

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

In the Matter of:

THE APPLICATION OF)
CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS)
AND TOWERCO 2013, LLC FOR ISSUANCE) CASE NO. 2023-00311
OF A CERTIFICATE OF PUBLIC CONVENIENCE AND)
NECESSITY TO CONSTRUCT A WIRELESS)
COMMUNICATIONS FACILITY IN THE)
COMMONWEALTH OF KENTUCKY IN THE COUNTY)
OF BRECKINRIDGE)

SITE NAME: MCDANIELS

* * * * *

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

Cellco Partnership, d/b/a Verizon Wireless and TowerCo 2013, LLC (“Co-Applicants”), by counsel, pursuant to (i) KRS §§278.020, 278.040, 278.650, 278.665, and other statutory authority, and the rules and regulations applicable thereto, and (ii) the Telecommunications Act of 1996, respectfully 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. TowerCo 2013, LLC, having a local address of 5000 Valleystone Drive, Cary, NC 27519

2. Co-Applicants:

a. Cellco Partnership, d/b/a Verizon Wireless is a Delaware general partnership and a copy of the Statement of Good Standing from Delaware, and the Certificate of Assumed Name is on file with the Secretary of State of Commonwealth of Kentucky and included as part of **Exhibit A**.

b. TowerCo 2013, LLC is a Delaware limited liability company and a copies of the formulation document and the Statement of Good Standing from Delaware, and the Certificate of Authorization is on file with the Secretary of State of Commonwealth of Kentucky, are included as part of **Exhibit A**.

3. Co-Applicants propose construction of an antenna tower for communications services, which is to be located in an area outside the jurisdiction of a planning commission, and 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 at 9879 KY-259, McDaniels, KY 40152. (North Latitude: 37° 37' 9.08, West Longitude 86° 26' 17.30"), 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 Wayne Fentress pursuant to a Deed recorded at Deed Book 435, Page 353 in the office of the County Clerk. The proposed WCF will consist of a 295-foot tall tower, with an approximately 10-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 for Federal Aviation Administration's ("FAA") and the FAA Determination of No Hazard are attached as **Exhibit F**.

12. A copy of the Kentucky Airport Zoning Commission ("KAZC") Application is attached as **Exhibit G**. The KAZC Approval will be provided as soon as received.

13. A geotechnical engineering report was performed at the WCF site by Delta Oaks Group, 4904 Professional Court, Second Floor, Raleigh, NC 27609, dated September 1, 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 21027C0475C, Dated August 4, 2008.

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, every owner of real estate within 200 feet of the access road including intersection with the public street system and all abutting property owners (according to the records maintained by the County Property Valuation Administrator). Attached as **Exhibit L** is the Notification List with screen

shots of the PVA records verified and updated using the Calloway County PVA on October 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 October 3, 2023, using the Calloway County Kentucky Property Valuation Administration records and a copy of the form of the notice sent by certified mail to each landowner on October 4, 2023, are attached as **Exhibit L** and **Exhibit M**, respectively. Fourteen (14) notices were sent to surrounding property owners; to date twelve (12) notice green cards have been returned and one (1) envelope has been returned. USPS tracking indicates that one (1) notice is still moving through the system. 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 Breckinridge County, Kentucky. The site is just south of the intersection of KY-259 and KY-29 on the east side of the road. The area is buffered by a tree row to the north and east. The area is developed with self storage units to the west and predominated wooded area to north and east, with a scattering of residential properties. The terrain in this area is fairly flat. There is no zoning or Plan Commission in Breckinridge 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 433.83 feet from the proposed tower site.

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

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

26. The tower must be located at the proposed location and proposed height to provide necessary service to wireless communications users in the subject area, as set out and documented in the RF Design Engineer's Statement of Need and Propagation Maps attached as **Exhibit R** and **Exhibit 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.

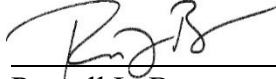
28. All Exhibits to this Application are hereby incorporated by reference as if fully set out as part of the Application.

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

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
- G KAZC Application
- 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

Delaware

The First State

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

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



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

3341134 8300

SR# 20231665976

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

Authentication: 203227418

Date: 04-27-23



Michael G. Adams
Secretary of State

Certificate

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

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

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



Michael G. Adams

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

COMMONWEALTH OF KENTUCKY
TREY GRAYSON
SECRETARY OF STATE



0641227.07

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C226

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

CERTIFICATE OF ASSUMED NAME

This certifies that the assumed name of
Verizon Wireless

(Name under which the business will be conducted)

has been adopted by See Addendum

(Real name - KRS 365.015(1))

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

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

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

One Verizon Way

Basking Ridge

NJ

07920

Street address, if any

City

State

Zip Code

The certificate of assumed name is executed by

NYNEX PCS Inc.

Jane A. 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

Commonwealth of Kentucky
Michael G. Adams, Secretary of State

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

Certificate of Authorization

Authentication number: 297432

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

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

TOWERCO 2013 LLC

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

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

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



Michael G. Adams

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

Delaware

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "TOWERCO 2013 LLC" IS DULY FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE TWENTY-SEVENTH DAY OF SEPTEMBER, A.D. 2023.

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

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




Jeffrey W. Bullock, Secretary of State

5222115 8300

SR# 20233593958

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

Authentication: 204256340

Date: 09-27-23

AM - Amendment of a Pending Application

[Reference Copy](#)

[Help](#)

Confirmation

General Information

File Number:

A1234587

Registration Number:

Date Received:

01/17/2023

Purpose:

Amend an application

Status:

Pending

National Notice Date:

02/03/2023

Owner Information

TowerCo 2013 LLC

Attn: TowerCo ID:
KY0097
5000 Valleystone Drive,
Suite 200
Cary, NC 27519

Phone: (919) 653-5700

Fax: (919) 469-5530

E-mail:

cdoherly@towerco.com

Antenna Structure

Latitude:

37° 37' 09.1" N

Longitude:

086° 26' 17.3" W

Structure Location:

KY Hwy 259 (Holiday
Beach Ln)
McDaniels, KY 40152

Overall AGL Height:

91.5 m

FAA Study Number:

Date Issued:

Resources

[Tower Construction](#)

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[E-106 System](#)

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Federal Communications
Commission
45 L Street NE
Washington, DC 20554

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**FCC Form 854
Main Form**

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

Application for Antenna Structure Registration

Purpose of Filing

1) Enter the application purpose: (AM)	
AM – Amendment of a Pending Application AU – Administrative Update CA – Cancellation of an Antenna Structure Registration DI – Notification of an Antenna Structure Dismantlement MD – Modification of a Antenna Structure Registration	NE – Registration of a New Antenna Structure NT – Required Construction/Alteration Notification OC – Ownership Change RE – Registration of a Replacement Antenna Structure WD – Withdrawal of a Pending Application
2a) If the answer to 1 is AU, CA, DI, MD, NT, OC or RE, provide the FCC Antenna Structure Registration (ASR) Number.	FCC ASR Number:
2b) If the answer to 1 is AM or WD, provide the File Number of the pending application on file.	File Number: A1234587
2c) If the answer to 1 is MD or NT, provide the date the Antenna Structure was constructed or the date it was last altered (mm/dd/yyyy).	Date:
2d) If the answer to 1 is DI, provide the date the Antenna Structure was dismantled (mm/dd/yyyy).	Date:

Antenna Structure Ownership Information

3) Select one of the entity types:			
() Individual	() Unincorporated Association	() Trust	() Government Entity
() Corporation	(X) Limited Liability Company	() General Partnership	() Limited Partnership
() Consortium	() Limited Liability Partnership	() Other: _____	
4) FCC Registration Number (FRN): 0024950685		5) Assignor FCC Registration Number (FRN):	
6) First Name (if individual):	MI:	Last Name:	Suffix:
7) Legal Entity Name (if not an individual): TowerCo 2013 LLC			
8) Attention To: TowerCo ID: KY0097		9) P.O. Box:	And/Or
10a) Street Address 1: 5000 Valleystone Drive, Suite 200		10b) Street Address 2:	
11) City: Cary	12) State: NC	13) Zip Code: 27519	
14) Telephone Number (xxx-xxx-xxxx): (919) 653-5700		15) Fax Number: (xxx-xxx-xxxx): (919) 469-5530	
16) E-mail Address: cdoherly@towerco.com			

Contact Representative Information

17) First Name (if individual): Chad	MI:	Last Name: Doherty	Suffix:
18) Business Name: TowerCo 2013 LLC			
19) Attention To: TowerCo ID: KY0097	20) P.O. Box		And/Or
21a) Street Address 1: 5000 Valleystone Drive, Suite 200		21b) Street Address 2:	
22) City: Cary	23) State: NC	24) Zip Code: 27519	
25) Telephone Number (xxx-xxx-xxxx): (919) 653-5700		26) Fax Number: (xxx-xxx-xxxx): (919) 469-5530	
27) E-mail Address: cdoherly@towerco.com			

Antenna Structure Information

28a) Latitude (DD-MM-SS.S): 37- 37- 09.1		28b) North or South: North	
29a) Longitude (DDD-MM-SS.S): 086- 26- 17.3		29b) East or West: West	
30) Street Address or Geographic Location: KY Hwy 259 (Holiday Beach Ln)		31) City: McDaniels	
32) County: BRECKINRIDGE	33) State: KENTUCKY	34) Zip Code: 40152	
35) Elevation of site above mean sea level (meters):			183.8 meters
36) Overall height above ground level (AGL) of the supporting structure without appurtenances:			88.4 meters
37) Overall height above ground level (AGL) of the antenna structure including all appurtenances:			91.5 meters
38) Overall height above mean sea level (add items 35 and 37 together):			275.3 meters
39a) Enter the type of structure on which the antenna will be mounted: (LTOWER)			
B – Building BANT – Building with Antenna on Top BMAST – Building with Mast BPIPE – Building with Pipe BPOLE – Building with Pole BRIDG – Bridge BTWR – Building with Tower GTOWER – Guyed Structure Used For Communication Purposes LTOWER – Lattice Tower MAST – Mast MTOWER – Monopole NNGTANN – Guyed Tower Array		NNLTANN – Lattice Tower Array NNMTANN – Monopole Array PIPE – Any type of Pipe POLE – Any type of Pole RIG – Oil or Other Type of Rig SIGN – Any type of Sign or Billboard SIL0 – Any type of Silo STACK – Smoke Stack TANK – Any type of Tank (water, gas, etc.) TREE – When used as a support for an antenna UPOLE – Utility Pole/Tower used to provide service (electric, telephone, etc.)	
39b) Number of Towers in Array:		39c) Position of this Tower in the Array:	
40a) Array Center Latitude (DD-MM-SS.S):		40b) North or South	
41a) Array Center Longitude (DDD-MM-SS.S):		41b) East or West:	

Proposed Marking and/or Lighting

42) Enter the proposed marking and/or lighting: (7)
See Form 854 Item 42 Instructions for detailed tier and lighting information.

- | | | |
|----------------|----------------|-----------------|
| 1) None | 4) FAA Style B | 7) FAA Style E |
| 2) Paint Only | 5) FAA Style D | 8) FAA Style F |
| 3) Other _____ | 6) FAA Style C | 9) FAA Style A |
| | | 10) FAA Style G |

FAA Notification

43) FAA Study Number:

44) Date Issued:

Environmental Compliance

45) Does the applicant request a waiver of the Commission's rules for environmental notice prior to construction due to an emergency situation?	(No) Yes or No
46a) If the answer to 45 is No, is another federal agency taking responsibility for environmental review of the Antenna Structure?	(No) Yes or No
46b) If the answer to 46a is Yes, indicate why: 1) The Antenna Structure is on Federal Land and the landholding agency is taking responsibility for the environmental review of the Antenna Structure. 2) Another federal agency has agreed with the FCC in writing to take responsibility for the environmental review of the Antenna Structure.	() 1 or 2
46c) If the answer to 46a is Yes, provide the name of the federal agency taking responsibility for the environmental review of the Antenna Structure.	Name:
47) If the answers to 45 and 46a are No, provide the National Notice Date for the application to be posted on the FCC's website (mm/dd/yyyy).	Date: 02/03/2023
48) Is the applicant submitting an environmental assessment?	(No) Yes or No
49) Does the applicant certify that grant of Authorizations at this location would not have a significant environmental effect pursuant to Section 1.1307 of the FCC's rules?	() Yes or No
50) If the answer to 49 is Yes, select the basis for this certification. 1) The construction is exempt from environmental notification (other than due to another agency's review) and it does not fall within one of the categories in Section 1.1307(a) or (b) of the FCC's rules? 2) The construction is exempt from environmental notification due to another agency's review, and the other agency has issued a Finding of No Significant Impact. 3) The environmental notification has been completed, and the FCC has notified the applicant that an Environmental Assessment is not required under Section 1.1307(c) or (d) of the FCC's rules, and the Construction does not fall within one of the categories in Section 1.1307(a) or (b) of the FCC's rules. 4) The FCC has issued a Finding of No Significant Impact.	() 1, 2, 3, 4
51) If the answer to 50 is 3 or 4, enter the date that Local Notice was provided (mm/dd/yyyy).	Date:

Certification Statements

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

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

52) First Name: Chad	MI:	Last Name: Doherty	Suffix:
53) Title: Operations			
54) Signature: Chad Doherty			55) Date: Jan 17, 2023

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

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

REFERENCE COPY

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



**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign KNKN867	File Number 0009262184
Radio Service CL - Cellular	
Market Numer CMA445	Channel Block B
Sub-Market Designator 0	

FCC Registration Number (FRN): 0003290673

Market Name Kentucky 3 - Meade
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Grant Date 09-01-2020	Effective Date 01-13-2021	Expiration Date 10-01-2030	Five Yr Build-Out Date	Print Date
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Site Information:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
1	36-50-41.0 N	086-51-27.0 W	243.8	82.3	1043225

Address: 1.3 KM EAST OF SR-100 & JEFF DAVIS HIGHWAY

City: RUSSELLVILLE **County:** LOGAN **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)	133.200	104.800	100.900	107.400	123.200	117.300	105.900	123.700
Transmitting ERP (watts)	153.310	72.160	9.790	0.510	0.420	0.540	11.230	75.590

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	133.200	104.800	100.900	107.400	123.200	117.300	105.900	123.700
Transmitting ERP (watts)	0.870	21.280	113.650	147.250	38.070	3.570	0.330	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)	133.200	104.800	100.900	107.400	123.200	117.300	105.900	123.700
Transmitting ERP (watts)	1.480	0.400	0.430	2.930	40.950	143.640	111.910	19.230

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: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
2	36-58-11.0 N	086-31-15.0 W	205.4	117.3	1043045

Address: Bowling Green Main, 3.4 KM southwest of

City: BOWLING GREEN County: WARREN 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)	108.200	135.100	135.400	118.600	102.700	103.000	111.100	110.800
Transmitting ERP (watts)	186.450	83.280	10.010	0.510	0.420	0.490	10.730	87.210

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	74.100	74.500	57.600	41.800	42.100	50.200	49.900
Transmitting ERP (watts)	0.270	2.540	54.390	78.620	9.450	0.350	0.270	0.270

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)	108.200	135.100	135.400	118.600	102.700	103.000	111.100	110.800
Transmitting ERP (watts)	1.020	0.240	0.310	2.130	24.000	70.020	56.310	11.460

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
3	37-08-47.0 N	086-39-02.0 W	189.0	128.0	1043044

Address: 9.7 KM SOUTH SOUTHEAST OF

City: MORGANTOWN County: BUTLER 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)	126.200	118.800	110.000	116.600	100.700	122.200	119.800	131.300
Transmitting ERP (watts)	0.330	0.690	16.910	90.270	116.960	30.240	2.840	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)	126.200	118.800	110.000	116.600	100.700	122.200	119.800	131.300
Transmitting ERP (watts)	2.100	0.260	0.330	1.050	21.320	101.470	108.950	23.430

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)	126.200	118.800	110.000	116.600	100.700	122.200	119.800	131.300
Transmitting ERP (watts)	90.270	14.390	1.070	0.260	0.340	2.530	33.930	116.960

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
4	37-47-53.0 N	086-19-51.0 W	257.3	125.0	1043043

Address: WITHIN THE CITY LIMITS OF

City: GARFIELD County: BRECKINRIDGE 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)	164.300	145.800	148.800	118.100	136.500	132.100	154.800	164.500
Transmitting ERP (watts)	104.850	46.830	5.630	0.290	0.240	0.280	6.030	49.040

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)	164.300	145.800	148.800	118.100	136.500	132.100	154.800	164.500
Transmitting ERP (watts)	0.560	13.820	74.230	95.620	25.740	2.460	0.240	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)	164.300	145.800	148.800	118.100	136.500	132.100	154.800	164.500
Transmitting ERP (watts)	0.930	0.240	0.280	2.040	27.580	95.620	74.230	12.320

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
6	36-46-32.1 N	086-33-56.0 W	206.3	91.1	1043041

Address: 2.4 KM NORTH OF

City: FRANKLIN County: SIMPSON 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)	78.700	81.100	68.500	56.000	56.400	56.600	64.300	64.200
Transmitting ERP (watts)	144.730	63.540	7.340	0.360	0.300	0.380	8.420	66.540

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	78.700	81.100	68.500	56.000	56.400	56.600	64.300	64.200
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)	78.700	81.100	68.500	56.000	56.400	56.600	64.300	64.200
Transmitting ERP (watts)	1.280	0.300	0.390	2.690	30.220	88.150	70.900	14.430

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
7	37-03-33.7 N	087-01-50.4 W	200.0	77.7	1266950

Address: Lake Malone, 1038 Heltsley Road

City: Lewisburg County: LOGAN 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)	120.200	116.000	119.100	120.900	103.100	89.400	78.300	104.000
Transmitting ERP (watts)	102.840	191.490	71.150	7.980	0.430	0.450	0.570	14.860

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	120.200	116.000	119.100	120.900	103.100	89.400	78.300	104.000
Transmitting ERP (watts)	0.570	14.860	102.840	191.490	71.150	7.980	0.430	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)	120.200	116.000	119.100	120.900	103.100	89.400	78.300	104.000
Transmitting ERP (watts)	3.330	0.430	0.500	1.560	31.780	148.650	162.990	36.490

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
8	36-47-11.0 N	086-08-35.3 W	253.3	91.1	1043039

Address: 4.8 KM NORTHEAST OF

City: SCOTTSVILLE County: ALLEN 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)	151.400	124.900	113.700	118.200	77.200	108.300	128.800	139.000
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)	151.400	124.900	113.700	118.200	77.200	108.300	128.800	139.000
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)	151.400	124.900	113.700	118.200	77.200	108.300	128.800	139.000
Transmitting ERP (watts)	1.050	0.260	0.310	2.290	30.940	107.290	83.280	13.820

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
9	37-53-45.0 N	086-49-51.0 W	164.5	65.6	1043711

Address: OLD LEWISPORT OWENSBORO RD, 7.6 KM WEST OF

City: HAWESVILLE County: HANCOCK 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)	81.600	79.800	95.100	59.500	72.200	82.700	89.400	93.100
Transmitting ERP (watts)	7.600	61.740	131.990	58.960	7.090	0.360	0.300	0.350

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.600	79.800	95.100	59.500	72.200	82.700	89.400	93.100
Transmitting ERP (watts)	0.300	0.340	0.710	17.400	93.440	120.380	32.400	3.090

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)	81.600	79.800	95.100	59.500	72.200	82.700	89.400	93.100
Transmitting ERP (watts)	93.440	15.510	1.180	0.300	0.350	2.570	34.720	120.380

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
10	37-16-52.0 N	087-06-06.0 W	150.0	128.0	1043038

Address: 0.4 MI. EAST OF INTERCHANGE OF 58 & W. KY PKWY; IMMED. ESE OF

City: CENTRAL CITY County: MUHLENBERG 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)	126.500	101.500	105.400	104.300	100.200	87.900	94.300	112.900
Transmitting ERP (watts)	50.380	128.750	66.660	8.640	0.500	0.260	0.330	5.430

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)	126.500	101.500	105.400	104.300	100.200	87.900	94.300	112.900
Transmitting ERP (watts)	0.300	0.480	13.100	80.300	122.700	38.140	3.840	0.260

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	126.500	101.500	105.400	104.300	100.200	87.900	94.300	112.900
Transmitting ERP (watts)	18.570	1.520	0.260	0.340	1.630	26.900	108.950	99.160

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
11	37-27-33.0 N	086-17-41.0 W	220.7	128.0	1043037

Address: 0.8 KM SSE OF INT OF W KY PKWY & SR-259

City: LEITCHFIELD County: GRAYSON 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)	136.500	139.400	136.800	139.500	172.500	127.300	136.600	156.800
Transmitting ERP (watts)	92.370	12.750	0.300	0.450	0.200	0.420	3.510	48.480

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)	136.500	139.400	136.800	139.500	172.500	127.300	136.600	156.800
Transmitting ERP (watts)	3.700	26.630	74.790	73.070	22.660	3.610	0.490	0.490

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)	136.500	139.400	136.800	139.500	172.500	127.300	136.600	156.800
Transmitting ERP (watts)	2.080	0.820	0.770	7.520	42.060	84.790	55.750	12.610

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
12	37-59-17.0 N	086-08-53.0 W	202.4	61.0	1043036

Address: 1.6 km ESE of

City: BRANDENBURG County: MEADE 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)	82.800	58.900	109.700	63.200	40.600	55.600	61.600	100.400
Transmitting ERP (watts)	0.480	12.480	87.870	162.090	56.190	6.380	0.330	0.360

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)	82.800	58.900	109.700	63.200	40.600	55.600	61.600	100.400
Transmitting ERP (watts)	5.570	0.500	0.330	0.330	4.740	24.940	42.710	26.730

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
13	37-24-41.0 N	086-32-12.0 W	233.5	128.0	1043035

Address: 3.2 KM WEST SOUTHWEST OF

City: CANEYVILLE County: GRAYSON 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)	136.900	135.600	147.900	125.100	152.900	161.200	146.000	164.600
Transmitting ERP (watts)	202.510	94.240	14.690	1.160	1.000	8.520	44.320	169.340

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
13	37-24-41.0 N	086-32-12.0 W	233.5	128.0	1043035

Address: 3.2 KM WEST SOUTHWEST OF

City: CANEYVILLE County: GRAYSON 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)	136.900	135.600	147.900	125.100	152.900	161.200	146.000	164.600
Transmitting ERP (watts)	20.040	101.220	204.390	162.460	34.720	3.620	0.410	2.990

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)	136.900	135.600	147.900	125.100	152.900	161.200	146.000	164.600
Transmitting ERP (watts)	4.910	0.410	2.960	14.520	88.120	204.810	176.590	43.820

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
14	36-55-48.0 N	086-56-27.0 W	207.9	60.7	

Address: 6.4 KM SOUTH OF

City: LEWISBURG County: LOGAN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	116.400	93.400	82.400	74.500	68.800	70.800	79.200	98.300
Transmitting ERP (watts)	113.650	147.250	38.070	3.570	0.330	0.410	0.870	21.280

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	116.400	93.400	82.400	74.500	68.800	70.800	79.200	98.300
Transmitting ERP (watts)	0.430	3.180	42.710	147.250	113.650	18.120	1.350	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)	116.400	93.400	82.400	74.500	68.800	70.800	79.200	98.300
Transmitting ERP (watts)	8.230	0.410	0.330	0.420	9.450	74.650	162.390	71.290

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
15	36-59-27.0 N	086-26-29.0 W	160.9	79.3	1201033

Address: 537 10th Street at Chestnut Street

City: BOWLING GREEN County: WARREN 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)	60.100	54.500	67.300	54.300	51.400	51.700	45.400	61.600
Transmitting ERP (watts)	162.390	71.290	8.230	0.410	0.330	0.420	9.450	74.650

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
15	36-59-27.0 N	086-26-29.0 W	160.9	79.3	1201033

Address: 537 10th Street at Chestnut Street

City: BOWLING GREEN County: WARREN 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)	60.100	54.500	67.300	54.300	51.400	51.700	45.400	61.600
Transmitting ERP (watts)	0.310	2.780	58.870	89.730	12.030	0.400	0.310	0.310

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	60.100	54.500	67.300	54.300	51.400	51.700	45.400	61.600
Transmitting ERP (watts)	0.310	0.310	0.310	0.460	21.160	106.060	35.940	1.760

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
16	36-50-40.2 N	087-12-42.0 W	256.6	60.7	

Address: 5.8 KM NW OF

City: ELKTON County: TODD 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	95.500	91.800	117.800	119.100	128.800	118.300	103.200
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)	102.100	95.500	91.800	117.800	119.100	128.800	118.300	103.200
Transmitting ERP (watts)	0.940	15.530	144.900	372.460	200.020	26.370	1.550	0.840

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	95.500	91.800	117.800	119.100	128.800	118.300	103.200
Transmitting ERP (watts)	4.170	0.300	0.320	0.500	13.510	83.280	126.050	39.860

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
17	37-32-55.4 N	087-16-05.4 W	140.2	93.0	1244911

Address: 235 WEST KY 136

City: CALHOUN County: MCLEAN 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)	81.300	91.000	88.000	100.800	95.300	104.000	105.400	89.700
Transmitting ERP (watts)	30.940	106.670	82.330	13.120	0.980	0.240	0.310	2.310

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
17	37-32-55.4 N	087-16-05.4 W	140.2	93.0	1244911

Address: 235 WEST KY 136

City: CALHOUN County: MCLEAN 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)	81.300	91.000	88.000	100.800	95.300	104.000	105.400	89.700
Transmitting ERP (watts)	0.240	0.310	6.850	54.080	117.640	51.650	5.960	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)	81.300	91.000	88.000	100.800	95.300	104.000	105.400	89.700
Transmitting ERP (watts)	27.580	2.590	0.240	0.300	0.630	15.420	82.330	106.670

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
18	37-38-33.2 N	086-42-46.0 W	210.3	60.7	

Address: 6 KM EAST OF

City: FORDSVILLE County: OHIO 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)	84.000	65.700	96.800	89.400	105.200	118.300	113.200	109.900
Transmitting ERP (watts)	144.730	63.540	7.340	0.360	0.300	0.380	8.420	66.540

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.000	65.700	96.800	89.400	105.200	118.300	113.200	109.900
Transmitting ERP (watts)	0.780	18.970	101.290	131.240	33.930	3.180	0.300	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)	84.000	65.700	96.800	89.400	105.200	118.300	113.200	109.900
Transmitting ERP (watts)	1.200	0.300	0.390	2.840	38.070	131.240	101.290	16.150

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
19	38-00-08.4 N	086-19-20.3 W	237.4	103.9	1049227

Address: 1.2 km Northwest of

City: PAYNEVILLE County: MEADE 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)	115.700	125.400	135.500	103.300	111.300	123.300	141.900	137.900
Transmitting ERP (watts)	172.880	116.290	19.640	1.990	0.530	4.460	28.140	120.910

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
19	38-00-08.4 N	086-19-20.3 W	237.4	103.9	1049227

Address: 1.2 km Northwest of

City: PAYNEVILLE County: MEADE 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)	115.700	125.400	135.500	103.300	111.300	123.300	141.900	137.900
Transmitting ERP (watts)	8.740	48.710	165.560	182.540	70.320	9.950	0.770	1.160

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)	115.700	125.400	135.500	103.300	111.300	123.300	141.900	137.900
Transmitting ERP (watts)	4.430	0.370	2.670	13.090	79.440	184.650	159.200	39.500

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
20	37-11-25.0 N	087-11-51.0 W	182.9	66.4	1065886

Address: 701 BASS LANE

City: GREENVILLE County: MUHLENBERG State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.800	96.500	95.100	84.500	77.800	98.000	117.300	91.200
Transmitting ERP (watts)	155.980	120.380	19.190	1.430	0.350	0.460	3.370	45.240

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)	103.800	96.500	95.100	84.500	77.800	98.000	117.300	91.200
Transmitting ERP (watts)	0.510	13.220	93.080	171.700	62.700	6.760	0.350	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)	103.800	96.500	95.100	84.500	77.800	98.000	117.300	91.200
Transmitting ERP (watts)	2.800	0.350	0.450	1.400	28.440	135.320	145.300	31.240

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
21	37-11-39.2 N	086-15-53.9 W	213.4	52.0	

Address: WATER TOWER ROAD

City: BROWNSVILLE County: EDMONSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.000	44.100	63.000	60.300	76.600	76.200	93.300	97.400
Transmitting ERP (watts)	331.960	148.280	17.830	0.910	0.740	0.870	19.100	155.270

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
21	37-11-39.2 N	086-15-53.9 W	213.4	52.0	

Address: WATER TOWER ROAD

City: BROWNSVILLE County: EDMONSON 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)	69.000	44.100	63.000	60.300	76.600	76.200	93.300	97.400
Transmitting ERP (watts)	1.780	43.760	235.010	302.750	81.490	7.780	0.740	0.850

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.000	44.100	63.000	60.300	76.600	76.200	93.300	97.400
Transmitting ERP (watts)	2.960	0.740	0.870	6.470	87.310	302.750	235.010	39.000

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
22	36-40-28.0 N	086-51-30.0 W	192.9	38.1	

Address: WITHIN THE TOWN OF

City: ADAIRVILLE County: LOGAN 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)	35.900	37.000	29.900	34.100	29.900	40.700	57.000	48.700
Transmitting ERP (watts)	148.100	65.400	7.600	0.390	0.300	0.430	8.720	70.070

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)	35.900	37.000	29.900	34.100	29.900	40.700	57.000	48.700
Transmitting ERP (watts)	1.830	30.180	122.250	111.260	20.840	1.700	0.300	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)	35.900	37.000	29.900	34.100	29.900	40.700	57.000	48.700
Transmitting ERP (watts)	2.360	0.300	0.370	1.180	23.930	113.860	122.250	26.290

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
23	37-13-17.0 N	086-42-02.0 W	190.8	57.9	

Address: Morgantown Downtown, Approx 1.5 KM (1.0 MI) ENE OF

City: MORGANTOWN County: BUTLER 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)	102.300	72.100	81.900	88.300	85.600	94.300	111.800	102.700
Transmitting ERP (watts)	42.710	147.250	113.650	18.120	1.350	0.330	0.430	3.180

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
23	37-13-17.0 N	086-42-02.0 W	190.8	57.9	

Address: Morgantown Downtown, Approx 1.5 KM (1.0 MI) ENE OF

City: MORGANTOWN County: BUTLER 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)	102.300	72.100	81.900	88.300	85.600	94.300	111.800	102.700
Transmitting ERP (watts)	0.330	0.420	9.450	74.650	162.390	71.290	8.230	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)	102.300	72.100	81.900	88.300	85.600	94.300	111.800	102.700
Transmitting ERP (watts)	38.070	3.570	0.330	0.410	0.870	21.280	113.650	147.250

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
24	37-38-30.2 N	086-28-14.9 W	202.7	50.2	

Address: Rough River, 9.5KM (6.0 MI) SW OF

City: KINGSWOOD County: BRECKINRIDGE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	43.600	58.600	57.500	57.700	60.100	89.000	70.700	65.400
Transmitting ERP (watts)	264.330	116.050	13.400	0.660	0.540	0.690	15.390	121.520

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)	43.600	58.600	57.500	57.700	60.100	89.000	70.700	65.400
Transmitting ERP (watts)	1.420	34.650	184.990	239.690	61.970	5.820	0.540	0.670

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	43.600	58.600	57.500	57.700	60.100	89.000	70.700	65.400
Transmitting ERP (watts)	2.200	0.540	0.700	5.180	69.530	239.690	184.990	29.490

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
25	36-51-02.0 N	086-42-26.0 W	198.1	59.4	

Address: JCT. SR-103 & SR-603, APPROX. 3.2 KM SW OF

City: AUBURN County: LOGAN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.200	65.800	54.700	38.200	54.400	60.300	51.100	56.100
Transmitting ERP (watts)	124.760	162.210	90.940	14.810	1.300	0.640	5.680	30.740

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
25	36-51-02.0 N	086-42-26.0 W	198.1	59.4	

Address: JCT. SR-103 & SR-603, APPROX. 3.2 KM SW OF

City: AUBURN County: LOGAN 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)	61.200	65.800	54.700	38.200	54.400	60.300	51.100	56.100
Transmitting ERP (watts)	1.480	8.260	53.490	159.390	161.650	53.380	6.730	0.530

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.200	65.800	54.700	38.200	54.400	30.300	51.100	56.100
Transmitting ERP (watts)	41.260	4.310	0.490	3.550	23.820	120.300	242.920	193.090

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
26	37-23-00.0 N	086-52-28.0 W	163.4	125.3	1043042

Address: 1.6 KM SSE

City: BEAVER DAM County: OHIO 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)	127.600	102.300	92.500	117.700	113.600	112.400	112.300	132.200
Transmitting ERP (watts)	3.020	33.930	100.130	64.650	9.650	0.650	0.240	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)	127.600	102.300	92.500	117.700	113.600	112.400	112.300	132.200
Transmitting ERP (watts)	0.240	0.250	0.310	8.140	56.310	104.850	38.950	4.370

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)	127.600	102.300	92.500	117.700	113.600	112.400	112.300	132.200
Transmitting ERP (watts)	100.130	31.660	3.320	0.240	0.260	0.400	10.730	66.150

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
27	37-02-39.4 N	086-10-59.9 W	212.8	106.4	1213318

Address: 470 Hayes Road

City: Smiths Grove County: WARREN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	101.300	97.700	91.800	90.100	117.500	131.500	124.400	116.400
Transmitting ERP (watts)	96.880	58.040	4.690	0.270	0.190	0.360	4.280	56.720

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
27	37-02-39.4 N	086-10-59.9 W	212.8	106.4	1213318

Address: 470 Hayes Road

City: Smiths Grove County: WARREN 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)	101.600	97.700	91.800	90.100	117.500	131.500	124.400	116.400
Transmitting ERP (watts)	0.970	16.520	117.640	131.230	43.210	2.250	0.300	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)	101.600	97.700	91.800	90.100	117.500	131.500	124.400	116.400
Transmitting ERP (watts)	0.570	0.190	0.210	1.560	29.210	92.910	81.390	12.800

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
28	36-44-52.5 N	086-11-51.7 W	219.4	77.7	1219613

Address: Downtown

City: Scottsville County: ALLEN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	85.000	66.900	61.300	43.400	61.400	63.100	73.600	85.500
Transmitting ERP (watts)	148.300	99.760	16.850	1.700	0.460	3.820	24.140	103.720

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)	85.000	66.900	61.300	43.400	61.400	63.100	73.600	85.500
Transmitting ERP (watts)	7.500	41.790	142.020	156.580	60.320	8.540	0.660	0.990

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	85.000	66.900	61.300	43.400	61.400	63.100	73.600	85.500
Transmitting ERP (watts)	3.800	0.320	2.290	11.230	68.150	158.400	136.570	33.890

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
29	37-52-14.6 N	086-16-43.1 W	243.8	39.6	

Address: Irvington WT, 1.0 km ESE of

City: Irvington County: BRECKINRIDGE 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)	72.800	71.900	56.800	59.600	69.700	80.000	110.200	67.900
Transmitting ERP (watts)	47.930	165.220	127.520	20.330	1.520	0.370	0.480	3.570

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
29	37-52-14.6 N	086-16-43.1 W	243.8	39.6	

Address: Irvington WT, 1.0 km ESE of

City: Irvington County: BRECKINRIDGE 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)	72.800	71.900	56.800	59.600	69.700	80.000	110.200	67.900
Transmitting ERP (watts)	0.370	0.480	10.610	83.760	182.210	79.990	9.240	0.460

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	72.800	71.900	56.800	59.600	69.700	80.000	110.200	67.900
Transmitting ERP (watts)	42.710	4.010	0.370	0.460	0.980	23.880	127.520	165.220

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
30	37-56-31.2 N	086-03-37.8 W	193.5	77.7	1221515

Address: 0.8 km North Northwest of

City: Licksillet County: MEADE 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)	63.900	127.200	65.800	54.400	36.100	30.500	59.300	102.600
Transmitting ERP (watts)	61.740	82.330	23.470	2.370	0.260	0.260	0.510	11.360

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)	63.900	127.200	65.800	54.400	36.100	30.500	59.300	102.600
Transmitting ERP (watts)	0.380	3.220	20.310	87.270	124.780	83.940	14.180	1.430

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)	63.900	127.200	65.800	54.400	36.100	30.500	59.300	102.600
Transmitting ERP (watts)	14.180	1.430	0.380	3.220	20.310	87.270	124.780	83.940

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
31	36-57-06.0 N	086-26-12.0 W	166.1	16.8	

Address: Downtown

City: Bowling Green County: WARREN 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)	124.780	83.940	14.180	1.430	0.380	3.220	20.310	87.270

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
31	36-57-06.0 N	086-26-12.0 W	166.1	16.8	

Address: Downtown

City: Bowling Green County: WARREN 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)	29.900	29.900	29.900	29.900	29.900	29.900	29.900	29.900
Transmitting ERP (watts)	6.310	35.160	119.490	131.750	50.750	7.180	0.550	0.830

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)	3.200	0.270	1.930	9.450	57.340	133.270	114.910	28.510

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
32	37-59-31.1 N	086-11-44.3 W	187.7	77.7	1232593

Address: 1.6 km West of

City: Brandenburg County: MEADE 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)	58.400	56.600	82.400	34.400	36.100	41.000	40.100	67.700
Transmitting ERP (watts)	9.710	60.570	96.350	32.270	3.500	0.300	0.300	0.420

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)	58.400	56.600	82.400	34.400	36.100	41.000	40.100	67.700
Transmitting ERP (watts)	0.300	0.380	8.420	66.540	144.730	63.540	7.340	0.360

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)	58.400	56.600	82.400	34.400	36.100	41.000	40.100	67.700
Transmitting ERP (watts)	28.390	3.310	0.300	0.380	0.830	17.510	70.860	87.550

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
33	37-56-46.1 N	085-59-38.4 W	222.8	57.3	1200354

Address: 115 Timber Ct.

City: Muldraugh County: MEADE 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)	84.500	85.900	93.700	56.800	54.600	40.300	67.400	81.700
Transmitting ERP (watts)	57.050	54.960	17.180	1.960	0.330	0.430	1.840	21.320

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
33	37-56-46.1 N	085-59-38.4 W	222.8	57.3	1200354

Address: 115 Timber Ct.

City: Muldraugh County: MEADE 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)	84.500	85.900	93.700	56.800	54.600	40.300	67.400	81.700
Transmitting ERP (watts)	0.380	0.800	19.520	104.850	135.070	36.350	3.470	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)	84.500	85.900	93.700	56.800	54.600	40.300	67.400	81.700
Transmitting ERP (watts)	2.570	0.330	0.390	1.200	24.580	114.960	156.050	28.220

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
34	37-46-03.7 N	086-26-10.4 W	219.5	45.7	

Address: Hardinsburg Water Tank, 3.0 km SE of

City: Hardinsburg County: BRECKINRIDGE 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)	77.900	54.500	36.600	52.000	74.200	60.600	78.300	83.900
Transmitting ERP (watts)	182.210	79.990	9.240	0.460	0.370	0.480	10.610	83.760

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	77.900	54.500	36.600	52.000	74.200	60.600	78.300	83.900
Transmitting ERP (watts)	0.980	23.880	127.520	165.220	42.710	4.010	0.370	0.460

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	77.900	54.500	36.600	52.000	74.200	60.600	78.300	83.900
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.
35	36-42-08.6 N	086-33-19.0 W	217.0	114.3	1200032

Address: Franklin South, Turners Ford Road

City: Franklin County: SIMPSON 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)	75.500	67.800	58.900	47.700	34.900	56.000	62.700	57.000
Transmitting ERP (watts)	8.520	69.270	148.100	66.150	7.950	0.410	0.330	0.390

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
35	36-42-08.6 N	086-33-19.0 W	217.0	114.3	1200032

Address: Franklin South, Turners Ford Road

City: Franklin County: SIMPSON 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)	75.500	67.800	58.900	47.700	34.900	56.000	62.700	57.000
Transmitting ERP (watts)	0.620	0.330	0.370	6.170	57.620	148.100	79.530	10.480

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)	75.500	67.800	58.900	47.700	34.900	56.000	62.700	57.000
Transmitting ERP (watts)	126.050	28.220	2.570	0.330	0.390	1.200	24.580	114.960

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
36	36-44-58.7 N	087-01-10.9 W	179.8	37.5	

Address: Russellville Southwest, 0.8 km SW of

City: Olmstead County: LOGAN 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	31.500	45.900	38.200	39.100	29.900	29.900
Transmitting ERP (watts)	124.780	83.940	14.180	1.430	0.380	3.220	20.310	87.270

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)	29.900	29.900	31.500	45.900	38.200	39.100	29.900	29.900
Transmitting ERP (watts)	6.310	35.160	119.490	131.750	50.750	7.180	0.550	0.830

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	31.500	45.900	38.200	39.100	29.900	29.900
Transmitting ERP (watts)	3.200	0.270	1.930	9.450	57.340	133.270	114.910	28.510

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
37	36-49-37.9 N	086-18-51.3 W	192.0	77.7	1232590

Address: Allen Northwest cell, 13.7 km Northwest of

City: Scottsville County: ALLEN 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)	91.800	102.800	60.100	49.200	58.900	71.000	89.900	100.000
Transmitting ERP (watts)	0.540	4.010	53.770	185.380	143.070	22.810	1.700	0.420

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
37	36-49-37.9 N	086-18-51.3 W	192.0	77.7	1232590

Address: Allen Northwest cell, 13.7 km Northwest of

City: Scottsville County: ALLEN 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)	91.800	102.800	60.100	49.200	58.900	71.000	89.900	100.000
Transmitting ERP (watts)	0.400	0.290	0.290	0.290	5.380	93.450	104.850	10.250

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	91.800	102.800	60.100	49.200	58.900	71.000	89.900	100.000
Transmitting ERP (watts)	211.380	60.790	7.140	0.540	2.800	11.880	85.700	226.550

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
38	36-55-15.1 N	086-25-38.5 W	171.0	62.5	1210120

Address: 1140 Three Springs Road

City: Bowling Green County: WARREN 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)	62.400	67.900	45.500	40.600	40.900	36.000	40.900	56.100
Transmitting ERP (watts)	41.740	24.340	4.420	0.400	0.330	0.330	3.510	21.690

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	62.400	67.900	45.500	40.600	40.900	36.000	40.900	56.100
Transmitting ERP (watts)	0.870	21.280	113.650	147.250	38.070	3.570	0.330	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)	62.400	67.900	45.500	40.600	40.900	36.000	40.900	56.100
Transmitting ERP (watts)	1.130	0.260	0.370	2.600	30.680	93.270	73.680	13.650

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
39	36-49-54.5 N	086-29-39.3 W	192.6	66.1	1202759

Address: Warren South, 3184 Woodburn-Allen Springs Road

City: Woodburn County: WARREN 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)	58.500	58.500	57.100	39.300	32.800	33.900	35.000	49.400
Transmitting ERP (watts)	157.120	103.520	17.130	1.570	0.350	3.440	23.000	104.220

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
39	36-49-54.5 N	086-29-39.3 W	192.6	66.1	1202759

Address: Warren South, 3184 Woodburn-Allen Springs Road

City: Woodburn County: WARREN 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)	58.500	58.500	57.100	39.300	32.800	33.900	35.000	49.400
Transmitting ERP (watts)	6.890	41.510	144.360	164.760	61.880	8.540	0.570	0.780

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)	58.500	58.500	57.100	39.300	32.800	33.900	35.000	49.400
Transmitting ERP (watts)	0.610	0.310	0.310	0.310	2.120	58.290	121.780	19.300

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
40	37-03-19.5 N	086-35-24.6 W	184.4	67.1	1219414

Address: Warren Northwest cell, Old Morgantown Road

City: Bowling Green County: WARREN 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)	91.800	71.100	64.500	67.200	57.900	67.700	67.900	70.300
Transmitting ERP (watts)	0.430	11.130	78.320	144.460	52.750	5.690	0.300	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)	91.800	71.100	64.500	67.200	57.900	67.700	67.900	70.300
Transmitting ERP (watts)	0.560	0.300	0.370	6.090	56.530	144.460	74.790	9.690

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	91.800	71.100	64.500	67.200	57.900	67.700	67.900	70.300
Transmitting ERP (watts)	101.290	16.150	1.200	0.300	0.390	2.840	38.070	131.240

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
41	37-08-05.9 N	087-01-05.2 W	187.8	77.7	1278320

Address: Muhlenberg South, 21 Myers Chapel Road

City: Belton County: MUHLENBERG 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)	110.500	126.100	111.400	114.500	86.400	73.900	100.200	112.200
Transmitting ERP (watts)	124.780	83.940	14.180	1.430	0.380	3.220	20.310	87.270

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
41	37-08-05.9 N	087-01-05.2 W	187.8	77.7	1278320

Address: Muhlenberg South, 21 Myers Chapel Road

City: Belton County: MUHLENBERG 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)	110.500	126.100	111.400	114.500	86.400	73.900	100.200	112.200
Transmitting ERP (watts)	6.310	35.160	119.490	131.750	50.750	7.180	0.550	0.830

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)	110.500	126.100	111.400	114.500	86.400	73.900	100.200	112.200
Transmitting ERP (watts)	3.200	0.270	1.930	9.450	57.340	133.270	114.910	28.510

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
42	37-00-06.1 N	086-19-52.5 W	161.2	77.4	1207196

Address: Bowling Green Corvette site, 1188 Red Pond Road

City: Bowling Green County: WARREN 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)	48.300	48.300	47.300	66.500	54.700	68.100	79.200	59.700
Transmitting ERP (watts)	149.820	65.780	7.600	0.370	0.310	0.390	8.720	68.880

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	48.300	48.300	47.300	66.500	54.700	68.100	79.200	59.700
Transmitting ERP (watts)	0.850	18.620	85.580	108.340	31.760	3.380	0.310	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)	48.300	48.300	47.300	66.500	54.700	68.100	79.200	59.700
Transmitting ERP (watts)	1.320	0.310	0.430	3.020	35.640	108.340	85.580	15.850

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
43	37-50-10.4 N	086-35-44.7 W	225.6	77.7	1242951

Address: Breckinridge West, 1.6 km ENE of

City: Cloverport County: BRECKINRIDGE 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)	138.300	128.300	120.400	132.900	123.200	133.200	139.400	156.600
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: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
43	37-50-10.4 N	086-35-44.7 W	225.6	77.7	1242951

Address: Breckinridge West, 1.6 km ENE of

City: Cloverport County: BRECKINRIDGE 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)	138.300	128.300	120.400	132.900	123.200	133.200	139.400	156.600
Transmitting ERP (watts)	0.310	2.290	30.940	107.290	83.280	13.820	1.050	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)	138.300	128.300	120.400	132.900	123.200	133.200	139.400	156.600
Transmitting ERP (watts)	4.400	0.370	0.370	0.530	12.230	76.250	121.300	40.630

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
44	37-51-15.4 N	086-06-03.2 W	303.9	67.4	1042711

Address: Garrett, State Road 44 (092010 / Fort Knox)

City: FORT KNOX County: MEADE 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)	153.600	154.600	149.600	132.900	121.400	131.200	143.100	146.300
Transmitting ERP (watts)	79.530	54.370	13.580	1.630	0.410	3.580	18.240	54.730

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)	153.600	154.600	149.600	132.900	121.400	131.200	143.100	146.300
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)	153.600	154.600	149.600	132.900	121.400	131.200	143.100	146.300
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.
45	37-52-54.4 N	086-12-42.9 W	274.3	29.0	

Address: Meade South, 1.4 km southeast of

City: Guston County: MEADE 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)	109.800	103.800	82.400	63.100	79.200	105.900	114.800	76.100
Transmitting ERP (watts)	4.970	37.720	85.280	49.710	8.130	0.540	0.260	0.330

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
45	37-52-54.4 N	086-12-42.9 W	274.3	29.0	

Address: Meade South, 1.4 km southeast of

City: Guston County: MEADE 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)	109.800	103.800	82.400	63.100	79.200	105.900	114.800	76.100
Transmitting ERP (watts)	1.870	0.260	0.280	0.860	17.310	81.910	91.780	21.270

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)	109.800	103.800	82.400	63.100	79.200	105.900	114.800	76.100
Transmitting ERP (watts)	67.960	31.280	4.680	0.260	0.300	0.380	7.690	41.430

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
46	36-54-15.9 N	086-36-29.1 W	202.7	83.8	1200363

Address: Warren-Logan cell, 11372 Russellville Road

City: Rockfield County: WARREN 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)	105.100	84.600	84.000	77.200	66.700	61.500	67.700	81.100
Transmitting ERP (watts)	19.380	98.240	108.110	44.550	2.720	0.270	0.230	1.010

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	105.100	84.600	84.000	77.200	66.700	61.500	67.700	81.100
Transmitting ERP (watts)	0.270	0.270	5.300	90.270	100.820	9.580	0.400	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)	105.100	84.600	84.000	77.200	66.700	61.500	67.700	81.100
Transmitting ERP (watts)	0.880	0.230	0.310	2.530	42.550	110.630	96.000	20.290

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
47	37-24-19.0 N	086-42-17.0 W	199.9	94.5	1213965

Address: Ohio West, 3893 State Route 505 South

City: Horse Branch County: OHIO 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)	112.900	104.700	91.700	117.300	127.400	134.600	135.400	100.900
Transmitting ERP (watts)	117.640	63.170	8.330	0.490	0.260	0.300	4.900	45.770

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
47	37-24-19.0 N	086-42-17.0 W	199.9	94.5	1213965

Address: Ohio West, 3893 State Route 505 South

City: Horse Branch County: OHIO 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)	112.900	104.700	91.700	117.300	127.400	134.600	135.400	100.900
Transmitting ERP (watts)	1.260	33.960	209.410	316.960	100.230	10.500	0.740	0.810

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)	112.900	104.700	91.700	117.300	127.400	134.600	135.400	100.900
Transmitting ERP (watts)	1.480	0.260	0.310	1.480	24.580	100.120	93.440	17.800

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
48	36-57-24.8 N	086-28-42.2 W	167.0	84.1	1056469

Address: 3090 Fitzgerald Industrial Drive

City: Bowling Green County: WARREN 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	63.700	65.900	62.600	44.100	41.900	36.500	59.500
Transmitting ERP (watts)	61.180	69.730	7.330	0.310	0.310	0.310	0.310	3.930

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)	71.400	63.700	65.900	62.600	44.100	41.900	36.500	59.500
Transmitting ERP (watts)	0.310	2.460	45.980	65.510	8.220	0.390	0.310	0.310

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	71.400	63.700	65.900	62.600	44.100	41.900	36.500	59.500
Transmitting ERP (watts)	1.080	0.260	0.280	1.840	17.800	47.490	39.840	10.320

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
49	36-49-53.1 N	086-54-51.9 W	253.9	78.6	1043422

Address: RUSSELLVILLE WEST, 0.64 KM NORTH OF HWY 79, 0.16 KM WEST OF HWY 68 BYPASS

City: LEWISBURG County: LOGAN 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)	107.500	100.000	79.700	100.100	113.000	110.200	90.700	106.900
Transmitting ERP (watts)	151.070	101.210	20.030	2.250	0.630	5.060	28.690	105.230

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
49	36-49-53.1 N	086-54-51.9 W	253.9	78.6	1043422

Address: RUSSELLVILLE WEST, 0.64 KM NORTH OF HWY 79, 0.16 KM WEST OF HWY 68 BYPASS

City: LEWISBURG County: LOGAN 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)	107.500	100.000	79.700	100.100	113.000	110.200	90.700	106.900
Transmitting ERP (watts)	9.170	55.270	192.200	219.360	82.390	11.370	0.760	1.030

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)	107.500	100.000	79.700	100.100	113.000	110.200	90.700	106.900
Transmitting ERP (watts)	4.520	0.380	2.720	13.340	81.000	188.260	162.320	40.280

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
50	37-05-38.9 N	086-25-49.5 W	217.6	103.6	1232131

Address: Richardsville, 604 Scroggins Road

City: Bowling Green County: WARREN 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	97.200	74.500	103.300	110.500	127.000	127.000	111.000
Transmitting ERP (watts)	144.730	63.540	7.340	0.360	0.300	0.380	8.420	66.540

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.300	97.200	74.500	103.300	110.500	100.500	127.000	111.000
Transmitting ERP (watts)	0.780	18.970	101.290	131.240	33.930	3.180	0.300	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)	108.300	97.200	74.500	103.300	110.500	100.500	127.000	111.000
Transmitting ERP (watts)	1.200	0.300	0.390	2.840	38.070	131.240	101.290	16.150

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
51	37-31-30.4 N	086-55-04.2 W	195.7	97.8	1214609

Address: Beda, 729 Sherwood Drive

City: Hartford County: OHIO 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)	107.800	100.300	110.100	108.400	122.200	117.000	103.100	107.200
Transmitting ERP (watts)	38.070	131.240	101.290	16.150	1.200	0.300	0.390	2.840

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
51	37-31-30.4 N	086-55-04.2 W	195.7	97.8	1214609

Address: Beda, 729 Sherwood Drive

City: Hartford County: OHIO 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)	107.800	100.300	110.100	108.400	122.200	117.000	103.100	107.200
Transmitting ERP (watts)	0.340	0.540	14.700	90.110	137.670	42.790	4.300	0.300

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.800	100.300	110.100	108.400	122.200	117.000	103.100	107.200
Transmitting ERP (watts)	52.750	5.690	0.300	0.320	0.430	11.130	78.320	144.460

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
52	37-29-36.0 N	086-11-16.5 W	221.9	83.8	1217206

Address: Braton Road

City: Clarkson County: GRAYSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.100	57.600	68.100	71.000	82.900	101.700	77.300	93.100
Transmitting ERP (watts)	23.930	113.860	122.250	26.290	2.360	0.300	0.370	1.180

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.100	57.600	68.100	71.000	82.900	101.700	77.300	93.100
Transmitting ERP (watts)	2.360	0.300	0.370	1.180	23.930	113.860	122.250	26.290

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)	80.100	57.600	68.100	71.000	82.900	101.700	77.300	93.100
Transmitting ERP (watts)	103.640	9.240	0.340	0.270	0.270	0.270	5.700	92.370

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
53	37-31-11.9 N	087-09-13.7 W	141.7	95.4	1018270

Address: 550 SCHNEIDER TANNER ROAD

City: LIVERMORE County: MCLEAN 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)	86.400	69.100	70.300	81.600	92.100	93.900	102.600	85.400
Transmitting ERP (watts)	73.900	149.230	118.620	25.350	2.650	0.300	2.180	14.630

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
53	37-31-11.9 N	087-09-13.7 W	141.7	95.4	1018270

Address: 550 SCHNEIDER TANNER ROAD

City: LIVERMORE County: MCLEAN 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)	86.400	69.100	70.300	81.600	92.100	93.900	102.600	85.400
Transmitting ERP (watts)	0.570	5.060	27.400	111.190	144.570	81.050	13.200	1.160

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)	86.400	69.100	70.300	81.600	92.100	93.900	102.600	85.400
Transmitting ERP (watts)	47.570	6.000	0.480	1.320	7.360	47.670	142.060	144.070

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
54	37-19-05.4 N	086-12-12.3 W	231.6	83.8	1235514

Address: Nolin Lake North, 1900 Dickey's Mill Road

City: Mammoth Cave County: EDMONSON 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)	93.200	91.500	87.800	91.400	103.800	115.800	129.600	104.400
Transmitting ERP (watts)	117.640	54.390	6.620	0.360	0.300	0.330	6.460	54.390

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	93.200	91.500	87.800	91.400	103.800	115.800	129.600	104.400
Transmitting ERP (watts)	3.300	11.570	54.260	67.250	19.880	3.340	0.340	0.490

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)	93.200	91.500	87.800	91.400	103.800	115.800	129.600	104.400
Transmitting ERP (watts)	1.110	0.300	0.320	2.200	30.710	107.710	83.920	14.420

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
55	36-40-20.5 N	086-15-11.1 W	239.6	60.7	

Address: Allen South, 371 Andrew Jackson Highway

City: Adolphus County: ALLEN 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)	87.000	70.200	64.700	57.200	44.500	66.500	82.700	88.700
Transmitting ERP (watts)	117.640	63.170	8.330	0.490	0.260	0.300	4.900	45.770

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
55	36-40-20.5 N	086-15-11.1 W	239.6	60.7	

Address: Allen South, 371 Andrew Jackson Highway

City: Adolphus County: ALLEN 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)	87.000	70.200	64.700	57.200	44.500	66.500	82.700	88.700
Transmitting ERP (watts)	0.490	8.150	38.780	44.150	11.680	1.200	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)	87.000	70.200	64.700	57.200	44.500	66.500	82.700	88.700
Transmitting ERP (watts)	4.900	0.260	0.280	0.350	9.130	63.170	117.640	43.710

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
56	36-42-03.8 N	086-23-15.8 W	226.2	77.7	1263047

Address: Alonzo, 4651 Perrytown Road

City: Franklin County: ALLEN 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)	114.500	97.300	87.900	75.000	66.000	77.000	88.300	100.400
Transmitting ERP (watts)	111.060	68.480	3.430	0.250	0.370	0.250	1.220	16.430

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)	114.500	97.300	87.900	75.000	66.000	77.000	88.300	100.400
Transmitting ERP (watts)	1.480	24.580	100.120	93.440	17.800	1.480	0.260	0.310

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.500	97.300	87.900	75.000	66.000	77.000	88.300	100.400
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.
57	36-53-20.1 N	086-12-48.7 W	203.9	77.7	1264536

Address: Allen North, 173 Ray Vernon Lane

City: Scottsville County: ALLEN 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)	94.400	87.800	105.100	69.200	68.400	92.400	105.300	118.000
Transmitting ERP (watts)	12.040	74.220	112.340	35.530	3.720	0.260	0.290	0.450

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
57	36-53-20.1 N	086-12-48.7 W	203.9	77.7	1264536

Address: Allen North, 173 Ray Vernon Lane

City: Scottsville County: ALLEN 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)	94.400	87.800	105.100	69.200	68.400	92.400	105.300	118.000
Transmitting ERP (watts)	0.260	0.310	1.480	24.580	100.120	93.440	17.800	1.480

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)	94.400	87.800	105.100	69.200	68.400	92.400	105.300	118.000
Transmitting ERP (watts)	63.170	8.330	0.490	0.260	0.300	4.900	45.770	117.640

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
58	37-07-58.9 N	086-13-12.8 W	197.8	77.7	1263384

Address: Edmonson South, 466 Rhea Road

City: Smiths Grove County: EDMONSON 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)	70.900	74.500	47.600	73.500	83.900	88.000	89.200	76.800
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)	70.900	74.500	47.600	73.500	83.900	88.000	89.200	76.800
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)	70.900	74.500	47.600	73.500	83.900	88.000	89.200	76.800
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.
59	37-13-31.0 N	086-07-40.6 W	262.1	58.0	

Address: Near entrance to Mammoth Cave Park

City: Mammoth Cave County: EDMONSON 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)	122.200	91.300	119.200	86.600	117.300	116.700	135.200	124.600
Transmitting ERP (watts)	170.670	78.910	9.600	0.520	0.430	0.480	9.380	78.910

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
59	37-13-31.0 N	086-07-40.6 W	262.1	58.0	

Address: Near entrance to Mammoth Cave Park

City: Mammoth Cave County: EDMONSON 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)	122.200	91.300	119.200	86.600	117.300	116.700	135.200	124.600
Transmitting ERP (watts)	0.920	21.900	118.970	156.260	43.540	4.210	0.430	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)	122.200	91.300	119.200	86.600	117.300	116.700	135.200	124.600
Transmitting ERP (watts)	1.600	0.430	0.470	3.190	44.550	156.260	121.750	20.910

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
60	37-23-49.1 N	087-08-43.7 W	135.0	94.2	1244765

Address: Bremen, 12849 Kentucky Highway

City: CENTRAL CITY County: MUHLENBERG State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.200	93.400	74.900	83.100	73.300	66.600	87.200	92.000
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)	90.200	93.400	74.900	83.100	73.300	66.600	87.200	92.000
Transmitting ERP (watts)	0.330	5.430	50.380	128.750	66.660	8.640	0.500	0.260

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.200	93.400	74.900	83.100	73.300	66.600	87.200	92.000
Transmitting ERP (watts)	3.840	0.260	0.300	0.480	13.100	80.300	122.700	38.140

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
61	37-57-06.1 N	086-24-38.3 W	260.0	96.3	1043429

Address: HWY 144, 4.8 KM (3 MILES) EAST OF

City: UNION STAR County: BRECKINRIDGE 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)	155.100	133.800	120.800	135.100	151.300	176.200	170.600	164.100
Transmitting ERP (watts)	100.130	64.650	9.560	0.650	0.240	0.270	3.020	33.930

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
61	37-57-06.1 N	086-24-38.3 W	260.0	96.3	1043429

Address: HWY 144, 4.8 KM (3 MILES) EAST OF

City: UNION STAR County: BRECKINRIDGE 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)	155.100	133.800	120.800	135.100	151.300	176.200	170.600	164.100
Transmitting ERP (watts)	0.310	8.140	56.310	104.850	38.950	4.370	0.240	0.250

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	155.100	133.800	120.800	135.100	151.300	176.200	170.600	164.100
Transmitting ERP (watts)	1.820	0.240	0.280	0.850	17.400	81.390	89.240	19.980

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
62	37-32-44.1 N	086-18-58.4 W	200.9	77.7	1258451

Address: 2408 Hanging Rock Road

City: Leitchfield County: GRAYSON 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)	75.500	84.400	70.100	67.400	67.900	86.700	82.300	95.400
Transmitting ERP (watts)	97.150	35.730	4.550	0.310	0.380	0.580	13.630	68.070

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)	75.500	84.400	70.100	67.400	67.900	86.700	82.300	95.400
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)	75.500	84.400	70.100	67.400	67.900	86.700	82.300	95.400
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.
63	36-41-48.4 N	087-07-44.2 W	176.5	60.7	1274279

Address: 4799 Russellville Road

City: Allensville County: TODD 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)	39.500	56.100	59.000	64.900	64.800	67.600	57.500	49.800
Transmitting ERP (watts)	19.520	91.310	100.120	22.420	2.040	0.260	0.310	0.960

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File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
63	36-41-48.4 N	087-07-44.2 W	176.5	60.7	1274279

Address: 4799 Russellville Road

City: Allensville County: TODD 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)	39.500	56.100	59.000	64.900	64.800	67.600	57.500	49.800
Transmitting ERP (watts)	0.260	0.290	0.450	12.040	74.220	112.340	35.530	3.720

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)	39.500	56.100	59.000	64.900	64.800	67.600	57.500	49.800
Transmitting ERP (watts)	72.530	10.730	0.730	0.260	0.300	3.390	38.070	112.340

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
64	37-14-00.7 N	086-28-02.1 W	183.2	103.6	1231934

Address: 109 Peach Road North

City: Roundhill County: BUTLER 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)	64.400	90.500	87.200	101.000	93.800	118.600	91.600	91.500
Transmitting ERP (watts)	363.980	159.800	18.450	0.910	0.740	0.950	21.190	167.330

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)	64.400	90.500	87.200	101.000	93.800	118.600	91.600	91.500
Transmitting ERP (watts)	1.950	47.700	254.680	329.990	85.310	8.010	0.740	0.920

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)	64.400	90.500	87.200	101.000	93.800	118.600	91.600	91.500
Transmitting ERP (watts)	3.030	0.740	0.970	7.140	95.740	330.050	254.730	40.610

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
65	37-52-03.2 N	086-41-39.8 W	149.0	60.7	

Address: Hancock South, 4586 Midway Lane

City: Hawesville County: HANCOCK State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.800	44.700	66.200	57.400	29.900	51.200	52.700	89.200
Transmitting ERP (watts)	115.500	73.040	10.410	0.540	0.280	0.490	4.480	36.360

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Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
65	37-52-03.2 N	086-41-39.8 W	149.0	60.7	

Address: Hancock South, 4586 Midway Lane

City: Hawesville County: HANCOCK 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)	42.800	44.700	66.200	57.400	29.900	51.200	52.700	89.200
Transmitting ERP (watts)	3.060	20.470	92.740	139.820	92.120	15.240	1.400	0.310

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.800	44.700	66.200	57.400	29.900	51.200	52.700	89.200
Transmitting ERP (watts)	14.390	1.320	0.300	2.890	19.320	87.550	132.000	86.970

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
66	37-48-20.2 N	086-28-22.4 W	213.7	98.8	1215268

Address: Hardinsburg North, West side of Finley/Dowell Road

City: Hardinsburg County: BRECKINRIDGE 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)	117.700	128.800	92.100	83.000	91.500	112.900	146.900	129.700
Transmitting ERP (watts)	65.140	85.560	23.840	2.300	0.240	0.240	0.510	11.990

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	117.700	128.800	92.100	83.000	91.500	112.900	146.900	129.700
Transmitting ERP (watts)	0.260	1.750	24.390	85.560	66.660	11.450	0.880	0.240

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	117.700	128.800	92.100	83.000	91.500	112.900	146.900	129.700
Transmitting ERP (watts)	5.250	0.290	0.240	0.260	5.140	43.210	93.440	43.210

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
67	37-31-51.2 N	086-28-23.9 W	192.0	123.4	1244902

Address: 3690 FALLS OF ROUGH ROAD

City: SHORT CREEK County: GRAYSON 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)	81.800	72.500	68.000	60.600	85.600	82.500	104.300	89.800
Transmitting ERP (watts)	30.940	107.290	83.280	13.820	1.050	0.260	0.310	2.290

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
67	37-31-51.2 N	086-28-23.9 W	192.0	123.4	1244902

Address: 3690 FALLS OF ROUGH ROAD

City: SHORT CREEK County: GRAYSON 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)	81.800	72.500	68.000	60.600	85.600	82.500	104.300	89.800
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)	81.800	72.500	68.000	60.600	85.600	82.500	104.300	89.800
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.
68	37-19-34.6 N	086-57-44.7 W	167.0	83.8	1217201

Address: Western KY Parkway, 256 Pond Run Church Road

City: Beaver Dam County: OHIO 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)	94.000	93.500	89.600	96.400	94.000	100.700	102.100	97.600
Transmitting ERP (watts)	33.930	116.960	90.270	14.390	1.070	0.260	0.340	2.530

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.000	93.500	89.600	96.400	94.000	100.700	102.100	97.600
Transmitting ERP (watts)	3.840	0.260	0.300	0.480	13.100	80.300	122.700	38.140

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)	94.000	93.500	89.600	96.400	94.000	100.700	102.100	97.600
Transmitting ERP (watts)	88.210	8.620	0.340	0.240	0.240	0.240	4.520	78.620

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
69	37-16-08.2 N	086-40-27.4 W	175.0	77.7	1268018

Address: Welcome, 224 Cook Road

City: Morgantown County: BUTLER 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	67.500	90.400	96.600	102.900	98.300	116.100	103.600
Transmitting ERP (watts)	117.640	52.550	6.320	0.320	0.260	0.310	6.770	55.020

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
69	37-16-08.2 N	086-40-27.4 W	175.0	77.7	1268018

Address: Welcome, 224 Cook Road

City: Morgantown County: BUTLER 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)	94.800	67.500	90.400	96.600	102.900	98.300	116.100	103.600
Transmitting ERP (watts)	0.630	15.510	83.280	107.290	28.880	2.760	0.260	0.300

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.800	67.500	90.400	96.600	102.900	98.300	116.100	103.600
Transmitting ERP (watts)	1.050	0.260	0.310	2.290	30.940	107.290	83.280	13.820

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
70	37-12-05.9 N	087-02-26.4 W	153.0	111.3	1231935

Address: 1317 US HWY 431

City: DRAKESBORO County: MUHLENBERG 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)	106.300	109.400	98.200	89.900	81.000	80.100	89.600	94.400
Transmitting ERP (watts)	102.460	44.990	5.190	0.260	0.210	0.270	5.960	47.110

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)	106.300	109.400	98.200	89.900	81.000	80.100	89.600	94.400
Transmitting ERP (watts)	0.550	13.430	71.710	92.910	24.020	2.250	0.210	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)	106.300	109.400	98.200	89.900	81.000	80.100	89.600	94.400
Transmitting ERP (watts)	0.850	0.210	0.270	2.010	26.950	92.910	71.710	11.430

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
71	36-58-34.3 N	086-57-59.8 W	190.2	93.0	1246006

Address: Lewinsburg Downtown, Spa Road

City: LEWISBURG County: LOGAN 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)	107.500	103.300	93.900	90.700	82.900	85.300	84.200	89.200
Transmitting ERP (watts)	100.120	93.440	17.800	1.480	0.260	0.310	1.480	24.580

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
71	36-58-34.3 N	086-57-59.8 W	190.2	93.0	1246006

Address: Lewinsburg Downtown, Spa Road

City: LEWISBURG County: LOGAN 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)	107.500	103.300	93.900	90.700	82.900	85.300	84.200	89.200
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)	107.500	103.300	93.900	90.700	82.900	85.300	84.200	89.200
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.
72	37-02-45.0 N	086-21-53.0 W	167.6	102.7	1046177

Address: Bristow, KY Hwy 526, 5.9 MI (9.5 km) NE of

City: BOWLING GREEN County: WARREN 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)	48.600	42.800	42.800	67.000	66.800	77.800	53.600	55.000
Transmitting ERP (watts)	144.730	63.540	7.340	0.360	0.300	0.380	8.420	66.540

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	48.600	42.800	42.800	67.000	66.800	77.800	53.600	55.000
Transmitting ERP (watts)	0.640	15.100	82.010	107.710	30.010	2.900	0.300	0.310

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	48.600	42.800	42.800	67.000	66.800	77.800	53.600	55.000
Transmitting ERP (watts)	1.180	0.300	0.350	2.570	34.720	120.380	93.440	15.510

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
73	36-48-17.7 N	087-09-29.0 W	195.1	37.0	

Address: Elkton Downtown, Water Tank within the Town of

City: Elkton County: TODD 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)	29.900	29.900	36.400	49.400	47.700	51.300	46.600	29.900
Transmitting ERP (watts)	0.330	0.390	2.890	38.950	135.070	104.850	17.400	1.320

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
73	36-48-17.7 N	087-09-29.0 W	195.1	37.0	

Address: Elkton Downtown, Water Tank within the Town of
City: Elkton County: TODD State: KY Construction Deadline:

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	36.400	49.400	47.700	51.300	46.600	29.900
Transmitting ERP (watts)	186.670	22.440	1.150	0.940	1.100	24.050	195.470	417.910

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)	29.900	29.900	36.400	49.400	47.700	51.300	46.600	29.900
Transmitting ERP (watts)	69.360	324.400	355.700	79.630	7.260	0.940	1.100	3.400

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
74	36-45-37.5 N	086-43-02.9 W	197.2	77.7	1268208

Address: Middleton, 2514 Neely Road
City: Franklin County: SIMPSON 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)	65.100	67.700	65.900	61.000	73.500	89.900	84.400	76.100
Transmitting ERP (watts)	108.950	99.160	18.570	1.520	0.260	0.340	1.630	26.900

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	65.100	67.700	65.900	61.000	73.500	89.900	84.400	76.100
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)	65.100	67.700	65.900	61.000	73.500	89.900	84.400	76.100
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.
75	36-44-33.6 N	086-30-05.7 W	209.4	74.7	1057217

Address: Simpson I-65, 680 Phillips Lane
City: Franklin County: SIMPSON 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	60.400	58.100	45.300	43.900	54.700	56.900	65.000
Transmitting ERP (watts)	113.860	122.250	26.290	2.360	0.300	0.370	1.180	23.930

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
75	36-44-33.6 N	086-30-05.7 W	209.4	74.7	1057217

Address: Simpson I-65, 680 Phillips Lane

City: Franklin County: SIMPSON 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)	74.500	60.400	58.100	45.300	43.900	54.700	56.900	65.000
Transmitting ERP (watts)	0.430	11.130	78.320	144.460	52.750	5.690	0.300	0.320

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	74.500	60.400	58.100	45.300	43.900	54.700	56.900	65.000
Transmitting ERP (watts)	0.830	0.300	0.380	4.210	45.850	137.670	88.060	12.510

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
76	36-41-45.2 N	086-08-55.9 W	299.9	42.7	

Address: Allen Southeast, 7.0 km southeast of

City: Scottsville County: ALLEN 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)	108.900	124.900	127.700	96.400	75.800	97.900	122.100	116.000
Transmitting ERP (watts)	156.880	103.360	17.100	1.570	0.350	3.430	22.970	104.060

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)	108.900	124.900	127.700	96.400	75.800	97.900	122.100	116.000
Transmitting ERP (watts)	6.870	41.440	144.130	164.500	61.780	8.520	0.570	0.770

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.900	124.900	127.700	96.400	75.800	97.900	122.100	116.000
Transmitting ERP (watts)	1.120	0.240	0.870	3.340	18.280	65.860	50.650	9.530

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
77	37-41-44.8 N	086-25-06.2 W	210.6	77.7	1262107

Address: Kingswood, 1065 Stinnett-Taul Lane

City: Harned County: BRECKINRIDGE 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)	78.900	76.900	78.500	81.600	105.100	108.200	91.500	108.400
Transmitting ERP (watts)	6.770	55.020	117.640	52.550	6.320	0.320	0.260	0.310

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
77	37-41-44.8 N	086-25-06.2 W	210.6	77.7	1262107

Address: Kingswood, 1065 Stinnett-Taul Lane

City: Harned County: BRECKINRIDGE 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)	78.900	76.900	78.500	81.600	105.100	108.200	91.500	108.400
Transmitting ERP (watts)	0.260	0.300	3.390	38.070	112.340	72.530	10.730	0.730

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	78.900	76.900	78.500	81.600	105.100	108.200	91.500	108.400
Transmitting ERP (watts)	112.340	35.530	3.720	0.260	0.290	0.450	12.040	74.220

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
78	36-54-24.5 N	086-19-35.4 W	172.8	77.7	1275463

Address: Claypool, 2818 Alvaton-Greenhill Road

City: Bowling Green County: WARREN 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	76.200	79.200	52.800	60.600	78.000	69.500	86.500
Transmitting ERP (watts)	18.240	82.650	124.610	82.100	13.580	1.250	0.280	2.730

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.200	76.200	79.200	52.800	60.600	78.000	69.500	86.500
Transmitting ERP (watts)	0.450	0.620	5.460	32.920	114.480	130.660	49.070	6.770

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.200	76.200	79.200	52.800	60.600	78.000	69.500	86.500
Transmitting ERP (watts)	112.910	27.380	2.950	0.270	1.500	8.200	53.810	130.660

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
79	37-54-07.2 N	086-31-56.1 W	185.9	30.3	

Address: 1.0 km SSW of

City: Stephensports County: BRECKINRIDGE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.900	29.900	49.700	43.700	40.700	48.900	79.700	37.400
Transmitting ERP (watts)	20.210	136.640	63.910	3.510	0.310	0.310	0.310	0.340

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
79	37-54-07.2 N	086-31-56.1 W	185.9	30.3	

Address: 1.0 km SSW of

City: Stephensports County: BRECKINRIDGE 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)	69.900	29.900	49.700	43.700	40.700	48.900	79.700	37.400
Transmitting ERP (watts)	0.310	0.310	3.510	82.330	124.620	15.330	0.570	0.310

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.900	29.900	49.700	43.700	40.700	48.900	79.700	37.400
Transmitting ERP (watts)	5.190	0.310	0.310	0.310	0.310	13.660	127.520	78.630

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
80	37-42-39.3 N	086-31-34.6 W	218.5	77.7	1272916

Address: 245 Dejarnette Lane

City: McQuady County: BRECKINRIDGE 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)	122.000	93.600	90.700	109.100	120.100	106.500	93.000	113.900
Transmitting ERP (watts)	128.360	93.210	17.180	1.520	0.270	1.720	14.250	71.470

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)	122.000	93.600	90.700	109.100	120.100	106.500	93.000	113.900
Transmitting ERP (watts)	4.860	26.750	105.570	130.690	59.850	9.030	0.640	0.460

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	122.000	93.600	90.700	109.100	120.100	106.500	93.000	113.900
Transmitting ERP (watts)	3.780	0.270	1.280	5.690	46.750	127.920	120.460	33.780

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
81	37-29-16.7 N	086-16-14.7 W	231.6	44.2	

Address: Leitchfield WT, 1.5 km East of

City: Leitchfield County: GRAYSON 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)	84.200	71.900	49.000	65.200	69.200	59.900	55.400	68.100
Transmitting ERP (watts)	127.520	78.630	5.190	0.310	0.310	0.310	0.310	13.660

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
81	37-29-16.7 N	086-16-14.7 W	231.6	44.2	

Address: Leitchfield WT, 1.5 km East of

City: Leitchfield County: GRAYSON 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)	84.200	71.900	49.000	65.200	69.200	59.900	55.400	68.100
Transmitting ERP (watts)	0.310	0.790	40.320	146.410	38.510	1.570	0.310	0.310

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.200	71.900	49.000	65.200	69.200	59.900	55.400	68.100
Transmitting ERP (watts)	0.570	0.310	0.310	0.310	3.510	82.330	124.620	15.330

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
82	37-12-13.0 N	086-52-35.7 W	161.2	77.7	1263383

Address: 354 New Cut Road North

City: Rochester County: BUTLER State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	92.200	104.300	79.800	74.100	80.300	95.900	89.700	112.900
Transmitting ERP (watts)	63.170	117.640	43.710	4.900	0.260	0.280	0.350	9.130

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)	92.200	104.300	79.800	74.100	80.300	95.900	89.700	112.900
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)	92.200	104.300	79.800	74.100	80.300	95.900	89.700	112.900
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.
83	36-45-39.5 N	086-51-51.6 W	186.6	77.7	1256442

Address: Logan South, 75 Hall Store Road

City: Russellville County: LOGAN 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)	70.500	51.300	69.000	75.700	80.000	87.100	81.800	59.200
Transmitting ERP (watts)	128.990	56.630	6.540	0.320	0.260	0.340	7.510	59.300

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
83	36-45-39.5 N	086-51-51.6 W	186.6	77.7	1256442

Address: Logan South, 75 Hall Store Road

City: Russellville County: LOGAN 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)	70.500	51.300	69.000	75.700	80.000	87.100	81.800	59.200
Transmitting ERP (watts)	0.340	2.530	33.930	116.960	90.270	14.390	1.070	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)	70.500	51.300	69.000	75.700	80.000	87.100	81.800	59.200
Transmitting ERP (watts)	3.840	0.260	0.300	0.480	13.100	80.300	122.700	38.140

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
84	36-58-47.9 N	086-23-20.0 W	155.1	56.4	1241356

Address: Bowling Green Cemetery Road, 3700 Cumberland Trace Cell

City: Bowling Green County: WARREN 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	35.000	33.800	29.900	39.200	29.900	29.900	54.700
Transmitting ERP (watts)	129.890	61.320	3.430	0.310	0.310	0.310	0.450	18.690

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	35.000	33.800	29.900	39.200	29.900	29.900	54.700
Transmitting ERP (watts)	0.310	3.260	77.190	119.560	14.880	0.420	0.310	0.310

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	35.000	33.800	29.900	39.200	29.900	29.900	54.700
Transmitting ERP (watts)	0.310	0.310	0.310	0.570	26.700	136.640	48.150	2.270

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
85	36-53-34.0 N	086-24-38.0 W	184.4	46.7	

Address: Plano Water Tank, 9.0 SSE of

City: Bowling Green County: WARREN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.200	49.800	45.800	33.400	35.100	33.600	34.800	46.200
Transmitting ERP (watts)	1.340	39.400	76.830	11.900	0.480	0.240	0.240	0.240

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
85	36-53-34.0 N	086-24-38.0 W	184.4	46.7	

Address: Plano Water Tank, 9.0 SSE of

City: Bowling Green County: WARREN 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)	61.200	49.800	45.800	33.400	35.100	33.600	34.800	46.200
Transmitting ERP (watts)	0.240	0.240	0.240	5.320	66.920	53.150	4.220	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)	61.200	49.800	45.800	33.400	35.100	33.600	34.800	46.200
Transmitting ERP (watts)	28.550	1.400	0.240	0.240	0.240	0.370	16.810	84.240

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
86	36-53-16.1 N	086-30-48.3 W	183.8	60.6	

Address: Richpond, 608 Skeek Road

City: Bowling Green County: WARREN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.900	78.100	67.600	58.700	47.300	43.600	56.900	73.400
Transmitting ERP (watts)	87.200	42.220	5.380	0.310	0.260	0.260	4.790	40.320

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)	69.900	78.100	67.600	58.700	47.300	43.600	56.900	73.400
Transmitting ERP (watts)	1.480	24.580	100.120	93.440	17.800	1.480	0.260	0.310

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.900	78.100	67.600	58.700	47.300	43.600	56.900	73.400
Transmitting ERP (watts)	0.490	0.260	0.300	4.900	45.770	117.640	63.170	8.330

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
87	36-44-23.3 N	086-34-22.4 W	211.2	93.6	1007990

Address: Franklin Downtown, Ogles Road (Franklin #9142)

City: Franklin County: SIMPSON 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	91.500	77.000	60.200	57.000	65.400	75.500	64.400
Transmitting ERP (watts)	1.890	59.640	119.000	18.430	0.750	0.270	0.270	0.270

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
87	36-44-23.3 N	086-34-22.4 W	211.2	93.6	1007990

Address: Franklin Downtown, Ogles Road (Franklin #9142)

City: Franklin County: SIMPSON 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)	82.400	91.500	77.000	60.200	57.000	65.400	75.500	64.400
Transmitting ERP (watts)	0.270	0.270	0.270	8.050	101.290	84.250	6.540	0.310

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.400	91.500	77.000	60.200	57.000	65.400	75.500	64.400
Transmitting ERP (watts)	44.210	2.120	0.270	0.270	0.270	0.400	25.440	127.510

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
88	36-50-51.7 N	086-46-11.1 W	198.4	82.3	1237175

Address: Rockcastle, 1365 Echo Valley Road

City: Auburn County: LOGAN 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)	64.000	66.400	63.200	58.100	74.800	70.400	71.300	75.200
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)	64.000	66.400	63.200	58.100	74.800	70.400	71.300	75.200
Transmitting ERP (watts)	0.380	9.920	69.800	128.750	47.020	5.070	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)	64.000	66.400	63.200	58.100	74.800	70.400	71.300	75.200
Transmitting ERP (watts)	2.100	0.260	0.330	1.050	21.320	101.470	108.950	23.430

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
89	37-25-24.5 N	086-24-14.9 W	197.8	83.8	1217214

Address: Millwood, 1006 Pleasant View Road

City: Millwood County: GRAYSON 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)	62.400	41.800	60.100	71.500	58.400	67.600	87.100	76.500
Transmitting ERP (watts)	39.870	122.420	126.750	40.620	4.930	0.330	0.900	5.470

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
89	37-25-24.5 N	086-24-14.9 W	197.8	83.8	1217214

Address: Millwood, 1006 Pleasant View Road

City: Millwood County: GRAYSON 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)	62.400	41.800	60.100	71.500	58.400	67.600	87.100	76.500
Transmitting ERP (watts)	0.890	0.350	3.940	22.290	94.500	128.360	70.660	11.140
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)	62.400	41.800	60.100	71.500	58.400	67.600	87.100	76.500
Transmitting ERP (watts)	103.880	21.640	2.140	0.270	1.490	11.530	61.810	130.990

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
90	37-17-38.2 N	086-44-29.7 W	129.8	83.8	1217204

Address: Natcher Parkway, 1 C. Beck Rd.

City: Morgantown County: BUTLER 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)	37.600	36.200	41.100	50.200	36.800	52.200	53.300	52.700
Transmitting ERP (watts)	7.510	59.300	128.990	56.630	6.540	0.320	0.260	0.340
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)	37.600	36.200	41.100	50.200	36.800	52.200	53.300	52.700
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)	37.600	36.200	41.100	50.200	36.800	52.200	53.300	52.700
Transmitting ERP (watts)	122.700	38.140	3.840	0.260	0.300	0.480	13.100	30.300

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
91	37-10-17.8 N	086-46-48.7 W	157.3	90.0	1273826

Address: South Hill, 231 Freeman Staples Road

City: Morgantown County: BUTLER 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)	114.500	84.600	81.200	73.600	93.700	70.900	96.300	102.200
Transmitting ERP (watts)	71.470	128.360	93.210	17.180	1.520	0.270	1.720	14.250

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
91	37-10-17.8 N	086-46-48.7 W	157.3	90.0	1273826

Address: South Hill, 231 Freeman Staples Road

City: Morgantown County: BUTLER 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)	114.500	84.600	81.200	73.600	93.700	70.900	96.300	102.200
Transmitting ERP (watts)	0.620	5.460	32.920	114.480	130.660	49.070	6.770	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)	114.500	84.600	81.200	73.600	93.700	70.900	96.300	102.200
Transmitting ERP (watts)	21.640	2.140	0.270	1.490	11.530	61.810	130.990	103.880

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
92	36-57-07.6 N	086-47-36.4 W	210.0	77.7	1261473

Address: Chandler, 8773 Morgantown Road

City: Russellville County: LOGAN 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)	122.500	88.200	98.600	86.200	75.500	96.400	126.200	114.800
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)	122.500	88.200	98.600	86.200	75.500	96.400	126.200	114.800
Transmitting ERP (watts)	0.480	13.100	80.300	122.700	38.140	3.840	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)	122.500	88.200	98.600	86.200	75.500	96.400	126.200	114.800
Transmitting ERP (watts)	0.500	0.260	0.330	5.430	50.380	128.750	66.660	8.640

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
93	37-03-12.4 N	086-44-45.3 W	184.4	77.7	1273825

Address: Davis Crossroads, 63 Fire Station Lane

City: Morgantown County: BUTLER State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.300	104.500	88.100	79.900	67.600	85.300	105.100	96.800
Transmitting ERP (watts)	94.500	128.360	70.660	11.140	0.890	0.350	3.940	22.290

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
93	37-03-12.4 N	086-44-45.3 W	184.4	77.7	1273825

Address: Davis Crossroads, 63 Fire Station Lane

City: Morgantown County: BUTLER 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)	90.300	104.500	88.100	79.900	67.600	85.300	105.100	96.800
Transmitting ERP (watts)	0.350	3.940	22.290	94.500	128.360	70.660	11.140	0.890

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.300	104.500	88.100	79.900	67.600	85.300	105.100	96.800
Transmitting ERP (watts)	17.180	1.520	0.270	1.720	14.250	71.470	128.360	93.210

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
94	36-49-14.6 N	087-02-42.8 W	198.7	77.7	1261471

Address: Daysville, 1270 Daysville Road

City: Russellville County: LOGAN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.600	79.200	75.600	95.700	90.500	86.800	61.000	55.000
Transmitting ERP (watts)	2.290	30.940	107.290	83.280	13.820	1.050	0.260	0.310

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.600	79.200	75.600	95.700	90.500	86.800	61.000	55.000
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)	80.600	79.200	75.600	95.700	90.500	86.800	61.000	55.000
Transmitting ERP (watts)	112.340	35.530	3.720	0.260	0.290	0.450	12.040	74.220

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
95	36-41-25.9 N	086-04-02.1 W	237.1	77.7	1278967

Address: Holland, 359 Lafayette Road

City: Scottsville County: ALLEN 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)	114.100	88.200	100.700	73.600	49.300	69.400	81.800	87.800
Transmitting ERP (watts)	12.260	67.850	91.320	22.470	1.930	0.240	0.240	1.460

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
95	36-41-25.9 N	086-04-02.1 W	237.1	77.7	1278967

Address: Holland, 359 Lafayette Road

City: Scottsville County: ALLEN 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)	114.100	88.200	100.700	73.600	49.300	69.400	81.800	87.800
Transmitting ERP (watts)	0.230	1.100	4.900	40.250	110.140	103.720	29.080	3.250

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.100	88.200	100.700	73.600	49.300	69.400	81.800	87.800
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.
96	36-59-23.5 N	086-28-21.6 W	146.6	76.2	1277050

Address: Lampkin Park, Behind Dept of Hwys Dist. Office on Old Morgantown Rd. off Hwy 231

City: Bowling Green County: WARREN 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)	30.300	29.900	37.300	29.900	29.900	29.900	29.900	29.900
Transmitting ERP (watts)	111.310	29.890	1.180	0.240	0.240	0.240	0.710	29.750

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	30.300	29.900	37.300	29.900	29.900	29.900	29.900	29.900
Transmitting ERP (watts)	0.240	2.330	51.180	79.740	9.900	0.320	0.240	0.240

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	30.300	29.900	37.300	29.900	29.900	29.900	29.900	29.900
Transmitting ERP (watts)	0.240	0.240	0.240	0.280	10.010	96.730	60.750	3.910

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
97	37-25-27.1 N	086-13-46.7 W	252.1	41.1	1280487

Address: Johnson Crossroads, 2601 St. Augustine Road

City: Clarkson County: GRAYSON 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	73.900	78.500	96.700	106.000	108.500	99.600	95.600
Transmitting ERP (watts)	157.100	105.670	17.850	1.800	0.480	4.050	25.570	109.870

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
97	37-25-27.1 N	086-13-46.7 W	252.1	41.1	1280487

Address: Johnson Crossroads, 2601 St. Augustine Road

City: Clarkson County: GRAYSON 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	73.900	78.500	96.700	106.000	108.500	99.600	95.600
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)	97.900	73.900	78.500	96.700	106.000	108.500	99.600	95.600
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.
98	37-54-31.9 N	085-59-25.9 W	236.2	35.0	

Address: Fort Knox IV, 5800 Block of Adams Street

City: Fort Knox County: MEADE 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)	94.000	74.300	90.800	60.900	57.100	53.800	55.700	114.300
Transmitting ERP (watts)	36.310	138.730	165.910	77.210	12.030	0.950	0.820	6.980

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.000	74.300	90.800	60.900	57.100	53.800	55.700	114.300
Transmitting ERP (watts)	1.300	0.640	5.680	30.740	124.760	162.210	90.940	14.810

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)	94.000	74.300	90.800	60.900	57.100	53.800	55.700	114.300
Transmitting ERP (watts)	117.350	21.640	1.920	0.340	2.170	17.950	89.980	161.610

Control Points:

Control Pt. No. 1

Address: 216 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 NETWORK ENGINEERING
ALPHARETTA, GA 30022

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

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

NONE

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQCS429

File Number: 0010160221

Print Date: 02-15-2023

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

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

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQGA718

File Number: 0009793647

Print Date: 02-23-2022

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (WQGA958), File Number (0009775568), 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: WQGA958

File Number: 0009775568

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 ENGINEERING
ALPHARETTA, GA 30022

Table with Call Sign (WQGD757), File Number (0010160394), 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: WQGD757

File Number: 0010160394

Print Date: 02-10-2023

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (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. 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: WQJQ692

File Number:

Print Date:

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WRAM748	File Number 0009262187
Radio Service WT - 600 MHz Band	

FCC Registration Number (FRN): 0003290673

Grant Date 01-09-2018	Effective Date 01-13-2021	Expiration Date 01-09-2030	Print Date 03-11-2021
Market Number PEA162	Channel Block G	Sub-Market Designator 0	
Market Name Elizabethtown, KY			
1st Build-out Date 01-09-2024	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRAM748

File Number: 0009262187

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 (WRAY771), File Number, and Radio Service (UU - Upper Microwave Flexible Use Service).

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

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: WRAY771

File Number:

Print Date:

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (WREV455), File Number (0009262187), 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: WREV455

File Number: 0009262187

Print Date: 03-11-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WREV456	File Number 0009262187
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 PEA162	Channel Block B	Sub-Market Designator 0	
Market Name Elizabethtown, KY			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

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

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Licensee Name: CELLCO PARTNERSHIP

Call Sign: WREV456

File Number: 0009262187

Print Date: 03-11-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WREV457	File Number 0009262187
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 PEA162	Channel Block C	Sub-Market Designator 0	
Market Name Elizabethtown, KY			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

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

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Licensee Name: CELLCO PARTNERSHIP

Call Sign: WREV457

File Number: 0009262187

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
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RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WREV458	File Number 0009262187
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 PEA162	Channel Block D	Sub-Market Designator 0	
Market Name Elizabethtown, KY			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

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

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Licensee Name: CELLCO PARTNERSHIP

Call Sign: WREV458

File Number: 0009262187

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 (WRHF800), File Number (0010283156), 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: WRHF800

File Number: 0010283156

Print Date: 03-15-2023

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (WRNG302), 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: WRNG302

File Number:

Print Date:

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (WRNG307), 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: WRNG307

File Number:

Print Date:

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (WRWD815), File Number, and Radio Service (CW - PCS Broadband).

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: WRWD815

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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PROJECT SUMMARY

SITE NAME:	CK MCDANIELS
SITE ADDRESS:	9879 KY-259 MCDANIELS, KY 40152
COUNTY:	BRECKINRIDGE
JURISDICTION:	BRECKINRIDGE COUNTY
LAND USE:	AGRICULTURAL
PARCEL ID:	061-19F
SITE COORDINATES:	1A
LATITUDE:	37° 37' 9.08" N (NAD83)
LATITUDE:	37.61919°
LONGITUDE:	86° 26' 17.30" W (NAD83)
LONGITUDE:	-86.43814°
ELEVATION:	602.8' AMSL (NAV/D88)
FUZE PROJECT ID:	617291389
PLIC CODE:	725001
PROPERTY OWNER:	WAYNE FENTRESS PO BOX 65, 15 SOUTH HWY 79 MCDANIELS, KY 40152
PROPERTY OWNER CONTACT:	WAYNE FENTRESS (270) 668-8171
TOWER OWNER:	TOWERCO 5000 VALLEYSIDE DR. CARY, NC 27519
TOWER OWNER CONTACT:	AMANDA ADAMS (919) 653-5700
STRUCTURE TYPE:	SELF SUPPORTING
TOWER HEIGHT:	295'-0"
ENVIRONMENTAL REQ. :	N/A
OCCUPANCY :	UNMANNED
SITE TYPE :	RAWLAND
POWER COMPANY :	MEADE COUNTY RECC
CONTACT :	(270) 422-2162
PHONE :	
COMMUNICATIONS:	AT&T
PHONE :	(270) 678-2111
FIRE DEPARTMENT :	MCDANIELS VOLUNTEER FIRE DEPARTMENT
PHONE :	(270) 257-2331
POLICE DEPARTMENT :	BRECKINRIDGE COUNTY SHERIFF
PHONE :	(270) 257-2331

DIRECTIONS FROM BRECKINRIDGE COUNTY COURTHOUSE:
HEAD SOUTH ON KY-259 / KY-261 / S MAIN ST TOWARD COURTHOUSE SQ (1.3 MI), TURN LEFT ONTO US-60 W / US HIGHWAY 60 BYP (3.0 MI), TURN RIGHT ONTO KY-79 / KY-259 / S HIGHWAY 259 (9.5 MI), TURN LEFT ONTO E FENTRESS VILLAGE LN (0.1 MI), KEEP RIGHT TO STAY ON E FENTRESS VILLAGE LN (0.3 MI), ARRIVE ATE FENTRESS VILLAGE LN, THE LAST INTERSECTION BEFORE YOUR DESTINATION IS HINTON HILLS SPUR.

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



CK MCDANIELS
9879 KY-259
MCDANIELS, KY 40152

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

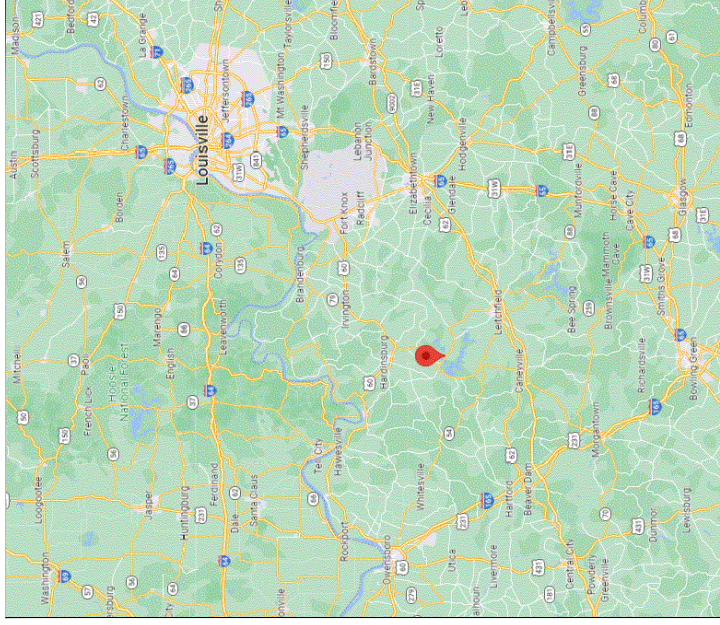
ACCESSIBILITY REQUIREMENTS:
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2015 IBC BUILDING CODE.

SCOPE OF WORK

- INSTALL A NEW 295'-0" SELF SUPPORT TOWER WITH 10'-0" LIGHTNING ROD (OVERALL 305'-0")
- INSTALL A NEW 75' X 75' CHAINLINK FENCED COMPOUND WITHIN A 100' X 100' LEASE AREA
- INSTALL A NEW UTILITY H-FRAME WITHIN THE NEW FENCED COMPOUND
- INSTALL A NEW TOWER, COMPOUND AND EQUIPMENT GROUNDING SYSTEM
- INSTALL NEW ANTENNAS, LINES, COAX, GPS AND RADIO EQUIPMENT
- INSTALL NEW UNDERGROUND POWER AND FIBER CONDUITS WITHIN THE DESIGNATED UTILITY EASEMENT TO NEW UTILITY H-FRAME
- INSTALL A NEW 11'-6" X 19'-6" CONCRETE EQUIPMENT PAD

ALL WORK MUST BE DONE IN ACCORDANCE TO THE DRAWINGS.

VICINITY MAP



NOT TO SCALE

DIRECTIONS FROM LOUISVILLE SWITCH 2441 HOLLOWAY RD, LOUISVILLE, KY 40299: HEAD SOUTH ON HOLLOWAY RD TOWARD PLANTSIDE DR (351 FT), TURN LEFT ONTO SCHUTTE STATION PL (0.3 MI), ROAD NAME CHANGES TO PLANTSIDE DR (0.6 MI), TURN LEFT ONTO BLANKENBAKER PKWY (0.7 MI), TAKE THE RAMP ON THE RIGHT FOR I-64 EAST AND HEAD TOWARD LEXINGTON (1.6 MI) AT EXIT 19A, HEAD RIGHT ON THE RAMP FOR I-265 / KY-841 SOUTH TOWARD GENE SNYDER FREEWAY (2.8 MI), ROAD NAME CHANGES TO I-265 W / KY-841 W (22.4 MI), AT EXIT 1, HEAD RIGHT ON THE RAMP FOR US-31W / US-60 TOWARD FORT KNOX / LOUISVILLE (0.3 MI), TURN LEFT ONTO US-31W S / US-60 W / DIXIE HWY (14.9 MI), TURN RIGHT ONTO US-60 E (29.4 MI), TURN LEFT ONTO KY-79 / KY-259 / S HIGHWAY 259 (10.0 MI), THE DESTINATION IS ON THE LEFT. IF YOU MAKE IT TO LAUREL BRANCH RD, YOU HAVE GONE TO FAR.

SHEET INDEX

NO.	DESCRIPTION
T1	TITLE SHEET
S1	SURVEY - COVER SHEET
S2	SURVEY - OVERVIEW MAP
S3	SURVEY - SITE SURVEY
S4	SURVEY - SITE SURVEY
S5	SURVEY - SITE SURVEY
S6	SURVEY - DESCRIPTIONS
S7	SURVEY - DESCRIPTIONS
Z1	COUNTY TOWER MAP
Z2	OVERALL SITE LAYOUT
Z3	500' RADIUS AND ABUTTERS MAP
Z4	500' RADIUS AND ABUTTERS MAP
Z5	OVERALL SITE LAYOUT
Z6	SITE PLAN
Z7	EROSION CONTROL SITE PLAN
Z8	DIMENSION SITE PLAN
Z9	TOWER ELEVATION
Z10	SITE DETAILS
Z11	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.

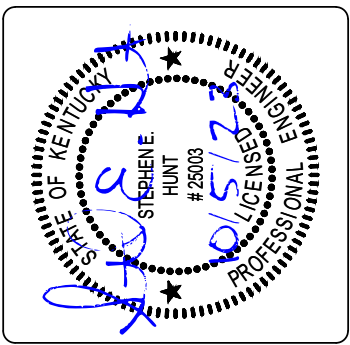
SHEET SCALE FACTOR:
PLOT SIZE:
11" x 17": TO SCALE

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

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CHECKED BY	SEH

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E	10/05/23 PLS ZONING ISSUE
D	09/18/23 PLS ZONING ISSUE
C	09/12/23 MJB ZONING ISSUE
B	01/18/23 MJB ZONING ISSUE
A	12/21/22 MJB ZONING ISSUE
#	DATE BY DESCRIPTION



FUZE ID : 617291389

SITE NAME : CK MCDANIELS

SITE # / LOCATION CODE : 725001

SITE ADDRESS : 9879 KY-259
MCDANIELS, KY 40152

SITE TYPE : RAWLAND

SHEET TITLE :	TITLE SHEET
DRAWING # :	T1
REVISION :	E



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FOR REFERENCE

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SITE NAME :	CK MCDANIELS
SITE # / LOCATION CODE :	725001

SITE ADDRESS :	9879 KY-259 MCDANIELS, KY 40152
SITE TYPE :	RAWLAND

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

DRAWING # :	Z1	REVISION :	E
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TOWER OWNER

- VERIZON WIRELESS
- CROWN CASTLE
- AMERICAN TOWER
- BIG RIVERS ELECTRIC CORPERATION
- VERIZON WIRELESS
- SKYWAY TOWERS
- KENTUCKY EMERGENCY WARNING SYSTEM
- TELAVA WIRELESS, INC
- CROWN CASTLE SOUTH LLC
- SBA MONARCH TOWER III, LLC
- VERIZON WIRELESS
- TEXAS GAS TRANSMISSION, LLC
- THE CROMWELL GROUP, INC
- COUNTY OF BRECKENRIDGE
- BIG RIVERS ELECTRIC CORPERATION
- BIG RIVERS ELECTRIC CORPERATION
- BRECKENRIDGE BROADCASTING CO INC
- TILLMAN INFRASTRUCTURE, LLC
- TVT I, LLC
- TELAVA WIRELESS, INC
- VERIZON WIRELESS
- VERIZON WIRELESS
- CROWN CASTLE SOUTH LLC
- KENTUCKY EMERGENCY WARNING SYSTEM
- SBA MONARCH TOWER III, LLC
- TOWER ASSETS NEWCO IX, LLC
- BETHEL FELLOWSHIP, INC
- SBA MONARCH TOWERS III, LLC
- TOWERCO

LONGITUDE

- 86°29'39.90"W
- 86°24'38.30"W
- 86°28'37.70"W
- 86°20'47.00"W
- 86°31'56.20"W
- 86°16'3.50"W
- 86°34'21.00"W
- 86°14'25.00"W
- 86°28'22.40"W
- 86°20'0.20"W
- 86°19'51.00"W
- 86°29'12.00"W
- 86°36'26.30"W
- 86°27'42.00"W
- 86°26'56.50"W
- 86°28'60.00"W
- 86°26'6.90"W
- 86°23'17.90"W
- 86°38'40.70"W
- 86°38'42.00"W
- 86°31'34.60"W
- 86°25'6.20"W
- 86°27'31.70"W
- 86°16'11.00"W
- 86°27'59.90"W
- 86°19'2.00"W
- 86°22'12.90"W
- 86°23'28.80"W
- 86°26'17.37"W

LATITUDE

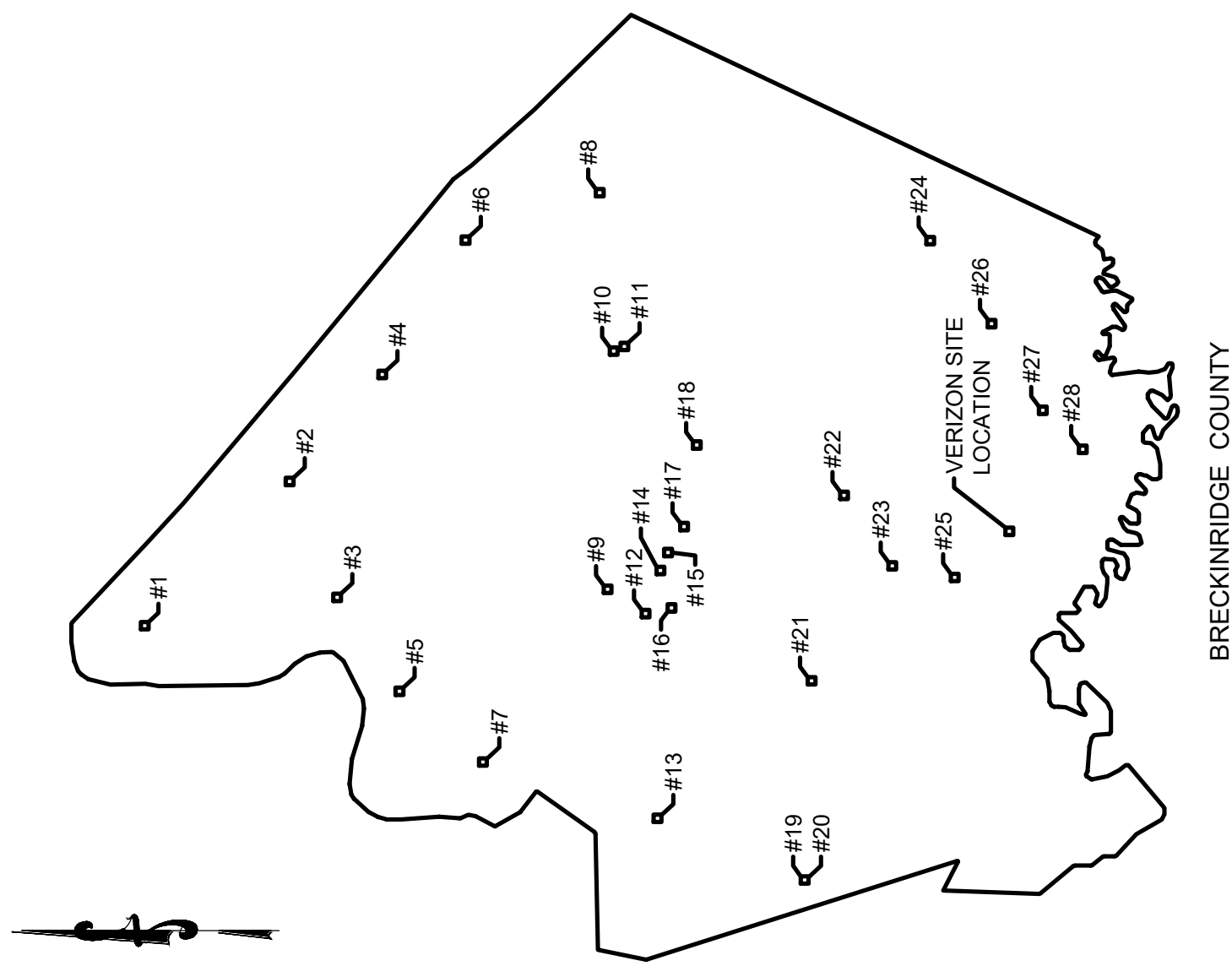
- 38° 1'12.90"N
- 37°57'6.10"N
- 37°55'53.10"N
- 37°54'35.00"N
- 37°54'7.50"N
- 37°52'17.80"N
- 37°51'29.00"N
- 37°48'32.00"N
- 37°48'20.20"N
- 37°48'8.30"N
- 37°47'53.00"N
- 37°47'15.00"N
- 37°46'57.80"N
- 37°46'51.00"N
- 37°46'45.50"N
- 37°46'34.00"N
- 37°46'14.20"N
- 37°45'52.70"N
- 37°42'44.40"N
- 37°42'44.00"N
- 37°42'39.30"N
- 37°41'44.80"N
- 37°40'25.20"N
- 37°39'21.00"N
- 37°38'36.30"N
- 37°37'37.80"N
- 37°36'6.20"N
- 37°35'8.10"N
- 37°37'08.88"N

ASR

- 1305108
- 1043429
- 1291561
- 1200734
- 1304239
- 1043896
- TOWER
- 1050176
- 1215268
- 1270783
- 1043043
- 1039667
- 1200816
- 1061965
- 1261014
- 1200744
- 1042282
- 1305582
- 1315005
- 1050174
- 1272916
- 1262107
- 1025097
- 1044834
- 1274759
- 1043452
- 1214128
- 1268315
- VERIZON

TOWER

- #1.
- #2.
- #3.
- #4.
- #5.
- #6.
- #7.
- #8.
- #9.
- #10.
- #11.
- #12.
- #13.
- #14.
- #15.
- #16.
- #17.
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- #22.
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- #24.
- #25.
- #26.
- #27.
- #28.
- #29.



BRECKINRIDGE COUNTY

VERIZON SITE LOCATION

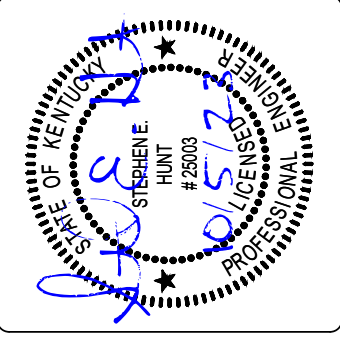


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SUITE 130
HIXSON, TN 37343
PH : 423-843-9500
FAX : 423-843-9509

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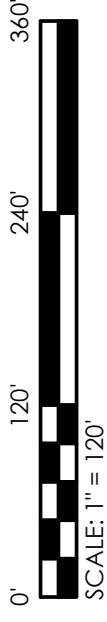
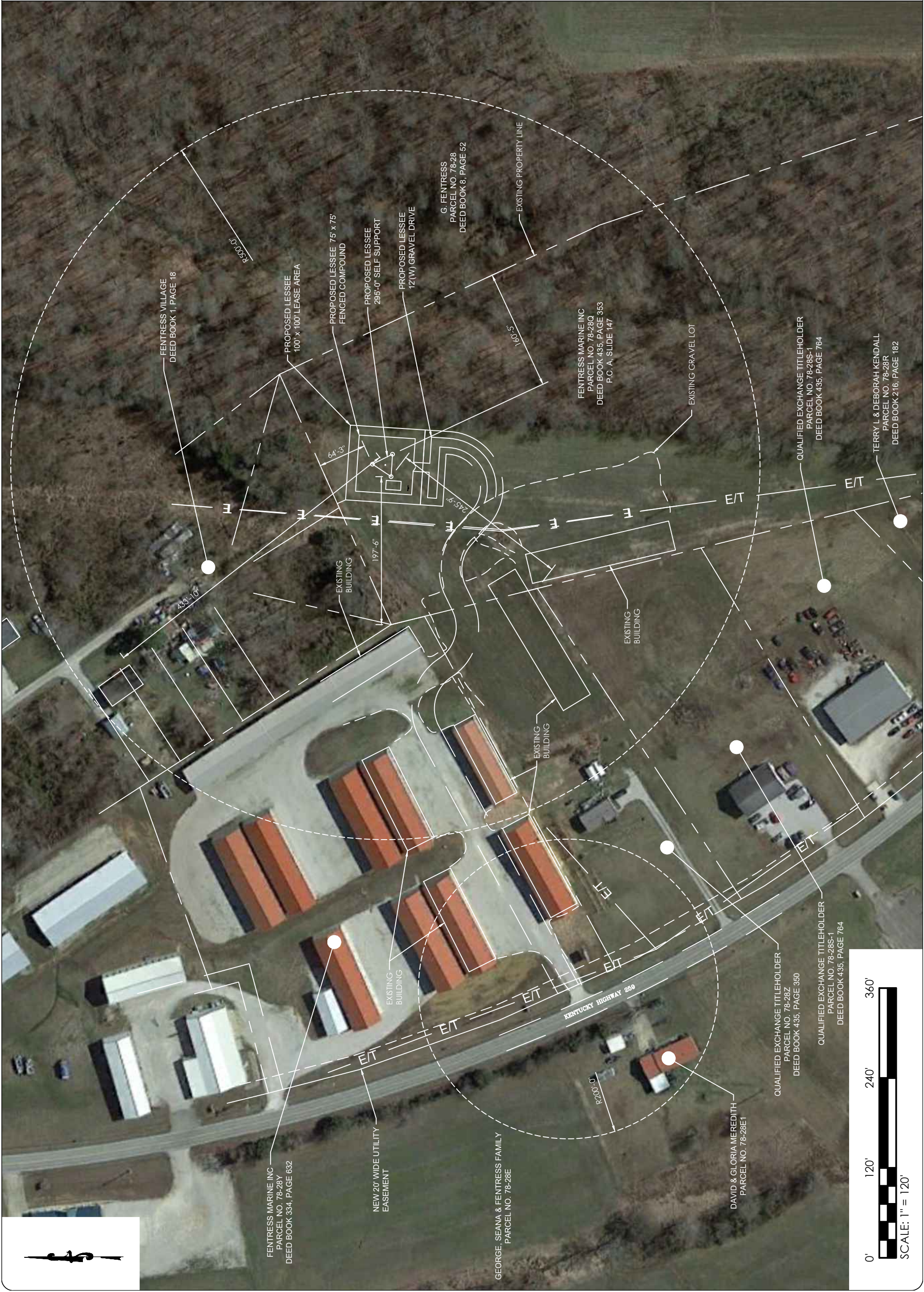
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FUZE ID :	617291389
SITE NAME :	CK MCDANIELS
SITE # / LOCATION CODE :	725001

SITE ADDRESS :	9879 KY-259 MCDANIELS, KY 40152
SITE TYPE :	RAWLAND
SHEET TITLE :	OVERALL SITE LAYOUT
DRAWING # :	Z2
REVISION :	E





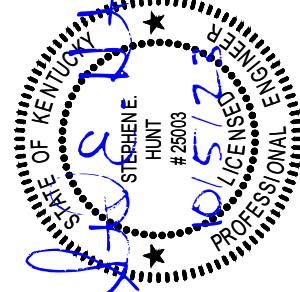
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FUZE ID : 617291389

SITE NAME : CK MCDANIELS

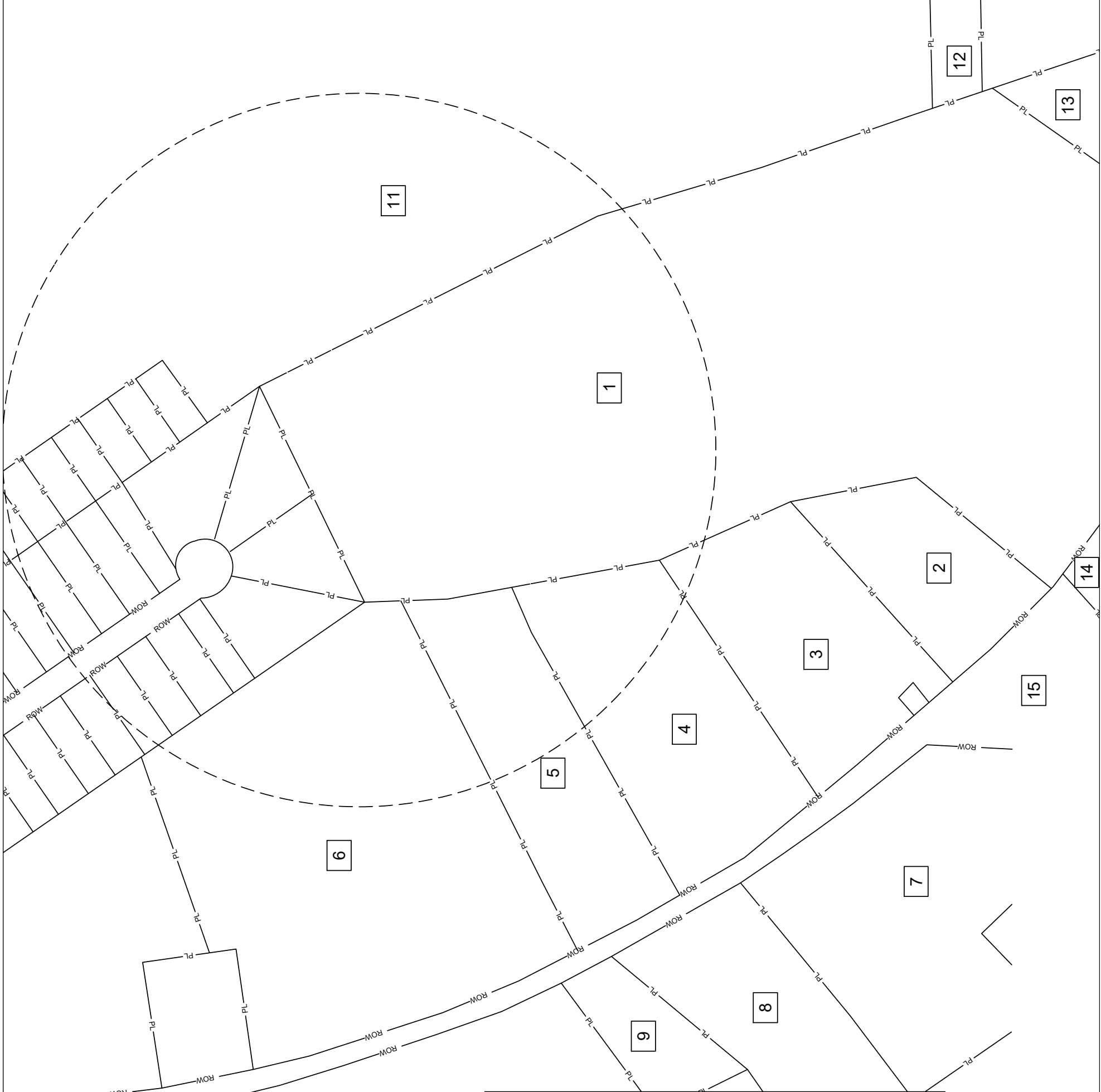
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MCDANIELS, KY 40152

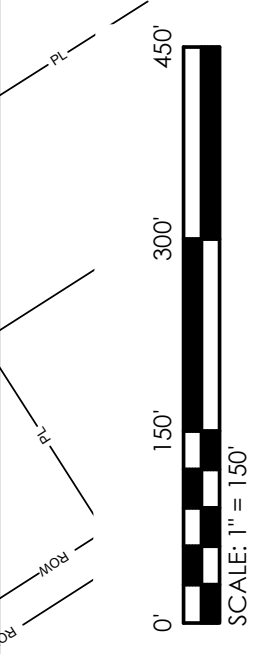
SITE TYPE : RAWLAND

SHEET TITLE : 500' RADIUS AND ABUTTERS MAP

DRAWING # : Z3
REVISION : E



- ① PARCEL ID: 78-28Q / FENTRESS MARINE INC. / PO BOX 65, MCDANIELS, KY 40152
- ② PARCEL ID: 78-28R / KENDALL TERRY L & DEBORAH / 392 SPRING DRIVE LN, MCDANIELS, KY 40152
- ③ PARCEL ID: 78-28S-1 / QUALIFIED EXCHANGE TITLE HOLDER / C/O HERBERT LAW FIRM LLC, PO BOX 3889, GULF SHORES, AL 36547
- ④ PARCEL ID: 78-28S / QUALIFIED EXCHANGE TITLE HOLDER / C/O HERBERT LAW FIRM LLC, PO BOX 3889, GULF SHORES, AL 36547
- ⑤ PARCEL ID: 78-28Z / FENTRESS MARINE INC. / PO BOX 65, MCDANIELS, KY 40152
- ⑥ PARCEL ID: 78-28Y / FENTRESS MARINE INC. / PO BOX 65, MCDANIELS, KY 40152
- ⑦ PARCEL ID: 78-28B-1 / LIBERA ON CHURCH INC. / ATN: JACOB MCCLURE, 1628 LASHLEY ST, LEITCHFIELD, KY 42754
- ⑧ PARCEL ID: 78-28B / SINGER MARION G / 505 HINTON HILLS LOOP, HARDINSBURG, KY 40143
- ⑨ PARCEL ID: 78-28E-1 / MEREDITH DAVID & GLORIA / 9958 S HWY 259, MCDANIELS, KY 40152
- ⑩ PARCEL ID: 78-28E / SEANA TRUST & GEORGE FENTRESS FAMILY / C/O DEBORAH FENTRESS, 2230 JUNCTION RD, FALLS OF ROUGH, KY 40119
- ⑪ PARCEL ID: 78-27 / GEORGE FENTRESS FAMILY LLC / 2230 JUNC ON RD, FALLS OF ROUGH, KY 40119
- ⑫ PARCEL ID: 78-27-2 OWNER NOT LISTED
- ⑬ PARCEL ID: 78-28P OWNER NANCY HENNING / 2540 JIM BOB MATTINGLY RD, HARDINSBURG, KY 40143
- ⑭ PARCEL ID: 78-28N OWNER WILLIAM V NEULING / 2016 91ST STREET NW, BRADENTON, FL 34209
- ⑮ PARCEL ID: 78-28M OWNER NANCY HENNING / 2540 JIM BOB MATTINGLY RD, HARDINSBURG, KY 40143



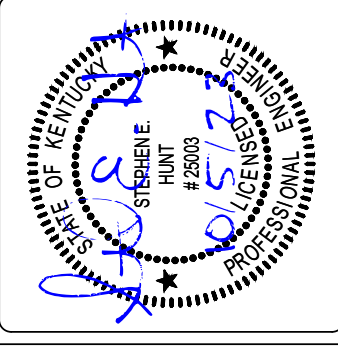


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FUZE ID : 617291389

SITE NAME : CK MCDANIELS

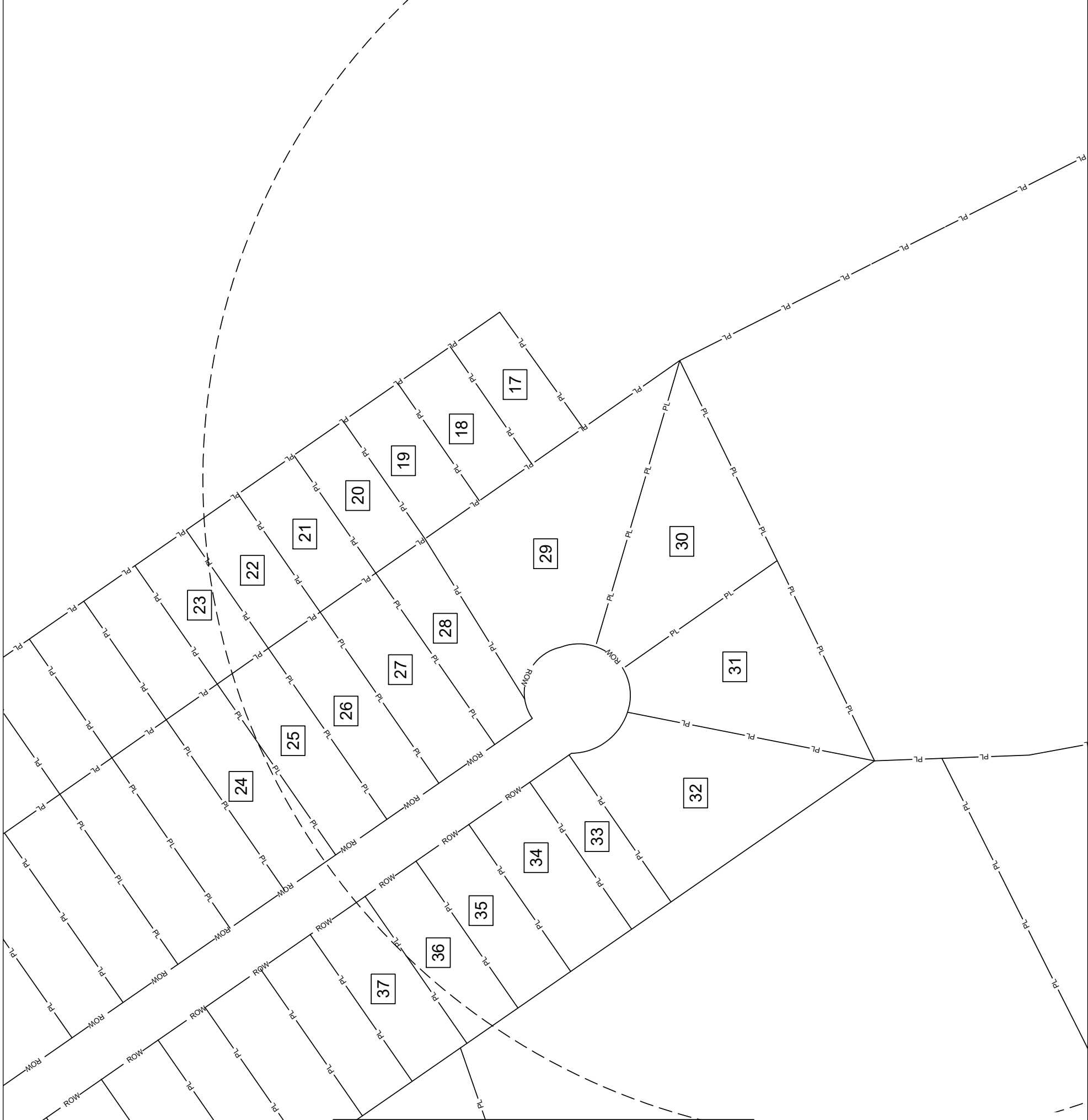
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SITE ADDRESS : 9879 KY-259
MCDANIELS, KY 40152

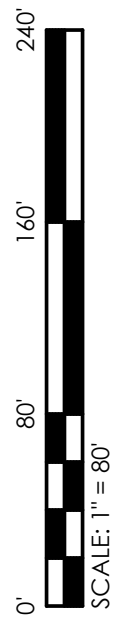
SITE TYPE : RAWLAND

SHEET TITLE : 500' RADIUS AND ABUTTERS MAP

DRAWING # :	Z4	REVISION :	E
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- 18 PARCEL ID: FV1-104 / FENTRESS VILLAGE
- 19 PARCEL ID: FV1-103 / FENTRESS VILLAGE
- 20 PARCEL ID: FV1-102 / FENTRESS VILLAGE
- 21 PARCEL ID: FV1-101 / FENTRESS VILLAGE
- 22 PARCEL ID: FV1-100 / FENTRESS VILLAGE
- 23 PARCEL ID: FV1-99 / FENTRESS VILLAGE
- 24 PARCEL ID: FV1-45 / MCCUBBINS RICHARD ESTATE / ATN: DENISE MICHELE HAWKINS, PO BOX 67, MCDANIELS, KY 40152
- 25 PARCEL ID: FV1-44 / FENTRESS VILLAGE
- 26 PARCEL ID: FV1-43 / FENTRESS VILLAGE
- 27 PARCEL ID: FV1-42 / FENTRESS VILLAGE
- 28 PARCEL ID: FV1-41 / FENTRESS MARY ANN ESTATE
- 29 PARCEL ID: FV1-40 / FENTRESS VILLAGE
- 30 PARCEL ID: FV1-39 / FENTRESS VILLAGE
- 31 PARCEL ID: FV1-38 / FENTRESS VILLAGE
- 32 PARCEL ID: FV1-37 / FENTRESS GEORGE JR / 2230 JUNC ON RD, FALLS OF ROUGH, KY 40119
- 33 PARCEL ID: FV1-36 / FENTRESS VILLAGE
- 34 PARCEL ID: FV1-35 / FENTRESS VILLAGE
- 35 PARCEL ID: FV1-34 / FENTRESS VILLAGE
- 36 PARCEL ID: FV1-33 / BARRET ROGER D & CATHRYN / PO BOX 62, MCDANIELS, KY 40152
- 37 PARCEL ID: FV1-32 / FENTRESS VILLAGE



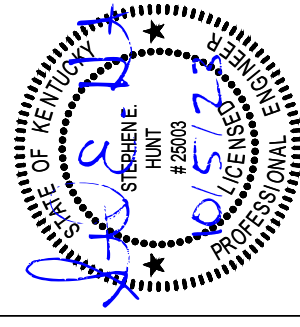


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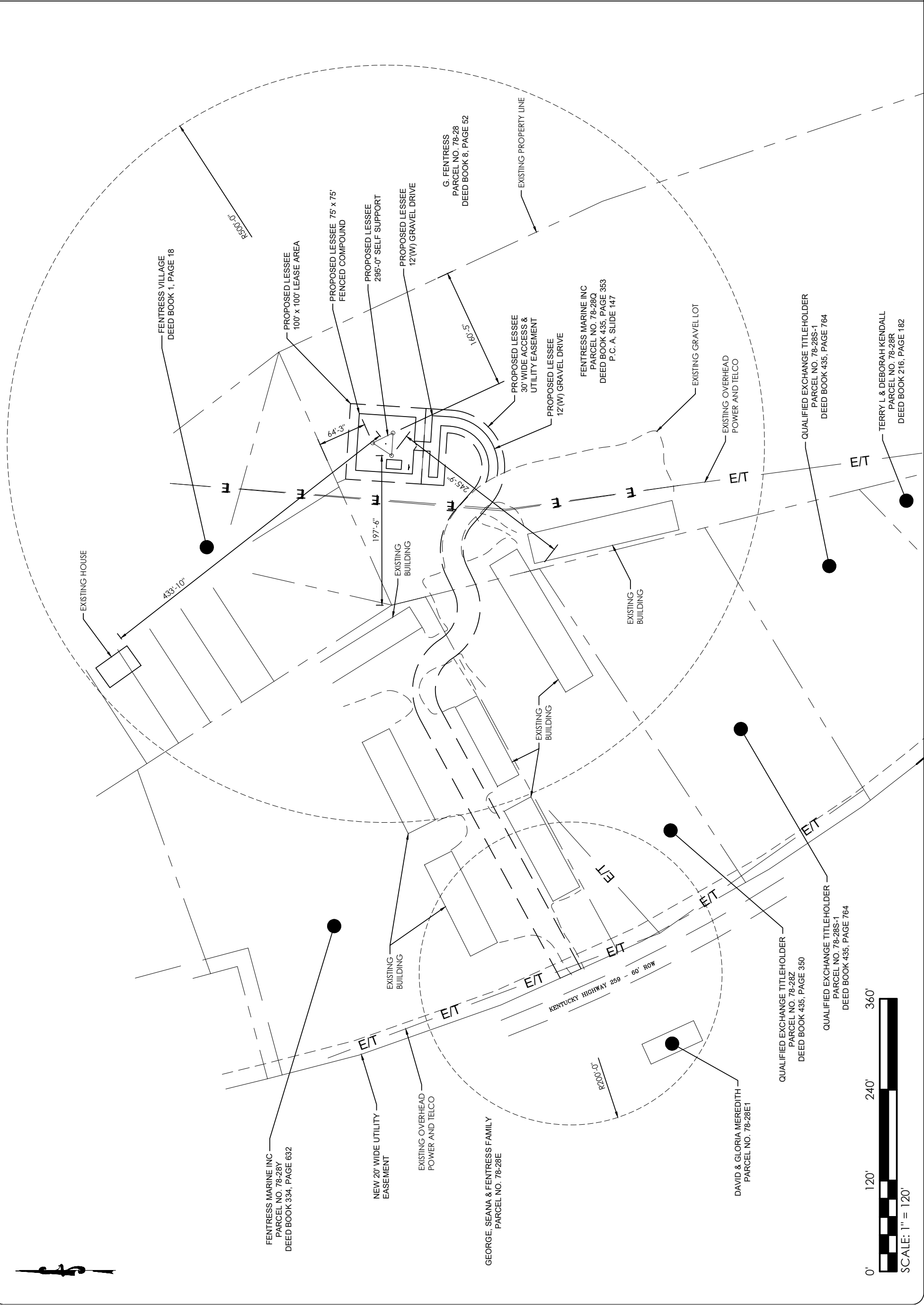


FUZE ID :	617291389
SITE NAME :	CK MCDANIELS
SITE # / LOCATION CODE :	725001

SITE ADDRESS :	9879 KY-259 MCDANIELS, KY 40152
SITE TYPE :	RAWLAND

SHEET TITLE :	OVERALL SITE LAYOUT
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DRAWING # :	Z5	REVISION :	E
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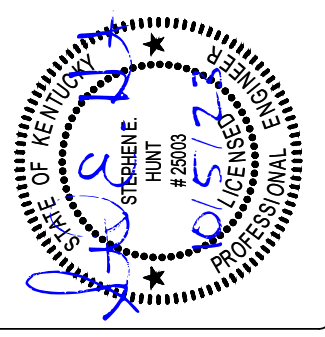


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FUZE ID : 617291389

SITE NAME : CK MCDANIELS

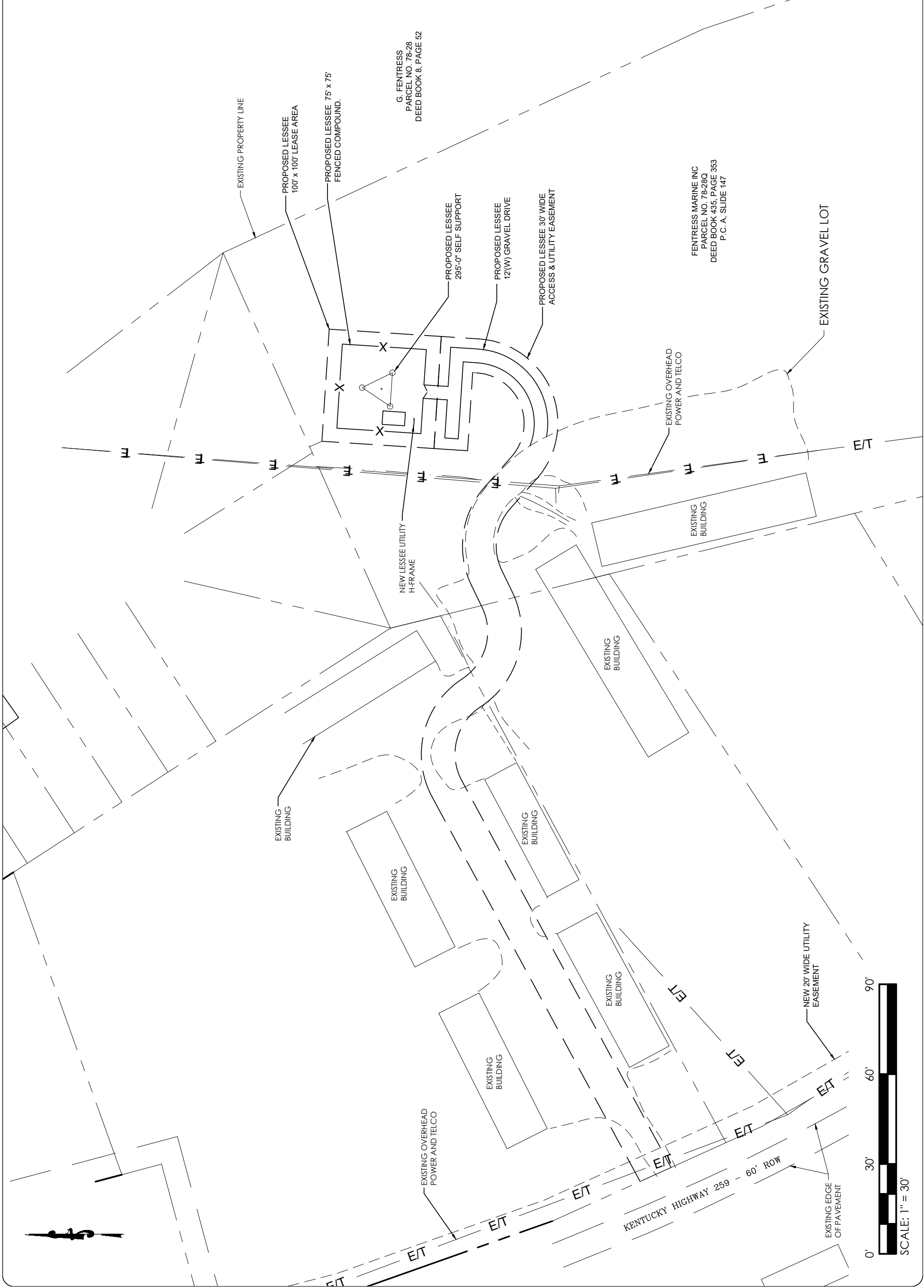
SITE # / LOCATION CODE : 725001

SITE ADDRESS : 9879 KY-259
MCDANIELS, KY 40152

SITE TYPE : RAWLAND

SHEET TITLE : SITE PLAN

DRAWING # :	Z6	REVISION :	E
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G. FENTRESS
PARCEL NO. 78-28
DEED BOOK 8, PAGE 52

FENTRESS MARINE INC
PARCEL NO. 78-28Q
DEED BOOK 435, PAGE 353
P.C. A, SLIDE 147

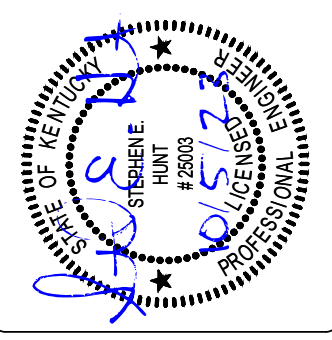


1961 NORTHPOINT BLVD.
SUITE 130
HIYSON, TN 37343
PH : 423-843-9500
FAX : 423-843-9509

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REVISIONS	
#	DESCRIPTION
E	10/05/23 PLS ZONING ISSUE
D	09/18/23 PLS ZONING ISSUE
C	09/12/23 M.J.B ZONING ISSUE
B	01/18/23 M.J.B ZONING ISSUE
A	12/21/22 M.J.B ZONING ISSUE



FUZE ID : 617291389

SITE NAME : CK MCDANIELS

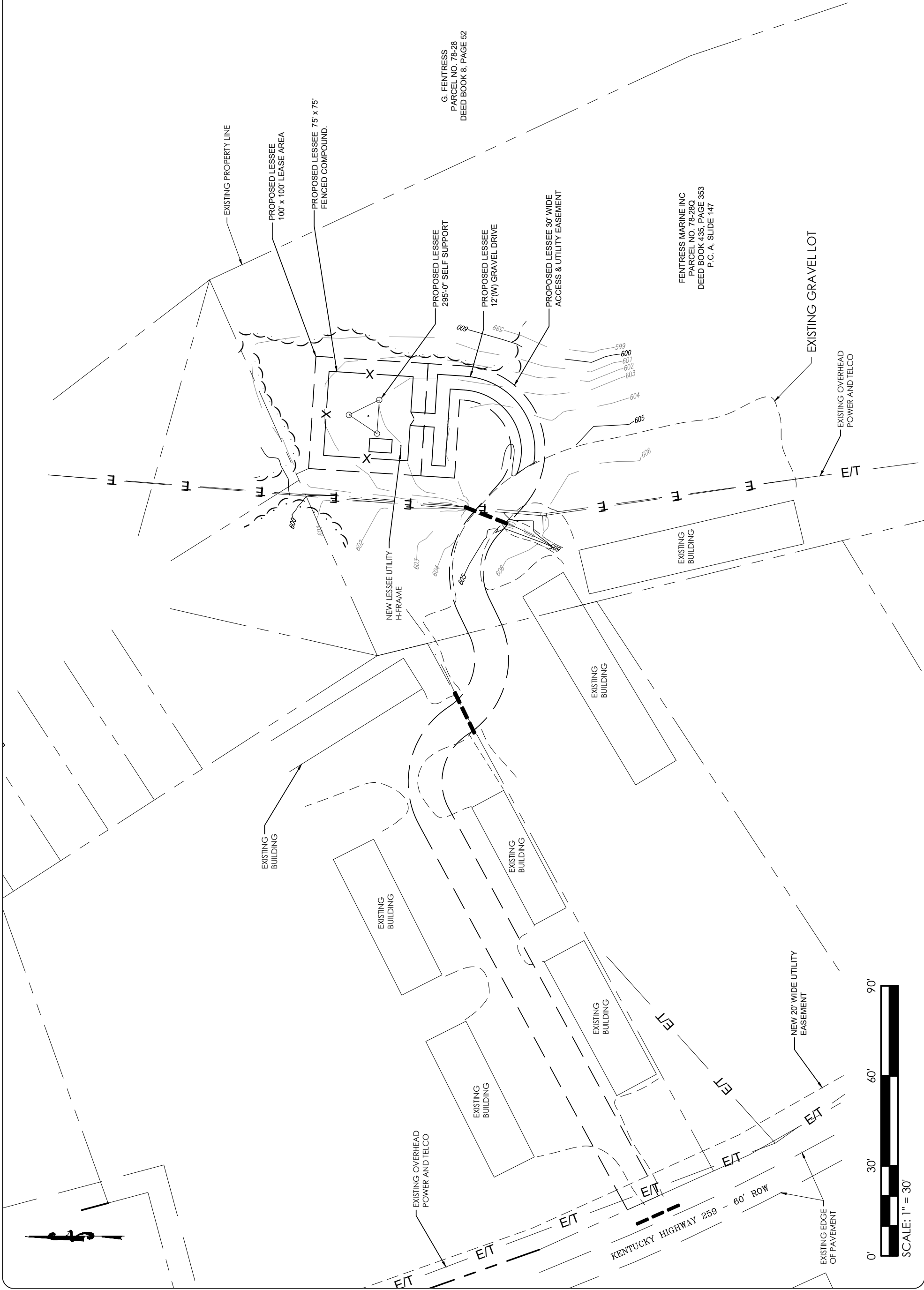
SITE # / LOCATION CODE : 725001

SITE ADDRESS : 9879 KY-259
MCDANIELS, KY 40152

SITE TYPE : RAWLAND

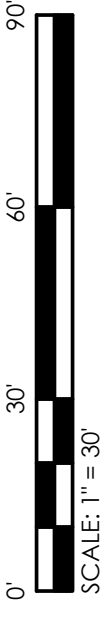
SHEET TITLE : EROSION CONTROL SITE PLAN

DRAWING # :	Z7	REVISION :	E
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G. FENTRESS
PARCEL NO. 78-28
DEED BOOK 8, PAGE 52

FENTRESS MARINE INC
PARCEL NO. 78-28Q
DEED BOOK 435, PAGE 353
P.C.A. SLIDE 147



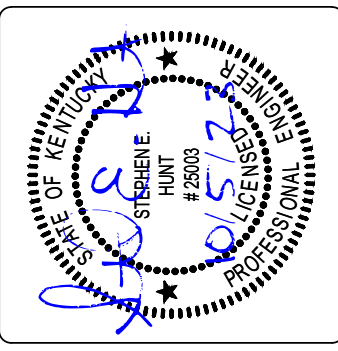


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A	12/21/22 M.J.B ZONING ISSUE



FUZE ID : 617291389

SITE NAME : CK MCDANIELS

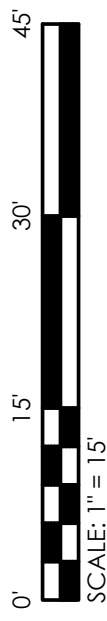
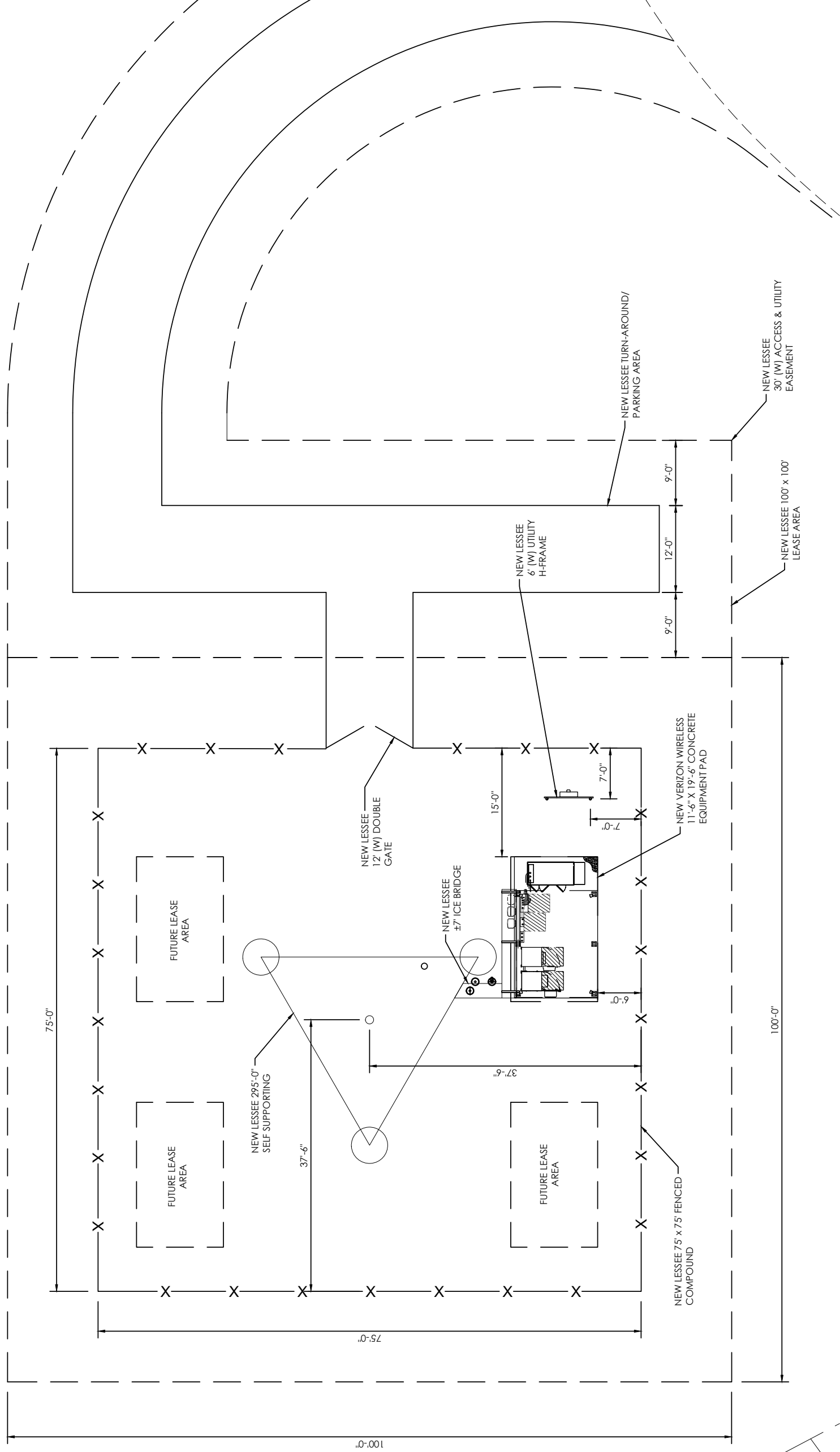
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SITE ADDRESS : 9879 KY-259
MCDANIELS, KY 40152

SITE TYPE : RAWLAND

SHEET TITLE : DIMENSION SITE PLAN

DRAWING # :	Z8	REVISION :	E
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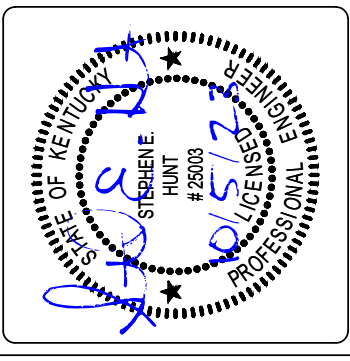


TeleCAD Wireless
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D	09/18/23	PLS ZONING ISSUE
C	09/12/23	MJB ZONING ISSUE
B	01/18/23	MJB ZONING ISSUE
A	12/21/22	MJB ZONING ISSUE



verizon

FUZE ID : 617291389

SITE NAME : CK MCDANIELS

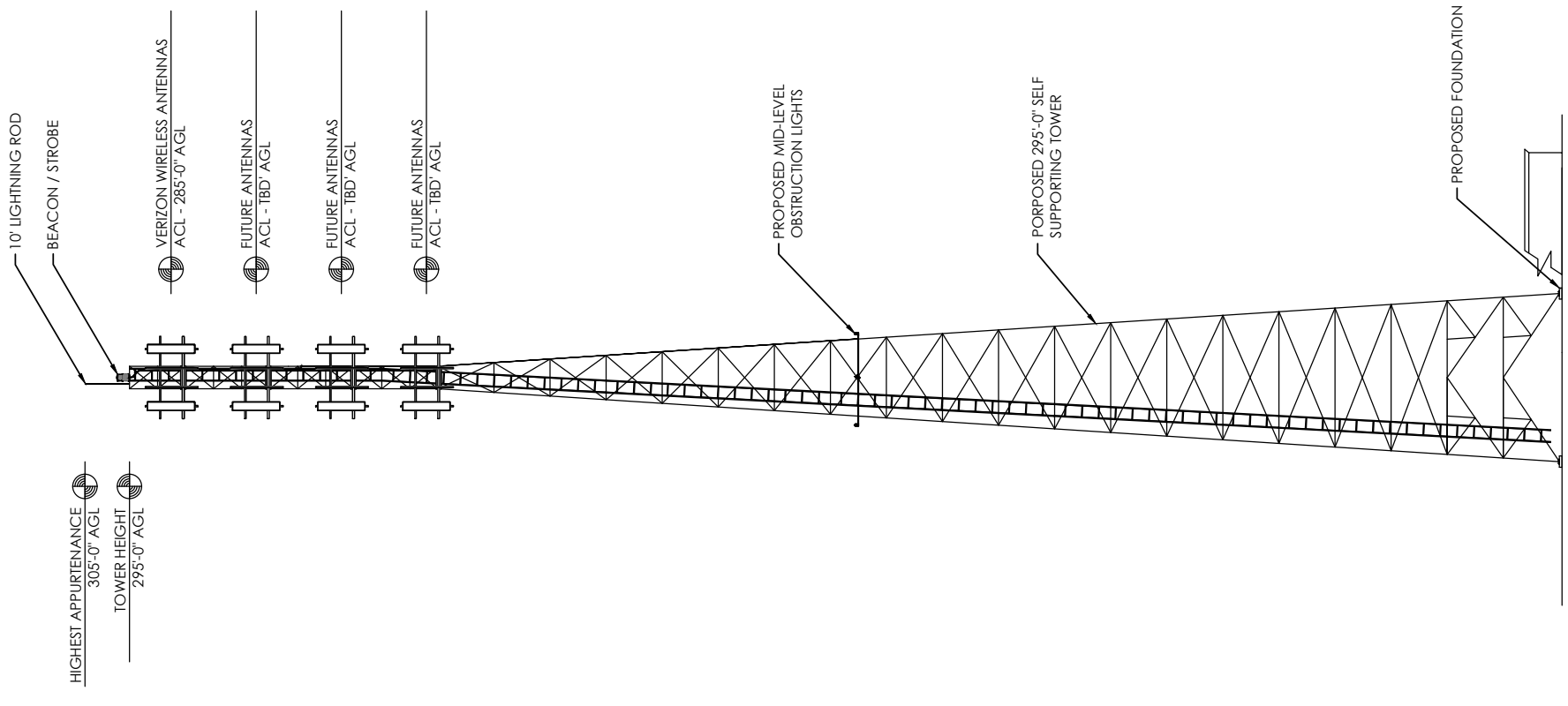
SITE # / LOCATION CODE : 725001

SITE ADDRESS : 9879 KY-259
 MCDANIELS, KY 40152

SITE TYPE: RAWLAND

SHEET TITLE : TOWER ELEVATION

DRAWING # : Z9
 REVISION : E



TOWER ELEVATION
 NIS

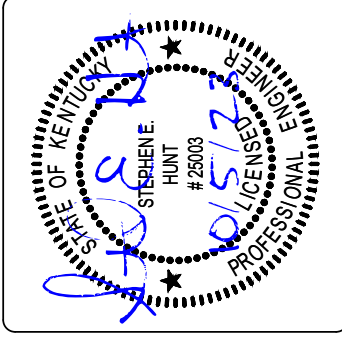


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SUITE 130
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PH : 423-843-9500
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REVISIONS	
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D	09/18/23 PLS ZONING ISSUE
C	09/12/23 M.JB ZONING ISSUE
B	01/18/23 M.JB ZONING ISSUE
A	12/21/22 M.JB ZONING ISSUE

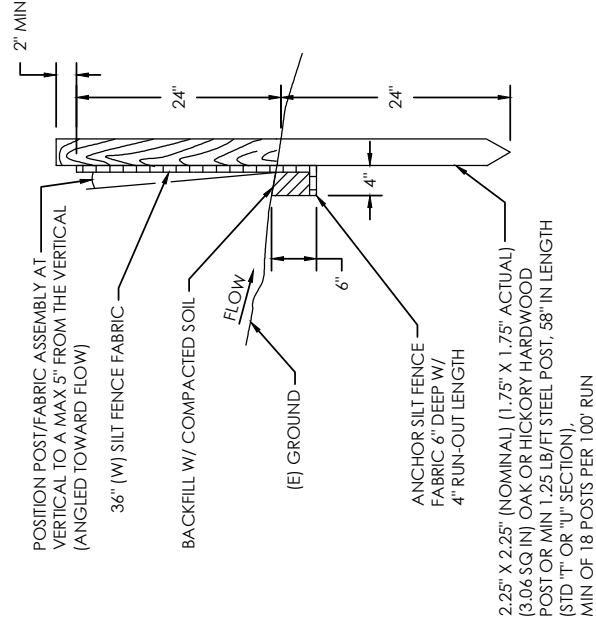


FUZE ID :	617291389
SITE NAME :	CK MCDANIELS
SITE # / LOCATION CODE :	725001

SITE ADDRESS :	9879 KY-259 MCDANIELS, KY 40152
SITE TYPE :	RAWLAND

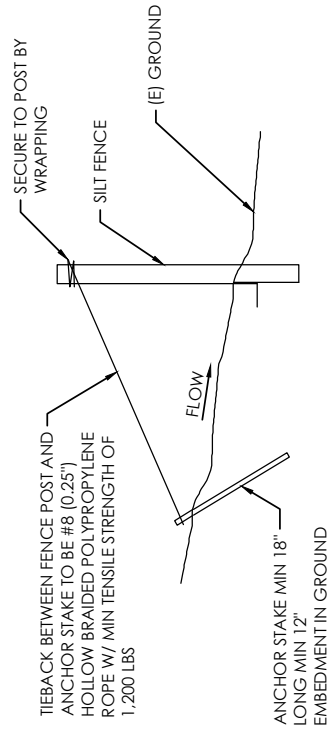
SHEET TITLE :	SITE DETAILS
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DRAWING # :	Z10	REVISION :	E
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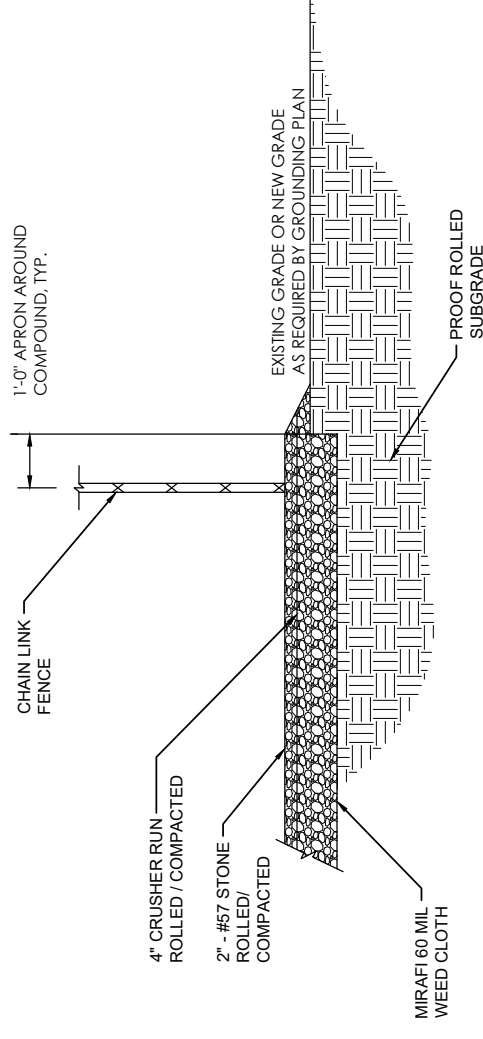


SECTIONAL VIEW

SILT FENCE DETAIL ①
N/S



SILT FENCE TIEBACK FOR STEEL OR WOOD POSTS



COMPOUND SURFACING ②
N/S

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 2881.

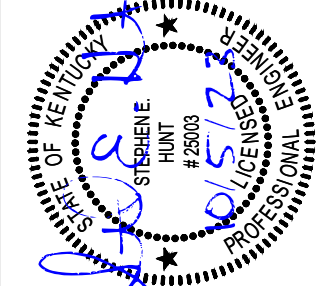
CHECK LOCAL CODES FOR BARBED WIRE REQUIREMENTS.

TeleCAD Wireless
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C	09/12/23 MJB ZONING ISSUE
B	01/18/23 MJB ZONING ISSUE
A	12/21/22 MJB ZONING ISSUE
#	DATE BY DESCRIPTION



Verizon

FUZE ID : 617291389

SITE NAME : CK MCDANIELS

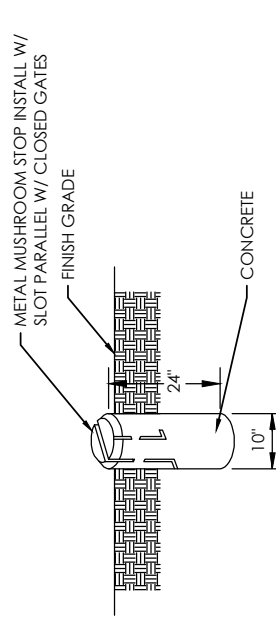
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SITE ADDRESS : 9879 KY-289 MCDANIELS, KY 40152

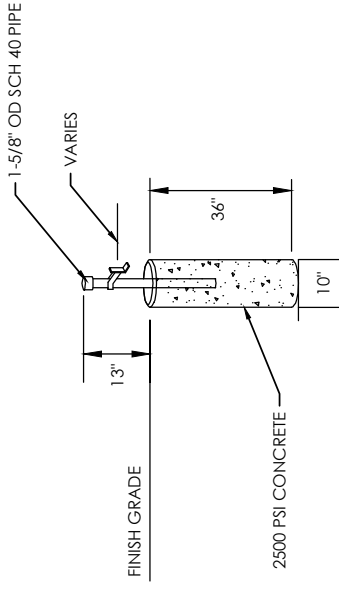
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SHEET TITLE : SITE DETAILS

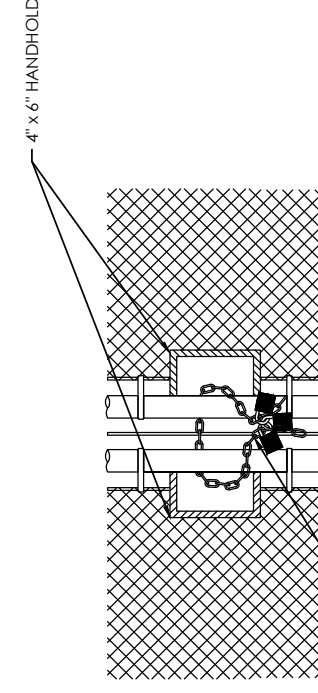
DRAWING # :	Z11	REVISION :	E
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MUSHROOM STOP
NTS

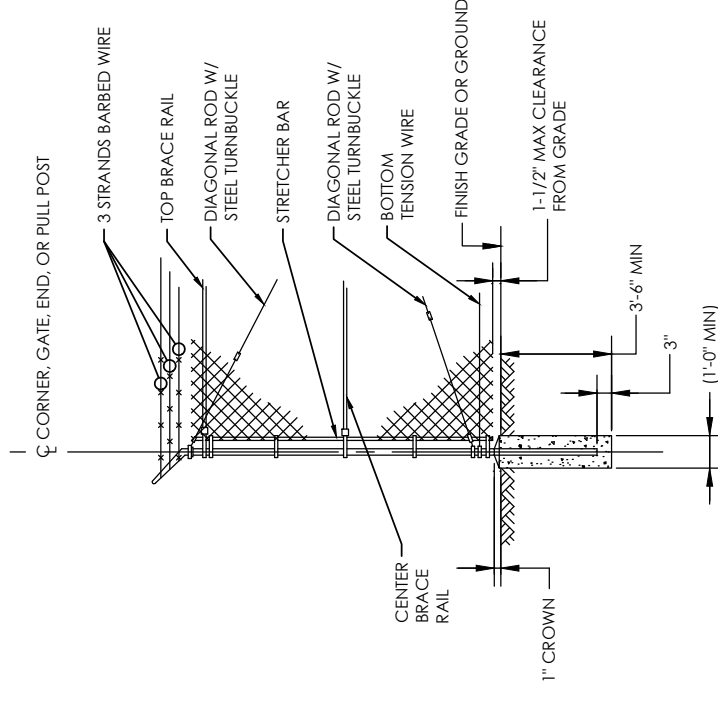


GATE STOP DETAIL
NTS



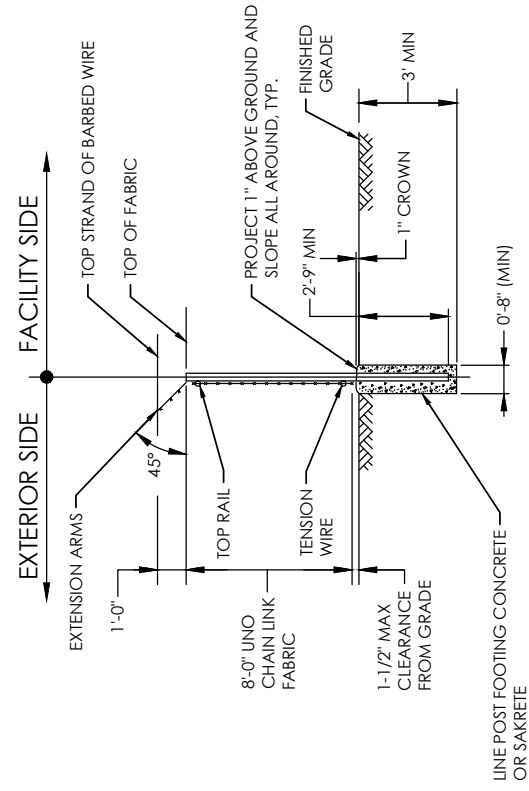
FENCE LOCK DETAIL
NTS

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



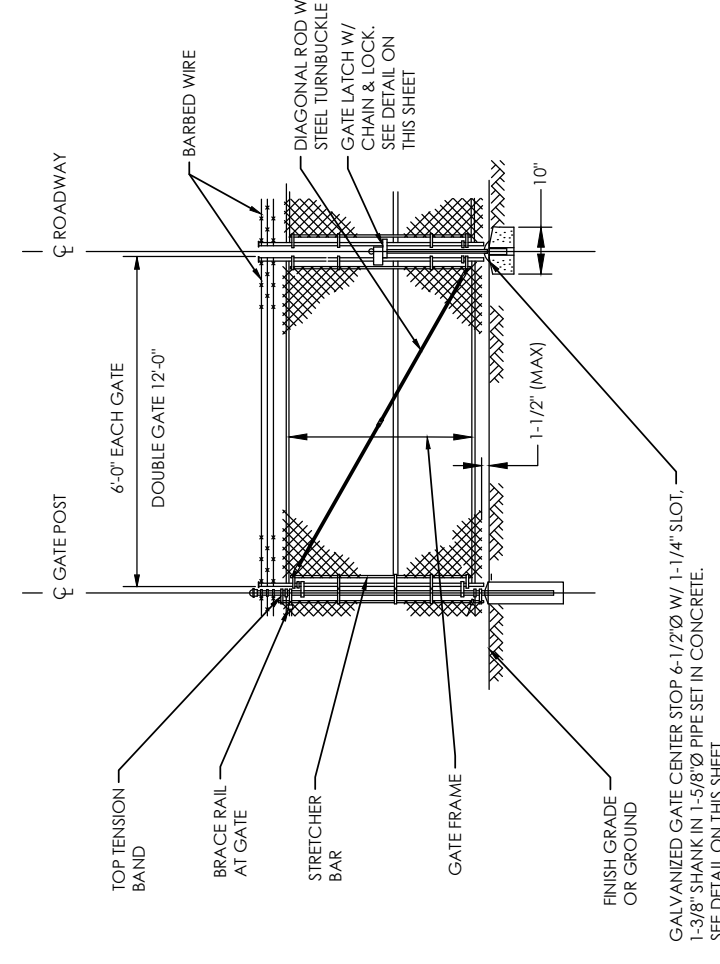
WOVEN WIRE CORNER, GATE, END OR PULL POST
NTS

2



WOVEN WIRE FENCE
NTS

1



WOVEN WIRE DOUBLE GATE
NTS

3



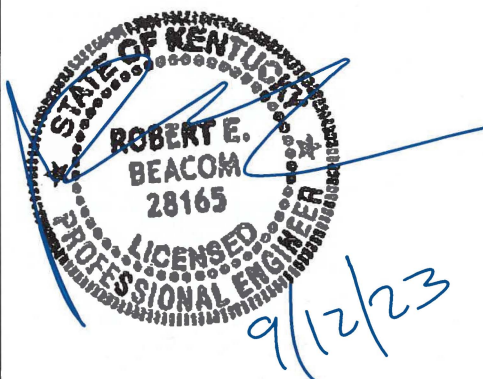
Structural Design Report
290' S3TL Series HD1 Self-Supporting Tower
Site: McDaniel's, KY
Site Number: KY0097

Prepared for: TOWERCO LLC
by: Sabre Industries™

Job Number: 24-1830-JDS Opt. 1

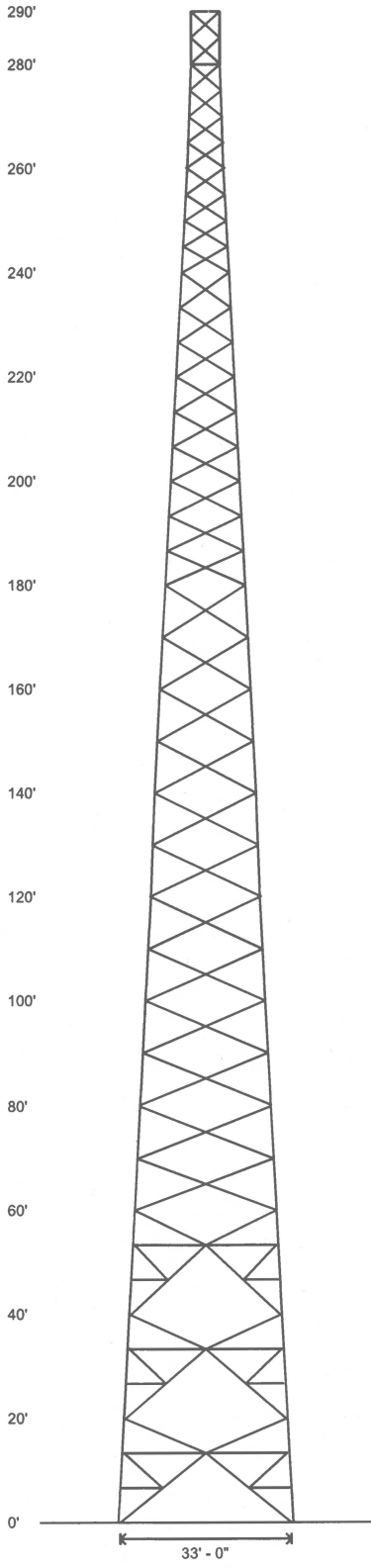
September 12, 2023

Tower Profile.....	1-2
Foundation Design Summary.....	3
Maximum Leg Loads.....	4
Maximum Diagonal Loads.....	5
Maximum Foundation Loads.....	6
Calculations.....	7-26



Digitally Signed By Robert Beacom
DN: c=US, st=Texas, l=Alvarado, o=SABRE INDUSTRIES, INC., cn=Robert Beacom, email=rebeacom@sabreindustries.com Date: 2023.09.12 14:29:14

Legs	A		8.625 OD X .500		8.625 OD X .322		5.563 OD X .375		2.875 OD X .276					
Diagonals	D	E	F	E	L 3 1/2 X 3 1/2 X 1/4	L 3 X 3 X 1/4	L 2 1/2 X 2 1/2 X 3/16	C	H					
Horizontals	I	J	K	K	L 4 X 4 X 1/4	L 3 X 3 X 1/4	L 3 X 3 X 3/16	G	G					
Internals	K	J	L	L	NONE	NONE	NONE		H					
Sub-Diagonals	M	J	M	M	NONE	NONE	NONE		J					
Sub-Horizontals	L	J	N	N	NONE	NONE	NONE		H					
Brace Bolts	(2) 3/4"		(2) 5/8"		(1) 3/4"		(1) 5/8"							
Top Face Width	31'	29'	27'	25'	23'	21'	19'	17'	15'	13'	11'	9'	7'	5'
Panel Count/Height	O	P	O	P	O	P	O	P	O	P	O	P	O	P
Section Weight	7796	6881	6406	5406	5253	5013	4654	3597	3274	3145	2459	2211	1762	1225
	9 @ 6.6667'													



Designed Appurtenance Loading

Elev	Description	Tx-Line
285	3 EHD V-Boom - 12ft Face - 3ft Standoff	
285	(1) 42,000 sq.in. EPA (8000 lbs)	(12) 1 5/8"
273	3V-Boom - 12ft Face - 3ft Standoff	
273	(1) 20,000 Sq. Inches EPA (3,500 lbs)	(12) 1 5/8"
263	3V-Boom - 12ft Face - 3ft Standoff	
263	(1) 20,000 Sq. Inches EPA (3,500 lbs)	(12) 1 5/8"

Design Criteria - ANSI/TIA-222-G

Ultimate Wind Speed (No Ice)	115 mph
Wind Speed (Ice)	30 mph
Design Ice Thickness	0.75 in
Structure Class	II
Risk Category	II
Exposure Category	C
Topographic Category	1
Seismic Importance Factor, Ie	1.00
0.2-sec Spectral Response, Ss	0.292 g
1-sec Spectral Response, S1	0.135 g
Site Class	D (DEFAULT)
Seismic Design Category	D
Basic Seismic Force-Resisting System	Telecommunication Tower (Truss: Steel)

Base Reactions - Wind/Ice

Total Foundation		Individual Footing	
Shear (kips)	90.25	Shear (kips)	54.77
Axial (kips)	240.02	Compression (kips)	577
Moment (ft-kips)	15519	Uplift (kips)	491

Base Reactions - Seismic

Total Foundation		Individual Footing	
Shear (kips)	5.74	Shear (kips)	5.66
Axial (kips)	115.09	Compression (kips)	83
Moment (ft-kips)	1265	Uplift (kips)	19


Notes

- 1) All legs are A500 (50 ksi Min. Yield).
- 2) All braces are A572 Grade 50.
- 3) All brace bolts are A325-X.
- 4) The tower model is S3TL Series HD1.
- 5) Transmission lines are to be attached to standard 12 hole waveguide ladders with stackable hangers.
- 6) Azimuths are relative (not based on true north).
- 7) Foundation loads shown are maximums.
- 8) All unequal angles are oriented with the short leg vertical.
- 9) Weights shown are estimates. Final weights may vary.
- 10) This tower design and, if applicable, the foundation design(s) shown on the following page(s) also meet or exceed the requirements of the 2015 International Building Code.
- 11) Tower Rating: 99.23%
- 12) No grout is required under the base plates.

 <p>Sabre Industries 7101 Southbridge Drive P.O. Box 658 Sioux City, IA 51102-0658 Phone: (712) 258-6690 Fax: (712) 279-0814</p> <p><small>Information contained herein is the sole property of Sabre Communications Corporation, constitutes a trade secret as defined by Iowa Code Ch. 550 and shall not be reproduced, copied or used in whole or part for any purpose whatsoever without the prior written consent of Sabre Communications Corporation.</small></p>	Job:	24-1830-JDS Opt. 1
	Customer:	TOWERCO LLC
	Site Name:	McDaniel's, KY KY0097
	Description:	290' S3TL
	Date:	9/12/2023
	By:	REB

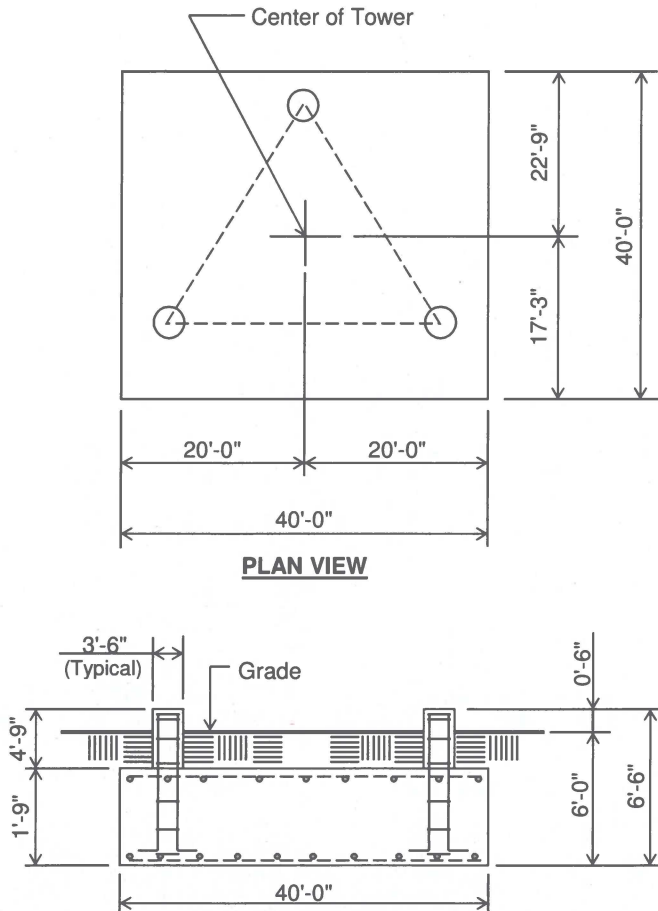
Material List

Display	Value	Display	Value
A	10.75 OD X .500	I	L 4 X 4 X 1/4
B	5.563 OD X .500	J	NONE
C	4.000 OD X .318	K	L 3 1/2 X 3 1/2 X 1/4
D	L 5 X 3 1/2 X 1/4	L	L 3 X 3 X 1/4
E	L 4 X 4 X 5/16	M	L 3 X 3 X 3/16
F	L 5 X 3 1/2 X 5/16	N	L 2 1/2 X 2 1/2 X 3/16
G	L 2 X 2 X 3/16	O	1 @ 13.333'
H	L 2 X 2 X 1/8	P	1 @ 6.667'

 <p>Sabre Industries INNOVATION DELIVERED</p>	<p>Sabre Industries 7101 Southbridge Drive P.O. Box 658 Sioux City, IA 51102-0658 Phone: (712) 258-6690 Fax: (712) 279-0814</p>	<p>Job: 24-1830-JDS Opt. 1</p>
	<p>Information contained herein is the sole property of Sabre Communications Corporation, constitutes a trade secret as defined by Iowa Code Ch. 550 and shall not be reproduced, copied or used in whole or part for any purpose whatsoever without the prior written consent of Sabre Communications Corporation.</p>	<p>Customer: TOWERCO LLC</p>
		<p>Site Name: McDaniel's, KY KY0097</p>
		<p>Description: 290' S3TL</p>
		<p>Date: 9/12/2023 By: REB</p>

Customer: TOWERCO LLC
Site: McDaniel's, KY KY0097

290 ft. Model S3TL Series HD1 Self Supporting Tower



PLAN VIEW

ELEVATION VIEW

(108.8 cu. yds.)
(1 REQD.; NOT TO SCALE)

CAUTION: Center of tower is not in center of slab.

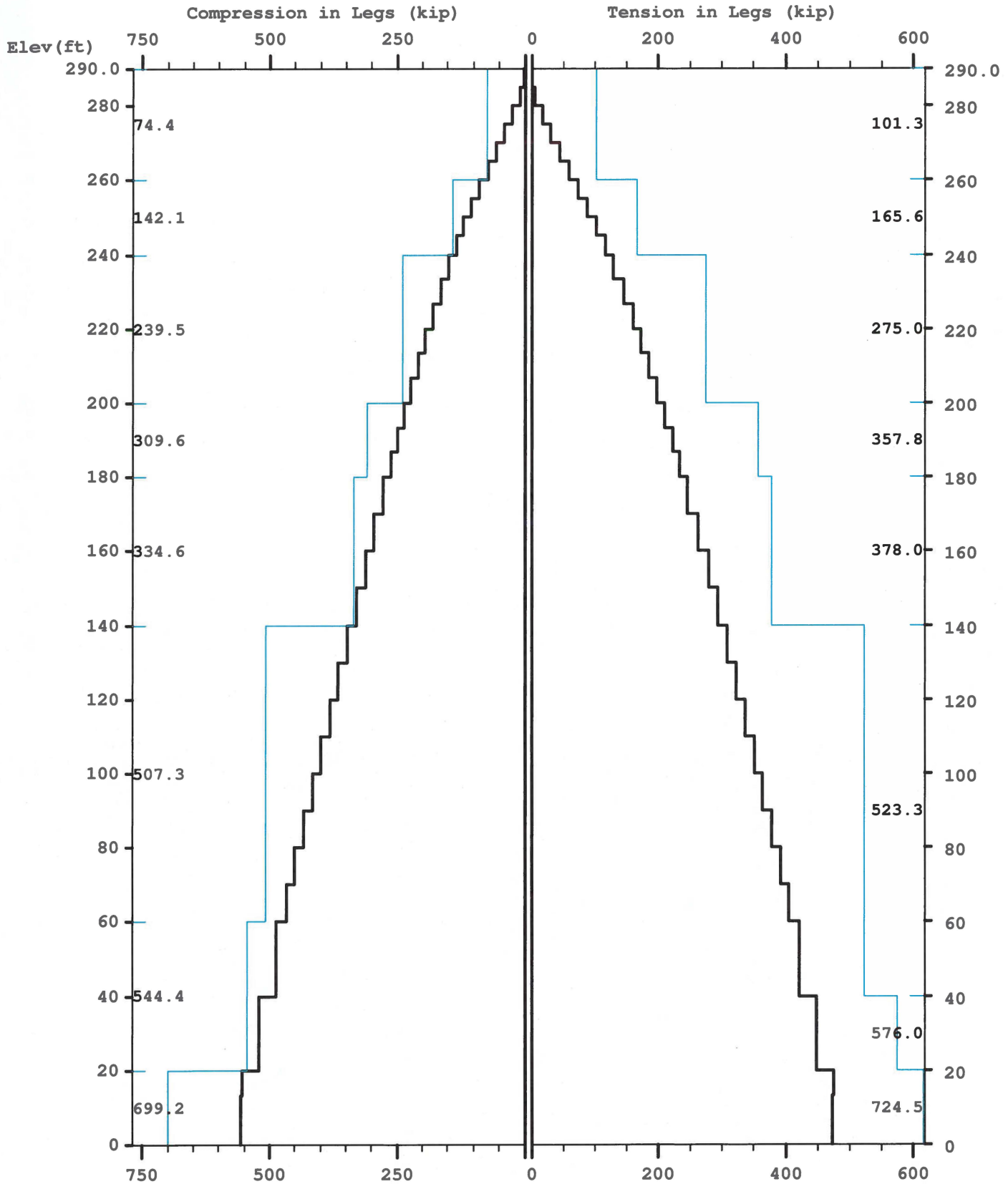
Notes:

- 1) Concrete shall have a minimum 28-day compressive strength of 4,500 psi, in accordance with ACI 318-11.
- 2) Rebar to conform to ASTM specification A615 Grade 60.
- 3) All rebar to have a minimum of 3" concrete cover.
- 4) All exposed concrete corners to be chamfered 3/4".
- 5) The foundation design is based on the geotechnical report by Delta Oaks Group project no. GEO23-19773-08, dated: 9/1/23.
- 6) See the geotechnical report for compaction requirements, if specified.
- 7) The foundation is based on the following factored loads:
Factored download (kips) = 100.45
Factored overturn (kip-ft) = 15,519.23
Factored shear (kips) = 90.25
- 8) 4.25' of soil cover is required over the entire area of the foundation slab.
- 9) The bottom anchor bolt template shall be positioned as closely as possible to the bottom of the anchor bolts.

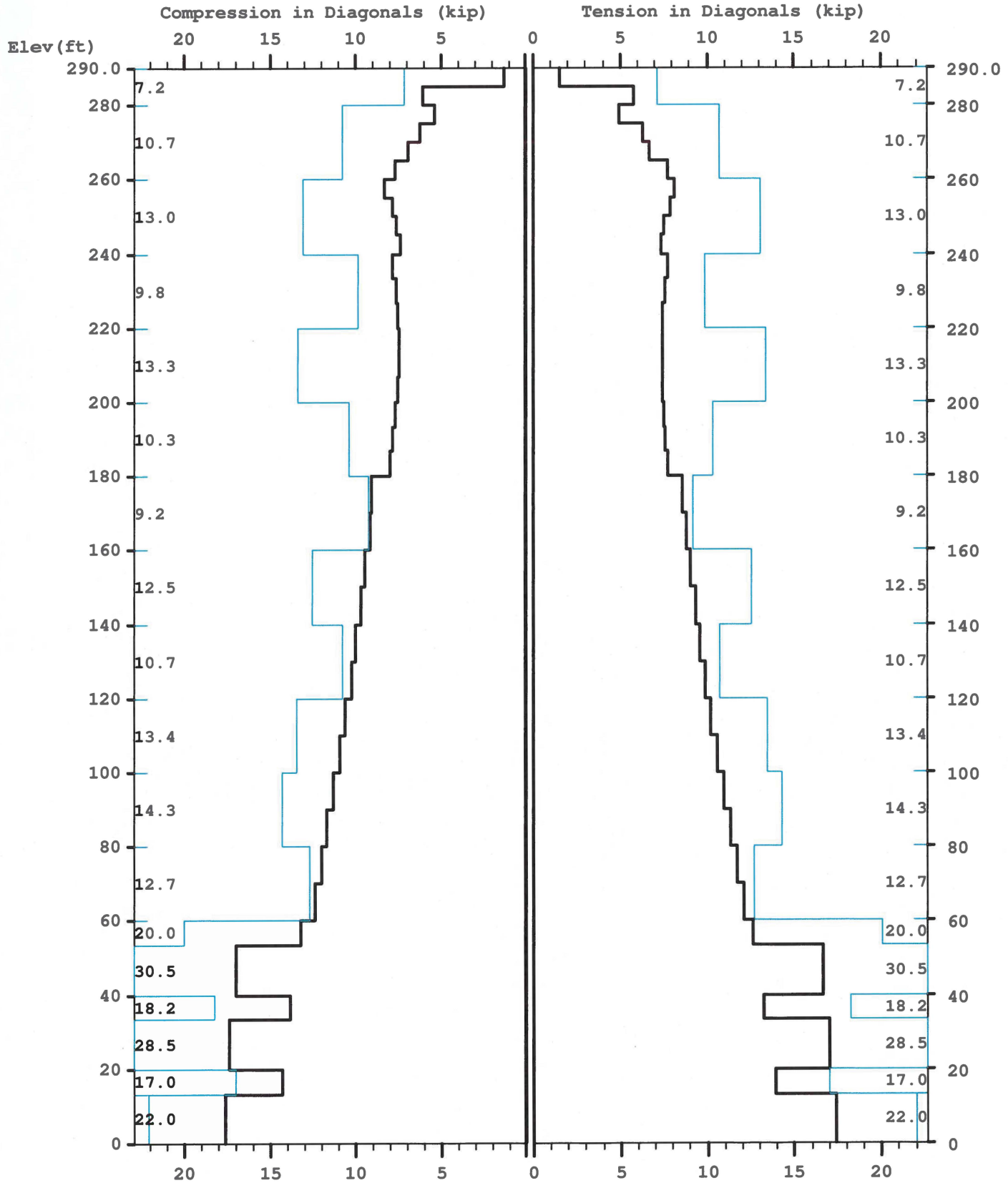
Rebar Schedule per Mat and per Pier	
Pier	(18) #9 vertical rebar w/ hooks at bottom w/ #4 rebar ties, two (2) within top 5" of pier then 11" C/C
Mat	(64) #9 horizontal rebar evenly spaced each way top and bottom. (256 total)
Anchor Bolts per Leg	
(6) 1.5" dia. x 78" F1554-105 on a 15.5" B.C. w/ 9.5" max. projection above concrete.	

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Maximum

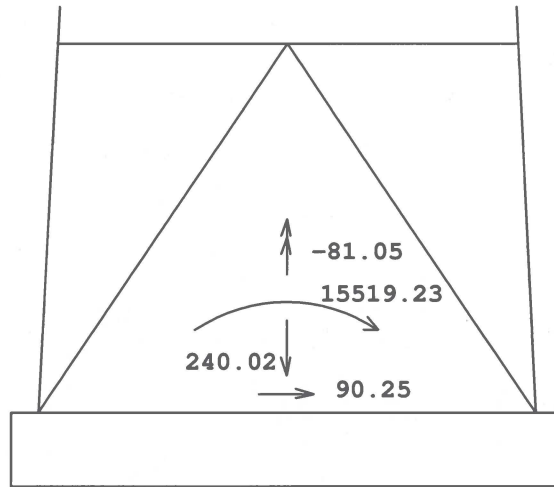


Maximum

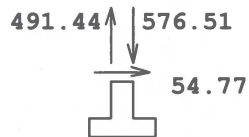
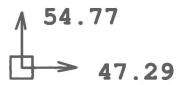


Maximum

TOTAL FOUNDATION LOADS (kip, ft-kip)



INDIVIDUAL FOOTING LOADS (kip)



MAST GEOMETRY (ft)
 =====

PANEL TYPE	NO. OF LEGS	ELEV. AT BOTTOM	ELEV. AT TOP	F.W. .AT BOTTOM	F.W. .AT TOP	TYPICAL PANEL HEIGHT
X	3	285.00	290.00	5.00	5.00	5.00
X	3	280.00	285.00	5.00	5.00	5.00
X	3	275.00	280.00	5.50	5.00	5.00
X	3	260.00	275.00	7.00	5.50	5.00
X	3	240.00	260.00	9.00	7.00	5.00
X	3	220.00	240.00	11.00	9.00	6.67
X	3	200.00	220.00	13.00	11.00	6.67
X	3	180.00	200.00	15.00	13.00	6.67
X	3	160.00	180.00	17.00	15.00	10.00
X	3	140.00	160.00	19.00	17.00	10.00
X	3	120.00	140.00	21.00	19.00	10.00
X	3	100.00	120.00	23.00	21.00	10.00
X	3	80.00	100.00	25.00	23.00	10.00
X	3	60.00	80.00	27.00	25.00	10.00
V	3	53.33	60.00	27.67	27.00	6.67
A	3	40.00	53.33	29.00	27.67	13.33
V	3	33.33	40.00	29.67	29.00	6.67
A	3	20.00	33.33	31.00	29.67	13.33
V	3	13.33	20.00	31.67	31.00	6.67
A	3	0.00	13.33	33.00	31.67	13.33

MEMBER PROPERTIES
 =====

MEMBER TYPE	BOTTOM ELEV ft	TOP ELEV ft	X-SECTN AREA in.sq	RADIUS OF GYRAT in	ELASTIC MODULUS ksi	THERMAL EXPANSN /deg
LE	260.00	290.00	2.254	0.924	29000.	0.0000117
LE	240.00	260.00	3.678	0.924	29000.	0.0000117
LE	200.00	240.00	6.111	0.924	29000.	0.0000117
LE	180.00	200.00	7.952	0.924	29000.	0.0000117
LE	140.00	180.00	8.399	0.924	29000.	0.0000117
LE	20.00	140.00	12.763	0.924	29000.	0.0000117
LE	0.00	20.00	16.101	0.924	29000.	0.0000117
DI	280.00	290.00	0.484	0.626	29000.	0.0000117
DI	260.00	280.00	0.715	0.626	29000.	0.0000117
DI	220.00	260.00	0.902	0.626	29000.	0.0000117
DI	180.00	220.00	1.090	0.626	29000.	0.0000117
DI	160.00	180.00	1.438	0.626	29000.	0.0000117
DI	120.00	160.00	1.688	0.626	29000.	0.0000117
DI	60.00	120.00	1.938	0.626	29000.	0.0000117
DI	53.33	60.00	2.402	0.626	29000.	0.0000117
DI	40.00	53.33	2.559	0.626	29000.	0.0000117
DI	33.33	40.00	2.402	0.626	29000.	0.0000117
DI	20.00	33.33	2.559	0.626	29000.	0.0000117
DI	13.33	20.00	2.402	0.626	29000.	0.0000117
DI	0.00	13.33	2.062	0.626	29000.	0.0000117
HO	285.00	290.00	0.484	0.626	29000.	0.0000117
HO	275.00	280.00	0.715	0.626	29000.	0.0000117
HO	40.00	53.33	1.688	0.626	29000.	0.0000117
HO	20.00	33.33	1.688	0.626	29000.	0.0000117
HO	0.00	13.33	1.938	0.626	29000.	0.0000117
BR	40.00	53.33	1.438	0.000	29000.	0.0000117
BR	20.00	33.33	1.438	0.000	29000.	0.0000117
BR	0.00	13.33	1.688	0.000	29000.	0.0000117

FACTORED MEMBER RESISTANCES
 =====

BOTTOM ELEV ft	TOP ELEV ft	LEGS		DIAGONALS		HORIZONTALS		INT BRACING	
		COMP kip	TENS kip	COMP kip	TENS kip	COMP kip	TENS kip	COMP kip	TENS kip

285.0	290.0	74.39	101.25	7.16	7.16	5.82	5.82	0.00	0.00
280.0	285.0	74.39	101.25	7.16	7.16	0.00	0.00	0.00	0.00
275.0	280.0	74.39	101.25	10.74	10.74	8.46	8.46	0.00	0.00
260.0	275.0	74.39	101.25	10.74	10.74	0.00	0.00	0.00	0.00
240.0	260.0	142.05	165.60	13.03	13.03	0.00	0.00	0.00	0.00
220.0	240.0	239.46	274.95	9.84	9.84	0.00	0.00	0.00	0.00
200.0	220.0	239.46	274.95	13.34	13.34	0.00	0.00	0.00	0.00
180.0	200.0	309.64	357.75	10.34	10.34	0.00	0.00	0.00	0.00
160.0	180.0	334.65	378.00	9.19	9.19	0.00	0.00	0.00	0.00
140.0	160.0	334.65	378.00	12.53	12.53	0.00	0.00	0.00	0.00
120.0	140.0	507.33	523.32	10.73	10.73	0.00	0.00	0.00	0.00
100.0	120.0	507.33	523.32	13.43	13.43	0.00	0.00	0.00	0.00
80.0	100.0	507.33	523.32	14.31	14.31	0.00	0.00	0.00	0.00
60.0	80.0	507.33	523.32	12.68	12.68	0.00	0.00	0.00	0.00
53.3	60.0	544.40	523.32	20.02	20.02	0.00	0.00	0.00	0.00
40.0	53.3	544.40	523.32	30.51	30.51	11.36	11.36	7.41	7.41
33.3	40.0	544.40	576.00	18.24	18.24	0.00	0.00	0.00	0.00
20.0	33.3	544.40	576.00	28.50	28.50	10.14	10.14	6.59	6.59
13.3	20.0	699.22	724.50	16.98	16.98	0.00	0.00	0.00	0.00
0.0	13.3	699.22	724.50	22.03	22.03	12.58	12.58	9.00	9.00

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 * Only 5 condition(s) shown in full
 =====

LOADING CONDITION A =====

115 mph Ultimate wind with no ice. Wind Azimuth: 0° (1.2 D + 1.0 Wo)

MAST LOADING
 =====

LOAD TYPE	ELEV ft	APPLY. RADIUS ft	LOAD. AT AZI	LOAD AZIFORCES.....	MOMENTS.....	
					HORIZ kip	DOWN kip	VERTICAL ft-kip	TORSNAL ft-kip
C	285.0	0.00	0.0	0.0	11.45	11.44	0.00	0.00
C	273.0	0.00	0.0	0.0	5.67	5.80	0.00	0.00
C	263.0	0.00	0.0	0.0	5.63	5.80	0.00	0.00
D	290.0	0.00	180.0	0.0	0.07	0.05	0.00	0.00
D	285.0	0.00	180.0	0.0	0.07	0.05	0.00	0.00
D	285.0	0.00	318.0	0.0	0.13	0.07	0.04	-0.09
D	280.0	0.00	318.0	0.0	0.13	0.07	0.04	-0.09
D	280.0	0.00	320.3	0.0	0.14	0.08	0.04	-0.09
D	275.0	0.00	320.3	0.0	0.14	0.08	0.04	-0.09
D	275.0	0.00	323.5	0.0	0.14	0.09	0.07	-0.10
D	270.0	0.00	323.5	0.0	0.14	0.09	0.07	-0.10
D	270.0	0.00	323.5	0.0	0.14	0.09	0.08	-0.10
D	265.0	0.00	323.5	0.0	0.14	0.09	0.08	-0.10
D	265.0	0.00	350.3	0.0	0.16	0.11	0.08	-0.05
D	260.0	0.00	350.3	0.0	0.16	0.11	0.08	-0.05
D	260.0	0.00	10.3	0.0	0.19	0.14	0.10	-0.01
D	240.0	0.00	7.0	0.0	0.20	0.15	0.09	-0.02
D	240.0	0.00	13.6	0.0	0.20	0.17	0.12	0.01
D	220.0	0.00	11.5	0.0	0.20	0.17	0.11	0.00
D	220.0	0.00	16.3	0.0	0.21	0.18	0.14	0.02
D	200.0	0.00	14.6	0.0	0.22	0.19	0.13	0.01
D	200.0	0.00	18.3	0.0	0.22	0.21	0.15	0.03
D	180.0	0.00	17.0	0.0	0.23	0.22	0.14	0.03
D	180.0	0.00	19.9	0.0	0.21	0.22	0.17	0.04
D	160.0	0.00	19.1	0.0	0.22	0.23	0.16	0.04
D	160.0	0.00	21.3	0.0	0.23	0.24	0.19	0.06
D	140.0	0.00	20.6	0.0	0.23	0.25	0.18	0.05
D	140.0	0.00	22.4	0.0	0.23	0.30	0.20	0.07
D	120.0	0.00	21.8	0.0	0.23	0.31	0.19	0.06
D	120.0	0.00	23.4	0.0	0.24	0.33	0.22	0.08
D	100.0	0.00	22.9	0.0	0.24	0.33	0.21	0.07
D	100.0	0.00	24.2	0.0	0.24	0.33	0.24	0.08
D	80.0	0.00	23.8	0.0	0.24	0.34	0.23	0.08
D	80.0	0.00	24.9	0.0	0.24	0.34	0.25	0.09
D	60.0	0.00	24.5	0.0	0.24	0.35	0.24	0.09
D	60.0	0.00	25.6	0.0	0.21	0.35	0.27	0.09
D	53.3	0.00	25.6	0.0	0.21	0.35	0.27	0.09
D	53.3	0.00	25.3	0.0	0.24	0.41	0.26	0.09
D	40.0	0.00	25.3	0.0	0.24	0.41	0.26	0.09

D	40.0	0.00	26.1	0.0	0.19	0.35	0.29	0.09
D	33.3	0.00	26.1	0.0	0.19	0.35	0.29	0.09
D	33.3	0.00	25.8	0.0	0.23	0.42	0.28	0.09
D	20.0	0.00	25.8	0.0	0.23	0.42	0.28	0.09
D	20.0	0.00	26.6	0.0	0.18	0.40	0.31	0.09
D	13.3	0.00	26.6	0.0	0.18	0.40	0.31	0.09
D	13.3	0.00	26.3	0.0	0.22	0.48	0.30	0.09
D	0.0	0.00	26.3	0.0	0.22	0.48	0.30	0.09

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LOADING CONDITION M
=====

115 mph Ultimate wind with no ice. Wind Azimuth: 0° (0.9 D + 1.0 Wo)

MAST LOADING

=====

LOAD TYPE	ELEV ft	APPLY. RADIUS ft	LOAD. AT AZI	LOAD AZIFORCES.....	MOMENTS.....	
					HORIZ kip	DOWN kip	VERTICAL ft-kip	TORSNAL ft-kip
C	285.0	0.00	0.0	0.0	11.45	8.58	0.00	0.00
C	273.0	0.00	0.0	0.0	5.67	4.35	0.00	0.00
C	263.0	0.00	0.0	0.0	5.63	4.35	0.00	0.00
D	290.0	0.00	180.0	0.0	0.07	0.04	0.00	0.00
D	285.0	0.00	180.0	0.0	0.07	0.04	0.00	0.00
D	285.0	0.00	318.0	0.0	0.13	0.05	0.03	-0.09
D	280.0	0.00	318.0	0.0	0.13	0.05	0.03	-0.09
D	280.0	0.00	320.3	0.0	0.14	0.06	0.03	-0.09
D	275.0	0.00	320.3	0.0	0.14	0.06	0.03	-0.09
D	275.0	0.00	323.5	0.0	0.14	0.06	0.05	-0.10
D	265.0	0.00	323.5	0.0	0.14	0.07	0.06	-0.10
D	265.0	0.00	350.3	0.0	0.16	0.08	0.06	-0.05
D	260.0	0.00	350.3	0.0	0.16	0.08	0.06	-0.05
D	260.0	0.00	10.3	0.0	0.19	0.11	0.08	-0.01
D	240.0	0.00	7.0	0.0	0.20	0.11	0.07	-0.02
D	240.0	0.00	13.6	0.0	0.20	0.13	0.09	0.01
D	220.0	0.00	11.5	0.0	0.20	0.13	0.08	0.00
D	220.0	0.00	16.3	0.0	0.21	0.14	0.10	0.02
D	200.0	0.00	14.6	0.0	0.22	0.14	0.09	0.01
D	200.0	0.00	18.3	0.0	0.22	0.16	0.11	0.03
D	180.0	0.00	17.0	0.0	0.23	0.16	0.11	0.03
D	180.0	0.00	19.9	0.0	0.21	0.17	0.13	0.04
D	160.0	0.00	19.1	0.0	0.22	0.17	0.12	0.04
D	160.0	0.00	21.3	0.0	0.23	0.18	0.14	0.06
D	140.0	0.00	20.6	0.0	0.23	0.18	0.13	0.05
D	140.0	0.00	22.4	0.0	0.23	0.23	0.15	0.07
D	120.0	0.00	21.8	0.0	0.23	0.23	0.15	0.06
D	120.0	0.00	23.4	0.0	0.24	0.24	0.16	0.08
D	100.0	0.00	22.9	0.0	0.24	0.25	0.16	0.07
D	100.0	0.00	24.2	0.0	0.24	0.25	0.18	0.08
D	80.0	0.00	23.8	0.0	0.24	0.25	0.17	0.08
D	80.0	0.00	24.9	0.0	0.24	0.26	0.19	0.09
D	60.0	0.00	24.5	0.0	0.24	0.26	0.18	0.09
D	60.0	0.00	25.6	0.0	0.21	0.26	0.20	0.09
D	53.3	0.00	25.6	0.0	0.21	0.26	0.20	0.09
D	53.3	0.00	25.3	0.0	0.24	0.31	0.20	0.09
D	40.0	0.00	25.3	0.0	0.24	0.31	0.20	0.09
D	40.0	0.00	26.1	0.0	0.19	0.27	0.22	0.09
D	33.3	0.00	26.1	0.0	0.19	0.27	0.22	0.09
D	33.3	0.00	25.8	0.0	0.23	0.32	0.21	0.09
D	20.0	0.00	25.8	0.0	0.23	0.32	0.21	0.09
D	20.0	0.00	26.6	0.0	0.18	0.30	0.23	0.09
D	13.3	0.00	26.6	0.0	0.18	0.30	0.23	0.09
D	13.3	0.00	26.3	0.0	0.22	0.36	0.22	0.09
D	0.0	0.00	26.3	0.0	0.22	0.36	0.22	0.09

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LOADING CONDITION Y
=====

30 mph wind with 0.75 ice. Wind Azimuth: 0° (1.2 D + 1.0 Di + 1.0 Wi)

MAST LOADING

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LOAD	ELEV	APPLY.	LOAD.	AT	LOADFORCES.....MOMENTS.....
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TYPE	ft	RADIUS ft	AZI	AZI	HORIZ kip	DOWN kip	VERTICAL ft-kip	TORSNAL ft-kip
C	285.0	0.00	0.0	0.0	1.42	28.61	0.00	0.00
C	273.0	0.00	0.0	0.0	0.74	13.28	0.00	0.00
C	263.0	0.00	0.0	0.0	0.73	13.25	0.00	0.00
D	290.0	0.00	180.0	0.0	0.01	0.20	0.00	0.00
D	285.0	0.00	180.0	0.0	0.01	0.20	0.00	0.00
D	285.0	0.00	318.0	0.0	0.01	0.25	0.18	-0.01
D	280.0	0.00	318.0	0.0	0.01	0.25	0.18	-0.01
D	280.0	0.00	320.3	0.0	0.02	0.30	0.19	-0.01
D	275.0	0.00	320.3	0.0	0.02	0.30	0.19	-0.01
D	275.0	0.00	323.2	0.0	0.01	0.28	0.25	-0.01
D	270.0	0.00	323.2	0.0	0.01	0.28	0.25	-0.01
D	270.0	0.00	323.5	0.0	0.01	0.30	0.28	-0.01
D	265.0	0.00	323.5	0.0	0.01	0.30	0.28	-0.01
D	265.0	0.00	356.9	0.0	0.02	0.36	0.28	0.00
D	260.0	0.00	356.9	0.0	0.02	0.36	0.28	0.00
D	260.0	0.00	18.8	0.0	0.02	0.45	0.39	0.00
D	255.0	0.00	18.8	0.0	0.02	0.45	0.39	0.00
D	255.0	0.00	17.7	0.0	0.02	0.46	0.38	0.00
D	250.0	0.00	17.7	0.0	0.02	0.46	0.38	0.00
D	250.0	0.00	16.6	0.0	0.02	0.46	0.36	0.00
D	240.0	0.00	15.5	0.0	0.02	0.47	0.35	0.00
D	240.0	0.00	22.0	0.0	0.02	0.48	0.44	0.00
D	233.3	0.00	22.0	0.0	0.02	0.48	0.44	0.00
D	233.3	0.00	20.9	0.0	0.02	0.49	0.42	0.00
D	226.7	0.00	20.9	0.0	0.02	0.49	0.42	0.00
D	226.7	0.00	19.9	0.0	0.02	0.50	0.41	0.00
D	220.0	0.00	19.9	0.0	0.02	0.50	0.41	0.00
D	220.0	0.00	24.6	0.0	0.02	0.53	0.50	0.00
D	213.3	0.00	24.6	0.0	0.02	0.53	0.50	0.00
D	213.3	0.00	23.8	0.0	0.02	0.54	0.48	0.00
D	206.7	0.00	23.8	0.0	0.02	0.54	0.48	0.00
D	206.7	0.00	23.0	0.0	0.02	0.55	0.46	0.00
D	200.0	0.00	23.0	0.0	0.02	0.55	0.46	0.00
D	200.0	0.00	26.7	0.0	0.02	0.58	0.55	0.00
D	193.3	0.00	26.7	0.0	0.02	0.58	0.55	0.00
D	193.3	0.00	26.0	0.0	0.02	0.59	0.53	0.00
D	186.7	0.00	26.0	0.0	0.02	0.59	0.53	0.00
D	186.7	0.00	25.4	0.0	0.02	0.59	0.52	0.00
D	180.0	0.00	25.4	0.0	0.02	0.59	0.52	0.00
D	180.0	0.00	28.2	0.0	0.02	0.57	0.60	0.00
D	170.0	0.00	28.2	0.0	0.02	0.57	0.60	0.00
D	170.0	0.00	27.4	0.0	0.02	0.58	0.58	0.00
D	160.0	0.00	27.4	0.0	0.02	0.58	0.58	0.00
D	160.0	0.00	29.5	0.0	0.02	0.62	0.66	0.01
D	150.0	0.00	29.5	0.0	0.02	0.62	0.66	0.01
D	150.0	0.00	28.9	0.0	0.02	0.63	0.63	0.00
D	140.0	0.00	28.9	0.0	0.02	0.63	0.63	0.00
D	140.0	0.00	30.6	0.0	0.02	0.69	0.71	0.01
D	130.0	0.00	30.6	0.0	0.02	0.69	0.71	0.01
D	130.0	0.00	30.1	0.0	0.02	0.70	0.68	0.01
D	120.0	0.00	30.1	0.0	0.02	0.70	0.68	0.01
D	120.0	0.00	31.4	0.0	0.02	0.74	0.76	0.01
D	100.0	0.00	31.0	0.0	0.02	0.75	0.73	0.01
D	100.0	0.00	32.1	0.0	0.02	0.75	0.81	0.01
D	80.0	0.00	31.8	0.0	0.02	0.76	0.78	0.01
D	80.0	0.00	32.7	0.0	0.02	0.77	0.85	0.01
D	60.0	0.00	32.4	0.0	0.02	0.78	0.83	0.01
D	60.0	0.00	33.1	0.0	0.02	0.72	0.89	0.01
D	53.3	0.00	33.1	0.0	0.02	0.72	0.89	0.01
D	53.3	0.00	32.9	0.0	0.02	0.95	0.87	0.01
D	40.0	0.00	32.9	0.0	0.02	0.95	0.87	0.01
D	40.0	0.00	33.2	0.0	0.02	0.72	0.91	0.01
D	33.3	0.00	33.2	0.0	0.02	0.72	0.91	0.01
D	33.3	0.00	33.2	0.0	0.02	0.94	0.90	0.01
D	20.0	0.00	33.2	0.0	0.02	0.94	0.90	0.01
D	20.0	0.00	29.3	0.0	0.02	0.66	0.42	0.01
D	13.3	0.00	29.3	0.0	0.02	0.66	0.42	0.01
D	13.3	0.00	32.4	0.0	0.02	0.93	0.72	0.01
D	0.0	0.00	32.4	0.0	0.02	0.93	0.72	0.01

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LOADING CONDITION k =====

Seismic - Azimuth: 0° (1.2 D + 1.0 Ev + 1.0 Eh)

MAST LOADING
=====

LOAD TYPE	ELEV ft	APPLY. RADIUS ft	LOAD. AT AZI	LOAD AZIFORCES.....	MOMENTS.....	
					HORIZ kip	DOWN kip	VERTICAL ft-kip	TORSNAL ft-kip
C	285.0	0.00	0.0	0.0	0.08	0.69	0.00	0.00
C	285.0	0.00	0.0	0.0	1.32	12.02	0.00	0.00
C	282.5	0.00	0.0	0.0	0.01	0.10	0.00	0.00
C	276.5	0.00	0.0	0.0	0.02	0.15	0.00	0.00
C	273.0	0.00	0.0	0.0	0.64	6.10	0.00	0.00
C	270.0	0.00	0.0	0.0	0.16	1.54	0.00	0.00
C	268.0	0.00	0.0	0.0	0.04	0.37	0.00	0.00
C	263.0	0.00	0.0	0.0	0.60	6.10	0.00	0.00
C	261.5	0.00	0.0	0.0	0.01	0.06	0.00	0.00
C	261.5	0.00	0.0	0.0	0.01	0.11	0.00	0.00
C	250.0	0.00	0.0	0.0	0.21	2.22	0.00	0.00
C	250.0	0.00	0.0	0.0	0.04	0.42	0.00	0.00
C	250.0	0.00	0.0	0.0	0.07	0.73	0.00	0.00
C	230.0	0.00	0.0	0.0	0.03	0.42	0.00	0.00
C	230.0	0.00	0.0	0.0	0.06	0.73	0.00	0.00
C	230.0	0.00	0.0	0.0	0.23	2.79	0.00	0.00
C	210.0	0.00	0.0	0.0	0.23	3.10	0.00	0.00
C	210.0	0.00	0.0	0.0	0.03	0.42	0.00	0.00
C	210.0	0.00	0.0	0.0	0.05	0.73	0.00	0.00
C	190.0	0.00	0.0	0.0	0.05	0.73	0.00	0.00
C	190.0	0.00	0.0	0.0	0.26	3.97	0.00	0.00
C	190.0	0.00	0.0	0.0	0.03	0.42	0.00	0.00
C	170.0	0.00	0.0	0.0	0.02	0.42	0.00	0.00
C	170.0	0.00	0.0	0.0	0.04	0.73	0.00	0.00
C	170.0	0.00	0.0	0.0	0.23	4.13	0.00	0.00
C	150.0	0.00	0.0	0.0	0.02	0.42	0.00	0.00
C	150.0	0.00	0.0	0.0	0.03	0.73	0.00	0.00
C	150.0	0.00	0.0	0.0	0.22	4.54	0.00	0.00
C	130.0	0.00	0.0	0.0	0.23	5.87	0.00	0.00
C	130.0	0.00	0.0	0.0	0.02	0.42	0.00	0.00
C	130.0	0.00	0.0	0.0	0.03	0.73	0.00	0.00
C	110.0	0.00	0.0	0.0	0.02	0.73	0.00	0.00
C	110.0	0.00	0.0	0.0	0.01	0.42	0.00	0.00
C	110.0	0.00	0.0	0.0	0.20	6.32	0.00	0.00
C	90.0	0.00	0.0	0.0	0.16	6.62	0.00	0.00
C	90.0	0.00	0.0	0.0	0.01	0.42	0.00	0.00
C	90.0	0.00	0.0	0.0	0.02	0.73	0.00	0.00
C	70.0	0.00	0.0	0.0	0.01	0.73	0.00	0.00
C	70.0	0.00	0.0	0.0	0.01	0.42	0.00	0.00
C	70.0	0.00	0.0	0.0	0.12	6.82	0.00	0.00
C	50.0	0.00	0.0	0.0	0.09	8.08	0.00	0.00
C	50.0	0.00	0.0	0.0	0.01	0.73	0.00	0.00
C	50.0	0.00	0.0	0.0	0.00	0.42	0.00	0.00
C	30.0	0.00	0.0	0.0	0.00	0.73	0.00	0.00
C	30.0	0.00	0.0	0.0	0.00	0.42	0.00	0.00
C	30.0	0.00	0.0	0.0	0.05	8.68	0.00	0.00
C	10.0	0.00	0.0	0.0	0.01	9.83	0.00	0.00
C	10.0	0.00	0.0	0.0	0.00	0.73	0.00	0.00
C	10.0	0.00	0.0	0.0	0.00	0.42	0.00	0.00
D	290.0	0.00	180.0	180.0	0.00	0.00	0.00	0.00
D	0.0	0.00	180.0	180.0	0.00	0.00	0.00	0.00

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LOADING CONDITION n =====

Seismic - Azimuth: 0° (0.9 D - 1.0 Ev + 1.0 Eh)

MAST LOADING
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LOAD TYPE	ELEV ft	APPLY. RADIUS ft	LOAD. AT AZI	LOAD AZIFORCES.....	MOMENTS.....	
					HORIZ kip	DOWN kip	VERTICAL ft-kip	TORSNAL ft-kip
C	285.0	0.00	0.0	0.0	0.08	0.46	0.00	0.00
C	285.0	0.00	0.0	0.0	1.32	8.00	0.00	0.00
C	282.5	0.00	0.0	0.0	0.01	0.07	0.00	0.00
C	276.5	0.00	0.0	0.0	0.02	0.10	0.00	0.00
C	273.0	0.00	0.0	0.0	0.64	4.06	0.00	0.00
C	270.0	0.00	0.0	0.0	0.16	1.03	0.00	0.00
C	268.0	0.00	0.0	0.0	0.04	0.24	0.00	0.00

C	263.0	0.00	0.0	0.0	0.60	4.06	0.00	0.00
C	261.5	0.00	0.0	0.0	0.01	0.04	0.00	0.00
C	261.5	0.00	0.0	0.0	0.01	0.07	0.00	0.00
C	250.0	0.00	0.0	0.0	0.21	1.48	0.00	0.00
C	250.0	0.00	0.0	0.0	0.04	0.28	0.00	0.00
C	250.0	0.00	0.0	0.0	0.07	0.49	0.00	0.00
C	230.0	0.00	0.0	0.0	0.03	0.28	0.00	0.00
C	230.0	0.00	0.0	0.0	0.06	0.49	0.00	0.00
C	230.0	0.00	0.0	0.0	0.23	1.86	0.00	0.00
C	210.0	0.00	0.0	0.0	0.23	2.06	0.00	0.00
C	210.0	0.00	0.0	0.0	0.03	0.28	0.00	0.00
C	210.0	0.00	0.0	0.0	0.05	0.49	0.00	0.00
C	190.0	0.00	0.0	0.0	0.05	0.49	0.00	0.00
C	190.0	0.00	0.0	0.0	0.26	2.64	0.00	0.00
C	190.0	0.00	0.0	0.0	0.03	0.28	0.00	0.00
C	170.0	0.00	0.0	0.0	0.02	0.28	0.00	0.00
C	170.0	0.00	0.0	0.0	0.04	0.49	0.00	0.00
C	170.0	0.00	0.0	0.0	0.23	2.75	0.00	0.00
C	150.0	0.00	0.0	0.0	0.02	0.28	0.00	0.00
C	150.0	0.00	0.0	0.0	0.03	0.49	0.00	0.00
C	150.0	0.00	0.0	0.0	0.22	3.02	0.00	0.00
C	130.0	0.00	0.0	0.0	0.23	3.90	0.00	0.00
C	130.0	0.00	0.0	0.0	0.02	0.28	0.00	0.00
C	130.0	0.00	0.0	0.0	0.03	0.49	0.00	0.00
C	110.0	0.00	0.0	0.0	0.02	0.49	0.00	0.00
C	110.0	0.00	0.0	0.0	0.01	0.28	0.00	0.00
C	110.0	0.00	0.0	0.0	0.20	4.21	0.00	0.00
C	90.0	0.00	0.0	0.0	0.16	4.41	0.00	0.00
C	90.0	0.00	0.0	0.0	0.01	0.28	0.00	0.00
C	90.0	0.00	0.0	0.0	0.02	0.49	0.00	0.00
C	70.0	0.00	0.0	0.0	0.01	0.49	0.00	0.00
C	70.0	0.00	0.0	0.0	0.01	0.28	0.00	0.00
C	70.0	0.00	0.0	0.0	0.12	4.54	0.00	0.00
C	50.0	0.00	0.0	0.0	0.09	5.37	0.00	0.00
C	50.0	0.00	0.0	0.0	0.01	0.49	0.00	0.00
C	50.0	0.00	0.0	0.0	0.00	0.28	0.00	0.00
C	30.0	0.00	0.0	0.0	0.00	0.49	0.00	0.00
C	30.0	0.00	0.0	0.0	0.00	0.28	0.00	0.00
C	30.0	0.00	0.0	0.0	0.05	5.77	0.00	0.00
C	10.0	0.00	0.0	0.0	0.01	6.54	0.00	0.00
C	10.0	0.00	0.0	0.0	0.00	0.49	0.00	0.00
C	10.0	0.00	0.0	0.0	0.00	0.28	0.00	0.00
D	290.0	0.00	180.0	180.0	0.00	0.00	0.00	0.00
D	0.0	0.00	180.0	180.0	0.00	0.00	0.00	0.00

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MAXIMUM TENSION IN MAST MEMBERS (kip)

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ELEV ft	LEGS	DIAG	HORIZ	BRACE
290.0	-----	-----	0.86 M	0.00 A
	0.67 S	1.52 G		
285.0	-----	-----	0.15 G	0.00 A
	3.23 M	5.74 M		
280.0	-----	-----	1.76 E	0.00 A
	16.86 M	4.95 R		
275.0	-----	-----	0.16 A	0.00 A
	29.27 M	6.31 F		
270.0	-----	-----	0.08 A	0.00 A
	42.99 M	6.66 R		
265.0	-----	-----	0.17 A	0.00 A
	57.14 M	7.72 L		
260.0	-----	-----	0.10 A	0.00 A
	72.80 M	8.15 X		
255.0	-----	-----	0.12 A	0.00 A
	88.23 M	7.87 L		
250.0	-----	-----	0.11 A	0.00 A
	102.42 M	7.53 R		
245.0	-----	-----	0.12 A	0.00 A
	115.63 M	7.38 L		
240.0	-----	-----	0.10 A	0.00 A
	129.85 M	7.76 R		
233.3	-----	-----	0.11 A	0.00 A
	145.13 M	7.59 J		
226.7	-----	-----	0.10 A	0.00 A
	159.39 M	7.44 P		
220.0	-----	-----	0.10 A	0.00 A
	172.87 M	7.44 J		

213.3	-----		0.07 A	0.00 A
	185.71 M	7.41 J		
206.7	-----		0.09 A	0.00 A
	198.02 M	7.47 J		
200.0	-----		0.07 A	0.00 A
	209.92 M	7.53 D		
193.3	-----		0.13 A	0.00 A
	221.40 M	7.62 J		
186.7	-----		0.06 A	0.00 A
	232.66 M	7.78 K		
180.0	-----		0.12 A	0.00 A
	246.10 M	8.60 J		
170.0	-----		0.12 A	0.00 A
	262.08 M	8.85 K		
160.0	-----		0.07 A	0.00 A
	277.44 M	9.01 K		
150.0	-----		0.11 A	0.00 A
	292.57 M	9.31 K		
140.0	-----		0.06 A	0.00 A
	307.32 M	9.59 K		
130.0	-----		0.06 A	0.00 A
	321.81 M	9.90 K		
120.0	-----		0.06 A	0.00 A
	336.07 M	10.21 K		
110.0	-----		0.06 A	0.00 A
	350.24 M	10.58 K		
100.0	-----		0.05 A	0.00 A
	364.28 M	10.94 K		
90.0	-----		0.05 A	0.00 A
	378.27 M	11.32 K		
80.0	-----		0.18 k	0.00 A
	392.16 M	11.72 K		
70.0	-----		0.07 S	0.00 A
	405.98 M	12.07 K		
60.0	-----		0.27 A	0.00 A
	422.15 M	12.61 W		
53.3	-----		0.90 Q	0.00 T
	421.17 M	16.60 K		
40.0	-----		0.24 A	0.00 A
	449.05 M	13.22 W		
33.3	-----		0.83 Q	0.00 G
	448.04 M	16.98 K		
20.0	-----		0.09 A	0.00 G
	475.47 M	13.87 K		
13.3	-----		0.79 Q	0.00 F
	474.33 M	17.38 K		
0.0	-----		0.00 A	0.00 A

MAXIMUM COMPRESSION IN MAST MEMBERS (kip)

ELEV ft	LEGS	DIAG	HORIZ	BRACE
290.0	-----		-1.03 G	0.00 A
	-1.11 A	-1.27 M		
285.0	-----		-0.11 M	0.00 A
	-10.31 e	-6.07 G		
280.0	-----		-1.50 O	0.00 A
	-23.68 G	-5.35 L		
275.0	-----		-0.07 S	0.00 A
	-39.25 G	-6.17 X		
270.0	-----		-0.06 S	0.00 A
	-54.31 G	-6.88 L		
265.0	-----		-0.10 S	0.00 A
	-71.27 G	-7.70 F		
260.0	-----		-0.08 S	0.00 A
	-88.72 G	-8.27 L		
255.0	-----		-0.09 S	0.00 A
	-104.99 G	-7.81 F		
250.0	-----		-0.09 S	0.00 A
	-119.71 G	-7.62 L		
245.0	-----		-0.09 S	0.00 A
	-133.75 G	-7.35 F		
240.0	-----		-0.09 S	0.00 A
	-148.75 G	-7.84 L		

233.3	-----			-0.09	S	0.00	A
	-165.21	G	-7.58	D			
226.7	-----			-0.08	S	0.00	A
	-180.49	G	-7.51	J			
220.0	-----			-0.08	S	0.00	A
	-195.17	G	-7.43	J			
213.3	-----			-0.06	S	0.00	A
	-209.16	G	-7.46	K			
206.7	-----			-0.08	S	0.00	A
	-222.73	G	-7.53	K			
200.0	-----			-0.06	S	0.00	A
	-235.91	G	-7.68	K			
193.3	-----			-0.11	S	0.00	A
	-248.78	G	-7.85	K			
186.7	-----			-0.05	S	0.00	A
	-261.46	G	-7.94	K			
180.0	-----			-0.10	S	0.00	A
	-276.69	G	-9.05	K			
170.0	-----			-0.10	S	0.00	A
	-294.90	G	-9.12	K			
160.0	-----			-0.06	S	0.00	A
	-312.54	G	-9.42	K			
150.0	-----			-0.09	S	0.00	A
	-330.04	G	-9.64	K			
140.0	-----			-0.05	S	0.00	A
	-347.35	G	-9.95	K			
130.0	-----			-0.05	S	0.00	A
	-364.62	G	-10.23	K			
120.0	-----			-0.05	S	0.00	A
	-381.76	G	-10.58	K			
110.0	-----			-0.05	S	0.00	A
	-398.91	G	-10.92	K			
100.0	-----			-0.04	S	0.00	A
	-416.00	G	-11.31	K			
90.0	-----			-0.04	S	0.00	A
	-433.09	G	-11.65	K			
80.0	-----			-0.03	E	0.00	A
	-450.17	G	-11.98	K			
70.0	-----			-0.09	A	0.00	A
	-467.21	G	-12.33	K			
60.0	-----			-0.24	S	0.00	A
	-486.46	G	-13.20	K			
53.3	-----			-1.08	K	0.00	A
	-487.77	G	-16.99	K			
40.0	-----			-0.21	S	0.00	A
	-520.50	G	-13.85	K			
33.3	-----			-1.01	K	0.00	M
	-521.84	G	-17.39	K			
20.0	-----			-0.08	S	0.00	M
	-554.35	G	-14.25	K			
13.3	-----			-0.97	K	0.00	L
	-555.86	G	-17.63	K			
0.0	-----			0.00	A	0.00	A

FORCE/RESISTANCE RATIO IN LEGS

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MAST ELEV ft	-- LEG COMPRESSION --			--- LEG TENSION ---		
	MAX COMP	COMP RESIST	FORCE/ RESIST RATIO	MAX TENS	TENS RESIST	FORCE/ RESIST RATIO
290.00	-----					
	1.11	74.39	0.01	0.67	101.25	0.01
285.00	-----					
	10.31	74.39	0.14	3.23	101.25	0.03
280.00	-----					
	23.68	74.39	0.32	16.86	101.25	0.17
275.00	-----					
	39.25	74.39	0.53	29.27	101.25	0.29
270.00	-----					
	54.31	74.39	0.73	42.99	101.25	0.42
265.00	-----					
	71.27	74.39	0.96	57.14	101.25	0.56
260.00	-----					
	88.72	142.05	0.62	72.80	165.60	0.44
255.00	-----					
	104.99	142.05	0.74	88.23	165.60	0.53
250.00	-----					
	119.71	142.05	0.84	102.42	165.60	0.62

245.00	133.75	142.05	0.94	115.63	165.60	0.70
240.00	148.75	239.46	0.62	129.85	274.95	0.47
233.33	165.21	239.46	0.69	145.13	274.95	0.53
226.67	180.49	239.46	0.75	159.39	274.95	0.58
220.00	195.17	239.46	0.82	172.87	274.95	0.63
213.33	209.16	239.46	0.87	185.71	274.95	0.68
206.67	222.73	239.46	0.93	198.02	274.95	0.72
200.00	235.91	309.64	0.76	209.92	357.75	0.59
193.33	248.78	309.64	0.80	221.40	357.75	0.62
186.67	261.46	309.64	0.84	232.66	357.75	0.65
180.00	276.69	334.65	0.83	246.10	378.00	0.65
170.00	294.90	334.65	0.88	262.08	378.00	0.69
160.00	312.54	334.65	0.93	277.44	378.00	0.73
150.00	330.04	334.65	0.99	292.57	378.00	0.77
140.00	347.35	507.33	0.68	307.32	523.32	0.59
130.00	364.62	507.33	0.72	321.81	523.32	0.61
120.00	381.76	507.33	0.75	336.07	523.32	0.64
110.00	398.91	507.33	0.79	350.24	523.32	0.67
100.00	416.00	507.33	0.82	364.28	523.32	0.70
90.00	433.09	507.33	0.85	378.27	523.32	0.72
80.00	450.17	507.33	0.89	392.16	523.32	0.75
70.00	467.21	507.33	0.92	405.98	523.32	0.78
60.00	486.46	544.40	0.89	422.15	523.32	0.81
53.33	487.77	544.40	0.90	421.17	523.32	0.80
40.00	520.50	544.40	0.96	449.05	576.00	0.78
33.33	521.84	544.40	0.96	448.04	576.00	0.78
20.00	554.35	699.22	0.79	475.47	724.50	0.66
13.33	555.86	699.22	0.79	474.33	724.50	0.65
0.00						

FORCE/RESISTANCE RATIO IN DIAGONALS

MAST ELEV ft	- DIAG COMPRESSION -			--- DIAG TENSION ---		
	MAX COMP	COMP RESIST	FORCE/ RESIST RATIO	MAX TENS	TENS RESIST	FORCE/ RESIST RATIO
290.00	1.27	7.16	0.18	1.52	7.16	0.21
285.00	6.07	7.16	0.85	5.74	7.16	0.80
280.00	5.35	10.74	0.50	4.95	10.74	0.46
275.00	6.17	10.74	0.57	6.31	10.74	0.59
270.00	6.88	10.74	0.64	6.66	10.74	0.62
265.00	7.70	10.74	0.72	7.72	10.74	0.72
260.00	8.27	13.03	0.63	8.15	13.03	0.63
255.00						

250.00	7.81	13.03	0.60	7.87	13.03	0.60
245.00	7.62	13.03	0.58	7.53	13.03	0.58
240.00	7.35	13.03	0.56	7.38	13.03	0.57
233.33	7.84	9.84	0.80	7.76	9.84	0.79
226.67	7.58	9.84	0.77	7.59	9.84	0.77
220.00	7.51	9.84	0.76	7.44	9.84	0.76
213.33	7.43	13.34	0.56	7.44	13.34	0.56
206.67	7.46	13.34	0.56	7.41	13.34	0.56
200.00	7.53	13.34	0.56	7.47	13.34	0.56
193.33	7.68	10.34	0.74	7.53	10.34	0.73
186.67	7.85	10.34	0.76	7.62	10.34	0.74
180.00	7.94	10.34	0.77	7.78	10.34	0.75
170.00	9.05	9.19	0.98	8.60	9.19	0.94
160.00	9.12	9.19	0.99	8.85	9.19	0.96
150.00	9.42	12.53	0.75	9.01	12.53	0.72
140.00	9.64	12.53	0.77	9.31	12.53	0.74
130.00	9.95	10.73	0.93	9.59	10.73	0.89
120.00	10.23	10.73	0.95	9.90	10.73	0.92
110.00	10.58	13.43	0.79	10.21	13.43	0.76
100.00	10.92	13.43	0.81	10.58	13.43	0.79
90.00	11.31	14.31	0.79	10.94	14.31	0.76
80.00	11.65	14.31	0.81	11.32	14.31	0.79
70.00	11.98	12.68	0.94	11.72	12.68	0.92
60.00	12.33	12.68	0.97	12.07	12.68	0.95
53.33	13.20	20.02	0.66	12.61	20.02	0.63
40.00	16.99	30.51	0.56	16.60	30.51	0.54
33.33	13.85	18.24	0.76	13.22	18.24	0.72
20.00	17.39	28.50	0.61	16.98	28.50	0.60
13.33	14.25	16.98	0.84	13.87	16.98	0.82
0.00	17.63	22.03	0.80	17.38	22.03	0.79

MAXIMUM INDIVIDUAL FOUNDATION LOADS: (kip)

LOAD COMPONENTS				TOTAL
NORTH	EAST	DOWN	UPLIFT	SHEAR
54.77 G	47.29 K	576.51 G	-491.44 M	54.77 G

MAXIMUM TOTAL LOADS ON FOUNDATION : (kip & kip-ft)

HORIZONTAL			DOWN	OVERTURNING			TORSION
NORTH	EAST	TOTAL		NORTH	EAST	TOTAL	
		@				@	
		0.0				0.0	
90.2	79.5	90.2	240.0	15519.2	13912.5	15519.2	-81.0
G	J	G	e	G	J	G	R

Latticed Tower Analysis (Unguyed)
 Processed under license at:

(c)2015 Guymast Inc. 416-736-7453

Sabre Towers and Poles

on: 12 sep 2023 at: 14:19:41

 ***** Service Load Condition *****

* Only 1 condition(s) shown in full

LOADING CONDITION A

60 mph wind with no ice. Wind Azimuth: 0° (1.0 D + 1.0 Wo)

MAST LOADING

LOAD TYPE	ELEV ft	APPLY. RADIUS ft	LOAD..AT AZI	LOAD AZIFORCES.....	MOMENTS.....	
					HORIZ kip	DOWN kip	VERTICAL ft-kip	TORSNAL ft-kip
C	285.0	0.00	0.0	0.0	3.25	9.53	0.00	0.00
C	273.0	0.00	0.0	0.0	1.61	4.84	0.00	0.00
C	263.0	0.00	0.0	0.0	1.60	4.84	0.00	0.00
D	290.0	0.00	180.0	0.0	0.02	0.04	0.00	0.00
D	285.0	0.00	180.0	0.0	0.02	0.04	0.00	0.00
D	285.0	0.00	318.0	0.0	0.04	0.06	0.03	-0.03
D	280.0	0.00	318.0	0.0	0.04	0.06	0.03	-0.03
D	280.0	0.00	320.3	0.0	0.04	0.07	0.04	-0.03
D	275.0	0.00	320.3	0.0	0.04	0.07	0.04	-0.03
D	275.0	0.00	323.5	0.0	0.04	0.07	0.06	-0.03
D	265.0	0.00	323.5	0.0	0.04	0.08	0.07	-0.03
D	265.0	0.00	350.3	0.0	0.05	0.09	0.07	-0.02
D	260.0	0.00	350.3	0.0	0.05	0.09	0.07	-0.02
D	260.0	0.00	10.3	0.0	0.05	0.12	0.09	0.00
D	240.0	0.00	7.0	0.0	0.06	0.12	0.08	0.00
D	240.0	0.00	13.6	0.0	0.06	0.14	0.10	0.00
D	220.0	0.00	11.5	0.0	0.06	0.14	0.09	0.00
D	220.0	0.00	16.3	0.0	0.06	0.15	0.11	0.01
D	200.0	0.00	14.6	0.0	0.06	0.16	0.10	0.00
D	200.0	0.00	18.3	0.0	0.06	0.18	0.13	0.01
D	180.0	0.00	17.0	0.0	0.07	0.18	0.12	0.01
D	180.0	0.00	19.9	0.0	0.06	0.19	0.14	0.01
D	160.0	0.00	19.1	0.0	0.06	0.19	0.13	0.01
D	160.0	0.00	21.3	0.0	0.07	0.20	0.15	0.02
D	140.0	0.00	20.6	0.0	0.07	0.20	0.15	0.01
D	140.0	0.00	22.4	0.0	0.07	0.25	0.17	0.02
D	120.0	0.00	21.8	0.0	0.07	0.26	0.16	0.02
D	120.0	0.00	23.4	0.0	0.07	0.27	0.18	0.02
D	100.0	0.00	22.9	0.0	0.07	0.27	0.18	0.02
D	100.0	0.00	24.2	0.0	0.07	0.28	0.20	0.02
D	80.0	0.00	23.8	0.0	0.07	0.28	0.19	0.02
D	80.0	0.00	24.9	0.0	0.07	0.29	0.21	0.03
D	60.0	0.00	24.5	0.0	0.07	0.29	0.20	0.02
D	60.0	0.00	25.6	0.0	0.06	0.29	0.23	0.03
D	53.3	0.00	25.6	0.0	0.06	0.29	0.23	0.03
D	53.3	0.00	25.3	0.0	0.07	0.35	0.22	0.03
D	40.0	0.00	25.3	0.0	0.07	0.35	0.22	0.03
D	40.0	0.00	26.1	0.0	0.06	0.30	0.24	0.03
D	33.3	0.00	26.1	0.0	0.06	0.30	0.24	0.03
D	33.3	0.00	25.8	0.0	0.07	0.35	0.23	0.03
D	20.0	0.00	25.8	0.0	0.07	0.35	0.23	0.03
D	20.0	0.00	26.6	0.0	0.05	0.34	0.26	0.03
D	13.3	0.00	26.6	0.0	0.05	0.34	0.26	0.03
D	13.3	0.00	26.3	0.0	0.06	0.40	0.25	0.03

D 0.0 0.00 26.3 0.0 0.06 0.40 0.25 0.03

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MAXIMUM MAST DISPLACEMENTS:

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ELEV ft	-----DEFLECTIONS (ft)-----			--TILTS (DEG)---		TWIST DEG
	NORTH	EAST	DOWN	NORTH	EAST	
290.0	1.121 G	1.027 J	0.018 G	0.508 G	0.472 J	-0.039 E
285.0	1.077 G	0.986 J	0.018 G	0.509 G	0.473 J	-0.039 E
280.0	1.031 G	0.944 J	0.017 G	0.506 G	0.470 J	-0.039 E
275.0	0.987 G	0.902 J	0.017 G	0.498 G	0.463 J	-0.039 E
270.0	0.943 G	0.862 J	0.016 G	0.487 G	0.451 J	-0.039 E
265.0	0.901 G	0.822 J	0.016 G	0.471 G	0.436 J	-0.039 F
260.0	0.859 G	0.784 J	0.015 G	0.451 G	0.417 J	-0.039 F
255.0	0.820 G	0.748 J	0.015 G	0.438 G	0.404 J	-0.039 F
250.0	0.782 G	0.712 J	0.014 G	0.422 G	0.389 J	-0.039 F
245.0	0.745 G	0.678 J	0.014 G	0.405 G	0.373 J	-0.038 F
240.0	0.710 G	0.646 J	0.013 G	0.387 G	0.356 J	-0.037 F
233.3	0.664 G	0.604 J	0.013 G	0.371 G	0.342 J	-0.036 F
226.7	0.621 G	0.564 J	0.013 G	0.356 G	0.327 J	-0.035 F
220.0	0.580 G	0.526 J	0.012 G	0.339 G	0.311 J	-0.033 F
213.3	0.540 G	0.490 J	0.012 G	0.323 G	0.296 J	-0.032 F
206.7	0.503 G	0.456 J	0.011 G	0.306 G	0.280 J	-0.031 F
200.0	0.467 G	0.424 J	0.011 G	0.288 G	0.264 J	-0.029 F
193.3	0.434 G	0.393 J	0.010 G	0.275 G	0.251 J	-0.028 F
186.7	0.402 G	0.364 J	0.010 G	0.262 G	0.239 J	-0.026 F
180.0	0.371 G	0.336 J	0.010 G	0.249 G	0.227 J	-0.025 F
170.0	0.328 G	0.297 J	0.009 G	0.229 G	0.209 J	-0.023 F
160.0	0.289 G	0.261 J	0.009 G	0.210 G	0.191 J	-0.021 F
150.0	0.253 G	0.228 J	0.008 G	0.190 G	0.173 J	-0.020 F
140.0	0.220 G	0.199 J	0.007 G	0.171 G	0.155 J	-0.018 F
130.0	0.190 G	0.171 J	0.007 G	0.158 G	0.144 J	-0.017 F
120.0	0.162 G	0.146 J	0.007 G	0.146 G	0.132 J	-0.015 F
110.0	0.137 G	0.123 J	0.006 G	0.133 G	0.121 J	-0.014 F
100.0	0.113 G	0.102 J	0.006 G	0.121 G	0.109 J	-0.012 F
90.0	0.092 G	0.083 J	0.005 G	0.108 G	0.098 J	-0.011 F
80.0	0.073 G	0.065 J	0.005 G	0.096 G	0.086 J	-0.009 F
70.0	0.054 G	0.049 J	0.004 G	0.083 G	0.075 J	-0.008 F
60.0	0.037 G	0.033 J	0.004 G	0.070 G	0.063 J	-0.006 F
53.3	0.030 G	0.027 J	0.003 G	0.062 G	0.056 J	-0.006 F
40.0	0.017 G	0.015 J	0.002 L	0.045 G	0.040 J	-0.004 F
33.3	0.013 G	0.011 J	0.002 L	0.037 G	0.033 J	-0.004 F
20.0	0.005 G	0.005 J	0.001 L	0.020 G	0.018 J	-0.002 F
13.3	0.003 G	0.002 J	0.001 L	0.013 G	0.012 J	-0.002 F
0.0	0.000 A	0.000 A	0.000 A	0.000 A	0.000 A	0.000 A

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MAXIMUM TENSION IN MAST MEMBERS (kip)

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ELEV ft	LEGS	DIAG	HORIZ	BRACE
290.0	-----	-----	0.19 A	0.00 A
	0.05 G	0.51 G		
285.0	-----	-----	0.05 G	0.00 A
	0.00 A	1.54 A		
280.0	-----	-----	0.59 I	0.00 A
	2.48 A	1.28 F		
275.0	-----	-----	0.07 A	0.00 A
	4.97 A	1.85 F		
270.0	-----	-----	0.03 A	0.00 A
	8.49 A	1.83 F		
265.0	-----	-----	0.07 A	0.00 A
	11.62 A	2.21 F		
260.0	-----	-----	0.04 A	0.00 A
	15.55 A	2.29 F		
255.0	-----	-----	0.05 A	0.00 A
	19.76 A	2.27 F		
250.0	-----	-----	0.04 A	0.00 A
	23.72 A	2.12 F		
245.0	-----	-----	0.04 A	0.00 A
	27.31 A	2.12 L		
240.0	-----	-----	0.04 A	0.00 A
	31.23 A	2.20 F		
233.3	-----	-----	0.04 A	0.00 A
	35.36 A	2.19 J		
226.7	-----	-----	0.03 A	0.00 A
	39.25 A	2.12 D		

220.0	-----		0.04 A	0.00 A
	42.86 A	2.15 J		
213.3	-----		0.02 A	0.00 A
	46.34 A	2.13 D		
206.7	-----		0.03 A	0.00 A
	49.62 A	2.16 J		
200.0	-----		0.02 A	0.00 A
	52.80 A	2.17 D		
193.3	-----		0.04 A	0.00 A
	55.84 A	2.21 J		
186.7	-----		0.02 A	0.00 A
	58.80 A	2.24 K		
180.0	-----		0.04 A	0.00 A
	62.35 A	2.49 J		
170.0	-----		0.04 A	0.00 A
	66.53 A	2.56 K		
160.0	-----		0.02 A	0.00 A
	70.53 A	2.61 K		
150.0	-----		0.04 A	0.00 A
	74.46 A	2.70 K		
140.0	-----		0.02 A	0.00 A
	78.21 A	2.78 K		
130.0	-----		0.02 A	0.00 A
	81.84 A	2.88 K		
120.0	-----		0.02 A	0.00 A
	85.37 A	2.97 K		
110.0	-----		0.02 A	0.00 A
	88.87 A	3.08 K		
100.0	-----		0.02 A	0.00 A
	92.31 A	3.18 K		
90.0	-----		0.02 A	0.00 A
	95.74 A	3.30 K		
80.0	-----		0.01 K	0.00 A
	99.13 A	3.42 K		
70.0	-----		0.02 G	0.00 A
	102.50 A	3.53 K		
60.0	-----		0.09 A	0.00 A
	106.70 A	3.67 K		
53.3	-----		0.24 E	0.00 G
	105.61 A	4.85 K		
40.0	-----		0.09 A	0.00 A
	113.04 A	3.86 K		
33.3	-----		0.22 E	0.00 G
	111.93 A	4.97 K		
20.0	-----		0.03 A	0.00 G
	119.18 A	4.06 K		
13.3	-----		0.20 E	0.00 G
	117.92 A	5.10 K		
0.0	-----		0.00 A	0.00 A

MAXIMUM COMPRESSION IN MAST MEMBERS (kip)

ELEV ft	LEGS	DIAG	HORIZ	BRACE
290.0	-----		-0.35 G	0.00 A
	-0.45 A	-0.28 A		
285.0	-----		-0.02 A	0.00 A
	-4.85 G	-1.83 G		
280.0	-----		-0.34 K	0.00 A
	-8.84 G	-1.65 L		
275.0	-----		0.00 A	0.00 A
	-14.23 G	-1.72 L		
270.0	-----		-0.01 G	0.00 A
	-18.91 G	-2.03 F		
265.0	-----		-0.01 G	0.00 A
	-24.58 G	-2.19 F		
260.0	-----		-0.01 G	0.00 A
	-30.06 G	-2.40 F		
255.0	-----		-0.01 G	0.00 A
	-34.90 G	-2.22 F		
250.0	-----		-0.02 G	0.00 A
	-39.20 G	-2.21 F		
245.0	-----		-0.02 G	0.00 A
	-43.38 G	-2.09 F		

240.0	-----		-0.02 G	0.00 A
	-47.81 G	-2.27 F		
233.3	-----		-0.02 G	0.00 A
	-52.78 G	-2.17 D		
226.7	-----		-0.02 G	0.00 A
	-57.35 G	-2.18 J		
220.0	-----		-0.02 G	0.00 A
	-61.81 G	-2.14 D		
213.3	-----		-0.01 G	0.00 A
	-66.06 G	-2.17 J		
206.7	-----		-0.02 G	0.00 A
	-70.22 G	-2.18 K		
200.0	-----		-0.01 G	0.00 A
	-74.26 G	-2.23 K		
193.3	-----		-0.02 G	0.00 A
	-78.26 G	-2.27 K		
186.7	-----		-0.01 G	0.00 A
	-82.19 G	-2.30 K		
180.0	-----		-0.02 G	0.00 A
	-86.94 G	-2.64 K		
170.0	-----		-0.02 G	0.00 A
	-92.65 G	-2.66 K		
160.0	-----		-0.01 G	0.00 A
	-98.21 G	-2.75 K		
150.0	-----		-0.02 G	0.00 A
	-103.75 G	-2.82 K		
140.0	-----		-0.01 G	0.00 A
	-109.30 G	-2.91 K		
130.0	-----		-0.01 G	0.00 A
	-114.90 G	-2.99 K		
120.0	-----		-0.01 G	0.00 A
	-120.49 G	-3.11 K		
110.0	-----		-0.01 G	0.00 A
	-126.10 G	-3.20 K		
100.0	-----		-0.01 G	0.00 A
	-131.70 G	-3.32 K		
90.0	-----		-0.01 G	0.00 A
	-137.33 G	-3.42 K		
80.0	-----		-0.02 E	0.00 A
	-142.96 G	-3.52 K		
70.0	-----		-0.03 A	0.00 A
	-148.59 G	-3.62 K		
60.0	-----		-0.06 G	0.00 A
	-154.74 G	-3.90 K		
53.3	-----		-0.34 K	0.00 A
	-155.83 G	-5.00 K		
40.0	-----		-0.05 G	0.00 A
	-166.18 G	-4.10 K		
33.3	-----		-0.32 K	0.00 A
	-167.29 G	-5.13 K		
20.0	-----		-0.02 G	0.00 A
	-177.63 G	-4.21 K		
13.3	-----		-0.31 K	0.00 L
	-178.90 G	-5.19 K		
0.0	-----		0.00 A	0.00 A

MAXIMUM INDIVIDUAL FOUNDATION LOADS: (kip)

=====				
-----LOAD-----		-----COMPONENTS-----		TOTAL
NORTH	EAST	DOWN	UPLIFT	SHEAR
16.97 G	14.66 K	185.55 G	-122.35 A	16.97 G

MAXIMUM TOTAL LOADS ON FOUNDATION : (kip & kip-ft)

-----HORIZONTAL-----			DOWN	-----OVERTURNING-----			TORSION
NORTH	EAST	TOTAL		NORTH	EAST	TOTAL	
	@	0.0			@	0.0	
26.2 G	23.2 J	26.2 G	83.7 L	4505.4 G	4048.3 J	4505.4 G	-23.0 F

Seismic Load Effects
Equivalent Lateral Force Procedure
ANSI/TIA-222-G

Parameters	Risk Category	Description	h _i (ft.)	w _i (kips)	W _p (kips)	w _i h _i ^{ke}	Vertical Distribution of Seismic Forces			
							F _{ss} or E _h (kips)	E _v (kips)	1.2 D + 1.0 E _v (kips)	0.9 D - 1.0 E _v (kips)
II	3.000	Mount/Antenna Load Structure - Section 1	285.00	9.5330	9.5330	15,581.9395	1.3249	0.5815	12.0211	7.9982
R	0.292	Ladder/Line	285.00	0.5460	0.5460	892.4514	0.0759	0.0333	0.6885	0.4581
S _s	0.135	Ladder/Line	282.50	0.0824	0.1566	133.1406	0.0113	0.0050	0.1039	0.0692
S ₁	D (default)	Mount/Antenna Load Structure - Section 2	276.50	0.1154	0.0000	181.2945	0.0154	0.0070	0.1455	0.0969
Site Class	12.000	Ladder/Line	273.00	4.8350	0.2756	7,470.2199	0.6352	0.2949	6.0969	4.0566
T _L (sec)	1.566	Ladder/Line	270.00	1.2250	0.0000	1,865.4828	0.1586	0.0747	1.5447	1.0278
F _a	2.330	Mount/Antenna Load Structure - Section 3	268.00	0.2896	0.0000	436.7441	0.0371	0.0177	0.3652	0.2429
F _v	0.457	Ladder/Line	263.00	0.0494	0.0000	7,114.0769	0.6049	0.2949	6.0969	4.0566
S _{M5}	0.315	Ladder/Line	261.50	0.0869	0.0000	72.1435	0.0061	0.0030	0.0623	0.0415
S _{M1}	0.305	Ladder/Line	250.00	0.3296	0.0000	126.9084	0.0108	0.0053	0.1096	0.0729
S _{D1}	1.000	Ladder/Line	250.00	0.5792	0.0000	453.8274	0.0386	0.0201	0.4156	0.2765
T _s	1.500	Structure - Section 4	250.00	1.7620	0.0000	797.5024	0.0678	0.0353	0.7303	0.4860
I _e	0.063	Ladder/Line	250.00	0.3296	0.0000	2,426.1038	0.2063	0.1075	2.2219	1.4783
Ω	290.00	Ladder/Line	230.00	0.5792	0.0000	406.9012	0.0346	0.0201	0.4156	0.2765
C _s	4.540	Structure - Section 5	230.00	2.2110	0.0000	715.0399	0.0608	0.0353	0.7303	0.4860
h (ft)	18.52	Ladder/Line	210.00	0.3296	0.0000	2,729.5464	0.2321	0.1349	2.7881	1.8550
K _r	33.00	Ladder/Line	210.00	0.5792	0.0000	361.2204	0.0307	0.0201	0.4156	0.2765
W _a (ft)	91.269	Structure - Section 6	210.00	0.5792	0.0000	634.7659	0.0540	0.0353	0.7303	0.4860
W _o (ft)	42.436	Ladder/Line	210.00	2.4590	0.0000	2,694.9058	0.2291	0.1500	3.1008	2.0631
W (kips)	10.627	Ladder/Line	190.00	0.3296	0.0000	316.8660	0.0269	0.0201	0.4156	0.2765
W ₁ (kips)	0.894	Ladder/Line	190.00	0.5792	0.0000	556.8228	0.0473	0.0353	0.7303	0.4860
W ₂ (kips)	1.118	Structure - Section 7	190.00	3.1450	0.0000	3,023.4940	0.2571	0.1918	3.9658	2.6387
f ₁ (Hertz)	1.3090	Ladder/Line	170.00	0.5792	0.0000	481.3779	0.0409	0.0353	0.7303	0.4860
T (sec)	5.750	Ladder/Line	170.00	3.2740	0.0000	273.9333	0.0233	0.0201	0.4156	0.2765
k _e	D	Structure - Section 8	170.00	0.3296	0.0000	2,721.0487	0.2314	0.1997	4.1285	2.7469
V _s (kips)		Ladder/Line	150.00	0.5792	0.0000	232.5362	0.0198	0.0201	0.4156	0.2765
Seismic Design Category		Ladder/Line	150.00	3.5970	0.0000	408.6317	0.0347	0.0353	0.7303	0.4860
		Ladder/Line	150.00	0.3296	0.0000	2,537.7211	0.2158	0.2194	4.5358	3.0179
		Ladder/Line	130.00	0.5792	0.0000	192.8142	0.0164	0.0201	0.4156	0.2765
		Ladder/Line	130.00	4.6540	0.0000	338.8289	0.0288	0.0353	0.7303	0.4860
		Ladder/Line	130.00	0.5792	0.0000	2,722.5648	0.2315	0.2899	5.8687	3.9047
		Ladder/Line	110.00	0.3296	0.0000	154.9424	0.0132	0.0201	0.4156	0.2765
		Structure - Section 10	110.00	5.0130	0.0000	2,356.5721	0.2004	0.3058	6.3214	4.2059
		Ladder/Line	90.00	0.3296	0.0000	119.1491	0.0101	0.0201	0.4156	0.2765

Seismic Load Effects
Equivalent Lateral Force Procedure
ANSI/TIA-222-G

Description	h _i (ft.)	w _i (kips)	W ₂ (kips)	w _h ¹⁰	Vertical Distribution of Seismic Forces			
					F _s or E _s (kips)	E _v (kips)	1.2 D + 1.0 E _v (kips)	0.9 D - 1.0 E _v (kips)
Ladder/Line	90.00	0.5792	0.0000	209.3785	0.0178	0.0353	0.7303	0.4860
Structure - Section 11	90.00	5.2530	0.0000	1,898.9383	0.1615	0.3204	6.6240	4.4073
Ladder/Line	70.00	0.5792	0.0000	150.6822	0.0128	0.0353	0.7303	0.4860
Ladder/Line	70.00	0.3296	0.0000	85.7473	0.0073	0.0201	0.4156	0.2765
Structure - Section 12	70.00	5.4060	0.0000	1,406.4017	0.1196	0.3298	6.8170	4.5356
Ladder/Line	50.00	0.5792	0.0000	97.0019	0.0082	0.0353	0.7303	0.4860
Ladder/Line	50.00	0.3296	0.0000	55.2000	0.0047	0.0201	0.4156	0.2765
Structure - Section 13	50.00	6.4060	0.0000	1,072.8492	0.0912	0.3908	8.0780	5.3746
Ladder/Line	30.00	0.5792	0.0000	49.7027	0.0042	0.0353	0.7303	0.4860
Ladder/Line	30.00	0.3296	0.0000	28.2839	0.0024	0.0201	0.4156	0.2765
Structure - Section 14	30.00	6.8810	0.0000	590.4774	0.0502	0.4197	8.6769	5.7732
Ladder/Line	10.00	0.3296	0.0000	6.7141	0.0006	0.0201	0.4156	0.2765
Ladder/Line	10.00	0.5792	0.0000	11.7985	0.0010	0.0353	0.7303	0.4860
Structure - Section 15	10.00	7.7960	0.0000	158.8078	0.0135	0.4756	9.8308	6.5408
Σ		91.27	10.6266	67,625.78	5.75	5.57	115.09	76.58

Leg Connection Details

Bottom Elevation (ft)	Top Elevation (ft)	Pipe Dimensions	Top Splice				Bottom Splice/Base							
			Bolt Qty.	Bolt Dia. (in)	Bolt Circle (in)	Plate Thickness (in)	Plate Dia. (in)	Bolt Qty.	Bolt Dia. (in)	Bolt Circle (in)	Plate Thickness (in)	Plate Dia. (in)		
280	290	2.875 OD X .276								6	0.75	6.50	1.00	8.50
260	280	2.875 OD X .276	6	0.75	6.50	1.00	8.50	6	1.00	9.00	1.25	9.00	1.25	11.50
240	260	4.000 OD X .318	6	1.00	9.00	1.25	11.50	6	1.00	9.00	1.25	9.00	1.25	11.50
220	240	5.563 OD X .375	6	1.00	9.00	1.25	11.50	6	1.00	9.00	1.25	9.00	1.25	11.50
200	220	5.563 OD X .375	6	1.00	9.00	1.25	11.50	6	1.00	9.00	1.25	9.00	1.25	11.50
180	200	5.563 OD X .500	6	1.00	9.00	1.25	11.50	6	1.25	12.50	1.75	12.50	1.75	15.75
160	180	8.625 OD X .322	6	1.25	12.50	1.50	15.75	6	1.25	12.50	1.50	12.50	1.50	15.75
140	160	8.625 OD X .322	6	1.25	12.50	1.50	15.75	6	1.25	12.50	1.50	12.50	1.50	15.75
120	140	8.625 OD X .500	6	1.25	12.50	1.50	15.75	6	1.25	12.50	1.50	12.50	1.50	15.75
100	120	8.625 OD X .500	6	1.25	12.50	1.50	15.75	6	1.25	12.50	1.50	12.50	1.50	15.75
80	100	8.625 OD X .500	6	1.25	12.50	1.50	15.75	6	1.25	12.50	1.50	12.50	1.50	15.75
60	80	8.625 OD X .500	6	1.25	12.50	1.50	15.75	6	1.25	12.50	1.50	12.50	1.50	15.75
40	60	8.625 OD X .500	6	1.25	12.50	1.50	15.75	6	1.25	12.50	1.50	12.50	1.50	15.75
20	40	8.625 OD X .500	6	1.25	12.50	1.50	15.75	8	1.50	17.25	2.00	17.25	2.00	21.00
0	20	10.75 OD X .500	8	2.00	17.25	2.00	21.00	6	1.50	15.50	1.75	15.50	1.75	19.25

Diagonal Bracing Connection Details

Bottom Elevation (ft)	Top Elevation (ft)	Angle Shape	Bolt Qty.	Bolt Dia. (in)	Bolt End Distance (in)	Bolt Spacing (in)	Gage Distance From Heel (in)	Gusset Plate Thickness (in)
280	290	L 2 X 2 X 1/8	1	0.625	1.500		1.125	0.375
260	280	L 2 X 2 X 3/16	1	0.625	1.500		1.125	0.375
240	260	L 2 1/2 X 2 1/2 X 3/16	1	0.625	1.500		1.375	0.375
220	240	L 2 1/2 X 2 1/2 X 3/16	1	0.625	1.500		1.375	0.375
200	220	L 3 X 3 X 3/16	1	0.625	1.500		1.750	0.375
180	200	L 3 X 3 X 3/16	1	0.750	1.500		1.750	0.375
160	180	L 3 X 3 X 1/4	1	0.750	1.625		1.750	0.375
140	160	L 3 1/2 X 3 1/2 X 1/4	1	0.750	1.625		1.750	0.375
120	140	L 3 1/2 X 3 1/2 X 1/4	1	0.750	1.625		1.750	0.375
100	120	L 4 X 4 X 1/4	1	0.750	1.625		2.000	0.375
80	100	L 4 X 4 X 1/4	2	0.625	1.625	2.1250	2.000	0.500
60	80	L 4 X 4 X 1/4	2	0.625	1.625	2.1250	2.000	0.500
53.33	60	L 4 X 4 X 5/16	2	0.750	1.625	2.5000	2.000	0.500
40	53.33	L 5 X 3 1/2 X 5/16	2	0.750	1.625	2.5000	1.750	0.500
33.33	40	L 4 X 4 X 5/16	2	0.750	1.625	2.5000	2.000	0.500
20	33.33	L 5 X 3 1/2 X 5/16	2	0.750	1.625	2.5000	1.750	0.500
13.33	20	L 4 X 4 X 5/16	2	0.750	1.625	2.5000	2.000	0.500
0	13.33	L 5 X 3 1/2 X 1/4	2	0.750	1.625	2.5000	1.750	0.500

MAT FOUNDATION DESIGN BY SABRE INDUSTRIES

290' S3TL Series HD1 TOWERCO LLC McDaniel's, KY (24-1830-JDS Opt. 1) 09/12/23 REB

Overall Loads:			
Factored Moment (ft-kips)	15519.23		
Factored Axial (kips)	240.02		
Factored Shear (kips)	90.25		
Individual Leg Loads:			
Factored Uplift (kips)	491.00	Tower eccentric from mat (ft)=	2.75
Factored Download (kips)	577.00		
Factored Shear (kips)	55.00		
Width of Tower (ft)	33	Allowable Bearing Pressure (ksf)	2.59
Ultimate Bearing Pressure	5.17	Safety Factor	2.00
Bearing Φ s	0.75		
Bearing Design Strength (ksf)	3.8775	Max. Factored Net Bearing Pressure (ksf)	2.56
Water Table Below Grade (ft)	999		
Width of Mat (ft)	40	Minimum Mat Width (ft)	39.51
Thickness of Mat (ft)	1.75		
Depth to Bottom of Slab (ft)	6		
Bolt Circle Diameter (in)	15.5		
Top of Concrete to Top of Bottom Threads (in)	65.125	Minimum Pier Diameter (ft)	2.63
Diameter of Pier (ft)	3.5	Equivalent Square b (ft)	3.10
Ht. of Pier Above Ground (ft)	0.5		
Ht. of Pier Below Ground (ft)	4.25		
Quantity of Bars in Mat	64		
Bar Diameter in Mat (in)	1.128		
Area of Bars in Mat (in ²)	63.96		
Spacing of Bars in Mat (in)	7.51	Recommended Spacing (in)	6 to 12
Quantity of Bars Pier	18		
Bar Diameter in Pier (in)	1.128		
Tie Bar Diameter in Pier (in)	0.5	Minimum Pier A_s (in ²)	6.93
Spacing of Ties (in)	11	Recommended Spacing (in)	5 to 12
Area of Bars in Pier (in ²)	17.99		
Spacing of Bars in Pier (in)	5.88		
f'c (ksi)	4.5		
fy (ksi)	60		
Unit Wt. of Soil (kcf)	0.11		
Unit Wt. of Concrete (kcf)	0.15		
Volume of Concrete (yd ³)	108.78		

MAT FOUNDATION DESIGN BY SABRE INDUSTRIES (CONTINUED)

Two-Way Shear:

Average d (in)	16.872
ϕv_c (ksi)	0.228
$\phi v_c = \phi(2 + 4/\beta_c)f'_c{}^{1/2}$	0.342
$\phi v_c = \phi(\alpha_s d/b_o + 2)f'_c{}^{1/2}$	0.332
$\phi v_c = \phi 4f'_c{}^{1/2}$	0.228
Shear perimeter, b_o (in)	176.48
β_c	1

v_u (ksi) 0.207

Stability:

Overturning Design Strength (ft-k) 22323.6

Factored Overturning Moment (ft-k) 16105.9

One-Way Shear:

ϕV_c (kips) 923.6

V_u (kips) 532.3

Pier Design:

Design Tensile Strength (kips) 971.3

T_u (kips) 491.0

ϕV_n (kips) 108.0

V_u (kips) 55.0

$\phi V_c = \phi 2(1 + N_u/(500A_g))f'_c{}^{1/2}b_w d$ 46.9

V_s (kips) 72.0

*** $V_s \text{ max} = 4 f'_c{}^{1/2}b_w d$ (kips) 378.7

Maximum Spacing (in) 11.15

(Only if Shear Ties are Required)

Actual Hook Development (in) 15.74

Req'd Hook Development l_{dh} (in) 14.12

*** Ref. ACI 11.5.5 & 11.5.6.3

Anchor Bolt Pull-Out:

$\phi P_c = \phi \lambda (2/3)f'_c{}^{1/2}(2.8A_{SLOPE} + 4A_{FLAT})$ 208.8

P_u (kips) 491.0

Pier Rebar Development Length (in) 52.94

Required Length of Development (in) 25.50

Flexure in Slab:

ϕM_n (ft-kips) 4555.1

M_u (ft-kips) 4506.7

a (in) 2.09

Steel Ratio 0.00790

β_1 0.825

Maximum Steel Ratio (ρ_t) 0.0197

Minimum Steel Ratio 0.0018

Condition	1 is OK, 0 Fails
Minimum Mat Width	1
Maximum Soil Bearing Pressure	1
Pier Area of Steel	1
Pier Shear	1
Two-Way Shear	1
Overturning	1
Anchor Bolt Pull-Out	1
Flexure	1
Steel Ratio	1
Interaction Diagram	1
One-Way Shear	1
Hook Development	1
Minimum Mat Depth	1



1961 NORTHPOINT BLVD.
 HIXSON, TN 37343
 PH: 423-643-9500
 FAX: 423-643-9509

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
E	10/05/23
D	09/18/23
C	09/12/23
B	01/18/23
A	1/22/22

FOR REFERENCE

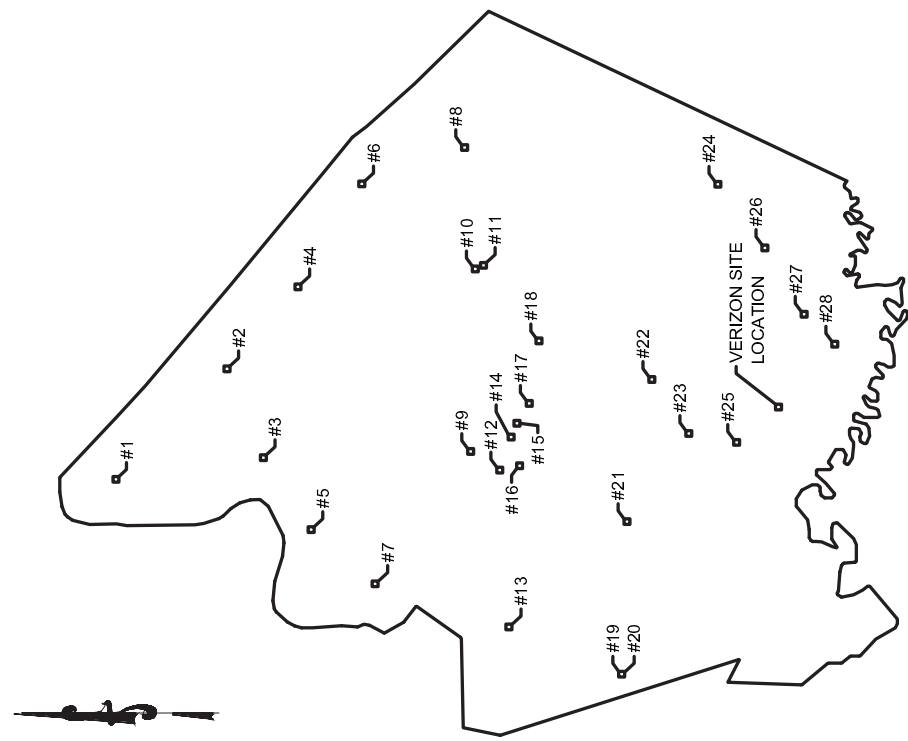


FLUZE ID :	617291389
SITE NAME :	CK MCDANIELS
SITE # / LOCATION CODE :	72001

SITE ADDRESS :	8979 KY-259 MCDANIELS, KY 40152
SITE TYPE :	RAWLAND

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

TOWER	ASR	LATITUDE	LONGITUDE	TOWER OWNER
#1.	1305108	38° 1'12.90"N	86° 29'39.90"W	VERIZON WIRELESS
#2.	1043429	37° 57'6.10"N	86° 24'38.30"W	CROWN CASTLE
#3.	1291561	37° 55'53.10"N	86° 28'37.70"W	AMERICAN TOWER
#4.	1200734	37° 54'35.00"N	86° 20'47.00"W	BIG RIVERS ELECTRIC CORPORATION
#5.	1304239	37° 54'7.50"N	86° 31'56.20"W	VERIZON WIRELESS
#6.	1043896	37° 52'17.80"N	86° 16'3.50"W	SKYWAY TOWERS
#7.	TOWER	37° 51'29.00"N	86° 34'21.00"W	KENTUCKY EMERGENCY WARNING SYSTEM
#8.	1050176	37° 48'32.00"N	86° 14'25.00"W	TELAVA WIRELESS, INC
#9.	1215268	37° 48'20.20"N	86° 28'22.40"W	CROWN CASTLE SOUTH LLC
#10.	1270783	37° 48'8.30"N	86° 20'0.20"W	SBA MONARCH TOWER III, LLC
#11.	1043043	37° 47'53.00"N	86° 19'51.00"W	VERIZON WIRELESS
#12.	1039667	37° 47'15.00"N	86° 29'12.00"W	TEXAS GAS TRANSMISSION, LLC
#13.	1200816	37° 46'57.80"N	86° 36'26.30"W	THE CROMMELL GROUP, INC
#14.	1061965	37° 46'51.00"N	86° 27'42.00"W	COUNTY OF BRECKENRIDGE
#15.	1261014	37° 46'45.50"N	86° 26'56.50"W	BIG RIVERS ELECTRIC CORPORATION
#16.	1200744	37° 46'34.00"N	86° 28'60.00"W	BIG RIVERS ELECTRIC CORPORATION
#17.	1042282	37° 46'14.20"N	86° 26'6.90"W	BRECKENRIDGE BROADCASTING CO INC
#18.	1305582	37° 45'52.70"N	86° 23'17.90"W	TILLMAN INFRASTRUCTURE, LLC
#19.	1315005	37° 42'44.40"N	86° 38'40.70"W	TVT I, LLC
#20.	1050174	37° 42'44.00"N	86° 38'42.00"W	TELAVA WIRELESS, INC
#21.	1272916	37° 42'39.30"N	86° 31'34.60"W	VERIZON WIRELESS
#22.	1262107	37° 41'44.80"N	86° 25'6.20"W	VERIZON WIRELESS
#23.	1025097	37° 40'25.20"N	86° 27'31.70"W	CROWN CASTLE SOUTH LLC
#24.	1044834	37° 39'21.00"N	86° 16'11.00"W	KENTUCKY EMERGENCY WARNING SYSTEM
#25.	1274759	37° 38'36.30"N	86° 27'59.90"W	SBA MONARCH TOWER III, LLC
#26.	1043452	37° 37'37.80"N	86° 19'2.00"W	TOWER ASSETS NEWCO IX, LLC
#27.	1214128	37° 36'6.20"N	86° 22'12.90"W	BETHEL FELLOWSHIP, INC
#28.	1266315	37° 35'8.10"N	86° 23'28.80"W	SBA MONARCH TOWERS III, LLC
#29.	VERIZON	37° 37'08.88"N	86° 26'17.37"W	TOWERCO



BRECKINRIDGE COUNTY



Notice of Proposed Construction or Alteration - Off Airport

[Add a New Case \(Off Airport\) - Desk Reference Guide V_2018.2.1](#)

[Add a New Case \(Off Airport\) for Wind Turbines - Met Towers \(with WT Farm\) - WT-Barge Crane - Desk Reference Guide V_2018.2.1](#)

Project Name: TOWER-000767080-22	Sponsor: TowerCo 2013 LLC
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Details for Case : KY0097 CK McDaniels - Tower

[Show Project Summary](#)

<p>Case Status</p> <p>ASN: 2022-ASO-46478-OE Status: Accepted Public Comments: None</p>		<p>Date Accepted: 12/23/2022 Date Determined: Letters: None Documents: None Project Documents: None</p>																																																																																																																																																																																					
<p>Construction / Alteration Information</p> <p>Notice Of: Construction Duration: Permanent <i>if Temporary :</i> Months: Days: Work Schedule - Start: Work Schedule - End: *For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal. State Filing:</p>		<p>Structure Summary</p> <p>Structure Type: TOWER Antenna Tower Structure Name: KY0097 CK McDaniels - Tower FDC NOTAM: NOTAM Number: FCC Number: Prior ASN:</p>																																																																																																																																																																																					
<p>Structure Details</p> <p>Latitude: 37° 37' 9.08" N Longitude: 86° 26' 17.30" W Horizontal Datum: NAD83 Site Elevation (SE): 603 (nearest foot) PASSED Structure Height (AGL): 300 (nearest foot) Current Height (AGL): (nearest foot) * For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal Minimum Operating Height (AGL): (nearest foot) * For aeronautical study of a crane or construction equipment the maximum height should be listed above as the Structure Height (AGL). Additionally, provide the minimum operating height to avoid delays if impacts are identified that require negotiation to a reduced height. If the Structure Height and minimum operating height are the same enter the same value in both fields. Requested Marking/Lighting: None <i>Other :</i> Recommended Marking/Lighting: Current Marking/Lighting: None <i>Other :</i> <input type="text"/> Nearest City: McDaniels Nearest State: Kentucky Description of Location: see map On the Project Summary page upload any certified survey. Description of Proposal: Proposed new construction</p>		<p>Proposed Frequency Bands</p> <table border="1"> <thead> <tr> <th>Low Freq</th> <th>High Freq</th> <th>Freq Unit</th> <th>ERP</th> <th>ERP Unit</th> </tr> </thead> <tbody> <tr><td>6</td><td>7</td><td>GHz</td><td>55</td><td>dBW</td></tr> <tr><td>6</td><td>7</td><td>GHz</td><td>42</td><td>dBW</td></tr> <tr><td>10</td><td>11.7</td><td>GHz</td><td>55</td><td>dBW</td></tr> <tr><td>10</td><td>11.7</td><td>GHz</td><td>42</td><td>dBW</td></tr> <tr><td>17.7</td><td>19.7</td><td>GHz</td><td>55</td><td>dBW</td></tr> <tr><td>17.7</td><td>19.7</td><td>GHz</td><td>42</td><td>dBW</td></tr> <tr><td>21.2</td><td>23.6</td><td>GHz</td><td>55</td><td>dBW</td></tr> <tr><td>21.2</td><td>23.6</td><td>GHz</td><td>42</td><td>dBW</td></tr> <tr><td>614</td><td>698</td><td>MHz</td><td>1000</td><td>W</td></tr> <tr><td>614</td><td>698</td><td>MHz</td><td>2000</td><td>W</td></tr> <tr><td>698</td><td>806</td><td>MHz</td><td>1000</td><td>W</td></tr> <tr><td>806</td><td>901</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>806</td><td>824</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>824</td><td>849</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>851</td><td>866</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>869</td><td>894</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>896</td><td>901</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>901</td><td>902</td><td>MHz</td><td>7</td><td>W</td></tr> <tr><td>929</td><td>932</td><td>MHz</td><td>3500</td><td>W</td></tr> <tr><td>930</td><td>931</td><td>MHz</td><td>3500</td><td>W</td></tr> <tr><td>931</td><td>932</td><td>MHz</td><td>3500</td><td>W</td></tr> <tr><td>932</td><td>932.5</td><td>MHz</td><td>17</td><td>dBW</td></tr> <tr><td>935</td><td>940</td><td>MHz</td><td>1000</td><td>W</td></tr> <tr><td>940</td><td>941</td><td>MHz</td><td>3500</td><td>W</td></tr> <tr><td>1670</td><td>1675</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>1710</td><td>1755</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>1850</td><td>1910</td><td>MHz</td><td>1640</td><td>W</td></tr> <tr><td>1850</td><td>1990</td><td>MHz</td><td>1640</td><td>W</td></tr> <tr><td>1930</td><td>1990</td><td>MHz</td><td>1640</td><td>W</td></tr> <tr><td>1990</td><td>2025</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>2110</td><td>2200</td><td>MHz</td><td>500</td><td>W</td></tr> <tr><td>2305</td><td>2360</td><td>MHz</td><td>2000</td><td>W</td></tr> <tr><td>2305</td><td>2310</td><td>MHz</td><td>2000</td><td>W</td></tr> <tr><td>2345</td><td>2360</td><td>MHz</td><td>2000</td><td>W</td></tr> <tr><td>2496</td><td>2690</td><td>MHz</td><td>500</td><td>W</td></tr> </tbody> </table>		Low Freq	High Freq	Freq Unit	ERP	ERP Unit	6	7	GHz	55	dBW	6	7	GHz	42	dBW	10	11.7	GHz	55	dBW	10	11.7	GHz	42	dBW	17.7	19.7	GHz	55	dBW	17.7	19.7	GHz	42	dBW	21.2	23.6	GHz	55	dBW	21.2	23.6	GHz	42	dBW	614	698	MHz	1000	W	614	698	MHz	2000	W	698	806	MHz	1000	W	806	901	MHz	500	W	806	824	MHz	500	W	824	849	MHz	500	W	851	866	MHz	500	W	869	894	MHz	500	W	896	901	MHz	500	W	901	902	MHz	7	W	929	932	MHz	3500	W	930	931	MHz	3500	W	931	932	MHz	3500	W	932	932.5	MHz	17	dBW	935	940	MHz	1000	W	940	941	MHz	3500	W	1670	1675	MHz	500	W	1710	1755	MHz	500	W	1850	1910	MHz	1640	W	1850	1990	MHz	1640	W	1930	1990	MHz	1640	W	1990	2025	MHz	500	W	2110	2200	MHz	500	W	2305	2360	MHz	2000	W	2305	2310	MHz	2000	W	2345	2360	MHz	2000	W	2496	2690	MHz	500	W
Low Freq	High Freq	Freq Unit	ERP	ERP Unit																																																																																																																																																																																			
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851	866	MHz	500	W																																																																																																																																																																																			
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[← Previous](#) [Back to Search Result](#) [Next →](#)



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

Aeronautical Study No.
 2022-ASO-46478-OE

Issued Date: 05/24/2023

Chad Doherty
 TowerCo 2013 LLC
 5000 Valleystone Dr
 Cary, NC 27519

**** 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 KY0097 CK McDaniels - Tower
 Location: McDaniels, KY
 Latitude: 37-37-09.08N NAD 83
 Longitude: 86-26-17.30W
 Heights: 603 feet site elevation (SE)
 300 feet above ground level (AGL)
 903 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:

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)

This determination expires on 11/24/2024 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-46478-OE.

Signature Control No: 566006328-587647217

(DNE)

Chris Smith
Specialist

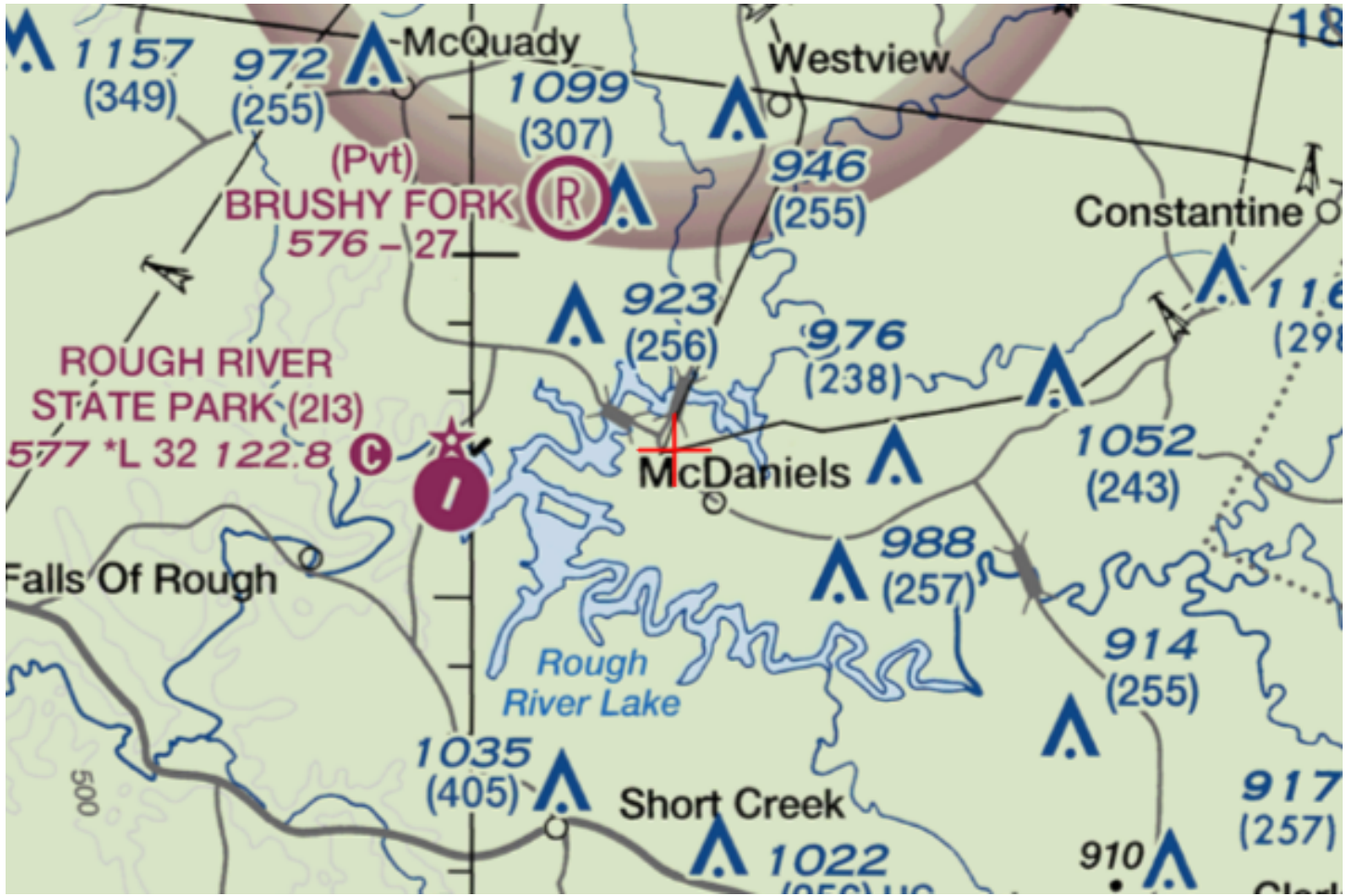
Attachment(s)
Frequency Data
Map(s)

cc: FCC

Frequency Data for ASN 2022-ASO-46478-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	1000	W
614	698	MHz	2000	W
698	806	MHz	1000	W
806	901	MHz	500	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
929	932	MHz	3500	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1670	1675	MHz	500	W
1710	1755	MHz	500	W
1850	1910	MHz	1640	W
1850	1990	MHz	1640	W
1930	1990	MHz	1640	W
1990	2025	MHz	500	W
2110	2200	MHz	500	W
2305	2360	MHz	2000	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W
2496	2690	MHz	500	W







KENTUCKY TRANSPORTATION CABINET
KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) TowerCo 2013 LLC		PHONE 919-653-5753	FAX 919-469-5530	KY AERONAUTICAL STUDY #	
ADDRESS (street) 5000 Valley Stone Drive, Suite 200		CITY Cary		STATE NC	ZIP 27519
APPLICANT'S REPRESENTATIVE (name) Wireless Applications Corporation		PHONE 425-643-5000	FAX N/A		
ADDRESS (street) 111/108 th Ave NE, Suite 160		CITY Bellevue		STATE WA	ZIP 98004
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°37'09.08"		LONGITUDE 086°26'17.30"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
NEAREST KENTUCKY City McDaniels County KY		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT 213: Rough River State Park Airport			
SITE ELEVATION (AMSL, feet) 603		TOTAL STRUCTURE HEIGHT (AGL, feet) 300		CURRENT (FAA aeronautical study #) 2022-ASO-46478-OE	
OVERALL HEIGHT (site elevation plus total structure height, feet) 903				PREVIOUS (FAA aeronautical study #)	
DISTANCE (from nearest Kentucky public use or Military airport to structure) 3.228 nm				PREVIOUS (KY aeronautical study #)	
DIRECTION (from nearest Kentucky public use or Military airport to structure) 260.21 degrees					
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) Proposed SSL tower located near 446 Fentress Vig Ln, Breckenridge County, McDaniels, KY, 40152					
DESCRIPTION OF PROPOSAL Proposed 300 ft AGL 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? 12/23/2022					
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 Ronald W. Lageson, Jr	TITLE Manager	SIGNATURE 		DATE 8/25/2023	
COMMISSION ACTION		<input type="checkbox"/> Chairperson, KAZC <input type="checkbox"/> Administrator, KAZC			
<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved	SIGNATURE		DATE		



DELTA OAKS GROUP

GEOTECHNICAL INVESTIGATION REPORT

September 1, 2023

Prepared For:

TeleCAD Wireless



CK McDaniels
KY0097

Proposed 300-Foot Self-Supporting Tower

KY Hwy 259, McDaniels (Breckinridge County), Kentucky 40152
Latitude N 37° 37' 09.08" Longitude W 86° 26' 17.30"

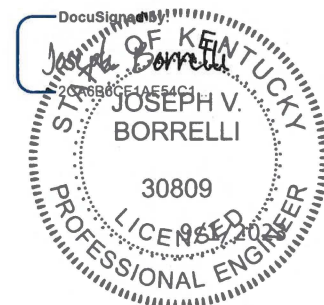
Delta Oaks Group Project GEO23-19773-08
Revision 1
geotech@deltaoaksgroup.com

Performed By:

Sarah C. Russek, P.E.

Reviewed By:

Joseph V. Borrelli, Jr., P.E.





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INTRODUCTION

This geotechnical investigation report has been completed for the proposed 300-foot self-supporting tower located at KY Hwy 259 in McDaniels (Breckinridge County), Kentucky. The purpose of this investigation was to provide engineering recommendations and subsurface condition data at the proposed tower location. A geotechnical engineering interpretation of the collected information was completed and utilized to suggest design parameters regarding the adequacy of the structure's proposed foundation capacity under various loading conditions. This report provides the scope of the geotechnical investigation; geologic material identification; results of the geotechnical laboratory testing; and design parameter recommendations for use in the design of the telecommunication facility's foundation and site development.

SITE CONDITION SUMMARY

The proposed tower and compound are located in an open grass area adjacent to a woodline exhibiting a generally flat topography across the tower compound and subject property.

REFERENCES

- Survey Drawings, provided by TeleCAD Wireless, dated November 18, 2022
- Site Sketch, provided by TeleCAD Wireless
- SCIP, provided by TeleCAD Wireless, dated August 16, 2022
- TIA Standard (TIA-222-G), dated August 2005

SUBSURFACE FIELD INVESTIGATION SUMMARY

The subsurface field investigation was conducted through the advancement of one mechanical soil test boring to the auger refusal depth of 7.7 feet bgs. Samples were obtained at selected intervals in accordance with ASTM D 1586. The sampling was conducted at the staked centerline of the proposed tower. Upon encountering auger refusal, 5.0 feet of rock coring was conducted in accordance with ASTM D 2113. Soil and rock samples were transported to our laboratory and classified by a geotechnical engineer in accordance with ASTM D 2487. A detailed breakdown of the material encountered in our subsurface field investigation can be found in the boring log presented in the Appendix of this report.

Additional testing was performed on selected samples in accordance with ASTM D 7012 (Unconfined Compressive Strength – Rock). Laboratory data can be found in the Appendix of this report.

A boring plan portraying the spatial location of the boring in relation to the proposed tower, tower compound and immediate surrounding area can be found in the Appendix.



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SUBSURFACE CONDITION SUMMARY

The following provides a general overview of the site's subsurface conditions based on the data obtained during our field investigation.

FILL

Fill material was not encountered during the subsurface field investigation.

SOIL

The residual soil encountered in the subsurface field investigation began at the existing ground surface in the boring and consisted of lean clay. The materials ranged from a medium stiff to stiff consistency.

Auger advancement refusal was encountered during the subsurface field investigation at a depth of 7.7 feet bgs.

ROCK

Rock was encountered during the subsurface investigation at a depth of 7.7 feet bgs. The rock can be described as highly fractured, highly weathered, hard sandstone.

SUBSURFACE WATER

Subsurface water was not encountered during the subsurface investigation. However, subsurface water elevations can fluctuate throughout the year due to variations in climate, hydraulic parameters, nearby construction activity and other factors.

FROST PENETRATION

The frost penetration depth for Breckinridge County, Kentucky is 20 inches (1.7 feet).

CORROSIVITY

Soil resistivity was performed in accordance with ASTM G187 with a test result of 4,700 ohms-cm.



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FOUNDATION DESIGN SUMMARY

In consideration of the provided tower parameters and the determined soil characteristics, Delta Oaks Group recommends utilizing a shallow foundation or drilled shaft foundation for the proposed structure. The strength parameters presented in the following sections can be utilized for design of the foundation.

GENERAL SUBSURFACE STRENGTH PARAMETERS

Boring	Depth (bgs)	USCS	Moist/Buoyant Unit Weight (pcf)	Phi Angle (degrees)	Cohesion (psf)
B-1	0.0 - 3.0	CL	110	0	500
	3.0 - 6.0	CL	120	0	800
	6.0 - 7.7	CL	120	0	900
	7.7 - 12.7	Sandstone	140	0	9,000

- The unit weight provided assumes overburden soil was compacted to a minimum of 95% of the maximum dry density as obtained by the standard Proctor method (ASTM D 698) and maintained a moisture content within 3 percent of optimum.
- The values provided for phi angle and cohesion should be considered ultimate.



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SUBSURFACE STRENGTH PARAMETERS – SHALLOW FOUNDATION

Boring	Dimensions (feet)	Depth (feet bgs)	Net Ultimate Bearing Capacity (psf)
B-1	5.0 x 5.0	3.0	3,450
		4.0	5,720
		5.0	5,920
		6.0	6,120
	10.0 x 10.0	3.0	3,270
		4.0	5,330
		5.0	5,430
		6.0	5,530
	15.0 x 15.0	3.0	3,210
		4.0	5,200
		5.0	5,260
		6.0	5,330
	20.0 x 20.0	3.0	3,180
		4.0	5,130
		5.0	5,180
		6.0	5,230
	25.0 x 25.0	3.0	3,160
		4.0	5,090
		5.0	5,130
		6.0	5,170

- Delta Oaks Group recommends the foundation bear a minimum of 3.0 feet bgs.
- A sliding friction factor of 0.35 can be utilized along the base of the proposed foundation.
- An Ultimate Passive Pressure Table with a reduction due to frost penetration to a depth of 1.7 feet bgs is presented on the following page.
- Delta Oaks Group recommends an appropriate factor of safety be utilized for the design of the foundation.



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ULTIMATE PASSIVE PRESSURE VS. DEPTH - TOWER FOUNDATION

Soil Layers (feet)		Moist Unit Weight	Phi Angle	Cohesion	PV	KP	Ph
Top	0.0	110	0	500	0.00	1.00	500.00
Bottom	1.7	110	0	500	187.00	1.00	593.50
Top	1.7	110	0	500	187.00	1.00	1187.00
Bottom	3.0	110	0	500	330.00	1.00	1330.00
Top	3.0	120	0	800	330.00	1.00	1930.00
Bottom	6.0	120	0	800	690.00	1.00	2290.00
Top	6.0	120	0	900	690.00	1.00	2490.00
Bottom	7.7	120	0	900	894.00	1.00	2694.00
Top	7.7	140	0	9,000	894.00	1.00	18894.00
Bottom	10.0	140	0	9,000	1216.00	1.00	19216.00



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SUBSURFACE STRENGTH PARAMETERS - DRILLED SHAFT FOUNDATION

Boring	Depth (bgs)	Net Ultimate Bearing Capacity (psf)	Ultimate Skin Friction - Compression (psf)	Ultimate Skin Friction - Uplift (psf)
B-1	0.0 - 3.0	--	--	--
	3.0 - 6.0	58,220	430	430
	6.0 - 7.7	80,660	490	490
	7.7 - 12.7	80,710	3,600	3,600

- The top 3.0 feet of soil should be ignored due to the frost penetration and the potential soil disturbance during construction.
- The values presented assume the concrete is cast-in-place against earth walls and any casing utilized during construction of the foundation was removed.
- Delta Oaks Group recommends an appropriate factor of safety be utilized for the design of the foundation.



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CONSTRUCTION

SITE DEVELOPMENT

The proposed access road and tower compound should be evaluated by a Geotechnical Engineer, or their representative, after the removal or "cutting" of the areas to design elevation but prior to the placement of any structural fill material to verify the presence of unsuitable or weak material. Unsuitable or weak materials should be undercut to a suitable base material as determined by a Geotechnical Engineer, or their representative. Backfill of any undercut area(s) should be conducted in accordance with the recommendations provided in the *STRUCTURAL FILL PLACEMENT* section of this report.

Excavations should be sloped or shored in accordance and compliance with OSHA 29 CFR Part 1926, Excavation Trench Safety Standards as well as any additional local, state and federal regulations.

STRUCTURAL FILL PLACEMENT

Structural fill materials should be verified, prior to utilization, to have a minimum unit weight of 110 pcf (pounds per cubic foot) when compacted to a minimum of 95% of its maximum dry density and within plus or minus 3 percentage points of optimum moisture. Materials utilized should not contain more than 5 percent by weight of organic matter, waste, debris or any otherwise deleterious materials. The Liquid Limit should be no greater than 40 with a Plasticity Index no greater than 20. Structural fill material should contain a maximum particle size of 4 inches with 20 percent or less of the material having a particle size between 2 and 4 inches. Backfill should be placed in thin horizontal lifts not to exceed 8 inches (loose) in large grading areas and 4 inches (loose) where small handheld or walk-behind compaction equipment will be utilized. The potential suitability of on-site materials to be utilized as fill should be evaluated by a Geotechnical Engineer, or their representative just prior to construction.

During construction structural fill placement should be monitored and tested. This should include at minimum, visual observation as well as a sufficient amount of in-place field density tests by a Geotechnical Engineer, or their representative. Materials should be compacted to a minimum of 95% of the maximum dry density as determined by ASTM D 698 (standard Proctor method). Moisture contents should be maintained to within plus or minus 3 percentage points of the optimum moisture content.

SHALLOW FOUNDATIONS

Foundation excavation(s) should be evaluated by a Geotechnical Engineer, or their representative, prior to reinforcing steel and concrete placement. This evaluation should include visual observation to verify a level bearing surface; vertical side-walls with no protrusions, sloughing or caving; and the exposed bearing surface is free of deleterious material, loose soil and standing water. Excavation dimensions should be verified and testing performed on the exposed bearing surface to verify compliance with design recommendations. Bearing testing should be conducted in accordance with ASTM STP399 (Dynamic Cone Penetrometer). A 6-inch layer of compacted crushed stone should be installed prior to reinforcing steel and concrete placement. If subsurface water is encountered during excavation dewatering methods such as sump pumps or well points may be required.



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DRILLED SHAFT FOUNDATIONS

Drilled shaft foundations (caissons) are typically installed utilizing an earth auger to reach the design depth of the foundation. Specialized roller bits or core bits can be utilized to penetrate boulders or rock. The equipment utilized should have cutting teeth to result in an excavation with little or no soil smeared or caked on the excavation sides with spiral-like corrugated walls. The drilled shaft design diameter should be maintained throughout the excavation with a plumbness tolerance of 2 percent of the length and an eccentricity tolerance of 3 inches from plan location. A removable steel casing can be installed in the shaft to prevent caving of the excavation sides due to soil relaxation. Upon completion of the drilling and casing placement, loose soils and subsurface water greater than 3-inches in depth should be removed from the bottom of the excavation for the "dry" installation method. The drilled shaft installation should be evaluated by a Geotechnical Engineer, or their representative, to verify suitable end bearing conditions, design diameter and bottom cleanliness. The evaluation should be conducted immediately prior to as well as during concrete placement operations.

The drilled shaft should be concreted as soon as reasonably practical after excavation to reduce the deterioration of the supporting soils to prevent potential caving and water intrusion. A concrete mix design with a slump of 6 to 8 inches employed in conjunction with the design concrete compressive strength should be utilized for placement. Super plasticizer may be required to obtain the recommended slump range. During placement, the concrete may fall freely through the open area in the reinforcing steel cage provided it does not strike the reinforcing steel and/or the casing prior to reaching the bottom of the excavation. The removable steel casing should be extracted as concrete is placed. During steel casing removal a head of concrete should be maintained above the bottom of the casing to prevent soil and water intrusion into the concrete below the bottom of the casing.

If subsurface water is anticipated and/or weak soil layers are encountered drilled shafts are typically installed utilizing the "wet" method by excavating beneath a drilling mud slurry. The drilling mud slurry is added to the drilled shaft excavation after groundwater has been encountered and/or the sides of the excavation are observed to be caving or sloughing. Additional inspection by a Geotechnical Engineer, or their representative, during the "wet" method should consist of verifying maintenance of sufficient slurry head, monitoring the specific gravity, pH and sand content of the drilling slurry, and monitoring any changes in the depth of the excavation between initial approval and just prior to concreting.

Concrete placement utilizing the "wet" method is conducted through a tremie pipe at the bottom of the excavation with the drilling mud slurry level maintained at a minimum of 5 feet or one shaft diameter, whichever is greater, above the ground water elevation. The bottom of the tremie should be set one tremie pipe diameter above the excavation. A closure flap at the bottom of the tremie or a sliding plug introduced into the tremie before the concrete is recommended to reduce the potential contamination of the concrete by the drilling mud slurry. The bottom of the tremie must be maintained in the concrete during placement. Additional concrete should be placed through the tremie causing the slurry to overflow from the excavation in order to reduce the potential for the development of "slurry pockets" remaining in the drilled shaft.



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QUALIFICATIONS

The design parameters and conclusions provided in this report have been determined in accordance with generally accepted geotechnical engineering practices and are considered applicable to a rational degree of engineering certainty based on the data available at the time of report preparation and our practice in this geographic region. All recommendations and supporting calculations were prepared based on the data available at the time of report preparation and knowledge of typical geotechnical parameters in the applicable geographic region.

The subsurface conditions used in the determination of the design recommendations contained in this report are based on interpretation of subsurface data obtained at specific boring locations. Irrespective of the thoroughness of the subsurface investigation, the potential exists that conditions between borings will differ from those at the specific boring locations, that conditions are not as anticipated during the original analysis, or that the construction process has altered the soil conditions. That potential is significantly increased in locations where existing fill materials are encountered. Additionally, the nature and extent of these variations may not be evident until the commencement of construction. Therefore, a geotechnical engineer, or their representative, should observe construction practices to confirm that the site conditions do not differ from those conditions anticipated in design. If such variations are encountered, Delta Oaks Group should be contacted immediately in order to provide revisions and/or additional site exploration as necessary.

Samples obtained during our subsurface field investigation will be retained by Delta Oaks Group for a period of 30 days unless otherwise instructed by TeleCAD Wireless. No warranty, expressed or implied, is presented.

Delta Oaks Group appreciates the opportunity to be of service for this Geotechnical Investigation Report. Please do not hesitate to contact Delta Oaks Group with any questions or should you require additional service on this project.



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APPENDIX



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BORING PLAN





PROJECT NAME CK McDaniels (KY0097)
PROJECT NUMBER GEO23-19773-08
PROJECT LOCATION McDaniels, Kentucky

CLIENT TeleCAD Wireiess

Boring No.: B-1

DATE DRILLED : 8/25/2023
DRILLING METHOD : Hollow Stem Auger & Rock Coring
GROUND ELEVATION :
BORING DEPTH (ft) : 12.7

GROUND WATER LEVELS:
AT TIME OF DRILLING : -- Not encountered
AT END OF DRILLING : -- Not encountered
AFTER DRILLING : -- Not measured

DEPTH (ft)	MATERIAL DESCRIPTION	SAMPLE TYPE	MATERIAL CLASSIFICATION	Pocket Penetrometer (tsf)	BLOWS 1st	BLOWS 2nd	BLOWS 3rd	N VALUE	▲ SPT N VALUE ▲													
									10	20	30	40	50	60	70	80	90					
0.0	Medium stiff, brown, LEAN CLAY (CL), trace sand, moist		CL																			
2.5	-- Trace roots								2	2	3	5	▲									
5.0	-- Stiff, tan, trace rock fragments								3	4	4	8	▲									
7.5									4	5	4	9	▲									
10.0	Tan, gray, highly fractured, highly weathered, hard, SANDSTONE Unconfined compressive strength = 9,190 psi				REC = 77.1 %	RQD = 11.4 %																
12.5																						
Refusal at 7.7 feet. Bottom of borehole at 12.7 feet.																						

DIRECTIONS FROM BRECKENRIDGE COUNTY COURTHOUSE:

HEAD SOUTH ON KY-259 / KY-261 / S MAIN ST TOWARD COURTHOUSE SQ (1.3 MI), TURN LEFT ONTO US-60 W / US HIGHWAY 60 BYP (3.0 MI), TURN RIGHT ONTO KY-79 / KY-259 / S HIGHWAY 259 (9.5 MI), TURN LEFT ONTO E FENTRESS VILLAGE LN (0.1 MI), KEEP RIGHT TO STAY ON E FENTRESS VILLAGE LN (0.3 MI), ARRIVE AT E FENTRESS VILLAGE LN. THE LAST INTERSECTION BEFORE YOUR DESTINATION IS HINTON HILLS SPUR.

Prepared by Telecad Wireless 423-843-9500

**This instrument was prepared by
and after recording return to:**

TowerCo 2013 LLC
5000 Valleystone Drive, Suite 200
Cary, NC 27519
919-653-5700

Jason Catalini 

(Recorder's Use Above this Line)

STATE OF KENTUCKY

Parcel Nos: 78-28Q, 78-28Y, and 78-28Z

COUNTY OF BRECKINRIDGE

MEMORANDUM OF EASEMENT

Document Date:

December 16, 2012

Grantor: FENTRESS MARINE, INC., a Kentucky corporation
Address: PO Box 65, McDaniels, KY 40152

Grantee: TOWERCO 2013 LLC, a Delaware limited liability company
Address: 5000 Valleystone Drive, Suite 200, Cary, NC 27519

Legal Description of the Land is attached as Exhibit A.

MEMORANDUM OF EASEMENT

This Memorandum of Easement made and entered into effective as of the 16th day of December, 2022, by and between FENTRESS MARINE, INC., a Kentucky corporation, having a mailing address of PO Box 65, McDaniels, KY 40152 (hereinafter referred to as “Grantor” or “Grantor”) and TOWERCO 2013 LLC, a Delaware limited liability company having a mailing address of 5000 Valleystone Drive, Suite 200, Cary, NC 27519 (hereinafter referred to as “Grantee” or “Grantee”).

1. Grantor and Grantee entered into that certain Easement Agreement dated the 16th day of December, 2022 (the “Easement”) for certain real property and easements as described in Exhibit B attached hereto (collectively, the “Premises”), which are a portion of that certain parcel of real property located in McDaniels, County of Breckinridge, State of Kentucky, described in Exhibit A attached hereto (the “Land”).

2. The Easement shall have a term of sixty (60) years.

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

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

EXHIBIT A
DESCRIPTION OF LAND

The Land is described and/or depicted as follows:

PARCEL 78-28Q:

THE FOLLOWING DESCRIBED PROPERTY SITUATED IN BRECKINRIDGE COUNTY, KENTUCKY, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS, TO-WIT:

PARCEL NO. THREE (3) (14.0374 AC.), OF THE JEWELL RULON PROPERTY PER SURVEY OF T.W. SMITH, KY. L.S. #2373 DATED NOVEMBER 11, 1992, AND OF RECORD IN PLAT CAB. A, SLIDE 14 7, IN THE OFFICE OF THE BRECKINRIDGE COUNTY COURT CLERK, KENTUCKY.

SUBJECT TO ALL ROADWAYS, EASEMENTS, UTILITIES, AND RESTRICTIONS OF RECORD AND AS PLATTED, INCLUDING A TWENTY (20') FOOT UTILITY EASEMENT, BOTH PUBLIC AND PRIVATE.

PARCEL 78-28Y:

BEING A 5.500 ACRE TRACT LOCATED ON THE EASTERLY SIDE OF KY. HWY. 259 NEAR THE TOWN OF MCDANIELS IN BRECKINRIDGE COUNTY, KENTUCKY AND FURTHER DESCRIBED AS FOLLOWS:

BEGINNING AT A 5/8" REBAR ON THE EASTERLY SIDE OF KY. HWY. 259 CORNER TO LOT 10, JEWELL RULON PROPERTY (PC 1 PG A-147); THENCE WITH SAID LOT 10 N 65 DEG. 52 MIN. 35 SEC. E., 439.86' TO A 5/8" REBAR IN THE LINE OF G. FENTRESS (COMM. BK 8 PG 52); THENCE WITH SAID G. FENTRESS S 37 DEG. 18 MIN. 33 SEC. E., 198.34' TO A 5/8" REBAR; THENCE S 37 DEG. 18 MIN. 33 SEC. E., 201.63' TO A 5/8" REBAR CORNER TO LOT 3; THENCE WITH SAID LOT 3 S 18 DEG. 17 MIN. 47 SEC. E., 45.86' TO A 5/8" REBAR; THENCE LEAVING SAID LOT 3 WITH A NEW LINE IN LOT 7 (E. MERCER, DB 216 PG 167) S 57 DEG. 07 MIN. 55 SEC. W., 533.57' TO A 5/8" REBAR ON THE EASTERLY SIDE OF SAID KY. HWY. 259; THENCE WITH SAID KY. HWY. 259 N 28 DEG. 42 MIN. 12 SEC. W., 44.50' TO A 5/8" REBAR; THENCE N 28 DEG. 42 MIN. 12 SEC. W., 125.15'; THENCE N 23 DEG. 51 MIN. 37 SEC. W., 111.26' TO A 5/8" REBAR; THENCE N 23 DEG. 51 MIN. 37 SEC. W., 87.08'; THENCE N 18 DEG. 54 MIN. 45 SEC. W., 149.34' TO THE BEGINNING AND CONTAINING 5.500 ACRES (MORE OR LESS) PER PHYSICAL SURVEY BY TIMOTHY W. SMITH.

PARCEL 78-28Z:

A CERTAIN TRACT OF LAND LYING NORTHWEST OF THE MCDANIELS COMMUNITY OF BRECKINRIDGE COUNTY, KY., ABUTTING THE NORTHEAST RIGHT OF WAY OF KY. HWY. 259, APPROX. 1/10TH OF A MILE NORTH OF ITS INTERSECTION WITH KY. 110 AND BEING FURTHER DESCRIBED AS FOLLOWS:

UNLESS OTHERWISE NOTED ALL REFERENCES TO A REBAR IS A 1/2" X 18" STEEL REBAR SET WITH CAP K CLEMONS 2811.

BEGINNING AT A REBAR (FOUND - WITH CAP 2373 TW SMITH) IN THE NORTHEAST RIGHT OF WAY OF KY. HWY. 259 (APPROX. 30' FROM CENTER), SAID REBAR ALSO BEING THE SOUTHWEST CORNER OF THE MIKE POUNDS PROPERTY (D.B. 232, P.687). THENCE LEAVING SAID POUNDS PROPERTY AND WITH THE NORTHEAST RIGHT OF

WAY OF KY. HWY. 259 ON TWO CALLS AS FOLLOWS: S-28-42-18-E, 34.91 FEET; S-33-57-57-E, 157.01 FEET TO A REBAR IN SAID RIGHT OF WAY (APPROX. 30' FROM CENTER). THENCE LEAVING SAID KY. 259, SEVERING PARENT TRACT N-52-17-46-E, 495.87 FEET TO A REBAR IN THE SOUTHWEST LINE OF THE GEORGE FENTRESS PROPERTY (D.B. 216, P179). THENCE WITH SAID FENTRESS N-18-17-47-W, 154.98 FEET TO A REBAR (FOUND - WITH CAP 2373 TW SMITH), ALSO BEING THE NORTHWEST CORNER OF SAID FENTRESS, AND THE SOUTHEAST CORNER OF THE AFOREMENTIONED POUNDS PROPERTY. THENCE WITH THE SOUTHEAST LINE OF SAID POUNDS S-57-07-52-W, 533.57 FEET TO THE BEGINNING. CONTAINING: 2.012 ACRES MORE OR LESS ACCORDING TO A SURVEY MADE BY CLEMONS & ASSOCIATES ENGINEERING AND LAND SURVEYING ON THE 12TH OF JULY, 2000. KENDALL CLEMONS KY. P.L.S. #2811. SUBJECT TO ANY AND ALL RIGHTS OF WAY, APPURTENANCES, RESTRICTIONS AND/OR EASEMENTS IN EFFECT TO DATE. SOURCE OF TITLE: A PART OF D.B. 232, P 653.

EXHIBIT B
DESCRIPTION OR DEPICTION OF PREMISES

An approximately 10,000 square foot tract of land, together with easements for ingress, egress and utilities described or depicted as follows. Exact legal description to be determined by survey.

LEASE AREA

Being a part of the northeast right of way of Kentucky 259, South of the intersection with Kentucky 79 and being on the properties conveyed to Fentress Marine, Inc. in Deed Book 435, Page 353, Deed Book 435, Page 350 and Deed Book 334, Page 632 in Breckinridge County Clerk's Office, Town of McDaniels, Breckinridge County, Kentucky which is further described as follows:

Commencing at a 5/8" rebar with cap stamped "4076" found at the southwest corner of the Fentress Village Subdivision as shown in Plat Book 1, Page 18 of said clerk's office and being the northwest corner of the property conveyed to Fentress Marine, Inc. in Deed Book 435, Page 353 of the said clerk's office;

Thence along the shared line N 65°57'08" E - 176.83' to a point;

Thence leaving said shared line and traversing said Fentress Marine, Inc. property S 24°02'52" E - 12.04' to a set iron rod with a cap stamped "FStan 3282", and being the True Point of Beginning of the Lease Area;

Thence S 86°16'16" E - 100.00' to a set iron rod with a cap stamped "FStan 3282";

Thence S 03°43'44" W - 100.00' to a set iron rod with a cap stamped "FStan 3282";

Thence N 86°16'16" W - 100.00' to a set iron rod with a cap stamped "FStan 3282";

Thence N 03°43'44" E - 100.00' to the point of beginning, containing 10,000.00 square feet as per survey by Frank L. Sellinger, II dated November 04, 2022.

ACCESS & UTILITY EASEMENT

Being a part of the northeast right of way of Kentucky 259, South of the intersection with Kentucky 79 and being on the properties conveyed to Fentress Marine, Inc. in Deed Book 435, Page 353, Deed Book 435, Page 350 and Deed Book 334, Page 632 in Breckinridge County Clerk's Office, Town of McDaniels, Breckinridge County, Kentucky which is further described as follows:

Commencing at a 5/8" rebar with cap stamped "4076" found at the southwest corner of the Fentress Village Subdivision as shown in Plat Book 1, Page 18 of said clerk's office and being the northwest corner of the property conveyed to Fentress Marine, Inc. in Deed Book 435, Page 353 of the said clerk's office;

Thence along the shared line N 65°57'08" E - 176.83' to a point;

Thence leaving said shared line and traversing said Fentress Marine, Inc. property S 24°02'52" E - 12.04' to a set iron rod with a cap stamped "FStan 3282", and being the northwest corner of the Lease Area;

Thence with the perimeter of said Lease Area for the next two (2) calls: (1) S 03°43'44" W - 100.00' to set iron rod with a cap stamped "FStan 3282", and being the True Point of Beginning of the Access & Utility Easement;

Thence (2) S 86°16'16" E - 100.00' to a set iron rod with a cap stamped "FStan 3282";

Thence leaving said Lease Area S 03°43'44" W - 33.79' to a set iron rod with a cap stamped "FStan 3282";

Thence along a curve to the right with a radius of 75.00' and a chord of S 67°41'05" W - 134.77' to a set iron rod with a cap stamped "FStan 3282";

Thence N 48°21'33" W - 35.15' to a set iron rod with a cap stamped "FStan 3282";

Thence along a curve to the left with a radius of 50.00' and a chord of N 82°07'11" W - 55.57' to a set iron rod with a cap stamped "FStan 3282";

Thence S 64°07'10" W - 21.69' to a set iron rod with a cap stamped "FStan 3282";
Thence along a curve to the right with a radius of 80.00' and a chord of N 74°27'10" W - 105.87' to a set iron rod with a cap stamped "FStan 3282";
Thence along a curve to the left with a radius of 50.00' and a chord of N 75°43'22" W - 67.81' to a set iron rod with a cap stamped "FStan 3282";
Thence S 61°34'46" W - 391.61' to a set iron rod with a cap stamped "FStan 3282" on the east right of way of Kentucky Highway 259;
Thence with said east right of way N 24°18'13" W - 30.23' to a set iron rod with a cap stamped "FStan 3282";
Thence leaving said Kentucky Highway 259 and traversing said Fentress Marine, Inc. property N 61°34'46" E - 389.19' to a set iron rod with a cap stamped "FStan 3282";
Thence along a curve to the right with a radius of 80.00' and a chord of S 75°43'22" E - 108.50' to a set iron rod with a cap stamped "FStan 3282";
Thence along a curve to the left with a radius of 50.00' and a chord of S 74°27'10" E - 66.17' to a set iron rod with a cap stamped "FStan 3282";
Thence N 64°07'10" E - 21.69' to a set iron rod with a cap stamped "FStan 3282";
Thence along a curve to the right with a radius of 80.00' and a chord of S 82°07'11" E - 88.92' to a set iron rod with a cap stamped "FStan 3282";
Thence S 48°21'33" E - 35.15' to a set iron rod with a cap stamped "FStan 3282";
Thence along a curve to the left with a radius of 45.00' and a chord of N 67°41'05" E - 80.86' to a set iron rod with a cap stamped "FStan 3282";
Thence N 03°43'44" E - 3.79' to a set iron rod with a cap stamped "FStan 3282";
Thence N 86°16'16" W - 69.71' to a set iron rod with a cap stamped "FStan 3282";
Thence N 03°43'44" E - 30.00' to the point of beginning, containing 28,634.51 square feet as per survey by Frank L. Sellinger, II dated November 04, 2022.

(see attached survey)

- LEGAL DESCRIPTIONS (LEASE AREA)
- LEGAL DESCRIPTIONS (ACCESS EASE)
- LEGAL DESCRIPTIONS (PARENT TRACT)

LEGAL DESCRIPTIONS:

This is a description for Verizon, of a lease area to be located on the property of the Feintress Marine, Inc., and being a part of the northeast right of way of Kentucky 259, South of the intersection with Kentucky 79, Town of McDaniel, Breckinridge County, Kentucky, which is further described as follows:

LEASE AREA

Being a part of the northeast right of way of Kentucky 259, South of the intersection with Kentucky 79 and being on the properties conveyed to Feintress Marine, Inc. in Deed Book 433, Page 353, Deed Book 433, Page 350 and Deed Book 334, Page 632 in Breckinridge County Clerk's Office, Town of McDaniel, Breckinridge County, Kentucky which is further described as follows:

Commencing at a 3/4" rebar with cap stamped "4076" found at the southwest corner of the Feintress Village Subdivision as shown in Plat Book 1, Page 18 of said clerk's office and being the northwest corner of the property conveyed to Feintress Marine, Inc. in Deed Book 433, Page 353 of the said clerk's office;

Thence along the shared line N 65°57'09" E - 176.83' to a point;

Thence leaving said shared line and traversing said Feintress Marine, Inc. property S 24°02'52" E - 12.04' to a set iron rod with a cap stamped "5388";

Thence S 66°15'16" E - 100.00' to a set iron rod with a cap stamped "5388";

Thence N 63°43'44" W - 100.00' to a set iron rod with a cap stamped "5388";

Thence N 63°43'44" W - 100.00' to the point of beginning, containing 10,000.00 square feet as per survey by Frank L. Stullinger, II dated November 04, 2022.



ACCESS & UTILITY EASEMENT

Being a part of the northeast right of way of Kentucky 259, South of the intersection with Kentucky 79 and being on the properties conveyed to Feintress Marine, Inc. in Deed Book 433, Page 353, Deed Book 433, Page 350 and Deed Book 334, Page 632 in Breckinridge County Clerk's Office, Town of McDaniel, Breckinridge County, Kentucky which is further described as follows:

Commencing at a 3/4" rebar with cap stamped "4076" found at the southwest corner of the Feintress Village Subdivision as shown in Plat Book 1, Page 18 of said clerk's office and being the northwest corner of the property conveyed to Feintress Marine, Inc. in Deed Book 433, Page 353 of the said clerk's office;

Thence along the shared line N 65°57'09" E - 176.83' to a point;

Thence leaving said shared line and traversing said Feintress Marine, Inc. property S 24°02'52" E - 12.04' to a set iron rod with a cap stamped "5388";

Thence with the perimeter of said Lease Area for the near 140' (2) calls: (1) S 03°43'44" W - 100.00' to set iron rod with a cap stamped "5388";

Thence (2) S 66°15'16" E - 100.00' to a set iron rod with a cap stamped "5388";

Thence leaving said Lease Area S 03°43'44" W - 33.79' to a set iron rod with a cap stamped "5388";

Thence along a curve to the right with a radius of 75.00' and a chord of S 67°41'05" W - 134.71' to a set iron rod with a cap stamped "5388";

Thence N 49°21'33" W - 35.15' to a set iron rod with a cap stamped "5388";

Thence along a curve to the left with a radius of 50.00' and a chord of N 82°07'11" W - 55.57' to a set iron rod with a cap stamped "5388";

Thence S 64°07'10" W - 21.69' to a set iron rod with a cap stamped "5388";

Thence along a curve to the right with a radius of 80.00' and a chord of N 74°27'10" W - 105.07' to a set iron rod with a cap stamped "5388";

Thence S 61°34'46" W - 391.61' to a set iron rod with a cap stamped "5388" on the east right of way of Kentucky Highway 259;

Thence with said east right of way N 24°18'13" W - 30.23' to a set iron rod with a cap stamped "5388";

Thence leaving said Kentucky Highway 259 and traversing said Feintress Marine, Inc. property N 61°34'46" E - 399.19' to a set iron rod with a cap stamped "5388";

Thence along a curve to the right with a radius of 80.00' and a chord of S 75°43'22" E - 108.50' to a set iron rod with a cap stamped "5388";

Thence along a curve to the left with a radius of 50.00' and a chord of S 74°27'10" E - 66.17' to a set iron rod with a cap stamped "5388";

Thence along a curve to the right with a radius of 80.00' and a chord of S 82°07'11" E - 86.92' to a set iron rod with a cap stamped "5388";

Thence S 48°21'33" E - 35.15' to a set iron rod with a cap stamped "5388";

Thence along a curve to the left with a radius of 43.00' and a chord of N 67°41'05" E - 80.06' to a set iron rod with a cap stamped "5388";

Thence N 66°15'16" E - 31.79' to a set iron rod with a cap stamped "5388";

Thence N 63°43'44" W - 63.71' to a set iron rod with a cap stamped "5388";

Thence N 03°43'44" E - 30.00' to the point of beginning, containing 28,024.51 square feet as per survey by Frank L. Stullinger, II dated November 04, 2022.

PREPARED FOR:



TeleCAD
 1880 Northpark Blvd, Suite 118
 HUNTSVILLE, TN 37431
 PH: 615-884-8800
 FAX: 615-884-8800



1012 S. 4th Street, Suite 101
 Louisville, KY 40203
 Phone: (502) 636-5111
 Fax: (502) 636-5263

SITE NUMBER:	617291389
SITE NAME:	CK MCDANIELS
SITE ADDRESS:	KY HWY 259 MCDANIELS, KY 40152
LEASE AREA:	10,000.00 SQ.FT.
PROPERTY OWNER:	FEINTRESS MARINE, INC. 259 HWY 259 MCDANIELS, KY 40152
PARCEL NUMBER:	78-287, 78-282 & 78-280
SOURCE OF TITLE:	D.B. 334, P. 632, D.B. 433, P. 350, & D.B. 435, P. 353
EMP. BY:	593 FIELD ENGINEERING UNIT
CMRD BY:	RLS 10/19/22 11/04/22
FSM# PROJECT NO.:	22-11688

SHEET 3 OF 3

REVISIONS:

FWL S&S - 11/08/22
 LEGAL DESC. TRPO - 11/18/22

RAWLAND

LAND SURVEYOR'S CERTIFICATE

FRANK L. SELLINGER
 3282
 LICENSED PROFESSIONAL LAND SURVEYOR

11-18-22

DOCUMENT NO: 2020912711
 RECORDED ON: 1/6/2023 1:44:00 PM
 COUNTY CLERK: JARED BUTLER
 BOOK: D454 PAGE: 587 - 597 EASE
 Signed: _____

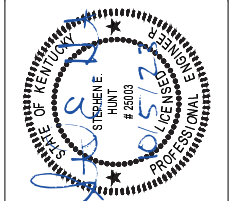
TeleCAD
Wireless

1961 NORTHPOINT BLVD.
HIKSON, TN 37343
PH: 423-643-9500
FAX: 423-643-9509

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DRAWN BY: TODD
CHECKED BY: SEH

REVISIONS	
#	DESCRIPTION
E	10/05/23 PLS ZONING ISSUE
D	09/18/23 PLS ZONING ISSUE
C	09/12/23 MJB ZONING ISSUE
B	01/18/23 MJB ZONING ISSUE
A	1/22/22 MJB ZONING ISSUE



FLUZE ID: 617291389

SITE NAME: CK MCDANIELS

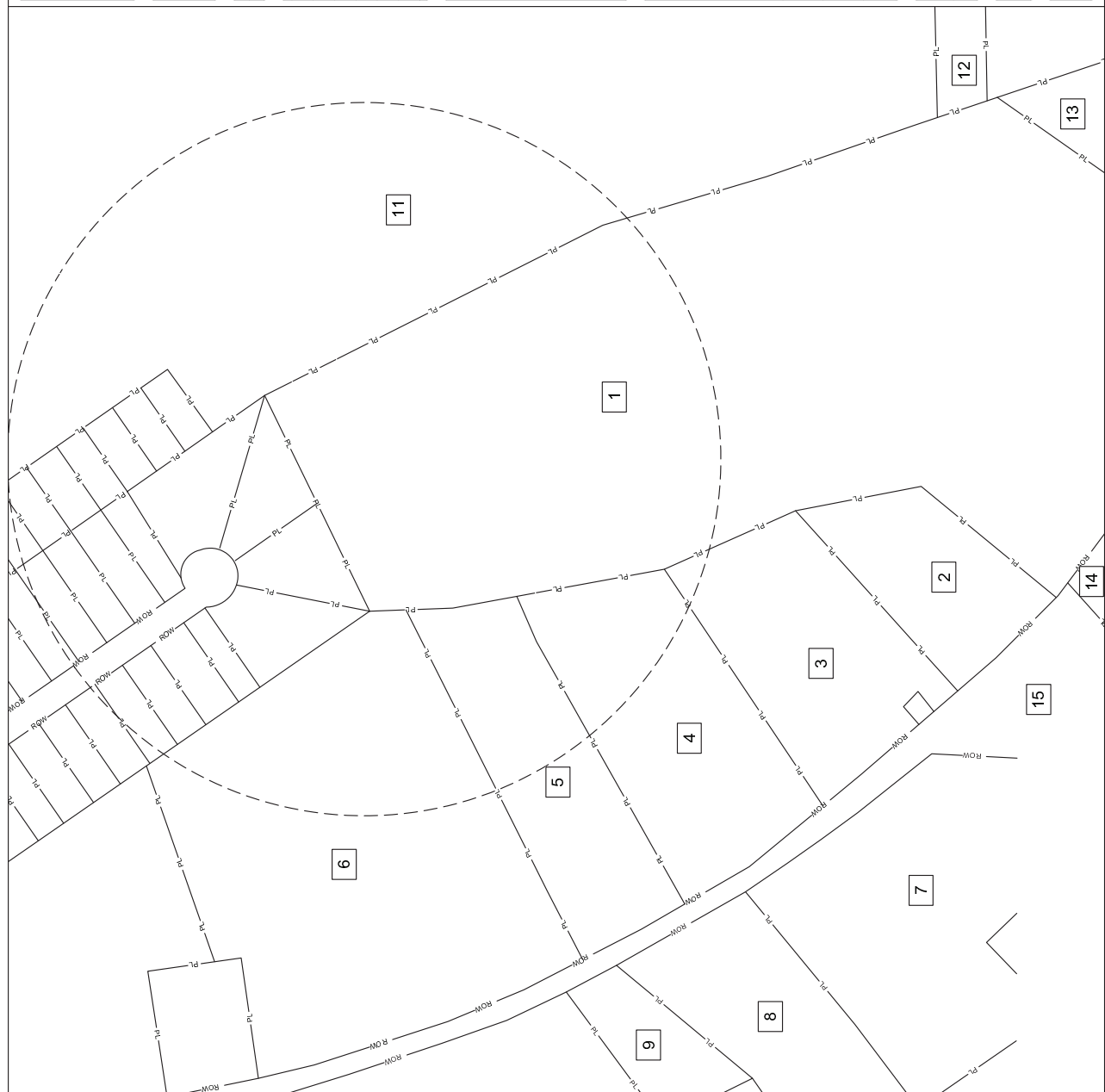
SITE # / LOCATION CODE: 723001

SITE ADDRESS: 8879 KY-259
MCDANIELS, KY 40152

SITE TYPE: RAWLAND

SHEET TITLE: 500' RADIUS AND ABUTTERS MAP

DRAWING #: Z3
REVISION: E



- ① PARCEL ID: 78-280 / FENTRESS MARINE INC. / PO BOX 65, MCDANIELS, KY 40152
- ② PARCEL ID: 78-28R / KENDALL TERRY L & DEBORAH / 392 SPRING DRIVE LN, MCDANIELS, KY 40152
- ③ PARCEL ID: 78-28S-1 / QUALIFIED EXCHANGE TITLE HOLDER / CO HERBERT LAW FIRM LLC, PO BOX 3889, GULF SHORES, AL 36547
- ④ PARCEL ID: 78-28S / QUALIFIED EXCHANGE TITLE HOLDER / CO HERBERT LAW FIRM LLC, PO BOX 3889, GULF SHORES, AL 36547
- ⑤ PARCEL ID: 78-28T / FENTRESS MARINE INC. / PO BOX 65, MCDANIELS, KY 40152
- ⑥ PARCEL ID: 78-28U / FENTRESS MARINE INC. / PO BOX 65, MCDANIELS, KY 40152
- ⑦ PARCEL ID: 78-28B-1 / LIBERATION CHURCH INC. / ATN: JACOB MCCLURE, 1628 LASHLEY ST, LEITCHFIELD, KY 42754
- ⑧ PARCEL ID: 78-28B / SINGER MARION G / 505 HINTON HILLS LOOP, HARDINSBURG, KY 40143
- ⑨ PARCEL ID: 78-28E-1 / MEREDITH DAVID & GLORIA / 9958 S HWY 259, MCDANIELS, KY 40152
- ⑩ PARCEL ID: 78-28E / SEANA TRUST & GEORGE FENTRESS FAMILY / CO DEBORAH FENTRESS, 2230 JUNCTION RD, FALLS OF ROUGH, KY 40119
- ⑪ PARCEL ID: 78-27 / GEORGE FENTRESS FAMILY LLC / 2230 JUNC. ON RD, FALLS OF ROUGH, KY 40119
- ⑫ PARCEL ID: 78-27-2 / OWNER NOT LISTED
- ⑬ PARCEL ID: 78-28P / OWNER NANCY HENNING / 2540 JIM BOB MATTINGLY RD, HARDINSBURG, KY 40143
- ⑭ PARCEL ID: 78-28N / OWNER WILLIAM V NEULING / 2016 91ST STREET NW, BRADENTON, FL 34209
- ⑮ PARCEL ID: 78-28M / OWNER NANCY HENNING / 2540 JIM BOB MATTINGLY RD, HARDINSBURG, KY 40143

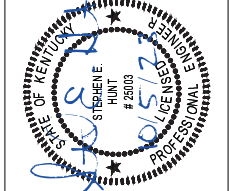




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DRAWN BY:	TODD
CHECKED BY:	SEH

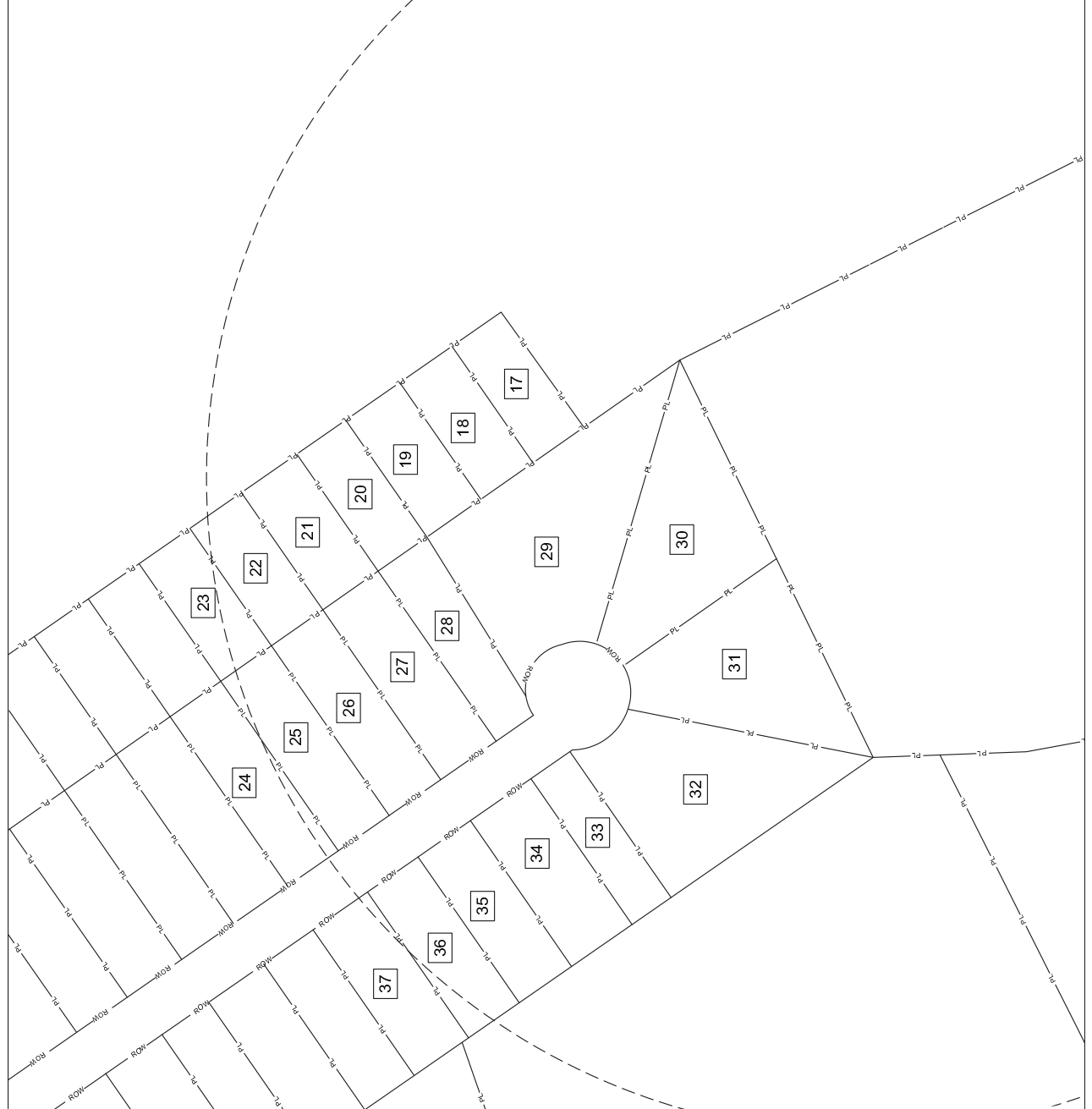
REVISIONS	
#	DESCRIPTION
E	10/05/23 PLS ZONING ISSUE
D	09/18/23 PLS ZONING ISSUE
C	09/12/23 N/A ZONING ISSUE
B	01/18/23 N/A ZONING ISSUE
A	1/22/22 N/A ZONING ISSUE



PLUZE ID: 617291389
 SITE NAME: CK MCDANIELS
 SITE # / LOCATION CODE: 723001

SITE ADDRESS: 8879 KY-259
 MCDANIELS, KY 40152
 SHEET TITLE: 500' RADIUS AND ABUTTERS MAP

DRAWING #: Z4
 REVISION: E



- 17 PARCEL ID: FV1-105 / FENTRESS VILLAGE
- 18 PARCEL ID: FV1-104 / FENTRESS VILLAGE
- 19 PARCEL ID: FV1-103 / FENTRESS VILLAGE
- 20 PARCEL ID: FV1-102 / FENTRESS VILLAGE
- 21 PARCEL ID: FV1-101 / FENTRESS VILLAGE
- 22 PARCEL ID: FV1-100 / FENTRESS VILLAGE
- 23 PARCEL ID: FV1-99 / FENTRESS VILLAGE
- 24 PARCEL ID: FV1-45 / MCCUBBINS RICHARD ESTATE / ATN: DENISE MICHELE HAWKINS, PO BOX 67, MCDANIELS, KY 40152
- 25 PARCEL ID: FV1-44 / FENTRESS VILLAGE
- 26 PARCEL ID: FV1-43 / FENTRESS VILLAGE
- 27 PARCEL ID: FV1-42 / FENTRESS VILLAGE
- 28 PARCEL ID: FV1-41 / FENTRESS MARY ANN ESTATE
- 29 PARCEL ID: FV1-40 / FENTRESS VILLAGE
- 30 PARCEL ID: FV1-39 / FENTRESS VILLAGE
- 31 PARCEL ID: FV1-38 / FENTRESS VILLAGE
- 32 PARCEL ID: FV1-37 / FENTRESS GEORGE JR / 2230 JUNC. ON RD. FALLS OF ROUGH, KY 40119
- 33 PARCEL ID: FV1-36 / FENTRESS VILLAGE
- 34 PARCEL ID: FV1-35 / FENTRESS VILLAGE
- 35 PARCEL ID: FV1-34 / FENTRESS VILLAGE
- 36 PARCEL ID: FV1-33 / BARRET ROGERD & CATHRYN / PO BOX 62, MCDANIELS, KY 40152
- 37 PARCEL ID: FV1-32 / FENTRESS VILLAGE



McDaniels Notice List with screen shots

Parcel #78-28Q
 FENTRESS MARINE INC
 P O BOX 65
 MC DANIELS, KY 40152

qPublic.net Breckinridge County, KY PVA

Elizabeth Williams Search search...

Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results **Report** Tax Estimator Home

Summary

Parcel Number: 78-28Q
 Account Number: 4529
 Location Address: S HWY 259
 Description: LAND & 2 STORAGE SHEDS
 (Note: Not to be used on legal documents)
 Class: Commercial
 Tax District: 01 Breckinridge County
 Rate Per Thousand: 9.3168

[View Map](#)

Owner

Primary Owner:
 FENTRESS MARINE INC
 P O BOX 65
 MC DANIELS, KY 40152

Land Characteristics

Valuation

Special Assessments

Taxes

Soil Capability Classification And Valuation

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
2/23/2021	\$105,000	Arms-Length Transaction	435-353	FENTRESS MARINE INC	SEANA TRUST & GEORGE FENTRESS FAMILY
1/28/2004	\$1	Close Relative Sale	298-316	SEANA TRUST & GEORGE FENTRESS FAMILY	FENTRESS GEORGE & OTHERS
12/17/1992	\$86,053	Other	216-179	FENTRESS GEORGE & OTHERS	RULON

Information

Breckinridge County, KY
 PO Box 516
 Hardinsburg, KY 40143
 Monday - Friday - 8:00 a.m. - 4:00 p.m.
 Saturday - 8:00 a.m. - 12:00 p.m.

Property Valuation Administrator
 Dana Bland
 (270) 756-5154

Announcements

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Parcel #78-28R
 KENDALL TERRY L & DEBORAH
 392 SPRING DRIVE LN
 MC DANIELS, KY 40152

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Elizabeth Williams Search search...

Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results **Report** Tax Estimator Home

Summary

Parcel Number: 78-28R
 Account Number: 7151
 Location Address: 10093 S 259 HWY
 Description: LAND & BUILDING
 (Note: Not to be used on legal documents)
 Class: Commercial
 Tax District: 01 Breckinridge County
 Rate Per Thousand: 9.3168

[View Map](#)

Owner

Primary Owner:
 KENDALL TERRY L & DEBORAH
 392 SPRING DRIVE LN
 MC DANIELS, KY 40152

Land Characteristics

Valuation

Special Assessments

Taxes

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
12/17/1992	\$4,400	Other	216-182	KENDALL TERRY L & DEBORAH	RULON

Information

Breckinridge County, KY
 PO Box 516
 Hardinsburg, KY 40143
 Monday - Friday - 8:00 a.m. - 4:00 p.m.
 Saturday - 8:00 a.m. - 12:00 p.m.

Property Valuation Administrator
 Dana Bland
 (270) 756-5154

Announcements

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Parcel #78-28S-1
 QUALIFIED EXCHANGE TITLEHOLDER
 C/O HERBERT LAW FIRM LLC
 PO BOX 3889
 GULF SHORES, AL 36547

qPublic.net Breckinridge County, KY PVA Elizabeth Williams Search search...

Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results **Report** Tax Estimator Home

Summary

Parcel Number: 78-28S-1
 Account Number: 32589
 Location Address: 10039 S HWY 259
 Description: BUILDING @ 10039 S HWY 259
 (Note: Not to be used on legal documents)
 Class: Commercial
 Tax District: 01 Breckinridge County
 Rate Per Thousand: 9.3168

[View Map](#)

Owner

Primary Owner
 QUALIFIED EXCHANGE TITLEHOLDER
 C/O HERBERT LAW FIRM LLC
 PO BOX 3889
 GULF SHORES, AL 36547

Land Characteristics

Valuation

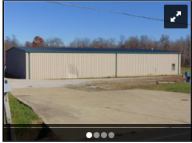
Taxes

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book/Page	Grantee	Grantor
1/25/2021	\$256,000	Multiple Properties	435-764	QUALIFIED EXCHANGE TITLEHOLDER	ELDER BARNIE R & SUSAN ELDER LIVING
5/9/2018	\$130,000	Arms-Length Transaction	411-201	ELDER BARNIE R & SUSAN ELDER LIVING	STB COMPANY
4/28/2015	\$1	Foreclosure Proceeding	386-469	STB COMPANY	SOSH CHRIS
2/15/2007	\$154,000	Arms-Length Transaction	370-451	SOSH CHRIS	CARRIER CARL WAYNE
5/25/1999	\$20,000	Other	259-638	CARRIER CARL WAYNE	KENNETH HOWARD

Information



Breckinridge County, KY
 PO Box 516
 Hardinsburg, KY 40143
 Monday - Friday: 8:00 a.m. - 4:00 p.m.
 Saturday: 8:00 a.m. - 12:00 p.m.

Property Valuation Administrator
 Dana Strand
 (270) 756-5154

Announcements

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Parcel #78-28S
 QUALIFIED EXCHANGE TITLEHOLDER
 C/O HERBERT LAW FIRM LLC
 PO BOX 3889
 GULF SHORES, AL 36547

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Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results **Report** Tax Estimator Home

Summary

Parcel Number: 78-28S
 Account Number: 32589
 Location Address: 10017 S 259 HWY
 Description: LAND & BLDG
 (Note: Not to be used on legal documents)
 Class: Commercial
 Tax District: 01 Breckinridge County
 Rate Per Thousand: 9.3168

[View Map](#)

Owner

Primary Owner
 QUALIFIED EXCHANGE TITLEHOLDER
 C/O HERBERT LAW FIRM LLC
 PO BOX 3889
 GULF SHORES, AL 36547

Land Characteristics

Valuation

Special Assessments

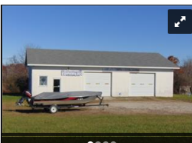
Taxes

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book/Page	Grantee	Grantor
1/25/2021	\$256,000	Multiple Properties	435-764	QUALIFIED EXCHANGE TITLEHOLDER	ELDER BARNIE R & SUSAN ELDER LIVING
8/9/2018	\$1	Partial Sale	413-432	ELDER BARNIE R & SUSAN ELDER LIVING	HOWARD KENNETH D
5/10/2018	\$95,000	Arms-Length Transaction	411-196	ELDER BARNIE R & SUSAN ELDER LIVING	HOWARD KENNETH D
5/26/1995	\$35,000	Other	232-483	HOWARD KENNETH D	MERCER ED & BURNIE
12/17/1992	\$39,501		216-167	MERCER ED & BURNIE	RULON JAMES MICHAEL

Information



Breckinridge County, KY
 PO Box 516
 Hardinsburg, KY 40143
 Monday - Friday: 8:00 a.m. - 4:00 p.m.
 Saturday: 8:00 a.m. - 12:00 p.m.

Property Valuation Administrator
 Dana Strand
 (270) 756-5154

Announcements

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Parcel #78-28Z
 FENTRESS MARINE INC
 P O BOX 65
 MC DANIELS, KY 40152


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Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results **Report** Tax Estimator Home

Summary

Parcel Number: 78-28Z
 Account Number: 4529
 Location Address: 9981 S HWY 259
 Description: LAND & MH FSB-T11400
 (Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 01 Breckinridge County
 Rate Per Thousand: 9.3168

[View Map](#)



Owner

Primary Owner:
 FENTRESS MARINE INC
 P O BOX 65
 MC DANIELS, KY 40152

Land Characteristics

Valuation

Special Assessments

Taxes

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
2/23/2021	\$70,000	Arms-Length Transaction	435-350	FENTRESS MARINE INC	GEORGE FENTRESS FAMILY LLC
5/21/2007	\$42,500	Arms-Length Transaction	324-259	GEORGE FENTRESS FAMILY LLC	HECK CHARLES T
8/2/2000	\$17,800	Other	269-013	HECK CHARLES T	HOWARD KENNETH

Information

Breckinridge County, KY
 PO Box 516
 Hardinsburg, KY 40143
 Monday - Friday - 8:00 a.m. - 4:00 p.m.
 Saturday - 8:00 a.m. - 12:00 p.m.

Property Valuation Administrator
 Dana Bland
 (270) 756-5154

Announcements

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Parcel #78-28Y
 FENTRESS MARINE INC
 P O BOX 65
 MCDANIELS, KY 40152


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Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results **Report** Tax Estimator Home

Summary

Parcel Number: 78-28Y
 Account Number: 4528
 Location Address: 9879 S 259 HWY
 Description: LAND & BUILDINGS
 (Note: Not to be used on legal documents)
 Class: Commercial
 Tax District: 01 Breckinridge County
 Rate Per Thousand: 9.3168

[View Map](#)



Owner

Primary Owner:
 FENTRESS MARINE INC
 P O BOX 65
 MCDANIELS, KY 40152

Land Characteristics

Valuation

Special Assessments

Taxes

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
9/2/2008	\$175,000	Expansion Sale	334-632	FENTRESS MARINE INC	CDK PROPERTIES, LLC
4/23/2004	\$63,300	Arms-Length Transaction	297-513	CDK PROPERTIES, LLC	POUNDS MIKE & RETTA J
5/31/1995	\$30,000	Other	232-686	POUNDS MIKE & RETTA J	MERCER ED & KATHRYN

Information

Breckinridge County, KY
 PO Box 516
 Hardinsburg, KY 40143
 Monday - Friday - 8:00 a.m. - 4:00 p.m.
 Saturday - 8:00 a.m. - 12:00 p.m.

Property Valuation Administrator
 Dana Bland
 (270) 756-5154

Announcements

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Parcel #78-28B-1
 LIBERATION CHURCH INC
 ATTN: JACOB MCCLURE
 1628 LASHLEY ST
 LEITCHFIELD, KY 42754

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Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results **Report** Tax Estimator Home

Summary

Parcel Number: 78-28B-1
 Account Number: 29269
 Location Address: 10032 S HWY 259
 Description: LAND & CHURCH & BLDGS
 (Note: Not to be used on legal documents)
 Class: Exempt Religious
 Tax District: 01 Breckinridge County
 Rate Per Thousand: 9.3168

[View Map](#)

Owner

Primary Owner
 LIBERATION CHURCH INC
 ATTN: JACOB MCCLURE
 1628 LASHLEY ST
 LEITCHFIELD, KY 42754


Land Characteristics

Valuation

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
4/17/2018	\$195,000	Partial Sale	410-694	LIBERATION CHURCH INC	ROUGH RIVER BAPTIST CHURCH



Information

Breckinridge County, KY
 PO Box 516
 Hardinsburg, KY 40143
 Monday - Friday - 8:00 a.m. - 4:00 p.m.
 Saturday - 8:00 a.m. - 12:00 p.m.

Property Valuation Administrator
[Dana Blain](#)
 (270) 756-5154

Announcements

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Parcel #78-28B
 SINGER MARTIN G
 505 HINTON HILLS LOOP
 HARDINSBURG, KY 40143

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Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results **Report** Tax Estimator Home

Summary

Parcel Number: 78-28B
 Account Number: 25751
 Location Address: N/A
 Description: (Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 01 Breckinridge County
 Rate Per Thousand: 9.3168

[View Map](#)

Owner

Primary Owner
[SINGER MARTIN G](#)
 505 HINTON HILLS LOOP
 HARDINSBURG, KY 40143

Land Characteristics

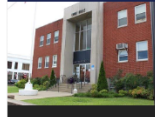
Valuation

Special Assessments

Taxes

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
4/15/2021	\$41,000	Arms-Length Transaction	437-193	SINGER MARTIN G	ROUGH RIVER BAPTIST CHURCH
12/21/1992	\$0	Other	216-184	ROUGH RIVER BAPTIST CHURCH	RULON JEWEL WILSON
12/17/1992	\$32,538		216-186	ROUGH RIVER BAPTIST CHURCH	RULON JEWEL WILSON



Information

Breckinridge County, KY
 PO Box 516
 Hardinsburg, KY 40143
 Monday - Friday - 8:00 a.m. - 4:00 p.m.
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Property Valuation Administrator
[Dana Blain](#)
 (270) 756-5154

Announcements

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Parcel #78-28E-1
 MEREDITH DAVID & GLORIA
 9958 S HWY 259
 MCDANIELS, KY 40152

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Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results **Report** Tax Estimator Home

Summary

Parcel Number: 78-28E-1
 Account Number: 8712
 Location Address: 9958 S HWY 259
 Description: LAND & HOUSE & GARAGE
 (Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 01 Breckinridge County
 Rate Per Thousand: 9.3168

[View Map](#)

Owner

Primary Owner: MEREDITH DAVID & GLORIA
 9958 S HWY 259
 MCDANIELS, KY 40152

Land Characteristics

Valuation

Special Assessments

Taxes

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
10/28/1998	\$65,000	Other	255-774	MEREDITH DAVID & GLORIA	STRAUB FRANK
8/27/1994	\$49,430		227-880	STRAUB FRANK	FENTRESS GEORGE & OTHERS

Information

Breckinridge County, KY
 PO Box 516
 Hardinsburg, KY 40143
 Monday - Friday - 8:00 a.m. - 4:00 p.m.
 Saturday - 8:00 a.m. - 12:00 p.m.

Property Valuation Administrator
 Dana Bland
 (270) 756-5154

Announcements

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Parcel #78-28E
 SEANA TRUST & GEORGE FENTRESS FAMILY
 C/O DEBORAH FENTRESS
 2230 JUNCTION ROAD
 FALLS OF ROUGH, KY 40119-

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Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results **Report** Tax Estimator Home

Summary

Parcel Number: 78-28E
 Account Number: 16246
 Location Address: N/A
 Description:
 (Note: Not to be used on legal documents)
 Class: Farm
 Tax District: 01 Breckinridge County
 Rate Per Thousand: 9.3168

[View Map](#)

Owner

Primary Owner: SEANA TRUST & GEORGE FENTRESS FAMILY
 C/O DEBORAH FENTRESS
 2230 JUNCTION ROAD
 FALLS OF ROUGH, KY 40119-

Land Characteristics

Valuation

Special Assessments

Taxes

Soil Capability Classification And Valuation

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
1/28/2004	\$1	Close Relative Sale	298-316	SEANA TRUST & GEORGE FENTRESS FAMILY	FENTRESS GEORGE & OTHERS
12/17/1992	\$86,053	Other	216-179	FENTRESS GEORGE & OTHERS	RULON

Information

Breckinridge County, KY
 PO Box 516
 Hardinsburg, KY 40143
 Monday - Friday - 8:00 a.m. - 4:00 p.m.
 Saturday - 8:00 a.m. - 12:00 p.m.

Property Valuation Administrator
 Dana Bland
 (270) 756-5154

Announcements

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Parcel #78-27
 GEORGE FENTRESS FAMILY LLC
 2230 JUNCTION RD
 FALLS OF ROUGH, KY 40119-

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Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results **Report** Tax Estimator Home

Summary

Parcel Number: 78-27
 Account Number: 16833
 Location Address: N/A
 Description: INC 78-29 & Lots (see under notes)
(Note: Not to be used on legal documents)
 Class: Farm
 Tax District: 01 Breckinridge County
 Rate Per Thousand: 9.3168

[View Map](#)

Owner

Primary Owner:
 GEORGE FENTRESS FAMILY LLC
 2230 JUNCTION RD
 FALLS OF ROUGH, KY 40119-

Land Characteristics

Valuation

Special Assessments


Taxes

Soil Capability Classification And Valuation

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
1/10/2001	\$0	Close Relative Sale	272-197	GEORGE FENTRESS FAMILY LLC	FENTRESS GEORGE JR
8/1/1977	\$3,000	Other	150-166	FENTRESS GEORGE JR	CRITCHELOW THOMAS & ALFRED

Information



Breckinridge County, KY
 PO Box 516
 Hardinsburg, KY 40143
 Monday - Friday: 8:00 a.m. - 4:00 p.m.
 Saturday: 8:00 a.m. - 12:00 p.m.

Property Valuation Administrator
 Dana Brand
 (270) 756-5154

Announcements

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Parcel # 78-27-2 - Per PVA Office land-hook (shown in purple) indicates this parcel is owned by the adjacent parcel# 78-27.

GEORGE FENTRESS FAMILY LLC
 2230 JUNCTION RD
 FALLS OF ROUGH, KY 40119-

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Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results Tax Estimator Home

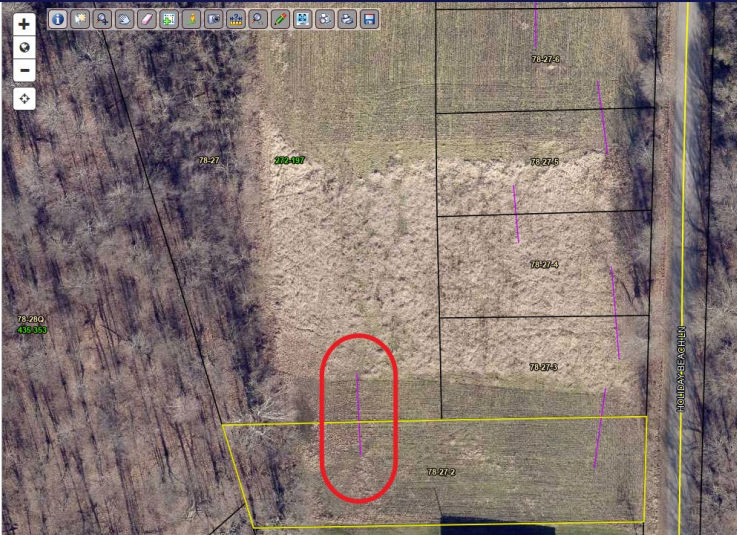
Layer List Legend

Quick Links:
 Property Search
 View Map

Layers:

- Parcels
- Parcel Numbers
- Deed Reference
- Owner Names
- Yearly Sales
- Structure Points
- Roads
- USA Major Highways
- City Labels
- Landhook
- Railroads
- Rivers
- Lakes
- County Outlines
- 2016 Ortho
- 2019 Ortho
- 2022 Ortho

[Restore Layer Defaults](#)



- Parcel #FV1-105
- Parcel #FV1-104
- Parcel #FV1-103
- Parcel #FV1-102
- Parcel #FV1-101
- Parcel #FV1-100
- Parcel #FV1-99
- Parcel #FV1-44
- Parcel #FV1-43
- Parcel #FV1-42
- Parcel #FV1-39
- Parcel #FV1-38
- Parcel #FV1-32

The above listed Parcels, per the Breckinridge County PVA Office are part of a subdivision and have not been sold. They are under the original ownership of George Fentress Family, LLC
 2230 JUNCTION RD
 FALLS OF ROUGH, KY 40119-
 as shown on the document below, provided by Dana H. Bland, Breckinridge Co PVA, Phone: 270-756-5154, Email : danah.bland@ky.gov

Map	FV1 58 LOTS	2023	Owner	16833	GEORGE FENTRESS FAMILY LLC
Location			Description	LOT & TRAILER ON 20/21	
			Alt Map No		

District	Breckinridge County	Land	20,000	ORP OF ENG	0
Class	Residential	Imp	2,000	Min/Timber	0
Exemption		Ag Imp	0	Unmined Coal	0
		Adjustment	0	Watershed	0
		Total	22,000	FIRE DUES	129

Quad	2	Farm Acres	0.00	Fire Protection Acres	0.00	Watershed Acres:	0.00
Date Checked:		Checked By		Date Assessed			

Notes: LOTS
 8,9,10,17,18,19,20,21,22,23,29,30,31,32,38,39,42,43,44,52,53,59,60,61,62,63,64,77,78,79,80,81,82,83,84,85
 ,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104, & 105
 Lots----73-105 (actually in corn for 2011)

Created	10/15/2010	By:	cball	Changed	10/02/2023	By:	mcarrman
---------	------------	-----	-------	---------	------------	-----	----------

Add Addition/Deletion Record

Accept	Make Desired Changes and click Accept to Update Assessment.	Cancel
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Parcel #FV1-37
 FENTRESS GEORGE JR
 2230 JUNCTION RD
 FALLS OF ROUGH, KY 40119

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Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results **Report** Tax Estimator Home

Summary

Parcel Number: FV1 37
 Account Number: 4478
 Location Address: 446 FENTRESS VILLAGE LANE
 Description: INC. FV1 35 & 36
 (Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 01 Breckinridge County
 Rate Per Thousand: 9.3168

[View Map](#)

Owner

Primary Owner:
 FENTRESS GEORGE JR
 2230 JUNCTION RD
 FALLS OF ROUGH, KY 40119

Land Characteristics

Valuation

Special Assessments

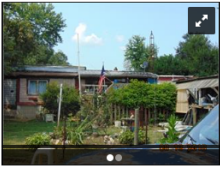
Taxes

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
9/1/1971	\$0	Master Commissioner	008-052	FENTRESS GEORGE JR	KENTUCKY CENTRAL LIFE INS

Information



Breckinridge County, KY
 PO Box 516
 Hardinsburg, KY 40143
 Monday - Friday - 8:00 a.m. - 4:00 p.m.
 Saturday - 8:00 a.m. - 12:00 p.m.

Property Valuation Administrator
 Dana Bland
 (270) 756-5154

Announcements

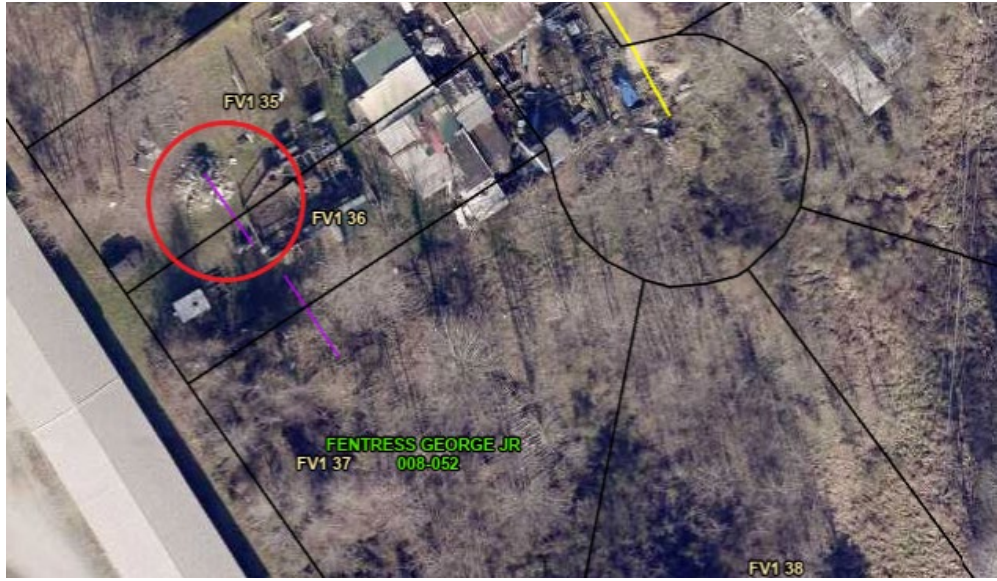
[How to use the Reason site - view Demo Videos](#)

Parcel #FV1-36 - Per PVA Office land-hook (shown in purple) indicates this parcel is owned by the adjacent parcel #FV1-37
 FENTRESS GEORGE JR
 2230 JUNCTION RD
 FALLS OF ROUGH, KY 40119



Parcel #FV1-35 - Per PVA Office land-hook (shown in purple) indicates this parcel is owned by the adjacent parcel #FV1-37

FENTRESS GEORGE JR
 2230 JUNCTION RD
 FALLS OF ROUGH, KY 40119



Parcel # FV1-33
 BARRETT ROGER D & CATHRYN
 P O BOX 62
 MCDANIELS, KY 40152

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Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results **Report** Tax Estimator Home

Summary

Parcel Number: FV1 33
 Account Number: 787
 Location Address: 407 FENTRESS VILLAGE LANE
 Description: ALSO INCLUDES FV1 34
 (Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 01 Breckinridge County
 Rate Per Thousand: 9.3168

[View Map](#)

Owner

Primary Owner: BARRETT ROGER D & CATHRYN
 P O BOX 62
 MCDANIELS, KY 40152

Land Characteristics

Valuation

Special Assessments

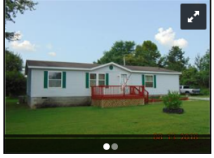
Taxes

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
11/7/1998	\$1	Other	256-457	BARRETT ROGER D & CATHRYN	BARRETT ROBERT LEE
6/4/1980	\$5,000		256-454	BARRETT CLIFTON & AMY L	FENTRESS GEORGE JR & ANN

Information



Breckinridge County, KY
 PO Box 516
 Harfordsburg, KY 40143
 Monday - Friday - 8:00 a.m. - 4:00 p.m.
 Saturday - 8:00 a.m. - 12:00 p.m.

Property Valuation Administrator
[Diana Blane](#)
 (270) 756-5154

Announcements

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Parcel #FV1-34 - Per PVA Office land-hook (shown in purple) indicates this parcel is owned by the adjacent parcel #FV1-33
 BARRETT ROGER D & CATHRYN
 P O BOX 62
 MCDANIELS, KY 40152



Parcel # FV1-45
 MC CUBBINS RICHARD ESTATE
 ATTN: DENISE MICHELE HAWKINS
 P O BOX 67
 MC DANIELS, KY 40152

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Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results **Report** Tax Estimator Home

Summary

Parcel Number: FV1 45
 Account Number: 8521
 Location Address: 424 FENTRESS VILLAGE LN
 Description: ALSO INCLUDES FV1 46
 (Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 01 Breckinridge County
 Rate Per Thousand: 9.3168

[View Map](#)

Owner

Primary Owner
 MC CUBBINS RICHARD ESTATE
 ATTN: DENISE MICHELE HAWKINS
 P O BOX 67
 MC DANIELS, KY 40152

Land Characteristics

Valuation

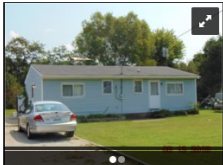
Taxes

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
7/10/2023	\$1	Close Relative Sale	038-058	MC CUBBINS RICHARD ESTATE	MC CUBBINS RICHARD ESTATE
1/7/2002	\$1	Other	279-332	MC CUBBINS RICHARD	MCCUBBINS SHERRYLL
2/7/1976	\$3,500	Other	189-001	MCCUBBINS RICHARD & SHERRYLL	FENTRESS GEORGE JR & ANN

Information



Breckinridge County, KY
 PO Box 516
 Hardinsburg, KY 40143
 Monday - Friday - 8:00 a.m. - 4:00 p.m.
 Saturday - 8:00 a.m. - 12:00 p.m.

Property Valuation Administrator
 Dana Bland
 (270) 756-5154

Announcements

[How to use the Reason site - view Demo Videos](#)

Parcel # FV1-41

FENTRESS MARY ANN ESTATE

Per the Breckinridge County PVA Office records do not have an address, their records state that “her only heir was Sarah Jabin and she stated she did not want to pay the bill anymore in 2015 so we took out her address”. However, the PVA Office sent the heir’s address in an email, provided by Dana H. Bland, Breckinridge Co PVA, Phone: 270-756-5154, Email : danah.bland@ky.gov

FENTRESS MARY ANN ESTATE

Sarah Jabin

12 Beeline Dr Apt R

Franklin NC 28734

The screenshot shows the Public.net interface for Breckinridge County, KY PVA. The main content area displays the following information:

- Summary:** Parcel Number: FV1-41, Account Number: 234823, Location Address: 451 FENTRESS VILLAGE LN, Description: INC FV1-40 (Note: This field to be used on legal documents), Class: Residential, Tax District: 02 Breckinridge County, Rate Per Thousand: 9.3168.
- Owner:** Primary Owner: FENTRESS MARY ANN ESTATE.
- Land Characteristics:** Oil, Min/Timber, Unmined Coal, Watershed, Fire District.
- Valuation:** 129.
- Special Assessments:** (None listed)
- Taxes:** (None listed)
- Sale Information:** Sale Date: 9/3/1979, Sale Price: \$6,000, Sale Type: Other, Book-Page: 202-452, Grantee: FENTRESS MARY ANN, Grantor: FENTRESS GEORGE S ANN.

The right-hand sidebar contains an 'Information' section with a photo of a building and contact details for Dana Bland, Property Valuation Administrator, at 270-756-5154. Below this is an 'Announcements' section with a link to a video.

Parcel # FV1-40 - Per PVA Office land-hook (shown in purple) indicates this parcel is owned by the adjacent parcel #FV1-41

FENTRESS MARY ANN ESTATE

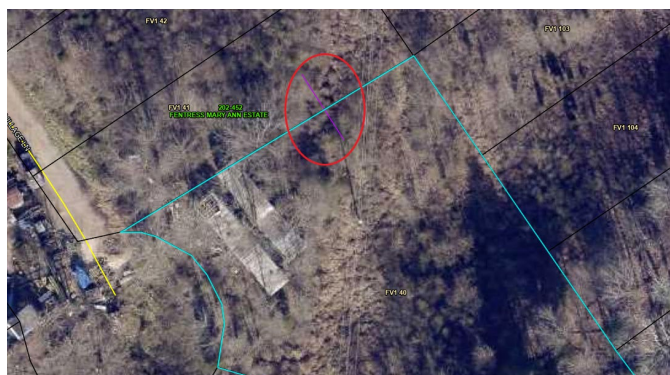
Per the Breckinridge County PVA Office records do not have an address, their records state that “her only heir was Sarah Jabin and she stated she did not want to pay the bill anymore in 2015 so we took out her address”. However, the PVA Office sent the heir’s address in an email, provided by Dana H. Bland, Breckinridge Co PVA, Phone: 270-756-5154, Email : danah.bland@ky.gov.

FENTRESS MARY ANN ESTATE

Sarah Jabin

12 Beeline Dr Apt R

Franklin NC 28734



Parcel # 78-28M
 HENNING NANCY
 2540 JIM BOB MATTINGLY RD
 HARDINSBURG, KY 40143

qPublic.net Breckinridge County, KY PVA Elizabeth Williams Search search...

Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results **Report** Tax Estimator Home

Summary

Parcel Number: 78-28M
 Account Number: 6003
 Location Address: N/A
 Description: *(Note: Not to be used on legal documents)*
 Class: Residential
 Tax District: 01 Breckinridge County
 Rate Per Thousand: 9.3168

[View Map](#)

Owner

Primary Owner
 HENNING NANCY
 2540 JIM BOB MATTINGLY RD
 HARDINSBURG, KY 40143

Land Characteristics

Valuation


Special Assessments

Taxes

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
6/16/2003	\$30,000	Other	290-536	HENNING AUGUST & NANCY	FENTRESS GEORGE & OTHERS
12/17/1992	\$86,053	Other	216-179	FENTRESS GEORGE & OTHERS	RULON

Information



Breckinridge County, KY
 PO Box 516
 Hardinsburg, KY 40143
 Monday - Friday - 8:00 a.m. - 4:00 p.m. Saturday - 8:00 a.m. - 12:00 p.m.

Property Valuation Administrator
 Dana Bland
 (270) 756-5154

Announcements

[How to use the Beacon site - view Demo Videos](#)

Parcel # 78-28N
 NEULING WILLIAM V
 2016 91ST STREET N.W.
 BRADENTON, FL 34209

qPublic.net Breckinridge County, KY PVA Elizabeth Williams Search search...

Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results **Report** Tax Estimator Home

Summary

Parcel Number: 78-28N
 Account Number: 22519
 Location Address: 101944/10202/10204/10210 S HWY 259
 Description: LAND & CABINS
(Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 01 Breckinridge County
 Rate Per Thousand: 9.3168

[View Map](#)

Owner

Primary Owner
 NEULING WILLIAM V
 2016 91ST STREET N.W.
 BRADENTON, FL 34209

Land Characteristics

Valuation

Special Assessments



Taxes

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
9/21/2012	\$250,000	Multiple Properties	364-475	NEULING WILLIAM V	HENNING AUGUST & NANCY
12/17/1992	\$48,142	Other	216-152	HENNING AUGUST & NANCY	RULON JAMES MICHAEL

Information

Breckinridge County, KY
 PO Box 516
 Hardinsburg, KY 40143
 Monday - Friday - 8:00 a.m. - 4:00 p.m. Saturday - 8:00 a.m. - 12:00 p.m.

Property Valuation Administrator
 Dana Bland
 (270) 756-5154

Announcements

[How to use the Beacon site - view Demo Videos](#)

Parcel # 78-28P
 HENNING NANCY
 2540 JIM BOB MATTINGLY RD
 HARDINSBURG, KY 40143

qPublic.net Breckinridge County, KY PVA Elizabeth Williams Search search...

Layers Map Search Sales Search Sales List Comp Search Results Sales Results Comp Results **Report** Tax Estimator Home

Summary

Parcel Number: 78-28P
 Account Number: 6003
 Location Address: N/A
 Description: (Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 01 Breckinridge County
 Rate Per Thousand: 9.3168

[View Map](#)

Owner

Primary Owner:
[HENNING NANCY](#)
 2540 JIM BOB MATTINGLY RD
 HARDINSBURG, KY 40143

Land Characteristics

Valuation


Special Assessments

Taxes

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
12/17/1992	\$48,142	Other	216-152	HENNING AUGUST & NANCY	RULON JAMES MICHAEL

Information



Breckinridge County, KY
 PO Box 516
 Hardinsburg, KY 40143
 Monday - Friday: 8:00 a.m. - 4:00 p.m.
 Saturday: 8:00 a.m. - 12:00 p.m.

Property Valuation Administrator
[Dana Bland](#)
 (270) 756-5154

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

October 4, 2023

**Notice of Proposed Construction of
Wireless Communications Facility
Site Name: McDaniels**

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 at 9879 KY-259, McDaniels, Kentucky 40152. (North Latitude: (37° 37' 9.08", West Longitude 86° 26' 17.30"). The proposed facility will include a 295-foot tall antenna tower, plus a 10-foot lightning arrester 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 2023-00311 in any correspondence sent in connection with this matter.

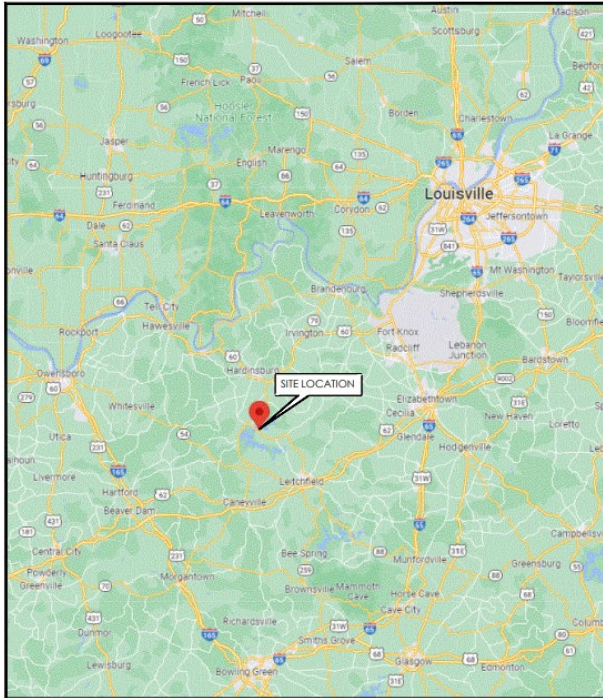
We have attached a map showing the site location for the proposed tower. Applicant's radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. 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

Site Location Map

VICINITY MAP



LOCATION MAP



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



9589 0710 5270 1403 3632 87

FENTRESS MARINE INC
P O BOX 65
MC DANIELS, KY 40152

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ZIP 46204 \$ 008.53⁰
02 7H
0006035028 OCT 04 2023

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Clark, Quinn, Moses, Scott & Grahn, LLP



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KENDALL TERRY L & DEBORAH
392 SPRING DRIVE LN
MC DANIELS, KY 40152

FIRST-CLASS



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Clark, Quinn, Moses, Scott & Grahn, LLP



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QUALIFIED EXCHANGE TITLEHOLDER
C/O HERBERT LAW FIRM LLC
PO BOX 3889
GULF SHORES, AL 36547

FIRST-CLASS



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ark, Quinn, Moses, Scott & Grahn, LLP

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LIBERATION CHURCH INC
ATTN: JACOB MCCLURE
1628 LASHLEY ST
LEITCHFIELD, KY 42754

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SINGER MARTIN G
505 HINTON HILLS LOOP
HARDINSBURG, KY 40143

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MEREDITH DAVID & GLORIA
9958 S HWY 259
MCDANIELS, KY 40152

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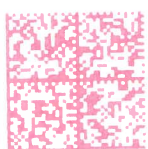
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0006035028 OCT 04 2023

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Clark, Quinn, Moses, Scott & Grahn, LLP



SEANA TRUST &
GEORGE FENTRESS FAMILY
C/O DEBORAH FENTRESS
2230 JUNCTION ROAD
FALLS OF ROUGH, KY 40119

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GEORGE FENTRESS FAMILY LLC
2230 JUNCTION RD
FALLS OF ROUGH, KY 40119

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FENTRESS GEORGE JR
2230 JUNCTION RD
FALLS OF ROUGH, KY 40119

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0006035028 OCT 04 2023

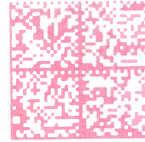
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Clark, Quinn, Moses, Scott & Grahn, LLP



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BARRETT ROGER D & CATHRYN
P O BOX 62
MCDANIELS, KY 40152

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Clark, Quinn, Moses, Scott & Grahn, LLP



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MC CUBBINS RICHARD ESTATE
ATTN: DENISE MICHELE HAWKINS
P O BOX 67
MC DANIELS, KY 40152

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Clark, Quinn, Moses, Scott & Grahn, LLP



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FENTRESS MARY ANN ESTATE
c/o Sarah Jabin
12 Beeline Dr Apt R
Franklin NC 28734

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ZIP 46204 \$ 008.53⁰
02 7H
0006035028 OCT 04 2023

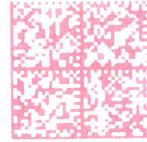
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Clark, Quinn, Moses, Scott & Grahn, LLP



9589 0710 5270 1403 3632 01

HENNING NANCY
2540 JIM BOB MATTINGLY RD
HARDINSBURG, KY 40143

FIRST-CLASS



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0006035028 OCT 04 2023

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NEULING WILLIAM V
2016 91ST STREET N.W.
BRADENTON, FL 34209

FIRST-CLASS



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02 7H
0006035028 OCT 04 2023

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1. Article Addressed to:

MC CUBBINS RICHARD ESTATE
 ATTN: DENISE MICHELE HAWKINS
 P O BOX 67
 MC DANIELS, KY 40152



9590 9402 8538 3186 2570 24

2. Article Number (Transfer from service label)

9589 0710 5270 1403 3631 88

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Denise Hawkins*

- Agent
- Addressee

B. Received by (Printed Name)

C. Date of Delivery
10-7-20

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

3. Service Type

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- Collect on Delivery Restricted Delivery
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation®
- Signature Confirmation Restricted Delivery

Mail Restricted Delivery

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1. Article Addressed to:

GEORGE FENTRESS FAMILY LLC
 2230 JUNCTION RD
 FALLS OF ROUGH, KY 40119



9590 9402 8538 3186 2570 55

2. Article Number (Transfer from service label)

9589 0710 5270 1403 3631 57

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Deborah Fentress*

- Agent
- Addressee

B. Received by (Printed Name)

Deborah Fentress

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
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation®
- Signature Confirmation Restricted Delivery

Mail Restricted Delivery

SENDER: COMPLETE THIS SECTION

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1. Article Addressed to:

FENTRESS GEORGE JR
 2230 JUNCTION RD
 FALLS OF ROUGH, KY 40119



9590 9402 8538 3186 2570 48

2. Article Number (Transfer from service label)

9589 0710 5270 1403 3631 64

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Deborah Fentress*

- Agent
- Addressee

B. Received by (Printed Name)

Deborah Fentress

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
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation®
- Signature Confirmation Restricted Delivery

Mail Restricted Delivery

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:

SEANA TRUST &
 GEORGE FENTRESS FAMILY
 C/O DEBORAH FENTRESS
 2230 JUNCTION ROAD
 FALLS OF ROUGH, KY 40119



9590 9402 8538 3186 2570 62

2. Article Number (Transfer from service label)

9589 0710 5270 1403 3631 40

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Deborah Fentress Agent
 Addressee

B. Received by (Printed Name)

Deborah Fentress

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
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Insured Mail Restricted Delivery
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
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1. Article Addressed to:

FENTRESS MARINE INC
 P O BOX 65
 MC DANIELS, KY 40152



9590 9402 8236 3030 6438 17

2. Article Number (Transfer from service label)

9589 0710 5270 1403 3632 87

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Meghan Miller Agent
 Addressee

B. Received by (Printed Name)

Meghan Miller

C. Date of Delivery

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
- Insured Mail Restricted Delivery
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

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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, on the front if space permits.

1. Article Addressed to:

BARRETT ROGER D & CATHRYN
 P O BOX 62
 MCDANIELS, KY 40152



9590 9402 8538 3186 2570 31

2. Article Number (Transfer from service label)

9589 0710 5270 1403 3631 71

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Cathy Barrett

- Agent
- Addressee

B. Received by (Printed Name)

C. Date of Delivery

10-12-22

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

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Insured Mail Restricted Delivery (500)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation®
- Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

FENTRESS MARY ANN ESTATE
 c/o Sarah Jabin
 12 Beeline Dr Apt R
 Franklin NC 28734



9590 9402 8538 3186 2570 17

2. Article Number (Transfer from service label)

9589 0710 5270 1403 3631 75

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Sarah Jabin

- Agent
- Addressee

B. Received by (Printed Name)

C. Date of Delivery

OCT - 9 2023 34

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

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Insured Mail Restricted Delivery (500)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation®
- Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

HENNING NANCY
 2540 JIM BOB MATTINGLY RD
 HARDINSBURG, KY 40143



9590 9402 8538 3186 2570 00

2. Article Number (Transfer from service label)

9589 0710 5270 1403 3632 01

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Nancy Henning

- Agent
- Addressee

B. Received by (Printed Name)

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
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Insured Mail Restricted Delivery (500)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation®
- Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

KENDALL TERRY L & DEBORAH
 392 SPRING DRIVE LN
 MC DANIELS, KY 40152



9590 9402 8236 3030 6438 00

2. Article Number (Transfer from service label)

9589 0710 5270 1403 3632 63

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Terry Smith* Agent
 Addressee

B. Received by (Printed Name)

C. Date of Delivery
10-19-20

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

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Mail Restricted Delivery (0)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

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1. Article Addressed to:

MEREDITH DAVID & GLORIA
 9958 S HWY 259
 MCDANIELS, KY 40152



9590 9402 8538 3186 2570 79

2. Article Number (Transfer from service label)

9589 0710 5270 1403 3632 56

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Gloria Meredith* Agent
 Addressee

B. Received by (Printed Name)

C. Date of Delivery
10-12-20

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

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Mail Restricted Delivery (00)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

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:

WILLIAM V
 2015 91ST STREET N.W.
 DENTON, FL 34209



9590 9402 8538 3186 2569 97

2. Article Number (Transfer from service label)

9589 0710 5270 0730 1897 82

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *[Signature]* Agent
 Addressee

B. Received by (Printed Name)

C. Date of Delivery
10/14/20

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

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Mail Restricted Delivery (00)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

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:

QUALIFIED EXCHANGE TITLEHOLDER
 C/O HERBERT LAW FIRM LLC
 PO BOX 388
 GULF SHORES, AL 36547



9590 9402 8236 3030 6437 94

2. Article Number (Transfer from service label)

9589 8748 5270 3403 3432 70

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Herbert

- Agent
- Addressee

B. Received by (Printed Name)

Su Herbert

C. Date of Delivery

10 2023

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

36542

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

CERTIFIED MAIL

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

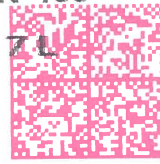


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FIRST-CLASS



US POSTAGE IMPITNEY BOWES



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OCT 04 2023

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LIBERATION CHURCH INC
ATTN: JACOB MCCLURE
1628 LASHLEY ST
LEITCHFIELD, KY 42754

NIXIE

402 EE 1

0210/12/23

RETURN TO SENDER
NOT DELIVERABLE AS ADDRESSED
UNABLE TO FORWARD

UTF

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42754-100028

ALERT: ON NOVEMBER 8, 2023, THE TRACKING APPLICATION WILL BE UNAVAILABLE FOR A ...

USPS Tracking®

[FAQs >](#)

Tracking Number:

[Remove X](#)

9589071052701403363249

[Copy](#)

[Add to Informed Delivery \(https://informedelivery.usps.com/\)](https://informedelivery.usps.com/)

Latest Update

This is a reminder to arrange for redelivery of your item or your item will be returned to sender.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivery Attempt

Reminder to Schedule Redelivery of your item

October 11, 2023

Notice Left (No Authorized Recipient Available)

HARDINBURG, KY 40143

October 6, 2023, 2:52 pm

[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



See Less 

Track Another Package

Enter tracking or barcode numbers

Need More Help?

Contact USPS Tracking support for further assistance.

FAQs



www.clarkquinnlaw.com

Russell L. Brown
Attorney at Law
rbrown@clarkquinnlaw.com

320 N. Meridian St., Ste. 1100
Indianapolis, IN 46204
(317) 637-1321 main
(317) 687-2344 fax

October 4, 2023

Via Certified Mail, Return Receipt Requested

Hon. Maurice D. Lucas
Breckinridge County Judge Executive
P. O Box 227
Hardinsburg, KY 40143

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2023-00311
Site Name: McDaniels

Dear Judge Lucas:

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 at 9879 KY-259, McDaniels, Kentucky 40152. (North Latitude: (37° 37' 9.08", West Longitude 86° 26' 17.30"). The proposed facility will include a 295-foot tall antenna tower, plus a 10-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 2023-00311 in any correspondence sent in connection with this matter.

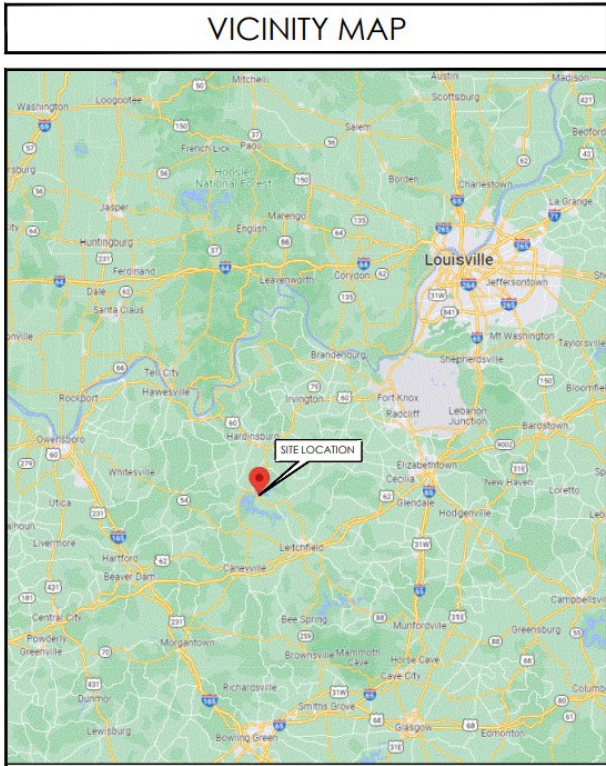
We have attached a map showing the site location for the proposed tower. Verizon Wireless' radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us with any comments or questions you may have.

Sincerely,
Russell L. Brown

A handwritten signature in black ink, appearing to read 'R. Brown', written over the typed name.

Attorney for Applicant

Site Location Map



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



9589 0710 5270 1403 3632 94

FIRST-CLASS



US POSTAGESM PITNEY BOWES




ZIP 46204
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0006035028

\$ 008.53⁰

OCT 04 2023

Hon. Maurice D. Lucas
Breckinridge County Judge Executive
P. O Box 227
Hardinsburg, KY 40143

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 type="checkbox"/> Agent <input checked="" type="checkbox"/> <i>[Signature]</i> <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</p>
<p>1. Article Addressed to:</p> <p>Hon. Maurice D. Lucas Breckinridge County Judge Executive P. O. Box 227 Hardinsburg, KY 40143</p>  <p>9590 9402 8236 3030 6438 24</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 1403 3632 94</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"/> Registered Mail <input type="checkbox"/> Registered Mail Restricted Delivery <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>	

SITE NAME: MCDANIELS 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.

TowerCo and Cellco Partnership, d/b/a Verizon Wireless proposes to construct a telecommunications **tower** on this site. If you have questions, please contact Clark, Quinn, Moses, Scott & Grahn, LLP, 320 N. Meridian Street, Indianapolis, IN 46204; 317-637-1321, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2023-00311 in your correspondence.

TowerCo and Cellco Partnership, d/b/a Verizon Wireless proposes to construct a telecommunications **tower** on this site. If you have questions, please contact Clark, Quinn, Moses, Scott & Grahn, LLP, 320 N. Meridian Street, Indianapolis, IN 46204; 317-637-1321, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2023-00311 in your correspondence.



Robert B. Scott
Charles R. Grahn
Frank D. Otte*
John "Bart" Herriman
William W. Gooden**
Michael P. Maxwell
Russell L. Brown**†
Jennifer F. Perry
Keith L. Beall
N. Davey Neal
Travis W. Cohron
Maggie L. Sadler
Kristin A. McIlwain
Olivia A. Hess

VIA EMAIL: classifiedsth@bbtel.com

The Herald News
P.O. Box 31
Hardinsburg, KY 40143

Land Use Consultant
Elizabeth Bentz Williams, AICP

*Also admitted in Montana
†Also admitted in Kentucky
**

Registered Civil Mediator

RE: Legal Notice Advertisement
Site Name: McDaniels

To Whom It May Concern,

Please publish the following legal notice advertisement in the next available edition of The Herald News Publication:

NOTICE

Cellco Partnership, d/b/a Verizon Wireless and TowerCo 2013, LLC are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 9879 KY-259, McDaniels, Kentucky 40152. (North Latitude: (37° 37' 9.08", West Longitude 86° 26' 17.30"). The proposed facility will include a 295-foot tall antenna tower, plus a 10-foot lightning arrestor and related ground facilities. You have a right to submit comments to the PSC or to request intervention in the PSC's proceedings on the application. You may contact the PSC at: Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2023-00311 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





August, 25th, 2023

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

Facility Site Name: CK McDaniels

Type of Tower: 300 ft. Self-Support

Location: 407 East Fentress Village Lane, McDaniels, KY 40152 Breckinridge 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 McDaniels.

The CK McDaniels site is proposed with the below objectives:

1. To improve cellular service in McDaniels.
2. To improve service along 259 both East and North of the site.
3. To offload existing traffic of existing Verizon sites in this area.

Currently the area is experiencing poor service along HWY 259 and in the city of McDaniels. There is a high demand for wireless high-speed data and phone service in this area. This tower is needed to provide all Verizon customers in the area with the best experience on their wireless devices.

Raw Land – Design plans for a new tower would provide overall tower height of 300' with a Verizon Wireless Centerline of 285'. The new structure height was decided upon to best cover the city of McDaniels, HWY 259 and to offload traffic from the nearby existing Verizon sites. If we are limited to building a structure less than the proposed height, another tower would be needed in the vicinity in the near future. In addition, building a structure that is too short can cause existing taller sites to cover over the proposed site and building a site that is too tall can cause the proposed site to shoot over existing sites. Both situations create a poor experience from a user perspective. The new structure is proposed to be placed near the center of the problem area. The new tower design solves the stated objectives.

Verizon Wireless cares about the communities as well as the environment and prefers to collocate on existing structures when available. Verizon Wireless is currently collocated on some existing structures in the area. We prefer collocation due to reduced construction costs, faster deployment, and environment protection. However, Verizon Wireless was unable to find a suitable structure within the center of demand area to collocate the proposed site.



Verizon Wireless design engineers establish search area criteria in order to effectively meet coverage objectives as well as offload existing Verizon cell sites. When met, the criterion also reduces the need for a new site to cover the area in the immediate future. Each cellular site covers a limited area, depending on site configuration and the surrounding terrain. Cell sites are built in an interconnected network; which means each cell site must be located so that their respective coverage areas are contiguous. This provides uninterrupted communications throughout the coverage area.

Since collocation is generally the most cost-effective means for prompt deployment of new facilities, Verizon Wireless makes every effort to investigate the feasibility for using existing towers or other tall structures for collocation when designing a new site or system expansion. However, collocation on an existing tower or tall structure is not always feasible due to location of existing cell sites. Cell sites are placed in a way so they provide smooth hand off to each other and are placed at some distance from each other to eliminate too much overlap. Too much overlap may result in a waste of resources and raise a system capacity overload concern. This cell site has been designed, and shall be constructed and operated in a manner that satisfies regulations and requirements of all applicable governmental agencies that have been charged with regulating tower specifications, operation, construction, and placement, including the FAA and FCC.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven Belcher", with a long, sweeping horizontal line extending to the right.

Steven Belcher
Sr RF Engineer
Verizon Wireless



August, 31th, 2022

RE: Zoning Plots

Site Name: CK McDaniels

To Whom It May Concern:

This map is not a guarantee of coverage and may contain areas with no service. This map reflects a depiction of predicted and approximate wireless coverage of the network and is intended to provide a relative comparison of coverage. The depictions of coverage do not guarantee service availability as there are many factors that can influence coverage and service availability. These factors vary from location to location and change over time. The coverage areas may include locations with limited or no coverage. Even within a coverage area shown, there are many factors, including but not limited to, usage volumes, outages, customer's equipment, terrain, proximity to buildings, foliage, and weather that may impact service.

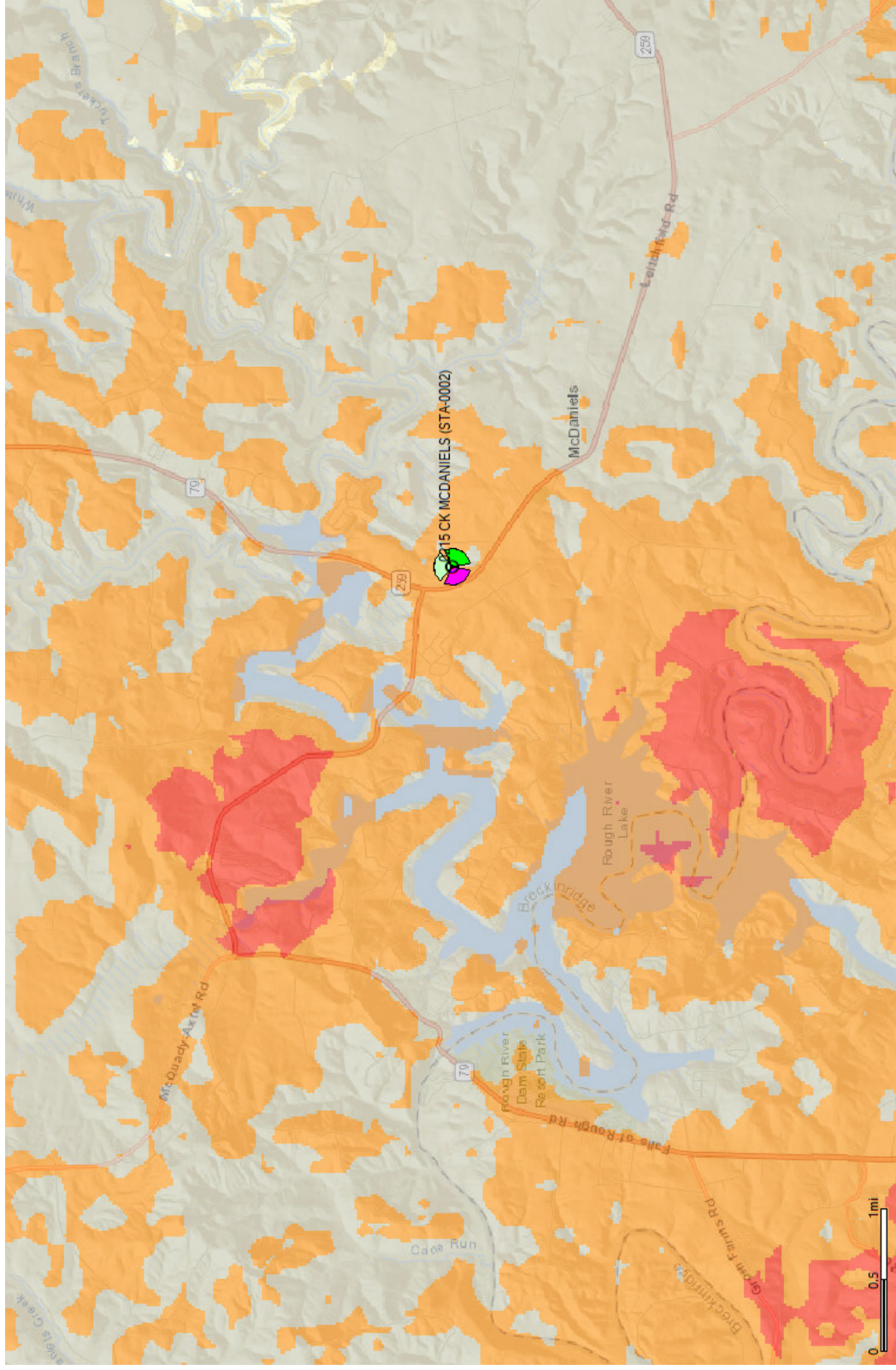
Sincerely,

A handwritten signature in black ink, appearing to read "Steve Boh".

Verizon Wireless



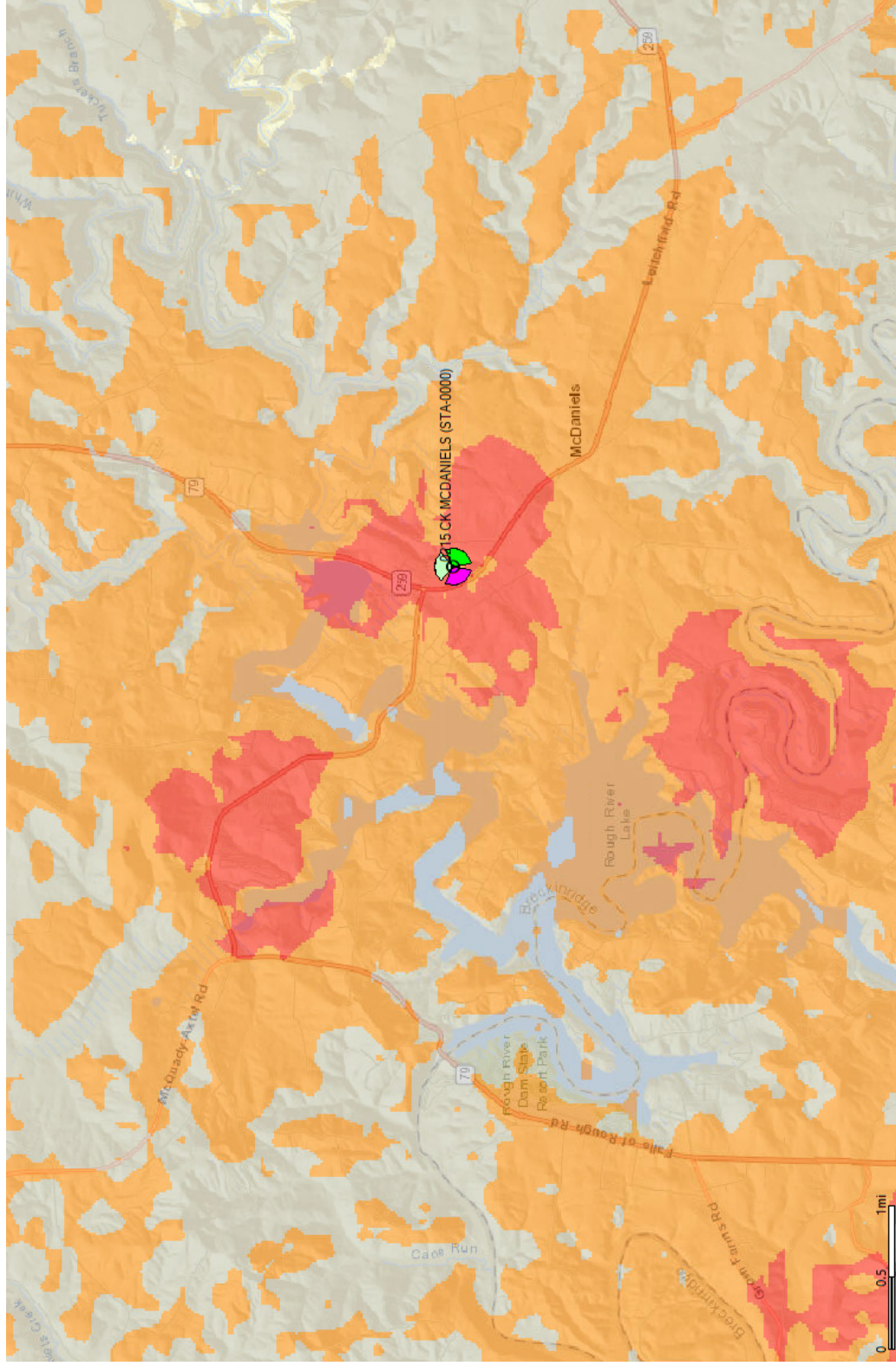
Current Coverage - Without proposed site CK McDaniels



	Good
	Better
	Best



Coverage - With proposed site CK McDaniels



Good
Better
Best

Exhibit S
List and Identity and Qualifications of Professionals

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

Frank L. Sellinger
Professional Land Surveyor
Kentucky License 3282
FSTAN
012 S 4th Street, Suite 101
Louisville, KY 40203

Robert E. Beacom
Professional Engineer
Kentucky License 28165
Sabre Industries
PO Box 658
Sioux City, IA 51102

Joseph V Borrelli
Professional Engineer
Kentucky License 30809
Delta Oaks Group Project
4904 Professional Court, Second Floor
Raleigh, NC 27609

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

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

