4	14.08	211.2	9.8	15.2	0.1	0.1	0.01
1	1	0.00	SecH1	L3x3x1/4	7.42	150.8	14.3	15.2	6.2	6.2	0.44
1	1	0.00	SecD1	L3x3x1/4	10.29	209.3	7.4	15.2	4.6	4.6	0.61
1	1	0.00	PlanH1	L4x4x1/4	14.83	222.5	8.9	15.2	0.1	0.1	0.01

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Contract: 242027

Project: 300 FT RTL TOWER

Date and Time: 12/21/2022 9:00:10 AM

Revision: 0

Site: CK CUMBERLAND PKWY- KY

Engineer: DLT

Section M: SECTION PROPERTIES DATA

Sec	Pan	Memb. Type	Steel Grade	Conn. Type	Bolts Bolts	Bolt Size (in)	Bolt Grade	End Dist. (in)	Gusset Thick. (in)	kl/r	Comp Cap. (Kips)	Tens Cap. (Kips)	Bolt Cap. (Kips)	Bear. Cap. (Kips)	Block Shear (Kips)
14	4	Leg	A500 gr.CS	Tension	4	0.750	A325X	1.800	N/A	63.4	57.1	76.5	121.7T	N/A	N/A
14	4	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	106.7	8.2	11.9	15.2S	9.8	7.1
14	4	Horiz	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	145.7	6.6	17.4	15.2S	14.7	10.7
14	3	Leg	A500 gr.CS	Tension	4	0.750	A325X	1.800	N/A	63.4	57.1	76.5	121.7T	N/A	N/A
14	3	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	106.8	8.1	11.9	15.2S	9.8	7.1
14	2	Leg	A500 gr.CS	Tension	4	0.750	A325X	1.800	N/A	63.4	57.1	76.5	121.7T	N/A	N/A
14	2	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	106.9	8.1	11.9	15.2S	9.8	7.1
14	1	Leg	A500 gr.CS	Tension	4	0.750	A325X	1.800	N/A	63.4	57.1	76.5	121.7T	N/A	N/A
14	1	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	107.0	8.1	11.9	15.2S	9.8	7.1
13	4	Leg	A500 gr.CS	Tension	4	0.875	A325X	2.100	N/A	51.7	82.5	100.4	167.9T	N/A	N/A
13	4	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	106.2	8.2	11.9	15.2S	9.8	7.1
13	3	Leg	A500 gr.CS	Tension	4	0.875	A325X	2.100	N/A	51.7	82.5	100.4	167.9T	N/A	N/A
13	3	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	106.2	8.2	11.9	15.2S	9.8	7.1
13	2	Leg	A500 gr.CS	Tension	4	0.875	A325X	2.100	N/A	51.7	82.5	100.4	167.9T	N/A	N/A
13	2	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	106.3	8.2	11.9	15.2S	9.8	7.1
13	1	Leg	A500 gr.CS	Tension	4	0.875	A325X	2.100	N/A	51.7	82.5	100.4	167.9T	N/A	N/A
13	1	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	106.4	8.2	11.9	15.2S	9.8	7.1
12	4	Leg	A500 gr.CS	Tension	4	0.875	A325X	2.100	N/A	44.9	104.1	120.6	167.9T	N/A	N/A
12	4	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	112.1	7.5	11.9	15.2S	9.8	7.1
12	4	Horiz	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	145.3	6.6	17.4	15.2S	14.7	10.7
12	3	Leg	A500 gr.CS	Tension	4	0.875	A325X	2.100	N/A	44.9	104.1	120.6	167.9T	N/A	N/A
12	3	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	117.2	6.9	11.9	15.2S	9.8	7.1
12	2	Leg	A500 gr.CS	Tension	4	0.875	A325X	2.100	N/A	44.9	104.1	120.6	167.9T	N/A	N/A
12	2	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	123.2	6.3	11.9	15.2S	9.8	7.1
12	1	Leg	A500 gr.CS	Tension	4	0.875	A325X	2.100	N/A	44.9	104.1	120.6	167.9T	N/A	N/A
12	1	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	130.3	5.6	11.9	15.2S	9.8	7.1
11	4	Leg	A500 gr.CS	Tension	5	0.875	A325X	2.100	N/A	45.9	142.0	165.6	209.9T	N/A	N/A
11	4	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	137.6	5.0	11.9	15.2S	9.8	7.1
11	3	Leg	A500 gr.CS	Tension	5	0.875	A325X	2.100	N/A	45.9	142.0	165.6	209.9T	N/A	N/A
11	3	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	145.1	4.5	11.9	15.2S	9.8	7.1
11	2	Leg	A500 gr.CS	Tension	5	0.875	A325X	2.100	N/A	45.9	142.0	165.6	209.9T	N/A	N/A
11	2	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	152.7	4.1	11.9	15.2S	9.8	7.1
11	1	Leg	A500 gr.CS	Tension	5	0.875	A325X	2.100	N/A	45.9	142.0	165.6	209.9T	N/A	N/A
11	1	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	160.4	3.7	11.9	15.2S	9.8	7.1
10	3	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	54.2	160.1	198.4	275.3T	N/A	N/A
10	3	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	165.6	5.8	20.7	15.2S	14.7	11.8
10	2	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	54.2	160.1	198.4	275.3T	N/A	N/A
10	2	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	174.6	5.3	20.7	15.2S	14.7	11.8
10	1	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	54.2	160.1	198.4	275.3T	N/A	N/A
10	1	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	183.8	4.7	20.7	15.2S	14.7	11.8
9	3	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	43.6	239.4	275.0	275.3T	N/A	N/A
9	3	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	151.7	8.8	27.7	15.2S	14.7	14.1
9	2	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	43.6	239.4	275.0	275.3T	N/A	N/A
9	2	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	158.9	8.1	27.7	15.2S	14.7	14.1
9	1	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	43.6	239.4	275.0	275.3T	N/A	N/A
9	1	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	166.2	7.4	27.7	15.2S	14.7	14.1
8	3	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	43.6	239.4	275.0	275.3T	N/A	N/A
8	3	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	173.6	6.7	27.7	15.2S	14.7	10.7
8	2	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	43.6	239.4	275.0	275.3T	N/A	N/A
8	2	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	181.1	6.2	27.7	15.2S	14.7	10.7
8	1	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	43.6	239.4	275.0	275.3T	N/A	N/A
8	1	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	188.6	5.7	27.7	15.2S	14.7	10.7

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7	3	Leg	A500	gr.CS	Tension	6	1.000	A325X	2.400	N/A	43.6	239.3	275.0	330.3T	N/A	N/A
7	3	Diag	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	162.9	9.3	34.6	15.2S	14.7	16.4
7	2	Leg	A500	gr.CS	Tension	6	1.000	A325X	2.400	N/A	43.6	239.3	275.0	330.3T	N/A	N/A
7	2	Diag	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	169.5	8.6	34.6	15.2S	14.7	16.4
7	1	Leg	A500	gr.CS	Tension	6	1.000	A325X	2.400	N/A	43.6	239.3	275.0	330.3T	N/A	N/A
7	1	Diag	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	176.0	7.9	34.6	15.2S	14.7	16.4
6	2	Leg	A500	gr.CS	Tension	6	1.000	A325X	2.400	N/A	54.0	244.0	302.1	330.3T	N/A	N/A
6	2	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.500	0.375	178.7	7.7	34.6	30.4S	29.4	23.2
6	1	Leg	A500	gr.CS	Tension	6	1.000	A325X	2.400	N/A	54.0	244.0	302.1	330.3T	N/A	N/A
6	1	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.500	0.375	185.5	7.2	34.6	30.4S	29.4	23.2
5	2	Leg	A500	gr.CS	Tension	6	1.000	A325X	2.400	N/A	54.6	304.3	378.5	330.3T	N/A	N/A
5	2	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	192.9	8.7	45.6	30.4S	34.1	28.1
5	1	Leg	A500	gr.CS	Tension	6	1.000	A325X	2.400	N/A	54.6	304.3	378.5	330.3T	N/A	N/A
5	1	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	200.0	8.1	45.6	30.4S	34.1	28.1
4	2	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	54.6	304.2	378.5	765.3T	N/A	N/A
4	2	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	181.5	11.6	54.8	30.4S	34.1	31.1
4	1	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	54.6	304.2	378.5	765.3T	N/A	N/A
4	1	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	188.0	10.8	54.8	30.4S	34.1	31.1
3	2	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	41.2	386.4	437.4	765.3T	N/A	N/A
3	2	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	192.9	10.3	54.8	30.4S	34.1	28.1
3	1	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	41.2	386.4	437.4	765.3T	N/A	N/A
3	1	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	199.1	9.6	54.8	30.4S	34.1	31.1
2	2	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	30.9	407.9	437.4	765.3T	N/A	N/A
2	2	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	177.0	14.0	63.9	30.4S	34.1	34.2
2	2	Horiz	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	174.3	12.6	54.8	30.4S	34.1	28.1
2	2	SecH1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	128.0	19.9	45.6	15.2S	19.5	21.8
2	2	SecD1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	194.3	8.6	45.6	15.2S	19.5	21.8
2	2	PlanH1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	218.8	8.0	54.8	15.2S	19.5	24.8
2	1	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	30.9	407.9	437.4	765.3T	N/A	N/A
2	1	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	181.9	13.2	63.9	30.4S	34.1	34.2
2	1	Horiz	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	182.4	11.5	54.8	30.4S	34.1	28.1
2	1	SecH1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	135.6	17.7	45.6	15.2S	19.5	21.8
2	1	SecD1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	199.1	8.2	45.6	15.2S	19.5	21.8
2	1	PlanH1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	231.9	7.1	54.8	15.2S	19.5	24.8
1	2	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	30.9	407.9	437.4	765.3T	N/A	N/A
1	2	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	187.0	12.5	76.7	30.4S	34.1	14.4
1	2	Horiz	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	190.4	10.5	54.8	30.4S	34.1	28.1
1	2	SecH1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	143.2	15.9	45.6	15.2S	19.5	21.8
1	2	SecD1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	204.1	7.8	45.6	15.2S	19.5	21.8
1	2	PlanH1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	211.2	9.8	63.9	15.2S	19.5	27.9
1	1	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	30.9	407.9	437.4	765.3T	N/A	N/A
1	1	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	192.2	11.9	63.9	30.4S	34.1	34.2
1	1	Horiz	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	198.4	9.7	54.8	30.4S	34.1	31.1
1	1	SecH1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	150.8	14.3	45.6	15.2S	19.5	21.8
1	1	SecD1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	209.3	7.4	45.6	15.2S	19.5	21.8
1	1	PlanH1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	222.5	8.9	63.9	15.2S	19.5	27.9



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Engineer: DLT

Section N: LEG REACTION DATA

Load Combination	Max Envelope				
Wind Direction	Maximum				
	Force-Y Download (Kips)	Force-Y Uplift (Kips)	Shear-X (Kips)	Shear-Z (Kips)	Max Shear (Kips)
	376.62	313.21			34.59



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Revision: 0

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Engineer: DLT

Section O: TOWER FOUNDATION DATA

Load Combination Max Envelope
 Wind Direction Maximum

Axial Load (Kips)	Shear Load-X (Kips)	Shear Load-Z (Kips)	Total Shear (Kips)	Moment-X (Kipsft)	Moment-Y (Kipsft)	Moment-Z (Kipsft)	Total Moment (Kipsft)
79.56	-56.83	0.00	56.83	0.67	-1.37	9448.92	9448.92
59.68	28.48	-49.32	56.96	-8136.73	-1.22	-4697.13	9395.18

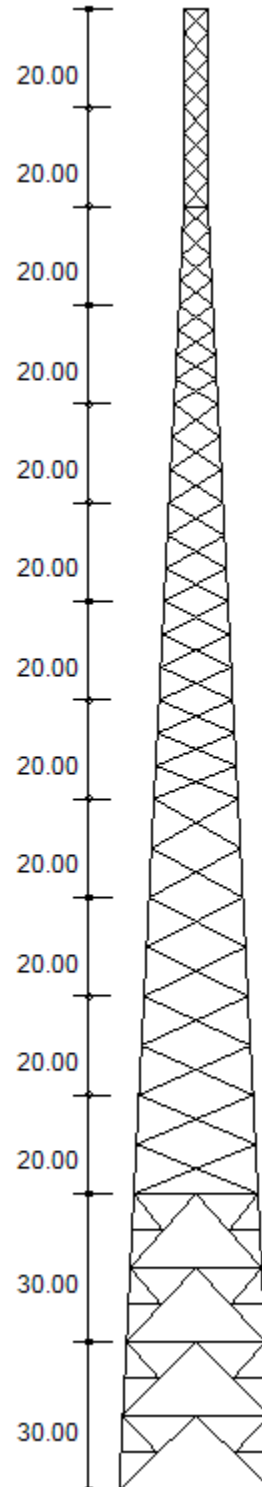
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Contract: 242027
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Engineer: DLT

DESIGN SPECIFICATION

Design Standard: ANSI/TIA-222-G-2005 Add.2
Ultimate Design Wind Speed (No Ice) = 105.0 (mph)
Nominal Design Wind Speed (No Ice) = 81.3 (mph)
Basic Wind Speed (With Ice) = 30.0 (mph)
Design Ice Thickness = 0.75 (in)
Structure Class = II
Exposure Category = B
Topographic Category = 1

Sct.	Length (ft)	Top W. (in)	Bot Width (in)
1	30.00	337.97	373.97
2	30.00	301.97	337.97
3	20.00	277.97	301.97
4	20.00	252.24	277.97
5	20.00	228.24	252.24
6	20.00	204.24	228.24
7	20.00	179.32	204.24
8	20.00	155.32	179.32
9	20.00	131.32	155.32
10	20.00	106.40	131.32
11	20.00	81.96	106.40
12	20.00	57.96	81.96
13	20.00	57.53	57.96
14	20.00	56.99	57.53



MAXIMUM BASE REACTIONS

Download (Kips) 376.6
Uplift (Kips) 313.2
Shear (Kips) 34.6

Customer: TAG TOWERS, LLC
 Project: 300 FT RTL TOWER
 Site: CK CUMBERLAND PKWY, KY
 Engr. File: 242027
 Build Code: ANSI/TIA-222-H-2016



Mat Foundation

ver.3.0.3

Design Parameters

Description	Load Case					
	1	2	3	4	5	Service
Total Moment, ft-kips	9,448.92	9,448.61	1,352.05	435.62	435.28	3,271.41
Total Shear, kips	56.83	56.84	7.70	1.84	1.84	19.87
Total Tower Wt, kips	79.56	59.67	261.32	79.54	59.65	66.28
Max. Uplift, kips	306.57	313.21	.00	.00	.00	93.29
Shear, kips	29.88	30.25	30.25	29.02	29.02	9.70
Max Download, kips	376.62	369.98	137.20	42.65	36.01	143.31
Shear	34.56	34.19	9.45	2.63	2.26	12.83
Soil L.F.	1.20	0.90	1.20	1.20	0.90	1.00
Concrete L.F.	1.20	0.90	1.20	1.20	0.90	1.00

Foundation	
Ht. AGL, ft	0.50
Depth, ft.	5.25
Tower	
Face Width, ft	31.16
Offset, in	54.00
Soil	
Blow Count	N/A
Inplace Unit Wt, pcf	110.00
Submerged Unit Wt, pcf	60.00
Friction Angle, ϕ , deg.	30.00
Cohesion, ksf	N/A
Uplift Angle, deg.	30.00
Water Depth, ft	None
Ult Bearing Capacity, ksf	40.00

Mat	
Thickness, ft	1.75
Width, ft	37.50
EA, in	15.00
Batter, in/ft	0.00

Pier	
Height, ft	4.00
Diameter, ft	3.50
No. Piers	3
Shape	Round

Anchor Bolts	
Diameter, in	1.5000
No.	6
Length, in	74.00
Bolt Circle, in	20.00
Projection, in	9.00

Pocket	
Diameter, in	N/A
Thickness, ft	N/A

Concrete	
28 Day Strength, ksi	4.50
Dry Unit Wt, pcf	150.00
Wet Unit Wt, pcf	88.00

Rebar Fy	
Vertical, ksi	60.00
Circular, ksi	60.00
Horizontal, ksi	60.00

Results

ϕM_N – Parallel Axis 15,520.68 ft-kips
 ϕM_N – Diagonal Axis 17,095.49 ft-kips
 Moment – Interaction Ratio 0.649
 ϕV_N – Lateral Load 232.25 kips
 Lateral Load – Interaction Ratio 0.245

Final Mat Dimension : 37.50 x 37.50 x 1.75 ft. thick w/ (3) 3.50 ft. Dia. Piers

Final Pocket Dimension : Pockets not required

Total Volume of Concrete : 95.4 yd³

Designed By: DLT
 Date: 21 December, 2022 @ 09:15 AM

Customer: TAG TOWERS, LLC
 Project: 300 FT RTL TOWER
 Site: CK CUMBERLAND PKWY, KY
 Engr. File: 242027
 Build Code: ANSI/TIA-222-H-2016



Mat Foundation

ver.3.0.3

OTM Capacity

Controlling Load Case: 2 [Wind w/Min. Dead Load]
 Foundation Width = 37.50 ft
 $M_U = 10,071.9$ ft-kips

	ϕM_N , ft-kips	x, ft	N	σ_{ur}
Parallel	15,520.7	3.750	0.100	8.60
Diagonal	17,095.5	11.859	0.224	8.60

$\phi M_N = 15,520.68$ ft-kips IRatio = 0.649
 $\phi V_N = 232.25$ kips IRatio = 0.245

Mat Design

$\gamma_c = 123.33$ pcf

Exterior Slab	x, ft	N	σ_R , ksf	P_s , kips	P_{su} , kips	Moment, ft-kips/ft		Shear, kips/ft	
						DownLoad Side	Uplift Side	Download Side	Uplift Side
Parallel	15.309	0.408	1.57	22.50	0.00	6.06	6.85	3.45	3.31
Diagonal	23.132	0.436	1.68	22.50	0.00	50.60	40.52	10.86	8.24

Interior Slab	Moment, ft-kips/ft			Shear, kips/ft		
	DownLoad Side	Uplift Side	Download Side	Uplift Side	Soil Pressure Termination	
	39.44	36.76	6.39	5.44	5.70	

Punching Shear	Download			Uplift			Description
	Interior	Edge	Corner	Interior	Edge	Corner	
b_o , ft	17.74	15.21	12.86	15.08	13.88	12.20	2-Way Shear
V_{su} , psi	123.34	151.19	188.90	119.27	135.54	164.75	
ϕV_c , psi	228.08	228.08	228.08	228.08	228.08	228.08	
IR	0.54	0.66	0.83	0.52	0.59	0.72	
M_{ut} , ft-kips	82.9			72.6			Moment transfer to slab
B_e , ft	7.5			7.2			
M_u , ft-kips/ft	11.0			10.1			
Edge Distances: a = 5.26 ft. b = 3.17 ft. c = 5.25 ft.							

Summary	Max. Value	Utilization
Slab Moment, ft-kips/ft	50.60	0.981
Slab Shear, kips/ft	10.86	0.496
Punching Shear, psi	188.90	0.828
Soil Bearing Required, σ_{UR} , ksf	2.24	0.056

Mat Reinforcement	
Min. Steel Area (Strength)	.576 in ² /ft.
Min. Steel Area (Temperature)	.227 in ² /ft.
Steel Strain Actual	0.023
Minimum Steel Strain Required	0.005

50 - #6 Horizontal bars equally spaced @9.06 in., each way, top and bottom, total of 200, $A_s = 0.589$ in²/ft

Designed By: DLT
 Date: 21 December, 2022 @ 09:15 AM

Customer: TAG TOWERS, LLC
Project: 300 FT RTL TOWER
Site: CK CUMBERLAND PKWY, KY
Engr. File: 242027
Build Code: ANSI/TIA-222-H-2016



Mat Foundation

ver.3.0.3

Pier Design

Controlling Load Case: 2 [Wind w/Min. Dead Load]

C = 369.98 kips	Vc = 34.19 kips	Mc = 136.76 ft-kips
T = 313.21 kips	Vt = 30.25 kips	Mt = 121.00 ft-kips
Fy = 60.00 ksi	Fyt = 60.00 ksi	L.F. = 1.00
H = 42.00 in.	Ds = 33.00 in.	F'c = 4.50 ksi
U = 1.00	Irs = Round	

*** NOTE: Pier cross section is Round ***

SUMMARY OF ANALYSIS

Minimum area of steel required	= 9.945 in ²	(Rhomin = 0.0072)
Area of steel provided.	= 10.996 in ²	(Rhoactual = 0.0079)
Maximum steel area limit	= 110.836 in ²	(Rhomax = 0.0800)

(14) #8 Vertical Bars equally spaced w/ #4 Circular Ties @ 6" on center.

CIRCULAR TIE DATA

$V_u < 0.85 * V_c / 2$, shear reinforcement is not required

Use maximum tie spacing specified in ACI 318,
Section 7.10.5 for compression reinforcement.

DEVELOPMENT LENGTH MODIFIERS FOR BAR DEVELOPMENT

Modifier for tension development = 1.000
Modifier for compression development = 0.171
REQUIRED Ld = MODIFIER * BASIC Ld * ACI 318 MODIFIERS, (12 in. min.)

Designed By: DLT
Date: 21 December, 2022 @ 09:15 AM

File no : 242027 Customer: **TAG TOWERS, LLC** Date 12/21/22
 By: DLT Description: **300 FT RTL TOWER** Page 1
 Chk: _____ **CK CUMBERLAND PKWY,** Ver. 11/16/01

FACTORED REACTIONS / LEG

Tower Type: RT

COMPRESSION = 376.62 k (6) - 1.5 " dia A.B. per leg
 UPLIFT = 313.21 k $f'_c = 4,500$ psi
 SHEAR = 34.59 k $f_v = 60,000$ psi

SOIL PARAMETERS

A) Depth neglected for skin friction = Top 2.5 ft

B) Average ultimate skin shear for uplift:

2.5 ft to 12.0 ft depth = 4500 psf.

C) Average ultimate skin shear for download:

2.5 ft to 12.0 ft depth = 4500 psf.

D) Ultimate net end bearing at 12.0 ft = 50.00 ksf.

E) Groundwater table below foundation depth.

USE 4'- 0" DIAMETER AND 12'- 0" DEEP DRILLED PIER WITH 0'- 6" CAP

Perimeter = 12.57 ft Area = 12.57 ft²

Total Download = 376.62 + [1.2 x 0.15 - 0.75 x 0.120] x 12 x 12.57 =
 = 390.8 k

Tension Capacity = 12.57 x (12.5 x 0.15 + 0.0 x 0.09) x 0.90 +
 12.57 x (4.500 x 9.5) x 0.75 =

21.2 + 403.0 = 424.2 k
 424.2 >= 313.21 OK

Comp. Capacity = 12.57 x 50.00 x 0.75 +
 12.57 x (4.500 x 9.5) x 0.75 =

471.4 + 403.0 = 874.4 k
 874.4 >= 390.8 OK

LATERAL - SEE ATTACHED CALCULATIONS USING WIGGINS METHOD

Max M = 178.04 ft-k Max V = 46.86 k

REINFORCEMENT - SEE ATTACHED SHAFT PROGRAM

USE 14 - # 8 BARS VERTICAL WITH *
 # 4 TIES AT 6" IN TOP 7.0 FT AND AT
 12 " IN REST OF PIER
 {36.0 in Cage Diameter}

CONCRETE VOLUM 12.57 x 12.5 / 27 = 5.8 cu yds / pier

Drilled Pier Analysis

```

*****
** WIGGINS METHOD **
*****
** DETERMINE MAXIMUM LATERAL SOIL PRESSURE **
** AND MAXIMUM MOMENT IN THE SHAFT FOR **
** A DRILLED PIER FOUNDATION **
***** Wed Dec 21 09:10:05 2022 *****
Ver. 2.3 NT
    
```

FILE NO.- 242027
 ENGR.- DLT
 DESCR.- TAG TOWERS, LLC 300 FT RTL TOW

FORMULAS USED

$$S1 = \frac{6 \cdot P \cdot (1+N)}{D \cdot L \cdot (1-N) \cdot (1-N)}$$

$$L = (MA/P) + R + E$$

$$S2 = \frac{(N+3) \cdot (N+3) \cdot S1}{8 \cdot (N+1) \cdot (N+2)}$$

$$NL = (MA/P) + R + G$$

$$K = \frac{1 - (N \cdot N)}{2 \cdot (2+N)}$$

$$N = NL / L$$

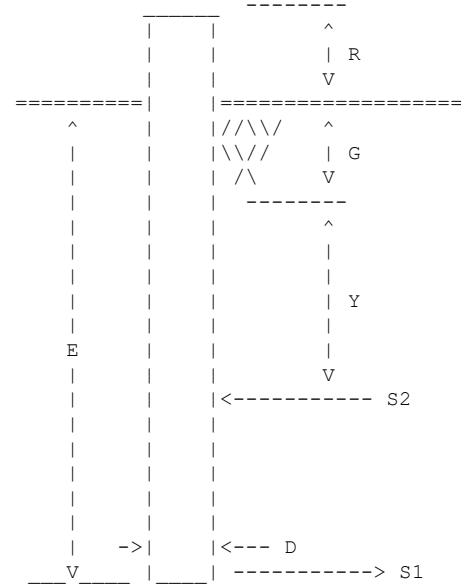
$$Y = \frac{L \cdot (1-K) - NL}{2}$$

$$SP1 = S1 / E$$

$$M = P \cdot (NL + 5/8 \cdot Y)$$

$$SP2 = S2 / (Y + G)$$

$$V = S1 \cdot D \cdot K \cdot L / 2 \quad \text{or} \quad P \text{ whichever is greater}$$



Diameter of Pier = D = 4.00 ft
 Projection Above Grade = R = .50 ft
 Embedment Depth = E = 12.00 ft
 Depth of Soil Ignored = G = 2.50 ft

Equivalent Length of Pier = L = 12.50 ft
 Length for NO Soil Resistance = NL = 3.00 ft
 Applied Moment at Top of Pier = MA = .00 ft-k
 Shear at Top of Pier = P = 34.59 kips

MAXIMUM LATERAL SOIL PRESSURES

MAXIMUM VALUES IN SHAFT

K = .2104
 Y = 3.44 ft
 S1 = 8.911 ksf
 S2 = 4.210 ksf
 SP1 = 743 psf/ft
 SP2 = 709 psf/ft

M = 178.04 ft-k
 V = 46.86 kips

Drilled Pier Analysis

242027
TAG TOWERS, LLC 3

**
** COMPARISION DATA **
**

BROMS ----->

SAND
PHI = 30.0 degrees
DENSITY = 100.00 pcf
E = 15.71 ft
Max. M = 246.73 ft-k
Max. V = 95.11 kips
Ls = 12.005 ft

CLAY
C = 1.00 ksf
E = 15.49 ft
Max. M = 258.07 ft-k
Max. V = 68.16 kips

EIA REV. E NORMAL SOIL -----> E = 11.24 ft

EIA REV. F NORMAL SOIL -----> E = 14.15 ft

Drilled Pier Analysis

&l8DNAME: DLT

FILE NO. 242027

PAGE NO. 1

SHAFT REINFORCING PROGRAM VER. 91.7

=====

DESIGNED BY: DLT
ENG. FILE NO.: 242027
DATE: 12/21/22

CUSTOMER: TAG TOWERS, LLC
DESCRIPTION: 300 FT RTL TOWERCK CUMBERLAND PKWY, KY

INPUT DATA

=====

C = 376.62 Kips Vc = 46.86 Kips Mc = 178.04 Ft-K
T = 313.21 Kips Vt = 46.86 Kips Mt = 178.04 Ft-K
Fy = 60.00 Ksi Fyt = 60.00 Ksi L.F. = 1.00
H = 48.00 In. Ds = 36.00 In. F'c = 4.50 Ksi
U = 1.00 Irs = 1

*** SHAFT CROSS SECTION IS ROUND ***

SUMMARY OF ANALYSIS

=====

Minimum area of steel req'd. = 10.57 sq.in. (Rhomin = 0.0058)
Maximum steel area limit = 144.76 sq.in. (Rhomax = 0.0800)

CIRCULAR TIE DATA

=====

$V_u < 0.85 \cdot V_c / 2$, shear reinforcement is not required.

Use maximum tie spacing specified in A.C.I. 318-83,
Section 7.10.5 for compression reinforcement.

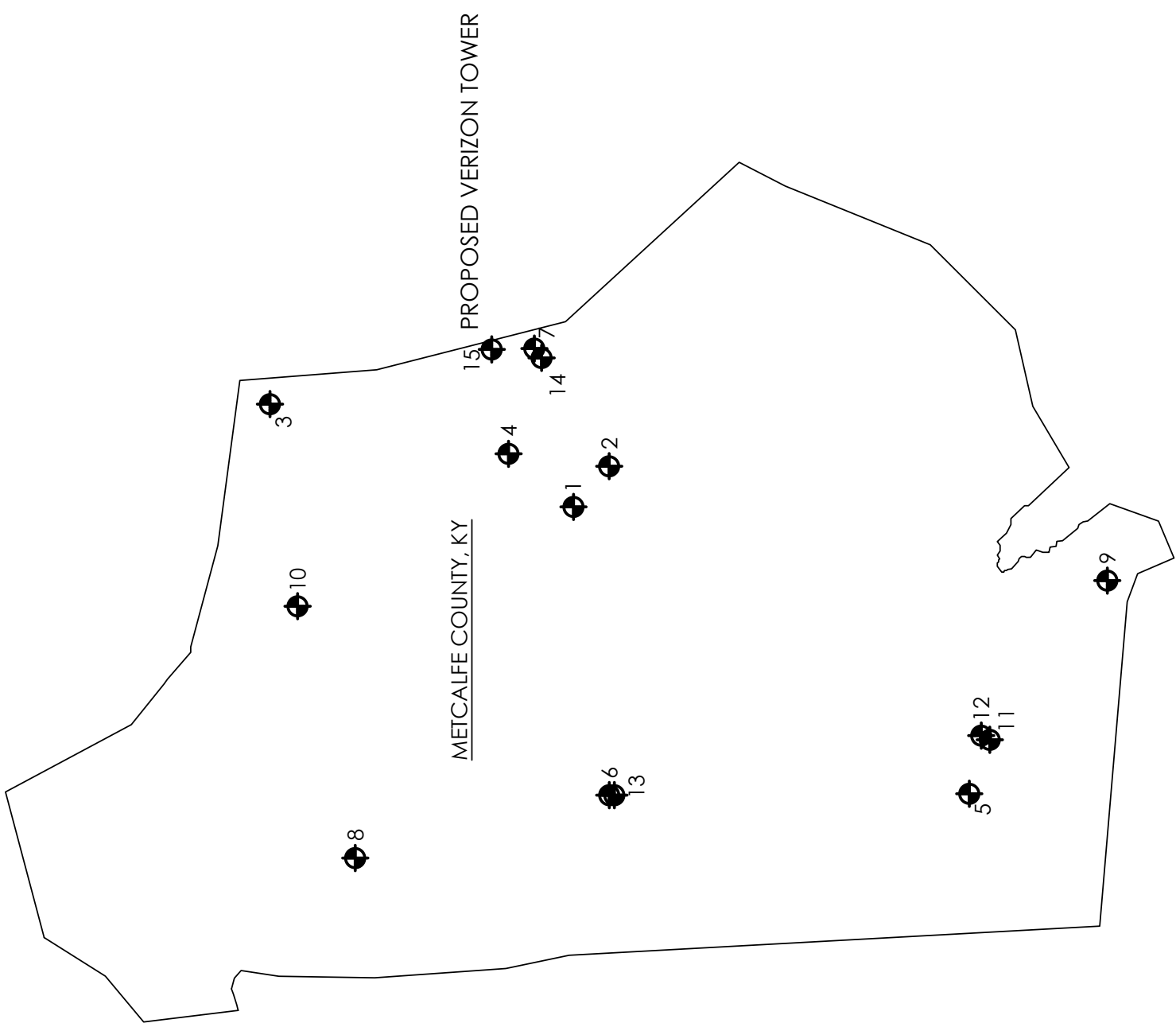
DEVELOPMENT LENGTH MODIFIERS FOR TENSION AND COMPRESSION BAR DEVELOPMENT

=====

DLMT = MODIFIER FOR TENSION DEVELOPMENT = 1.000
DLMC = MODIFIER FOR COMPRESSION DEVELOPMENT = .313
REQUIRED Ld = MODIFIER * BASIC Ld * ACI 318 MODIFIERS (12 in. min.)
DLMT = MODIFIER FOR TENSION DEVELOPMENT = 1.000
DLMC = MODIFIER FOR COMPRESSION DEVELOPMENT = .339
REQUIRED Ld = MODIFIER * BASIC Ld * ACI 318 MODIFIERS (12 in. min.)

FCC REGISTERED CELL TOWERS

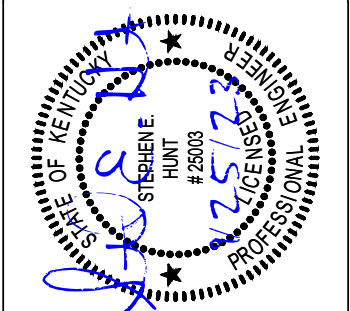
TOWER	TOWER OWNER	ASR	LATITUDE	LONGITUDE
1	GLOBAL TOWER, LLC	1007823	37° 00' 19.9" N	85° 34' 34.2" W
2	CELLCO PARTNERSHIP	1043059	36° 59' 41.0" N	85° 33' 38.0" W
3	KENTUCKY, COMMONWEALTH OF DBA = KY EMERGENCY WARNING SYSTEM KEWS	1044821	37° 06' 00.0" N	85° 32' 10.1" W
4	HART COUNTY COMMUNICATIONS	1048812	37° 01' 32.0" N	85° 33' 20.0" W
5	TENNESSEE VALLEY AUTHORITY	1214425	36° 52' 56.0" N	85° 41' 16.8" W
6	SBA TOWERS VII, LLC	1252327	36° 59' 38.2" N	85° 41' 15.3" W
7	SBA TOWERS VII, LLC	1252869	37° 01' 04.2" N	85° 30' 53.2" W
8	CELLCO PARTNERSHIP	1260710	37° 04' 25.0" N	85° 42' 47.2" W
9	CELLCO PARTNERSHIP	1261655	36° 50' 21.2" N	85° 36' 18.3" W
10	CELLCO PARTNERSHIP	1266731	37° 05' 29.1" N	85° 36' 52.2" W
11	CTI ASSETS II, LLC	1309696	36° 52' 34.0" N	85° 40' 01.6" W
12	VB BTS, LLC	1310242	36° 52' 43.7" N	85° 39' 53.1" W
13	UNITI TOWERS LLC	1316243	36° 59' 34.3" N	85° 41' 17.1" W
14	HARMONI TOWERS LLC	1319787	37° 00' 56.4" N	85° 31' 05.3" W
15	VERIZON WIRELESS	TBD	37° 01' 52.3" N	85° 31' 03.0" W



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	
#	DESCRIPTION
2	09/25/23 DLS ZONING ISSUE
1	08/04/23 DLS ZONING ISSUE
0	09/14/22 TDD ZONING ISSUE



FUZE ID :	16879938
SITE NAME :	CK CUMBERLAND PARKWAY
SITE # / LOCATION CODE :	714526

SITE ADDRESS :	EAST FORK ROAD EDMONTON, KY 42129
SITE TYPE :	RAWLAND

SHEET TITLE :	COUNTY TOWER MAP
---------------	------------------

DRAWING # :	Z1	REVISION :	2
-------------	----	------------	---



Mail Processing Center
 Federal Aviation Administration
 Southwest Regional Office
 Obstruction Evaluation Group
 10101 Hillwood Parkway
 Fort Worth, TX 76177

Aeronautical Study No.
 2022-ASO-36487-OE

Issued Date: 05/31/2023

Network Regulatory
 Cellco Partnership
 5055 North Point Pkwy
 NP2NE Network Engineering
 Alpharetta, GA 30022

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Antenna Tower CK Cumberland Parkway
 Location: Edmonton, KY
 Latitude: 37-01-52.38N NAD 83
 Longitude: 85-31-03.08W
 Heights: 771 feet site elevation (SE)
 305 feet above ground level (AGL)
 1076 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

Emissions from this site must be in compliance with the parameters set by collaboration between the FAA and telecommunications companies and reflected in the FAA 5G C band compatibility evaluation process (such as power, frequencies, and tilt angle). Operational use of this frequency band is not objectionable provided the Wireless Providers (WP) obtain and adhere to the parameters established by the FAA 5G C band compatibility evaluation process. **Failure to comply with this condition will void this determination of no hazard.**

As a condition to this Determination, the structure is to be marked/lighted in accordance with FAA Advisory circular 70/7460-1 M, Obstruction Marking and Lighting, a med-dual system-Chapters 4,8(M-Dual),&15.

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

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

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

See attachment for additional condition(s) or information.

This determination expires on 12/01/2024 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Communications Commission (FCC) because the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at (817) 222-5928, or chris.smith@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2022-ASO-36487-OE.

Signature Control No: 554703060-588496296

Chris Smith
Specialist

(DNE)

Attachment(s)
Additional Information
Frequency Data
Map(s)

cc: FCC

Additional information for ASN 2022-ASO-36487-OE

Additionally, Part 77 authorizes the FAA to evaluate a structure or object's potential electromagnetic effects on air navigation, communication facilities, and other surveillance systems. It also authorizes study of impact on arrival, departure, and en route procedures for aircraft operating under visual or instrument flight rules, as well as the impact on airport traffic capacity at existing public use airports. Broadcast in the 3.7 to 3.98 GHz frequency (5G C band) currently causes errors in certain aircraft radio altimeters and the FAA has determined they cannot be relied upon to perform their intended function when experiencing interference from wireless broadband operations in the 5G C band. The FAA has adopted Airworthiness Directives for all transport and commuter category aircraft equipped with radio altimeters that prohibit certain operations when in the presence of 5G C band.

This determination of no hazard is based upon those mitigations implemented by the FAA and operators of transport and commuter category aircraft, and helicopters operating in the vicinity of your proposed location. It is also based on telecommunication industry and FAA collaboration on acceptable power levels and other parameters as reflected in the FAA 5G C band evaluation process.

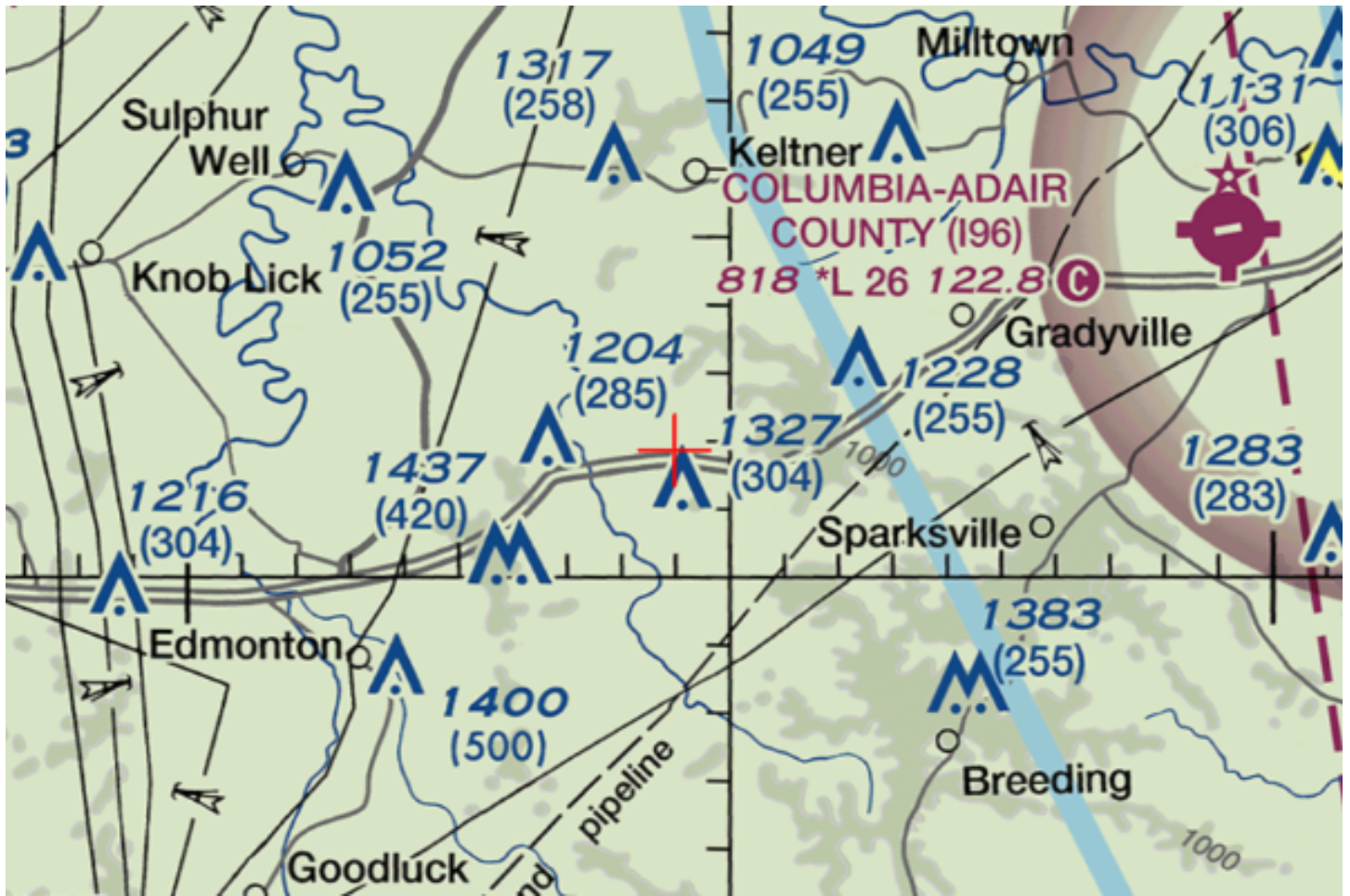
The FAA 5G C band compatibility evaluation is a data analytics system used by FAA to evaluate operational hazards related to aircraft design. The FAA 5G C band compatibility evaluation process refers to the process in which the telecommunication companies and the FAA have set parameters, such as power output, locations, frequencies, and tilt angles for antenna that mitigate the hazard to aviation. As the telecommunication companies and FAA refine the tools and methodology, the allowable frequencies and power levels may change in the FAA 5G C band compatibility evaluation process. Therefore, your proposal will not have a substantial adverse effect on the safe and efficient use of the navigable airspace by aircraft provided the equipment and emissions are in compliance with the parameters established through the FAA 5G C band compatibility evaluation process.

Any future changes that are not consistent with the parameters listed in the FAA 5G C band compatibility evaluation process will void this determination of no hazard.

Frequency Data for ASN 2022-ASO-36487-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
6	7	GHz	55	dBW
6	7	GHz	42	dBW
10	11.7	GHz	55	dBW
10	11.7	GHz	42	dBW
17.7	19.7	GHz	55	dBW
17.7	19.7	GHz	42	dBW
21.2	23.6	GHz	55	dBW
21.2	23.6	GHz	42	dBW
614	698	MHz	2000	W
614	698	MHz	1000	W
698	806	MHz	1000	W
806	901	MHz	500	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
929	932	MHz	3500	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1670	1675	MHz	500	W
1710	1755	MHz	500	W
1850	1910	MHz	1640	W
1850	1990	MHz	1640	W
1930	1990	MHz	1640	W
1990	2025	MHz	500	W
2110	2200	MHz	500	W
2305	2360	MHz	2000	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W
2496	2690	MHz	500	W
3700	3980	MHz	3280	W







Proposed Case for : 2022-ASO-36487-OE

For information only.

This proposal has not yet been studied. Study outcomes will be posted at a later date. Public comments are not requested, and will not be considered at this time.

Overview				
Study (ASN): 2022-ASO-36487-OE	Received Date: 09/23/2022			
Prior Study:	Entered Date: 09/23/2022			
Status: Work In Progress	Map: View Map			
Construction Info				
Notice Of: CONSTR	Structure Summary			
Duration: PERM (Months: 0 Days: 0)	Structure Type: Antenna Tower			
Work Schedule:	Structure Name: CK Cumberland Parkway			
	FCC Number:			
Structure Details				
Latitude (NAD 83): 37° 01' 52.38" N	Height and Elevation			
Longitude (NAD 83): 85° 31' 03.08" W	Site Elevation: Proposed 771			
Datum: NAD 83	Structure Height: 305			
City: Edmonton	Total Height (AMSL): 1076			
State: KY				
Nearest County: Metcalfe				
Frequencies				
Low Freq	High Freq	Unit	ERP	Unit
6	7	GHz	55	dBW
6	7	GHz	42	dBW
10	11.7	GHz	55	dBW
10	11.7	GHz	42	dBW
17.7	19.7	GHz	55	dBW
17.7	19.7	GHz	42	dBW
21.2	23.6	GHz	55	dBW
21.2	23.6	GHz	42	dBW
614	698	MHz	2000	W
614	698	MHz	1000	W
698	806	MHz	1000	W
806	901	MHz	500	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
929	932	MHz	3500	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1670	1675	MHz	500	W
1710	1755	MHz	500	W
1850	1910	MHz	1640	W
1850	1990	MHz	1640	W
1930	1990	MHz	1640	W
1990	2025	MHz	500	W
2110	2200	MHz	500	W
2305	2360	MHz	2000	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W
2496	2690	MHz	500	W
3700	3980	MHz	3280	W

Previous [Back to Search Result](#) Next



APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

JURISDICTION

602 KAR 50:030

Section 1. The commission has zoning jurisdiction over that airspace over and around the public use and military airports within the Commonwealth which lies above the imaginary surface that extends outward and upward at one (1) of the following slopes:

- (1) 100 to one (1) for a horizontal distance of 20,000 feet from the nearest point of the nearest runway of each public use airport and military airport with at least one (1) runway 3,200 feet or more in length; or
- (2) fifty (50) to one (1) for a horizontal distance of 10,000 feet from the nearest point of the nearest runway of each public use and military airport with its longest runway less than 3,200 feet in length.

Section 2. The commission has zoning jurisdiction over the use of land and structures within public use airports within the state.

Section 3. The commission has jurisdiction from the ground upward within the limits of the primary and approach surfaces of each public use airport and military airport as depicted on airport zoning maps approved by the Kentucky Airport Zoning Commission.

Section 4. The Commission has jurisdiction over the airspace of the Commonwealth that exceeds 200 feet in height above the ground.

Section 5. The owner or person who has control over a structure which penetrates or will penetrate the airspace over which the Commission has Jurisdiction shall apply for a permit from the Commission in accordance with 602 KAR 50:090.

INSTRUCTIONS

1. "Alteration" means to increase or decrease the height of a structure or change the obstruction marking and lighting.
2. "Applicant" means the person who will own or have control over the completed structure.
3. "Certification by Applicant" shall be made by the individual who will own or control the completed structure; or a partner in a partnership; or the president or authorized officer of a corporation company, or association; or the authorized official of a body politic; or the legally designated representative of a trustee, receiver, or assignee.
4. Prepare the application and forward to the Kentucky Dept. of Aviation, ATTN: Airport Zoning Commission, 90 Airport Drive, Frankfort KY 40601. For questions, telephone 502-782-4043.
5. The statutes applicable to the Kentucky Airport Commission are KRS 183.861 to 183.990 and the administrative regulations are 602 KAR Chapter 50.
6. When applicable, attach the following appendices to the application:

Appendix A. A 7.5 minute quadrangle topographical map prepared by the U.S. Geological Survey and the Kentucky Geological Survey with the exact location of the structure which is the subject of the application indicated thereon. (*The 7.5 minute quadrangle map may be obtained from the Kentucky Geological Survey, Department of Mines and Minerals, Lexington, KY 40506.*)

Appendix B. For structures on or very near to property of a public use airport, a copy of the airport layout drawing (ALP) with the exact location of the structure which is the subject of this application indicated thereon. (*The ALP may be obtained from the Chairperson of the local airport board or the Kentucky Airport Zoning Commission.*)

Appendix C. Copies of Federal Aviation Administration Applications (*FFA Form 7460-1*) or any orders issued by the manager, Air Traffic Division, FAA regional office.

Appendix D. If the applicant has indicated in item number 7 of the application that the structure will not be marked or lighted in accordance with the regulations of the Commission, the applicant shall attach a written request for a determination by the commission that the marking and lighting are not necessary. The applicant shall specifically state the reasons that the absence of marking and lighting will not impair the safety of air navigation.

Appendix E. The overall height in feet of the overhead transmission line or static wire above ground level or mean water level with span length 1,000 feet and over shall be depicted on a blueprint profile map.

PENALTIES

1. Persons failing to comply with the Airport Zoning Commission statutes and regulations are liable for a fine or imprisonment as set forth in KRS 183.990(3).
2. Applicants are cautioned: Noncompliance with Federal Aviation Administration Regulations may provide for further penalties.



KENTUCKY TRANSPORTATION CABINET
KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) Verizon Wireless		PHONE 7707971837	FAX	KY AERONAUTICAL STUDY #	
ADDRESS (street) 5055 North Point Pkwy NP2NE		CITY Alpharetta		STATE GA	ZIP 30022
APPLICANT'S REPRESENTATIVE (name) Michele Warren		PHONE 7707971837	FAX		
ADDRESS (street) 5055 North Point Pkwy NP2NE		CITY Alpharetta		STATE GA	ZIP 30022
APPLICATION FOR <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				WORK SCHEDULE	
DURATION <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days)				Start End	
TYPE <input type="checkbox"/> Crane <input type="checkbox"/> Building <input checked="" type="checkbox"/> Antenna Tower <input type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		MARKING/PAINTING/LIGHTING PREFERRED <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input checked="" type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input type="checkbox"/> Other			
LATITUDE 37°01'52.38"		LONGITUDE 85°31'03.08"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
NEAREST KENTUCKY City Edmonton County Metcalfe		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT Columbia-Adair			
SITE ELEVATION (AMSL, feet) 771		TOTAL STRUCTURE HEIGHT (AGL, feet) 305		CURRENT (FAA aeronautical study #) 2022-ASO-36487-OE	
OVERALL HEIGHT (site elevation plus total structure height, feet) 1076				PREVIOUS (FAA aeronautical study #)	
DISTANCE (from nearest Kentucky public use or Military airport to structure) 9 nautical miles				PREVIOUS (KY aeronautical study #)	
DIRECTION (from nearest Kentucky public use or Military airport to structure) west					
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) East Fork Road, Edmonton KY 42129					
DESCRIPTION OF PROPOSAL Proposing to build a 305ft lattice tower					
FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?) <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 09/23/22					
CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)					
PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)					
NAME Michele Warren	TITLE Sr. Engineer	SIGNATURE 		DATE 09/30/22	
COMMISSION ACTION					
<input type="checkbox"/> Chairperson, KAZC <input type="checkbox"/> Administrator, KAZC					
<input type="checkbox"/> Approved	SIGNATURE		DATE		
<input type="checkbox"/> Disapproved					



KENTUCKY AIRPORT ZONING COMMISSION

ANDY BESHEAR
Governor

Department of Aviation, 90 Airport Road
Frankfort, KY 40601
www.transportation.ky.gov
502-564-0151

JIM GRAY
Secretary

APPROVAL OF APPLICATION

Monday, August 14, 2023

Verizon Wireless - Attn: Michele Warren
5055 North Point Pkwy NP2NE
Alpharetta, GA 30022

SUBJECT STUDY #:

AS-2022-114-I96

Columbia-Adair County Airport

APPLICANTS NAME

Verizon Wireless

NEAREST CITY

Edmonton, KY

LATITUDE/LONGITUDE

37°01'52.38"N, 85°31'03.08"W

HEIGHT (In Feet)

305' AGL / 1076' AMSL

CONSTRUCTION PROPOSED

Antenna Tower

NOTES: This proposed Antenna Tower is located 8.3 nm west of the Columbia-Adair County Airport. Exceeds the 200' AGL limit.

FAA DETERMINATION: 2022-ASO-36487-OE, expires 12/1/2024. No Hazard/No Impact to Air Navigation.

This letter notifies you that the Kentucky Airport Zoning Commission approved your permit application for the construction of Structures at the Location, Coordinates, and Height as indicated above. Construction must comply with requirements, if any, listed in the FAA Determination.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

An email of this letter was also sent to your representative, Michele Warren, michele.warren@verizonwireless.com. If you have any questions, please contact us.

Respectfully,

Anthony Adams

Airport Zoning Commission Administrator

KY Department of Aviation

AirportZoning@ky.gov

502-564-0151 Office

Geotechnical Report

New Self-Support Tower

Report Prepared for
TeleCAD

Site Name: CK Cumberland Parkway

E Fork Road, Edmonton, KY 42129
Lat: 37.03133
Lon: -85.51711

FDH Infrastructure Services Project Number PR-008746

Prepared by:

Reviewed and signed by:

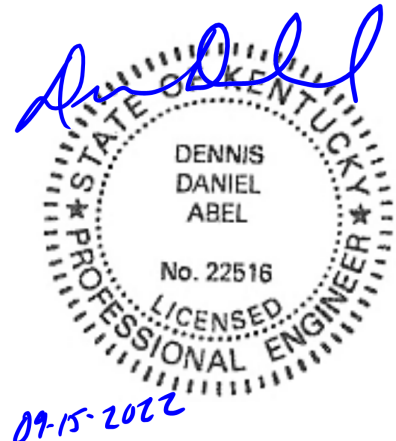


Pramila Adhikari, Ph.D., P.E.
Geotechnical Engineer

Dennis Abel, P.E.
Chief Engineer

FDH Infrastructure Services
6521 Meridien Drive
Raleigh, NC 27616
(919) 755-1012
geotech@fdh-is.com

09/15/2022



INTRODUCTION

FDH Infrastructure Services is pleased to present this geotechnical report for a new self-support telecommunication tower. The design foundation loads at the base of the tower were not provided to us. The purpose of this study was to determine the general subsurface conditions in the vicinity of the proposed tower site and provide foundation recommendations. The results of the boring and laboratory testing are included, in addition to recommendations for designing and constructing the new tower's foundation.

This report should not be considered as a construction document.

SITE CONDITIONS

The subject site is located at East Fork Road in Edmonton, Kentucky, which is in Metcalfe County. The proposed tower and equipment compound will be located in a forested area adjacent to agricultural land. The area around the proposed tower consists of mild to moderate forested slopes, open grasslands, and agricultural land. A Satellite Map and a Topographic Map are presented on Figures 1 and 2 in this report.

FIELD EXPLORATION

Subsurface conditions were evaluated by obtaining one (1) test boring (B-1) at the proposed tower location as shown on Figure 3. The test boring was initiated and completed on 08/29/2022. The drilling was performed with a truck-mounted drill. A photograph of the drill rig and drill site is presented in Figure 4. The soil test boring was advanced using hollow stem auger drilling procedures to an auger refusal depth of 2.5 ft below ground. The subsurface soils were generally sampled at 2.0 ft intervals for the first 10.0 ft and at 5.0 ft intervals thereafter. The boring was sampled by driving a 1 3/8 in. I.D. split spoon sampler in accordance with the standard penetration test procedures designated in ASTM D-1586. The sampler was first seated 6 in. to penetrate any loose cuttings and then driven an additional 12 in. with an automatic 140-pound hammer free falling 30 in. The number of hammer blows required to drive the sampler the final 12 in. is designated the standard penetration test N-value. Below 2.5 ft, rock coring procedures outlined in ASTM D-2113 were utilized to core into the underlying rock to a depth of 12.5 ft below grade. A boring log is attached in Appendix I.

LABORATORY CLASSIFICATION AND TESTING

The soil and rock samples were transported to our soil laboratory and examined by a geotechnical engineer. The soil samples were classified according to ASTM D-2487. A photograph of the soil and rock samples before classification is presented in Figure 4. Rock core samples were prepared and tested for unconfined compressive strength (ASTM D-2938). The laboratory test results are presented on the boring log. The soil and rock samples will be retained in our laboratory for a period of six months (180 days), after which, they will be discarded unless other instructions are received as to their disposition.

SITE GEOLOGY

The site is located within the Interior Low Plateaus physiographic province of the contiguous United States. The Interior Low Plateaus province was not glaciated and is typically characterized by rolling limestone plains punctuated with regions of fairly rugged hills with areas of swampy alluvial valleys, deeply entrenched rivers and streams, and expansive *karst* plains. Bedrock also consists of sandstone, shale,

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conglomerate, and coal. Overburden soils are primarily residual soils weathered in place from the underlying bedrock, with areas of aeolian loess.

According to the geologic map of Kentucky, the site is underlain by the Renfro and Muldraugh Members of Borden Formation and Fort Payne formation, undivided of Mississippian age. This formation consists of limestone, dolostone, shale and sandstone.

FROST DEPTH

Based on the TIA Standard (TIA-222-H), the recommended design frost penetration depth to be used for Metcalfe County, Kentucky is 16 inches (1.3 ft).

SUBSURFACE CONDITIONS

The boring encountered 4 inches of topsoil at the ground surface. Below the surface material, the boring encountered the general strata given in the following table.

Strata #	Approx. Depth (ft)	General Description
I	0.3 – 2.5	Very stiff sandy silty clay (CL-ML)
II	2.5 – 12.5	Dolostone

Additional details for each stratum are given on the attached boring log.

Groundwater was not encountered in the soil boring B-1 at the time of drilling. Groundwater levels will fluctuate with seasonal and climatic changes and may be different at other times.

RECOMMENDATIONS

Foundations

The following recommendations are made based on our review of the test boring data and laboratory results and our past experience with similar projects and subsurface conditions. Ultimate soil and rock strength parameters are presented on Table 1 (attached). Based on the subsurface conditions and typical design foundation loads for similar self support towers, we recommend that either caissons (drilled shafts) or pads and piers or a single mat be used to support the new tower.

Caissons (Drilled Shafts)

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 in Table 2 (attached) be used for this project. Please note the tip bearing capacity and skin frictions are ultimate values. Appropriate factors of safety or resistance factors should be used. Lateral loads can be resisted by the lateral stiffness of the soil and rock. Parameters for analysis of the laterally loaded caisson are also given in Table 2.

Based on the subsurface soil conditions, excavations for the caissons (drilled shafts) should be possible using a large, truck-mounted, hydraulic-advanced drill rig. Due to the dolostone encountered at

2.5 ft, rock drilling augers with carbide tips or rock coring may be necessary to advance the borehole. 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.

Pads & Piers or Single Mat

Should a pads & piers foundation system or single mat foundation be used, we recommend the bottom of the pad foundations or single mat bear at a depth deeper than 2.0 ft based on the subgrade conditions and frost penetration depth of the project site. The tower's foundation capacity can be determined using the bearing capacity, passive pressure resistance, and a sliding friction factor.

- **Net Ultimate Bearing Capacity and Ultimate Sliding Friction Factor:** Shown in Table 3 (attached). This table contains ultimate values and an appropriate factor of safety or resistance factor should be used.
- **Ultimate Passive Pressure vs. Depth:** Shown in Table 4 (attached). This table contains ultimate values and an appropriate factor of safety or resistance factor should be used. These values have been reduced for frost penetration to a depth of 1.3 ft.

The pads or single mat should bear on natural soils or on controlled structural fill placed on satisfactory, firm, and stable natural soils. The site should be stripped to suitable depths to remove any existing grass, topsoil, rootmat, or other deleterious material. Structural fill used to elevate the grade and/or backfill any excavations should consist of clean granular soils without deleterious inclusions and with maximum 3.0-inch particle size. The structural granular fill may need to be imported from an offsite location. The structural fill material should be placed in maximum of 8.0 inches loose lifts and compacted to a minimum of 95 percent of the maximum dry density as per ASTM D-698. The moisture content should be within -3 to +3 % of optimum moisture.

Due to the dolostone bedrock encountered at a depth of 2.5 ft below ground surface in boring B-1, excavating equipment which includes a hydraulic hammer and/or a rock ripping bucket may be needed to advance the excavation.

The pads & piers foundation system or single mat foundation should be protected from freezing if built during the winter or subject to freezing temperatures during construction. Groundwater was not encountered during the drilling of boring B-1. The water level at the tower site should be closely monitored

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during construction. If necessary, a proper dewatering method should be used to lower down the water level to a depth at least 2.0 ft below the bearing depth of the foundation.

Additionally, positive surface drainage should be provided to prevent rainwater water collection in foundation excavations or on subgrades of the construction area either during or after construction. Undercut or excavated areas should be sloped toward a corner to facilitate removal of any collected rainwater or surface runoff with a sump pump.

LIMITATIONS

All opinions and conclusions are considered accurate to a reasonable degree of engineering certainty based upon the evidence available at the time of this report. All opinions and conclusions are subject to revision based upon receipt of new or additional/updated information. All services are provided exercising a level of care and diligence equivalent to the standard and care of our profession. No other warranty or guarantee, expressed or implied, is offered. Our services are confidential in nature and we will not release this report to any other party without the client's consent. The use of this engineering work is limited to the express purpose for which it was commissioned and it may not be reused, copied, or distributed for any other purpose without the written consent of FDH Infrastructure Services.

TABLES

Table 1 – Ultimate Strength Parameters

Boring #	Depth (ft)	Unified Soil or Rock Classification	*Total Unit Weight (pcf)	Friction Angle (degrees)	Cohesion (psf)
B-1	0.0 – 0.3	Topsoil	90	0	0
	0.3 – 2.5	CL-ML	120	0	4,000
	2.5 – 12.5	DOLOSTONE	155	0	30,000

**Groundwater was not encountered during the drilling of boring B-1.*

Table 2 – Caissons (Drilled Shafts) Parameters

Depth (ft)	Net Ultimate Tip Bearing Capacity (ksf)	*Ultimate Skin Friction (ksf)		Lateral Modulus (pci)	ε ₅₀ (in/in)
		Compressive	Uplift		
0.0 – 0.3	--	--	--	--	--
0.3 – 2.5	--	--	--	800	0.004
2.5 – 7.5	--	4.5	4.5	2,900	0.0003
7.5 – 12.5	50.0	4.5	4.5	2,900	0.0003

**We recommend the skin friction be ignored for the top 2.5 ft of the caissons.*

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Table 3 – Net Ultimate Bearing Capacity

Foundation Type	Bearing Depth (ft)	Net Ultimate Bearing Capacity (psf)	Sliding Friction Factor
Pads & Piers / Single Mat	2.0 – 2.5	23,000	0.35
	2.5 – 8.0	40,000	0.55

Table 4 – Ultimate Passive Pressure

Boring #	Depth (ft)	Ultimate Passive Pressure (psf)
B-1	0.0 – 0.3	--
	0.3 – 1.3	4,015 – 4,075
	1.3 – 2.5	8,145 – 8,290
	2.5 – 10.0	60,290 – 61,455

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

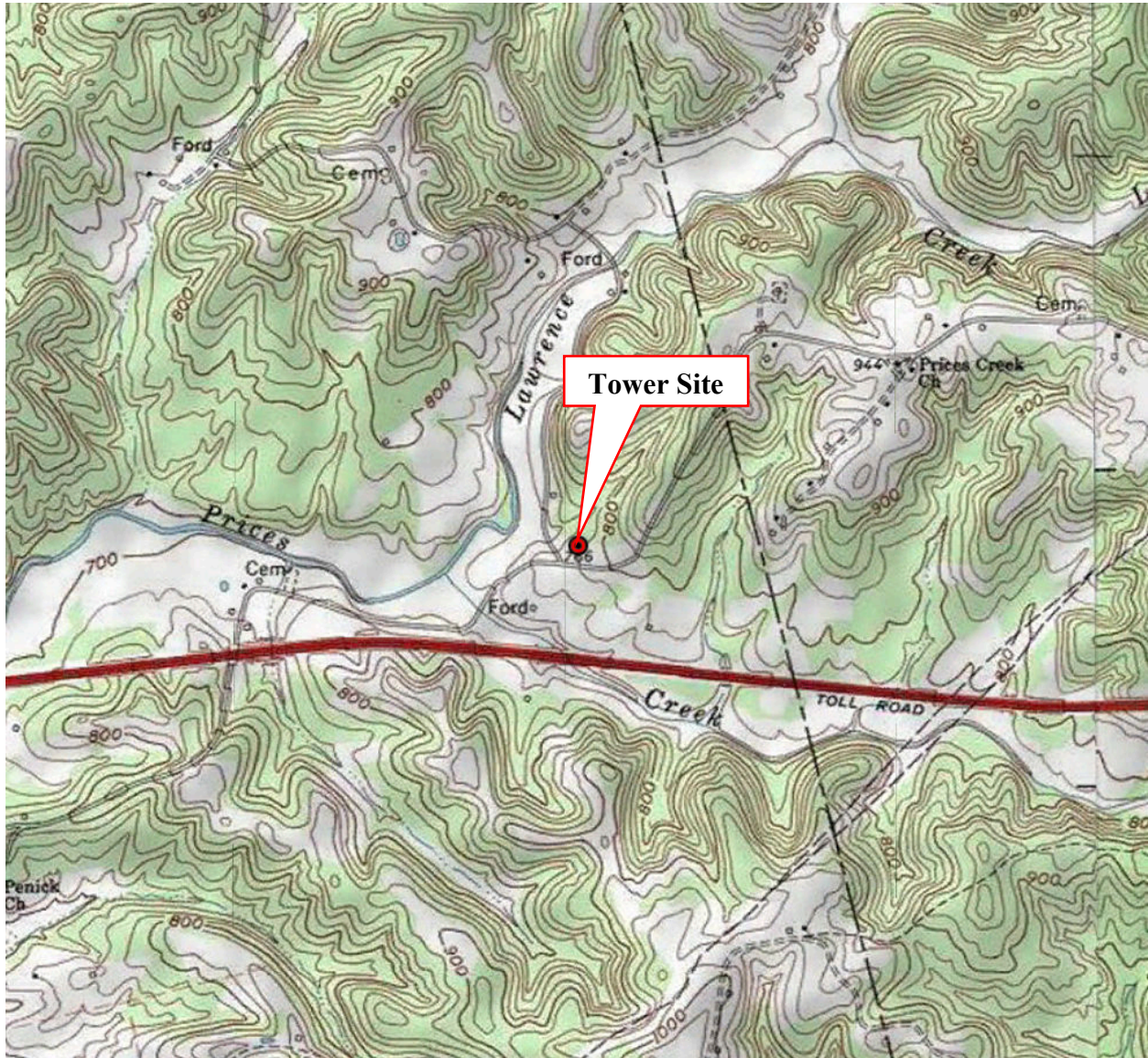
FIGURES

FIGURE 1: Satellite Map



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FIGURE 2: Topographic Map



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FIGURE 3: Boring Location Plan



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FIGURE 4: Photograph of Drill Rig and Tower Site



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FIGURE 5: Photograph of Soil and Rock Samples



APPENDIX I – BORING LOG

DATE DRILLED : 8/29/2022

DRILLING METHOD : Hollow Stem Auger & Rock Coring

HAMMER TYPE: Automatic






HAMMER EFFICIENCY:

GROUND WATER LEVELS:

▽ **AT TIME OF DRILLING :** --- Not encountered

▼ **AFTER DRILLING :** ---

BORING DEPTH (ft) : 12.5

DEPTH (ft)	SAMPLE TYPE	GRAPHIC LOG	MATERIAL CLASSIFICATION	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	TORVANE (tsf)	MOIST UNIT WT. (pcf)	MOISTURE CONTENT (%)	COMPRESSIVE STRENGTH (ksf)	ATTERBERG LIMITS			FINES CONTENT (%)	MATERIAL DESCRIPTION
										LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX		
0.0														Topsoil - 4 inches
2.5			CL-ML	50/1"										SANDY SILTY CLAY (CL-ML), trace gravel, very stiff, brown, dry
5.0				REC = 90% RQD = 51%			160							DOLOSTONE, moderately to highly fractured, moderately to highly weathered, moderately hard, gray, dry - Unconfined Compressive Strength - 4,135 psi
7.5							164							- Unconfined Compressive Strength - 9,800 psi
10.0				REC = 100% RQD = 58%			164							- Unconfined Compressive Strength - 11,500 psi - moderately fractured, moderately weathered
12.5							164							- Unconfined Compressive Strength - 4,750 psi
15.0														Refusal at 2.5 feet. Bottom of borehole at 12.5 feet.

DIRECTIONS TO SITE

DIRECTIONS FROM METCALFE COUNTY COURTHOUSE 201 N MAIN ST: HEAD NORTH ON US-68 E / KY-80 / S MAIN ST TOWARD N MAIN ST (5.2 MI). TURN LEFT ONTO JACK SPARKS RD (0.8 MI) BEAR RIGHT ONTO E FORK RD (1.6 MI) ARRIVE AT E FORK RD ON THE LEFT THE LAST INTERSECTION BEFORE YOUR DESTINATION IS GRANVILLE SEXTON RD.

Prepared by: TeleCAD Wireless, 423-843-9500

LAND LEASE AGREEMENT

This Land Lease Agreement (the "Agreement") made this 9 day of November, 2022 between **Michael A. and Sheila F. Sexton**, husband and wife, and **Matthew A. and Aimee M. Sexton**, husband and wife, and all Kentucky residents with a mailing address of P O Box 826, Edmonton KY 42129, hereinafter collectively designated LESSOR and **Cellco Partnership d/b/a Verizon Wireless** with its principal offices at One Verizon Way, Mail Stop 4AW100, Basking Ridge, New Jersey 07920 (telephone number 866-862-4404), hereinafter designated LESSEE. LESSOR and LESSEE are at times collectively referred to hereinafter as the "Parties" or individually as the "Party."

WITNESSETH

In consideration of the mutual covenants contained herein and intending to be legally bound hereby, the Parties hereto agree as follows:

1. **GRANT.** In accordance with this Agreement, LESSOR hereby grants to LESSEE the right to install, maintain and operate a telecommunications tower, facility, and equipment ("Use") upon the Premises (as hereinafter defined), which are a part of that real property owned, leased or controlled by LESSOR at approximately East Fork Road, Edmonton, Kentucky 42129 (the "Property"). The Property is legally described on Exhibit "A" attached hereto and made a part hereof. The Premises are a portion of the Property including a portion of the parcel of land space (the "Land Space") consisting of approximately 100' x 100', or 10,000 square feet of land, as shown in detail on Exhibit "B" attached hereto and made a part hereof. LESSOR hereby grants permission to LESSEE to install, maintain and operate the telecommunications tower, facility, and equipment, antennas and appurtenances described in Exhibit "B" attached hereto. LESSEE reserves the right to replace the aforementioned equipment with similar and comparable equipment. In addition, LESSOR hereby grants to LESSEE a non-exclusive right (the "Easements") over the Property for access, ingress and egress, seven (7) days a week twenty-four (24) hours a day, on foot or motor vehicle, including trucks over or along a thirty foot (30') wide right-of-way extending from the nearest public right-of-way, East Fork Road, to the Land Space, and for the installation and maintenance of utility wires, poles, cables, conduits, fiber, and pipes over, under, or along one or more rights of way from the Land Space, said Land Space and Rights of Way (hereinafter collectively referred to as the "Premises") being substantially as described herein in Exhibit "B" attached hereto and made a part hereof. The Property is also shown on the Tax Map of the County of Metcalfe, as Tax Map ID Number 075-00-00-008.08.

In the event any public utility is unable to use the Easements, the LESSOR hereby agrees to grant an additional right-of-way either to the LESSEE or to the public utility at no cost to the LESSEE.

LESSEE may survey the Premises and said survey shall then become Exhibit "C" which shall be attached hereto and made a part hereof, and shall control in the event of boundary and access discrepancies between it and Exhibit "B". Cost for such work shall be borne by the LESSEE.

2. **INITIAL TERM.** This Agreement shall be effective as of the date of execution by both Parties ("Effective Date"). The initial term of the Agreement shall be for five (5) years beginning on the Commencement Date (as hereinafter defined). The "Commencement Date" shall be the first (1st) day of the month after LESSEE begins construction of the telecommunications facility. LESSOR and LESSEE agree

VzW Site Name: CK Cumberland Parkway

Location Code: 714526

Atty Coots Henke & Wheeler, P.C.: Daniel E. Coots

that they shall acknowledge, in writing, the Commencement Date once construction of the telecommunications facility has commenced.

3. EXTENSIONS. This Agreement shall automatically be extended for 4 additional five (5) year terms unless LESSEE terminates it at the end of the then current term by giving LESSOR written notice of the intent to terminate at least three (3) months prior to the end of the then current term. The initial term and all extensions shall be collectively referred to herein as the "Term".

4. RENTAL.

(a). Rental payments shall begin on the Commencement Date and be due at a total annual rental of

on the first (1st) day of the month, in advance, to LESSOR at P O Box 826, Edmonton KY 42129 or to such other person, firm, or place as LESSOR may, from time to time, designate in writing at least 30 days in advance of any rental payment date by notice given in accordance with Paragraph 20 below. LESSOR and LESSEE acknowledge and agree that the initial rental payment shall not be delivered by LESSEE until 60 days after the Commencement Date. Upon agreement of the Parties, LESSEE may pay rent by electronic funds transfer and in such event, LESSOR agrees to provide to LESSEE bank routing information for such purpose upon request of LESSEE.

(b). For any party to whom rental payments are to be made, LESSOR or any successor in interest of LESSOR hereby agrees to provide to LESSEE (i) a completed, current version of Internal Revenue Service Form W-9, or equivalent; (ii) complete and fully executed state and local withholding forms if required; and (iii) other documentation to verify LESSOR's or such other party's right to receive rental as is reasonably requested by LESSEE. Rental shall accrue in accordance with this Agreement, but LESSEE shall have no obligation to deliver rental payments until the requested documentation has been received by LESSEE. Upon receipt of the requested documentation, LESSEE shall deliver the accrued rental payments as directed by LESSOR.

(c). The rental amount shall increase by at the beginning of each 5 year renewal term from the Commencement Date, as defined herein.

(d). ADDITIONAL EXTENSIONS. If at the end of the fourth (4th) five (5) year extension term this Agreement has not been terminated by either Party by giving to the other written notice of an intention to terminate it at least three (3) months prior to the end of such term, this Agreement shall continue in force upon the same covenants, terms and conditions for a further term of five (5) years and for five (5) year terms thereafter until terminated by either Party by giving to the other written notice of its intention to so terminate at least three (3) months prior to the end of such term. Annual rental for each such additional five (5) year term shall increase by and additional ten percent (10%) to the annual rental payable with respect to the immediately preceding five (5) year term, unless other payment terms are agreed upon by both parties. The initial term and all extensions shall be collectively referred to herein as the "Term".

5. ACCESS. LESSEE shall have the non-exclusive right of ingress and egress from a public right-of-way, 7 days a week, 24 hours a day, over the Property to and from the Premises for the purpose of installation, operation and maintenance of LESSEE's communications equipment over or along a thirty foot (30') right-of-way ("Easement"), which shall be depicted on Exhibit "B".

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LESSEE may use the Easement for the installation, operation and maintenance of wires, cables, conduits and pipes for all necessary electrical, telephone, fiber and other similar support services. In the event it is necessary, LESSOR agrees to grant LESSEE or the provider the right to install such services on, through, over and/or under the Property, provided the location of such services shall be reasonably approved by LESSOR. Notwithstanding anything to the contrary, the Premises shall include such additional space sufficient for LESSEE's radio frequency signage and/or barricades as are necessary to ensure LESSEE's compliance with Laws (as defined in Paragraph 27). Said right-of-way for access shall be maintained by the LESSEE at the expense of the LESSEE.

6. CONDITION OF PROPERTY. LESSOR shall deliver the Premises to LESSEE in a condition ready for LESSEE's Use and clean and free of debris. Notwithstanding the foregoing, LESSEE shall be responsible for any tree clearing/site preparation associated with the Land Space and/or Easement areas. LESSOR represents and warrants to LESSEE that as of the Effective Date, the Premises is (a) in compliance with all Laws; and (b) in compliance with all EH&S Laws (as defined in Paragraph 24).

7. IMPROVEMENTS. The communications equipment including, without limitation, the tower, equipment shelters/platforms, antenna mounts, antennas, conduits, and other improvements shall be at LESSEE's expense and installation shall be at the discretion and option of LESSEE. LESSEE shall have the right to replace, repair, add or otherwise modify its communications equipment, antennas, conduits, fencing and other screening, or other improvements or any portion thereof and the frequencies over which the communications equipment operates, whether or not any of the communications equipment, antennas, conduits or other improvements are listed on any exhibit.

8. GOVERNMENT APPROVALS. LESSEE's Use is contingent upon LESSEE obtaining all of the certificates, permits and other approvals (collectively the "Government Approvals") that may be required by any Federal, State or Local authorities (collectively, the "Government Entities") as well as a satisfactory soil boring test, environmental studies, or any other due diligence LESSEE chooses that will permit LESSEE's Use. By signing this Agreement, LESSOR consents to LESSEE making all necessary applications with the appropriate zoning authority and shall cooperate with LESSEE in its effort to obtain such approvals. LESSOR shall take no action which would adversely affect the status of the Property with respect to LESSEE's Use.

9. TERMINATION. LESSEE may, unless otherwise stated, immediately terminate this Agreement upon written notice to LESSOR in the event that (i) any applications for such Government Approvals should be finally rejected; (ii) any Government Approval issued to LESSEE is canceled, expires, lapses or is otherwise withdrawn or terminated by any Government Entity; (iii) LESSEE determines that such Government Approvals may not be obtained in a timely manner; (iv) LESSEE determines any structural analysis is unsatisfactory; (v) LESSEE, in its sole discretion, determines the Use of the Premises is obsolete or unnecessary; (vi) with 3 months prior notice to LESSOR, upon the annual anniversary of the Commencement Date; or (vii) at any time before the Commencement Date for any reason or no reason in LESSEE's sole discretion.

10. INDEMNIFICATION. Subject to Paragraphs 11 and 12, each Party shall indemnify and hold the other harmless against any claim of liability or loss from personal injury or property damage resulting from or arising out of the negligence or willful misconduct of the indemnifying Party, its employees, contractors or agents, except to the extent such claims or damages may be due to or

caused by the negligence or willful misconduct of the other Party, or its employees, contractors or agents. The indemnified Party will provide the indemnifying Party with prompt, written notice of any claim covered by this indemnification; provided that any failure of the indemnified Party to provide any such notice, or to provide it promptly, shall not relieve the indemnifying Party from its indemnification obligation in respect of such claim, except to the extent the indemnifying Party can establish actual prejudice and direct damages as a result thereof. The indemnified Party will cooperate appropriately with the indemnifying Party in connection with the indemnifying Party's defense of such claim. The indemnifying Party shall defend any indemnified Party, at the indemnified Party's request, against any claim with counsel reasonably satisfactory to the indemnified Party. The indemnifying Party shall not settle or compromise any such claim or consent to the entry of any judgment without the prior written consent of each indemnified Party and without an unconditional release of all claims by each claimant or plaintiff in favor of each indemnified Party.

11. INSURANCE. The LESSOR agrees to maintain commercial liability insurance with limits not less than \$1,000,000 for injury to or death of one or more persons in any one occurrence and \$1,000,000 for damage or destruction in any one occurrence. LESSEE shall reimburse and pay to LESSOR any increase in LESSOR's premiums for commercial liability insurance directly resulting from LESSEE's use and occupancy of the Premises and the operations conducted thereon by LESSEE. Payment for such insurance premium reimbursement will be made within sixty (60) days of the date the invoice given to LESSEE from the LESSOR. As long as the policy exclusive contains the leased premises, and no other premises owned by the LESSOR the reimbursement will be given. LESSOR will be responsible at own cost and expense for any insurance contained in policy outside leased premises. The LESSEE agrees that at its own cost and expense, it will maintain commercial general liability insurance with limits not less than \$2,000,000 for injury to or death of one or more persons in any one occurrence and \$2,000,000 for damage or destruction in any one occurrence. The Parties agree to include the other Party as an additional insured. The Parties hereby waive and release any and all rights of action for negligence against the other which may hereafter arise on account of damage to the Premises or the Property, resulting from any fire, or other casualty which is insurable under "Causes of Loss – Special Form" property damage insurance or for the kind covered by standard fire insurance policies with extended coverage, regardless of whether or not, or in what amounts, such insurance is now or hereafter carried by the Parties, even if any such fire or other casualty shall have been caused by the fault or negligence of the other Party. These waivers and releases shall apply between the Parties and they shall also apply to any claims under or through either Party as a result of any asserted right of subrogation. All such policies of insurance obtained by either Party concerning the Premises or the Property shall waive the insurer's right of subrogation against the other Party.

12. LIMITATION OF LIABILITY. Except for indemnification pursuant to Paragraphs 10 and 24, a violation of Paragraph 30, or a violation of law, neither Party shall be liable to the other, or any of their respective agents, representatives, or employees for any lost revenue, lost profits, loss of technology, rights or services, incidental, punitive, indirect, special or consequential damages, loss of data, or interruption or loss of use of service, even if advised of the possibility of such damages, whether under theory of contract, tort (including negligence), strict liability or otherwise.

13. INTERFERENCE.

(a). LESSOR agrees that LESSOR and other occupants of the Property will not cause interference to LESSEE's equipment (that is measurable in accordance with industry standards to the then existing equipment of LESSEE).

(b). Without limiting any other rights or remedies, if interference occurs and continues for a period in excess of 48 hours following notice to the interfering party via telephone to LESSEE'S Network Operations Center (at (800) 224-6620/(800) 621-2622) or to LESSOR at (270) 634-0373 (Michael Sexton), the interfering party shall or shall require any other user to reduce power or cease operations of the interfering equipment until the interference is cured.

(c). The Parties acknowledge that there will not be an adequate remedy at law for noncompliance with the provisions of this Paragraph and therefore the Parties shall have the right to equitable remedies such as, without limitation, injunctive relief and specific performance.

14. REMOVAL AT END OF TERM. Upon expiration or within ninety (90) days of earlier termination, LESSEE shall remove LESSEE's Communications Equipment (except footings) and restore the Premises to its original condition, reasonable wear and tear and casualty damage excepted. LESSOR agrees and acknowledges that the communications equipment shall remain the personal property of LESSEE and LESSEE shall have the right to remove the same at any time during the Term, whether or not said items are considered fixtures and attachments to real property under applicable laws. If such time for removal causes LESSEE to remain on the Premises after termination of the Agreement, LESSEE shall pay rent at the then existing monthly rate or on the existing monthly pro-rata basis if based upon a longer payment term, until the removal of the communications equipment is completed.

15. HOLDOVER. If upon expiration of the Term the Parties are negotiating a new lease or a lease extension, then this Agreement shall continue during such negotiations on a month to month basis at the rental in effect as of the date of the expiration of the Term. In the event that the Parties are not in the process of negotiating a new lease or lease extension and LESSEE holds over after the expiration or earlier termination of the Term, then LESSEE shall pay rent at the then existing monthly rate or on the existing monthly pro-rata basis if based upon a longer payment term, until the removal of the communications equipment is completed.

16. RIGHT OF FIRST REFUSAL. If at any time after the Effective Date, LESSOR receives an offer or letter of intent from any person or entity that is in the business of owning, managing or operating communications facilities or is in the business of acquiring landlord interests in agreements relating to communications facilities, to purchase fee title, an easement, a lease, a license, or any other interest in the Premises or any portion thereof or to acquire any interest in this Agreement, or an option for any of the foregoing, LESSOR shall provide written notice to LESSEE of said offer ("LESSOR's Notice"). LESSOR's Notice shall include the prospective buyer's name, the purchase price being offered, any other consideration being offered, the other terms and conditions of the offer, a description of the portion of and interest in the Premises and/or this Agreement which will be conveyed in the proposed transaction, and a copy of any letters of intent or form agreements presented to LESSOR by the third party offeror. LESSEE shall have the right of first refusal to meet any bona fide offer of sale or transfer on the terms and conditions of such

offer or by effectuating a transaction with substantially equivalent financial terms. If LESSEE fails to provide written notice to LESSOR that LESSEE intends to meet such bona fide offer within thirty (30) days after receipt of LESSOR's Notice, LESSOR may proceed with the proposed transaction in accordance with the terms and conditions of such third party offer, in which event this Agreement shall continue in full force and effect and the right of first refusal described in this Paragraph shall survive any such conveyance to a third party. If LESSEE provides LESSOR with notice of LESSEE's intention to meet the third party offer within thirty (30) days after receipt of LESSOR's Notice, then if LESSOR's Notice describes a transaction involving greater space than the Premises, LESSEE may elect to proceed with a transaction covering only the Premises and the purchase price shall be negotiated and must be agreed upon by both parties (LESSOR AND LESSEE). Further, LESSOR acknowledges and agrees that if LESSEE exercises this right of first refusal, LESSEE may require a reasonable period of time to conduct due diligence and effectuate the closing of a transaction on substantially equivalent financial terms of the third party offer. For purposes of this Paragraph, any transfer, bequest or devise of LESSOR's interest in the Property as a result of the death of LESSOR, whether by will or intestate succession, or any conveyance to LESSOR's family members by direct conveyance or by conveyance to a trust for the benefit of family members shall not be considered a sale for which LESSEE has any right of first refusal.

17. RIGHTS UPON SALE. Should LESSOR, at any time during the Term, decide (i) to sell or otherwise transfer all or any part of the Property, or (ii) to grant to a third party by easement or other legal instrument an interest in and to any portion of the Premises, such sale, transfer, or grant of an easement or interest therein shall be under and subject to this Agreement and any such purchaser or transferee shall recognize LESSEE's rights hereunder. In the event that LESSOR completes any such sale, transfer, or grant described in this Paragraph without executing an assignment of the Agreement whereby the third party agrees in writing to assume all obligations of LESSOR under this Agreement, then LESSOR shall not be released from its obligations to LESSEE under this Agreement, and LESSEE shall have the right to look to LESSOR and the third party for the full performance of the Agreement.

18. LESSOR'S TITLE. LESSOR covenants that LESSEE, on paying the rent and performing the covenants herein, shall peaceably and quietly have, hold and enjoy the Premises. LESSOR represents and warrants to LESSEE as of the Effective Date and covenants during the Term that LESSOR has full authority to enter into and execute this Agreement and that there are no liens, judgments, covenants, easements, restrictions or other impediments of title that will adversely affect LESSEE's Use.

19. ASSIGNMENT. Without any approval or consent of the other Party, this Agreement may be sold, assigned or transferred by either Party to (i) any entity in which the Party directly or indirectly holds an equity or similar interest; (ii) any entity which directly or indirectly holds an equity or similar interest in the Party; or (iii) any entity directly or indirectly under common control with the Party. LESSEE may unilaterally assign this Agreement without the approval or consent of LESSOR to any third party tower company that agrees to construct and develop the Premises. LESSEE may also assign this Agreement to any entity which acquires all or substantially all of LESSEE's assets in the market defined by the FCC in which the Property is located by reason of a merger, acquisition or other business reorganization without approval or consent of LESSOR. As to other parties, this Agreement may not be sold, assigned or transferred without the written consent of the other Party, which such consent will not be unreasonably withheld, delayed or conditioned. No change of stock ownership, partnership interest or control of LESSEE or transfer upon partnership or corporate

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dissolution of either Party shall constitute an assignment hereunder. LESSEE may sublet the Premises in LESSEE's sole discretion.

20. **NOTICES.** Except for notices permitted via telephone in accordance with Paragraph 13, all notices hereunder must be in writing and shall be deemed validly given if sent by certified mail, return receipt requested or by commercial courier, provided the courier's regular business is delivery service and provided further that it guarantees delivery to the addressee by the end of the next business day following the courier's receipt from the sender, addressed as follows (or any other address that the Party to be notified may have designated to the sender by like notice):

LESSOR: Michael, Sheila, Matthew and Aimee Sexton
P O Box 826
Edmonton KY 42129

LESSEE: Cellco Partnership
d/b/a Verizon Wireless
180 Washington Valley Road
Bedminster, New Jersey 07921
Attention: Network Real Estate

Notice shall be effective upon actual receipt or refusal as shown on the receipt obtained pursuant to the foregoing.

21. **SUBORDINATION AND NON-DISTURBANCE.** If applicable and within fifteen (15) days of the Effective Date, LESSOR shall obtain a Non-Disturbance Agreement, as defined below, from its existing mortgagee(s), ground lessors and master lessors, if any, of the Property. At LESSOR's option, this Agreement shall be subordinate to any future master lease, ground lease, mortgage, deed of trust or other security interest (a "Mortgage") by LESSOR which from time to time may encumber all or part of the Property; provided, however, as a condition precedent to LESSEE being required to subordinate its interest in this Agreement to any future Mortgage covering the Property, LESSOR shall obtain for LESSEE's benefit a non-disturbance and attornment agreement for LESSEE's benefit in the form reasonably satisfactory to LESSEE, and containing the terms described below (the "Non-Disturbance Agreement"), and shall recognize LESSEE's rights under this Agreement. The Non-Disturbance Agreement shall include the encumbering party's ("Lender's") agreement that, if Lender or its successor-in-interest or any purchaser of Lender's or its successor's interest (a "Purchaser") acquires an ownership interest in the Property, Lender or such successor-in-interest or Purchaser will honor all of the terms of the Agreement. Such Non-Disturbance Agreement must be binding on all of Lender's participants in the subject loan (if any) and on all successors and assigns of Lender and/or its participants and on all Purchasers. In return for such Non-Disturbance Agreement, LESSEE will execute an agreement for Lender's benefit in which LESSEE (1) confirms that the Agreement is subordinate to the Mortgage or other real property interest in favor of Lender, (2) agrees to attorn to Lender if Lender becomes the owner of the Property and (3) agrees to accept a cure by Lender of any of LESSOR's defaults, provided such cure is completed within the deadline applicable to LESSOR. In the event LESSOR defaults in the payment and/or other performance of any mortgage or other real property

interest encumbering the Property, LESSEE, may, at its sole option and without obligation, cure or correct LESSOR's default and upon doing so, LESSEE shall be subrogated to any and all rights, titles, liens and equities of the holders of such mortgage or other real property interest and LESSEE shall be entitled to deduct and setoff against all rents that may otherwise become due under this Agreement the sums paid by LESSEE to cure or correct such defaults.

22. DEFAULT. It is a "Default" if (i) either Party fails to comply with this Agreement and does not remedy the failure within thirty (30) days after written notice by the other Party or, if the failure cannot reasonably be remedied in such time, if the failing Party does not commence a remedy within the allotted thirty (30) days and diligently pursue the cure to completion within ninety (90) days after the initial written notice, or (ii) LESSOR fails to comply with this Agreement and the failure substantially interferes with LESSEE's Use, in LESSEE's reasonable discretion, and LESSOR does not remedy the failure within five (5) days after written notice from LESSEE or, if the failure cannot reasonably be remedied in such time, if LESSOR does not commence a remedy within the allotted five (5) days and diligently pursue the cure to completion within fifteen (15) days after the initial written notice. The cure periods set forth in this Paragraph 22 do not extend the period of time in which either Party has to cure interference pursuant to Paragraph 13 of this Agreement.

23. REMEDIES. In the event of a Default, without limiting the non-defaulting Party in the exercise of any right or remedy which the non-defaulting Party may have by reason of such default, the non-defaulting Party may terminate this Agreement and/or pursue any remedy now or hereafter available to the non-defaulting Party under the Laws or judicial decisions of the state in which the Property is located. Further, upon a Default, the non-defaulting Party may at its option (but without obligation to do so), perform the defaulting Party's duty or obligation. The costs and expenses of any such performance by the non-defaulting Party shall be due and payable by the defaulting Party upon invoice therefor. If LESSEE undertakes any such performance on LESSOR's behalf and LESSOR does not pay LESSEE the full undisputed amount within thirty (30) days of its receipt of an invoice setting forth the amount due, LESSEE may offset the full undisputed amount due against all fees due and owing to LESSOR under this Agreement until the full undisputed amount is fully reimbursed to LESSEE.

24. ENVIRONMENTAL. LESSEE shall conduct its business in compliance with all applicable laws governing the protection of the environment or employee health and safety ("EH&S Laws"). LESSEE shall indemnify and hold harmless the LESSOR from claims to the extent resulting from LESSEE's violation of any applicable EH&S Laws or to the extent that LESSEE causes a release of any regulated substance to the environment. LESSOR shall indemnify and hold harmless LESSEE from all claims resulting from the violation of any applicable EH&S Laws by LESSOR or its employees, contractors or agents, or a release of any regulated substance to the environment caused by LESSOR, its employees, contractors or agents, except to the extent resulting from the activities of LESSEE. The Parties recognize that LESSEE is only leasing a small portion of LESSOR's property and that LESSEE shall not be responsible for any environmental condition or issue except to the extent resulting from LESSEE's specific activities and responsibilities. In the event that LESSEE encounters any hazardous substances that do not result from its activities, LESSEE may relocate its facilities to avoid such hazardous substances to a mutually agreeable location or, if LESSEE desires to remove at its own cost all or some the hazardous substances or materials (such as soil) containing those hazardous substances, LESSOR agrees to sign any necessary waste manifest associated with the removal, transportation and/or disposal of such substances.

25. CASUALTY. If a fire or other casualty damages the Property or the Premises and substantially impairs LESSEE's Use, in LESSEE's reasonable discretion, rent shall abate until LESSEE'S Use is restored for a period of time not to exceed forty-five (45) days. If LESSEE's Use is not restored within forty-five (45) days, LESSEE may terminate this Agreement. If LESSEE elects not to terminate this Agreement within this forty-five (45) day time period, then rent shall continue at the then current rate.

26. CONDEMNATION. If a condemnation of any portion of the Property or Premises substantially impairs LESSEE's Use, in LESSEE's reasonable discretion, LESSEE may terminate this Agreement. LESSEE may on its own behalf make a claim in any condemnation proceeding involving the Premises for losses related to LESSEE's communications equipment, relocation costs and, specifically excluding loss of LESSEE's leasehold interest, any other damages LESSEE may incur as a result of any such condemnation.

27. APPLICABLE LAWS. During the Term, LESSOR shall maintain the Property in compliance with all applicable laws, EH&S Laws, rules, regulations, ordinances, directives, covenants, easements, consent decrees, zoning and land use regulations, and restrictions of record, permits, building codes, and the requirements of any applicable fire insurance underwriter or rating bureau, now in effect or which may hereafter come into effect (including, without limitation, the Americans with Disabilities Act and laws regulating hazardous substances) (collectively "Laws"). LESSEE shall, in respect to the condition of the Premises and at LESSEE's sole cost and expense, comply with (i) all Laws relating solely to LESSEE's specific and unique nature of use of the Premises; and (ii) all building codes requiring modifications to the Premises due to the improvements being made by LESSEE in the Premises. It shall be LESSOR's obligation to comply with all Laws relating to the Property, without regard to specific use (including, without limitation, modifications required to enable LESSEE to obtain all necessary building permits).

28. TAXES.

(a). LESSOR shall invoice and LESSEE shall pay any applicable transaction tax (including sales, use, gross receipts, or excise tax) imposed on the LESSEE and required to be collected by the LESSOR based on any service, rental space, or equipment provided by the LESSOR to the LESSEE. LESSEE shall pay all personal property taxes, fees, assessments, or other taxes and charges imposed by any Government Entity that are imposed on the LESSEE and required to be paid by the LESSEE that are directly attributable to the LESSEE's equipment or LESSEE's use and occupancy of the Premises. Payment shall be made by LESSEE within sixty (60) days after presentation of a receipted bill and/or assessment notice which is the basis for such taxes or charges. LESSOR shall pay all ad valorem, personal property, real estate, sales and use taxes, fees, assessments or other taxes or charges that are attributable to LESSOR's Property or any portion thereof imposed by any Government Entity.

(b). LESSEE shall have the right, at its sole option and at its sole cost and expense, to appeal, challenge or seek modification of any tax assessment or billing for which LESSEE is wholly or partly responsible for payment. LESSOR shall reasonably cooperate with LESSEE at LESSEE's expense in filing, prosecuting and perfecting any appeal or challenge to taxes as set forth in the preceding sentence, including but not limited to, executing any consent, appeal or other similar document. In the event that as a result of any appeal or challenge by LESSEE, there is a reduction, credit or repayment received by the LESSOR for any taxes previously paid by LESSEE, LESSOR

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agrees to promptly reimburse to LESSEE the amount of said reduction, credit or repayment. In the event that LESSEE does not have the standing rights to pursue a good faith and reasonable dispute of any taxes under this paragraph, LESSOR will pursue such dispute at LESSEE's sole cost and expense upon written request of LESSEE.

29. ACCESS TO TOWER. LESSOR agrees the LESSEE shall have free access to the Tower at all times for the purpose of installing and maintaining the said equipment. LESSOR shall furnish LESSEE with necessary means of access for the purpose of ingress and egress to this site and Tower location. It is agreed, however, that only authorized engineers, employees or properly authorized contractors of LESSEE or persons under their direct supervision will be permitted to enter said premises.

30. NON-DISCLOSURE. The Parties agree this Agreement and any information exchanged between the Parties regarding the Agreement are confidential. The Parties agree not to provide copies of this Agreement or any other confidential information to any third party without the prior written consent of the other or as required by law. If a disclosure is required by law, prior to disclosure, the Party shall notify the other Party and cooperate to take lawful steps to resist, narrow, or eliminate the need for that disclosure.

31. MOST FAVORED LESSEE. Intentionally Omitted.

32. MISCELLANEOUS. This Agreement contains all agreements, promises and understandings between the LESSOR and the LESSEE regarding this transaction, and no oral agreement, promises or understandings shall be binding upon either the LESSOR or the LESSEE in any dispute, controversy or proceeding. This Agreement may not be amended or varied except in a writing signed by all Parties. This Agreement shall extend to and bind the heirs, personal representatives, successors and assigns hereto. The failure of either party to insist upon strict performance of any of the terms or conditions of this Agreement or to exercise any of its rights hereunder shall not waive such rights and such party shall have the right to enforce such rights at any time. The performance of this Agreement shall be governed, interpreted, construed and regulated by the laws of the state in which the Premises is located without reference to its choice of law rules. Except as expressly set forth in this Agreement, nothing in this Agreement shall grant, suggest or imply any authority for one Party to use the name, trademarks, service marks or trade names of the other for any purpose whatsoever. LESSOR agrees to execute a Memorandum of this Agreement, which LESSEE may record with the appropriate recording officer. The provisions of the Agreement relating to indemnification from one Party to the other Party shall survive any termination or expiration of this Agreement.

[Signature page follows. The remainder of this page is intentionally blank.]

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Location Code: 714526
Atty: Coots Henke & Wheeler, P.C.: Daniel E. Coots

IN WITNESS WHEREOF, the Parties hereto have set their hands and affixed their respective seals the day and year first above written.

Velsey Aod

WITNESS

Velsey Aod

WITNESS

Velsey Aod

WITNESS

Velsey Aod

WITNESS

[Signature]

WITNESS

LESSOR:

[Signature]

Michael A. Sexton

Date: 10-21-22

[Signature]

Sheila F. Sexton

Date: 10-21-22

[Signature]

Matthew A. Sexton

Date: 10-21-22

[Signature]

Aimee M. Sexton

Date: 10-21-22

LESSEE:

CELLCO PARTNERSHIP d/b/a Verizon Wireless

By: [Signature]

Its: Ed Maher
Director - Network Field Engineering

Date: 11/9/22

VzW Site Name: CK Cumberland Parkway
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Atty Coots Henke & Wheeler, P.C.: Daniel E Coots

EXHIBIT "A"

DESCRIPTION OF PROPERTY

Site Name: **CK CUMBERLAND PARKWAY**
Location Code: **714526**
Site Location: **East Fork Road, Edmonton, KT 42129**

LESSEE'S PREMISES

All that Tract or Parcel of Land lying and being in Metcalfe County, Kentucky, and being the property of Michael A. Sexton, Sheila F. Sexton, Matthew A. Sexton & Aimee M. Sexton, of record in Deed Book 172, Page 443, Office of the Metcalfe County Clerk, and being more particularly described as follows:

COMMENCE at a one-half inch Capped Iron Rod located at the Southeast corner of the aforesaid property;
Thence along a Chord Lie Line having a bearing of N 80°12'31" W, a distance of 240.42 feet to the POINT OF BEGINNING;

Thence N 86°30'27" W, a distance of 100.00 feet;
Thence N 03°29'33" E, a distance of 100.00 feet;
Thence S 86°30'27" E, a distance of 100.00 feet;
Thence S 03°29'33" 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 30' ACCESS & UTILITY EASEMENT

All that Tract or Parcel of Land lying and being in Metcalfe County, Kentucky, and being a portion of the property of Michael A. Sexton, Sheila F. Sexton, Matthew A. Sexton & Aimee M. Sexton, of record in Deed Book 158, Page 747, Office of the Metcalfe County Clerk, and being more particularly described as follows:

COMMENCE at a one-half inch Capped Iron Rod located at the Southeast corner of the aforesaid property;
Thence along a Chord Lie Line having a bearing of N 80°12'31" W, a distance of 240.42 feet to the POINT OF BEGINNING;

COMMENCE at a one-half inch Capped Iron Rod located on the Northern Right-of-Way of East Fork Road, said Iron Rod being the Southeast corner of the aforementioned property; Thence N 80°12'31" W, a distance of 240.42 feet;
Thence N 86°30'27" W, a distance of 100.00 feet to the POINT OF BEGINNING;

Thence N 03°29'33" E, a distance of 100.00 feet;
Thence S 86°30'27" E, a distance of 30.00 feet;
Thence S 03°29'33" W, a distance of 35.00 feet;
Thence S 86°30'27" E, a distance of 20.92 feet;
Thence with a curve to the right with an arc length of 102.10 feet, with a radius of 65.00 feet, with a chord bearing of S 41°30'27" E, with a chord length of 91.92 feet;
Thence S 03°29'33" W, a distance of 26.37 feet to the Northern Right-of Way Line of East Fork Road;
Thence N 86°30'27" W, along said Right-of Way Line, a distance of 30.00 feet;
Thence N 03°29'33" E, leaving said Right-of Way Line, a distance of 26.37 feet;
Thence with a curve to the left with an arc length of 54.98 feet, with a radius of 35.00 feet, with a chord bearing of N 41°30'27" W, with a chord length of 49.50 feet;

Thence N 86°30'27" W, a distance of 20.92 feet;
Thence S 03°29'33" W, a distance of 35.00 feet;
Thence N 86°30'27" W, a distance of 30.00 feet to the POINT OF BEGINNING.

Said Easement contains 0.16 Acres (6,775 Square Feet), more or less.

LESSEE'S 20' UTILITY EASEMENT

All that Tract or Parcel of Land lying and being in Metcalfe County, Kentucky, and being a portion of the property of Michael A. Sexton, Sheila F. Sexton, Matthew A. Sexton & Aimee M. Sexton, of record in Deed Book 158, Page 747, Office of the Metcalfe County Clerk, and being more particularly described as follows:

COMMENCE at a one-half inch Capped Iron Rod located at the Southeast corner of the aforesaid property;

Thence along a Chord Lie Line having a bearing of N 80°12'31" W, a distance of 240.42 feet;

Thence N 86°30'27" W, a distance of 100.00 feet to the POINT OF BEGINNING;

Thence S 78°06'15" W, a distance of 70.99 feet;

Thence N 11°53'45" W, a distance of 30.00 feet;

Thence N 78°06'15" E, a distance of 79.24 feet;

Thence S 03°29'33" W, a distance of 31.12 feet to the POINT OF BEGINNING.

Said Easement contains 0.05 Acres (2,253 Square Feet), more or less.

VzW Site Name CK Cumberland Parkway
Location Code 714526
Atty: Coots Henke & Wheeler, P C Daniel E Coots

EXHIBIT "B"

SITE PLAN OF THE PREMISES AND DESCRIPTION OF TOWER EQUIPMENT

PROPERTY INFORMATION

PARENT TAX PARCEL

A. TAX PARCEL 075-00-008 06
 Ownership per Tax Assessor:
 MICHAEL A. SEXTON, SHEILA F. SEXTON
 MATTHEW A. SEXTON, AIMEE M. SEXTON
 (No Title Examination available)

Record Land Descriptions

(A1) Land underlying Lessee's Site described in Deed Book 158, Page 747
 (A2) Remainder of 'Tax Parcel' Not addressed herein

ADJOINING TAX PARCELS

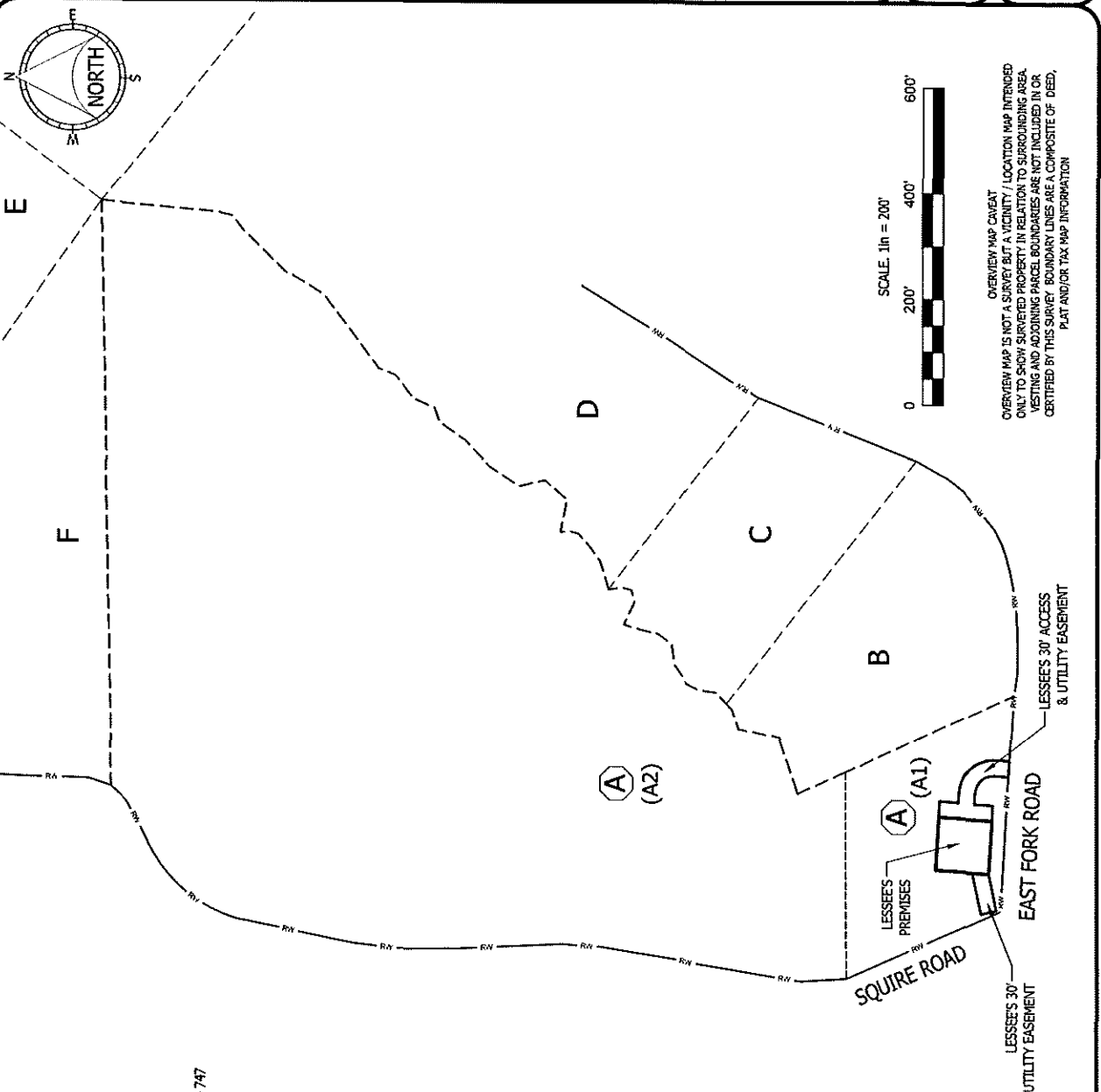
B PATRICK H. HERBALD
 TAX PARCEL 075-00-008 07
 DEED BOOK 161, PAGE 148
 PLAT BOOK A, PAGE 1684A

C. BILLY ALLAN SEXTON ...
 TAX PARCEL 075-00-008.05
 DEED BOOK 153, PAGE 540
 PLAT BOOK A, PAGE 1684A

D DELISA ANN SEXTON
 TAX PARCEL 075-00-008 03
 DEED BOOK 138, PAGE 656

E MICHAEL SEXTON
 TAX PARCEL 074-00-007 04
 DEED BOOK 153, PAGE 667

F DONALD KEVIN LESSENBERRY
 TAX PARCEL 074-00-004.00
 DEED BOOK 99, PAGE 418



THE LAND CONSULTANTS LLC
 5419 Highway #41
 Jasper, TN 37347
 (423) 304-6722

PREPARED FOR
verizon
 VERIZON WIRELESS

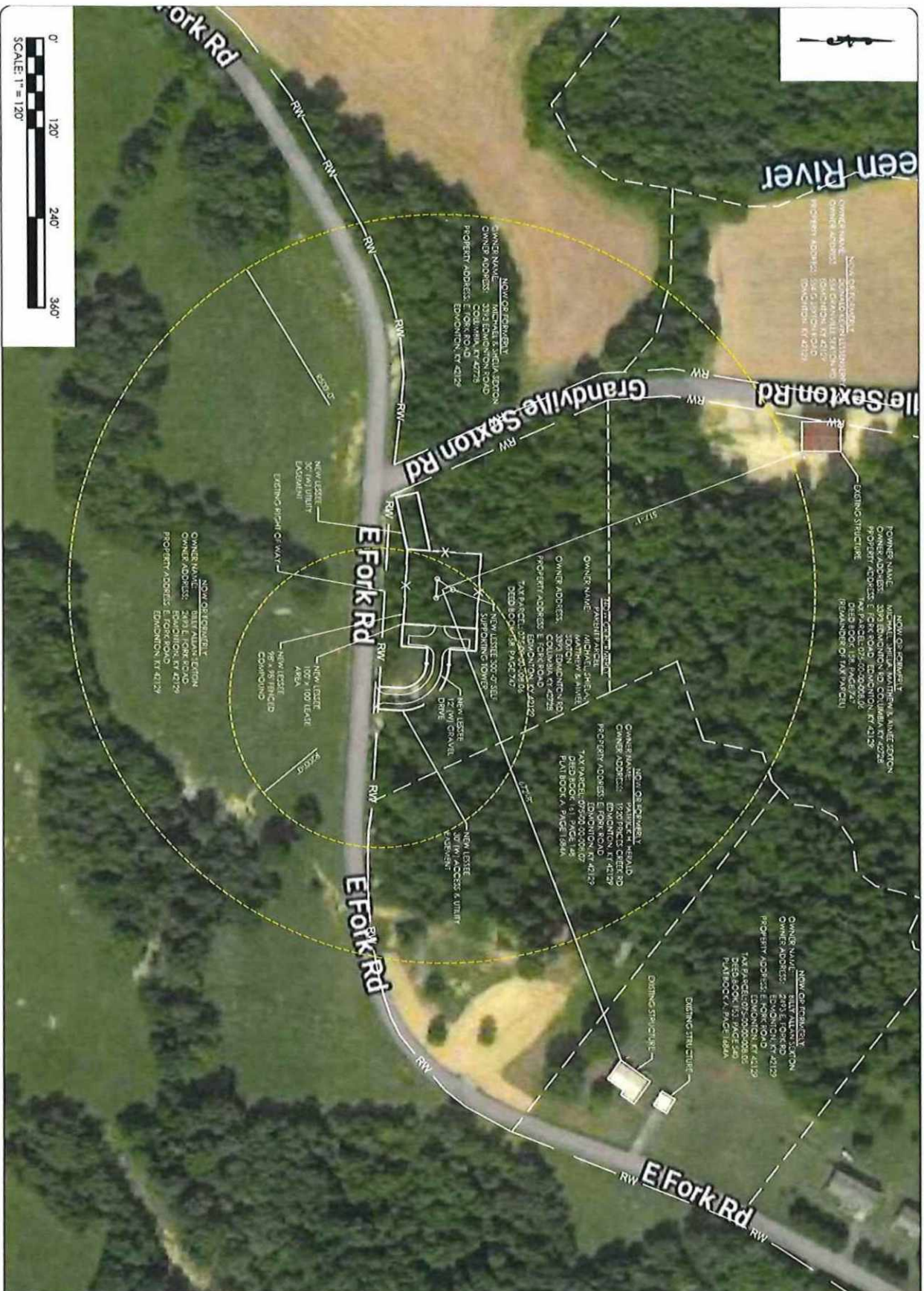
(Not a Boundary Survey of Private Lands. Not intended for fee simple Land Transfer)
SITE SURVEY
 CK CUMBERLAND PARKWAY
 Location Code: 714526
 East Fork Road, Edmonton, KY 42129
 Metcalfe County, Kentucky

OVERVIEW MAP

DWG# 22134
 ISSUE # 0
 ISSUE DATE 05-24-2022
 SEE SHEET #1

SHEET
2
 OF
 4

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



TECCAD
 Wireless
 1961 NORTHPOINT BLVD.
 NICHOLSON, TN 37343
 PHONE: 615-261-5997
 FAX: 615-261-5997

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DRAWN BY: TDD
 CHECKED BY: SEH

REVISIONS	
NO.	DESCRIPTION
0	04/27/22 100 20mxd.dwg
1	DATE BY



RITE ID: 16877938

SITE NAME: CK GIMBELAND PARKWAY

SITE # / LOCATION CODE: 714522

SITE ADDRESS: EAST FORK ROAD EDMONTON, KY 42129

SITE TYPE: RAWLAND

SHEET TITLE: ALL SITE PLAN'S WITH ASBL OVERLAY

DRAWING # : Z2

REVISION: 0



THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS THE PROPERTY OF TELECAD WIRELESS. IT IS TO BE USED ONLY FOR THE PROJECT AND FOR THE CLIENT TO WHICH IT RELATES. ANY REUSE OR DISTRIBUTION OF THIS INFORMATION IS STRICTLY PROHIBITED.

DRAWN BY	TDD
CHECKED BY	SEH

NO.	DATE	BY	DESCRIPTION
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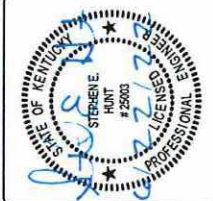
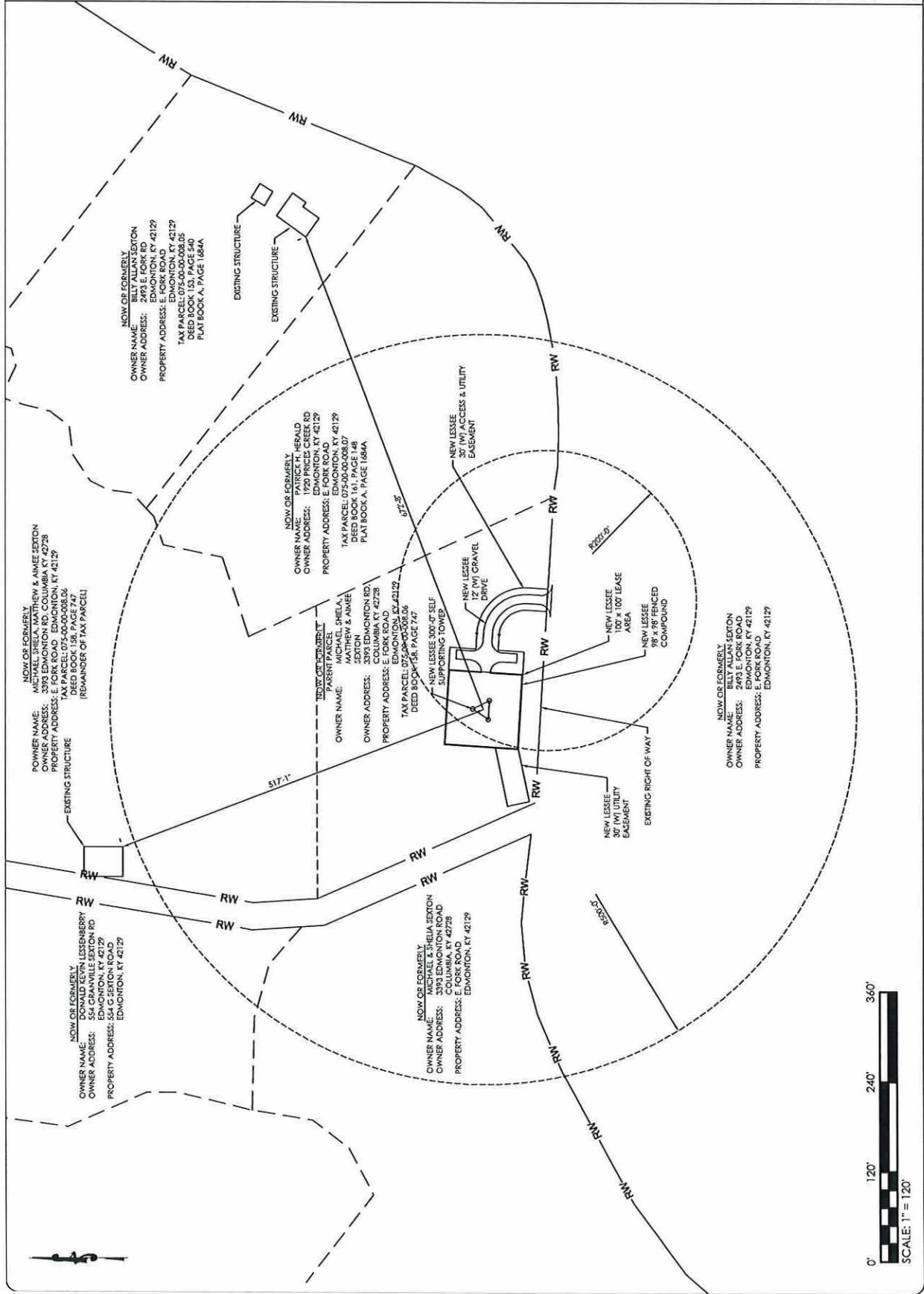


PLATE NO:	1.6877938
SITE NAME:	CK CUMBERLAND PARKWAY
SITE # / LOCATION CODE:	714528
SITE ADDRESS:	CK CUMBERLAND PARKWAY EDMONTON, KY 42129
SITE TYPE:	RAWLAND
SHEET TITLE:	OVERALL SITE LAYOUT WITHOUT AERIAL OVERLAY
DRAWING #:	Z3
REVISION:	0



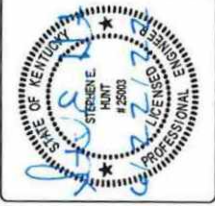


1961 NORFOLK BLVD.
SUITE 130
HIXON, TN 37243
PH: 423-840-7500
FAX: 423-840-7509

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DRAWN BY	TDD
CHECKED BY	SRH

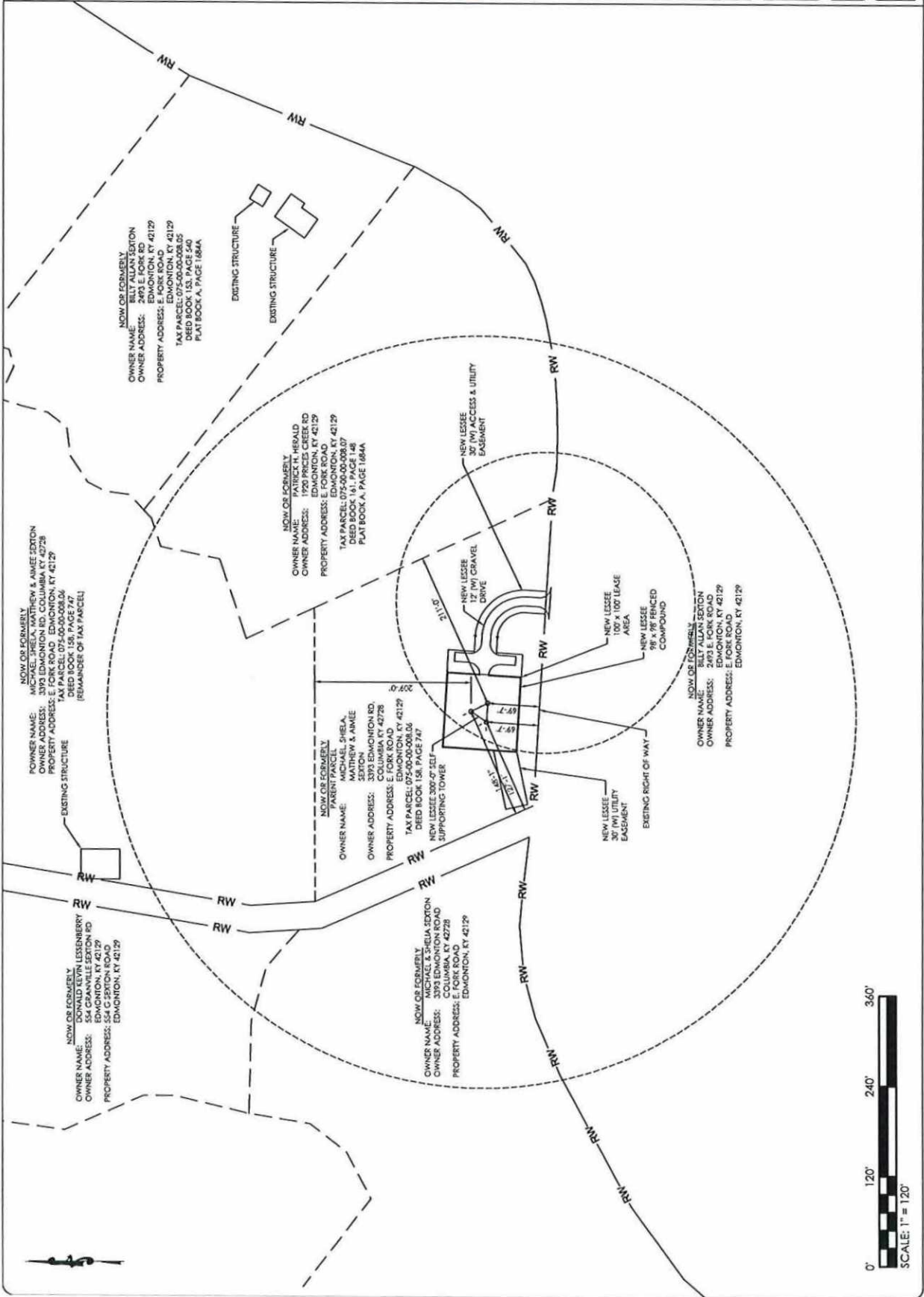
REVISIONS		
NO.	DATE	DESCRIPTION
0	04/27/22	TDD
1		DATE BY



PLAT ID: 1687938
SITE NAME: C/O CLIMBERLAND PARKWAY
SITE # / LOCATION CODE: 714524

SITE ADDRESS: EAST FORK ROAD EDMONTON, KY 42129
SITE TYPE: RAWLAND
SHEET TITLE: TOWER LOCATION PLAN

DRAWING #: Z4
REVISION: 0

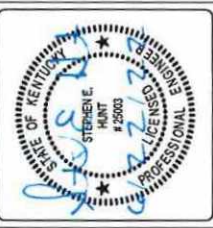


TelecAD Wireless
 1941 NORTHPOINT BLVD.
 SUITE 130
 HUNTSVILLE, TN 37403
 PH: 423-843-9500
 FAX: 423-843-9509

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS FOR THE CLIENT'S USE ONLY AND IS NOT TO BE REPRODUCED OR DISCLOSED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF THE CLIENT'S ATTORNEY. STRICTLY PROHIBITED.

DRAWN BY	TDD
CHECKED BY	SEH

REVISIONS		
#	DATE	DESCRIPTION
0	04/27/22	TODD

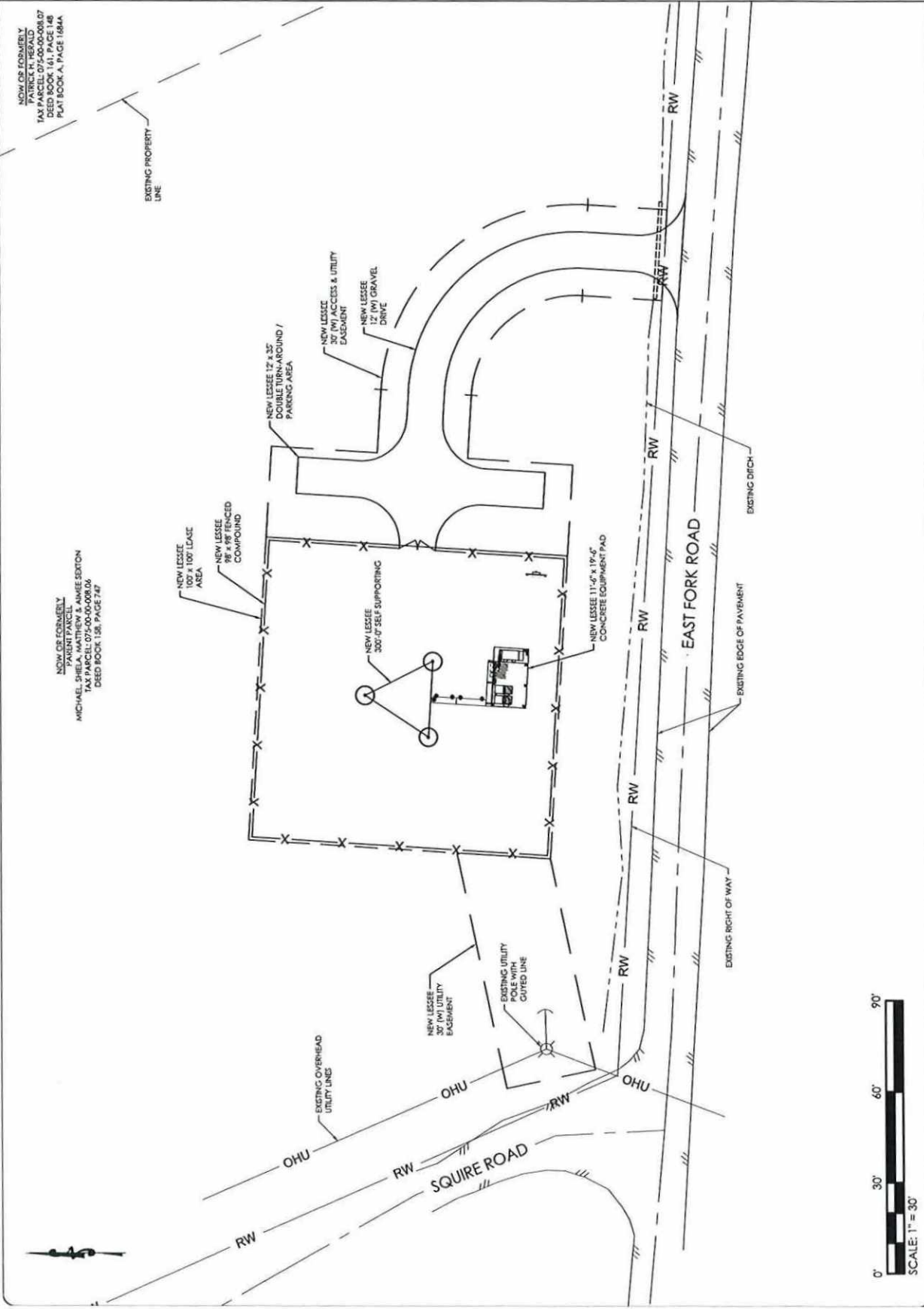


FUZE ID:	1627928
SITE NAME:	CC CHAMBERLAND PARKWAY
SITE # / LOCATION CODE:	714526

SITE ADDRESS:	EAST FORK ROAD EDMONTON, KY 42129
SITE TYPE:	RAWLAND

SHEET TITLE:	SITE PLAN
--------------	-----------

DRAWING #:	Z5
REVISION:	0



NOW OR FORMERLY
 PATRICK M. HESALD
 TAX PARCEL: 075-00-00-008.07
 DEED BOOK 141, PAGE 148
 PLAT BOOK A, PAGE 1684A

NOW OR FORMERLY
 MICHAEL, SHEILA, MATTHEW & AMEE SEXTON
 TAX PARCEL: 075-00-00-008.06
 DEED BOOK 138, PAGE 747



THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROVIDED AS AN INFORMATIONAL SERVICE ONLY. IT IS THE RESPONSIBILITY OF THE CLIENT TO VERIFY THE ACCURACY OF ANY INFORMATION WHICH RELATES TO THE CLIENT IS STRICTLY PROHIBITED.

DRAWN BY	TDD
CHECKED BY	SEH

REVISIONS		
#	DATE	DESCRIPTION
0	04/27/22	TDD ZONING GUIDE

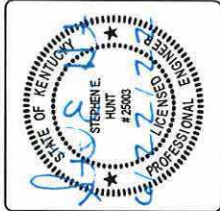
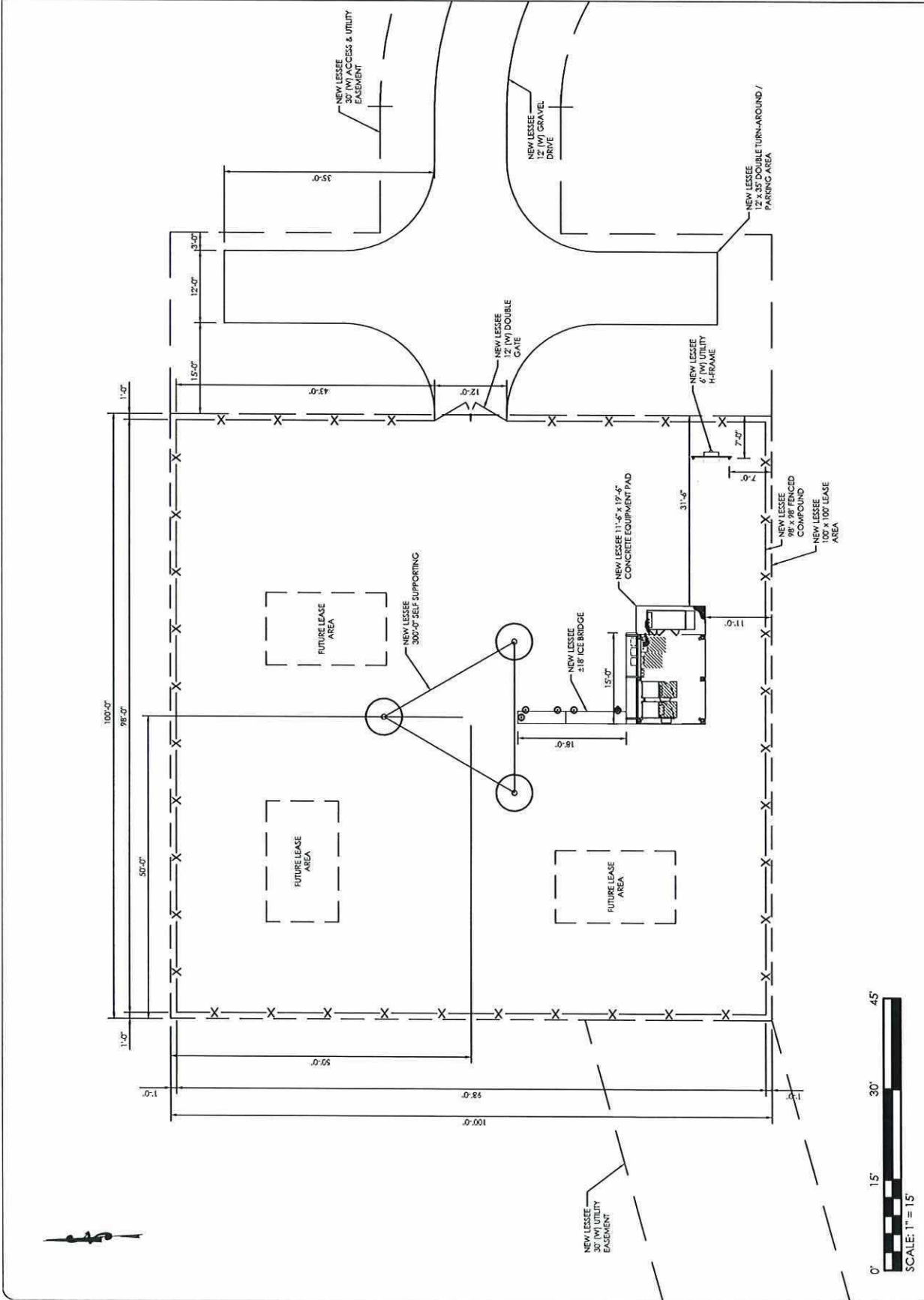


PLATE ID :	16877938
SITE NAME :	CK CUMBERLAND PARKWAY
SITE # / LOCATION CODE :	714526

SITE ADDRESS :	12750 CUMBERLAND PARKWAY EDMONTON, KY 40129
SITE TYPE :	RAVINELAND

SHEET TITLE :	DIMENSION SITE PLAN
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DRAWING # :	Z7
REVISION :	0



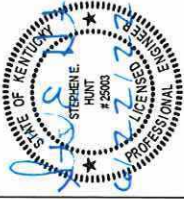


1941 NORRHOPE BLVD.
 SUITE 100
 HIXSON, TN 37343
 PH: 423-843-9500
 FAX: 423-843-9599

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DRAWN BY	TDD
CHECKED BY	SEH

REVISIONS		
#	DATE	DESCRIPTION
0	06/27/22	ISSUE FOR BIDDING

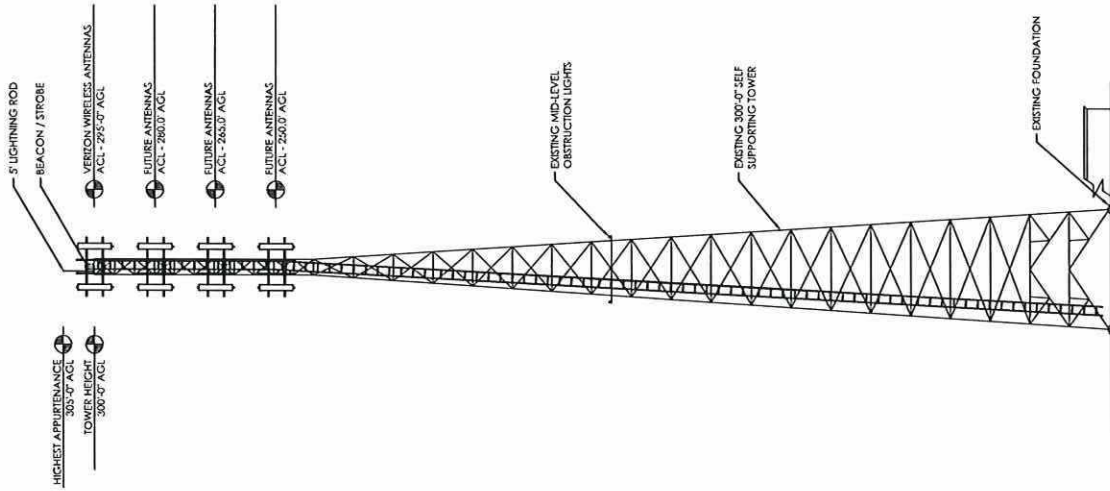


RULE ID:	14877938
SITE NAME:	CR CHIMBERLAND PARKWAY
SITE # / LOCATION CODE:	714526

SITE ADDRESS:	EAST FORK ROAD EDMONTON, KY 40129
SITE TYPE:	RAWLAND

SHEET TITLE:	TOWER ELEVATION
--------------	-----------------

DRAWING #:	Z8
REVISION:	0



TOWER ELEVATION
 NTS

VzW Site Name: CK Cumberland Parkway
Location Code: 714526
Atty. Coots Henke & Wheeler, P.C.: Daniel E. Coots

EXHIBIT "C"

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, DIT 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.

SURVEYOR'S CERTIFICATION

To: Verizon Wireless:
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 P.L.S.
License No. 4246

PROPOSED TOWER LOCATION DATA

Latitude: NORTH: 37.031217° 37° 01' 52.38"
Longitude: WEST: 85.517523° 85° 31' 03.08"
Ground Elev: 770.6 FEET AMSL (NAVD88)
Benchmark: DH7217 KYCP

PARENT TAX PARCEL

MICHAEL A. SEXTON, SHEILA F. SEXTON
MATTHEW A. SEXTON, AIMEE M. SEXTON
TAX PARCEL: 075-00-00-008.08

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: 05-11-2022

Method: RTK (CORS); Confidence Level: 95%
Positional Accuracy: HZ ± 0.10"
EPOCH 2010.0000

FLOOD DATA

FEMA FLOOD MAP PANEL: 21169C0125C, Effective Date: 05-03-2010
Surveyed Area appears to lie within: ZONE X (Areas of Minimal Flood Hazard)

TITLE EXAMINATION:

See Sheet #5



LEGEND

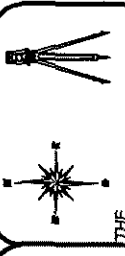
- IRON ROD FOUND (AS NOTED)
- UTILITY POLE
- ↓ GUY ANCHOR
- * PROPOSED TOWER CENTER
- ◆ SITE BENCHMARK
- R/W RIGHT-OF-WAY
- C/L CENTER LINE
- AU ACCESS & UTILITY EASEMENT
- ESMT EASEMENT
- P.O.C. POINT OF COMMENCEMENT
- P.O.B. POINT OF BEGINNING
- Sq Ft SQUARE FEET
- PAVEMENT EDGE
- ROAD CENTERLINE
- OVERHEAD UTILITY LINES
- DITCH
- TREE LINE
- PUBLIC R/W
- TAX PARCEL BOUNDARY
- LESSEES PREMISES
- LESSEES EASEMENTS

(Not a Boundary Survey of Parent Lands. Not Intended for Fee Simple Land Transfer)
SITE SURVEY
CK CUMBERLAND PARKWAY
Location Code: 714526
East Fork Road, Edmonson, KY 42129
Metcalfe County, Kentucky

COVER SHEET

#	DETAILS	DATE	DRAWN	APP
0	Original Survey Issue	05-24-2022	NB	TLS
1	Title Examination	06-02-2022	NB	TLS
2	Update Parcel and Title Information	09-07-2022	NB	TLS

DWG#: 22134
ISSUE #: 2
ISSUE DATE: 09-07-2022
SEE SHEET #1
SHEET 1 OF 5


THE LAND CONSULTANTS LLC
 5449 Highway #41
 Jasper, TN 37247
 (423) 304-6722

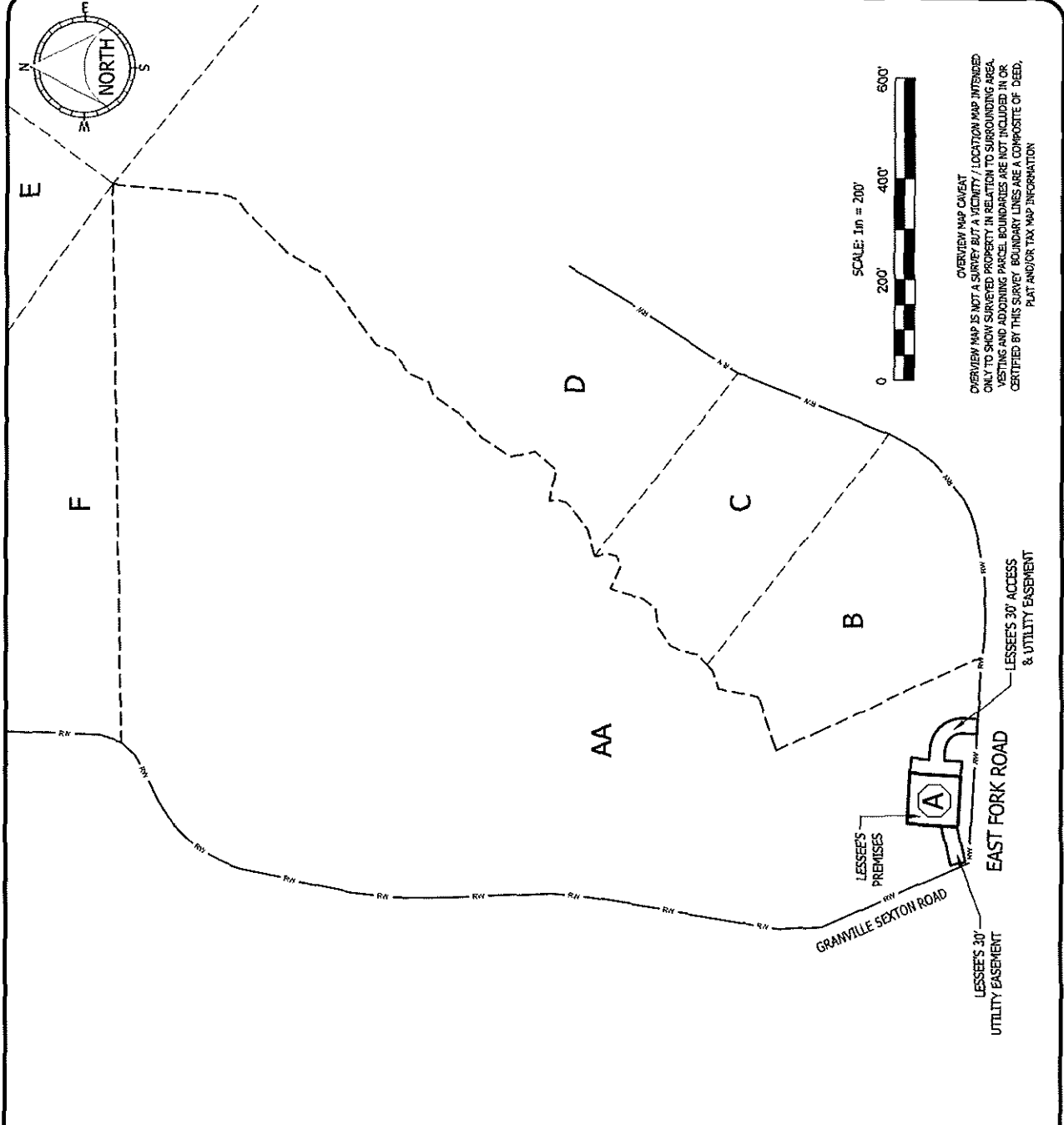
PREPARED FOR

VERIZON WIRELESS

(Not a Boundary Survey of Parent Lands. Not intended for fee simple Land Transfer)
SITE SURVEY
CK CUMBERLAND PARKWAY
 Location Code: 714526
 East Fork Road, Edmonton, KY 42129
 Metcalfe County, Kentucky

OVERVIEW MAP

SHEET
2
 OF
5
 DWG# 22134
 ISSUE # 2
 ISSUE DATE: 09-07-2022
 SEE SHEET # 1



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.

PROPERTY INFORMATION

PARENT TAX PARCEL
 A. MICHAEL A. SEXTON, SHIELA F. SEXTON
 MATTHEW A. SEXTON, AIMEE M. SEXTON
 TAX PARCEL. 075-00-00-008 08
 DEED BOOK 172, PAGE 443

EASEMENT TAX PARCEL
 AA MICHAEL A. SEXTON, SHIELA F. SEXTON
 MATTHEW A. SEXTON, AIMEE M. SEXTON
 TAX PARCEL. 075-00-00-008 06
 DEED BOOK 158, PAGE 747



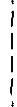


ADJOINING TAX PARCELS
 B PATRICK H. HERALD
 TAX PARCEL. 075-00-00-008 07
 DEED BOOK 161, PAGE 148
 PLAT BOOK A, PAGE 1684A

C BILLY ALLAN SEXTON
 TAX PARCEL. 075-00-00-008 05
 DEED BOOK 153, PAGE 540
 PLAT BOOK A, PAGE 1684A

D DELISA ANN SEXTON
 TAX PARCEL. 075-00-00-008 03
 DEED BOOK 138, PAGE 656

E MICHAEL SEXTON
 TAX PARCEL. 074-00-00-007 04
 DEED BOOK 133, PAGE 667

F DONALD KEVIN LESSENBERRY
 TAX PARCEL. 074-00-00-004 00
 DEED BOOK 99, PAGE 418

-  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

verizon
 VERIZON WIRELESS

(Not a Boundary Survey of Private Lands, Not Intended for Fee Simple Land Transfer)

SITE SURVEY
CK CUMBERLAND PARKWAY
 Location Code: 714526
 East Fork Road, Edmonton, KY 42129
 Metcalfe County, Kentucky

SITE SURVEY

DWG#: 22134
 ISSUE #: 2
 ISSUE DATE: 09-07-2022
 SEE SHEET #1

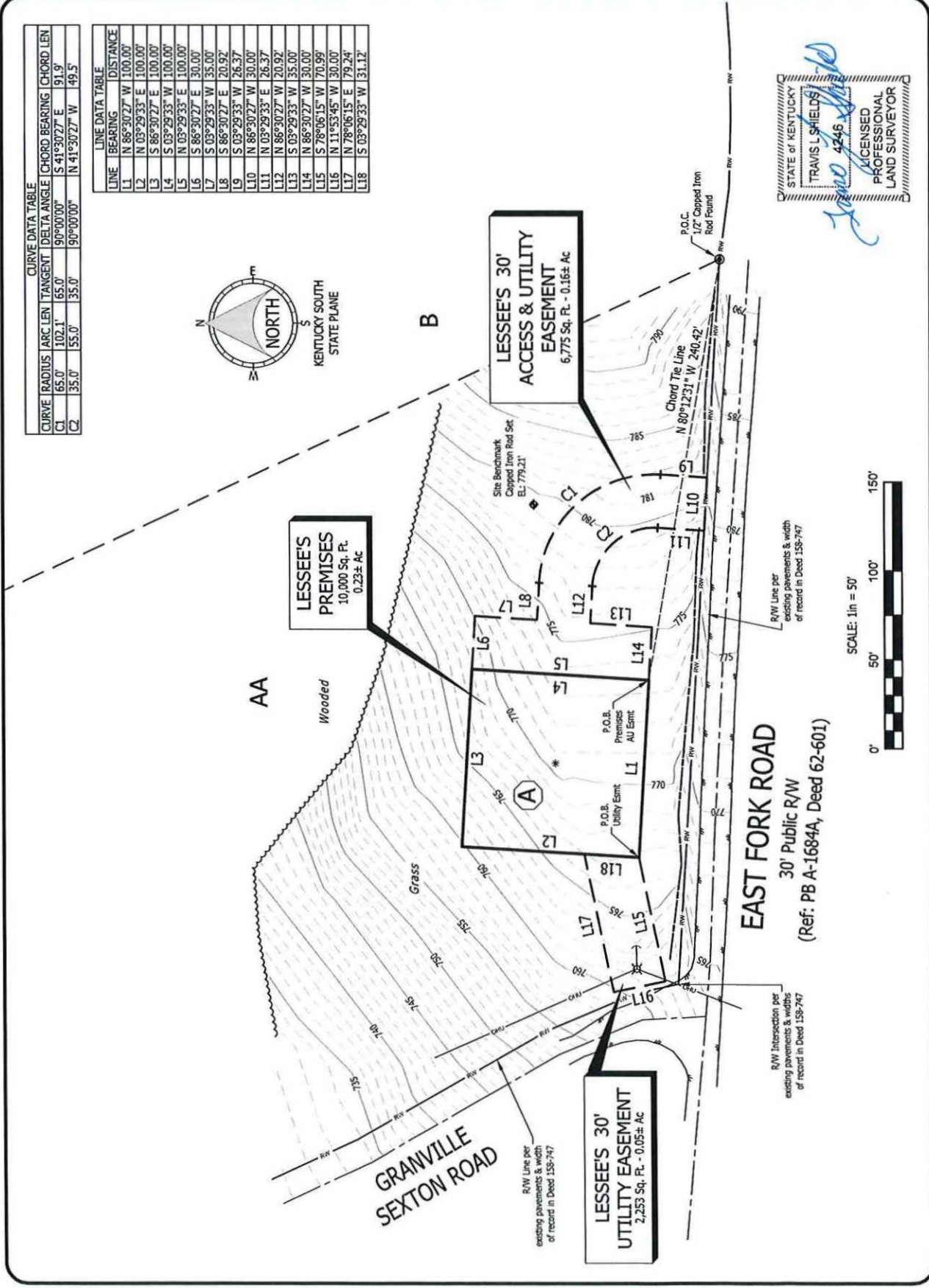
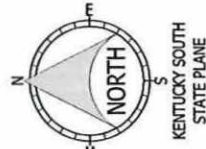
SHEET **3** OF **5**

CURVE DATA TABLE

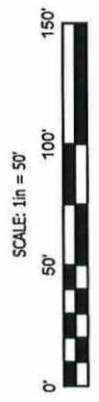
CURVE	RADIUS	ARC LEN	TANGENT	DELTA ANGLE	CHORD BEARING	CHORD LEN
C1	65.0'	102.1'	65.0'	90°00'00"	S 41°30'27" E	91.9'
C2	35.0'	55.0'	35.0'	90°00'00"	N 41°30'27" W	49.5'

LINE DATA TABLE

LINE	BEARING	DISTANCE
L1	N 86°30'27" W	100.00'
L2	N 03°29'33" E	100.00'
L3	S 86°30'27" E	100.00'
L4	S 03°29'33" W	100.00'
L5	N 03°29'33" E	100.00'
L6	S 86°30'27" E	30.00'
L7	S 03°29'33" W	35.00'
L8	S 86°30'27" E	20.92'
L9	S 03°29'33" W	26.37'
L10	N 86°30'27" W	30.00'
L11	N 03°29'33" E	26.37'
L12	N 86°30'27" W	20.92'
L13	S 03°29'33" W	35.00'
L14	N 86°30'27" W	30.00'
L15	S 78°06'15" W	70.99'
L16	N 11°53'45" W	30.00'
L17	N 78°06'15" E	79.24'
L18	S 03°29'33" W	31.12'



STATE OF KENTUCKY
 TRAVIS L. SHIELDS
 LICENSED PROFESSIONAL LAND SURVEYOR
 4246



EAST FORK ROAD
 30' Public R/W
 (Ref: PB A-1684A, Deed 62-601)

GRANVILLE SEXTON ROAD

R/W Line per existing pavements & width of record in Deed 158-747

R/W Intersection per existing pavements & width of record in Deed 158-747

R/W Line per existing pavements & width of record in Deed 158-747

LESSEE'S 30' ACCESS & UTILITY EASEMENT
 6,775 Sq. Ft. - 0.16± Ac

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

LESSEE'S 30' UTILITY EASEMENT
 2,253 Sq. Ft. - 0.05± Ac

LESSEE'S PREMISES

All that Tract or Parcel of Land lying and being in Metcalfe County, Kentucky, and being the property of Michael A. Sexton, Sheila F. Sexton, Matthew A. Sexton & Aimee M. Sexton, of record in Deed Book 172, Page 443, Office of the Metcalfe County Clerk, and being more particularly described as follows:

COMMENCE at a one-half inch Capped Iron Rod located at the Southeast corner of the aforesaid property;
Thence along a Chord Lie Line having a bearing of N 80°12'31" W, a distance of 240.42 feet to the POINT OF BEGINNING;

Thence N 86°30'27" W, a distance of 100.00 feet;
Thence N 03°29'33" E, a distance of 100.00 feet;
Thence S 86°30'27" E, a distance of 100.00 feet;
Thence S 03°29'33" 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 30' ACCESS & UTILITY EASEMENT

All that Tract or Parcel of Land lying and being in Metcalfe County, Kentucky, and being a portion of the property of Michael A. Sexton, Sheila F. Sexton, Matthew A. Sexton & Aimee M. Sexton, of record in Deed Book 158, Page 747, Office of the Metcalfe County Clerk, and being more particularly described as follows:

COMMENCE at a one-half inch Capped Iron Rod located at the Southeast corner of the aforesaid property;
Thence along a Chord Lie Line having a bearing of N 80°12'31" W, a distance of 240.42 feet to the POINT OF BEGINNING;

COMMENCE at a one-half inch Capped Iron Rod located on the Northern Right-of-Way of East Fork Road, said Iron Rod being the Southeast corner of the aforementioned property; Thence N 80°12'31" W, a distance of 240.42 feet;
Thence N 86°30'27" W, a distance of 100.00 feet to the POINT OF BEGINNING;

Thence N 03°29'33" E, a distance of 100.00 feet;
Thence S 86°30'27" E, a distance of 30.00 feet;
Thence S 03°29'33" W, a distance of 35.00 feet;
Thence S 86°30'27" E, a distance of 20.92 feet;
Thence with a curve to the right with an arc length of 102.10 feet, with a radius of 65.00 feet, with a chord bearing of S 41°30'27" E, with a chord length of 91.92 feet;
Thence S 03°29'33" W, a distance of 26.37 feet to the Northern Right-of-Way Line of East Fork Road;
Thence N 86°30'27" W, along said Right-of-Way Line, a distance of 30.00 feet;
Thence N 03°29'33" E, leaving said Right-of-Way Line, a distance of 26.37 feet;
Thence with a curve to the left with an arc length of 54.98 feet, with a radius of 35.00 feet, with a chord bearing of N 41°30'27" W, with a chord length of 49.50 feet;
Thence N 86°30'27" W, a distance of 20.92 feet;
Thence S 03°29'33" W, a distance of 35.00 feet;
Thence N 86°30'27" W, a distance of 30.00 feet to the POINT OF BEGINNING.

Said Easement contains 0.16 Acres (6,775 Square Feet), more or less.

LESSEE'S 30' UTILITY EASEMENT

All that Tract or Parcel of Land lying and being in Metcalfe County, Kentucky, and being a portion of the property of Michael A. Sexton, Sheila F. Sexton, Matthew A. Sexton & Aimee M. Sexton, of record in Deed Book 158, Page 747, Office of the Metcalfe County Clerk, and being more particularly described as follows:

COMMENCE at a one-half inch Capped Iron Rod located at the Southeast corner of the aforesaid property;
Thence along a Chord Lie Line having a bearing of N 80°12'31" W, a distance of 240.42 feet;
Thence N 86°30'27" W, a distance of 100.00 feet to the POINT OF BEGINNING;

Thence S 78°06'15" W, a distance of 70.99 feet;
Thence N 11°53'45" W, a distance of 30.00 feet;
Thence N 78°06'15" E, a distance of 79.24 feet;
Thence S 03°29'33" W, a distance of 31.12 feet to the POINT OF BEGINNING.

Said Easement contains 0.05 Acres (2,253 Square Feet), more or less.



THE LAND CONSULTANTS LLC
5449 Highway #41
Jasper, TN 37247
(423) 304-6722

PREPARED FOR



VERIZON WIRELESS

(Not a Boundary Survey of Private Lands. Not Intended for Fee Simple Land Transfer)
SITE SURVEY
CK CUMBERLAND PARKWAY
Location Code: 714526
East Fork Road, Edmonton, KY 42129
Metcalfe County, Kentucky

DESCRIPTIONS

DWG#: 22134
ISSUE #: 2
ISSUE DATE: 09-07-2022
SEE SHEET #1

SHEET 4 OF 5



TITLE EXAMINATION PARENT TAX PARCEL

(Surveyor's treatment of Title Examination Items is limited to the scope described in ALTA/NAPS 2016 requirements. Section 6 C ii and is limited to determination of the location [within subject Tax Parcel(s)] described by Title Items. Items are mapped hereon only when adequately described of record and are within Survey Area. "Blanket" denotes items applicable to the entire Parcel (not subject to separate mapping). Surveyor may note where ambiguous or unclear descriptions might warrant a review by Title Attorney to establish "intent" or other matters which are not addressed by Survey.

Reference Report of Title prepared by Fidelity National Title Insurance Company, Order No. 37130727 Issue Date August 4, 2022

Item 1, 2 Taxes not addressed hereon

Item 3 Right-of-Way Deed to Metcalfe County Deed 62-60) Conveyance of lands for the Right-of-Way of East Fork Road, also known as East Fork - Adair County Line Road, 30-foot-wide Right-of-Way, R/W line shown hereon per said Deed and Plat as referenced. This land was conveyed from previous owners. Current Parent Tax Parcel and the vesting lands from which current Parent Tax Parcel was created were conveyed exclusive of said R/W (Not located on current Parent Tax Parcel; current Easement Tax Parcel; Lessee's Premises or Easements)

LEGAL DESCRIPTION OF PARENT TAX PARCEL

The current Parent Tax Parcel is the property identical to that described as "LESSEE'S PREMISES" hereon. Said Parcel created by Deed 172-443 Quit Claim Deed having "Michael A. Sexton and Sheila F. Sexton & Matthew A. Sexton and Aimee M. Sexton" as both Grantor and Grantee. Deed 172-443 also includes descriptions of "30 Access & Utility Easement" and "30 Utility Easement" identical to the Lessee's Easements shown hereon. Deed 172-443 does not include any language describing the conditions under which said easements were intended to be conveyed by this instrument. A Title Attorney's opinion shall be sought in this regard.

ADDITIONAL NOTES

Prior to the advent of Deed 172-443 which created Tax Parcel 008 008 (the current Parent Tax Parcel), the survey or was in receipt of a Title Examination issued in respect of those Parent Tax Parcel 008 006. Said Title Examination included the same exception items as covered in the current Title Examination Notes (Above).

The complete description of property originally conveyed to "Michael A. Sexton and Sheila F. Sexton (a 1/2 undivided interest) & Matthew A. Sexton and Aimee M. Sexton" (a 1/2 undivided interest) is required hereon for reference to indicate how the current owners came to acquire title to the lands underlying the Lessee's Premises and Easement. (See "Legal Description of Vesting Lands" right)

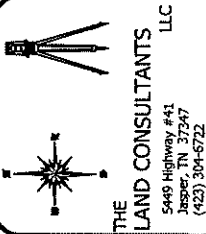
LEGAL DESCRIPTION OF VESTING LANDS

Property located in Metcalfe County, Kentucky

Unless otherwise specified, all monument referred to herein as a set iron pin is a 1/2" x 1/8" rebar with a yellow plastic surveyors cap stamped JD Name, RLS 3014. All bearings stated hereon are referred to the magnetic meridian as observed April 17th 1995

Beginning at a set iron pin at a fallen well casing on the r thence with, the r/w S 42 deg 00 min 02 sec W 21 70 ft., thence S 56 deg 10 min 37 sec W 36 91 ft., thence S 65 deg 22 min 14 sec W 70 36 ft., thence S 58 deg 19 min 29 sec W 42 23 ft., thence S 50 deg 23 min 43 sec W 40 29 ft., thence S 41 deg 58 min 42 sec W 44 92 ft., thence S 33 deg 52 min 56 sec W 43 26 ft., thence S 26 deg 07 min 54 sec W 47 98 ft., thence S 17 deg 45 min 41 sec W 52 02 ft., thence S 11 deg 29 min 56 sec W 156 37 ft., thence S 09 deg 10 min 38 sec W 98 26 ft., to a point on the r thence still with the r thence S 01 deg 00 min 06 sec E 73 62 ft., thence S 02 deg 09 min 19 sec E 101 39 ft., thence S 00 deg 04 min 22 sec E 67 65 ft., thence S 02 deg 39 min 07 sec W 54 42 ft., thence S 05 deg 26 min 38 sec W 58 15 ft., thence S 07 deg 27 min 09 sec W 357 57 ft., thence S 04 deg 31 min 02 sec W 51 70 ft. to a point on the r thence still with the r thence S 16 deg 16 min 01 sec E 60 19 ft., thence S 24 deg 15 min 13 sec E 259 67 ft. to a point (referenced S 72 deg 25 min 13 sec E 50 88 ft. from an existing iron pin with cap #3014, a corner to Sexton) at the intersection of r thence with the r thence with the line of Sexton N 23 deg 42 min 00 sec W (passing a set iron pin at 349 96 ft. and at 434 42 ft.) 449 42 ft. to a point in the center of the branch, thence with the center of the branch and the line of Sexton N 72 deg 20 min 17 sec E 111 34 ft., thence N 12 deg 31 min 32 sec E 80 20 ft., thence N 72 deg 30 min 59 sec E 39 60 ft., thence N 41 deg 54 min 02 sec E 41 31 ft., thence N 13 deg 59 min 14 sec E 56 55 ft., thence N 56 deg 54 min 07 sec E 43 86 ft., thence N 79 deg 17 min 15 sec E 40 51 ft., thence N 35 deg 57 min 37 sec E 46 06 ft., thence N 17 deg 58 min 08 sec E 53 89 ft., thence S 63 deg 57 min 37 sec E 54 49 ft., thence N 44 deg 12 min 51 sec E 20 24 ft., thence N 05 deg 48 min 38 sec E 37 91 ft. to a point in the center of the branch (referenced N 50 deg 28 min 28 sec W 29 22 ft. from an existing iron pin with cap #3014, two feet west of an 8" white oak) a corner to Billy Sexton and Delisa Sexton et al (Deed Book 138, Page 656 - Tract #2), thence with the center of the branch and the line of Delisa Sexton N 74 deg 26 min 11 sec E 60 63 ft. to a point in the center of the branch (referenced N 50 deg 34 min 09 sec W 17 08 ft. from an existing iron pin with cap #3014) a corner to Sexton - Tract #2 and Tract #1, thence with the center of the branch and the line of Sexton - Tract #1 N 48 deg 45 min 40 sec E 70 20 ft., thence N 01 deg 22 min 00 sec E 25 75 ft., thence S 75 deg 11 min 14 sec E 65 56 ft., thence N 38 deg 47 min 04 sec E 59 34 ft., thence N 18 deg 23 min 41 sec W 47 09 ft., thence N 34 deg 53 min 31 sec E 82 96 ft., thence N 48 deg 04 min 30 sec E 60 59 ft., thence N 38 deg 29 min 25 sec E 55 53 ft., thence N 71 deg 40 min 56 sec E 28 14 ft., thence N 20 deg 01 min 06 sec E 59 66 ft., thence N 51 deg 35 min 52 sec E 54 38 ft., thence N 28 deg 25 min 38 sec E 36 43 ft., thence N 53 deg 29 min 20 sec E 178 87 ft., thence N 32 deg 48 min 16 sec E 76 79 ft., thence N 42 deg 15 min 54 sec E 113 69 ft., thence N 61 deg 36 min 21 sec E 32 02 ft., thence N 34 deg 57 min 45 sec E 18 09 ft. to an existing iron pin with cap #3014 in the base of a 12" ash at the forks of the branch, thence N 06 deg 26 min 35 sec E 241 32 ft. to an existing iron pin with cap #3014 at a stone, a corner to Sexton - Tract #1, Terese Argabright et al (Deed Book 302, Page 439 - Adair County) Mike Sexton (Deed Book 153, Page 667 - Metcalfe County) and Donald Lessenberry (Deed Book 99, Page 418 - Metcalfe County) thence with the line of Lessenberry N 89 deg 53 min 25 sec W 1112 42 ft. to the beginning, containing 31.57 Acres more or less. This property is subject to any existing r/w's and easements.

AND BEING the same property conveyed to Michael A. Sexton and Sheila F. Sexton a one-half (1/2) undivided interest, and Matthew A. Sexton and Aimee M. Sexton, a one-half (1/2) undivided interest from Billy Allan Sexton and Mary Liva Sexton by Deed dated March 17, 2017 and recorded March 21, 2017 in Deed Book 158 Page 747.



5449 Highway #41
Jasper, TN 37247
(423) 304-6722



(Not a Boundary Survey of Private Lands. Not intended for fee simple Land Transfer)
CK CUMBERLAND PARKWAY
SITE SURVEY
Location Code: 714526
East Fork Road, Edmonton, KY 42129
Metcalfe County, Kentucky

TITLE

DWG# 22134
ISSUE # 2
ISSUE DATE 09-07-2022
SEE SHEET #1
SHEET 5 OF 5

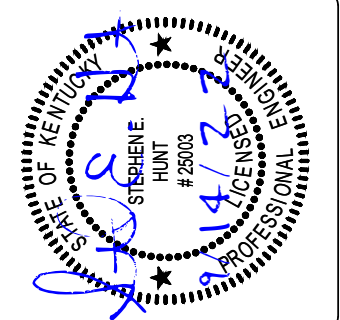


1961 NORTHPOINT BLVD.
SUITE 130
HIXSON, TN 37343
PH : 423-843-9500
FAX : 423-843-9509

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	
#	DESCRIPTION
0	09/14/22 TDD ZONING ISSUE



FUZE ID : 16879938

SITE NAME : CK CUMBERLAND PARKWAY

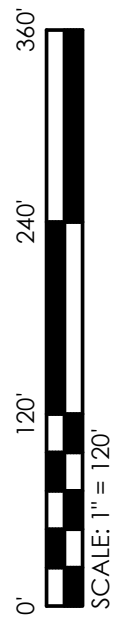
SITE # / LOCATION CODE : 714526

SITE ADDRESS : EAST FORK ROAD EDMONTON, KY 42129

SITE TYPE : RAWLAND

SHEET TITLE : OVERALL SITE LAYOUT WITH AERIAL OVERLAY

DRAWING # :	Z2	REVISION :	0
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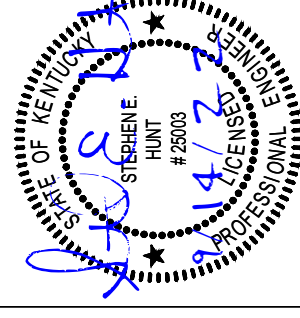
1961 NORTHPOINT BLVD.
SUITE 130
HIXSON, TN 37343
PH : 423-843-9500
FAX : 423-843-9509

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DRAWN BY	TDD
CHECKED BY	SEH

REVISIONS

#	DATE	BY	DESCRIPTION
0	09/14/22	TDD	ZONING ISSUE



FUZE ID : 16879938

SITE NAME : CK CUMBERLAND PARKWAY

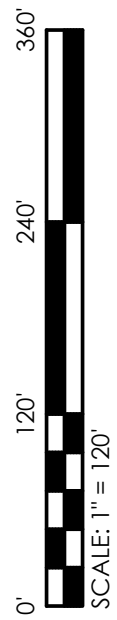
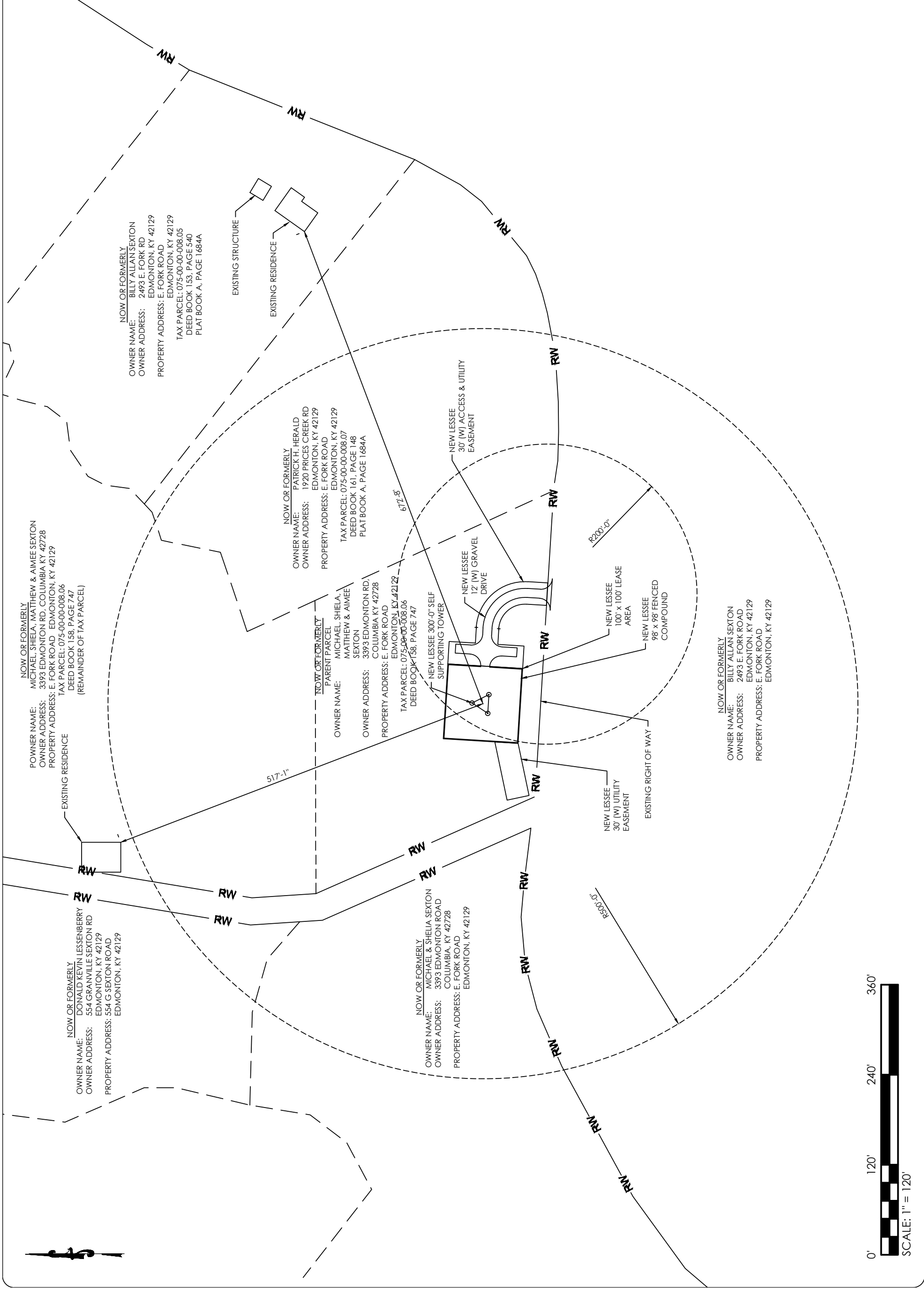
SITE # / LOCATION CODE : 714526

SITE ADDRESS : EAST FORK ROAD
EDMONTON, KY 42129

SITE TYPE : RAWLAND

SHEET TITLE :
OVERALL SITE LAYOUT
WITHOUT AERIAL OVERLAY

DRAWING # :	Z3	REVISION :	0
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Notice List with PVA Screen Shot Verification 8-3-2023

Parcel Number 075-00-00-008.06
 SEXTON MICHAEL A & SHEILA F MATTHEW A & AIMEE M SEXTON
 3393 EDMONTON RD
 COLUMBIA, KY 42728

qPublic.net™ Metcalfe County, KY PVA Elizabeth Williams Search search...

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

Summary

Parcel Number: 075-00-00-008.06
 Account Number: 49383
 Location Address: EAST FORK RD
 Description: 31.34A
 (Note: Not to be used on legal documents)
 Class: FARM (20)
 Tax District: 00-County
 Rate Per Thousand: 10.7382
[View Map](#)

Ownership

SEXTON MICHAEL A & SHEILA F MATTHEW
 A & AIMEE M SEXTON
 3393 EDMONTON RD
 COLUMBIA, KY 42728

Land Characteristics

Tax Roll Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
3/17/2017	\$37,884	158	747	SEXTON MICHAEL A & SHEILA F	SEXTON BILLY ALLAN

Information



Metcalfe County, KY
 P.O. Box 939
 Edmonton, KY 42129

Property Valuation
 Administrator
[Michael Welsh](#)
 270-432-3162

Announcements

[How to use the Beacon site - view Demo Videos](#)

Parcel Number 075-00-00-008.08
 SEXTON MICHAEL A & SHEILA F MATTHEW A & AIMEE M SEXTON
 340 JACKIE NASH RD
 KNOB LICK, KY 42154

qPublic.net™ Metcalfe County, KY PVA Elizabeth Williams Search search...

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

Summary

Parcel Number: 075-00-00-008.08
 Account Number: 50929
 Location Address: EAST FORK ADAIR COUNTY LINE RD
 Description: 2.2A
 (Note: Not to be used on legal documents)
 Class: RESIDENTIAL (10)
 Tax District: 00-County
 Rate Per Thousand: 10.7382
[View Map](#)

Ownership

SEXTON MICHAEL A & SHEILA F MATTHEW
 A & AIMEE M SEXTON
 340 JACKIE NASH RD
 KNOB LICK, KY 42154

Land Characteristics

Tax Roll Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
7/11/2022	\$0	172	443	SEXTON MICHAEL A & SHEILA F	SEXTON MICHAEL A & SHEILA F

Information



Metcalfe County, KY
 P.O. Box 939
 Edmonton, KY 42129

Property Valuation
 Administrator
[Michael Welsh](#)
 270-432-3162

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Parcel Number 075-00-00-008.07
 HERALD PATRICK H
 2405 EAST FORK ADAIR CO LINE RD
 EDMONTON, KY 42129

qPublic.net Metcalfe County, KY PVA Elizabeth Williams Search search_

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

Summary

Parcel Number 075-00-00-008.07
 Account Number 49715
 Location Address 2405 EAST FORK ADAIR CO LINE RD
 Description 4.46A & HSE
 (Note: Not to be used on legal documents)
 Class RESIDENTIAL (10)
 Tax District 00-County
 Rate Per Thousand 10.7382

[View Map](#)

Ownership

HERALD PATRICK H
 2405 EAST FORK ADAIR CO LINE RD
 EDMONTON, KY 42129

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
5/14/2018	\$6,690	161	148	HERALD PATRICK H	SEXTON BILLY ALLAN



Information



Metcalfe County, KY
 P.O. Box 939
 Edmonton, KY 42129

Property Valuation Administrator
[Michael Welsh](#)
 270-432-5162

Announcements

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Parcel Number 075-00-00-008.05
 SEXTON BILLY ALLAN % ALMA JEAN SEXTON
 2493 EAST FORK RD
 EDMONTON, KY 42129

qPublic.net Metcalfe County, KY PVA Elizabeth Williams Search search_

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

Summary

Parcel Number 075-00-00-008.05
 Account Number 47960
 Location Address EAST FORK RD
 Description 43.72A
 (Note: Not to be used on legal documents)
 Class FARM (20)
 Tax District 00-County
 Rate Per Thousand 10.7382

[View Map](#)

Ownership

SEXTON BILLY ALLAN % ALMA JEAN SEXTON
 2493 EAST FORK RD
 EDMONTON, KY 42129

Land Characteristics

Tax Roll Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
1/26/2015	\$1	153	540	SEXTON BILLY ALLAN	SEXTON OLLIS ESTATE & ALMA



Information



Metcalfe County, KY
 P.O. Box 939
 Edmonton, KY 42129

Property Valuation Administrator
[Michael Welsh](#)
 270-432-5162

Announcements

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Parcel Number 075-00-00-008.03
 SEXTON DELISA ANN & ANITA L MCCRACKEN DUANE L SEXTON
 2777 E FORK RD
 EDMONTON, KY 42129

qPublic.net™ Metcalfe County, KY PVA Elizabeth Williams Search search...

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

Summary

Parcel Number 075-00-00-008.03
 Account Number 47958
 Location Address 2777 E FORK RD
 Description 10A & HSE
 (Note: Not to be used on legal documents)
 Class FARM (20)
 Tax District 00-County
 Rate Per Thousand 10.7382

[View Map](#)

Ownership

SEXTON DELISA ANN & ANITA L
 MCCRACKEN DUANE L SEXTON
 2777 E FORK RD
 EDMONTON, KY 42129

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
5/31/2007	\$0	138	656	SEXTON DELISA ANN & ANITA L MCCRACKEN	SEXTON KENNETH & MARJORIE



Information



Metcalfe County, KY
 P.O. Box 939
 Edmonton, KY 42129

Property Valuation
 Administrator
[Michael Welsh](#)
 270-432-3162

Announcements

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Parcel Number 074-00-00-007.04
 SEXTON MICHAEL & SHELIA
 3393 EDMONTON RD
 COLUMBIA, KY 42728

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

Summary

Parcel Number 074-00-00-007.04
 Account Number 47922
 Location Address NEAR ADAIR CO LINE
 Description 23.60A
 (Note: Not to be used on legal documents)
 Class FARM (20)
 Tax District 00-County
 Rate Per Thousand 10.7382

[View Map](#)

Ownership

SEXTON MICHAEL & SHELIA
 3393 EDMONTON RD
 COLUMBIA, KY 42728

Land Characteristics

Tax Roll Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
2/10/2015	\$28,320	153	667	SEXTON MICHAEL & SHELIA	SEXTON BILLY ALLAN & LISA



Information



Metcalfe County, KY
 P.O. Box 939
 Edmonton, KY 42129

Property Valuation
 Administrator
[Michael Welsh](#)
 270-432-3162

Announcements

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Parcel Number 074-00-00-004.00
 LESSENBERRY DONALD K & BRENDA J
 554 GRANVILLE SEXTON RD
 EDMONTON, KY 42129

qPublic.net Metcalfe County, KY PVA Elizabeth Williams Search search...

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

Summary

Parcel Number 074-00-00-004.00
 Account Number 47915
 Location Address 554 G SEXTON RD
 Description 32.76A HSE & M HME
 (Note: Not to be used on legal documents)
 Class FARM (20)
 Tax District 00-County
 Rate Per Thousand 10.7382

[View Map](#)

Ownership

LESSENBERRY DONALD K & BRENDA J
 554 GRANVILLE SEXTON RD
 EDMONTON, KY 42129

Land Characteristics

Tax Roll Information

Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
3/9/2023	\$0	174	305	LESSENBERRY DONALD K & BRENDA J	LESSENBERRY DONALD KEVIN ET AL
10/1/1996	\$0	99	418	LESSENBERRY DONALD KEVIN ET AL	LESSENBERRY JAMES PAUL & MARY
1/1/1989	\$0			LESSENBERRY JAMES PAUL & MARY	MARY L SMITH

Information



Metcalfe County, KY
 P.O. Box 939
 Edmonton, KY 42129

Property Valuation Administrator
[Michael Welsh](#)
 270-432-3162

Announcements

[How to use the Beacon site - view Demo Videos](#)

Parcel Number 074-00-00-004.03
 LESSENBERRY JOSHUA U & EMILY LYNN
 1237 CREWDSON DR
 BOWLING GREEN, KY 42101

qPublic.net Metcalfe County, KY PVA Elizabeth Williams Search search...

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

Summary

Parcel Number 074-00-00-004.03
 Account Number 51151
 Location Address GRANVILLE SEXTON RD
 Description 6.83A
 (Note: Not to be used on legal documents)
 Class RESIDENTIAL (10)
 Tax District 00-County
 Rate Per Thousand 10.7382

[View Map](#)

Ownership

LESSENBERRY JOSHUA U & EMILY LYNN
 1237 CREWDSON DR
 BOWLING GREEN, KY 42101

Land Characteristics

Tax Roll Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
3/9/2023	\$0	174	276	LESSENBERRY JOSHUA U & EMILY LYNN	LESSENBERRY DONALD KEVIN ET AL

Information



Metcalfe County, KY
 P.O. Box 939
 Edmonton, KY 42129

Property Valuation Administrator
[Michael Welsh](#)
 270-432-3162

Announcements

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Parcel Number 074-00-00-004.01
 LESSENBERRY JEREMY D
 85 GRANVILLE SEXTON RD
 EDMONTON, KY 42129

qPublic.net Metcalfe County, KY PVA Elizabeth Williams Search search...

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

Summary

Parcel Number: 074-00-00-004.01
 Account Number: 51149
 Location Address: 554 G SEXTON RD
 Description: 12.29A & M HME
(Note: Not to be used on legal documents)
 Class: FARM (20)
 Tax District: 00-County
 Rate Per Thousand: 10.7382

[View Map](#)

Ownership

LESSENBERRY JEREMY D
 85 GRANVILLE SEXTON RD
 EDMONTON, KY 42129


Land Characteristics

Tax Roll Information


Improvement Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
3/9/2023	\$0			LESSENBERRY JEREMY D	LESSENBERRY JEREMY D
3/9/2023	\$0	174	261	LESSENBERRY JEREMY D	LESSENBERRY DONALD KEVIN ET AL



Information



Metcalfe County, KY
 P.O. Box 939
 Edmonton, KY 42129

Property Valuation Administrator
[Michael Welsh](#)
 270-432-3162

Announcements

[How to use the Reacon site - view Demo Videos](#)

Parcel Number 075-00-00-008.04
 SEXTON MICHAEL & SHELIA
 3393 EDMONTON RD
 COLUMBIA, KY 42728

qPublic.net Metcalfe County, KY PVA Elizabeth Williams Search search...

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

Summary

Parcel Number: 075-00-00-008.04
 Account Number: 47959
 Location Address: EAST FORK RD
 Description: 10.42A
(Note: Not to be used on legal documents)
 Class: FARM (20)
 Tax District: 00-County
 Rate Per Thousand: 10.7382

[View Map](#)

Ownership

SEXTON MICHAEL & SHELIA
 3393 EDMONTON RD
 COLUMBIA, KY 42728

Land Characteristics

Tax Roll Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
2/10/2015	\$12,504	153	663	SEXTON MICHAEL & SHELIA	SEXTON BILLY ALLAN & LISA



Information



Metcalfe County, KY
 P.O. Box 939
 Edmonton, KY 42129

Property Valuation Administrator
[Michael Welsh](#)
 270-432-3162

Announcements

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Parcel Number 075-00-00-008.05
 SEXTON BILLY ALLAN % ALMA JEAN SEXTON
 2493 EAST FORK RD
 EDMONTON, KY 42129

qPublic.net Metcalfe County, KY PVA Elizabeth Williams Search search...

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

Summary

Parcel Number 075-00-00-008.05
 Account Number 47960
 Location Address EAST FORK RD
 Description 43.72A
 (Note: Not to be used on legal documents)
 Class FARM (20)
 Tax District 00-County
 Rate Per Thousand 10.7382

[View Map](#)

Ownership

SEXTON BILLY ALLAN % ALMA JEAN
 SEXTON
 2493 EAST FORK RD
 EDMONTON, KY 42129

Land Characteristics

Tax Roll Information

Sales

Sale Date	Sale Price	Deed Book	Deed Page	Grantee	Grantor
1/26/2015	\$1	153	540	SEXTON BILLY ALLAN	SEXTON OLLIS ESTATE & ALMA

Information



Metcalfe County, KY
 PO, Box 939
 Edmonton, KY 42129

Property Valuation
 Administrator
[Michael Welsh](#)
 270-432-3162

Announcements

[How to use the Beacon site - view Demo Videos](#)

Properties in Adair County

Parcel Number 003-00-00-015.01
 ARGABRIGHT TERESA & FITTS DON
 2445 BUCK GROVE RD
 BRANDENBURG, KY 40108

qPublic.net Adair County, KY PVA Elizabeth Williams Search search...

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

Summary

Parcel Number 003-00-00-015.01
 Account Number 8814
 Location Address PRICES CREEK RD
 Description 9.67 ACRES RETAINED
 (Note: Not to be used on legal documents)
 Class Residential
 Tax District 00 00
 Rate Per Thousand 11.2800

[View Map](#)

Owner

Primary Owner
 ARGABRIGHT TERESA & FITTS DON
 2445 BUCK GROVE RD
 BRANDENBURG, KY 40108

Land Characteristics

Valuation

Special Assessments

Taxes

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
12/1/2007	\$0		302-439	ARGABRIGHT TERESA & FITTS DON	SEXTON EDNA

Information



Adair County, KY
 424 Public Square, Suite 2
 Columbia, KY 42728

Property Valuation
 Administrator
[Landon Edwards, PVA](#)
 (270) 384-3673

Announcements

[How to use the Beacon site - view Demo Videos](#)



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

August 4, 2023

**Notice of Proposed Construction of
Wireless Communications Facility
Site Name: Cumberland Parkway**

Cellco Partnership, d/b/a Verizon Wireless is filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located on the north side of East Fork Road, Edmonton, Kentucky 42129. (North Latitude: (37° 01' 52.38", West Longitude 85° 41' 03.08"). The proposed facility will include a 300-foot tall antenna tower, plus a 5-foot lightning arrestor and related ground facilities. This facility is needed to provide improved coverage for wireless communications in the area.

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 2023-00265 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.

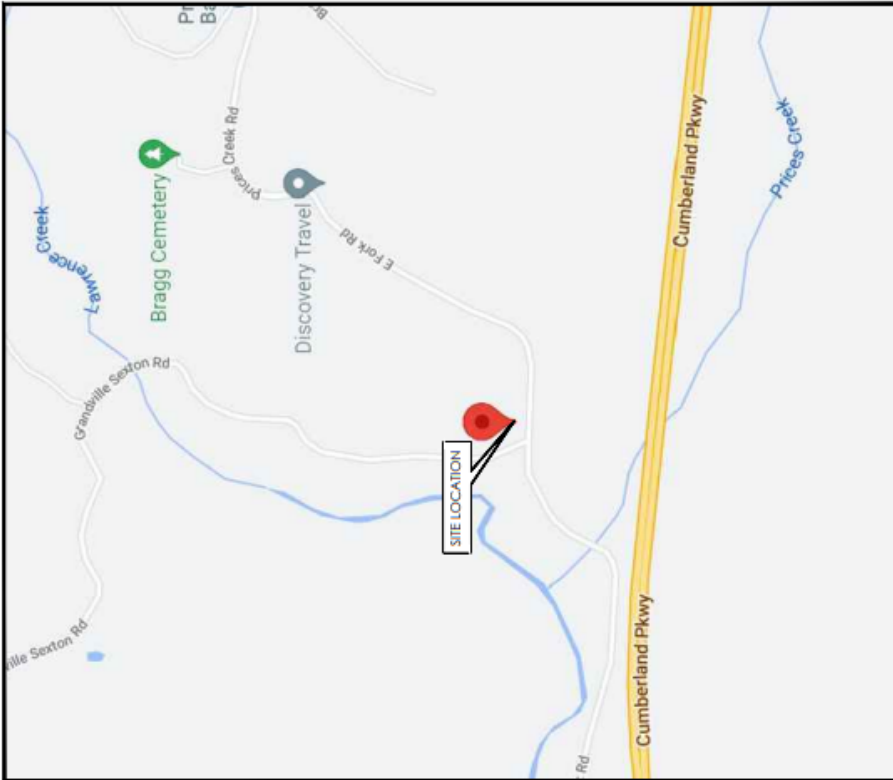
Sincerely,
Russell L. Brown

Attorney for Applicant
RLB/mnw
enclosure

Aerial Map



Location Map



CERTIFIED MAIL

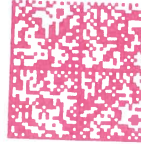
ClarkQuinn
Clark, Quinn, Moses, Scott & Grahn, LLP



9589 0710 5270 0166 8717 01

SEXTON MICHAEL A & SHEILA F
MATTHEW A & AIMEE M SEXTON
3393 EDMONTON RD
COLUMBIA, KY 42728

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ZIP 46204 \$ 008.53⁰
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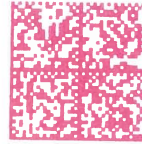
ClarkQuinn
Clark, Quinn, Moses, Scott & Grahn, LLP



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SEXTON MICHAEL A & SHEILA F
MATTHEW A & AIMEE M SEXTON
340 JACKIE NASH RD
KNOB LICK, KY 42154

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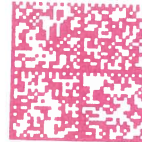
ClarkQuinn
Clark, Quinn, Moses, Scott & Grahn, LLP



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HERALD PATRICK H
2405 EAST FORK ADAIR CO LINE RD
EDMONTON, KY 42129

FIRST-CLASS



US POSTAGE^{IMI}PITNEY BOWES



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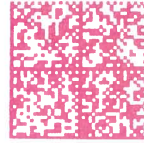
ClarkQuinn
Clark, Quinn, Moses, Scott & Grahn, LLP



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SEXTON BILLY ALLAN
c/o ALMA JEAN SEXTON
2493 EAST FORK RD
EDMONTON, KY 42129

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Clark, Quinn, Moses, Scott & Grahn, LLP



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SEXTON DELISA ANN & ANITA L
MCCRACKEN DUANE L SEXTON
2777 E FORK RD
EDMONTON, KY 42129

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SEXTON MICHAEL & SHELIA
3393 EDMONTON RD
COLUMBIA, KY 42728

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Clark, Quinn, Moses, Scott & Grahn, LLP



9589 0710 5270 0166 8716 40

LESSENBERRY DONALD K & BRENDA J
554 GRANVILLE SEXTON RD
EDMONTON, KY 42129

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



9589 0710 5270 0166 8716 33

LESSENBERRY JOSHUA U & EMILY LYNN
1237 CREWDSON DR
BOWLING GREEN, KY 42101

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Clark, Quinn, Moses, Scott & Grahn, LLP



9589 0710 5270 0166 8716 26

LESSENBERRY JEREMY D
85 GRANVILLE SEXTON RD
EDMONTON, KY 42129

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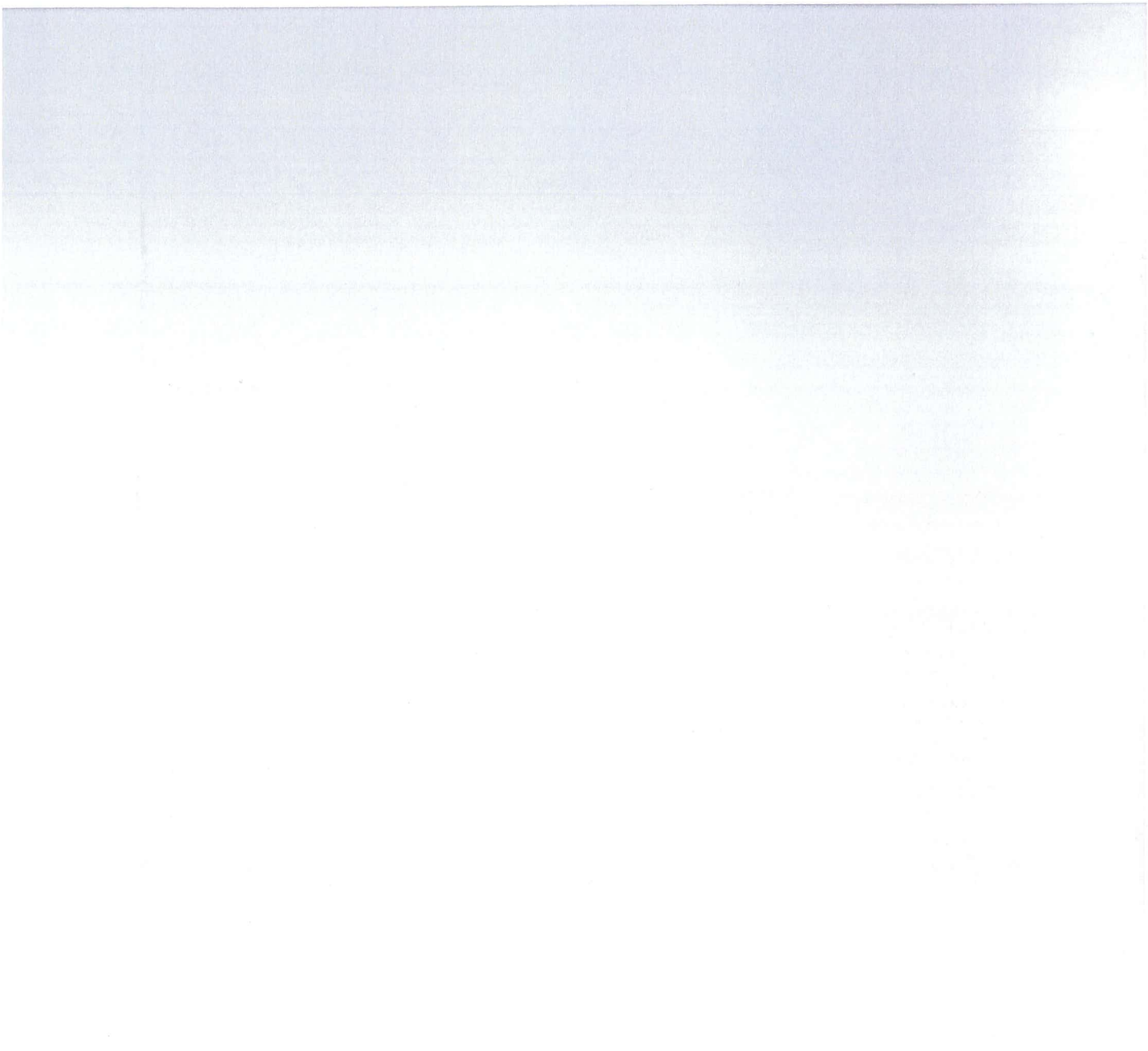


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0006035028

\$ 008.53⁰

AUG 04 2023

ARGABRIGHT.TERESA & FITTS DON
2445 BUCK GROVE RD
BRANDENBURG, KY 40108



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:

HERALD PATRICK H
 2405 EAST FORK ADAIR CO LINE RD
 EDMONTON, KY 42129



9590 9402 8129 2349 7936 96

2. Article Number (Transfer from service label)

9589 0710 5270 0166 8716 88

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x Pat Herald

Agent

Addressee

B. Received by (Printed Name)

Pat Herald

C. Date of Delivery

8-10-23

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

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail

- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation®
- Signature Confirmation Restricted Delivery

Mail Restricted Delivery (00)

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

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- 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:

SEXTON MICHAEL & SHELIA
 3393 EDMONTON RD
 COLUMBIA, KY 42728



9590 9402 8129 2349 7936 65

2. Article Number (Transfer from service label)

9589 0710 5270 0166 8716 57

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x Michael Sexton

Agent

Addressee

B. Received by (Printed Name)

Michael Sexton

C. Date of Delivery

8-9-23

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

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail

- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation®
- Signature Confirmation Restricted Delivery

Mail Restricted Delivery (00)

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:

SEXTON MICHAEL A & SHEILA F
 MATTHEW A & AIMEE M SEXTON
 340 JACKIE NASH RD
 KNOB LICK, KY 40154



9590 9402 8129 2349 7937 02

2. Article Number (Transfer from service label)

9589 0710 5270 0166 8716 95

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x Michael Sexton

Agent

Addressee

B. Received by (Printed Name)

Michael Sexton

C. Date of Delivery

8-9-23

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

3. Service Type


- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail

- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation®
- Signature Confirmation Restricted Delivery

Mail Restricted Delivery (00)

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> <i>Don Fitts</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Don Fitts</i> C. Date of Delivery <i>8/9/23</i></p>
<p>1. Article Addressed to:</p> <p>ARGABRIGHT TERESA & FITTS DON 2445 BUCK GROVE RD BRANDENBURG, KY 40108</p>  <p>9590 9402 8129 2349 7931 15</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>2. Article Number (Transfer from service label)</p> <p>9589 0710 5270 0166 8716 19</p>	<p>3. Service Type</p> <ul style="list-style-type: none"> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Mail Restricted Delivery (00) <ul style="list-style-type: none"> <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery
<p>PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt</p>	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> <i>Michael Sexton</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Michael Sexton</i> C. Date of Delivery <i>8/9/23</i></p>
<p>1. Article Addressed to:</p> <p>SEXTON MICHAEL A & SHEILA F MATTHEW A & AIMEE M SEXTON 3393 EDMONTON RD COLUMBIA, KY 42728</p>  <p>9590 9402 8129 2349 7937 19</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>2. Article Number (Transfer from service label)</p> <p>9589 0710 5270 0166 8717 01</p>	<p>3. Service Type</p> <ul style="list-style-type: none"> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Mail Restricted Delivery (00) <ul style="list-style-type: none"> <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery
<p>PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt</p>	

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:

SEXTON, BILLY ALLAN
c/o ALMA JEAN SEXTON
2493 EAST FORK RD
EDMONTON, KY 42129



9590 9402 8129 2349 7936 89

2. Article Number (Transfer from service label)

9589 0710 5270 0166 8716 71

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Alma Sexton*

- Agent
- Addressee

B. Received by (Printed Name)

Alma Sexton

C. Date of Delivery

8/14/23

- 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
- Registered Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation®
- Signature Confirmation Restricted Delivery
- Mail Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

SEXTON DELISA ANN & ANITA L
MCCRACKEN DUANE L SEXTON
2777 E FORK RD
EDMONTON, KY 42129



9590 9402 8236 3030 6437 32

2. Ar

PS F

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Duane Sexton*

- Agent
- Addressee

B. Received by (Printed Name)

Duane Sexton

C. Date of Delivery

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
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

Return Receipt

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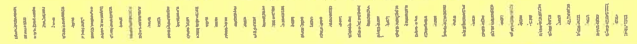
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LESSENBERRY DONALD K & BRENDA J
554 GRANVILLE SEXTON RD
EDMONTON, KY 42129

8/8
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NIXIE 37230 09/07/2023

RETURN TO SENDER
NOT DELIVERABLE AS ADDRESSED
UNABLE TO FORWARD
SORT IN MANUAL ONLY NO AUTOMATION
BC: 56998999955



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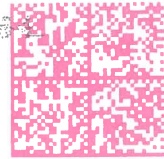
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VTF

LESSENBERRY JEREMY D
85 GRANVILLE SEXTON RD
EDMONTON, KY 42129

1-7-23
0-5-23

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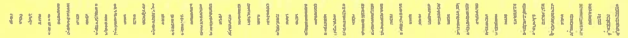
RETURN TO SENDER
UNCLAIMED
UNABLE TO FORWARD

UTF

MANUAL PROC REQ *2212-01207-04-47

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5699879999



Tracking Number:

[Remove X](#)

9589071052700166871633

[Copy](#)

[Add to Informed Delivery \(https://informedelivery.usps.com/\)](https://informedelivery.usps.com/)

Latest Update

Your item was delivered to an individual at the address at 2:52 pm on August 7, 2023 in BOWLING GREEN, KY 42101.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Left with Individual

BOWLING GREEN, KY 42101

August 7, 2023, 2:52 pm

[See All Tracking History](#)

Feedback

[What Do USPS Tracking Statuses Mean? \(https://faq.usps.com/s/article/Where-is-my-package\)](https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates



USPS Tracking Plus®



Product Information



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Track Another Package

Need More Help?

Contact USPS Tracking support for further assistance.

[FAQs](#)

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Latest Update

Your package is moving within the USPS network and is on track to be delivered to its final destination. It is currently in transit to the next facility.

Get More Out of USPS Tracking:

[USPS Tracking Plus®](#)

Feedback

Moving Through Network In Transit to Next Facility

September 12, 2023

Departed USPS Regional Facility

INDIANAPOLIS IN DISTRIBUTION CENTER
September 8, 2023, 9:00 am

[See All Tracking History](#)

[What Do USPS Tracking Statuses Mean? \(https://faq.usps.com/s/article/Where-is-my-package\)](https://faq.usps.com/s/article/Where-is-my-package)

[Text & Email Updates](#)



[USPS Tracking Plus®](#)



[Product Information](#)



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Track Another Package

Enter tracking or barcode numbers

Need More Help?

Contact USPS Tracking support for further assistance.

[FAQs](#)

Tracking Number:

[Remove X](#)

9589071052700166871664

[Copy](#)

[Add to Informed Delivery \(https://informedelivery.usps.com/\)](https://informedelivery.usps.com/)

Latest Update

Your package is moving within the USPS network and is on track to be delivered to its final destination. It is currently in transit to the next facility.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Out for Delivery

Preparing for Delivery

Moving Through Network

In Transit to Next Facility

August 12, 2023

Departed USPS Regional Facility

LOUISVILLE KY DISTRIBUTION CENTER

August 8, 2023, 7:09 pm

[See All Tracking History](#)

Feedback

[What Do USPS Tracking Statuses Mean? \(https://faq.usps.com/s/article/Where-is-my-package\)](https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates



USPS Tracking Plus®



Product Information



See Less ^

Track Another Package

Enter tracking or barcode numbers

Need More Help?

Contact USPS Tracking support for further assistance.

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

August 4, 2023

Via Certified Mail, Return Receipt Requested

Hon. Larry Wilson
Metcalfe County Judge Executive
P. O Box 149
Edmonton, KY 42129

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2023-00265
Site Name: Cumberland Parkway


Dear Judge Wilson:

Cellco Partnership, d/b/a Verizon Wireless is filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located on the north side of East Fork Road, Edmonton, Kentucky 42129. (North Latitude: (37° 01' 52.38", West Longitude 85° 41' 03.08"). The proposed facility will include a 300-foot tall antenna tower, plus a 5-foot lightning arrestor and related ground facilities. This facility is needed to provide improved coverage for wireless communications in the area.

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 2023-00265 in any correspondence sent in connection with this matter.

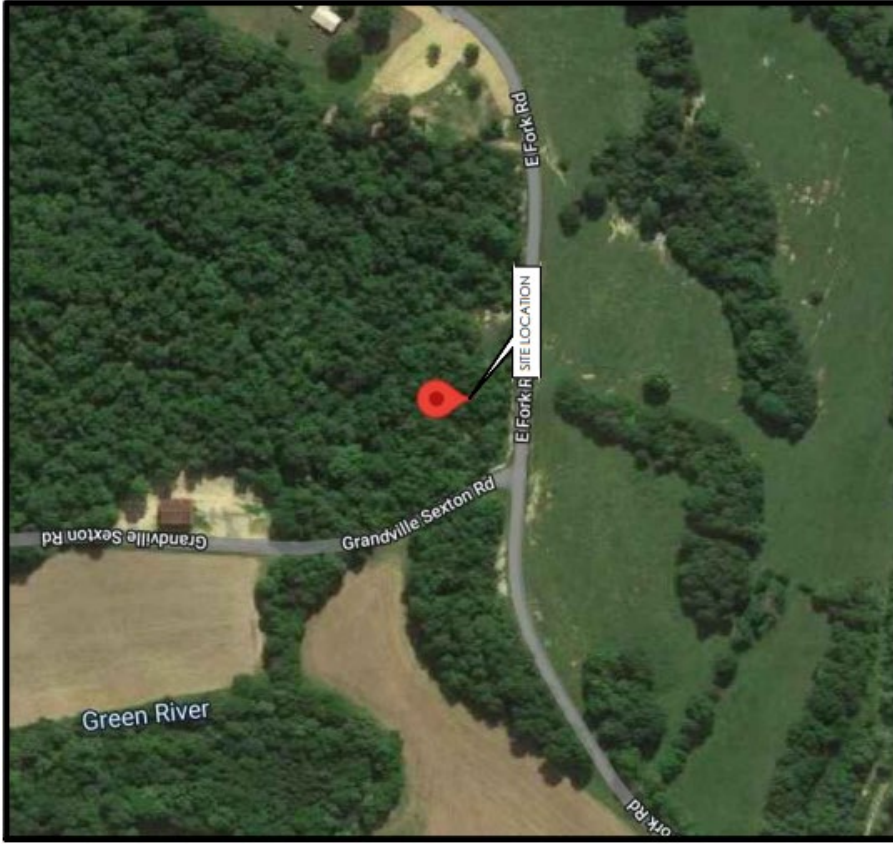
We have attached a map showing the site location for the proposed tower. Verizon Wireless' radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us with any comments or questions you may have.

Sincerely,
Russell L. Brown

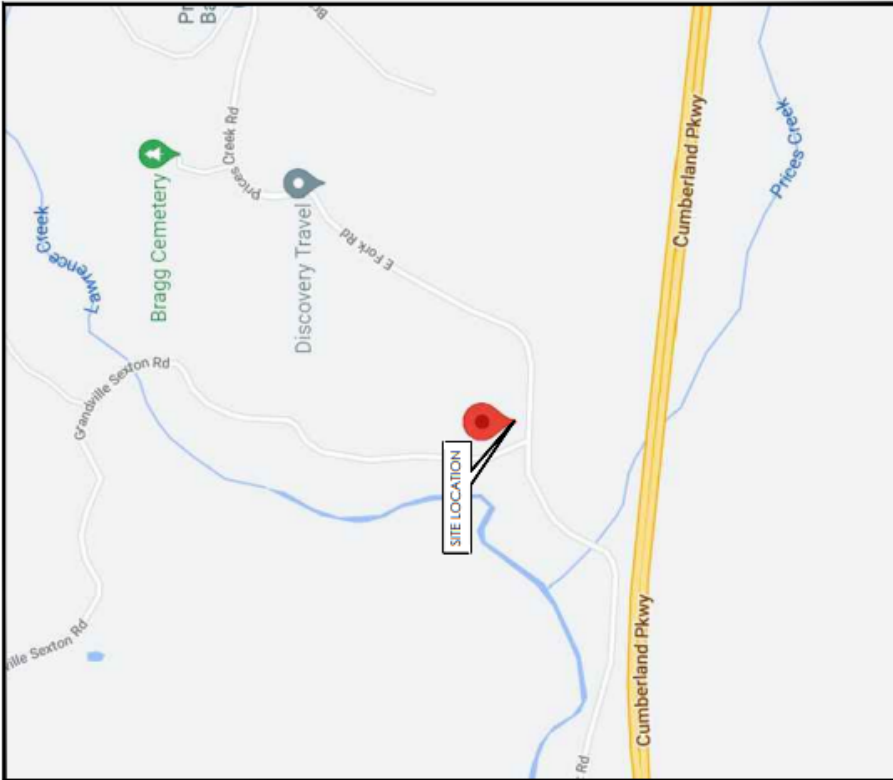


Attorney for Applicant

Aerial Map



Location Map



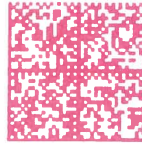
CERTIFIED MAIL®

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



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US POSTAGETM PITNEY BOWES



ZIP 46204 \$ 008.53⁰
02 7H
0006035028 AUG 04 2023

Hon. Larry Wilson
Metcalfe County Judge Executive
P.O. Box 149
Edmonton, KY 42129

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:

Hon. Larry Wilson
 Metcalfe County Judge Executive
 P.O. Box 149
 Edmonton, KY 42129



9590 9402 8129 2349 7937 26

2. Article Number (Transfer from service label)

9589 0710 5270 0166 8717 18

COMPLETE THIS SECTION ON DELIVERY

A. Signature *Lorne Gilpin* Agent Addressee

B. Received by (Printed Name) *Lorne Gilpin* C. Date of Delivery *8/7/23*

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

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

SITE NAME: Cumberland Parkway 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 proposes to construct a telecommunications **tower** on this site. If you have questions, please contact Clark, Quinn, Moses, Scott & Grahn, LLP, 320 N. Meridian Street, Indianapolis, IN 46204; 317-637-1321, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2023-00265 in your correspondence.

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Robert B. Scott
Charles R. Grahn
Frank D. Otte*
John "Bart" Herriman
William W. Gooden**
Michael P. Maxwell
Russell L. Brown**†
Jennifer F. Perry
Keith L. Beall
N. Davey Neal
Travis W. Cohron
Maggie L. Sadler
Kristin A. McIlwain
Olivia A. Hess

VIA EMAIL: heraldnews@jpinews.com

Land Use Consultant
Elizabeth Bentz Williams, AICP

Edmonton Herald-News
116 S. Main St. P.O. Box 87
Edmonton, KY 42129

*Also admitted in Montana
†Also admitted in Kentucky
**

Registered Civil Mediator

RE: Legal Notice Advertisement
Site Name: Cumberland Parkway

To Whom It May Concern,

Please publish the following legal notice advertisement in the next available edition of the Edmonton Herald-News Publication:

NOTICE

Cellco Partnership, d/b/a Verizon Wireless is filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located the north side of East Fork Road, Edmonton, Kentucky 42129. (North Latitude: (37° 01' 52.38", West Longitude 85° 41' 03.08"). The proposed facility will include a 300-foot tall antenna tower, plus a 5-foot lightning arrester 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 2023-00265 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

Design Search Area Map





August, 31th, 2022

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

Facility Site Name: CK Cumberland Parkway

Type of Tower: 305 ft. Self-Support

Location: East Fork Rd, Edmonton, KY 42129 Metcalfe County

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 Cumberland Parkway.

The CK Cumberland Parkway site is proposed with the below objectives:

1. To improve cellular service along the Cumberland Parkway.
2. To offload existing traffic of existing Verizon sites in this area.

Currently the area is experiencing poor service along the Cumberland Parkway and a high demand for wireless high-speed data. 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 305' with a Verizon Wireless Centerline of 295'. The new structure height was decided upon to best cover the parkway 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 many 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 CK Cumberland Parkway 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

LENA M. MOORE
Notary Public
Commonwealth of Kentucky
Commission Number KYNP34477
My Commission Expires Sep 16, 2025



August, 31th, 2022

RE: Zoning Plots

Site Name: CK Cumberland Parkway

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.

The proposed site is needed to improve the service along the Cumberland Parkway and to offload capacity from existing sites. This map reflects the predicted coverage area that will both improve coverage along the Cumberland Parkway and offload capacity from the existing sites by transferring customers to the proposed site.

Sincerely,

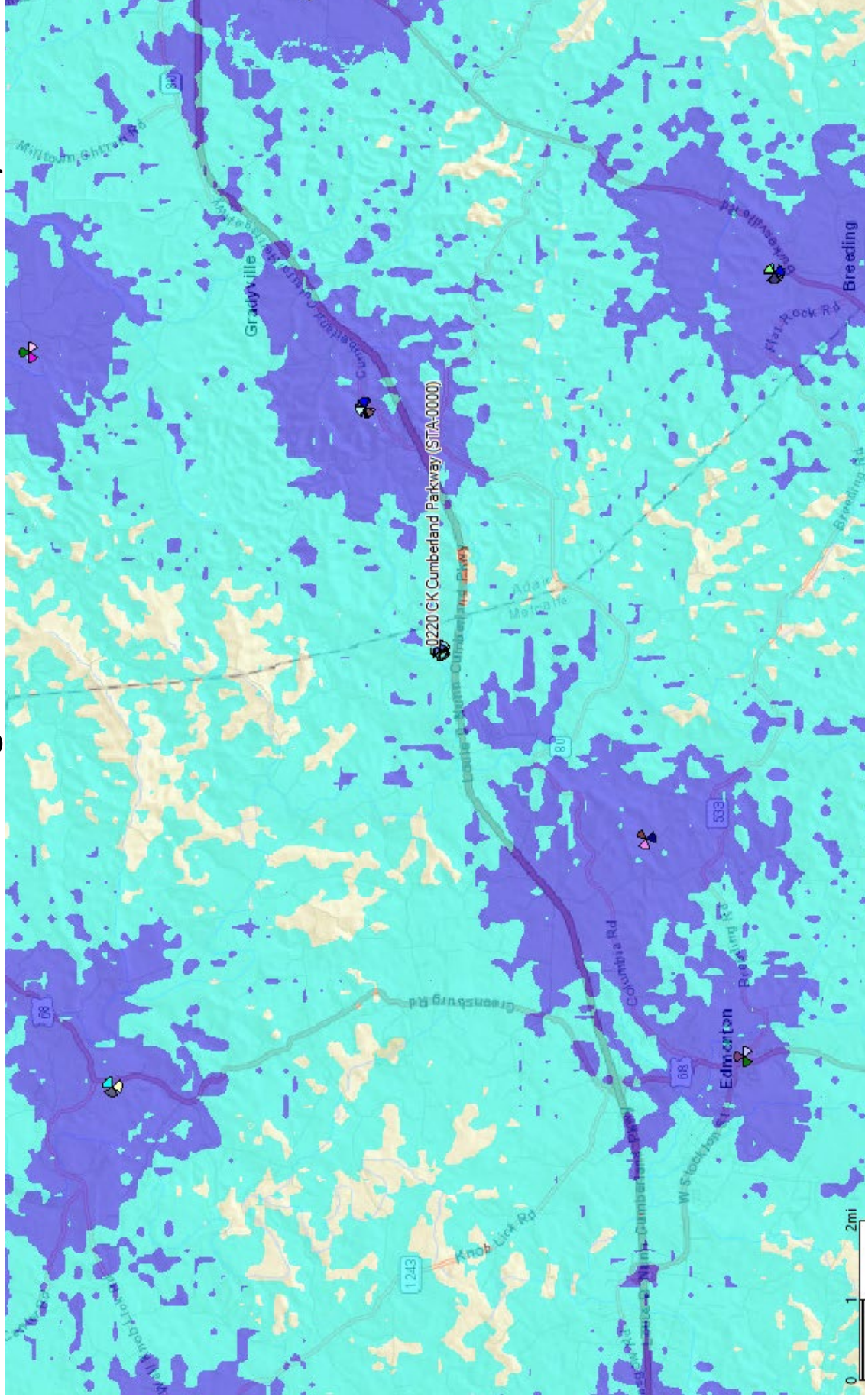
A handwritten signature in black ink, appearing to read "S. Belcher", with a long horizontal flourish extending to the right.

Steven Belcher

Sr RF Engineer

Verizon Wireless

verizon Current Coverage without Cumberland Parkway



verizon Coverage with the Proposed Cumberland Parkway

- LTE Core Coverage
- LTE Border Coverage

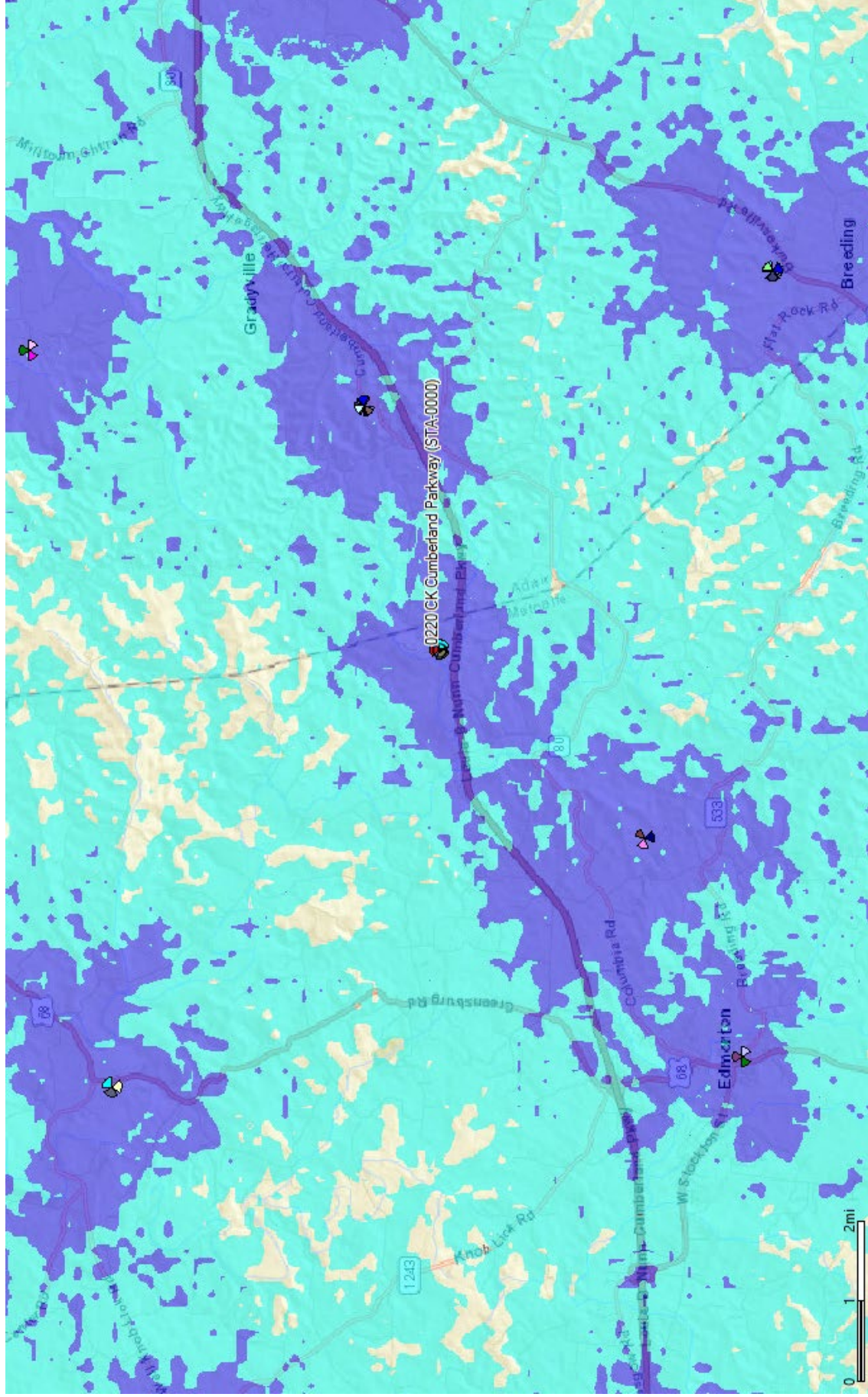


Exhibit S
List and Identity and Qualifications of Professionals

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

Stephen E. Hunt
Professional Engineer
Kentucky License 25003
Kentucky License 3136
TeleCad Wireless
1961 Northpoint Blvd., Ste 130
Hixson, TN 37343

Dennis Daniels Abel
Professional Engineer
Kentucky License 22516
FDH Infrastructure Services
Raleigh, NC 27616

Stephen Yeo
Professional Engineer
Kentucky License 22748
ROHN
1 Fairholm Avenue
Peoria, IL 61603

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

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

